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CONTENTS.

	Page.
DECISIONS OF THE COMMISSIONER OF PATENTS, April 7, 14, 21, 28	3, 261, 525, 805
TRADE-MARKS PUBLISHED AND REGISTERED, April 7, 14, 21, 28	9, 267, 531, 811
LABELS AND PRINTS REGISTERED, April 7, 14, 21, 28	57, 319, 864
REISSUES, April 7, 14, 21, 28	59, 323, 583, 865
DESIGNS, April 7, 14, 21, 28	60, 323, 585, 866
PATENTS, April 7, 14, 21, 28	68, 336, 595, 879

ANNOUNCEMENTS.

		Page.
ADVERSE DECISIONS IN INTERFERENCE	Baille-Barrelle, 1,458,964	1
	Behrman, 1,515,007	530
	Del Turco, 1,401,500	530
	Elling, 1,377,765	259
	Fothergill, 1,416,632	1
	Hechenbleikner and Oliver, 1,423,766 and 1,423,767	259
	Humphrey, Designs 60,243, 60,245, 60,246	1
	Kauffman, 1,481,209	259
	Ogden, 1,509,214	259
	Shibe, 1,517,022	259
	Stancliffe, 1,457,406	530
	Stevens, 1,308,964	259
	St. John, 1,462,306	1
	Travers, 1,333,949	259
	Yanochowski, 1,405,175	259
APPLICATIONS—Condition of pending		2, 260, 524, 804
CLASSIFICATION OF INVENTIONS—Changes in—*Order No. 2,902*		530
DISCLAIMERS—Behrman, Abraham S		259
	Robinson, Stanley D	530
INTERFERENCE—Definition of—Rule 73		803
INTERFERENCE NOTICES—American Radio Sales and Service Company		523, 810
	Brighton Chemical Co., The	810
	Clague, Stanley	523, 810
	Flottman, John M	1, 259, 523
	Miller, Mark, and Charles D. Miller	523, 810
	Zweekly, Arnold (two cases)	810
PATENT SUITS—List of		7, 265, 529, 809
PATENTS—List of adjudicated		1, 259, 530, 803
	Printed copies—Price of	803
RESERVATION CLAUSES NOT PERMITTED—Rule 44		1
TRADE-MARK RULES—Amendment to—*Order 2,903*		259
TRADE-MARKS—Canceled		530
	Notice of cancellations	1, 523, 803

TABLE OF CASES REPORTED.

	Page.
[d] Ball & Roller Bearing Co. *v.* F. C. Sanford Mfg. Co.	526
*Bernet, Craft & Kauffman Milling Co. *v.* Pussy Willow Company, Inc.	525
*Bogda *v.* Olson	5
Buehler. Ex parte	261
*Dolly Varden Chocolate Company, The. In re	525
*Hoover *v.* Kirby et al	7
*Hoover *v.* Replogle	6
*Lilienfeld. In re	805
Oswald. Ex parte	8
[d] Pyrene Mfg. Co. *v.* Boyce et al	262
Ritsler *v.* Francis H. Leggett & Co.	261
[d] Ward Baking Co. *v.* Potter-Wrightington, Inc.	806

[Decisions of the Court of Appeals of the District of Columbia are indicated by one star (*); of the United States Circuit Court of Appeals by the letter (d).]

ERRATA.

1,533,202, page 361, in heading, assignment, name of assignee, for "Sandusky Foundry & Machine Co." read *The Paper & Textile Machinery Company.*

1,533,618, page 444, strike out present claim 2 and insert the following as claim 2:

2. In an apparatus of the class described, a pair of chambers, a tubular passage connecting said chambers and attached thereto by screw threaded joints, a pair of nasal tubes having a screw threaded connection with one of said chambers, and a second pair of tubes having a screw threaded connection with the other of said chambers, with one of said second pair of tubes leading to a compressible reservoir, and the other of said second pair of tubes leading to an apparatus for forcing air through said chambers.

Patents Nos. 1,582,113 to 1,583,080.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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CONTENTS.

Issue of April 7, 1925	1
Notice of Cancellation	1
Interference Notice	1
Adjudicated Patent	1
Adverse Decisions in Interference	1
Reservation Clauses Not Permitted	1
Applications Under Examination	2
Commissioner's Decisions—	
Ex parte Oswald	3
Decisions of the U. S. Courts—	
Bodga v. Olson	5
Hoover v. Replogle	6
Hoover v. Kirby et al	7
Patent Suits	7
Trade-Marks Published (304 Applications)	9
Trade-Mark Registrations Granted	40
Trade-Mark Registrations Renewed	55
Labels	57
Prints	58
Reissues	59
Designs	60
Patents Granted	60

Issue of April 7, 1925.

Trade-Marks	150—No.	196,974	to No.	197,132, inclusive.
T. M. Renewals	61			
Labels	37—No.	28,503	to No.	28,539, inclusive.
Prints	16—No.	7,889	to No.	7,904, inclusive.
Reissues	4—No.	16,038	to No.	16,041, inclusive.
Designs	40—No.	66,963	to No.	67,002, inclusive.
Patents	968—No.	1,582,113	to No.	1,583,080, inclusive.
Total	1285			

Notice of Cancellation.

U. S. Patent Office, *Washington, Mar. 11, 1925.*

The Arrow Brand Hemstitching & Tucking Co. Inc., its assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Cluett, Peabody & Co. Inc., of Troy, N. Y., to effect the cancellation of the trade-mark registration of The Arrow Brand Hemstitching & Tucking Co. Inc., of 1211 Broadway, New York, N. Y., No. 134,579, dated September 14, 1920, and the notice of such proceeding sent by registered mail to The Arrow Brand Hemstitching & Tucking Co. Inc. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Arrow Brand Hemstitching & Tucking Co. Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Interference Notice.

U. S. Patent Office, *Washington, Mar. 12, 1925.*

John M. Flottman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by John M. Flottman, 160 Eddy Street, San Francisco, Calif., and applications for patents filed by Frank H. Burns, 57 Elm Street, Hoosick Falls, N. Y.; Joseph H. Cole, Penacook, Merrimack County, N. H.; Ralph A. Krause, 4936 North 12th Street, Philadelphia, Pa.; Thomas Rhodus, 835 Junior Terrace, Chicago, Ill.; Joseph A. Rostron, 18 Palmer Street, Cambridge, Mass., and William Charles Ude, 259 Thomas Street, West Haven, Conn., and a notice of such declaration sent by registered mail to said John M. Flottman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Flottman, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENT.

(C. C. A. Ill.) The Steinau patent, No. 1,436,365, for unitary window sign, *Held* invalid. *Steinau Co. v. Common Sense Novelty Co.*, 3 F. (2d) 144.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Design Pat. 60,243, H. R. Humphrey, Gas heater, decided February 13, 1925, single claim.

Design Pat. 60,245, H. R. Humphrey, Gas heater, decided February 13, 1925, single claim.

Design Pat. 60,246, H. R. Humphrey, Gas heater, decided February 13, 1925, single claim.

Pat. 1,416,632, H. Fothergill, Apparatus for removing gases from liquids, decided January 27, 1925, claim 10.

Pat. 1,458,064, A. H. Baille-Barrelle, Process of manufacture of coke for metallurgical uses, decided February 17, 1925, claim 1.

Pat. 1,462,306, A. D. St. John, Plasticiser for cellulose plastics, decided March 17, 1925, claims 1, 2, 3, and 4.

Reservation Clauses Not Permitted.

Rule 44. A reservation for a future application of subject-matter disclosed but not claimed in a pending application will not be permitted in the pending application.

Condition of Applications Under Examination at Close of Business March 27, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 48,301; Trade-Mark Division, 2,152. Oldest new case, Sept. 24, 1924; oldest amended, Oct. 1, 1924. The dates given are 1924 except where † indicates 1925.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Nov. 10	Nov. 24	740
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Dec. 18	Dec. 4	503
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Jan. 20	†Jan. 18	177
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Nov. 15	Nov. 22	628
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Nov. 6	Oct. 16	909
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Nov. 6	Oct. 25	1,031
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Nov. 19	Nov. 20	1,194
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Nov. 15	Nov. 17	1,537
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Nov. 24	Dec. 23	591
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Nov. 17	Nov. 22	1,045
149*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Dec. 13	Dec. 24	727
280	12. PIERCE, P. P., Machine Elements	Nov. 28	Nov. 29	848
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Oct. 18	Nov. 22	1,209
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov. 6	†Jan. 2	356
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Nov. 17	Nov. 18	1,121
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Oct. 1	Oct. 1	1,154
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Nov. 21	†Feb. 3	433
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 1	Oct. 1	909
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 18	†Jan. 2	597
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Nov. 4	Nov. 14	929
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Oct. 29	Dec. 12	446
108	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Nov. 28	Dec. 16	577
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Oct. 29	Oct. 11	490
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 2	Dec. 11	648
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Jan. 13	†Jan. 5	647
228*	26. HODGES, J. S., Electricity, Generation; Motive Power, Prime-Mover Dynamo Plants	Oct. 4	Oct. 3	773
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 1	Dec. 15	792
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 1	Dec. 1	799
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 8	Oct. 7	1,106
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Oct. 31	†Jan. 10	906
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Dec. 24	Dec. 26	955
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Nov. 14	Nov. 13	775
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Jan. 7	†Jan. 2	808
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 1	Dec. 5	643
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Nov. 24	†Jan. 5	631
105	36. MORTON, C. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Nov. 8	Nov. 17	1,349
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 4	Oct. 1	1,257
145	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 4	Oct. 2	978
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Nov. 29	Dec. 6	510
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 3	Nov. 1	1,621
123	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Nov. 22	Dec. 13	540
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Oct. 3	Oct. 9	1,216
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Oct. 4	Nov. 6	936
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Oct. 7	Oct. 10	831
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Nov. 5	Nov. 10	732
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 13	Oct. 15	827
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Nov. 1	Oct. 31	1,459
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Sept. 29	Oct. 1	1,652
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 6	Dec. 1	789
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Oct. 1	Oct. 1	1,437
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Oct. 20	Oct. 16	2,211
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Dec. 23	†Jan. 10	584
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Sept. 24	Oct. 8	1,191
102	Designs: C. O. MARKHAM (Acting)	†Mar. 2	†Mar. 11	372
163	Trade-Mark Examiners: T. L. MEAD, Jr. (Trade-Marks)	†Feb. 26	†Mar. 12	1,970
	(Labels and Prints)	†Mar. 2	†Mar. 17	182

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE OSWALD.

Decided July 11, 1924.

1. CLAIMS—MULTIPLICITY OF—REJECTION.

Where the Examiner expressed his opinion that the claims were so many and so insufficiently differentiated that, taken as a whole, they obscured and concealed the invention, *Held* that if he was of the opinion that the case was such as to fall within the ruling in *Ex parte Duncan*, 276 O. G. 207, he was right in rejecting the claims on that ground.

2. SAME—SAME—DUTY OF APPLICANT TO POINT OUT PATENTABLE DIFFERENCES.

It is incumbent upon the applicant to point out in every instance, or at least in typical instances, why the claims are patentably different from each other and why the application is of such a character that the invention is not obscured by an undue number of claims.

3. SAME—SAME—DUTY OF EXAMINER.

It is not the duty of the Examiner to go through a long list of claims and specifically point out wherein each claim is not patentably distinct from some other claim. He has done his work properly when he has picked out certain typical claims and indicated wherein, in his opinion, they are not patentably different from each other.

ON PETITION.

Mr. Burnham C. Stickney for the applicant.

ROBERTSON, *Commissioner:*

Applicant petitions that the Examiner be required (1) to suspend or withdraw the final rejection; (2) to disclose which individual claims the Examiner regards to be met by the prior art and apply the references thereto; (3) to disclose which individual claims the Examiner regards as undistinguished from other claims and point out wherein he finds similarity between claims, no two of which read the same.

The application as filed contained 135 claims. The Examiner in his first action criticized the specification as "verbose to an unwarranted degree"; pointed out that Sheets 3, 4, and 5 of the drawings fail to comply with the rule requiring that the views, if possible, should stand so that they can be read with the sheet held in an upright position; held that many of the claims did not patentably distinguish from each other, but differed only by the inclusion of elements which did not render them patentable one from the other; rejected the claims under the ruling announced in *Ex parte Duncan*, 276 O. G. 207; 1920 C. D. 30, pointing out specific instances to illustrate what he meant; and stated that if applicant insisted upon retaining more than 15 or 20 claims in the case he should specifically point out how he considered each claim to patentably distinguish from all the other claims. He also required division between two groups of claims and cited one patent as a result of a cursory search.

At the end of the year from that action two amendments were presented, making certain changes in the specification, and stating that the figures on Sheets 3, 4, and 5 were arranged in the manner objected to because it was necessary to arrange Figures 1 and 2 in that way, and therefore it was thought desirable to arrange all in the same way, and pointing out at great length the differences between certain claims, but nowhere pointing out why these differences made the claims patentably different or relieved the case from the objection that the applicant, by reason of the large number of claims, had failed to comply with the statute in definitely pointing out his invention.

In his next action the Examiner repeated his requirement that the specification be revised with a view to eliminating all unnecessary matter, repeated his requirement as to the drawings, pointed out generally why the long recitation of differences appearing in the claims merely convinced the Examiner that the differences were so slight and immaterial as to be unpatentable and substantiated his position, and referred to certain claims, which he held to be identical in substance, as typical of the objections previously made and cited three patents as further showing the state of the art.

Nearly a year thereafter an amendment was filed adding to the specification, canceling five claims, contesting the Examiner's position that he must reduce the claims to a specific number, alleging that the case stood without any duplicate claims, and requesting the Examiner to specifically point out individually which claims he considered unpatentable over the prior art, and why. In response to that action the Examiner held that the amendment was not completely responsive and stated that, in order that there might be no further misunderstanding, it was specifically pointed out that no action whatsoever had been made as to the novelty. He further stated that the sole point in issue was whether the large number of claims in the case are so many and so insufficiently differentiated that, taken as a whole, they obscured and concealed the invention, and that it was his opinion they did.

The rule as to drawings sustains the Examiner's holding. The figures in this case by being slightly reduced in size could have been placed on the sheet, as required by the rule. However, since this rule has not been rigidly enforced and since it would be quite an expense for applicant to make over all the drawings, and it would also incumber the records of this Office, the requirement as to the drawings is waived.

One of the crying evils of the present method of prosecuting applications is the presenting of an inordinate large number of claims. It not only obscures the invention, as fully pointed out in *Ex parte Duncan*, supra, but it adds very greatly to the work of the Office.

The courts have repeatedly held that the unnecessary inclusion of claims, and the presenting of claims differing but slightly in their phraseology and not at all in a patentable sense obscures the invention and adds greatly to the work, both of the Patent Office and the courts.

In the case of *Carlton* v. *Bokee*, 17 Wallace, 463, the Court held that a patent would be declared void where a needless multiplication of nebulous claims is calculated to deceive and mislead the public, and in the recent decision of the *Burroughs Adding Machine Co.* v. *Rockford Milling Machine Company*, 292 Fed. Rep. 550, where the patent in suit was issued more than 14 years after it was filed with 421 claims, the court referred to the situation as "appalling." In this connection see also the following decisions: *Computing Scale Company of America* v. *The Automatic Scale Co.*, 119 O. G. 1586; 1905 C. D. 704; 26 App. D. C. 238; *In re Thomson*, 120 O. G. 2756; 1906 C. D. 566; 26 App. D. C. 419; *Bellows* v. *United Electrical Mfg. Co. et al.*, 160 Fed. Rep. 663; *In re Perlman*, 186 O. G. 560; 1913 C. D. 299; 39 App. D. C. 447; and *In re Prescott and Rummler*, 278 Fed. Rep. 590; 301 O. G. 389; 1922 C. D. 119; 51 App. D. C. 389.

In the latter case the court, while holding that the Patent Office was in error in refusing the applicant a patent, held that 1 claim out of 17 would completely cover the applicant's contribution to the art and that there was no reason "for allowing a large number of claims, and thus inviting controversy and litigation."

[1, 2] If the Examiner was of the opinion that the case was such as to fall within the ruling in *Ex parte Duncan*, which decision was affirmed by the court of appeals (276 O. G. 211; 1920 C. D. 197), he was clearly right in rejecting the claims on that ground. The amendment presented, which merely listed differences between the claims, was not a proper response. It was incumbent upon the applicant to point out in every instance, or at the very least in typical instances, why the claims were patentably different from each other and why the application was of such character as that the invention was not obscured by an undue number of claims.

Obviously, the Examiner did not intend to say that the applicant should limit his claims to exactly 20 and that if he amended it and presented 21 claims the case would be abandoned, even though his language, if literally taken, might be susceptible of that construction. What he meant was that 20 seemed to him as a reasonable number and that it was incumbent upon the applicant to show why a greater number of claims was necessary.

If the applicant had undertaken to show why the claims were not unduly multiplied by pointing out wherein the included limitations in certain claims made them patentably different over other claims, the Examiner would have been enabled to apply the art to at least certain typical claims.

[3] As fully pointed out in *Ex parte Duncan*, supra, it was not the duty of the Examiner to go through this long list of claims and specifically point out wherein each claim was not patentably distinct from some other claim. He had done his work properly when he had picked out certain typical claims and indicated wherein, in his opinion, they were not patentably different from each other. The applicant had not made a complete response by canceling one of each of all these groups but one and arguing that as to it the requirement was not properly made. The Examiner's request was not limited to these groups, which were merely referred to as typical of the whole case. The applicant should not only have canceled the admittedly superfluous claims, but have pointed out carefully and fully why, in his opinion, the rest of the claims were not superfluous.

It is true that if an appeal is taken from the Examiner's action in the present case and the Examiner should at any time be reversed it would then be necessary to apply the art.

It may be noted that the last of the claims originally presented was wholly ambiguous, indefinite, and meaningless, reading:

> The herein-described motor substantially as illustrated and described in the accompanying drawings.

Taking literally, this is the narrowest claim that could be drawn, meaning only that which is shown; but if consideration is given to the word "substantially" its range of equivalents is determinable only by a consideration of the prior art.

It is now the practice of this Office to require applicants who file a multiplicity of claims to comply with *Ex parte Duncan*, supra. One reason why the Patent Office has been so far in arrears is that so many cases are filed with a multiplicity of claims, making it impossible for this Office to keep up with its work. In this connection applicant's attention is called to the fact that Members of Congress have discussed on the floor of the House the large number of claims filed in patent applications, as may be seen from an examination of page 1259 of the Congressional Record of January 11, 1922, where Congressman Snyder, of New York, said:

> * * * if a different system were employed in the Patent Office and different rules and regulations were put in operation, so that the applicant for a patent be limited to a reasonable number of claims covering a certain application for a patent, much of the work and much of the time that is wasted down there today would be saved and the work very much expedited.

Also on page 1264 of the same Record, Floor Leader Mondell stated that if the practice of greatly multiplying claims is allowed to increase—

> you may equip the Patent Office with double the present personnel and the business will still be delayed and congested.

It is the opinion of the Commissioner that applicant can and should greatly assist this Office by withdrawing his appeal to the Examiners in Chief and complying with the Examiner's requirement.

The petition is denied, except as to the drawings.

Court of Appeals of the District of Columbia.

BOGDA v. OLSON.

No. 1581. Decided January 5, 1925.

1. INTERFERENCE—PRIORITY.
   Decision awarding priority to O. affirmed.
   Decision of First Assistant Commissioner Kinnan.
2. SAME—SAME—APPLICANT AGAINST PATENTEE—EFFECT OF DECISION BY COURT IN SUIT BROUGHT ON PATENT.
   Where after the issuance of B.'s patent suit was brought thereon and one of the defenses set up was that O. and not B. was the first inventor, *Held* that while the question between the parties herein is not res adjudicata, because the parties to the suit were not the same as the parties to the interference, the decision of the court is entitled to great weight where the witnesses were examined in open court and B. had every opportunity to put in evidence any testimony he might have had to show that he made the invention prior to the dates when it was shown O. made the invention.
3. SAME—SAME—EVIDENCE—HEARSAY.
   An attorney can not establish a fact by stating what some one told him and then asking another witness whether this is correct.
4. ABANDONMENT OF BROAD INVENTION—ABANDONED EXPERIMENT—ADOPTION BY INVENTOR OF IMPROVED FORM.
   Where O. did not follow up the first form of the device which he made, but substituted therefor what he deemed a more acceptable form, it does not follow that the first form was an abandoned experiment or that he abandoned the broad invention.
5. EQUITABLE ESTOPPEL—LACHES—COPYING CLAIMS FROM A PATENT.
   Where O. copied the claims of B.'s patent within two years from the date of its issuance and within that time suit had been brought on the B. patent in which the defense was set up that O. was the first inventor, and B. was put on notice that O. had filed an application, *Held* that O. did not lose his rights by failing to promptly copy the claims after the patent was called to his attention.

APPEAL from Patent Office. Affirmed.

Mr. A. L. Morsell for Bogda.

Mr. L. C. Wheeler, Mr. A. V. Cushman, and *Mr. J. J. Darby* for Olson.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

PER CURIAM:

Appeal from concurrent decisions of the Patent Office tribunals in an interference proceeding involving an invention covering drinking fountains for stock.

The opinion of the Examiner of Interferences contains a full and very careful discussion of every phase of the evidence. The Examiners in Chief likewise have thoroughly and satisfactorily considered this evidence, as has the Assistant Commissioner. We have examined the record, in the light of the briefs, oral arguments and decisions of the Patent Office, and, being convinced of the correctness of the conclusion reached and that further discussion is unnecessary, affirm the decision appealed from.

The decision of First Assistant Commissioner Kinnan, rendered in this case October 19, 1923, is as follows:

This is an appeal by Bogda from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority to Olson.

The invention relates to stock-watering bowls and is set out in three counts, of which counts 1 and 2 are illustrative:

> 1. In a stock watering bowl, the combination of a supply pipe having a valve-controlled discharge portion, a bowl, the valve-controlled discharge portion of the supply pipe extending into the bowl close to the wall of said bowl, means within the bowl constructed, when operated, to open the valve mechanism, a freely engageable and disengageable holding means between the supply pipe and the bowl, said means releasably holding and supporting the bowl in a normal horizontal position, the engagement of the holding means being with that portion of the bowl which is close to the valve-controlled discharge portion of the supply pipe, said holding means permitting of the free movement of the bowl toward and to its normal horizontally supported position, but being free to be disengaged so as to permit of the complete bodily withdrawal of the bowl, and cooperating means between the bowl and the supply pipe for preventing lateral movement of the bowl while engaged by the holding means.
>
> 2. The combination, with a supply pipe, a valve in said pipe, and a presser plate for operating said valve, of a removable bowl having a part engaging the pipe, disengageable interlocking connection between the bowl and pipe to prevent lateral movement of the bowl, and a latch carried by the pipe for engaging the bowl to sustain its weight.

The party Bogda is a patentee, but derives no advantage therefrom, because the application on which his patent issued was copending with that of the application of Olson, they having been filed but a few days apart.

[2] After the issuance of the Bogda patent suit was brought thereon [*Bogda* v. *Automatic Carrier Company*, decided April 21, 1921], and one of the defenses set up was that Olson and not Bogda was the first inventor. While the question of priority between the parties herein is not res adjudicata, because the parties to the suit were not the same as the parties to the interference, the decision of the court is entitled to great weight, as the witnesses were examined in open court, and, of course, Bogda had every opportunity to put in evidence any testimony he might have had to show that he made the invention prior to the dates when it was shown Olson made the invention.

In his decision Judge Geiger, of the eastern district of Wisconsin, said:

> Upon a consideration of the testimony bearing upon the single issue of Olson's prior inventorship, the testimony in this case impresses me as compelling the conclusion that Olson conceived and perfected his invention by a complete reduction to practice, not only prior to his own filing date, but also prior to the date of Bogda's application, and prior to the latter's perfection of the invention by reduction to practice. And I feel that the evidence, referring to degrees of its cogency or probative force, not only preponderates, but is so clear and satisfactory as to exclude doubt.

Then, after discussing certain testimony relating to the work done by Olson in the latter part of the year 1916, he said:

> * * * The plaintiff, in order to meet this situation, relies upon testimony which, in a way, presents not only alternatives, but repugnancies in his position. One part of his testimony would support the claim that he conceived the invention, installed a structure or structures in the Heling farm barns, prior to the time when Olson had done any work at all. That is to say, he claims that he first conceived the idea in the spring of 1916, and reduced it to practice in the early fall. The other aspect of his proof suggests that at whatever time he conceived the invention, it was not

reduced to practice by the making of a model or a structure until at or after filing his application for a patent.

* * * * * * *

* * * The infirmities upon either of the aspects of the plaintiff's case respecting his alleged earlier or later reduction to practice, grow out of the want of certainty in his own testimony, and also of true or substantial corroboration. It may be conceded that the plaintiff installed structures in the Heling barns, but upon the important matter of fixing the date of their manufacture and installation, his proofs failed utterly. Witnesses called to establish the facts of installation, declined to even attempt to fix a date with precision; not a particle of corroborating evidence respecting the place, the time of manufacture, or the name, of a manufacturer of the whole or any part was offered; and when there was brought into the case rather clear proof of the making of a structure for the plaintiff by a founder at Beaver Dam, *after plaintiff had filed his application for patent*, it seemed entirely clear that this was the first structure ever perfected by the plaintiff.

And finally he said:

In this state of the proofs I have not the slightest hesitation in accepting the story of Olson and rejecting that of the plaintiff upon this question of actual prior inventorship through reduction to practice.

In view of this decision and of the detailed analysis of the testimony made by both the Examiner of Interferences and the Examiners in Chief it is not thought necessary to make another detailed analysis here of the testimony. It is sufficient to say that I find no error in the holdings of the lower tribunals of this Office as to the dates established by the respective parties.

It is to be noted that in his testimony in the interference Bogda claims to have made certain castings in July of 1916. This is based upon a record book of the Klipper Manufacturing Company, of Beaver Dam, Wis. In his testimony in the court case Bogda referred to this book and stated that, as the entry did not refer to stock-watering bowls, he could not say that such castings were made at that time; but in the interference he testified that they were, basing his testimony upon the testimony of one Scholz, who was employed by the Klipper Manufacturing Company in 1916.

As pointed out by the Examiners in Chief, not only does the entry itself make no reference to stock drinking bowls, but the weights of the castings stated in the entry show that they could not have been castings of the bowls. These weights correspond to castings for a horse-stall post ornament, which Bogda admitted were made about this time.

[3] Obviously the contention as to the entries in the books of the firm of Morsell, Keeney & French, predecessors of Bogda's present attorneys, is entitled to no weight. An attorney can not establish a fact by stating what some one told him and then asking another witness whether this is correct. If it was to be established that at the first of these dates appearing in the books of the attorneys indicating a visit to them by Bogda the invention was disclosed to Mr. French, the latter should have been called as a witness for Bogda. Certainly no unfavorable conclusion could be drawn from Olson's not calling him to rebut purely hearsay statements of the attorney.

Plainly it is not a sound proposition that evidence which would obviously be excluded as hearsay if the witness had testified that Mr. French told him something can become valid evidence by the attorney stating what Mr. French told him and asking the witness if that statement is correct.

Much stress is laid in the brief on the proposition that Olson abandoned the broad invention because he did not follow up the first form of the device which he made, but substituted therefor what he deemed a more acceptable form, the contention being that the first form was an abandoned experiment, that therefor Olson has lost his rights to the broad invention as stated in count 1.

The statute (sec. 4888 R. S.) requires that an applicant must furnish with his application a written description of the invention and in the case of a machine must explain the principle thereof "and the best mode" in which he has contemplated applying that principle.

[4] If the contention on behalf of Bogda is correct, then it would mean that any inventor could improve the original form of his invention only at his peril and that he must either file an application for patent disclosing the first crude form which he has devised or run the risk of being held to have lost his rights to the broad invention in view of the work of a later inventor. Obviously such a proposition is supported neither by principle nor by precedent and to state it is its own answer.

[5] It is further contended that Olson lost his rights by failing to promptly copy claims of the Bogda patent after that patent was called to his attention by the Primary Examiner. The claims were presented within less than two years from the date of the issuance of the Bogda patent. Within that time suit had been brought on the Bogda patent and that Olson was the first inventor was set up as a defense. In no way whatever was Bogda prejudiced by the fact that Olson did not *immediately* demand an interference when he knew that the Bogda patent had issued. Bogda had been put on notice that Olson was claiming to be the inventor and had filed an application for patent. Not only were the claims made within the two years' limit laid down in the decision of the Supreme Court in *Chapman and Chapman* v. *Wintroath*, 272 O. G. 913; 1920 C. D. 465; 252 U. S. 126, but Bogda had been put on notice long before that time by the defense set up in the suit brought on his patent.

As no error is found in the decisions of the lower tribunals that Olson was the first inventor of the invention set out in all three counts, the decision of the Examiners in Chief awarding priority to Olson is affirmed.

Court of Appeals of the District of Columbia.

HOOVER *v.* REPLOGLE.

No. 1,711. Decided February 2, 1925.

1. INTERFERENCE—ISSUE—RIGHT TO MAKE CLAIMS—READING LIMITATION INTO CLAIMS.

Where the claims in an interference are not limited to a "low-down" vacuum cleaner, but merely recite relative arrangement of parts which may be employed in any cleaner, H.'s contention that his device involves a low-down construction not present in R.'s device and that R. has no right to make the claims can not be sustained.

2. SAME—SAME—SAME.

The common axes of the fan and motor in R.'s structure being downwardly and rearwardly inclined when the cleaner is in its normal upright position, H.'s contention that they can not be said to be downwardly and rearwardly inclined, and that R. has no right to make the claims is erroneous.

APPEAL from Patent Office. Affirmed.

Mr. John S. Barker and *Mr. D. M. Carter* for Hoover.

Mr. D. B. Replogle, pro se.

Before MARTIN, Chief Justice, ROBB, Justice, and BARBER, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a decision of the Patent Office awarding priority of invention to the senior party Replogle.

It is the contention of appellant Hoover that Replogle has no right to make the claims, which read as follows:

1. A suction cleaner casing, in combination with a fan and motor, their common axes downwardly and rearwardly inclined.

2. A suction cleaner having a suction chamber, a fan chamber and a motor arranged in the order indicated from front to rear, the common axes of fan and motor downwardly and rearwardly inclined.

[1] Hoover's contention is that his device involves a low down construction, not present in Replogle's device, and that the common axes of the fan and motor in Replogle can not be said to be downwardly and rearwardly inclined. As pointed out by the Law Examiner, and by the Assistant Commissioner, these claims are not limited to a "low down" cleaner, but merely recite relative arrangement of parts which may be employed in any cleaner.

[2] As to the second contention, we agree with the Law Examiner and Assistant Commissioner that the common axes of the fan and motor in Replogle's structure are downwardly and rearwardly inclined when the cleaner is in its normal or upright position.

Since the opinion of the Assistant Commissioner contains a full and satisfactory discussion of the questions involved, we adopt it and affirm the decision.

Affirmed.

Court of Appeals of the District of Columbia.

HOOVER *v.* KIRBY ET AL.

No. 1,712. Decided February 2, 1925.

INTERFERENCE—ISSUE—RIGHT TO MAKE CLAIMS.

For reasons stated in *Hoover* v. *Replogle ante*, case No. 1,711, *Held* that K. and R. have a right to make the claims.

APPEAL from Patent Office. Affirmed.

Mr. John S. Barker and *Mr. D. M. Carter* for Hoover.

Mr. D. B. Replogle for Kirby et al.

Before MARTIN, Chief Justice, ROBB, Justice, and BARBER, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

This interference involves substantially the same question determined in the preceding interference No. 1,711, just decided, and was so considered by the Patent Office. For the reasons stated in the other decision, we affirm the decision here.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

874,986, C. A. Parsons, Vacuum-producing apparatus, suit filed Dec. 24, 1924, D. C., E. D. Pa., Doc. 3207, *Wheeler Condenser & Engineering Co.* v. *C. H. Wheeler Mfg. Co.*

880,713, J. R. Blair, Can-washing machine, suit filed Jan. 21, 1925, D. C., W. D. N. Y., Doc. 793–D, *H. D. Lathrop* v. *Rice & Adams Corp.*

920,698, Wagner & Malocsay, Banding machine; 1,261,832, F. X. Malocsay, Cigar-banding machine; 1,403,046, same, Cigar-packing device, appeal filed Jan. 29, 1925, C. C. A., (2d Cir.), Doc. 8634, *International Banding Machine Co.* v. *American Bander Machine Co., Inc., et al.*

1,018,502 (*a*), Just & Hanaman, Manufacture of incandescent electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp, Jan. 27, 1925, decree for plaintiff, patents held valid, permanent injunction granted, D. C., S. D. N. Y., Doc. E 31/125, *General Electric Co.* v. *Paramount Lamp Co. et al.*

1,018,502 (*b*), Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc., final consent decree sustaining patents, adjudging infringement, and granting injunction Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 30/366, *General Electric Co.* v. *B. Salzhauer* (*Benjamine Electrical Engineering Works*). Same, suit filed Jan. 24, 1925, D. C. Mass., Doc. E 2061, *General Electric Co.* v. *Salem Lamp Co. et al.*

1,018,502, (c), Just & Hanaman, Manufacture of incandescent electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.; 1,180,159, I. Langmuir, Incandescent electric lamp; 1,423,956, Mitchell & White, Tipless incandescent lamp and similar article, suit filed Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 31/125, *General Electric Co.* v. *Paramount Lamp Co. et al.*

1,046,615, T. F. Litaker, Drill (1,516,340, Holdaway & Challacombe, Rotary drilling bit, inserted by counter claim Jan. 20, 1925), suit filed Dec. 8, 1923, D. C., S. D. Calif., Doc. H–36–J, *Rotary Disc Bit Co.* v. *U. S. Tool Co.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Jan. 26, 1925, D. C., S. D. N. Y., Doc. E 31/96, *Westinghouse Electric & Mfg. Co. et al.* v. *Phenix Radio Corp.*

1,050,728. (See 1,050,441.)

1,070,511, F. W. Moore, Machine for forming designs in fibrous sheets or layers, suit filed Jan. 8, 1925, D. C., E. D. Pa., Doc. 3211, *S. Haigh* v. *J. & J. Dodson, Inc.*

1,081,225, Des. 47,035, H. L. Feasel, Mop, decree dismissing bill for want of equity Jan. 21, 1925, D. C., E. D. Wis., Doc. 1366 C D, *O-So-Ezy Products Co.* v. *The Gem Hammock & Fly Net Co.*

1,082,933. (See 1,018,502 (*b*) and (*c*).)

1,113,149. (See 1,050,441.)

1,168,945, J. L. G. Lehman, Foldable cuff, decree of District Court of Colorado affirmed Jan. 21, 1925 (bill dismissed on final hearing by lower court Sept. 22, 1922), C. C. A., 8th Cir. (St. Louis), Doc. 6507, *J. L. G. Lehman* v. *G. A. Ripley et al.*

1,180,159. (See 1,018,502 (*a*) and (*c*).)

1,181,370, A. C. Brown, Adjustable faucet attachment, suit filed Jan. 28, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1365, *A. C. Brown* v. *The Sterling Brass Co.*

1,211,915. (See 1,222,358.)

1,222,358, 1,211,915, 1,241,090, H. E. Campbell, Metal window frame and sash, final consent decree sustaining Patent 1,222,358 as to claims 1, 3, and 7 and Patent 1,241,090 as to claims 1, 2, 4, and 5, adjudging infringement upon said patents, and granting injunction (notice dated Jan. 31, 1925), D. C., S. D. N. Y., Doc. E 24/160, *Campbell Metal Window Corp.* v. *S. H. Pomeroy Co., Inc.*

1,241,090. (See 1,222,358.)

1,261,832. (See 920,698.)

1,278,213, J. H. Rand, Index, suit filed Jan. 26, 1925, D. C. Mass., Doc. E 2062, *Rand Co., Inc.*, v. *Postindex Co., Inc.*

1,292,351, L. G. Milkes, Outdoor garment for child, suit filed Jan. 28, 1925, D. C. Minn., Doc. 748, *Venus Mfg. Co.* v. *Montgomery Ward & Co.*

1,304,534, N. K. Bowman, Cable splice, Jan. 27, 1925, decree appealed from affirmed, patent held invalid, C. C. A., 4th Cir. (Richmond), Doc. 2286, *The American Mine Door Co.* v. *J. A. Newberry.*

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, suit filed Jan. 1, 1925, D. C., E. D. Pa., Doc. 3223, *The Bassick Mfg. Co.* v. R. S. Sayer, jr. Same, suit filed Jan. 15, 1925, D. C., E. D. Pa., Doc. 3225, *The Bassick Mfg. Co.* v. *Seltzer & Hurtwitz (Colonial Auto Supply Co.)*. Same, suit filed Jan. 22, 1925, D. C., S. D. Ohio, W. D. (Dayton), Doc. 137, *The Bassick Mfg. Co.* v. *F. A. Haline.* Same, suits filed Feb. 3, 1925, D. C., N. D. Ohio, (E. Div.), Doc. 1370, *The Bassick Mfg. Co.* v. *Way's Auto Accessories Co.* Same, Doc. 1371, *The Bassick Mfg. Co.* v. *W. H. Whittle (Whittle Tire Sales Co.)*. Same, Doc. 1372, *The Bassick Mfg. Co.* v. *Bigge Tire Supply Co.*

1,307,734. (See 1,307,733 and Re. 14,667.)

1,379,144. (See 1,379,184.)

1,379,184, L. A. Hazeltine, Shielding radio apparatus; 1,379,144, P. Ware, Cut-in system of radiotelegraphy, suit filed Jan. 26, 1925, Court of Claims, Doc. E 61, *Ware Radio, Inc.*, v. *The United States.*

1,403,046. (See 920,698.)

1,411,391, J. D. Tucker, Spoke tightener, appeal filed Jan. 22, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 6941, *Tucker Mfg. Co.* v. *Universal Mfg. Co.*

1,423,956. (See 1,018,502 (*c*).)

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling, final consent decree sustaining patent, adjudging infringement, and granting injunction (notice dated Jan. 31, 1925), D. C., S. D. N. Y., Doc. E 28/353, *Hazeltine Research Corp.* v. *R. O. V. A. Radio Products Corp.*

1,459,160, Nims & Nims, Water circulator for gas engine, decision in favor of plaintiff Jan. 19, 1925, D. C., E. D. Wis., Doc. 1418 C D, *Nims Pump Co.* v. *Cramer Mfg. Co.*

1,462,883, W. S. Cloud, Process and apparatus for making confection, suit filed Jan. 26, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1361, *J. D. Roszell Co.* v. *The Euclid Candy Co. et al.*

1,483,230, D. Marinsky, Fastener tape, suit filed Jan. 27, 1925, D. C., S. D. N. Y., Doc. E 31/98, *D. Marinsky et al* v. *L. M. Rabinowitz & Co., Inc.*

1,496,557, H. D. Sawkins, Apparatus for salting peanuts; 1,505,605, same, Method of salting peanuts, suit filed Dec. 22, 1924, D. C., E. D. Pa., Doc. 3205, *H. D. Sawkins (Mechanical Machine Works)* v. *A. Peris (Peris Mfg. Co.)*.

1,505,605. (See 1,496,557.)

1,516,340. (See 1,046,615.)

Des. 47,035. (See 1,081,225.)

Des. 52,117, O. C. Rixson, Door hinge, suit filed Jan. 22, 1925, D. C. Conn., Doc. 1777, *The O. C. Rixson Co.* v. *The Stanley Works.*

Des. 65,823, J. R. Newton, Textile fabric, suit filed Jan. 15, 1925, D. C., E. D. Pa., Doc. 3219, *Primrose Tapestry Co., Inc.*, v. *W. Rumpf, sr. (F. Rumpf & Sons)*.

Des. 65,824. (See Des. 66,141.)

Des. 66,051, M. White, Leather, suit filed Dec. 12, 1925, D. C., S. D. N. Y., Doc. E 30/384, *M. White* v. *Trosky & Fernberg (Manhattan Embossing & Leather Co.)*. Final consent decree sustaining patent, adjudging infringement, and granting injunction (notice dated Jan. 28, 1925).

Des. 66,141, J. R. Newton, Table scarf; Des. 65,824, same, Textile fabric, suit filed Jan. 15, 1925, D. C., E. D. Pa., Doc. 3321, *Primrose Tapestry Co., Inc.*, v. *F. A. Brunner, Inc.*

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, suit filed Jan. 29, 1925, D. C., W. D. Okla., Doc. E 699, *The Coca Cola Co.* v. *Standard Syrup & Bottling Co.*

T. M. 47,189. (See T. M. 22,406.)

Re. 14,667, F. D. Winkley, Lubricating system; 1,307,734, A. V. Gullborg, Lubricating means, suit filed Jan. 15, 1925, D. C., E. D. Pa., Doc. 3227, *The Bassick Mfg. Co.* v. *Gold & Marinoff (Gold-Mar Auto Supply)*.

Re. 14,667. (See 1,307,733.)

Re. 15,325, H. C. Hanson, Folding camp stove, appeal filed Dec. 22, 1924, C. C. A., 8th Cir. (St. Louis), Doc. 6905, *Albert Lea Foundry Co.* v. *American Gas Machine Co., Inc.*

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 7, 1925.

[VOL. 333. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 153,541. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLONIAL LAMP & FIXTURE WORKS, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Chicago, Ill., a Corporation of Illinois. Filed Sept. 30, 1921.



The representation of the fixture apart from the mark is disclaimed.

Particular description of goods.—Electric-Lighting Fixtures.

Claims use since June 1, 1921.

Ser. No. 164,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ATHLETIC TEA CO., St. Louis, Mo. Filed May 25, 1922.



Particular description of goods.—Tea, Coffee, Flavoring Extracts for Food Purposes, Spices, Cocoa, Chocolate, Packaged Breakfast Cereals, Macaroni, Spaghetti, Noodles, Pastry Sea Shells, Cornstarch, Jelly Powder, Frosting, Pie-Filling Compounds, Wheat and Rye Flour, Egg Substitute, Apple Butter, Canned Corned Beef, Pickles, Honey, Fruit Preserves, Flavoring Sirups for Food Purposes, Dried Fruits, Canned Fruits, Canned Fish, Canned Vegetables, and Relishes.

Claims use on tea since Jan. 1, 1906; on coffee since Jan. 1, 1905; on flavoring extracts and fruit coloring since Jan. 1, 1910; on spices since Jan. 1, 1908; on cocoa, chocolate, packaged cereals, macaroni, spaghetti, noodles, and sea shells since Jan. 1, 1910; on cornstarch, jelly powder, frosting, pie-filling compounds, flour, egg substitute, apple butter, canned meats, pickles, honey, preserves, and flavoring sirups since Jan. 1, 1915; on dried fruits since Jan. 1, 1919; on canned fruits, fish, and vegetables since Jan. 1, 1922; on relishes since Jan. 1, 1921.

Ser. No. 164,686. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAR MILLING COMPANY, Minneapolis, Minn. Filed May 29, 1922.



No claim is made to the phrase "The Guarantee of Quality" apart from the mark shown in the drawings.

Particular description of goods.—Wheat Flour.

Claims use since Mar. 9, 1922.

Ser. No. 165,770. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) MARGUERITE SULLIVAN, doing business as Domino House, Philadelphia, Pa., assignor to Eugene J. Reefer and said Marguerite Sullivan, copartners, trading as Domino House, Philadelphia, Pa. Filed June 20, 1922.

DOMINO HOUSE

Particular description of goods.—Soaps—Namely, Soaps in Cake, Powder, and Liquid Form.
Claims use since Feb. 1, 1922.

Ser. No. 170,588. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE MAGNAVOX COMPANY, Oakland, Calif. Filed Oct. 11, 1922.

CURVEX

Particular description of goods.—Electrical Sound Magnifying and Amplifying Devices Consisting of Loud Speakers and Horns Therefor.
Claims use since Aug. 18, 1922.

Ser. No. 170,667. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEON A. OLMSTED, doing business as United States Athletic Company, Chicago, Ill. Filed Oct. 12, 1922.

NUVALU

Particular description of goods.—Striking Bag, Racket Cover; Balls—Namely, Hand, Foot, Tennis, Base, Association, Basket, Indoor, Volley, Medicine, Indoor-Outdoor, Park, Push, and Pastime; Poker Chips, Basket-Ball Goal, Bladder Inflater, Dice Cup, Dice, Bladder; Game Gloves and Mitts—Namely, Baseball, Boxing, Baseman's, Catcher's, and Striking-Bag; Baseball Mask, Body Protector, Tennis Marking Tape, Tennis Net, Striking-Bag Platform, Spring Exerciser, Tennis Racket, Racket Press, Racket Strings, Ice and Roller Skates, Striking-Bag Swivel, Umpire Whistles, Bait Box, Trout Creel, Gut Leader, Landing Fish Net, Fishline Sinkers; Fisherman's Boxes—Namely, Tackle, Rod, and Bait; Bucktail Treble Hook, Casting Rig, Cork Float, Frog Harness, Minnow Dip Nets, Folding Landing Nets, Floating Live Nets, Preserved Minnows, Pork Rind, Minnow Seines, Artificial Fish Bait, Hooks, Lines, Rods, and Reels, Fish Stringers, Athletic Ankle Support, Athletic Kneecap Support, Athletic Wrist Support, and Minnow Traps.
Claims use since Sept. 15, 1922.

Ser. No. 171,463. (CLASS 39. CLOTHING.) LICHT BROTHERS & COMPANY, St. Louis, Mo. Filed Nov. 1, 1922.

RADIO

Particular description of goods.—Hosiery.
Claims use since June 29, 1922.

Ser. No. 174,204. (CLASS 32. FURNITURE AND UPHOLSTERY.) GEORGIA SHOW CASE CO., Montgomery, Ala. Filed Jan. 5, 1923.

THE GEORGIA SHOW CASE CO.
MAKERS

Applicant disclaims the right to the exclusive use of the phrase "Good Lines and Correct Build" and the word "Makers" and the geographical designation "Montgomery, Ala."
Particular description of goods.—Furniture and Fixtures for Banks, Stores, Offices, and Jewelry Establishments—Namely, Show Cases, Cigar Cases, Work Counters, Wrapping Counters, Display Wall Cabinets, Magazine Racks, Watch-Display Cases, Display Wall Cases, Jewelry-Display Cases, Display Cases, Drawer Cabinets, Cupboards, Lockers, Filing Cabinets, Flat-Top Portable Desks, Roll-Top Portable Desks.
Claims use since March, 1920.

Ser. No. 176,339. (CLASS 39. CLOTHING.) LOUIS W. GORDON CO. INC., New York, N. Y., assignor to N. B. Thayer & Co., Inc., East Rochester, N. H., a Corporation of Maine. Filed Feb. 20, 1923.

mode-O-pedic

Trade-mark consists of the word "Mode-O-Pedic."
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since Jan. 10, 1923.

Ser. No. 176,641. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEONARD O. NELSEN, South Colby, Wash. Filed Feb. 26, 1923.

LONOL

Particular description of goods.—Shoe Grease to be Applied on Boots and Shoes.
Claims use since Feb. 1, 1923.

Ser. No. 178,778. (CLASS 39. CLOTHING.) STEINBERGER BROS. LOBL CO. INC., New York, N. Y. Filed Apr. 7, 1923.

MONARCH

Particular description of goods.—Leather and Kid Gloves.
Claims use since 1885.

Ser. No. 178,779. (CLASS 39. CLOTHING.) STEINBERGER BROS. LOBL CO. INC., New York, N. Y. Filed Apr. 7, 1923.

MONARCH

Particular description of goods.—Leather and Kid Gloves.
Claims use since 1885.

Ser. No. 183,889. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PURIT MAATSCHAPPIJ, Amsterdam, Netherlands. Filed July 31, 1923.

PURIT

Particular description of goods.—Vegetable Decolorizing Carbon.
Claims use since Sept. 1, 1921.

Ser. No. 184,200. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Aug. 8, 1923.

PERMADYE

Particular description of goods.—Cotton Piece Goods.
Claims use since about June, 1923.

Ser. No. 184,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELEONORA VAN WILGEN LA FONTAINE, Brooklyn, N. Y. Filed Aug. 13, 1923.

ALMONOLA

Particular description of goods.—Almond Table Sirups.
Claims use since July 15, 1923.

Ser. No. 185,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich. Filed Aug. 30, 1923.

Kellogg's
ALBRAN

Particular description of goods.—Cereal Breakfast Food.
Claims use since June 7, 1923.

Ser. No. 187,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Nov. 1, 1923.

Pride of the West

Particular description of goods.—Fruit Marmalades, Fruit Butters, Fruit Preserves, Fruit Jellies, Cranberry Sauce, Sweet Pickled Peaches, Olives, Pickles, Onions, Prepared Mustard, Table Sirups, Canned Salmon, Rice, Wheat Flour, Tea, Coffee, and Nuts Shelled and in Their Natural State.
Claims use since about 1900.

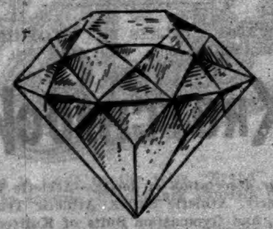
Ser. No. 188,372. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JONES BROTHERS, LIMITED, Manchester, England. Filed Nov. 15, 1923.

SELVYT

Particular description of goods.—Untreated Textile Polishing Cloths and Dusters.
Claims use since Dec. 3, 1891.

Ser. No. 189,140. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE PERCY GARDNER CORPORATION, Newark, N. J. Filed Dec. 1, 1923.

Gardner's



Particular description of goods.—Bias Tape.
Claims use since Nov. 22, 1923.

Ser. No. 190,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARINE PRODUCTS, INCORPORATED, New Orleans, La. Filed Dec. 29, 1923.

MARINE

Particular description of goods.—Canned Shrimp.
Claims use since Nov. 15, 1923.

Ser. No. 190,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Filed Jan. 4, 1924.

GRENCO

Particular description of goods.—Icing Preparations, Food-Flavoring Extracts, and Baking Mixtures for Cakes.
Claims use since about November, 1921.

Ser. No. 191,102. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TEXTILES DEVELOPMENT CORPORATION, New York, N. Y. Filed Jan. 21, 1924.

UNICORD

Particular description of goods.—Woven Cord Fabrics for Use in the Manufacture of Tires and Fabric Belting.
Claims use since Sept. 1, 1923.

Ser. No. 192,062. (CLASS 39. CLOTHING.) THOMAS E. BROWN, Philadelphia, Pa. Filed Feb. 9, 1924.

COLOR MARK OF DISTINCTION

Trade-mark consists of a red stripe and "Color Mark of Distinction."
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Jan. 4, 1922.

Ser. No. 192,068. (CLASS 39. CLOTHING.) JOHN W. DWYER, Philadelphia, Pa. Filed Feb. 9, 1924.

KROTCHJOCK

Particular description of goods.—Athletic Wearing Apparel—Namely, Athletic Shirts, Athletic Trunks, Swimming Suits, and Gymnasium Suits of Knitted or Textile Fabrics for Men and Boys.
Claims use since Jan. 8, 1924.

Ser. No. 192,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROBT. F. MACKENZIE CO., Cleveland, Ohio. Filed Feb. 16, 1924.

HILL TOPS

Particular description of goods.—Candy.
Claims use since Aug. 1, 1923.

Ser. No. 192,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. LOUIS COFFEE & SPICE MILLS, St. Louis, Mo. Filed Feb. 18, 1924.

HOLIDAY

Particular description of goods.—Coffee, Tea, Food-Flavoring Extracts, and Spices.
Claims use since June 1, 1915.

Ser. No. 192,598. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. H. BURRELL & CO., INC., Little Falls, N. Y. Filed Feb. 21, 1924.

BURRELL
SIMPLEX

Particular description of goods.—Churns, Combined Churns and Butterworkers, Milk Clarifiers, Cream Separators, Milk Pasteurizers, Tubular Holders, Milk Heaters, Milk Coolers, Milk Heaters and Coolers, Milk-Holding Tanks, Can Driers, Milk Pumps, Milk-Weighing Cans and Parts Thereof; Storage Vats, Receiving Vats, and Cream Vats for Milk Shippers, Dairies, Creameries, and Cheese Factories; Cream Ripeners, and Sanitary Pipe Fittings for the Above Apparatus.
Claims use since December, 1920.

Ser. No. 192,875. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

ARROWSMITH

Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since December, 1902.

Ser. No. 192,877. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"FOOT-RESTUR"

The lining of trade-mark drawing expresses shading.
Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since November, 1911.

Ser. No. 192,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"CUROPAD"

Particular description of goods.—Plasters and Pads for Treating Abnormal Growths and Conditions of the Feet.
Claims use since January, 1914.

Ser. No. 192,881. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"UNIVERSALE"

Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since July, 1917.

Ser. No. 192,883. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"FOOT-O-PRINT"

The lining of trade-mark drawing expresses the color red.
Particular description of goods.—Devices for Measuring the Feet, Hands, and Other Portions of the Body.
Claims use since November, 1913.

Ser. No. 193,036. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FEDERAL YARN CORPORATION, New York, N. Y. Filed Feb. 20, 1924.



Applicant disclaims the right to the exclusive use of the word "Yorktape" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Cotton Tape.
Claims use since Jan. 22, 1924.

Ser. No. 193,729. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

FRITZI RITZ

Particular description of goods.—Daily Comic Strip in Evening World Newspaper.
Claims use since Oct. 9, 1922.

Ser. No. 193,730. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

LITTLE NAPOLEON

Particular description of goods.—Daily Comic Strip in the Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 193,731. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

BANANA OIL

Particular description of goods.—Daily Comic Strip in the Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 193,732. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

RADIO THE MONK

Particular description of goods.—Daily Comic Strip in Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 194,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed Mar. 18, 1924.

KO-KO-FOAM

Particular description of goods.—Shampoo Preparation.
Claims use since Oct. 1, 1923.

Ser. No. 194,553. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 27, 1924.



No claim is made to the term "Brand" apart from the mark as shown. Trade-Mark consists of the word "Lafarge."
Particular description of goods.—Ribbons in the Piece.
Claims use since about Mar. 1, 1916.

Ser. No. 190,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARINE PRODUCTS, INCORPORATED, New Orleans, La. Filed Dec. 20, 1923.

MARINE

Particular description of goods.—Canned Shrimp.
Claims use since Nov. 15, 1923.

Ser. No. 190,407. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Filed Jan. 4, 1924.

GRENCO

Particular description of goods.—Icing Preparations, Food-Flavoring Extracts, and Baking Mixtures for Cakes.
Claims use since about November, 1921.

Ser. No. 191,102. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) TEXTILES DEVELOPMENT CORPORATION, New York, N. Y. Filed Jan. 21, 1924.

UNICORD

Particular description of goods.—Woven Cord Fabrics for Use in the Manufacture of Tires and Fabric Belting.
Claims use since Sept. 1, 1923.

Ser. No. 192,062. (CLASS 39. CLOTHING.) THOMAS E. BROWN, Philadelphia, Pa. Filed Feb. 9, 1924.

COLOR MARK OF DISTINCTION

Trade-mark consists of a red stripe and "Color Mark of Distinction."
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Jan. 4, 1922.

Ser. No. 192,068. (CLASS 39. CLOTHING.) JOHN W. DWYER, Philadelphia, Pa. Filed Feb. 9, 1924.

KROTCHJOCK

Particular description of goods.—Athletic Wearing Apparel—Namely, Athletic Shirts, Athletic Trunks, Swimming Suits, and Gymnasium Suits of Knitted or Textile Fabrics for Men and Boys.
Claims use since Jan. 8, 1924.

Ser. No. 192,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ROBT. F. MACKENZIE CO., Cleveland, Ohio. Filed Feb. 16, 1924.

HILL TOPS

Particular description of goods.—Candy.
Claims use since Aug. 1, 1923.

Ser. No. 192,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ST. LOUIS COFFEE & SPICE MILLS, St. Louis, Mo. Filed Feb. 18, 1924.

HOLIDAY

Particular description of goods.—Coffee, Tea, Food-Flavoring Extracts, and Spices.
Claims use since June 1, 1915.

Ser. No. 192,598. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. H. BURRELL & CO., INC., Little Falls, N. Y. Filed Feb. 21, 1924.

BURRELL
SIMPLEX

Particular description of goods.—Churns, Combined Churns and Butterworkers, Milk Clarifiers, Cream Separators, Milk Pasteurisers, Tubular Holders, Milk Heaters, Milk Coolers, Milk Heaters and Coolers, Milk-Holding Tanks, Can Driers, Milk Pumps, Milk-Weighing Cans and Parts Thereof; Storage Vats, Receiving Vats, and Cream Vats for Milk Shippers, Dairies, Creameries, and Cheese Factories; Cream Ripeners, and Sanitary Pipe Fittings for the Above Apparatus.
Claims use since December, 1920.

Ser. No. 192,875. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

ARROWSMITH

Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since December, 1902.

Ser. No. 192,877. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"FOOT-RESTUR"

The lining of trade-mark drawing expresses shading.
Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since November, 1911.

Ser. No. 192,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"CUROPAD"

Particular description of goods.—Plasters and Pads for Treating Abnormal Growths and Conditions of the Feet.
Claims use since January, 1914.

Ser. No. 192,881. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"UNIVERSALE"

Particular description of goods.—Supports for the Arches and Other Parts of the Feet.
Claims use since July, 1917.

Ser. No. 192,883. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARROWSMITH MANUFACTURING COMPANY, New York, N. Y. Filed Feb. 27, 1924.

"FOOT-O-PRINT"

The lining of trade-mark drawing expresses the color red.
Particular description of goods.—Devices for Measuring the Feet, Hands, and Other Portions of the Body.
Claims use since November, 1918.

Ser. No. 193,036. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) FEDERAL YARN CORPORATION, New York, N. Y. Filed Feb. 29, 1924.

YORKTAPE

Applicant disclaims the right to the exclusive use of the word "Yorktape" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Cotton Tape.
Claims use since Jan. 22, 1924.

Ser. No. 193,720. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

FRITZI RITZ

Particular description of goods.—Daily Comic Strip in Evening World Newspaper.
Claims use since Oct. 9, 1922.

Ser. No. 193,730. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

LITTLE NAPOLEON

Particular description of goods.—Daily Comic Strip in the Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 193,731. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

BANANA OIL

Particular description of goods.—Daily Comic Strip in the Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 193,732. (CLASS 38. PRINTS AND PUBLICATIONS.) PRESS PUBLISHING COMPANY, New York, N. Y. Filed Mar. 13, 1924.

RADIO THE MONK

Particular description of goods.—Daily Comic Strip in Evening World Newspaper.
Claims use since Jan. 2, 1924.

Ser. No. 194,033. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, New York, N. Y. Filed Mar. 18, 1924.

KO-KO-FOAM

Particular description of goods.—Shampoo Preparation.
Claims use since Oct. 1, 1923.

Ser. No. 194,553. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 27, 1924.

Lafarge Brand

No claim is made to the term "Brand" apart from the mark as shown. Trade-Mark consists of the word "Lafarge."
Particular description of goods.—Ribbons in the Piece.
Claims use since about Mar. 1, 1916.

Ser. No. 194,893. (CLASS 39. CLOTHING.) WHITCHER & Co., Glendale, Calif. Filed Apr. 2, 1924.

EZ ON EZ OFF

Particular description of goods.—Men's Outer Working Garment in the Form of Khaki Auto Aprons.
Claims use since Mar. 17, 1924.

Ser. No. 196,431. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio. Filed May 2, 1924.

SWEET CLOVER

Particular description of goods.—Ham, Bacon, and Sausage.
Claims use since Dec. 7, 1894.

Ser. No. 196,468. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS. M J B METALLWARENFABRIK JOSEF ROSENTHAL AKTIENGESELLSCHAFT, Vienna, Austria. Filed May 2, 1924.

PHÖBUS

Particular description of goods.—Liquid-Fuel Cooking Stoves.
Claims use since end of September, 1901.

Ser. No. 197,407. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AMERICAN SILVER-ILE PRODUCTS CORPORATION, Portland, Oreg. Filed May 22, 1924.

SILVER-ILE

Particular description of goods.—Powdered Soap for Use of Mechanics and Tradesmen, Household Cleanser, and Carpet Cleanser.
Claims use since June 1, 1917.

Ser. No. 197,585. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) COLGATE & COMPANY, Jersey City, N. J., and New York, N. Y. Filed May 26, 1924.



Applicant makes no claim herein to the exclusive right to the use of the representation of a carton appearing on the drawing or to any of the words displayed upon the said trade-mark other than "Colgate's" and "Colgate & Co." apart from the mark as shown.
Particular description of goods.—Shaving Soap and Shaving Sticks.
Claims use since Jan. 1, 1911.

Ser. No. 198,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRU-FRUIT MFG. CO., Oakland, Calif. Filed June 11, 1924.

SNOW KONE

No claim is made to the word "Kone" apart from the mark as shown in the drawing.
Particular description of goods.—Shaved Ice in a Cone Over Which Flavoring Has Been Poured.
Claims use since May 1, 1924.

Ser. No. 198,449. (CLASS 38. PRINTS AND PUBLICATIONS.) BROTHERHOOD INVESTMENT COMPANY, Mentor, Ohio. Filed June 12, 1924.

The LABOR BANKER

Particular description of goods.—Printed Publication Issued Periodically—that is to say, Monthly.
Claims use since May 20, 1924.

Ser. No. 198,578. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) G. T. MANLEY, doing business as Glossila Chemical Co., Decatur, Ga. Filed June 14, 1924.

GLOSSILA

Particular description of goods.—Piano and Automobile Polish.
Claims use since Apr. 29, 1924.

Ser. No. 199,253. (CLASS 39. CLOTHING.) SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill. Filed June 27, 1924.



Particular description of goods.—Shoes, Boots, and Slippers Made of Leather and Leather in Combination with Fabric and Elastic Goring and with Rubber Heels.
Claims use since January, 1914.

Ser. No. 199,331. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE TRELOY & TICKET COMPANY, Chicago, Ill. Filed June 28, 1924.

SELL-U-LETTERS

Particular description of goods.—Celluloid Letters for Changeable Signs.
Claims use since Jan. 1, 1900.

Ser. No. 199,475. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Charlottenburg, Germany. Filed July 2, 1924.

Minolith

Particular description of goods.—Pitch and Tar.
Claims use since Jan. 1, 1924.

Ser. No. 199,664. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) C. U. WILLIAMS & SON, Bloomington, Ill. Filed July 5, 1924.

WILLIAMS OIL-O-MATIC HEATING

The word "Heating" appearing upon the drawing is disclaimed.
Particular description of goods.—Liquid-Fuel-Burning Apparatus.
Claims use since about Jan. 15, 1920.

Ser. No. 199,820. (CLASS 11. INKS AND INKING MATERIALS.) CHEMICAL PROCESS CORPORATION, Chicago, Ill. Filed July 10, 1924.

CHEMI-COPY CARBONS



No claim is made to the exclusive use of the words "Copy," "Carbons," and "The Perfect Chemical Carbon" apart from the mark as shown.
Particular description of goods.—Carbon Paper.
Claims use since Apr. 18, 1924.

Ser. No. 199,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR J. GIROUARD, doing business as The Wonder Chemical Company, West Springfield, Mass. Filed July 11, 1924.

BAKER'S

Bleaching Fluid and Cormond Water



No claim is made to the words "Bleaching Fluid and Cormond Water" apart from the mark shown.
Particular description of goods.—Bleaching Fluid and Cormond Water.
Claims use since Jan. 1, 1918.

Ser. No. 199,930. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BRILLO MANUFACTURING COMPANY, INC., Brooklyn, N. Y. Filed July 12, 1924.

Bi-Produx

Particular description of goods.—Steel Wool.
Claims use since June 26, 1924.

Ser. No. 199,933. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CLEVELAND ENGINEERING LABORATORIES COMPANY, Cleveland, Ohio. Filed July 12, 1924.

STORAD

Particular description of goods.—Alternating-Current Rectifiers, Storage Batteries, and Parts Thereof.
Claims use since about Nov. 1, 1923.

Ser. No. 200,128. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. WEBER & COMPANY, Chicago, Ill. Filed July 16, 1924.

JACKSON PARK

Particular description of goods.—Canned Berries, Canned Fruits, Canned Vegetables, Canned Fish, and Canned Foods—Namely, Blackberries, Apple Sauce, Apricots, Asparagus, Asparagus Tips, Red Kidney Beans, Lima Beans, Green Stringless Beans, Wax Beans, Beets, Red Pitted Cherries, Black Cherries, Royal Anne Cherries, Golden Bantam Corn, Corn, Grapefruit, Peaches, Pears, Peas, Pineapple, Prunes, Pumpkin, Sauerkraut, Spinach, Sweet Potatoes, Tomatoes, Clam Chowder, Fruits for Salad, Fruit Salad, Hominy, Mixed Vegetables, Pork and Beans, Spaghetti, Succotash, Olives, Queen Olives, Stuffed Olives, Molasses, Hominy, Clams, Crab Meat, Kippered Herring, Lobster, Salmon, Sardines, Shrimp, Tunny Fish; Canned Milk, Condensed and Evaporated; Marmalades; Fruit Preserves and Jellies—Namely, Apple Jelly, Grape Jelly, Currant Jelly, Cherry Preserves, Pineapple Preserves, Strawberry Preserves, Blackberry Preserves, Peach Preserves, Raspberry Preserves, Apple Butter, Orange Marmalade; Condiments and Relishes—Namely, Tomato Catchup, Sweet Pickles; Sweet Mixed, Consisting of Pickles, Onions, and Cauliflower; Sweet Mixed Vegetable Relish, Mayonnaise Dressing, Chili Sauce, Prepared Mustard, Olive Oil, White Vinegar, Cider Vinegar; Food-Flavoring Extracts—Namely, Vanilla, Lemon Extract; Coffee, Tea, Rolled Oats, Corn Flakes, and Wheat and Rye Flour.
Claims use since on or about Sept. 1, 1903.

Ser. No. 200,397. (CLASS 5. ADHESIVES.) LIGHTNING MANUFACTURING COMPANY, Joplin, Mo. Filed July 28, 1924.

LIGHTNING

Particular description of goods.—Puncture Seal.
Claims use since Jan. 6, 1924.

Ser. No. 200,591. (CLASS 17. TOBACCO PRODUCTS.) WEITZELSIN BROTHERS INC., Philadelphia, Pa. Filed July 26, 1924.

FEDORA

Particular description of goods.—Cigars, Cigarettes, Smoking Tobacco, and Chewing Tobacco.
Claims use since 1880.

Ser. No. 200,677. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FOSTER HONEY AND MERCANTILE CO., doing business as The Foster Honey Co., Boulder, Colo. Filed July 29, 1924.

Frenchie

Particular description of goods.—Candy.
Claims use since May 31, 1924.

Ser. No. 201,145. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN KING & SON, Glasgow, Scotland. Filed Aug. 8, 1924. Under 10-year proviso.

JOHN KING & SON'S

Particular description of goods.—Cotton Piece Goods.
Claims use since 1826.

Ser. No. 201,384. (CLASS 37. PAPER AND STATIONERY.) TYPO TRADING CORPORATION, New York, N. Y. Filed Aug. 13, 1924.

TTC

Particular description of goods.—Desk Calendars, Desk-Calendar Pads, Letterheads, Writing Paper, Envelopes, Bills, Statements, Shipping Labels, and Advertising Circulars.
Claims use since on or about July 1, 1924.

Ser. No. 201,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PERFUMERIA GAL SOCIEDAD ANONIMA, Madrid, Spain. Filed Aug. 19, 1924.



No claim is made to the word "Madrid" apart from the mark shown in the drawing.
Particular description of goods.—Toilet Powders, Toilet Extracts, Hair Lotions, Toilet Waters, Shampoo, Hair Fixative, Bandoline, Brilliantine, Perfumed Hair Oil, Virgin Skin Emulsion, Cold Cream, Complexion Cream, Almond Paste for the Hands, Toilet Ammonia, Bath Salts, Dentifrices, and eau de Cologne.
Claims use since March, 1923.

Ser. No. 201,959. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INTER-STATE RADIO CO., New York, N. Y. Filed Aug. 28, 1924.

INTER-STATE RADIO CO

Particular description of goods.—Radio Loud Speakers, Transformers, Condensers, Rheostats, Sockets, Subpanels, and Sets.
Claims use since July 1, 1924.

Ser. No. 202,136. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MURPHY VARNISH COMPANY, Newark, N. J. Filed Sept. 2, 1924.

Murcote

Particular description of goods.—Nitrocellulose Lacquers.
Claims use since Jan. 1, 1924.

Ser. No. 202,378. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BAKELITE CORPORATION, New York, N. Y. Filed Sept. 13, 1924.

B

Particular description of goods.—Armatures, Bobbin Heads, Buttons, Distributer Heads, End Bells, Fuse Blocks, Refillable Fuse Cases, Handles of Insulating Composition, Insulating Sockets; Magneto Parts—Namely, Silent Resilient Gears and Combination Shaft Connecters and Insulators and Insulating Compositions for Such Parts; Plugs, Potentiometer Tops, Rheostat Bases, Insulating Rods and Sheets, Switchboards, Switch Handles and Bases, Telephone-Receiver Shells, Telephone Ear Caps, Telephone Mouthpieces, Wireless Boxes of Insulating Material, Radiopanels, Vacuum-Tube Bases, Conduit Bushings, Junction-Box Insulators, House Wiring and Power Wiring Insulators, Impregnating Compositions for Coil Cases, Bus Bars, Dials, Rotors, Connecters, Telephone Jacks, Transformer Cases, Commutaters, Spools for Receiving Electrical Windings, Variometers, Insulators for Electromagnets of Annunciators, Insulators for Signal Devices, Mercury Wells, Brush Holders; Parts for Electric Curling, Soldering, and Flatirons—Namely, Handles, Handle Plugs, Heat Insulators, and Insulating Bushings; Electric Hair-Waving Machinery; Electric-Elevator Parts—Namely, Dashpots, Electric Control and Switchboard Insulators; Dental Parts—Namely, Insulators for Motor and Flexible Shaft Drills, High-Tension Terminal Posts for X-Ray Apparatus, Housing Cones for X-Ray Tubes, and Handles and Toggles for Exploring Lights; Violet-Ray Generators, Electric Drills, and Electric-Fan Blades.
Claim use since Mar. 20, 1924.

Ser. No. 202,688. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PELLING, STANLEY & CO. LTD., Liverpool, England. Filed Sept. 15, 1924.

DAY DREAM

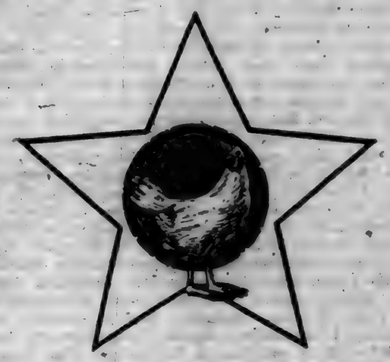
Particular description of goods.—Preserved, Canned, Bottled, and Dried Fruits.
Claims use since about Feb. 27, 1924.

Ser. No. 202,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANCISCO GIL, Seville, Spain. Filed Sept. 17, 1924.

HISTOGIL

Particular description of goods.—General Tonic.
Claims use since March, 1918.

Ser. No. 203,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRISTIAN R. HOLMES, Montecito, Santa Barbara, Calif. Filed Oct. 7, 1924.



The representation of the hen is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Fresh Eggs and Live and Dressed Poultry.
Claims use since July 31, 1924.

Ser. No. 203,578. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CHARLES LAUFS, doing business as Stay-Tight Co., New York, N. Y. Filed Oct. 8, 1924.

SPRING LOCK
Bobbette Curler

The words "Curler" and "Spring Lock" are hereby specifically disclaimed when dissociated from the word "Bobbette."
Particular description of goods.—Hair Curlers.
Claims use since Mar. 1, 1924.

Ser. No. 203,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed Oct. 15, 1924.

SNOW DRIFT



Particular description of goods.—Corn Sirup.
Claims use since Apr. 14, 1910.

Ser. No. 203,914. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed Oct. 15, 1924.

BETSY

Particular description of goods.—Table Sirup.
Claims use since May 12, 1923.

Ser. No. 203,915. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed Oct. 15, 1924.

UNION BRAND



The word "Brand" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Corn Sirup.
Claims use since Oct. 2, 1906.

Ser. No. 203,919. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed Oct. 15, 1924.



Particular description of goods.—Corn Sirup.
Claims use since May 3, 1911.

Ser. No. 204,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BIBDSEY FLOUR MILLS, Macon, Ga. Filed Oct. 17, 1924.

Royal Blue

The lining shown on trade-mark drawing indicates blue.
Particular description of goods.—Self-Rising Wheat Flour.
Claims use since July 12, 1924.

Ser. No. 204,310. (CLASS 35. PRINTS AND PUBLICATIONS.) DUNCAN SISTERS MUSIC PUBLISHERS, Chicago, Ill. Filed Oct. 23, 1924.



The pictures shown on the drawing are portraits of applicants.
Particular description of goods.—Musical Compositions and Publications.
Claims use since June 10, 1924.

Ser. No. 204,379. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SWEETS COMPANY OF AMERICA, INCORPORATED, New York, N. Y. Filed Oct. 24, 1924.



Applicant disclaims the exclusive right to the use of the word "Rolls" apart from the mark as shown. The oblique lining on the drawing is intended to denote the color brown. The other lining—namely, that in dots—is intended to denote the color gold.
Particular description of goods.—Candy.
Claims use since September, 1908.

Ser. No. 204,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A/S FIEDA, Maaloy, Norway. Filed Oct. 25, 1924.



Particular description of goods.—Tinned and Preserved Fish, Tinned and Preserved Meat, Fish Balls, Meat Balls, Sausage, Farce Fish, and Farce Meat.
Claims use since October, 1923.

Ser. No. 204,550. (CLASS 37. PAPER AND STATIONERY.) FOX RIVER PAPER COMPANY, Appleton, Wis. Filed Oct. 29, 1924.

NEW ERA BOND

The word "Bond" is disclaimed.
Particular description of goods.—Writing Paper.
Claims use since Apr. 8, 1922.

Ser. No. 204,590. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EAGLE PIECE DYE WORKS, Paterson, N. J. Filed Oct. 30, 1924.



The trade-mark is stamped in gold.
Particular description of goods.—Textile Fabrics—Namely, Silk, Silk and Cotton, Silk and Wool, Silk and Linen, Silk and Tussah, Silk and Schappe, and All Silk Mixtures.
Claims use since May 25, 1917.

Ser. No. 204,703. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ANDERSON D. DAVIS, Gastonia, N. C. Filed Nov. 1, 1924.

STAR

Particular description of goods.—Roller Dressing for Use on Textile-Machinery Rollers.
Claims use since Oct. 16, 1924.

Ser. No. 204,794. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIETE L'ALIMENT BIENETRE, Nanterre, France. Filed Nov. 3, 1924.

Pain essentiel

No claim is made to the word "Pain" apart from the mark shown.
Particular description of goods.—Prepared Bread for Infants and Invalids.
Claims use since December, 1902.

Ser. No. 204,859. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HOWARD W. LESTER, Hartford, Conn. Filed Nov. 5, 1924.

WONDER WORKER

Particular description of goods.—Furniture and Automobile Polishes.
Claims use since Jan. 1, 1912.

Ser. No. 205,009. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE W. H. DUREN CO., Norwich, N. Y. Filed Nov. 8, 1924.

SUPREME COURT

Particular description of goods.—Canned Vegetables, Canned Fish, Evaporated Milk, Condensed Milk; Potted Meat—Namely, Ham; Sliced Beef, Coffee, Tea, Mincemeat, Macaroni, Olives, Pickles, Rolled Oats, Pancake Flour, Prepared Mustard, Peanut Butter, Cocoa, Cocoanut, Salad Dressing, and Cornstarch for Food Purposes.
Claims use since Oct. 23, 1912.

Ser. No. 205,108. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BROCKTON STAIN CO. INC., Brockton, Mass. Filed Nov. 11, 1924.

PRODUCTS OF MERIT
BROCKTON
STAIN CO. INC.
BROCKTON, MASS. U.S.A.

The phrases "Products of Merit" and "Brockton, Mass., U. S. A." are not claimed apart from the other features of the mark.
Particular description of goods.—Waxes for Use in the Manufacture of Shoes, for Repairing, for Filling Up Defects and Blemishes, and for Use in Coatings on the Leathers and Other Parts of Shoes; Stains for Coloring Leather and Other Parts Used in Shoes and for Repairing Blemishes and in Matching Up Colors in Shoes; and Shoe Crayons for Use in Marking Shoes, and More Especially for Filling in Small Cuts, Scratches, and Repairing Patent Leathers, the Crayons Being Made in Colors to Match the Leathers and for Use Along with Stain.
Claims use since Nov. 3, 1924.

Ser. No. 205,246. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1924.

TIP-TOP

Trade-mark shown contains the colors blue and yellow, as shown by the color lines therein.
Particular description of goods.—Materials for Use upon Automobiles—Namely, Khaki Top Dressings and Brake Dressings.
Claims use since Oct. 31, 1924.

Ser. No. 205,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UKEMCO CORPORATION, doing business as Gibson-Howell Company, Inc., New York, N. Y. Filed Nov. 18, 1924.

Gibson-Howell's

Particular description of goods.—Cold Cream, Hair Tonic, and Dandruff Remedy.
Claims use since Jan. 15, 1924.

Ser. No. 205,548. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RADWAY & COMPANY, New York, N. Y. Filed Nov. 19, 1924.

All of the wording with the exception of the letters "R R R," the words "Pilulas Reguladoras De Radway" and applicant's name being disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Preparation for the Treatment of Dyspepsia, Indigestion, Heartburn, Biliousness, Constipation, and Similar Ailments.
Claims use since 1874.

Ser. No. 205,773. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ORANGE FROST COMPANY, Los Angeles, Calif. Filed Nov. 24, 1924.

Jack Frost

Particular description of goods.—Nonalcoholic, Malt-less Beverages and Extracts and Sirups for Making the Same.
Claims use since Sept. 15, 1924.

Ser. No. 205,776. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed Nov. 24, 1924.

4D-OIL

No claim is made herein to the word "Oil" except in connection with the mark as shown.
Particular description of goods.—Lubricating Oils, Particularly Petroleum-Product Oils.
Claims use since Nov. 3, 1924.

Ser. No. 205,827. (CLASS 39. CLOTHING.) M. B. HAMILTON & CO., Leavenworth, Kans. Filed Nov. 25, 1924.

ENGINEERS



SPECIAL

No claim is made to the word "Special" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Work Gloves, Mittens, and Gauntlets Made from Fabric and Combinations of Fabric and Leather.
Claims use since Jan. 1, 1921.

Ser. No. 205,828. (CLASS 39. CLOTHING.) M. B. HAMILTON & CO., Leavenworth, Kans. Filed Nov. 25, 1924.

HI-



BALL

Particular description of goods.—Work Gloves, Mittens, and Gauntlets Made of Fabric and Combinations of Fabric and Leather.
Claims use since Nov. 1, 1924.

Ser. No. 206,829. (CLASS 39. CLOTHING.) M. B. HAMILTON & Co., Leavenworth, Kans. Filed Nov. 25, 1924.

RAILROADERS

SPECIAL

No claim is made to the word "Special" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Work Gloves, Mittens, and Gauntlets Made of Fabric and Combinations of Fabric and Leather.

Claims use since Nov. 1, 1924.

Ser. No. 205,864. (CLASS 15. OILS AND GREASES.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Nov. 26, 1924.

ETHYL

Particular description of goods.—Motor Fuel Oils.

Claims use since April, 1923.

Ser. No. 205,879. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM KRANZ, doing business as Dynamic Radio Company and Mike's Radio Shops, New York, N. Y. Filed Nov. 26, 1924.

DYNAMIC

Particular description of goods.—Radio Sets; Radio Apparatus—Namely, Receiving and Transmitting Sets and Parts Thereof, Transformers, Amplifying Horns, Condensers, Head Sets, and Parts Thereof.

Claims use since Aug. 11, 1924.

Ser. No. 205,926. (CLASS 38. PRINTS AND PUBLICATIONS.) W. B. KELLER PUBLISHING CO., New York, N. Y. Filed Nov. 28, 1924.

NATIONAL BOTTLERS' GAZETTE

Particular description of goods.—Publication Issued Monthly.

Claims use since Mar. 1, 1882.

Ser. No. 205,982. (CLASS 38. PRINTS AND PUBLICATIONS.) JOSEPH E. AUSTERLIN, New York, N. Y. Filed Nov. 29, 1924.

WORD CROSS

Applicant makes no claim herein to the exclusive use of the words "Cross Word" apart from the mark as shown.

Particular description of goods.—Books Containing Puzzles.

Claims use since June 7, 1924.

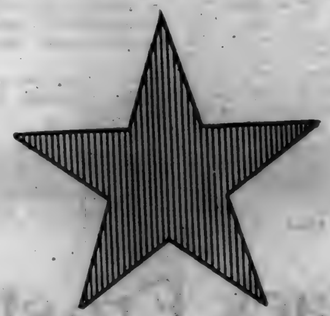
Ser. No. 206,173. (CLASS 32. FURNITURE AND UPHOLSTERY.) KOERNER FURNITURE MANUFACTURING COMPANY, INC., Boston, Mass. Filed Dec. 3, 1924.

Koerner

Particular description of goods.—Upholstered Divans and Upholstered Chairs.

Claims use since Aug. 1, 1924.

Ser. No. 206,176. (CLASS 37. PAPER AND STATIONERY.) R. H. MACY & Co., INC., New York N. Y. Filed Dec. 3, 1924.



The crosshining of trade-mark drawing indicates the color red.

Particular description of goods.—Typewriter Paper, Typewriter Tablet Paper, Londonderry Bond Paper, Bond Tablets, Arabian Linen Writing Paper, Onionskin Writing Tablets, Scotch Madras Paper, Letter Writing Paper and Tablets.

Claims use since September, 1915.

Ser. No. 206,206. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAMS SEED COMPANY, INC., Norfolk, Va. Filed Dec. 3, 1924.



Particular description of goods.—Flower, Vegetable, and Farm Seed; Spring and Summer Flowering Flower Bulbs.

Claims use since Jan. 15, 1922.

Ser. No. 206,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL M. ESA, doing business as Dutch Maid Products, Seattle, Wash. Filed Dec. 4, 1924.

DUTCH MAID

Particular description of goods.—Mayonnaise and Salad Dressings, Corn-Meal Mush, Tartar Sauce, Thousand Island Dressing; Sandwich Spread Consisting of Mayonnaise Dressing, Pickles, and Condiments; Olive Butter, Mustard, Horse-Radish, Mustard with Horse-Radish, Saratoga Chips, Vinegar, Salad Dressing French Style, Rarebit, Pickles, and Olives.

Claims use since May 15, 1922.

Ser. No. 206,252. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. MILLER, Milwaukee, Wis., and Chicago, Ill. Filed Dec. 4, 1924.

MILLER'S

Particular description of goods.—Salve for the Treatment of Skin Diseases, Wounds, Burns, Cuts, Sores, and Skin Eruptions; Liniment to be Used in the Treatment of Lumbago, Sprains, Bruises, Rheumatism, Neuralgia, Strains, Soreness, and Stiffness of the Muscles.

Claims use since Aug. 1, 1924.

Ser. No. 206,310. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILTON IVES LIVE, New York, N. Y. Filed Dec. 5, 1924.

UTEX

Particular description of goods.—Vaginal Suppositories.

Claims use since Nov. 1, 1924.

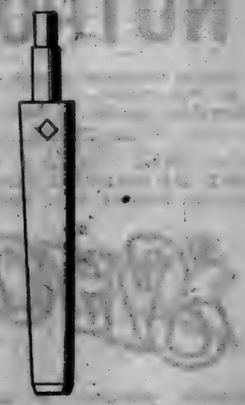
Ser. No. 206,415. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENJAMIN W. LANGMAN, Los Angeles, Calif. Filed Dec. 8, 1924.

Cielle

Particular description of goods.—Shampoo, Face Lotion, Bath Crystals, Tooth Paste, Hair Dressing, Talcum Powder, Rose and Glycerin Jelly, Bay Rum, Hair Dye, Liquid Face Powder, Hair Tonic, Astringent Lotion, Vegetal, Freckle Cream, Skin Bleach, Nail White, Tissue Builder, Massage Cream, Brilliantine, Cuticle Cream, Beautifier, Face Cream, Foundation Cream, Foot Powder, Asthma Powder, Laxative Pills, Kidney Tablets, Dyspepsia Tablets, Headache Powders, Milk of Magnesia, Blood Builder, Tonic, Eczema Ointment, Eczema Oil, Carbolic Salve, Cough Sirup, Gargle, Corn Remedy, Toothache Remedy, Catarrh Remedy, Laxative, Poison-Oak Remedy, Rheumatism Medicine, Pile Remedy, Pile Suppositories, Mustard Balm, Zinc-Oxide Ointment, Antiseptic Cones, Mouth Wash, Larkspur Lotion Compound, Sirup Hypophosphites, Cod-Liver-Oil Extract.

Claims use since Aug. 1, 1924.

Ser. No. 206,524. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) WILLIAM HENDRIKX, College Point, N. Y. Filed Dec. 10, 1924.



The representation of the goods is disclaimed apart from the mark shown on the drawing. As applied to

pipes the trade-mark consists of a white diamond-shaped figure inlaid about one-fourth inch from the joint between the pipe bowl and mouthpiece. When applied to cigar and cigarette tubes is located wherever most suitable, according to their shapes.

Particular description of goods.—Tobacco Pipes, Cigar and Cigarette Holders.

Claims use since December, 1907.

Ser. No. 206,539. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE LEMOINE ET CIE., INC., New York, N. Y. Filed Dec. 10, 1924.

GRASSEFLEUR

Particular description of goods.—Essential and Flower Oil Compounds Thereof.

Claims use since Sept. 15, 1923.

Ser. No. 206,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PIERRE LEMOINE ET CIE., INC., New York, N. Y. Filed Dec. 10, 1924.

MERVEILLE

Particular description of goods.—Essential and Flower Oil Compounds Thereof.

Claims use since Mar. 20, 1921.

Ser. No. 206,546. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE RODIER, Paris, France. Filed Dec. 10, 1924.

DULCELLA

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same.

Claims use since Sept. 2, 1924.

Ser. No. 206,597. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCIENTIFIC PRODUCTS, INC., Chicago, Ill. Filed Dec. 11, 1924.

NUTROGEN

Particular description of goods.—Chocolated Cod-Liver Oil for Food Purposes.

Claims use since Nov. 1, 1924.

Ser. No. 206,645. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) A. DONALD STEWART, Westbury, N. Y. Filed Dec. 12, 1924.

"SHOO"

Particular description of goods.—Nonsaponaceous Cleaning Powder for Use with Liquids.

Claims use since July 1, 1924.

Ser. No. 206,672. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KING BUN COMPANY, Dallas, Tex. Filed Dec. 13, 1924.



Particular description of goods.—Toasted Sandwiches.

Claims use since Oct. 1, 1923.

Ser. No. 206,760. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN INTERSTATE RADIO SERVICE, New York, N. Y. Filed Dec. 16, 1924.



Particular description of goods.—Radio Sets; Radio Apparatus—Namely, Receiving and Transmitting Sets and Parts Thereof, Transformers, Amplifying Horns, Condensers, Head Sets, and Parts Thereof.

Claims use since Sept. 10, 1924.

Ser. No. 206,782. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 16, 1924.

Markwell

Particular description of goods.—Metal Eyelets and Washers, Hamper Hooks, Meat Hooks, Meat Skewers, Stencil and Marking Pots, Tag Hooks, Tag Wires, Glaziers' Points, Staples, Box Strapping, Corrugated Fasteners, and Box Clamps for Reinforcing Wooden Cases, Tub Tins, and Pail Clamps for Fastening Lids of Pails and Tubs.

Claims use since February, 1920.

Ser. No. 206,794. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 16, 1924.

Markwell

Particular description of goods.—Knives for Cutting Banana Stalks and Knives for Cutting Twine, Wrapping Paper, and Corrugated Board, Etc.; Cord Cutters, Stapling Machines, Clamping Benches, Box-Strapping Machines, Eyelet Machines, Automatic Glazier Point-Driving Machines, Gum-Tape Machines, Miter-Cutting Machines, Mortising Machines, Pin-Setting Machines, Motor-Driven Saws, Ordinary Saws, Screen-Wire-Stretching Machines, Automatic Brad Drivers, Case Hooks, Box Scrapers, Nail Pullers, and Bale-Tie Cutters, Slat-Cutting Machines, and Stencil-Cutting Machines.

Claims use since February, 1920.

Ser. No. 206,796. (CLASS 6. ADHESIVES.) MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 16, 1924.

Markwell

Particular description of goods.—Label Glue, Glue for Sealing Cartons, and Silicate of Soda for Adhesive Purposes.

Claims use since February, 1920.

Ser. No. 206,814. (CLASS 38. PRINTS AND PUBLICATIONS.) WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif. Filed Dec. 16, 1924.

WELCOTONE

Particular description of goods.—Advertising Signs and Display Cards—Namely, Transparent Signs Adhering to the Surface to Which They are Applied.

Claims use since Feb. 1, 1924.

Ser. No. 207,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. J. HEINZ COMPANY, Pittsburgh, Pa. Filed Dec. 20, 1924. Under ten-year proviso.



The lining upon the drawing is for the purpose of shading only.

Particular description of goods.—Pickles, Chowchow, Pickled Onions, Canned Baked Beans, Canned Soups, Catchup, Chutney, Beefsteak Sauce, Chili Sauce, Pepper Sauce, India Relish, Prepared Mustard, Olives, Olive Oil, Horse-Radish, Fruit Preserves, Fruit Butters, Fruit Jellies, Mincemeat, Peanut Butter, Plum Pudding, Fig Pudding, Cooked Spaghetti, Cooked Macaroni, Mayonnaise, Salad Dressing, and Vinegar.

Claims use since Jan. 1, 1892.

Ser. No. 207,085. (CLASS 39. CLOTHING.) JOHN B. MAHLY COMPANY, Chicago, Ill. Filed Dec. 22, 1924.



Applicant disclaims the phrase "Clothes Built on Truth" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Men's, Boys', and Youths' Street Clothes—to wit, Suits, Vests, Coats, and Trousers.

Claims use since June 1, 1924.

Ser. No. 207,118. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) E. & J. BASS, INC., New York, N. Y. Filed Dec. 23, 1924.

DANDY

The trade-mark consists of the word "Dandy."

Particular description of goods.—Cigar and Cigarette Lighting Devices in Which a Spark-Producing Alloy is Used for Lighting Purposes.

Claims use since May, 1924.

Ser. No. 207,168. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HEROCK MANUFACTURING COMPANY, Phoenixville, Pa. Filed Dec. 24, 1924.

HEROCK

Particular description of goods.—Asphaltic Paints.

Claims use since Sept. 6, 1924.

Ser. No. 207,221. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y. Filed Dec. 26, 1924.

AIRCO

DAVIS BOURNONVILLE

Particular description of goods.—Oxyacetylene Welding and Cutting Apparatus.
Claims use since Nov. 23, 1923.

Ser. No. 207,277. (CLASS 39. CLOTHING.) JOSEPH E. WARD (BREDBURY) LIMITED, Bredbury, Stockport, and London, England. Filed Dec. 26, 1924. Under ten-year proviso.

MADE IN ENGLAND BY Joseph E. Ward STOCKPORT

Trade-mark is a facsimile of the signature of applicant's predecessor in business, Joseph E. Ward.
Particular description of goods.—Men's Hats and Caps.
Claims use since Dec. 1, 1894.

Ser. No. 207,278. (CLASS 39. CLOTHING.) JOSEPH E. WARD (BREDBURY) LIMITED, Bredbury, Stockport, and London, England. Filed Dec. 26, 1924. Under ten-year proviso.

Extra Quality JOSEPH E. WARD LONDON.

Particular description of goods.—Men's Hats and Caps.
Claims use since Dec. 1, 1894.

Ser. No. 207,386. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAROLD KAPLAN, Brooklyn, N. Y. Filed Dec. 29, 1924.

ACES The Winning Laxative

ACE E ACE E

No claim is made to the exclusive use of the words "The Winning Laxative" apart from the mark as shown in the drawing.
Particular description of goods.—Laxative.
Claims use since Dec. 17, 1924.

Ser. No. 207,406. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LOUIS RUFFIO, doing business as R. Louis, New York, N. Y. Filed Dec. 29, 1924.

Eveready

Particular description of goods.—Transformations and Wigs.
Claims use since Sept. 25, 1924.

Ser. No. 207,493. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALEXANDER COPPEL, Solingen, Germany. Filed Dec. 31, 1924.

RADICAL

Particular description of goods.—Hair Clippers, Beard Clippers, and Neck Shavers.
Claims use since Aug. 19, 1924.

Ser. No. 207,541. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ACME PRODUCTS COMPANY, New Orleans and De Quincy, La. Filed Jan. 2, 1925.

QUALITY ACME SERVICE

No rights are asserted to the exclusive use of the words "Quality" and "Service" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Pine Oil for Use in Paints and Varnishes.
Claims use since Oct. 15, 1922.

Ser. No. 207,575. (CLASS 7. CORDAGE.) L. HYMAN & SONS, doing business as Red Seal Mills, New York, N. Y. Filed Jan. 2, 1925.

RED SEAL MILLS Red Seal Twines

No rights are asserted to the exclusive use of the word "Twine" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Twine.
Claims use since about 1899.

Ser. No. 207,601. (CLASS 15. OILS AND GREASES.) VEEDAL CREATIONS, INC., New York, N. Y. Filed Jan. 2, 1925.

Lubreespray THE FRIEND OF YOUR CAR

Particular description of goods.—Fuel and Lubricating Oils and Lubricating Greases.
Claims use since Dec. 5, 1924.

Ser. No. 207,615. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHERRY CITY MILLING COMPANY, Salem, Oreg. Filed Jan. 3, 1925.

CHERRO



Particular description of goods.—Wheat Flour and Pancake Flour, Cereal Breakfast Food, Poultry and Stock Feeds.
Claims use since January, 1920.

Ser. No. 207,624. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINER-HILLARD MILLING CO., Wilkes-Barre, Pa. Filed Jan. 3, 1925.

M-H FEATHER FLAKES

Particular description of goods.—Wheat Flour Specially Milled for Making of Cakes.
Claims use since May, 1924.

Ser. No. 207,625. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNIE ELIZABETH MUERMANN, Danville, Ill. Filed Jan. 3, 1925.



TUBERCULENE

No claim is made to the word "Tuberculene" apart from the mark as shown in the drawing. The drawing is a reproduction of the photograph of applicant.
Particular description of goods.—Medicine to be Used in the Treatment of Functional Disorders of the Lungs and Ailments Arising from Coughs and Colds.
Claims use since Dec. 20, 1924.

Ser. No. 207,629. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PACIFIC & ATLANTIC PHOTOS, INC., New York, N. Y. Filed Jan. 3, 1925.

Telephoto

Particular description of goods.—Machines and Apparatus for Distance Transmission of Photographs Electrically.
Claims use since Dec. 22, 1924.

Ser. No. 207,631. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SELECTROL RADIO CORPORATION, New York, N. Y. Filed Jan. 3, 1925.

SELECTROL

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Nov. 20, 1924.

Ser. No. 207,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILCOX-HAYES CO., Portland, Oreg. Filed Jan. 3, 1925.

GALLEON



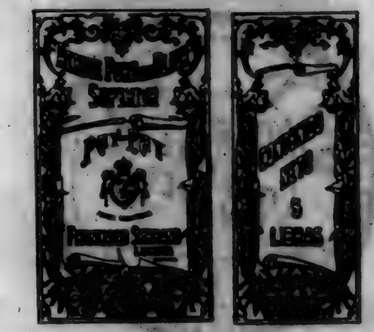
Particular description of goods.—Wheat Flour.
Claims use since Oct. 15, 1923.

Ser. No. 207,642. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ALTORFER BROS. CO., East Peoria, Ill. Filed Jan. 5, 1925.

Snowdrift

Particular description of goods.—Washing Machines.
Claims use since Nov. 1, 1924.

Ser. No. 207,686. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANCISCO SERRANO RIVERA, Lucena, Spain. Filed Jan. 5, 1925.



The exclusive use of the words "Aceite Puro de Oliva, Superior, Marca Registrado, Lucena, Espana, Contenido Neto 5 Libras" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Olive Oils.
Claims use since March, 1923.

Ser. No. 207,701. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE WESTERN SHADE CLOTH COMPANY, Chicago, Ill. Filed Jan. 5, 1925.

WESTERN
LEATHEROID
MADE

The words "Western Made" are disclaimed as a part of the trade-mark as shown.
Particular description of goods.—Imitation-Leather Fabric.
Claims use since Dec. 1, 1922.

Ser. No. 207,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLUMBIA FOOD PRODUCTS CO. INC., Newark, N. J. Filed Jan. 6, 1925.

BAY KING



Particular description of goods.—Pie Fillings, Cream Filling, and Jelly Powder.
Claims use since Sept. 15, 1924.

Ser. No. 207,755. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACIFIC ORIENT COMPANY, San Francisco, Calif. Filed Jan. 6, 1925.

P. O. C. O.

Particular description of goods.—Chinese Textile Rugs and Grass Rugs, Bamboo Mats, and Laces in the Piece.
Claims use since Nov. 1, 1920.

Ser. No. 207,789. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) A. M. KENNEDY & CO., INC., New York, N. Y. Filed Jan. 7, 1925.

KENSOL

Particular description of goods.—Presses for Embossing, Marking, Printing, and Stamping on Leather, Paper, Textiles, and Other Materials Having Relatively Soft Surfaces.
Claims use since about Sept. 10, 1923.

Ser. No. 207,864. (CLASS 37. PAPER AND STATIONERY.) FELIX F. DAUS DUPLICATOR COMPANY, INC., New York, N. Y. Filed Jan. 9, 1925.

DAUS
DUPLIGRAND

No claim is made to the representation of the goods apart from the mark shown on the drawing.
Particular description of goods.—Revolving Duplicators (Gelatin Type).
Claims use since Dec. 1, 1924.

Ser. No. 207,855. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WILLIAM DE GRAAF, New York, N. Y. Filed Jan. 9, 1925.

VEET
TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark shown in the drawing.
Particular description of goods.—Varnish for Finishing and Renewing.
Claims use since Nov. 15, 1924.

Ser. No. 207,886. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JAMES H. REGGIO & COMPANY, Chicago, Ill. Filed Jan. 9, 1925.



No exclusive claim is made to the word "Brand" alone or to the representation of sponges alone.
Particular description of goods.—Sponges and Chamois Skins.
Claims use since about Jan. 1, 1921.

Ser. No. 207,934. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETER A. HORBACK, Cincinnati, Ohio. Filed Jan. 10, 1925.

Hockheimer
HOP



No claim is made to the word "Hop" apart from the mark shown in the drawing.
Particular description of goods.—Hop-Flavored Malt Sirup for Food Purposes.
Claims use since Dec. 15, 1924.

Ser. No. 207,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) C. HARLAND LAWRENCE, Taunton, Mass. Filed Jan. 10, 1925.

Wynmoor

Particular description of goods.—Flannel Piece Goods and Knitted Fabrics Made from Yarn Composed of a Mixture of Wool and Cotton Thrown Together in the Spinning.
Claims use since Dec. 1, 1923.

Ser. No. 207,965. (CLASS 27. HOROLOGICAL INSTRUMENTS.) BUSS-LINTRICUM-THORSON, INC., Chicago, Ill., and New York, N. Y. Filed Jan. 12, 1925.

BLT

Particular description of goods.—Watches.
Claims use since Mar. 28, 1922.

Ser. No. 207,996. (CLASS 39. CLOTHING.) SONIA KATSIS, Chicago, Ill. Filed Jan. 12, 1925.

Sonia

Particular description of goods.—Millinery—Namely, Women's, Misses', and Children's Trimmed and Untrimmed Hats and Bonnets.
Claims use since May, 1918.

Ser. No. 208,007. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAULINE PICKETT, Farmington, Mich. Filed Jan. 12, 1925.

HONEPY

Particular description of goods.—Confection Consisting of a Core of Comb Honey Surrounded by an Edible Coating of Candy.
Claims use since Nov. 1, 1924.

Ser. No. 208,021. (CLASS 15. OILS AND GREASES.) SUN OIL COMPANY, Philadelphia, Pa. Filed Jan. 12, 1925.

CHAT-R-FREE

Particular description of goods.—Lubricating Oil Used to Eliminate the Chatter in Automobiles.
Claims use since Sept. 1, 1924.

Ser. No. 208,068. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HARRY B. REICH, New York, N. Y. Filed Jan. 13, 1925.

CRYING TOWEL

Applicant hereby disclaims the exclusive right to the use of the word "Towel" except as used in connection with the other features shown in the drawing.
Particular description of goods.—Cotton Towels.
Claims use since about June, 1924.

Ser. No. 208,078. (CLASS 39. CLOTHING.) MORRIS SUSSER, New York, N. Y. Filed Jan. 13, 1925.
Trade-Mark consists in the words "Tom Boy".

Tom Boy

Particular description of goods.—Fur Wearing Apparel—viz, Fur Coats, Boas, Collars, and Stoles.
Claims use since Jan. 7, 1925.

Ser. No. 208,079. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TALENS & SON, INC., Irvington, N. J. Filed Jan. 13, 1925.

Talens

Particular description of goods.—Artists' Colors.
Claims use since January, 1916.

Ser. No. 208,088. (CLASS 12. CONSTRUCTION MATERIALS.) THE J. G. WILSON CORPORATION, New York, N. Y. Filed Jan. 13, 1925.

Established 1870 Wilson DOORS PARTITIONS

No claim is made to the words "Doors, Partitions, Blinds, Wardrobes, The J. G. Wilson Corporation New York City" apart from the mark shown on the drawing.
Particular description of goods.—Rolling Steel Doors, Rolling Wood Doors, Horizontal Folding Doors (Steel), Horizontal Folding Doors (Wood), Airkore Fire Doors (Double and Single Swinging Types), Airkore Fire Doors (Double and Single Sliding Types), Venetian Awning Blinds, Diffuselite Blinds, Sectionfold Partitions, Rolling Partitions (Horizontal and Vertical Types), Hygienic Built-in School Wardrobes (Disappearing-Door and Rolling-Front Types.)
Claims use since Nov. 1, 1923.

Ser. No. 208,142. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HYMAN & OPPENHEIM, New York, N. Y. Filed Jan. 15, 1925.

Covabob

Particular description of goods.—Auxiliary Hair Pieces.
Claims use since about Jan. 1, 1925.

Ser. No. 208,220. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BRENDAN CO., Toledo, Ohio. Filed Jan. 17, 1925.

MAN o' WAR

Particular description of goods.—Coffee.
Claims use since Jan. 10, 1925.

Ser. No. 208,248. (CLASS 38. PRINTS AND PUBLICATIONS.) SPENCER KELLOGG, Jr., doing business as The Aries Book Shop, Buffalo, N. Y. Filed Jan. 17, 1925.

ARIES

Particular description of goods.—Periodical Magazines Devoted to the Stimulation of Right Thinking and the Popularization of Good Books.
Claims use since April, 1921.

Ser. No. 208,254. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NUTRASAL LABORATORIES, INCORPORATED, Hoboken, N. J., and New York, N. Y. Filed Jan. 17, 1925.

Nutra-Sal

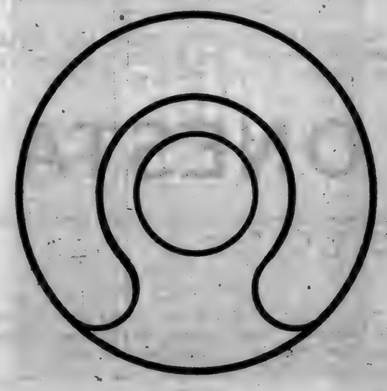
Particular description of goods.—Physiological Salt, a Body-Building Tonic in Powder Form.
Claims use since about Nov. 1, 1924.

Ser. No. 208,265. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THOMAS, LAKE & WESTON, INC., Boston, Mass. Filed Jan. 17, 1925.

LANGFALL TWILLS

No claim is made to the word "Twills" apart from the mark as shown on the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since Dec. 2, 1924.

Ser. No. 208,283. (CLASS 37. PAPER AND STATIONERY.) DENNISON MANUFACTURING COMPANY, Framingham, Mass. Filed Jan. 19, 1925.



No registration rights are claimed for the representation of the reenforcement or "patch."
Particular description of goods.—Blank or Partially-Printed Tags.
Claims use since Jan. 6, 1925.

Ser. No. 208,287. (CLASS 38. PRINTS AND PUBLICATIONS.) DUDLEY T. FISHER, Jr., Columbus, Ohio. Filed Jan. 19, 1925.

JOLLY JINGLES

Particular description of goods.—Series of Cartoons.
Claims use since Aug. 3, 1919.

Ser. No. 208,299. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LACKO SPECIALTY CO., INC., San Francisco, Calif. Filed Jan. 19, 1925.

LILACKO

Trade-mark consists of the mark "Lilacko."
Particular description of goods.—Spray Used for Sterilizing, Disinfecting, Deodorizing, and Destroying Insects.
Claims use since Apr. 1, 1924.

Ser. No. 208,305. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MADEIRA, HILL & COMPANY, Philadelphia, Pa. Filed Jan. 19, 1925.

SUPER COALS

No claim is made to the word "Domestic" apart from the mark shown in the accompanying drawing, and further no claim is made to the word "Coals" and the representation of the coal.

Particular description of goods.—Coal.

Claims use since April, 1924.

Ser. No. 208,312. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Jan. 19, 1925.

ONESTA

Particular description of goods.—Deodorized Vegetable Stearine for Food Purposes.

Claims use since Jan. 9, 1925.

Ser. No. 208,313. (CLASS 38. PRINTS AND PUBLICATIONS.) THE REVIEW OF REVIEWS CORPORATION, New York, N. Y. Filed Jan. 19, 1925.

The Golden Book

Particular description of goods.—Monthly Magazine.

Claims use since Dec. 18, 1924.

Ser. No. 208,357. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) A. S. NOWLIN & COMPANY, Lynchburg, Va. Filed Jan. 20, 1925.

Loco Semi-Smokeless

No claim is made to the words "Semi-Smokeless" apart from the environment in which they are shown in drawing.

Particular description of goods.—Coal.

Claims use since Jan. 9, 1925.

Ser. No. 208,370. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CAREY MEDICAL CORPORATION, Elmira, N. Y. Filed Jan. 20, 1925.



The portrait is that of Dr. Daniel G. Carey, deceased. The autograph is that of Dr. Daniel G. Carey.

Particular description of goods.—Nerve Tablets.

Claims use since 1910.

Ser. No. 208,383. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ANDREW G. COLLIAS, Detroit, Mich. Filed Jan. 21, 1925.

DIAMOND-WHITE

No claim is laid to the word "White" apart from the mark as shown in the drawing. The mark consists of a series of concentric circles inclosing therein a rhomboidal figure supported on a diamond gem, and the words "Diamond-White" thereon.

Particular description of goods.—Shoe Dressing.

Claims use since about Aug. 1, 1924.

Ser. No. 208,386. (CLASS 38. PRINTS AND PUBLICATIONS.) THE DRUG PRODUCTS CO. INC., Long Island City, N. Y. Filed Jan. 21, 1925.

PROGRESSIVE MEDICINE

Particular description of goods.—Publications or Booklets Dealing with the Pharmaceutical Industry, Issued Monthly.

Claims use since December, 1924

Ser. No. 208,394. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. J. GRAVES, doing business as Oak Shadows Farms, San Francisco, Calif. Filed Jan. 21, 1925.

OAK SHADOWS

Particular description of goods.—Fresh Deciduous Fruits, Fresh Grapes, Fresh Citrous Fruits, Melons, and Eggs, and Dressed Poultry.

Claims use since 1914.

Ser. No. 208,395. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JACOB HELLER, doing business as Clo-Fur Manufacturing Co., Baltimore, Md. Filed Jan. 21, 1925.

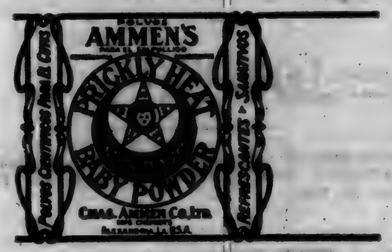
CLO-FUR CLEANER

No claim is made to the right to the exclusive use of the word "Cleaner" apart from the mark as shown on the drawing.

Particular description of goods.—Cleaning Fluid for Clothing, Cloth, and Furs.

Claims use since Nov. 1, 1924.

Ser. No. 208,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES AMMEN COMPANY, LTD., Alexandria, La. Filed Jan. 22, 1925.



No claim is made to the exclusive use of the words and abbreviations "Polvos", "Para El Salpullido", "Refrescantes", "Desodorantes", "Prickly Heat Baby Powder", "Mfg. Chemists", "Alexandria, La., U. S. A.", "Polvos Cientificas Para El Cutis" and "Refrescantes y Sanativos" apart from the mark as shown on the drawing.

Particular description of goods.—Baby Powder.

Claims use since Apr. 15, 1905.

Ser. No. 208,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOSENCE & EATON, Redondo Beach, Calif. Filed Jan. 23, 1925.

SEVEN SEAS

Particular description of goods.—Canned Spiced Fish Meats.

Claims use since Jan. 14, 1925.

Ser. No. 208,533. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRED A. REID, doing business as F. A. Reid Mfg. Co., St. Louis, Mo. Filed Jan. 23, 1925.



The lining of trade-mark drawing indicates the colors blue and red.

Particular description of goods.—Polish for Automobiles, Furniture, and Other Highly-Finished Surfaces.

Claims use since Jan. 17, 1925.

Ser. No. 208,543. (CLASS 39. CLOTHING.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Jan. 23, 1925.

JIFFY

Particular description of goods.—Dress Patterns of Voile and Other Material of Cotton and Silk and Cotton Mixture in the Piece, Showing Dress Patterns Ready to be Cut and When Cut Ready to be Sewed into a Dress Garment.

Claims use since Oct. 20, 1923.

Ser. No. 208,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. T. COTTAM & COMPANY, INC., New Orleans, La. Filed Jan. 24, 1925.

EL TORO

Particular description of goods.—Sirups for Food Purposes.

Claims use since Mar. 10, 1924.

Ser. No. 208,574. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES H. DENT, doing business as Dent Chemical Company, Grand Rapids, Mich. Filed Jan. 24, 1925.



Particular description of goods.—Toilet Waters, Perfumes, and Creams.
Claims use since Mar. 14, 1924.

Ser. No. 208,602. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Jan. 24, 1925.

RIVIERA

Particular description of goods.—Men's Underwear of Knitted or Textile Fabric.
Claims use since Jan. 6, 1925.

Ser. No. 208,604. (CLASS 38. PRINTS AND PUBLICATIONS.) NEWSPAPER ADVERTISER PUBLISHING COMPANY, INC., New York, N. Y. Filed Jan. 24, 1925.

Advertising

The lining of drawing is for shading only.
Particular description of goods.—Name of Publication.
Claims use since Jan. 22, 1925.

Ser. No. 208,613. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SACOL LABORATORY, Brooklyn, N. Y. Filed Jan. 24, 1925.

SACOL
K-9

Particular description of goods.—Condition and Tonic Tablets for Dogs.
Claims use since November, 1923.

Ser. No. 208,627. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHEAT'S ICE CREAM COMPANY, Buffalo, N. Y. Filed Jan. 24, 1925.



The representation of the goods does not form a part of the mark sought to be registered apart from the mark shown in drawing.
Particular description of goods.—Ice Cream.
Claims use since Nov. 10, 1924.

Ser. No. 208,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHALLENGE CREAM AND BUTTER ASSOCIATION, Los Angeles, Calif. Filed Jan. 26, 1925.

ALRITE

Particular description of goods.—Eggs.
Claims use since Oct. 1, 1924.

Ser. No. 208,656. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUIS J. HENNESSEY, Atlanta, Ga. Filed Jan. 26, 1925.

SOUTHERN HOTEL REPORTER

Trade-mark "Southern Hotel Reporter."
Particular description of goods.—Monthly Magazine.
Claims use since Sept. 20, 1920.

Ser. No. 208,675. (CLASS 39. CLOTHING.) PHILADELPHIA HOSIERY MILLS, Philadelphia, Tenn. Filed Jan. 26, 1925.



The drawing is lined to show color, the border around the mark and the border around the circle being lined for green, the background generally being lined for black, the rose red, and the foliage green.
Particular description of goods.—Hosiery.
Claims use since Jan. 5, 1925.

Ser. No. 208,772. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SIMON S. NELSON, doing business as The Nelson Company, Hartford, Conn. Filed Jan. 28, 1925.

NOVODINE

Particular description of goods.—Ointment for the Relief of Neuritis, Neuralgia, Sciatica, Lumbago, Rheumatism, Rheumatic Pains, Swollen Glands and Joints, Sore, Tired, and Aching Feet, and Similar Ailments.
Claims use since November, 1923.

Ser. No. 208,774. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE E. T. PEARSON CORPORATION, New York, N. Y. Filed Jan. 28, 1925.

EDESTOL

Particular description of goods.—Protein Product which Promotes Mammary Activity in Nursing Mothers.
Claims use since Dec. 31, 1924.

Ser. No. 208,777. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRECISE INSTRUMENT COMPANY, Brooklyn, N. Y. Filed Jan. 28, 1925.

GOLDBOND

Particular description of goods.—Transformers.
Claims use since Dec. 1, 1924.

Ser. No. 208,784. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANDARD RADIO CORPORATION, Chicago, Ill. Filed Jan. 28, 1925.

SRACO

Particular description of goods.—Radio Products, Apparatus, and Appliances.
Claims use since Mar. 1, 1923.

Ser. No. 208,796. (CLASS 17. TOBACCO PRODUCTS.) WALTER PERCY DANFORTH, Augusta, Ga. Filed Jan. 29, 1925.



The picture of a woman is fanciful and not a portrait of a living person.
Particular description of goods.—Cigars.
Claims use since Aug. 14, 1920.

Ser. No. 208,819. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Jan. 29, 1925.

HOLLYWOOD

Particular description of goods.—Men's Neckwear—Namely, Neckties, Scarfs, and Cravats.
Claims use since Jan. 19, 1925.

Ser. No. 208,823. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. N. POTTER & SONS, Greenfield, Mass. Filed Jan. 29, 1925.

Plymrok

Particular description of goods.—Grass Seed, in Particular Timothy, Redtop, Red Clover, Alsike, and Lawn Seed.
Claims use since Oct. 1, 1923.

Ser. No. 208,824. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) W. N. POTTER & SONS, Greenfield, Mass. Filed Jan. 29, 1925.

Maflower

Trade-mark consists in the word "Maflower."
Particular description of goods.—Grass Seed, in Particular Timothy, Redtop, Red Clover, and Alsike.
Claims use since Oct. 1, 1923.

Ser. No. 206,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REPUBLIC INTERNATIONAL CORPORATION, Port Washington, N. Y. Filed Jan. 29, 1925.

GOLD SALINOL CREAM

Applicant disclaimed the word "Cream" except in the association shown.

Particular description of goods.—Medicinal Ointment Indicated in Seborrhea Capitis, Seborrheic and Other Irritations and Inflammations of the Skin.

Claims use since Dec. 29, 1924.

Ser. No. 206,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. STANDISH, Washington, D. C. Filed Jan. 29, 1925.

PYORROUT

Particular description of goods.—Preparation for the Treatment and Relief of Pyorrhea and Kindred Diseases.

Claims use since Mar. 31, 1923.

Ser. No. 206,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY BALLER, doing business as Ray Manufacturing Company, New York, N. Y. Filed Jan. 30, 1925.

RAMACO

Particular description of goods.—Cosmetics; Toilet and Dermatological Preparations—Namely, Toilet Creams, Medicated Cream for the Skin, Skin Balm, Astringent Lotion, Benzoin Lotion, Mud Pack, Bleach Pack, Face Powder, Liquid Face Powder, Skin Whiteners, Toilet Water, Perfume, Depilatory Wax, Deodorants, Hair Tonic, Scalp Ointment, Sulphur Salve, Tar Salve for Dandruff, Shampoos, Henna Rinse, Coconut Oil for Shampoos, Henna Preparations, Hair-Curling Fluid, Brilliantine, Lip Sticks, Eyebrow Pencils, Rouge and Rouge Compacts, Astringent Benzoin, Oil for Treatment of the Hair, Nail Polish, Nail White, Nail Powder, Nail Tint, and Nail Cuticle Preparations.

Claims use since about 1910.

Ser. No. 206,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATEE CHEMICAL COMPANY, Brooklyn, N. Y. Filed Jan. 30, 1925.

Javol TRADE MARK

No claim is made to the use of the word "Trade-Mark" except in conjunction with the other elements of the mark.

Particular description of goods.—Moth Repellent Compounds for the Treatment of Textile Fabrics.

Claims use since Nov. 1, 1924.

Ser. No. 206,871. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROURE-BERTRAND FILS, INC., New York, N. Y. Filed Jan. 30, 1925.

PRIMABSOLUE

Particular description of goods.—Concentrated Natural Flower Oils, Concentrated Natural Flower Essences, and Concentrated Natural Flower Extracts.

Claims use since May 4, 1923.

Ser. No. 206,877. (CLASS 15. OILS AND GREASES.) SKELLY OIL COMPANY, Tulsa, Okla. Filed Jan. 30, 1925.

SKELLY

In the accompanying drawing the color red is indicated on the perimeter strip.

Particular description of goods.—Natural Gasoline, Motor Gasoline, Kerosene, Distillate, Gas Oil, Road Oil, Fuel Oil, Engine Oil, Industrial Lubricants, Lubricating Greases, Automobile Lubricants, and Penetrating Oil.

Claims use since Dec. 31, 1923.

Ser. No. 206,878. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOUTHERN COAL & COKE COMPANY, Boothton, Ala. Filed Jan. 30, 1925.

CLIMAX COAL

No claim is made to the word "Coal" apart from the mark as shown.

Particular description of goods.—Coal.

Claims use since about 1897.

Ser. No. 206,885. (CLASS 39. CLOTHING.) SAMUEL YATTER CO., Chicago, Ill. Filed Jan. 30, 1925.

Yatter CLOTHES CHICAGO

The words "Clothes" and "Chicago" appearing on the drawing are disclaimed apart from the mark shown.

Particular description of goods.—Men's, Youths', and Boys' Suits, Overcoats, Trousers, and Raincoats.

Claims use since Dec. 1, 1922.

Ser. No. 206,900. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DELCLAIR PRODUCTS CORPORATION OF CALIFORNIA, San Francisco, Calif. Filed Jan. 31, 1925.

DELO

Particular description of goods.—Soap.

Claims use since Jan. 5, 1924.

Ser. No. 206,906. (CLASS 39. CLOTHING.) HOLTITE MANUFACTURING CO., Baltimore, Md. Filed Jan. 31, 1925.

HOLTITE

Particular description of goods.—Rubber Heels and Soles for Shoes.

Claims use since Oct. 4, 1921.

Ser. No. 206,947. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. C. ATKINS & COMPANY, Indianapolis, Ind. Filed Feb. 2, 1925.

FERROLITE

Particular description of goods.—Unmounted Abrasive Wheels Formed of Artificial Abrasive Material, Such as is the Product of an Electric Furnace.

Claims use since 1918.

Ser. No. 206,959. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CRESCENT STOVE WORKS, Evansville, Ind. Filed Feb. 2, 1925.

SUNOLA

Particular description of goods.—Heating Stoves Which Use Artificial or Natural Gas, Coal, or Wood as a Fuel.

Claims use since Jan. 2, 1925.

Ser. No. 206,993. (CLASS 39. CLOTHING.) CLARE J. NADHERNY, Chicago, Ill. Filed Feb. 2, 1925.

Icy-Mitt

No claim is made herein to an exclusive right to the word "Mitt."

Particular description of goods.—Over Mittens of Fabric.

Claims use since Jan. 22, 1925.

Ser. No. 208,998. (CLASS 32. GLASSWARE.) REFLECTOR & ILLUMINATING CO., Chicago, Ill. Filed Feb. 2, 1925.



The line in the drawing indicates a red coloring.
Particular description of goods.—Reflectors Made of Glass.
Claims use since Nov. 3, 1924.

Ser. No. 209,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOPHIE L. DOMMINEY, Brooklyn, N. Y. Filed Feb. 3, 1925.

Chocolate Indians

Trade-mark consists of the words "Chocolate Indians."
Particular description of goods.—Cake.
Claims use since Jan. 24, 1925.

Ser. No. 209,028. (CLASS 39. CLOTHING.) FASHION WEAR HOSIERY COMPANY, Cincinnati, Ohio. Filed Feb. 3, 1925.

FASHION WEAR

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since Oct. 15, 1924.

Ser. No. 209,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MARYLAND DAIRY, Baltimore, Md. Filed Feb. 3, 1925.

FEED-O-LAC

Particular description of goods.—Poultry and Stock Feeding Food.
Claims use since Jan. 15, 1925.

Ser. No. 209,077. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CROSLEY MANUFACTURING COMPANY, Cincinnati, Ohio. Filed Feb. 4, 1925.

TRIRDYN

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Jan. 1, 1924.

Ser. No. 209,078. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE CROSSWORDO COMPANY, Washington, D. C. Filed Feb. 4, 1925.

CROSWORDO

Particular description of goods.—Cross-Word-Puzzle Game.
Claims use since Feb. 4, 1922.

Ser. No. 209,083. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) JOSEPH GOLDSMITH, Jr., doing business as Goldsmith Manufacturing Co., Providence, R. I. Filed Feb. 4, 1925.

SENTRY

Particular description of goods.—Shoe-Trees.
Claims use since September, 1924.

Ser. No. 209,090. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KOHLENITE PRODUCTS CO., INC., New York, N. Y. Filed Feb. 4, 1925.

KOHLENITE

Particular description of goods.—Brushes for Motors and Dynamos.
Claims use since about Jan. 1, 1922.

Ser. No. 209,099. (CLASS 12. CONSTRUCTION MATERIALS.) NEUHAUS-KUOCH CHEMICAL CORPORATION, Buffalo, N. Y. Filed Feb. 4, 1925.

BASOLIT

Particular description of goods.—Acid-Proof Cement for Building Purposes.
Claims use since on or about Dec. 1, 1924.

Ser. No. 209,100. (CLASS 12. CONSTRUCTION MATERIALS.) NEUHAUS-KUOCH CHEMICAL CORPORATION, Buffalo, N. Y. Filed Feb. 4, 1925.

SOLUS

Particular description of goods.—Acid-Proof Cement for Building Purposes.
Claims use since on or about Dec. 1, 1924.

Ser. No. 209,106. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RAMSTONE CORPORATION, New York, N. Y. Filed Feb. 4, 1925.

Ramstone

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Oct. 16, 1924.

Ser. No. 209,107. (CLASS 17. TOBACCO PRODUCTS.) REED TOBACCO COMPANY, Richmond, Va. Filed Feb. 4, 1925.



No claim is made to the exclusive use of the words "High Grade Cigarettes" apart from the mark shown on the drawing.
Particular description of goods.—Cigarettes.
Claims use since about June, 1923.

Ser. No. 209,116. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ABBEY-ROSS CORPORATION, New York, N. Y. Filed Feb. 5, 1925.

TWELVERB

Particular description of goods.—Medicinal Preparation for Disorders of the Stomach, Liver, Blood, and Kidneys and Medicinal Digestive Preparations.
Claims use since Jan. 8, 1925.

Ser. No. 209,132. (CLASS 39. CLOTHING.) MANHATTAN KNITTING MILLS, New York, N. Y. Filed Feb. 5, 1925.

SIREN SWIMMING SUITS

No claim is made to the words "Swimming Suits" apart from the mark shown in the drawing.
Particular description of goods.—Men's, Women's and Children's Swimming Suits.
Claims use since Jan. 5, 1925.

Ser. No. 209,137. (CLASS 28. PRINTS AND PUBLICATIONS.) RAY ANDREW CARLSON, Chicago, Ill. Filed Feb. 5, 1925.

RAY ANDREW CARLSON
ADVERTISING On a Merit System

Applicant disclaims exclusive right to the expression "Advertising on a Merit System" apart from the other features of the mark shown in the drawing.
Particular description of goods.—Periodical Publications.
Claims use since Feb. 20, 1924.

Ser. No. 209,173. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORD, NAYLOR, INC., New York, N. Y. Filed Feb. 6, 1925.

TATTERSALL

Particular description of goods.—Wool Cloth for Suits, Overcoats, and Wearing Apparel.
Claims use since Dec. 15, 1924.

Ser. No. 209,180. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SHARPLES SPECIALTY CO., Philadelphia, Pa. Filed Feb. 6, 1925.

-PRESURTITE-

Particular description of goods.—Centrifugal Machines.
Claims use since July 26, 1924.

Ser. No. 209,186. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Feb. 6, 1925.

Junior

Particular description of goods.—Manicure Sets.
Claims use since January, 1925.

Ser. No. 209,194. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AUTOMETAL CORPORATION, Niagara Falls, N. Y. Filed Feb. 7, 1925.

ARAGAIN

Particular description of goods.—Complete Radio Receiving Sets and Parts Thereof.
Claims use since Mar. 11, 1924.

Ser. No. 209,200. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) DAVID CAPLAN CO., Boston, Mass. Filed Feb. 7, 1925.

Mayflower

Particular description of goods.—Bias-Fold Tape.
Claims use since on or about Jan. 1, 1924.

Ser. No. 209,203. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CRANDALL PACKING COMPANY, Palmyra, N. Y. Filed Feb. 7, 1925.

REX

Particular description of goods.—Gauge Glasses.
Claims use since 1911.

Ser. No. 209,214. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE B. C. HARLEY COMPANY, Dayton, Ohio. Filed Feb. 7, 1925.

CEROLA

Particular description of goods.—Shoe Gloss.
Claims use since Mar. 1, 1924.

Ser. No. 209,217. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Feb. 7, 1925.

PUFF-MOR

Particular description of goods.—Oleomargarine.
Claims use since Jan. 10, 1925.

Ser. No. 209,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Feb. 7, 1925.

Spring-bok

Particular description of goods.—Oleomargarine.
Claims use since Nov. 25, 1914.

Ser. No. 209,222. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KALLE AND COMPANY, AKTIENGESELLSCHAFT, Biebrich on the Rhine, Germany. Filed Feb. 7, 1925.

K

Particular description of goods.—Chemical Cleansing Agent in Liquid Form for Cleaning Fabrics and Clothes.
Claims use since Oct. 22, 1923.

Ser. No. 209,233. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SIGMUND NEWMAN, doing business as The Radio Constructor, New York, N. Y. Filed Feb. 7, 1925.

"Double-Kwik"

Particular description of goods.—Kits Containing Flexible Wires Having Terminal Lugs at Each End and Templates and Instructions for Building Radio Sets.
Claims use since Nov. 1, 1924.

Ser. No. 209,256. (CLASS 39. CLOTHING.) U-PROFIT MANUFACTURING CO. INC., New York, N. Y. Filed Feb. 7, 1925.

COUNTRY CLUB

Particular description of goods.—Men's Caps and Hats.
Claims use since about Dec. 8, 1924.

Ser. No. 209,259. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY M. WILLIAMSON, Denver, Colo. Filed Feb. 7, 1925.

CLEARO DERMIS
(CLEAR SKIN)

No claim is made to the exclusive use of the words "Clear Skin."
Particular description of goods.—Facial Creams.
Claims use since Jan. 29, 1925.

Ser. No. 209,304. (CLASS 2. RECEPTACLES.) SAMUEL LEWIS, New York, N. Y. Filed Feb. 9, 1925. Trade-Mark consists in the word "Femino".

FEMINO

Particular description of goods.—Sanitary Can for Soiled Clothes.
Claims use since Dec. 15, 1924.

Ser. No. 209,306. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MONOMAC SPINNING COMPANY, Boston, Mass. Filed Feb. 9, 1925.

MONOGLOS

Particular description of goods.—Fabrics Made of Yarns of Wool and Silk.
Claims use since February, 1924.

Ser. No. 209,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BRANSKY & HARRIS, doing business as The B & H Pharmacal Company, Norfolk, Va., and Chicago, Ill. Filed Feb. 10, 1925.

MenthoMulsion
coughs, colds, bronchitis

The words "Coughs, Colds, Bronchitis" being descriptive are disclaimed in this statement.
Particular description of goods.—Medicine Used for Coughs, Colds, Bronchitis, Hoarseness, and Relief of Coughs in General.
Claims use since Aug. 1, 1924.

Ser. No. 209,331. (CLASS 2. RECEPTACLES.) COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y. Filed Feb. 10, 1925.

WHITE KID

Particular description of goods.—Paper Bags.
Claims use since 1911.

Ser. No. 209,333. (CLASS 2. RECEPTACLES.) COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y. Filed Feb. 10, 1925.

JEWEL

Particular description of goods.—Paper Bags.
Claims use since 1910.

Ser. No. 209,334. (CLASS 2. RECEPTACLES.) COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y. Filed Feb. 10, 1925.

INVINCIBLE

Particular description of goods.—Paper Bags.
Claims use since 1901.

Ser. No. 209,339. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN FIRTH, New York, N. Y. Filed Feb. 10, 1925.

"Perfecto"

Particular description of goods.—Soldering Fluid.
Claims use since May 23, 1924.

Ser. No. 209,341. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GALION IRON WORKS & MFG. CO., Galion, Ohio. Filed Feb. 10, 1925.

E-Z Lift

Particular description of goods.—Road Graders.
Claims use since Jan. 20, 1925.

Ser. No. 209,385. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y. Filed Feb. 11, 1925.



"ZYLONITE"

Particular description of goods.—Collar Buttons Made of Compounds of Pyroxylin.
Claims use since 1890.

Ser. No. 209,390. (CLASS 32. FURNITURE AND UPHOLSTERY.) CHAS. EMMERICH & CO., Chicago, Ill. Filed Feb. 11, 1925.

1858

Particular description of goods.—Pillows.
Claims use since Jan. 1, 1925.

Ser. No. 209,394. (CLASS 15. OILS AND GREASES.) GALENA MANUFACTURING COMPANY, Galena, Ill. Filed Feb. 11, 1925.

STICKTITE

Particular description of goods.—Axle, Gear, and Cable Grease.
Claims use since July 11, 1923.

Ser. No. 209,461. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CLARK TRUCTRACTOR COMPANY, Buchanan, Mich. Filed Feb. 12, 1925.

DUAT

Trade-mark consists of the word "Duat."
Particular description of goods.—Tractors.
Claims use since Feb. 1, 1924.

Ser. No. 209,478. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RICHARD HUDNUT, New York, N. Y. Filed Feb. 12, 1925.

LE DEBUT

Particular description of goods.—Soap.
Claims use since Jan. 22, 1925.

Ser. No. 209,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOS ANGELES BARBER SUPPLY CO. INC., Los Angeles, Calif. Filed Feb. 12, 1925.

BARBERS LOS ANGELES SUPPLY CO.

Particular description of goods.—Toilet Water, Scalp Pomade, Peroxide of Hydrogen, Shampoo, Bay Rum, Massage Cream, Hair Tonic, Skin Cream, and Hair Oil.
Claims use since 1912.

Ser. No. 209,489. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NELSINE CHEMICAL CO., Chicago, Ill. Filed Feb. 12, 1925.

Nelsine

Particular description of goods.—Hair Color Restorer.
Claims use since Dec. 15, 1924.

Ser. No. 209,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB SUNSHINE, doing business as Preventosan Laboratories, New York, N. Y. Filed Feb. 12, 1925.

Preventosan

Particular description of goods.—Preventives for Venereal Diseases.
Claims use since about Jan. 1, 1925.

Ser. No. 209,508. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) TWINKO MANUFACTURING COMPANY, INC., Monrovia, Calif. Filed Feb. 12, 1925.

NAVAKO

Particular description of goods.—Brooms.
Claims use since July 1, 1924.

Ser. No. 209,513. (CLASS 39. CLOTHING.) WEISS & ZAHLER, New York, N. Y. Filed Feb. 12, 1925.



Loch Laggen

Particular description of goods.—Mufflers.
Claims use since Feb. 5, 1925.

Ser. No. 209,529. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. H. CLARK, Philadelphia, Pa. Filed Feb. 13, 1925.

BENZOINA

Particular description of goods.—Skin Lotions.
Claims use since 1875.

Ser. No. 209,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWIN B. DOUGLAS, Chicago, Ill. Filed Feb. 14, 1925.

FORMEX

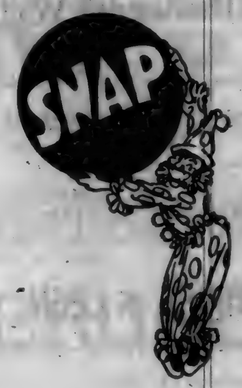
Trade-mark consists in the word "Formex."
Particular description of goods.—Antiseptic, Astringent, and Deodorizing Solutions for the Mouth and Throat.
Claims use since Jan. 15, 1925.

Ser. No. 209,598. (CLASS 15. OILS AND GREASES.) THE TIONA OIL COMPANY OF MARYLAND, INC., Baltimore, Md. Filed Feb. 14, 1925.

(IL)INE

Particular description of goods.—Lubricating Oils and Greases.
Claims use since 1917.

Ser. No. 209,613. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BLACK-IRON STOVE POLISH CO., Lawrence, Mass. Filed Feb. 16, 1925.



Particular description of goods.—Stove Polishes and Metal Polishes.
Claims use since Mar. 1, 1923.

Ser. No. 209,614. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BLAESSER & ESHLEMAN, Paullina, Iowa. Filed Feb. 16, 1925.

B. & E.

Particular description of goods.—Lotion for the Hands and Face.
Claims use since Nov. 1, 1916.

Ser. No. 209,634. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Feb. 16, 1925.

Florenta

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 209,647. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL STORAGE BATTERY CO., St. Louis, Mo. Filed Feb. 16, 1925.

General
Iron Clad Guarantee
Storage
Battery

The words "Iron Clad Guarantee" and "Storage Battery" do not form a part of the registration sought apart from the mark shown in the drawing.
Particular description of goods.—Automobile Storage Batteries and Radio Storage Batteries.
Claims use since May 29, 1914, on automobile storage batteries and since Dec. 16, 1914, on radio storage batteries.

Ser. No. 209,657. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1925.

TRU-WHITE

Particular description of goods.—Washing Powder.
Claims use since Feb. 2, 1925.

Ser. No. 209,679. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) NATIONAL BROOM MANUFACTURING CO., Pueblo, Colo. Filed Feb. 16, 1925.

PURE GOLD

Particular description of goods.—Brooms.
Claims use since Jan. 1, 1918.

Ser. No. 209,708. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STERLING CHOCOLATE CO., INC., Brooklyn, N. Y. Filed Feb. 16, 1925.

FILBITS

Particular description of goods.—Candy.
Claims use since Oct. 15, 1923.

Ser. No. 209,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STRAUSS BROS. & Co., New York, N. Y. Filed Feb. 16, 1925.

L'ABBAYE

Particular description of goods.—Handkerchiefs.
Claims use since about Aug. 5, 1924.

Ser. No. 209,715. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SOCIÉTÉ WORTH, Paris, France. Filed Feb. 16, 1925.



Particular description of goods.—Soaps.
Claims use since Oct. 7, 1924.

Ser. No. 209,716. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AMERICAN TOY & NOVELTY WORKS, INC., York, Pa. Filed Feb. 17, 1925.

Snow King

Particular description of goods.—Children's Sleds.
Claims use since Nov. 1, 1912.

Ser. No. 209,733. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LOTUS BUD COMPANY, INC., New York, N. Y. Filed Feb. 17, 1925.

FOR

Particular description of goods.—Soap in Paste or Liquid Form.
Claims use since Feb. 9, 1925.

Ser. No. 209,736. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARYON DE FOE, INC., New York, N. Y. Filed Feb. 17, 1925.

FLEUR DE PASSION

Particular description of goods.—Perfumes and Toilet Waters.
Claims use since about Feb. 9, 1925.

Ser. No. 209,739. (CLASS 39. CLOTHING.) JAMES MCCUTCHEON & BROTHER, New York, N. Y. Filed Feb. 17, 1925.

SANDAL CREPE

No claim is made to the exclusive use of the word "Crepe" apart from the mark as shown in the drawing
Trade-mark consists of the words "Sandal Crepe."
Particular description of goods.—Neckties.
Claims use since Jan. 15, 1925.

Ser. No. 209,740. (CLASS 39. CLOTHING.) JAMES MCCUTCHEON & BROTHER, New York, N. Y. Filed Feb. 17, 1925.

INLAY CLOTH

Trade-mark consists of the words "Inlay Cloth," no claim being made to the exclusive use of the word "Cloth" apart from the mark as shown in the drawing.
Particular description of goods.—Neckties.
Claims use since Jan. 15, 1925.

Ser. No. 209,754. (CLASS 39. CLOTHING.) SHERR BROS., New York, N. Y. Filed Feb. 17, 1925.

Over The Garden Wall

Trade-mark consists of the words "Over the Garden Wall."
Particular description of goods.—Dresses and Frocks.
Claims use since Feb. 3, 1925.

Ser. No. 209,762. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERIC C. AUBREY, Albany, N. Y. Filed Feb. 18, 1925.

DENTURE KLEEN

Particular description of goods.—Preparation for Cleaning Teeth.
Claims use since Aug. 15, 1924.

Ser. No. 209,767. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA MARY BLAKE, doing business as Healoderm Laboratories, Fayetteville, N. C. Filed Feb. 18, 1925.

HEALODERM

Particular description of goods.—Face Powders, Face Creams, Rouges, Toilet Waters, Perfumes, Hair Tonics, Hair Oils, Hair Removers, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Sachet Powders, Talcum Powders, and Antiseptics.
Claims use since Jan. 31, 1925.

Ser. No. 209,781. (CLASS 39. CLOTHING.) NATHAN FRANKELAU, doing business as Leon Milly Shop, New York, N. Y. Filed Feb. 18, 1925.



Particular description of goods.—Ladies' and Misses' Hats.
Claims use since 1916.

Ser. No. 209,786. (CLASS 2. RECEPTACLES.) GRAVER CORPORATION, East Chicago, Ind. Filed Feb. 18, 1925.

RI-OW

Particular description of goods.—Steel Tanks.
Claims use since June 1, 1924.

Ser. No. 209,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUARANTEED PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 18, 1925.

BRUNEX

Particular description of goods.—Shampoo.
Claims use since September, 1924.

Ser. No. 209,790. (CLASS 39. CLOTHING.) MANHATTAN KNITTING MILLS, New York, N. Y. Filed Feb. 18, 1925.

Van Hattan

Particular description of goods.—Sweaters of All Kinds.
Claims use since Jan. 15, 1925.

Ser. No. 209,809. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PATHE CHEMICAL COMPANY, Brooklyn, N. Y. Filed Feb. 18, 1925.

LANOL

Particular description of goods.—Moth-Repellent Compounds for the Treatment of Textile Fabrics.
Claims use since Nov. 1, 1924.

Ser. No. 209,810. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM PHLEG, doing business as Make-Ur-Own Mfg. Company, Beacon, N. Y. Filed Feb. 18, 1925.



Particular description of goods.—Cross-Word-Puzzle Games.
Claims use since Jan. 20, 1925.

Ser. No. 209,812. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Feb. 18, 1925.

PYROCOL

Particular description of goods.—Coloring for Meat Food Products.
Claims use since Dec. 31, 1910.

Ser. No. 209,820. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE ERNEST J. SULTAN MANUFACTURING CO., San Francisco, Calif. Filed Feb. 18, 1925.

Sultan

Particular description of goods.—Convertible and Stationary Davenports, Chesterfields, Chairs, Tables, Rockers, Stools, Tabarets, and Day Beds.
Claims use since Jan. 1, 1913.

Ser. No. 209,827. (CLASS 2. RECEPTACLES.) THOMAS ADAMS, Barberton, Ohio. Filed Feb. 19, 1925.

Sani-Cone

Particular description of goods.—Cone Dispensers.
Claims use since Feb. 14, 1925.

Ser. No. 209,842. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GREAT WESTERN PRODUCTS CO., Santa Cruz, Calif. Filed Feb. 19, 1925.

WHITE TEMPLE

Particular description of goods.—Washing Powder.
Claims use since Dec. 1, 1924.

Ser. No. 209,866. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. H. OPPENHEIMER & CO., INC., New York, N. Y. Filed Feb. 19, 1925.

SPEEDEEMAID

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 22, 1924.

Ser. No. 209,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEIN AND BLAINE, New York, N. Y. Filed Feb. 19, 1925.



Particular description of goods.—Perfumes.
Claims use since Jan. 15, 1925.

Ser. No. 209,892. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN BROOM AND BRUSH CO., Amsterdam, N. Y. Filed Feb. 20, 1925.

DE LUXE

Particular description of goods.—Brooms.
Claims use since about Jan. 1, 1910.

Ser. No. 209,910. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOLD DUST CORPORATION, Jersey City, N. J. Filed Feb. 20, 1925. Under ten-year proviso.



The lining upon the drawing is intended to denote the color yellow.
Particular description of goods.—Washing Powders.
Claims use since June 5, 1887.

Ser. No. 209,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUILMONT & PETERS, Chicago, Ill. Filed Feb. 20, 1925.

HENALINE

Particular description of goods.—Chemical Compound Used as a Tint for the Hair.
Claims use since Jan. 2, 1920.

Ser. No. 209,941. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DOMINIC ROMANO, doing business as New Utrecht Specialty Co., Brooklyn, N. Y. Filed Feb. 20, 1925.

NUSCO

Particular description of goods.—Preparation for Polishing Windows, Tile Walls, Glass, Porcelain, Show Cases, and Other Articles.
Claims use since Feb. 14, 1925.

Ser. No. 209,973. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BUTLER BROTHERS, Chicago, Ill. Filed Feb. 21, 1925.

GOLD SEAL

Particular description of goods.—Handkerchiefs.
Claims use since Jan. 2, 1925.

Ser. No. 209,988. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HUNTINGTON LABORATORIES, INC., Huntington, Ind. Filed Feb. 21, 1925.

AUTO-SAN

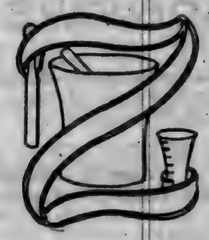
Particular description of goods.—Soap.
Claims use since Aug. 2, 1925.

Ser. No. 210,013. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAL-ORIS CHEMICAL CO., Minneapolis, Minn. Filed Feb. 21, 1925.

SAL-ORIS

Particular description of goods.—Powder Mouth Wash.
Claims use since Mar. 1, 1922.

Ser. No. 210,015. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. F. SIMMONS MEDICINE CO. INCORPORATED, St. Louis, Mo. Filed Feb. 21, 1925.



The mark is printed in red, this color being an essential feature of the mark.
Particular description of goods.—Preparations for the Treatment of Diseases of the Liver.
Claims use since 1868.

Ser. No. 210,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. F. SIMMONS MEDICINE CO. INCORPORATED, St. Louis, Mo. Filed Feb. 21, 1925. Under ten-year proviso.

SIMMONS

Particular description of goods.—Preparations for the Treatment of Diseases of the Liver.
Claims use since prior to 1868.

Ser. No. 210,022. (CLASS 6. CHEMICALS MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TEXTILE FINISHING PRODUCTS, INC., Bayleeville, R. I. Filed Feb. 21, 1925.

SAGAM

Particular description of goods.—Preparations for the Softening of the Fiber of Textile Fabrics.
Claims use since Nov. 1, 1924.

Ser. No. 210,110. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN DOUCIL COMPANY, Philadelphia, Pa. Filed Feb. 25, 1925.

Doucil

Particular description of goods.—Double Silicate of Sodium and Aluminum.
Claims use since Jan. 30, 1925.

Ser. No. 210,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORANA INCORPORATED, New York, N. Y. Filed Feb. 25, 1925.

Boucaine

Particular description of goods.—Aromatic Compounds Suitable for Perfumery Purposes.
Claims use since Feb. 13, 1925.

Ser. No. 210,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed Feb. 25, 1925.

Nervatone

Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in Nervous Disorders.
Claims use since Nov. 1, 1924.

Ser. No. 210,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed Feb. 25, 1925.

Capuno

Particular description of goods.—Hair Tonic.
Claims use since Nov. 1, 1924.

Ser. No. 210,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed Feb. 25, 1925.

Renatone

Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in Nervous Disorders.
Claims use since Nov. 1, 1924.

Ser. No. 210,157. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRED I. BEMIS, doing business as Bemis Drug Co., North Abington, Mass. Filed Feb. 26, 1925.

TUSMUL

The lining on the drawing represents shading only.
Particular description of goods.—Medicine for Coughs, Colds, Whooping Cough, and Lung Diseases That are Not Incurable.
Claims use since Sept. 1, 1924.

Ser. No. 210,172. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Feb. 26, 1925.

Velvytte.

Particular description of goods.—Dress Shields.
Claims use since July, 1895.

Ser. No. 210,173. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Feb. 26, 1925.

FEATHERETTE

Particular description of goods.—Dress Shields.
Claims use since February, 1895.

Ser. No. 210,180. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH NATHAN & COMPANY, LIMITED, London, England. Filed Feb. 26, 1925.

OSTELIN

Particular description of goods.—Extract of Cod-Liver Oil.
Claims use since Apr. 1, 1924.

Ser. No. 210,216. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Feb. 27, 1925.

Super Six

Particular description of goods.—Men's Shoes Made Wholly or in Part of Leather.
Claims use since Apr. 1, 1924.

Ser. No. 210,262. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) YVETTE CO., New York, N. Y. Filed Feb. 27, 1925.

BOBWAVE

Particular description of goods.—Hair Goods—Namely, Hair Pieces Worn by Women and Girls.
Claims use since Dec. 12, 1924.

Ser. No. 210,312. (CLASS 39. CLOTHING.) PERFOLASTIC, INC., New York, N. Y. Filed Feb. 28, 1925.

PERFOIASTIC

Particular description of goods.—Elastic Girdle Made Chiefly of Rubber and Cloth.
Claims use since about Dec. 1, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 7, 1925.

196,974. GASOLINE AND BENZINE. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed August 7, 1924. Serial No. 201,099. PUBLISHED JANUARY 13, 1925.

196,975. CANNED FOOD PRODUCTS—VIZ, CORN, TOMATOES, PEAS, AND EVAPORATED MILK. C. S. WYATT, Wichita Falls, Tex.
Filed August 15, 1924. Serial No. 201,477. PUBLISHED JANUARY 20, 1925.

196,976. SALAD DRESSING—NAMELY, MAYONNAISE, THOUSAND ISLAND DRESSING, TARTAR SAUCE, AND FRENCH DRESSING, AND SANDWICH SPREAD—NAMELY, OLIVE SPREAD. HERMAN A. BREITHAUPT, Des Moines, Iowa.
Filed August 18, 1924. Serial No. 201,534. PUBLISHED JANUARY 20, 1925.

196,977. TRIMMED HATS FOR WOMEN AND CHILDREN. OGUS, RABINOVICH AND OGUS, INC., New York, N. Y.
Filed August 20, 1924. Serial No. 201,676. PUBLISHED JANUARY 13, 1925.

196,978. CANNED FRUITS, CANNED VEGETABLES, COFFEE, TEA, TABLE SIRUP, CANDIES, PICKLES, FRUIT PRESERVES AND JELLIES, AND BREAKFAST COCOA. THE WEIDEMAN COMPANY, INC., Cleveland, Ohio.
Filed August 25, 1924. Serial No. 201,868. PUBLISHED JANUARY 20, 1925.

196,979. TEXTILE FABRIC MADE OF SILK AND COTTON. BERT LEVI & CO. INC., New York, N. Y.
Filed August 28, 1924. Serial No. 201,966. PUBLISHED NOVEMBER 25, 1924.

196,980. SHINGLES AND ROOFING MATERIAL. THE CHATFIELD MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed August 29, 1924. Serial No. 202,003. PUBLISHED DECEMBER 23, 1924.

196,981. CANNED VEGETABLES—NAMELY, CORN, PEAS, SUCCOTASH, REFUGEE BEANS, LIMA BEANS, WAX BEANS, ASPARAGUS, SQUASH, SPINACH, BEETS, TOMATOES, PUMPKIN; COFFEE, EVAPORATED MILK, TOMATO CATCHUP, OLIVES, FRUIT PRESERVES; CANNED FRUITS—NAMELY, PEARS, CHERRIES, PINEAPPLE, PEACHES; CANNED FISH—NAMELY, TUNNY, SHRIMP, SALMON, LOBSTER; RICE, TAPIOCA, MACARONI, SPAGHETTI, AND NOODLES. WEIDMAN, WARD & CO., INC., Albany, N. Y.
Filed September 11, 1924. Serial No. 202,537. PUBLISHED JANUARY 20, 1925.

196,982. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY, AND LINGERIE. NON-EQUL HOSIERY MILLS, INC., Reading, Pa.
Filed September 22, 1924. Serial No. 202,891. PUBLISHED JANUARY 6, 1925.

196,983. FLY SWATTERS, IMPLEMENTS FOR KILLING AND DISABLING INSECTS AND FLIES. U. S. MANUFACTURING CORPORATION, Decatur, Ill.
Filed October 2, 1924. Serial No. 203,852. PUBLISHED JANUARY 6, 1925.

196,984. NUTS AND SCREWS FOR RADIO SETS. A. E. HILL MANUFACTURING COMPANY, Atlanta, Ga.
Filed October 7, 1924. Serial No. 203,520. PUBLISHED JANUARY 13, 1925.

196,985. PETTICOATS, SLIPS, BLOOMERS, AND PANTALETTES. AARON RICH, New York, N. Y.
Filed October 10, 1924. Serial No. 203,691. PUBLISHED JANUARY 13, 1925.

196,986. DOMESTIC OIL BURNERS. STANDARD STEAM CORPORATION, St. Louis, Mo.
Filed October 15, 1924. Serial No. 203,910. PUBLISHED JANUARY 6, 1925.

196,987. METAL LABELS AND NAME PLATES. THE STANLEY MANUFACTURING COMPANY, Dayton, Ohio.
Filed October 20, 1924. Serial No. 204,205. PUBLISHED JANUARY 13, 1925.

196,988. CORSETS. BONWIT TELLER & CO., New York, N. Y.
Filed October 22, 1924. Serial No. 204,257. PUBLISHED JANUARY 20, 1925.

196,989. MUSTARD AND SALAD DRESSING. CHARLES GULDEN, INC., New York, N. Y.
Filed October 24, 1924. Serial No. 204,363. PUBLISHED JANUARY 20, 1925.

196,990. MEN'S AND BOYS' WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed October 24, 1924. Serial No. 204,373. PUBLISHED JANUARY 13, 1925.

196,991. ONION BAGS MADE OF JUTE, COTTON, HEMP, OR OTHER VEGETABLE FIBER. ALBERT BANCROFT FISHWICK, Cincinnati, Ohio.
Filed October 27, 1924. Serial No. 204,445. PUBLISHED JANUARY 20, 1925.

196,992. CANDLES. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed October 28, 1924. Serial No. 204,490. PUBLISHED JANUARY 13, 1925.

196,993. SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS; GIRLS' AND JUNIOR GIRLS' HATS; AND GIRLS' AND JUNIOR GIRLS' COATS, SUITS, DRESSES, SWEATERS, SKIRTS, AND BLOUSES. BULLOCK'S, Los Angeles, Calif.
Filed October 28, 1924. Serial No. 204,495. PUBLISHED JANUARY 6, 1925.

196,994. GEAR OILS, TRANSMISSION OILS, TRANSMISSION GREASES, LUBRICATING OILS, AND LUBRICATING GREASES. GEORGE L. SWIFT, doing business as The Red Devil Company, Chicago, Ill.
Filed September 4, 1920. Serial No. 136,859. PUBLISHED JANUARY 13, 1925.

196,995. BEVERAGES AND SIRUPS FOR MAKING THE SAME. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed September 19, 1921. Serial No. 153,112. PUBLISHED JULY 11, 1922.

196,996. SHEET-METAL AND ASBESTOS GASKETS. THE FITZGERALD MANUFACTURING COMPANY, Torrington, Conn.
Filed January 16, 1923. Serial No. 174,730. PUBLISHED JUNE 5, 1923.

196,997. CERTAIN TOILET PREPARATIONS. MYRURGIA S. A., Barcelona, Spain.
Filed August 4, 1923. Serial No. 184,091. PUBLISHED JANUARY 20, 1925.

196,998. INSECTICIDES. BRANSKY & HARRIS, doing business as The B & H Drug Co., Norfolk, Va.
Filed October 1, 1924. Serial No. 203,251. PUBLISHED DECEMBER 16, 1924.

196,990. GASOLINE. D. C. E. SALES COMPANY, Wilmington, Del.
Filed November 26, 1923. Serial No. 188,896. PUBLISHED JANUARY 13, 1925.

197,000. FELT SHOES AND SLIPPERS. BURTON C. STITES, Worcester, Mass.
Filed November 28, 1923. Serial No. 189,019. PUBLISHED JANUARY 13, 1925.

197,001. CLOTH APRONS. CHIC MANUFACTURING CO., Peoria, Ill.
Filed January 10, 1924. Serial No. 190,630. PUBLISHED JANUARY 13, 1925.

197,002. CERTAIN OIL WELL EQUIPMENT. ROBINSON PACKER COMPANY, Tulsa, Okla.
Filed January 17, 1925. Serial No. 190,988. PUBLISHED DECEMBER 30, 1924.

197,003. MEN'S DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, PYJAMAS, UNDERWEAR OF KNITTED OR TEXTILE FABRIC, COLLARS, NECKTIES, AND MUFFLERS. NATIONAL SHIRT SHOPS, INC., New York, N. Y.
Filed January 30, 1924. Serial No. 191,501. PUBLISHED APRIL 8, 1924.

197,004. LUBRICATING OILS AND GREASES. SHERWOOD BROS. INC., Baltimore, Md.
Filed February 8, 1924. Serial No. 192,043. PUBLISHED SEPTEMBER 9, 1924.

197,005. DRESSES. R. H. MACY & CO., INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,555. PUBLISHED MAY 20, 1924.

197,006. COAL. ROCKHILL-ELKHORN COAL COMPANY, Virgie, Ky.
Filed April 24, 1924. Serial No. 196,076. PUBLISHED OCTOBER 14, 1924.

197,007. METALLIC AUTOMOBILE HEADLIGHT REFLECTORS. A. E. HILL MFG. CO., Atlanta, Ga.
Filed April 29, 1924. Serial No. 196,301. PUBLISHED JANUARY 6, 1925.

197,008. LADIES' DRESSES AND BLOUSES. DON P. TOOLE COMPANY, Saginaw, Mich.
Filed May 19, 1924. Serial No. 197,306. PUBLISHED JANUARY 6, 1925.

197,009. SCREW DRIVERS, WRENCHES, PLIERS, SCRIBERS, CENTER PUNCHES, AND ADJUSTABLE TEMPLATES. THE BRIDGEPORT HARDWARE MFG. CORP., Bridgeport, Conn.
Filed June 10, 1924. Serial No. 198,340. PUBLISHED JANUARY 13, 1925.

197,010. CORSETS, BRASSIÈRES, AND GIRDLES MADE OF ELASTIC FABRIC MATERIAL. KOPS BROS. INC., New York, N. Y.
Filed June 14, 1924. Serial No. 198,576. PUBLISHED AUGUST 26, 1924.

197,011. MEN'S AND BOYS' SUITS, OVERCOATS, LONG TROUSERS, AND KNEE TROUSERS. FINKELHOR-SLESINGER COMPANY, Pittsburgh, Pa.
Filed July 16, 1924. Serial No. 200,103. PUBLISHED FEBRUARY 3, 1925.

197,012. LITHOPONE. JAMES COOK BIRD, doing business as Robert A. Bird & Company, Glasgow, Scotland.
Filed July 30, 1924. Serial No. 200,763. PUBLISHED OCTOBER 24, 1924.

197,013. BRASSIÈRES. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed December 12, 1924. Serial No. 206,628. PUBLISHED JANUARY 20, 1925.

197,014. COTTON PIECE GOODS. THE CALICO PRINTERS' ASSOCIATION, LIMITED, Manchester, England.
Filed December 2, 1924. Serial No. 206,109. PUBLISHED JANUARY 13, 1925.

197,015. DRESSES. L. & C. STERN, New York, N. Y.
Filed November 29, 1924. Serial No. 206,040. PUBLISHED JANUARY 13, 1925.

197,016. LEATHER SHOES. BUCKINGHAM & HECHT, San Francisco, Calif.
Filed December 3, 1924. Serial No. 206,153. PUBLISHED JANUARY 13, 1925.

197,017. WORK SHIRTS. SALANT & SALANT, INC., New York, N. Y.
Filed November 29, 1924. Serial No. 206,030. PUBLISHED JANUARY 13, 1925.

197,018. HOSIERY. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed November 29, 1924. Serial No. 206,017. PUBLISHED JANUARY 13, 1925.

197,019. OIL HEATERS. EVERBRITE STOVE COMPANY, Kansas City, Mo.
Filed November 10, 1924. Serial No. 205,054. PUBLISHED JANUARY 6, 1925.

197,020. MEN'S AND BOYS' CLOTHING COMPRISING SUITS, TUXEDOS, FULL-DRESS SUITS, SPORT SUITS, OVERCOATS, NOVELTY SUITS, REEFERS, AND MACKINAWS. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,047. PUBLISHED JANUARY 13, 1925.

197,021. BATHING SUITS. EDWARD A. PHILLIPS AND COMPANY, Philadelphia, Pa.
Filed November 8, 1924. Serial No. 205,029. PUBLISHED JANUARY 6, 1925.

197,022. BUTTER, DRESSED POULTRY, CHEESE, AND EGGS. MINNESOTA CO-OPERATIVE CREAMERIES ASSOCIATION, INC., St. Paul and Minneapolis, Minn.
Filed November 8, 1924. Serial No. 205,020. PUBLISHED JANUARY 20, 1925.

197,023. GARTERS, BELTS FOR PERSONAL WEAR, SUSPENDERS, GARMENT SUPPORTERS, SHOE STRAPS, AND SLEEVE SUPPORTERS. CORDO-HYDE COMPANY, Brockton, Mass.
Filed November 7, 1924. Serial No. 204,953. PUBLISHED JANUARY 20, 1925.

197,024. HOSIERY. GOTHAM SILK HOSIERY COMPANY, INC., New York, N. Y.
Filed November 6, 1924. Serial No. 204,903. PUBLISHED JANUARY 13, 1925.

197,025. NETTED CAPS FOR MEN, WOMEN, AND CHILDREN. WILLIAM R. CHAPPELL, New York, N. Y.
Filed November 6, 1924. Serial No. 204,893. PUBLISHED JANUARY 13, 1925.

197,026. RED-BRASS PIPE. ANACONDA COPPER MINING COMPANY, New York, N. Y.
Filed November 6, 1924. Serial No. 204,880. PUBLISHED JANUARY 13, 1925.

197,027. GLASS LAMP CHIMNEYS FOR KEROSENE-BURNING LAMPS. CO-OPERATIVE ENTERPRISE GLASS COMPANY, North Vernon, Ind.
Filed November 5, 1924. Serial No. 204,853. PUBLISHED JANUARY 20, 1925.

197,028. COAL STOVES. ROSEN & COMPANY, Hazleton, Pa.
Filed November 4, 1924. Serial No. 204,836. PUBLISHED JANUARY 6, 1925.

197,029. HOSIERY, WOMEN'S AND MEN'S UNDERWEAR, WOMEN'S AND MEN'S GLOVES, CORSETS, INFANTS' OUTER AND UNDER WEAR. ARNOLD, CONSTABLE & CO., New York, N. Y.
Filed November 4, 1924. Serial No. 204,808. PUBLISHED JANUARY 13, 1925.

197,030. FROZEN CONFECTIONS. GEORGE METAXAS, doing business as Cream-O-Pop Co., Jonesboro, Ark., assignor to Cream-O-Pop Company, Jonesboro, Ark.
Filed November 3, 1924. Serial No. 204,778. PUBLISHED JANUARY 20, 1925.

197,031. BASE OILS TO BE USED IN THE MAKING OF VARIOUS GRADES OF CUTTING OILS. THE METALENE CHEMICAL COMPANY, Cleveland, Ohio.
Filed November 3, 1924. Serial No. 204,777. PUBLISHED JANUARY 13, 1925.

197,032. AUXILIARY TOILET SEATS. MEIER GEO. HILPERT, Bethlehem, Pa.
Filed November 3, 1924. Serial No. 204,770. PUBLISHED JANUARY 13, 1925.

197,033. OIL FOR USE WITH LATHES AND CUTTING AND DRILLING TOOLS. THE FRANKLIN OIL & GAS COMPANY, Bedford, Ohio.
Filed November 3, 1924. Serial No. 204,765. PUBLISHED JANUARY 13, 1925.

197,034. ELECTRIC-WELDED TRACE CHAINS. THE CLEVELAND CHAIN & MFG. CO., Cleveland, Ohio.
Filed November 3, 1924. Serial No. 204,758. PUBLISHED JANUARY 13, 1925.

197,035. TABLE SIRUP. RODDENBERY BROTHERS, Cairo, Ga.
Filed October 30, 1924. Serial No. 204,630. PUBLISHED JANUARY 30, 1925.

197,036. WOMEN'S WASH DRESSES; WOMEN'S STREET DRESSES OF FLANNEL, BROADCLOTH, SERGE, OR WOOL; WOMEN'S COTTON KNIT UNDERWEAR, GINGHAM DRESSES, CLOTH DRESSES, SILK AND COTTON LINGERIE, SILK AND COTTON STOCKINGS, APRONS, AND CHILDREN'S DRESSES. THE GREAT EASTERN MFG. CO. INC., Reading, Pa.
Filed October 30, 1924. Serial No. 204,607. PUBLISHED DECEMBER 23, 1924.

197,037. NECKTIES. MORRIS P. COHEN, doing business as M. P. Cohen Co., New York, N. Y.
Filed October 30, 1924. Serial No. 204,585. PUBLISHED JANUARY 13, 1925.

197,038. AUTOMOBILE OIL, TRACTOR OIL, TRUCK OIL, MARINE-ENGINE OIL, AND GAS-ENGINE OIL. WILLIAM A. CARRAN, doing business as Valley Oil Company, Cleveland, Ohio.
Filed October 30, 1924. Serial No. 204,583. PUBLISHED JANUARY 13, 1925.

197,039. CANNED RIPE OLIVES. THE BERKELEY OLIVE ASSOCIATION, Oroville, Calif.
Filed November 29, 1924. Serial No. 205,983. PUBLISHED JANUARY 20, 1925.

197,040. GASOLINE. SUNBURST REFINING COMPANY, Great Falls, Mont.
Filed November 28, 1924. Serial No. 205,964. PUBLISHED JANUARY 13, 1925.

197,041. DICE AND GAME COUNTERS MADE OF COMPOUNDS OF PYROXYLIN. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y.
Filed November 26, 1924. Serial No. 205,855. PUBLISHED JANUARY 20, 1925.

197,042. PLAYING CARDS. MAURICE W. ATKINS, New York, N. Y.
Filed November 26, 1924. Serial No. 205,851. PUBLISHED JANUARY 20, 1925.

197,043. PLAYING CARDS. MAURICE W. ATKINS, New York, N. Y.
Filed November 26, 1924. Serial No. 205,850. PUBLISHED JANUARY 20, 1925.

197,044. OVERALLS AND WORK COATS. THE VERSAILLES OVERALL CO., Versailles, Ohio.
Filed November 22, 1924. Serial No. 205,718. PUBLISHED JANUARY 13, 1925.

197,045. KERCHIEFS AND HANDKERCHIEFS. SOLOMON E. RAINS, doing business as S. E. Rains Company, New York, N. Y.
Filed November 22, 1924. Serial No. 205,710. PUBLISHED JANUARY 20, 1925.

197,046. WOOLEN CLOTH IN THE PIECE. F. A. PATRICK & CO., doing business as North Country Looms, Duluth, Minn.
Filed November 21, 1924. Serial No. 205,663. PUBLISHED JANUARY 20, 1925.

197,047. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 20, 1924. Serial No. 205,615. PUBLISHED JANUARY 20, 1925.

197,048. LADIES' AND MISSES' SPORT FROCKS. LIPSON & ADELSON, New York, N. Y.
Filed November 20, 1924. Serial No. 205,608. PUBLISHED JANUARY 13, 1925.

197,049. BOYS' SUITS, COATS, TROUSERS, AND VESTS. HAHNE & COMPANY, Newark, N. J.
Filed November 20, 1924. Serial No. 205,598. PUBLISHED JANUARY 13, 1925.

197,050. MEN'S OVERCOATS AND SACK COATS. THE STEIN-BLOCH CO., Rochester, N. Y.
Filed November 19, 1924. Serial No. 205,567. PUBLISHED JANUARY 6, 1925.

197,051. MEN'S OVERCOATS AND SACK COATS. THE STEIN-BLOCH CO., Rochester, N. Y.
Filed November 19, 1924. Serial No. 205,565. PUBLISHED JANUARY 6, 1925.

197,052. CERTAIN PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed November 19, 1924. Serial No. 205,528. PUBLISHED JANUARY 20, 1925.

197,053. CIGARS. L. BAMBERGER & COMPANY, Newark, N. J.
Filed November 19, 1924. Serial No. 205,509. PUBLISHED JANUARY 20, 1925.

197,054. DRESSES AND APRONS. JOHN A. LEEK, East Orange, N. J.
Filed November 18, 1924. Serial No. 205,486. PUBLISHED JANUARY 6, 1925.

197,055. EAVES, TROUGHS, GUTTERS, EAVES-TROUGH OUTLETS, SKYLIGHTS; SCREENS, ROOF, DOOR, AND WINDOW; FLASHING, DRAIN SPOUTS, METAL ROOFING, AND ROOFS, METAL FRAMES FOR WINDOWS AND DOORS. JOSEPH WIDMAN, doing business as Ace Sheet Metal Works, Los Angeles, Calif.
Filed November 17, 1924. Serial No. 205,459. PUBLISHED JANUARY 6, 1925.

197,056. OVERALLS, JUMPERS, UNIONALLS, AND WORK SHIRTS FOR MEN AND BOYS. TODD-WITTE DRY GOODS CO. INC., Birmingham, Ala.
Filed November 17, 1924. Serial No. 205,454. PUBLISHED JANUARY 6, 1925.

197,057. LEATHER SHOES. HOLLAND SHOE COMPANY, Holland, Mich.
Filed November 17, 1924. Serial No. 205,414. PUBLISHED JANUARY 13, 1925.

197,058. OLIVE OIL. COTTONE BROS., New York, N. Y.
Filed November 17, 1924. Serial No. 205,394. PUBLISHED JANUARY 20, 1925.

197,059. HOSIERY. JAMES MCCREERY & COMPANY, New York, N. Y.
Filed November 15, 1924. Serial No. 205,344. PUBLISHED JANUARY 6, 1925.

197,060. HOSIERY. MAIDWELL HOSIERY CO. INC., Riverside, N. J.
Filed November 15, 1924. Serial No. 205,341. PUBLISHED JANUARY 13, 1925.

197,061. INFANTS' HOSIERY. LION KNITTING MILLS, Herndon, Pa.
Filed November 15, 1924. Serial No. 205,340. PUBLISHED JANUARY 6, 1925.

197,062. OVERALLS AND OVERALL JACKETS. ECKERLING BROTHERS, Chicago, Ill.
Filed November 15, 1924. Serial No. 205,324. PUBLISHED JANUARY 6, 1925.

197,063. ALIMENTARY PASTES. ALBERT MUSHER, doing business as Musher and Company, Washington, D. C.
Filed November 14, 1924. Serial No. 205,287. PUBLISHED JANUARY 20, 1925.

197,064. MACARONI. ALBERT MUSHER, doing business as Musher and Company, Washington, D. C.
Filed November 14, 1924. Serial No. 205,284. PUBLISHED JANUARY 20, 1925.

197,065. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 13, 1924. Serial No. 205,237. PUBLISHED JANUARY 13, 1925.

197,066. TOOTHBRUSHES. THE RADBURN CORPORATION, Chicago, Ill.
Filed November 13, 1924. Serial No. 205,227. PUBLISHED JANUARY 20, 1925.

197,067. SMOKING AND CHEWING TOBACCO AND SNUFF. MACLIN-ZIMMER-MCGILL TOBACCO CO. INCORPORATED, Petersburg, Va.
Filed November 12, 1924. Serial No. 205,168. PUBLISHED JANUARY 20, 1925.

197,068. MEDICINAL TONIC. EMELIA BALBA DE PRIETO, Laredo, Tex.
Filed November 10, 1924. Serial No. 205,087. PUBLISHED JANUARY 20, 1925.

197,069. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. THE HECHT CO., doing business as The Hub, Washington, D. C., and Baltimore, Md.
Filed November 10, 1924. Serial No. 205,065. PUBLISHED JANUARY 13, 1925.

197,070. OLIVE OIL. WESTCHESTER MACARONI CO. INC., Mount Vernon, N. Y.
Filed November 12, 1924. Serial No. 205,186. PUBLISHED JANUARY 20, 1925.

197,071. COAL. W. A. MARSHALL & COMPANY, INCORPORATED, New York, N. Y.
Filed December 4, 1924. Serial No. 206,250. PUBLISHED JANUARY 13, 1925.

197,072. TANNED LEATHER. THE OCEAN LEATHER COMPANY, INC., Wilmington, Del., and Newark, N. J.
Filed December 3, 1924. Serial No. 206,184. PUBLISHED JANUARY 13, 1925.

197,073. RESILIENT VEHICLE TIRES AND INNER TUBES OF RUBBER OR RUBBER AND FABRIC. THE UTILITY TIRE AND RUBBER COMPANY, Akron, Ohio.
Filed November 25, 1924. Serial No. 205,843. PUBLISHED JANUARY 13, 1925.

197,074. BELTING COMPOSED OF RUBBER AND FABRIC. THE GUTTA PERCHA & RUBBER MANUFACTURING COMPANY, New York, N. Y.
Filed November 24, 1924. Serial No. 205,752. PUBLISHED JANUARY 13, 1925.

197,075. HUMIDIFYING APPARATUS AND VENTILATING APPARATUS. GEORGE D. DOHERTY, Minneapolis, Minn.
Filed November 24, 1924. Serial No. 205,745. PUBLISHED JANUARY 20, 1925.

197,076. DOG HOUSE. WAYNE CUNNINGHAM BOX & CRATE CO., Savannah, Ga.
Filed November 20, 1924. Serial No. 205,590. PUBLISHED JANUARY 13, 1925.

197,077. COAL. HOOD COAL COMPANY, INC., Seneca Falls, N. Y.
Filed November 18, 1924. Serial No. 205,480. PUBLISHED JANUARY 13, 1925.

197,078. SIDES, BENDS, BACKS, PIECES, STRIPS, AND BLOCKS OF LEATHER. E. A. SWEET COMPANY, INC., Binghamton, N. Y.
Filed November 15, 1924. Serial No. 205,376. PUBLISHED JANUARY 20, 1925.

197,079. PAVEMENT. MARION S. BINGHAM, Decatur, Ala.
Filed November 12, 1924. Serial No. 205,147. PUBLISHED JANUARY 13, 1925.

197,080. COAL. HAZARD-BLUE GRASS COAL CORPORATION, Bristol, Va., and Hazard, Ky.
Filed November 7, 1924. Serial No. 204,964. PUBLISHED JANUARY 20, 1925.

197,081. AUTOMOBILE BRAKES. GLENDALE ENGINEERING CO., Glendale, Calif.
Filed October 27, 1924. Serial No. 204,452. PUBLISHED JANUARY 13, 1925.

197,082. COAL STOVES AND FURNACES. PREMIER WARM AIR HEATER COMPANY, Dowagiac, Mich.
Filed October 20, 1924. Serial No. 204,194. PUBLISHED JANUARY 13, 1925.

197,083. ART CLAY. THE PLACQUO ART COMPANY, Coffeyville, Kans.
Filed October 20, 1924. Serial No. 204,191. PUBLISHED JANUARY 13, 1925.

197,084. RAW, MANUFACTURED, AND PARTLY-MANUFACTURED FURS, SKINS, AND PELTS. THEODOR THORER, Leipzig, Germany.
Filed September 22, 1924. Serial No. 202,904. PUBLISHED JANUARY 13, 1925.

197,085. AUTOMOBILES, LUGGAGE HOLDERS, MUD GUARDS, HOODS, COVERS, AND MOTOR BONNETS. BENZ & CIE. RHEINISCHE AUTOMOBIL-U. MOTOREN-FABRIK AKTIENGESELLSCHAFT, Mannheim, Germany.
Filed August 25, 1924. Serial No. 201,828. PUBLISHED JANUARY 6, 1925.

197,086. COAL. BAIR-COLLINS CO., Roundup, Mont.
Filed August 18, 1924. Serial No. 201,530. PUBLISHED JANUARY 13, 1925.

197,087. WATER AND AIR RESISTING FABRIC ESPECIALLY ADAPTED FOR FIGURE-REDUCING GARMENTS IN THE NATURE OF BRASSIÈRES, GARTER BRASSIÈRES, AND THE LIKE. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed August 13, 1924. Serial No. 201,365. PUBLISHED JANUARY 20, 1925.

197,088. SIPHON VENTILATORS AND SKYLIGHTS. GUILFOY CORNICE WORKS, San Francisco, Calif.
Filed August 9, 1924. Serial No. 201,193. PUBLISHED JANUARY 13, 1925.

197,089. AUTOMOBILES AND CHASSIS. ROLLS-ROYCE OF AMERICA, INC., Springfield, Mass.
Filed May 21, 1924. Serial No. 197,294. PUBLISHED JANUARY 13, 1925.

197,090. BOOTS MADE OF RUBBER AND FABRIC. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed April 19, 1924. Serial No. 196,817. PUBLISHED JANUARY 6, 1925.

197,091. MOTOR CAMP OUTFITS SOLD AS A UNIT. RAMBLER MOTOR CAMP PRODUCTS CO., New York, N. Y.
Filed April 4, 1924. Serial No. 195,017. PUBLISHED JANUARY 13, 1925.

197,092. WOOD, COAL, AND GAS STOVES AND RANGES. JAMES GRAHAM MANUFACTURING CO., San Francisco, Calif.
Filed April 2, 1924. Serial No. 194,861. PUBLISHED JANUARY 20, 1925.

197,093. MEN'S AND BOYS' SUITS. AUERBACH & GUETTEL, doing business as The Palace Clothing Company, Kansas City, Mo., assignor to B. Altman & Co., New York, N. Y., a corporation of New York.
Filed February 11, 1924. Serial No. 192,103. PUBLISHED SEPTEMBER 9, 1924.

197,094. GROATS OF OATS AND OTHER PREPARATIONS MADE OF OATS. OSCAR LEOPOLD GYLLENHAMMAR, Gottenborg, Sweden.
Filed January 4, 1924. Serial No. 190,413. PUBLISHED DECEMBER 2, 1924.

197,096. COW-TAIL HOLDERS. LEO PETER BRANDEWIE, Houston, Ohio.
Filed November 19, 1923. Serial No. 188,524. PUBLISHED JANUARY 13, 1925.

197,096. FUDGE WARMERS. GEORGE SHERMAN WARD, New York, N. Y.
Filed July 6, 1923. Serial No. 182,888. PUBLISHED JANUARY 20, 1925.

197,097. ANIMAL FEED CONTAINERS AND WATERING FOUNTAINS FOR ANIMALS. RALSTON PURINA COMPANY, St. Louis, Mo.
Filed March 28, 1923. Serial No. 178,191. PUBLISHED JANUARY 13, 1925.

197,098. GYPSUM PRECAST SLABS FOR GYPSUM ROOFS AND FLOORS. STRUCTURAL GYPSUM CORPORATION, New York, N. Y.
Filed August 17, 1922. Serial No. 168,384. PUBLISHED JANUARY 13, 1925.

197,099. STRUCTURAL STREET AND ROAD NON-ELECTRICAL HIGHWAY-DESIGNATING SIGNS. JOHN L. STEFFEN, Columbus, Ohio.
Filed February 27, 1922. Serial No. 159,913. PUBLISHED JANUARY 13, 1925.

197,101. A CERTAIN NAMED MEDICINAL PREPARATION. SAENGER DRUG COMPANY, INC., Shreveport, La.
Filed May 11, 1923. Serial No. 180,499. PUBLISHED NOVEMBER 6, 1923.

197,102. INSULATING AND PLASTER-SUPPORTING BOARD. WALDORF PAPER PRODUCTS COMPANY, St. Paul, Minn.
Filed November 20, 1924. Serial No. 205,620. PUBLISHED JANUARY 13, 1925.

197,103. AUTOMOBILES. SALVATORE BARBARINO, Brooklyn, N. Y.
Filed November 18, 1924. Serial No. 205,464. PUBLISHED JANUARY 6, 1925.

197,104. AUTOMOBILE TRANSMISSION BANDS. PARKS & BOHNE, INC., St. Louis, Mo.
Filed November 17, 1924. Serial No. 205,435. PUBLISHED JANUARY 6, 1925.

197,105. RUBBER TIRES. OVERMAN CUSHION TIRE COMPANY, INC., New York, N. Y.
Filed November 15, 1924. Serial No. 205,352. PUBLISHED JANUARY 6, 1925.

197,106. RUBBER TIRES. OVERMAN CUSHION TIRE COMPANY, INC., New York, N. Y.
Filed November 15, 1924. Serial No. 205,351. PUBLISHED JANUARY 6, 1925.

197,107. RUBBER TIRES. OVERMAN CUSHION TIRE COMPANY, INC., New York, N. Y.
Filed November 15, 1924. Serial No. 205,350. PUBLISHED JANUARY 6, 1925.

197,108. SPRING DRAFT GEARS, FRICTION DRAFT GEARS, DRAFT ARMS, DRAFT LUGS, DRAFT YOKES, HAND BRAKES, BUFFER CASTINGS, CAR BOLSTERS, TRUCK COLUMN ANCHORS, AND PIN LIFTERS. UNIVERSAL DRAFT GEAR ATTACHMENT CO., Chicago, Ill.
Filed October 25, 1924. Serial No. 204,427. PUBLISHED JANUARY 6, 1925.

197,109. BLEACHED, DYED, BLEACHED AND DYED, AND PARTIALLY-FINISHED ANIMAL FUR SKINS. STEIN FUR DYEING CO., INC., New York, N. Y.
Filed October 15, 1924. Serial No. 203,911. PUBLISHED JANUARY 13, 1925.

197,110. HYDRAULIC CEMENT. FORT SCOTT HYDRAULIC CEMENT CO., Fort Scott, Kans.
Filed September 6, 1924. Serial No. 202,269. PUBLISHED JANUARY 20, 1925.

197,111. ICE. JAMES A. STILES, New York, N. Y.
Filed September 18, 1924. Serial No. 202,763. PUBLISHED JANUARY 13, 1925.

197,112. RUBBER AND FIBER AUTOMOBILE TIRES, CASINGS, AND TUBES. CHANDLER & LYON COMPANY, San Francisco, Calif.
Filed May 12, 1924. Serial No. 196,904. PUBLISHED JANUARY 13, 1925.

197,113. RUBBER TIRES. SAMSON TIRE & RUBBER CORPORATION, Compton, Calif.
Filed November 26, 1923. Serial No. 188,935. PUBLISHED JANUARY 13, 1925.

197,114. CERTAIN NAMED CLOTHS. HENRY JACKSON, doing business as H. Jackson & Company, Belfast, Ireland.
Filed July 13, 1923. Serial No. 183,154. PUBLISHED AUGUST 5, 1924.

197,115. LEATHER. C. TRAUTMAN & COMPANY, Cincinnati, Ohio.
Filed September 27, 1923. Serial No. 186,301. PUBLISHED JULY 22, 1924.

197,116. ARTICLES OF CLOTHING FOR WOMEN, MISSES, AND CHILDREN AS FOLLOWS: SUITS, COATS, DRESSES, BLOUSES, SWEATERS, AND RIDING HABITS. B. ALTMAN & CO., New York, N. Y.
Filed November 1, 1924. Serial No. 204,691. PUBLISHED JANUARY 13, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

197,100. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. M. GIFFORD & SONS, San Diego, Calif.
Filed Jan. 12, 1925. Serial No. 207,991.

Gifford's

Particular description of goods.—Pickled Olives.
Claims use since January, 1921.

197,117. (CLASS 39. CLOTHING.) PATRICIA MOSELEY MOODY, St. Louis, Mo. Filed Mar. 22, 1924. Serial No. 194,285.

Lucy Lockett

Particular description of goods.—Children's Dresses.
Claims use since Dec. 1, 1923.

197,118. (CLASS 12. CONSTRUCTION MATERIALS.) NIAGARA METAL WEATHER STRIP CO., Buffalo, N. Y. Filed Feb. 8, 1924. Serial No. 192,028.

"NIAGARA"

Particular description of goods.—Metal Weather Strips.
Claims use since Jan. 16, 1924.

197,119. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FEDERAL VARNISH COMPANY, Chicago, Ill. Filed Jan. 11, 1924. Serial No. 190,680.

SURESEAL

Particular description of goods.—A Liquid Paint Product Suitable for Use as a Coater, a Sealer, or a Paint Extender.
Claims use since Dec. 24, 1923.

197,120. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTELLA RANKEY PYLE, New Castle, Pa. Filed Feb. 25, 1924. Serial No. 192,791.

PYLES

Particular description of goods.—Preparation for the Treatment of Stomach Disorders.
Claims use since Nov. 1, 1906.

197,121. (CLASS 39. CLOTHING.) WEINBRTH KNITTING & MACHINE CO., INC., Reading, Pa. Filed Aug. 2, 1924. Serial No. 200,915.

NOVEL KNIT

Particular description of goods.—Ladies' Hosiery.
Claims use since Jan. 25, 1924.

197,122. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Sept. 29, 1924. Serial No. 208,195.

Marathon

Particular description of goods.—Composition Ready or Prepared Roofing.
Claims use since about 1920.

197,123. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Sept. 29, 1924. Serial No. 208,200.

NEW METHOD

Particular description of goods.—Composition Ready or Prepared Roofing.
Claims use since about 1917.

197,124. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES. EDWARD G. HEFTER, doing business as Cambridge Tire and Rubber Co., St. Louis, Mo. Filed Dec. 4, 1924. Serial No. 206,239.

CAMBRIDGE

Particular description of goods.—Inner Tubes, Tube-Repair Kits, and Blow-Out Patches.
Claims use since Feb. 20, 1924.

197,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHPORT CHEMICAL COMPANY, INC., New York, N. Y. Filed Dec. 18, 1924. Serial No. 206,926.

Kelsey

Particular description of goods.—Suppositories for Hemorrhoids and for Diseases of Women.
Claims use since Jan. 2, 1924.

197,126. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) W. J. ELLIOTT CO., INC., New York, N. Y. Filed Jan. 10, 1925. Serial No. 207,928.

ELLIOTT

Particular description of goods.—Gas and Oil Stoves.
Claims use since 1915.

197,127. (CLASS 2. RECEPTACLES.) WINSOR & NEWTON, INC., New York, N. Y. Filed Jan. 13, 1925. Serial No. 208,089.

LEXINGTON

Particular description of goods.—Metal and Wood Boxes for Artists' Materials—Namely, Brushes, Paints, Oils, etc.
Claims use since about May 15, 1917.

197,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ZYGMUNT GLOWACKI, doing business as Dr. Bonker Medicine Co., Chicago, Ill. Filed Jan. 20, 1925. Serial No. 208,344.

DR. BONKER'S

Particular description of goods.—Pills for Relieving Headache, Dizziness, Biliousness, Jaundice, Piles, and All Complaints Arising from a Disordered Condition of the Digestive Organs.
Claims use since July 1, 1921.

197,129. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) R. E. WATHEN & COMPANY, Louisville, Ky. Filed Feb. 6, 1925. Serial No. 209,187.

WATHEN
DISTILLERS
SINCE 1788

Particular description of goods.—Whisky.
Claims use since January, 1914.

197,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. N. WILKERSON & SONS, Memphis, Tenn. Filed July 31, 1923. Serial No. 183,898.

CHAMPION

Particular description of goods.—Chill Tonic, Injection, Horse and Cattle Powder, Liver Pills, Liver Medicine, Colic Medicine, Kidney Medicine, Nerve Stimulant, and Headache Tablets.
Claims use since late winter of 1903.

197,131. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HARRY LINCOLN POHS, doing business as The Pohs Company, Brooklyn, N. Y. Filed Nov. 11, 1924. Serial No. 205,134.

POHS SHELL

Particular description of goods.—Optical Frames.
Claims use since January, 1924.

197,132. (CLASS 37. PAPER AND STATIONERY.) BLAKE, MOFFITT & TOWNE, San Francisco, Calif. Filed Dec. 23, 1924. Serial No. 207,120.

CALIFORNIA

Particular description of goods.—Writing and Printing Papers.
Claims use since November, 1907.

TRADE-MARK REGISTRATIONS RENEWED

26,480. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,481. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,482. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,483. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,484. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,485. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,486. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,487. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,488. PORCELAIN AND PORCELAIN GOODS. Registered April 30, 1895. KÖNIGLICHE PORZELLAN MANUFACTUR. Renewed April 30, 1925, to Staatliche Porzellan-Manufaktur Meissen, Meissen and Dresden, Germany, assignee.

26,706. A PREPARATION USED IN MAKING BEVERAGES AND AERATED DRINKS. Registered June 18, 1895. WILLIAM DUCKWORTH, doing business as Duckworth & Co., Manchester, England. Renewed June 18, 1925.

26,896. BAG GRANULATED SMOKING TOBACCO. Registered August 6, 1895. THIBBEROOT BROS. & CO., Meridian, Miss. Renewed August 6, 1925, to The Pure Gold Tobacco Company, Greeneville, Tenn., assignee.

26,980. SAFETY RAZORS. Registered August 20, 1895. KAMPFE BROS., New York, N. Y. Renewed August 20, 1925, to Star Safety Razor Corporation, Brooklyn, N. Y., a Corporation of New York, assignee.

27,056. CHOCOLATE, COCOA, AND PREPARATIONS THEREOF. Registered September 10, 1895. HENRY L. PIERCE. Renewed September 10, 1925, to Walter Baker & Company, Ltd., Boston, Mass., a Corporation of Massachusetts, assignee.

27,057. CHOCOLATE, COCOA, AND PREPARATIONS THEREOF. Registered September 10, 1895. HENRY L. PIERCE. Renewed September 10, 1925, to Walter Baker & Company, Ltd., Boston, Mass., a Corporation of Massachusetts, assignee.

44,477. INSULATORS. Registered July 4, 1905. W. T. C. MACALLEN CO. Renewed July 4, 1925, to The Macallen Co., Boston, Mass., a Corporation of Maine, assignee.

44,518. WHISKY. Registered July 11, 1905. GEO. A. DICKEL & Co., Nashville, Tenn. Renewed July 11, 1925.

44,722. SEWING MACHINES AND SEWING-MACHINE ATTACHMENTS AND PARTS. Registered July 18, 1905. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y., a Corporation of New York. Renewed July 18, 1925.

44,723. PIANOS. Registered July 18, 1905. CLUETT & SONS, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass., and Bennington, Vt. Renewed July 18, 1925.

44,724. PIANOS. Registered July 18, 1905. CLUETT & SONS, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass., and Bennington, Vt. Renewed July 18, 1925.

44,750. WRITING PAPER. Registered July 25, 1905. CHEMICAL PAPER CO. Renewed July 25, 1925, to Chemical Paper Manufacturing Company, Holyoke, Mass., a Corporation of Massachusetts, assignee.

44,944. A REMEDY FOR DISEASES OF THE HAIR AND SCALP. Registered August 1, 1905. THE HERPICIDE COMPANY. Renewed August 1, 1925, to The Herpicide Company, Detroit, Mich., a Corporation of Michigan, assignee.

44,952. SEWING-MACHINE PARTS AND ATTACHMENTS. Registered August 1, 1905. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y., a Corporation of New York. Renewed August 1, 1925.

44,957. PORTLAND CEMENT. Registered August 1, 1905. SANDUSKY PORTLAND CEMENT COMPANY, Sandusky, Ohio. Renewed August 1, 1925, to The Sandusky Cement Company, Cleveland, Ohio, a Corporation of Ohio, assignee.

45,042. CAUSTIC LYE OR CAUSTIC SODA. Registered August 1, 1905. PENNSYLVANIA SALT MANUFACTURING CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 1, 1925.

45,113. TEA. Registered August 8, 1905. MARTIN GILLET & Co. Renewed August 8, 1925, to Martin Gillet and Company, Inc., Baltimore, Md., successor.

45,116. TEA. Registered August 8, 1905. MARTIN GILLET & Co. Renewed August 8, 1925, to Martin Gillet and Company, Inc., Baltimore, Md., a Corporation of Maryland, successor.

45,117. TEA. Registered August 8, 1905. MARTIN GILLET & Co. Renewed August 8, 1925, to Martin Gillet and Company, Inc., Baltimore, Md., a Corporation of Maryland, successor.

45,143. DISINFECTANTS. Registered August 8, 1905. WEST DISINFECTING COMPANY, New York, N. Y., a Corporation of New York. Renewed August 8, 1925.

45,174. PREPARATIONS FOR THE DESTRUCTION AND EXTERMINATION OF WATER OR CROTON BUGS, ROACHES OR COCKROACHES, AND OTHER VERMIN. Registered August 8, 1905. ORLANDO H. JADWIN. Renewed August 8, 1925, to O. H. Jadwin Sons, Inc., New York, N. Y., a Corporation of New York, assignee.

45,271. DRESSING FOR THE UPPERS OF BOOTS AND SHOES. Registered August 8, 1905. C. L. HAUTHAWAY & SONS, INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed August 8, 1925.

45,329. WATER WHEELS. Registered August 15, 1905. THE JAMES LEFFEL & COMPANY, Springfield, Ohio, a Corporation of Ohio. Renewed August 15, 1925.

45,397. WRITING PENS. Registered August 15, 1905. EDWARD L. HOSNEY, Chillicothe, Ohio. Renewed August 15, 1925.

45,472. SALVES, SOFT SALVES, OINTMENTS, OR UNGUENTS. Registered August 22, 1905. J. W. COLE & Co., Black River Falls, Wis. Renewed August 22, 1925.

45,474. A REMEDY FOR DISEASES OF THE HAIR AND SCALP. Registered August 22, 1905. THE HERPICIDE CO. Renewed August 22, 1925, to The Herpicide Company, Detroit, Mich., a Corporation of Michigan, assignee.

45,481. FLUID FOR TRAINING THE HAIR IN NATURAL WAVES. Registered August 22, 1905. CARRIE S. WURTZEL, Baltimore, Md. Renewed August 22, 1925.

45,490. RIVETS, TUBULAR, SOLID, AND PRONGED. Registered August 22, 1905. TUBULAR RIVET & STUD COMPANY, Boston Mass., a Corporation of Massachusetts. Renewed August 22, 1925.

45,541. COLORED JAPAN TEAS. Registered August 22, 1905. E. B. MILLAR & Co., Chicago, Ill., a Corporation of Illinois. Renewed August 22, 1925.

45,542. BLENDED COFFEE CONTAINING JAVA AND MOCHA. Registered August 22, 1905. E. T. SMITH COMPANY, Worcester, Mass., a Corporation of Massachusetts. Renewed August 22, 1925.

45,545. WINE. Registered August 22, 1905. EMPIRE STATE WINE Co., Penn Yan, N. Y., a Corporation of New York. Renewed August 22, 1925.

45,659. CANNED FRUITS AND VEGETABLES. Registered August 29, 1905. BLOOMINGTON CANNING CO., Bloomington, Ill., a Corporation of Illinois. Renewed August 29, 1925.

45,678. CANNED FRUITS AND VEGETABLES. Registered August 29, 1905. BLOOMINGTON CANNING CO., Bloomington, Ill., a Corporation of Illinois. Renewed August 29, 1925.

45,726. COOKING UTENSILS MADE OF ALUMINUM AND ALUMINUM ALLOYS. Registered August 29, 1905. THE ALUMINUM COOKING UTENSIL COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed August 29, 1925.

45,751. CERTAIN NAMED FURNITURE. Registered August 29, 1905. THE WIDDICOMB FURNITURE COMPANY, Grand Rapids, Mich., a Corporation of Michigan. Renewed August 29, 1925.

45,773. SEAMS, HEMS, WELTS, AND OVEREDGING. Registered August 29, 1905. WILLCOX & GIBBS SEWING MACHINE CO., New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,787. REMEDIES FOR DISEASES PECULIAR TO WOMEN. Registered August 29, 1905. MARTIN H. SMITH CO., New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,797. BEER. Registered August 29, 1905. CHR. HEURICH BREWING CO., Washington, D. C., a Corporation of Virginia. Renewed August 29, 1925.

45,802. BEER. Registered August 29, 1905. FLOCK BREWING COMPANY, Williamsport, Pa., a Corporation of Pennsylvania. Renewed August 29, 1925.

45,805. LAGER BEER. Registerd August 29, 1905. H. KOEHLER & Co. Renewed August 29, 1925, to Norman S. Goldberger, New York, N. Y., successor.

45,835. SEWING MACHINES. Registered August 29, 1905. WILLCOX & GIBBS SEWING MACHINE COMPANY, New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,883. PEPPER. Registered August 29, 1905. JAMES H. BURDEN. Renewed August 29, 1925, to Margaret C. Burden, Oak Park, Calif., assignee.

45,896. LOCOMOTIVE SIGHT-FEED LUBRICATORS. Registered August 29, 1905. NATHAN MANUFACTURING Co., New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

46,038. GROUND AND UNGROUND SPICES AND MUSTARDS IN BOTH WET AND DRY STATE. Registered September 5, 1905. MCCORMICK & COMPANY. Renewed September 5, 1925, to McCormick & Co. Incorporated, Baltimore, Md., a Corporation of Maryland, assignee.

46,079. SHEETINGS AND DRILLINGS. Registered September 5, 1905. ANDERSON COTTON MILLS, Anderson, S. C., a Corporation of South Carolina. Renewed September 5, 1925.

46,082. SHEETINGS AND DRILLS. Registered September 5, 1905. BRANDON MILLS, Greenville, S. C., a Corporation of South Carolina. Renewed September 5, 1925.

46,088. GRASS SEED. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

46,089. GRASS SEED. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

46,090. GRASS SEED. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

46,092. GRASS SEED. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

46,094. SEED CORN. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

46,141. WATERPROOFING, STUFFING, AND POLISHING OILS. Registered September 5, 1905. EZRA L. POST. Renewed September 5, 1925, to E. L. Post & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

46,180. GRASS SEED. Registered September 5, 1905. HORACE E. CONKLIN, doing business as E. W. Conklin & Son, Binghamton, N. Y. Renewed September 5, 1925.

LABELS

REGISTERED APRIL 7, 1925.

28,503.—*Title:* ITALIAN BREAD STICKS. For Bread Sticks. A. ANGONOA, INC., New York, N. Y. Published February 4, 1925.

28,504.—*Title:* FRACY LONDRES-PARIS. For Face Powder. F. R. ARNOLD & Co., New York, N. Y. Published July 30, 1924.

28,505.—*Title:* IF YOU WISH ME TO LOVE YOU YOU MUST FIRST FACE POWDER. For Face Powder. F. R. ARNOLD & Co., New York, N. Y. Published September 9, 1924.

28,506.—*Title:* LOG CABIN. For Canned Soup. L. E. DECKARD, doing business as L. E. Deckard & Co., Covington, Ky. Published February 25, 1925.

28,507.—*Title:* EAGLE. For Lettuce. THE EAGLE PACKING Co., Los Angeles, Calif. Published December 31, 1924.

28,508.—*Title:* ELECTRIC GLASS CLEANER. For a Liquid Cleaning Compound. ELECTRIC GLASS CLEANER Co., Sandusky, Ohio. Published September 24, 1924.

28,509.—*Title:* FAERY FOAM. For Toilet Preparations. FAERY FOAM PRODUCTS COMPANY, Brooklyn, N. Y. Published June 1, 1924.

28,510.—*Title:* GOLDEN GLOW. For Ladies', Misses', and Children's Hats. GOLDEN BROS., Los Angeles, Calif. Published January 15, 1924.

28,511.—*Title:* TRU-WHITE. For Washing Powder. B. HELLER & COMPANY, Chicago, Ill. Published February 2, 1925.

28,512.—*Title:* NEWBRO'S QUI-9 HAIR TONIC. For Medicinal Preparation. THE HERPICIDE COMPANY, Detroit, Mich. Published February 20, 1925.

28,513.—*Title:* CROSS-WORD PUZZLE BAR. For 5¢ Candy Bar. HIRSCHLER & WOOD, San Jose, Calif. Published February 5, 1925.

28,514.—*Title:* GOLDEN GROVES. For Oranges. INDEPENDENT FRUIT GROWERS, INC., New York, N. Y. Published December 18, 1924.

28,515.—*Title:* INTERLAKE. For Toilet Paper. INTERLAKE TISSUE MILLS CO., LIMITED, Merritton and Toronto, Ontario, Canada. Published November 1, 1923.

28,516.—*Title:* L'ABBE'S AUTO AND FURNITURE POLISH. For Auto and Furniture Polish. JULIA A. L'ABBE, doing business as The L'Abbe Company, Salem, Mass. Published January 17, 1925.

28,517.—*Title:* O-HENRY. For Cigars. PETER MCGUIGAN & SONS, Red Lion, Pa. Published February 25, 1925.

28,518.—*Title:* McQUAY-NORRIS MOTOR BEARINGS. For Motor Bearings. McQUAY-NORRIS MFG. CO., St. Louis, Mo. Published May 1, 1924.

28,519.—*Title:* E-Z PAINT CLEANER. For Soluble Cleaning Powder. FRANK MERCKIN, Moline, Ill. Published February 25, 1925.

28,520.—*Title:* NATIONAL OROTIP NEGATIVE PROJECTOR CARBONS. For Electric-Light Carbons. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published January 1, 1924.

28,521.—*Title:* NEW JERSEY COPPER PAINT. For Paint. NEW JERSEY PAINT WORKS, HARRY LOUDENBOUGH, INC., Jersey City, N. J. Published November 1, 1924.

28,522.—*Title:* 1-4-1. For Matches. NORTHAM TRADING CORPORATION, New York, N. Y. Published February 17, 1925.

28,523.—*Title:* CHECKERS. For Matches. NORTHAM TRADING CORPORATION, New York, N. Y. Published February 17, 1925.

28,524.—*Title:* 20TH CENTURY. For Matches. NORTHAM TRADING CORPORATION, New York, N. Y. Published February 17, 1925.

28,525.—*Title:* JOHNEY'S COF-E-ZY. For Medicine. JOHN B. OLD, South Mills, N. C. Published September 5, 1924.

28,526.—*Title:* PARKER'S HAIR DRESSING. For Compound for Treating the Hair. EUGENE PARKER, doing business as Parker Drug Co., Baltimore, Md. Published January 2, 1925.

28,527.—*Title:* STORM KING. For Plastic Cement. PIONEER PAPER COMPANY, Los Angeles, Calif. Published September 1, 1924.

28,528.—*Title:* PROPP ELECTRICAL OUTFIT. For Electrical Christmas-Tree Outfits and Reflectors. THE M. PROPP COMPANY, New York, N. Y. Published June 1, 1924.

28,529.—*Title:* BLUE RIBBON BRAND. For Vanilla. HENRY ROSENHEIM, Brooklyn, N. Y. Published December 5, 1924.

28,530.—*Title:* KING DAVIDS FOOD. For King Davids Food. A. H. SASSE, Pueblo, Colo. Published January 1, 1925.

28,531.—*Title:* GREY BEAR. For Cigars. HERMAN SCHECHTMAN, Chicago, Ill. Published December 23, 1923.

28,532.—*Title:* SING MOTHER! I'LL PLAY. For Toy Pianos. THE A. SCHOENHUT COMPANY, Philadelphia, Pa. Published February 7, 1925.

28,533.—*Title:* HOME PLATE. For Canned Tomatoes. SCOTT-MAYER COMMISSION CO., Little Rock, Ark. Published December 15, 1924.

28,534.—*Title:* PERFECTO BRAND GENTLEMEN'S FINE HANDKERCHIEFS. For Handkerchiefs. JOSEPH SILBERSTEIN, New York, N. Y. Published August 8, 1923.

28,535.—*Title:* FUZZY ROLLS. For Candy. JOSEPH SKUTCH, doing business as Fuzzy Rolls Co., Brooklyn, N. Y. Published January 1, 1925.

28,536.—*Title:* TRIPLE XXX. For Root-Beer Sirup. SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Published January 31, 1925.

28,537.—*Title:* NATIONAL SPORTSMAN. For Cigars. N. O. SWIFT CIGAR CO., Hellam, Pa. Published February 24, 1925.

28,538.—*Title:* PURPLE CREST. For Toilet Paper. TENNESSEE TISSUE MILLS, Nashville, Tenn. Published October 1, 1924.

28,539.—*Title:* SWEDISH RYE BREAD. For Bread. ZINSMASTER BREAD COMPANY, Duluth, Minn. Published January 24, 1925.

PRINTS

REGISTERED APRIL 7, 1925.

7,889.—*Title:* TUTTI-FRUTTI. For Chewing Gum. AMERICAN CHICLE COMPANY, Long Island City, N. Y. Published October 15, 1924.

7,890.—*Title:* NEXT TO MYSELF I LIKE "B. V. D." BEST. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published February 13, 1925.

7,891.—*Title:* HAVANA RIBBON (INDIAN). For Havana Ribbon Cigars. BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Published October 2, 1924.

7,892.—*Title:* CENTURY PRESERVED WOOD CROSS TIES AND TIMBER. For Wood, Crossties, and Timber which have been treated with a preservative. CENTURY WOOD PRESERVING COMPANY, Pittsburgh, Pa. Published January 22, 1925.

7,893.—*Title:* (LATIN) ARS SAPIENTIA DISPENSATIO—(ENGLISH) ART WISDOM ECONOMY. For Automobiles. GERALD GORDON HILTON, Seattle, Wash. Published January 18, 1925.

7,894.—*Title:* JELL-O FOR SALADS. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published March 2, 1925.

7,895.—*Title:* THREE APPETIZING DESSERTS. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published February 15, 1925.

7,896.—*Title:* JELL-O MACÉDOINE. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published February 15, 1925.

7,897.—*Title:* ORANGE JELL-O CUPS. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published December 15, 1924.

7,898.—*Title:* DELICIOUS. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published December 15, 1924.

7,899.—*Title:* NEW CREATION IN CANDY. For Candy. LAWRENCE T. MALONE, doing business as Malone's Candyland, Seattle, Wash. Published December 18, 1924.

7,900.—*Title:* BRIGADE'S BASE DRUMMER. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published December 24, 1924.

7,901.—*Title:* BRIGADE'S JOLLY DRUMMER. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published December 24, 1924.

7,902.—*Title:* BRIGADE'S STANDARD BEARER. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published December 24, 1924.

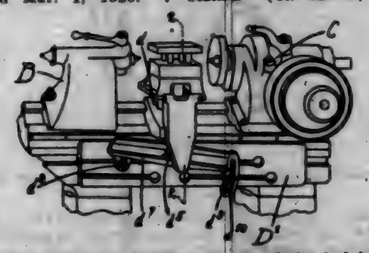
7,903.—*Title:* YANKEE DEMONSTRATOR. For Tools. NORTH BRO'S. M'F'G. Co., Philadelphia, Pa. Published February 6, 1925.

7,904.—*Title:* WHITE EAGLE GASOLINE AND OIL. For Gasoline and Oil. WHITE EAGLE OIL AND REFINING COMPANY, Kansas City, Mo. Published January 1, 1925.

REISSUES

APRIL 7, 1925.

16,038. TURNING AND FACING LATHE. WILLIAM F. GRONE, Cincinnati, Ohio, assignor, by mesne assignments, to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio, a Corporation of Delaware. Filed Nov. 9, 1923. Serial No. 673,832. Original No. 1,398,115, dated Oct. 11, 1921, Serial No. 362,227, filed Mar. 1, 1920. 7 Claims. (Cl. 82—2.)



1. In a lathe the combination of a lathe bed having three sets of longitudinal ways, a carriage mounted in one of the ways, a turning tool support mounted upon the carriage, a facing tool carriage mounted in a second one of the ways and having a transverse way in it, a facing tool support mounted in the transverse way, means for imparting longitudinal movement to the first mentioned carriage and means for imparting transverse movement to the facing tool, comprising a carriage mounted in a third one of the ways, means for reciprocating said last mentioned carriage upon the lathe bed, an angularly adjustable slide mounted upon the last mentioned carriage, a shoe mounted upon the slide and means for transmitting the vertical movement of the shoe into a transverse movement of the facing tool support.

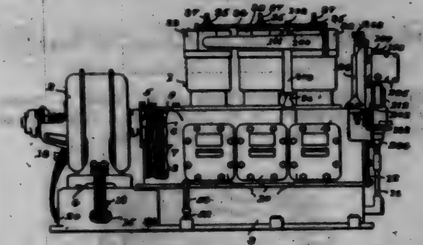
16,039. PROCESS OF PREPARING CHEESE. GOTTFRIED MEYER, St. Paul, Minn. Filed Jan. 8, 1925. Serial No. 1,325. Original No. 1,462,375, dated July 17, 1923, Serial No. 575,704, filed July 18, 1922. 6 Claims. (Cl. 99—11.)

1. The process of preparing cheese which consists in adding a milk fat containing product to already prepared cheese as a base, then mixing and heating the cheese and the product added thereto until the same assumes a stringy, doughlike or elastic appearance and subsequently working the mixture until the same assumes the required consistency.

16,040. PRODUCTION OF DIARYLGUANIDINES. JOHN YOUNG, Caldwell, N. J., and ELMER G. CROAKMAN, Buffalo, N. Y., assignors to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 3, 1925. Serial No. 6,666. Original No. 1,446,818, dated Feb. 27, 1923, Serial No. 574,297, filed July 11, 1922. 9 Claims. (Cl. 260—125.)

1. The method of producing diarylguanidines, which comprises subjecting an alcoholic, ammoniacal solution of a diarylthiourea to the action of lead oxide at a temperature below about 60 degrees C.

16,041. CONTROL SYSTEM FOR COMPRESSORS AND THE LIKE. BURTON S. AIKMAN, Whitefish Bay, Wis., assignor to National Brake & Electric Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Dec. 10, 1923. Serial No. 679,810. Original No. 1,400,133, dated Dec. 13, 1921, Serial No. 169,997, filed May 21, 1917. 158 Claims. (Cl. 230—24.)

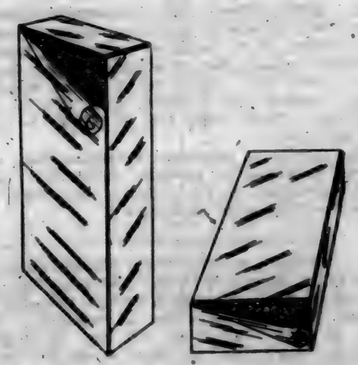


1. In combination, a driving motor, a control switch for the motor, a compressor, means for unloading said compressor and a hydraulic pressure system governing the control switch and the unloading means.

DESIGNS

APRIL 7, 1925.

66,963. CARTON. ACHILLE BIENVENU, Montreal, Quebec, Canada. Filed Feb. 26, 1923. Serial No. 5,257. Term of patent 14 years.



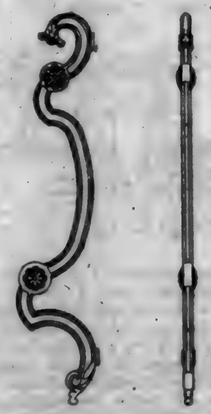
The ornamental design for a carton, as shown.

66,964. LIGHTING-FIXTURE ARM. JOHN A. BORHINGER, Springfield, N. Y. Filed Feb. 4, 1925. Serial No. 12,254. Term of patent 3½ years.



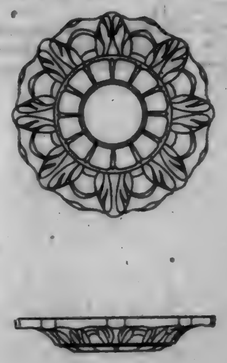
The ornamental design for a lighting-fixture arm, as shown.

66,965. LIGHTING-FIXTURE ARM. JOHN A. BORHINGER, Springfield, N. Y. Filed Feb. 4, 1925. Serial No. 12,255. Term of patent 3½ years.



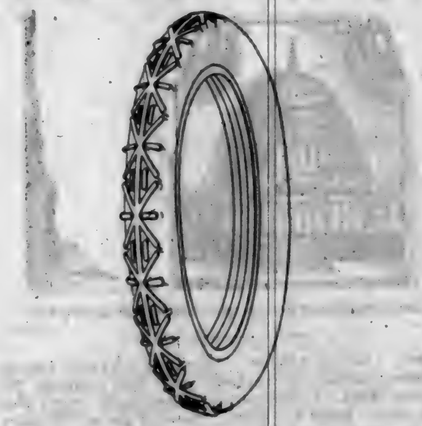
The ornamental design for a lighting-fixture arm, as shown.

66,966. LAMP HUSK FOR LIGHTING FIXTURES. JOHN A. BORHINGER, Springfield, N. Y. Filed Feb. 4, 1925. Serial No. 12,257. Term of patent 3½ years.



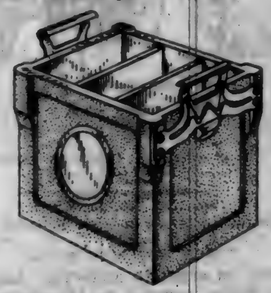
The ornamental design for a lamp husk for lighting fixtures, as shown.

66,967. TIRE TREAD. LESTER E. DILLON, Jefferson, S. Dak. Filed Nov. 18, 1924. Serial No. 11,397. Term of patent 14 years.



The ornamental design for a tire tread, as shown.

66,968. STORAGE-BATTERY CONTAINER. CARL J. DUNEWEILER, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed July 2, 1924. Serial No. 10,036. Term of patent 7 years.



The ornamental design for a storage battery container substantially as shown.

66,969. METAL CASSEROLE HOLDER OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y. Filed Feb. 16, 1925. Serial No. 12,395. Term of patent 7 years.



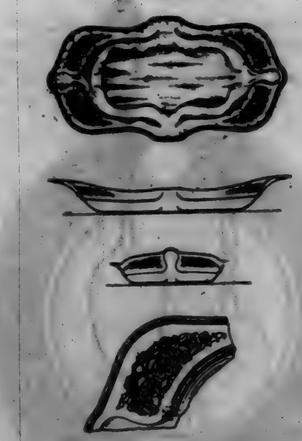
The ornamental design for a metal casserole holder or similar article substantially as shown.

66,970. METAL CASSEROLE HOLDER OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y. Filed Feb. 16, 1925. Serial No. 12,396. Term of patent 7 years.



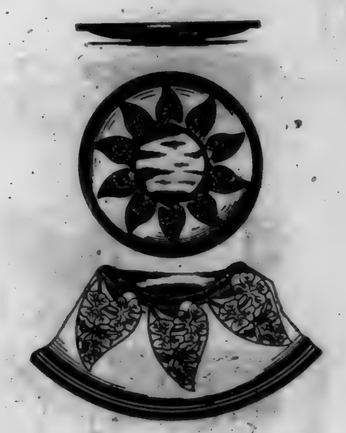
The ornamental design for a metal casserole holder or similar article substantially as shown.

66,971. METAL DISH OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y. Filed Feb. 16, 1925. Serial No. 12,397. Term of patent 7 years.



The ornamental design for a metal dish or similar article substantially as shown.

66,972. METAL DISH OR SIMILAR ARTICLE. SIMON W. FARBER, Brooklyn, N. Y. Filed Feb. 16, 1925. Serial No. 12,398. Term of patent 7 years.



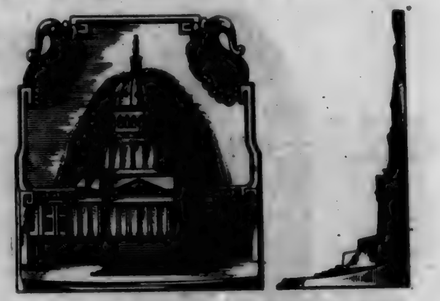
The ornamental design for a metal dish or similar article substantially as shown.

66,973. SPOON OR SIMILAR ARTICLE. PETER J. GORDON, Sag Harbor, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed June 17, 1924. Serial No. 9,889. Term of patent 14 years.



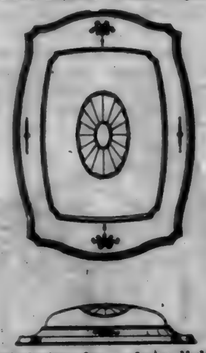
The ornamental design for a spoon or similar article, as shown.

66,974. BOOK END. JACK KATZ, New York, N. Y. Filed Jan. 7, 1925. Serial No. 11,953. Term of patent 3½ years.



The ornamental design for a book end, as shown.

66,975. DOME LIGHT. ARCHER L. KNAPP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 7, 1925. Serial No. 12,292. Term of patent 3½ years.



The ornamental design for a dome light, as shown.

66,976. SPOON OR SIMILAR ARTICLE. JOHN LESCH, Bridgeport, Conn., assignor to International Silver Company, Bridgeport, Conn., a Corporation of New Jersey. Filed Nov. 22, 1924. Serial No. 11,455. Term of patent 7 years.



The ornamental design for a spoon or similar article substantially as shown.

66,977. ELECTRIC-LIGHT BOWL. JOSEPH MARKEL, Buffalo, N. Y. Filed July 30, 1923. Serial No. 6,900. Term of patent 7 years.



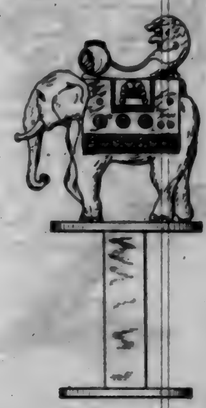
The ornamental design for an electric-light bowl, as shown.

66,978. DOORKNOB. BERENT MARTIN, San Francisco, Calif. Filed Apr. 15, 1924. Serial No. 9,284. Term of patent 3½ years.



The ornamental design for a doorknob, as shown.

66,979. RADIOCABINET. CHARLES METZ-METZETTI, New York, N. Y. Filed Dec. 5, 1924. Serial No. 11,594. Term of patent 3½ years.



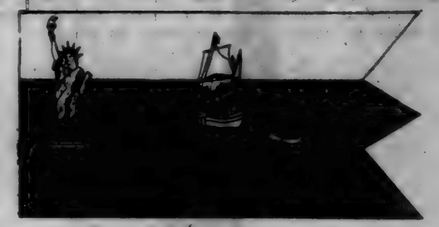
The ornamental design of a radiocabinet, as shown.

66,980. CHAIR. SYDNEY PAUL, Lima, Ohio, assignor to Superior Motor Coach Body Co., Lima, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,209. Term of patent 14 years.



The ornamental design for a chair, substantially as shown.

66,981. FLAG. DAVID PEREZ and HENRIETTA E. PEREZ, Buffalo, N. Y. Filed Jan. 29, 1925. Serial No. 12,192. Term of patent 3½ years.



The ornamental design for a flag, as shown.

66,982. PLATE OR SIMILAR ARTICLE. JOHN E. PHILLIPS, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 11,506. Term of patent 14 years.



The ornamental design for a plate or similar article as shown.

66,983. PLATE OR SIMILAR ARTICLE. JOHN L. PHILLIPS, Chicago, Ill., assignor to Albert Pick & Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 11,507. Term of patent 14 years.



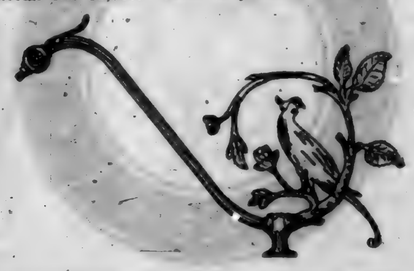
The ornamental design for a plate or similar article, as shown.

66,984. SPOON OR SIMILAR ARTICLE. ADOLPH H. REIMHERR, Providence, R. I. Filed Feb. 9, 1925. Serial No. 12,317. Term of patent 14 years.



The ornamental design for a spoon or similar article as shown.

66,985. BRACKET FOR LIGHTING FIXTURES. JACOB RIBAYSEN, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 11,760. Term of patent 7 years.



The ornamental design for a bracket for lighting fixtures, as shown.

66,986. VANITY CASE. JACOB RITTER, New York, N. Y. Filed Mar. 15, 1923. Serial No. 5,480. Term of patent 3½ years.



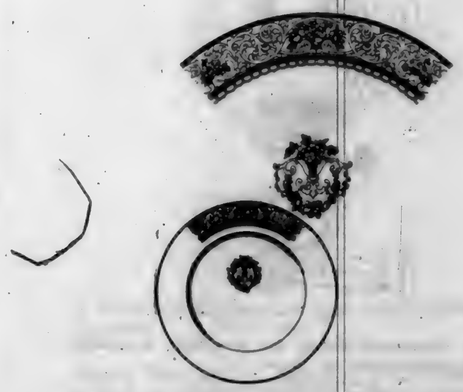
The ornamental design for a vanity case, as shown.

66,987. LIGHTING-FIXTURE ARM. HERMAN A. SAPION, New York, N. Y. Filed Feb. 4, 1925. Serial No. 12,258. Term of patent 3½ years.



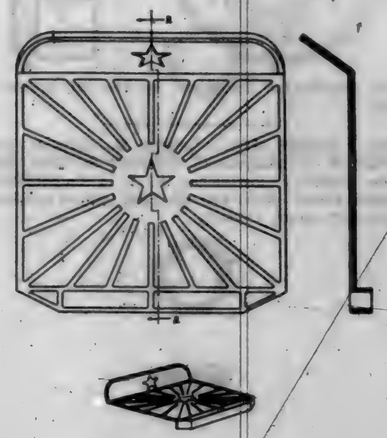
The ornamental design for a lighting-fixture arm, as shown.

66,988. CHINA PLATE OR SIMILAR ARTICLE. HANS SCHIEFFNER, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y. Filed Apr. 20, 1923. Serial No. 5,868. Term of patent 7 years.



The ornamental design for a china plate or similar article as shown.

66,989. STEP PLATE. JOHN SEYS, Grand Rapids, Mich. Filed May 7, 1923. Serial No. 6,088. Term of patent 3½ years.



The ornamental design for a step plate, substantially as shown.

66,990. LINGERIE CLIP. MARK TAPPEL, London, England. Filed Jan. 2, 1925. Serial No. 11,855. Term of patent 14 years.



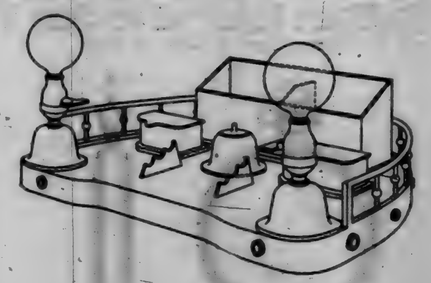
The ornamental design for a lingerie clip as shown and described.

66,991. HAND TELEPHONE. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 31, 1923. Serial No. 8,197. Term of patent 14 years.



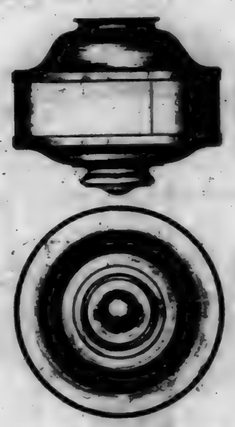
The ornamental design for a hand telephone, as shown

66,992. WRITING SET. PETRO TRABARA, Benton Harbor, Mich. Filed Dec. 13, 1924. Serial No. 11,696. Term of patent 14 years.



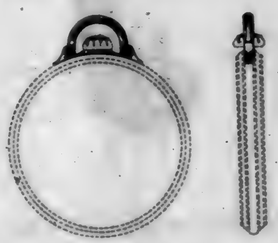
The ornamental design for a writing set, as shown.

66,993. LIGHTING GLOBE. CHARLES E. VERHUNCE, Winnetka, Ill. Filed May 4, 1923. Serial No. 6,059. Term of patent 3½ years.



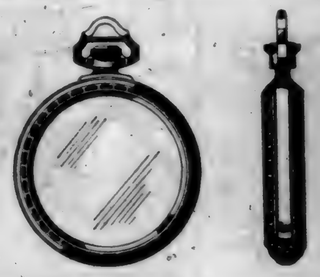
The ornamental design for a lighting globe as shown.

66,994. WATCHCASE APPENDAGE. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 21, 1924. Serial No. 11,434. Term of patent 14 years.



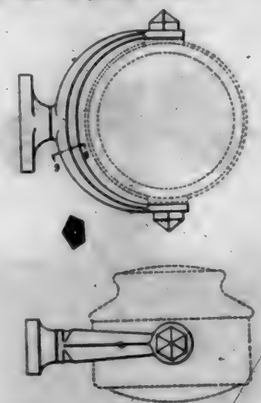
The ornamental design for a watchcase appendage, substantially as shown.

66,995. WATCHCASE. ARTHUR W. WADSWORTH and ARTHUR P. CONANT, Fort Thomas, Ky., assignors to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 21, 1924. Serial No. 11,438. Term of patent 14 years.



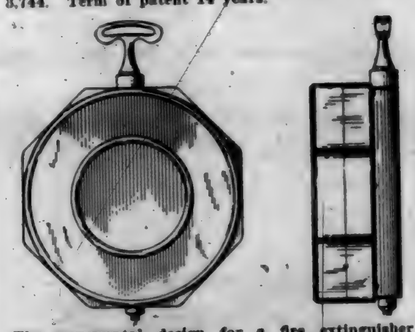
The ornamental design for a watchcase, substantially as shown.

66,996. VEHICLE SEARCHLIGHT BRACKET. FREDERIK G. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Feb. 13, 1922. Serial No. 684. Term of patent 14 years.



The ornamental design for a vehicle searchlight bracket, substantially as shown.

66,997. FIRE EXTINGUISHER. PETER L. WILBUR, Tuckahoe, N. Y. Filed Sept. 16, 1922. Serial No. 3,744. Term of patent 14 years.



The ornamental design for a fire extinguisher as shown.

66,998. WATCHCASE. GEORGE D. MOYLAN, Providence, R. I., assignor to American Standard Watch Case Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 12, 1925. Serial No. 12,358. Term of patent 7 years.



The ornamental design for a watchcase, substantially as shown.

66,999. WATCHCASE. GEORGE D. MOYLAN, Providence, R. I., assignor to American Standard Watch Case Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 12, 1925. Serial No. 12,359. Term of patent 7 years.



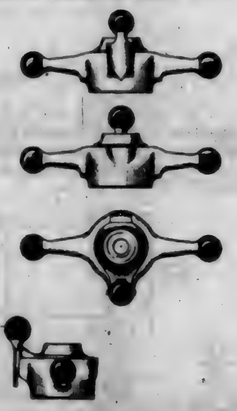
The ornamental design for a watchcase, substantially as shown.

67,000. WATCHCASE. GEORGE D. MOYLAN, Providence, R. I., assignor to American Standard Watch Case Company, Providence, R. I., a Corporation of Rhode Island. Filed Feb. 12, 1925. Serial No. 12,360. Term of patent 7 years.



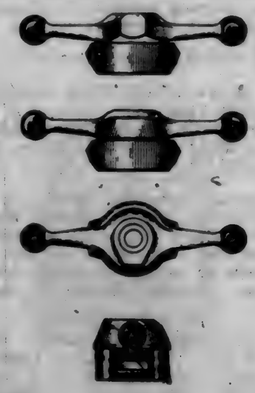
The ornamental design for a watchcase, substantially as shown.

67,001. RADIATOR CAP. LAURENCE A. SWEET, Los Angeles, Calif. Filed Aug. 27, 1923. Serial No. 7,008. Term of patent 14 years.



The ornamental design for a radiator cap, substantially as shown.

67,002. RADIATOR CAP. LAURENCE A. SWEET, Los Angeles, Calif. Filed Jan. 23, 1924. Serial No. 8,380. Term of patent 14 years.

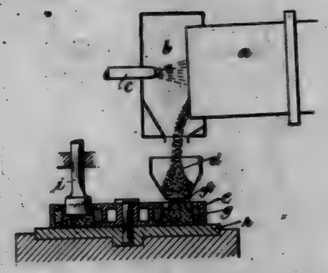


The ornamental design for a radiator cap, substantially as shown.

PATENTS

GRANTED APRIL 7, 1925.

1,532,113. PROCESS OF AGGLOMERATING ORE AND THE LIKE. NIKOLAI AHLMANN, Copenhagen, Denmark. Filed Oct. 20, 1922. Serial No. 595,858. 1 Claim. (Cl. 75—73.)



The process of agglomerating pulverous ore which consists in heating the pulverous material to a temperature less than the sintering temperature and then subjecting the heated material to pressure to form a coherent, porous mass.

1,532,114. PROCESS FOR THE TREATMENT OF FABRICS AND THE LIKE. RAYMOND F. BACON, New York, and CLEO H. KIDWELL, New Brighton, N. Y., assignors to John M. Van Heusen, Boston, Mass. Filed Mar. 16, 1922. Serial No. 544,320. 6 Claims. (Cl. 8—20.)

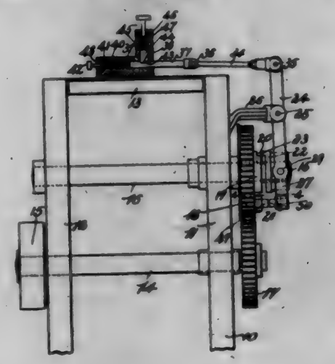
1. The method of selvedging multiple ply interwoven cotton fabric which consists in treating those portions thereof to be selvedged with an acid solution comprising 73 to 75 per cent by weight of sulphuric acid for a period of about one minute at ordinary room temperature, and then completely removing the acid.

1,532,115. TYPEWRITING MACHINE. BENJAMIN F. BARKER, El Paso, Tex., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1922. Serial No. 543,636. 19 Claims. (Cl. 197—194.)



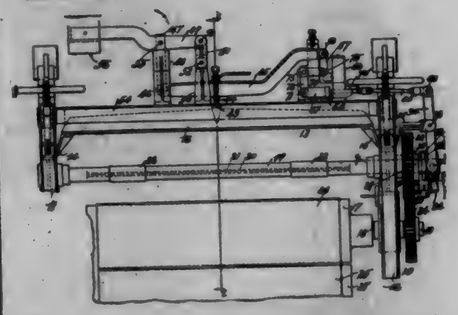
1. A slide-device for ascertaining the scale position on a typewriting machine of the initial character of any writing to be centered between any given readings on the scale of the typewriting machine, having in fixed position thereon a scale, the graduations of which are numbered as on the letter-space scale of the typewriting machine, and the slide of which is a continuous tape having a front and a rear reach, the front reach of which bears a scale, the graduations of which are similarly numbered, but in the reverse direction, and are at letter-space distances apart and at twice the distance apart of the graduations on the fixed scale.

1,532,116. CLUTCH. EDWARD C. BATCHELDER, Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Portsmouth, N. H., a Corporation of Maine. Filed Oct. 19, 1923. Serial No. 669,459. 9 Claims. (Cl. 192—33.)



1. A clutch comprising two interlocking members, means to rotate one of said members, a rotatable shaft, the other of said members being non-rotatably mounted on said shaft, shifting means adapted to move one of said members into interlocking engagement with the other and a contact member pivoted on one of said clutch members and with an eccentrically disposed contact face thereon adapted to engage said shifting means and move one of said clutch members out of engagement with the other.

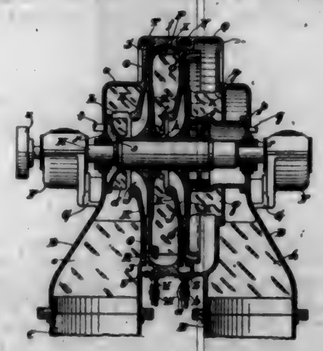
1,532,117. SEVERING MECHANISM FOR WET-PAPER MACHINES. EDWARD C. BATCHELDER, Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Portsmouth, N. H., a Corporation of Maine. Filed Oct. 19, 1923. Serial No. 669,460. 16 Claims. (Cl. 92—67.)



1. A wet paper machine having, in combination, a make-up roll, a paper feed belt, a guide roll for said belt coacting with said make-up roll, a rotatable cutter adapted to coact with said make-up roll, a slide frame upon which said make-up roll and rotary cutter are

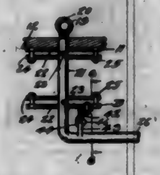
rotatably mounted and mechanism actuated by the movement of said slide frame away from said guide roll for automatically operating said cutter to sever the paper on said make-up roll.

1,532,118. TAR EXTRACTOR. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 26, 1924. Serial No. 709,113. 1 Claim. (Cl. 183—77.)



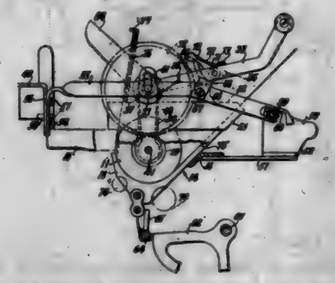
A combined exhauster and tar extractor for gas comprising a casing, an impeller rotatably mounted in said casing, a diffuser extending radially from said impeller and curved at its outer end, an annular chamber in said casing adjacent said diffuser and a slot in alignment with the radially extending portion of said diffuser adjacent said curved end and leading into said annular chamber whereby tar is projected from said diffuser into said slot.

1,532,119. SAFETY APPLIANCE FOR RAILWAY TRAINS. EDWARD W. BOULDEN and CHARLES J. COWLES, Sioux City, Iowa. Filed Apr. 7, 1924. Serial No. 704,765. 2 Claims. (Cl. 246—190.)



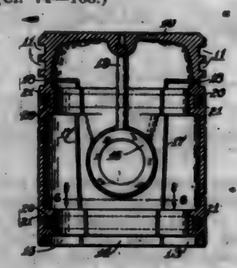
1. In combination with a locomotive having a cab, an air brake system, an auxiliary release valve connected with said brake system and disposed within the cab, an actuating shaft operatively connected with said valve and extending through the cab, means to support said shaft, including spaced brackets provided with openings to receive said shaft, friction plates secured to the brackets by means capable of adjusting the plates toward the brackets, said plates being provided with openings to register with the openings in the brackets, friction pins secured in the shaft and engaged between the respective plates and brackets, the shaft being provided with a crank lever extending beyond the cab and adapted to be actuated by contact with a member external of the locomotive, elements fixed to the bracket and crank lever, respectively, adapted to register and receive a sealing strip when the valve is closed, and a sealing strip connecting said elements and adapted to be broken when the crank lever is moved.

1,532,120. TYPEWRITING MACHINE. WILLIAM O. BRYANT, Los Angeles, Calif., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 27, 1921. Serial No. 510,772. 8 Claims. (Cl. 197—117.)



1. In a typewriting machine, in combination, a platen, a platen-axle, a platen-frame in which said axle is journaled, a carriage in which said platen-frame is mounted, case-shift mechanism for shifting said platen-frame, a pinion on one end of said platen-axle to rotate the same, a gear-supporting member extending outwardly from the platen-frame parallel to said axle, a gear on said member to mesh with said pinion, means for actuating said gear, and a guide fastened on said carriage and having a slot to receive the outer end of said gear-supporting member so as to guide it during case-shift movements.

1,532,121. PISTON. CHARLES R. BUTLER, Indianapolis, Ind. Filed Apr. 17, 1922. Serial No. 553,424. 21 Claims. (Cl. 74—108.)

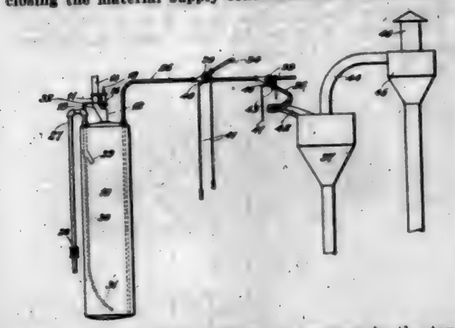


1. A metal piston, having a skirt which is divided into a plurality of separated segments, and one or more continuous rings of a metal having a smaller coefficient of expansion than that of the metal of which the piston is made, said rings being located in the wall of said skirt with piston metal against them both radially inward and radially outward thereof, there being one such ring near the head end of the skirt.

1,532,122. PNEUMATIC CONVEYING APPARATUS AND THE LIKE. VIRGINIUS Z. CARACRISTI, Bronxville, N. Y., assignor to Locomotive Pulverized Fuel Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 3, 1919. Serial No. 287,157. 4 Claims. (Cl. 302—55.)

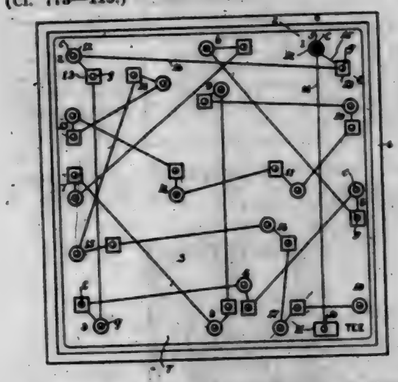
1. A system for transporting comminuted materials comprising, in combination, a material receiving tank, a material supply connection therefor, a valve controlling said supply connection, a material outlet pipe, means for supplying pressure fluid to the tank to discharge the material through the outlet pipe, and means actuated by a portion of the pressure fluid taken from the supply

line before delivery into the tank for automatically closing the material supply connection valve prior to the



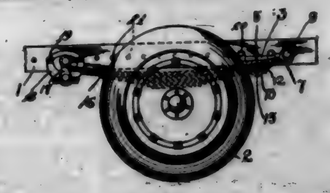
accumulation of effective discharge pressure in the tank whereby escape of the pressure fluid through the material supply connection is prevented.

1,532,123. GAME. DAVID B. CONKLIN, Brooklyn, N. Y. Filed Nov. 24, 1923. Serial No. 676,764. 6 Claims. (Cl. 273—115.)



1. A game board comprising a ball, and a flat base provided with a plurality of depressions arranged in pairs, the depressions of each pair being closely adjacent to each other; said base being also provided with lines connecting the depressions in series; said lines passing from each depression of a pair to the other depression of the same pair, and from one depression of each pair to a depression not of the same pair therewith.

1,532,124. COMPENSATING LOAD-CARRYING DEVICE. ALBERT EUGENE COOK, Evanston, and THOMAS VAN TUYL, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Filed Nov. 15, 1922. Serial No. 601,048. 4 Claims. (Cl. 267—54.)



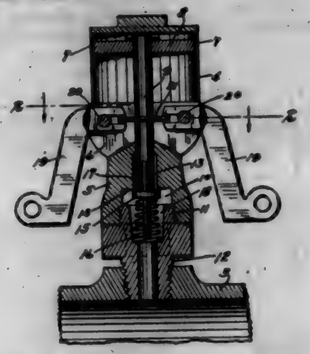
1. The combination with a motor truck chassis frame, of shackles supported thereon, springs having the front ends thereof supported on said shackles, housings secured to the sides of the rear portion of said frame, studs supported in said housings, said springs having the rear ends thereof engaged on said studs, and plates formed on said housings above the rear portions of the springs adapted to be contacted by said springs to permit said springs to compensate for heavy loads when carried by the truck.

1,532,125. DEVICE FOR FIRING EXPLOSIVES BY ELECTRICITY. ALEXANDER DJIDICS, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 21, 1924. Serial No. 751,281. 5 Claims. (Cl. 102—10.)



2. An electrically fired match comprising a flat plate of insulating material constituting a base, a pair of metallic plates, the outer edges of which are engaged about the outer edges of the base and the inner edges of which are engaged with the edges of an opening formed through said base.

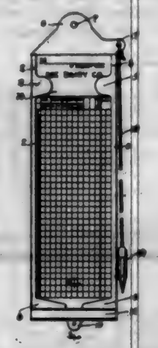
1,532,126. RELEASE RELIEF VALVE FOR AIR-BRAKE SYSTEMS. HARTWELL L. EDRIDGE, Minneapolis, Minn. Filed Mar. 14, 1924. Serial No. 699,214. 5 Claims. (Cl. 303—80.)



1. A relief valve comprising a valve casing having a valve seat and a primary relief port connected therewith, a cylinder having a lateral secondary relief port, a piston working in said cylinder, normally closing said secondary relief port, an air passage opening into said primary relief port and leading to the outer end of the cylinder, the initial opening movement of said check valve serving to admit air to the outer end of said cylinder and the air thus admitted serving to move said piston into a position to open said secondary relief port and hold said check valve in a position to keep said primary relief port open until the pressure of air in said valve casing has been reduced toward atmospheric pressure.

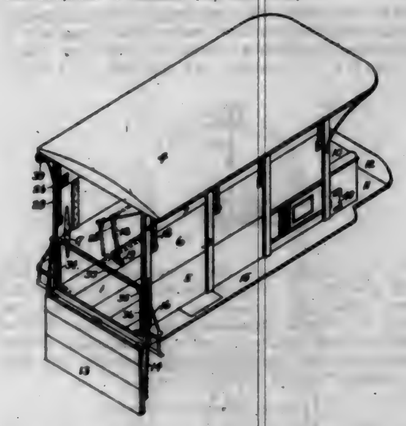
1,532,127. CARD HOLDER. ROSALIE N. ELLIOTT, Evanston, Ill. Filed Mar. 7, 1923. Serial No. 623,852. 1 Claim. (Cl. 40—16.)

A milk card holder comprising, in combination, a body, inturned lips along opposite edges of said body, integral lugs extending out from said lips to bear against the surface of an inserted card and hold the same in place, a positive abutment across the bottom edge of the in-



serted card rendering said edge inaccessible for purposes of removal, and shields extending across the major portion of the face of the card just above its lower edge to prevent buckling.

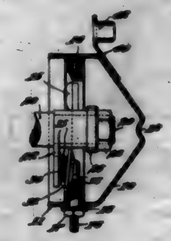
1,532,128. CONVERTIBLE VEHICLE. JOHN P. FLETCHER, U. S. Army. Filed Nov. 24, 1923. Serial No. 676,768. 7 Claims. (Cl. 296—19.)



1. In a vehicle of the class described the combination with a body; of a side closure collapsible intermediate its longitudinal edges to form upper and lower units normally disposed with their adjacent edges in abutting relation, means pivotally interconnecting the upper portions of the respective units to permit adjustment of one unit to a horizontal and the other to a plane inclined with respect to the horizontal and means to effect securement of the respective units in their adjusted position.

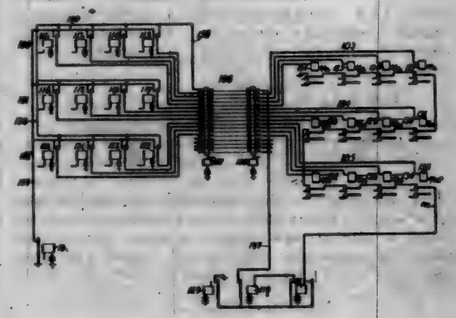
6. In a vehicle of the character described the combination with a body including a floor, top and side closures collapsible intermediate their longitudinal edges; of means pivotally interconnecting the upper edges of the units of the respective side closures to enable the lower units to be horizontally positioned with their longitudinal edges in adjacent relation and the upper units in the position initially occupied by the lower units, to a stretcher deck with side units disposed at its longitudinal edges and means for securing the units in adjusted position.

1,532,129. COMMUTATOR. EDWARD A. FRISS, Dorchester, Mass., assignor, by mesne assignments, to Francis J. V. Dakin, Boston, Mass. Filed Feb. 5, 1921. Serial No. 442,685. 7 Claims. (Cl. 200—24.)



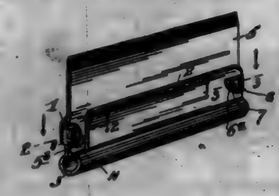
4. In a commutator, the combination of a plurality of fixed contacts set in a ring of insulating material, a rotatable member and a disc contact carried by said rotatable member for slidably engaging said fixed contacts; said disc contact being loosely mounted to permit tilting in all directions.

1,532,130. CONTROLLING MECHANISM. OWEN C. FROM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 5, 1924. Serial No. 690,707. 6 Claims. (Cl. 179—18.)



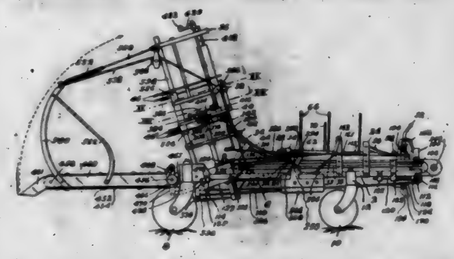
1. In combination, a plurality of register devices for receiving records, electrical contacts on said devices, a second plurality of registers, means for transferring a record from the first registers to the second registers, and means including said contacts for determining if the record has been transferred correctly.

1,532,131. RAZOR-BLADE HOLDER. HENRY J. GAISMAN, New York, N. Y. Filed Sept. 22, 1921. Serial No. 502,392. 1 Claim. (Cl. 30—12.)



A blade holder comprising a pair of spaced jaws, one of said jaws having a recess and the other jaw having a stop formed from the material of said jaw and extended along said jaw partly within said recess of the other jaw and partly in line with the space between the jaws, said stop having a cam-like inner edge opposing said space to engage a blade in said space.

1,532,132. GRAIN SHOCKER. RAY B. GAUNT, Breckenridge, Mo. Filed Sept. 26, 1921. Serial No. 503,304. 57 Claims. (Cl. 56—405.)



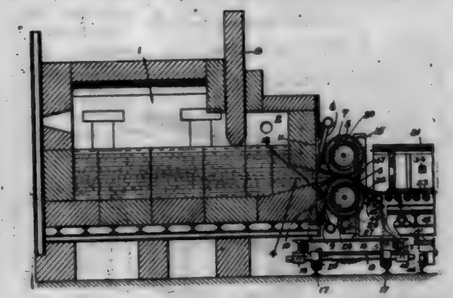
1. In a machine of the character described, the combination with a portable supporting frame, of cooperating shock forming arms mounted thereon, reciprocatory means for conducting bundles of grain to said shock forming arms and raising said bundles, a lower set of packers for alternately forcing the bundles into opposite sides of the shock forming arms, an upper set of packers cooperating with the lower set in forcing the bundles into the shock forming arms, and mechanism for opening the shock forming arms to discharge the completed shock therefrom.

1,532,133. STRAINER FOR COOKING VESSELS. FRANK GAWRONSKI, Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,439. 3 Claims. (Cl. 53—8.)



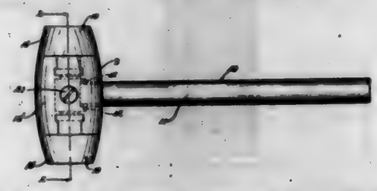
1. A device of the class described comprising a disk, and adjustable means thereon for gripping a vessel, including a pair of bars slidably mounted on said disk and having overlapping adjacent ends formed with longitudinal slots, and means for clamping said ends to the said disk.

1,532,134. METHOD AND APPARATUS FOR MAKING SHEET GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 12, 1922. Serial No. 567,581. 8 Claims. (Cl. 49—33.)



8. Apparatus for forming sheet glass, comprising a receptacle containing a bath of molten glass and having an outlet passage through its wall below the surface of the glass, a pair of fluid cooled rolling members spaced apart with the space therebetween adjacent the passage and in opposition thereto, a pair of lip members at the outer end of the passage projecting between the rolling members and serving as shields for the rolling members to reduce the area of contact between such rolling members and the glass, and means for rotating at least one of the rolling members to govern the speed of movement of the glass therebetween.

1,532,135. SECTIONAL HAMMER. WILLIAM H. GIBBS, Milwaukee, Wis. Filed Feb. 11, 1924. Serial No. 692,000. 4 Claims. (Cl. 145—36.)



4. A sectional hammer, comprising a handle formed with lips at one end thereof, a pair of complementary head sections formed with complementary grooves, a pair of contact ends, and means for clamping the lipped end of the handle and the contact ends in position within said grooves and between said head sections, the lips on said handle cooperating with the sides of said grooves to prevent longitudinal movement of the handle.

1,532,136. METHOD AND STRUCTURE FOR ANALYTICAL MEASURING OF WEIGHTS. ERNEST L. GRAY, New York, N. Y. Filed Nov. 3, 1921. Serial No. 512,512. 15 Claims. (Cl. 265—49.)



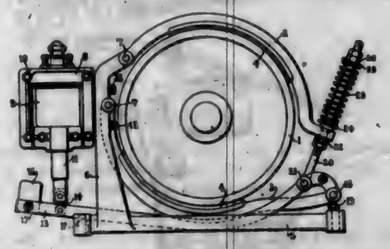
1. In a counter-poise, the combination of, a body portion providing an interior chamber; a cover for said chamber removably secured to the body portion and adapted to provide tightness for preventing chemical changes in said chamber; and a partitioning member manually removably insertible in said chamber and manually slidably movable therein.

1,532,137. TIRE CARRIER. WALTER R. GREEN, Chicago, Ill. Filed Feb. 1, 1922. Serial No. 533,208. 8 Claims. (Cl. 224—29.)



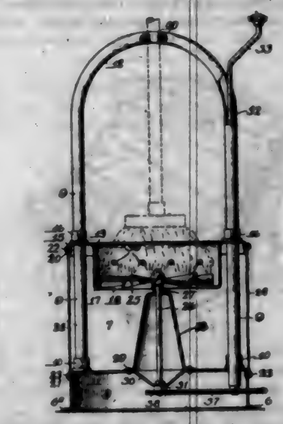
1. In a tire carrier, a main tire carrier having a pivoted section, a supplemental carrier having a swingable section attached thereto, and hinged means for locking said supplemental carrier to the main carrier against swinging movement.

1,532,138. ELECTROMAGNETIC BRAKE. HOWARD E. HODGSON, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 12, 1924. Serial No. 705,088. 10 Claims. (Cl. 188—171.)



1. The combination with a brake drum and cooperating brake shoes of a weighted operating arm tending to move under the action of gravity towards a given position, means operatively connecting said arm to said shoes to provide for release of the latter upon movement of the former out of said given position and spring means tending to move said arm out of said given position and to effect setting of said brake shoes, said spring means being ineffective after a slight initial movement of said arm out of said given position.

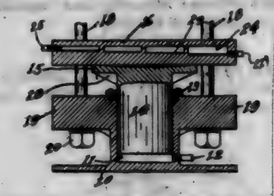
1,532,139. MOP CLEANER. HARRY H. HOOD, Chicago, Ill., assignor to Buford G. Lincoln, Chicago, Ill. Filed Dec. 29, 1920. Serial No. 433,808. 15 Claims. (Cl. 15—15.)



2. In a mop cleaner, the combination of a fan casing adapted to receive a mop therein and provided with bars to hold the mop, a dust collector chamber, a fan rotatably mounted in the fan casing for forcing a current of air through said casing to remove the dust from the mop and deposit it in said chamber, and means for operating said fan.

1,532,140. HYDRAULIC PRESS. EDWARD HUTCHENS, Milwaukee, Wis., assignor to Utility Manufacturing Company, Cudahy, Wis., a Corporation of Wisconsin. Filed Apr. 2, 1924. Serial No. 703,618. 4 Claims. (Cl. 18—17.)

1. In a hydraulic press comprising a hydraulic cylinder and suitable press plates therefor, a ram having a working surface machined concave to normally contact the press plate around the periphery of the working



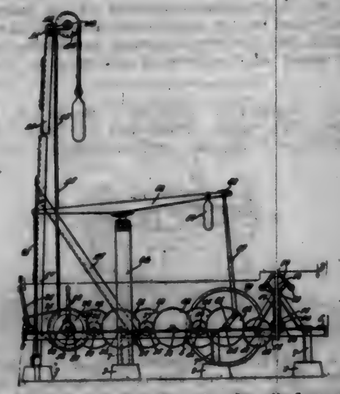
surface of the ram whereby deflection of the ram surface under maximum load will produce a surface of uniform contact between the ram and the press plate.

1,532,141. BRAKE BAND. PERCY GEORGE KENYON, Rochdale, England, assignor to Turner Brothers Asbestos Company Limited, Spotland, Rochdale, Lancaster, England. Filed May 10, 1924. Serial No. 712,202. 3 Claims. (Cl. 188—234.)



2. A brake band, comprising an envelope of fibrous material, and a metallic operating core passing through said envelope and provided with means within the envelope for gripping the same, the ends of said core extending outside of the envelope for attachment to brake-actuating mechanism.

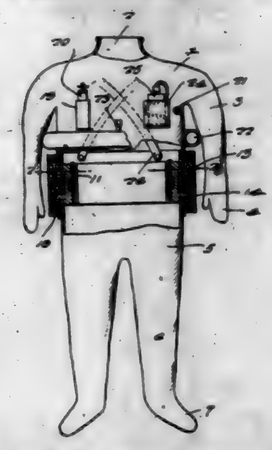
1,532,142. WEIGHT-MOTOR GOVERNOR. WILLIAM H. KIRER, Beggs, Okla. Filed July 17, 1923. Serial No. 652,138. 2 Claims. (Cl. 188—187.)



1. In a device of the character described, a governor including a shaft having a threaded portion, a driven wheel mounted on the shaft adjacent to the threaded portion and having a tapered bearing, a threaded cone operating on the threaded portion of the shaft, and adapted to move within the tapered bearing of the gear, an arm having connection with the cone, a vertically movable governor shaft, said arm having pivotal con-

nection with the lower end of the governor shaft, and said arm adapted to be moved to operate the cone and increase friction between the cone and tapered bearing to retard the movement of the gear.

1,532,143. LIFE-PRESERVING SUIT. ANGELOS KURTIS, Brooklyn, N. Y. Filed Oct. 4, 1924. Serial No. 741,739. 2 Claims. (Cl. 9—20.)



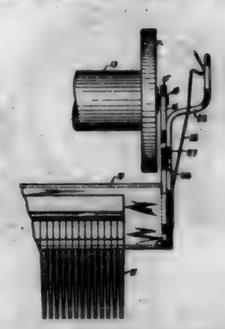
2. In a life preserving suit comprising an inflatable jacket, hand coverings on the ends of the sleeves of the jacket, an inflatable trousers portion, foot coverings on the lower ends of the legs thereof, the adjacent ends of the jacket and trousers portion being arranged in overlapping relation, means encircling the waist line of the wearer for holding the jacket and trousers portion in air tight and water tight relation, said means comprising complementary sections detachably secured together at their respective ends and arranged on the inside of the suit, ribs on the outer face of said sections for engagement with the overlapping portions of the jacket and trousers, and a band extending around the waist line on the outside of the garment, means associated with the band for cooperation with the bulged portions of the overlapping portions of the jacket and trousers formed by the ribs on the complementary sections, said last mentioned means comprising rubber strips arranged on the inside of said band.

1,532,144. SHIPPING BASKET. HARRY C. LINK, Traverse City, Mich. Filed May 12, 1924. Serial No. 712,733. 5 Claims. (Cl. 217—124.)



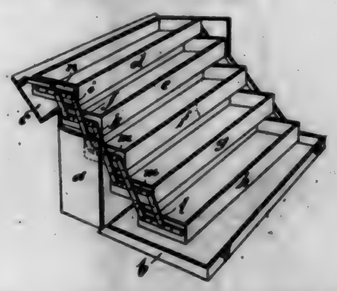
1. In a receptacle, the combination of a body unit comprising staves and top and bottom hoops, a bottom unit comprising a rim and crossed slats secured thereto, said bottom unit being adapted to be disposed within the bottom hoop of said body unit, said body unit being provided with bendable fasteners engageable with said rim of said bottom unit for securing the same in position, and a cover unit comprising a rim and crossed outwardly bowed slats secured thereto, coacting as specified.

1,532,145. TUBE FRAME FOR AXMINSTER LOOMS. GEORGE DEWEY LOCKWOOD and WALTER H. WAKEFIELD, Worcester, Mass., assignors to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1923. Serial No. 675,470. 7 Claims. (Cl. 139—10.)



4. In a tube frame for Axminster looms, a yarn tube supporting bar, a spool bearing member secured to the bar, means on said bar projecting beyond the spool bearing member and presenting a lifting edge, a detachable chain engaging member attached to said first named member, and a rib formed on said chain engaging member and lying under the lifting edge, and a chain hook member carried by said chain engaging member.

1,532,146. PORTABLE RECEPTACLE SUITABLE FOR CONTAINING AND DISPLAYING ARTICLES SUCH AS TRAVELERS' SAMPLES. CHARLES HENRY LYDE, Dorridge, England. Filed Sept. 14, 1921. Serial No. 500,593. 1 Claim. (Cl. 190—17.)



A case having a hinged lid, and also having a closure at one side, a plurality of superposed trays, lazy tongs links connecting said trays together, and links pivotally connected to the lid and also pivotally connected to the uppermost tray, whereby when the hinged lid is raised and turned in one direction the trays are moved in substantially opposite directions and arranged automatically in lateral offset relation to one another, and when said lid is closed the said trays are arranged entirely within the case and in vertical relation one immediately below another.

1,532,147. COMBINATION TOOL. KENNETH MACPHERSON, Nanton, Alberta, Canada. Filed Dec. 21, 1922. Serial No. 608,338. 2 Claims. (Cl. 7—8.)

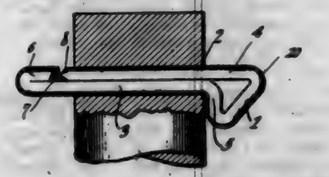
1. A fence tool comprising two similar members recessed intermediate their ends for pivotal union with each other, the one member including a removable staple-pulling element inset on the outer face thereof,

a plier jaw, a hammer head, and a wire cutting edge; the other member including a removable staple-pulling



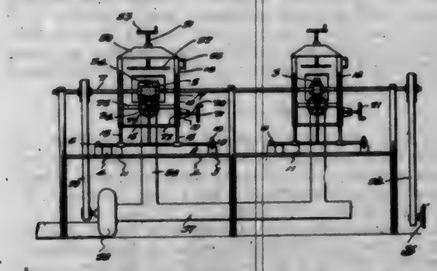
element similarly inset, a plier jaw, a claw element, and a wire cutting edge, said elements functioning in pairs upon co-action of the two members.

1,532,148. COTTER KEY. MACKEY K. MALONE, Wills Point, Tex., assignor of one-half to D. Leon Sanders, Wills Point, Tex. Filed Jan. 15, 1925. Serial No. 2,651. 3 Claims. (Cl. 74—8.)



1. A cotter pin having a pair of legs of different lengths with a bendable head connecting one end, the terminal of the longer leg being folded inwardly and arranged in alinement with the short leg, the meeting ends of said legs having abutting biting engagement whereby the body portion of the longer leg is bent laterally on the longitudinal movement of the shorter leg in one direction.

1,532,149. PAPER-EDGING MACHINE. BEN S. OLSON, St. Joseph, Mo. Filed Apr. 16, 1924. Serial No. 706,953. 4 Claims. (Cl. 92—68.)



1. A machine for decollating paper comprising a frame, standards slidably mounted upon the frame, manually operable means for moving the standards along the frame, a platform mounted for vertical movement upon the standards, means carried by the platform and adapted to be manually operated for raising and lowering the platform along the standards, a cutting element journaled for rotation above the platform and having a series of radially disposed cutting blades and means for securing a stack of sheets upon the platform.

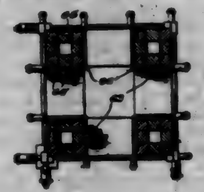
1,532,150. PIPE LIFTER. HARALD T. OLSON, Elsie, Nebr. Filed May 20, 1924. Serial No. 714,674. 1 Claim. (Cl. 294—86.)

A pipe lifter comprising a shank, a reducing nipple threaded on the lower end thereof, a pipe engaging member carried by the reducing nipple, a sleeve threaded on the upper end, a packing nut threaded into the upper end of said sleeve and spaced from the upper edge of the shank, a swivel member, the lower end thereof being



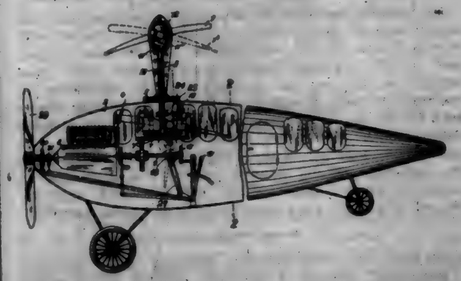
reduced and extending through said packing nut, and a head on the reduced end of the swivel member, disposed between the packing nut and the upper end of the shank.

1,532,151. HOIST CONSTRUCTION. JOHN W. OSTRANDER, Madison, Wis. Filed Jan. 31, 1924. Serial No. 689,725. 4 Claims. (Cl. 212—144.)



1. A structural beam composed of a plurality of longitudinal members, spacers between said members, clamping devices bearing against the outlet faces of said members and said spacers and encircling the same, said clamping devices being slidably engaged one with another, and means fitted to said devices to effect longitudinal movement of the several devices and bind them around the beam.

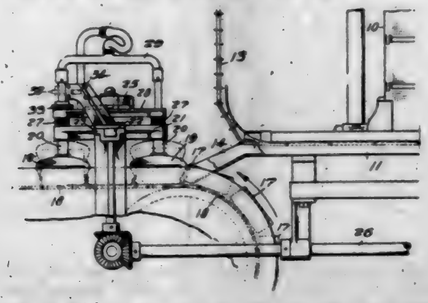
1,532,152. FLYING MACHINE. ERICH OTTO, Stettin-Podejuch, Germany. Filed Apr. 29, 1924. Serial No. 709,936. 3 Claims. (Cl. 244—15.)



1. A flying machine of the character described comprising a fuselage, a rotatable mast surmounting said fuselage, a pair of horizontal, coaxial shafts held rotatably by said mast, carrying planes connected to said

shafts, means for rotating the mast, means for pitching the planes about the shafts so that they will act as a lifting propeller when the mast is rotated, a pair of horizontal, coaxial shafts held rotatably in the fuselage, carrying planes connected to said latter shafts, and means for adjusting said latter shafts rotatively for varying the angular position of their planes.

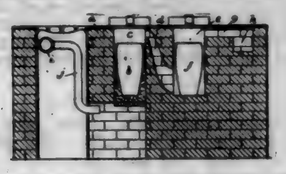
1,532,153. MATCH-BOX-FILLING MACHINE. TOM A. PALMER, Akron, Ohio. Filed June 30, 1924. Serial No. 723,320. 11 Claims. (Cl. 226—11.)



7. The combination of the filler trough of a match machine, means for guiding boxes to be filled and means receiving matches from the trough and movable between the trough and boxes for transferring matches from the trough to the boxes in successive layers, the matches of successive layers being delivered by said transfer means in reverse position as to the heads thereof.

11. The combination of means for moving slender articles in parallel order in a direction crosswise of their length, a support for boxes or receptacles, and pneumatic means for transporting such articles to said boxes or receptacles comprising a pneumatic head movable to and from a position above said support, said head having on its exterior opposite article engaging surfaces to maintain such articles in parallel order.

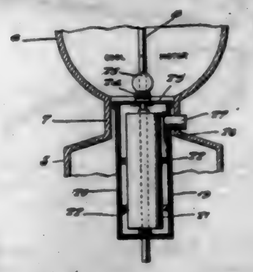
1,532,154. CRUCIBLE FURNACE. FREDERICK GEORGE PENNY, London, England. Filed July 29, 1922. Serial No. 578,505. 1 Claim. (Cl. 263—11.)



In crucible furnaces of the type herein specified, the employment of communicating channels with respectively narrow inlets leading from the top of the main furnace and which gradually diverge and curve into wide mouths at the bottom of the auxiliary chambers, in combination with subsidiary flues from the latter chambers to the main flue which also splay open to a wider outlet mouth whilst they curve towards the main flue outlet end, together with a small by-pass branch from the last pipe to the interior end of the main flue to cause a gentle induction in the aforesaid specially shaped subsidiary flues, substantially as herein described.

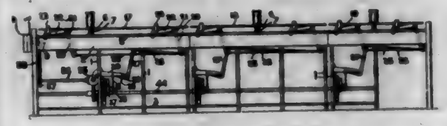
1,532,155. ILLUMINATING MEANS FOR MOTOR METERS. JOSEPH A. PRIVETT, Monroe, N. C. Filed Oct. 18, 1923. Serial No. 668,322. 1 Claim. (Cl. 240—2.)

A motor meter comprising a casing having a rim portion and a neck portion, the rim portion being open at its opposite sides and the openings thereof covered with transparencies, a thermometer extending through the neck portion and entering the rim portion, a battery-support located in the neck portion, a bulb mounted



upon said support and disposed in the rim portion between the transparencies and a push button switch mechanism passing transversely through the battery support and the neck portion of the casing.

1,532,156. SPOOLER FOR WINDING SPOOLS OF DIFFERENT LENGTHS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 1, 1924. Serial No. 747,144. 10 Claims. (Cl. 242—43.3.)



1. A spooler adaptable to wind spools of different lengths simultaneously comprising a series of rotatable spool carriers and means for rotating the same, a plurality of separately movable traverse rods having guides, each of which co-operates with a spool of said series, means for actuating each of said traverse rods independently of the others in correlation to the speed of rotation of the spools and the length of the spools with which such traverse rod co-operates.

1,532,157. PROCESS FOR THE DESTRUCTION OF NOXIOUS INSECTS. HERMANUS GERARDUS RINGELING and NEELTJE LOUWRINA WIBAUT-ISEBREE MOENS, Amsterdam, Netherlands. Filed Sept. 7, 1923. Serial No. 661,514. 4 Claims. (Cl. 167—6.)

1. An insecticidal process, comprising the steps of depositing insect-infested articles in an air-tight container; extracting the air from the container; introducing ammonia gas into said container to act on the articles therein for a given period; and thereafter removing said gas from the container and from said articles.

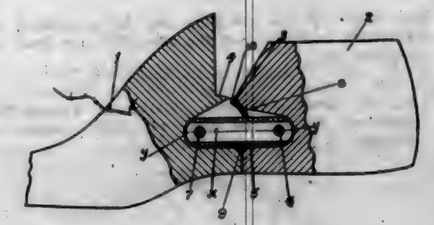
1,532,158. AIRSHIP PROPELLER. GEORGE H. SANFORD, Meadville, Pa. Filed Oct. 8, 1923. Serial No. 667,849. 3 Claims. (Cl. 170—159.)



1. An all metal propeller comprising a hollow cylindrical hub, blades radiating therefrom and integral therewith, each blade being transversely concaved and

pitched at an angle to its plane of rotation, reinforcing ribs extending longitudinally upon the working surfaces of each blade, an attachable flat plate connecting the bottom edges of the ribs and extending from the leading to the trailing edge of each blade and from the hub to the outer end of each blade, reinforcing plates closing the ends of the hub, and inwardly extending shaft engaging sleeves upon the plates on the hub.

1,532,159. LAST. JOHN C. SCHELTER, Rochester, N. Y. Filed Oct. 28, 1924. Serial No. 746,423. 8 Claims. (Cl. 12—130.)



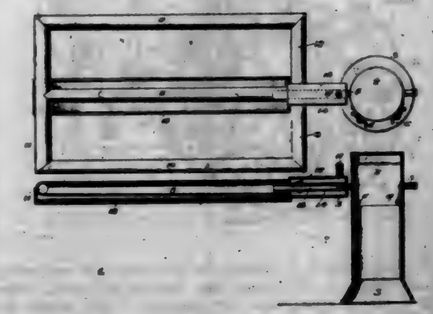
1. A last comprising a fore part having its rear end cut to form a convex cylindrical bearing, a heel part having its forward portion formed with a concave cylindrical bearing cooperating with the cylindrical bearing on the fore part, a bonding member pivoted to the heel part and the fore part, the center of the cylindrical bearings on the heel part and the fore part lying above a line intersecting the centers of the pivots of the bonding members when the last is expanded and below said line when the last is collapsed, one of said cylindrical bearing surfaces having a seat therein, and a resilient member arranged in said seat to cooperate with the other cylindrical surface.

1,532,160. GAME AND TOY. JOHN K. SEYMOUR, Elyria, Ohio. Filed Jan. 9, 1922. Serial No. 527,835. 4 Claims. (Cl. 273—119.)



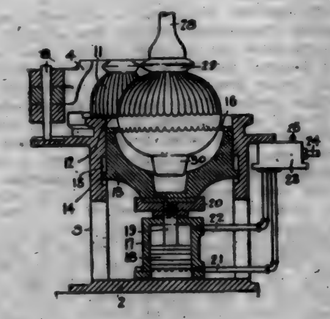
4. In a game apparatus, a combination with a frame, a dished top therefor, a central opening within the said dished top, a rotatable wheel disposed within the said opening and rotatable out of contact with the said top, said top being divided into a plurality of spaces bordering around the said opening, a plurality of projections extending above the surface of the wheel and closely spaced together, a ball adapted to be placed in the said dished top and against the said projections, the diameter of the ball being greater than the distance separating the projections, and means to prevent the ball from coming to rest on the dividing line between the dished top spaces.

1,532,161. HEATING SYSTEM FOR INCUBATORS. HENRY M. SHEER, Quincy, Ill., assignor to H. M. Sheer Company, Quincy, Ill., a Corporation of Illinois. Filed Feb. 11, 1920. Serial No. 357,876. 4 Claims. (Cl. 237—14.)



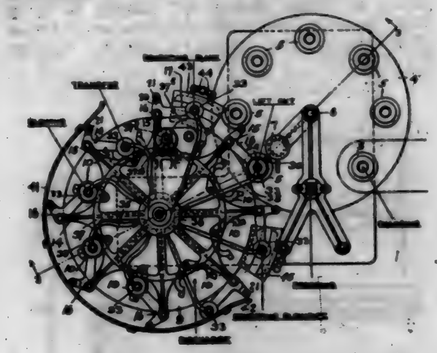
4. A hot air system including a distributing pipe, a return pipe, a pipe for connecting the distributing pipe with the return pipe, a supply pipe extending into the distributing pipe, a suction chamber surrounding the supply pipe and communicating with the return pipe and with the distributing pipe, and a source of heat discharging into the supply pipe.

1,532,162. MOLD FOR MAKING GLASSWARE. FREDERICK W. STEWART, Oak Park, Ill., assignor to Inland Glass Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 23, 1923. Serial No. 620,673. 2 Claims. (Cl. 49—42.)



1. A mold for forming articles of glassware comprising an upper mold part made up of horizontal swinging sections, the inner walls of said mold part having flutes formed therein terminating in scallops, a vertically movable lower mold part having scallops at its upper edge engaging with said first named scallops, a cylinder, a piston, connections between said lower mold part and said piston, and means for admitting fluid to points above and below said piston.

1,532,163. METHOD OF FORMING HOLLOW GLASSWARE. FREDERICK W. STEWART, Oak Park, Ill., assignor to Inland Glass Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 23, 1923. Serial No. 620,674. 2 Claims. (Cl. 49—79.)



1. The method of forming hollow glassware consisting in providing a sticking-up tool, heating said tool, pressing a blank, sticking-up the open-end of the blank, introducing the blank into a blow-mold, and blowing the blank with air admitted through the sticking-up tool.

1,532,164. DRAFT EQUALIZER. KORBINIAN THALHAMMER, Coon Rapids, Iowa. Filed Sept. 22, 1923. Serial No. 664,170. 1 Claim. (Cl. 278—12.)



A draft equalizer comprising a relatively long cross bar disposed transversely of the line of draft, levers pivotally mounted at the ends of the cross bar and normally disposed parallel with the line of draft, inner and outer levers pivoted at their forward ends to the intermediate portion of the cross bar and disposed rearwardly thereof and extending in the line of draft, the last mentioned levers being pivoted at a point nearer one end of the cross bar than the other, a link rod pivotally connected with the rear end portion of the inner lever and pivotally connected at its other end with the lever at the shorter end of the cross bar, a link rod pivotally connected with the inner lever at a point between the cross bar and the point of pivotal connection of the first mentioned link rod with the inner lever, and pivotally connected with the lever at the longer end of the cross bar, the rear end portion of the outer lever extending beyond the rear end of the inner lever, and adapted to be connected with a draft appliance.

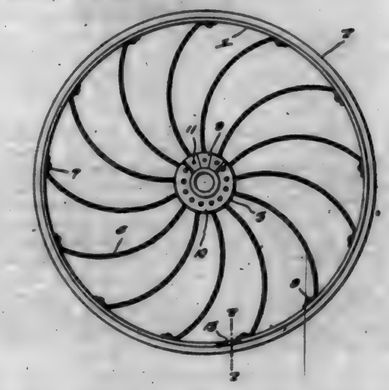
1,532,165. SOAP-STICK HOLDER. GEORGE WESLEY TINDALL, Toronto, Ontario, Canada, assignor to C. E. Fulford Limited, Toronto, Ontario, Canada, a Company of Great Britain. Filed Dec. 29, 1923. Serial No. 683,383. 2 Claims. (Cl. 206—56.)

1. A soap stick holder comprising a cylindrical casing, a closing cap for the casing, a soap stick cap in which a soap stick is adapted to be permanently inserted, a threaded connection between the soap stick cap and container cap, and interengaging means formed in the



soap stick cap and container cap for preventing the inadvertent unscrewing of the soap stick cap from the container cap.

1,532,166. SPRING WHEEL. WALTER E. WEAVER, Nacogdoches, Tex. Filed Mar. 14, 1924. Serial No. 699,286. 1 Claim. (Cl. 152—50.)

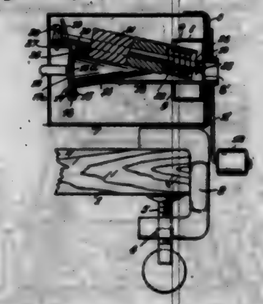


A spring wheel of the class described comprising a continuous rim having a flat peripheral portion provided on one edge with a tire engaging flange, a hub embodying an annular groove forming a pocket on one side thereof, a plurality of longitudinally bowed spring spokes interposed between the rim and hub, said spokes interposed between the rim and hub, said spokes being provided on their inner ends with wedge-shaped enlargements forming heads for reception in said pocket, said heads being disposed in abutting relation, a face plate closing said pocket on one side, said plate, heads, and hub being formed with aligned bolt holes, bolts passing through said holes for retaining the plate, heads and hub in assembled relation, the outer ends of said spokes being bent at an angle and bearing against the flat peripheral portion of said rim, and fastenings for securing said angularly bent ends to the rim, the points of anchorage of the outer ends of the spokes being shifted circumferentially, so that each spoke has its outer end anchored at a point out of radial alignment with respect to the hub connection.

1,532,167. PENCIL SHARPENER. ERNST WEILER, Berlin, Germany, assignor of one-half to Weiler & Co., G. m. b. H., Berlin, Germany. Filed Apr. 17, 1924. Serial No. 707,237. 2 Claims. (Cl. 120—96.)

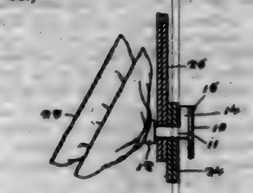
1. In a pencil sharpener of the character described, the combination with cutters adapted to revolve about their axes as well as about the pencil point, of springs tending to impart axial motion to the cutters, and a

plate arranged so as to oppose such motion, the plate being arranged obliquely relative to the axis of rota-



tion of the cutters so as to impart an axial reciprocating motion to the cutters in cooperation with the springs.

1,532,168. COMBINED COLLAR BUTTON AND TIE FASTENER. CHARLES A. BELL, Medina, N. Dak. Filed July 21, 1924. Serial No. 727,327. 2 Claims. (Cl. 24—64.)



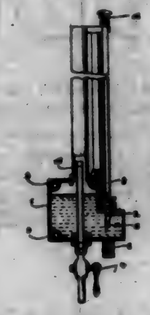
1. A combined collar button and tie fastener comprising separable members, one member including a base and a hollow shank projecting centrally therefrom, and a head from one end of the shank having an inclined surface, the other member including a plate, and a shank projecting centrally therefrom and adapted to be received by the shank of the first mentioned member, said plate being arranged obliquely on its shank to assume a position in parallel relation with the incline surface of said head when the parts are associated, and means for holding said members together for the purpose specified.

1,532,169. METHOD OF AND MEANS FOR MEASURING TRANSMISSION. FRED H. BEST, Westfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 6, 1919. Serial No. 322,085. 19 Claims. (Cl. 179—175.)



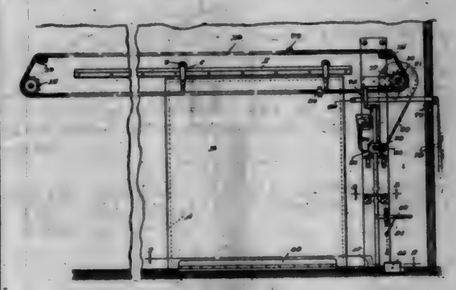
1. The method of determining the transmission equivalent of an electrical device, which consists in associating said device with an arrangement of apparatus having a known transmission equivalent, then reducing the value of the transmission equivalent of said device to restore the combination to the equivalent value of the device alone before said association, and determining the extent of the change in the value of said transmission equivalent.

1,532,170. PRESSURE-INDICATING APPARATUS. MAURICE BOUFFART, Herstal, Belgium. Filed Mar. 6, 1922. Serial No. 541,614. 2 Claims. (Cl. 73—81.)



1. A liquid pressure indicating apparatus, comprising, a reservoir for containing liquid, an indicator tube, open to atmospheric pressure, and having a graduated scale with its zero between the middle and the upper end of the scale, a pressure tube having an enlarged portion on which acts the pressure to be measured, both said tubes being entered into said reservoir, a conduit for conducting the pressure to be measured, said conduit entering the said pressure tube at its base, said enlarged portion being positioned at a level between the middle and the upper part of the apparatus, to coincide with the level of the zero of the graduation of the indicating tube.

1,532,171. DOOR-OPERATING MECHANISM. PAUL BURMEISTER, near Fulda, Minn., assignor of one-half to Charles West and one-half to Delmer M. Mead, Fulda, Minn. Filed June 23, 1923. Serial No. 647,389. 9 Claims. (Cl. 268—8.)



1. Operating mechanism for a slidably mounted door, comprising a chain trained about sprockets and connected with the door, a motor having a drive connection with one sprocket, a reversing switch for the motor, a longitudinally movable rod located at one side of the door-way and connected with the switch, and treadle operated means at both sides of the door-way for moving said rod.

1,532,172. MEANS FOR RECEIVING WEAK SIGNAL CURRENTS. JOHN R. CARSON, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 18, 1918. Serial No. 240,631. 5 Claims. (Cl. 178—63.)

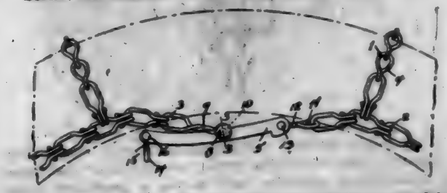
1. The combination with a main line having distortion and attenuation, a correcting network com-

prising an inductance, a resistance and a capacity in series, and input and output circuits for said network



arranged to give said inductance an auto-transformer operation for increasing the voltage in the output circuit.

1,532,173. COUPLING-TIGHTENER BAR. PETER H. CLOOS, Jr., Watertown, S. Dak. Filed Apr. 28, 1923. Serial No. 635,386. 2 Claims. (Cl. 24—69.)



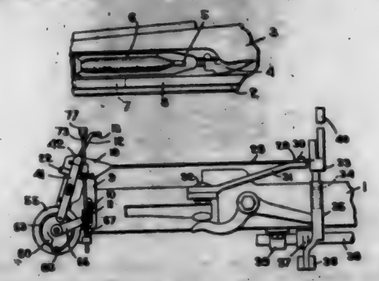
1. A coupler and tightener for tire chains comprising a lever bar, a fulcrum intermediate the ends of the bar for the connection of one end of the chain, a hook pivotally connected to the bar adjacent one end thereof and constituting means for the connection of the bar with the other end of the chain, and a hook freely pivotally connected to the bar adjacent the other end thereof and having a laterally presented bill for locking engagement with one of the links of the chain adjacent the last-mentioned end thereof when the lever bar has been swung about its fulcrum to draw the ends of the chain together.

1,532,174. WRENCH. JAMES M. CROCKER, Terre Haute, Ind. Filed Mar. 15, 1924. Serial No. 699,485. 1 Claim. (Cl. 81—137.)



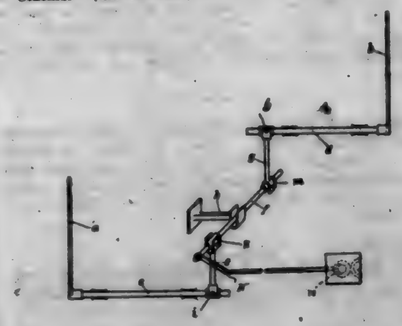
A wrench comprising a handle portion having a jaw at one end thereof, said handle portion having teeth, a movable jaw adapted to operate over the handle portion, a securing member having teeth formed along one of its edges and mounted eccentrically in the movable jaw, said securing member having flattened side surfaces and a flattened end surface, a flat spring member secured to the movable jaw and adapted to engage the flattened end surface to hold the securing member in its active position, said spring adapted to engage one of the flattened side surfaces to hold the securing member in its inactive position, and an extension formed integral with the securing member to operate the securing member.

1,532,175. FEELER MECHANISM FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar. 12, 1923. Serial No. 624,362. 23 Claims. (Cl. 139—270.)



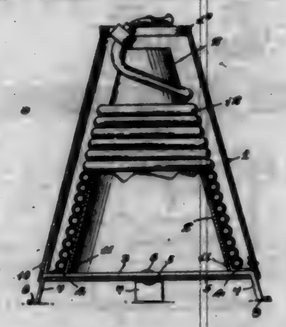
1. A feeler mechanism for looms comprising a feeler support, a feeler movably mounted on the support, means for yieldingly projecting the feeler rearwardly, a detent device acting to engage the feeler and hold it against rearward movement, means acting at regular intervals to release the feeler from the detent device and thus allow the feeler to be projected rearwardly to co-operate in normal manner with the filling in the active shuttle, means acting to project the detent device bodily rearwardly after the feeler is released whereby, if the said filling is not depleted to a predetermined amount, the feeler will be moved by the filling into reengagement with the detent device and means to restore the detent device to retracted position after it has been re-engaged by the feeler whereby the feeler, when in unreleased or inoperative position, is held well out of contact with the filling.

1,532,176. MOTOR VEHICLE OF ANY KIND. FRIEDRICH GAUSS, Oberturkheim, Germany, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Filed July 21, 1922. Serial No. 576,636. 8 Claims. (Cl. 74—89.)



1. In a motor vehicle, the combination with change speed gear and a shaft operatively connected therewith; of devices at each end of said shaft adapted to operate the same in a direction longitudinal of the said shaft and also to rotate the same, said shaft in being submitted to rotation and to longitudinal displacement, being simultaneously exposed to a swinging motion; the above mentioned operating devices at each end of said shaft being so connected to said shaft that when such devices at one end of said shaft are operated, thereby operating said shaft, the devices at the other end of said shaft are also operable in a corresponding manner; means also being provided to enable all movements of said shaft being carried out in the same plane.

1,532,177. HOSE HOUSING. WILLIAM V. GIST, St. Joseph, Mo., assignor of one-half to De Witt C. McCall, Jr., St. Joseph, Mo. Filed Mar. 28, 1924. Serial No. 702,648. 3 Claims. (Cl. 248—28.)



1. A device of the character described comprising a base, a tapering supporting member secured upon said base, a protective casing secured upon said base in encircling spaced relation to said supporting member, said casing being open at its upper end, said base comprising a pair of bars crossed intermediate their ends and being provided with depending supporting portions.

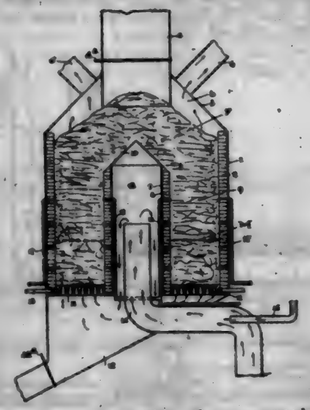
1,532,178. LUBRICATOR. LOUIS A. GODBOLD, Houston, Tex. Filed July 25, 1921. Serial No. 487,441. 7 Claims. (Cl. 255—71.)



1. In a roller boring drill, the combination with a head having rotary cutters mounted on bearings thereon, of a lubricator barrel on said head, ducts therefrom constantly open to said bearings and means in said lubricator barrel to exert a gas pressure on the lubricant in said barrel to force it continuously through said ducts to said bearings.

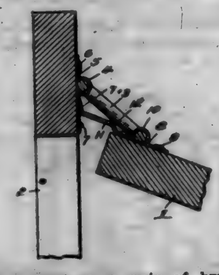
1,532,179. GAS PRODUCER. JOHN BARNES GOODWIN, Elko, Nev. Filed Apr. 14, 1923. Serial No. 632,084. 3 Claims. (Cl. 48—63.)

2. A gas producer comprising an outer casing and an inner casing defining a fuel space between the two casings, a grate supported by the casing, a lining of fire resistant material provided on the inner wall of the outer casing and on the outer wall of the inner casing, means for supplying a heated combustion supporting gaseous fluid to the inner casing which is distributed to the fuel between the inner and outer casings, pyrometric means embedded in the walls of the inner casing and the walls of the outer casing for maintaining a



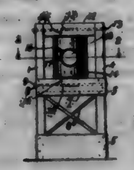
constant temperature within the gas producer, and means for discharging the gases produced from the fuel.

1,532,180. HINGE CONSTRUCTION. WILLIAM J. GROSS, Westphalia, Mich. Filed Oct. 21, 1924. Serial No. 744,918. 2 Claims. (Cl. 16—163.)



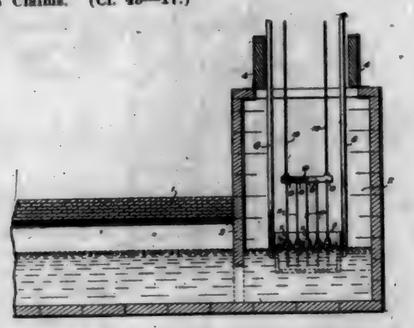
2. In a hinge structure, a pair of brackets having loops, a link pivotally engaged with the loops, one bracket provided with outwardly extending lips, and the other bracket provided with an extension offset in relation thereto so as to extend over the lips when in a closed position and to engage the lips when in an open position.

1,532,181. BEARING. CLAUDE C. HAIGLER, San Jose, Calif. Filed June 21, 1923. Serial No. 646,865. 1 Claim. (Cl. 64—54.)



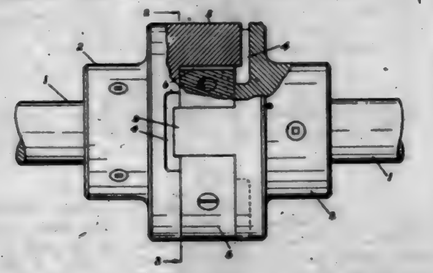
A bearing, comprising a plurality of upright corner pieces, a base member rigidly supported by said corner pieces, the upper end of said base member being provided with a cylindrical socket, a top member adjustably secured to the upper end of the corner pieces and provided with a cylindrical socket on the lower surface thereof, the said sockets of the base and top members being in axial alignment and a bearing member having a transverse opening and provided with upper and lower reduced trunnion portions adapted to fit within said cylindrical sockets in the base and top members.

1,532,182. METHOD OF DRAWING GLASS AND APPARATUS THEREFOR. WILLIAM E. HEAL, Washington, D. C. Filed Mar. 27, 1923. Serial No. 628,134. 3 Claims. (Cl. 49—17.)



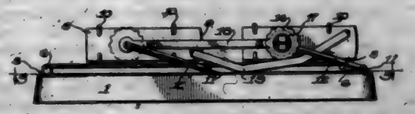
1. The method of drawing glass which comprises lowering a box-like receptacle having spaced slots in its side walls, into a body of molten glass, raising said receptacle and maintaining it above said body of molten glass whereby the glass in said receptacle will tend to flow through said slots by gravity and return to said body of molten glass, and drawing sheets of glass from the glass in said receptacle.

1,532,183. SHAFT COUPLING. EUGENE HIGGINS, Jackson, Mich. Filed Aug. 6, 1923. Serial No. 655,983. 2 Claims. (Cl. 64—96.)



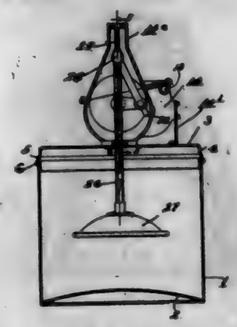
1. A shaft coupling comprising a pair of shaft members, each having driving lugs and recesses adapted to receive the driving lugs of the other member, and a cruciform coupling member coacting with the lugs of both shaft members, said coupling member being formed of fibrous material, said driving lugs projecting through said coupling member and into the said recesses of the other member whereby there is a bearing engagement of the driving lugs with the coupling member extending entirely across the same.

1,532,184. TOASTER. BERTRAND B. KAHN, Hamilton, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a Corporation of Ohio. Filed July 30, 1923. Serial No. 654,639. 13 Claims. (Cl. 53—5.)



2. In a toaster, the combination of a heating element, a support oscillatory toward and from the heating element, a slice holder having its opposite ends pivotally secured to said support, and means including translating means to move said slice holder about its pivot.

1,532,185. WASHING MACHINE FOR LIGHT HOUSEHOLD SERVICE. ROBERT H. KIRBY, St. Louis, Mo. Filed Jan. 16, 1922. Serial No. 529,486. 1 Claim. (Cl. 74—14.)



In a device of the class described, a support, a casing mounted thereon, an intermediate vertical partition therein dividing the same into two compartments, gearing in one compartment embodying a rotatable shaft extending through a bearing in said partition into the other compartment, a motor on said support connected to said gearing, a vertical extension forming part of said second compartment, a depending guide rod in said extension, a hollow plunger rod in said second compartment mounted to reciprocate on said guide rod, and a crank and pitman connection between said rotatable shaft and plunger rod for reciprocating the latter on its guide rod.

1,532,186. GAME OF SKILL. BENJAMIN F. KLEIN, Chicago, Ill. Filed Mar. 29, 1923. Serial No. 628,413. 5 Claims. (Cl. 273—95.)



1. Apparatus for playing a game of skill comprising an objective standard and a propelling standard, a basket on said objective standard, and a sling on said propelling standard for supporting a ball.

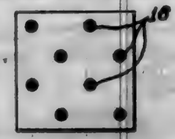
1,532,187. COIL-WINDING MACHINE. ALEXANDER H. KOPPRASCH, Chicago, Ill., assignor to Electric Service Supply Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 23, 1924. Serial No. 721,686. 7 Claims. (Cl. 140—92.2.)

1. A coil winding machine comprising a bar, two coil supporting heads slidable thereon, means to adjust the heads toward and from each other to vary the length of the coil, a pair of normally parallel stems one on each head and about which the coils are to be wound, and



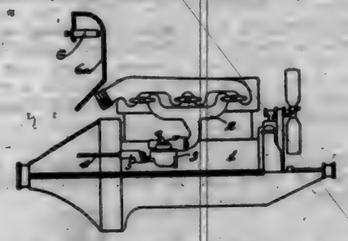
means to incline one stem to permit it to be moved out of parallelism with the other stem to facilitate removal of the coils.

1,532,188. LITHOGRAPHIC PRINTING PLATE AND PROCESS OF PREPARING THE SAME. JAMES KRAKER, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,214. 4 Claims. (Cl. 95—5.6.)



1. A photolithographic plate comprising a foundation of lithographic stone, a layer of hardened gum-like material disposed upon the stone, and a layer of sensitive greasy material separated from the stone by said layer of hardened gum-like material.

1,532,189. THERMOSTATICALLY-CONTROLLED HEATING ELEMENT. LEWIS H. LAMONT, Chicago, Ill. Filed Sept. 18, 1922. Serial No. 588,759. 8 Claims. (Cl. 219—38.)



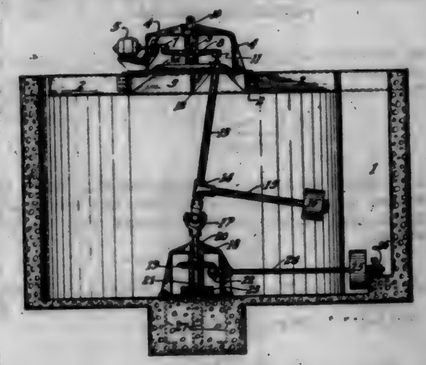
1. A heating device for fuel supply lines comprising an electrical heating element, a switch adapted to automatically maintain a closed electrical system until the heater element reaches a definite temperature and a thermostat adapted to permanently release said switch upon attaining said definite temperature.

1,532,190. PROCESS FOR THE MANUFACTURE OF ACETALDEHYDE. MARCEL JEAN LOUIS LEDEU and EDOUARD JOSEPH BACHMANN, Roussillon, France, assignors to Societe Chimique des Usines du Rhone, Paris, France. Filed Sept. 25, 1924. Serial No. 739,798. 5 Claims. (Cl. 260—158.)

1. A process of manufacture of acetaldehyde consisting in passing a stream of acetylene and oxygen through an acid solution of ferrous sulphate in the presence of copper salts and of metallic mercury.

1,532,191. DEVICE FOR THE APPLICATION OF POWER. ELMER E. LEMING, Salt Lake City, Utah. Filed Mar. 10, 1924. Serial No. 698,078. 1 Claim. (Cl. 74—14.)

A horizontal gear wheel, means for rotating same, a propeller shaft attached to the underside of such gear wheel by a ball and socket joint, and at the other end attached by universal joint to a continuation of such shaft, the continuation of such shaft carrying a gear revolving therewith, means for imparting the rotation of said last mentioned gear to other machinery, a shaft carrying a weight at its outer end rigidly attached to



the lower part of first mentioned shaft just above the universal joint, means for preventing the first mentioned shaft from being thrust by centrifugal motion so far outwardly as to cause a strain or stress on the first mentioned gear and a tank in which said machinery rotates substantially as shown and described.

1,532,192. TYPEWRITING MACHINE. JOHN C. MCLAUGHLIN, East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 13, 1921. Serial No. 469,095. 1 Claim. (Cl. 197—183.)



The combination of a platen, a type-bar pivoted to swing against the platen, means for operating the type-bar, and means adjustable to arrest the type-bar near the completion of its printing stroke and at the exact required distance from the platen, said arresting means comprising a stationary stop and a co-operative stop formed for adjustment on the type-bar, the latter stop in the form of a distortible eye integral with the body of the type-bar and projecting from said body and capable of being moderately opened or closed by bending the same.

1,532,193. LADY'S COMBINATION HAT. ISRAEL MALLOY, Fort Wayne, Ind. Filed Nov. 12, 1921. Serial No. 514,442. 2 Claims. (Cl. 2—172.)

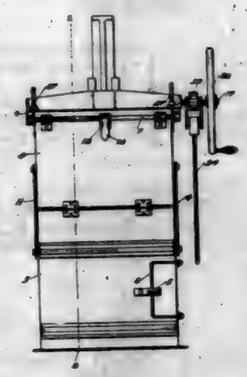
1. A hat comprising a crown, a horizontally extending brim secured thereto, buttons on said brim, a shield secured in said crown, strap extensions forming a part of said shield, loop members attached to said strap extensions, and buttons secured to said shield adapted to be

engaged by said loop members to hold the shield and said extensions secured around the neck of a person wearing the hat, said shield adapted when unbuttoned



to be turned up around said brim and then folded and engaged around the hat crown with said straps overlapping and the loop members engaged with the brim buttons.

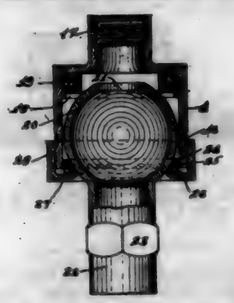
1,532,194. BALING MACHINE. WILLIAM H. MARTIN, Davenport, Iowa. Filed Mar. 10, 1920. Serial No. 364,744. 2 Claims. (Cl. 100—5.)



1. In a device of the class described, the combination of a receptacle provided with a hinged closure on one of its sides; a frame formed of two pairs of parallel cross-plates united at their outer ends by plates provided with wings extending rearwardly between the receptacle walls, and hingedly connected therewith, a rectangular frame at the inner ends of said cross-plates, forming a central vertical guide-way, said end-plates and guide-way being fitted with transverse shaft bearings; lips at the forward edge of said first-named frame projecting between the side-walls of said receptacle; slotted extensions at the forward edge of said first named frame; latches pivoted on said receptacle adapted for engagement with said extensions, to hold said first-named frame in closed position; and compression devices provided with a central controlling member vertically movable in said guideway.

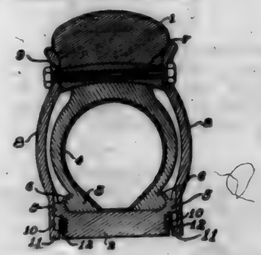
1,532,195. SWIVEL-JOINT COUPLING. ABRAHAM L. MORRISON, Dubuque, Iowa. Filed Feb. 4, 1922. Serial No. 534,047. 1 Claim. (Cl. 285—95.)

A swivel joint coupling, comprising a socket member, a ball member therein, a packing ring contacting with the outer side of said ball member, an annular interior flange in said socket member for retaining said packing ring in position, a second packing ring contacting with the other side of said ball member at the outer end of said socket member, a flat ring member in said socket member around said ball member and contacting with said second packing ring, resilient means engaging said flat member to hold the second packing ring in frictional engagement with the ball member, and means adjustably



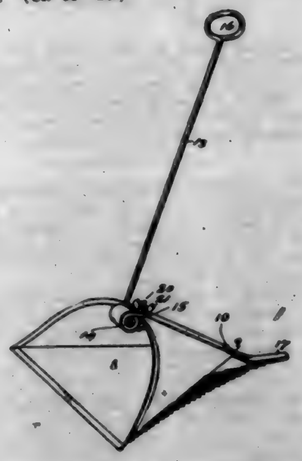
engaged on said socket member for drawing both of the packing rings into frictional contact with the ball member.

1,532,196. VEHICLE WHEEL. RALPH ROGERS MUNDELL, Chicago, Ill. Filed Apr. 9, 1923. Serial No. 630,717. 5 Claims. (Cl. 152—35.)



2. In a wheel, a rim structure, comprising an inner cylindrical member, an outer cylindrical member, a pneumatic tube between said members, lateral ring plates secured to one of said members and having a plurality of grooves, and lugs on said other member engaging in said grooves.

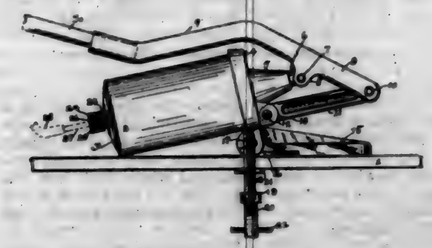
1,532,197. DUSTPAN. WILBUR H. NICHOLAS, Indianapolis, Ind. Filed Mar. 24, 1924. Serial No. 701,862. 5 Claims. (Cl. 65—20.)



1. A dust pan formed out of a rectangular metal sheet having two opposite corners on a long side of the sheet

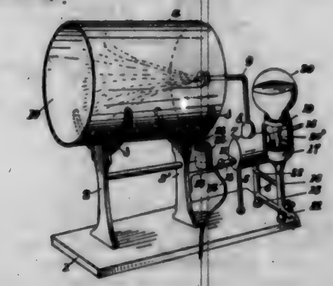
bent in the same direction at angles on lines extending from opposite corners of the sheet approximately to the middle of the edge between the two corners, said corners being curved toward each other until their edges lap, a tongue at the convergence of the angular bends of the corners bent upon the adjacent laps of the corners to aid in locking them in their lapped relation, a handle having an extension, and means for securing the handle to the pan comprising a strap attached to the pan having means cooperating with the handle extension, a bolt which passes through the lapped portions near the upper edges of the bent corners and securing the handle extension to the strap means.

1,532,198. TIRE PUMP. JOHN L. NILSON and JOHN F. PRINCE, Chicago, Ill. Filed May 2, 1922. Serial No. 557,849. 6 Claims. (Cl. 230—27.)



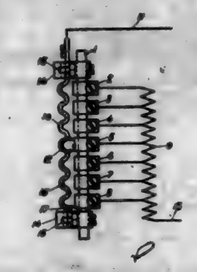
1. In a running-board air pump, the combination with the pump cylinder and running-board, of a removable closure for the rear end of the cylinder, said closure being provided with a foot portion adapted to be secured to the running board and alone arranged to support said pump on said running-board, and fulcrum bearing portions on said support with which the piston-operated lever of said pump is pivotally connected.

1,532,199. APPARATUS FOR GENERATING AND APPLYING VAPORS FOR HYGIENIC OR COSMETIC PURPOSES. WERNER OTTO, Berlin, Germany. Filed Mar. 24, 1922. Serial No. 546,496. 3 Claims. (Cl. 126—344.)



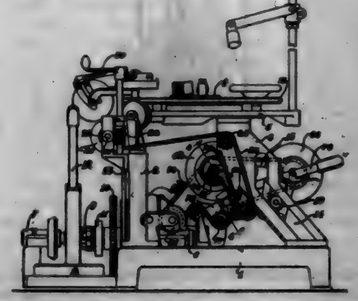
2. An apparatus for generating low tension vapors for hygienic or cosmetic purposes, comprising an evaporator having uncontrolled liquid supply and vapor escape passages, a constant level liquid supply vessel under atmospheric pressure so arranged that the plane of the liquid level in the evaporator passes through it, an uncontrolled downwardly extending substantially U-shaped tubing connecting said liquid supply vessel with the supply passage of the evaporator, a heater in said evaporator and above said U-shaped tubing, and a reserve liquid containing bottle inverted with its mouth disposed adjacent to the surface level of the liquid in the supply vessel thereby to form a water seal in the closed bottom end of the bottle to permit the liquid from the bottle to be conveyed to the supply vessel by gravity, the U-shaped tubing serving as a trap to prevent the heat from the evaporator from being transmitted to the supply vessel and to prevent the volatilized and vaporized gases in the evaporator from being conveyed into the bottle.

1,532,200. PLUG CONTACT. WILHELM HENNING PETERSSON, Gamla Posten, Ludvika, Sweden. Filed Jan. 11, 1923. Serial No. 611,991. 6 Claims. (Cl. 173—328.)



1. In plug contacts for regulating purposes, a row of fixed conductors, a metal plate having a number of grooves resiliently held at a certain distance from said fixed conductor, and a plug adapted to engage one of said grooves and to make contact with one of said fixed conductors.

1,532,201. ADJUSTABLE SUPPORTING MECHANISM. PAUL PIERCE, Chicago, Ill., assignor to Pierce Wrapping Machine Co., a Corporation of Illinois. Filed Nov. 11, 1922. Serial No. 600,217. 10 Claims. (Cl. 242—6.)

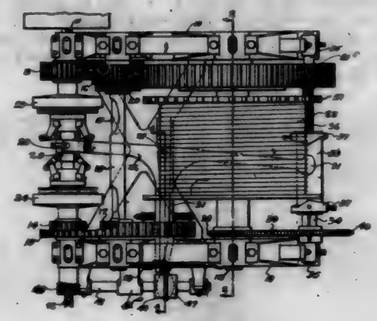


1. In a mechanism of the class described, rotatable supporting means, and means on said supporting means, simultaneously and positively movable to contact and centrally position supported articles of different sizes.

1,532,202. HOISTING MECHANISM. MAX WEBB POWELL, Chicago, Ill. Filed July 30, 1924. Serial No. 729,048. 9 Claims. (Cl. 192—15.)

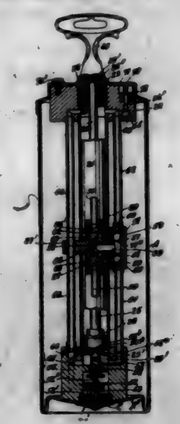
1. A hoist including in combination a drum, a shaft carrying said drum, double clutch operated reversible gear for driving said drum, an arm operating said clutches, a toothed wheel detachably secured to said drum, a rocker shaft, safety locking mechanism on said rocker shaft adapted to cooperate with said toothed wheel, a crank arm on said rocker shaft and a link pivoted to the crank arm having slot connection with

said clutch operating arm, the length of such slot being sufficient to allow the clutch arm to move into neutral



without moving the link while insufficient to allow the clutch arm to move from one clutch engaging position to the other without moving said link.

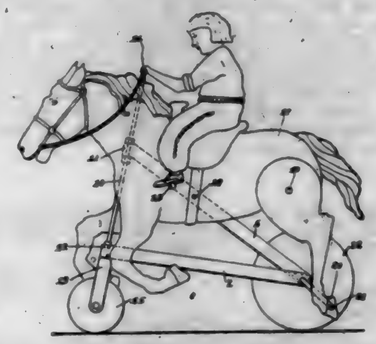
1,532,203. LIQUID PROJECTOR. ALBERT V. SAMMIS, Huntington, N. Y., assignor to Fire Gun Manufacturing Company, Inc., Huntington, N. Y., a Corporation of New York. Filed July 3, 1917. Serial No. 178,407. 11 Claims. (Cl. 299—98.)



1. In a liquid-projector, a pump comprising a cylinder and a piston, in conjunction with a casing having intake connections, gravity valves located in said casing and controlling said connections, another casing integral with the first-named casing and communicating therewith, and suction valves contained in said second casing and controlling its connection with opposite ends of the pump cylinder.

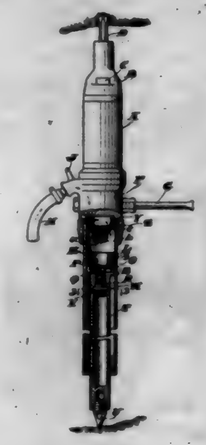
11. In a syringe the combination of a reservoir; a piston chamber in the reservoir having suction inlets to opposite ends thereof and a discharge outlet to the exterior of the reservoir connected with opposite ends of the piston chamber; a piston; a rod to reciprocate the piston extending from the end of the piston chamber opposite to the discharge outlet; a valve operable during the reciprocation of the piston to shut off the discharge outlet from opposite ends of the piston chamber, and valve mechanism operable when the piston is in its innermost position to shut off the discharge outlet from said chamber substantially as and for the purpose specified.

1,532,204. HOBBYHORSE VELOCIPEDE. JOHN R. SINGER, Minneapolis, Minn. Filed June 28, 1923. Serial No. 648,318. 4 Claims. (Cl. 208—42.)



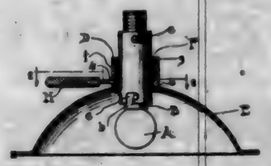
1. In a hobby-horse velocipede the combination of a three-wheeled truck, means for steering one of the wheels of said truck, a crank axle for driving the other wheels of said truck, a hobby-horse whose body is hinged to a frame member of said truck, and whose hind legs are hinged to its body, and whose rear feet are hinged to the cranks of said axle, and a driver's seat mounted on said hobby-horse.

1,532,205. FEEDING MECHANISM FOR ROCK DRILLS. FRED M. SLATER, Easton, PA., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed June 7, 1923. Serial No. 643,838. 1 Claim. (Cl. 74—109.)



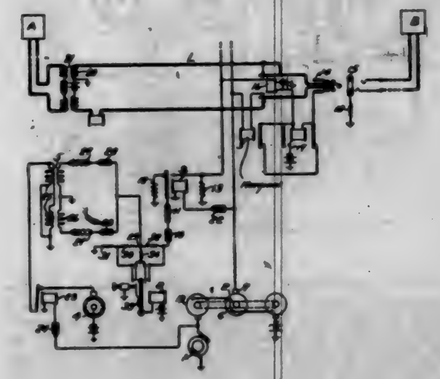
A fluid pressure piston, comprising a cup-shaped main hollow piston head, a hollow cylindrical cap having limited longitudinal movement in said hollow head, the body portion of said cap being guided in the head cavity by the walls of the head, said cap having a flange at its outer end, packing material in the recess formed between the said cap flange and the main head, and a guiding projection formed integral with the cap and extending inwardly from the body portion of the cap into the main piston head, and means for limiting the longitudinal movement of the guiding projection and cap relatively to the main piston head.

1,532,206. SOCKET FOR ELECTRIC LAMPS. EUGENE A. SNOW, River Forest, Ill. Filed Dec. 27, 1921. Serial No. 524,851. 2 Claims. (Cl. 240—44.)



1. The combination of an electric lamp socket, a holder therefor, said holder comprising a hollow cylinder having a peripheral circumferential elongated slot, a helical spring disposed within said holder and surrounding said socket, one end of said spring being anchored to said holder, the other end of said spring being free, and a lug integral with said free end projecting through said slot, the tension of the spring being such that the lug tends to move towards one end of the slot, whereby the spring grips the said socket, and manual movement of the lug towards the other end of said slot tends to unwind the spring and thereby permit free movement of the socket.

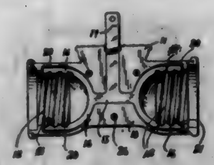
1,532,207. SIGNALING SYSTEM. LELAND J. STACY, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 16, 1921. Serial No. 500,767. 7 Claims. (Cl. 179—80.)



7. The method of informing a calling subscriber that ringing current is being supplied to a called station which comprises generating a plurality of currents one of which is an audio-frequency and the other is a lower frequency, modulating one of said currents, and supplying the modulated and unmodulated currents to the calling subscriber.

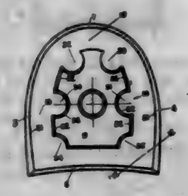
1,532,208. ELECTRIC-LAMP SOCKET. HERMAN L. STRONGSON, Brooklyn, N. Y. Filed Dec. 4, 1922. Serial No. 604,676. 7 Claims. (Cl. 173—337.)

3. Improvements in lamp sockets comprising a body member having globe receptacles, sheet metal contact blades disposed edgewise along the wall of the receptacles and being flexible to make spring contact, corrugations made in the edges of the said flexible blades to simulate screw threads, a jack-blade punched integrally with the aforesaid contact blades and projecting from the body, a center contact part secured at the bottom



of receptacles, and another jack-blade integral with the center contact part and projecting from the body parallel to the first named jack-blade.

1,532,209. RUBBER HEEL. JOHN GEORGE TUFFORD, Elyria, Ohio. Filed Dec. 23, 1921. Serial No. 524,516. 1 Claim. (Cl. 36—35.)



A "whole" type rubber heel adapted for attachment to the convexly rounded bottom of a shoe sole, having a lower convex tread face, and an upper concave attaching face, said attaching face comprising an approximately U-shaped grooved border portion extending parallel with and directly adjacent the sides and rear of the heel, the groove thereof being arched transversely of its length, the arching thereof being sharper than the arching of the convexly rounded shoe sole bottom portion with which it is adapted to contact, and the groove being transversely inclined from the side and rear top edges of the heel downwardly and inwardly towards the central portion of the attaching face thereof, the central portion of the concave attaching face within the grooved border portion being substantially non-re-entrant above the plane of the lowermost edge of the grooved portion, a plurality of nail receiving openings through the tread face adapted to direct heel securing nails through the said grooved portion of the attaching face with the nail heads held in the body of the heel, the conformation of the said tread and attaching faces and the placing of the nail directing openings being such that nails passed through such openings and into the convexly rounded bottom of a shoe sole will so distort the heel from its normal form as to bring the surfaces of the heel groove portion and of the opposed shoe sole bottom into intimate contact, the tread face being thereby made approximately flat, and the re-action of the distorted resilient rubber heel portions against the distorting power of the nails causing a tight sealing of the seam between the contacting rubber heel side and rear edges and the shoe sole bottom.

1,532,210. CONTAINER. HARRY C. WEIS, Monroe, Mich., assignor to The Weis Fibre Container Corporation, Monroe, Mich., a Corporation of South Dakota. Filed June 19, 1922. Serial No. 569,344. 1 Claim. (Cl. 229—5.5.)

In a container, a cylinder having its edge folded upon itself to form a bead and an inwardly projecting annular flange, a flat disk of slightly greater diameter than the inside of said cylinder mounted in said cylinder immediately adjacent the inside of said flange, and a second flat disk of slightly greater diameter than the inside of said head mounted within said bead

immediately adjacent the outside of said flange, said disks being compressed together and against said flange,



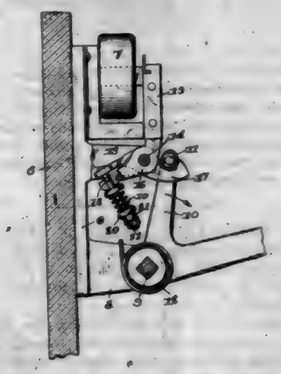
whereby each of said disks is slightly dished to accommodate the flange and cause the edges of the disks to form a tight joint with the cylinder.

1,532,211. SUSPENDERS. RICHARD A. WESLECK, Toledo, Ohio. Filed Apr. 18, 1924. Serial No. 707,819. 2 Claims. (Cl. 241—12.)



1. In a suspender, the suspender having two parts, the parts of the suspender having button holes at their ends and extending from the said button hole ends to beneath the arms of the wearer and diagonally across the shoulders at the back of the shoulders and terminating in loops through which the other of the parts extend, the said loops being located substantially between the hips and the arms of the wearer.

1,532,212. MAGNETIC LATCH MECHANISM. GUSTAV O. WILMS, Milwaukee, Wis., assignor to The Reliance Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 27, 1921. Serial No. 465,034. 6 Claims. (Cl. 200—108.)

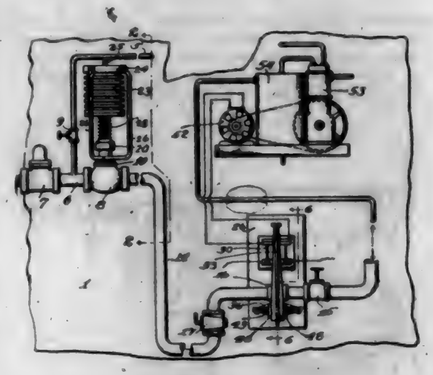


3. In a device of the class described, a holding member, a latch element engageable with said holding member to releasably secure the same in one position, a movable member, means releasably securing the movable member in a locking position, and a connection between said latch element and movable member for retaining the latch element in engagement with the holding member when the movable member is in locking position and for imparting a hammer blow to the latch element when the movable member is released by its securing means, whereby the disengagement of the latch element from the holding member is insured.

1,532,213. RENEWED RUBBER AND PROCESS FOR PRODUCING THE SAME. HERBERT A. WINKELMANN, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed July 11, 1923. Serial No. 650,969. 14 Claims. (Cl. 18—52.)

1. A process for renewing the plastic properties of vulcanized rubber which comprises incorporating with vulcanized rubber a condensation product of an aldehyde and an aromatic amine.

1,532,214. FREEZING THERMOSTAT AND CONTROL MECHANISM. WILLIAM WISHART and ALBERT H. MORRELL, Clinton, Iowa, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa, a Corporation of Delaware. Filed Aug. 8, 1921. Serial No. 490,779. 7 Claims. (Cl. 62—4.)

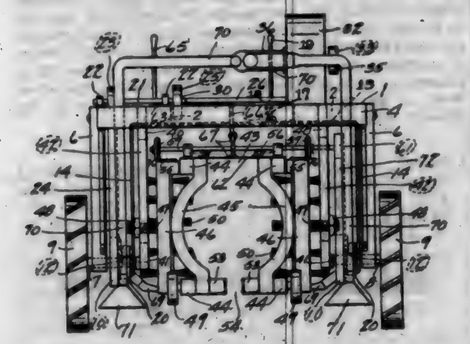


6. The combination with a refrigerating plant and the refrigerator thereof, of a condenser water supply pipe, a valve in said pipe, a diaphragm mechanism connected with said pipe, a motor control switch mechanism for said plant controlled by said diaphragm mechanism, and a freezing drip thermostat in said refrigerator connected with said water supply pipe and with said valve and controlling said valve and diaphragm, said freezing thermostat comprising a pipe coil connected with the water supply pipe and valve mechanism, a restricted nozzle formed on one end of said coil, and means secured on said nozzle for absorbing or radiating heat at said nozzle.

1,532,215. BOLL-WEEVIL TRAP. OWEN C. WOODS, Waycross, Ga., assignor of one-fourth to Henry W. Williams, Argyle, Ga. Filed Dec. 24, 1923. Serial No. 682,463. 1 Claim. (Cl. 43—140.)

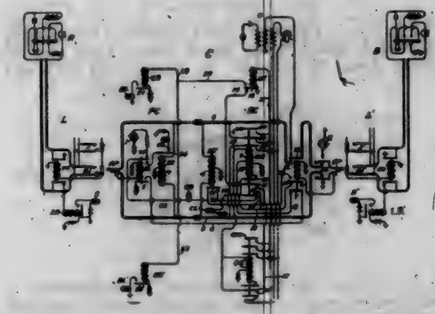
A machine of the kind described, comprising in combination a wheel-borne frame; an exhaust fan in a housing on the frame; slotted hangers under the back end of the frame; a weevil trap adjustably mounted between said slotted hangers, the same including open side frames having threaded fingers with adjustment nuts thereon engaging the slotted hangers, rotary brushes mounted through the side frames, and weevil pans on

the side frames under the brushes, there being a plant-way left between the weevil pans; means for directing the plants through the said plant-way between the



weevil pans; pipes connecting the weevil trap with the exhaust fan; and means for driving the exhaust fan and the rotary brushes by the power furnished by the wheels.

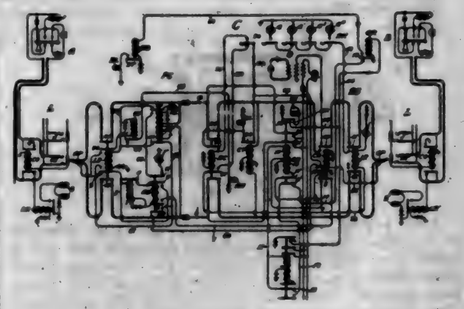
1,532,216. TELEPHONE SYSTEM. GEORGE A. YANOCHOWSKI, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1921. Serial No. 499,778. 33 Claims. (Cl. 179—49.)



8. A telephone system including a switchboard having answering jacks and a circuit provided with an answering terminal, a second switchboard having multiple jacks and a calling terminal for said circuit, an operator's set at said second switchboard, automatic means responsive to the connection of said answering terminal to one of said answering jacks for connecting the said operator's set at said second switchboard to said circuit.

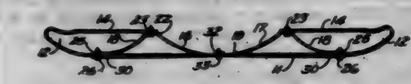
1,532,217. TELEPHONE SYSTEM. GEORGE A. YANOCHOWSKI, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1921. Serial No. 499,990. 19 Claims. (Cl. 179—49.)

1. A telephone system including a switchboard divided into positions, a calling line appearing in multiple answering terminals at a plurality of said positions, a second switchboard divided into positions, circuits extending from one of said positions upon said first board to positions upon said second board, the answering ends of said circuits being located at said first switchboard, and the calling ends of said circuits being located at said second switchboard, an operator's head set at one position upon said second board, means responsive to the direct connection of one of said circuits with any one of the multiple answering terminals of said calling line



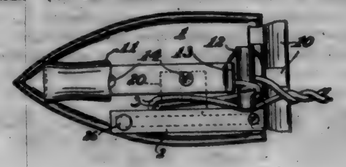
to connect said operator's set to said circuit, and subscriber controlled means for disconnecting his line from said circuit.

1,532,218. VEHICLE BUMPER. FINDLEY E. ANDREANI, Los Angeles, Calif., assignor to United States Bumper Co., a Corporation of California. Filed Nov. 9, 1922. Serial No. 599,773. 1 Claim. (Cl. 293—55.)



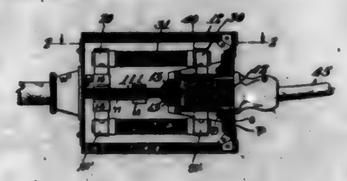
In a vehicle bumper, the combination of: a laterally extending frontal structure having a single bow at each end thereof, said structure being formed of a bar offset upwardly near one end thereof and having the other end bent rearwardly to form one of said bows and a second bar offset downwardly near one end thereof and having its other end bent rearwardly to form the other of said bows, said offset portions of said bars being spaced apart and of parallel horizontal extension; an arch member consisting of a central arch, the crown of which extends between said offset portions of said bars and the ends of which central arch are joined to the inwardly turned ends of said bows, said arch member further consisting of cantilever portions extending from the ends of said central arch and secured to said frontal structure; and a vertically disposed bar extending across the crown of said central arch and said offset portions of said bars and being rigidly secured thereto.

1,532,219. CONTROLLER FOR ELECTRICALLY-HEATED FLATIRONS. EUGENE ANTHONY, near Seattle, Wash. Filed Nov. 29, 1920. Serial No. 427,261. 1 Claim. (Cl. 219—25.)



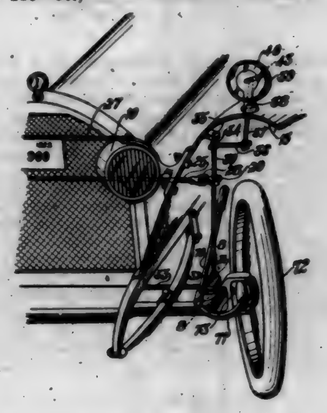
An electrically heated flat iron having a hollow casing member secured to and extending across the rear end of the iron above its bottom face and adapted to serve as a supporting member when the iron is turned up and also as a container for a current regulating device, and a thermostatically operated current regulator in said casing.

1,532,220. PLUG BOX AND PLUG. FRANK P. ARROUSES and WILLIS C. HOLLINS, Los Angeles, Calif. Filed May 11, 1920. Serial No. 380,666. 8 Claims. (Cl. 175—369.)



1. In a plug box; a series of twelve jaws arranged in six pairs, each pair comprising an upper jaw and a lower jaw; means for connecting the first two upper jaws together; means for connecting the last three upper jaws together; means for connecting the first four lower jaws together; means for connecting the last two lower jaws together; a fixed jumper comprising means permitting a connection of the first two upper jaws to the last two lower jaws, the third upper jaw and the last three upper jaws being adapted to be connected at will by a jumper; and means for connecting the three wires of a three phase circuit to the first two upper and last two lower, the last four upper, and the first four lower jaws respectively.

1,532,221. SIGNAL MEANS FOR AUTOMOBILES AND THE LIKE. ARTHUR P. BAMFORD, Irvington, N. J. Filed May 15, 1922. Serial No. 561,151. 4 Claims. (Cl. 116—36.)



1. The combination of the steering gear for a vehicle or the like, of a lamp carried by said vehicle and means connecting said lamp with said steering gear whereby said lamp is turned laterally from straight-ahead position in direction and extent corresponding to the direction and extent of turning of said steering gear and for positively returning the lamp to straight-ahead position.

1,532,222. RIFLE-CLEANING-ROD TIP. WARREN S. BELDING, Philipsburg, Pa. Filed Aug. 12, 1924. Serial No. 731,560. 4 Claims. (Cl. 42—91.)



4. A tip for cleaning rods comprising a circular piece of metal having a cap of the diameter of a rifle less twice the thickness of the usual patch, a pin having a sharp point formed integral with and projecting from one face of said cap, a plurality of spaced-apart collars formed integral with and projecting from a reduced portion of said tip, and means for connecting said tip to the remainder of a cleaning rod, said pin being adapted to hold the patch in place during its movement through the receiver and bore of the rifle and said collars being adapted to hold said patch in position during the movement of the tip through the bore and receiver in the opposite direction.

1,532,223. STOP COLLAR FOR RIFLE-CLEANING RODS. WARREN S. BELDING, Philipsburg, Pa. Filed Sept. 27, 1924. Serial No. 740,179. 2 Claims. (Cl. 42—91.)



1. A stop collar for cleaning rods for firing pieces comprising a two-part structure, one portion having an opening therethrough to permit it to be slid on the rod and comprising a head portion, an integral circular portion of reduced diameter adjacent said head, and an integral screw-threaded portion of still further reduced diameter extending from said circular portion, and the other portion comprising a cylindrical sleeve-like member bored and screw-threaded portion of the first-mentioned part and bored to cooperate with the circular reduced portion of said part.

1,532,224. CURRENT-COLLECTING APPARATUS. ROBERT S. BLAIR, Sound Beach, Conn. Filed Apr. 19, 1921. Serial No. 462,582. 17 Claims. (Cl. 191—56.)



2. In current collecting apparatus, in combination, a conducting member, a rotary collecting member adapted to rotate about an axis transverse to said conducting member and pneumatic means adapted to maintain flexible electrical contact between said members.

1,532,225. PROCESS FOR VULCANIZING RUBBER AND PRODUCT OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Filed Jan. 10, 1922. Serial No. 528,278. 56 Claims. (Cl. 18—53.)

1. A process for treating rubber, which comprises subjecting the rubber to an organic sulphur compound as a vulcanizing agent characterized by the group



and vulcanizing the rubber.

29. A vulcanized rubber derived from rubber combined with an organic sulphur compound as a vulcanizing agent characterized by the group



and an amine.

1,532,226. PROCESS FOR VULCANIZING RUBBER AND PRODUCT OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Original application filed Apr. 1, 1922, Serial No. 548,826. Divided and this application filed Apr. 1, 1922. Serial No. 548,828. 44 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber or similar material which comprises combining with the rubber a vulcanizing agent, and an accelerator comprising the radical



and vulcanizing the rubber.

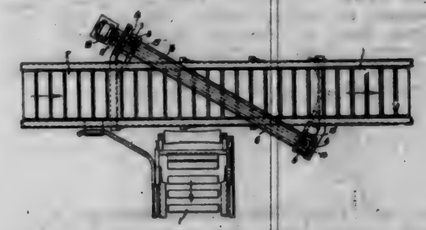
1,532,227. PROCESS FOR VULCANIZING RUBBER AND PRODUCT OBTAINED THEREBY. SIDNEY M. CADWELL, Leonia, N. J., assignor to The Naugatuck Chemical Company, a Corporation of Connecticut. Original application filed Apr. 1, 1922, Serial No. 548,826. Divided and this application filed Apr. 1, 1922. Serial No. 548,829. 32 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber or similar material which comprises combining with the rubber a vulcanizing agent and an accelerator comprising the radical



where M is a metal, and vulcanizing the rubber.

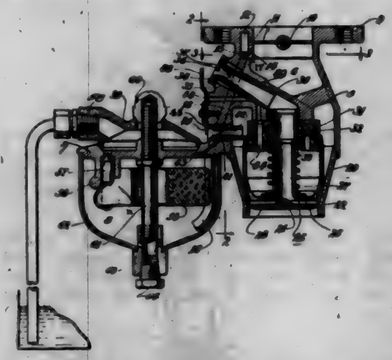
1,532,228. DEFLECTING DEVICE FOR CONVEYER SYSTEMS. FREDERICK S. CARPENTER, Hartford, Conn., assignor to The Hartford Rubber Works Company, Hartford, Conn., a Corporation of Connecticut. Filed May 29, 1923. Serial No. 642,172. 4 Claims. (Cl. 198—188.)



1. The combination with a conveyer system having a main run and a branch run arranged transversely and in proximity to the main run, of means adjacent the junction of the main and branch runs for governing the movement of articles on the main run to or past the branch run, comprising, a beam arranged at an inclination to the main run, means for maintaining the beam at said inclination but permitting bodily movement thereof from an article-obstructing position adjacent the main run to a non-obstructing position removed from the main run, and means for shifting the beam to and from an article-obstructing position including a lost motion connection allowing the beam to temporarily rest upon an article on the main run until it has been carried past and clear of the beam.

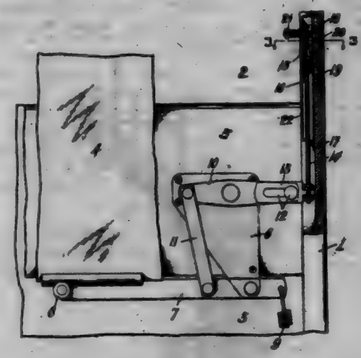
1,532,229. CARBURETOR. MILFORD G. CHANDLER, Chicago, Ill., assignor, by mesne assignments, to Curtis B. Camp, trustee, Oak Park, Ill. Filed Oct. 14, 1922. Serial No. 594,522. 4 Claims. (Cl. 261—72.)

1. In a vacuum feed carburetor, a fuel reservoir, an induction passage, a Venturi tube extending from atmosphere into said induction passage, a connection between the upper part of the fuel reservoir and a constricted part of said Venturi tube for creating a suction in said reservoir for lifting fuel thereto, a manually operable cam member for variably restricting the entrance to said Venturi tube, a secondary air valve having a chamber therein wherein suction is effective



for opening said valve, a piston within said valve, a duct extending through said piston and terminating beneath said cam, there being an opening through said cam member adapted to be moved into alignment with said duct to expose the duct to atmospheric pressure to prevent effective suction within the hollow valve.

1,532,230. WINDOW-CONTROL MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio. Filed Sept. 24, 1923. Serial No. 664,352. 3 Claims. (Cl. 268—4.)

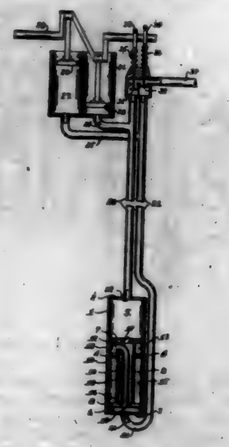


1. The combination with a slidable window member, of a frame guiding the movements of the member, an arm pivotally carried by the frame for vertical rocking movements and supporting the window, counterbalancing means for the arm, a lever fulcrumed to the frame, means connecting the lever and arm for imparting rocking movements from one to the other, and manually operable control means guided for vertical reciprocatory movements in a side of the window frame parallel to the movement of the window, and connected to the lever to cause a rocking thereof when the control means is moved.

1,532,231. RODLESS DEEP-WELL PUMP. WILLIAM G. CORRY, Berkeley, and REMI C. KNIGHT and LOUIS F. CHAMPION, Oakland, Calif. Filed Nov. 26, 1923. Serial No. 676,973. 4 Claims. (Cl. 103—45.)

1. A pumping apparatus comprising a barrel having a working cylinder and a pumping cylinder axially alined

therewith, said pumping cylinder having a fluid inlet; a piston operable in each cylinder; a connecting stem between said pistons, having a fluid passage from said pumping cylinder to said working cylinder; means for supplying fluid under fluctuating pressure to said work-



ing cylinder to reciprocate said pistons, the fluid pumped from said pumping cylinder flowing through said passage and being added to the working fluid; and means for separating from said working fluid an amount of fluid equal to the pumped fluid added thereto.

1,532,232. TENNIS RACKET. JOHN J. CULLINAN, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,326. 9 Claims. (Cl. 46—24.)



1. A tennis racket or the like comprising an open frame head adapted to be strung with resilient strings, and a handle spliced with said frame and a strand of stout gut drawn tightly around said frame and its ends extending transversely through the racket at the junction of the frame and handle and anchored against displacement.

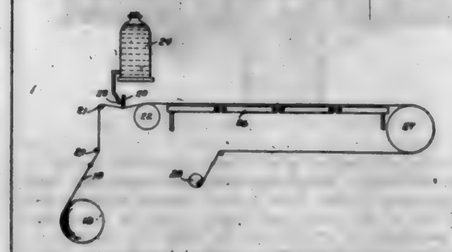
1,532,233. MILK-HEATING APPARATUS. ARNOLD O. DAHLBERG, San Francisco, Calif. Filed Mar. 5, 1923. Serial No. 623,003. 2 Claims. (Cl. 261—121.)

1. An apparatus for heating milk comprising in combination with a milk containing hot well, a perforated distributor head therein, a cap threaded thereto and forming a closure for one end thereof, said cap provided with a tubular nipple threaded interiorly and exteriorly, concentrically disposed tubular members threadably connected to said nipple with their walls in spaced relation and extending exteriorly of the hot well, the inner tube providing a steam conduit discharging into



the distributor head, an insulating packing interposed between the tubes immediately above the cap, and a perforated nut slidably mounted on the inner tube and threadedly connected to the upper end of the outer tube to afford a vent for the chamber between the tubes.

1,532,234. SUPERFICIALLY-FINISHED RUBBER ARTICLE OR MATERIAL AND METHOD OF PRODUCING SAME. CHARLES H. DENNISON, Quincy, Mass., assignor to American Rubber Company, East Cambridge, Mass., a Corporation of Massachusetts. Continuation of application Serial No. 496,008, filed Aug. 27, 1921. This application filed Dec. 6, 1922. Serial No. 605,176. 20 Claims. (Cl. 91—70.)



1. The method of changing the surface characteristics of a rubber containing material which consists in superficially hardening it by treatment with bromine.

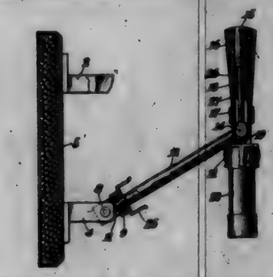
6. The method of producing a superficial hardening and leatherlike slip or gloss on rubber or compounds thereof which consists in both superficially treating it with bromine and vulcanizing it.

19. As a new article of manufacture, a body having a bromine-hardened rubber contining surface portion.

1,532,235. COMBINED SWITCH AND FUSE. WALLACE G. DEXTER, Brooklyn, N. Y. Filed Mar. 8, 1922. Serial No. 541,899. 5 Claims. (Cl. 200—114.)

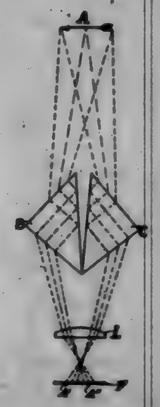
1. An electric switch comprising fixed contact members, a movable contact member associated therewith having portions respectively contacting with said fixed contact members, conducting clips interposed between said contacting portions of said movable contact member,

means permitting relative movement between said conducting clips without disconnecting said movable contact



member, and fuses held in position by said clips and disengageable therefrom by relative movement therebetween.

1,532,236. METHOD AND APPARATUS FOR PRODUCING MULTIPLE-IMAGE EFFECTS IN PHOTOGRAPHY. LEON F. DOUGLASS, Menlo Park, Calif. Filed Dec. 26, 1922. Serial No. 609,140. 5 Claims. (Cl. 88—1.)



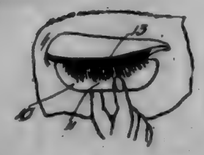
1. The method of producing two images of a single object on a photographic film which comprises firstly, refracting and reflecting two pencils of light rays from said object through two large right-angle prisms positioned in front of a camera lens with their large faces adjacent, and secondly, refracting said light rays through said camera lens onto said film.

1,532,237. HERMETIC SEAL. OSCAR H. ELIEL, La Salle, Ill. Filed May 9, 1921. Serial No. 467,960. 1 Claim. (Cl. 27—6.)



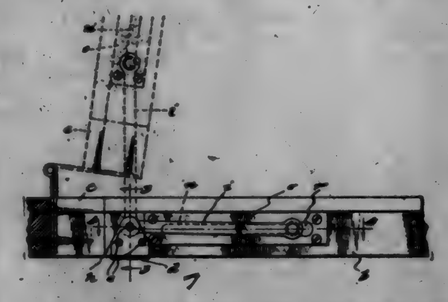
A hermetic seal for burial caskets comprising an outwardly extending horisontal flange on the body portion, a cover portion having an upturned edge adapted to overlap said flange, an upturned edge on said horisontal flange, the upturned edge of the cover portion lying within the upturned edge on said horisontal flange and spaced away therefrom, and fusible material sealingly secured between said flange and its upturned edge and the margin and upturned edge of the cover portion.

1,532,238. HAIR CURLER. EDNA M. FARRELL, Los Angeles, Calif. Filed June 23, 1924. Serial No. 721,740. 2 Claims. (Cl. 132—31.)



2. An eyelash curler embodying a sheet of flexible material shaped to conform with a portion of a human eyelid, and means for removably affixing the sheet to the eyelid.

1,532,239. DOORCHECK. GEORGE FAUSER, Detroit, Mich., assignor to Fisher Body Corporation, Detroit, Mich., a Corporation of New York. Filed Feb. 15, 1923. Serial No. 619,104. 5 Claims. (Cl. 16—82.)



1. In a structure provided with a door and door frame, the combination of a header, an outwardly swinging door supported in relation to said header, an angle plate secured to the inside of the header and the underside of the header thereby stressing against the entire cross section of the header when the door opens, a slotted plate secured to the top of the door and a link pivoted to the anchor and slidably connected with the slot in the said plate.

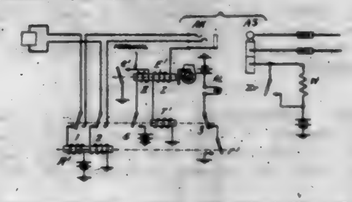
1,532,240. BLOTTER ATTACHMENT FOR FOUNTAIN PENS. ANTONE FIERO, Stockton, Calif. Filed Feb. 11, 1924. Serial No. 691,902. 1 Claim. (Cl. 120—84.)



A blotter attachment for fountain pens including a primary plate having its edges inturned to form guides and means on the inturned edges for attachment to the pen, a secondary plate having inturned edges to frie-

tionally engage the guides on the primary plate to hold the two together, the inturned edges on the secondary plate being turned back to form slots to receive the edges of a blotter placed over the secondary plate.

1,532,241. METERING CIRCUIT FOR TELEPHONE SYSTEMS. ARTHUR FLAD, Berlin, and FRITZ LUBBERGER, Schmargendorf, Germany, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed July 10, 1922. Serial No. 573,957. 6 Claims. (Cl. 179—8.)



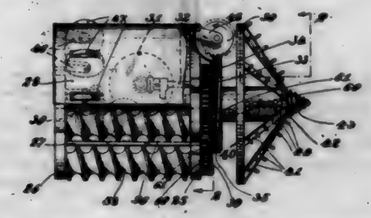
1. The combination, with a subscriber's line, of a meter and cut off relay for said line, a circuit including said meter and cut off relay in series, said meter being non-responsive to normal current flow in said circuit, means for temporarily increasing the current flow in said circuit to operate said meter, and means controlled by the operating magnet of said meter for opposing the effect of the increased current after the magnet has operated in order to facilitate the deenergization of the magnet when the current is reduced to its normal value.

1,532,242. SUPERHEATER. EDWARD A. GROGHEGAN, New York, N. Y. Filed Apr. 14, 1922. Serial No. 552,748. 1 Claim. (Cl. 122—460.)



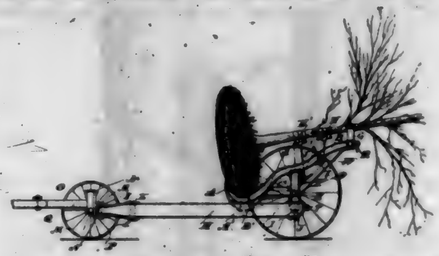
A steam superheater including a fire-tube of a boiler, a superheating unit comprising a flat spiral strip of metal adapted to guide the fire gas in a spiral course through said tube, and a return-bend tube having the arms thereof wrapped around the spiral of said metal strip to give the steam passing therethrough a whirling motion, and whereby the fire gas is caused to follow parallel with said tubes.

1,532,243. EXCAVATING MACHINE. WILHELM HEBSACKER, Heilbronn, Germany. Filed June 17, 1920. Serial No. 389,780. 4 Claims. (Cl. 262—7.)



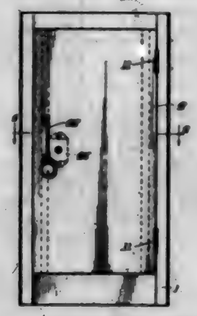
1. An excavating machine comprising a cylindrical body, a horizontal platform therein, a substantially conical head revoluble at the front end of said body, means on said platform for rotating said head, helical conveyors arranged at the periphery of said body extending parallel to its axis, means for driving said conveyors, a plurality of propelling means for said body, and adjustable means for guiding said body.

1,532,244. TREE-TRANSPLANTING DEVICE. CHARLES F. IRISH, Bratenahl, Ohio. Filed May 2, 1921. Serial No. 466,368. 11 Claims. (Cl. 214—3.)



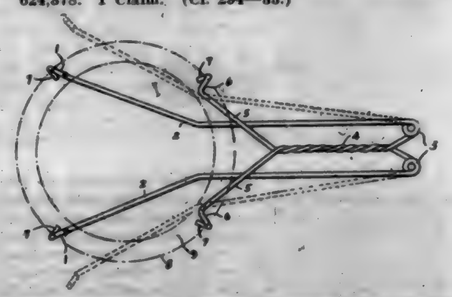
1. The combination, with a truck, of a concave tree excavator and carrier mounted on said truck, said excavator having a projecting front edge to engage under the root mass of the tree, a lever connected to and extending from said excavator and carrier, and means for locking the lever.

1,532,245. LOCKER LOCK. EVERETT DEE KASER, Aurora, Ill., assignor to Durabilt Steel Locker Co., Aurora, Ill., a Corporation of Illinois. Filed Apr. 11, 1921. Serial No. 460,315. 5 Claims. (Cl. 70—14.)



1. A locker comprising a body having a hinged door, a tubular reinforcement extending along one edge of said door and arranged to form a housing, a keeper mounted on said body and arranged to extend into said housing when the door occupies its closed position, and locking mechanism located in said tubular reinforcement and arranged for interlocking engagement with said keeper.

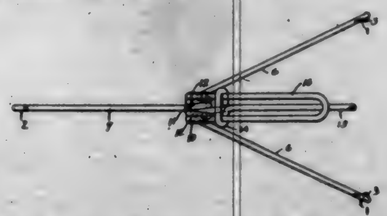
1,532,246. BAKE-PAN LIFTER. RUDOLPH A. KOTTKE, Detroit, Mich. Filed Mar. 12, 1923. Serial No. 624,378. 1 Claim. (Cl. 294—33.)



In a device of the character described, two pairs of wire arms, each pair carrying coacting jaws for gripping

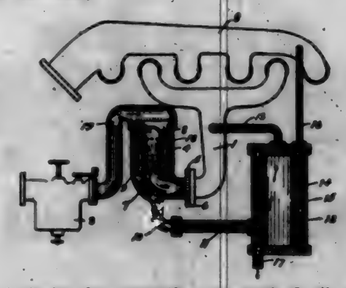
utensils, one of said pairs of arms being connected in a substantially rigid relation and the arms of the other pair being flexibly connected to said rigid arms for movement to and from each other, each rigid arm being integral with one flexible arm, and the lengths of wire forming said arms being twisted one around the other between the joined ends of said arms.

1,532,247. PAN LIFTER. RUDOLPH A. KOTTKE, Detroit, Mich. Filed May 18, 1923. Serial No. 639,807. 7 Claims. (Cl. 294—31.)



1. In a device of the character described, a pivot member, and a pair of gripping members each formed of wire looped to embrace said pivot member, and each forming a handle at one side of its fulcrum and an arm at the other side thereof, said arms terminating in coacting jaws, one of said handles functioning as a spring bearing upon the other handle to urge said gripping members apart.

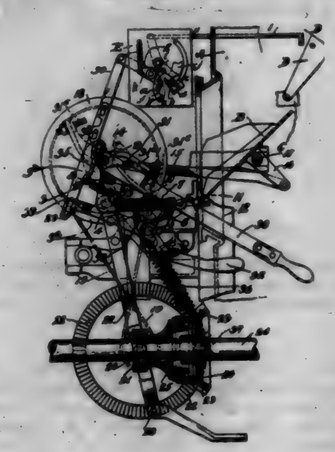
1,532,248. VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. WILLIAM L. LAUDAN, Sterling, Colo. Filed Jan. 12, 1924. Serial No. 685,802. 6 Claims. (Cl. 48—180.)



1. A device for separating unvaporized oil and dust particles from a fuel mixture, comprising a cylindrical member open at both ends, a tubular member located within the cylindrical member and spaced from the sides thereof, said tubular member having one end closed and the other end open and connected to the wall of the cylindrical member, which is adapted to register with an opening in an intake manifold, said tubular member having a plurality of rows of holes, means comprising conical flanges for causing gases to make a sharp turn when passing from the space in the cylindrical member to the inside of the tubular member, and a cap, having a cylindrical conduit, connected to the open end of the cylindrical member and adapted to be connected with a carbureter.

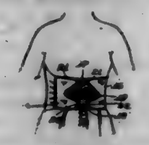
1,532,249. AUTOMATIC POWER DISCHARGE CHUTE. ERICH H. LICHTENBERG, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Nov. 15, 1923. Serial No. 675,014. 19 Claims. (Cl. 83—73.)

1. In combination, a discharge chute for concrete mixers, driving mechanism, clutch mechanism intermediate said driving mechanism and the discharge chute for transmitting movement to the chute, catch mechanism for normally maintaining said clutch mechanism inactive, and an automatic means for releasing the catch



mechanism and effecting operation of the clutch means to transmit movement to the discharge chute at a predetermined time.

1,532,250. BRASSIÈRE. EMILY A. LINDEMANN, New York, N. Y. Filed Oct. 28, 1921. Serial No. 511,024. 2 Claims. (Cl. 2—42.)



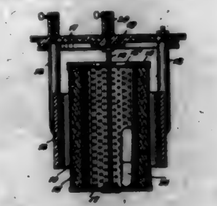
1. A brassière comprising an inelastic front portion and a back portion, said back portion being formed of inelastic end sections and a middle section being secured to the end sections along lines converging upwardly and downwardly respectively, from the intermediate portion of said back portion.

1,532,251. VALVE. DAVID G. LORRAINE, Los Angeles, Calif. Filed Dec. 23, 1919. Serial No. 346,967. 14 Claims. (Cl. 251—95.)



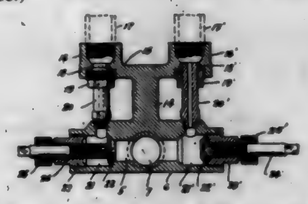
1. A valve comprising a casing, a stationary cylinder having a peripheral port therein, a sleeve rotatably mounted on said cylinder and having a peripheral port therein adapted to register with the port in said cylinder, means for limiting the rotation of said sleeve on said cylinder, and means effective after the rotation of said sleeve has been stopped for causing adjacent portions of said sleeve and said cylinder to be moved into close contact for closing said ports.

1,532,252. MEANS FOR PROVIDING AND RELEASING OIL IN BATTERY SOLUTIONS. MARTIN L. MARTUS, Woodbury, and EDMUND H. BECKER and HAROLD B. SCHOENMEHL, Waterbury, Conn. Filed May 24, 1924. Serial No. 715,564. 9 Claims. (Cl. 136—38.)



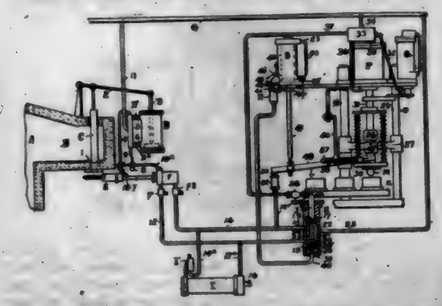
1. The combination with a battery element, of independent oil containing means carried thereby adapted upon immersion in an electrolyte solution to release the oil.

1,532,253. FLOW-NOZZLE STRUCTURE. WILLIAM MEREDITH and STEPHEN A. D. COX, Huntington Beach, and WALTER L. FOSTER, Whittier, Calif. Filed Aug. 18, 1924. Serial No. 732,795. 6 Claims. (Cl. 166—15.)



6. A flow nozzle structure comprising a block having a main passage extending therethrough and adapted to be connected to a well, a plug closing the other end of the passage, there being branch passages extending from said main passage, said branch passages having outlet ports, caps having openings, one aligned with and facing each outlet port, a flow nipple bridging the space between each port and cap, said flow nipple being laterally removable, a valve for each branch passage, a gate valve in said main passage between said plug and the juncture of said passages, and a gate valve on the other side of said juncture.

1,532,254. PROCESS AND APPARATUS FOR CONTROLLING THE FEEDING OF GLASS. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Nov. 21, 1921. Serial No. 516,645. 20 Claims. (Cl. 49—5.)



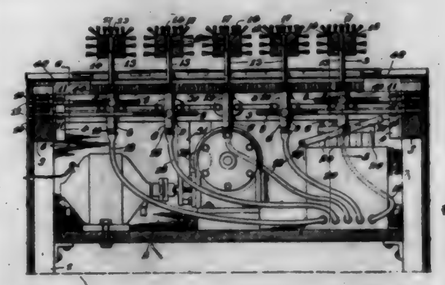
1. The process of maintaining uniformity in gathers of glass produced by an automatic feeder which consists in regulating the amount of glass in a gather being formed by the feeder by the amount of glass in a preceding gather.

1,532,255. MEANS FOR TRANSPORTING GLASS ARTICLES. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Nov. 21, 1921, Serial No. 516,646. Renewed Oct. 20, 1924. 12 Claims. (Cl. 49—14.)



1. In combination with mechanism for transporting hollow articles of glass, a vacuum gripper for said mechanism comprising a member contoured to circumferentially fit the wall of the article from without, a second member mounted in unison therewith and contoured to fit the wall of the article from within, said members being spaced apart to form a chamber which is closed by the article when the gripper engages an article, and means for applying a vacuum to said chamber.

1,532,256. PAN-GREASING MACHINE. WILHELM MOLLER, Lewistown, Pa., assignor to Easy Pan Greasing Machine Co., Philadelphia, Pa. Filed June 14, 1924. Serial No. 720,077. 6 Claims. (Cl. 91—39.)

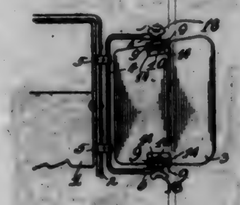


1. A pan greasing machine including a frame; a rack slidable on the frame; brushes; rotatable members carrying the brushes and operatively connected with the rack, and means for imparting harmonic reciprocating motion to the rack.

1,532,257. WINDSHIELD. ALBERT B. MUELLER, Chicago, Ill., assignor to Augustus Ehle, Chicago, Ill. Filed Sept. 9, 1921. Serial No. 499,524. 1 Claim. (Cl. 296—84.)

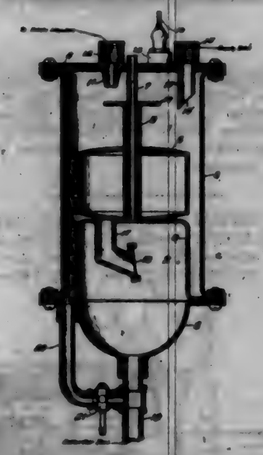
The combination with a transparent main wind shield provided with a frame; of a supplemental transparent wind shield provided with a carrier that is coupled with one side of the main wind shield frame; clamps upon said carrier that grip opposite sides of the supplemental shield, each clamp comprising a back portion upon one side of the supplemental shield, ears connected with said back portion and upon the other side of the supplemental shield, a member in hinge connection with said ears, and a screw in threaded connection with the outer portion of said hinged member and, when turned, engaging said back portion to force the inner portion of the hinged member toward the supplemental shield; a

threaded stem upon the back portion of each clamp and passing through the carrier for the supplemental shield;



and a nut upon each clamp stem, the carrier for the supplemental shield having portions interposed between said nuts and the clamp body portions.

1,532,258. VACUUM-FEED SYSTEM. GUSTAVE C. NELSON, Moline, Ill., assignor to Borg & Beck Company, Moline, Ill., a Corporation of Illinois. Filed June 14, 1920. Serial No. 388,755. 5 Claims. (Cl. 103—236.)

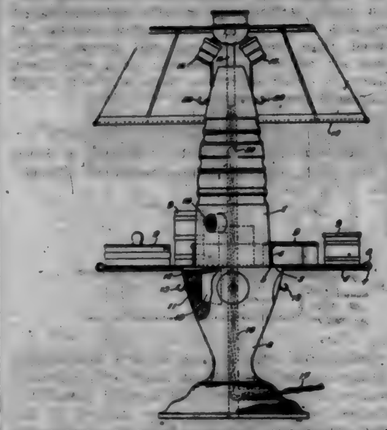


1. In a vacuum feed system, a tank comprising a receiving chamber and a feed chamber, a valved communication between said chambers, a vacuum producing connection to the receiving chamber comprising a nipple projecting inward from the top of said chamber, a float operated disk cut-off to engage said nipple and close said connection, and a liquid fuel supply inlet in the top of the receiving chamber comprising a nipple projecting into the receiving chamber from the top thereof and having its lower end located below the end of the nipple in the vacuum connection and cut angularly in relation to its length and with the longer side located opposite said vacuum connection nipple.

1,532,259. DRESSER LAMP. ANDREW C. NIELSEN, Chicago, Ill. Filed June 8, 1921. Serial No. 475,927. 2 Claims. (Cl. 240—3.)

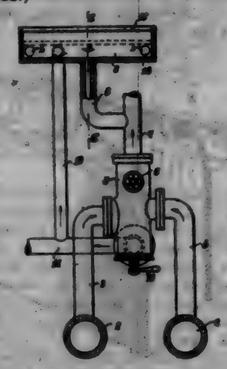
1. A dresser lamp comprising a body, a base supporting the body and having a peripheral shoulder projecting beyond the body, and a tray for toilet articles revolubly mounted on the body and supported on said shoulder,

said tray provided with an upstanding flange surrounding the body and having its outer margin bent to form a
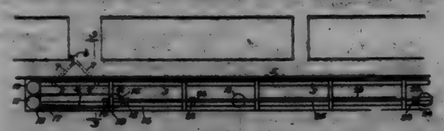


rounded bead for preventing dislodgment of articles from the tray and having its edge turned down and under the tray.

1,532,260. CLOTH-SINGEING DEVICE. WALTER OSTHOFF, Barmen, Germany. Filed Aug. 26, 1921. Serial No. 495,557. 8 Claims. (Cl. 158—99.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



4. In a device of the type set forth, in combination, a burner presenting a relatively extended narrow flame slot and having a port intermediate its ends for the admission of a combustible pressure gas and means spaced laterally from said fuel port for admitting a non-combustible pressure gas.

1,532,261. CAR SHIFTER. AUGUSTUS T. PERKINS, Oak Park, Ill., assignor to Webster Mfg. Company, Chicago, Ill., a Corporation of Ohio. Filed Jan. 31, 1924. Serial No. 689,630. 18 Claims. (Cl. 104—176.)



1. In apparatus for shifting railway cars along a track, the combination of a traveling carriage movable parallel with the track, having a member adjustably mounted thereon for engaging and disengaging either end of the

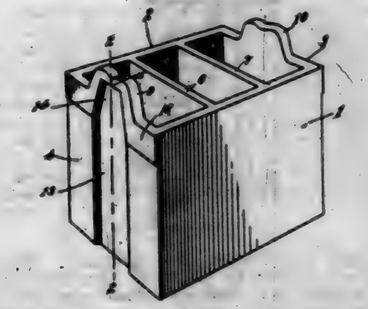
car, for pushing the car in either direction, and instrumentalities including a power device in stationary position and a cable system and sheaves cooperating to cause back and forth movement of said carriage at greater speed than the speed of said power device, whereby cars are movable successively along said track, some distance, in either direction, with relatively slight movement of said power device.

1,532,262. CIGARETTE HOLDER. WILLIAM A. PIKE, Ottawa, Ill. Filed July 26, 1924. Serial No. 728,302. 4 Claims. (Cl. 131—51.)



1. The combination with an ash tray, a horisontally disposed flange carried by said ash tray, of a cigarette holding member carried thereby, said member comprising spring actuated gripping jaws, a lever pivoted to the ash tray and cooperating with said jaws for opening the same upon a downward movement of the lever, and a supporting leg adjacent said lever and outside of the pivotal point thereof and forming means whereby when pressure is applied on the lever the tray will be prevented from tilting.

1,532,263. CONTAINER. OLIVER O. REIBER, Forest Park, Ill., assignor to The Richardson Company, Lockland, Ohio, a Corporation of Ohio. Filed June 16, 1924. Serial No. 720,201. 3 Claims. (Cl. 130—29.)



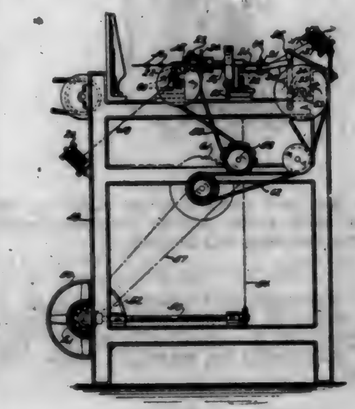
1. A container with side, end and bottom walls with handles secured to the top of the end walls projecting upwardly in the plane of the end walls, said handles being solid and provided with an external under-cut ledge to compel inward pressure as the box is lifted.

1,532,264. BUMPER. PHILIP RIEDELS, Los Angeles, Calif., assignor to United States Bumper Company, Inc., Los Angeles, Calif., a Corporation of California. Filed Nov. 13, 1923. Serial No. 674,458. 8 Claims. (Cl. 293—55.)



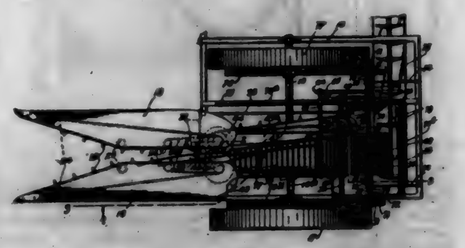
7. An automobile bumper comprising a plurality of vertically aligned bars, said a secondary bar having a forked end joined to the ends of the front bars above and below the bars.

1,532,265. MACHINE FOR MAKING ORNAMENTS. WALTER ROBICHAUD, New York, N. Y., assignor to Paper Novelty Mfg. Co., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1917. Serial No. 142,621. 6 Claims. (Cl. 117—24.)



4. In a machine of the character set forth, the combination of a tapered mandrel, means for winding loop-forming material onto said mandrel, said mandrel and said loop-forming means relatively movable longitudinally of each other during the formation of loops on said tapered mandrel.

1,532,266. CUTTER FOR ENSILAGE HARVESTERS AND THE LIKE. ANDREAS G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed Nov. 14, 1919. Serial No. 337,979. 9 Claims. (Cl. 146—110.)

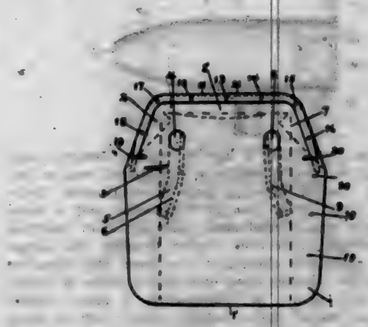


1. An ensilage cutter comprising co-operating rotary drums having intermeshing circumferentially spaced blades arranged for a combined cutting and feeding action on the stalks delivered thereto, said drums having hollow interiors into which the cut ensilage is forced, means for forcibly delivering the stalks to said drums, and means for discharging the cut ensilage from the interiors of said drums.

1,532,267. VESTED GARMENT. ALBERT ROSENBERG, Baltimore, Md. Filed July 25, 1924. Serial No. 728,171. 7 Claims. (Cl. 2—102.)

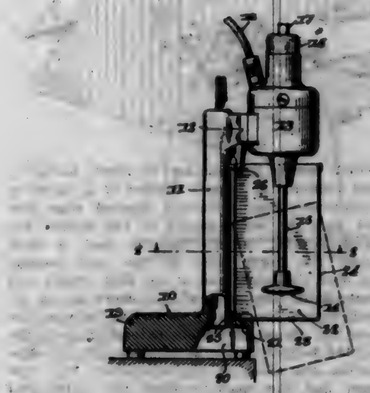
1. A garment provided with a lapel and a collar and with a series of means for securing a vestee, said means

secured to the inside of the garment under the lapel and under the collar in alignment with the collar and



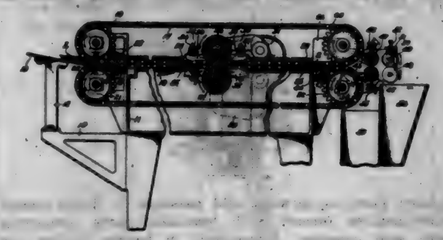
the lapel, and slit places in the garment under the lapel for inserting the ends of a vestee patterned to align with the collar and the lapel.

1,532,268. DRINK MIXER. JOHN W. RUGGABER, Racine, Wis., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Oct. 7, 1921. Serial No. 505,986. 3 Claims. (Cl. 259—184.)



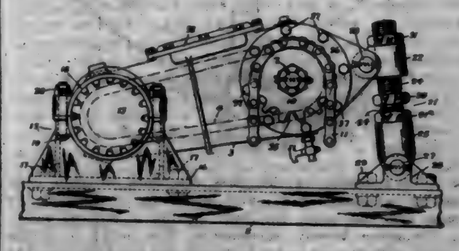
1. In a drink mixer, the combination with a container, of a base having a ledge adapted to receive a portion of the container and to support it at its bottom, a standard rigid with said base, a hook on the upper portion of the standard adapted to extend into and engage the inner periphery of the upper margin of the container to hold it in upright position, a motor supported by said standard and a stationarily supported rotary agitator driven by said motor and suspended from above with sufficient clearance to permit the container to be manually manipulated into its operative position on the ledge.

1,532,269. ART OF STEMMING TOBACCO. FREDERICK C. SCHOFIELD, Lynchburg, Va., assignor to Tobacco Stemming Machine Company, Lynchburg, Va., a Corporation of Delaware. Filed Dec. 10, 1921. Serial No. 521,819. 22 Claims. (Cl. 131—51.)



1. The method of leaf stemming which consists in gripping the leaf stem at a point intermediate its ends, in folding the leaf and in removing the lamina portions of the leaf from the folds.

1,532,270. MOVABLE TRANSMISSION UNIT. PAUL S. SHIELD, Cincinnati, Ohio, assignor to Augustine Davis, jr., Covington, Ky. Filed May 26, 1923. Serial No. 641,585. 16 Claims. (Cl. 64—52.)



1. In a transmission unit, a trunnion-bearing, a chain-case pivotally supported at said trunnion-bearing, a chain in the chain-case, a power-delivering shaft and sprocket for said chain in the trunnion end of the chain-case and coaxial with the trunnion-bearing, a power-receiving shaft and sprocket for the chain in the remote end of the chain-case, a sprocket on the outer part of the latter shaft, a driving chain on said sprocket, a screw device cooperative with the chain-case to support the same in adjustable angular relation to the trunnion-bearing in order to adjust the said driving chain.

1,532,271. METHOD OF MANUFACTURING SIRUP. RONALD JAMES SLAY, Hattiesburg, Miss. Filed June 15, 1921. Serial No. 477,858. 1 Claim. (Cl. 127—41.)

The herein described method of treating the juice of sugar cane in the production of sirup which consists in determining the amount of sucrose contained within the juice, adding thereto an amount of tartaric acid equal to not less than two and one-half per cent of the amount of sucrose present in the juice, thereafter boiling the juice for not less than one hour and subsequently sterilizing the juice.

1,532,272. COMBINED HOT AND COLD WATER FAUCET. THOMAS H. SPENCE, Seattle, Wash., assignor to Samuel M. Gross, Cleveland, Ohio. Filed Aug. 11, 1924. Serial No. 731,316. 2 Claims. (Cl. 251—106.)

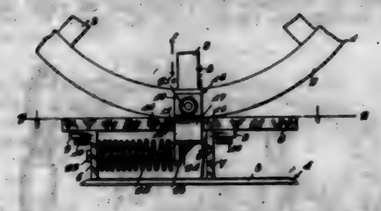
1. A faucet of the character described comprising a valve body having an upwardly tapering conical cham-

ber open at top and bottom formed with a circular valve seat at its upper and lower portions, respectively, and lateral passages on opposite sides intermediate said seats communicating with sources of water supply, respectively, together with a delivery passage intermediate said lateral passages, said chamber having divisional



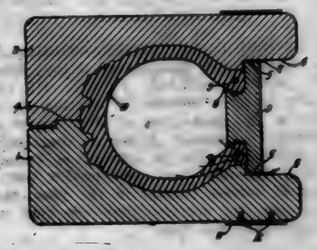
contact portions between said passages, a frusto-conical valve-member formed with branched parts connecting with said passages, respectively, a handle closing one end of said valve chamber, a screw-threaded closure for the opposite end of said chamber, a spring interposed between said closure and the lower end of said valve member.

1,532,273. FLEXIBLE-TREAD WHEEL. WYATT C. STARR, Lake Wales, Fla. Filed May 19, 1924. Serial No. 714,444. 3 Claims. (Cl. 301—44.)



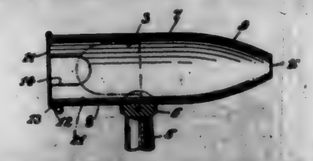
2. In a device of the class described, a tread comprising a base, a body, and means for connecting the base and the body, the body having a reduced neck; a connector loosely surrounding the neck; a spring united with the connector and with the tread; and means for assembling the connector with a wheel.

1,532,274. APPARATUS FOR VULCANIZING TIRES. WILLIAM J. STEINLE, deceased, late of Flushing, N. Y., by William Steinle, administrator, Flushing, N. Y., assignor to The Hartford Rubber Works Company, Hartford, Conn., a Corporation of Connecticut. Filed Oct. 25, 1923. Serial No. 670,649. 3 Claims. (Cl. 18—38.)



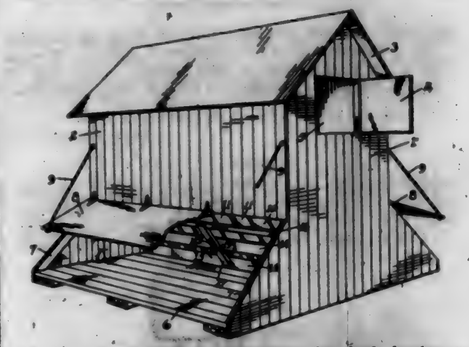
2. Tire vulcanising mold equipment comprising substantially duplicate mold sections for shaping the outside of a casing, and a sealing ring for closing the gap between the mold sections at the bead-engaging portions thereof, the total thickness of the mold sections and sealing ring at the bead-engaging portions of the sections being greater than the total thickness of the mold sections at the tread-engaging portions thereof.

1,532,275. CONFECTION SCOOP. DAVID L. STAUMPF, New York, N. Y. Filed July 21, 1922. Serial No. 576,522. 7 Claims. (Cl. 107—48.)



6. A scoop comprising a handle and an integral shell member rigid therewith having a cylindrical portion and a generally conical tapering portion continuous therewith, said shell being open at both ends and a cover for the larger end of said shell, whereby upon insertion of a cylindrical confection holder through the larger end of the scoop and closing of the cover, the operation of scooping the smaller open end into a mass of frozen confection will result in compressing a mass thereof into the open end of the cylindrical holder and in filling the generally conical end of the scoop, and whereby upon opening the cover, the handle member may be withdrawn as an integral part with the molded lump of frozen confection connected thereto.

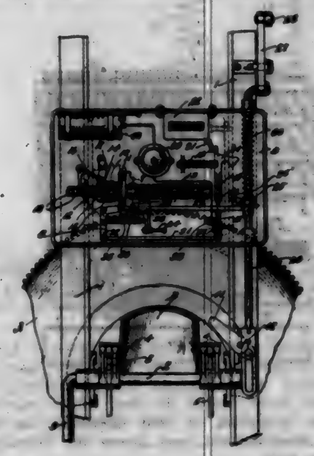
1,532,276. STOCK FEEDER. ELMER F. SWARTZ, Perrysburg, Ohio. Filed Mar. 12, 1924. Serial No. 698,639. 2 Claims. (Cl. 119—60.)



2. In a stock feeder, a container for feed, having a hopper-shaped bottom, the hopper formed of a plurality of closely positioned boards having opposed edge portions located near the lower corner of the hopper ent therefrom and forming outlets for the feed, a strip for supporting the lower ends of the said boards, doors hinged near the upper end of the said hopper and strips for supporting the ends of the doors at an incline to the horizontal, a flooring extending between the lower ends of the strips, the doors extending from the upper end of the hopper to the flooring, boards for closing and sealing the sides of the container, the ends of the hopper and the space between the strips and the flooring, adjustable slide boards extending along the sloping sides of the hopper for covering the said outlets, guide strips located on the outside of the guide boards and secured to the hopper for supporting the said boards and having slots, bolts extending through the slots and into the boards for locking the boards in adjusted positions.

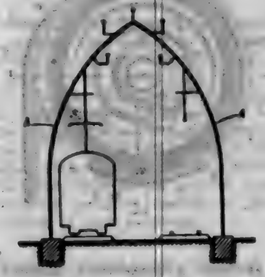
1,532,277. CONTROL MECHANISM FOR MIXING MACHINES. HERAULT A. THESTER, Milwaukee, Wis., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 6, 1916. Serial No. 89,312. 13 Claims. (Cl. 88—73.)

1. In combination, a mixing machine comprising a rotary mixer, control means including governor mechanism operable by said mixer, indicating means to advise the operator of the time of completion of the mixing operation by said mixer, means to automatically actuate



the indicating means from the governor mechanism, means for discharging the mixer, and means to prevent operation of the discharging means until after the indicating means has been operated.

1,532,278. ARCH FOR THE ELECTRIFICATION OF RAILWAYS. NELSON UHRY, Paris, France, assignor to Societe des Grands Reseaux Electriques, Paris, France, a Corporation of France. Filed Aug. 25, 1923. Serial No. 659,816. 1 Claim. (Cl. 191—40.)



A structure for supporting overhead conductors comprising a relatively light metal frame having vertical legs, and inwardly curved upper sections united at their ends forming an ogive or gothic arch.

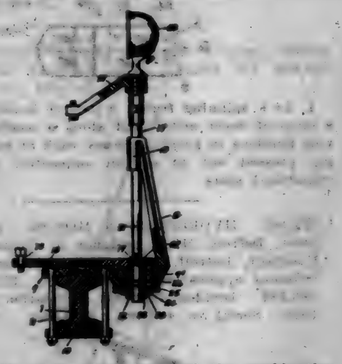
1,532,279. ENDLESS SICKLE BLADE. HOMER ULLOM, Lamar, Colo. Filed Aug. 5, 1920. Serial No. 401,865. 1 Claim. (Cl. 56—291.)



A guard bar comprising a housing providing a continuous chamber rectangular in cross section and having a slot extending along the front edge of said housing, in combination with an endless cutter having blades, the guard bar being provided with guard fingers formed integrally with the chamber and extending outwardly, the fingers being provided with upper faces inclined

downwardly towards the outer free ends of the fingers, with the blades of the endless belt inclined and slidable in face to face engagement with said fingers.

1,532,280. DIRIGIBLE HEADLIGHT. WILLIAM V. VAN ETTEN, Everett, Wash. Filed Apr. 8, 1924. Serial No. 704,918. 2 Claims. (Cl. 240—62.)



1. In a vehicle of the class described, the combination with the front axle and steering knuckle thereof, of a lamp supporting bracket rigidly fixed to the axle comprising a horisontal base plate and an upwardly directed standard; said base plate having an opening therethrough and said standard having a bearing vertically alined with the base opening, a lamp rotating lever overlying the base plate and having a sleeve bearing at one end extended rotatably through said base plate opening, a lamp supporting shaft rotatably mounted in the bearing of the standard and slidably keyed in said sleeve of the rotating lever, a locking ring fixed on the lower end of the sleeve and a spring bearing against said ring and base plate to yieldably retain the sleeve within the base plate opening, and a link pivotally connecting the rotating lever with the steering knuckle.

1,532,281. SUBMARINE LIFE-SAVER. JOHN B. VAN TINE, Lambertville, N. J. Filed Oct. 21, 1924. Serial No. 744,958. 3 Claims. (Cl. 114—16.7.)



3. The combination with a submarine having a compartment therein, a water tight closure for the compartment, means for moving the closure away from the compartment, of an escape car disposed in said compartment including a removable cover means for permitting access to the car through the compartment, means for initially raising the escape car in the compartment, a pipe extending into the compartment communicating with the exterior of the submarine, a control valve in said pipe and means for automatically releasing the closure of the compartment and for operating the control valve upon the initial raising movement of the car within said compartment.

1,532,282. THREAD-GUIDING DEVICE FOR SPINNING FRAMES. ARTHUR C. VARNUM, Southbridge, Mass. Filed Dec. 31, 1923. Serial No. 683,709. 4 Claims. (Cl. 118—11.)



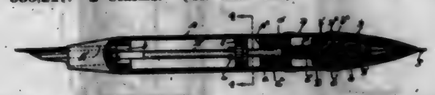
1. In a spinning frame, a pot-eye holder formed from a strip of sheet metal bent along a median line to provide portions in parallel planes, each of said portions being pressed out to provide oppositely disposed semi-cylindrical seats.

1,532,283. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Original application filed July 30, 1917, Serial No. 183,587. Divided and this application filed Aug. 23, 1920, Serial No. 405,493. 5 Claims. (Cl. 113—112.)



1. A method of welding two tubular parts together consisting in forming an annular shoulder interiorly of one such part and spaced from the end thereof, forming a similar shoulder on the other such part also spaced from the end thereof, telescoping the parts so that the end of the inner part abuts against the internal shoulder of the outer part and the shoulder of the inner part is adjacent the end of the outer part, and heating the shoulder of the inner part and the adjacent end of the outer part to cause them to flow together.

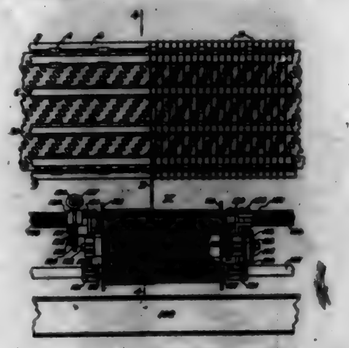
1,532,284. WRITING INSTRUMENT. FREDERICK WALDORF, Erie, Pa. Filed Feb. 13, 1922. Serial No. 536,217. 2 Claims. (Cl. 120—18.)



1. In a writing instrument a hollow handle adapted to contain writing fluid, and having an internally threaded socket in the end thereof, a tube centrally secured into said hollow handle, a lead pencil feeding mechanism comprising a lead-holder and feeding screw adapted to be screwed into said socket, and a stem on said feeding screw adapted to non-rotatably telescope in said tube.

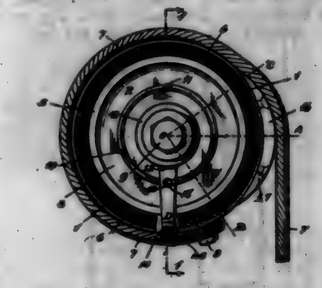
1,532,285. MACHINE FOR SPACING, TENSIONING, AND COILING MATERIAL SUCH AS WIRE. CHARLES WILLIAM WATSON, St. Kilda, Victoria, Australia. Filed June 20, 1923. Serial No. 646,726. 9 Claims. (Cl. 153—67.)

1. In agglomerate structure production apparatus, a core, a plurality of retainers located around said core, a revoluble distributor by which to position reinforcement wire bearing on said retainers and being movable lengthwise of the core at a regulated speed, means re-



sisting the revolution of said distributor to tension said wire reinforcement, and means for fastening the ends of the wire.

1,532,286. SNUBBER. HARRY D. WEED, Syracuse, N. Y., assignor to American Chain Company, Inc., a Corporation of New York. Filed Sept. 24, 1924. Serial No. 739,507. 9 Claims. (Cl. 267—10.)

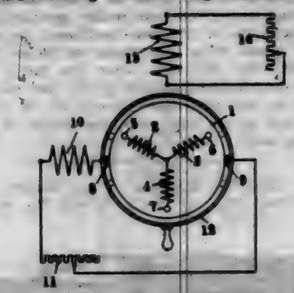


1. In a snubber, a brake-drum, adapted to be connected non-rotatively with one of two spring-connected members of a vehicle; a rotatable friction element surrounding the periphery of said drum; a draft-element coacting peripherally with said friction element to cause rotation thereof and adapted to be connected with the other of said two spring-connected members of the vehicle for actuation thereby; and means to vary the moment of rotation of said friction element about said drum, said means comprising a peripheral extension upon said friction element at a portion thereof co-operating with said draft element.

1,532,287. ALTERNATING-CURRENT MOTOR. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 17, 1924. Serial No. 699,866. 3 Claims. (Cl. 172—276.)

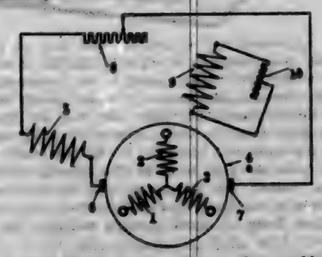
1. In a synchronous induction motor, the combination of an inducing member provided with a commutator and brushes thereon, means for supplying alternating current to the inducing member, an induced

member having an exciting winding in circuit with the brushes, said exciting circuit being adjusted to cause



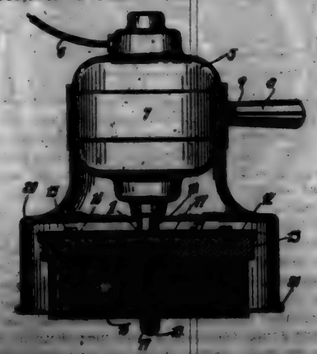
the motor to operate with approximately unity power factor at full load when the axis of the brushes coincides with the axis of the exciting winding.

1,532,288. ALTERNATING-CURRENT MOTOR. HANS WEICHSEL, St. Louis, Mo., assignor to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed June 28, 1924. Serial No. 722,904. 1 Claim. (Cl. 172—280.)



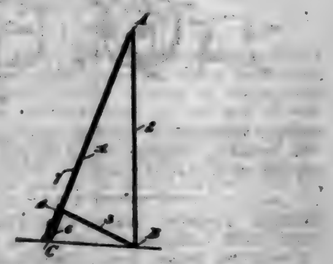
In an alternating current motor, the combination of an inducing member provided with a commutator and brushes thereon, and an induced member provided with an exciting winding in circuit with the brushes and with a second winding displaced from the excited winding, said windings of the induced member being of the concentric distributed type overlapping each other and having a smaller number of conductors in the terminal slots of each winding belt than in intermediate slots of said belt, the conductors of the excited winding being located nearest the inducing member in such slots as contain conductors of both windings.

1,532,289. ELECTRIC SCRAPER. JOHN H. WEINBRENNER, New York, N. Y. Filed Apr. 29, 1924. Serial No. 709,930. 1 Claim. (Cl. 15—28.)



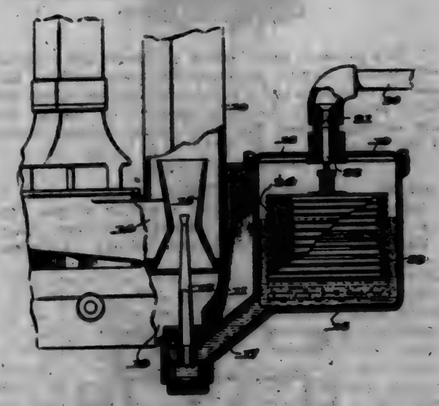
An electric scraping machine comprising a casing, a motor, a vertical shaft driven by the motor, an annular plate connected to the shaft and having a hollow extension formed with an internal annular flange, a brush head and brush attached to the plate, a cylindrical element having a top flange supported by the hollow extension, and a tension spring within said cylindrical element, one end of the said spring bearing against the shaft and adapted to normally maintain the lower end of the cylindrical element below the working surface of the brush.

1,532,290. PHOTO MOUNT. GRANT WILSON, Walton, N. Y. Filed June 30, 1923. Serial No. 648,699. 6 Claims. (Cl. 40—149.)



1. An easel mount for photographs and the like embodying in combination a back support, a connected forwardly extending strut portion having an upwardly opening pocket and a panel portion connected at its top to the back support and having its lower edge resting in the pocket.

1,532,291. FLOAT-VALVE MEANS. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 9, 1920. Serial No. 429,586. 8 Claims. (Cl. 137—104.)

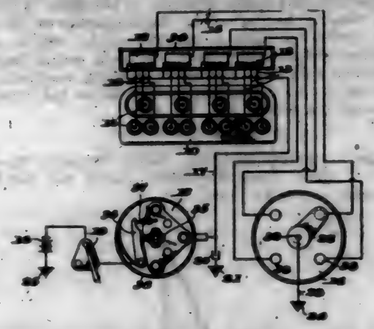


1. In an internal combustion engine, the combination with a carburetor having a float chamber, of an expansible float of corrugated sheet metal in said chamber.

1,532,292. HYDROCARBON MOTOR. LIONEL M. WOOLSON, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 8, 1921. Serial No. 449,841. 8 Claims. (Cl. 123—148.)

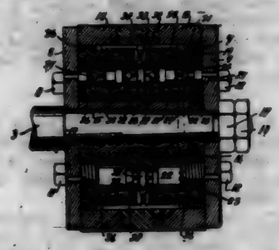
2. In a hydrocarbon motor, the combination with a motor cylinder having a plurality of sparkplugs, of means for synchronously operating said sparkplugs com-

prising a coil having a primary winding connected to a current source and having a plurality of secondary



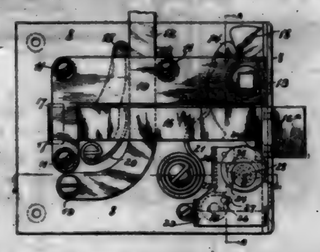
windings connected to the respective sparkplugs one of said secondary windings being formed to produce a stronger spark than the other.

1,532,293. PISTON. ARTHUR LEON ARMENTROUT, Whittier, Calif., assignor of one-half to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed May 7, 1923. Serial No. 637,312. 10 Claims. (Cl. 74—109.)



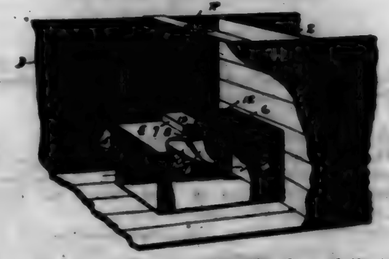
1. In a pressure pump having a cylinder and a piston reciprocating therein, an expansible wall engaging element on the piston and a pumping mechanism within the piston actuated by the pump pressure for forcing the said element against the wall on the working stroke of the piston.

1,532,294. AUTOMOBILE DOOR LOCK. PETER F. AUGENBRAUN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed June 30, 1920. Serial No. 393,044. 4 Claims. (Cl. 70—29.)



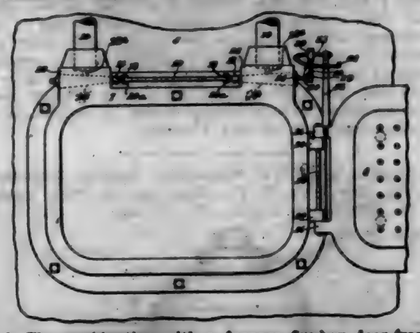
1. In a lock for automobile doors, the combination of a latch bolt, outside and inside means for retracting the bolt, a slide adapted to be moved into the path of the bolt and engage and deadlock the same, means at the inner side of the door for actuating the slide to deadlock or release the bolt, a key lock operable from the outer side of the door and having a rotary member the said key lock being independent of the bolt actuating means, a bar connected with the rotary member of the key lock and means actuated by the bar for moving the deadlocking slide to its two positions, the said slide actuating means being constructed to be moved out of engagement with the slide after the latter has been moved to dead-locking position by the key so that said slide will be left free to be moved out of engagement with the bolt by the slide operating means at the inner side of the door.

1,532,295. LIQUID METER. PAUL BAILEY, Berkeley, Calif. Filed Mar. 24, 1921. Serial No. 455,091. 3 Claims. (Cl. 73—68.)



1. An apparatus for measuring the flow of liquid in a conduit, comprising a short tube in the conduit and through which all of the liquid to be measured passes, means for forming adjacent to the tube a relatively still body of liquid, means providing for flow of liquid from the still body into the tube, means for measuring flow through the tube and operated by the dynamic force of the flow from the still body to the moving body in the tube, and means for increasing the force of said operating flow by suction effect derived from the movement of the large body of liquid passing through the tube.

1,532,296. AIR SUPPLY AND AUTOMATIC CONTROL FOR FURNACE DOORS. JOHN BALTHASAR and ANGELO VIOLA, Jersey City, N. J. Filed June 19, 1924. Serial No. 720,971. 2 Claims. (Cl. 110—55.)



1. The combination with a furnace fire-box door-frame having a passageway formed therein provided with a plurality of air discharge orifices, of means for supplying air to said passageway, a rotary valve for controlling the amount of air supplied, a door swingingly carried by said frame, a post carried by said door, a track having an inclined portion and a horizontally extending portion carried by said post, and means connected to said valve and adapted to travel on said track for causing the swinging movement of said door to rotate said valve, the inclined portion of the track causing the rotation of the valve and the horizontally extending portion permitting the door to be moved from its half opened to its fully opened position without further rotating the valve.

1,532,297. CALIPERS. CARL L. BAUSCH and EDWIN HART, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 14, 1921. Serial No. 437,835. 1 Claim. (Cl. 33—148.)



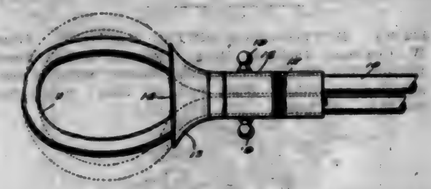
Calipers comprising a pair of members each formed of a strip of sheet metal folded upon itself to provide a substantially U-shaped cross section, means pivotally connecting said members intermediate their ends in substantially parallel relation, said members having the opposing ends thereof on one side of the pivot adapted for contact with opposite sides of an object to be measured, a spring tending to move said contact ends together, a part carried by one of said members on the opposite side of the pivot provided with a main scale arranged in an arc concentric with said pivot and graduated in suitable units, and an opposing end portion on the other member bifurcated to slidably embrace the opposite sides of said scale part and provided with a scale arranged obliquely to said main scale for movement thereover to indicate in fractions of a unit of said main scale.

1,532,298. BASKET. DAVID BLOOM, Berkeley, Calif. Filed Oct. 30, 1923. Serial No. 671,787. 6 Claims. (Cl. 217—122.)



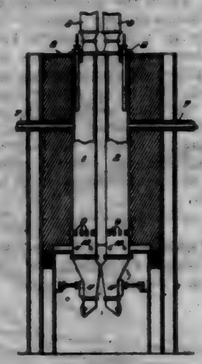
1. In a basket of the character described, an element cut to present coacting tongues merging into the body of the element in unbroken lines and formed to yield to a stem forced between the same and to individually adapt themselves to the shape of the stem for yieldingly resisting the removal thereof.

1,532,299. SURGICAL DEVICE. ALFRED H. BRAECKLEIN, Baltimore, Md., assignor of one-half to Marguerite A. Braecklein, Baltimore, Md. Filed May 1, 1923. Serial No. 636,012. 2 Claims. (Cl. 128—327.)



1. A tourniquet comprising a flexible member arranged in loop formation, a clamp mounted thereon, said clamp comprising a tubular member adapted to receive both ends of the loop, a flared mouth at one end of said tubular member for the passage of the flexible member, spaced flanges extending upon opposite sides of the mouth, means carried by the tubular member and engaging the flexible member to permit movement of the latter through the tubular member in one direction, but holding the flexible member against movement in an opposite direction and means whereby the holding means may be instantly released.

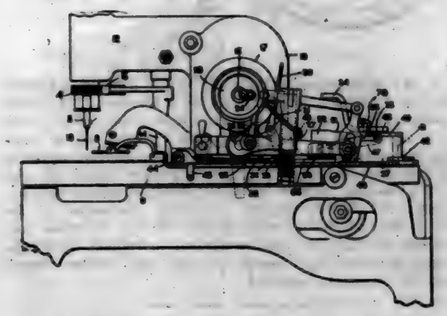
1,532,300. CONTINUOUS PROCESS OF MAKING COKE AND ILLUMINATING GAS. HERMAN BUNTE, Springfield, Mass., assignor of one-half to Charles Henry Tenney, Springfield, Mass. Filed Feb. 14, 1922. Serial No. 536,463. 1 Claim. (Cl. 202—8.)



The herein described process of making coke and illuminating gas which consists in continuously passing coal in a solid body downwardly through a retort which is externally unheated and provided with an unrestricted chamber from the top to the bottom thereof, maintaining a limited zone of combustion in said retort above the bottom thereof by burning a portion only of the coke formed therein to generate heat to carbonize the descending coal, injecting preheated air into the retort above its lower end to supply oxygen for the combustion of said portion of the coke being burned, injecting steam into the retort below the point at which the air is injected and at a point where the coke is at sufficiently high temperature to react with the steam, passing the products of combustion and gas formed in the lower part of the retort upwardly through the descending body of the coal to heat and carbonize the same and drive off its volatile constituents, passing the remainder of the coke downwardly in a unitary column beyond said combustion zone and beyond the points at which the air and steam are injected, while maintaining the same out of further contact with air or gas, with-

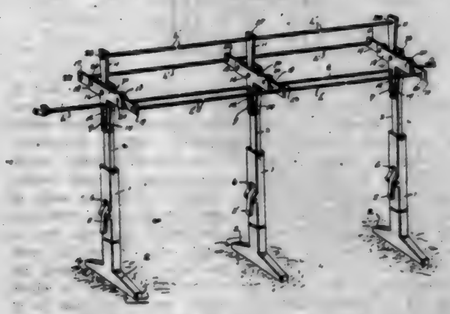
drawing from the upper part of the retort the gases and volatile products produced and continuously withdrawing the remaining coke from the lower end of the retort below the point at which the steam is injected therein.

1,532,301. BUTTONHOLE-SEWING MACHINE. JOHN W. CONNORS, Dedham, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Feb. 23, 1924. Serial No. 694,550. 3 Claims. (Cl. 112—67.)



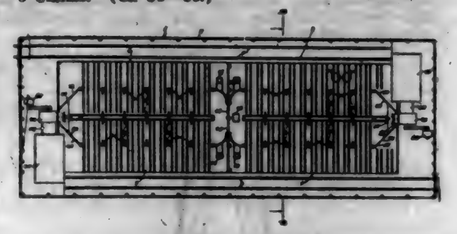
1. In a buttonhole sewing machine, the combination with a bed plate and work-holding means thereon, of a frame movably mounted on the bed plate and carrying stitch-forming mechanism which is mounted for turning movement about a vertical axis at the end of the buttonhole, a clutch by which the stitch-forming mechanism is operated, a clutch-disengaging member carried by said frame and having an arm, a latch to hold said clutch-disengaging member inoperative, a slide movably mounted on said bed plate, a latch-releasing member carried by said slide and adapted to release the latch as the frame moves, a restoring member also carried by said slide, and arranged to cooperate with said arm to restore the clutch-disengaging member to inoperative position, and means for shifting said slide to place the latch-releasing member and restoring member into or out of operative position.

1,532,302. EXTENSION CLOTHESLINE SUPPORT. CHARLES W. COOPER, Pittsburgh, Pa. Filed Mar. 22, 1924. Serial No. 701,193. 2 Claims. (Cl. 68—3.)



1. In combination with a clothes-line support provided with an open slot in its upper portion to receive a clothes-line, a detachable member provided with an open slot to straddle the line engaged with the support, a headed member carried by the support and which is received within the slot of the applied member to provide means for holding the member to the support, and additional means for holding the member to the support.

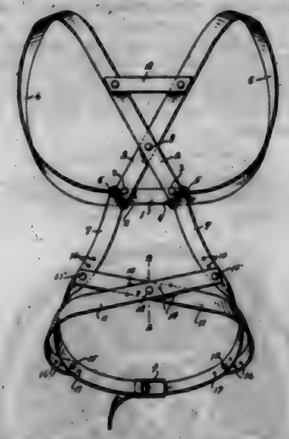
1,532,303. EVAPORATOR. WILLIAM W. COBBINS, San Jose, Calif. Filed Dec. 4, 1922. Serial No. 604,879. 6 Claims. (Cl. 34—46.)



4. An evaporator of the character described comprising two sets of tunnels, the tunnels of each set being substantially parallel one to the other and the sets being longitudinally aligned in abutting relation, and the tunnels in each set being open to each other at both ends, a plurality of transversely arranged tracks in each tunnel spaced substantially along the length of the tunnels, doors along the sides of the tunnels for admitting fruit carrying cars to any of said tracks, doors at the abutting ends of the tunnels, a source of heated air at the remote ends of each, set cooperating means for selectively blowing the heated air from opposite remote ends of the tunnels toward their abutting ends or of guiding the air straight through two of the abutting tunnels in one direction and through the other two in the opposite direction.

5. In a structure as defined in claim 4, means at the abutting ends of the tunnels for reheating the air passing therethrough.

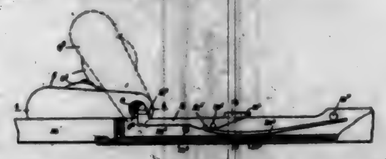
1,532,304. BODY BRACE. DONALD V. CUNNING, Youngstown, Ohio. Filed Nov. 17, 1923. Serial No. 675,403. 2 Claims. (Cl. 2—45.)



1. A brace of the class described comprising an elongated elastic strip having its central portion providing a short member, the extremities of said member being continued by upwardly and inwardly disposed members one crossing the other at a point closely adjacent to the short member, means for connecting said second named members adjacent their junctions to the short member to provide loops, buckles engaged within said loops, said second named members being continued and disposed through the buckles to provide loops adapted to be engaged over the shoulders of the wearer, means for connecting the overlying portions of the second members, means for adjustably connecting the free extremities of said second members, the portions of the second members outwardly of the buckles being adapted to be disposed

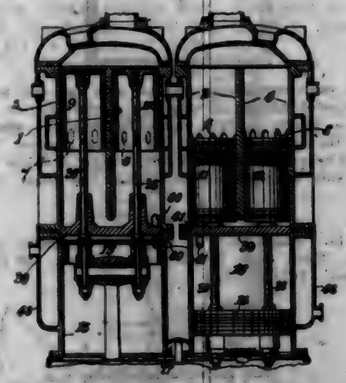
forwardly around the body of the wearer for connection in front just below the crest of the ilium, and a strip secured to each of said members outwardly of the buckle through which said member is disposed and to the other of said second named members at a point outwardly of the buckle through which the other of said second named members is directed.

1,532,305. DEVICE FOR REGULATING THE RATE OF FIRE IN AUTOMATIC FIREARMS. REGIS DARNE, St. Etienne, France, assignor to Etablissements Darne, St. Etienne, France, a Corporation of France. Filed June 11, 1924. Serial No. 719,443. 4 Claims. (Cl. 89—2.)



1. A device for regulating the rate of fire in automatic fire arms, comprising a fixed casing, a member having a reciprocating movement in the said casing during the actuation of the fire arm, a spindle rotatably mounted in the said casing, an arm fixed to said spindle so as to rock therewith, a weighted member mounted upon said arm in an adjustable position relatively to the axis of the rocking spindle so as to regulate the inertia of the said arm, a stop member carried by the reciprocating member and adapted to come in engagement with the said spindle and to rock the same and the weighted arm during the movement of the carrier member in one direction, said means allowing of said stop member to slip past the spindle during the movement of the carrier member in the opposite direction, for the purpose described.

1,532,306. INTERNAL-COMBUSTION ENGINE. JOHN DAVIDSON, Burton-on-Trent, England. Original application filed June 29, 1920, Serial No. 392,754. Divided and this application filed Aug. 15, 1923. Serial No. 657,522. 3 Claims. (Cl. 123—52.)



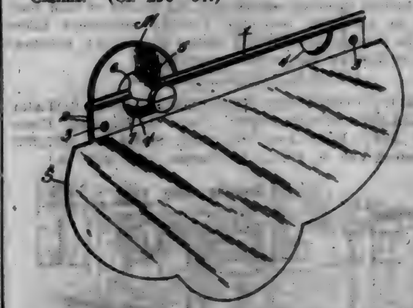
3. In an internal combustion engine, a pump cylinder; more than two working cylinders of smaller diameter arranged at one end of the pump cylinder parallel with one another and in open communication with one another at one end; a combustion head at the other end of the working cylinders common to all of the working cylinders; a pump piston in the pump cylinder; more than two working pistons in the working cylinders each working cylinder having one working piston only; means enclosed in the pump and working cylinders positively connecting the pump and working pistons together; a connecting rod; and pivotal means on the outer face of the pump piston for direct connection of the pump piston to the connecting rod.

1,532,307. TOY. RAY W. DOVER, Cambridge, Ohio. Filed Apr. 9, 1924. Serial No. 705,814. 1 Claim. (Cl. 46—40.)



A toy of the character described comprising a base member having a figure thereon representing a head in profile, and a flexible element having one end secured to the lower portion of the forehead and the other end secured to the neck of the figure, said flexible element being normally V-shaped, whereby the intermediate portion of the element is permitted to form irregular lines on said base to change the lines of the profile.

1,532,308. GLARESHIELD. ROSWELL DOWNING, Oneida, N. Y. Filed Feb. 28, 1924. Serial No. 695,772. 5 Claims. (Cl. 296—97.)



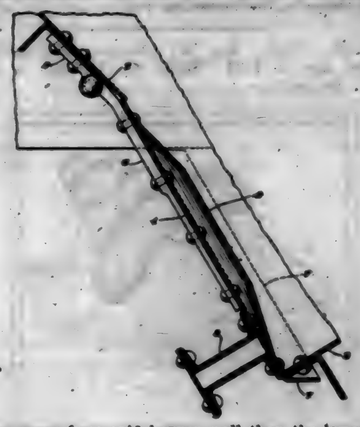
1. A device of the character described comprising, in combination, a securing member provided with an outstanding lug of yieldable material having a diametral opening therethrough, and a screen having a part disposed through the opening of the lug and in close frictional engagement with said lug.

5. A device of the class described comprising, in combination, a plurality of suction cups provided with outstanding lugs, a clip having parts disposed through the lugs whereby the clip and lugs are connected for relative swinging movement, and a screen carried by said clip.

1,532,309. RAILWAY CAR. IRA EVERETT, Sayre, Pa., and GEORGE T. COOKE, New York, N. Y. Filed Sept. 19, 1921. Serial No. 501,591. 4 Claims. (Cl. 105—280.)

1. In a railway car having hopper walls, a metallic door provided with a continuous flange about the side and bottom edges thereof extending upwardly from the door body so as to embrace the lower edges of said

hopper walls, said flanges deflected from the door body to such an extent that the upper part of said flange is



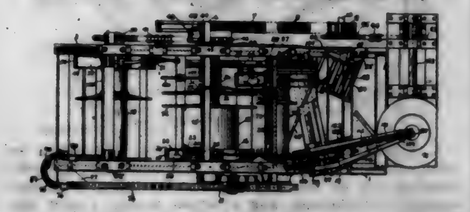
further away from said hopper wall than the lower part of said flange.

1,532,310. HAT CONVERTIBLE INTO UMBRELLA. ELISABETHA FUNKE, Zurich, Switzerland. Filed Nov. 12, 1920. Serial No. 423,527. 3 Claims. (Cl. 2—191.)



1. A hat comprising a crown and a brim, said brim comprising a plurality of sections, foldable material covering said sections, hingedly fastened rods adapted to be turned in or outwards, and the hinges of said rods being so arranged that the turning movement takes place in planes substantially radial to the hat, substantially as and for the purpose specified.

1,532,311. COMBINED PERCUSSION AND ROTARY DRILLING APPARATUS. JOHN H. HERMAN, Houston, Tex. Filed June 13, 1921, Serial No. 477,202. Renewed Feb. 9, 1925. 13 Claims. (Cl. 255—3.)



1. A rig for well drilling comprising a frame, a drill reel and a casing reel mounted thereon in horizontal alignment, a crank shaft on said frame, a sand reel mounted idly on said shaft, means to clutch said sand reel to said crank shaft, a Samson post at each side of said frame, a bridge connecting the upper ends of said posts, a walking beam on said posts, means to rock said beam comprising a connection between the rear end thereof and the said crank shaft, and means to rotate said shaft and said reels.

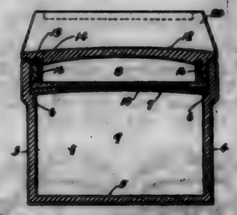
1,532,312. FOLDING IRONING BOARD. ERNUS LLEWELLEN HUBB, Nashville, Tenn. Filed Feb. 21, 1924. Serial No. 696,840. 3 Claims. (Cl. 68—17.)

1. In a structure of the character described, a vertically arranged enclosing and supporting cabinet, strips arranged vertically at opposite sides of the cabinet interiorly thereof, one strip being formed with ratchet teeth, a bracket slidably engaged with said strips, a pawl pivoted on said bracket and cooperating with said ratchet teeth for holding the bracket at an adjusted



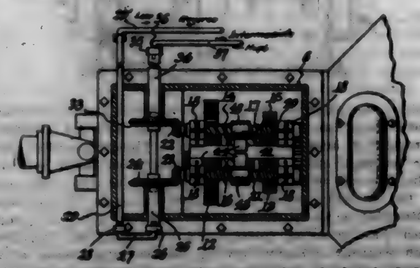
vertical position, an ironing board pivoted upon the top of the bracket and adapted to be swung outwardly of the cabinet into a horizontal position, a slotted guide on the underside of the board, and a brace pivotally connected with the lower end of the bracket and slidably engaged with said slotted guide.

1,532,313. BURIAL VAULT. THOMAS F. JETTE, Everett, Wash. Filed Apr. 28, 1924. Serial No. 709,491. 2 Claims. (Cl. 72—7.)



1. A vault comprising opposite side and end walls, a form located within the vault in spaced relation to the walls, a plastic sealing material filling the space between the form and vault walls and a cover section adapted to overlie the vault and having a flange on its under side adapted to seat within the edges of said walls.

1,532,314. GEAR SHIFT. HENRY CARL JOHLS, Temple, Tex. Filed Sept. 9, 1924. Serial No. 736,761. 5 Claims. (Cl. 74—89.)



1. A transmission gearing operating device including a pair of worms, supported above the gearing of a transmission, gear shift forks having heads formed with threaded openings adapted to accommodate the worms, said forks having connection with gears of the transmission, and means for rotating the worms to move the forks for moving the gears.

1,532,315. PIPE CUTTER. VICTOR KARBOWSKI, Chicago, Ill. Filed Dec. 17, 1923. Serial No. 681,255. 2 Claims. (Cl. 81—192.)



2. A pipe cutter of the type described comprising a handle member, a chain consisting of a plurality of links secured to one another by means of shafts, and having one end secured to the handle member, a pipe cutting wheel rotatably mounted on each of said shafts, said wheels having substantially flat side walls perpendicular to the shaft upon which they are mounted and having a V-shaped recess in the outer peripheral wall thereof, its walls merging with the side walls of said cutting wheels to form a pair of sharp cutting edges, and means for securing the free end of said chain to said handle, whereby said chain may be wrapped about the outer wall of said pipe and be moved longitudinally thereabout to cause the cutting wheels to bite into and sever said pipe.

1,532,316. COLLAPSIBLE BOX. FERDINAND M. KAUFMAN, Atlanta, Ga. Filed July 14, 1924. Serial No. 725,854. 2 Claims. (Cl. 229—41.)



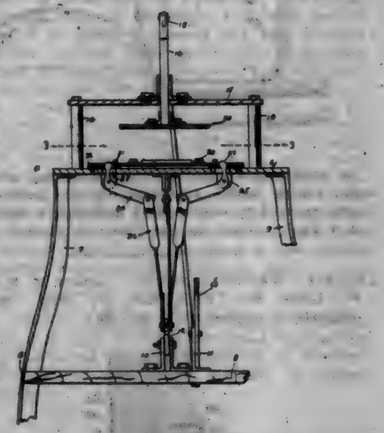
1. A collapsible box comprising a rectangular shell, an end closure joined to ends of opposite sides of said shell, end tabs forming extensions from the free sides of said shell and hinged thereto, said end closure, the free sides of said shell and said tabs each having a hinge in a common plane through the center of the box upon which the box may collapse with outward movement of the hinges, a fold in the double thickness of said collapsed tabs about which the projecting corner may swing to permit the tabs to pass to the interior of the expanded box under the hinge of the end closure.

1,532,317. EYESHIELD. EDMUND WINCHESTER KINGSBURY, Framingham, Mass. Filed Feb. 10, 1923. Serial No. 618,306. 1 Claim. (Cl. 2—12.)



A device of the class set forth embodying a thin piece of material through which a person may observe a binding light without objectionable interference with his vision, a frame in which said material is mounted, a curved band adapted to fit flat against the forehead of said person, this band being attached to the upper edge of said frame, said frame projecting forwardly and downwardly from said point of attachment at an angle which will maintain said frame above the line of vision when the head of the wearer is in normal vertical position, and an adjustable head-band attached to said forehead-band for clamping the forehead-band against the head of the wearer.

1,532,318. PANEL-MANUFACTURING DEVICE. WILLIAM STIMS KISINGER, Covington, Ky., assignor to The Donaldson Art Sign Company, Covington, Ky., a Corporation of Kentucky. Filed Aug. 31, 1922. Serial No. 585,567. 4 Claims. (Cl. 153—13.)

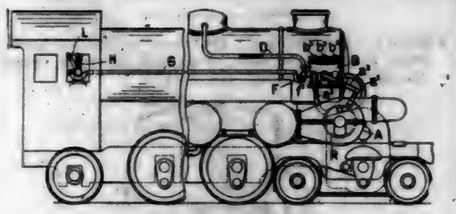


1. In a device of the class described the combination of a table having a depression formed in its top, a reciprocating shaft carried by the table, a foot carried by the shaft adapted to enter the depression in the table, dies carried by the table adapted to be reciprocated above the depression, perpendicular to the reciprocating shaft, and lever actuated means to reciprocate the shaft and the last mentioned dies.

1,532,319. TURBINE LOCOMOTIVE. REINHARD KLINGELHÖFFER, Werden-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Jan. 22, 1924. Serial No. 687,853. 5 Claims. (Cl. 188—90.)

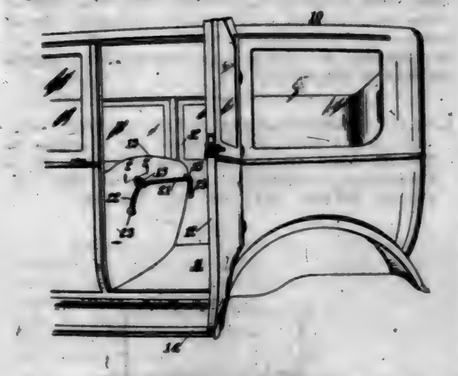
1. In a turbine locomotive a train brake and a mechanism for throwing the train brake in and out, means

for directly braking the rotary energy of the rotating parts of the turbine upon the train brake being thrown



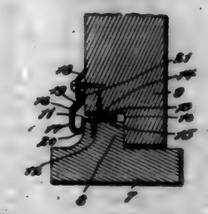
in, said means being arranged so as to be in positive engagement with the said mechanism during its action of throwing-in the train brake.

1,532,320. ROBE SUPPORT AND HANDLE. ARCHER L. KNAPP, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 21, 1923. Serial No. 633,601. 1 Claim. (Cl. 296—77.)



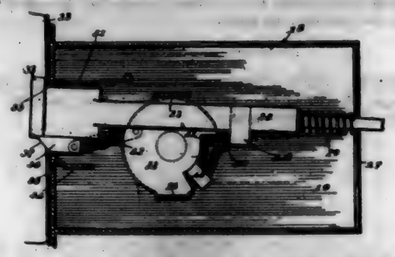
In combination with a robe supporting member for motor vehicle bodies, a bracket for said member, and a handle secured to said bracket including a flexible cable and a knob secured to the free end thereof.

1,532,321. WEATHER STRIP. ARTHUR H. KUHLMANN, St. Louis, Mo. Filed Mar. 10, 1922. Serial No. 542,684. 3 Claims. (Cl. 20—69.)



1. A weather proofing for casement windows, comprising an element composed of a shield, a trough and a tongue and arranged for securement to a sill, an element having a hook and arranged for securement to a sash and an element comprising a table, a deflector and a reentrant portion and arranged for securement to a sash, said tongue and hook adapted to form a weather seal in the joint between the sill and sash and said table, deflector, reentrant, shield and trough adapted to form a water seal for said joint.

1,532,322. DOOR CATCH. JAMES HENRY LANE, Richfield, Idaho. Filed June 2, 1923. Serial No. 648,060. 4 Claims. (Cl. 292—63.)



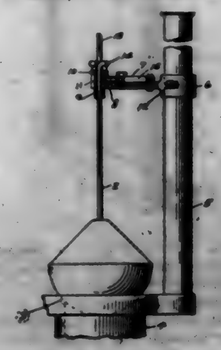
1. A device of the character described comprising a spring pressed vertically shiftable lock bolt, a rotatable disc, a handle pivotally supported upon said disc and said handle being adapted to be utilized for rotating said disc, a lug extending from said bolt adapted to be engaged by said handle when the latter has been swung in one direction about the axis of its pivot, whereby the lock bolt will be retracted, and means adapted to be actuated when the disk is rotated in one direction to elevate the lock bolt at the forward end of the latter.

1,532,323. EYEGLASS MOUNTING. JAMES T. LAUGHLIN, Santa Barbara, Calif. Filed Sept. 17, 1923. Serial No. 663,089. 4 Claims. (Cl. 88—41.)



1. A lens mounting formed from a single strip of sheet metal and comprising a nose bridge, nose grips integrally formed at the lower ends of the sides of said bridge, lens clamps arranged at the juncture of the bridge and grips and formed from the same strip of metal, a pair of opposed fingers stamped from the strip and adapted to bear against the periphery of the lens at points immediately above and below the point of attachment of said lens clamps, and a pair of superorbital arch engaging fingers formed with said grips.

1,532,324. FLUSH VALVE. HARRY G. LAWRENCE, Salt Lake City, Utah. Filed Oct. 15, 1923. Serial No. 668,782. 2 Claims. (Cl. 4—57.)



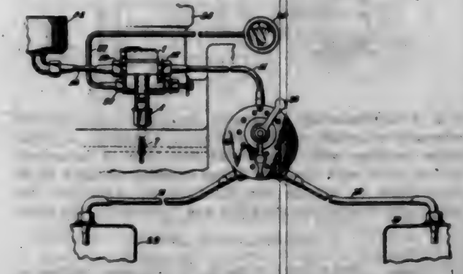
1. In a device of the character described including a valve with a stem, means for guiding the stem for longitudinal sliding, a bracket supporting the guiding means and slotted for lateral passage of the stem upon removal of the guiding means from the bracket.

1,532,325. METHOD OF PRODUCING FORMS. GOCK YOU LEE, San Francisco, Calif. Filed Jan. 12, 1924. Serial No. 685,876. 7 Claims. (Cl. 41—10.)



1. The method of producing three dimensional shell forms which consists in shaping a foraminous material to the finished form co-extensive therewith and of then securing it in such a condition by the application thereto of a plastic cementitious material for subsequent hardening.

1,532,326. FLUID-TRANSFER DEVICE. LEON B. LENT, New York, and CHARLES B. KIRKHAM, Garden City, N. Y. Filed Sept. 29, 1921. Serial No. 504,128. 3 Claims. (Cl. 103—4.)



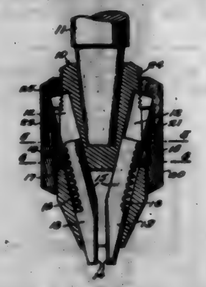
3. In a device for transferring fluid, the combination of a casing, a power driven gear pump within the casing for effecting a transfer of fluid through the casing at constant delivery pressure, said casing being provided with a passage for returning excess fluid discharged from the pump to the inlet side thereof, a spring loaded valve controlling said passage, means for regulating said valve to vary the pressure at which fluid is delivered by said gear pump, an auxiliary pump for transferring fluid independently of said gear pump through a second passage in said casing, a valve controlling said second passage, said gear pump and auxiliary pump being independently operable and connected in series whereby fluid transferred by the auxiliary pump passes through the gear pump.

1,532,327. INVISIBLY-STITCHED SEAM AND METHOD OF MAKING SAME. FRANK LUPPINO, Watkins, N. Y. Filed Jan. 14, 1924. Serial No. 685,945. 7 Claims. (Cl. 112—262.)



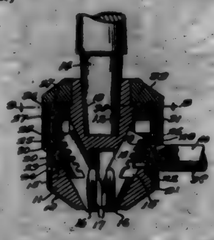
7. The herein described method of forming an invisibly stitched seam for connecting two parts of leather or the like and of substantially the same thickness, and having edges which are adapted to abut, which consists in forming an inclined channel adjacent each of said abutting edges so that the bottoms of the channels extend substantially parallel with said abutting edges and lie in planes substantially midway between the opposite faces of said parts, passing stitches from the bottom of each of said channels to the bottom of the other channel so that said stitches extend substantially parallel with and between the opposite faces of said parts in a direction away from the open ends of said channels, and closing said channels to conceal said stitches in the material of said contacting parts.

1,532,328. CHUCK. HARRY R. MCCONNELL, Richmond, Va., assignor to The McConnell-Browning Engineering Company, Richmond, Va., a Corporation of Virginia. Filed Sept. 30, 1922. Serial No. 591,536. Renewed Aug. 16, 1924. 1 Claim. (Cl. 279—62.)



A chuck comprising a body portion having its upper end threaded, a plurality of downwardly converging slidable gripping elements carried by said body portion and adapted to be clamped about a tool, said gripping elements being provided upon their outer faces with relatively high pitch threads, a rotatable ring surrounding said body portion and having internal threads engaging the threads on said gripping elements, an externally threaded slidable sleeve surrounding said body portion between said rotatable ring and the threaded end of the body portion, said rotatable ring being capable of relatively slight longitudinal movement limited in one direction by said slidable sleeve, the threads on said body portion and said sleeve being of different pitch, and a rotatable sleeve surrounding said body portion and having internal threads engaging the threads on said slidable sleeve and said body portion.

1,532,329. CHUCK. HARRY R. MCCONNELL, Richmond, Va., assignor to The McConnell-Browning Engineering Company, Richmond, Va., a Corporation of Virginia. Filed May 1, 1923. Serial No. 635,964. 4 Claims. (Cl. 279—62.)



1. A chuck comprising a body portion, jaw members slidably mounted in said body portion and adapted to be gripped about a tool, a pair of sleeves surrounding said body portion and oppositely rotatable, each of said sleeves being arranged to move all of the jaw

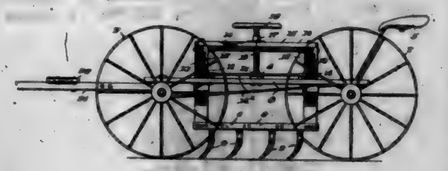
members simultaneously into engagement with the tool, and an operating member connected between said sleeves and adapted to effect successive rotation of said sleeves in opposite directions.

1,532,330. AUTOMATIC EXPANDING OIL DRILL. DONALD HENRY MITCHELL, Chattanooga, Tenn., assignor of one-half to Harley A. W. Howcott, New Orleans, La. Filed Oct. 22, 1923. Serial No. 670,170. 15 Claims. (Cl. 255—75.)



1. A drill comprising a body portion having an upwardly opening longitudinally disposed way therein, the lower portion of which is enlarged and formed with oppositely arranged windows, a rod slidably received in said way carrying a flattened plate on its lower end, cutters pivotally connected to said plate and adapted, at times, to be extended through said windows, means for automatically locking said rod against sliding movement and operable to release the same upon upward movement of the drill, and a bit connected to the lower end of the drill.

1,532,331. WHEELED CULTIVATOR. TIB MONTOYA, El Valle, N. Mex., assignor of one-half to J. C. Gallegos, Espanola, N. Mex. Filed Oct. 26, 1923. Serial No. 670,978. 3 Claims. (Cl. 97—159.)



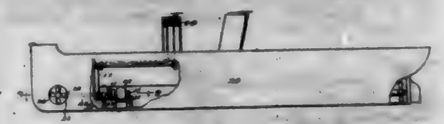
3. In a cultivator, the combination of a frame, a frame guided by and bodily movable up and down relative to the first-named frame and equipped with means for engaging the ground, cooperating means on said frames at several points for the bodily raising and lowering of the second-named frame, and manually operable means connected with the said means on the first-named frame for the vertical adjustment and adjustable fixing of the second-named frame.

1,532,332. LIGHT. CHARLES H. MUCKENHIRN, Detroit, Mich. Filed Aug. 4, 1921. Serial No. 489,706. 1 Claim. (Cl. 240—48.4.)



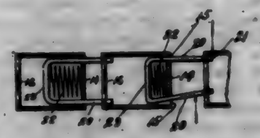
As a new article of manufacture, a light-housing closure composed of film-like flexible material having a succession of concentrically arranged projecting portions of progressively varying diameters to reinforce the closure, said projecting portions merging by easy curvatures into one another to permit flexing of the closure under lateral pressure without breakage.

1,532,333. PROPELLER. DANIEL FRANCIS MURPHY, Galveston, Tex. Filed Apr. 19, 1923. Serial No. 633,264. 5 Claims. (Cl. 115—34.)



1. A manœuvering apparatus for water craft having a rotary propeller axially disposed to produce a transverse impulse with relation to the path of movement of the craft, said propeller being radially movable in its own plane to reverse the direction of transverse impulse, and means for operating and controlling the same.

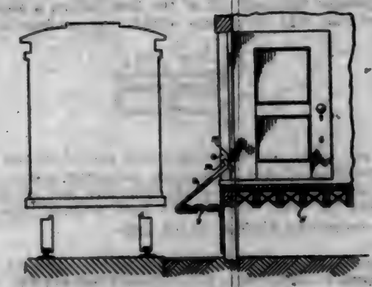
1,532,334. BRACELET. NELS T. NELSON, Attleboro, Mass., assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1924. Serial No. 689,231. 12 Claims. (Cl. 59—79.)



1. A bracelet structure comprising a series of box links, means for elastically connecting said links including a resilient connector member slidaby housed in the box link and responsive to manual manipulation to detachably connect said links whereby links may be inserted or removed at will to change the effective length of said bracelet.

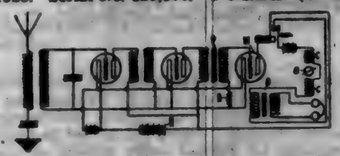
1,532,335. SAFETY ATTACHMENT FOR SHIPPING PLATFORMS AND THE LIKE. PETER NORD, Lestock, Saskatchewan, Canada. Filed Sept. 10, 1924. Serial No. 737,014. 4 Claims. (Cl. 104—31.)

1. A device of the character described adapted to retain a shipping platform in elevated position comprising a body to rest on the top of said platform with the depending end to embrace said platform pivoted to the warehouse, the remote end being provided with a T-head



at said connection, said T-head being adapted to interfere with the door when said hook is moved from horizontal position, as and for the purpose specified.

1,532,336. WIRELESS-TELEGRAPH CALLING DEVICE. WILLIAM HOCKLEY NOTTAGE, Ruislip, and THOMAS DIXON PARKIN, Chelmsford, England, assignors to Radio Corporation of America, a Corporation of Delaware. Original application filed Dec. 18, 1920, Serial No. 431,599. Patent No. 1,452,925, dated Apr. 24, 1923. Divided and this application filed Feb. 23, 1923. Serial No. 620,696. 4 Claims. (Cl. 250—2.)



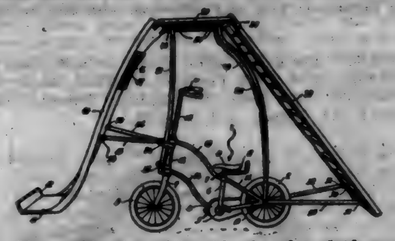
1. In radio receiving apparatus the combination of an antenna, a spring controlled balance wheel, and electromagnetic means controlled by said antenna for causing said balance wheel to oscillate.

1,532,337. BABY-CARRIAGE BODY. GEORGE E. O'HEARN, Gardner, Mass., assignor to O'Hearn Manufacturing Company, Gardner, Mass., a Corporation of Massachusetts. Filed May 11, 1923. Serial No. 638,262. 1 Claim. (Cl. 280—47.)



In a baby carriage, a rigid body having a rigid rim, a removable rigid inner shell having an outturned rigid rim for suspending said inner shell in said body without contact between the bottom of said inner shell and the said body, supporting members on the bottom of said inner shell so that it may rest on a surface when removed from the said body without contact between the bottom of said shell and said surface, and a well opening in said inner shell for the projection of an occupant's feet therein.

1,532,338. APPARATUS FOR ANIMAL ACROBATS. EMIL PALLENBERG, Clinton, Conn. Filed Aug. 29, 1923. Serial No. 659,293. 6 Claims. (Cl. 208—130.)



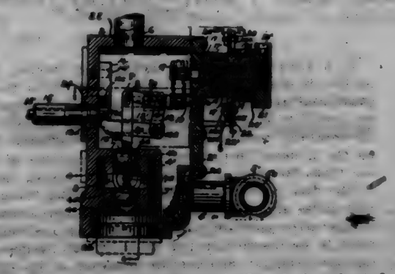
1. The combination with a bicycle, of a platform supported above the latter from the frame thereof and means at the forward and rearward ends of the platform whereby a trained animal may mount and descend from the same.

1,532,339. WHEELED TOY. EDWARD H. PARKE, Findlay, Ohio. Filed Feb. 26, 1923. Serial No. 621,243. 6 Claims. (Cl. 46—47.)



1. A toy of the class described comprising a wheel supported structure including an axle having wheels fixed thereto, pins carried by said axle and extending in planes at right angles to each other and projecting at their opposite ends beyond the axle, a bracket mounted on the axle, a bell mounted to swing on said bracket, and fingers carried by the bell and located in the path of said pins whereby the turning of the axle will ring the bell.

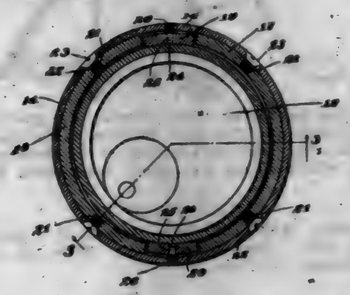
1,532,340. HEAT CONTROL FOR INDUSTRIAL OVENS. HOWARD W. PARSLOW, Utica, N. Y. Filed June 14, 1924. Serial No. 720,116. 9 Claims. (Cl. 236—15.)



1. A heat governor, comprising a hollow body adapted to be charged with fuel gas to be delivered to burners for producing the heat, a primary gas receiving chamber within said body, a thermostat supported by one end of the body adapted to be inserted in the zone of the heat evolved by the burners, a mechanism for predetermining maximum and minimum degrees of heat to be controlled by the thermostat, located at the opposite end of the body, a pair of valves in said receiving chamber, said valves being flexibly and adjustably connected and being arranged for simultaneous operation for controlling the

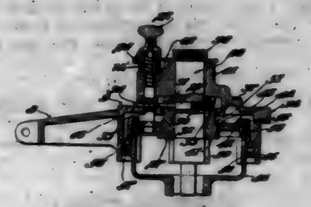
outflow of the fuel gas towards the burners, and a series of connected links interposed between and operatively connecting said thermostat and said predetermining mechanism with each other and with said valves.

1,532,341. LOCKING DEVICE FOR FUSES AND THE LIKE. CHARLES H. PEARSON, Brookline, Mass. Filed Nov. 26, 1920, Serial No. 426,406. Renewed July 1, 1924. 11 Claims. (Cl. 102—36.)



1. An improved coupling for connecting a rotatable setting cap to a fuse base, comprising circumferential grooves in the setting cap and fuse base normally in alinement with each other, a plurality of segments normally located in the groove in the fuse base, and means for drawing such segments radially into the groove in the setting cap and partially out of the groove in the fuse base.

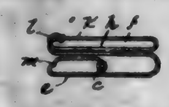
1,532,342. STEERING WHEEL FOR AUTOMOBILES. SILAS A. PIERCE, Jr., Pawtucket, R. I., assignor to P. S. L. Company, Attleboro, Mass., a Corporation of Massachusetts. Filed Nov. 18, 1921. Serial No. 516,056. 5 Claims. (Cl. 70—129.)



1. A steering wheel for automobiles having, in combination, a steering shaft, a disk mounted on the steering shaft and rotatable therewith, a housing provided with an inwardly extending flange, a spring pressed pin bodily rotatable with the disk adapted to engage the flange on the housing to prevent the disassembling of the housing from the disk, a locking bolt for locking the housing to the disk, said locking bolt and housing being provided with holes adapted to be aligned when the locking bolt is in operative position, thereby enabling a slender instrument to be inserted in the holes for the purpose of pushing back the pin against the pressure of its spring, and thereby permit the disengagement of the housing from the steering shaft disk, and a steering wheel mounted on the housing.

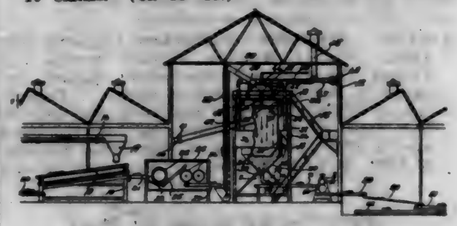
1,532,343. SHOULDER-STRAP HOLDER. ISABELLE JOHNSTON POTTER, Birmingham, England. Filed Apr. 19, 1924. Serial No. 707,644. 5 Claims. (Cl. 24—85.)

1. A garment holding device comprising means for detachably connecting it to an outer garment at the shoulder of the wearer and a clip comprising a loop into and out of which a shoulder strap may be moved, the passage into and out of the loop having a yieldable obstruction that terminates within the confines of the



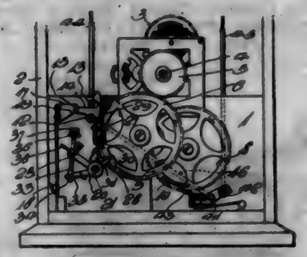
loop and above the strap-supporting portion of the loop, the terminal of said obstruction extending toward such strap-supporting portion of the loop and free therefrom, whereby the strap lies between such terminal and said strap-supporting portion of the loop.

1,532,344. PROCESS OF DISINTEGRATING AND DRYING PEAT. FREDERICK A. PLUMMER, Minneapolis, Minn. Filed Mar. 29, 1923. Serial No. 628,559. 10 Claims. (Cl. 44—38.)



1. The process of producing peat in finely divided dry condition, which consists first in disintegrating wet or damp peat, second in projecting the disintegrated peat in a shower through a drying air current and drying the same by said air current while floating or suspended therein, and third in precipitating and collecting the pulverized or finely divided dry peat.

1,532,345. ELECTRIC SWITCH. GEORGE F. RAUCH, Pukwana, S. Dak. Filed Oct. 26, 1922. Serial No. 597,128. 13 Claims. (Cl. 250—39.)



1. In combination, a movable switch member, a movable actuator having means for moving said switch member to closed position when said actuator is moved in one direction to a predetermined extent, means operated by said actuator for moving said switch member to open position, when said actuator moves further in the same direction, and chronometric means for moving said actuator in the specified manner.

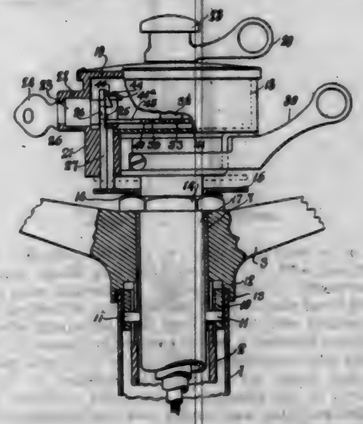
1,532,346. PROPELLER. ISAIAH L. ROBERTS, Nueva Gerona, Isle of Pines, West Indies, assignor of one-half to William C. Lichtenstein, Jersey City, N. J. Filed Oct. 15, 1918. Serial No. 258,160. 3 Claims. (Cl. 170—167.)

1. A propeller comprising a plurality of circumferentially and axially extending helicoidal blades and arms lying in substantially the same radial plane connecting the blades to the shaft, said arms having con-



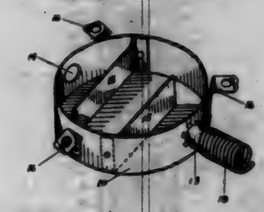
caved propelling surfaces whose cords are set on pitch lines co-ordinating with the pitch lines of the helicoidal blades.

1,532,347. LOCK FOR IGNITION SYSTEMS AND STEERING WHEELS. LOUIS R. RUTHENBURG, Dayton, Ohio. Filed Feb. 28, 1923. Serial No. 620,795. 8 Claims. (Cl. 70—127.)



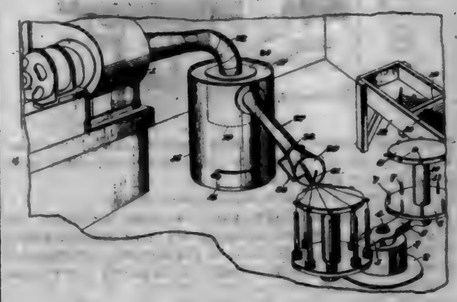
1. In combination, a steering wheel mechanism, an ignition control system, and means of rendering inoperative the steering mechanism and the ignition control system, said means having its manually actuated portions located above the steering wheel composing a part of the steering mechanism.

1,532,348. OIL HEATER. GEORGE A. SAVILLE, Jr., and PETER SCHMALL, Lincoln, Nebr., said Schmall, assignor to said Saville, Jr. Filed Oct. 20, 1924. Serial No. 744,770. 2 Claims. (Cl. 184—104.)



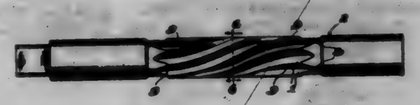
2. An oil heater having the form of the strainer plate of an internal combustion engine and being adapted to be secured in intimate contact with the exterior surface of the strainer plate, said oil heater having an open side adjacent the strainer plate, an inlet port in the side of said oil heater, a nipple secured to the said oil heater at the inlet port, a conductor connected to said nipple and adapted to be connected to receive exhaust gases from the engine and to conduct the exhaust gases into the said oil heater, baffle plates within said oil heater for providing a tortuous passageway for the exhaust gases within the oil heater, and resilient ears secured to the said oil heater, said ears being adjustable in position and being provided with apertures for receiving the bolts which secure the strainer plate to the wall of the crank case of the engine.

1,532,349. BOBBIN CLEANER. ROBERT SCHOFIELD, South Dartmouth, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 12, 1925. Serial No. 2,036. 11 Claims. (Cl. 28—19.)



6. In a machine for removing waste yarn from bobbins, the combination of a yarn gathering tank, an air conduit communicating with said tank, a baffle extending into said tank and having imperforate side walls opposite the air conduit and a bottom screen wall, and means for inducing air currents through said conduit to cause the waste yarn and air currents to strike against the exterior of the imperforate side walls of the baffle and be deflected downwardly and the air currents to pass about the lower edges of the side walls upwardly through the bottom screen wall of the baffle freed from all the waste yarn.

1,532,350. METHOD OF MAKING HELICAL EXPANSIBLE REAMERS. WALTER A. SHATTO, Millersburg, Pa. Filed Dec. 29, 1923. Serial No. 683,524. 6 Claims. (Cl. 76—108.)

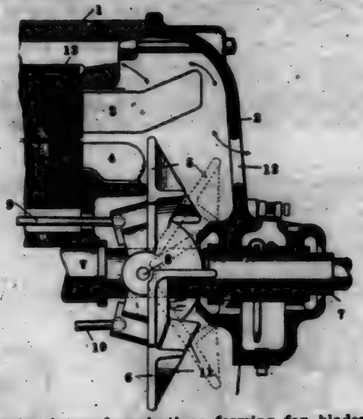


1. The steps in the method of making an helical expansible reamer which consists in providing flutes and radial slots between and parallel with the flutes, and heating the reamer and twisting the same to obtain the desired helical angle of the flutes.

1,532,351. DYNAMO-ELECTRIC MACHINE. DANIEL L. SHEA, St. Louis, Mo., assignor, by mesne assignments, to Wagner Electric Corporation, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 20, 1921. Serial No. 508,907. 8 Claims. (Cl. 171—252.)

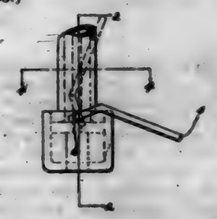
2. A dynamo electric machine having switching means comprising weights pivoted on an axis in the plane of

the rotor shaft axis and rotatable on said pivots, said weights being provided with a plurality of substantially



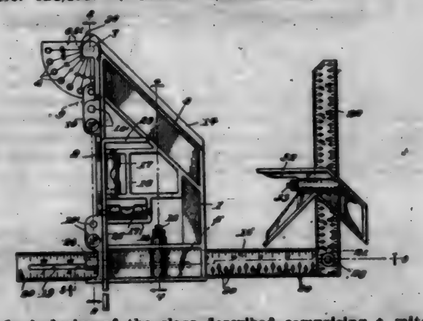
triangular integral projections forming fan blades positioned in planes radial to the rotor shaft with their bases nearest the shaft.

1,532,852. HOSE COUPLING. SAMUEL A. SNELL, St. Louis, Mo., assignor to Moon Brothers Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 25, 1921. Serial No. 517,684. 2 Claims. (Cl. 285—165.)



1. In a hose coupling, a cup, a compressible collar seated therein, a U-shaped lever for compressing said collar, the legs of which are pivoted on said cup and are provided with cam-like terminals which lie in a plane inclined to the plane containing the remainder of the lever whereby when the collar is compressed, the manually manipulated end of the lever is forced against the hose attached to the coupling to lock the coupling in collar-compressing position.

1,532,853. COMBINATION TOOL. LEONIDAS NINDE WALDRON, Amity, Oreg. Filed Mar. 12, 1923. Serial No. 624,490. 7 Claims. (Cl. 33—39.)



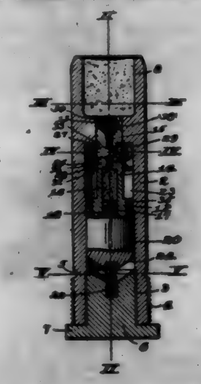
1. A device of the class described comprising a miter frame of T-shape in cross section and having a slot in its miter end, a miter blade and saw guide pivoted to the wide part of the frame with the blade engaging the slot and adjustable supporting members in the enlarged part of the frame.

1,532,854. REVOLVING STOOL. JOSEPH S. WALTON, Los Angeles, Calif. Filed Nov. 9, 1923. Serial No. 673,851. 2 Claims. (Cl. 155—95.)



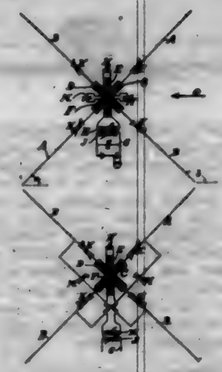
1. In a revolving stool, a pedestal provided at its upper end with an inwardly extending flange and with an outwardly extending flange, an upright stop in the pedestal and connected to the inwardly extending flange, a segmental ring hooked over said outwardly extending flange and forming a swivel connection therewith, a stop on said ring cooperating with the stop on the inwardly extending flange for limiting the rotation of the ring relatively to the pedestal, a coil spring arranged in the pedestal and ring and having one end anchored in the inwardly extending flange and the other end anchored to said ring, bolts detachably connecting the segments of the ring together, and a seat spider detachably connected to said ring.

1,532,855. PERCUSSION FUSE. CHARLES P. WATSON, Big Pine, Calif. Filed Mar. 9, 1921. Serial No. 451,002. 21 Claims. (Cl. 102—39.)



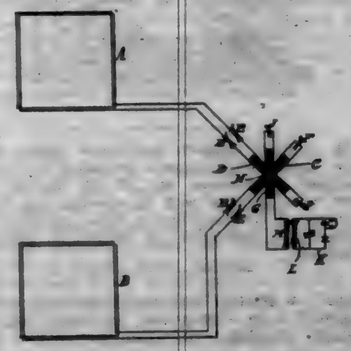
7. In a fuse for ordnance projectiles, a casing chambered to receive and carry a booster charge and means for firing such charge, a tubular connection interposed between the charge and the firing means, an oscillating turret bolt transversely supported in the said tubular connection and arranged to serve as a safety cut-off to interrupt the tubular connection, the turret bolt being supported so as to be movable to a limited extent longitudinally, and a combined expansion and torsion spring acting on the said bolt for holding it in safety position, the bolt having an eccentrically disposed part adapted to be acted upon by centrifugal force when the fuse is in rotation during the flight of the projectile, such centrifugal force tending to move the turret bolt longitudinally in its seat against the action of the said spring, and also tending to cause it to oscillate, also against the action of the said spring, the movements of the turret bolt operating to arm the fuse, putting the firing means into communication with the booster charge.

1,532,856. RADIO SIGNALING SYSTEM. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919, Serial No. 275,552. Renewed Aug. 27, 1924. 36 Claims. (Cl. 250—20.)



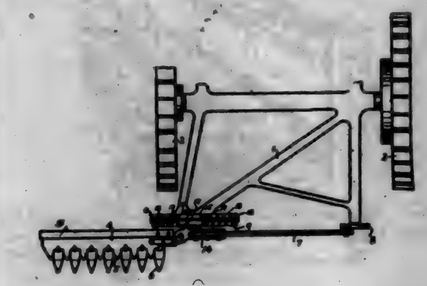
1. In radio reception, the method of minimizing static interference, which consists in simultaneously receiving signal waves and static waves from different directions with respect to the horizontal plane, balancing out the currents due to static waves and retaining the currents due to signal waves.

1,532,857. METHOD AND APPARATUS FOR RADIO-SIGNALING. ROY ALEXANDER WEAGANT, Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America, a Corporation of Delaware. Filed Feb. 7, 1919. Serial No. 275,554. 34 Claims. (Cl. 250—20.)



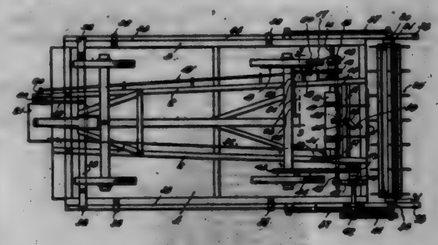
1. The method of minimizing static interference in radio transmission, which consists in receiving signal waves simultaneously and static waves successively in different portions of an antenna system, and utilizing the relative phases between the resulting currents to select the desired current.

1,532,858. MOWING MACHINE. REINHOLD WENDMANN, Houston, Tex. Filed Nov. 9, 1922. Serial No. 599,762. 2 Claims. (Cl. 56—306.)



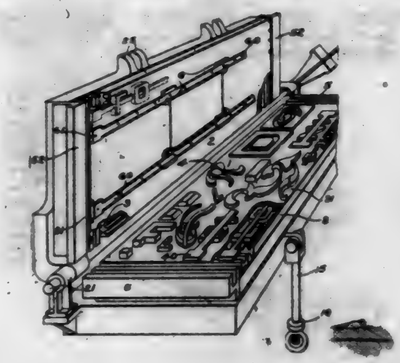
1. In a mowing machine the combination with a cutter bar and pitman, of a cushion member for said cutter bar including a bracket provided with an elongated slot, securing bolts fitted through said slot; the ends of said bracket being upturned, forming bearings, a bearing rod having its ends mounted in said bearings; a slidable bracket having end bearings which work on said rod, and being provided with an oblong slot; spiralled springs interposed between the bearings of the first named bracket, and the corresponding ends of the slidable bracket, and a finger carried by the pitman of said machine and working in the slot of said slidable bracket.

1,532,859. STRAW SPREADER. WILBER F. YATES and OLIVER D. SHIRK, Lewiston, Idaho. Filed Oct. 12, 1922. Serial No. 594,044. 3 Claims. (Cl. 275—5.)



3. A straw spreader comprising a rack having line-guiding means at its rear end, a follower mounted for longitudinal movement along said rack, a drum mounted under the rear end of said rack, driving connections for said drum including a clutch, a pair of lines connected with said follower and extending therefrom around said line guiding means to said drum for drawing said follower rearwardly along the rack, a transverse bar secured to and movable bodily with said lines, a rock shaft mounted under the rear end of the rack on an axis substantially at right angles to the plane in which the lines extend from said line-guiding means to said drum, clutch throw-out connections between said rock shaft and the aforesaid clutch, and a crank arm on said rock shaft disposed in the path of the aforesaid transverse bar to be operated by the latter.

1,532,360. PRINTING DEVICE AND TYPE. JUSTUS C. ZUBLI, Bremerton, Wash. Filed Nov. 26, 1923. Serial No. 676,945. 5 Claims. (Cl. 101—247.)

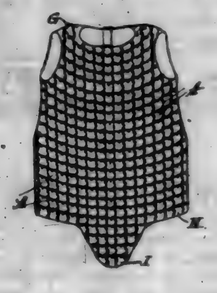


1. A printing device comprising two platens, supporting means permitting approach and separation of said platens, electromagnetic means for holding type against the faces of either of said platens, and type including magnetic material.

1,532,361. PROCESS FOR THE PREPARATION OF ALKYLAMINE SALTS OF THE 4-HYDROXY-3-ACYLAMINO-PHENYLARSONIC ACIDS. JEAN ALTWEGG, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Feb. 29, 1924. Serial No. 696,085. 4 Claims. (Cl. 260—14.)

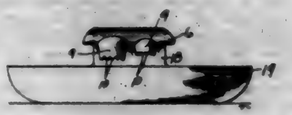
1. A process for the preparation of alkylamine salts of 4-hydroxy-3-acylamino-phenylarsonic acids, consisting in the combination of these acids with alkylamines.

1,532,362. ARMOR COAT. WILLIAM BAILEY, Cleveland, Ohio. Filed May 25, 1921. Serial No. 472,435. 3 Claims. (Cl. 89—36.)



3. In a protective armor, horizontal and vertical rows of metal plates closely grouped together at their edges, the adjacent vertical and horizontal edges of said plates provided with spaced integrally formed projecting eyes, and vertical and horizontal wires arranged at right angles to each other common to and connecting all the eyes, on adjacent edges of said rows of plates.

1,532,363. CIGAR-LIGHT EXTINGUISHER. OTTO A. R. BUMGES, Chicago, Ill. Filed Sept. 14, 1922. Serial No. 588,150. 5 Claims. (Cl. 131—61.)



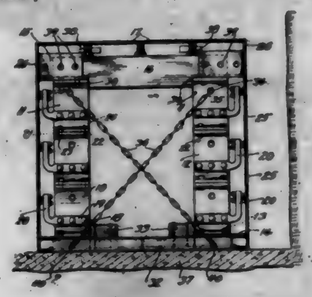
5. A cigar light extinguisher comprising a body having light smothering devices therein having upper and lower openings thereto, means on said lower opening to break up compact ash, and a receptacle positioned below said lower opening to receive ash therefrom.

1,532,364. MANUFACTURE OF CONDENSERS. OSCAR ADOLPHUS BERMAN, Cincinnati, Ohio. Filed Oct. 2, 1922. Serial No. 591,889. 1 Claim. (Cl. 250—41.)



In an electrical condenser an insulating support, a metal disc secured thereto so as to be engaged over its whole area with the support, an insulating disc, a nut fixed in said support, a screw in engagement with said nut, extending through the support, the metal disc and the insulating disc without contacting therewith and having a handle rigidly connected thereto at its upper end, a second metal disc rigidly fastened to said screw adjacent its lower end, a binding post on said support and a spring secured to the binding post and yieldingly pressing against the lower end of the screw acting at the same time as electrical connection and securing the screw against accidental rotation.

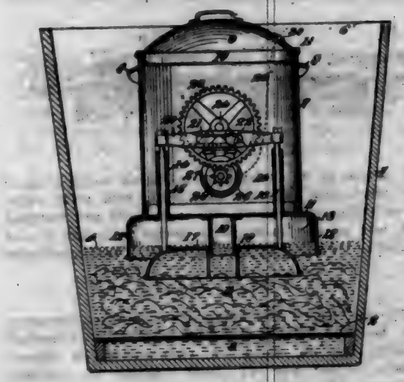
1,532,365. FORM. HARRY E. BILGER, Chicago, Ill. Filed Feb. 9, 1922. Serial No. 535,202. 10 Claims. (Cl. 25—131.5.)



1. In a form, support, and cover plates mounted thereon, each of said supports consisting of a plurality of sections of I-beams, one of the flanges of the I-beams being provided with an opening, and the adjacent flange of the next section being provided with a correspondingly positioned lug adapted to project into said opening.

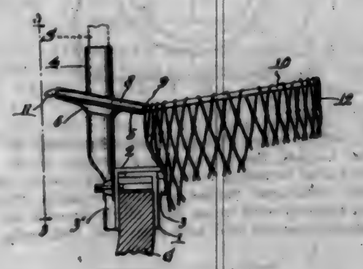
1,532,366. WASHING MACHINE. HOSMER BLUM, San Francisco, Calif. Filed Nov. 21, 1922. Serial No. 602,355. 4 Claims. (Cl. 68—37.)

1. A washing machine including a chambered member having an open bottomed cupped member at its lower end, a second cupped member disposed concentrically within the first cupped member, means extending into the chamber and connected with the second cupped member, an electric motor fixed within the chamber, and



a geared driving connection between the motor and the means extending into the chamber for simultaneously operating said cupped members toward and from each other.

1,532,367. ROWLOCK. WILLIAM H. BOCKMAN, North Webster, Ind. Filed Jan. 23, 1925. Serial No. 4,304. 2 Claims. (Cl. 9—26.)

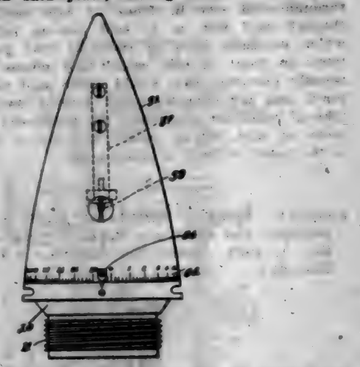


1. In a device of the class described, the combination with opposed clamping plates and a standard extending from one of the plates, of an apertured plate tiltably mounted on and adapted to frictionally engage and grip the standard, an elongated loop extending from and connected to the plate, and a flexible container supported by the loop, said container and loop constituting means for holding the plate in frictional engagement with the standard.

1,532,368. FUSE. FREDERICK W. BOLD, Chelsea, Mass., assignor to Charles H. Pearson, Brookline, Mass. Filed Oct. 31, 1919, Serial No. 334,849. Renewed July 1, 1924. 13 Claims. (Cl. 102—36.)

1. In a time fuse, the combination of a base, a timing train mounted thereon, a firing pin, controlled by said timing train, a safety device operable only by centrifugal force, said device being located in the base and in the path of movement of the firing pin, and a lock for said plate normally in the path of movement of the plate, and movable out of said path by the shock of firing.

3. Safety setting means for time fuses comprising a timing train, a rotatable plate connected therewith, a firing notch in said plate, setting means including a



depending spring completely spanning said notch, and means for operating the spring to rotate the setting plate to vary the setting of the timing train.

1,532,369. FUSE. FREDERICK W. BOLD, Chelsea, Mass., assignor to Charles H. Pearson, Brookline, Mass. Original application filed Oct. 31, 1919, Serial No. 334,849. Divided and this application filed Oct. 26, 1921, Serial No. 510,529. Renewed July 1, 1924. 1 Claim. (Cl. 102—36.)



A starting means for the timing train of a mechanical time fuse comprising, in combination, a radially extending arm fixed to the timing train, a shaft, a sleeve slidable longitudinally of said shaft and normally engaging the end of the radially extending arm, said sleeve movable on said shaft out of engagement with said arm on the shock of firing, and cooperating means on said shaft and said sleeve for locking the sleeve to the shaft on the shock of firing.

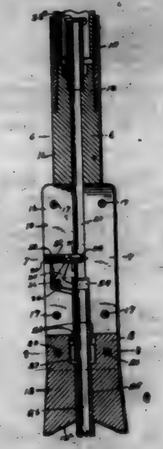
1,532,370. TOWEL CABINET. JOSEPH N. BORROUGHS, Oakland, Calif. Filed Mar. 16, 1922. Serial No. 544,128. 5 Claims. (Cl. 45—32.)



1. In a towel cabinet, a towel casing provided with a slot in its front wall, a towel supply roller mounted

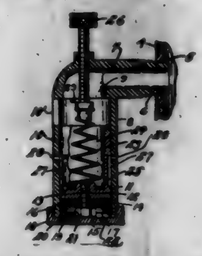
in said casing, a take-up roller mounted in said casing, means for feeding said towel from said supply roller through said slot in front of said casing and back through said slot on to said take-up roller, a shield which normally rests in front of that portion of the towel in front of said casing and means for simultaneously elevating said shield above said portion of the towel and for operating said feeding means and said take-up roller for advancing the towel and winding the same on said take-up roller to bring a clean portion of the towel in front of said casing.

1,532,371. ROTARY DRILLING TOOL. WILLIAM H. BRUNSON and CLARENCE JAMISON, Brea, Calif. Filed Dec. 1, 1923. Serial No. 677,970. 9 Claims. (Cl. 255—61.)



1. In rotary well drilling apparatus, a shoe including coring apparatus, the shoe having a bore for the reception of a core formed by the coring apparatus, and means within the shoe operative upon a predetermined actuation of the shoe for severing a core housed within the shoe and for completely closing the lower end of the bore of the shoe to prevent escape of any portion of the core therefrom.

1,532,372. GAS SAVER. HARVEY A. BUCK, Toledo, Ohio. Filed Sept. 10, 1923. Serial No. 662,015. 7 Claims. (Cl. 251—130.)



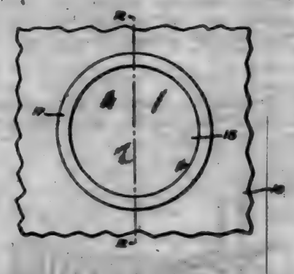
1. A cylindrical housing having an intake port through a side wall thereof, a piston reciprocable in said housing past said port for closing said port, and a spring normally acting on the piston to resist closing of the port by the piston.

1,532,373. TRACK ELEMENT FOR TRAIN-CONTROL SYSTEMS. CHARLES S. BUSHNELL, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Nov. 6, 1922. Serial No. 599,399. 7 Claims. (Cl. 246—63.)



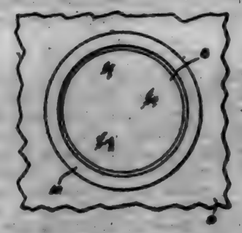
1. A device of the character described comprising, a pair of track rails, ties for supporting said track rails, means extending underneath said track rails and fastened thereto, and an electro-magnetic device including a core of magnetic material supported by said last mentioned means.

1,532,374. WINDOW FRAME. ALPHONSO S. CAMPBELL, West Medford, Mass., assignor to A. S. Campbell Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1920. Serial No. 405,088. 3 Claims. (Cl. 296—145.)



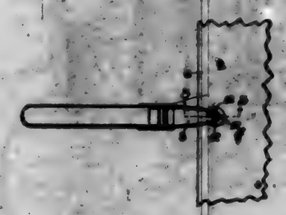
1. A curtain window installation comprising, in combination, a glass, the fabric, and a metallic frame, said metallic frame including a single metallic portion having generally continuous flanges exerting retaining pressure on both faces of said glass, said fabric pressed between said metallic portion and said glass and cushioning said glass.

1,532,375. WINDOW AND WINDOW FRAME. ALPHONSO S. CAMPBELL, West Medford, Mass., assignor to A. S. Campbell Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1920. Serial No. 405,089. 3 Claims. (Cl. 296—145.)



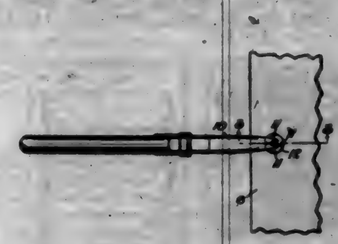
2. A curtain window frame installation comprising, in combination, two frame parts adapted to engage opposite sides of the glass and curtain fabric, one of said frame parts presenting integral, distortable projections passing through openings in the other part, said projections having openings to receive a distorting tool and presenting portions adapted to exert assembling pressure upon the frame incident to their distortion.

1,532,376. APPARATUS FOR LOCATING SECURING PARTS OF SEPARABLE FASTENERS TO CARRYING FABRICS. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 16, 1920. Serial No. 351,761. 5 Claims. (Cl. 223—54.)



5. An appliance for locating relative to one another the stud and socket members of a separable fastener, said appliance providing gripping jaws, one supplied on its gripping face with a socket member locating element and on its outer face with a stud-locating depression.

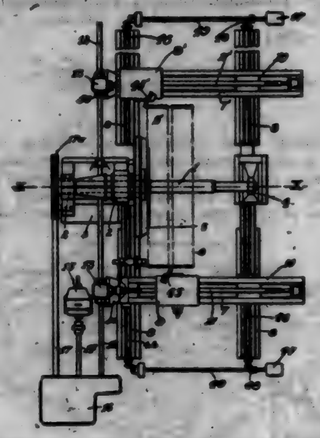
1,532,377. APPARATUS FOR LOCATING SECURING PARTS OF SEPARABLE FASTENERS TO CARRYING FABRICS. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 16, 1920. Serial No. 351,762. 4 Claims. (Cl. 223—54.)



1. An appliance for locating one relative to the other the stud and socket members of a separable fastener, said appliance having two relatively movable jaws at least one of which is sufficiently thin to fit between the stud and socket while the head of the stud is entered in the socket.

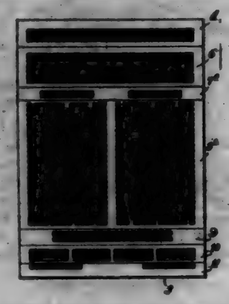
1,532,378. MACHINE FOR PLANING HELICAL GEARS. ELBERT H. CARROLL, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1921. Serial No. 457,398. 10 Claims. (Cl. 90—8.)

1. In a machine of the class described, the combination with a rotary blank carrier, a blank mounted thereon and a reciprocating tool slide, of a tool base carrying a tool for engagement with the blank, the said tool



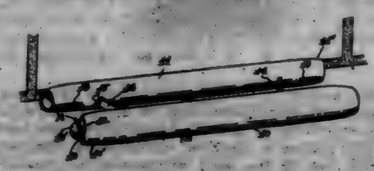
base being turnable bodily about an axis passing through the cutting point of said tool at right angles to the line of movement of the slide.

1,532,379. DUMMY LAY-OUT FOR ADVERTISERS. DOLPH C. CARTER, Cleveland, Ohio. Filed Aug. 14, 1920. Serial No. 403,530. 14 Claims. (Cl. 283—56.)



1. A dummy lay-out set comprising a plurality of sheets provided with blocked-out portions, the portions of different sheets being adapted to represent different type set-ups and said portions from a plurality of sheets being adapted for application to a common support to form a dummy lay-out.

1,532,380. BRICK JOINTER AND RAKER. CHRISTIAN N. CHRISTENSEN, Minneapolis, Minn. Filed June 12, 1923. Serial No. 644,858. 3 Claims. (Cl. 72—138.)



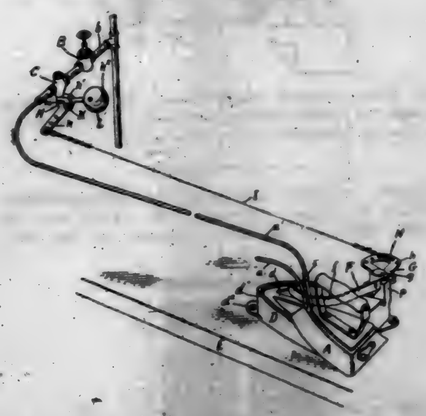
3. In a tool of the class described, a pair of finishing members, arms joining said members in laterally opposed relation, said members serving alternately as handles and jointers, a raker blade and means at one end of one of said members for clamping said blade thereon.

1,532,381. LINGERIE CLASP. EMMA EVANS CLARK, Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1923. Serial No. 642,899. 7 Claims. (Cl. 24—259.)



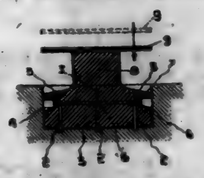
1. A lingerie clasp comprising a U-shaped resilient body and a snap fastener comprising a stud rising from a base, and a socket member having an internal spring, said socket member and base being secured to the inner faces of the limbs adjacent their free edges.

1,532,382. PRESSING APPARATUS. FREDERICK J. CLARK, Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Filed June 24, 1924. Serial No. 722,069. 6 Claims. (Cl. 68—27.)



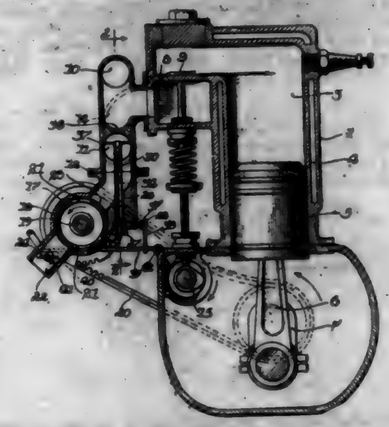
6. A pressing iron stand having an iron supporting part, and a valve controlling arm pivotally secured to said stand and movable to a valve opening position overlying the iron supporting part and to a valve closing position substantially clear of the iron supporting part.

1,532,383. METHOD OF MANUFACTURING GOODS OF INDIA RUBBER AND OTHER PLASTICS. JAMES E. CLELAND, Montreal, Quebec, Canada, assignor of one-half to Harry W. Lucas, Montreal, Canada. Filed Jan. 17, 1923. Serial No. 613,296. 4 Claims. (Cl. 18—59.)



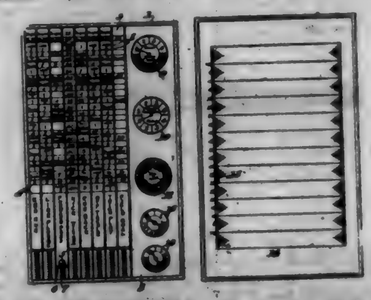
3. The method of manufacturing heels consisting in supporting an attachment ring of annular form upon studs in the mold in position placed above the floor of the mold, placing a block of unvulcanized composition upon the floor of the mold within the ring, the cross section of the block being substantially uniform and less in measurement than the interior of the diameter of the ring and exerting downward pressure upon the top of the block through a plate of greater area than the matrix for the purpose of causing the composition to flow both under and over the ring and completely fill the mold without disturbing the position of the plate, and finally vulcanizing the heel thus molded.

1,532,384. INTERNAL-COMBUSTION ENGINE. DON COLE, Chicago, Ill., assignor of one-half to John A. Dienner, Chicago, Ill. Filed May 15, 1919. Serial No. 297,185. 14 Claims. (Cl. 123—122.)



1. The method of feeding an internal combustion engine having a piston, cylinder, valves for exhaust and intake, intake pipe and a suction controlled fuel feeding and atomizing device opening into the intake pipe, which consists in subjecting the atomizing device to high suction to cause fluid fuel to be injected into contact with a heated area in the intake pipe, admitting sufficient air for combustion into said intake pipe and insulating by deflection the air thus admitted from said heated area.

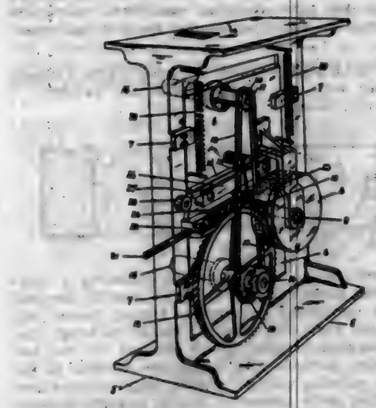
1,532,385. GAME APPARATUS FOR PLAYING INDOOR FOOTBALL. WALTER M. COX, Jersey City, N. J. Filed Oct. 15, 1924. Serial No. 743,711. 7 Claims. (Cl. 273—94.)



1. A game apparatus for playing indoor football, consisting of a number of alleys representing certain fundamental football plays, and transverse ridges dividing the alleys into spaces representing the results of particular plays.
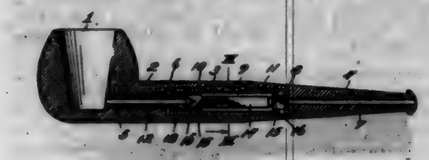
1,532,386. CINEMATOGRAPH MACHINE. JAMES CUMMINGS and HAROLD ANDREW MCGREGOR WILSON, Sydney, New South Wales, Australia. Filed July 27, 1923. Serial No. 654,133. 3 Claims. (Cl. 88—17.)

1. A cinematograph operating mechanism in which the fan shaft is mounted in bearings adapted to be displaced horizontally on a vertical plate by the relative movement between said vertical plate and a frame, and



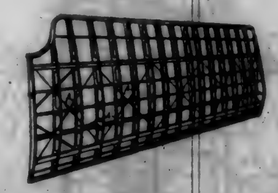
means for effecting the horizontal displacement of said bearings and shaft.

1,532,387. SMOKING PIPE. OSCAR H. DAVIS, Kansas City, Mo. Filed Mar. 10, 1924. Serial No. 698,044. 4 Claims. (Cl. 131—12.)



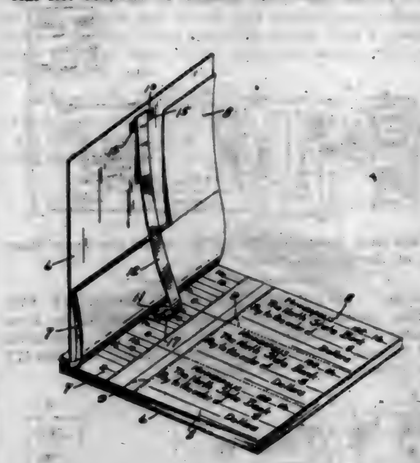
2. In a smoking pipe, a stem having its bore of enlarged diameter between its points of communication with the bowl and the mouthpiece, and a smoke stream expander fitting within the said enlargement and at its ends over the constricted portions of the bore of the stem; the ends of the expander having notches to permit smoke and juices to pass from the bowl into the said enlargement and from the latter into the bore of the mouthpiece.

1,532,388. WIRELESS-TELEGRAPH APPARATUS FOR AEROPLANES. HARRY MELVILLE DOWSETT, London, England, assignor to Radio Corporation of America, a Corporation of Delaware. Filed Aug. 16, 1921. Serial No. 492,813. 2 Claims. (Cl. 250—1.)



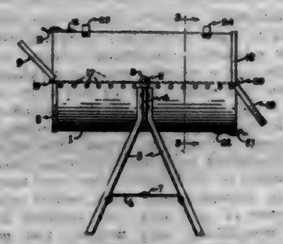
1. In radio signalling apparatus for aeroplanes having bracing wires located within the aeroplane wings, the combination with such wires of additional wires disposed within said wings, all of said wires being connected together and to the signaling apparatus.

1,532,389. CHECK STUB HOLDER. MARTINIUS DYSTHE, Minneapolis, Minn. Filed Jan. 18, 1924. Serial No. 686,099. 6 Claims. (Cl. 281—40.)



6. The structure defined in claim 1, in which the permanent anchor may be detachably secured to the cover of a check book.

1,532,390. ASH SIFTER. HORATIO S. EARLE, Detroit, Mich. Filed Oct. 6, 1921. Serial No. 505,761. 2 Claims. (Cl. 83—60.)

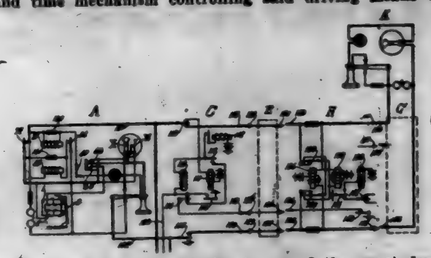


1. An ash sifter consisting of a framework including two spaced standards, a bearing at the upper end of each standard, a cylindrical body member positioned between the said standards, studs positioned centrally on opposite sides of the cylindrical member and engaging the bearings, a screen extending longitudinally of the cylindrical member separating the same into two compartments, a closure member for each end of the cylindrical body member consisting of a fixed and a hinged part, the fixed part of one closure member being above the screen at one end and below the screen at the opposite end, the said cover members having hinged portions likewise respectively disposed.

1,532,391. MEASURED-SERVICE TELEPHONE SYSTEM. JOHN ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 16, 1921. Serial No. 461,760. 19 Claims. (Cl. 179—7.)

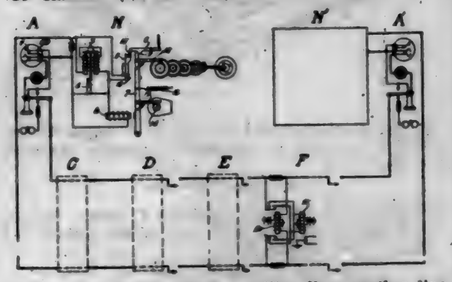
1. In a measured service telephone system, means for connecting a calling and a called line, a cumulative time indicating device, driving means for operating said device to assess an invariable and fixed line charge against the

calling subscriber when the called subscriber answers, and time mechanism controlling said driving means to



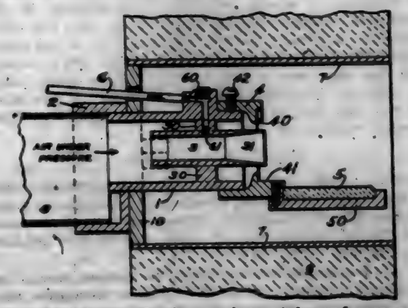
operate said indicating device to record the exact duration of the conversation.

1,532,392. MEASURED-SERVICE TELEPHONE SYSTEM. JOHN ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1922. Serial No. 563,477. 10 Claims. (Cl. 179—11.)



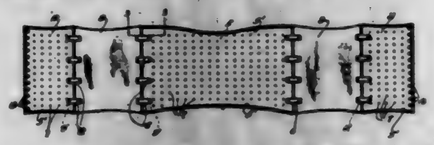
1. In a telephone system, a calling line, another line, a substation on said calling line, a charge assessing device at said substation comprising a relay, a magnet, a timing device, and a register, means for extending a connection from said calling line to said other line, means responsive to the answering of the subscriber on said other line for operating said relay by causing a current change in said calling line, means controlled by said relay for energizing said magnet, means responsive to the energization of said magnet for operating said register and for restoring said relay, means controlled by the restoration of said relay for starting said timing device by deenergizing said magnet, and means controlled by said timing device for again repeating the initial operation of said relay.

1,532,393. OIL BURNER. IRVING J. FOLTZ, deceased, late of Seattle, Wash., by FLORENCE O. FOLTZ, executrix, Seattle, Wash. Filed Dec. 18, 1923. Serial No. 680,316. 2 Claims. (Cl. 158—78.)



1. An oil burner having an inner tube and means for discharging oil thereinto from one side, a concentric surrounding tube spaced therefrom to form an annular passage, the outer wall of said annular passage being at its outer end reduced in diameter and terminating just back of the outer discharge end of the inner tube, and a common air supply connection for both said tubes.

1,532,394. GARMENT. EMIL F. LEWIS FRITZ, Chicago, Ill. Filed Sept. 20, 1922. Serial No. 591,627. 1 Claim. (Cl. 2—48.)



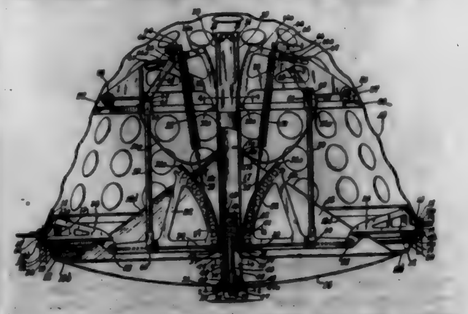
A garment of the class described including a front body covering portion formed of pliable metallic material and having ventilating perforations formed therein side body covering portions formed of elastic material, connections comprising tapes fixedly secured to the side body covering portions and detachably secured to the front body covering portion, a back body covering portion including parts formed of pliable metallic material having ventilating perforations formed therein and having grommets formed therein affording means of lacing the parts together, and connections comprising tapes fixedly secured to the side body covering portions and detachably secured to the back body covering portions.

1,532,395. SWIVEL COUPLING. WILLIAM H. FULTON, Irvington, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co., a Corporation of New Jersey. Filed Apr. 13, 1921. Serial No. 461,059. 4 Claims. (Cl. 285—9.)



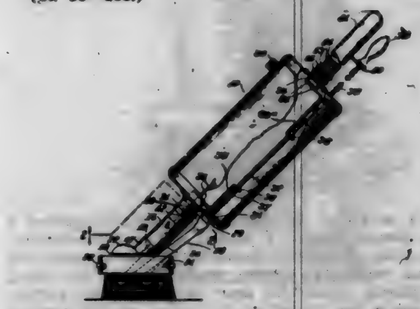
2. In a swivel coupling, the combination of two tubular members, one of said members journaled in the other, an abutment on one of said members adapted to bear against the end of the other member, a second abutment on one of said members adapted to bear against the interior of the other member, a petticoat secured to one of said members, and a packing in said petticoat surrounding said journal.

1,532,396. VALVE MECHANISM. JOHN R. GAMMETER and WALDEMAR D. KMENTT, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 19, 1923. Serial No. 668,602. 36 Claims. (Cl. 244—31.)



1. A valve mechanism comprising a valve seating member, a valve adapted to seat thereon, a valve impelling lever operatively connecting the two, a spring having connection to said lever for impelling the valve toward its seat, and means on said lever for anchoring the spring at different points thereon such as to vary the spring's moment arm on said lever so as to compensate adjustments of spring tension as to their effect upon the relation between the valve's resistance at closed and open position.

1,532,397. BRUSH. JAMES D. GARVEY, Chicago, Ill. Filed Jan. 15, 1921. Serial No. 437,523. 3 Claims. (Cl. 15—131.)

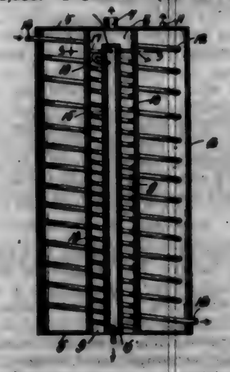


1. In a device of the character described, a fluid container, a brush having a wood back provided with an opening therethrough, an angle member secured to the brush-back so as to provide an upwardly inclining projection, a reenforcing member secured to the brush and across said angle member, a supporting stem or rod intermediate of the lower end of the container and the brush-back, the end of said supporting stem or rod being slotted to receive the upwardly extended projection of said angle member, and pins disposed transversely through the supporting stem or rod and the upwardly extended projection whereby the brush is secured to said supporting stem or rod.

1,532,398. RUBBER COMPOSITION AND METHOD OF PRESERVING RUBBER. WILLIAM C. GEER and WEBSTER N. JONES, Akron, Ohio, assignors to B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1922. Serial No. 594,171. 7 Claims. (Cl. 18—50.)

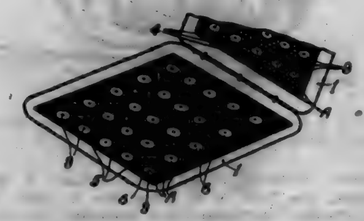
1. The method of preserving rubber which comprises treating the rubber with 1,8-naphthylene diamine.

1,532,399. REFRIGERATING APPARATUS. ALONZO L. GIBBS, New York, N. Y. Filed Apr. 19, 1923. Serial No. 633,235. 3 Claims. (Cl. 62—119.)



1. A refrigerating apparatus comprising a generator tank, a heating chamber arranged therein, a heating coil within the heating chamber, one end of said heating coil communicating with the generator tank, a weak liquor receiving means situated within the heating chamber, the opposite end of the said heating coil communicating with the liquor receiving means, and a conduit connecting the said liquor receiving means with the said generator tank.

1,532,400. VENTILATED SEAT PAD. LOUIS M. GRAPE, St. Louis, Mo. Filed Feb. 11, 1924. Serial No. 691,882. 5 Claims. (Cl. 155—182.)



1. A seat pad comprising a mesh work member and a multiplicity of spacers secured to the meshwork body thereof, whereby said pad is spaced away from the seat on which it is placed.

1,532,401. GELATINIZING MACHINE FOR BATTERY ELECTROLYTES. JOHN GRAVES, WILLIAM BALDERSTON, and EDGAR J. MCEACHRON, Madison, Wis., assignors to French Battery & Carbon Company, Madison, Wis., a Corporation of Wisconsin. Filed Oct. 10, 1921. Serial No. 506,913. 1 Claim. (Cl. 198—19.)

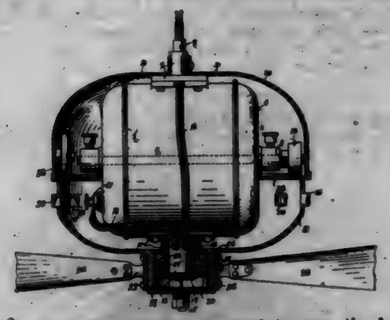


A machine for facilitating the assembly of electric cells having a gelatinous electrolyte, comprising a pair of superimposed conveyor belts, means for driving said belts in opposite directions, a heating medium through which the upper reach of the lower belt is arranged to travel, a group of operator stations near one end of the machine where the cells are partially assembled and placed on the lower reach of the upper belt to be conveyed to the other end of the machine, said operator stations including tables disposed substantially at the level of the lower reach of the upper belt to facilitate transfer of the partially assembled cells to said lower reach, and another group of operator stations near the opposite end of the machine where the partially assembled cells are removed from the lower reach of the upper belt, completely assembled and placed on the upper reach of the lower belt to be conveyed through said heating medium, said last mentioned operator stations including tables disposed substantially at the level of the upper reach of the lower belt.

1,532,402. ELECTRIC FAN. CHARLES O. HALL, East Orange, N. J. Filed Jan. 15, 1924. Serial No. 686,278. 12 Claims. (Cl. 230—1.)

1. An electric fan construction comprising in combination, a motor, a drive member attached thereto, a hous-

ing arranged around the motor engaging the driving member and rotated thereby, a fan carried by the housing, and a cushion member arranged to urge the housing and drive member together.

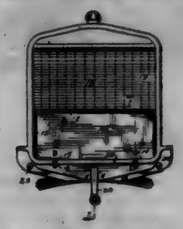


1,532,403. CIGARETTE HOLDER. HARRY H. HARNBROOM, New York, N. Y. Filed Dec. 2, 1922. Serial No. 604,526. 3 Claims. (Cl. 131—10.)



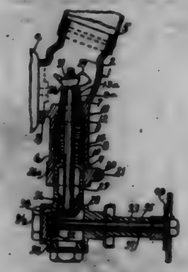
1. In a cigarette holder, in combination, a mouth piece having a reduced extension, a separable holder carried by the reduced extension, a longitudinal passage through the mouth piece and opening into the holder chamber, and outwardly opening longitudinal recess within the mouth piece exterior of the passage and opening into the holder chamber, an ejector movable within the recess and the holder chamber and means exterior of the mouth piece for moving the ejector.

1,532,404. RADIATOR PROTECTOR. THOMAS P. HARRIS, Clarinda, Iowa. Filed Jan. 5, 1924. Serial No. 684,594. 2 Claims. (Cl. 257—132.)



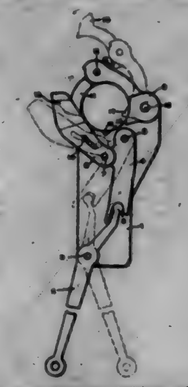
2. A radiator protector comprising a body portion made of resilient yielding material such as fiber board shaped to rest against the front of the lower portion of the radiator and between the sides of the radiator frame and to extend downwardly between the lower member of the radiator frame and the front of the radiator to a point spaced a material distance below the lower member of the radiator frame and to engage and rest upon portions of the automobile frame below the radiator and slightly in front of a vertical line at the front of the radiator, spring clip devices attached to the body portion and designed to engage the lower member of the radiator frame, whereby the radiator protector may be attached to a radiator by placing it against the front of the radiator and moving it downwardly until the clips engage the said cross member of the radiator frame, and during such downward movement the lower edge portion of the protector will be sprung forwardly to engage the portions of the automobile frame that are in front of the radiator to thereby cause the lower radiator frame member to serve as a fulcrum to hold the upper end of the protector against the radiator, and reinforcing metal binders applied to the side edges of the protector and extending from a point above the lower cross member of the radiator frame to a point adjacent to the top edge thereof.

1,532,405. WATER CIRCULATOR. CHARLES C. HERBERT, San Jose, Calif. Filed Feb. 10, 1923. Serial No. 618,343. 4 Claims. (Cl. 103—89.)



1. A device of the character indicated comprising a body portion having a conduit passing therethrough, a propeller operatively mounted in said conduit, and driving connections thereto, resilient means for urging said driving connections apart from said body portion, and means for controlling the action of said resilient means.

1,532,406. WRENCH FOR PIPE OR TUBING. RICHARD DENNIS HILL, Wichita Falls, Tex., assignor to E. B. Zittel, Burkburnett, Tex. Filed Dec. 16, 1922. Serial No. 607,236. 2 Claims. (Cl. 81—66.)

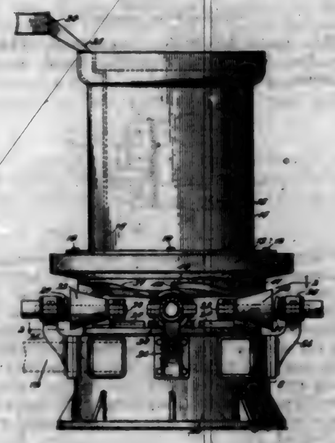


1. A wrench for pipe or tubing of the character described comprising a support; a fork shaped cam lever pivoted thereto, a hand lever pivoted to said support in association with said fork shaped cam lever, a clamping member pivoted to said fork shaped cam lever and means for providing pivotal and slidable motion thereof on said support, a clamping member pivoted to said support, a clamping member pivoted to said last mentioned clamping member and means thereon to engage the free end of said first mentioned clamping member.

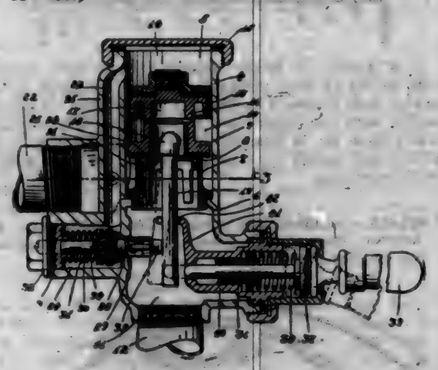
1,532,407. CONCRETE-MOLDING APPARATUS. JOHN S. HOBSON, Chicago, Ill., assignor to Massey Concrete Products Corporation, Chicago, Ill., a Corporation of Virginia. Filed Jan. 4, 1924. Serial No. 684,826. 21 Claims. (Cl. 25—30.)

1. A concrete molding apparatus comprising a vertically mounted centrifugal mold, vertical jolting mechanism therefor, and means for adjusting the degree of jolting movement secured by said mechanism.

2. A concrete molding apparatus comprising a vertically mounted centrifugal mold, a jolting mechanism therefor, and means for bringing said mechanism into and out of function with said mold to permit rotation of said mold with or without jolting.



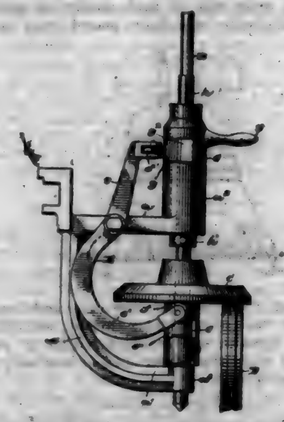
1,532,408. FLUSH VALVE. ARTHUR E. HOMMEISTER, Cincinnati, Ohio, assignor to The John Douglas Company, Carthage, Ohio, a Corporation of Ohio. Filed June 28, 1922. Serial No. 570,344. 2 Claims. (Cl. 137—93.)



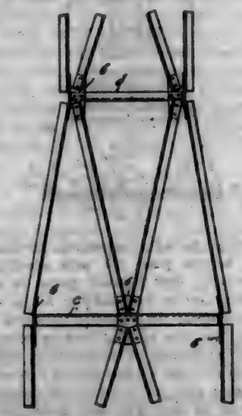
2. A valve device comprising two valves and having a single by-pass therein, one the main valve which controls a flow of water, the other an auxiliary valve mounted in the by-pass for controlling the main valve, means carried by the main valve adapted to actuate the auxiliary valve and to be rendered inoperative upon said auxiliary valve by the action of the main valve, a fixed guide for the first mentioned means, and means for rendering said first mentioned means operative upon the auxiliary valve.

1,532,409. BOBBIN-WINDING MACHINE. JAMES DANIEL JOYCE, Philadelphia, Pa. Filed Oct. 30, 1922. Serial No. 596,008. 4 Claims. (Cl. 242—27.)

1. In a winding machine, a non-lifting winding spindle, spindle driving means embodying two contacting friction members in driving connection with the spindle, and means for lifting the driven friction member out of contact embodying a lifting member, and a bell crank lever carried on the spindle and revoluble about the axis of the spindle.



1,532,410. STRUCTURAL TOWER. RYOHEI KAGIWADA, Washington, D. C. Filed Apr. 25, 1923. Serial No. 634,449. 2 Claims. (Cl. 189—12.)



1. In a structural tower, the construction unit, consisting of a polygon composed of a set of horizontal members, a second polygon composed of a second set of horizontal members, the said pair of polygons being parallel to each other, and having a common axis, around which one of the polygons is disposed in respect to the other with a lead equivalent to one-half the angle subtended by the apex of said polygons, in combination with a plurality of diagonal members joining the said pair of polygons at their respective apexes and forming a plurality of triangles with the horizontal members of the polygons, substantially as and for the purpose described.

1,532,411. COIN SAVINGS BANK. JAMES A. KIDWELL, Lakewood, Ohio; Anna D. Kidwell, administratrix of said James A. Kidwell, deceased, assignor to The Bankers Savings and Credit System Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 2, 1921. Serial No. 466,869. 3 Claims. (Cl. 232—4.)

1. A savings bank comprising, a coin container having an opening in its base, a detachable closure for said

opening, locking means for said closure, said closure provided with a coin admission slot, a metal block secured upon the inner side of said closure on each side of said slot, duplicate oppositely placed runs in said



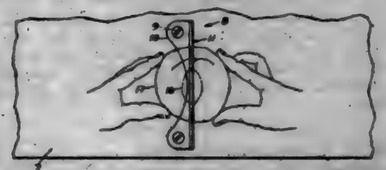
blocks, said ball runs inclined upwardy and laterally away from said slot on both sides thereof, and balls in said ball runs, opposite balls being actuated by gravity to make contact with each other and to normally close said coin admission slot.

1,532,412. COIN SAVINGS BANK. JAMES A. KIDWELL, Lakewood, Ohio; Anna D. Kidwell, administratrix of said James A. Kidwell, deceased, assignor to The Bankers Savings and Credit System Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 2, 1921. Serial No. 466,370. 8 Claims. (Cl. 232—4.)



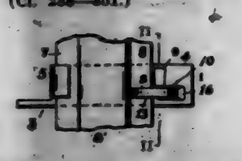
1. In a savings bank, a container, having an opening in its base, a bottom plate for said opening, means for detachably securing said bottom plate in said opening, a coin admission slot in said bottom plate, spring fingers alternately secured to the opposite margins of said coin admission slot, the tips of said fingers curved upwardly, and the tips of the fingers extending from one side of said slot overlapping the tips of the fingers extending from the other side of said slot, to prevent the coins in the bank from passing out of said slot, and guard means for said fingers, said guard means having coin deflecting surfaces.

1,532,413. STATIONARY KNIFE. OTONOSUKE KITA, Irvington, Calif. Filed Sept. 22, 1924. Serial No. 739,030. 1 Claim. (Cl. 146—30.)



A fruit knife of the character described, consisting of a single piece of sheet metal having a supporting base at its lower portion and a ring-like knife at its upper portion, the uppermost portion of the ring being slotted forming thereby a narrow entrance to the opening in the ring and a pair of vertically-positioned converging blades, the tips of said converging blades adapted for momentarily resting and centering the fruit thereon, and said converging blades further adapted to present a minimum cutting edge exposed to the fingers.

1,532,414. RAIL ANCHOR. CHARLES H. KNELL, Oakmont, Pa. Filed Nov. 16, 1923. Serial No. 675,081. 2 Claims. (Cl. 238—351.)



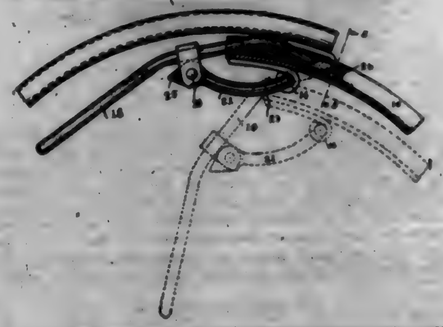
1. In a rail-anchor, a member having a vertical flange for engagement with the side of a rail tie and lying beneath the rail and having at one end means engaging one flange of a rail and at the other end a slot adjacent to the edge of the other flange of the rail, in combination with a key having a member projecting down through the said slot and locking the key to the said member when the key is rotated, and also having an upwardly extending resilient hook engageable at its end only with the upper surface of the adjacent rail-flange when the key is rotated.

1,532,415. PICKER AIR INTAKE. HARRY W. KNOWLTON, Lowell, Mass., assignor to Knowlton & Newton Co., Inc., Lowell, Mass., a Corporation of Massachusetts. Filed June 23, 1924. Serial No. 721,640. 12 Claims. (Cl. 19—80.)



2. A picker air intake consisting of a main supply pipe having an inlet through which air is adapted to be drawn from outside a building; a mouth piece communicating with the inner end of said pipe and through which said air is adapted to be discharged into said picker; and means for closing said pipe when the picker is not operating.

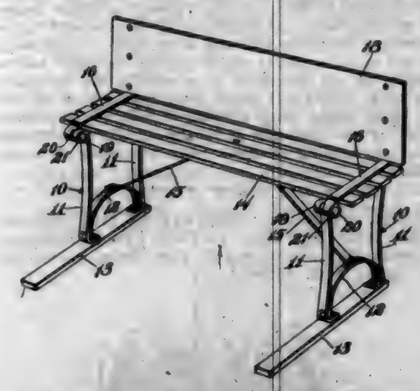
1,532,416. RIM-OPERATING TOOL. JOSEPH P. KUTINA, Cicero, Ill. Filed Apr. 12, 1923. Serial No. 631,547. 1 Claim. (Cl. 157—1.)



In a tool for opening and closing transversely split tire rims, the combination of a lever having an arm projecting laterally therefrom at one end thereof, said lever being adapted to be positioned between the overlapped ends of the rim when the latter is open and to

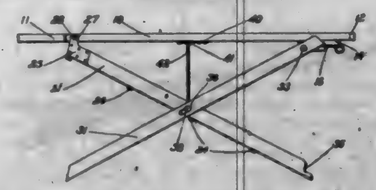
serve as a pry to force the inner of said overlapped ends radially inward in returning said inner end to its normal position in alignment with the other end, a link having an arm arranged parallel with the said laterally projecting arm of said lever and another part that is pivotally connected with said lever, the distance between said pivotal connection and said laterally projecting arm being greater than that between said connection and the arm of said link whereby said tool is adapted to lock said rim ends in their overlapped and open position.

1,532,417. CONVERTIBLE TABLE SETTEE. WILLIAM T. LETTS, St. Joseph, Mo. Filed Sept 13, 1924. Serial No. 737,547. 3 Claims. (Cl. 155—41.)



1. A table settee of the character described comprising a seat having supporting means, a section constituting either a back or a table, irons pivotally connected to the supporting means for the seat on one side thereof and adjacent the ends and adapted in one position to rest upon the seat and in the other position to extend vertically upward from the seat, the irons being angularly bent at their free ends, the section being attached to the inner faces of said angularly bent portions and the angularly bent portions extending across the section, the section being thus disposable either in a vertical plane on one edge of the seat to thereby constitute a back or in a horizontal plane adjacent to but in a plane above the opposite edge of the seat and the hinges being formed to support the irons in a vertical position but permit them to be turned downward into a position across the face of the seat.

1,532,418. COMBINED IRONING BOARD AND LADDER. HENRY C. LEWIS, Ontario, Wis., assignor of one-half to John Gibson, Ontario, Wis. Filed Apr. 14, 1922, Serial No. 552,539. Renewed Feb. 27, 1925. 1 Claim. (Cl. 228—4.)



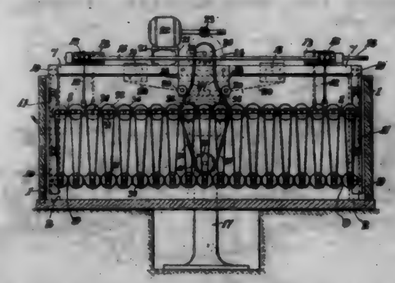
In a device of the class described, a board, a cleat having an opening therein mounted on the lower side of the board, a hook shaped fastening device passing through said opening and having resilient diverging legs engaging the edges of the opening, a pair of spaced leg members, and a transverse element connecting said members, the transverse element being adapted for engagement by the hook, a ladder mounted between the spaced legs and having one end pivotally connected near that end of the board opposite to that on which the cleat is mounted, and means for connecting said ladder near the central portion thereof, with the lower side of the board near the central portion thereof, said means comprising a resilient element secured to the board, a bail-shaped member having an upper straight portion for engaging the resilient element and the surface of the board and having its lower ends swingingly connected with the leg members and the ladder.

1,532,419. PROCESS FOR THE MANUFACTURE OF WHITE LEAD. GEORGE FREEMAN LLOYD, Brighton, and FRANK BOARDMAN CLAPP and FREDERICK HARPER CAMPBELL, Melbourne, Victoria, Australia, assignors to Commonwealth White Lead and Paints Proprietary Limited, Brighton, Victoria, Australia. Filed June 15, 1923. Serial No. 645,701. 10 Claims. (Cl. 23—71.)

1. In the manufacture of white lead, a process for the preparation of a basic acetate of lead mixture characterized by the treatment of litharge with an aqueous solution containing not less than 4½ nor more than 60 per cent of absolute acetic acid, in such proportion that there is present not less than 16 per cent nor more than 22 per cent of absolute acetic acid calculated on the weight of litharge originally present and that the finished mixture contains not less than 10 nor more than 78 parts per cent of water, at a temperature not exceeding 60° C.

8. Process of making white lead, which comprises precipitating the same from an aqueous solution of a lead salt by a mixture of a carbonate and a bicarbonate of an alkali metal in the ratio of not less than 2 to 3 and not greater than 1 to 3 while maintaining the solution concentration, and treating the resulting product with a dilute aqueous solution of a lead acetate in quantity slightly in excess of the equivalent quantity of alkali metal salt adsorbed in the precipitate, and finally washing with water.

1,532,420. MACHINE FOR TREATING HANKS OF YARN. SAM SPENCER LORD, Whitefield, England. Filed May 19, 1924. Serial No. 714,485. 5 Claims. (Cl. 8—19.)



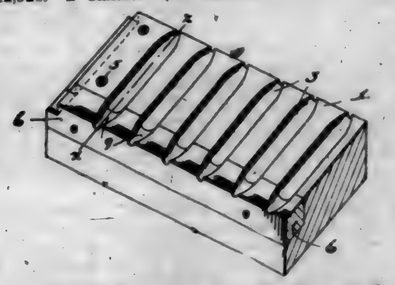
5. A machine for treating hanks with liquid, comprising vat means for the liquid, raisable and lowerable cage means; supporting rods fixed to the cage means; an adjustable member mounted on the cage means below the said rods; other supporting rods fixed to the adjustable member in vertical register with the first named rods; flat carrying members rotatably mounted on the said rods to receive the hanks; inter-meshing gear wheels provided on the upper carrying members; inter-meshing gear wheels provided on the lower carrying members; and a chain drive to drive one of the upper carrying members and one of the lower carrying members simultaneously.

1,532,421. SHINGLE FASTENER. HUGH MACINNES, Jersey City, N. J., and WILLIAM J. RILEY, Boston, Mass. Filed Feb. 28, 1923. Serial No. 621,718. 2 Claims. (Cl. 108—33.)



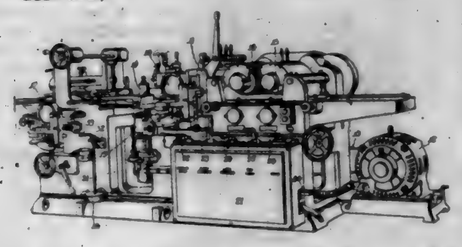
1. A shingle fastener embodying a body member provided with a plurality of converging shoulders in offstanding relation to the plane of said body member, and a plurality of locking members extending from the body member in opposite directions to one another.

1,532,422. CIGAR-HEAD-FORMING PLATE. JOHN D. MADLEM, Lititz, Pa. Filed May 13, 1924. Serial No. 712,921. 2 Claims. (Cl. 131—9.)



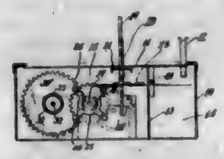
1. A head-forming plate for cigar molds, consisting of a rectangular strip of metal formed with a series of equidistant head-forming depressions in one face thereof and means for securing it in a recess cut in the face of a mold, whereby an old mold is reconditioned.

1,532,423. ELECTRIC-MOTOR CONTROLLER FOR WOODWORKING MACHINES. CHARLES J. MARSHALL, Beloit, Wis., assignor to P. B. Yates Machine Company, Beloit, Wis., a Corporation of Wisconsin. Filed Sept. 8, 1924. Serial No. 736,432. 4 Claims. (Cl. 144—114.)



1. In a planing-machine having an electric-drive motor for each of four rotary planing elements and an electric-drive motor for the feed-mechanism of the planing-machine, the combination of a housing for five electric circuit controllers, each having a shaft, one controller being provided for each of the specified motors, a handle for each controller shaft, two of such handles being at one level, two others at another, and the feed-motor controller-handle at an intermediate level, a sixth handle near the delivery end of the planing-machine and at substantially the same level as said feed-motor controller-handle, and a mechanical connection between said sixth handle and the feed-motor controller-shaft, whereby the latter may be operated by either of two handles.

1,532,424. TOY SAVINGS BANK. LOUIS MARX, New York, N. Y. Filed Oct. 19, 1922. Serial No. 595,552. 4 Claims. (Cl. 46—36.)



1. A toy savings bank comprising a savings receptacle, an amusement device carried thereby, a motor housed by the receptacle and connected to operate said device, mechanism for energizing said motor and a brake means for the motor normally set in braking condition and releasable by the depositing of a coin in the receptacle, said brake means and motor being inter-related so that the brake means when released is held out of braking action by the operation of the motor, and is self-resettable into braking condition when the motor is deenergized.

1,532,425. TIRE AND COMBINATION TIRE PROTECTOR AND ANTISKID DEVICE. FRED MARKWICK, Detroit, Mich. Filed May 17, 1923. Serial No. 639,590. 6 Claims. (Cl. 152—2.)



3. The combination with a tire having its tread portion provided with a seat extending circumferentially of the tire and of less width than the tread, the side portions of the tire being provided with channels extending radially and communicating with the said seat, of an anti-skid device positioned in said seat and extending about the tire, and anchoring means for said anti-skid device including yokes for extending transversely across a tire carrying rim, and means for extending through said channels and connecting the end portions of said yokes with opposite side portions of said anti-skid device.

1,532,426. FORD MOTOR ATTACHMENT. CHARLES W. METZ, Sidney, Nebr. Filed Sept. 7, 1922. Serial No. 586,636. 4 Claims. (Cl. 184—13.)



1. A crank case for motors of the type having a tubular oil line for conveying lubricant to the front end thereof, said crank case having a valve controlled guide opening in substantial alignment with the oil line for the reception of a cleansing and obstruction-removing element for insertion into the oil line.

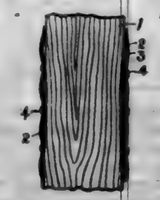
1,532,427. TREATMENT OF CELLULOSE ESTERS FOR DYEING. RICHARD MEYZGER, Heidelberg, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Oct. 18, 1924. Serial No. 744,494. 4 Claims. (Cl. 8—5.)

4. The process of treating cellulose acetate fibre for dyeing which consists in treating the fibre in a bath containing a salt of an acid ester of phosphoric acid and subsequently dyeing the fibre so treated in a dyestuff solution.

1,532,428. PROCESS OF PRODUCING FORMIC-ACID DERIVATIVES. KURT METER, Mannheim, and LUDWIG ORTHNER, Freiburg-Breisgau, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of Germany. Filed July 3, 1922. Serial No. 572,721. 3 Claims. (Cl. 260—124.)

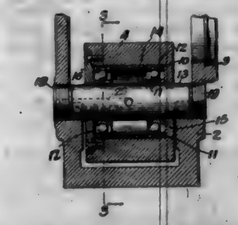
1. The process of producing formic acid derivatives which consists in causing carbon monoxid and ammonia to react under a pressure of at least 20 atmospheres and at a temperature surpassing 100 degrees centigrade.

1,532,429. FIXTURE FOR POULTRY HOUSES AND COOPS. ROBERT L. MILLER, Dallas, Tex. Filed May 3, 1923, Serial No. 636,417. Renewed Feb. 12, 1925. 2 Claims. (Cl. 119—25.)



1. In a fixture for poultry houses and coops, a support, and a chemical-receiving container having a bottom disposed below the support, ends, and vertically corrugated sides having convex parts arranged in juxtaposition to opposite sides of the support and concave parts spaced from the said opposite sides of the support to afford passages for the fumes of the chemical.

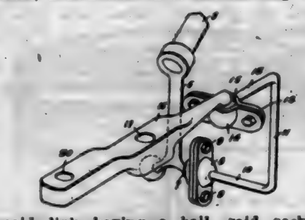
1,532,430. ANTIFRICTION JOURNAL BEARING. WILLIAM H. MILLSPAUGH, Sandusky, Ohio. Filed Nov. 1, 1922. Serial No. 598,341. 10 Claims. (Cl. 64—38.)



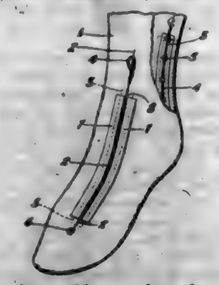
6. A structure of the class described comprising, in combination, a pair of rollers of large diameter affording a supporting bearing for a large cylinder journal; shafts for said rollers; anti-friction bearings interposed between said shafts and rollers; a centrally-swiveled rocking support having side walls enclosing said rollers and carrying said shafts; and means associated with said support providing a housing for the journal and journal bearings.

1,532,431. HEADLIGHT. ALEXANDER F. MITCHELL, Frost, Tex. Filed Sept. 16, 1924. Serial No. 738,050. 2 Claims. (Cl. 240—62.)

1. In a dirigible headlight, a lamp supporting arm pivotally supported intermediate its ends, said lamp supporting arm having a ball formed at one end thereof, an arm having an upwardly and inwardly extended portion, said last mentioned arm carrying socket members at its ends, a link secured to the steering rod of a vehicle, said link having a ball, said socket members adapted to accommodate the ball of the link and arm, and said lamp supporting arm adapted to move in a horizontal plane when the link is moved upwardly.

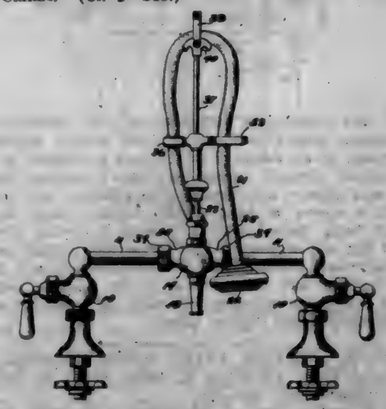


1,532,432. METHOD AND APPARATUS FOR FITTING SHOES. RAYMOND P. MORSE, Scarsdale, N. Y., assignor to Morse & Burt Co., Inc., Brooklyn, N. Y., a Corporation of New Jersey. Filed Mar. 15, 1921. Serial No. 452,518. 5 Claims. (Cl. 223—18.)



1. A device for making a foot form comprising a stiffened stocking slit along a line to permit removal, said slit being closed by a slittable paper strip carrying a cord for slitting said strip to permit removal from the foot without permanent deformation of the stiffened form.

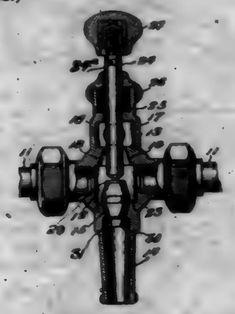
1,532,433. WATER-SUPPLY FIXTURE. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 12, 1919. Serial No. 337,482. 8 Claims. (Cl. 4—148.)



1. A fixture of the class described comprising a hot water cock, a cold water cock, a mixing cock to which the aforementioned cocks deliver, a spout leading from

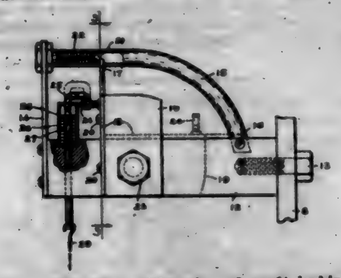
said mixing cock, a spray tube nipple leading from said mixing cock, a valve in said mixing cock, a reciprocable plunger-type handle for said valve, and means for supporting the tube adjacent the mixing cock whereby the hand holding the tube may operate said valve without laterally directing the spray.

1,532,434. DOUBLE COCK. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Mar. 8, 1920. Serial No. 364,029. 5 Claims. (Cl. 251—22.)



1. A cock comprising a body portion having a valve chamber provided with two cone-seated outlets having seating surfaces of relatively large area, a valve stem mounted for reciprocal movement in said cock body, a double-coned valve having a rocking and rotatable connection with said stem, the coned surfaces of said valve being adapted to engage wedgingly the opposed cone-seated outlets over substantially their entire area so as to alternately close either of said outlets.

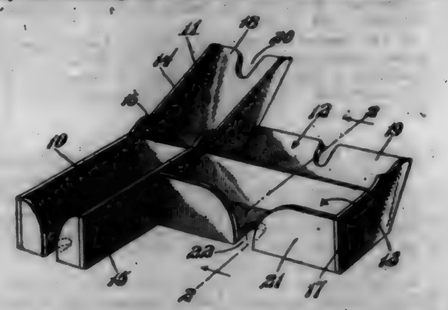
1,532,435. AUXILIARY SAFE AND VAULT LOCK. WALTER E. MURRAY, Fort Dodge, Iowa, assignor, by mesne assignments, to Peoples Investment Company, a Corporation of South Dakota. Filed June 8, 1921. Serial No. 475,977. 4 Claims. (Cl. 109—3.)



1. The combination with safe and vault locking means including locking-bolts and a main locking mechanism therefor, of an auxiliary lock having a support, a tumbler-block pivoted thereon, a tubular member carried by said support and having a longitudinal slot, an expansive spring in said tubular member, said tumbler block being formed with a portion projecting through said slot and engaged by said spring, said spring tending to move said tumbler-block to active position, and means for holding said tumbler-block in an inactive position, said holding means being releasable by abnormal movement of the main locking means.

1,532,436. POSTING TRAY. JOSEPH M. MUSIL, Cleburne, Kans. Filed July 31, 1924. Serial No. 729,368. 2 Claims. (Cl. 211—28.)

1. A posting tray of the character described having forward and rear longitudinally extending compartments for the reception of checks and a pair of forward and rear transversely extending compartments for the receipt of deposit slips disposed at one end of the longitudinally extending compartments, there being a wall triangular in cross section and running from end to end of the tray and dividing the forward check compartment from



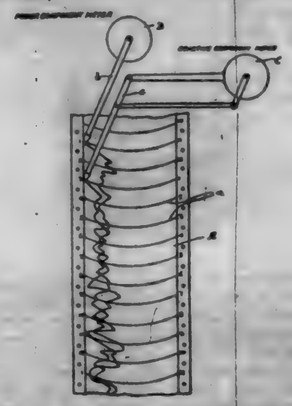
the rear check compartment and the forward deposit compartment from the rear compartment thereof, the rear deposit slip compartment and the rear check compartment having upwardly and rearwardly inclined walls intersecting the angular face of the dividing wall.

1,532,437. BELT. WILLIAM H. O'BRIEN, Denver, Colo. Filed Aug. 17, 1923. Serial No. 657,963. 2 Claims. (Cl. 241—8.)



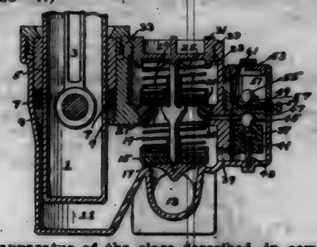
1. The combination of a belt and an attachment for securing the free end of a watch chain to said belt, said attachment comprising a strip of flexible material passed through an opening in the face of said belt adjacent the buckle thereof, said strip forming a loop on the outside face of said belt and having its extremeties extended in opposite directions and secured to the inside face of said belt.

1,532,438. GRAPHIC ELECTRIC METER. LOUIS A. PAINE, Toronto, Ontario, Canada, assignor to Lincoln Meter Company Limited, Toronto, Ontario, Canada. Filed Aug. 27, 1921. Serial No. 496,150. 1 Claim. (Cl. 234—5.5.)



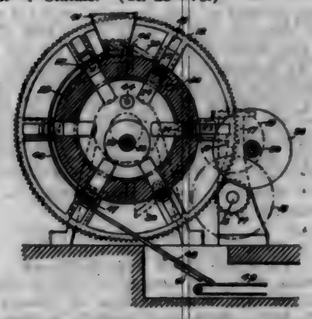
In a graphic meter, the combination with a moving chart having transversely arranged spaced divisions, of a watt meter having a rotatable arm adapted to swing across the chart and a re-active volt ampere meter having a rotatable arm adapted to swing across the chart, said arms being adapted to operate and mark said chart in a longitudinal spaced relation.

1,532,439. PUMP. HARVEY S. PARDEE, Chicago, Ill. Filed May 26, 1920. Serial No. 384,498. 8 Claims. (Cl. 103—7.)



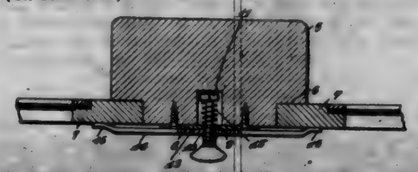
1. In apparatus of the class described, in combination, a pump having a piston and intake and discharge valves, means for drawing in air during each suction stroke and delivering it adjacent the discharge valve, the air being forced into the discharge port during the succeeding pressure stroke of the pump, and a check valve with restricted by-pass, for automatically priming the pump.

1,532,440. ROTARY BRICKMAKING MACHINE. THOMAS OTWAY PARTRIDGE, North Sydney, New South Wales, Australia. Filed June 19, 1922. Serial No. 569,506. 7 Claims. (Cl. 25—78.)



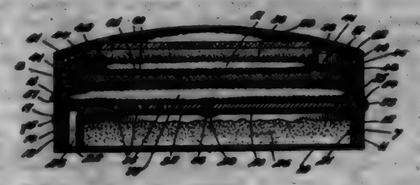
1. An improved rotary brick making machine comprising a rotatably mounted drum and means for rotating same, a radially disposed mould box in periphery of said drum, a pair of radially guided opposing plungers in said mould box, one of said plungers adapted to be operated by a roller moving on curved camways, an adjustable arm having a roller interior of the drum engaging the inner plunger for adjusting the capacity of said mould box, an eccentrically positioned free rotating roller within said drum, and an adjustable free rotating and opposing roller positioned outside the said drums, cooperating with the first-mentioned roller for exerting pressure on said opposing plungers.

1,532,441. LOCK. JOHN PAUL RANSDALE, College Park, Ga. Filed May 24, 1924. Serial No. 715,673. 1 Claim. (Cl. 292—210.)



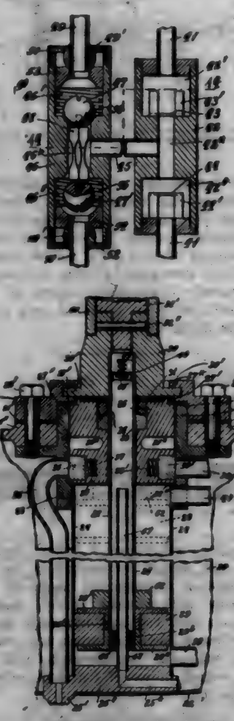
A screen securing device including a spring pressed arm, said arm adapted to contact with adjacent screens to hold them in position, said arm adapted to be rotated to a vertical position and out of engagement with the screen, and means for engaging the arm and restricting movement of the arm.

1,532,442. COMPACT CONTAINER. ALBERT G. SAART, Attlebore, Mass., assignor to Saart Brothers Company, a Corporation of Rhode Island. Filed Jan. 19, 1924. Serial No. 687,175. 3 Claims. (Cl. 132—83.)



1. In a container of the type set forth, two hollow cover sections pivotally connected to each other, a mirror member pivotally supported between said sections, a powder-retaining member extending transversely of the one section and having an indentation, and a resilient locking member on the same section movable into said indentation.

1,532,443. LIQUID-PROJECTING DEVICE. ALBERT V. SAMMIS, Huntington, N. Y., assignor to Fire Gun Manufacturing Company, Huntington, N. Y., a Corporation of New York. Filed July 24, 1915. Serial No. 41,650. 35 Claims. (Cl. 299—97.)



1. In combination with a receptacle, a pump comprising a cylinder connected with the receptacle to withdraw liquid therefrom, said pump being provided with an outlet to discharge such liquid, a piston arranged to reciprocate in said cylinder, a handle for operating said piston, said handle being capable of turning relatively to the cylinder, a plug which is normally stationary and disconnected from the handle, said plug being arranged adjacent to said outlet and capable of turning

relatively to the cylinder about the same axis as said handle, a valve carried by said plug and controlling said outlet, and means for connecting said handle and plug so that they will turn in unison about the same axis.

19. In combination with a receptacle, a pump for discharging material contained in said receptacle, a casing connected with the pump, an intake tube located within said receptacle, and provided at one end with a ball one side of which engages said casing, and a yielding member engaging the other side of said ball.

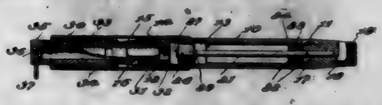
30. In combination with a fluid-container, a double-acting cylinder pump adapted to expel the contents of said container, intakes for said pump, adjacent each end of the container, a valve casing located between said intakes and connected thereto, two gravity valves in said casing, another valve casing, a fluid-passage connecting the two valve casings, two suction valves contained in the second-named valve casing, and fluid-passage connections from said suction-valve casing to each end of the cylinder of said pump.

1,532,444. BUST-CONFORMING BRASSIÈRE. OLIVE SANDBANK, now by marriage Olive S. Cass, New York Mills, Minn., assignor of one-fourth to William Sandbank, New York Mills, Minn. Filed Apr. 17, 1922. Serial No. 553,859. 3 Claims. (Cl. 2—42.)



3. A brassière comprising a strip of flexible material adapted to embrace the body of the wearer substantially at the bust line, said strip having an area at its front central portion formed by stiffened members extending longitudinally of said strip across said area, said members being bent inwardly to form a trough adapted to extend transversely between the busts of the wearer, the portion of said strip in front of and at the outer side of said busts being flexible.

1,532,445. FOUNTAIN PEN. CLAUDE H. SCHOOLEY, Sioux City, Iowa. Filed May 1, 1923. Serial No. 635,916. 5 Claims. (Cl. 120—47.)



1. A fountain pen comprising a barrel having a bore enlarged at one end, means for mounting the pen in the last mentioned end, a plunger rod mounted to reciprocate longitudinally within said barrel, and a piston loosely mounted on said rod and normally positioned in the enlarged portion of the bore when the pen is in use, whereby it may move in synchronism with vibrations imparted to the barrel in writing and thereby cause the ink to flow to the pen.

1,532,446. PROCESS FOR IMPARTING NEW EFFECTS TO COTTON FABRICS. ALBERT SCHÖNHOLZER, Horn, Switzerland, assignor to the Firm Radmer & Co., A.-G., Horn, (Ct. Thurgau), Switzerland. Filed Feb. 11, 1924. Serial No. 692,172. 6 Claims. (Cl. 8—30.)

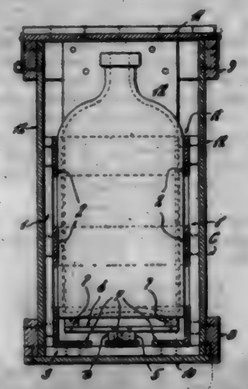
1. In the preparation of cotton fabrics for a treatment by acids for producing transparent or wool like effects, the step which comprises moistening at least part of the fabric so that is contains moisture to an extent of not less than thirty per cent of the weight of the dry fabric so moistened and before subjecting it to the acid treatment.

1,532,447. COOLER-DOOR CONTROL LOCK. THOMAS O. SCHRADER, Allentown, Pa., assignor to The Dent Hardware Company, Fullerton, Pa., a Corporation of Pennsylvania. Filed June 17, 1924. Serial No. 720,483. 3 Claims. (Cl. 202—241.)



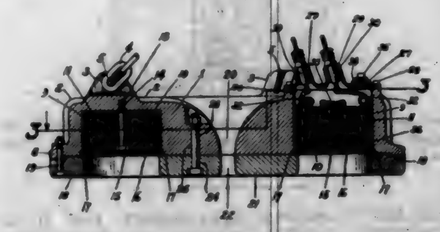
1. A control locking device, comprising a keeper, a locking bolt for engaging said keeper having an extension, a housing in which said extension is journalled, a lever operating rod having a collar normally fitted within said housing to said extension, and the collar of said lever operating rod having a lug, a link pivoted to said lug and adjustably connected to the lug of said housing, for holding said link in one position substantially eccentric with respect to that of said lever operating rod, a coil spring in bearing contact at respective extremities with said lugs, to permit said lever operating rod in actuation to thereby cause said spring to assume a substantially opposite position with respect to the normal position of said link and said lock bolt freed of engagement with said keeper, substantially as and for the purposes described.

1,532,448. PACKING CASE FOR BOTTLES. WALTER G. SEABOLD, Alton, Ill., assignor to Illinois Glass Company, Alton, Ill., a Corporation of Illinois. Filed June 27, 1921. Serial No. 480,568. 3 Claims. (Cl. 217—54.)



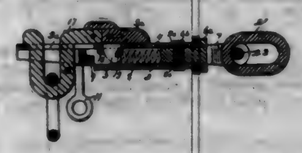
1. A packing case for bottles comprising an inner crate having comparatively heavy non-resilient frame members, resilient cushion members secured to inner faces of said non-resilient frame members and adapted to contact with the periphery of the bottle, and an outer crate having comparatively heavy non-resilient marginal frame members, resilient cushion members secured to said non-resilient marginal frame members and engaged by the first mentioned non-resilient frame members, so as to provide cushions for the inner crate, a bottom secured to one of said marginal frame members, and a cover to close said outer crate.

1,532,449. LIFTING MAGNET. JOHN E. SEDERHOLM, St. Paul, Minn., assignor to American Hoist & Derrick Company, St. Paul, Minn., a Partnership, composed of Oliver Crosby, T. J. Johnson, and W. O. Washburn. Filed Jan. 7, 1922. Serial No. 527,679. 2 Claims. (Cl. 173—367.)



1. In a device of the class described, the combination, with a circular, metallic magnet case, having an annular recess formed in one face thereof, of a plurality of concentric coils arranged in said recess, an annular ring of insulating material between the coils, bolts passing up through said material into said casing with means thereon to retain the coils in said recess, means connecting said coils in series or in parallel, and inner and outer removable pole shoes secured upon the lower face of said case.

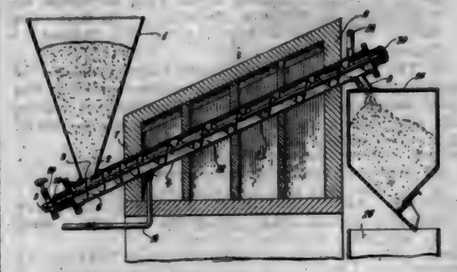
1,532,450. CHAIN SNAP LOCK. ELMER SEVERSON, Deerfield, Wis. Filed Jan. 2, 1925. Serial No. 292. 1 Claim. (Cl. 24—238.)



In a lock for tie chain snaps comprising a hollow body with a spring actuated slidable bolt within the body, a shackle adapted to pass transversely through the body with a member loosely connected to the rear end of the shackle by slotted straps, a portion of said member extending downward in the form of a hook, and adapted to be inserted through a mortise in the top of the body and engage the slidable bolt, in combination with a key for disengaging the bolt from the hook.

1,532,451. APPARATUS FOR MAKING GAS. HAROLD HARDY SMITH, Woolwich, Sydney, Australia, assignor to Minerals Separation North American Corporation, New York, N. Y., a Corporation of Maryland. Filed Feb. 5, 1921. Serial No. 442,628. 3 Claims. (Cl. 263—25.)

1. The combination with a retort shell, of a fire-box in which fuel is burned for heating the shell, means for feeding material to the retort, means for conducting products away from the retort, baffles for causing one end of the retort to be heated more highly than the other by the fire-box, and a treating device through which the gases pass for treating the gases coming from the retort also heated by said fuel.



1,532,452. TRAFFIC SIGNAL. GEORGE C. SPALLER, Cleveland, Ohio. Filed May 12, 1923. Serial No. 638,536. 7 Claims. (Cl. 200—52.)



1. In a traffic signal system the combination of an overhead switch and a removable switch operating stand engageable with said switch and adapted to operate the same.

1,532,453. STOVE. JOHN STAUFFER, North Manchester, Ind., assignor to North Manchester Foundry Company, North Manchester, Ind., a Corporation of Indiana. Filed Nov. 3, 1923. Serial No. 672,484. 1 Claim. (Cl. 126—147.)

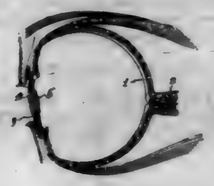


A major fire box comprising in one portion a body circular in horizontal section having a gap and in the other portion of an elongated body, in combination with a segment adapted to removably fill in the said gap and having an extension adapted to fit within the elongated portion of the body.

1,532,454. REFINING CRUDE ARSENIOUS OXIDE. ROBERT SUCHY and JOSEF MICHEL, Griesheim-on-the-Main, Germany, assignors to the Firm Chemische Fabrik Griesheim Elektron, Frankfort-on-the-Main, Germany. Filed July 3, 1924. Serial No. 724,040. 4 Claims. (Cl. 23—144.)

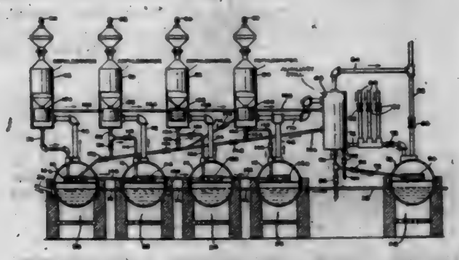
1. The method of refining crude arsenious oxide comprising dissolving said oxide in a sodium carbonate solution, separating off the undissolved matter and treating the filtered solution with carbonic acid gas to precipitate pure arsenious oxide.

1,532,455. ARTIFICIAL EYE. FERNANDO YUART SUNDERLAND, Detroit, Mich. Filed Feb. 21, 1924. Serial No. 694,209. 2 Claims. (Cl. 88—41.)



1. In an artificial eye, an apertured shell corresponding in shape to the outward surface of the human eye, and a lens so positioned with respect to the aperture as to require rays of light which enter the aperture to pass through the lens.

1,532,456. APPARATUS FOR SEPARATING COMPOSITE OILS INTO COMPONENT PARTS. FRANK E. VAN TILBURG, Minneapolis, Minn. Filed June 14, 1923. Serial No. 645,262. 5 Claims. (Cl. 196—106.)



5. Apparatus for separating composite oils into component parts comprising a plurality of main stills, a pan in the upper portion of each of said main stills, pipes connecting said pans in series, dephlegmators connected with said stills, a pan in each of said dephlegmators for collecting the condensate formed therein, pipes connecting said pans in series, and means for trapping back into the pans in said stills overflow from the pans in said dephlegmators.

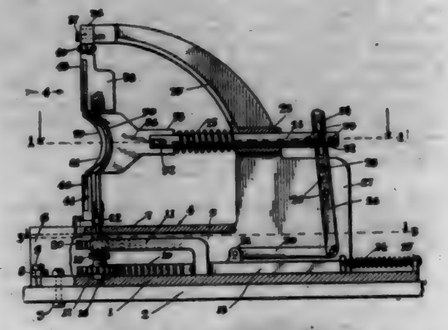
1,532,457. RADIATOR. CLINTON H. WENTWORTH and LLOYD H. WALLNER, Los Angeles, Calif.; said Wallner assignor to said Wentworth. Filed May 17, 1923. Serial No. 639,582. 10 Claims. (Cl. 257—130.)

1. A radiator comprising a finished framework including an upper manifold, a lower manifold, and connecting side members, and a core unit adapted to be inserted or removed through the front opening in said framework



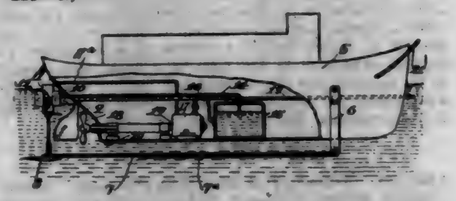
and having its upper end secured to a rear wall of the upper manifold and its lower end secured to a front wall of the lower manifold.

1,532,458. CLING-PIT ATTACHMENT FOR HAND PITTERS. JAMES B. WHIPPLE, Los Angeles, Calif. Filed July 19, 1924. Serial No. 726,982. 8 Claims. (Cl. 146—28.)



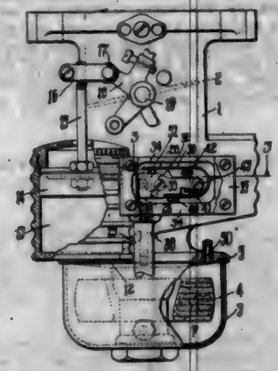
1. The combination with a hand pitter having arched jaws adapted to cut the meat of a peach and grip the pit, of means adapted to enter the cut and press the two halves of the meat apart and remove the meat from the pit.

1,532,459. WAVE MOTOR FOR PROPELLING VESSELS. CLARENCE B. WHITE, Los Angeles, Calif. Filed Feb. 19, 1924. Serial No. 693,750. 6 Claims. (Cl. 115—4.)



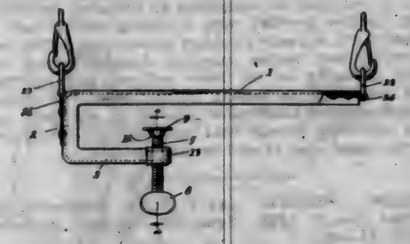
1. In combination, a boat, a propeller therefor, a water turbine adapted to rotate said propeller a pump for pumping water into said turbine, said pump being adapted to draw water from the exterior of said boat, said pump having a piston, a plane connected to said piston, said plane being spaced below said boat and pivotally connected relative thereto.

1,532,460. CARBURETOR. CHARLES E. WILLIAMS, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Aug. 6, 1920. Serial No. 401,676. 15 Claims. (Cl. 261—39.)



9. In a carburetor, a fuel mixture conduit, a fuel chamber in communication therewith, a passage leading from the upper part of the fuel chamber to the atmosphere, a heat responsive device tending to variably restrict said passage, means for housing and protecting said device, and manually controlled means for temporarily increasing the air pressure in said fuel chamber to cause increased discharge of fuel into said conduit.

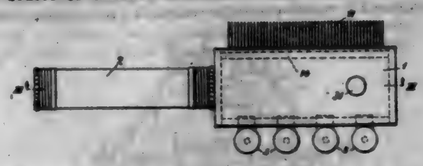
1,532,461. LUGGAGE CARRIER. THEODOR R. WILLWERSCHEID, St. Paul, Minn. Filed Nov. 7, 1921. Serial No. 513,259. 4 Claims. (Cl. 224—29.)



1. A luggage carrier for use in connection with running boards of automobiles, consisting of a channel bar shaped to extend transversely across the top, and around the outer edge of the running board to a point underneath the latter, the channel of the bar facing said running board, means carried by said bar, at a point adjacent the inner and outer edges of the running board, for attaching a tie strap, a clamping screw projected through said channel bar at a point underneath said running board and disposed at right angles to the latter, a nut threaded on said screw positioned within the channel of said bar, and a metallic casing frictionally surrounding said channel bar and loosely surrounding said screw, to keep said nut positioned within the channel.

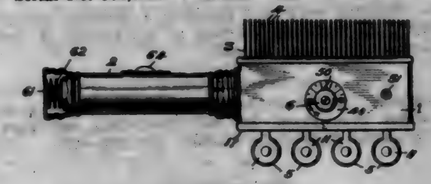
1,532,462. ELECTRICAL MASSAGING INSTRUMENT. ARTHUR WINTERFIELD, New York, N. Y., assignor to Medical Electric Apparatus Corporation, New York, N. Y., a Corporation of Delaware. Filed Oct. 28, 1920. Serial No. 420,127. 9 Claims. (Cl. 174—89.)

1. An electrical massaging instrument comprising a plurality of roller electrodes and a plurality of sets of bristle electrodes mounted on the face of the instrument, a source of current within said instrument, means for



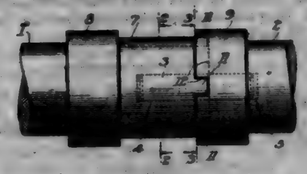
electrifying both said rollers and said bristle electrodes by said source of current and means for regulating the intensity of electrification of said electrodes.

1,532,463. ELECTROMEDICAL APPARATUS. ARTHUR WINTERFIELD, New York, N. Y. Filed Aug. 29, 1922. Serial No. 584,941. 7 Claims. (Cl. 174—89.)



1. In an electro-medical instrument, a casing having a handle, electrodes provided on the exterior of the casing, an induction coil mounted within said casing, a source of current for energizing said coil, a secondary circuit for said coil, said circuit comprising said electrodes, a plurality of resistance elements in said secondary circuit, means for mounting said elements within said casing, and switch mechanism for governing the number of said resistance elements included in said circuit, said mechanism comprising a handle extending to the exterior of said casing and a contact finger mounted on said handle in the interior of the casing, cooperating with said elements and stop means limiting the angular movement of said contact finger.

1,532,464. CLUTCH. IRVING C. WOODWARD, Syracuse, N. Y. Filed Sept. 21, 1923. Serial No. 663,988. 8 Claims. (Cl. 64—106.)

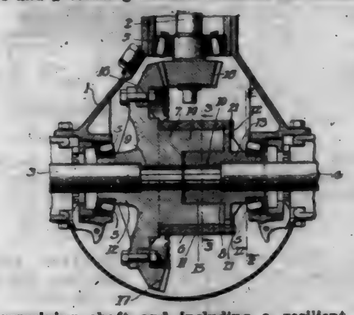


7. The combination with a pair of coaxial rotatable members, of a resilient annular element telescopically arranged with respect to a part of one of said members, said element and the other of said members having interlocking portions arranged to secure said element and other member against relative rotation while permitting a limited radial movement of said element relative to said other member, said part being rigid and of non-circular cross section, said resilient element being normally circular and distorted to conform to said rigid part whereby said members are yieldingly secured against relative rotation.

1,532,465. DIFFERENTIAL MECHANISM. IRVING C. WOODWARD, Syracuse, N. Y. Filed Oct. 27, 1923. Serial No. 671,132. 4 Claims. (Cl. 74—7.)

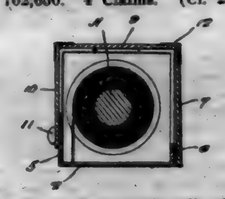
1. A vehicle drive mechanism comprising a pair of coaxial shafts, means for positively driving one of said

shafts, a coupling between said shafts comprising a member of non-circular form secured to one of the shafts and a coacting member mounted for rotation with



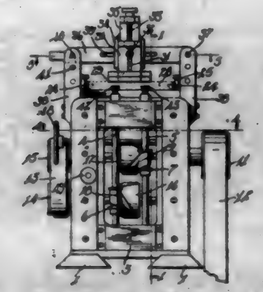
the remaining shaft and including a resilient element adapted to resiliently conform to the surface of said coacting non-circular member.

1,532,466. MUSIC-ROLL RECEPTACLE. MYRTLE A. ANDES, Huntington, W. Va. Filed Mar. 28, 1924. Serial No. 702,650. 4 Claims. (Cl. 206—52.)



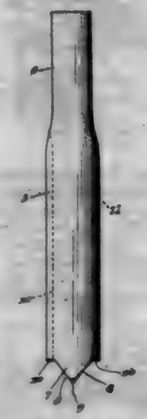
1. In combination with a music roll, of a box therefor comprising a bottom, end walls extending upwardly therefrom, an upstanding wall formed on the forward edge of the bottom, an upstanding wall formed on the rear edge of said bottom, said upstanding walls extending for the full length of the bottom, a rear wall hinged at its lower edge to the rear upstanding wall, the upper edge of said rear wall extending substantially flush with the upper edges of said rear wall and extending substantially flush with the forward edge of the bottom, a front wall hinged to the forward edge of said top, the lower portion of said front wall overlapping the upstanding wall on the forward edge of the bottom and adapted to be secured thereto.

1,532,467. MACHINE FOR MAKING DOVETAIL SLOTS. JOHN RICHARD BARNETT, Cairo, Ill. Filed Mar. 12, 1923. Serial No. 624,595. 1 Claim. (Cl. 144—87.)



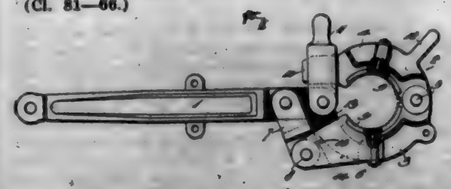
A device of the type described comprising a frame having vertical guides, a spindle carrying frame slidably received in said guides, means for securing said frame in adjusted position, a work support carried by said guides, means for adjustably securing said work support on said guides, work guiding members adjustably carried by said support, uprights carried by said support, an arm having a slot therein and being pivotally and adjustably carried by one of said uprights, a pin adjustably carried by the other upright for supporting the free end of said arm, a plate, a work engaging member, a screw for moving said work engaging member with respect to said plate, and means for locking said work engaging member and plate against movement, said means also supporting said arm and work engaging members.

1,532,468. ROCK-DRILL BIT. SAMUEL BAWDEN, Oakland, Calif. Filed April 5, 1922. Serial No. 549,926. 2 Claims. (Cl. 255—63.)



1. A rock drill bit comprising an elongated cylindrical body portion provided with a cutting end, a pair of diametrically opposite shoulders adjacent its cutting end, a cutting body having oppositely disposed beveled surfaces beginning at the inner ends of said shoulders and converging to form a cutting edge, and diametrically opposite longitudinal grooves in said body portion extending through said shoulders and terminating at the upper edges of said beveled surfaces.

1,532,469. WRENCH. LEE J. BLACK, Beaumont, Tex. Filed Nov. 5, 1923. Serial No. 672,955. 2 Claims. (Cl. 81—66.)



1. A wrench of the class described comprising a handle provided at its outer end with a laterally directed longitudinally curved extension, the outer curved edge of which functions as a cam surface, a work gripping device embodying a plurality of pivotally connected links, one of said links being bifurcated and the furcations straddling the curved extension with their free ends projecting beyond the cam surface, an abutment forming pin passing thru the projecting portions of the furcations and slidably contacting said cam surface, means pivotally connecting the free ends of the furcations with the handle inward of the extension, said means exerting a pull upon the furcations when the handle is swung in a predetermined direction and serving to

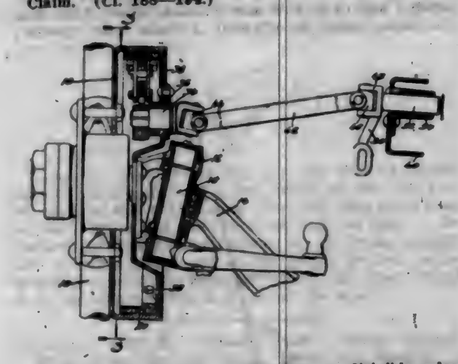
slide the pin on the cam surface, the free end portion of the remaining link being extended into parallelism with the handle, and a pivoted latch on the latter engaged with said free end portion.

1,532,470. VEHICLE HAVING BRAKES. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 8, 1923. Serial No. 623,719. 2 Claims. (Cl. 188—10.)



1. A vehicle having, in combination, front wheel brakes including bands each of which is anchored at one end and each of which has a cam at the other end, the cams being arranged clockwise from the anchored ends (regarding the vehicle with the front wheels on the left), rear wheel brakes including bands each of which is anchored at one end and each of which has a cam at the other end, the cams being arranged counterclockwise from the anchored ends, and driver-controlled connections for rocking the cams to apply the brakes.

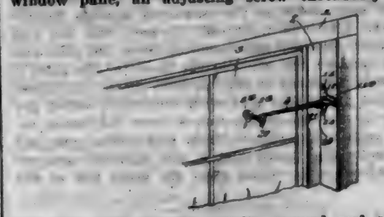
1,532,471. VEHICLE HAVING BRAKES. CLIFFORD ARCHIE BOOM, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 15, 1923. Serial No. 625,306. 1 Claim. (Cl. 188—194.)



A vehicle having, in combination, a dirigible wheel movable about a substantially vertical steering axis, a relatively-movable chassis frame, a brake comprising a drum rotating with the wheel and a non-rotating retarding device, and means for operating the retarding device including a driver-controlled shaft having a universal joint in said steering axis and a second universal joint adjacent said frame and a part beyond the second universal joint which is slidably held by the chassis frame.

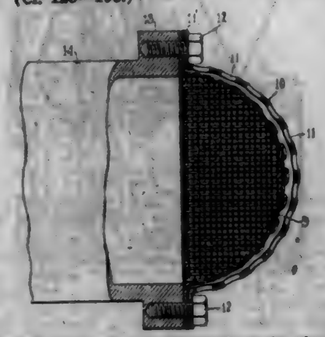
1,532,472. WINDOW PROTECTOR. PETER P. BROWN, Lusk, Wyo. Filed May 23, 1924. Serial No. 715,384. 3 Claims. (Cl. 292—251.)

1. A device of the character described comprising an arm, means whereby said arm may be swingingly supported at one end to extend in proximity to a pane of said window, a brace pivotally attached at one end to said arm and adjustably engageable at its other end with said supporting means for holding said arm in raised position and in adjusted angular relation to the vertical, a presser head adapted to engage with said window pane, an adjusting screw threadedly engaging



said arm and movable axially toward and away from the plane of said window pane, and a ball and socket joint connecting the ends of said screw which is proximate to said window pane and said presser head, whereby said presser head may be moved to and from position to engage said window pane.

1,532,473. EXHAUST FIRE SCREEN. CHARLES F. S. BYRNE, Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 12, 1920. Serial No. 395,790. 1 Claim. (Cl. 123—198.)



The combination with an internal combustion engine having an exhaust conduit discharging to the external atmosphere of a fire guard comprising a screen of fine mesh wire fabric adapted to prevent passage of flame therethrough arranged to cover the outlet of said conduit, and a shield having larger apertures than those of said screen mounted outside of and spaced from said screen.

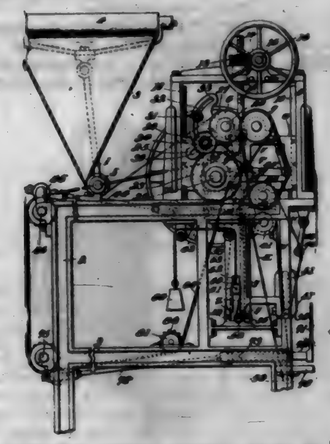
1,532,474. EXERCISING MACHINE. HENRY M. CHRISTOFFERSEN, Sidney, Nebr. Filed Feb. 25, 1924. Serial No. 695,056. 1 Claim. (Cl. 265—20.)



An exercising apparatus comprising an elevated platform, vertically disposed bars mounted in parallel relation upon the platform and provided at their inner opposite edges with guide grooves, pins passing trans-

versely through the standard and having end portions disposed beyond the rear surfaces of the standards, heads mounted upon the pins, a bar slidably mounted upon the pins and bridging the space between them and provided at a point between the pins with a lip disposed toward the space between the standards, springs mounted upon the pins and interposed between the bar and the standards, other springs mounted upon the pins and interposed between the bar and the heads of the pins, a board slidably mounted in the grooves of the standards and provided at its rear side with rack teeth which are engageable by the lip of the bar, a lever fulcrumed between its ends under the platform and having one end disposed under the board and a pin slidably mounted in the platform and resting upon the other end of the lever.

1,532,475. NAPKIN-FOLDING MACHINE. CHARLES H. COONS, Saugerties, N. Y., assignor of three-fifths to The Tissue Company, Saugerties, N. Y., a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,288. 21 Claims. (Cl. 270—67.)



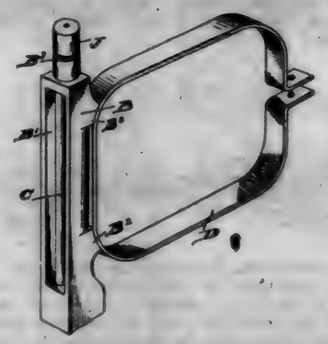
1. In a napkin folding machine, means for initially folding a web of paper, a pair of drawing rollers, cooperating cutting means for severing the folded paper, guiding means for such severed sheet, means for transversely folding such sheet arranged in spaced relation to said cutting means, and means for varying the distance between said cutting means and said last named folding means.

1,532,476. PROCESS OF GLACÉING FRUIT. WILLIAM V. CRUESS, Berkeley, Calif., dedicated, by mesne assignments, to the Citizens of the United States. Filed Sept. 10, 1924. Serial No. 736,916. 1 Claim. (Cl. 99—16.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

The process of glacéing fruit which comprises treating the fruit in sugar syrups of progressively increasing concentration, thereafter draining the fruit to remove excess adhering syrup, then allowing the adhering syrup to dry, and finally coating the syrup-covered fruit with a solution containing pectin and sugar.

1,532,477. GAUGE ATTACHMENT FOR FUEL TANKS. IRÁ F. DE TURK, Detroit, Mich., assignor to Clarence W. Wass, Detroit, Mich. Filed Nov. 22, 1922. Serial No. 602,533. 2 Claims. (Cl. 73—54.)

1. In a device of the character described, a fuel tank, a casting recessed to receive and expose a gauge glass and on its rear side provided with spaced lugs intermediate the ends thereof, a gauge glass supported in the upper and lower ends of the casting, a flexible strap secured intermediate its ends at spaced points to said lugs of the casting and extending horizontally laterally from the casting within the horizontal planes of the ends of the casting, means whereby to join the ends of the strap to secure the strap and the casting to the fuel tank with the strap in embracing relation with the



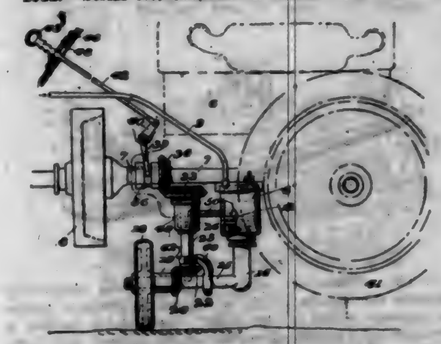
tank, a pipe connection between the casting and the fuel tank, an exteriorly screw threaded cylindrical shaped plug rotatably mounted in the casting adjacent the outer end of the connection of the pipe with the casting and below the lower side of said flexible strap and provided with a port whereby to establish communication between the tank and the gauge glass by way of said pipe connection.

1,532,478. MANUSCRIPT HOLDER FOR TYPEWRITERS. STELLA J. EDWARDS, Jackson, Miss. Filed Dec. 5, 1923. Serial No. 678,640. 1 Claim. (Cl. 20—28.)



A manuscript holder for attachment to typewriters comprising an open frame having upper and lower cross bars, and side bars, said side bars projecting downwardly beyond the lower cross bar to provide attaching legs, said legs being provided at their free ends with laterally directed spaced fingers adapted to engage an existing part of the typewriter, and a plurality of pairs of opposed manuscript engaging clasps carried by the vertical side bars of said frame, the stationary jaws of said clasps being formed integral with the side bars of said frame.

1,532,479. HYDRAULIC HOIST FOR AUTOMOBILES. LOUIS P. FEDOWICZ, Brooklyn, N. Y. Filed Jan. 20, 1923. Serial No. 530,653. 1 Claim. (Cl. 180—1.)



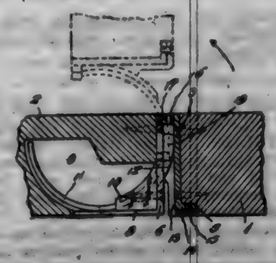
The combination with a vehicle having an engine provided with a drive shaft, of a cylinder carried by the vehicle adapted to receive fluid under pressure, a horizontal axle having one end extending upwardly and provided with a piston within said cylinder, a ground contact wheel carried by the other end of said axle, a vertical shaft carried by said horizontal axle for turning movement with relation thereto, beveled gears connecting said horizontal axle and said vertical shaft, a housing about the upper end of said vertical shaft, a gear carried by said housing feathered to said vertical shaft adapted to permit said shaft to slide with relation thereto, a gear upon said drive shaft and feathered thereto, and means for bringing said second gear in mesh with said gear carried by said housing for driving the ground wheel.

1,532,480. EYESHADE. JOHN W. FINCH, Los Angeles, Calif. Filed Apr. 10, 1924. Serial No. 705,495. 3 Claims. (Cl. 2—12.)



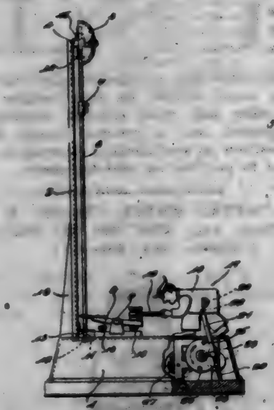
3. An eye shade comprising a single piece of flexible material shaped to form a nose bridge at the center of the material and the material extending both ways from the nose bridge and forming loops, and the ends of the material meeting and overlapping at the bridge portion and secured together and to the bridge portion, corresponding ends of the loops and the bridge being shaped to fit the contour of a face around the eyes.

1,532,481. HINGE. NELSON HARRY FORBES, Detroit, Mich. Filed Nov. 11, 1924. Serial No. 749,238. 2 Claims. (Cl. 16—178.)



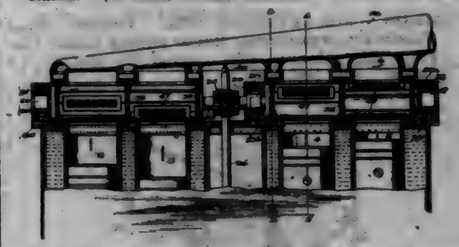
1. A hinge comprising a pair of substantially L-shaped members adapted to be secured to a door and the adjacent edge of the usual frame therefor respectively, the L-shaped member associated with the frame being disposed over a cavity provided in the frame, a reinforcement associated with the L-shaped member carried by the frame and disposed within the cavity, said L-shaped member and said reinforcement haing an arcuate slot provided therein, a curved arm slidable within said slot, the free end of said arm being adapted to be disposed within the cavity in the frame, and means for detachably securing the curved arm at its opposite end on the L-shaped member secured to the door.

1,532,482. FIGURE TOY. JOSEPH T. FORD, East St. Louis, Ill., assignor of one-half to Walter H. Fancher, East St. Louis, Ill. Filed Oct. 12, 1922. Serial No. 594,073. 2 Claims. (Cl. 46—40.)



1. In a toy of the class described, a figure having relatively stationary and movable pivotally connected parts, a rod having direct pivotal connection at its upper end with the movable part of said figure, said rod being provided between its ends on one edge with a beveled shoulder, a base on which said figure is mounted, a coiled spring connected at one end to said base and adjustably connected at its opposite end to the lower end of said rod to exert a downward pull on the rod, and a rotary driven disk disposed adjacent said rod and provided with laterally extending diametrically opposite pins for alternately engaging said shoulder.

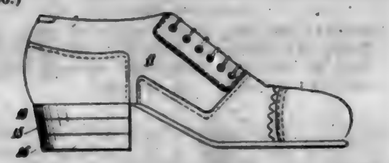
1,532,483. ROTARY VALVE. CHRISTIAN CELSUS FOSS, Pulaski, and DOUGLAS DEWEY DE LOACH, Savannah, Ga. Filed Sept. 7, 1923. Serial No. 661,411. 17 Claims. (Cl. 123—190.)



1. A rotary valve comprising a tubular valve casing having diametrically opposite ports formed through the walls thereof, and a valve comprising a carrying member mounted to rotate in the casing and having diametrically opposite openings respectively adapted to register at times with the corresponding openings of the valve casing and radially expansible means extending through diametrically opposite openings in the carrying member in engagement with the inner wall of the valve casing.

said radially expansible means being provided with an opening extending therethrough for establishing communication between the diametrically opposite ports of the valve casing at a certain time during rotation of the carrying member.

1,532,484. INTERCHANGEABLE BOOT AND SHOE HEEL. JOSEPH GÁSPÁR, New York, N. Y. Filed Nov. 10, 1923. Serial No. 673,891. 3 Claims. (Cl. 36—36.)



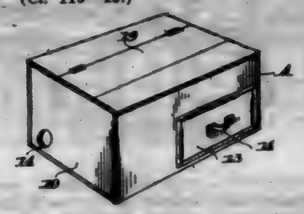
3. A heel comprising a permanent top plate, a backing element, a tread element on said backing element, a block retaining said tread element engaged with said backing element, and a common means holding said block in position on said backing element and said backing element in position on said top plate.

1,532,485. METAL WHEEL. EDWARD D. GILLESPIE, Lake Village, Ark. Filed May 31, 1924. Serial No. 717,123. 1 Claim. (Cl. 301—65.)



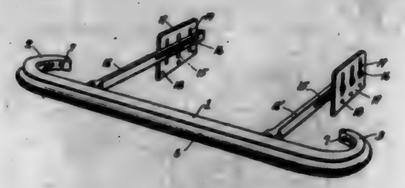
A cast metal wheel comprising a hub portion having an interior rectangular bore, side sections formed integral with the hub portion and converging toward their outer peripheral edges, a metal rim engaging the outer peripheral edges of the side sections, a bushing removably supported in the hub portion and being provided with a substantially rectangular outer peripheral formation, and with a longitudinally extending bore of conical formation having flared ends.

1,532,486. FOX-BREEDING DEN. VINCENT JAMES HARRINGTON, Summerside, Prince Edward Island, Canada. Filed Mar. 8, 1924. Serial No. 697,807. 2 Claims. (Cl. 119—19.)



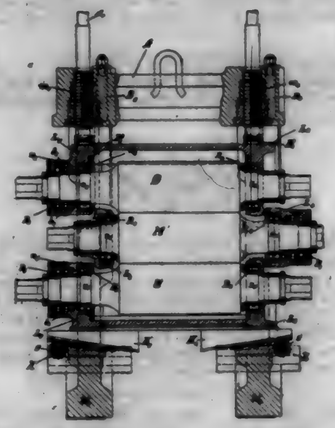
2. A device of the character described comprising a breeding den, having openings therein, a drawer nest operable from the outside of the den and provided with an opening designed to register with one of the den openings, the other den opening communicating with the outside.

1,532,487. AUTOMOBILE BUMPER. JEREMIAH HAYES, Everett, Wash. Filed July 28, 1923. Serial No. 654,864. 2 Claims. (Cl. 293—55.)



1. The combination with a vehicle frame comprising opposite side beams, of plates secured to the said beams at opposite sides of the frame; said plates having a plurality of vertical slots therein, a bumper bar, comprising a forwardly facing channel bar, a rubber cushion seated in the channel, supporting arms fixed at their forward ends to the bumper bar and having longitudinal slotted inner ends disposed adjacent the said plates and bolts extended through said slotted ends and through the slots of the plates to secure the arms at adjusted positions.

1,532,488. ROLLING MILL. RICHARD HEIN, Witkowitz, Czechoslovakia. Filed Dec. 26, 1922. Serial No. 609,122. 14 Claims. (Cl. 80—39.)

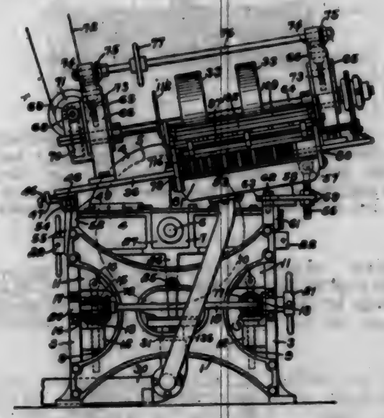


1. In a rolling mill, the combination, with the rolls and their journals, of journal bearings positioned in staggered arrangement, as set forth.

1,532,489. PROCESS FOR PRODUCING THE HYDROXIDES OF ALKALI METALS OR OF ALKALINE-EARTH METALS. ERNST HEINZE, Wiesdorf-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Oct. 6, 1924. Serial No. 742,057. 2 Claims. (Cl. 23—184.)

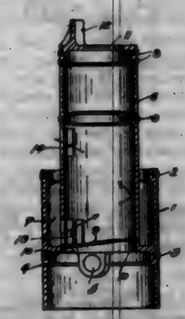
1. The process of producing the hydroxides of the alkali forming metals, which process consists in treating an amalgam of an alkali forming metal with water in the presence of an alloy of iron with chromium, substantially as described.

1,532,490. ROD-GRINDING MACHINE. JONATHAN A. HUNT, Salem, Mass., assignor to Frederick L. Emery, Lexington, Mass. Filed Aug. 17, 1920. Serial No. 404,112. Renewed Feb. 9, 1923. 87 Claims. (Cl. 51—215.)



1. A rod grinding machine comprising, in combination, a grinder, means including independently adjustable saddles and cooperating feed wheels to roll the ends of said rods transversely of the face of said grinder, means to contain a mass of rods, and means to feed said rods from the mass simultaneously to said saddles.

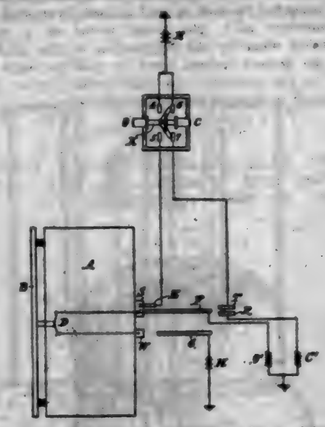
1,532,491. PISTON. THOMAS A. HUTSELL, Spokane, Wash., assignor to Hutsell Motor Company, Spokane, Wash. Filed Dec. 7, 1923. Serial No. 679,228. 3 Claims. (Cl. 123—71.)



3. The combination with the co-axial pump and motor pistons, of a closed head for the motor piston, said motor piston having spaced lower inlet ports and upper outlet ports and a laterally declining annular groove in the interior wall of the motor piston, and a bottom member for said piston seated in said groove with its lowest portion adjacent the inlet ports.

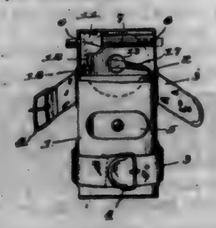
1,532,492. DOOR CONTROL. LEE P. HYNES, Albany, N. Y., assignor to Consolidated Car-Heating Company, Albany, N. Y., a Corporation of West Virginia. Filed Apr. 16, 1920. Serial No. 374,821. 12 Claims. (Cl. 268—7.)

1. The combination with a door and its operating motor of a door opening circuit for said motor and a door closing circuit for said motor, a contact mounted upon and movable with the door, and control means for



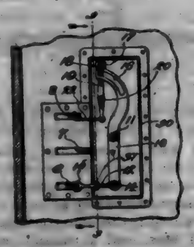
the two circuits located respectively in positions to be engaged by the door carried contact at the two extremes of the door movement.

1,532,493. SIGNAL LIGHT. WILL E. IVIE, Washington, D. C. Filed July 27, 1921. Serial No. 487,885. 3 Claims. (Cl. 177—329.)



1. A signal including a casing and means for attaching the same to the hand, a battery in said casing, an electric lamp engaging one terminal of the battery, an inertia controlled rod, means for mounting said inertia controlled rod in the casing to permit sliding movement thereof transversely to the hand, a weighted member carried by the rod, a contact carried by the rod and adapted to engage the other terminal of the battery, and means for holding said rod in either of two positions, said means being releasable through the inertia of the rod and weighted member.

1,532,494. AUTOMOBILE CLUTCH CONTROL. LESLIE JAMES, Chicago, Ill. Filed Apr. 19, 1924. Serial No. 707,749. 4 Claims. (Cl. 74—39.)



1. A control mechanism for use on planetary transmissions of automobiles comprising a lever having an arcuate slot and a branch communicating with the slot,

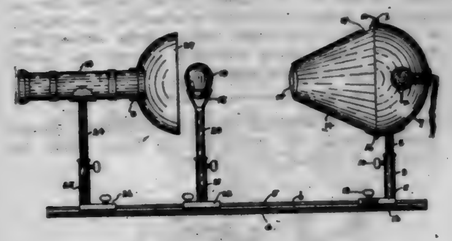
a lever fulcrumed intermediate its ends and having a bearing member normally received in said branch, and a link connected to said second named lever and adapted for connection with the brake pedal of a planetary transmission whereby the depression of the brake pedal swings the second named lever to position said bearing member in the arcuate slot and thereby move the first named lever a limited extent.

1,532,495. HAIR-RETAINER. ELIN O. JENSEN, San Francisco, Calif. Filed Nov. 18, 1924. Serial No. 750,567. 3 Claims. (Cl. 132—25.)



1. A hair retainer comprising an arcuate band arranged to fit around the back of the head of a wearer and having teeth formed integral therewith to engage the hair at the back of said head to normally retain said band in operative position, the front ends of said band being bent back inwardly with respect to said band to form loops arranged to engage and retain in position the front side locks of hair depending from the head of said wearer.

1,532,496. OBJECT-TESTING APPARATUS. JOHN A. JOHNSON, College Springs, Iowa. Filed Sept. 20, 1923. Serial No. 663,912. 5 Claims. (Cl. 99—6.)



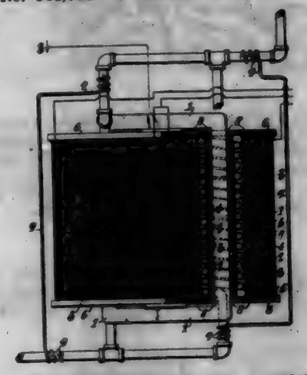
3. In an object testing apparatus, a base support, a reflector mounted on the support, a shutter of funnel shape provided with a lens and mounted on the reflector, a holder for supporting an object to be inspected, said holder being adjustably mounted on the support for disposing the supported object at selected distances from the lens in line with the longitudinal axis of the reflector and said lens, and a tubular, optical instrument mounted to permit vertical and horizontal adjustments on the support with its longitudinal axis in line with the longitudinal axis of the reflector.

1,532,497. MATTRESS. ERBERT ASHBY JONES, Danville, Va. Filed Mar. 9, 1922. Serial No. 542,411. 2 Claims. (Cl. 5—345.)



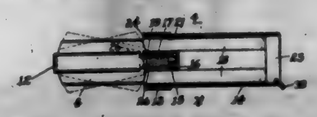
1. A mattress for double beds comprising two similar longitudinal sections with parallel sides and a narrow central mattress section interposed on edge between them and projecting materially above the surfaces of the said two sections, thus forming a dividing wall.

1,532,498. ELECTRIC-INDUCTION WATER HEATER. CHARLES KAISER, Atlantic City, N. J., now by judicial change of name Charles Caise. Filed Mar. 25, 1922. Serial No. 546,704. 7 Claims. (Cl. 219—47.)



1. In an induction heater, a core, a secondary coil wound around said core, a primary coil of wire wound around said secondary coil, said wire coil having provision for connecting it to an electric energising circuit, said secondary coil comprising a pipe adapted for connection in a water circulating circuit, and heat insulating means separating said pipe-coil from said core.

1,532,499. RAZOR-BLADE KNIFE. BEDFORD T. KAVANAUGH, Chicago, Ill. Filed Apr. 3, 1922. Serial No. 549,216. 26 Claims. (Cl. 30—12.)



1. In a device of the class described, the combination of means for grasping the blade including a guide, and a sheath moving through said guide adapted to cover or uncover both edges of the blade.

1,532,500. PROCESS FOR THE TREATMENT OF MAGNESITE OR DOLOMITE. GEORGE STIRES KILBOURN, Owen Sound, Ontario, Canada. Filed Feb. 6, 1923. Serial No. 617,378. 3 Claims. (Cl. 23—201.)

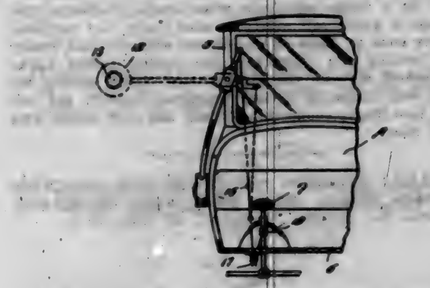
1. The herein described process for the extraction of lime from materials containing magnesium and calcium carbonates, which consists in first calcining the material

to be treated, slaking the same, then allowing it to settle in a suitable vessel and subjecting it to the action of a stream of water introduced therebeneath through a



screen of substantially 200 mesh, covered with a layer of porous material, whereby the lime is floated off and the magnesia remains.

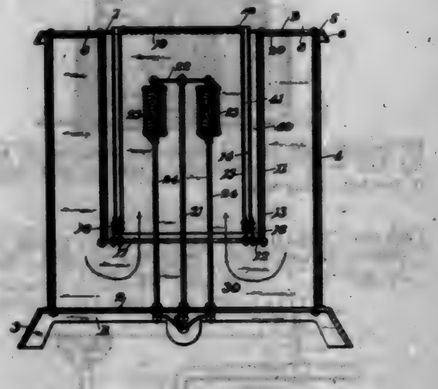
1,532,501. DIRECTION INDICATOR FOR MOTOR VEHICLES. EDWARD L. KING, Fonda, Iowa. Filed Feb. 18, 1924. Serial No. 693,024. 1 Claim. (Cl. 177—329.)



A direction indicator comprising a clamp member, a casing pivotally mounted on an extension on one end of said clamp member, an arm journalled in the casing, and having its axis disposed at a right angle to the axis of pivotal movement of the casing, said arm having a crank portion disposed exteriorly of the casing, a spring housed within the casing and connected at one end with the arm and at its other end with the casing, a contact member mounted in the casing and a contact plate mounted upon said portion on the clamp member insulated therefrom and disposed in the path of movement of the contact member which is mounted in the casing for engagement with said first mentioned contact member.

1,532,502. ELECTRIC HEATER. JOSEPH L. LAWRENCE, San Francisco, Calif., assignor to Herzog Electric & Engineering Company, San Francisco, Calif., a Corporation of California. Filed Aug. 15, 1922. Serial No. 581,951. 4 Claims. (Cl. 219—34.)

1. An electric heater, comprising a casing a base plate therefor and forming a closure for the lower end thereof, a top plate carried by the casing having air inlet and discharge openings formed therein, a casing attached to the top plate and interspaced with relation to the base plate, said casing communicating with the discharge opening at its upper end and with the inlet openings at its lower end, a flange secured to the lower end of said last named casing, a second casing supported

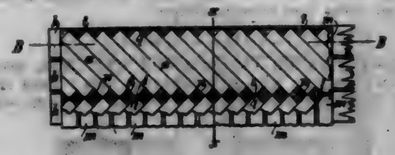


by the flange and interspaced with relation thereto to form a dead air space, and an electric heating element disposed within said second named casing.

1,532,503. CHLORIDIZING VOLATILIZATION PROCESS. HARAI R. LAYNG, San Francisco, Calif.; Hattie F. Layng administratrix of said Harai R. Layng, deceased. Filed July 27, 1921. Serial No. 487,995. 3 Claims. (Cl. 75—67.)

1. A method of chloridising volatilization which consists of heating a mixture of ore and chloridizer in a furnace and supplying an additional chloridiser in the form of a solution during the heat treatment of the ore to volatilize the values.

1,532,504. PARQUETRY-SLAT FLOORING. LEOPOLD LICHTENFELD, Vienna, Austria. Filed July 25, 1923. Serial No. 653,762. 2 Claims. (Cl. 20—75.)

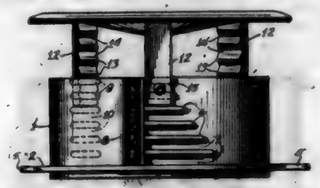


1. A flooring comprising a long flooring strip composed of grid battens arranged at right angles to the longitudinal direction of said strip, and parquetry slats glued side by side on said grid battens at an angle of 45° to the lengthwise direction of the latter in such a manner that the grid-batten ends project beyond the free corners of the parquetry slats.

1,532,505. VENTILATING DEVICE. DE WITT TAYLOR LYON, Chicago, Ill., assignor of one-half to Babet R. H. Lyon, Chicago, Ill. Filed Aug. 15, 1924. Serial No. 732,288. 4 Claims. (Cl. 98—49.)

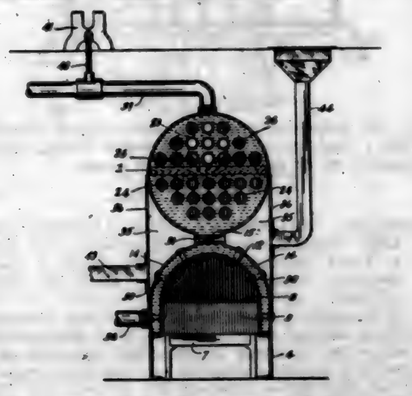
1. A ventilating device comprising an oblong wall of substantially elliptical shape, a plurality of supporting members carried by said wall on the exterior thereof,

said members being progressively longer from top to bottom of said wall, and a cover portion having legs arranged to fit over said wall and provided with means



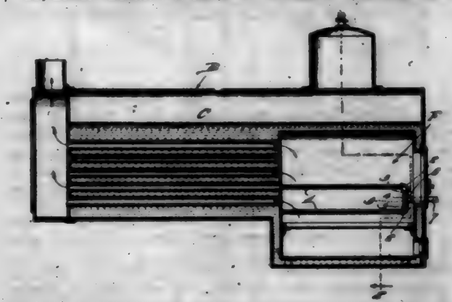
for engaging any of said supporting members for holding said cover in predetermined relation with respect to the top of the wall.

1,532,506. STEAM AND AIR HEATER. DONALD MCGREGOR, Tacoma, Wash. Filed June 16, 1923. Serial No. 645,764. 3 Claims. (Cl. 126—101.)



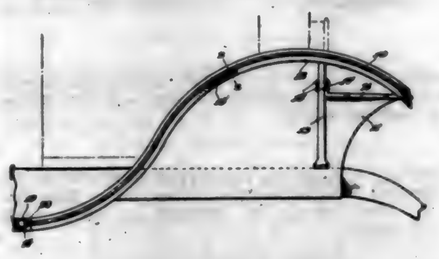
1. In a heater of the character described, a water arch forming the side and top walls for a fire box, a cylindrical boiler superimposed, longitudinally upon and having water circulating connection with the water arch and with air pocket along opposite sides thereof, and a plurality of air passages connecting the pockets, housing plates secured to the boiler and arch to inclose said pockets, a cold air inlet into one of said pockets and an outlet pipe from the other.

1,532,507. WATER CIRCULATION UNIT FOR BOILERS. JOHN L. MCKOWEN, Sapulpa, Okla. Filed May 15, 1922. Serial No. 561,069. 1 Claim. (Cl. 122—68.)



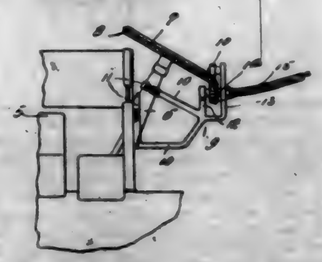
The combination with a boiler including a fire box surrounded by a portion of the boiler proper to form a water space around the fire box; of a pair of substantially U-shaped circulation units for heating the water passing therethrough, said units being supported on the inner faces of the vertical sides of said fire box over the grate, each of said units being composed of a pair of horizontally disposed spaced pipes connected at their open ends with the flue-sheet of the fire box and connected together at their opposite ends by a four-way coupling, a short pipe connected with the side extension of the coupling and leading to the aforesaid water space, and a combined drain and blow-off pipe connected to the rear extension and passing through the rear end of the boiler.

1,532,508. MOTOR-VEHICLE FENDER GUARD. LIONEL HALLECK MACDONALD, Kansas City, Mo. Filed Aug. 14, 1924. Serial No. 732,091. 7 Claims. (Cl. 293—57.)



1. In a motor vehicle, a wheel fender having a side flange, a guard rail overlying said flange and anchored at its ends to parts of the vehicle adjacent said fender for bracing and reinforcing the fender, saddle blocks interposed between the rail and said flange seating the rail, and fastening devices extending through the rail and said blocks connecting the rail and said blocks with said flange.

1,532,509. STEERING MECHANISM FOR TRACTORS. FRANK MAHOOD, Amity, Oreg. Filed Aug. 3, 1923. Serial No. 655,394. 1 Claim. (Cl. 180—77.)



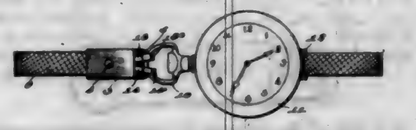
A device of the class described comprising a supporting bracket embodying a pair of angularly disposed and spaced hanger arms provided at their free ends with clamps adapted to be connected to a steering rod post, said bracket also embodying a pair of vertically disposed long and short extensions disposed in spaced parallelism, said extensions being provided with aligned openings, a shaft journaled in said aligned openings and equipped with a pinion, operating means for said shaft, a hand wheel provided with teeth in mesh with the teeth of said pinion, an idler carried by the upper end of said long extension and engaging the peripheral portion of said hand wheel to maintain the same in mesh with said pinion, a frame provided with bearings, and a manually rotated shaft journaled in said bearings, said shaft being connected with the aforesaid operating means.

1,532,510. SAFETY CLOTHESPIN. THEODORE R. MATHEWS, Cleveland, Minn. Filed May 1, 1923. Serial No. 635,024. 1 Claim. (Cl. 24—137.)



A clothes pin comprising a pair of sections, pivotally connected together, the upper portions of the said sections forming head sections of the pin, the portions below the pivot forming the legs of the pin, one of said head sections being provided with sockets, a locking ring comprising a substantially semi-circular member having its free ends equipped with pivots to be received in said sockets, said locking ring being adapted to extend around and embrace the other head section, whereby the head sections may be locked when the leg sections are in operative engaging position.

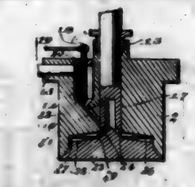
1,532,511. COUPLING. MEYER NATHAN MELTZ, Atlanta, Ga. Filed Aug. 23, 1924. Serial No. 733,843. 3 Claims. (Cl. 24—240.)



1. A coupling of the character described comprising a frame having a bottom plate, a pair of spaced apart side members upstanding from the bottom plate, and a top plate, said bottom plate extending at one end of the frame beyond the side members and beyond the top plate, a combined pivot element and securing device connecting the central portion of the top plate with the underlying portion of the bottom plate, a transverse partition extending between the side members of the frame rearwardly of the combined pivot element and securing device, thus dividing the frame interiorly into a rear compartment and a front compartment, the extending end portion of said bottom plate being at the front of the frame, said rear compartment being adapted for the reception of an end portion of a ribbon or tape, a pair of elongated attaching members having eyes at their inner ends through which said pivot element extends and having hooks at their outer ends, the outer end portions of said attaching members resting upon the extending end portion of the bottom plate in sliding contact therewith, and a spreader spring urging said attaching members apart.

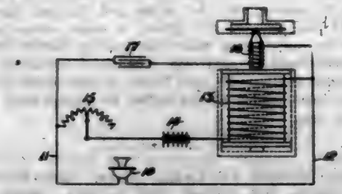
1,532,512. FUEL VALVE. JAMES ANDREW MURDOCK, Tulsa, Okla. Filed Feb. 19, 1923. Serial No. 620,066. 14 Claims. (Cl. 123—33.)

1. A movable valve having means forming an oil chamber adapted to be filled upon the suction stroke of an engine to which the valve is applied, said chamber having an outlet, and a screen extending up to the outlet which permits oil to flow directly upon the screen



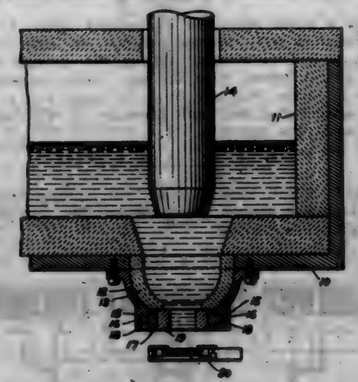
thereby spreading most of the oil in a thin film in readiness for injection into the engine cylinder upon a subsequent expansion stroke.

1,532,513. TELEPHONE CIRCUIT. EDWIN S. PRIDHAM and PETER L. JENSEN, Oakland, Calif., assignors to The Magnavox Company, Oakland, Calif., a Corporation of Arizona. Filed May 1, 1922. Serial No. 557,516. 8 Claims. (Cl. 179—1.)



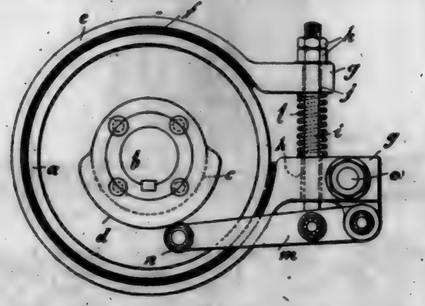
1. A telephone circuit for use with an electro-dynamic receiver of the type mentioned comprising a battery, an electro-magnetic winding for the receiver, a transmitter connected in series with the battery and winding and a movable coil for the receiver connected with the transmitter and in parallel with the battery and magnetic winding and including the said battery and magnetic winding in its circuit, the magnetic winding acting as a choke to prevent the modulated current of the movable coil from passing through the direct current circuit.

1,532,514. PLUNGER BASIN FOR GLASS-FEEDING BOOTS. HARRY RAYNES, San Francisco, Calif., assignor to Illinois-Pacific Glass Company, San Francisco, Calif., a Corporation of California. Filed Apr. 16, 1923. Serial No. 632,365. 2 Claims. (Cl. 49—55.)



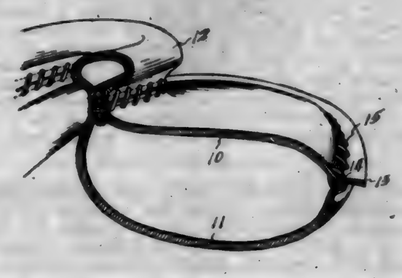
1. In a glass feeding boot, a basin secured to the bottom of the boot and surrounding the discharge orifice, said basin being formed with a rectangular opening with flanges at opposite sides, a frame slidably fitted upon the said flanges and a bushing carried by the frame forming the discharge orifice for the basin.

1,532,515. MECHANICAL BRAKE. CHARLES JOSEPH RHODES, Piedwick House, near Wakefield, England. Filed June 4, 1921. Serial No. 475,022. 2 Claims. (Cl. 188—135.)



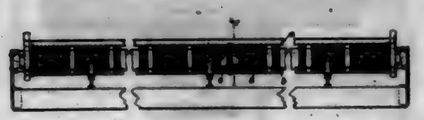
1. A shaft, a brake drum thereon, having a cam, a brake band bearing on the drum and having ends arranged at one side of the drum, a lever connected at one end to one of said ends and having means at the other end to bear on said cam, a member connecting the intermediate portion of said lever to the other end of the brake band, and a spring active to engage said lever with said cam.

1,532,516. HORSE COLLAR. JACOB FRED SCHOELLKOPF, Dallas, Tex. Filed Apr. 5, 1924. Serial No. 704,329. 5 Claims. (Cl. 54—19.)



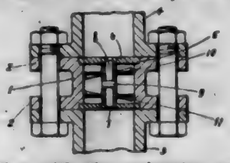
5. In a horse collar, an upper body cover, a lower body cover, a welt inserted between the edges of the covers, a line of stitches uniting the extreme outer edges of the covers with the welt which permits the covers to spread inwardly from the seam, and a thong laced around the seam and through the welt without compressing the covers.

1,532,517. REED STRUCTURE. GRANT SIPP, Paterson, N. J. Filed Dec. 6, 1924. Serial No. 754,248. 5 Claims. (Cl. 28—54.)



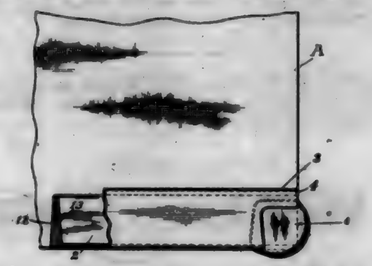
5. In combination, a supporting structure, a horizontally extending reed arranged and movable therein in an upright plane and including top and bottom horizontal bars and a post rigidly connecting them, and a brace extending from said structure and penetrated by and having the post slidable therein.

1,532,518. MIXER. STEWART SNELL and WILLIAM S. BRIDWELL, Indianapolis, Ind. Filed July 18, 1924. Serial No. 726,833. 1 Claim. (Cl. 48—180.)



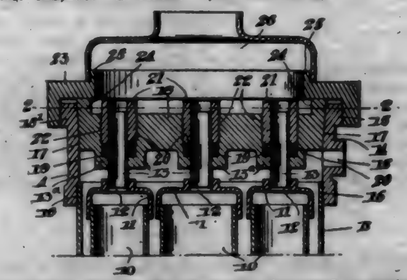
In combination with the carbureter and the intake manifold of an internal combustion engine, of a fuel mixer therebetween, comprising a gasket having a round bore communicating with the bores of the carbureter and the intake manifold and having flanges which are bolted to the flanges of the said carbureter and manifold, said gasket having its ends notched, plates seated in the notches and contacting with the ends of the carbureter and the manifold, a shaft journaled in central bearings in the plates and provided with a central hub, fans freely journaled on the shaft at the opposite sides of the hub, each of said fans having its blades struck at opposite angles whereby the said fans will turn in opposite directions, and said gasket having an air inlet port disposed adjacent to the fan nearest the manifold.

1,532,519. END CLIP FOR WINDOW SHADES. FRANK C. SYKES, San Francisco, Calif. Filed July 24, 1923. Serial No. 653,484. 2 Claims. (Cl. 156—31.)



2. A clip of the character described comprising an end section rounded in side elevation and also in cross section, and a pair of interspaced side sections formed integral with the end section, said side sections being resilient and forming gripping members, said side sections presenting parallel edges along one side and tapering edges along the other side.

1,532,520. HEATER. JOSEPH ALEXIS OVILA TERRIAULT, Ottawa, Ontario, Canada. Filed Apr. 14, 1923. Serial No. 632,175. 1 Claim. (Cl. 122—511.)



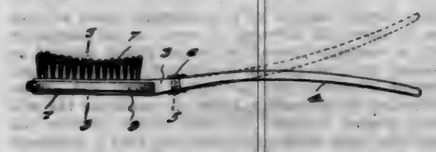
A heater top of the character described comprising, in combination with a heater body, a sleeve formed with an upwardly and outwardly sloped inner side, and cylindrical on the outside, and screw-threaded at its

lower end on the inside to engage with said body portion, a cover formed with a plurality of spaced downward extending extensions having openings therein to receive fire tubes and sloped inwardly on the outside from the top to fit into the sloped sides of the sleeve, and means between the walls of said extensions and the fire tubes designed to form water-tight joints for the fire tubes, nut coupling means adapted to engage with the outwardly threaded portion of the sleeve and the top of the cover whereby the cover is pressed downwardly and snugly held in position.

1,532,521. ALCOHOLIC SOLUTION OF ANIMAL PROTEINS AND METHOD OF PREPARING THE SAME. DAVID THOMSON, London, England. Filed Sept. 1, 1921. Serial No. 497,708. 3 Claims. (Cl. 167—7.)

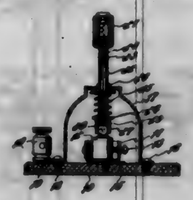
2. A method of producing alcoholic protein solutions which consists in subjecting a substance rich in animal protein to the action of a dilute alkali, next filtering, then adding dilute acid to cause precipitation, next separating the precipitate and dissolving it in dilute acid, and subsequently mixing the solution with a fluid containing alcohol in a strength of 60%.

1,532,522. TOOTHBRUSH. BENJAMIN F. WEAVER, Jr., Palmyra, Tenn. Filed Apr. 17, 1924. Serial No. 707,190. 1 Claim. (Cl. 15—172.)



A tooth brush of the class described comprising a brush head, the latter having a shank portion, a handle swivelly connected to said shank portion, means for holding said handle in adjusted position on said shank, said means comprising spring clips carried by the handle on opposite sides thereof and adapted for engagement with the adjacent portions of said shank.

1,532,523. DETECTOR. FRED WEINBERG, Schenectady, N. Y. Filed Aug. 11, 1923. Serial No. 656,809. 3 Claims. (Cl. 250—31.)



1. In a detector for wireless apparatus, the combination with a fixed crystal, of a movable arm, a contact wire carried thereby for contact with the fixed crystal, means whereby a crystal may be removably secured to the arm and means included in the securing means to provide a housing for the contact wire.

1,532,524. COMBINED CIRCUIT BREAKER AND FUSE RECEPTACLE. HARRY C. WENDLE, New Paris, and MERRIL HOLSOPPLE, Seanor, Pa. Filed June 16, 1922. Serial No. 568,713. 5 Claims. (Cl. 200—50.)

1. In a combined fuse and switch receptacle having pivoted knife switch and fuse terminals therein, a safety cover for said receptacle comprising sections hinged together and one of said sections being operatively connected with the knife switch, means carried by the other of said sections having a locking engagement with



the receptacle, and means for imparting a swinging movement to one of said sections on the hinge thereof and simultaneously imparting a relative sliding movement to both of said sections.

1,532,525. JUICE EXTRACTOR. WILLIAM C. YOUNKER and MIKE J. KELLY, Mason City, Iowa. Filed Mar. 10, 1924. Serial No. 698,268. 7 Claims. (Cl. 100—41.)



1. A device of the class described including a ring, a pair of sides attached to the ring, and a flexible member detachably connected to the lower ends of the sides.

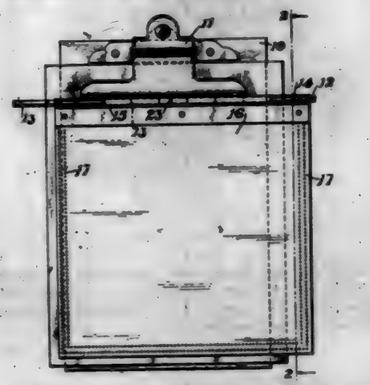
1,532,526. FURNACE GRATE. GIOVANNI ZACH, Pola, Italy. Filed Mar. 24, 1921. Serial No. 455,015. 2 Claims. (Cl. 126—152.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A grate including a plurality of notched bearing members, a series of parallel arranged grate bars carried by said members and having their ends engaging the notches of said members, each of said bars being of

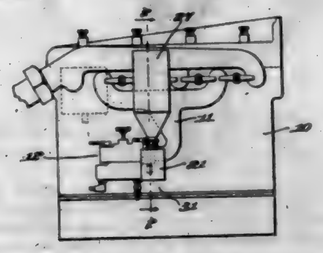
substantially U-shaped cross-section in order to provide channels adapted to receive and retain ashes, each of said grate bars being provided with a notch, and a flange connected to one of said bearing members and extending into the notches of the grate bars.

1,532,527. SLIDING COVER FOR TABLETS AND THE LIKE. ISABEL B. CASTO and REBECCA E. HOOPER, Half Moon Bay, Calif. Filed Feb. 23, 1924. Serial No. 694,588. 6 Claims. (Cl. 281—42.)



1. In combination with a pad of paper, a cover therefor, and means for mounting said cover upon a pad in a manner to permit the cover to be moved laterally of the pad, said cover being formed with a plurality of perforations through which a stylus point may be projected by which lines may be ruled on the paper as the cover is moved laterally of the pad.

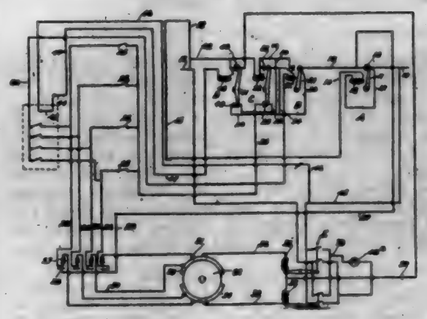
1,532,528. APPARATUS FOR REMOVING CARBON FROM INTERNAL-COMBUSTION ENGINES. PHILIPPE D. CORMIER, New Bedford, Mass. Filed Aug. 23, 1923. Serial No. 658,894. 6 Claims. (Cl. 123—25.)



1. In an apparatus of the class described, an engine; a receptacle for liquid adapted to be temporarily secured thereto; a reservoir mounted on said receptacle and adapted to supply said receptacle and arranged to maintain an approximately given level of liquid in said receptacle, said reservoir being removably attached thereto by a single quick detachable securing device; and an air intake adapted to be immersed in liquid contained in said receptacle and to draw said liquid into said engine.

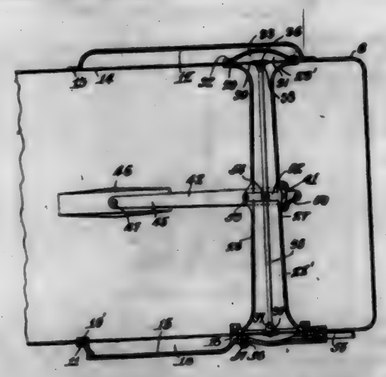
1,532,529. ELEVATOR SAFETY APPLIANCE. WALLACE E. DAY, San Francisco, Calif., assignor to Spencer Elevator Company, San Francisco, Calif. Filed Nov. 15, 1921. Serial No. 515,371. 3 Claims. (Cl. 187—29.)

2. An automatic elevator control including the combination with an elevator car adapted to travel along an elevator shaft and to stop at various floors, the elevator car being equipped with a normally closed door and the elevator shaft being provided with normally closed doors at the various floors, means for driving the elevator, a normally closed electric floor door circuit adapted to be broken when a floor door is opened, a normally closed car door circuit adapted to be broken when a car door is opened, normally opened floor door



button circuits adapted to be selectively closed at each floor to cause the elevator to travel to the respective floors, a normally opened car button circuit adapted to be closed to cause the car to travel to a selected floor, a circuit breaker in the car button circuit and a non-interference circuit having means for operating the said circuit breaker to open the floor button circuits and render the same inoperative from the time a passenger enters the car until he is leaving the car.

1,532,530. GAS INDICATOR FOR AUTOMOBILE DASHBOARDS. THOMAS M. EYNON, Philadelphia, Pa. Filed Mar. 17, 1921. Serial No. 453,165. 2 Claims. (Cl. 73—8.)



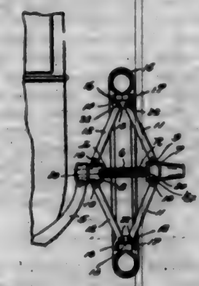
1. In a fluid pressure indicator for indicating the height of gasoline at an exterior point the combination of a tank, a bottom insert therefor having a relatively flat recess therein, a flat float adapted to fit into said recess in its lowermost position, a lever pivotally connected with said float whereby the float can lie flat upon the surface of the gasoline with variant angular directions of lever, a diaphragm, mechanical connections to operate said diaphragm from said lever and fluid connections operated by said diaphragm for indicating the height of the float.

1,532,531. TORPEDO. ACHILLE FABRIZIO, Elkton, Md. Filed Nov. 25, 1924. Serial No. 752,114. 2 Claims. (Cl. 102—25.)



2. A device of the character described including a pair of telescoping cups enclosing explosive material and having their side walls made of a series of layers of strip material with one edge of the strip bent inwardly to provide a flange, and a disk secured to the inner side of the flange.

1,532,532. COMBINED SPARE-TIRE-RIM CARRIER AND REMOVER. JOSEPH G. FAY, Seattle, Wash., assignor of one-fourth to James K. McDowell, Seattle, Wash. Filed Aug. 7, 1922. Serial No. 580,026. 5 Claims. (Cl. 224—29.)



1. In a combined carrier and contracting device for a demountable rim, a non-rotatable mandrel having right and left hand screw threads thereon, a rim carrier comprising two internally threaded hub elements mounted upon said mandrel and engaging the respective threads thereof, rim-engaging members, spokes connected to the respective hubs and members, and hook devices carried by said members for detachably connecting a rim thereto.

1,532,533. COLLOIDAL SUSPENSION. JAMES E. HARRIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 16, 1919. Serial No. 345,439. 28 Claims. (Cl. 250—27.)

1. A coating composition comprising colloidal particles of a salt of an alkaline earth metal in a colloidal solution.

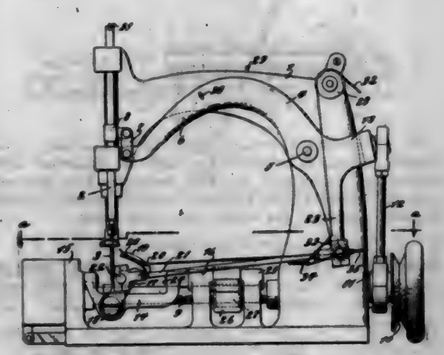
12. A thermionic coating comprising the carbonate of an alkaline earth metal in suspension in a colloidal solution.

1,532,534. LEADER AND METHOD OF MAKING THE SAME. EDWARD R. HEWITT, Midvale, N. J. Filed Jan. 28, 1922. Serial No. 532,512. 1 Claim. (Cl. 43—28.)



A silkworm gut leader composed of light transmitting material treated with metallic particles to make the leader opaque.

1,532,535. SEWING MACHINE. GUSTAV J. KILIGAR, Brooklyn, N. Y. Filed Dec. 9, 1921. Serial No. 521,078. 4 Claims. (Cl. 112—241.)



1. In a sewing machine, a frame, a reciprocating needle, a looper, means for reciprocating the needle, a link connected to said looper to operate the same and in turn reciprocated by said means in timed relation to the movement of the needle, a thread guide through which the thread passes to the looper movable with said link, a stationary thread guide through which the thread passes to the first guide, said stationary guide being disposed between the first guide and the looper, said frame having a third guide for directing the thread to the stationary guide and located further from the looper than the stationary guide but in the same direction.

1,532,536. CARD SUPPORT. CLAUDE W. KREBS, New York, N. Y. Filed July 5, 1924. Serial No. 724,462. 3 Claims. (Cl. 40—146.)



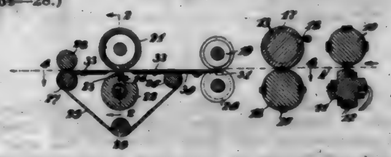
1. In a card support, in combination, a base, a non-flexible upright carried by the base, a flexible member carried by the non-flexible upright, a non-flexible member carried by the flexible member and means for holding a card carried by the last mentioned non-flexible member.

1,532,537. METHOD AND APPARATUS FOR CENTRIFUGAL CASTING. JAMES B. LADD, Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Nov. 28, 1922. Serial No. 603,756. 14 Claims. (Cl. 22—65.)



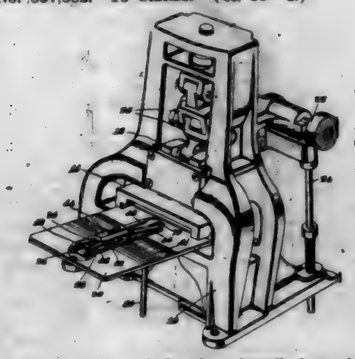
1. A centrifugal casting apparatus comprising a rotatable casing in combination with a segmental mold and means connecting the mold segments with the casing and whereby the segments can be moved radially towards and from the center line of the mold.

1,532,538. MANUFACTURE OF SHINGLE STRIPS. SAMUEL M. LANGSTON, Wenonah, N. J. Filed Dec. 20, 1922. Serial No. 608,113. 29 Claims. (Cl. 164—28.)



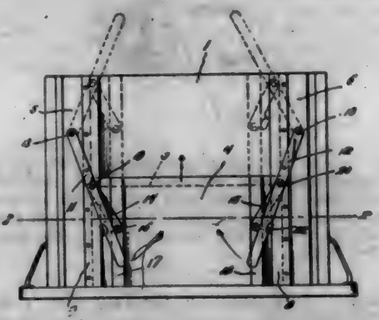
1. A machine for making shingle strips including rotary coacting members for forming a row of apertures in a sheet of material, a pair of rotary coacting members for slitting the sheet into strips along a line extending lengthwise of the sheet and intersecting said apertures to form one or more rows of laterally projecting tabs, and a pair of rotary coacting members for subdividing said strips transversely into sections of uniform length, said first mentioned members and said last mentioned member being driven at substantially the same peripheral speed, and said rotary members for slitting the sheet being driven at a higher peripheral speed.

1,532,539. MACHINE FOR TREATING VAMPS. HORATIO S. LYNESS, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 27, 1922. Serial No. 597,882. 16 Claims. (Cl. 33—4.)



1. In a machine of the class described, mechanism for ornamenting a vamp, means for locating the vamp to receive the ornamentation in the desired locality, and mechanism for indicating on the vamp in a predetermined relation to said ornamentation the point of attachment of an upper when the vamp is positioned for the ornamenting operation.

1,532,540. END-GATE CONSTRUCTION. RAY H. MCILWAIN, Jackson, Minn. Filed Oct. 16, 1924. Serial No. 744,019. 1 Claim. (Cl. 296—52.)



The combination with the end gate of a wagon body and having an opening in the lower portion thereof, a closure for the opening slidable on the end gate, means for raising and lowering the closure comprising a pair of levers pivoted at their upper ends to the end gate on the respective sides of the closure, a pair of links pivoted at their lower ends to the closure adjacent the respective sides of the closure, said links being pivotally connected to the intermediate portions of the respective levers, the free ends of the levers providing actuating handles, and means for limiting the downward swinging movement of the levers, said means comprising lateral extensions formed on the lower portions of the links, the free ends of the extensions terminating in hooks for engagement with the lower portions of the respective levers.

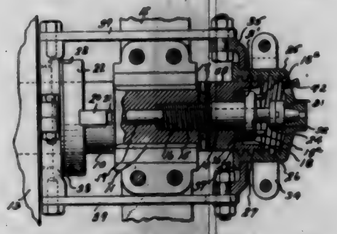
1,532,541. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. ALFRED F. MASURY, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 23, 1923. Serial No. 633,823. 5 Claims. (Cl. 267—54.)



1. A block of non-metallic yielding material for the purpose described adapted to be interposed operatively between two metallic parts which are to be connected thereby and having interstices formed on the faces with which the metallic parts engage.

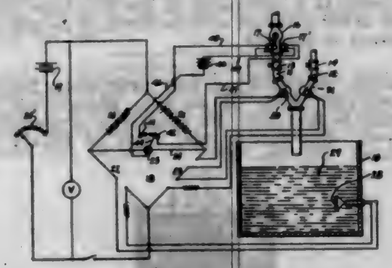
1,532,542. THRUSTING MECHANISM. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,498. 8 Claims. (Cl. 192—97.)

1. In combination, a shaft, a friction member mounted thereon, thrust-producing means for said friction member comprising a thrust pin extending axially of and beyond the shaft, a chambered cap screw threaded on its interior enclosing the end of said pin, a bearing member carried by said cap and adapted to engage the end of said pin, means for moving said cap longitudinally of the axis of said shaft and thereby moving said thrust pin, and means provided with screw-threads engaging



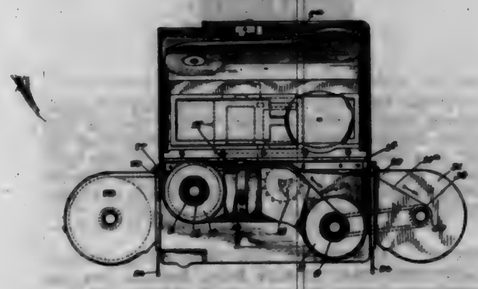
with the screw-threads of said chambered cap for resisting the movement of said thrust-producing mechanism, said cap serving as a receptacle for lubricating material.

1,532,543. CONTROLLING AND TEMPERATURE-COMPARING SYSTEM. RALPH W. NEWCOMB, Green Village, N. J. Filed May 28, 1924. Serial No. 716,356. 7 Claims. (Cl. 236—12.)



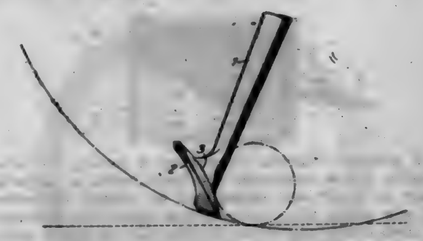
4. A bridge circuit comprising legs and a bridging portion having a measuring instrument therein, one of said legs comprising a thermometer resistance and an adjacent leg comprising two thermometer resistances in series.

1,532,544. ATTACHMENT FOR CAMERAS. HUGO NEWMAN, New York, N. Y. Filed Aug. 1, 1922. Serial No. 578,863. 13 Claims. (Cl. 88—17.)



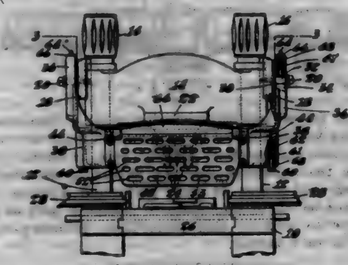
1. A camera comprising a casing, rotatable means mounted within the casing, a film magazine detachably connected to the outside of the casing and having a rotatable axle, and means connecting said axle to said rotatable means.

1,532,545. GOLF CLUB. WALTER B. PROBASCO, Mount Vernon, N. Y. Filed Dec. 11, 1923. Serial No. 679,916. 4 Claims. (Cl. 273—77.)



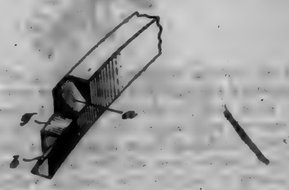
1. A golf club having its striking face convex, set at an angle oblique to the axis of the shaft and facing upwardly.

1,532,546. GUARD DEVICE. JOSEPH H. POPE, Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 8, 1919. Serial No. 322,523. 28 Claims. (Cl. 74—105.)



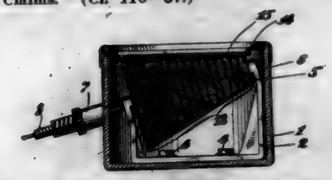
5. In a heeling machine, a movable head, drivers secured thereto, a carrier depending at each side of the head, and a wall fixed to the carriers and guarding the drivers.

1,532,547. PISTON RING. JOHN ERNEST PRUYN, New York, N. Y. Filed Nov. 17, 1919. Serial No. 338,488. 1 Claim. (Cl. 74—109.)



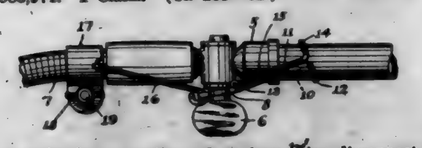
A piston ring having each of its ends provided with two inclined surfaces whose inclinations are in opposite directions and transversely of the ring, both of said surfaces extending from approximately the middle of one vertical wall of the ring and thence to a point adjacent the opposite upper and lower corners respectively thereof, and a horizontal rectangular surface intervening between the two inclined surfaces and having one of its edges at the middle of the vertical wall in which said inclined surfaces begin.

1,532,548. SPEEDOMETER. GEORGE RAMSEY, Brooklyn, N. Y. Filed Aug. 22, 1921. Serial No. 494,052. 20 Claims. (Cl. 116—57.)



2. A speed indicator comprising a frame, a colored rotative means associated with said frame, a rotatable shaft by which said means may be rotated, the colors on said means being complemental colors and arranged to blend due to persistence of vision and to appear white when said means is rotated at greater than a predetermined speed of rotation, said colors being arranged in bands with the cumulative color values in the bands being so proportioned that the bands progressively appear to turn white as the speed of said means is increased, a face plate provided with a window to expose a part of said member.

1,532,549. SAFETY HOSE CLAMP. NELSON RAMSIER, Arlington, N. J. Filed Aug. 24, 1922. Serial No. 583,974. 1 Claim. (Cl. 285—82.)



A device for preventing a hose from being disconnected from a gas fixture having in combination a collar, means on said collar to clamp it to said hose, a slotted plate to engage the handle of said gas fixture, arms pivotally connecting said collar to said plate and another pair of arms connected to said plate to engage a part of said gas fixture to prevent said plate from becoming disengaged with said handle.

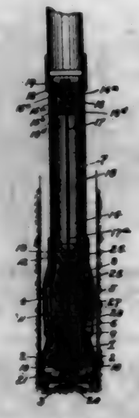
1,532,550. IRONING MACHINE. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1920. Serial No. 422,460. 1 Claim. (Cl. 68—9.)



In an ironing machine, an ironing roll, a movable shoe cooperating therewith, a gas burner pipe passing through said shoe and rotatably mounted therein, and means for moving said shoe into and out of engagement with said roll including cams mounted on and rotatable with said gas burner pipe whereby the flames from the latter are caused to impinge the working wall of the shoe when the latter is in ironing position and will be directed away from the working wall of the shoe when the latter is out of ironing position.

1,532,551. ROTARY DEEP-WELL-DRILLING APPARATUS. CLARENCE E. REED, Houston, Tex., assignor to Reed Roller Bit Company, a Corporation. Filed June 18, 1920. Serial No. 389,890. 20 Claims. (Cl. 255—71.)

1. In a deep well rotary drilling apparatus, the combination of a drill head, roller cutters including a cross roller cutter arranged with its axis extending transverse to the axis of the rotary drilling apparatus, a lubricant holder, means for feeding lubricant therefrom to the bearings of the roller cutters and a connection from the



cross roller cutter to said feeding means for operating the same, as a consequence of the cross roller cutter being driven by contact with the bottom of the hole substantially as described.

1,532,552. LUBRICATOR FOR DEEP-WELL DRILLS AND THE LIKE. OSWALD DUDA, Houston, Tex., assignor to Reed Roller Bit Company, a Corporation of Texas. Filed June 8, 1920. Serial No. 387,478. 26 Claims. (Cl. 255—71.)

1. A tool for boring deep wells comprising a member carrying rotary cutting elements, a stem carrying said member and through which flushing fluid flows when the drill is in operation, a lubricant reservoir, a part operated by the flow of flushing water and means actuated thereby to effect the feed of the lubricant from the reservoir to the bearings of said cutting elements.

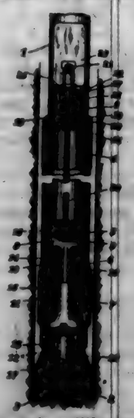
1,532,553. LUBRICATOR FOR DEEP-WELL DRILLS AND THE LIKE. OSWALD DUDA, Houston, Tex., assignor, by mesne assignments, to Reed Roller Bit Company, a Corporation of Texas. Filed Feb. 2, 1923. Serial No. 616,576. 7 Claims. (Cl. 255—71.)

1. The combination with a drill stem, a rotary cutter and a carrier in which it is journalled, of a lubricator comprising a barrel, a detachable cap, a piston in the barrel, a screw shaft for operating the piston, an actuator carried by the shaft and a base member for the barrel having water and lubricant passageways therethrough, and a socket closed at its bottom and receiving



the plain lower end of the screw shaft removably, and a thrust bearing at the upper end of the screw shaft beneath the cap.

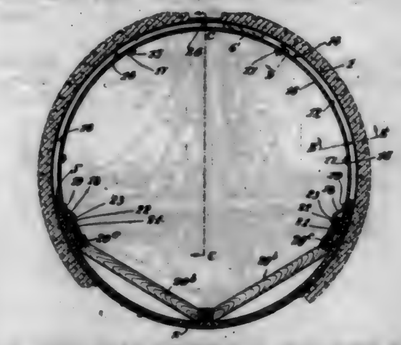
1,532,554. LUBRICATOR FOR DEEP-WELL DRILLS AND THE LIKE. OSWALD DUDA, Houston, Tex., assignor to Reed Roller Bit Company, a Corporation of Texas. Filed Oct. 21, 1922, Serial No. 596,109. Renewed Sept. 12, 1928. 4 Claims. (Cl. 255—71.)



4. In rotary deep well drilling apparatus, a lubricant holder within the drill, a piston for forcing the lubricant therefrom, and means for operating the piston, said means including a member retarded in respect to the rotary motion of the apparatus and the piston by contact with the flushing fluid in the drill, and means for translating the difference between the rotative movement of the piston and the said means into a longitudinal movement of the piston, substantially as described.

1,532,555. STEEL FORM FOR AND METHOD OF APPLYING CEMENT LININGS TO PIPE LINES, TUNNELS, ETC. JOSEPH T. RICH, Kingston, N. Y. Filed Sept. 28, 1924. Serial No. 739,405. 28 Claims. (Cl. 25—131.5.)

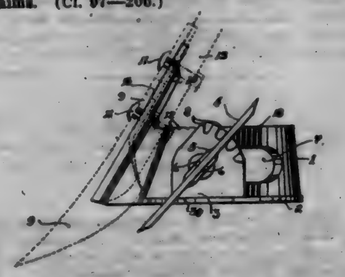
1. In forms for lining with cement pipe lines and the like, longitudinal bottom and side invert plates demountably fastened; arch plates and arch ribs, demountably fastened, supporting and wedging means at the abutments thereof; and means to space the outside periphery of the plates a predetermined distance from the inner periphery of the pipe line.



25. The herein-described process of applying to metal conduits an interior lining of mortar, which consists of first enclosing the ends of a plurality of lower clearance-spaces, then covering alternate clearance-spaces with sheet-metal forms which extend less than half-way up the sides of the pipe, then by wedging-action forcing said forms into the desired curvature and securely maintaining them in their adjusted position, then filling said enclosed alternate spaces with mortar and allowing it to set, next similarly covering and wedging and then filling said intervening spaces, then enclosing the complementary overhead space by means of contiguous overhead forms of sheet metal, next by wedging-action forcing said overhead forms into the desired curvature and securely maintaining them in their adjusted position, and finally filling said overhead space with mortar and allowing it to set.

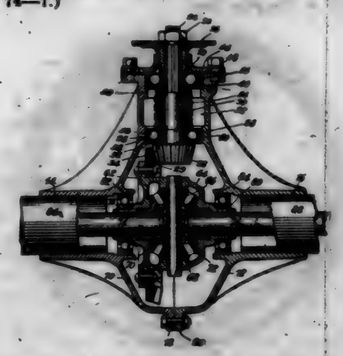
28. A flexible mold-form of sheet-metal having a set of spacing-studs projecting from one face, for use in applying to pipes a lining such as of mortar, in combination with wedging-means for forcing said form into the desired curvature and maintaining the same in its adjusted position, and spacing-bulkheads for closing the ends of the clearance-space enclosed by said form.

1,532,556. WING-SWEEP ATTACHMENT FOR PLOWS. M. T. SKINNER, Cleburne, Tex., assignor to Skinner Horse-Hoof Combination Sweep Co., a Corporation of Delaware. Filed May 31, 1924. Serial No. 716,958. 3 Claims. (Cl. 97—206.)



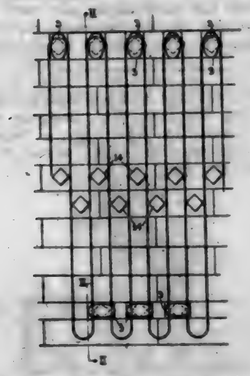
1. A wing sweep attachment for plows having a circular hoof shaped band with a tongue portion, the collar projecting upwardly and inwardly in an oblique line to the band; said tongue portion laterally curved on a line with the annular shape of the band to provide an interiorly curved recess to receive a plow foot to prevent its lateral play; means for adjustably affixing wing sweeps to the band, means for rigidly locking said sweeps thereto and means for marking the angle on each side of the band to which the sweeps are to be set.

1,532,557. REAR AXLE. ALFRED T. STURR, Flint, Mich., assignor to William C. Durant, New York, N. Y. Filed Sept. 15, 1922. Serial No. 588,336. 6 Claims. (Cl. 74—7.)



1. A device of the kind described which comprises a rear axle shaft and a transmission shaft at right angles thereto, a housing for said rear axle shaft comprising two complementary parts having alined bearing supports for the rear axle shaft and a neck portion extending at right angles to the axle shaft adapted to support bearings for the transmission shaft, a bearing for the transmission shaft which comprises a bearing rigidly mounted in said housing, a pinion on said transmission shaft, a bearing slidably mounted in said housing and adapted to bear against said pinion, a spring between said bearings and means for drawing said pinion and slidable bearing against the pressure of said spring.

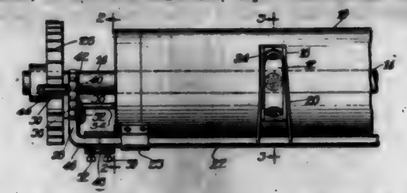
1,532,558. RESISTANCE-HEATER SUPPORT. RANDAL E. TALLEY, Irwin, Pa., assignor to George J. Hagan Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 4, 1922. Serial No. 579,627. 6 Claims. (Cl. 204—64.)



1. A stud for holding a resistance heater in proper position in a furnace and adapted to be secured to the wall of a furnace, and provided with a knife-edge forming the bearing for the resistance heater.

1,532,559. YARN-DYEING DEVICE. GEORGE T. THOMAYER, Albany, N. Y., assignor to Fuld and Hatch Knitting Company, a Corporation of New York. Filed May 15, 1924. Serial No. 713,530. 11 Claims. (Cl. 8—19.)

1. Apparatus of the type described which comprises, a dye tank, dye applying means in said tank, a rock shaft, a yarn guiding finger on said shaft, a toothed wheel, an arm on said shaft, a pin on said arm riding



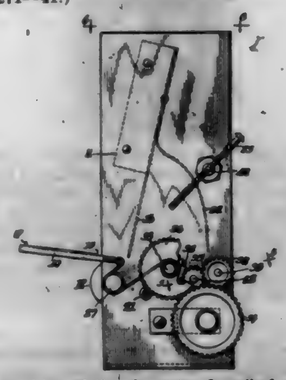
on said toothed wheel, and means for adjusting the position of said pin on said arm.

1,532,560. DOOR MECHANISM. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to J. Edward Ogden, Mountainville, N. Y. Filed Oct. 11, 1922. Serial No. 593,710. 12 Claims. (Cl. 20—19.)



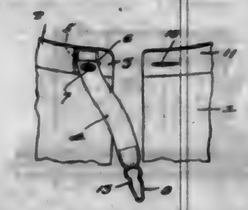
5. A door arranged for vertical and lateral movement, counterbalancing mechanism therefor and means for furnishing an additional counterbalancing effect during the break out movement including link supporting and swinging means comprising a plurality of inter-connected links foldable one on the other during the initial break out movement.

1,532,561. LABELING MACHINE. JOHN VAN BUREN, New York, N. Y., assignor to American Chicle Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 23, 1920. Serial No. 412,848. 33 Claims. (Cl. 271—41.)



1. A machine of the character described comprising, in combination, means for feeding a stream of sheets in overlapped relation, and means for imparting accelerated movement to the leading sheet of the stream to prevent interference between the leading sheet and a following sheet.

1,532,562. ATTACHMENT FOR THE NECKBANDS OF SHIRTS. MIKE VANSON, Plymouth, Pa. Filed June 19, 1924. Serial No. 720,998. 1 Claim. (Cl. 2—127.)



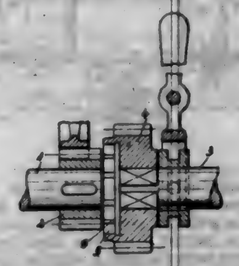
A shirt having a neck band provided with button holes, a strip of flexible material passing through one of the button holes and attached to the neck band, an eyelet passing transversely through the strip and spaced from the neck band, a continuous loop carried at the free end of the strip, said loop being formed from wire and having a circular end portion, and a pointed end portion and inwardly bowed portions provided at the sides of the loop between the circular and pointed end portions thereof.

1,532,563. ELECTRIC SWITCH. FREDERICK E. VOIGT, Los Angeles, Calif., assignor to Voigt Automatic Direction Signal Co. Filed Mar. 16, 1922. Serial No. 544,289. 2 Claims. (Cl. 200—59.)



1. The combination with the steering mechanism of a vehicle, of a collar secured to the post thereof, a second collar secured to the steering wheel thereof, a ring member interposed between said collars adapted for rotary reciprocatory movement around the post of the steering mechanism, adapted to be yieldingly locked to said first and second mentioned collars, means for operating said ring member independently of said collars, and switch mechanism associated with said collars and ring member whereby upon a movement of either the first mentioned collar or said ring member electrical contacts will be made.

1,532,564. COUPLING. GRAF ALFRED VON SONNEFRAUNHOFEN, Friedrichshafen, Germany, assignor to Zahnradfabrik Aktien-Gesellschaft, Friedrichshafen, Germany. Filed Aug. 13, 1921. Serial No. 492,145. 5 Claims. (Cl. 192—108.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



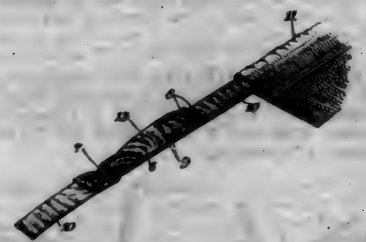
1. In a coupling in combination, a spur wheel, an internally toothed clutch member, forming the coupling members, means for moving said clutch member in and out of intermeshing relation with said spur wheel, the teeth on said member being so proportioned that the gaps between the teeth of said internally toothed clutch member embrace each more than one tooth of said spur wheel.

1,532,565. VEHICLE SPRING. OTTO CHARLES WINKSTOCK, Perkinsville, Vt. Filed Jan. 31, 1924. Serial No. 689,622. 1 Claim. (Cl. 267—47.)



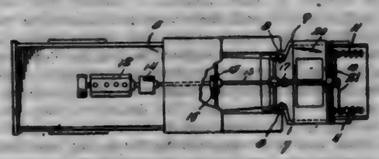
A vehicle spring comprising a plurality of spring leaves and a series of unattached rubber strips inserted therebetween.

1,532,566. BODKIN AND FASTENER. EMMA NOLAN YOUNG, New York, N. Y. Filed Sept. 21, 1922. Serial No. 589,567. 2 Claims. (Cl. 24—150.)



1. As a new article of manufacture, a buckle comprising a pair of spaced-apart legs connected to each other at one end by a transverse member, the legs being of sufficient length to permit the device to be used as a bodkin, the other ends of the legs being bent upon themselves to form hooks having straight portions of substantial length which overlie the legs, the hooks being of sufficient length to pass through a band from back to front and from front to back and underlie the projecting end of the band when straightened, whereby the said end of the band will act as a protector for the points of the hooks.

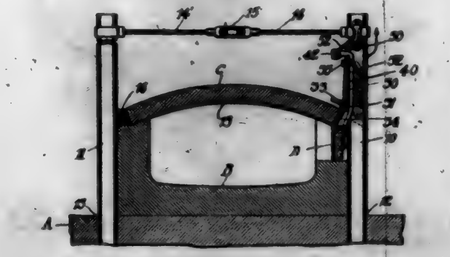
1,532,567. HIGHWAY SNOWPLOW. ROBERT A. ALDINGER, Town Line, N. Y. Filed Mar. 25, 1924. Serial No. 701,806. 2 Claims. (Cl. 37—42.)



1. In a snow plow, a frame adapted to be pivotally mounted upon the forward end of said vehicle, a frame embodying spaced parallel downwardly inclined arms, an open ended snow scoop arranged between the free ends of the arms and inclined downwardly, a bearing supported above said frame, a horizontal driven shaft jour-

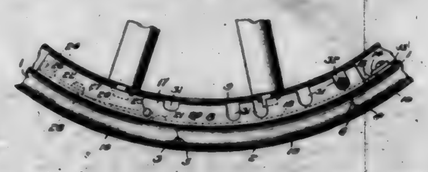
naled in said bearing, an exposed rotary bladed fan carried by said shaft, the blades of said fan sweeping across the open inner end of said scoop when the fan is operated, and rotary screws mounted in said scoop adjacent the opposite side walls thereof.

1,532,568. SKEWBACK FOR FURNACES. FRANK L. ANTISELL, Perth Amboy, N. J. Filed Apr. 28, 1923. Serial No. 635,196. 5 Claims. (Cl. 263—46.)



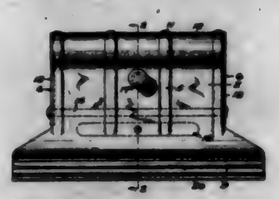
1. In a furnace having an arched roof and upright buck stays, a supporting skew back having an upright plate resting against said buck stays, a rib projecting from said plate opposite said buck stays and a downward extension of said plate below said rib inclined in a plane at a right angle to the thrust of said arch.

1,532,569. AUTOMOBILE TIRE RIM. EDGAR L. AVERA, Fort Valley, Ga., assignor to Interlocking Toggle Rim Company, Inc., Fort Valley, Ga., a Corporation of Georgia. Filed May 5, 1924. Serial No. 711,221. 8 Claims. (Cl. 301—31.)



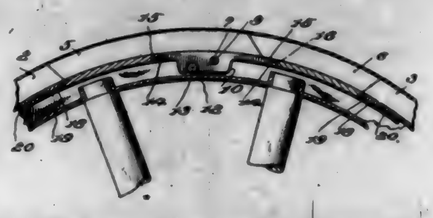
1. A tire supporting rim comprising a major rim section having a gap therein, a detachable rim section adapted to fill said gap to complete said rim, each of said rim sections having oppositely disposed circumferential flanges united by an intervening base portion, and means movably attached to one of said rim sections and adapted to engage the other rim section for constituting with said detachable rim section a toggle mechanism operable to force said detachable rim section into said gap, said detachable rim section having a circumferentially disposed extension projecting beyond the adjacent ends of the flanges of said detachable section and formed with a plurality of end faces arranged at unequal radial distances from the center of the rim and in stepped relation, and said major rim section having its base portion provided with a slot for receiving a portion of said extension in circumferential alignment with the said end face which is farthest from the center of the rim and also having on its inner side a lip spaced circumferentially from said slot and radially from the base portion of the major rim section to thereby form a recess for receiving a portion of said extension in circumferential alignment with the said end face which is nearer the center of the rim, said lip and said extension constituting means for interlocking the adjacent ends of said rim sections so as to prevent relative radial and transverse movements thereof.

1,532,570. SCRAPER. PIERRE BASMAISON, San Francisco, Calif. Filed Feb. 12, 1923. Serial No. 618,431. 3 Claims. (Cl. 145—47.)



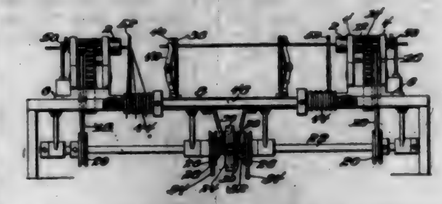
1. A scraper comprising a pair of pivotally connected jaws, a facing of conformable material on the inner surface of each jaw, a blade disposed between the jaws and having a rolled edge adapted to seat in said conformable material, and means for clamping the jaws on the blade.

1,532,571. AUTOMOBILE TIRE RIM. JOHN A. BEDINGFIELD, Fort Valley, Ga., assignor to Inter-Locking Toggle Rim Company, Houston County, Ga. Filed June 1, 1922. Serial No. 565,116. 12 Claims. (Cl. 301—32.)



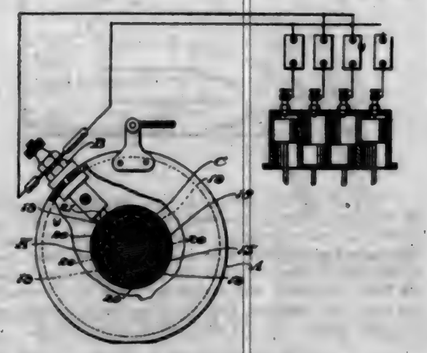
1. A tire supporting rim comprising a section having an open portion or gap therein, a detachable rim section composed of relatively short sections having their free ends extending into and secured within the said open portion for completing the rim, and a hinge connection for the inner ends of said relatively short sections, said detachable rim section having portions arranged at the inner ends of the short section and adjacent said hinge connection for forming circumferentially spaced abutments adapted to provide a driving connection between said rim and the wheel to which it is applied.

1,532,572. YARN-SPLICING MACHINE. FRANKLIN W. BRAYSTEN, Central Falls, R. I., assignor to Manville Jenckes Company, Pawtucket, R. I., a Corporation of Rhode Island. Filed May 27, 1923. Serial No. 564,142. 6 Claims. (Cl. 117—6.)



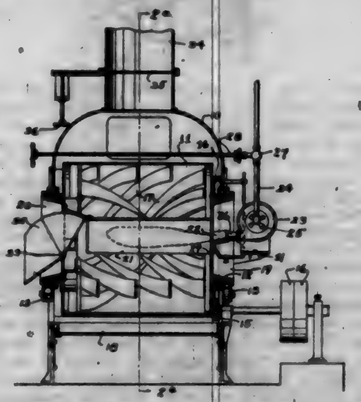
1. A yarn splicing machine having, in combination, two opposed longitudinally slotted twister spindles each provided with a pinion, a gear engaging each pinion and provided with a pulley, a driving shaft provided with pulleys connected with the gear pulleys by open and cross belts respectively, and mechanism under the control of the operator for selectively driving the shaft in opposite directions.

1,532,573. TIMER. CARL O. BRUNO, Chicago, Ill., assignor to Bigelow-Bruno Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 8, 1922. Serial No. 533,953. 5 Claims. (Cl. 200—26.)



4. A timer comprising a commutator adapted for connection to and rotation with a cam shaft, a casing arranged concentrically of the commutator, a pair of brushes mounted in the casing at one side of a diameter thereof, and segments in the commutator so arranged that when the latter is rotated each brush will successively engage two segments, and alternately with respect to the other brush.

1,532,574. ROASTER. WILLIAM G. BURNS, New York, N. Y., and HARRY RUSSEL MAXON, Muncie, Ind., assignors to Jabez Burns & Sons, a Corporation of New York. Filed Sept. 15, 1922. Serial No. 588,414. 17 Claims. (Cl. 34—5.)



2. In a roaster for coffee and like food products, the combination with means for producing a homogeneous elongated flame, of a container for material, and means for discharging the material in a sheet extending lengthwise of and adjacent said flame.

1,532,575. TRAFFIC SIGNAL AND SIGNBOARD. ANDREW B. CAMDEN, Durant, Okla., assignor, by direct and mesne assignments, to Joseph W. Allen and S. H. Allen, both of Temple, Tex. Filed Mar. 20, 1924. Serial No. 700,694. 1 Claim. (Cl. 40—39.)

In a device of the character described, a base, a stationary supporting shaft rising from the base, a sleeve rotatable upon said shaft, upper and lower end thrust bearings for said sleeve, upper and lower spiders carried by said sleeve and rotatable therewith, braces connected with elements of the lower thrust bearing and with the lower spider, the upper spider including arms formed with holes and the lower spider including arms formed with sockets, and sign plates having upper and lower trunnions engaged within said holes and sockets respectively, the upper edges of the sign plates terminating considerably below the upper spider whereby the sign plates may be moved upwardly to effect disengagement of the lower trunnions from the sockets and may then be subsequently moved downwardly to disengage the upper trunnions from within said holes.



1,532,576. GAME APPARATUS. GUSTAVE O. CARLSON, Wethersfield, Conn., assignor of one-third to Henry Hanson, Middletown, Conn., and one-third to Carl O. Hedstrom, Portland, Conn. Filed June 13, 1924. Serial No. 719,908. 5 Claims. (Cl. 273—100.)



4. In a game apparatus, a stake, and one or more collapsible rings composed of a plurality of interlocking links.

1,532,577. METHOD OF MAKING THE ARSENATE OF CALCIUM AND ANALOGOUS ELEMENTS. JOSEPH F. CULLEN, Midvale, Utah, assignor to United States Smelting, Refining & Mining Company, a Corporation of Maine. Filed Oct. 15, 1919. Serial No. 330,910. 9 Claims. (Cl. 23—53.)

1. The method of making arsenate or arsenates of alkalis earth metals which consists in mixing arsenic trioxide and a sufficient quantity of a hydroxide-forming compound of such metals to combine with the arsenic trioxide to form arsenites of such metals and causing the formation of such arsenites, and oxidising the arsenites to arsenates without material volatilization of arsenic by heating to high temperature in the presence of air.

1,532,578. METHOD OF MAKING THE ARSENATE OF CALCIUM AND ANALOGOUS ELEMENTS. JOSEPH F. CULLEN, Midvale, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me., a Corporation of Maine. Original application filed Oct. 15, 1919, Serial No. 330,910. Divided and this application filed Feb. 12, 1925. Serial No. 8,678. 5 Claims. (Cl. 23—53.)

4. The method of making insecticide arsenate or arsenates of alkali-earth metals which consists in the oxidation at high temperature of arsenic trioxide and a hydroxide-forming compound of such metals mixed in substantially the proportions of their combining weights, and reducing the water solubility by additional hydroxide-forming compound.

1,532,579. METHOD OF TREATING PAPER. JUDSON A. DE CEW, Mount Vernon, N. Y. Filed June 19, 1923. Serial No. 646,480. 1 Claim. (Cl. 92—20.)

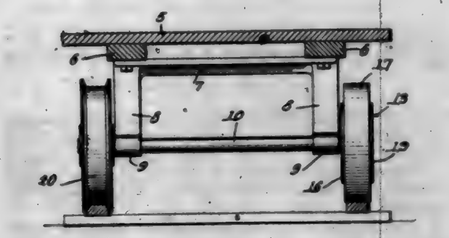
The process of treating paper-making fibres to be used in a slack sized paper, to render them more astringent, which consists in bringing them into contact before or during the paper-making process with an aqueous solution of calcium sulphate in which there is more calcium sulphate than in natural mill water, but not enough to act as a filler for the paper.

1,532,580. TIRE TOOL. ULYSSES G. EDWARDS, Grandview, Wash. Filed Sept. 23, 1924. Serial No. 739,849. 2 Claims. (Cl. 157—6.)



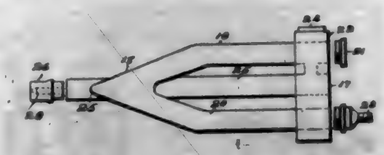
1. A tire tool comprising a pair of plier-connected members each being formed of a flat bar, the operating end of one of the bars being wedge-shaped and being provided at the side face thereof next adjacent the other of the bars with a notch, the other of the bars having its end portion tapered, and bent to one side to engage in the notch.

1,532,581. SAWMILL-CARRIAGE WHEEL. JOSEPH ELKINS, Blytheville, Ark. Filed Sept. 29, 1924. Serial No. 740,565. 2 Claims. (Cl. 295—10.)



1. In a saw mill carriage, an axle, a wheel having a grooved periphery mounted to rotate on the axle, a wheel on the opposite end of the axle, the last mentioned wheel including a hub section secured to the axle to move therewith, and a removable outer section mounted on the hub section and adapted to revolve around the hub section.

1,532,582. OIL BURNER. JAMES H. GRADEN and ZACK E. GRADEN, Ellenwood, Ga. Filed Oct. 27, 1922. Serial No. 597,280. 2 Claims. (Cl. 158—63.)



1. An oil burner having a fuel chamber and means for supplying fuel to the said chamber, said means comprising a hollow casing, a V-shaped tube having its ends in communication with the casing, fuel inlet means at one end of the V-shaped tube, an outlet tube extending from the casing and having its outer end penetrating the said fuel chamber, and valve means associated with the said casing and the said outlet tube thereof.

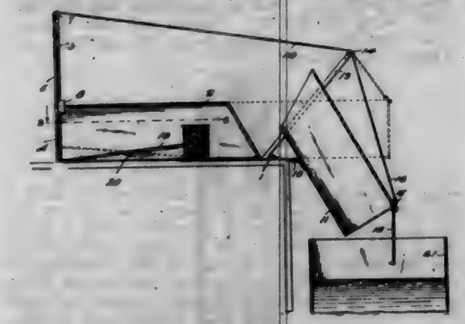
1,532,583. COMBINED TAIL LIGHT AND DIRECTION INDICATOR. RALPH A. GUTMON, Springfield, Ill. Filed Apr. 10, 1924. Serial No. 705,552. 1 Claim. (Cl. 116—45.)



A direction indicator comprising a bracket, a lamp housing mounted upon the bracket and having means for supporting a number plate, a bulb disposed within the housing, a cylindrical casing supported from the housing and having its end walls spaced from the end walls of the housing, said casing being provided at its side with an opening which is disposed opposite the plate supporting means of the housing, shutter members nested one within the other and having openings adapted to be moved to register with the opening in the casing, said shutter members having angularly disposed arms which are pivotally connected with the housing at the end walls thereof and which are disposed in the spaces between the end walls of the housing and the end walls of the casing and pull cables connected with the arms and passing through the side of the casing.

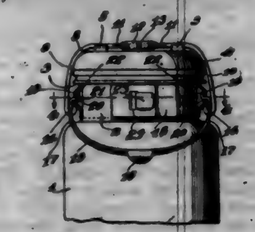
1,532,584. TRAP. OSCAR HANSON, Warder, British Columbia, and OTTO STJORNSTROM, Calgary, Canada. Filed Sept. 4, 1920. Serial No. 408,402. 1 Claim. (Cl. 43—76.)

A device of the class described comprising a fixed section, a movable section hingedly mounted adjacent said fixed section so as to move in and out of alignment therewith, a door slidably mounted on said fixed section, a cable connecting said door with said movable section and the weight of said door being sufficient to normally hold said movable section in alignment with said fixed section, said cable being only long enough to allow the door to partially close when the movable section is in alignment with the fixed section, and a



platform rockably mounted in the fixed section so as to close the opening allowed by the door when closed in the manner and for the purpose specified.

1,532,585. FASTENING DEVICE FOR JAR TOPS. LEWIS O. CULVER, West Pittstown, Pa. Filed Oct. 15, 1923. Serial No. 668,547. 3 Claims. (Cl. 215—37.)



1. In combination with a top and jar; projections on the top having aligned notches; a sectional fastening yoke engaging within the notches; means adjustably connecting the sections between the projections, and means on the jar connected with the fastening yoke for locking it in position, the first-named means being spaced from the top whereby it may be manipulated to adjust the yoke while in the locked position.

1,532,586. TROUSERS STRETCHER. MAX DIETRICH, Halle-on-the-Saale, Germany, assignor to Anton Schmid, New York, N. Y. Filed Nov. 14, 1923. Serial No. 674,619. 4 Claims. (Cl. 223—19.)



1. In a trousers stretcher, an extensible framework comprising a pair of longitudinally extending members and a pair of transversely extending members, each of said transversely extending members consisting of a pair of relatively movable sections, slidably interconnected in overlapping relation, a contractile spring coiled about the overlapping ends of said sections to normally hold said framework in extended position, one of said sections being provided with a groove and the other of said sections being provided with a pivotally mounted finger grip having a pin secured thereto, said pin being adapted to engage within said groove to hold said framework against the action of said spring in a closed position.

1,532,587. FURNITURE POLISH. WILLIAM F. HAYES and JOHN N. ARMSTRONG, Mineral Wells, Tex., assignors of one-third to B. E. Chapman and one-third to H. H. Milling, both of Mineral Wells, Tex. Filed Dec. 6, 1924. Serial No. 754,409. 1 Claim. (Cl. 134—24.)

A furniture polish consisting of paraffin oil, 5 gallons; linseed oil, 20 ounces; rosin, 1½ pounds; oil of bay, 1½ ounces; and turpentine, ½ gallon.

1,532,588. PARACHUTE. OTTO HEINECKE, Berlin, Germany. Filed Apr. 13, 1921. Serial No. 461,174. 5 Claims. (Cl. 244—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

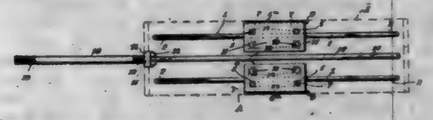


5. A parachute for aviators having a central air-hole at the apex thereof, a rope of convenient length attaching said parachute to the aircraft and adapted to bring said parachute into the position for opening after it has dropped far enough to be clear of the aircraft, a weak rope connecting with the parachute to one end of the rope attached to the craft, an envelope attached to the belt of the aviator, a lid for said envelope having a hole through which said weak rope passes, eyes on said lid and on the lower part of the envelope, a wire bent to form an open circle drawn through said eyes of said lid and envelope to fasten the lid to the envelope and attached between said attaching rope and said weak rope, substantially as described and for the purpose set forth.

1,532,589. CONCRETE AND METAL CROSSTIE STRUCTURE. VAN RENSSELAER CHOATE KING, Radnor, Pa., assignor to King's Concrete Cross Tie Corporation, New York, N. Y., a Corporation of New York. Filed June 21, 1924. Serial No. 721,897. 12 Claims. (Cl. 238—92.)

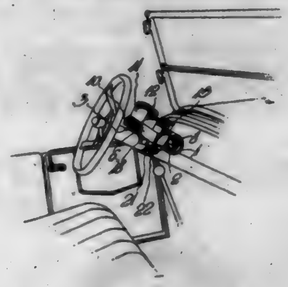
9. In a concrete and metal railway cross tie structure, the combination with an embedded reinforcing rod and a downwardly flanged, rail, clamp bearing and corner

guard plate having a threaded clamp bolt receiving socket of an upstanding anchor rod fixed to said plate and also to said reinforcing rod, the flanged plate bearing on the



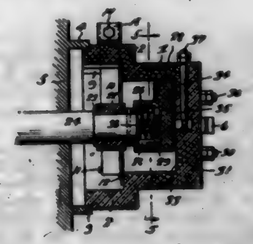
top margin and also on the upper side margin of the concrete and being spaced apart from the reinforcing rod by intervening concrete in which the anchor rod is encased.

1,532,590. COMBINATION SMOKING SET AND ADVERTISING DEVICE. HALMER C. KITTELSON, Minneapolis, Minn., assignor to Rasmus O. Olson, Minneapolis, Minn. Filed Apr. 17, 1924. Serial No. 707,199. 7 Claims. (Cl. 206—31.)



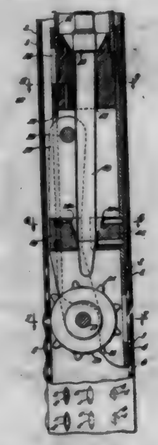
1. An article of manufacture comprising a horizontally elongated tubular container, a horizontally disposed channel-shaped holder at one side of and secured to said container, and an ash receptacle frictionally held in a portion of said holder, leaving the remainder thereof unoccupied for the reception of other articles, such as a box of matches and a package of cigarettes.

1,532,591. IGNITION TIMER. EUGENE KROKAVETZ, Cleveland, Ohio. Filed Apr. 19, 1923. Serial No. 633,208. 1 Claim. (Cl. 200—21.)



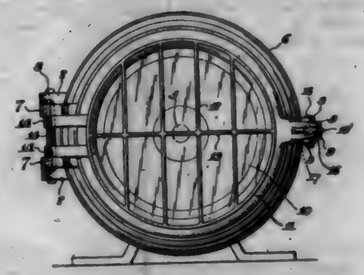
The combination with a timer casing having contacts in the end wall and an opening in the side wall thereof, of a shaft projecting into the casing, a distributor block mounted on the shaft and cooperating with said contacts, a spring between the end of the shaft and the block, pressing the latter axially against said contacts, the shaft being provided with a hollow cam member on the end thereof which fits within the distributor block, and the spring being confined within said hollow member, and a breaker arm mounted within the casing and projecting thru said opening, said breaker arm being operated by the cam and cooperating with a breaker point on the outside of the casing.

1,532,592. MEANS FOR FORMING WELL SCREENS. MARLON E. LAYNE, Houston, Tex., assignor to Layne & Bowler Corporation, Los Angeles, Calif., a Corporation of California. Original application filed Apr. 19, 1923, Serial No. 633,084. Divided and this application filed Jan. 22, 1924. Serial No. 687,717. 4 Claims. (Cl. 81—193.)



1. A well-screen forming tool comprising a body adapted to be longitudinally translated in a well casing in a perforating operation, a member pivoted on the body, the body and said member having opposed shoes, a perforator element journaled in said pivoted member and diametrically disposed to rotate in a vertical plane, said element having a plurality of relatively spaced punch members projecting from its periphery, and an independently operable wedge element adapted to have a wedge engagement between the opposed shoes to force the perforator element outwardly to cause the punch members to form screen apertures in the casing successively as the perforator element is rotated by a longitudinal translation of the tool.

1,532,593. HEADLIGHT. HENRY G. LEWIS, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 15, 1921. Serial No. 477,636. 2 Claims. (Cl. 240—41.)



1. In a head light, the combination with the case, of a door comprising a frame with a lens therein, movable relatively to said case, a grated door movable relatively to said case and door first named so as to cover and uncover said lens, a bolt hinged on said frame, and a nut having a limited movement on said bolt whereby it is adapted to engage said door second named and prevented from engaging said door first named.

1,532,594. CAN OPENER. HERMAN LUSCHER, Far Rockaway, N. Y. Filed Aug. 20, 1924. Serial No. 733,104. 2 Claims. (Cl. 30—3.)



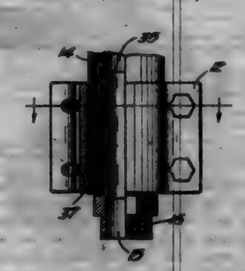
1. A can opener comprising an operating arm, a means for guiding and supporting said arm against the can cover, a bracket slidable on said arm to allow an operation of the opener on cans of various widths, a pair of depending arms on said bracket a cutting tool pivotally held between said arms, and a pin on one of said arms for limiting the swinging of said tool around its pivot in one direction.

1,532,595. MECHANICAL TOY. GEORGE L. MCMANNIS, Los Angeles, Calif. Filed Apr. 9, 1923. Serial No. 630,847. 1 Claim. (Cl. 272—31.)



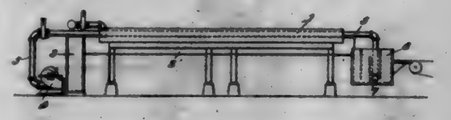
A toy racing machine comprising a circular casing formed with an internal downwardly inclined flange, a disk mounted within said flange and formed with an upwardly inclined flange resting at its edge adjacent the inner edge of said first inclined flange, leaving an annular slot between the adjoining edges of said flanges, said flanges forming a race track, racing devices mounted on said track and resting on both of said flanges, means for driving said devices around said track, one of said flanges being formed with an irregular surface so that contact therewith by said devices makes a noise.

1,532,596. HOSE CLAMP. MARTIN MADSEN, Monterey Park, Calif., assignor of one-half to Peter Madsen, Los Angeles, Calif. Filed July 18, 1923. Serial No. 652,298. 4 Claims. (Cl. 24—19.)



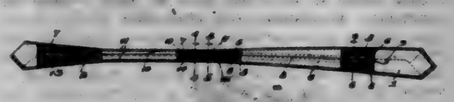
1. In a hose clamp, the combination of: a pair of oppositely disposed primary members having aligning slots; means for drawing said primary members together; and oppositely disposed secondary members disposed on a plane substantially perpendicular to the direction of movement of said primary members, and arranged to be forced inwardly by said primary members, and keys formed on said secondary members adapted to cooperate with said slots on said primary members for aligning said primary and secondary members.

1,532,597. PREVENTING FROTH ON PAPER MACHINES. WALTER E. METCALF, Hudson Falls, N. Y., assignor to Process Engineers, Inc., New York, N. Y. Filed Dec. 28, 1922. Serial No. 608,724. 1 Claim. (Cl. 92—38.)



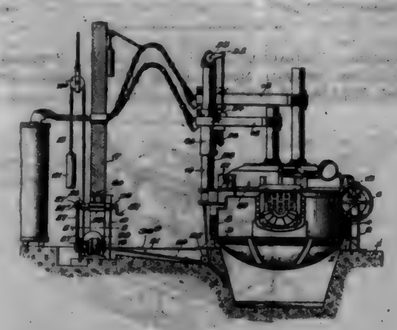
In a paper machine, a head box, a flow box, a central box connected therewith, and a screen, a pipe terminating in a head having orifices therein submerged in said head box, baffles in said head box, and pump means for forcing water and fibres from said central box through said pipe and expelling the same through said orifices below the lever of the liquid in said head box.

1,532,598. NECKTIE. WILLIAM K. MEYER, New York, N. Y. Filed May 26, 1923. Serial No. 641,689. 2 Claims. (Cl. 2—146.)



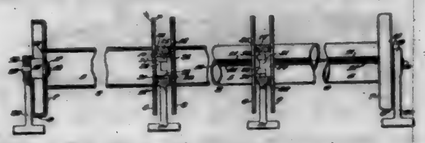
1. A necktie comprising two tying ends and a neckband consisting of folded material, said material being elastic, and a lining for each end, the lining of one end consisting of material elastic in the direction of the length of the tie, said elastic lining material being loosely stitched to the folded material, and the lining of the other end consisting of inelastic material, said inelastic lining being joined to said folded material by stitching extending through said lining and said folded material whereby the smaller tying end of said tie is rendered non-elastic in the direction of the length of the tie.

1,532,599. ELECTRIC FURNACE. WILLIAM E. MOORE, Beaver, Pa., assignor to Pittsburgh Research Corporation, a Corporation of Delaware. Original application filed Sept. 5, 1919, Serial No. 321,851. Divided and this application filed Sept. 12, 1921. Serial No. 500,187. 19 Claims. (Cl. 204—64.)



1. The combination with a tilting electric furnace of mechanism for adjusting electrodes in said furnace, said mechanism comprising motors mounted on a stationary support, drums operated by said motors and operating cables passing from the electrodes to and around said drums and carrying at their ends weights adapted to maintain them in frictional engagement with said drums.

1,532,600. TUFT-YARN SPOOL. FRANK MOSSBERG, Attleboro, Mass., assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1922. Serial No. 582,883. 8 Claims. (Cl. 242—123.)



1. A tuft-yarn spool for the carrier-frames of looms comprising a cylindrical barrel having end-heads, and hollow cylindrical gudgeons arranged coaxially of the heads and projecting outwardly therefrom with integral clutch-elements at their ends adapted for interlocking engagement one with another when the spools are placed end-for-end in series.

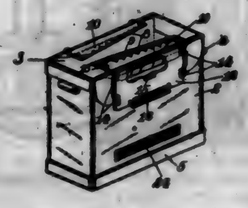
1,532,601. AIR PROPELLER. FRANK WM. RODNER, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,841. 11 Claims. (Cl. 170—160.)



7. In an air propeller, the combination of a hub, blades secured to said hub, strengthening ribs on said blades, a saddle, means to support said saddle from said hub, supporting members from said saddle to said blades, and compression and tension members connecting together the outer part of said blades and secured to said strengthening ribs.

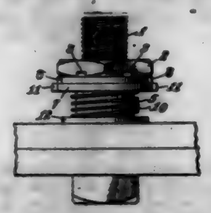
8. In an air propeller, the combination of a hub, blades secured to said hub, a saddle, means to support said saddle from said hub, compression members from said saddle to said blades, and supporting members from said compression members to said blades at a point adjacent the hub.

1,532,602. TOBACCO-USER'S ARTICLE. THOMAS E. RITCHIE, Beverly, Mass. Filed Oct. 3, 1922. Serial No. 592,110. 6 Claims. (Cl. 131—59.)



1. An article of the character described, comprising a box adapted to contain a plug of tobacco, said box having an open end, a blade removably mounted in one side of said box with its edge at the edge of said open end, and a cover for said end protecting the edge of said blade when the cover is in its closed position.

1,532,603. LOCK NUT. WILLIAM C. RUSSELL and JOHN F. CANADY, Pendleton, Oreg.; said Russell assignor to said Canady. Filed Dec. 26, 1923, Serial No. 682,024. Renewed Nov. 22, 1924. 1 Claim. (Cl. 151—2.)



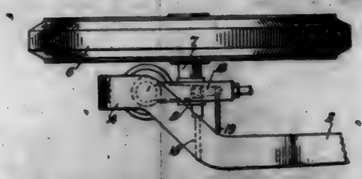
In combination with a bolt and its nut, said nut having notches therein, a spool on the bolt and located between the work-piece and the nut and having notches in one flange thereof, a washer on the spool having projections thereon for engaging the notches in the flange and in the nut, a spring on the spool for holding the washer against the notched flange and means for detachably connecting one flange with the spool.

1,532,604. OVERFLOW ALARM. PETER SCHMITZ, New York, N. Y. Filed Dec. 18, 1922. Serial No. 607,481. 4 Claims. (Cl. 116—100.)



4. A device comprising a movable container constructed to occupy a receiving position when empty, and to move from such position when filled, and an alarm consisting of a coiled elastic strip, a bell carried by said strip, an arm extending from said strip, and a plate on said arm, located in the path of said container.

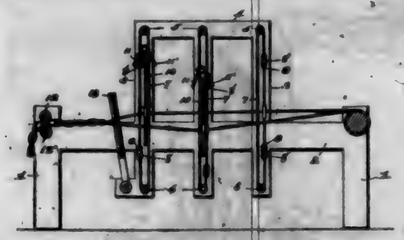
1,532,605. VEHICLE BODY SUSPENSION. BENJAMIN F. SEYMOUR, Washington, D. C. Filed June 22, 1920. Serial No. 390,825. 3 Claims. (Cl. 280—96.2.)



1. In a vehicle body suspension, the combination of a chassis, a wheel, an axle, a supporting post mounted on the chassis, an arm mounted on said post and supporting the axle, a pair of springs mounted on said post intermediate the arm and the chassis, collars interposed between said springs and the arm, and means for adjusting the tension of said springs, for the purpose set forth.

1,532,606. HEDDLE CONSTRUCTION FOR LOOMS. MICHAEL S. SOROKA, Atlanta, Ga. Filed Mar. 19, 1923. Serial No. 626,015. 1 Claim. (Cl. 139—91.)

In a loom, the combination with heddle frames embodying a plurality of heddles, certain of said heddles having substantially T-shaped means adjacent their upper ends projecting from opposite sides, the means on one side of the heddle adapted for detachable gripping engagement with one heddle frame and the means on the opposite side adaptable for similar engagement with another heddle frame, handle means also provided at



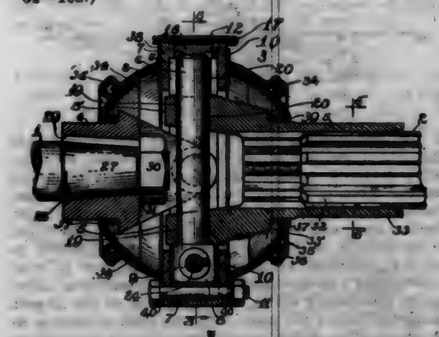
the upper ends of said heddles for expeditiously transferring each of the detachable heddles from one heddle frame to another to vary the normal alternate order of the warp threads.

1,532,607. METHOD OF MANUFACTURING SHEET METAL. LAWRENCE C. STEELE, Pittsburgh, Pa. Filed Apr. 18, 1922. Serial No. 554,573. 3 Claims. (Cl. 29—19.)



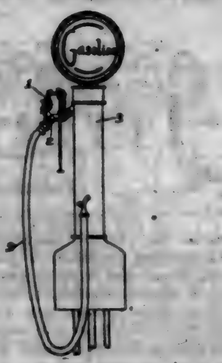
1. The method of manufacturing sheet-metal consisting in rolling the heated bars back and forth in the rolls keeping the metal from contact with the mill-floor during rolling until reduced to a gauge for matching and doubling, elevating the sheets to a point above the mill-floor, matching and doubling the sheets at this elevation, and passing the sheets while still in the elevated position back to the heating furnace.

1,532,608. TORQUE-CUSHIONING MEANS. OTTO E. SEBERLY, Moline, Ill., assignor, by mesne assignments, to William Mutschler, trustee, Goshen, Ind. Filed Dec. 14, 1922. Serial No. 606,991. 5 Claims. (Cl. 64—102.)



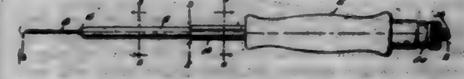
2. A cushioned torque universal joint including a pair of cross yokes disposed normally in quadrature and adapted to receive and deliver rotary power, yielding means interposed between the bearing parts of said yokes, a hollow inwardly facing yoke ring to hold said yokes and cushioning means in effective circular alinement, and diametrically disposed rigid means carried by said ring to secure one of said yokes demountably in coturnable relation to said ring, which ring is radially perforated to admit said yoke securing means endwise.

1,532,609. LIQUID-DISPENSING DEVICE. WILLIAM C. TAGGART, Big Rapids, Mich. Filed June 4, 1924. Serial No. 717,771. 2 Claims. (Cl. 221—100.)



1. A pipe section to be inserted in the delivery line of a service station pump, a tank integral with said pipe and an imperforate wall between said tank and said pipe, a spout in said tank near its upper part, a visual-contents receptacle in communication at its top with said spout and having at its bottom a conduit communicating with said pipe section, and a shut-off valve in said conduit, a liftable measuring cup in said tank, and means adapted to lift said cup and tilting means adapted to empty said cup into said trough.

1,532,610. ELECTRIC HAIR-SINGEING TOOL. HORACE B. TAYLOR, Ogema, Saskatchewan, Canada. Filed Feb. 28, 1923. Serial No. 622,784. 3 Claims. (Cl. 219—39.)



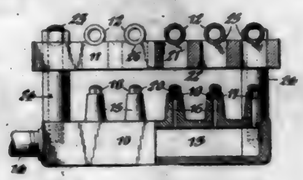
1. An electric hair singeing tool including a casing element having a handle portion and an elongated tube extending therefrom at one end, the handle portion being formed with a bore in line with the tube and a recessed portion at the other end of substantially larger size than the bore, and a singeing element adapted for removable mounting and housing in said casing element having a plug removably connected to said handle portion mounted in the enlarged recess therein, means carried by said plug extending through the bore in the handle and the tubular casing, a heating coil carried by said last mentioned means and extending beyond the end of the tubular casing element, the plug having contact with said heating coil, and an attachment plug adapted for removable connection with the first mentioned plug for connecting said heating element in an electric circuit.

1,532,611. EYESHADE. CARL C. TAYLOR, Des Moines, Iowa. Filed Aug. 7, 1924. Serial No. 730,597. 2 Claims. (Cl. 2—12.)



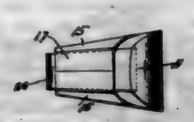
2. An eye shade comprising a strip of resilient material having a central transverse slot and hook members at its ends, said strip being bent to form two tubular members and having the hook members extended through said slot, and head engaging tabs on the tubular members.

1,532,612. GAS BURNER. ISRAEL B. TAYLOR, Buffalo, N. Y. Filed June 14, 1924. Serial No. 720,120. 4 Claims. (Cl. 158—99.)



1. A gaseous fuel burner, comprising a supporting base, a gas-receiving chamber, a plurality of burner nozzles rising from said base, a grate disposed above said nozzles in spaced relation thereto, said grate having rows of openings therein, and a plurality of individual flame bars sustained over said grate and substantially in line with said rows of grate-openings.

1,532,613. BRACELET HOOK. LOUIS E. VALCOURT, Providence, R. I., assignor to Louis Stern Co., Providence, R. I., a Corporation of Rhode Island. Filed Feb. 7, 1924. Serial No. 691,147. 4 Claims. (Cl. 24—236.)



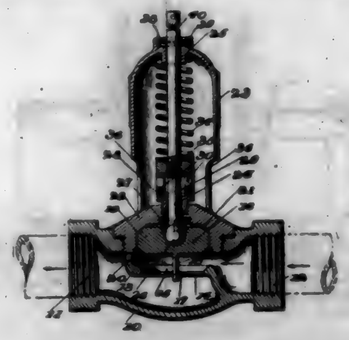
1. A bracelet hook formed of a single piece of sheet stock folded upon itself to provide a body portion with an extending shank having a hook-shaped end and also a resilient tongue member for closing said hook, said body portion having integral folded-up top, bottom and side walls in box-shape formation to inclose and protect that portion of the tongue member extending through said body.

1,532,614. WATERPROOF CONTAINER. KARL WAIBEL, New York, N. Y. Filed June 12, 1924. Serial No. 719,587. 2 Claims. (Cl. 224—5.)



1. A device of the class described comprising a casing, curved to fit the shape of a person's wrist, means for strapping said casing to the wrist and the belt of a person, a cover cap for said casing, a bracket within said casing, a screw passed through said cap into said bracket, a pair of oppositely disposed pins or studs within said casing adapted to be engaged by the arms of said bracket from below upon the operation of said screw for tightly drawing said cap against said casing to provide a watertight seat for said cap, a knob at the upper end of said screw, a waterproof lining on the inner face of said cover adapted to hermetically seal the casing upon the home screwing of said screw and a moisture absorbing lining within said casing.

1,532,615. AUTOMATIC CUT-OFF AND CUT-IN VALVE. EDWIN COOPER WILLS, East Orange, N. J. Filed Feb. 29, 1924. Serial No. 696,012. 5 Claims. (Cl. 137—162.)



3. A cut-off valve including a valve body having vertically spaced valve seats, a valve member guided therein and shiftable between the said seats, a valve stem extending through the portion of the body adjacent to one of the seats and having connection with the adjacent side of the valve member, a fusible element around the valve stem exteriorly of the body, a valve stem guide in connection with the body forming a flat seat for one end of the fusible member, a nut against the other end of the fusible member having a threaded connection with the valve stem, a bonnet extending from the valve body, having a guide for the outer portion of the valve stem and having cut-away portions at its opposite sides adjacent to the valve body, and a spring around the valve stem compressed between the said nut and a portion of the said bonnet, and exposed to view with the said nut and the fusible element through the cut-away portions of the bonnet.

1,532,616. EQUILIBRATING MECHANISM FOR FLYING MACHINES. ERASTUS E. WINKLEY, Lynn, Mass. Filed June 25, 1918. Serial No. 241,860. 14 Claims. (Cl. 244—29.)

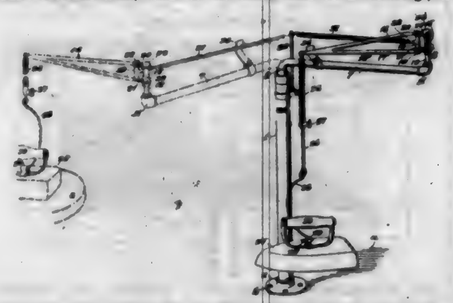


1. An equilibrating mechanism for flying machines comprising a guiding device, a lever connected with the guiding device, a main pendulum normally disconnected from the lever, a magnet carried by the pendulum, an armature carried by the lever, a battery in a circuit normally open, and an auxiliary pendulum adapted when the equilibrium of the flying machine is disturbed to close the circuit so as to energize the magnet to turn the lever and thereby impart a primary restoring movement to the guiding device, the energizing of the magnet serving to connect the lever with the main pendulum so that the guiding device is thereafter turned proportionately to the change in the angular relation between the main pendulum and the flying machine.

1,532,617. SUPPORT FOR TAILORS' IRONS. JOHN YOUNGBERG, Los Angeles, Calif. Filed Dec. 29, 1923. Serial No. 682,629. 5 Claims. (Cl. 68—9.)

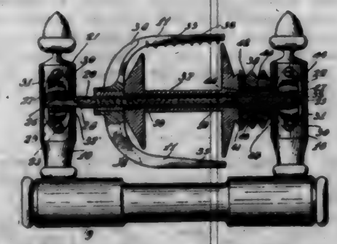
1. In combination with a pressing iron and a pressing board, a standard secured to said board, a bracket

swivelled in said standard, a bracket arm swivelled on said bracket, an elongate spring connected at one end to said bracket arm, and at its other end to a bearing; a



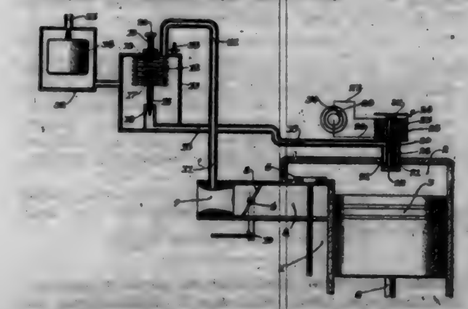
rod connected to said iron and extending through said bearing; and a set screw in said bearing for securing said rod in adjusted position therein.

1,532,618. SPINNING WHEEL. HYACINTHE ORIGÈNE BORDUAS, Montreal, Quebec, Canada. Filed May 16, 1921. Serial No. 469,970. 1 Claim. (Cl. 64—27.)



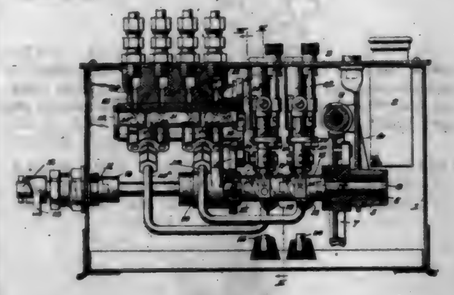
In a machine of the type described including a hollow shaft and a flyer keyed to said shaft, bearings rotatably supporting the ends of said shaft, said shaft being hollow thereby constituting an oil reservoir and having a passage communicating with one of the bearings for lubricating the latter, ball members supporting said bearings, clamping elements engaging said ball members, for supporting the bearings for universal movement, substantially, as and for the purposes set forth.

1,532,619. INTERNAL-COMBUSTION ENGINE. MILTON B. CHANDLER, Chicago, Ill., assignor to Stromberg Motor Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1919. Serial No. 319,099. 3 Claims. (Cl. 123—119.)



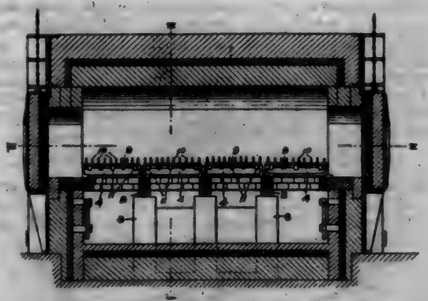
1. The method of feeding an internal combustion engine which consists in, creating a flow of air, causing the flow of air to generate a drop in pressure corresponding to the flow, creating a flow of fuel, causing the drop in pressure to control the flow of fuel, and directing the flow of air and fuel separately into a combustion chamber.

1,532,620. LUBRICATOR. THOMAS EMMET COLEMAN, Madison, Wis., assignor to Madison-Kipp Corporation, Madison, Wis., a Corporation of Wisconsin. Filed July 21, 1922. Serial No. 576,600. 6 Claims. (Cl. 184—27.)



1. In a force feed lubricator, the combination of an actuating shaft; a pump operated thereby; a distributor casting provided with a plurality of conduits extending to the points to be lubricated; a distributor element mounted in said casting, said distributor element having a circumferential groove formed therein and a plurality of channels extending therethrough, said channels communicating at one end with said circumferential groove and at their opposite ends standing in alinement with the conduits through which the oil is to be forced; and means operable in timed relation with the pump for moving said distributor element step-by-step to cause the channels to register successively with the respective conduits.

1,532,621. ENAMELING FURNACE. ALAN D. DAUCH, Pittsburgh, Pa., assignor to George J. Hagan Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1923. Serial No. 659,443. 11 Claims. (Cl. 263—2.)

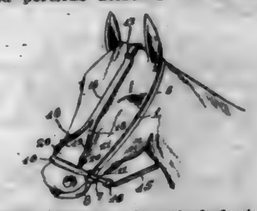


1. An enameling furnace having in combination therewith a plurality of beams or members arranged in spaced relation within the furnace and racks consisting of a plurality of longitudinal sections provided with pins for supporting articles and detachably supported by said beams or members.

1,532,622. BRIDLE BIT. EDOR ERICKSON, Philipsburg, Mont. Filed Aug. 8, 1924. Serial No. 730,459. 5 Claims. (Cl. 54—15.)

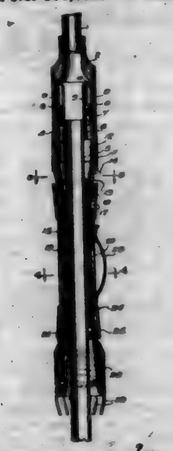
1. In a bridle bit, a mouth piece, bit rings at the ends of the mouth piece, a guiding and retaining member on the outer face of each bit ring, a nose band hav-

ing end portions extended between said guiding and retaining members and the bit rings and the extremities of said end portions attached to said bit rings, and



means whereby reins may be attached at their ends to the end portions of said nose band between said guiding and retaining members and the extremities of the nose band.

1,532,623. PUMPING DEVICE FOR OIL WELLS. JEREMIAH J. FITZPATRICK, Tulsa, Okla. Filed Nov. 24, 1923. Serial No. 676,799. 7 Claims. (Cl. 166—2.)



1. In a jet flow packer for oil wells, a housing adapted to be arranged at a distance from the bottom of the well, a partition extending transversely of said housing, well tubing depending from said partition forming a gas chamber within said housing beneath the partition, said partition being provided with openings for the passage of gas, the outer wall of said housing being provided with openings, and a member surrounding said housing and adapted to close said openings.

1,532,624. CONDENSER FOR MOTOR-VEHICLE RADIATORS. RANDALL D. GRIFFITH and CHARLES SCOTT HUNTER, Des Moines, Iowa. Filed Aug. 27, 1923. Serial No. 659,610. 3 Claims. (Cl. 257—25.)



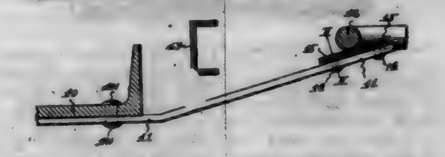
1. In a condenser of the class described, a hollow member having projecting hollow portions, adapted to drain to a common point, a tube entering said member at said point and projecting substantially into said member, open at its inner end and adjacent to said point and serving to reinforce the walls of said member.

1,532,625. PLAYING DEVICE. HENRY RIDGEWAY HART, Montclair, N. J. Filed July 9, 1923. Serial No. 650,537. 3 Claims. (Cl. 273—25.)



2. In an inflatable device, a cover, having an opening therein, a bladder having an opening therein, a valve tube having a threaded portion extending through the opening in the bladder and provided with a rimmed flange on the tube adapted to engage the inner side of the bladder, adjacent the opening, a rimmed washer through which the threaded portion of the tube extends lying over the outer side of the bladder adjacent the opening, a clamping nut threaded on to the tube and forcing the rimmed washer against the bladder to squeeze the latter against the flange and form an airtight union, the threaded portion of the valve tube extending through the opening in the cover and a clamping nut threaded on to the tube and clamping the cover against the first mentioned clamping nut to retain the bladder in proper position in the cover.

1,532,626. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa. Filed May 10, 1924. Serial No. 712,326. 8 Claims. (Cl. 188—218.)



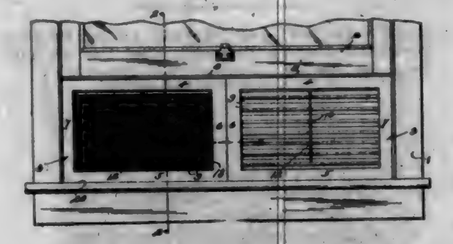
5. In a truck, the combination of a brake beam, a supporting bar affixed to a truck portion and extending transversely below the brake beam to afford a safety support in the event of detachment of the beam, and a combined anti-friction and bearing element associated with said supporting bar and interposed between said supporting bar and brake beam to provide a third or fourth point support for the latter upon the former, said bearing element having less resistance to frictional wear or abrasion than said brake beam.

1,532,627. PROCESS FOR THE PREPARATION OF AMINOAZO COMPOUNDS. KARL HEUSNER and MAX SIMON, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed July 24, 1924. Serial No. 727,984. 1 Claim. (Cl. 260—69.)

A process for the preparation of sulfaminoazo bodies consisting in coupling diazo-compounds of any kind with alpha-naphthylsulfaminic acid.

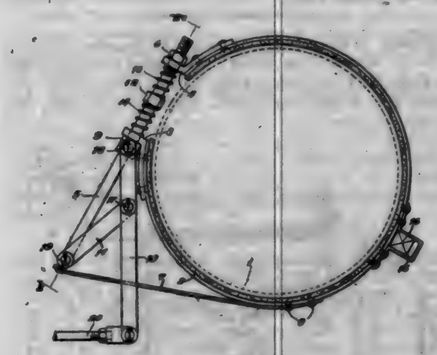
1,532,628. WINDOW VENTILATOR. JOHN S. MACKENZIE, Delaware, Ohio. Filed Aug. 1, 1923. Serial No. 655,120. 1 Claim. (Cl. 268—10.)

The combination with a frame, of a plurality of slats pivotally supported thereby, a plate associated with the upper rail of the frame, a spring finger having one end fixed to the plate, a rod pivotally connected with the slats, said rod having vertically spaced grooves in



its upper end adapted to be yieldably engaged by the finger to hold the rods and thus the slats in selected adjusted positions.

1,532,629. FRICTION BRAKE MECHANISM. CHAUNCEY L. C. MAGEE, Chicago, Ill. Filed Oct. 2, 1920. Serial No. 414,286. 8 Claims. (Cl. 188—77.)



1. In combination with a motor vehicle wheel, a friction brake therefor comprising a drum which turns with the wheel, a brake band on said drum, and toggle mechanism for contracting the band on the drum, comprising a support for the band, and a spring secured to said band to form a resilient support for said toggle mechanism, said spring having a pull or tensile strain imposed thereon by the operation of said mechanism.

1,532,630. ARRANGEMENT FOR LAUNCHING AEROPLANES IN THE AIR FROM THE GROUND OR FROM A VESSEL. NICOLAS EMILIEN MENTHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed July 28, 1924. Serial No. 728,751. 7 Claims. (Cl. 244—2.)



1. In a device for launching aeroplanes, the combination of a motor, a flywheel, a drum and a track all mounted to turn on a common vertical axis, a clutch between said flywheel and drum, a carriage on the track, and a cable connecting said drum and carriage.

1,532,631. FUNGICIDE, INSECTICIDE, AND BACTERICIDE COMPOUND. EMIL MOLS, Halle-on-the-Saale, Germany, assignor to The Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Mar. 21, 1923. Serial No. 626,634. 1 Claim. (Cl. 167—6.)

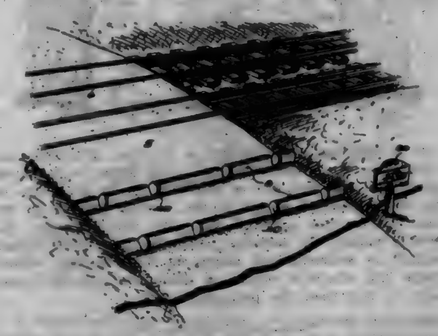
The process for producing dusting powders for plant protection purposes which process consists in vaporizing or subliming insoluble fungicides, insecticides or bactericides on to inert materials in finely divided state, substantially as described.

1,532,632. CLASP FOR BRACELETS AND LIKE ARTICLES OF JEWELRY. ALMYR L. NEWMAN, Warwick, R. I., assignor, by mesne assignments, to A. L. Newman Company, Cranston, R. I., a Corporation of Rhode Island. Filed Jan. 11, 1924. Serial No. 685,544. 4 Claims. (Cl. 24—232.)



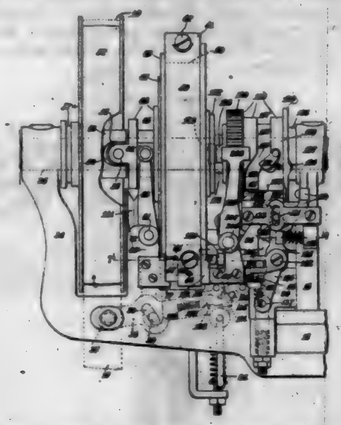
1. An article of the type specified comprising a clasp-member having a hooked beak, an open-sided tubular sleeve rotatable within the hook to close the opening of the beak, and a finger-piece on said sleeve projecting through a slot in the hook and having its outer portion enlarged to overlap the edges of the slot, the finger-piece being inserted through an enlarged opening at the end of the slot formed by cutting away the metal to provide a flap-like tongue which is afterward bent back to close the end of the slot and to act as a stop to limit the turning movement of the sleeve.

1,532,633. ROADWAY. WILLIAM NOBLE and WILLIAM KENNEDY, Fort Dodge, Iowa. Filed Nov. 3, 1924. Serial No. 747,576. 3 Claims. (Cl. 238—3.)



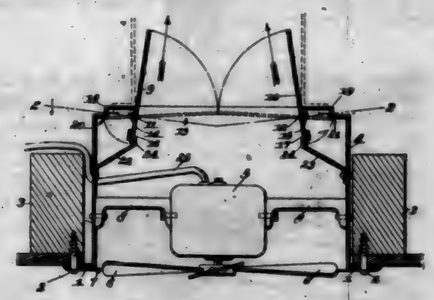
1. A roadway having a transverse ridge in the path of travel of vehicles to warn the operators of the vehicles of a dangerous place in the road, said ridge being provided with channels for the passage of the wheels of the vehicles.

1,532,634. STOPPING AND STARTING MECHANISM FOR SHOE-STITCHING OR OTHER MACHINES. JOHN ROGER OLIVER, Medfield, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Oct. 23, 1923. Serial No. 670,279. 15 Claims. (Cl. 192—140.)



1. In a high speed power driven machine, a shaft, and a stop mechanism comprising means operative after disconnection of power for bringing the machine shaft to a stop without shock in an indeterminate position, and power operated means coming automatically into action subsequent to the stoppage for turning the shaft to a predetermined stopping position.

1,532,635. CEILING VENTILATOR. JUSTIN EDWARD OSBUN, Riverside, Calif. Filed Feb. 21, 1924. Serial No. 694,298. 4 Claims. (Cl. 230—11.)

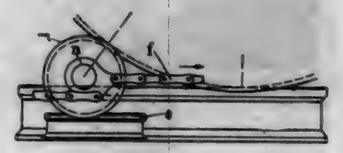


1. A ventilator comprising a housing, shutters controlling an air outlet of the housing, hinge means upon which the shutters are so mounted as to gravitate to the closed position, a fan in the housing driving an air blast toward the outlet to hold the shutters open, deflectors within the housing preventing air from getting behind the shutters, and means on the deflectors behind which the shutters engage to limit the opening movement to less than the perpendicular.

1,532,636. BLOCK FOR PAVING AND THE LIKE AND PROCESS FOR MAKING THE SAME. MONNOE LAWRENCE PATRIC, Des Moines, Iowa. Filed Aug. 27, 1924. Serial No. 734,544. 3 Claims. (Cl. 18—48.)

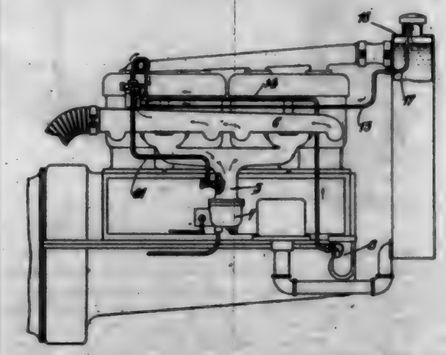
1. An asphalt block comprising asphaltic rock with approximately four to twelve percentum asphaltic content, of approximately fineness to pass a ten mesh screen with approximately ten percentum of a fineness to pass a two hundred mesh screen, mixed, heated and moulded while hot under great pressure.

1,532,637. RAILWAY-CAR DRIVING AXLE. HEINRICH POSENTRUP, Munster, Germany. Filed Dec. 16, 1924. Serial No. 756,290. 1 Claim. (Cl. 114—173.)



A device for driving railway cars, comprising in combination, two endless driving members; pairs of rotatory supports for them; means to rotate one of said pairs, two axles coupled with said pairs at opposite points thereof; two grooved wheels at each end of each axle; and auxiliary rails arranged inside of the rails of the track, and upon which auxiliary rails the inner pairs of grooved wheels run.

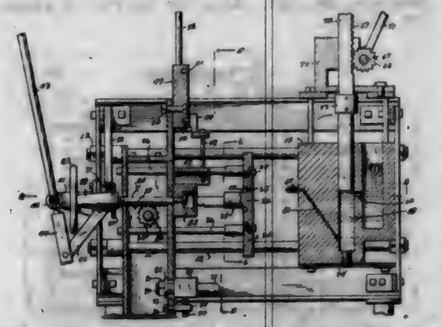
1,532,638. VAPORIZER. EDWARD B. RODGERS, Hoboken, N. J., assignor to Victory Vaporiser Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 4, 1922. Serial No. 592,316. 7 Claims. (Cl. 123—25.)



1. A vaporizer comprising a mixing chamber attachable to the exhaust manifold of an internal combustion engine, means for baffling and expanding exhaust gases and conducting the same to the mixing chamber, a conducting element for crank case gases communicating with said mixing chamber through said means, a water vapor conducting element leading to the mixing chamber, and means for introducing the mixture into the intake manifold of the engine.

1,532,639. MACHINE FOR REBABBITTING CONNECTING RODS. CLIFFORD T. SONDLEY, Newberry, S. C. Filed Apr. 24, 1924. Serial No. 708,784. 22 Claims. (Cl. 22—58.)

1. A machine for casting Babbitt metal within bearing yokes, the machine including a Babbitt metal pot having a discharge nozzle, a carriage movable toward or from the nozzle, a pair of dies mounted upon the carriage and adapted to clamp the article to which the Babbitt metal is to be applied between the dies, means for shifting said dies toward or away from each other, means for shifting the carriage as a whole and the dies toward the melting pot along a line passing through the axis of the discharge nozzle, one of said dies being provided with a sprue opening adapted to communicate

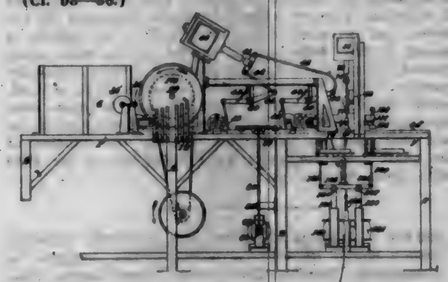


with the interior of the yoke and in which sprue opening the nozzle is adapted to extend, and means for forcing the molten metal out through said nozzle.

1,532,640. SULPHUR DYES. OSKAR SPENGLER and ALFRED THURM, Dessau, Anhalt, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Aug. 2, 1924. Serial No. 729,841. 3 Claims. (Cl. 260—29.)

2. The dyes containing sulphur being in the pulverized dry state dark powders soluble in alkali metal sulfide solution with a blue color and, when reduced, dyeing cotton from an alkaline vat deep red after oxidation; the dyes being obtained by treating with a sulphur halide the compound obtained by alkali fusion of a para-diazine having as members two 8-sulfo-1.2-naphthalene rings.

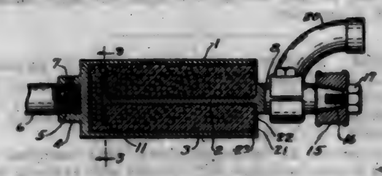
1,532,641. ORGANIZED APPARATUS FOR ASSEMBLING, SCORING, BREAKING, AND UNITING MEMBERS TO FORM A KNOCKDOWN BASKET. BARTLETT R. WILLIAMSON, San Francisco, Calif., assignor to John A. Williamson, San Francisco, Calif. Filed Sept. 11, 1923. Serial No. 662,078. 14 Claims. (Cl. 93—36.)



1. An apparatus for assembling side and bottom forming blanks in flat formation to provide a flat unit from which a basket is adapted to be subsequently folded, the same including means for scoring the blanks transversely to provide fold lines, and means for breaking the blanks on their scores.

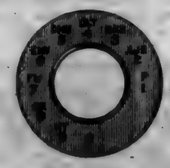
1,532,642. MOTOR-VEHICLE-LIGHT BRACKET. EMMETT G. WRIGHT, Seattle, Wash. Filed June 11, 1923, Serial No. 644,724. Renewed Mar. 2, 1925. 3 Claims. (Cl. 240—52.)

1. A bracket for motor vehicle lights embodying a casing having a hub on one end with a threaded hole in it, a core having veins arranged in the shape of a V, a disc at the inner ends of the veins, a hub at the outer end of the veins, a resilient material between the core and the casing, an arm with a clamp on one end



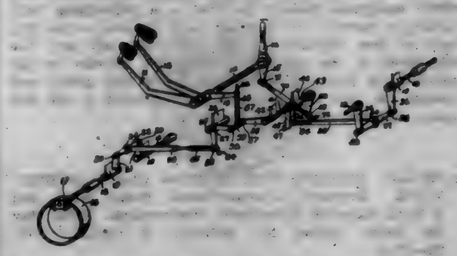
by which it may be attached to the hub of the core, and its other end made so that a post may be attached to it, and a post with a means for attaching it to the end of the arm and a clamp for holding a lamp.

1,532,643. CALLING DEVICE. FRED L. BARR, La Grange, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Substitute for abandoned application Serial No. 525,931, filed Dec. 30, 1921. This application filed May 13, 1922. Serial No. 560,633. 7 Claims. (Cl. 179—90.)



1. An calling device for automatic telephone systems having a rotatable finger hole dial, impulse sending mechanism variably controlled by the dial in accordance with the finger hole used, digit designations for the finger holes, and letter designations for the finger holes also, the said letter designations being assigned to the holes according to a method which brings letters O and I in the same holes as the digits 0 and 1, respectively, thereby rendering it immaterial so far as the number of impulses transmitted is concerned whether the subscriber calls the said letters or the said digits.

1,532,644. BRAKING MECHANISM. PAUL BASTIEN, Cleveland, Ohio, assignor to the Rubay Company, Cleveland, Ohio, a Corporation. Filed Sept. 15, 1922. Serial No. 588,415. 5 Claims. (Cl. 188—106.)



1. Brake applying mechanism for vehicles, comprising brakes for the front and rear wheels of a vehicle, separate mechanisms for actuating the front and rear sets of brakes, manually operable levers for each of said mechanisms, a pair of aligned shafts rotatable relative to each other, one of said actuating mechanisms being connected to one of said shafts and the other of said actuating mechanisms being connected with the other of said shafts, and means adapted to couple said shafts

together for actuating said mechanisms in unison when one of said levers is operated, said means permitting independent rotation of one of said shafts for actuating only one of said mechanisms when the other of said levers is operated.

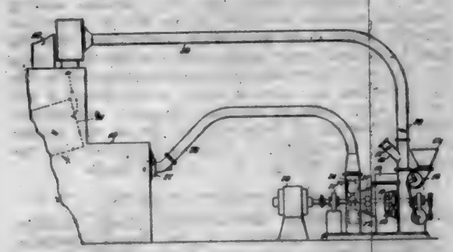
1,532,645. METHOD OF VULCANIZING RUBBER. CLAYTON W. BEDFORD, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 16, 1921. Serial No. 492,825. 6 Claims. (Cl. 18—53.)

1. A process of vulcanizing rubber that comprises admixing a zinc persulfide with rubber and applying heat thereto.

1,532,646. THIOCARBANILIDE DERIVATIVE. CLAYTON W. BEDFORD, Akron, Ohio, and ROBERT L. SIBLEY, Elizabeth, N. J., assignors to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Aug. 12, 1918, Serial No. 249,580. Divided and application filed Nov. 24, 1919. Serial No. 344,252. Again divided and this application filed Oct. 2, 1922. Serial No. 591,946. 6 Claims. (Cl. 260—125.)

1. The thiourea derivatives constituting the reaction product of carbon bisulphide with the base formed by the reaction of less than two mols of hydrogen sulphide with one mol of a paranitroso body.

1,532,647. METHOD OF AND APPARATUS FOR PREPARING, FEEDING, AND BURNING PULVERIZED FUEL. LARS H. BERGMAN, Chicago, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,415. 6 Claims. (Cl. 110—106.)

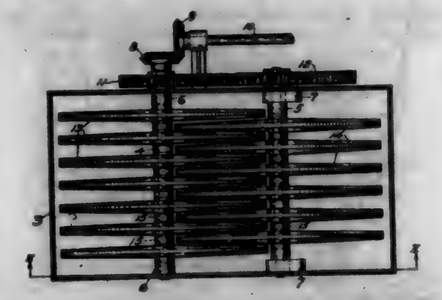


1. The method of preparing, feeding and burning fuel, which comprises feeding the fuel to a pulverizing mill, causing a current of hot gases from the flue to the furnace to pass through the mill, admitting air with the hot gases to the mill, controlling the amount of air admitted in relation to the amount of hot gases, and feeding the fuel by flotation on the current of air and gases from the mill to the furnace.

1,532,648. PROCESS FOR MAKING CLOTH SUBSTITUTE. MICHELE ANGELO BESSO, Rome, Italy, and F PAUL HABICHT, Schwanden, Switzerland. Filed May 26, 1919. Serial No. 300,011. 6 Claims. (Cl. 92—21.)

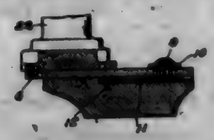
6. A process for the formation of a cloth substitute having a non-closed, naturally porous structure, comprising the suspension of fibres in a suitable fluid, their settlement in a layer of uniform thickness on the surface of a support and the application to the fibres of means to cause the fibres to adhere together so localised and for a sufficient time that they adhere together but on relatively short portions, and consequently secure the natural porosity and mobility of parts of a woven fabric.

1,532,649. FIBER-BEATING MACHINE. CHARLES P. BIRGER, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 30, 1922. Serial No. 597,970. 4 Claims. (Cl. 92—26.)



1. A machine for beating fibers comprising a container, two power driven rotatable vertical relatively adjustable shafts disposed therein, and means mounted on each of said shafts for beating said fibers.

1,532,650. PORTABLE MILLING MACHINE. HUMPHRIES W. BREWER, Du Bois, Pa. Filed June 28, 1924. Serial No. 722,963. 4 Claims. (Cl. 90—12.)



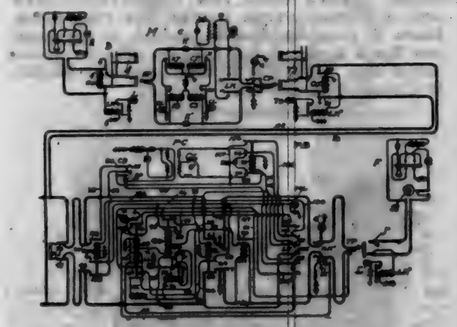
1. In combination in a portable milling machine, a base plate or member, a slide plate interlocking with the base plate and mounted for reciprocation thereon, a vertical tool spindle mounted on the slide plate and carrying a downwardly projecting milling cutter, an upright casing bolted upon the slide plate in which the spindle is mounted for vertical movement and for a movement of rotation, a screw adjusting member mounted in the casing and swivelled to the upper end of the spindle, a second vertical drive spindle carried by the slide plate, gearing intermediate the two spindles, a third manually operable vertical spindle upon the slide plate, a horizontal shaft on the slide plate, gearing between such third spindle and said shaft, and interengaging means on said shaft and the base plate, whereby the rotation of the shaft from its operating spindle moves the slide plate along the base plate.

1,532,651. MANUFACTURE OF RUBBER GOODS. BRUCE KEITH BROWN, Terre Haute, Ind., assignor to Commercial Solvents Corporation, Terre Haute, Ind., a Corporation of Maryland. Filed June 13, 1924. Serial No. 719,845. 10 Claims. (Cl. 18—53.)

1. A method for the manufacture of rubber goods which consists in adding a small quantity of parabutyraldehyde to a rubber mix, fabricating an article from said mix, and vulcanizing the same.

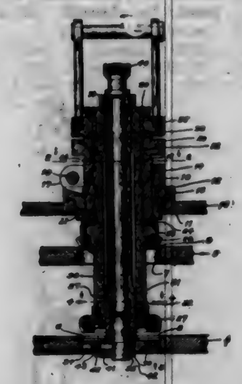
1,532,652. TELEPHONE SYSTEM. HIRAM D. CURRIER and WILLIAM G. SHULL, Chicago, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 16, 1920. Serial No. 411,289. 17 Claims. (Cl. 179—42.)

2. A telephone system including a link circuit and a trunk circuit provided with a manual terminal for interconnecting subscribers' lines, and subscriber-controlled electromagnetic means for said trunk circuit for severing



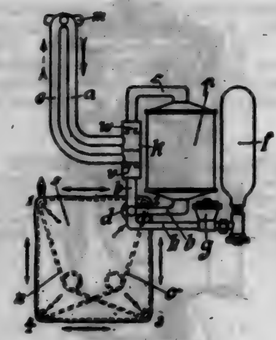
the talking conductors of the same when a subscriber signals for disconnection, and means for said trunk circuit for denoting a recall by the called subscriber.

1,532,653. VALVE-RESEATING TOOL. CLARENCE M. DAVISON, Baltimore, Md., assignor to Poole Engineering and Machine Company, Baltimore, Md., a Corporation of Maryland. Filed Nov. 16, 1922. Serial No. 601,269. 4 Claims. (Cl. 90—12.5.)



1. In a valve reseating tool for two axially aligned valve ports each having cylindrical portions and valve seats, the combination with an adapter, of a feed screw threaded in said adapter and comprising a bearing, an arbor moved axially by said screw and revolubly mounted in said bearing, two cutters on said arbor, the first cutter adjacent said screw and centered by said bearing with reference to the cylindrical portion of one port, the second cutter at the end of said arbor and means for centering said second cutter with reference to the cylindrical portion of the other port.

1,532,654. SELF-CONTAINED BREATHING APPARATUS. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed June 9, 1921. Serial No. 476,237. 8 Claims. (Cl. 128—191.)



1. In a self-contained breathing apparatus, the combination of an air-purifying device, an oxygen container, breathing pipes connected with said device and container, breathing valves controlling said breather pipes, a breathing bag communicating with said pipes and arranged to receive revivified air, and means combined with said bag for automatically deflating the latter and expelling its contents into the apparatus.

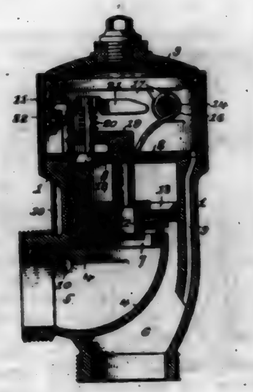
5. In an apparatus for providing breathing gas for the lungs, a breathing bag, and means carried by the latter for maintaining a superpressure in the breathing bag during the inhalation and exhalation periods.

1,532,655. IMPULSE TRANSMITTER FOR AUTOMATIC TELEPHONE SYSTEMS. JOHN ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 18, 1921. Serial No. 453,266. 9 Claims. (Cl. 179—90.)



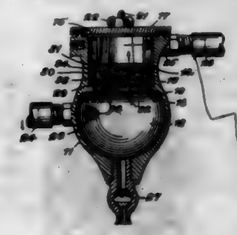
1. The combination, with a calling device having a rotatable finger hole dial, of means for rotating the dial comprising a crank and a member carried thereby for engaging the dial in place of the finger of the operator, said member comprising an endwise movable mechanical finger having a bearing on the free end of said crank, and a handle common to said crank and member for rotating the crank and for operating the said member.

1,532,656. FLUSH VALVE. ROBERT E. FIVEY, Chicago, Ill. Filed Apr. 15, 1922. Serial No. 552,853. 2 Claims. (Cl. 137—93.)



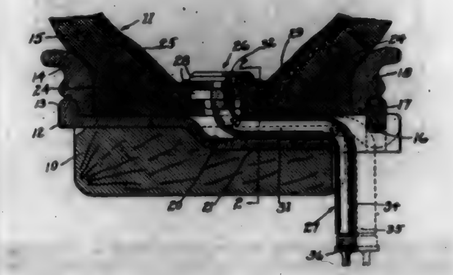
2. In a flushing valve of the type described, the combination of a valve housing, a main valve and its associated control piston and piston chamber, a relief valve associated with said piston chamber, a rock shaft mounted in said housing, manual means for turning said rock shaft in one direction, a spring tending to turn said rock shaft in the other direction, an arm on the rock shaft constituting an operating toe, and a trip lever pivoted at its mid-length to said relief valve with one end having fulcrum bearing beneath an abutment on the valve housing and the other end projecting into the path of the operating toe aforesaid.

1,532,657. AIR FILTER. ISAAC FLEISHER, New York, N. Y. Filed Jan. 17, 1922. Serial No. 530,003. 2 Claims. (Cl. 183—48.)



2. An air filter having in combination, a casing with communicating lower and upper chambers, the upper chamber having in its upper part an entrance, a cover hinged to the casing for closing the entrance, means for releasably locking the cover when closed, an outlet pipe leading from the upper chamber adjacent the entrance, said lower chamber of substantially a parabolic shape having in its upper part a tangentially disposed inlet pipe, a valve controlled nipple in the lower end of the lower chamber, an annular shoulder protruding inwardly from the wall of the casing at the passage between the chambers and above the inlet pipe of the lower chamber for causing the air to be deflected downwardly in a spiral course in the lower chamber, and alternately lapping porous plates and absorbent fibrous pads removably disposed in the upper chamber on said annular shoulder.

1,532,658. VALVE STEM FOR PNEUMATIC TIRES AND ACCOMMODATING WHEEL RIM THEREFOR. JAMES E. HALE, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 21, 1919. Serial No. 305,828. 12 Claims. (Cl. 301—11.)



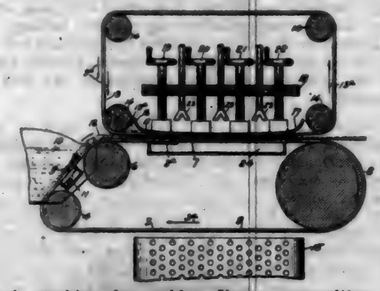
1. The combination with a wheel felloe, of a tire-retaining rim provided with a transversely disposed depressed portion forming a channel of substantially uniform depth adapted to receive the valve stem of a tire.

1,532,659. COLLAPSIBLE-TUBE-CLOSING MACHINE. THOMAS L. HARRISON, Philadelphia, Pa. Filed Apr. 30, 1924. Serial No. 710,021. 8 Claims. (Cl. 113—54.)



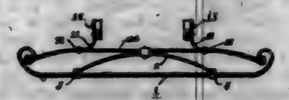
1. In a collapsible tube closing machine, the combination of oscillating clamping jaws adapted to cooperate to initially clamp the open end of a collapsible tube, a cam for actuating the jaws and a spring for forcing the jaws to perform the clamping, a toggle link pivoted near the end of one of said jaws, a flapper carrying a shoe pivoted at a point midway of said toggle link, a bow spring for normally holding tension on toggle link, flapper and shoe in its upright or closed position, and means coacting with the free end of said toggle link for causing said flapper and shoe to hinge across said jaws while jaws are in clamping relation through the yielding of bow spring, causing the flattened end of the tube to bend laterally across said jaw.

1,532,660. MACHINE FOR MAKING FIBROUS COMPOSITION. IAN D. PATTERSON, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Sept. 10, 1922. Serial No. 588,645. 7 Claims. (Cl. 92—39.)



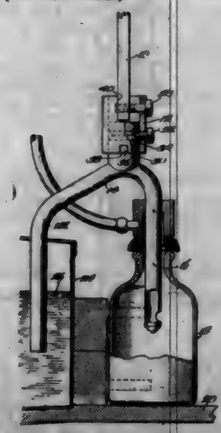
1. A machine for making fibrous composition comprising means for transporting the composition, and means for gradually compressing the same, said last mentioned means comprising a perforated flat pressure plate.

1,532,661. BUMPER FOR VEHICLES. WILLIAM CYRUS RICE, Grand Rapids, Mich. Filed Sept. 24, 1924. Serial No. 739,577. 8 Claims. (Cl. 293—55.)



1. A bumper for vehicles comprising: forward and rearward resilient portions extending transversely of the vehicle and inter-relatively hingedly connected at a point intermediate the ends of one of said portions.

1,532,662. CLUTCH. ARTHUR I. RISSER, Chicago, Ill., assignor to U. S. Bottlers' Machinery Co., Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 15, 1923, Serial No. 668,457. Divided and this application filed Apr. 7, 1924. Serial No. 704,558. 2 Claims. (Cl. 287—108.)



1. A clutch device for detachably connecting a siphon of a bottle filling machine to a siphon support, comprising a member secured to the support, a cylindrical opening in said member adapted to receive a cylindrical stem on the siphon to be connected with the support, means to secure the siphon stem against longitudinal movement within the opening in said member, and means to prevent rotation of the siphon stem within the opening in said member consisting of a lug on the stem adapted to enter a notch in the member, said notch and lug cooperating to limit inward movement of the stem within the member.

1,532,663. TREATMENT OF MOLTEN BATHS. PORTER W. SHIMER, Easton, Pa. Filed May 15, 1923. Serial No. 639,218. 23 Claims. (Cl. 148—15.)

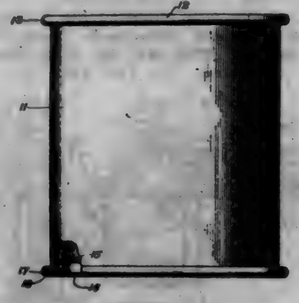
1. The method of purifying a molten bath of the character described which comprises subjecting the molten bath to the action of an alkali cyanide.

1,532,664. AUTOMATIC TELEPHONE SYSTEM. SIDNEY REYNELL SMITH, London, and JOHN SAVIN, Liverpool, England, assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1921. Serial No. 434,857. 17 Claims. (Cl. 179—90.)



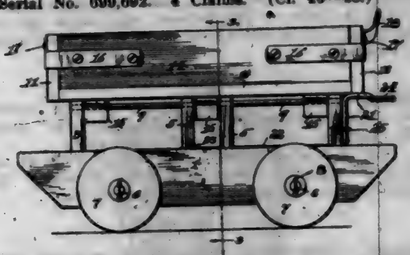
1. In a calling device for automatic telephone systems, a manually operable calling dial, a finger stop limiting the movement of said dial, impulse sending mechanism operated by said dial on its return, locking means operating to delay the return of said dial and effective to introduce a minimum time interval between successive actuations of said dial, and cooperating means between the said dial and locking means whereby the delay is omitted in case the normal time interval between successive actuations of said dial exceeds the minimum.

1,532,665. CONTAINER. CHARLES STOLLBERG, New York, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 28, 1921. Serial No. 518,203. 2 Claims. (Cl. 220—67.)



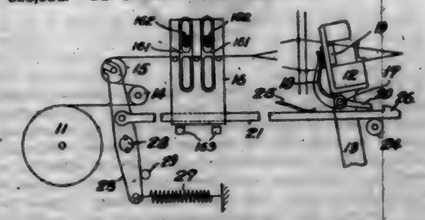
1. A container comprising a tubular body having a flangeless end portion, an end member welded to the body continuously along a zone extending entirely around the body, and having an outwardly extending flange, and a wire enclosed within said flange in a roll on the outside of the container, said roll gripping the wire against the side of the body and thereby reinforcing the welded joint.

1,532,666. TOY DUMP WAGON. JOHN WARDE and OTTO W. HOFF, Chicago, Ill. Filed Mar. 17, 1924. Serial No. 699,692. 4 Claims. (Cl. 46—48.)



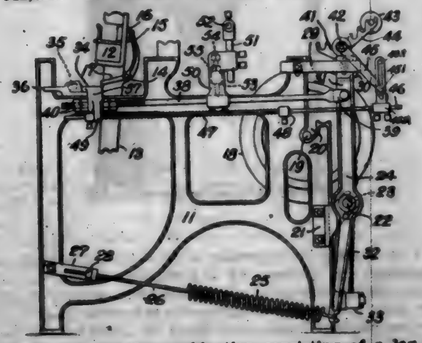
1. A toy dump wagon comprising a frame on wheels, supporting members extending above the top of the frame, horizontal and inclined top margins on said supporting members, a pivot bar in said supporting members extending lengthwise of the frame, a wagon body swingingly mounted on said pivot bar and a hinged side member to the body.

1,532,667. MEANS FOR PROTECTING WARPS FROM DAMAGE IN LOOMS. WILLIAM H. BAKER, Montreal, Quebec, Canada. Filed Feb. 12, 1923. Serial No. 618,584. 24 Claims. (Cl. 139—115.)



1. In a loom having a warp-beam, a movably-mounted warp guide with which the warp is engaged on its way from the warp-beam, a lay, and protector-mechanism including a dagger and a frog, the latter connected operatively with said warp-guide for warp-slackening and lay-arresting purposes, the combination with said elements of yielding means holding said warp-guide in normal position, such means capable of arresting the lay without shock before completion of the beating-up movement of the lay by absorbing the momentum of the lay.

1,532,668. MEANS FOR PROTECTING WARPS FROM DAMAGE IN LOOMS. WILLIAM H. BAKER, Montreal, Quebec, Canada. Filed May 25, 1923. Serial No. 641,420. 27 Claims. (Cl. 139—115.)



1. In a loom, the combination consisting of a lay, a warp-beam, a whip-roll, a whip-roll support constituted of a swing-frame comprising a transversely-extending rockshaft arranged below the warp-beam and arms on which the whip-roll is mounted with capacity to rock relative to the arms in response to variations in the tension of the warp, and so that the whip-roll is carried forward and rearward by the swing-frame as the latter swings; protector-mechanism connecting with said swing-frame, and momentum-absorbing means holding the swing-frame in its normal position and operating to arrest the lay in its beating-up movement, without shock, when the protector-mechanism connects the lay with the swing-frame.

1,532,669. SHOOTING APPARATUS. EMIL A. BARTHEKI, St. Louis, Mo. Filed Apr. 26, 1924. Serial No. 709,114. 4 Claims. (Cl. 124—15.)



1. In a gun, the combination of a projectile-impelling hammer, spring means tending to advance the hammer, a lever in operative relation with the said hammer, a star-shaped trigger for operating the said lever, and a resilient element for preventing operation of said trigger in the wrong direction after having been actuated for operating the said lever.

1,532,670. TUBING SUPPORT. LESLIE J. BECHAUD, Coalinga, Calif. Filed Jan. 12, 1924. Serial No. 685,886. 7 Claims. (Cl. 103—219.)



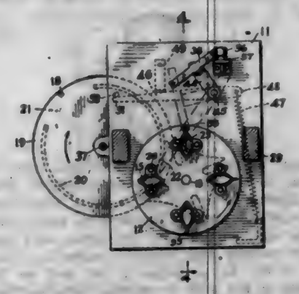
1. An apparatus for locking tubing within a well casing comprising gripper slips carried by the tubing, and means adapted for placing under tension for forcing and retaining said gripper slips into locking engagement with said casing, said means being operable on the axial rotation of the tubing within the casing for moving said gripper slips into locking engagement with the casing and into released position therefrom enabling the ready adjustment of the tubing within the well casing after the same has been once locked therein.

1,532,671. WAIST-BELT HOLDER. ALBERT J. BENNETT, Chicago, Ill. Filed July 5, 1923. Serial No. 649,526. 2 Claims. (Cl. 241—9.)



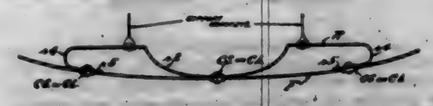
1. A waist belt holder, comprising a pair of plate members connected together in spaced parallel relation by an end bend of a U form for abutment against the vertical edge of the flap of a garment, one member having a pair of marginal flanges for holding engagement with the edges of a waist belt, and the other member having a slot for engagement with the attaching means by which the meeting ends of the garment band are fastened together, the entry to said slot being in the upper edge of the member.

1,532,672. ARTIFICIAL-FLOWER MACHINE. SALVATORE BERTONA, New York, N. Y. Filed Sept. 20, 1924. Serial No. 738,750. 10 Claims. (Cl. 41—2.)



2. In a machine of the character described, a rotatable die table, a series of equally spaced dies on said table, a reciprocatory die cooperating with said spaced dies for impressing a blank, means for intermittently rotating said table for bringing each of said dies successively in alignment with said reciprocatory die, a pair of gripping jaws operatively connected to the table rotating means and adapted to grip a blank therebetween for removing the impressed blank from the die in which it is held, and for forwarding said blank to a delivery station, and stationary means for opening said jaws for causing said jaws to release said blank at said delivery station.

1,532,673. AUTOMOBILE BUMPER. JOSEPH H. BERTRAND, Jr., Albany, N. Y. Filed June 6, 1924. Serial No. 718,403. 3 Claims. (Cl. 293—58.)



3. In an automobile bumper; a flat spring rear member provided with spaced bracket attaching points between which is a forwardly curved arch, the ends of said member curved forward and inward to form U-shaped loops; cross bars with attaching means, attached to the free ends of the loops of said rear member; and a pair of substantially identically shaped flat spring front members, the central portion thereof offset edgewise, adapted to be attached to said cross bars with the offset either in the same or in reversed position relative to the horizontal axis of said front members.

1,532,674. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1921. Serial No. 436,532. 12 Claims. (Cl. 188—185.)



8. In a governor, a rotatable shaft, a floating ring concentric with said shaft, friction devices attached to said shaft and adapted to engage the inside surface of said ring under the action of centrifugal force, a grooved pulley mounted on said shaft, and a steel wire arranged to engage the surface of the groove when the said ring moves responsive to the engagement of said friction devices.

1,532,675. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1921. Serial No. 437,283. 16 Claims. (Cl. 188—184.)



7. In a speed governor, a shaft, a rotatable frictional surface movable parallel to said shaft, and a second rotatable frictional surface movable radially with respect to said shaft.

1,532,676. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1921. Serial No. 438,996. 21 Claims. (Cl. 179—90.)



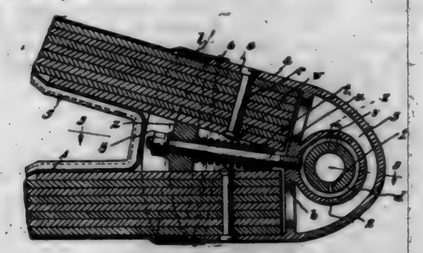
1. In a calling device, a combination of shunt and interrupter springs, a shaft having a cam fixed thereto, and mechanism associated therewith for operating said shaft during one period to directly engage and operate said shunt springs and during another period to alternately open and close said interrupter springs through the medium of said cam.

1,532,677. AUTOMATIC CALLING DEVICE. JOHN G. BLESSING, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 2, 1921. Serial No. 441,938. 11 Claims. (Cl. 179—90.)



1. In a calling device, springs, a shaft carrying a gear on one end and a cam interrupter on the other end, said shaft movable endwise, a rotatable finger hole dial, a projection on said dial directly engaging said gear, said projection moving said gear shaft endwise while the cam is rotating to operate said springs.

1,532,678. VEHICLE SPRING. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Mar. 12, 1924. Serial No. 698,647. 15 Claims. (Cl. 267—41.)



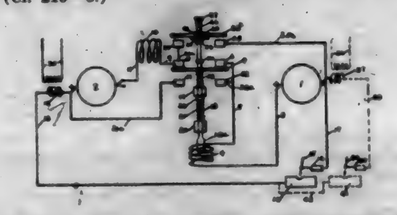
7. In a spring assembly, the combination of a hollow unit anchor casing provided with an open mouth, a pair of springs having their large ends fitting into the said mouth, and wedging means for driving in between the spring ends longitudinally of the springs to anchor the ends of the spring in said casing.

1,532,679. GOLF CLUB. GEORGE W. BRADLEY, West Paterson, N. J. Filed Dec. 1, 1922. Serial No. 604,411. 1 Claim. (Cl. 273—81.)



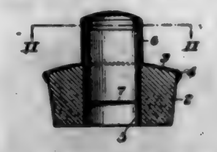
A golf club having on its handle a longitudinal yielding relatively prominent rib arranged in general radial opposition to the club head and formed with an outer face and also with a lateral face in angular relation to each other and together forming a relatively sharp edge, whereby when the club is gripped in the player's hand the rib will be impressed into the flesh thereof and said lateral face will become effective to resist shifting of the club or hand in one direction on the axis of the handle.

1,532,680. METHOD OF SUPPLYING CURRENT FOR ARC WELDING AND APPARATUS THEREFOR. HUGH A. BROWN and ALAN M. BENNETT, Erie, Pa. Filed Nov. 12, 1920. Serial No. 423,547. 29 Claims. (Cl. 219—8.)



1. The method of arc welding which consists in joining two sources of electric supply in series to strike the arc and then continuing the current from said sources in multiple.

1,532,681. TOP FOR BEVERAGE MIXERS. GERARD S. BRYCE, Mount Pleasant, Pa., assignor to Bryce Brothers Company, Mount Pleasant, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 685,977. 2 Claims. (Cl. 215—73.)



1. A closure of the character described, comprising a cork adapted to fit the mouth of a vessel, said cork having an opening therethrough, a plain faced spout extending through the opening in the cork, and a sheathing on top of the cork surrounding the spout, said sheathing having a downwardly and inwardly extending flange, the lower edge of the flange gripping the cork so that the upper portion of the cork is gripped between the spout and said lower edge of the flange, whereby the cork is secured against rotation relative to the spout and sheathing when the closure is applied and removed.

1,532,682. TEXTILE ROLL AND METHOD OF MAKING THE SAME. HERMAN F. BUSCH, Millvale, Pa., assignor to Armstrong Cork Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Continuation of application Serial No. 636,139, filed May 2, 1923. This application filed Apr. 14, 1924. Serial No. 706,353. 22 Claims. (Cl. 19—143.)

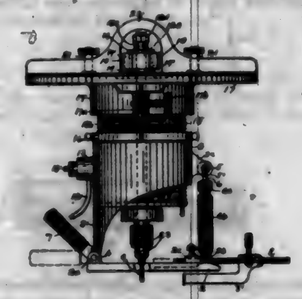


7. As an article of manufacture, a cot for textile rolls consisting of a tubular sleeve adapted to be slipped over a textile roll and formed from compressed artificial cork, the direction of compression of the cork being substantially parallel to the axis of the cot, substantially as described.

1,532,683. COMBINED MORTISING AND SHAPING MACHINE. RAY L. CARTER, Syracuse, N. Y. Filed Oct. 20, 1924. Serial No. 744,720. 11 Claims. (Cl. 144—134.)

1. A combined router and shaper, including a base, a hollow split cylindrical holder pivoted to the base, means for tilting the holder relatively to the plane of the base,

a motor adapted to drive tools for performing work above and below said holder, said motor being disposed concentrically and loosely in said holder, means for con-



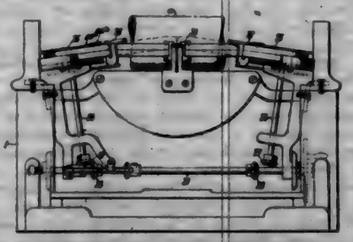
tracting the holder for preventing endwise movement of the motor, and means for adjusting the motor axially relatively to the holder when the clamping pressure is relaxed.

1,532,684. METHOD OF FACING WALL STRUCTURES. WILLIAM A. CARTER, Milwaukee, Wis. Filed July 9, 1923. Serial No. 650,469. 1 Claim. (Cl. 25—154.)



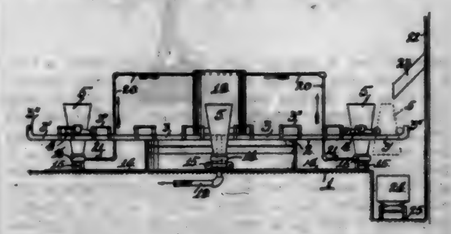
The method of forming a facing for a composite wall which consists in molding said facing and dividing it into blocks, filling in between said blocks to represent mortar and uniting the whole with the main wall.

1,532,685. TYPEWRITING MACHINE. CORNELIUS B. CORCORAN, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 17, 1920. Serial No. 359,235. 1 Claim. (Cl. 197—151.)



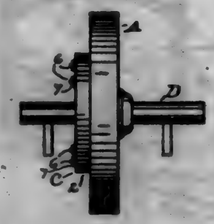
Ribbon-mechanism for a typewriting machine in which the platen is given a case-shift movement, comprising, in combination, a ribbon-vibrator normally holding a ribbon below the printing line, ribbon-vibrator-actuating means to position the ribbon for printing therethrough in lower and upper case, a ribbon-spool at each side of the machine adjacent the platen, the axes of said ribbon-spools being in the same vertical plane, parallel to the writing line, and diverging upwardly and laterally with respect to a plane perpendicular to the axis of the platen, a flanged roller to guide the ribbon in the proper direction from the spool, and a slotted guide for the ribbon between the roller and the printing point, the inclination and elevation of each spool and the corresponding guide-roller and slotted guide being such that the friction between the roller and the ribbon, due to the lifting of the vibrator for printing in upper case, will be avoided and interference with the proper drawing off of the ribbon from the ribbon-spool will be eliminated.

1,532,686. APPARATUS FOR THE DISTILLATION OF MATERIALS. STEPHEN HENRY CORFIELD, Santa Maria, Calif., assignor to Distillation Products Co., Phoenix, Ariz., a Corporation of Arizona. Filed Jan. 10, 1924. Serial No. 685,293. 8 Claims. (Cl. 203—6.)



4. An apparatus for the distillation of materials comprising a distillation container having an open top and a grated bottom, said container diminishing in cross sectional area from top to bottom; means adapting said container to be moved into and out of charging and functioning positions; a chambered base member underlying the container; means for lifting and lowering said container from an into communicative association with said chambered base member; means for applying suction to said base member; and means for inverting said container when free from said base member.

1,532,687. BALANCING DEVICE FOR POLISHING WHEELS. FRANK DARLING and JOHN ROCHE, Battle Creek, Mich. Filed July 19, 1922. Serial No. 576,147. 1 Claim. (Cl. 51—169.)

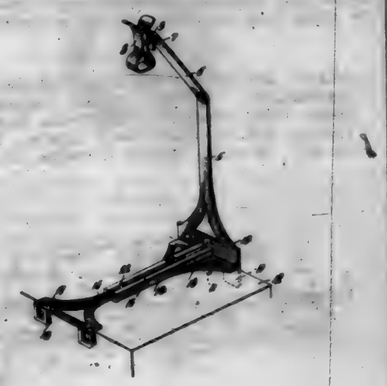


A balancing device having in combination a disc-shaped body with a peripheral rectangular groove opening on one side, said groove having centrally-disposed arcuate slots formed through its bottom, arcuate weights carried in said groove, bolts passing through said slots and engaging said weights, binding plates passing over said bolts and nuts run onto said bolts over said plates whereby said weights may be adjustably secured within the groove of said disc, substantially as described.

1,532,688. RADIO RECEIVER HOLDER. ARTHUR FRAUENSTEIN, Great Neck, N. Y. Filed Oct. 12, 1922. Serial No. 594,158. 1 Claim. (Cl. 248—30.)

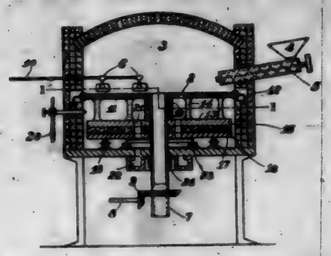
A radio receiver holder comprising a body terminating in an enlarged portion at its lower end, spaced depending fingers formed on the enlarged portion, a right angularly disposed arm formed on the enlarged portion directly above the fingers, a T-shaped guide carried by the

arm, a slide arm slidably fitted in the T-shaped guide, the outer end of the slide arm being enlarged, depending ears formed on the enlarged end of the arm, the ears being disposed in spaced parallel relation to the fingers,



an upright guide pin carried by the slide arm and fitted in the T-shaped guide, means to clamp the slide arm in an adjusted position, and an angularly disposed supporting arm formed on the upper end of the body arranged over the guide.

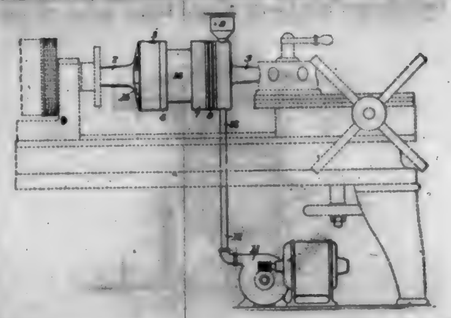
1,532,689. FURNACE. JOHN FITZPATRICK, Cincinnati, Ohio, assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed June 27, 1923. Serial No. 648,008. 3 Claims. (Cl. 263—35.)



1. A furnace including an enclosed material-heating chamber, a rotatable hearth therefor adapted to hold the material to be heated and having a hollow shaft about the axis of which the hearth rotates, means for charging the hearth adjacent its edge, and means for discharging the hearth through the hollow shaft, substantially as described.

1,532,690. METHOD AND APPARATUS FOR MAKING CENTRIFUGAL CASTINGS. PATRICK J. FLANNERY, New Castle, Pa., assignor to The Johnson Bronze Company, New Castle, Pa., a Corporation of Pennsylvania. Filed Nov. 22, 1922. Serial No. 602,527. 6 Claims. (Cl. 22—65.)

1. In apparatus for centrifugal casting, a mold, a live head adapted to rotate the mold and to support one end thereof, and a dead head adapted to support the other end thereof, the dead head having an opening for the

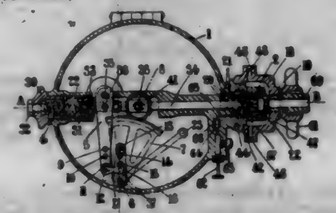


molten material to be cast and a second opening for the introduction of a cooling medium, substantially as described.

1,532,691. MANUFACTURE OF PUDDLED IRON. EDWARD L. FORD, Youngstown, Ohio. Filed Apr. 9, 1923. Serial No. 630,942. 5 Claims. (Cl. 75—48.)

1. In the manufacture of puddled iron, the step consisting of adding to the puddle bath an oxide of iron reagent having an artificially reduced oxygen content.

1,532,692. APPARATUS FOR INDICATING AND REGISTERING THE STROKE AVERAGE OF THE PISTON PRESSURE IN PRIME MOVERS, PUMPS, OR COMPRESSORS. JOSEF GEIGER, Augsburg, Germany. Filed Dec. 8, 1924. Serial No. 754,677. 17 Claims. (Cl. 73—186.)

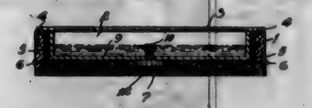


1. Apparatus for indicating the stroke-average of the piston pressure in piston prime movers, pumps and compressors comprising: an actuating member adapted to be controlled by the fluid pressure within the cylinder of the prime mover, pump or compressor but having no mechanical connection with the piston of the prime mover, pump or compressor; an indicating member; a scale on which the positions of the indicating member may be read directly in terms of the stroke-average of the piston pressure; an inertia mass associated with the indicating member; a speed increasing transmission device for transmitting the movement of the actuating member to the inertia mass; a stationary casing; and a spring member connected to the stationary casing and opposing the actuating member, the elasticity of the spring member being so chosen as to allow the inertia mass to remain at rest during occurring rapid changes of the fluid pressure in the engine, substantially as described.

1,532,693. MANUFACTURE OF SOAP. VICTOR HUGO GOTTSCHALK, Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 26, 1920. Serial No. 406,192. 5 Claims. (Cl. 87—16.)

4. The method of producing semi-milled floating soap, which comprises subjecting freshly produced disintegrated, aerated and spray dried granulated or shredded soap to a suitable milling and plodding operation to convert the particles into a coherent and homogeneous product, and controlling such operation to retain sufficient air to cause the product to float.

1,532,694. VULCANIZING MACHINE. WILLIAM A. GWYNN, St. Louis, Mo., assignor to Susie E. Gwynn, St. Louis, Mo. Filed Apr. 14, 1922. Serial No. 552,580. 7 Claims. (Cl. 18—18.)



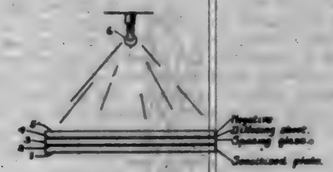
1. In a vulcanizing apparatus, in combination with a casing, a vulcanizing chamber having a top or cover welded thereon and projecting beyond the body of the vulcanizing chamber to form flanged supports mounted on the upper edge of said casing.

1,532,695. METAL BUILDING. WALTER C. HARTING, THOMAS A. SINDELAR, and CARL E. DAVID, Cleveland, Ohio, assignors to Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 27, 1920. Serial No. 361,786. 5 Claims. (Cl. 108—1.)



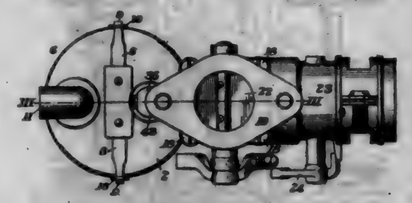
1. In a metallic building, the combination with a plurality of trusses, each having a centrally slotted ridge gusset plate, of ridge angle strips, having body portions adapted to fit said slots, the ends of said body portions being bent laterally to hold said ridge strips against longitudinal movement.

1,532,696. PROCESS OF MAKING HALFTONE PRINTING PLATES. ROBERT J. HAGGARD, Brooklyn, AMOS H. SPALDING, Arverne, and FRANK T. POWERS, Douglaston Manor, N. Y., assignors to Powers Photo-engraving Company, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1921. Serial No. 502,756. 20 Claims. (Cl. 95—5.7.)



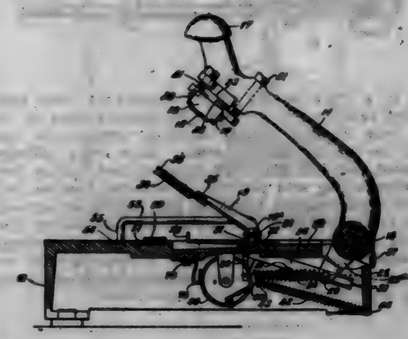
1. The process of making printing plates which comprises sensitising a plate, impressing on the sensitised plate by light action the shadows and dark intermediate tones only of an original, developing and etching the plate, resensitising the plate, impressing on the re-sensitised plate by light action all the tones of the original, and developing and etching the plate.

1,532,697. CARBURETOR. VICTOR R. HEWTLER, Detroit, Mich., assignor to Société du Carburateur Zenith, Lyon, France, a Corporation of France. Filed June 25, 1918. Serial No. 241,851. 1 Claim. (Cl. 261—1.)



In a carburetor, a main body section, a float chamber secured against a lower surface of such body section, a gasoline inlet leading downwardly through the body section to the float chamber, a projecting portion on said main section having a channel therein for delivering fuel to a fuel outlet, a stem projecting downwardly from said section having a fuel well formed therein, a secondary body section fitting against said main section and having a mixing chamber formed therein, a fuel feeding tube extending into the aforementioned well, and a projecting member extending from said secondary body section, said member constituting a supporting means for said fuel feeding tube and having a fuel passage formed therein for cooperating with said fuel feeding tube.

1,532,698. PRINTING DEVICE. JOHN E. JOHNSON, Chicago, Ill., assignor to The Speedaumatic Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 20, 1923. Serial No. 618,805. 14 Claims. (Cl. 101—65.)

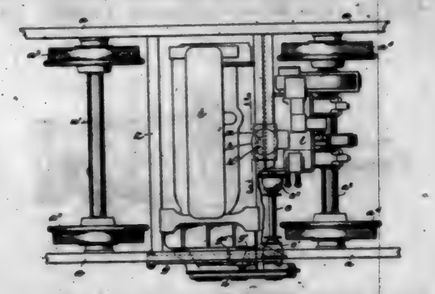


1. In a device of the type described, a base member for superting material upon which impressions are to be made, adjustable means for properly positioning the material comprising a pivotally mounted member having a vertically disposed guided rod at its end, said base member being provided with an arcuate slot into which said rod projects to a point below the surface of said base member.

1,532,699. BOGIE TRUCK FOR SELF-PROPELLED RAIL CARS. LYMAN C. JOSEPHS, Jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 15, 1923. Serial No. 657,482. 5 Claims. (Cl. 105—62.)

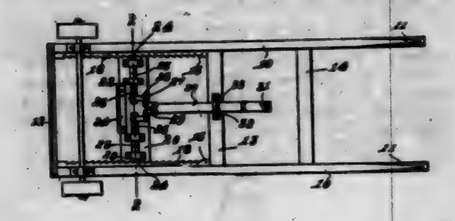
1. In a self-propelled bogie truck a chassis frame, springs to support the frame on the axles, a propelling

motor mounted on the frame, a change speed transmission, means to mount the transmission partly on the



driven axle and pivotal means to support it partly on the frame, and means to connect the motor with the transmission in driving engagement.

1,532,700. HAND TRUCK. WILLIAM P. KINSELLA, Bayside, N. Y., assignor of one-half to Bert G. Ball, Astoria, N. Y., and of one-half to Charles F. Heerlein, Long Island City, N. Y. Filed May 2, 1924. Serial No. 710,655. 3 Claims. (Cl. 280—57.)



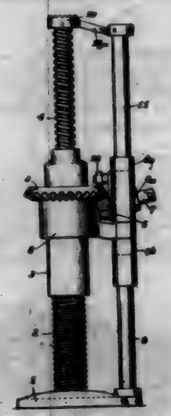
1. In a truck having sides connected by cross bars, ratchet bars secured upon the confronting sides of the side bars, a plate slidably mounted between the side bars, outwardly spring pressed latch bars slidably mounted upon the plate and engaging said ratchet bars for maintaining said plate in an adjusted position, and means connected with said latch bars for retracting them from engagement with the ratchet bars, said means comprising angle levers pivoted upon the plate and pivotally connected with the latches, and a longitudinally extending and movable member guidably mounted on the truck and connected with the angle levers.

1,532,701. CURTAIN-ROD FIXTURE. WILLIAM W. KOSMINSKI, Milwaukee, Wis. Filed Dec. 30, 1922. Serial No. 609,951. 2 Claims. (Cl. 156—24.)



1. The combination of a bracket having clamping arms adapated to engage opposite sides of a vertical facing, means for drawing said arms towards each other, a support extending upwardly from said clamping arms and having a pair of spaced bars one of which is slotted, and an adapter having a slot extending upwardly from its lower edge thereby providing a downwardly extending finger adapted to be positioned between said bars, said slots in said bar and adapter being adapted to receive a portion of said adapter and bar, respectively.

1,532,702. LIFTING JACK. GEORGE LANE. Poughkeepsie, N. Y., assignor to Lane Brothers Company, Poughkeepsie, N. Y., a Joint Stock Association of New York. Filed Nov. 10, 1924. Serial No. 748,951. 8 Claims. (Cl. 254—102.)



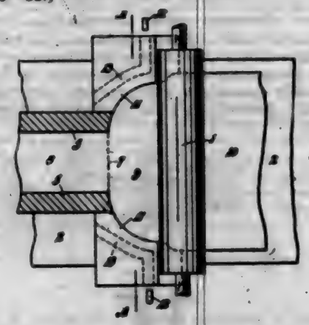
1. A lifting jack comprising screws of opposite pitch fitting one within the other, a shell enclosing the two screws and provided with nuts at its ends to engage the screws, a gear fast to the shell, a support journaled on the shell, a rotary shaft mounted in the support, a gear thereon engaging the first named gear, and means connected from the base for preventing rotation of the support.

1,532,703. METHOD OF CONTROLLING THE ELASTICITY OF AN ELASTIC-METAL STRINGING. WILLIAM A. LARNED, Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio, a Corporation of Ohio. Filed July 17, 1923. Serial No. 652,093. 4 Claims. (Cl. 117—58.)



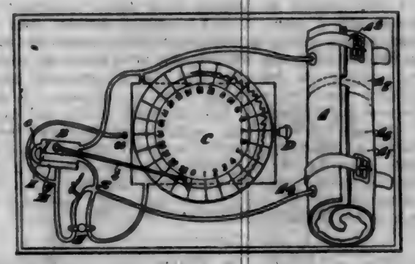
1. The method of controlling the elasticity of a metal stringing comprising a number of wires wound together, which consists in varying the pitch on which the wires are wound.

1,532,704. APPARATUS FOR PRODUCING A CONTINUOUS STRIP OF GLASS. ERNEST BRISTOW LE MARE, St. Helens, England, assignor to Pilkington Brothers Limited, Liverpool, England, a British Company. Filed Sept. 10, 1924. Serial No. 738,045. 10 Claims. (Cl. 49—83.)



1. In apparatus for producing a continuous strip of glass by rolling glass contained in a pool formed on one member of the rolling apparatus and fed from a melting tank, the combination with the said rolling apparatus of side walls confining the pool up to the pass thereof, and means adapted to maintain the said side walls at a high temperature.

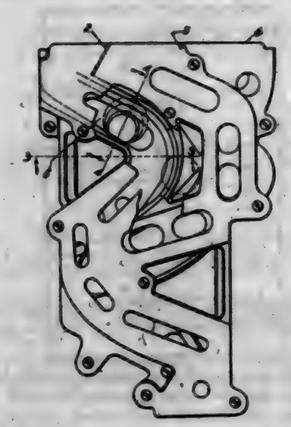
1,532,705. METHOD AND APPARATUS FOR MEASURING PULSATING PRESSURES. ABRAM LEVIN, Simferopol, Russia. Filed July 14, 1924. Serial No. 726,053. 25 Claims. (Cl. 234—1.)



9. A method of recording blood pressure consisting in applying a flexible container to the body over an artery, inflating said container with an opposing pressure adapted to transmit the pulsations of said blood pressure, applying such opposing pressure also to one side of a manometric diaphragm, applying a nonpulsating counterbalancing pressure to the other side of said diaphragm, varying said opposing and counterbalancing pressures while maintaining the latter substantially equal to said opposing pressure, whereby said diaphragm is sensitively vibrately solely by the transmitted pulsations of the blood, employing the vibrations of said diaphragm to actuate one of cooperating marking and record elements and actuating the other of said elements by said variation of the opposing pressure.

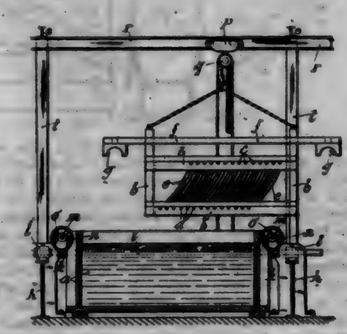
1,532,706. TELEPHONE PAY STATION. GEORGE A. LOKE, Hartford, Conn., assignor to The Gray Telephone Pay Station Company, Hartford, Conn., a Corporation of Connecticut. Filed Sept. 27, 1924. Serial No. 740,220. 1 Claim. (Cl. 194—1.)

A chute for pay stations having a discharge slot in one side thereof, its top comprising parallel ridges spaced successively at greater distances from the bottom of the chute, said bottom being inclined away from the



slotted side of the chute whereby coins of improper sizes are discharged through said slot.

1,532,707. MACHINE FOR TREATING SKEINS OR HANKS IN DYEING ROOMS. BARTHELEMY MAYOUX, St.-Etienne, France. Filed Jan. 6, 1922. Serial No. 527,348. 1 Claim. (Cl. 8—19.)

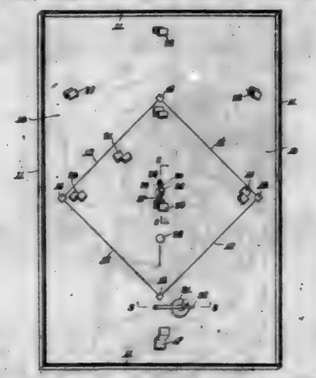


A machine of the character described comprising, a movable frame for supporting the skeins, means for supporting this frame, and mechanism for moving the frame along an endless path; said mechanism consisting of a main shaft and a plurality of transverse shafts, worm gears connecting said main and transverse shafts, said transverse shafts bearing eccentrics, and half collars upon the frame fitted to cooperate with said eccentrics.

1,532,708. BASEBALL GAME. IRVING B. MOORE, Watertown, Mass. Filed Apr. 15, 1922. Serial No. 553,187. 3 Claims. (Cl. 272—89.)

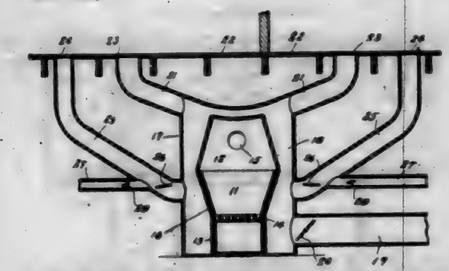
1. In a device of the class described, a board having thereon the representation of a base ball diamond; a batting device thereon; ball stopping devices in the position of the various players, that in pitcher's position having an opening through its vertical wall; a mem-

ber adapted to be manually held on said board in various positions; a ball-impelling plunger extending therethrough and adapted to pass through said opening in



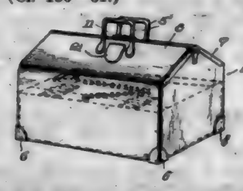
the pitcher's stopping device at various horizontal angles thereto; and resilient means secured to said member for actuating said plunger.

1,532,709. HEATING AND VENTILATING SYSTEM. RICHARD REED MORRILL, Palo Alto, Calif. Filed Aug. 21, 1922. Serial No. 583,264. 5 Claims. (Cl. 237—48.)



5. In a heating and ventilating system, the combination of a furnace, a hot air chamber surrounding said furnace, a fresh air supply pipe connected to said chamber, hot air pipes leading from the upper end of said chamber for conveying hot air to the building, downwardly inclined return pipes leading from the low portion of said building to the low portion of said chamber for returning the air thereto, a foul air discharge pipe connected to the low portion of each return pipe and opening to the atmosphere, an adjustable closure member in each discharge pipe for controlling the passage therethrough, and adjustable closure means arranged in each return pipe between said chamber and said discharge pipe.

1,532,710. SATCHEL. JOHN B. NELLEGAR, Jr., Chicago, Ill. Filed Mar. 21, 1921. Serial No. 454,067. 3 Claims. (Cl. 190—61.)



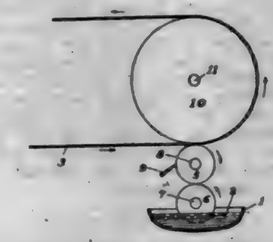
1. In a device of the character described in combination with a satchel constructed of flexible material and provided with a handle and lock, of a metallic receptacle for valuables snugly fitted in said satchel provided with a cover and lock, said receptacle carrying an eye-bolt rigidly secured thereto, a chain fitted in said eye-bolt and an opening in said satchel through which said chain may be projected.

1,532,711. METHOD AND APPARATUS FOR THE FORMATION OF PILING. DONALD MCGREGOR NEWTON, Montclair, N. J., assignor to MacArthur Concrete Pile & Foundation Co., Inc., New York, N. Y., a Corporation of Delaware. Filed Apr. 21, 1920, Serial No. 375,644. Renewed Oct. 14, 1924. 6 Claims. (Cl. 61—57.)



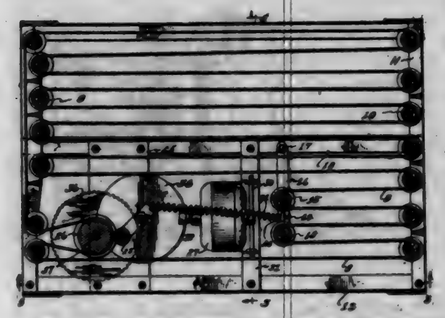
4. The method of forming piles which comprises inserting into a casing a ram normally movable with respect to the casing but having thereon means to limit the movement thereof when its end is adjacent the casing end, moving the ram into said casing until said means becomes operative, applying force to the ram to sink the ram and the casing into the earth to the full depth of the pile to be formed, withdrawing the ram, introducing a plastic foundation material into the casing, again inserting the ram and thereafter employing the ram to compact and to move said material, upon the withdrawal of the casing, into the cavity presented by such withdrawal.

1,532,712. METHOD OF PRODUCING CONFIGURED PAPER. HERMAN C. ORCHARD, St. Louis, Mo., assignor to Orchard Paper Company, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 18, 1922. Serial No. 537,406. 2 Claims. (Cl. 41—21.)



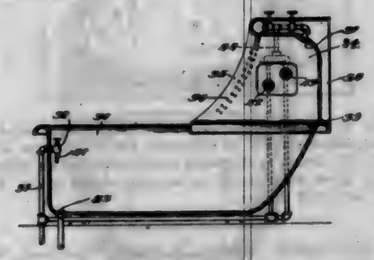
1. The herein-described method of producing sheet paper marked with a visible configuration immediately within one of its surfaces and visible on both sides of the sheet without light passing therethrough, consisting in imprinting on one surface of the paper a liquid containing mineral oil mixed with rosin.

1,532,713. ADVERTISING DEVICE. GEORGE K. PARSONS, Detroit, Mich. Filed Apr. 7, 1922. Serial No. 550,385. 4 Claims. (Cl. 40—82.)



1. In a device of the character described, a frame having a display opening therein, a series of guide rollers journaled in the frame, a drive roller, an endless belt arranged to travel over said rollers and past the display opening, means for rotating the drive roller, and means for maintaining the belt in taut condition, comprising a tensioning roller over which the belt passes, a pivoted rod in which the tensioning roller is journaled, a tensioning spring secured to said rod and adapted to swing the rod and tensioning roller to take up all slack in the endless belt, a pressure roller arranged to hold the belt in contact with the drive roller, a pivoted bracket in which the pressure roller is mounted, and means whereby the tensioning spring may be secured to said bracket to urge the pressure roller toward the drive roller.

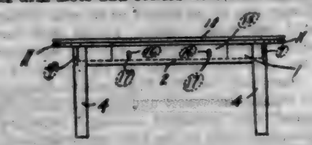
1,532,714. BATHTUB. LEON RIVERA PAUL, Chicago, Ill. Filed Mar. 7, 1924. Serial No. 697,550. 2 Claims. (Cl. 4—148.)



1. As an attachment to a bath tub, an arched hood provided at the bottom with a curved flange fitting over the roll-edge of the tub and made along its arched front edge with a tubular rim having rows of orifices inwardly directed, the hood comprising between the flange and the said rim an outer and an inner wall, there being in said inner wall a recess, water connections leading into the space between said walls, and control valves in said connections having handles seated in said recess.

1,532,715. EXTENSION TABLE. ANTHONY PETRARCA, Cleveland, Ohio. Filed Sept. 17, 1923. Serial No. 663,039. 1 Claim. (Cl. 45—9.)

A table of the kind described, comprising side bars, end bars, legs, top board, side bar slides and leaf guide bars, the said guide bars being reduced on their upper sides at the ends thereof to form leaf recesses, and the end bars having leaf arm slots cut therein; leaf guide bars extended between the end bars inside the legs and having grooves cut therein; leaf arms adapted to slide in the leaf arm slots and rollers at their ends adapted to



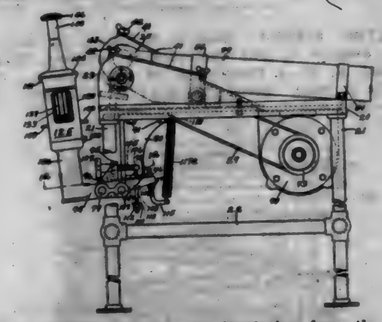
slide in the leaf guide bar grooves; and end leaves fastened upon the said leaf arms, the said leaves being rounded off at their outer corners.

1,532,716. MILL. ALFRED G. PLACE and ALFRED E. JUPP, Youngstown, Ohio. Filed Jan. 27, 1922. Serial No. 532,115. 19 Claims. (Cl. 198—21.)



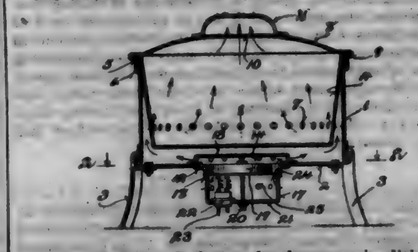
1. In a method of controlling the direction of travel of moving pieces of material, regardless of the length of such pieces, the steps which consist in providing a direction controlling means and utilizing a predetermined length of each piece to control said means, substantially as described.

1,532,717. INSULATION STRIPPING MACHINE. WILLIAM A. SCHILLER, Anderson, Ind. Filed Jan. 20, 1923. Serial No. 614,040. 10 Claims. (Cl. 15—21.)



1. A machine for stripping insulation from the leads of armature coils comprising, in combination, an insulation stripping device, a device for holding the armature with a portion of each coil lead enclosed, and means for moving one device relative to the other.

1,532,718. ELECTRIC DEHYDRATOR. LAMAR H. SHOVER, Milwaukee, Wis. Filed Oct. 20, 1924. Serial No. 744,841. 4 Claims. (Cl. 34—21.)



4. An electric dehydrator for hygroscopic disks comprising a main vessel having vertical side walls and a centrally apertured transverse bottom, said bottom having a notched circular flange surrounding said aperture

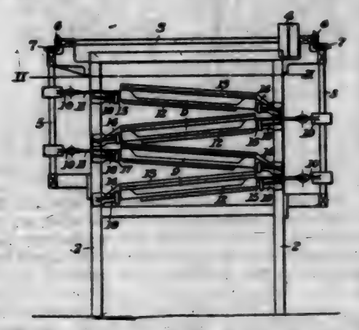
and having a guard plate spaced above said aperture, an electric heater comprising a casing having outwardly projecting lugs adapted to be passed through the notches in said flange and to be seated upon such flange, a heating element removably carried within said casing, said casing and heating element having apertures therethrough for the free passage of air upwardly into said vessel, a container for the hygroscopic disks removably positioned within the vessel and carried from the vertical walls thereof, said container having a plurality of regularly spaced apertures in its side walls adjacent the bottom thereof, and an apertured cover for said container.

1,532,719. METAL REENFORCED-CONCRETE RAILWAY TIE. HERMAN SILVER, Minneapolis, Minn. Filed Aug. 8, 1924. Serial No. 730,879. 11 Claims. (Cl. 238—86.)



10. A metal reenforced concrete railway tie comprising a concrete body, sleeves extending through said body, and transverse end tie bars connecting said sleeves in pairs, said sleeves having shoulders from which said end tie bars are supported.

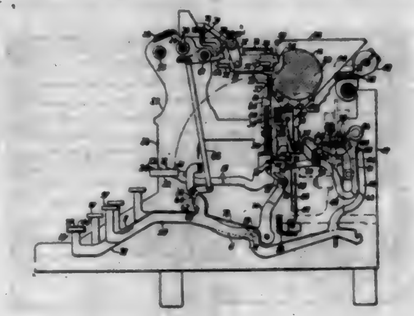
1,532,720. SIFTER. EDMUND S. SMITH, La Salle, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed June 1, 1923. Serial No. 642,774. 7 Claims. (Cl. 83—56.)



1. A sifter comprising a vertically extending main supporting frame, a screen, a horizontally extending flexible member attached to each end of said screen, each of said members being attached at its medial portion to said screen and at its ends to said frame, permitting motion of said screen in a single plane only, and means for reciprocating said screen in a rectilinear path, comprising an eccentric mounted on a vertical driving shaft and means connecting said eccentric to one end of said screen, substantially as described.

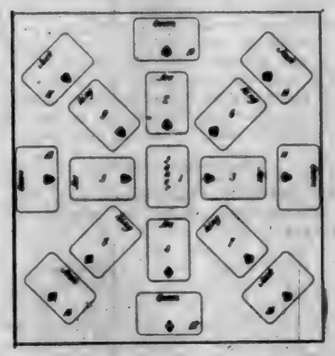
1,532,721. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 20, 1922. Serial No. 530,503. 34 Claims. (Cl. 197—72.)

1. A front-strike type-bar typewriting machine comprising type-bars, each having four types thereon, a platen, and a platen-shifting mechanism including a set of three shift-keys for shifting the platen in the same direction from its normal position to three different po-



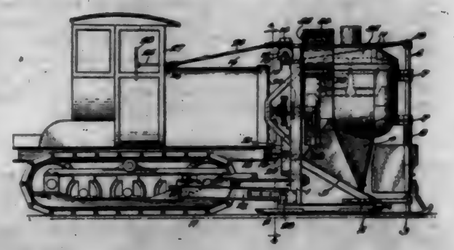
sitions, and means, including shift-key-controlled stop devices, for stopping the platen in all four of said positions.

1,532,722. PLAYING-CARD GAME. AGDA E. WALL, Brooklyn, N. Y. Filed Jan. 31, 1924. Serial No. 689,669. 4 Claims. (Cl. 273—135.)



1. In a playing card game, a chart having card receiving spaces marked to represent the joker, aces, kings, queens and jacks, said spaces being arranged as follows: a joker space surrounded by annular series of ace, king, queen and jack spaces.

1,532,723. PLOW. ARTHUR B. WEBB, Watertown, Wis., assignor to Monarch Tractors Incorporated, Watertown, Wis., a Corporation of Delaware. Filed Dec. 21, 1923. Serial No. 681,982. 16 Claims. (Cl. 37—43.)



1. A plow including a downwardly and forwardly inclined substantially horizontal shovel; and an upright cutter located at and above a mid portion of said shovel.

1,532,724. HOSIERY. DANIEL YOUNG, Brooklyn, N. Y., assignor to Young Inventions, Inc., a Corporation of New York. Filed Aug. 19, 1922. Serial No. 582,924. 4 Claims. (Cl. 66—4.)



1. An article of manufacture, a hose having a body portion and an upper cuff portion, said cuff portion from the body portion upward being of greater progressive thickness than said body portion thereby offering increased resistance to expansion of the cuff portion.

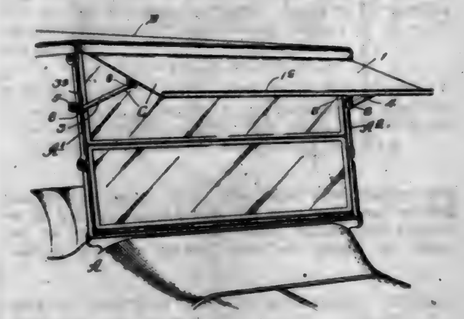
1,532,725. LAMINATED LANDING WHEEL OR THE LIKE. HARRY N. ATWOOD and GEORGE B. BAINS, 3d, Reading, Pa., assignors, by direct and mesne assignments, to Rubwood Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Dec. 24, 1920. Serial No. 432,940. 8 Claims. (Cl. 301—63.)



1. A wheel comprising a hub, a felly, and side walls united at their central portions to the ends of the hub and at their peripheral portions to the opposite sides of the felly, the said component parts of the wheel being made up of plies of fibrous material and bonding plies.

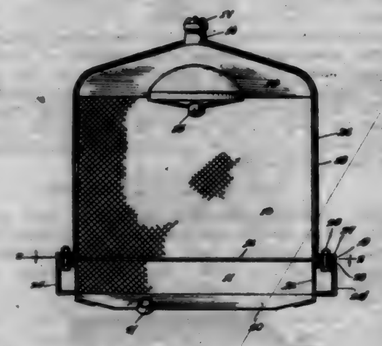
1,532,726. MOTOR-VEHICLE VISOR. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1921. Serial No. 513,060. 7 Claims. (Cl. 296—95.)

1. A device of the character set forth, comprising a visor, means for connecting the rear upper portion of the visor with the top of an automobile, a pair of links having their front ends pivotally connected with the lateral edges of said visor, angle-form brackets pivotally



connected with the rear ends of said links, and post-clamps adjustably secured to the free flanges of said brackets.

1,532,727. RADIATOR. CLAUDE V. BIXLER, Frankfort, Ky. Filed May 11, 1923. Serial No. 638,833. 1 Claim. (Cl. 257—125.)

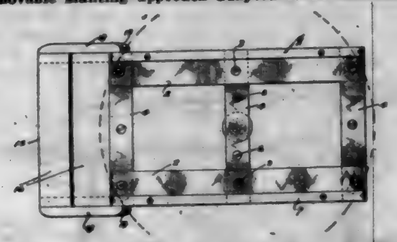


In a radiator for vehicle motors, the combination of a cross plate having an opening therein, a core section rigidly fixed to one side of the plate, and a complemental core section rigidly fixed to the opposite side of the plate to communicate with said first mentioned section through said opening, the plate forming a permanent connecting element between the core sections rigidly uniting said sections to form a core having the plate projecting at the side edges thereof and braced both transversely and longitudinally by the plate.

1,532,728. COMBINATION WORKSTAND AND TURNTABLE. FRANK J. BROSSY, Portland, Oreg., assignor of one-half to B. L. Schneer, Habana, Cuba. Filed Aug. 14, 1924. Serial No. 732,136. 4 Claims. (Cl. 104—44.)

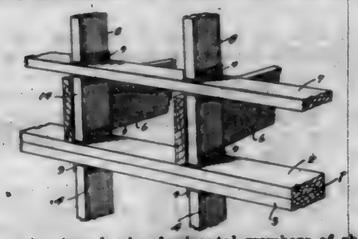
1. In a combination work stand and turn table for a motor vehicle, a standard, an open horizontal frame pivoted thereon presenting spaced runners for the ve-

hicle wheels, casters pivoted to the four corners of the frame for engagement with the ground surface and a removable slanting approach adapted to be interchange-



ably engaged with either end of the frame having projections extending from the sides thereof adapted to be brought into sliding engagement with the sides of the frame for locking the same against revolving motion.

1,532,729. SHRINKPROOF STUD SUPPORT. GUSTAF E. CARLSON, Oakland, Calif. Filed Oct. 16, 1923. Serial No. 668,926. 1 Claim. (Cl. 20—0.5.)



In a structure having horizontal members of shrinking material interposed between alined lengths of upright members, shoes receiving adjacent ends of the said lengths having pins of non-shrinking material extending into the the horizontal members and meeting therein so that one rests on the other for allowing the upper upright member to remain unaffected by the shrinking of the horizontal member.

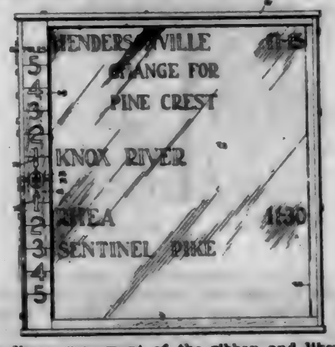
1,532,730. SMOKE AND GAS STRAINER AND FILTER. EMIL CHALUPA and THOMAS F. O'ROURKE, New York, N. Y., assignors to C. and O'R. Corporation, a Corporation of New York. Filed Jan. 7, 1924. Serial No. 684,829. 2 Claims. (Cl. 183—70.)



1. A smoke and gas strainer comprising a shell having an inlet at one end and an outlet at the other, in combination with cleats alined in series around the interior of the shell at desired intervals, wire mesh strainers, rings enveloping the edges of the strainers and having notches to pass one of the series of alined cleats and adapted to be turned on their axis to be arrested by the next series of alined cleats, and a baffle at the inlet end of the shell.

1,532,731. ROUTE INDICATOR FOR VEHICLES. PAUL H. COLEMAN and FRED W. STOUT, Lynch Mines, Ky. Filed Nov. 23, 1922. Serial No. 602,852. 5 Claims. (Cl. 40—42.)

1. In a vehicle, an apparatus for indicating the route taken by road vehicles comprising in combination a casing provided with a transparent face, spools mounted for rotation within the casing, a ribbon having serially disposed thereon indicia designating the stations of a route and connected at its opposite ends with the spools, means connected with the running gear of the vehicle for causing feeding of the ribbon from either spool, and an arrow mounted on the face of the casing for designat-



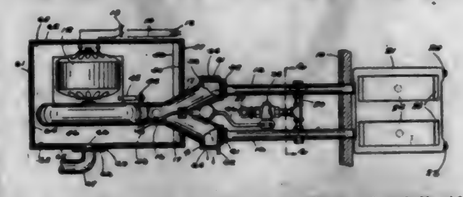
ing the linear movement of the ribbon and likewise the serially disposed names of the stations of the ribbon, and means connected with the operating means of the spool for automatically alining the arrow with the directional movement of the ribbon when a change in the direction of the vehicle is had, and means for maintaining the arrow in its directional position.

1,532,732. CIGARETTE HOLDER. DOUGLAS COLLINS, Salisbury, N. C. Filed Feb. 2, 1924. Serial No. 690,286. 6 Claims. (Cl. 131—10.)



1. The combination with a tubular holder having a socket head, of a longitudinally slidable ejector having a retaining-head adapted to project into the end of a cigarette and co-act with the socket head for retaining the cigarette.

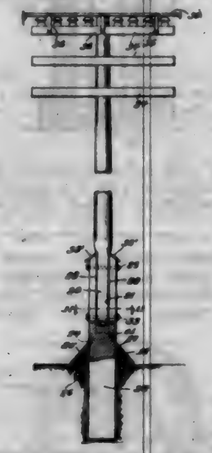
1,532,733. OIL-BURNING APPARATUS. FREDERICK A. DARCHSEL, Ottawa, Ontario, Canada. Filed Oct. 18, 1923. Serial No. 669,353. 3 Claims. (Cl. 158—28.)



3. An oil burning apparatus including a closed liquid chamber mounted in an enclosure; burner nozzles extended through said closed liquid chamber; heat retaining members mounted on said closed liquid chamber with certain of said members opposite the discharge end of said burner nozzles; supply and discharge pipes connected with said closed liquid chamber; air conducting pipes connecting said burner nozzles; an air supply pipe having extended portions connecting with said air conducting pipes; means for controlling passage of air into said air conducting pipes independently; means for forcing air into the air supply pipe; means for feeding the liquid fuel to said air conducting pipes; means for regulating the feed for the liquid to said air conducting

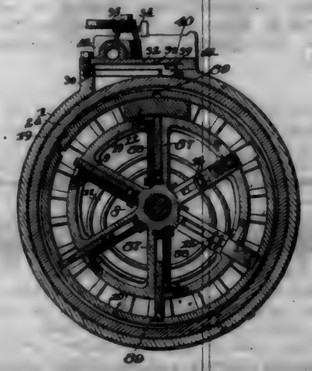
pipes; the air supply pipe having discharge valve openings adjacent the air conducting pipes; the means for closing the air conducting pipes comprising valves which are adapted when in open position to cover the discharge valve openings of the air supply pipe and permit free passage of the air into said air conducting pipes; the last mentioned valves serving when in closed position to cover the ends of the air conducting pipes and permit escape of the air from the air supply pipe to the surrounding atmosphere by way of said air escape valve openings.

1,532,734. POLE AND POST PROTECTOR. JOHN DEAN, Victoria, British Columbia, Canada. Filed Oct. 22, 1923. Serial No. 670,192. 3 Claims. (Cl. 20—100.)



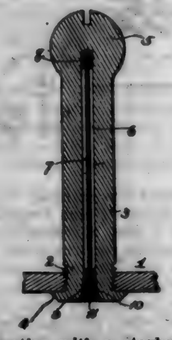
1. The combination with a pole or the like provided with an annular groove, of a hollow frusto-conical member open at the top and bottom and adatped to surround the pole with the edges of the top extending within the annular groove and said pole being provided with spaced vertically disposed notches communicating with the groove and said conical member having spaced notches around its upper edge which register with the notches in the pole to provide ventilating passages.

1,532,735. VARIABLE CAPACITY PUMP. ERNEST BISHOP DICKERSON, Bishop, Tex. Filed Apr. 11, 1919. Serial No. 289,243. 21 Claims. (Cl. 103—120.)



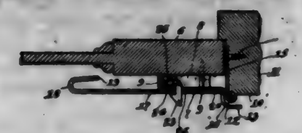
1. In a hydraulic transmission, a pump shaft, a rotor carried by the shaft including means defining a working chamber, said working chamber having extensions, blades carried by the rotor adapted to move in and out of the working chamber, an abutment adapted to enter the working chamber and toward which the blades are adapted to move, a reduction ring occupying said extensions, and means carrying both the abutment and said reduction ring adapted to move so as to shift the abutment and ring in corresponding degrees in respect to the working chamber in order to vary the fluid capacity of the working chamber.

1,532,736. STAY BOLT FOR BOILERS. ETHAN I. DODDS, Central Valley, N. Y., assignor to Flannery Bolt Company, Pittsburgh, Pa. Filed Feb. 26, 1923. Serial No. 621,882. 3 Claims. (Cl. 85—15.)



1. The combination with a staybolt having a telltale hole extending from its inner end approximately to but not through the outer end of the bolt, of an indicating rod located in said telltale hole and connected at its ends respectively to the bolt near respective ends of said telltale hole.

1,532,737. SAFETY LATCH FOR DOORS. ALBERT C. DOHRMANN, Chicago, Ill. Filed Mar. 13, 1922. Serial No. 543,172. 5 Claims. (Cl. 292—278.)



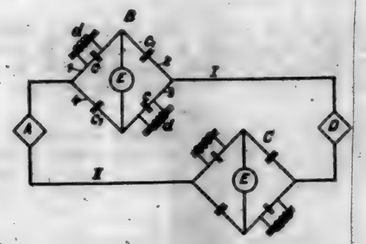
1. A safety latch for doors, consisting of a plate secured to the door, provided with an open hookilke slot, the hooks on which are outwardly curved, a hinged strap secured to the door frame passing through said slot adapted to be removed therefrom between said projections when the door is closed and means projectable through said strap for locking the door.

1,532,738. COMBINED BATTERY SHIPPING CRATE AND STAND. FRANK ENGEL, Niagara Falls, N. Y., assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Oct. 3, 1919. Serial No. 328,197. 3 Claims. (Cl. 217—5.)



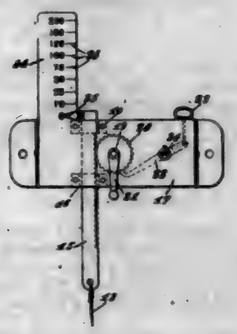
1. In battery packing structure, a box-like structure having a bottom piece, end pieces and side pieces, relatively heavy side bars mounted along the sides of said box-like structure and extending beyond the ends thereof to provide handling means, said end pieces having vertically extending reinforcing pieces which extend beyond the top of said box-like structure on one side only of said structure.

1,532,739. CIRCUIT ARRANGEMENT FOR MULTIPLEX CABLE TELEGRAPHY AND TELEPHONY. HEINRICH FASSBENDER, Charlottenburg, and ERICH HABANN, Waidmannslust, near Berlin, Germany, assignors to Deutsche Telephonwerke G. m. b. H., Berlin, Germany. Filed Aug. 22, 1921. Serial No. 494,389. 2 Claims. (Cl. 178—51.)



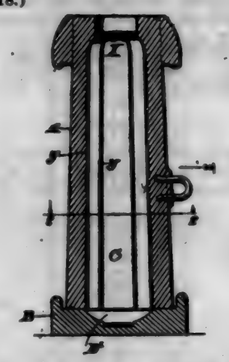
1. In an arrangement for multiplex telegraphy or telephony on lines by means of high frequency oscillations, the combination of a line, a station's receiving device and a Wheatstone-bridge by which the said device is connected with the line, the bridge containing in two opposite branches condensers and in two other opposite branches condensers in parallel with inductance coils, the latter being provided with subdivided iron cores, two diagonal points of the bridge being connected with the incoming and outgoing part of the line whilst two other diagonal points are connected with the leading-to wire of the said receiving device, whereby the range of waves entering the receiving device is separated by the graduation of the iron core-subdivision from a higher range of waves not entering the receiving device, substantially as described.

1,532,740. INDICATOR. TYSON THADDEUS FERREE, Ashboro, N. C. Filed Dec. 26, 1923. Serial No. 682,751. 2 Claims. (Cl. 40—70.)



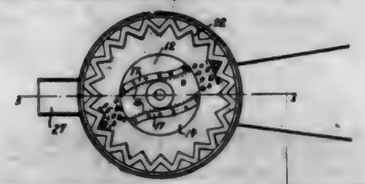
1. In apparatus of the class described the combination with a rotatable indicator and flexible means connected thereto for actuating the same, of a rack attached to said flexible means, yielding means for holding the indicator and the rack normally in one position, a graduated member adjacent the rack, means on the rack and cooperating with the graduated member for designating positions of the indicator connected to the rack, a gear for rotating the rack, and means detachably engaging the gear for holding the gear and rack against movement.

1,532,741. INGOT MOLD. EMIL GATHMANN, Baltimore, Md., assignor to The Gathmann Engineering Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 20, 1923. Serial No. 658,370. 4 Claims. (Cl. 87—18.)



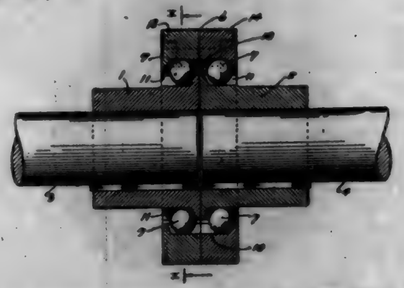
1. An ingot mold having a chamber formed with corrugated side walls and with a necked-in end portion into which the corrugations extend and merge.

1,532,742. ROCK CRUSHER. ALVAH D. HADSEL, San Francisco, Calif., assignor of one-half to Frederick N. Woods, jr., San Francisco, Calif. Filed Oct. 19, 1922. Serial No. 595,645. 2 Claims. (Cl. 83—46.)



1. In a centrifugal rock crusher, a rotor adapted for receiving the rocks centrally and discharging them peripherally, said rotor comprising a hubbed disk adapted for securing to a shaft, a centrally perforated disk axially aligned with the hubbed disk, and a pair of similar spacing members between the disks extending entirely across the disks spaced from the central portion thereof and secured to both disks.

1,532,743. FLEXIBLE COUPLING. ALVAH D. HADSEL, San Francisco, Calif., assignor of one-half to Frederick N. Woods, jr., San Francisco, Calif. Filed June 4, 1923. Serial No. 643,457. 2 Claims. (Cl. 64—91.)



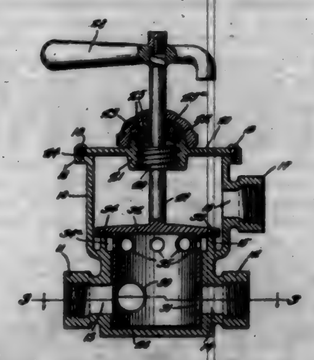
1. A flexible coupling comprising two cylindrical elements having external longitudinal grooves therein stopping short of the ends of the elements, a ring adapted to encircle adjacent ends of the elements so as to leave an annular space around the same having registering internal grooves therein stopping short of its respective ends and balls engaging registering internal and external grooves the ring being dimensioned to allow of limited longitudinal and tilting motion of the elements relative to the ring.

1,532,744. GUARD FOR HYPODERMIC SYRINGES. GEORGE N. HEIN, San Francisco, Calif. Filed Apr. 26, 1924. Serial No. 709,151. 6 Claims. (Cl. 128—218.)



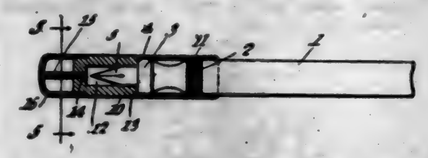
1. A hypodermic construction including a tubular guard open at its opposite ends and formed at one end with a contracted tubular extension having a laterally opening recess, a barrel for longitudinal reception within the guard and provided with a conical tip for reception within said tubular extension, a needle base provided with a conical recess at one end for the reception of the conical tip and adapted for reception within said tubular extension through said laterally opening recess, means for holding said needle base from rotation within said extension, said needle base adapted for longitudinal movement within the extension and precluded from removal from the extension when at its limit of movement in either direction.

1,532,745. MIXING VALVE. CLARENCE C. HICKERSON, Tulsa, Okla. Filed Apr. 11, 1924. Serial No. 705,884. 1 Claim. (Cl. 277—18.)



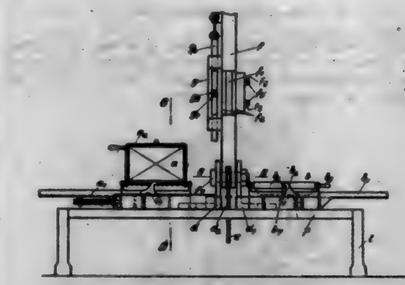
In a device of the character described comprising a hollow body provided in one side near one end with a pair of inlets, and provided near its other end with an outlet, a chamber within the first mentioned end of the body, a flange within the body constituting a valve seat, the internal diameter of the flange being greater than that of the chamber to define an annular space, a cover closing the other end of the body and having a central hub portion formed with a steep thread, a cylindrical sleeve valve rotatable within the chamber and having openings adapted to register selectively with said inlets and having an outstanding flange carrying a gasket adapted to engage upon said seat for cutting off the flow, the valve having a plurality of holes communicating with said annular space, a stem on the valve extending beyond the cover and equipped with a handle, and a threaded enlargement on the rod co-acting with the threaded hub.

1,532,746. FOUNTAIN PEN. WILLIAM LEONARD HOPER, Manhattan, Kans. Filed Sept. 2, 1924. Serial No. 735,853. 3 Claims. (Cl. 120—42.)



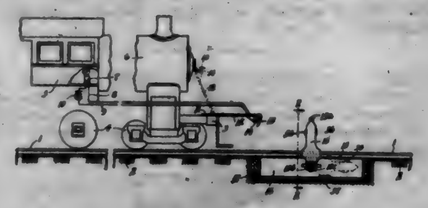
1. A fountain pen attachment comprising a sleeve for insertion on a pen barrel and having a chamber to house the pen point with a tube extending longitudinally from the front end of said chamber to facilitate filling of the pen and to protect the point thereof.

1,532,747. APPARATUS FOR SPLICING FILMS. WILHELM HOHMANN, Delitzsch, near Halle, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Feb. 17, 1923. Serial No. 619,729. 16 Claims. (Cl. 154—42.)



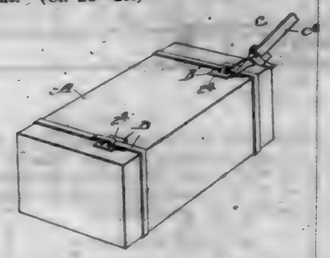
1. Apparatus for removing from a film a portion of the photographic layer comprising means for clamping the film along substantially parallel lines transversely thereof on opposite sides of and immediately adjacent to the portion to be removed, a planing tool and means associated with the clamping means for guiding the tool transversely over the clamped portion to cause removal of the photographic layer.

1,532,748. FOG CROSSING SIGNAL. HANS A. HOLM, Minneapolis, Minn. Filed May 9, 1924. Serial No. 712,162. 6 Claims. (Cl. 246—196.)



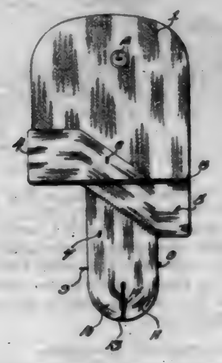
3. A contact device adapted to be positioned adjacent a train track comprising a horizontal shaft, bearings in which said shaft is journaled, an arm journaled on said shaft, spring-pressed members slidable on and non-rotatable relatively to said shaft at each side of said arm and adapted to engage the same, a tongue and groove means on said arm and members respectively adapted to hold said arm in vertical or horizontal position, an arm journaled on the end of said shaft, and means secured to said shaft adapted to be engaged by said arm to turn said shaft and move said arm from horizontal and vertical position.

1,532,749. PACKAGING DEVICE AND METHOD. CHARLES R. HULTGREN, Chicago, Ill., assignor to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Nov. 3, 1923. Serial No. 672,681. 4 Claims. (Cl. 24—23.)



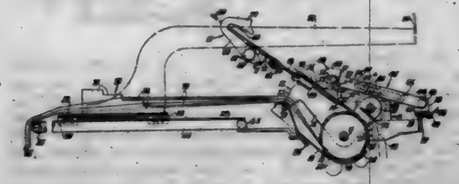
1. A packaging device comprising a clip and a metal tape having one end secured to said clip, said clip being formed with a loop adapted to permit the free end of the tape to be passed therethrough, said loop being deformable to enable it to grip the tape.

1,532,750. KNITTED CAP. ELMER N. JOHA, Milwaukee, Wis., assignor to Reliable Knitting Works, Milwaukee, Wis., a Corporation. Filed July 2, 1923. Serial No. 648,997. 4 Claims. (Cl. 2—172.)



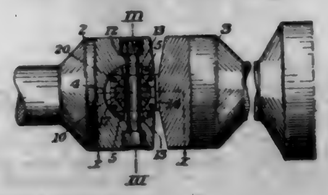
1. A cap comprising a crown, a continuous knitted band entirely encircling the lower portion thereof and having straight portions joined by rack knitted portions, and knitted ear flaps joined along diagonal lines to said rack knitted portions and having rounded selvedged outer end.

1,532,751. TYPEWRITING MACHINE. ARTHUR A. JOHNSON, Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 12, 1921. Serial No. 484,048. 21 Claims. (Cl. 197—126.)



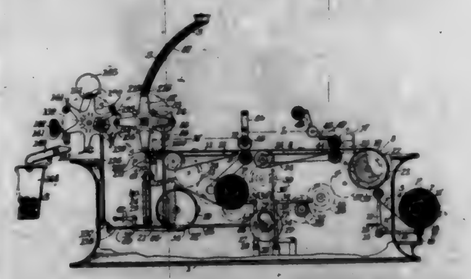
1. In a typewriting machine, in combination, a traveling carriage having a front bar extending transversely thereof, a revolubie platen, a platen-lifting swing-frame pivoted on said carriage, said frame comprising a front paper-table, and a link, having pins thereon, pivoted on said front bar in front of the pivotal axis of the swing-frame, so that, when its free end is pressed against the front paper-table and said frame swung to lift the platen, the pins will enter perforations in the work-webs in use to align superposed forms thereon and then advance the leading edges of the webs to predetermined positions.

1,532,752. ROLLING-MILL-SPINDLE COUPLING. LANE JOHNSON, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1924. Serial No. 737,278. 5 Claims. (Cl. 64—107.)



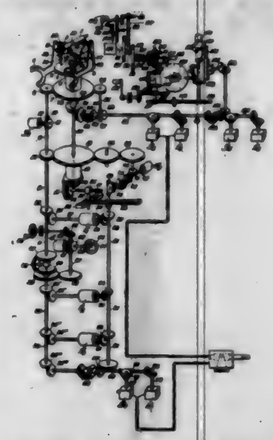
1. In a coupling, a rotary member provided with a pair of projections at one end thereof, a second rotary member having a bifurcated end adapted to receive said projections, said bifurcated end having its opposed interior surfaces of concave cylindrical form, slippers seated within said concave surfaces to turn about the axis thereof and slidably fitting said projections, a cylindrical spacer block arranged between said slippers with its axis intersecting said projections, and means journaled on said block and adapted to prevent relative rotary movement between said slippers when said rotary members are uncoupled, substantially as described.

1,532,753. AUTOMATIC FILM-SPOOLING MACHINE. JOHN G. JONES and HAYWOOD G. DEWEY, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed May 31, 1923. Serial No. 642,398. 33 Claims. (Cl. 242—55.)



10. A machine for automatically assembling roll film cartridges and comprising means for positioning a spool, means for automatically engaging the end of a strip of paper with such spool, means then automatically actuated for turning said spool to wind the paper thereon, means automatically operative when the spool has made a predetermined number of turns to feed thereto a strip of film, said turning means thereafter operating automatically a predetermined amount to complete the winding of predetermined lengths of film and paper thereon and means then automatically operative for applying a sealing band to the rolled cartridge.

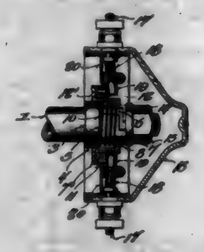
1,532,754. ARRANGEMENT FOR THE TELECONTROL OF GUNS OR THE LIKE. PAUL KAMINSKI, Berlin-Pankow, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 25, 1921. Serial No. 495,290. 11 Claims. (Cl. 89—41.)



1. In a signalling device for the electric remote control and transmission of movements, a sighting device in a control station for the remote control of guns, search lights, range finders, telescopic sights, or the like, which are trained either by hand or by mechanical power, on a "follow the pointer" principle,—means for transmitting the vertical movements of said sighting device by electrical transmitters located in the control station and electrical receivers placed on the controlled objects direct upon the receivers of search lights, range finders, or telescopes (not coupled with the guns), means for transmitting to the receivers on the guns the same vertical movements of the said sighting device in the control station and to impart to these receivers on the guns at the same time an additional movement corresponding to the ballistic inclination involved by the distance of the target prevailing at the time,—means for converting concurrently during this aforementioned operation the uniform alteration of the range into the ununiform alteration of the ballistic inclination,—in combination with means for transmitting the horizontal movements of the said sighting device in the control station by suitably designed electric transmitters at the control station to suitably designed receivers on the controlled object,—means for simultaneously imparting to the receivers on the search lights, range finders, telescopes, etc. the concentration correction necessary for hitting the target, this concentration correction being automatically constructed during the movement of the said sighting device in the control station, means for imparting the same movement to the receivers on the guns and further, as an addition, to impart to them the necessary deflection angle from the control station, means for transmitting to the receivers of range finders and telescopes coupled to guns, this last mentioned adjustment and for transmitting by means of a special receiver, the amount of the deflection angle by itself, and means for rendering the vertical movements of the said sighting device in the control station and of all controlled objects independent of their horizontal movements.

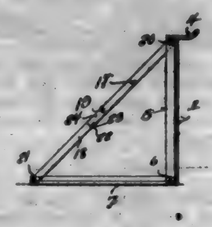
1,532,755. TIMER. ADAM W. KAUFMAN, Milwaukee, Wis. Filed June 17, 1922. Serial No. 568,980. 4 Claims. (Cl. 200—24.)

3. A timer comprising a housing, a plurality of contact members carried by the housing, a timer shaft positioned centrally of the housing, a sleeve secured on the timer shaft and provided with a bayonet groove, a rotor slidably mounted on said sleeve and provided with a nib



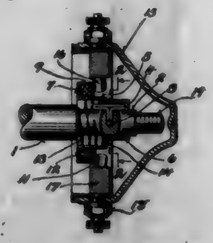
engaging said bayonet groove, and yieldable means for holding the rotor into engagement with the contact members.

1,532,756. COMBINATION STEP PLATE AND LUGGAGE CARRIER. ADAM W. KAUFMAN, Milwaukee, Wis. Filed Aug. 18, 1922. Serial No. 582,629. 2 Claims. (Cl. 224—29.)



1. A combined step plate and luggage carrier for a running board, comprising a roughened plate adapted to lie above and substantially parallel to the running board or to extend upwardly therefrom, a base pivotally joined to the outer portion of said plate, pivotally joined arms pivoted to said base and plate and adapted to retain said plate at an angle to the running board and adapted to fold beneath said plate, and a latch for retaining said plate when substantially paralleling said running board.

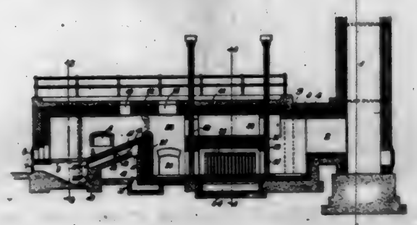
1,532,757. TIMER. ADAM W. KAUFMAN, Milwaukee, Wis. Filed Feb. 9, 1923. Serial No. 617,915. 3 Claims. (Cl. 200—24.)



3. A timer comprising a rotary shaft, a casing surrounding said shaft and having a plurality of yielding contacts, a rotor surrounding said shaft and having a cylindrical portion spaced from said shaft, an insulating ring mounted upon said cylindrical portion, a metallic

contact carried by said ring and electrically connected to said rotor, a spring surrounding said shaft and urging said rotor outwardly to cause its outward face to bear against said yielding contacts, and means for effecting a driving engagement between said shaft and rotor, whereby said rotor is positively driven by said shaft and freely floats thereon.

1,532,758. INCINERATOR. EDGAR BOYD KAY, Washington, D. C. Filed May 23, 1924. Serial No. 715,458. 20 Claims. (Cl. 110—8.)



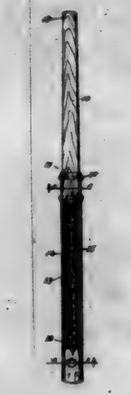
1. An incinerator having a fire chamber, a grate, and an ash pit, a chimney and a combustion chamber forming a direct communication between the fire chamber and the chimney, a drying hearth located in an extension of the fire chamber over which the products of combustion pass to the combustion chamber and through which a current of air may be passed, and a charging opening through which material to be destroyed may be deposited on the drying hearth.

1,532,759. PICKER STICK. DANIEL A. KEATING, Bridgeport, and JAMES B. TATEM, Putnam, Conn., assignors of one-half to The American Tube & Stamping Company, Bridgeport, Conn., a Corporation of Connecticut, and one-half to James B. Tatem, doing business as James B. Tatem & Son, Putnam, Conn. Filed June 19, 1924. Serial No. 720,953. 15 Claims. (Cl. 139—157.)



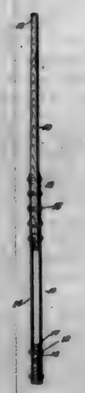
1. A picker stick having its upper portion of wood and its lower portion formed of a single piece of metal in tubular form throughout its length.

1,532,760. PICKER STICK. DANIEL A. KEATING, Bridgeport, and JAMES B. TATEM, Putnam, Conn., assignors of one-half to The American Tube & Stamping Company, Bridgeport, Conn., a Corporation of Connecticut, and one-half to James B. Tatem, doing business as James B. Tatem & Son, Putnam, Conn. Filed June 19, 1924. Serial No. 720,954. 7 Claims. (Cl. 139—157.)



1. A picker stick having substantially its upper half of wood and substantially its lower half of two separate lengths of spaced-apart oppositely-disposed metal side plates, said plates being supported in spaced relation at their opposite ends and disposed in substantially parallel relation throughout their length.

1,532,761. PICKER STICK. DANIEL A. KEATING, Bridgeport, and JAMES B. TATEM, Putnam, Conn., assignors of one-half to The American Tube & Stamping Company, Bridgeport, Conn., a Corporation of Connecticut, and one-half to James B. Tatem, doing business as James B. Tatem & Son, Putnam, Conn. Filed June 19, 1924. Serial No. 720,955. 12 Claims. (Cl. 139—157.)



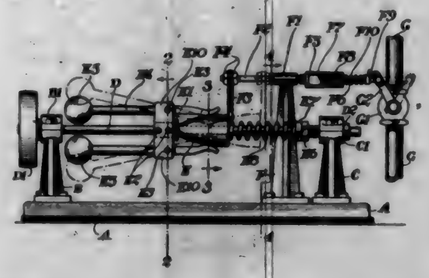
1. A picker stick having substantially its upper half of wood and substantially its lower half of two separate lengths of spaced-apart oppositely-disposed metal side plates, said plates being supported in spaced relation at their opposite ends and disposed in substantially parallel relation throughout their length.

1,532,762. PICKER STICK. DANIEL A. KEATING, Bridgeport, and JAMES B. TATEM, Putnam, Conn., assignors of one-half to The American Tube & Stamping Company, Bridgeport, Conn., a Corporation of Connecticut, and one-half to James B. Tatem, doing business as James B. Tatem & Son, Putnam, Conn. Original application filed June 19, 1924, Serial No. 720,954. Divided and this application filed Dec. 27, 1924. Serial No. 758,337. 8 Claims. (Cl. 139—157.)



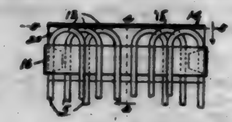
1. A picker stick having its upper portion of wood and its lower portion of a single piece of metal channel-shaped in cross section and having its lower portion folded to provide opposite spaced-apart integral side walls.

1,532,763. GOVERNOR. ISAAC D. KENNER, Knoxville, Tenn. Filed Apr. 14, 1923. Serial No. 632,174. 7 Claims. (Cl. 264—15.)



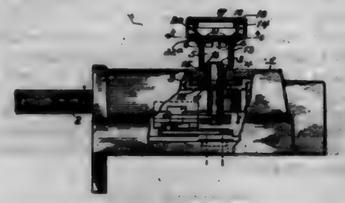
1. In a mechanism of the kind described, the combination of a member to be controlled, a rotary shaft, a member slidable and non-rotary on said shaft and having an inclined face, means connecting said member and the member to be controlled, an abutment on the shaft for limiting movement of the sliding member in one direction, yielding means pressing the sliding member toward said abutment, and centrifugal members pivotally supported on the shaft for pressing on the inclined face of the sliding member transversely to the length of said shaft, substantially as described.

1,532,764. RAKE. HERBERT G. KIMBER, Oakland, Calif. Filed Aug. 8, 1922. Serial No. 580,468. 4 Claims. (Cl. 55—114.)



1. In a rake, a plurality of tines, said tines having their attaching ends each formed with a return bend, holding means for said tines comprising a plate bent to lie against opposite sides of the tines and also extending over the attaching ends, and a strip extending parallel to the plate through all the return bends of the tines and secured to the plate.

1,532,765. LOCK. CHARLES LEDIN, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Sept. 7, 1923. Serial No. 661,417. 4 Claims. (Cl. 292—359.)



1. The combination with a lock spindle and a member operatively connected therewith, of a knob shell rotatably mounted on said member and means carried by said knob shell for operatively coupling the same to said member.

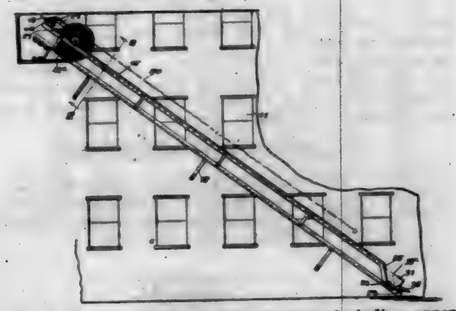
1,532,766. CONTAINER. ABRAHAM HOYT LEVY, New York, N. Y. Filed Mar. 14, 1922. Serial No. 543,788. 2 Claims. (Cl. 206—56.)



1. As a new article of manufacture, a container for goods in the form of a block, stick, losenge or the like, including a seamless, tubular body-portion the wall of which is thin enough to permit manually peeling the wall off the goods without cutting in order to expose a new end-section thereof for consumption and yet thick enough to withstand wear tending to expose the goods in the ordinary usage of the container for the purpose intended; the body-portion being provided with a hand-hold which is formed integral with the container and is connected

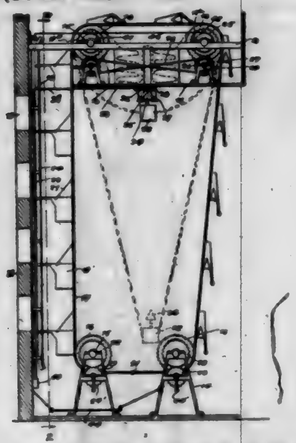
therewith by a neck-portion which at its junction with the hand-hold is much smaller in diameter than the latter and is surrounded there with a flange that shields the fingers from contacting with the body-portion and neck-portion and becoming soiled.

1,532,767. FIRE ESCAPE. LEON M. LITTLE, Dublin, Ga. Filed Aug. 21, 1923. Serial No. 658,635. 7 Claims. (Cl. 227—7.)



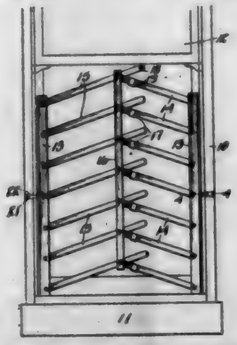
1. In a fire escape, an inclined frame including upper and lower trackways, a roller rolling on said upper trackways, and a chute normally wound on said roller and having one end connected to the upper end of the lower trackway, said roller delivering the chute to the lower trackway during its downward movement along the upper trackway.

1,532,768. FIRE ESCAPE. LEON M. LITTLE, Dublin, Ga. Filed Aug. 21, 1923. Serial No. 658,636. 4 Claims. (Cl. 227—10.)



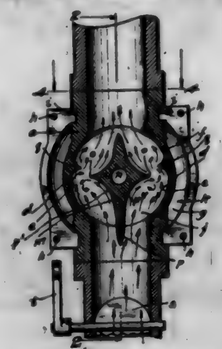
1. The combination with a building having vertically alined window openings; of an upper frame structure above the upper window openings and projecting from the building, a similar lower frame arranged below the upper frame, guide wheels arranged horizontally in spaced pairs on said frames, flexible elements running over the guide wheels of the upper frame and adapted to be led around the guide wheels of the lower frame, buckets carried by said elements, arms projecting forwardly from said buckets, guide ways carried by the building and receiving said arms to guide said buckets, means for detachably connecting the ends of respective flexible elements to form endless flexible elements, a weight to which said ends may be alternatively connected, releasable latch means beneath the upper frame structure for engaging and holding said weight in an elevated position, and means for supporting the flexible elements and buckets on the upper frame structure when the weight is held in an elevated position.

1,532,769. SAFETY DEVICE FOR WINDOWS. CHARLES H. MCELROY, Indianapolis, Ind. Filed July 16, 1924. Serial No. 726,406. 6 Claims. (Cl. 189—79.)



1. A device for preventing the passage of unauthorized persons through windows, comprising a pair of substantially parallel uprights for engagement with the window frame said uprights having outwardly projecting lugs adapted to fit within recesses in the window frame, spaced cross bars carried by said uprights in substantially parallel relation, a central supporting element secured to the adjoining ends of each pair of said cross bars, one or more of said cross bars extending along its cooperating cross bar and having means for securing the same in alinement therewith, substantially as set forth.

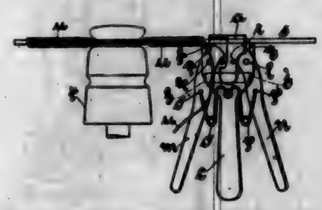
1,532,770. MIXER FOR GASOLINE ENGINES. HERMAN F. MADER, Portland, Oreg. Filed Sept. 6, 1923. Serial No. 661,295. 5 Claims. (Cl. 48—180.)



2. In a gasoline engine, a conduit-section interposed between the carburetor and the intake manifold, such conduit being made with an enlarged cross section at its middle, a partition located in said enlargement, extending centrally and longitudinally therein, said partition enlarging laterally approximately at the middle of said enlargement of the conduit section, one end of said partition projecting into the inlet end of said conduit section such end of said partition presenting equilateral parabolic surfaces thereby to divert the stream of fuel mixture so as to impact upon the encompassing wall portion of said enlargement, the wall portions of said enlargement having lateral projections located slightly beyond said projections of the partition, the cross-

sectional area of the passageway between said projections of the partition and the wall of said enlargement being approximately equal to that of the ends of said conduit, and the cross-sectional area of the remaining space of said enlargement being greater than that of said ends.

1,532,771. HAND TOOL FOR CONNECTING TELEPHONE AND LIKE WIRES TO INSULATORS. PETER THORVALD NIELSEN, Kolding, Denmark. Filed Aug. 15, 1922. Serial No. 582,068. 2 Claims. (Cl. 140—117.)

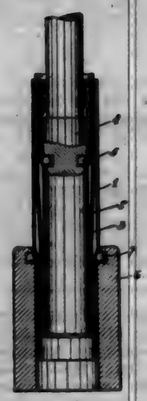


1. A hand tool for coiling the binding wire of telephone and the like wires connected to insulators, comprising a hooked plate fitted with a handle by means of which it can be turned about the line wire with the hook placed on the latter, the plate being adapted to engage the binding wire in order to coil it around the line wire when the tool is thus turned, and a cutter fitted with an operating lever and pivoted to the plate so as to cooperate with the latter for cutting the binding wire at the completion of the coiling.

1,532,772. PROCESS FOR PRODUCING NONPEROXIDIZABLE ETHER. DIRK ROELOF NIJE, Leiden, Netherlands, assignor to Naamlooze Vennootschap: Nederlandsche Gist- en Spiritusfabriek, Delft, Netherlands. Filed Jan. 7, 1925. Serial No. 1,087. 3 Claims. (Cl. 260—151.)

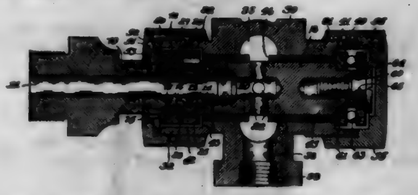
1. The production of non-peroxidizable ether by a process which consists in treating ether with an excess of benzidine, and filtering the ether from said excess.

1,532,773. METHOD OF MOUNTING THE HEATING ELEMENTS IN ELECTRIC-HEATING APPARATUS. ERNST REINFRID ISIDOR NORDSTRÖM and ERNST OSCAR JOHANSSON, Stockholm, Sweden, assignors of one-half to Hugo Teodor Tiliquist, Stockholm, Sweden. Filed May 19, 1923. Serial No. 640,246. 2 Claims. (Cl. 219—19.)



1. A method of mounting the heating element of electrical heating apparatus between an inner member and a sleeve-like outer member, consisting in compressing the sleeve like member until the air is substantially exhausted from between the heating element and the inner and outer elements and close contact between the latter is established.

1,532,774. SWIVEL COUPLING. JOHN W. PAGE, Chicago, Ill. Filed Mar. 10, 1921. Serial No. 451,168. 5 Claims. (Cl. 285—96.)



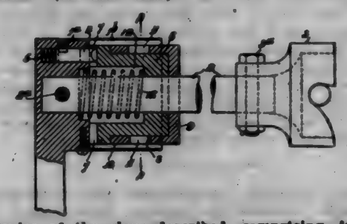
1. In a swivel coupling, a rotatable part having its end surrounded by a stationary casing, a port entering the casing and communicating with a port in the rotatable part, a collar slidably mounted on the rotatable part within the casing adapted to form a closure with the inner end of the casing, and means for preventing leakage between the collar and the rotatable part, said means comprising a junk ring with a piston ring.

1,532,775. EXCAVATING SHOVEL. JOHN W. PAGE, Chicago, Ill. Filed Apr. 24, 1922. Serial No. 556,168. 4 Claims. (Cl. 37—117.)



1. In a device of the class described, the combination with a suitable shovel, of supporting means pivoted thereto behind the center of gravity thereof, hauling means pivotally secured to the front of the shovel, a block with a double-grooved sheave attached to the supporting means, one of the grooves being larger than the other, and a holding-chain running from the front of said shovel over said sheave to the hauling means, that part of the holding-chain running over said sheave having its major portion adapted to run in the smaller groove of the double-grooved sheave and provided with an enlargement adapted to run up on the larger groove thereof.

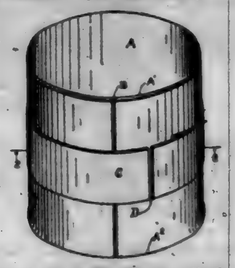
1,532,776. MEANS FOR STARTING INTERNAL-COMBUSTION ENGINES. HORACE ARTHUR PYRAH, Denton, England. Filed May 29, 1923. Serial No. 642,268. 1 Claim. (Cl. 123—185.)



A device of the class described, comprising, in combination, a rotatable and axially shiftable clutch shaft, a crank handle secured to said shaft and having a socket encircling the end of the shaft, a sleeve mounted upon said shaft and having a plurality of teeth in its end

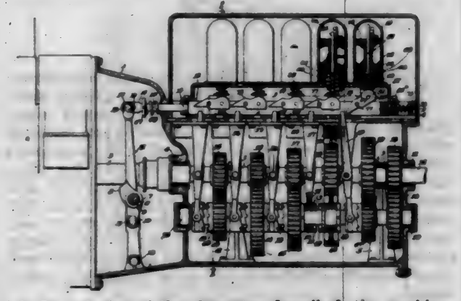
face, spring operated members carried by the socket and adapted to engage the teeth of the sleeve when the handle is rotated in one direction, a stationary cylindrical member encircling said sleeve, said member having a diagonal slot formed therein, and a stud carried by said sleeve and engaging said slot, the arrangement being such that upon reverse rotation of the clutch shaft said shaft and sleeve are axially shifted.

1,532,777. PISTON-RING HOLDER. FREDERICK REICH, Elizabeth, N. J. Filed Dec. 8, 1920. Serial No. 429,242. 12 Claims. (Cl. 29—86.4.)



8. In a device of the character described, the combination of an open ended cylinder of spring metal set at a predetermined diameter provided with an opening extending from end to end, whereby the cylinder is permitted to expand and contract, and a member adapted to be placed on said cylinder and to hold the same under compression.

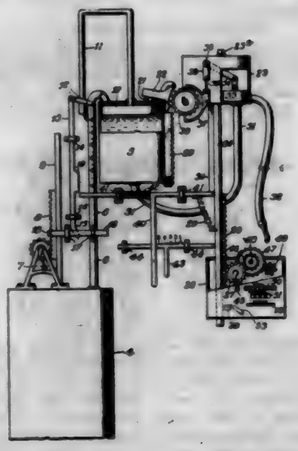
1,532,778. SPEED-CHANGING TRANSMISSION. BERNARD J. RIEDMILLER, Scranton, Pa. Filed July 24, 1923. Serial No. 653,535. 14 Claims. (Cl. 74—58.)



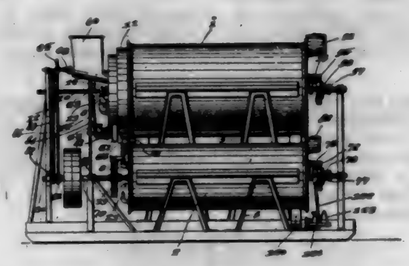
1. In a device of the character described, the combination with a shaft-clutch actuating member, and a constant-mesh gear set including a series of gear-clutches operating in connection with certain of the gears of said set, of a bar shiftable forwardly and rearwardly by said shaft-clutch actuating member, actuating means carried by said bar to shift the several gear-clutches into engagement upon the forward movement of said bar, means for normally holding said gear-clutches in disengaged position, means for bringing a selected gear-clutch actuating means into operative position, and automatic means tending to return said selected gear-clutch actuating means to its normal inoperative position upon rearward movement of the reciprocable member.

1,532,779. LIQUID MEASURING AND DISPENSING DEVICE. ANDREW H. ROIKJER, Los Angeles, Calif. Filed Dec. 19, 1923. Serial No. 681,608. 11 Claims. (Cl. 221—95.)

1. In a liquid measuring and dispensing device, the combination of a reservoir adapted to contain a measured quantity of liquid, a relatively small receptacle arranged adjacent said reservoir and adapted to move along a vertical axis, a reciprocable bar by which said receptacle is supported, means for arresting movement of the receptacle in either direction along its axis, flexible communicating means between said reservoir and said receptacle, and means for discharging liquid from the latter.



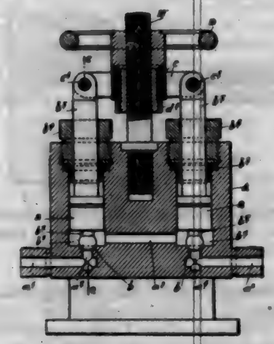
1,532,780. CONCENTRATOR. GEORGE E. C. ROUSSEAU, Oakland, Calif. Filed Sept. 9, 1921, Serial No. 499,440. Renewed Sept. 4, 1924. 6 Claims. (Cl. 83—86.)



1. In a concentrator, the combination with an upper unit having rotating screens for removing the coarse gangue and grading the remaining material, means for feeding slime and water to this unit under a head of water pressure and a water outlet having a control valve; of an outlet for the coarse gangue and outlets for the respective grades, other lower units to which the last named outlets lead respectively, means therein for separating the values from the remaining material and collecting said values, in separate receptacles, and means for reciprocating the screens longitudinally.

1,532,781. STOPCOCK AND SHUT-OFF COCK FOR PRESSURE-FLUID PIPING. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed June 29, 1923. Serial No. 648,550. 4 Claims. (Cl. 277—83.)

1. A stopcock for fluid pressure piping comprising a valve casing, valves movably mounted in a pair of chambers formed in said casing, the seats for said valves being formed in said casing adjacent the ends of a communicating duct between said chambers, said duct being in a different plane from the plane of the sections



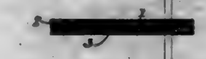
of an interrupted discharge duct formed in said casing and controlled by said valves, and means for simultaneously opening and closing said valves.

1,532,782. FLUORESCENT SCREEN. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 14, 1922. Serial No. 606,942. 17 Claims. (Cl. 250—84.)



1. An intensifying screen having a layer containing a fluorescent salt and a rear supporting layer, the supporting layer comprising a cellulosic compound and carrying fine particles of material of a color pronouncedly different from that of the fluorescent salt and rendering the backing layer opaque.

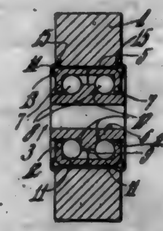
1,532,783. FLUORESCENT SCREEN. SAMUEL E. SHEPPARD and LEON W. EBERLIN, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 1, 1924. Serial No. 690,071. 10 Claims. (Cl. 250—84.)



1. An X-ray fluorescent screen comprising an active layer, a rear supporting layer, and a front protective layer, the front protective layer comprising a cellulosic composition carrying in suspension finely divided light-diffusing material.

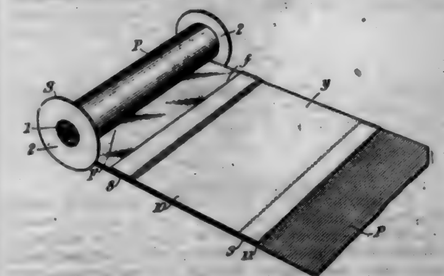
1,532,784. SKATE ROLL. ARTHUR L. STAPLES, New Haven, Conn., assignor to Winchester Repeating Arms Company, New Haven, Conn., a Corporation of Connecticut. Filed June 17, 1922. Serial No. 569,103. 9 Claims. (Cl. 208—181.)

1. In a skate roll in combination, an annular tread member, an antifriction bearing comprising an inner bearing ring and two outer bearing rings provided with cooperating ball races having balls therein and a locking sleeve interposed between said outer bearing rings and said annular tread member, said sleeve having enlargements extending both outwardly and inwardly at



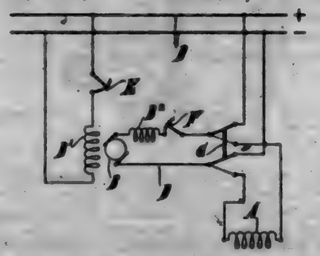
each end thereof for both retaining the outer bearing rings together and for securing the tread member thereon.

1,532,785. PASTER BAND FOR ROLL FILMS. ALBERT F. SULZER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 8, 1924. Serial No. 705,126. 10 Claims. (Cl. 95—0.)



1. A photographic film cartridge including a spool, a flexible strip of protective material wound thereon, a flexible strip of film interwound therewith, and a paster band adapted to fasten an end of the film strip to the protective strip, being normally fastened to one of the strips, said paster band having an adhesive resisting area and an adhesive area, the adhesive area being normally folded to lie adjacent the adhesive resisting area.

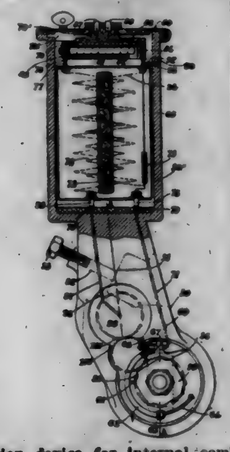
1,532,786. SPARKLESS CIRCUIT CONNECTION. HERMANN SUNDHAUSSEN, Bredeney-on-the-Ruhr, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Feb. 19, 1915. Serial No. 9,348. 2 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A device for exciting a magnet coil with a current of comparatively short duration and avoiding sparks on interrupting the circuit which includes said coil, said device comprising an electro-dynamic condenser, an external source of voltage, and a double-throw switch adapted to

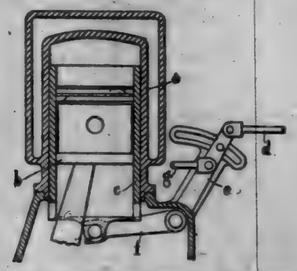
connect said electro-dynamic condenser alternately to said source and to said magnet coil, said electrodynamic condenser being formed by a dynamo having a stator winding connected to said source and a rotor winding connected to said double-throw switch, the rotor of said dynamo being free of any external mechanical load.

1,532,787. IGNITION DEVICE FOR INTERNAL-COMBUSTION ENGINES. HARRY ELDRED TAYLOR, Paris, France. Filed Nov. 8, 1921, Serial No. 513,766. Renewed Aug. 28, 1924. 2 Claims. (Cl. 123—148.)



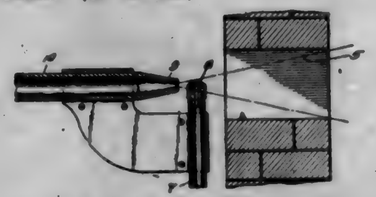
1. An ignition device for internal combustion engine embodying a single metal frame having formed therein a recess by means of which it is liable to be secured on a corresponding protruding portion of the engine and a hollow part which forms a casing, an induction coil removably mounted in said casing, an interrupter for the primary current and a rotary distributor for the secondary current mounted on said frame, and electric connections between the induction coil on the one hand and the interrupter and the distributor on the other hand.

1,532,788. APPARATUS FOR VARYING THE COMPRESSION SPACE IN INTERNAL-COMBUSTION-ENGINE CYLINDERS. CHARLES ANTHONY VANDERVELL, Acton, England. Filed Nov. 28, 1922. Serial No. 603,830. 2 Claims. (Cl. 123—48.)



1. An internal combustion engine comprising in combination with a working cylinder, a piston, a stationary open ended sleeve lining the interior of the working cylinder having one open end projecting into the compression space and receiving the piston, and means capable of adjusting the position of the said stationary sleeve within the working cylinder with the said one open end at different distances from the head of the cylinder so as to adjust thereby the compression space between the cylinder head and the piston, as set forth.

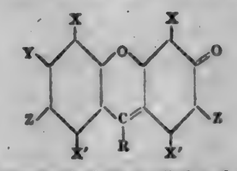
1,532,789. ART OF SCALING METAL OBJECTS. WALTER J. VOLLRATH, Sheboygan, Wis., assignor to Polar Ware Company, Sheboygan, Wis., a Corporation of Wisconsin. Filed Dec. 8, 1923. Serial No. 679,400. 3 Claims. (Cl. 75—198.)



1. The method of scaling metal objects which consists in subjecting them, while confined in a chamber and while in heated condition, to an acid-spray.

1,532,790. PYRONE DYE. MAX WEILER, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Feb. 1, 1924. Serial No. 690,087. 3 Claims. (Cl. 260—62.)

1. The herein described new dyestuff of the pyrone series having most probably the following general formula:



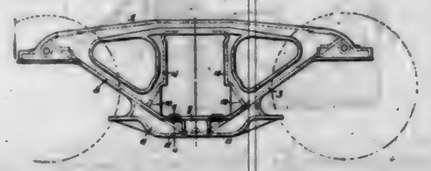
in which X includes hydrogen, alkyl and the carboxylic group; Y and X' include hydrogen and the hydroxy group; Z includes hydrogen and the carboxylic group and R represents an aromatic nucleus, which dyestuffs are, after being dried and pulverized, generally red to yellow to green-black powders, generally scarcely soluble in water but sometimes easily soluble in water as sulfonic acids, easily soluble in dilute caustic soda solution, partly with a strong fluorescence with a yellow to red coloration, dyeing wool from acid baths from yellow-orange to brown and after chroming from red-orange to brown-red shades fast to alkali, fulling and to potting, substantially as described.

1,532,791. VISOR. CARL I. WILLS, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 24, 1921. Serial No. 455,190. 4 Claims. (Cl. 296—95.)



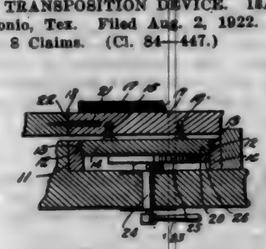
1. A device of the character set forth, comprising a pair of brackets, each bracket having a standard-portion equipped at its upper end with a forwardly extending projection provided with an eyelet and each bracket having a forwardly and upwardly extending rod-form segmental arm, a visor having at its rear upper edge lateral projecting pintles freely entered in said eyelets, clips secured to the lateral edge portions of said visor some distance from the pivot, said clips being provided with slots, U-form clips engaging said first-named clips and provided with perforations registering with said slots and receiving the end portions of said curved arms, and clamping-screws connected with said last-named clips and engaging the edge portions of said first-named clips.

1,532,792. CAST SIDE FRAME FOR CAR TRUCKS. HARRY H. WOLFE, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Jan. 2, 1923. Serial No. 610,250. 4 Claims. (Cl. 105—205.)



1. A cast side frame for car trucks having a spring seat and a diagonal tension member united with the spring seat at the end thereof, the spring seat having an opening therethrough at its junction with the tension member.

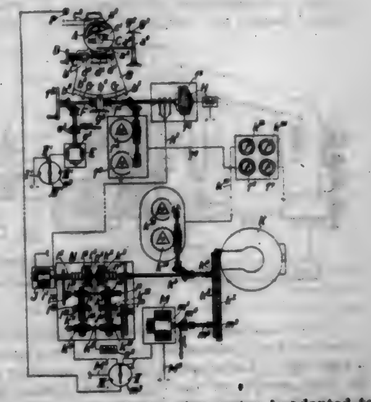
1,532,793. TRANSPOSITION DEVICE. ISAIAS ZEPEDA, San Antonio, Tex. Filed Aug. 2, 1922. Serial No. 579,231. 8 Claims. (Cl. 84—447.)



3. A transposition device for pianos including a keyboard the key levers of which include inner relatively stationary sections and outer movable playing sections, slidable connections between the sections, a slidable member disposed longitudinally beneath the keyboard and having openings in its lower face and a toothed rack, spring pressed pins engaged in the openings, a gear engaged with the rack, fulcrum means for the playing portions of the levers carried by the slidable member, means on the slidable member and engaging with the last-named portions of the levers for preventing lateral pivotal movement thereof, means at the ends of the piano for receiving the ends of the keyboard when the latter is shifted, and means on the gear for rotating the same.

1,532,794. FIRE-CONTROL APPARATUS FOR NAVAL GUNS. WALTHER AKEMANN, Berlin-Dahlem, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 13, 1924. Serial No. 699,026. 4 Claims. (Cl. 89—41.)

1. A fire control apparatus for naval guns, comprising a firing device having a stabilized and non-stabilized firing tongue, a main transmitter for transmitting angular movements, a common motor for driving said non-stabilized firing tongue and said transmitter, a receiver in connection with said transmitter, a gun elevating motor, and a switch device controlled by said receiver and in turn controlling the angular movements of said elevating motor whereby said elevating motor is adapted to execute an angular movement equal to the angular movement of said transmitter.



1,532,795. FLUORESCENT SCREEN AND METHOD OF MAKING SAME. FRANK BALCH, Salem, Mass. Filed Dec. 26, 1922. Serial No. 609,081. 10 Claims. (Cl. 250—84.)



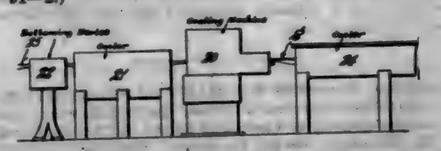
1. The method of making a fluorescent screen that comprises the mixture of fluorescent material with a binding composition, the binding composition comprising a cellulose ester in solution and being free from materials having a low boiling point, and forming a film of such mixture.

1,532,796. FLUORESCENT SCREEN. FRANK BALCH, Salem, Mass. Filed Jan. 10, 1923. Serial No. 611,872. 7 Claims. (Cl. 250—84.)



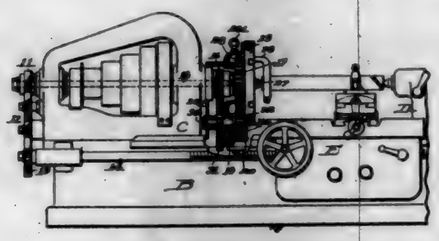
1. A fluorescent screen having an active layer comprising a mixture of fluorescent material and a binder, the binder comprising cellulose acetate.

1,532,797. APPARATUS FOR COATING CONFECTIONS. ALONZO LENTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1924. Serial No. 685,848. 8 Claims. (Cl. 91—2.)



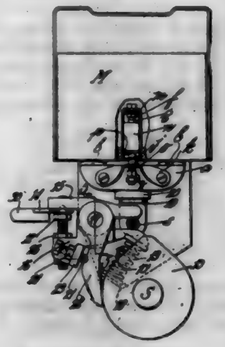
1. In combination, means for applying a bottom coating to confections, recessed supporting means for the coated confections on which means the bottom coatings rest until they are hardened, and means for subsequently applying a second bottom coating to the confections.

1,532,798. LATHE ATTACHMENT. CONSTANT BOUILLON and HOWARD R. BLAKESLEE, Torrington, Conn., assignors to The Hendey Machine Company, Torrington, Conn., a Corporation of Connecticut. Filed Mar. 1, 1922. Serial No. 540,274. 4 Claims. (Cl. 82—28.)



1. The combination of a housing having a hub, a face or driving plate journalled thereon, a dead center secured in said hub, a pinion which can be attached or secured on the live spindle of the lathe, and gearing carried by said housing which will be driven by said pinion when the attachment is in place.

1,532,799. MAGNETO. PHELPS BROWN, IRA E. HENDRICKSON, HAROLD H. CLARK, and TERRENCE G. LOUIS, Springfield, Mass.; said Hendrickson, Clark, and Louis assignors to Wico Electric Company, West Springfield, Mass., a Corporation of Massachusetts. Filed July 18, 1923. Serial No. 652,352. 17 Claims. (Cl. 123—149.)

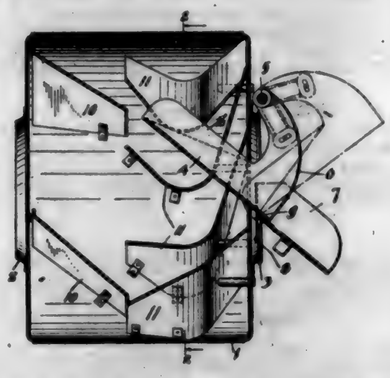


1. In a magneto, of the type wherein an armature is moved into and out of contact with magnetic poles, a pivoted arm engageable with the armature and adapted to move it away from its poles, a second pivoted arm carrying an abutment adapted to engage and move the first arm, cam means adapted for operation from the engine, and a follower interposed between said means and the second arm.

1,532,800. PROCESS FOR MANUFACTURING HYDROQUINONE. HERMANN EMDE, Berlin-Lankwitz, Germany, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed Aug. 9, 1921. Serial No. 490,889. 5 Claims. (Cl. 260—154.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. The process of making hydroquinone which consists in heating quinhydrone with a watery mixture of a ferrous salt and an alkaline earth carbonate.

1,532,801. CONCRETE-MIXING MACHINE. JOHN P. FABER and WALTER MULLER, Dunellen Borough, N. J., assignors, by mesne assignments, to Ransome Concrete Machinery Company, Plainfield, N. J., a Corporation of New Jersey. Filed Dec. 8, 1920. Serial No. 429,049. 11 Claims. (Cl. 83—73.)



1. In a mixer the combination of a rotatable drum having a hollow cylindrical body and heads with charging and discharging openings therein, a series of blades extending from a point near the discharge opening to the medial part of the drum on the interior thereof, the said blades being wider at their medial portions than at their ends having one edge secured to the inner side of the cylindrical portion and extending inwardly therefrom and being bent longitudinally intermediate their ends to form lifting and mixing scoops, a series of blades similarly secured and positioned extending inwardly from the head with charging opening and having their inner ends approximately in circumferential line with the inner ends of the first named blades, but not overlapping and being disconnected and spaced therefrom on said circumferential line.

1,532,802. UMBRELLA OR PARASOL. WILLIAM F. FRIETNER, Newport, Ky. Filed June 26, 1923. Serial No. 647,820. 5 Claims. (Cl. 135—16.)



1. In an umbrella fan, a wing adapted to be attached to the upper portion of said umbrella and manually operative means adapted to revolve said wing in one direction when said handle is rotated intermittently.

1,532,803. PIPE WRENCH. LEWIS D. FOWLER, Oklahoma City, Okla. Filed June 6, 1924. Serial No. 718,281. 2 Claims. (Cl. 81—98.)



1. A wrench comprising a handle member having near one end a laterally-extended jaw disposed at substantially right angles to the length of said handle member and having a convex terminal, said jaw being serrated along its outer edge and terminal, and a jaw member pivoted on the end of the handle member and having a serrated face opposed to the serrated face of said first-named jaw and terminal and an angular face serrated for opposed cooperation with said serrated terminal whereby an article may be gripped at three equidistant points of contact of said first-named jaw and angularly disposed faces of the other jaw.

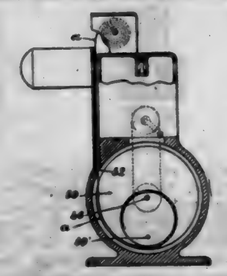
1,532,804. FOUNTAIN BRUSH. WALTER GARNER, Comanche, Tex. Filed Mar. 11, 1924. Serial No. 698,493. 1 Claim. (Cl. 15—131.)



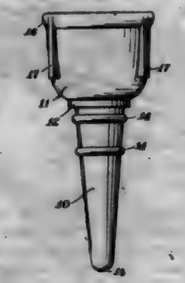
As an article of manufacture, an elongated hollow body forming a fluid container, said body being formed in its top and at one end with a diagonally disposed nipple, said nipple being closed at its outer end and said closed end being provided with discharge openings, said nipple being also formed at its point of connection with the body with a circumferential groove, a thimble surrounding said nipple for rotation about the same, the inner end of said thimble being bent into said groove to provide a swivel joint, said thimble being provided between its ends with an apertured partition cooperating with the adjacent end of said nipple, the adjacent end of said thimble being constructed to form a bristle retaining flange, said thimble being also provided with a laterally directed finger piece by means of which it is rotated.

1,532,805. MOTION-PICTURE APPARATUS. PIERRE SYLVAIN GAURIAT, Paris, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Filed Mar. 15, 1923. Serial No. 625,288. 2 Claims. (Cl. 242—55.)

1. In a motion picture apparatus, the combination with the driving mechanism for the film, of a receiving chamber for the film, provided at the lower part of the apparatus, and having an opening through which the film is adapted to be led, a disc rotatably mounted in said chamber, means operatively connected to said driving means for rotating said disc, a member provided with an inclined face adapted to press constantly the edge of the film upon said disc, and a stud carried by said disc, at right angle with the latter.

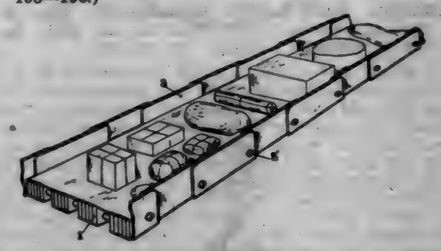


1,532,806. ICE-CREAM CONE. DAVID GREEBE, Baltimore, Md., assignor to Maryland Baking Company, a Copartnership composed of Joseph Shapiro, Isaac Shapiro, Nathan Shapiro, and Samuel Shapiro, Baltimore, Md. Filed Sept. 7, 1923. Serial No. 661,420. 6 Claims. (Cl. 99—11.)



1. An ice cream cone having on the outer surface of the cone near the top a plurality of vertical ribs to prevent too snug nesting of telescoped cones.

1,532,807. ENDLESS CONVEYER BELT. GEORGES GETTING and ADRIEN JONAS, St.-Denis, France. Filed June 11, 1921. Serial No. 476,759. 1 Claim. (Cl. 198—196.)



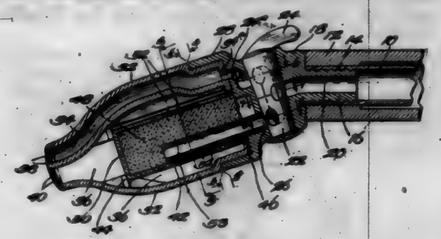
In an endless conveyer belt, a plurality of flexible straps placed side by side with their faces in abutting relation and edges thereof capable of engagement with the face of a pulley or drum, pins extending transversely through said straps and projecting outwardly beyond the sides thereof, and a plurality of rows of plates extending at right angles to the plane of the conveying surface of said belt, said plates being pivotally mounted on said pins and arranged to constitute articulated overlapping flanges forming longitudinal channels for the reception of goods to be conveyed.

1,532,808. LOOM PICKER. EDWARD J. GILLIGAN, South Hadley, Mass. Filed Nov. 30, 1923. Serial No. 677,854. 3 Claims. (Cl. 139—159.)



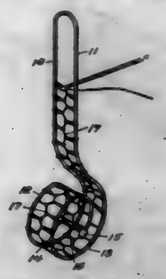
2. The combination with a picker stick of a picker comprising, a body of raw hide secured to the picker stick and provided with a tapered opening converging forwardly from the picker stick, and a tapered ferrule of hard fiber composition fitted in said opening for serving as the shuttle strike, the rear side of said ferrule having direct abutting contact with said picker stick.

1,532,809. DISHWASHER NOZZLE. ALFRED O. GIRARD, Chicago, Ill., assignor, by direct and mesne assignments, of one-third to B. B. Lipsner, one-third to Paul Sporer, and one-third to Milton A. Dreyfus, all of Chicago, Ill. Filed Apr. 24, 1922. Serial No. 556,190. 5 Claims. (Cl. 299—84.)



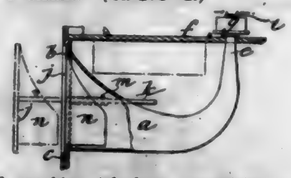
1. A dish washer nozzle of the class described having two groups of perforations for spraying the dishes and comprising two independent passages terminating in the groups of perforations, one of said passages being formed to hold a quantity of soap to be dissolved, a third passage for supplying water under pressure to the nozzle, the passages being so related in size as to insure the projection of sprays from the respective groups of perforations, and means for selectively directing water from said third passage through said independent passages to the groups of perforations.

1,532,810. LACE-MAKING IMPLEMENT. EDLA M. GOURLEY, Overton, Nebr. Filed Jan. 21, 1924. Serial No. 687,566. 2 Claims. (Cl. 66—17.)



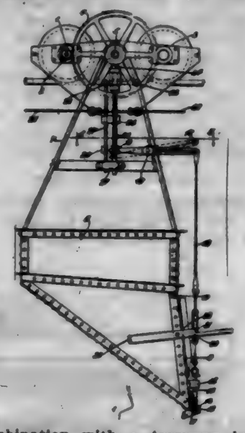
1. A device of the class described, comprising an implement formed from a section of wire in elongated U-shape with the terminals bent in volute form, and combined stops and caps on the ends of the volute portions to retain the product, and means for uniting the caps.

1,532,811. CABINET FOR USE WITH SOUND-REPRODUCING DEVICES. EDWARD ALFRED GRAHAM, Brockley, England. Filed Aug. 29, 1924. Serial No. 735,022. 3 Claims. (Cl. 274—2.)



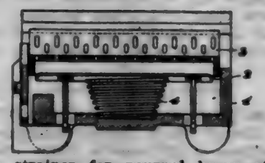
1. A loud speaking telephone comprising a cabinet, a sound amplifying trumpet enclosed therein and arranged with the open mouth of the trumpet coincident with an opening in one wall of the cabinet and a cover arranged opposite the open mouth aforesaid, said cover being constructed to serve as a sounding board and sound deflector and adjustable toward and from said mouth in a plane substantially at right angles thereto so as to vary the volume of the sound emitted from the trumpet and to modulate such sounds, substantially as described.

1,532,812. AUTOMATIC RELEASE FOR TRAMWAY BUCKETS. FREDERICK W. GRICE, St. Louis, Mo., assignor to Broderick & Bascom Rope Co., St. Louis, Mo., a Corporation of Missouri. Filed Feb. 8, 1924. Serial No. 691,512. 18 Claims. (Cl 105—242.)



1. The combination with a tramway bucket, a discharge door for the tramway bucket, and a carriage for the tramway bucket, of mechanism supported by the carriage and operated constantly during and as an incident to the travel of the carriage for unlatching the tramway bucket.

1,532,813. GREASE STRAINER FOR JOURNAL BOXES. FRANCISCO FLORES GUERRA, Mexico City, Mexico. Filed Nov. 12, 1924. Serial No. 749,523. 1 Claim. (Cl. 308—88.)



A grease strainer for pournal boxes of locomotive driving wheels, comprising a curved alloy body composed of 90% lead, 9% antimony and 1% tin, provided with oval conical perforations disposed in staggered position.

1,532,814. PHOTOGRAPHIC SENSITIZER AND METHOD OF MAKING SAME. GURNEY O. GUTEKUNST, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 21, 1921. Serial No. 509,438. 8 Claims. (Cl. 260—41.)

1. A carbocyanine dye effective for sensitizing photographic emulsions in the ultra-red region of the spectrum and produced by the action of a strong base in an alcoholic solution with a low water content on a 6-acetamino-quinaldine alkyl-halide in the presence of a condensing agent.

4. The process of making a carbocyanine dye by the action of a strong base in an alcoholic solution with a low water content on a 6-acetamino-quinaldine alkyl-halide in the presence of a condensing agent until a dye effective for sensitizing photographic emulsions and having a maximum effect at about 730 $\mu\mu$ is produced.

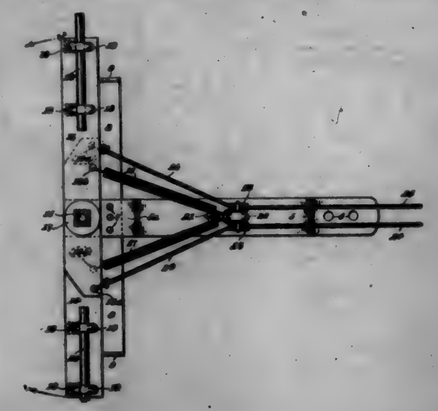
1,532,815. TONGS. WILLIAM J. HAHN, Philadelphia, Pa. Filed Mar. 26, 1923. Serial No. 627,607. 1 Claim. (Cl. 294—36.)



A device of the character described including a thin elongated shank member having a straight edge and opposite thereto an edge formed with a widened region adjacent each extremity, one of the extremities constituting a fixed jaw and the other extremity constituting a fixed handle, two bell crank levers each having their short arms bifurcated, the furcations of one bell crank lever disposed on the opposite sides of the widened region adjacent said shank handle and pivoted thereto, the furcations of the other bell crank lever disposed on opposite sides of the widened region adjacent said shank jaw and pivoted thereto, the long arm of one bell crank lever being formed to constitute a handle cooperative with said shank handle, the long arm of the other bell crank lever being formed to constitute a jaw cooperative with said shank jaw, the bifurcated short arms of the bell crank levers crossing and extending a distance beyond the straight edge of said shank member, and an adjustable connection pivotally connecting said bell crank levers, beyond the straight edge of said shank member, the extremities of said connection being pivoted between the furcations of the short arms of said bell crank levers, substantially as described.

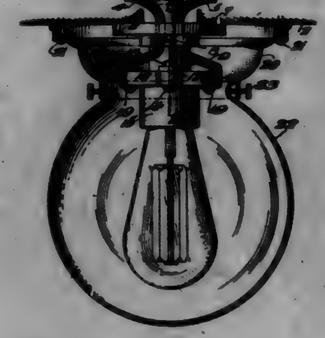
1,532,816. WHIP-ACTUATING DEVICE. PETER B. HANSEN and MELVIN HANSEN, Vivorg, S. Dak. Filed Dec. 6, 1923. Serial No. 678,945. 1 Claim. (Cl. 280—178.)

In a device of the type described, a reversely bent supporting bracket, an upright fastened to one end of said bracket, upper and lower arms pivoted on said upright, hook-shaped whip clamping bolts carried by each arm, a perpendicularly extending angular eye bolt connected to the intermediate portion of the reversely bent bracket, a spring connected to each arm outwardly of its pivot point and to the eye of said bolt, a transversely extending bar mounted on the end of the bracket to which said upright is fastened and having perpendicular end portions adapted to engage the ends of the arms for limiting their movements in the direction they are pulled by said springs, a pair of pulleys connected to the eye of said bolt, and a flexible cord attached to



the inner end of each arm and passing over said pulleys for permitting the arms to be moved against the pull of said springs.

1,532,817. ELECTRICAL FITTING. FREDERICK E. HARTWIG, Philadelphia, Pa. Filed Aug. 22, 1924. Serial No. 733,461. 2 Claims. (Cl. 240—85.)

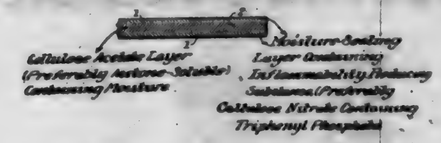


1. In an electrical fitting, a cap portion shaped for tool accommodation and having a threaded bore therein for the reception of the threaded end of a pipe, said cap having formed integral therewith a bottom wall closing one end of said bore, horizontal flanges extending from each side of said cap portion substantially flush with the bottom surface thereof, and integral therewith, an elongated opening through each of said flanges for receiving the socket supporting means, an electrical socket in abutting relation with the underside of said flanges and means passing through said flange openings for removably clamping said socket to said flanges.

1,532,818. COMPOSITE FILM. JAMES H. HASTE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 2, 1922. Serial No. 591,862. 2 Claims. (Cl. 95—9.)

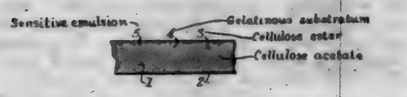
1. A composite film comprising a layer of cellulose acetate containing moisture which induces flexibility

therein, said layer being covered on each face thereof with a layer which restrains the exit of said moisture



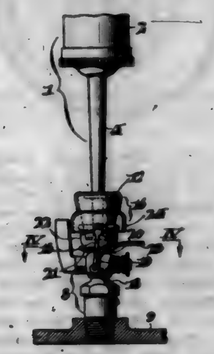
from said first named layer, said second named layer containing inflammability-reducing substances.

1,532,819. PROCESS FOR PREPARING PHOTOGRAPHIC FILMS. JAMES H. HASTE, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,378. 4 Claims. (Cl. 91—69.)



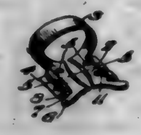
3. In the process of making a film having a light sensitive gelatino-silver-halid layer attached by a substratum to a nitrocellulose coating on a main acetone-soluble cellulose acetate layer, the steps of applying to said main layer a relatively thin coating of nitrocellulose varnish containing acetone to promote adhesion between said coating and main layer, partially drying said coating, applying over said partially dried coating a gelatinous substratum-forming liquid composition insufficient to remove said coating but containing a volatile nitrocellulose solvent to promote adhesion between said coating and said substratum, and drying together said superposed coating and substratum.

1,532,820. DEVICE FOR INTRODUCING FLUIDS INTO THE CYLINDERS OF INTERNAL-COMBUSTION MOTORS. DONALD MCKNIGHT HEPBURN, Philadelphia, Pa. Filed Dec. 12, 1921. Serial No. 521,890. 1 Claim. (Cl. 285—171.)



The combination with a nozzle for syringes of a resilient tapered tip adapted to seat against the mouth of a priming cup of an engine, a cap-piece within which the tip is housed, said cap piece having an expanded lower part constituting a surrounding splash guard, and toggle clamp mechanisms associated with the cap piece whereby said tip may be detachably secured to the priming cup with the resilient tip compressed to maintain a fluid tight seal.

1,532,821. RUBBER-DAM CLAMP. JAMES W. IVORY, Philadelphia, Pa. Filed May 14, 1924. Serial No. 713,130. 7 Claims. (Cl. 32—20.)



1. In a rubber dam clamp, tooth engaging and clamping jaws, connected by a bow spring, each jaw having dam-holding means of a curvilinear formation, convex at its inner end, and having an outer upwardly deflected terminal.

1,532,822. TOOL HANDLE. IRVING S. KEMP, Evansville, Ind. Filed May 10, 1923. Serial No. 638,065. 3 Claims. (Cl. 145—61.)



1. A handle for hammers, hatchets and the like comprising a grip portion sufficiently long to accommodate the operator's hand and being substantially elliptical in general outline in cross view, and having oppositely disposed upper and lower convex surfaces defined in cross view substantially by arcs, such arcs being so positioned that circles produced therefrom respectively intersect each other, said convex surfaces being of materially great length to provide a relatively wide rounded surface at the top and also at the bottom of the handle, there being an upper pair and a lower pair of substantially flat sides on said grip portion, the upper and lower sides merging into said upper and lower convex surfaces respectively, the upper sides diverging from each other and the lower sides diverging from each other.

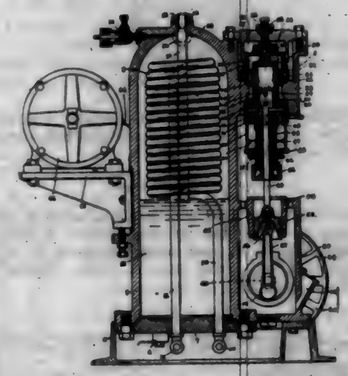
1,532,823. CORSET. REGINA B. KIRBY, Somerville, N. J. Filed May 17, 1924. Serial No. 713,893. 1 Claim. (Cl. 128—291.)



A bandage support comprising a hip corset of elastic material and provided with a horizontal slit in the lower portion of the front and a horizontal slit in the lower portion of the back, flaps secured by their top ends to

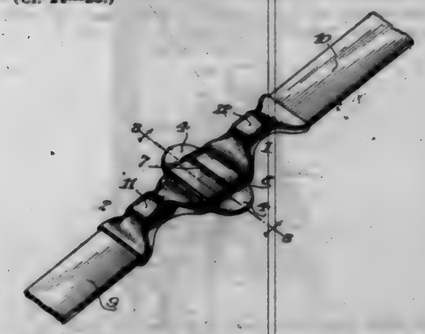
the outside upper portion of the front and back of said corset, said flaps being located above said slits and adapted to have the ends of a bandage secured thereto, said slits being adapted to have a bandage passed therethrough, and the resilient corset in the region of said horizontal slits tending to hold said bandage flat and maintain it yieldably in position.

1,532,824. REFRIGERATING APPARATUS. GEORGE F. KNOX, Milwaukee, Wis. Filed Mar. 27, 1922. Serial No. 547,071. 2 Claims. (Cl. 62—116.)



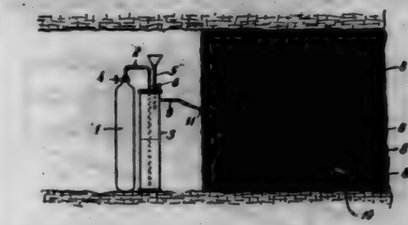
1. In an apparatus of the class described the combination of a closed chamber; means for admitting a refrigerating fluid to said chamber; means for automatically controlling the amount of fluid admitted to said chamber to prevent an over-charge; means for withdrawing said fluid from said chamber in a liquid form and supplying it to a refrigerating apparatus, whereby it may absorb heat and be converted into a gaseous form; power driven means for compressing said gas; means for conducting said gas from said refrigerating apparatus to said compressor and from said compressor back to said chamber; and means for circulating a cooling medium within said chamber, whereby said gas may be cooled and liquefied.

1,532,825. JOINT. JOHN W. LESLIE, Evanston, Ill. Filed Oct. 25, 1920. Serial No. 419,447. 12 Claims. (Cl. 24—23.)



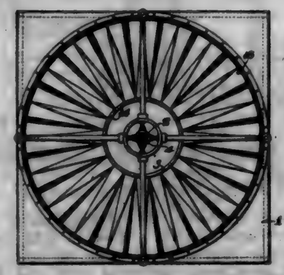
3. A connecting element for forming a joint in box strap ends or the like comprising a pair of oppositely extending members, each adapted to be secured individually to a box strap end, and to guide the same as it is fed longitudinally therein, and means in the connecting element, for deflecting said binder ends relatively to permit the same to clear each other as they are fed into overlapping position.

1,532,826. TREATMENT OF COAL. RUDOLF LESSING, London, England. Filed Sept. 12, 1921. Serial No. 500,180. 14 Claims. (Cl. 262—3.)



1. The method of treating massive mineral coal which comprises subjecting the coal at a temperature below the decomposition temperature of the organic coal constituents to the action of an agent capable of weakening the bond of union between the organic constituents of the coal by chemical action, and thereafter separating the said constituents thus weakened to the desired extent by the action of such agent.

1,532,827. ROTARY FAN. GEORGE C. LEWIS, Philadelphia, Pa. Filed Feb. 21, 1923. Serial No. 620,342. 1 Claim. (Cl. 170—168.)



In a rotary fan of the multiple-blade type, the combination of a casing to support a fan shaft, a fan shaft adjustably supported in said casing, a plurality of counterpart blades which each embody oppositely inclined intake edges and leaving edges, and the body portion of each of which is composed of three radially-extending surfaces the continuous peripheral edges of which are of greater breadth than the continuous basal edges,—a hub fixed to said shaft and to which the basal edges of the blades are secured at an angle to its axis,—means for securing said basal edges to the rotary hub at an angle to its axis,—a cylindric rim encompassing the peripheral edges of the blades and to which said peripheral edges are secured at an angle different from that of the connection of the basal edges with the hub,—and means for securing said peripheral edges to said rim,—whereby in the mounting a radial twist is imparted to each blade.

1,532,828. SIGNAL BLADE. BENJAMIN F. LOLLIS, Berwyn, Ill., assignor of one-half to Otto S. Flath, Chicago, Ill. Filed Nov. 25, 1921. Serial No. 517,457. 3 Claims. (Cl. 246—482.)

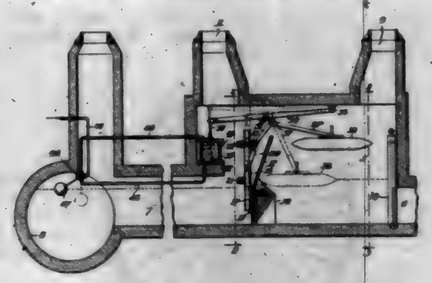
2. A signal blade composed of sheet metal provided with rigidifying surfaces along the longitudinal axis and adjacent to the longitudinal edges of the sheet to constitute a self supporting blade, and a bracket member of comparatively thin metal, channeled intermediate of its sides, with the intermediate channeled portion formed to provide a comparatively wide flat surface adapted to extend flush with the depressed flat sur-

face of the blade intermediate of the longitudinal edges thereof and integrally secured to the blade to provide an imperforate front surface, the rigidifying surfaces at the longitudinal axis of the blade increasing in width toward



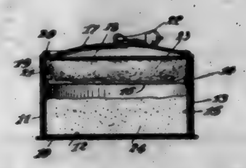
one end of the blade, with the points of attachment between the blade and the bracket member being arranged to compensate for differences in expansion and contraction between the blade and the bracket member.

1,532,829. SEWAGE-FLOW REGULATOR. HENRY L. MCMILLAN, Chicago, Ill. Filed Apr. 29, 1921. Serial No. 465,579. 10 Claims. (Cl. 137—78.)



1. In a flow regulator, the combination of a chamber, a control gate therein, a float in said chamber, a bell crank lever fulcrumed in said chamber, the long arm of said lever being connected with said float, and a toggle connection between the short end of said lever and said gate, said bell crank lever and said toggle connection being proportioned to close the gate upon rising movements of the float inversely proportional to the increased flow through a fixed opening resulting from an increased water head.

1,532,830. CONTAINER. JOSEPH A. MARCHAU, Montreal, Quebec, Canada. Filed Mar. 28, 1924. Serial No. 702,595. 4 Claims. (Cl. 132—82.)



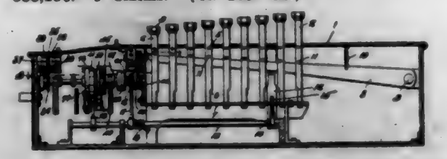
1. In a container, in combination, a bottom member having upwardly extended sides, a removable sifting member having a foraminous top and sides abuttable upon the bottom capable of placement within the bottom member and a top member having downwardly extended sides capable of abutment upon the sifting member when the top member is placed within the sides of the bottom member, a space being formed between the top member and the sifting member.

1,532,831. PRESERVING AND PACKING OF FOODS. MARION G. MARTIN, Canajoharie, N. Y. Filed May 17, 1922. Serial No. 561,606. 2 Claims. (Cl. 99—8.)



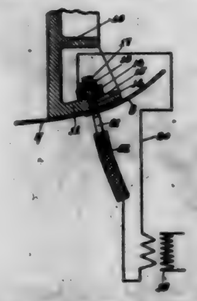
2. A method of preserving nuts, which consists in enclosing the same in a suitable receptacle together with a vegetable charcoal.

1,532,832. CALCULATING MACHINE. JAMES F. MAYS, Lexington, N. C., assignor of one-fourth to A. M. Kistler, Morganton, N. C., and one-fourth to D. E. Rhyne, Lincolnton, N. C. Filed May 8, 1922. Serial No. 558,156. 9 Claims. (Cl. 235—82.)



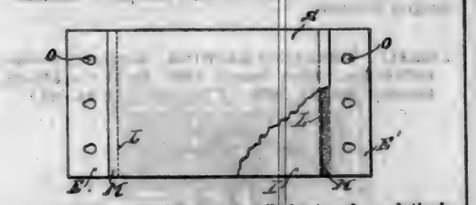
1. In a calculating machine separate dial mechanisms each including a key actuated driving wheel, a floating wheel, a spring controlled by the driving wheel for storing energy, projections on opposite faces of the floating wheel in staggered relation, separate levers mounted for engagement with the projections on opposite sides of the floating wheel respectively, and separate cams directly engaging the levers to shift them successively into wheel holding positions.

1,532,833. ELECTRIC-WELDING JIG. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 6, 1922. Serial No. 586,410. 23 Claims. (Cl. 219—4.)



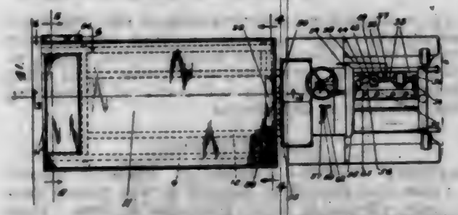
1. An electric welding jig comprising a frame supporting in assembled position the members to be welded together, welding plugs carried by said frame at the points at which it is desired to make electric welds in the said members, a movable electrode, and means connecting said welding plugs and electrode in a welding circuit.

1,532,834. STENCIL SHEET. JAMES H. RAND, North Tonawanda, N. Y. Filed Apr. 14, 1922. Serial No. 552,792. 9 Claims. (Cl. 41—3.5.)



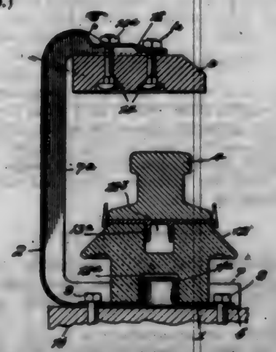
1. A stencil comprising a stencil sheet and a relatively heavy strip attached to each of two opposite margins for attaching the stencil to a holder, said strips being constructed to interengage with the holder.

1,532,835. PORTABLE PARTIAL-LOAD AND FULL-LOAD WEIGHING DEVICE. ALLEN SCHLABACH, Hubbard, Oreg. Filed Jan. 9, 1924. Serial No. 685,189. 9 Claims. (Cl. 265—41.)



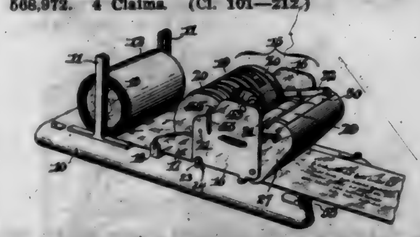
1. A portable partial load and full load weighing device comprising a portable motor propelled vehicle mounting a frame and a subframe, means for supporting the subframe within the frame upon hydraulic cylinders having pistons and piston rods adapted to raising the subframe through pistons and piston rods actuated by liquid under pressure, means for supplying pressure within the cylinders by pumping, weighing mechanism mounting the subframe, and means for leveling the weighing mechanism.

1,532,836. THIRD-RAIL SUPPORT AND PROTECTION-BOARD BRACKET. ERNEST E. SCHMID, Hollis, and WILLIAM H. SCHNEIDER, Freeport, N. Y. Filed Apr. 25, 1924. Serial No. 708,874. 5 Claims. (Cl. 191—30.)



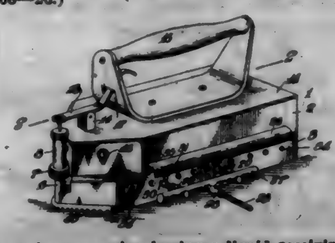
1. A third rail support formed from sheet metal comprising a base, an integral upstanding flange at the edge of said base substantially surrounding the same, an upstanding projection approximately at the center of said base, a third rail insulator stool resting on said base between said flange and said projection and means outside the circumference of the base of said insulator stool and inside said flange for securing said support to a railway tie.

1,532,837. PAPER HOLDER. HIRSTEN SKIDDER, Reading, Pa., assignor to International Advertising Specialty Company, Wernersville, Pa., a Corporation of Pennsylvania. Filed June 17, 1922. Serial No. 568,972. 4 Claims. (Cl. 101—212.)



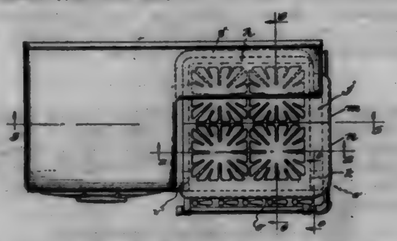
1. A device of the character described comprising means for supporting a strip of paper in roll formation whereby it may be withdrawn as required by unwinding of the roll, a printing roller carrying type adapted to engage the paper and be rotated by frictional engagement therewith to print successive imprints at spaced intervals along the paper during its withdrawal, means comprising an endless band and a transfer device for inking the type, and means operable by rotation of the printing roller to intermittently progress the inking means.

1,532,838. IRON. HARRY S. SHAW, Atlantic City, N. J. Filed Feb. 1, 1923. Serial No. 616,263. 4 Claims. (Cl. 68—26.)



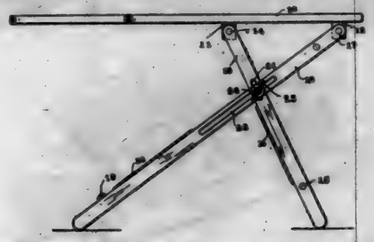
1. In an iron, a casing having a liquid receiving chamber and having a portion of its bottom ironing surface formed by a substantially plane surface and another portion formed by a rotatably mounted roll, means within said casing to effect the internal heating of the ironing surfaces and the liquid chamber, and a valve controlled steam discharge communicating with said chamber.

1,532,839. STOVE GRATE AND SUPPORT. ALVIN G. SHERMAN, Detroit, Mich., assignor to Detroit Vapor Stove Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 23, 1923. Serial No. 676,520. 8 Claims. (Cl. 126—39.)



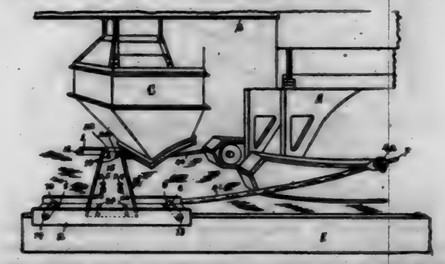
1. In a cooking stove, an outer sheet metal shell construction forming the splasher board and provided with bent offsets continuing directly downward to form the burner pit and forming grate seats, and a removable grate structure which seats by gravity on the said grate seats, the seats and grates having interlocking portions to prevent the grates sliding off.

1,532,840. IRONING BOARD. JOHN A. SLAMA, Racine, Wis. Filed July 14, 1922. Serial No. 575,121. 1 Claim. (Cl. 68—10.)



In an adjustable and collapsible ironing board a body portion, two transversely arranged reinforcing members secured to said body, a pair of legs pivoted to each reinforcing member, said pairs of legs being crossed, each pair of legs being provided with elongated slots, the slots of said pairs of legs registering, a spacing sleeve interposed between the inner pair of legs, a pivot bolt passing through said slots and said spacing member and a thumb nut screw threadedly engaging said pivot bolt for securing said bolt in position in said slots.

1,532,841. SUBGRADER. ROBERT W. STATTON, LEONARD L. STATTON, JAMES F. STATTON, and CHARLES V. STATTON, Eldorado, Ohio. Filed Oct. 23, 1924. Serial No. 745,335. 2 Claims. (Cl. 94—45.)



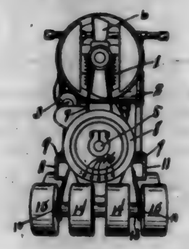
1. A sub-grader comprising two carriages spaced apart and having rollers adapted to revolve upon tracks which form the side walls of the proposed roadway, an I-beam with its end rigidly connected to said carriages and spanning the space therebetween, an inverted channel shaped drag member of same width as said beam and located therebelow and spaced therefrom, manually operable screws located near each of the four corners of said beam and extending through said drag member and adapted to hold the drag member in suspension and providing means whereby the drag member may be adjusted with relation to said beam, blades adjustably attached to the forward face of the drag member, and means whereby the device may be drawn forward.

1,532,842. PROCESS OF UNITING THICK METAL PLATES BY ELECTRIC WELDING. RICHARD STRESAU, Wauwatosa, Wis., assignor to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Jan. 12, 1923. Serial No. 612,264. 8 Claims. (Cl. 219—10.)



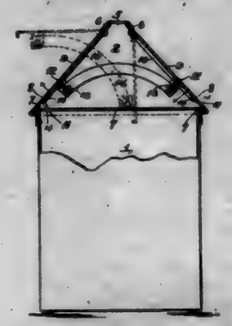
1. In electric arc welding, the process of uniting separate metal plates which consists in arranging in proximity the edges of plates to be united, compressing the metal of the plates in the line of their adjacent edges to form a welding groove, and fusing the edges of the plates in the region of such groove to weld the plates into an integral structure.

1,532,843. VIBRATING MACHINE. ROBERT C. STUBBS, Dallas, Tex. Filed June 2, 1922, Serial No. 565,421. Renewed Feb. 11, 1925. 5 Claims. (Cl. 94—43.)



1. A vibrating machine comprising an operating motor and fly-wheels actuated thereby, a hanger therefor bolted rigidly to said motor, shafts mounted in said hanger, variable means for unbalancing said fly-wheels, and rollers mounted on and balancing said shafts for transmitting the vibrations of said machine.

1,532,844. WASTE RECEPTACLE. ROBERT T. SUDDENDORF, Cincinnati, Ohio, assignor to Witt Cornice Company, Cincinnati, Ohio. Filed Feb. 8, 1924. Serial No. 691,409. 2 Claims. (Cl. 220—82.)



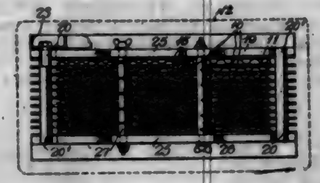
1. A hood for a waste receptacle, comprising a plurality of convergent sides, two of said sides having openings convergent upwardly, doors hinged on pivots out of alinement with each other at the opposite sides respectively of said hood and swingable through said openings, and a rigid bar extending from one door to the other and hinged to both.

1,532,845. BLEACHING AND WASHING COMPOSITION. BERTRAND S. SUMMERS, Port Huron, Mich. Filed Dec. 17, 1921. Serial No. 523,170. 2 Claims. (Cl. 8—2.)

1. As an article of manufacture, a mixture of dry bicarbonate of an alkali metal and calcium hypochlorite.

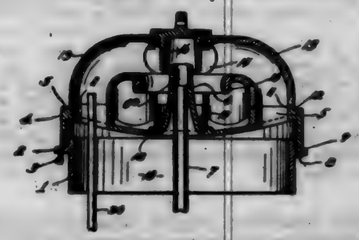
1,532,846. ELECTRICAL CONDENSER. CHESTER H. THORDARSON, Chicago, Ill. Filed Mar. 31, 1920. Serial No. 370,061. 7 Claims. (Cl. 250—41.)

4. An electrical condenser comprising interleaved dielectric and conducting elements, the conducting elements being of wave-like transverse formation to provide at the sides thereof passages for a cooling liquid, said dielectric elements extending transversely and longitudinally beyond the margins of the conducting elements,



means for tying the structure together, combined with means to interlock with the dielectric elements to hold them from movement in their planes.

1,532,847. OIL BURNER. NATHAN R. TERRELL, Kansas City, Mo. Filed Apr. 26, 1921. Serial No. 634,716. 5 Claims. (Cl. 158—91.)



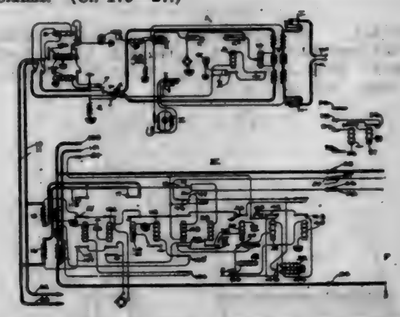
1. In an oil burner, a base plate, spaced air conduits leading from said base plate and converging toward a point centrally of and above said plate to form an air chamber and being formed in their upper wall with an opening axially alined with said plate, a vertical fluid nozzle carried by said plate in axial alinement with said opening, and an inverted tubular heat conducting element depending through said opening and supported by said conduits, the periphery of said element being spaced slightly from said nozzle.

1,532,848. LOOM FOR HAND WEAVING. JOSEPHINE MARIE WEIL, New York, N. Y. Filed Feb. 4, 1921. Serial No. 442,395. 2 Claims. (Cl. 139—33.)



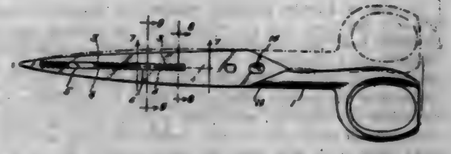
1. A loom embodying means for securing opposite ends of the warp and separating means located intermediate the warp securing means and comprising a wire screen having a suitable mesh forming substantially rectangular openings and composed of a series of transverse and horizontal wire strands.

1,532,849. SEMIAUTOMATIC TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 22, 1918, Serial No. 241,355. Renewed Sept. 18, 1922. Serial No. 589,017. 39 Claims. (Cl. 179—27.)



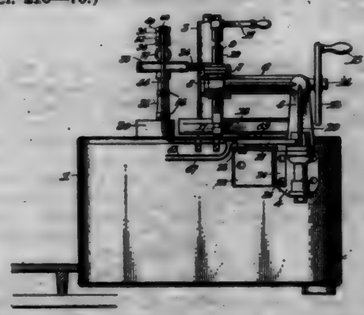
1. In a telephone system, a trunk line, a plurality of automatic switches associated with said trunk line, a simplex circuit superimposed on said trunk line, and means for operating said switches simultaneously over said superimposed circuit.

1,532,850. SCISSORS. ABRAM TOWNSEND YARD, Maplewood, N. J. Filed Feb. 9, 1924. Serial No. 691,541. 8 Claims. (Cl. 30—13.)



1. Scissors comprising a blade carrier having longitudinally extending undercut grooves opening in the blade engaging face of said carrier and a tongue receiving recess communicating with said undercut grooves, and a blade having tongues projecting from one face thereof and positioned to engage said grooves to retain the blade in pressed engagement with the carrier.

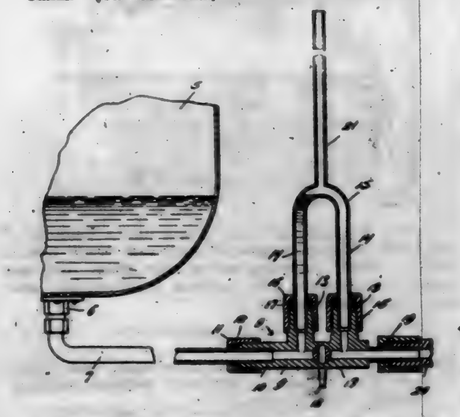
1,532,851. ELECTRICALLY-OPERATED SAFETY LOCK FOR CENTRIFUGAL DISCHARGING MACHINES. WILLIAM E. ZUCCARELLO, Longmont, Colo., assignor of one-fourth to Lars P. Pilkaer, Denver, Colo. Filed Jan. 8, 1924. Serial No. 685,070. 11 Claims. (Cl. 210—70.)



1. In a machine of the character described having a rotatable shaft, the combination with a rotatable standard on said machine, a lock arm for engaging said

standard to prevent rotation of the same, a magnet in circuit with an electric power source for actuating said lock arm, and means operated by said shaft when the same is rotating at high speed, to close the circuit through said magnet.

1,532,852. RESERVE-SUPPLY-TRAPPING MEANS FOR GASOLINE TANKS. ALFRED R. ADAMS, Detroit, Mich. Filed Apr. 10, 1924. Serial No. 705,561. 1 Claim. (Cl. 158—46.5.)



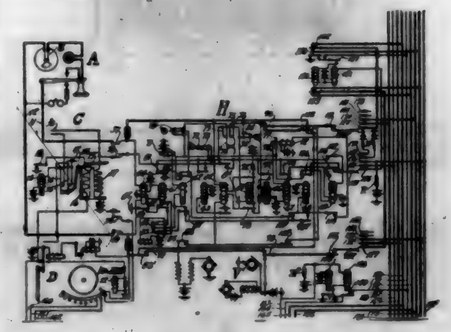
A reserve supply trapping means for gasoline tanks wherein the tank has an outlet from the bottom, and a gasoline feed pipe extending substantially horizontally therefrom comprising a cast body member having a horizontally arranged tubular section formed with an axial bore having an enlarged portion at one end for receiving the end of said feed pipe, a packing gland threaded on said end of the section to form a liquid tight joint with said pipe, the other end of the section having a reduced external diameter for receiving another feed pipe connection thereon, the central portion of the section of the body member having spaced parallel upstanding nipples formed thereon, and provided with bores communicating with said axial bore, and enlarged at the end portions to form sockets, an inverted Y-shaped pipe member having the similar adjacent ends positioned and mounted in said pockets of said nipples on the body member, and secured therein, in fluid tight relation, the outer end of said pipe member extending upwardly above the horizontal plane of the top of the tank, and a valve in said body member controlling the passage through the axial bore therein between said nipples, said Y-shaped pipe member trapping a predetermined quantity of gasoline in the tank, and providing a by-pass in the feed pipe around said valve.

1,532,853. COMBINATION HALTER AND BRIDLE. SALVADOR S. AGUILAR, San Francisco, Calif. Filed Apr. 30, 1924. Serial No. 709,999. 4 Claims. (Cl. 54—6.)



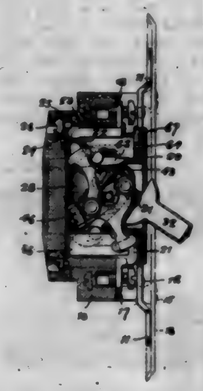
1. A combined halter and bridle including a halter, a metal band extending through the nose band of the halter and having slots at its ends for securing a bit frame thereto, a bit frame having lugs to connect it with the slots in said metal band and a chain having its ends connected to said bit frame and passing under the horse's jaw.

1,532,854. AUTOMATIC TELEPHONE SYSTEM. ALBERT ANDERSEN and WILLIAM A. CHAPIN, Chicago, Ill., assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 23, 1920. Serial No. 432,818. 14 Claims. (Cl. 179—18.)



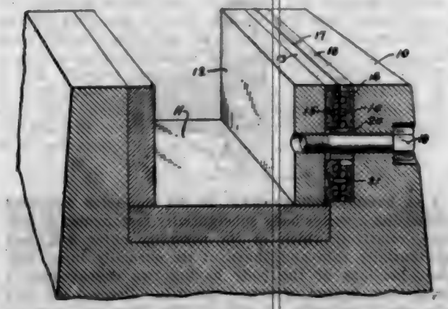
1. In a telephone system, calling and called lines, an automatic connector switch, means whereby the subscriber on one of said calling lines may establish a connection with one of said called lines by means of said switch, a holding trunk, and means responsive to the restoration of the receiver at the called substation for transferring the connection of the calling line to the said holding trunk.

1,532,855. ELECTRIC SWITCH. CARL ERIC ANDERSON, Stratford, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 22, 1921. Serial No. 524,215. 18 Claims. (Cl. 200—67.)



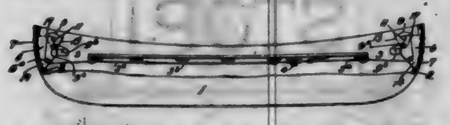
1. An electric switch comprising a chambered insulating body, a sheet metal supporting bridge therefor, a single frame plate integral with said bridge and offset at substantially right angles thereto, and extending into the chamber of said insulating body, and a switch mechanism mounted on said frame plate and comprising an oscillating member straddling the upper margin of the plate, and a second oscillating member straddling the lower margin of the plate.

1,532,856. PRESSURE-RELIEVING MEANS FOR DRAWING PRESSES. BINGHAM T. ANDERS and JOHN DILOT, Milwaukee, Wis., assignors to A. O. Smith Corporation, Milwaukee, Wis., a Corporation of New York. Filed Oct. 17, 1924. Serial No. 744,097. 4 Claims. (Cl. 113—28.)



1. Pressure relieving means comprising hardened metal plates provided upon their opposed faces with cutting edges, in combination with a plate of softer metal disposed between the hardened plates and subjected to shearing action when the pressure upon the hardened plates exceeds the normal resistance of the interposed plate.

1,532,857. ENGAGING AND DISENGAGING GEAR FOR SHIPS' BOATS. JAMES D. ANDREW, Englewood, N. J., assignor, by mesne assignments, to Welin Davit & Boat Corporation, a Corporation of New York. Filed Oct. 9, 1922. Serial No. 593,405. 7 Claims. (Cl. 9—23.)



1. In engaging and disengaging gears for ships' boats, the combination with a pivoted tripping hook, of a hook-mounting bracket comprising two spaced and laterally-extending plates between which said hook is pivoted, each of said plates having integrally formed bearing and attaching ring-guiding portions, and means for actuating said hook to swing about its pivot to engaging and disengaging positions respectively.

1,532,858. MANUFACTURE OF YEAST. RAYMOND F. BACON, Pittsburgh, Pa., assignor, by mesne assignments, to The Fleischmann Company, a Corporation of Ohio. Filed July 31, 1919. Serial No. 314,564. 8 Claims. (Cl. 195—30.)

1. In the art of yeast manufacture, the process of producing yeast which comprises preparing a yeast nutrient solution containing sugar material and yeast nourishing inorganic salts, propagating yeast therein with aeration, and adding extraneous vitamino-containing material, in amounts sufficient to produce high percentage yields of yeast relative to the amounts of sugar and salt nutrients employed.

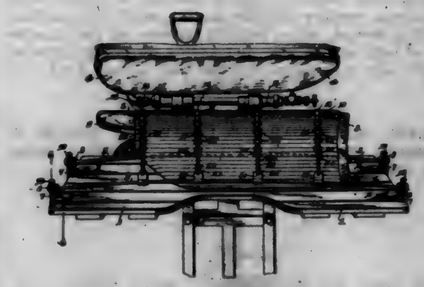
1,532,859. SELF-DEFENSE SHOOTING DEVICE. WILLIAM H. BALCH, Philadelphia, Pa. Filed June 23, 1924. Serial No. 721,797. 3 Claims. (Cl. 42—1.)

1. A shooting device including a support; a battery mounted thereon; a fire arm mounted thereon; a pulley rotatably mounted thereon; a contact finger carried thereby, and controlling means for rotating the pulley to bring the finger into engagement with the connections from the spark coil and battery to complete a circuit therethrough for actuating the fire arm.



3. A shooting device including a pair of housings; straps connecting the housings for attaching them to the body of the user; fire arms mounted in each housing; controlling means connected with the fire arm in one housing and adapted to be attached to one arm of the user, and controlling means connected with the fire arm of the other housing and adapted to be attached to the other arm of the user, the fire arms being actuated by raising the arms of the user.

1,532,860. ATTACHMENT FOR IRONING PRESSES OR MACHINES. ISAAC R. BARKSDALE and EDWARD MARTIN O'CONNELL, Glendale, Calif., assignors to Clyde C. Rambo and Bessie T. Wood, both of Los Angeles, Calif. Filed Nov. 20, 1923. Serial No. 675,878. 1 Claim. (Cl. 68—9.)

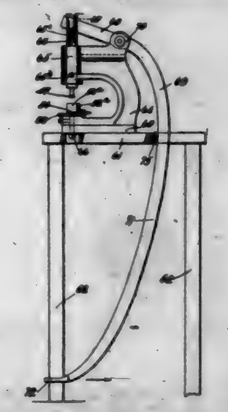


An attachment for ironing presses or machines comprising a set of flexible holding elements each having each terminal portion thereof provided with a set of spaced attaching devices, two sets of resilient coupling elements, one of each set of coupling elements being detachably connected with one of a set of attaching devices, and a pair of anchoring elements, each of said anchoring elements being common to and connected to a set of coupling elements.

1,532,861. APPARATUS FOR ATTACHING SHOE PARTS. REINHARD E. BARTELS, Lynn, Mass. Filed June 9, 1922. Serial No. 567,068. 7 Claims. (Cl. 1—19.)

8. An apparatus of the class described, comprising means for holding in relatively assembled positions two

members comprising a shoe part and a stiffener, said stiffener having attaching elements at each end, and a hammer having a pair of spaced striking heads actuable



to strike one of said members opposite the attaching means at both ends of said stiffener to fasten said members together.

1,532,862. METHOD AND MEANS FOR FIXING SHANK STIFFENERS IN SHOES. REINHARD E. BARTELS, Lynn, Mass. Filed June 12, 1924. Serial No. 719,678. 14 Claims. (Cl. 36—76.)



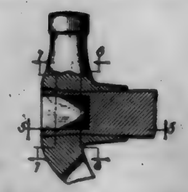
14. A shoe comprising a sole member, a headed member carried thereby and having its head lying against one face thereof, and a pronged stiffener on the opposite face of said sole member and having its prongs clinched in said sole member within the area of said head.

1,532,863. CALENDAR-PAD FASTENER. SAMUEL B. BARTOLD, Chicago, Ill. Filed July 24, 1924. Serial No. 728,083. 4 Claims. (Cl. 40—120.)



3. The combination with a back and a pad of calendar or other sheets therefor, of a one-piece wire fastener bent to have a mid-portion and end portions transverse thereto, with the end portions bent to have loops at their outer ends and transverse intermediate portions joining the loops to said mid-portion, said fastener being applied to the back with its loops in front of the same and extending through the back and through holes in the pad to support the latter, said intermediate and mid-portions being to the rear of the back, and a clip on the back and engageable with said mid-portion on springing the same under the clip for detachably locking the fastener to the back.

1,532,864. WEDGE FOR TOOL HANDLES. JOSEPH F. BARHAM, Evansville, Ind., assignor, by mesne assignments, to Evansville Tool Works, Incorporated, Evansville, Ind., a Corporation of Indiana. Filed Jan. 8, 1923. Serial No. 611,238. 2 Claims. (Cl. 306—35.)



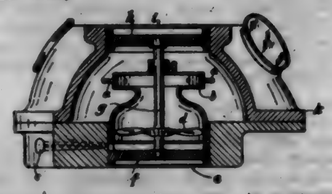
1. A handle-holding wedge of the character described comprising a wedge body substantially rectangular in side view, relatively thick at its normally outer end, and substantially thin and sharp at its normally inner end, inner portions of the body having two concave-convex formations spaced apart, oppositely directed in end view and diagonally directed in side view and merging into each other on substantially ogee lines in end view, said formations providing on each side of the wedge a trough-like recess diagonally directed, substantially half the width of the wedge at its sharp edge and gradually decreasing in width and depth toward the thick end of the wedge, the relatively thick outer portions of the wedge being free of said concavo-convex formations.

1,532,865. TRAFFIC SIGNAL. MILO H. BECK, Oilton, Okla. Filed Sept. 3, 1924. Serial No. 735,594. 2 Claims. (Cl. 40—125.)



1. A traffic signal including spaced carrier devices adapted to be supported in a roadway, a signal bearing element mounted for oscillation relative to said carrier devices, a spring coupled to one of said carrier devices and operative against one face of the signal bearing element, and a spring coupled to the other carrier device and operative against the other face of said signal bearing element, said springs coacting to maintain the signal bearing element yieldably in vertical position.

1,532,866. VAPORIZER FOR INTERNAL-COMBUSTION ENGINES. LEONHARD BECKER, Wiesbaden, Germany. Filed Feb. 1, 1924. Serial No. 690,012. 1 Claim. (Cl. 48—180.)



A vaporizer for internal combustion engines, comprising a case having an inlet for communication with the carbureter of the engine to receive the gaseous mixture

therefrom, and also having an outlet opening for communication with the engine intake to deliver the vaporized mixture thereto; a vertical shaft in said case supported in at least one of said openings; a hollow body carried by said shaft and having an open inlet end which is disposed immediately opposite and adjacent to the inlet opening in the case, to permit the gaseous mixture entering said case to pass directly into said body; and a series of bent spraying tubes attached to the periphery of said body and through which the mixture is adapted to flow, whereby said body will be automatically rotated at high speed solely by the reaction of the mixture on said tubes during its passage therethrough, and said mixture will be discharged from the tubes in the form of an extremely fine mist.

1,532,867. RADIATOR FOR TRANSFORMER TANKS. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Oct. 1, 1920. Serial No. 414,146. 1 Claim. (Cl. 257—191.)



The combination with a transformer tank of a plurality of detachable radiators therefor comprising upper and lower headers and connecting pipes, a connection from the tank to the upper header below the top thereof, the top of said header being removable to permit access to all of said pipes and means between the radiators and tank to allow draining of the radiator independently of said tank, said means being also adapted to prevent draining of the tank on removal of the radiator.

1,532,868. BRAKING DEVICE. JASPER BLACKBURN, Webster Groves, Mo. Filed Oct. 10, 1921. Serial No. 506,567. 5 Claims. (Cl. 74—81.)



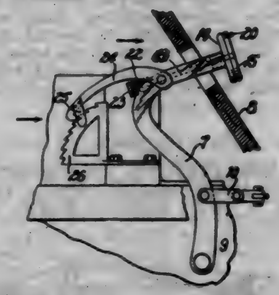
1. A braking device comprising in combination with an automobile having service and emergency brakes, a pair of levers for operating said brakes, brake rods attached to said levers, a foot lever for operating said brake rods, a dog formed integral with said foot lever, a pivotally mounted pawl provided with ratchet teeth adapted to normally engage with said dog secured to said automobile, and a foot rod for releasing said pawl from engagement with the dog.

1,532,869. SIDE CLOSURE FOR AUTOMOBILES. JASPER BLACKBURN, St. Louis, Mo. Filed Feb. 6, 1922. Serial No. 534,378. 2 Claims. (Cl. 296—45.)



1. A side closure for automobiles comprising a frame composed of an upper and a lower section having their side members hingedly secured together, pins adapted to be inserted through the hinges for holding said frames in extended position, a textile covering secured to each frame, and a free depending flap formed integral with the lower edge of each textile covering said flap extending below the section which carries it, in combination with an automobile having doors which have their inside and top faces hingedly mounted so as to form a storage place for said closures when not in use.

1,532,870. BRAKING DEVICE. JASPER BLACKBURN, Webster Groves, Mo. Filed Sept. 25, 1923. Serial No. 664,675. 3 Claims. (Cl. 74—81.)

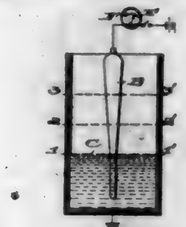


1. A braking device comprising a brake lever, brake rods carried by said lever, a hook pivotally carried by said lever, a toothed segment located adjacent said brake lever, and means carried by said brake lever and contacting with said hook for raising and maintaining said hook out of engagement with said segment, said means adapted to be moved out of contact with said hook for lowering the same into contact with said segment, whereby said brake lever is held in set position.

1,532,871. LEVEL-INDICATING DEVICE. FRANZ GEORG BLOCH, Boblingen, Germany. Filed Dec. 1, 1920. Serial No. 427,648. 5 Claims. (Cl. 219—40.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

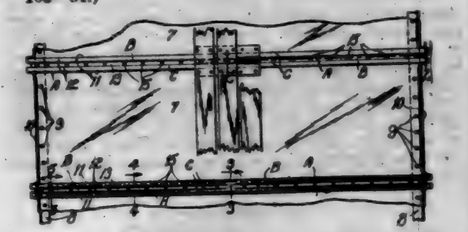
1. The combination with a body of liquid, of a resistance element extending downwardly into the liquid to a predetermined level and an electric circuit connected to

the top of the resistance element and providing a terminal at a level below the lower end of the element whereby the circuit includes the resistance element and a



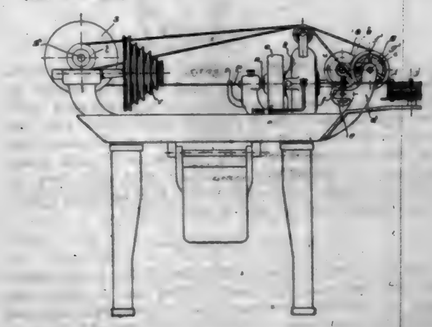
gap filled by the liquid, the resistance element having a high specific resistance increasing substantially uniformly from top to bottom.

1,532,872. CAR ROOF. CHARLES DAVID BONSALL, Pittsburgh, Pa., assignor to P. H. Murphy Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Apr. 30, 1924. Serial No. 709,977. 15 Claims. (Cl. 108—54.)



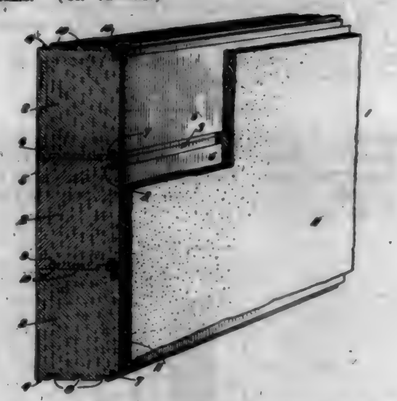
1. A car roof comprising metal roof sheets having upwardly offset side marginal portions that are lapped for a portion of their width and positively secured together to form hollow upstanding seams whose cross sectional shape changes from an inverted channel section at the ridge into a section at the eaves comprising two inverted channels that are separated by an upwardly opening channel of a width corresponding substantially to that of the sheet lap.

1,532,873. WIRE REDUCING. LOUIS GUSTAVE BÉGOUET and PAUL ALBERT BÉGOUET, Geneva, Switzerland. Filed Dec. 5, 1921. Serial No. 520,110. 2 Claims. (Cl. 78—21.)



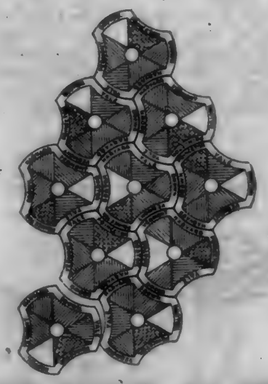
1. In a wire-drawing machine for reducing very coarse wire at once to very wire, the combination of a pair of coacting hammers having a series of reducing rings formed into steps differing only slightly in diameter and connected by conical intermediate portions adapted to take a firm grip on the wire; a wire-feeding mechanism; and operating means for the hammers.

1,532,874. BUILT-UP PANEL. HARRY W. BROADY, Bayside, N. Y., assignor, by mesne assignments, to American Balsa Wood Corporation, a Corporation of New York. Filed June 14, 1921. Serial No. 477,475. 5 Claims. (Cl. 72—38.)



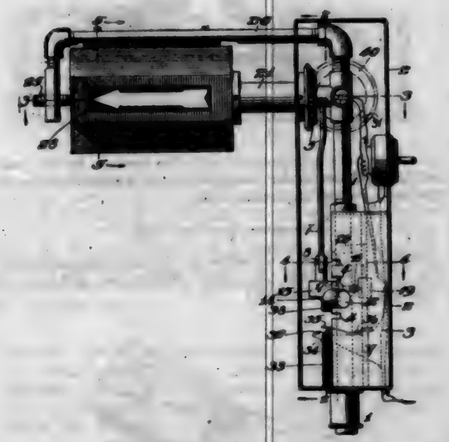
1. A composite panel comprising a base built up of a plurality of sections abutting each other edgewise and fastened together, some of such abutting sections having in each of the adjacent corners between an outer surface and the abutting edges, a substantially half section of a surface keying groove, whereby the assembling and fastening together of two abutting panel sections will form a complete surface keying groove, and a plastic coat applied on the surface of the panel and keyed within such surface keying grooves.

1,532,875. PUZZLE. JAMES BROWN, Pawtucket, R. I. Filed May 22, 1922, Serial No. 562,613. Renewed Feb. 12, 1925. 2 Claims. (Cl. 273—137.)



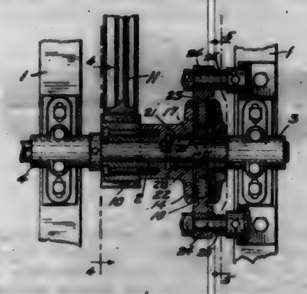
1. A puzzle comprising a plurality of units, each of identical configuration and having alternate convex and concave edge surfaces, each unit having a plurality of substantially triangular color configurations on the face thereof with a color configuration disposed adjacent each curved edge of the unit, the convex edge of one unit registering with the concave edge of another unit with similar color configurations adjacently positioned.

1,532,876. SIGNAL FOR AN AUTOMOBILE OR OTHER VEHICLE AND STREET AND ROAD PURPOSES. HARRY E. BROWNE and WALTER M. BROWNE, Plainfield, N. J. Filed July 23, 1923. Serial No. 653,086. 2 Claims. (Cl. 116—43.)



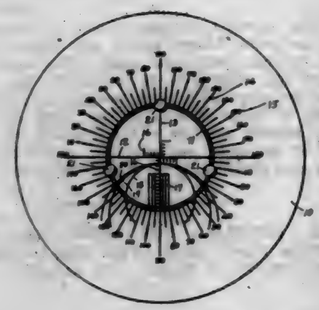
1. In a signal of the character stated, a horizontally mounted rotatable body, a series of signals on the periphery of said body, an inclosure for said body, stationarily supported thereover, said body having in its side an opening in register with either of said signals and through which a desired signal is displayed, a horizontal rotatable shaft carrying said body, a bevel gear wheel on said shaft, a second bevelled gear meshing with the first mentioned bevelled gear, a handle, and a connecting rod for said handle and last mentioned wheel whereby the body may receive rotary motion to an extent relatively to the signal that is to be displayed through said opening in said inclosure.

1,532,877. AUTOMATIC BRAKE FOR STRAIGHT-LIFT ELEVATORS. HERMAN JOSEPH BUCK, Ellwood City, Pa., assignor to Mathews Conveyer Company, Ellwood City, Pa., a Corporation of Pennsylvania. Filed Aug. 30, 1919. Serial No. 320,858. 3 Claims. (Cl. 192—18.)



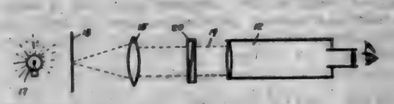
1. The combination, with a driving shaft, of a pinion loosely mounted thereon, gearing connected with and driven by said pinion, means connecting said shaft with said pinion for driving said pinion from said shaft, said means being arranged to permit the pinion to exceed the speed imparted to it by said shaft, a brake mechanism connected with said pinion, and means bringing said brake mechanism into operation when the speed of the pinion exceeds the speed normally imparted to it by said driving shaft, and to stop said pinion when the application of power to said driving shaft is interrupted or discontinued.

1,532,878. LENS PROTRACTOR. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed July 12, 1923. Serial No. 651,075. 3 Claims. (Cl. 88—56.)



1. A protractor for use in making bifocal lenses formed of transparent material, and chart lines and numerals placed thereon including curved lines adapted to register with the division line between the bifocal surfaces of bifocal lenses or lens blanks.

1,532,879. PRISM-MEASURING DEVICE IN PARALLEL SYSTEMS. LUCIAN W. BUGBEE, Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed July 23, 1923. Serial No. 653,369. 6 Claims. (Cl. 88—56.)



1. Apparatus for measuring the powers of lenses, including an axially adjustable target, means for supporting the lens to be tested, a telescope focused for infinity, and a prism measuring device in the parallel ray system between the telescope and lens when supported on said lens holder, whereby both the focal and prismatic powers of a lens may be measured.

1,532,880. MIRRORED LENS PROTRACTOR. LUCIAN W. BUGBEE, Jr., Indianapolis, Ind., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind., a Corporation. Filed June 7, 1924. Serial No. 718,499. 2 Claims. (Cl. 88—56.)



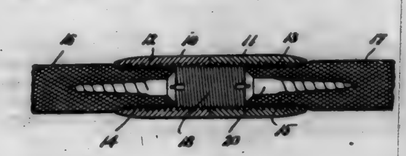
1. A protractor for optical purposes including a transparent plate, an inwardly reflecting coating on one surface thereof, and protractor markings on the other surface thereof.

1,532,881. BAKING AND COOKING UTENSIL. GAETANO CAPPI, San Francisco, Calif. Filed Aug. 16, 1924. Serial No. 732,440. 1 Claim. (Cl. 53—6.)



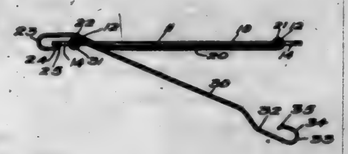
A baking utensil comprising a pair of comparatively shallow, perforated hinged pastry pans adapted to form a crust forming mold, said pans each bearing offset peripheral lips adapted to fit one within the other to serve as shearing edges when brought into closed relationship, to shear off, or trim, the outer edge of the contents, thereby forming a bend around the molded contents of the mold, and retaining means adapted to maintain said hinged pans in closed relationship.

1,532,882. COUPLING FOR ROPE. BENJAMIN H. CARPENTER, Boston, Mass. Filed May 22, 1924. Serial No. 715,058. 3 Claims. (Cl. 24—123.)



1. A coupling of the class described having internally threaded, separable body portions; ropes having their ends tightly bound and compressed by a material readily engageable by screw threads, and forced into said body portions; whereby the said ends are further compressed; means to still further compress said ends in said body portions and cause a closer engagement of said ends and said internal threads; and means to unite said body portions.

1,532,883. HAIR WAVER. CHARLES R. CARPENTER, Robbinsdale, Minn. Filed Feb. 25, 1924. Serial No. 695,047. 12 Claims. (Cl. 132—41.)



5. A hair waver embodying a frame, and a pair of resilient hair clamping and binding members pivotally mounted at opposite ends and extending longitudinally across opposite sides, respectively, of said frame, each of said members terminating in a portion offset outwardly from and formed to detachably engage the adjacent frame end.

1,532,884. VEHICLE BRAKE. CHARLES W. CHAPIN, Louisville, Ky. Filed July 3, 1924. Serial No. 724,120. 1 Claim. (Cl. 74—39.)

A brake operating device for an automobile including an angle bracket adapted to be mounted on the instrument board of the automobile and having longitudinally alined slots, a leaf spring carried by the bracket, and a notched rod slidable through the slots of the bracket



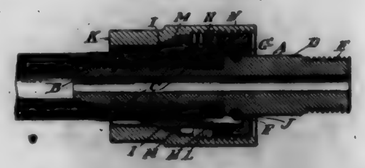
and urged into engagement with the bracket by the said spring, and means for connecting the slidable rod with the brake rod of the automobile.

1,532,885. HINGE. CHARLES N. CORTELL, Mamaroneck, N. Y. Filed Apr. 25, 1923. Serial No. 634,414. 3 Claims. (Cl. 16—128.)



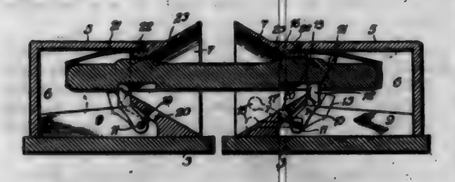
1. In a receptacle comprising a body member and a cover member, the combination of a hinge knuckle on one member, a pintle coaxial therewith extending beyond the knuckle at both ends, a curled edge on the other member designed to receive the ends of the pintle transversely during assembly and to be swung into interlocking position, the curled edge being provided with an open slot slightly longer than and designed to receive the knuckle, and means for locking the parts against disengagement when in assembling position.

1,532,886. HOSE COUPLING. IRVING COWLES, Chicago, Ill., Filed Feb. 4, 1921. Serial No. 442,565. 25 Claims. (Cl. 285—36.)



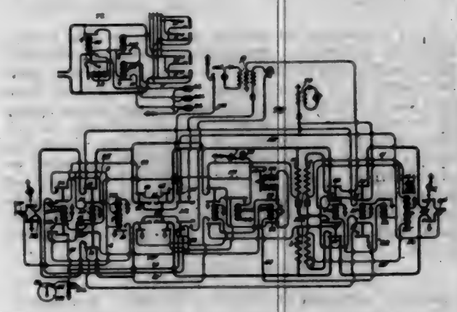
1. A hose-clamp or coupling including a member terminating at one end in a plurality of flexible fingers, the inner faces of the latter normally presenting a discontinuous substantially cylindrical surface, said member and fingers constituting a single, integral structure, said fingers having substantially inflexible free end portions constituting substantial portions of said fingers, and very flexible shank-portions to thereby permit the said free end portions to be moved a substantial distance bodily radially to engage hose of considerable different outer diameters while the inner faces of said fingers are maintained in position to present a substantially cylindrical surface common to all thereof.

1,532,887. MINING-CAR COUPLING. EDGAR A. CUNNINGHAM and HARRY HOMAD, Mallory, W. Va. Filed June 12, 1923. Serial No. 644,879. 2 Claims. (Cl. 213—176.)



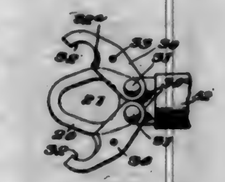
1. In a mining car coupling, a housing member having a flaring mouth, a weighted locking member pivotally mounted within said mouth and having an offset portion with square shoulder, a coupling bar with longitudinal recess in its under face with a shoulder, against which said flat shoulder engages, and a spring extended inwardly in said member and bearing on the inner end of the coupling bar.

1,532,888. TELEPHONE SYSTEM. HIRAM D. CURRIER and WILLIAM G. SHULL, Chicago, Ill., assignors to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 15, 1920. Serial No. 396,401. 23 Claims. (Cl. 179—43.)



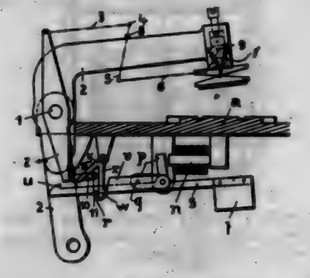
5. In a toll line system, a built-up toll line switched through at a switching station, means whereby disconnection at said switching station automatically builds up a different toll line therethrough and transmits signals to both ends of said different toll line.

1,532,889. TERMINAL CONNECTER. HARRY P. DAVIS, Hempstead, N. Y. Filed Oct. 19, 1921. Serial No. 508,781. 3 Claims. (Cl. 173—269.)



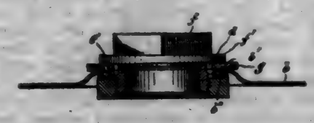
2. In a terminal connecter, an engaging plate having an opening therethrough, locking jaws pivotally mounted on said plate, each of said jaws formed with a recess in the abutting edge portion thereof opposite each other respectively, and in closed position of the jaws forming an opening registering with the opening in said plate, projections on said jaws adapted to extend into the plate opening and engage the sides thereof to lock said jaws in closed position, and adjacent edge portions of said jaw recesses inclined toward said engaging plate to form cam surfaces with the jaws in closed position.

1,532,890. ADDRESSING MACHINE. HERMANN DAUTACH, Berlin-Groszlichterfelde, Germany, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Filed Oct. 22, 1920. Serial No. 418,863. 8 Claims. (Cl. 101—57.)



1. In a device of the kind described in combination a machine bed, a carrier adapted to move towards and away from said bed, means for permanently keeping said carrier moving, a pad movably connected to said carrier, a printing plate adapted to travel along said bed underneath said carrier, electric means for influencing the position of said pad relatively to said carrier and means connected with said plate for causing said electric means to change the position of said pad relatively to said carrier.

1,532,891. METHOD OF PRODUCING AND ATTACHING CLOSURES FOR SHEET-METAL CONTAINERS. CHARLES T. DRAPER, Cleveland, Ohio, assignor to The Draper Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Original application filed Apr. 9, 1917, Serial No. 160,660. Patent No. 1,426,021, dated Nov. 21, 1922. Divided and this application filed Oct. 21, 1922. Serial No. 596,051. 3 Claims. (Cl. 29—148.2.)

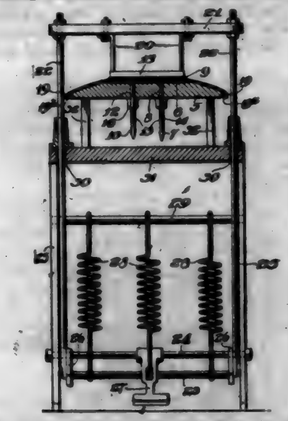


1. The herein described method for securing an anchorage member to a sheet metal structure, which consists in circularly piercing the sheet metal, flanging the edge of the circular opening thus produced, nesting a correspondingly flanged annular anchorage member with said flanged edge, one within the other, forcibly interlocking the flanged members substantially in parallel relation beneath an annular sheet metal seat, and meanwhile restraining one of said flanged members from retraction with respect to the other to insure their complete interlocking action.

1,532,892. APPARATUS FOR FORMING AND SHAPING HAT BRIMS. FRANK A. EARHART, Philadelphia, Pa. Filed June 8, 1922. Serial No. 566,677. 3 Claims. (Cl. 223—31.)

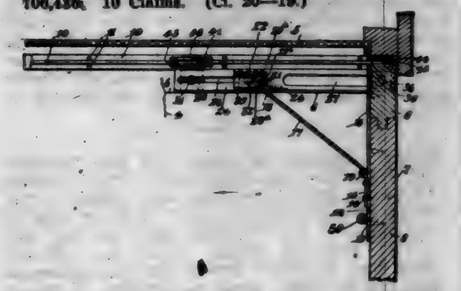
1. In an apparatus of the character stated, a heated die having pins secured to its outer periphery, holes

through said die and a plurality of plates having spurs depending therefrom and passing through the holes



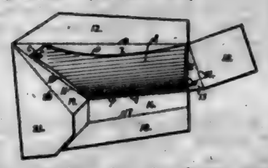
in said die, wedges passing through slots in said spurs, a plunger above said plates, and means including a foot treadle for actuating said plunger.

1,532,893. TRAVELING HINGE. JESSE C. EAST, Columbus, Ga. Filed Apr. 14, 1924. Serial No. 706,436. 10 Claims. (Cl. 20—19.)



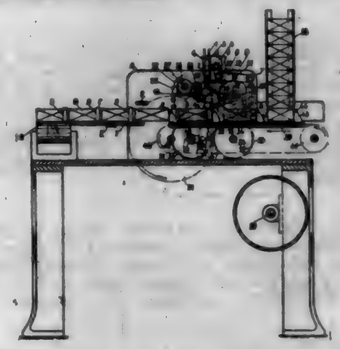
1. In a traveling hinge of the character described, a slotted roller supported element, a double hinge element comprising a central portion having a leaf pivoted to each end thereof, means carried by said supported element for connecting one of said leaves thereto, said other leaf being adapted for connection with a door, and guide means adapted to move in a slot of said element while in engagement with a door, to project said door at right angles to said slotted element when being moved to closed position.

1,532,894. SHIPPING CONTAINER FOR PLOWSHARES. AUGUST J. ECGMAN, Omaha, Nebr., assignor to Eggers-O'Flyng Company, Omaha, Nebr., a Corporation of Nebraska. Filed July 18, 1923. Serial No. 652,349. 1 Claim. (Cl. 206—46.)



A shipping container for plowshares, comprising an integral sheet of corrugated board having a trapeziform central portion, a trapeziform flap at one of the longitudinal edges of said central portion, a quadrangular wing at the opposite longitudinal edge of the central portion, a trapeziform flap at the outer edge of said wing, triangular wings at each end of said central portion, and flaps at the outer edges of said triangular wings.

1,532,895. MACHINE AFFIXING LABELS OR THE LIKE. GUSTAV FRITZ HALANK, Dresden, Germany, assignor to the Firm: Johann Carl Müller, Dresden, Germany. Filed July 3, 1924. Serial No. 723,978. 3 Claims. (Cl. 216—54.)



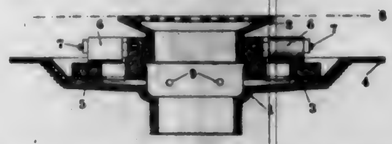
2. In a machine for affixing labels or the like to continuously fed articles, the combination with a vertically reciprocating pile of labels, of a pair of removable members adapted in initial position to receive a label from said pile and to form a continuous surface, means adapted to move over said surface to apply adhesive to the latter prior to the lowering of the label pile, means for moving said members apart after receiving a label, so as to withdraw the latter from the surface of one of said members, bringing it into contact with the article to be labelled, and means for subsequently removing the label from the other member and applying it to the article.

1,532,896. BULLETIN-DISPLAY FRAME. WILLIAM H. HALL, Cicero, Ill., assignor to American Hotel Register Company, Chicago, Ill. Filed June 6, 1924. Serial No. 718,407. 6 Claims. (Cl. 40—64.)



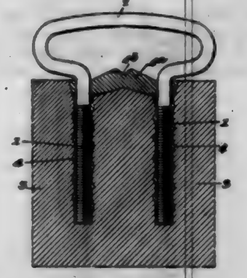
1. A display frame comprising a body having inturned lateral edges forming grooves, a bulletin card having its edges disposed in said grooves, a title card holder adapted to be inserted into the upper ends of said grooves and provided at its upper edge with a downturned flange adapted to form the upper exposed portion of the frame, and a title card carried by said holder above the exposed portion of the bulletin card, said holder being removable to permit change of the title card.

1,532,897. DRAIN. JOSEPH HIRSHSTEIN, Cleveland, Ohio. Filed July 10, 1922. Serial No. 574,005. 5 Claims. (Cl. 285—38.)



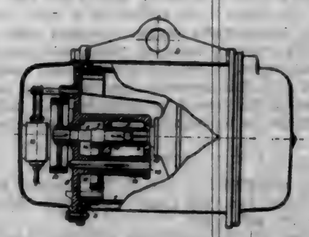
1. In a device of the class described, the combination of a drain, a sheet of water proof material, a clamping member for holding said material in engagement with the drain, and a pivoted member carried by the drain and bearing on the clamping member to hold it in clamping position.

1,532,898. BOX HANDLE. WALTER E. HOLLAND, Philadelphia, Pa., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 6, 1920. Serial No. 363,720. 13 Claims. (Cl. 10—125.)



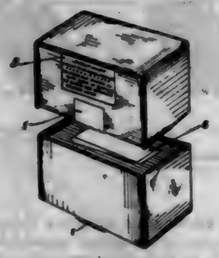
1. The combination of a box member having an undercut recess; a handle member extending therein; with a cast material in the recess bonded to the handle member.

1,532,899. TOOTHED GEARING FOR DRIVING THE DRUM OF PULLEY BLOCKS. FRIEDRICH HOLTSCHMIT, Duisburg, Germany. Filed Sept. 11, 1924. Serial No. 737,160. 1 Claim. (Cl. 74—7.)



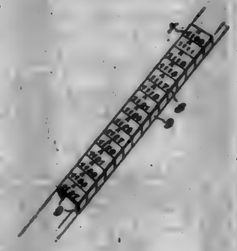
The combination with a casing and a drum rotatably mounted therein, said drum having an internal gear, of a removable end piece closing one end of the casing and having a shaft-supporting frame projecting into the interior of the drum, a drive shaft rotatably mounted in said frame at the axis of the drum, fixed gear shafts mounted in said end piece and frame and arranged about the drive shaft, said fixed shafts extending through the end piece and provided with oil holes external thereto, a pinion on the drive shaft, and a train of gearing on said fixed shafts connecting said pinion with said internal gear.

1,532,900. ADHESIVE BINDING STRIP FOR CLOSING AND RECLOSING PACKAGES. FRANK H. HOUGHLAND, Cincinnati, Ohio; Lillian Houghland, administratrix of said Frank H. Houghland, deceased, assignor to William F. Zent, Memphis, Tenn. Filed Nov. 7, 1921. Serial No. 513,523. 3 Claims. (Cl. 229—6.)



1. Means for closing and reclosing a package, comprising directions, a reclosing binding strip detachably connected to the directions and partly concealed within the package, a binding strip for closing said package and means for adhesively attaching said directions and binding strip to the package, substantially as set forth and for the purposes specified.

1,532,901. IDENTIFICATION OR LAUNDRY TAG. WILLIAM J. HUMPHREY, Cleveland, Ohio. Filed Oct. 24, 1923. Serial No. 670,504. 3 Claims. (Cl. 283—18.)

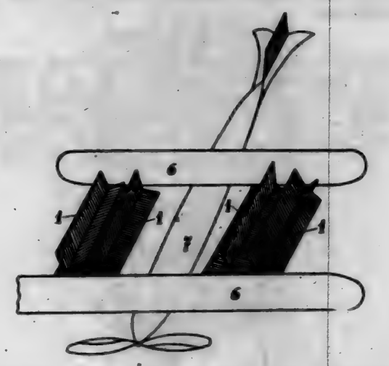


1. Means for identifying and designating the number of articles of clothing or the like to be packaged together, said means comprising sets of tags arranged in strips, similar serial numbers and characters on each tag of a set, and different serial numbers and characters on each set, the last numeral of the serial number and the character being the key to designate the articles.

1,532,902. AEROPLANE. JEAN BAPTISTE IMMERS, Brussels, Belgium. Filed Dec. 27, 1924. Serial No. 758,447. 3 Claims. (Cl. 244—13.)

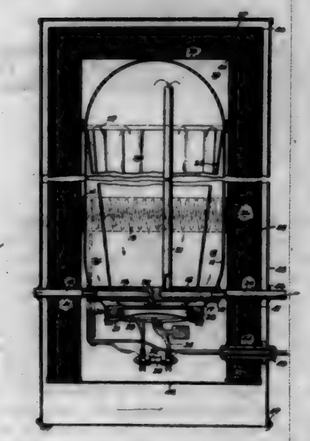
1. In an aeroplane, the combination with a fuselage, an aeroplane engine, and wings extending substantially transversely in relation to the longitudinal axis of the fuselage, of a pair of mutually interengaging rotary sustaining elements each consisting of a plurality of longitudinal plane surfaces arranged radially at equal angular intervals in cross-section and mounted on a rotary shaft, the two shafts lying in the same horizontal plane and ex-

tending substantially parallel to the longitudinal axis of the fuselage and symmetrically on either side respectively of the vertical plane of the said longitudinal axis;



and of means, forming an operative connection between the said shafts and the aeroplane engine, for rotating the said two shafts in opposed directions; substantially as described.

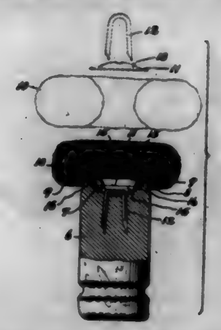
1,532,903. WATER HEATER. ARTHUR J. KRECHER, Berkeley, Calif. Filed Apr. 10, 1923. Serial No. 631,067. 21 Claims. (Cl. 219—39.)



1. In a liquid heater, a metallic tank, means for supplying heat to the tank, and means for providing a circulatory path for the liquid in the tank.

1,532,904. SCOURING IMPLEMENT. RUSSELL B. KINGMAN, Orange, N. J., assignor to The Chore-Utensile Corporation of America, West Orange, N. J., a Corporation of New Jersey. Filed May 14, 1924. Serial No. 713,182. 2 Claims. (Cl. 15—200.)

1. A scouring implement, comprising an annular spongiform abrading element, a handle member having at one end a socket, and means for attaching the former to the latter consisting of a keeper plate having its central portion seated in said handle socket, the marginal peripheral portions of said keeper plate being engaged over the inner circumferential portions of said abrading element to clamp the same against the marginal portions



of said handle socket, and a fastener extending through said central portion of said keeper plate into the body of said handle member.

1,532,905. THERMOSTATIC URINAL AUTOMATIC FLUSHING APPARATUS. JAMES J. LAWLER, Mount Vernon, N. Y. Filed July 24, 1924. Serial No. 728,006. 11 Claims. (Cl. 4—100.)



1. In an automatic flushing apparatus, the combination with the object to be flushed, of a waste outlet for said object, a flush water supply, a control valve for said supply, fluid pressure operated means for opening and closing said valve, a relief valve in said waste outlet for varying said fluid pressure to operate said valve controlling means, and means for operating said relief valve upon a change in temperature within the waste outlet.

1,532,906. CALENDAR. ISAAC LEIBOWITZ, Brooklyn, N. Y. Filed Jan. 22, 1924. Serial No. 687,678. 1 Claim. (Cl. 40—113.)

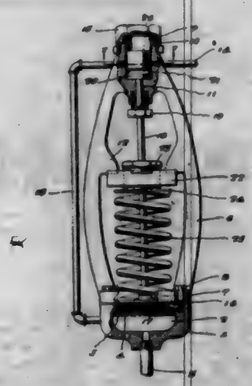
A calendar device, comprising a holder member provided in its upper end with a downwardly extending pocket terminating at its lower end in a receiving slot contiguous to the rear wall of said pocket, a removable back-plate within said pocket having its lower end engaged in said receiving slot, a rotatable member mounted on said back-plate, a pad of monthly calendar leaves

fixed to said rotatable member having radially arranged date bearing panels, said rotatable member having radial fingers projecting from its periphery in correspondence with said date bearing panels of said calendar leaves, and



said holder member having in its front wall an opening to display a date bearing panel registered therewith and in its front and rear walls indented notches to give access to a finger for actuating said rotatable member and calendar pad.

1,532,907. FLUID-PRESSURE REGULATOR. WILLIAM LONG, Parma, Idaho, assignor of one-half to Evan G. Johnson, Parma, Idaho. Filed Mar. 2, 1923. Serial No. 622,824. 2 Claims. (Cl. 137—53.)

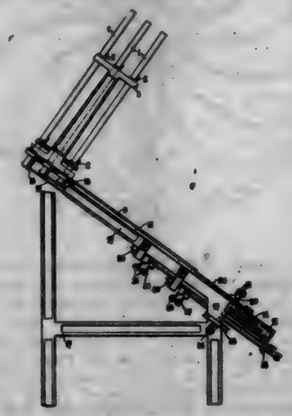


1. A fluid pressure regulator comprising, with a base having a fluid chamber therein open at one side, a yoke secured on the open side of the base and provided with a piston valve cylinder, a diaphragm secured over the opening of the fluid chamber, a pipe leading to said fluid chamber from the fluid container to be regulated, a pipe leading from the fluid chamber and opening laterally into the valve cylinder, a discharge pipe leading from the valve cylinder at a point substantially diametrically opposite said first opening, a head bearing on the diaphragm, a stem connected with said head with its remaining end slidably received within the valve cylinder, a piston valve carried by said stem within the valve chamber and provided with a peripheral groove, a ring fitted around said stem and held in fixed position by the yoke, an adjusting nut carried by said ring around the stem, and a spring bearing between the adjusting nut and the head connected with said stem.

1,532,908. PLASTIC COMPOSITION FOR ARTICLES OF MANUFACTURE. WILLIAM S. LOWE, Haverhill, Mass. Filed Oct. 27, 1922. Serial No. 597,311. 1 Claim. (Cl. 106—30.)

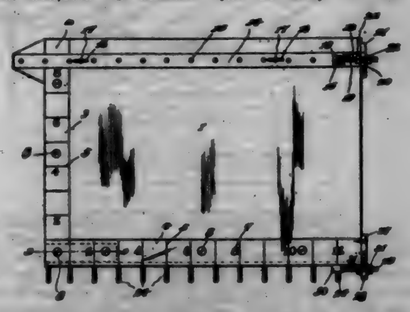
A plastic composition comprising filaments of undried oak wood, said filaments not exceeding five thousandths of an inch in thickness and eight inches in length and saturated with sodium silicate.

1,532,909. MACHINE FOR COMPOSING AND JUSTIFYING LINES OF PRINTING TYPES. ALFRED LUBAC, Paris, France. Filed Mar. 29, 1923. Serial No. 628,503. 4 Claims. (Cl. 276—20.)



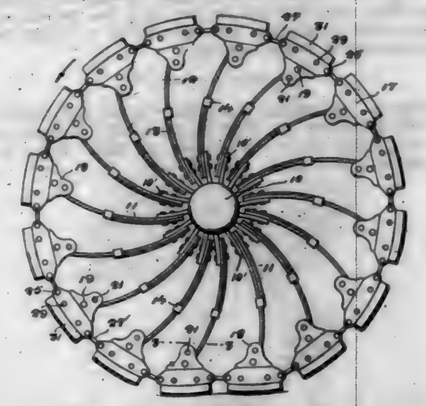
1. In a machine for composing and justifying the lines of the printing types, several ranges of channels with convex bottoms, a supporting heel in their lower part, a sole in the same for supporting the types when the channels are not in position, and a wing in the same, for impeding the types from falling back during ejection, and means to arrange the channels perpendicularly to a single inclined plane serving as slide.

1,532,910. GLASS-CUTTING TABLE. LAURENCE V. MCCANN, Jeannette, Pa. Filed Mar. 13, 1924. Serial No. 698,974. 3 Claims. (Cl. 33—30.)



3. In a glass-cutting table, the combination with a table body, of a pin bar slidably mounted on the body, a bearing plate secured to an end edge of the body and having a slotted portion projecting beyond said edge, an eye bolt having its shank extended through the slotted portion of the bearing plate and its eye engaged over the pin at the adjacent end of the pin bar, and securing nuts mounted upon the shank of the eye bolt and adapted to be turned home against the opposite sides of the bearing plates.

1,532,911. SPRING WHEEL. EUGENE K. MCLAIN, Webster City, Iowa. Filed May 14, 1920. Serial No. 381,376. 2 Claims. (Cl. 152—30.)



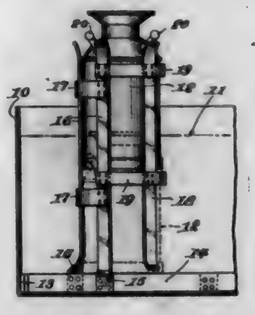
1. In a vehicle wheel, a hub having arched spring spokes radiating therefrom and all of said spokes being arched in the same direction, a rim made up of spaced members each carrying a compressible shoe and each having a loose connection with each other, means pivotally connecting the spokes to the respective rim section, means in the path of engagement with the spokes, designed to be contacted by each spoke in the expansion thereof when the same is brought out of ground contacting engagement to tilt the rim section pivoted to the spoke to cause the same to exert a kicking action against the ground surface.

1,532,912. COLLAPSIBLE GRATE. EARL MCMAHAN, Portland, Oreg., assignor of one-half to Albert L. Hagar, Council, Idaho. Filed Sept. 3, 1924. Serial No. 735,649. 1 Claim. (Cl. 126—30.)



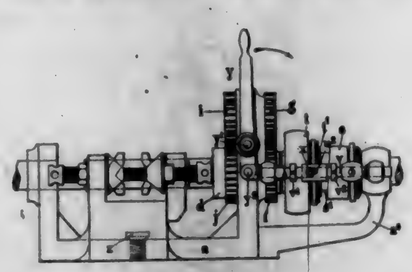
In a collapsible grate of the character described, a frame comprising spaced parallel members, each including pivoted sections adapted to be arranged in end to end relation for use, and capable of being folded one beneath the other when not in use, each member having a plurality of spaced openings, inverted substantially U-shaped cross bars connecting said members and having their parallel extremities received by the corresponding openings in said member and adapted to be removed to permit the frame to be folded, legs supporting the frame adjacent the corners thereof, and adapted to be separated therefrom when not in use, each leg being adapted to be received by one of the openings in the adjacent member of the frame, and a flattened portion arranged adjacent the upper end of each leg to provide opposed bulged portions upon which the frame reposes.

1,532,913. CAN HOLDER. ALFRED MAJOR, Holland, N. Y. Filed Aug. 20, 1924. Serial No. 733,209. 8 Claims. (Cl. 31—4.)



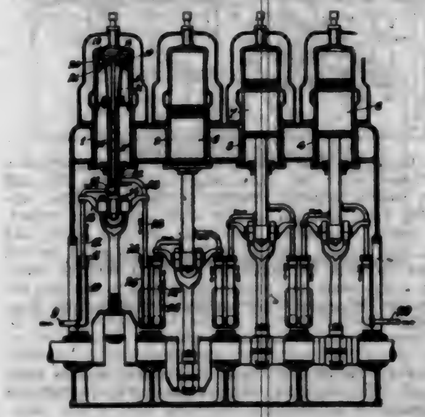
1. The combination with a cooling tank for milk cans of a can holder supported on the bottom of said tank and designed to maintain an empty can in an upright position as it rises to the top of the tank, and also allow said can to gravitate as it is filled.

1,532,914. APPARATUS FOR BORING THE CONNECTING RODS AND BEARINGS OF INTERNAL-COMBUSTION ENGINES. MARIUS KLEBER MAKAREWICZ, Courbevoie-Seine, France. Filed Dec. 6, 1922. Serial No. 605,220. 1 Claim. (Cl. 77—2.)



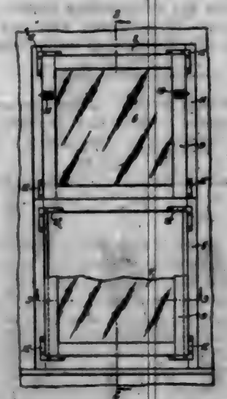
An apparatus of the character specified, comprising a platform, means for fixing the work thereon, a head perpendicularly and rigidly mounted on said platform, bearings carried by said head, a sectional nut supported by one of said bearings, a tool holding shaft mounted in said bearings, said shaft having a threaded part engageable in said nut and supported by one of the bearings, a loose pulley mounted on said shaft, means for communicating a rotating movement to said shaft, means for transmitting rotary movement to said nut and in the same direction as said shaft, and at a lower speed, whereby to create a differential movement and giving to said shaft reduced displacing movement, means for putting the nut into and out of gear with the loose pulley, said means comprising a fork adapted to engage the nut, and a second fork adapted to engage the loose pulley, a shaft carrying said forks, the first named fork being fixed on to said shaft, the second fork loosely mounted on the said shaft between a pair of stops fixed thereon and provided with a pair of notches, whereby the second named fork and the pulley may be put out of gear, and a hand lever pivotally mounted on said platform and articulated at its lower end to the end of the last named shaft whereby to operate the said forks.

1,532,915. INTERNAL-COMBUSTION-ENGINE PISTON. OLIVER MARGETSON and WALTER PERCY WIDDOWSON, London, England. Filed Aug. 23, 1921. Serial No. 494,568. 5 Claims. (Cl. 123—176.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



5. A multiple cylinder internal combustion engine comprising in combination a steam circulating system of pipes, piston passages, pipe connections having relatively movable parts, and heat interchangers, the pipe connections connecting the passages in the pistons in series during the running of the engine and when it is at rest, and the heat interchangers arranged in the system of piping between the pistons.

1,532,916. WINDOW CONSTRUCTION. ARCH LAWRENCE MASON, Meadville, Pa. Filed Dec. 4, 1923. Serial No. 678,540. 1 Claim. (Cl. 20—56.1.)



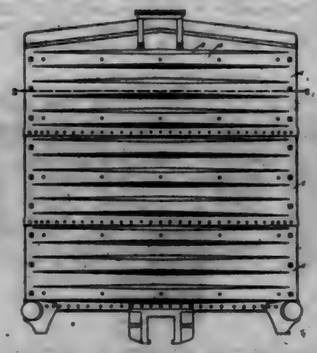
In a window construction, a sash including inner and outer sections arranged one within the other, the vertical rails of the outer section having flanges and corresponding rails of the inner section having grooves for receiving said flanges to limit the outward movement of the inner section, and the top and bottom rails of one section having beveled unobstructed edges engageable with correspondingly formed edges of the top and bottom rails of the other section, and latching means carried by the inner section and engageable with the outer section to retain said sections in closing position.

1,532,917. ROTARY UNDERREAMER. WILLIAM MERRIMITH, Huntington Beach, Calif., assignor of one-third to V. W. Bailey, Pasadena, Calif., and one-third to W. H. Taylor, South Pasadena, Calif. Filed Apr. 14, 1924. Serial No. 706,342. 6 Claims. (Cl. 255—75.)



1. In a device of the character described, the combination of a body adapted to be secured to a rotatable stem, carriages mounted upon the sides of said body so as to be moved laterally with respect to the axis thereof, cutters mounted on said carriages, a control member rotatably secured to said body, and linkage connecting said carriages and said member whereby rotation of the latter will move said carriages.

1,532,918. SHEET-METAL CAR-END CONSTRUCTION. LANGDON MOORE, Chicago, Ill., assignor to Walter P. Murphy, Chicago, Ill. Filed Oct. 1, 1920, Serial No. 568,582. Renewed June 15, 1922. 16 Claims. (Cl. 105—410.)



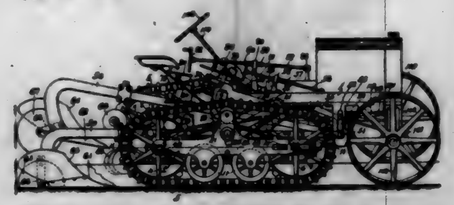
1. A metal panel for car ends having a plurality of corrugations therein formed with side walls and connecting portions, said connecting portions increasing constantly in width from center to ends and merging into each other at their ends.

1,532,919. BAND BRAKE ACTING IN BOTH DIRECTIONS OF ROTATION. MAXIMILIAN MÜLLER, Tempelhof, near Berlin, Germany. Filed Apr. 4, 1922. Serial No. 549,585. 9 Claims. (Cl. 188—140.)



1. In a brake mechanism comprising a brake drum; a band associated with said drum; band stops on said band; stationary stops adapted for association with said band stops; and a roller intermediate said stationary stops and connected to said band.

1,532,920. TRACTOR. SWENEY MUNSON, Fowler, Colo. Filed June 27, 1919. Serial No. 307,202. 3 Claims. (Cl. 97—50.)



1. In a tractor, two crawlers, two plows, headed in the same direction a main frame, and means for simultaneously vertically adjusting one crawler and one plow independently of the other crawler and plow and independently of the traveling movement of the crawlers.

1,532,921. PROCESS FOR DYEING WITH DYESTUFFS OR DYESTUFF-PRODUCING BODIES INSOLUBLE OR SPARINGLY SOLUBLE IN WATER. FERDINAND MÜNZ, Fechenheim-on-the-Main, Germany, assignor to Leopold Cassella & Co., Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Sept. 8, 1924. Serial No. 735,690. 1 Claim. (Cl. 8—5.)

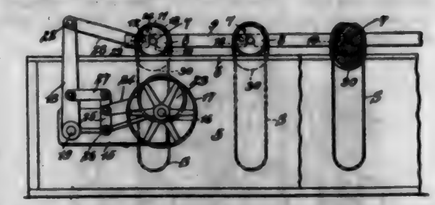
A process of dyeing with dyestuffs and dyestuff-producing bodies insoluble or sparingly soluble in water, by applying them together with organic solvents not miscible with water and soaps in an aqueous bath.

1,532,922. END WALL STRUCTURE FOR RAILWAY CARS. WALTER P. MURPHY, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 30, 1922. Serial No. 609,868. 3 Claims. (Cl. 105—410.)



1. In a metallic wall for railway cars comprising a flat attaching member serrated at one edge having the portions between the serrations bent to form connecting flanges, a metal panel having corrugations formed therein extending to opposite edges of said panel, the serrations of said attaching member fitting into said corrugations, and said flanges secured to said panel.

1,532,923. DYEING MACHINE. MATILDA NAGLE, Brooklyn, N. Y. Filed Dec. 18, 1923. Serial No. 681,316. 3 Claims. (Cl. 8—19.)



3. In combination with a dye vat, a shaft transversely positioned above the bath, supporting wheels for said shaft, loosely mounted thereon, an elongated skein supporting drum mounted on said shaft, means for imparting bodily longitudinal movement to said shaft and drum, and means operated by the wheels when moving in one direction for imparting an axial rotative movement to the shaft and drum with respect to the dye vat to spread or separate the parallel strands of the skein thereon.

1,532,924. MOLD. WILLIAM E. NELSON, Kansas City, Mo. Filed Oct. 20, 1924. Serial No. 744,803. 8 Claims. (Cl. 25—121.)



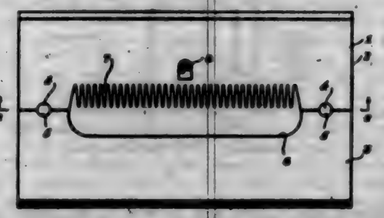
1. A mold comprising a platform, a removable rail at one edge thereof, a vertically disposed arm spaced outwardly from said rail and edge, means pivotally connecting the lower end of said arm with the platform, a thrust device carried by the upper end of said arm for forcing the aforesaid rail inwardly, and releasable means connecting the intermediate portion of said arm with the platform to hold the arm against outward swinging under the influence of said thrust device.

1,532,925. DUPLICATOR. JOHN EDWARD NORMAN, Leicester, England. Filed May 10, 1923. Serial No. 637,951. 2 Claims. (Cl. 101—131.)



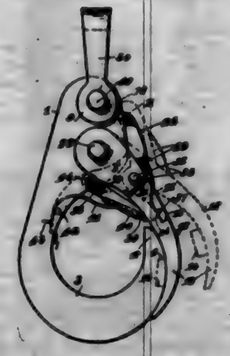
1. In a duplicator of the type wherein a plurality of components or elements of the kind herein referred to require to be held together, locking and releasing means for said components comprising a clamp member extending across the components, and arranged in bearings at its opposite ends so that it can be rotated and operate with an eccentric movement upon the components, said clamp member being provided with journal pins of different lengths at its opposite ends for permitting its insertion and removal into and from its bearings.

1,532,926. PUNCHING DIE. HUBERT NOTEBOOM, Philadelphia, Pa. Filed Apr. 12, 1924. Serial No. 706,197. 1 Claim. (Cl. 64—20.)



A comb forming punch comprising a carrying body, a comb-shaped cutter carried thereby having a plurality of comb tooth forming teeth thereon, which gradually increase in thickness from their free edges to the main body of the cutter and are of the uniform thickness at their free edge for a predetermined longitudinal distance after which they gradually increase in thickness towards said carrying body.

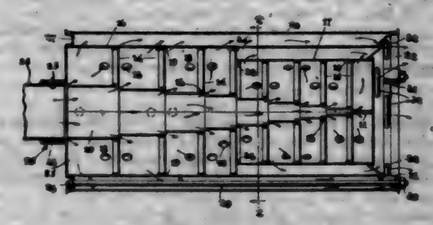
1,532,927. SAFETY HOOK. THEOPOLIS NOWLAND, Newport, R. I. Filed June 16, 1924. Serial No. 720,314. 7 Claims. (Cl. 24—241.)



1. A safety hook comprising a shank having a hook element extended therefrom, a retaining element pivotally connected to the shank and overlapping and engaging in the outer edge of the hook element to close the same, a spring controlled locking member pivotally connected at one end to and projecting from the outer edge of said retaining element, said locking member engaging in one side edge of said shank for locking the retaining element in closed position, and a spring controlled shifting member pivotally connected to the shank and bearing against said retaining element for automatically shifting it to open position when the locking member is released and further exerting a holding pressure on the locking member when the latter engages in the shank.

1,532,928. MUFFLER. MICHAEL JOSEPH O'CONNOR, Bloomingdale, N. J. Filed July 17, 1923. Serial No. 652,133. 21 Claims. (Cl. 137—160.)

1. In a muffler for explosive engines, an annular outer chamber, a conical tube concentric therewith said tube having stepped integrally formed cylindrical portions, separate secondary chambers between the tube and the outer chamber, and passages connecting the secondary chamber respectively to the outer chamber and to one of the steps of the conical tube, substantially as set forth.

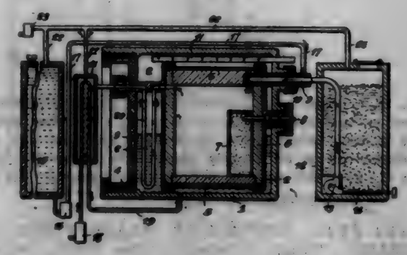


1,532,929. METHOD OF AND APPARATUS FOR CAPPING DETONATORS. JOHN M. OLIN, HENRY H. WOOD, and JOHN B. SMITH, East Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Dec. 30, 1922. Serial No. 609,953. 13 Claims. (Cl. 86—20.)



9. In a machine for sealing detonators, the combination with a carrier having holders for the shells, of sealing compound supplying means adapted for cooperation with said carrier and the shells thereon, said carrier having a table for supporting said connections, and a gage on said table adapted to position the terminals within the shells, in order to cause the compound to form plugs within the shells and over said connections.

1,532,930. METHOD AND MEANS OF PRODUCING HEAT. JOHN HUGH O'NEILL, Springfield, Mo. Filed Dec. 5, 1919. Serial No. 342,884. 4 Claims. (Cl. 110—1.)

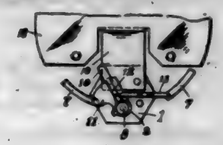


3. The method of producing heat for power purposes which consists in initially igniting a charge sufficient to raise the temperature of a combustion chamber to a point sufficient to dissociate a liquid comburent, then feeding a regulated quantity of liquid comburent from one source and a regulated quantity of metallic fuel from another source to said combustion chamber to sustain a continuous combustion.

1,532,931. PROCESS FOR THE DIRECT COOLING OF GOODS. ANTON JENSENIUS ANDREAS OTTESEN, Copenhagen, Denmark. Filed Dec. 27, 1920. Serial No. 433,408. 5 Claims. (Cl. 99—14.)

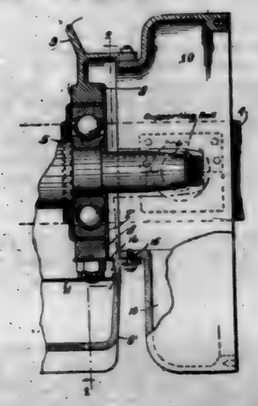
1. A process for refrigerating or freezing goods which comprises subjecting the goods to the direct action of a liquid comprising cool brine and glycerine.

1,532,932. PRESSURE GAUGE. JOHN R. PADESKY, La Crosse, Wis., assignor to National Gauge & Equipment Company, La Crosse, Wis. Filed Feb. 26, 1924. Serial No. 695,812. 1 Claim. (Cl. 73—109.)



In a pressure gauge, a graduated dial, a pivoted unitary yoke device comprising a crank arm and pointer, the crank arm being located above the pivoted end of the pointer, said crank arm having a slot extending in line with the pointer, a Bourdon tube and a metallic member having one end thereof rigidly connected with said tube and the other end thereof provided with a hook engaged in said slot, said member being also provided with a return bend intermediate its length, said member being of bendable material, for the purpose specified.

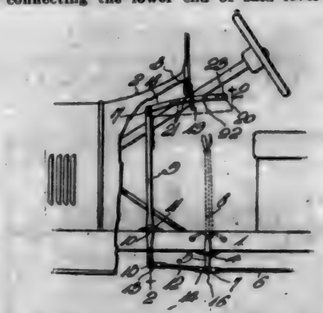
1,532,933. PACKING FOR ENGINE CRANK CASES. VICTOR W. PAGE, New York, N. Y. Filed Aug. 16, 1921. Serial No. 492,700. 4 Claims. (Cl. 121—194.)



1. In a crank case construction having a removable lower portion and a bearing support, a packing strip, said packing strip being secured to said support so positioned as to frictionally engage the removable portion of the crank case, as and for the purpose set forth.

1,532,934. AUTOMOBILE BRAKE-OPERATING MEANS. PHILIP PALMGREN, Yates Center, Kans., assignor to J. C. Culver, Yates Center, Kans. Filed Oct. 27, 1924. Serial No. 746,180. 3 Claims. (Cl. 74—89.)

1. In combination with an automobile having a transverse brake-controlling shaft under the front floor boards, said shaft having a downwardly projecting arm; a vertically disposed lever spaced forwardly from the left-hand end of said shaft and disposed sufficiently in advance of the driver's seat to prevent obstruction of the doorway at the left-hand end of said seat, fulcrum means for said lever mounted on the frame of the machine, means connecting the lower end of said lever with the



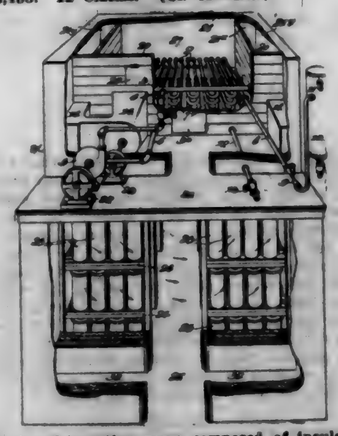
aforesaid arm, a hand-grip in rear of the upper end of said lever and operatively connected with the latter, and means for holding the lever in different positions.

1,532,935. DEVICE FOR ELECTRICALLY ILLUMINATING CARD CABINETS. JOHN SHELTON PATTON, University, Va. Filed Oct. 4, 1923. Serial No. 666,553. 3 Claims. (Cl. 240—4.)



1. The combination with a card index cabinet and with a drawer thereof, of an electric lamp supported in said drawer at the front portion thereof, said drawer having an opening in the bottom, and means to close or break the lamp circuit by the movements of said drawer respectively to the outer and inner positions.

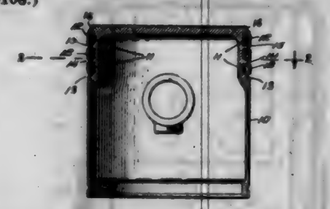
1,532,936. ICE-CREAM-HARDENING ROOM. JACOB G. PECK, Portland, Oreg. Filed Nov. 7, 1924. Serial No. 748,453. 12 Claims. (Cl. 62—102.)



11. A refrigerating room composed of insulated floor, walls and ceiling with a similar insulated vestibule in communication with the lower part of said room, a horizontal partition baffle dividing said room into an upper and lower chamber and having a brine pan opening, skeleton shelving within the lower chamber to

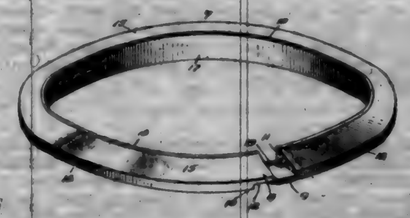
receive the containers of material to be chilled, a brine pan held in said opening and above said shelving, vertical transverse and longitudinal baffle walls in the upper chamber at the front and side of said pan, refrigerating coils in said upper chamber and located over said pan, portions of certain of said coils extending into the pan to chill the contents thereof, means to circulate a refrigerant through said coils, and means for drawing air from said lower chamber at one side into said upper chamber and delivering it to the coils at one corner, causing it to pass over and around the coils to the diagonally opposite corner and then delivering the air back in to the lower chamber at the side opposite to which it left the lower chamber, defrosting ducts located over the coils, a pump to pump the brine from the tank to the defrosting ducts for defrosting purposes, said vertical transverse baffle partitions dividing said upper chamber into a front and back compartment, a header and control valves for said defrosting ducts located in the back compartment adjacent to said partition, said vertical transverse partition having a door to give access to said valves, the front wall of the room also having a door to permit entry into said front compartment, a vestibule at the front of the room with an entrance door from the outside, said room having a door communicating with the vestibule, said vestibule being of a height approximating that of the lower chamber, the roof of said vestibule constituting a support for the defrosting pump and a motor for operating the same.

1,532,937. PISTON FOR INTERNAL-COMBUSTION MOTORS. DOCK J. PEELER, Nashville, Tenn. Filed June 3, 1922. Serial No. 565,697. 1 Claim. (Cl. 74—108.)



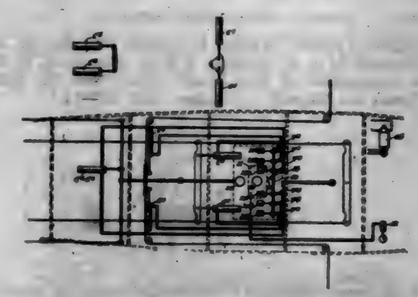
A piston including a cylindrical body having spaced encompassing channels with the side walls of the lands between the channels uniformly reduced in curved lines toward the outer faces thereof, and a packing ring engaging in each of the channels, the packing rings being rectangular transversely with the side faces in parallel relation, the spaces between the rings and lands uniformly increasing in area outwardly, to receive the lubricant and prevent it from being carried past the rings at both the upward and downward stroke of the piston or from pumping air past the piston.

1,532,938. PISTON RING. DOCK J. PEELER, Nashville, Tenn. Filed Feb. 10, 1923. Serial No. 618,273. 1 Claim. (Cl. 74—109.)



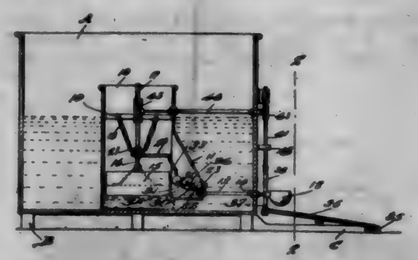
A piston ring comprising a compressible split body portion having its forward and rear faces each bevelled to provide a plane surface at the outer edge of said body of less width than the inner edge thereof and further to provide a plane surface at the inner portion of each of said faces, the bevel on said forward face being of materially greater width than the bevel on said rear face whereby the plane surface on the rear face will be of greater width than the plane surface on said forward face, the plane surface on the forward face being of less than half the width of the bevelled surface of said face, the plane surface on the rear face being of the same width as the width of the bevelled surface on said face, the bevel on the rear face extending at a greater angle than the bevel on the forward face, the plane surface on the outer edge of said body portion being substantially half the width of the inner edge of said body, and the split terminal portions of said body overlapping each other and formed with oppositely disposed shoulders of triangular contour and oppositely disposed circumferentially extending opposed flat edges.

1,532,939. STABILIZER. GUSTAVE A. PEELS, Jr., Lynchburg, Va. Filed June 23, 1922. Serial No. 570,967. 13 Claims. (Cl. 244—29.)



1. In an airplane stabilizer, a gyroscope, a contact element carried by the shaft of said gyroscope, a plurality of contact plates adapted to engage with the contact element of said gyroscope and movable in any direction with respect to said element, a source of current connected with each of said plates and with said contact element, and a plurality of separate means, one in circuit with each of said plates for altering the position of said plates.

1,532,940. HOG WATERER. CLARENCE NOMER PETERSON, Polk, Nebr. Filed Oct. 29, 1924. Serial No. 746,592. 5 Claims. (Cl. 119—76.)



1. In a device of the character described, a receptacle provided at one side with an auxiliary chamber having its bottom at a higher level than the bottom of the receptacle itself, an outlet pipe leading from said chamber and carrying a trough, a normally elevated float located within the receptacle, and treadle actuated means operatively connected with said float for moving the same downwardly and forcing the water therebelow into said chamber.

1,532,941. CADDY BAG. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Oct. 26, 1923. Serial No. 671,017. 1 Claim. (Cl. 150—1.5.)



A golf bag comprising a substantially cylindrical member, an opening in the side of said member, closed by a flap cut from and integral with said member, the line of cutting defining said flap the uncut portion constituting a hinge, and a backing within the cylindrical member attached to said member and around said opening, whereby an inner pocket is formed.

1,532,942. SHOE. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Nov. 22, 1924. Serial No. 751,627. 7 Claims. (Cl. 36—14.)



5. A shoe comprising a filler sole, a sole of greater area secured thereto having a projecting margin, an upper and an insole secured together and to the filler sole, a foxing stitched to said margin at the edge of the filler sole, and an outsole secured to the bottom of the sole of greater width, the foxing being secured to the upper and the said sole margin being secured to the edge of the outsole.

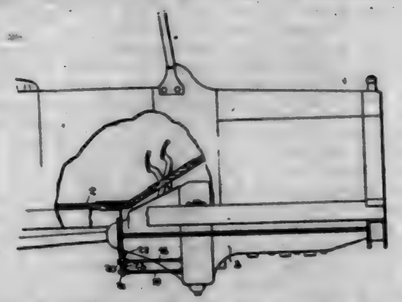
1,532,943. CHALKLESS BILLIARD-CUE TIP. JOSEPH S. PIGA, Owendale, Mich. Filed June 14, 1924. Serial No. 719,984. 4 Claims. (Cl. 273—70.)



4. A billiard cue tip consisting of cork having a texture altered by the action of an acid.

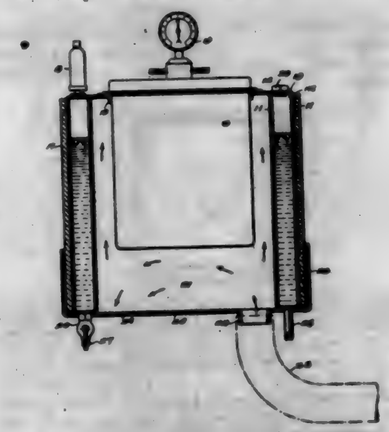
1,532,944. OIL-LEVEL-INSPECTION ATTACHMENT. HAROLD R. PUFFER, Jefferson, Iowa. Filed June 16, 1924. Serial No. 720,279. 8 Claims. (Cl. 137—139.)

1. An oil level inspection attachment for motor vehicles comprising a frame adapted to be secured to and extend through the floor board of a motor vehicle and provided with a closure plate therefor, and shiftable



means pivotally connected to and depending from the inner face at one end of said frame for opening and closing the oil cocks.

1,532,945. PRESSURE-COOKER ATTACHMENT. HARRY QUIGLE, Hastings, Nebr., assignor to Mrs. Lucy Quigle, Whittier, Calif. Filed Aug. 8, 1923. Serial No. 656,097. 2 Claims. (Cl. 126—20.)

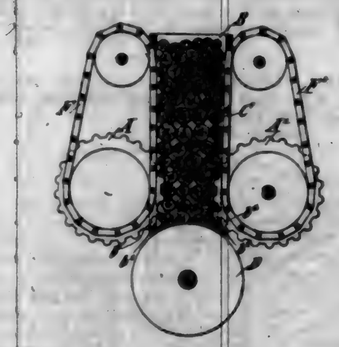


1. As a new article of manufacture, a receptacle, a pressure cooker removably suspended in said receptacle, said receptacle having an inlet adapted to be connected with an exhaust to receive products of combustion and having an outlet for said products, said receptacle having double walls forming a water chamber, said chamber being separated laterally from the cooker to form a steam or hot air space therebetween so that the steam or air heats both the cooker and the water chamber, together with an inlet for said water space adapted to be connected with an air pump for placing the water under pressure and with a valve controlled outlet adapted to receive a hose.

1,532,946. APPARATUS FOR FEEDING CONTINUOUS-WORKING WOOD GRINDERS and METHOD THEREOF. WILHELM RABUS, Heidenheim-on-the-Brens, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1924. Serial No. 720,422. 11 Claims. (Cl. 83—75.)

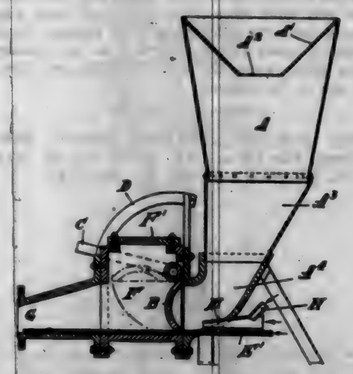
1. An apparatus for feeding continuous working wood-grinders, comprising a magazine or hopper, rotary means

having spaced projections entering laterally into and between the sides of separate portions of the charge of the magazine in the proximity of the grindstone, for



constricting the charge by pressing the same laterally inwardly and simultaneously downwardly against the grindstone.

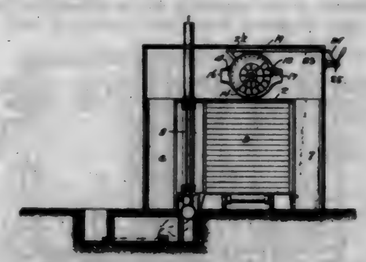
1,532,947. MIXING AND DISCHARGING CONCRETE. ERNEST LESLIE RANSOME, Plainfield, N. J. Filed July 18, 1916. Serial No. 109,909. 3 Claims. (Cl. 83—73.)



1. An apparatus for mixing concrete and the like comprising a vessel of greater depth than width, provided with an opening at the top, a compressed air nozzle at the bottom thereof having a fluid discharge opening of smaller area than the opening at the top of the vessel, and a valve at the lower part of the vessel for the discharge of its contents, said valve having a concave surface opposite the nozzle disposed in a substantially vertical plane.

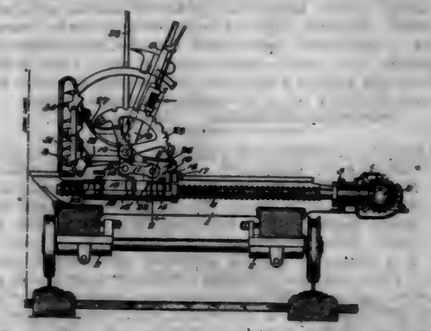
1,532,948. DRYING APPARATUS. CLAUDE REES and CHARLES F. HINE, San Francisco, Calif. Filed Oct. 9, 1922. Serial No. 593,891. 2 Claims. (Cl. 34—19.)

1. In a drying apparatus a house, a drying chamber in said house, a driving shaft extending longitudinally in the house, a plurality of spaced blowers on the shaft for circulating the drying medium through the drying chamber, a blower on the shaft disposed adjacent one end of



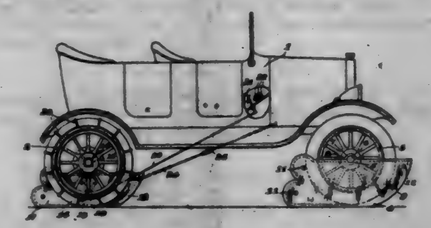
the house and a conduit for conveying the medium discharged by the latter blower to the other end of the house.

1,532,949. SAWMILL CARRIAGE. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,195. 5 Claims. (Cl. 143—120.)



1. The combination of a base, a bearing, a feed screw journaled in said bearing, a knee, a feed nut carried by said knee, comprising upper and lower halves bolted together, and internally screw-threaded to receive said feed screw, and means for adjusting the upper and lower halves of said feed nut longitudinally with respect to each other.

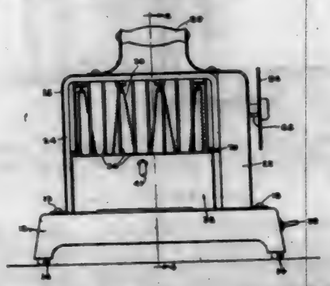
1,532,950. SLEIGH-RUNNER ATTACHMENT FOR AUTOMOBILES. BYRON M. RICH, Rome, N. Y. Filed July 1, 1924. Serial No. 723,557. 1 Claim. (Cl. 280—9.)



The combination with a support and a sleigh runner, of means for moving said sleigh runner toward and way from said support, said means comprising a pair of links pivoted on a common axis to said support, a pair of levers pivoted to each other intermediate their ends, one pair of adjacent ends of said lever being pivoted to the

free ends of the respective links, one of said links pivoted at its other end to the sleigh runner, the remaining end of the other lever being connected to an operating rod whereby as the operating rod is moved, the sleigh runner may be moved bodily with respect to said support.

1,532,951. BREAD TOASTER. DAYTON A. ROGERS, Minneapolis, Minn. Filed June 4, 1923. Serial No. 643,175. 6 Claims. (Cl. 219—19.)



1. A bread toaster comprising a support, heating means carried by said support, a number of toast-engaging elements supported adjacent said heating means, means for holding bread against said elements, and means for causing said bread-holding means to move away bodily from said heating means when the toasting operation has been continued for a predetermined length of time.

1,532,952. METHOD OF FORMING A PHENOLIC CONDENSATION PRODUCT. EDWIN ROLKER, Baltimore, Md., assignor to The Permatite Company, a Copartnership composed of George Barth, Milton W. Gatch, and Edwin Rolker, all of Baltimore, Md. Filed Mar. 18, 1920. Serial No. 366,940. 4 Claims. (Cl. 260—4.)

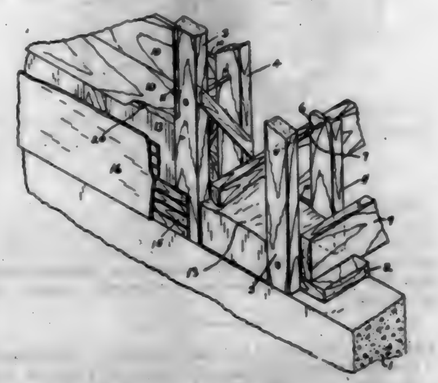
1. A process of forming a phenolic condensation product which consists in mixing a phenolic body and a reactive methylene-containing substance, inducing reaction in the presence of a condensing agent consisting of a basic salt within a skeleton container of aluminum, and withdrawing the container and enclosed salt before the reacting mass hardens.

1,532,953. SCREW DRIVER. HENRY W. ROSS and JAMES O. HICKS, Victoria, Tex. Filed Feb. 6, 1923. Serial No. 617,311. 1 Claim. (Cl. 145—52.)



A tool of the class described consisting of relatively movable crossing levers forming opposed jaws to jointly engage a screw at their work ends, a pivot connecting said levers, a thin flat driver blade having a first and a second portion, said portions being disposed at substantially a right angle to each other, the first mentioned portion lying flatwise between the levers at the crossing and being pivotally secured in place between the levers by said pivot for movement independently of each of the levers, and the second mentioned portion being disposed flatwise between the jaw portions of the levers and at its distal end adapted to enter the kerf of a screw.

1,532,954. BUILDING WALL. ANDREW RUMPLER, Cudahy, Wis. Filed Oct. 23, 1924. Serial No. 745,331. 5 Claims. (Cl. 72—16.)



1. A building wall comprising a filler block composed of self sustained adherent dry earth and spaced inner and outer walls having connections with each other extending through said filler block, said inner and outer walls being spaced from the filler block at a distance therefrom substantially equal to the difference in the thickness of the filler block when dry and its thickness when sufficiently wet to be tamped.

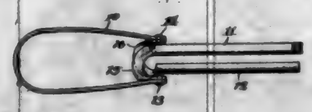
1,532,955. POWDER-APPLYING BRUSH. HARDY G. SAMMONS, New Orleans, La. Filed Aug. 18, 1924. Serial No. 732,829. 1 Claim. (Cl. 15—138.)



The herein described powder applying brush comprising a hollow body open at one end and closed by a handle at its opposite end, a brush head detachably connected to and closing the open end of the body and having a large central aperture, bristles carried by the said head and disposed about said aperture, a foraminous plate fixed to the head and arranged at the inner end of the

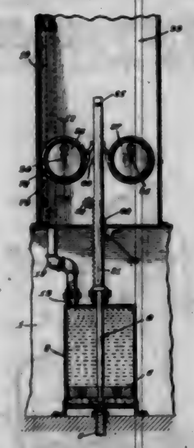
large aperture in the head and flush with the inner side of the head, and an apertured disk pivotally connected to the center of the said plate and overlapping and resting against the inner side of the head.

1,532,956. HAIR CURLER. WILLIAM D. SCHAEFER, Chicago, Ill. Filed July 5, 1923. Serial No. 649,407. 3 Claims. (Cl. 132—37.)



1. A curling iron comprising a loop of resilient wire forming a handle, substantially hook-shaped hair gripping members, pivotally connected to the ends of said loop and adapted to be turned to positions substantially within or without said loop, one of said members being provided with a longitudinal slot and the other member extending through said slot, said members being normally forced together by the spring action of the handle and being adapted to be moved apart by manual compression of said handle.

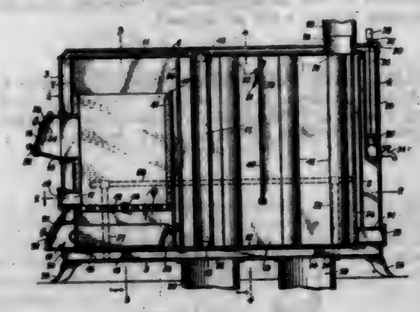
1,532,957. LIQUID-DISPENSING APPARATUS. ALFRED JOSEPH SHAW, Granby, Quebec, Canada. Filed Feb. 28, 1924. Serial No. 695,848. 12 Claims. (Cl. 221—103.)



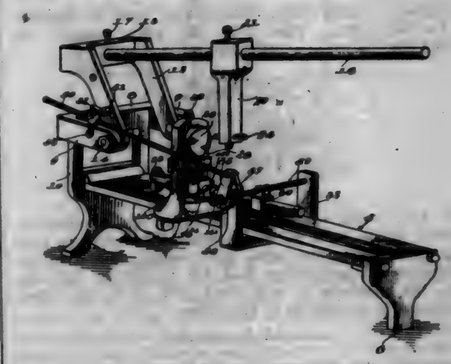
1. A liquid dispensing apparatus comprising a housing, a pump disposed within said housing, a motor for actuating said pump, a switch disposed in the motor circuit, a disc rotatably supported by the housing and adapted to be locked thereto, and an operative connection between the disc and the switch for closing the motor circuit.

1,532,958. HEATING APPARATUS. CORYDON W. SEXTON, Charlotte, N. C. Filed Apr. 18, 1922. Serial No. 554,979. 1 Claim. (Cl. 126—99.)

A heater comprising an outer casing, a combustion box within said casing and spaced from the walls thereof forming an enveloping air chamber, an open topped fire pot in the forward part of said combustion box, a plurality of banks of vertical flues arranged rearwardly of said fire pot and communicating at their opposite ends with said enveloping air chamber, a smoke pipe leading from the rear part of said combustion box, a vertical partition arranged intermediate said banks of flues and between said fire pot and smoke pipe for deflecting the heated products of combustion longitudinally of said flues, said partition having a damper controlled draft opening at its upper end, a grating constituting the upper wall of said air chamber and extending above said fire pot and said flues and cold air supply conduits communicating with that part of said enveloping air chamber which lies directly beneath said banks of flues.



1,532,959. TOOL-TRIMMING MACHINE. JOHN WASHINGTON TAYLOR, Gadsden, Ala. Filed Mar. 17, 1923. Serial No. 625,903. 7 Claims. (Cl. 82—12.)



1. A machine of the class described comprising a bed, a vertically movable lever having an attaching member horizontally pivoted to said bed, a tool holder mounted on said lever and adapted for vertical movement in an arcuate path, a cutter carried by said holder, a work supporting chuck mounted on said bed, a horizontal lever for moving said chuck horizontal in an arcuate path, and means operated by the attaching member of said first named lever for moving the horizontal lever transversely of the bed.

1,532,960. BAYONET MOUNTING FOR GUNS. JOSEPH TOMANEK, Truscott, Tex. Filed May 21, 1924. Serial No. 714,847. 1 Claim. (Cl. 42—86.)



In an automatic bayonet mounting for guns, the combination with a gun barrel, a bayonet slidably mounted thereon, resilient means detachably connected to the bayonet for normally projecting the latter, latch devices for holding the bayonet projected or retracted,

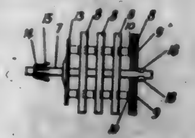
immovable means carried by the barrel to which the bayonet may be attached for holding the latter retracted when not in use, and a cover hinged to the barrel adapted to enclose the bayonet when retracted and to prevent it from being accidentally detached from the immovable means, when so enclosed.

1,532,961. ROD AND STEM PACKING. JOHN L. TRAVERS, Palmyra, N. Y., assignor to Crandall Packing Company, Palmyra, N. Y. Filed Sept. 26, 1924. Serial No. 740,110. 2 Claims. (Cl. 288—1.)



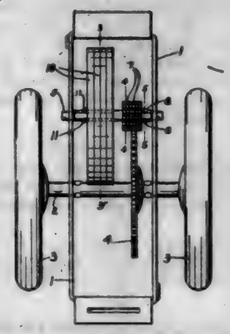
1. A packing ring having a cylindrically formed inner periphery provided with slots communicating with the interior of the packing ring and extending from one side of the ring to the other at an angle to the axis of the ring, and a core of lubricant absorbent material enclosed in said packing ring.

1,532,962. FLYWHEEL FOR TOYS. JOHN C. TURNER, Dayton, Ohio. Filed Nov. 27, 1922. Serial No. 603,454. 4 Claims. (Cl. 74—6.)



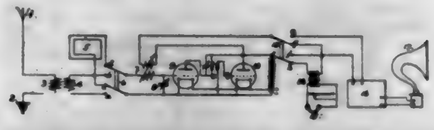
1. In a device of the type described, the combination with a spindle, of a fly wheel mounted thereon, and having apertures in one outer part thereof, and a pinion having radial projections that are turned for entrance into the apertures in said outer part of the fly wheel structure to connect it to the latter.

1,532,963. FLYWHEEL AND PINION CONSTRUCTION FOR TOYS. JOHN C. TURNER, Dayton, Ohio. Filed May 3, 1924. Serial No. 710,947. 3 Claims. (Cl. 74—6.)



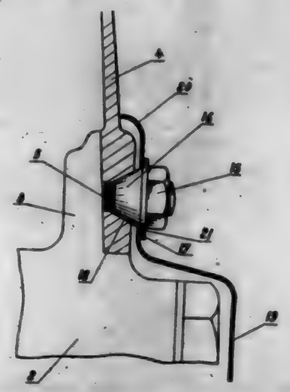
1. In a device of the type described, the combination with a spindle, of a series of toothed-disc stampings having squared central holes, said spindle being formed with a flattened portion upon which said stampings are fitted, face to face, to form a pinion, a gear in engagement with said pinion, and means formed on the spindle to hold said stampings closely together for a firm mesh with said gear.

1,532,964. MEANS FOR RADIOSIGNALING SHIPS DURING A FOG. CORRADO VALGUARNERA, Palermo, Italy. Filed Aug. 9, 1924. Serial No. 731,019. 2 Claims. (Cl. 250—2.)



1. A radio-signaling system for ships, which comprises a transmitting station having a limited transmitting range, a determined wave length, an antenna tuned to that of the receiving station, and a special transmitter of automatic signaling having a standard signal; and a receiving station comprising an alarm, a double system of aerials, one for the functioning of the alarm, and the other for determining the ship's position; switch systems for tuning the antenna with the circuits; a telephone with reducing transformer and potentiometer to vary the sensitiveness of the receiving apparatus; and synchronized coacting relay and signal selector for actuating the alarm when predetermined signals are received.

1,532,965. CAP COVER. ANDRÉ VALLOT, Levallois, France. Filed June 18, 1923. Serial No. 646,261. 1 Claim. (Cl. 301—108.)



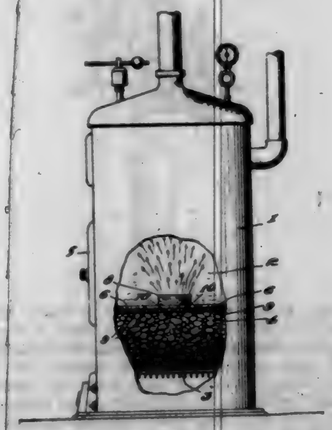
A device for securing cap-covers to the wheels of motor vehicles comprising in combination, a hub, a hub-extension, attaching bolts secured thereto, a wheel body having holes cooperating with said bolts and traversed by the latter, conical recesses formed in the main body of the wheel around the said bolts, wheel-attaching nuts screwed to said bolts and provided with a base fitting into the said recesses, flanged parts formed on said nuts whose diameter is larger than that of the largest part of the said base, and a flange forming an extension of the said cap cover and having therein holes corresponding to the said attaching bolts, the diameter of said holes being larger than the largest part of the said base and smaller than the diameter of the flange of the nut, the distance between the base of the nut and its flange being such that when the said base is caused to bear within its recess the flange of the said nut will press slightly upon the flange of the said cap cover, whereof the exterior edge only bears upon the wheel.

1,532,966. CLOCK CALENDAR. GERALD MASON VAN DYKE, Tientsin, China, assignor of one-half to Hugh K. MacDougall, Tientsin, China. Filed Mar. 25, 1924. Serial No. 701,764. 11 Claims. (Cl. 58—4.)



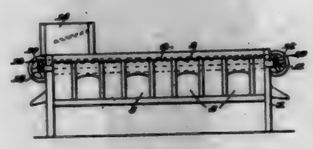
1. In combination with a clock, a calendar operated by the clock mechanism and mounted to rotate about the face of the clock, for the purpose specified.

1,532,967. COAL-SAVING DEVICE. ELIAKIM M. VAN PELT, Elizabeth, and RALPH H. DIXON, Newark, N. J. Filed Aug. 18, 1924. Serial No. 732,698. 4 Claims. (Cl. 126—148.)



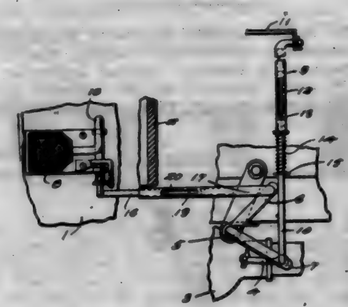
1. A coal-saving device comprising a body-element made of a non-inflammable material, said device being adapted to be placed upon the bed of fuel of a heat-producing unit, supporting ribs extending from the lower face of said body-element, said ribs being also made of a non-inflammable material and being arranged, when the device is placed upon the bed of fuel, to provide gas-collecting spaces, and the said body-element being further provided with means for conveying the unconsumed gases from said collecting spaces for consumption above the said body-element.

1,532,968. FRUIT-SORTING DEVICE. BERNARDUS GERRARDUS VAN STIJN, Lisse, Netherlands. Filed Apr. 12, 1924. Serial No. 706,142. 4 Claims. (Cl. 130—32.)



1. A fruit sorting machine comprising a movable table provided with graduated openings, means for imparting a four-motion feed to said table and means for imparting to objects on said table a step-by-step feed of said objects longitudinally of said table to a selective opening therethrough.

1,532,969. ENGINE ACCELERATOR. CLYDE H. VINCENT, Oilton, Okla. Filed May 29, 1924. Serial No. 716,705. 1 Claim. (Cl. 74—39.)



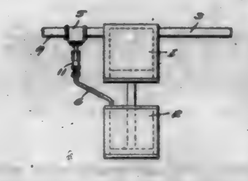
Accelerating means for an internal combustion engine, the same comprising a fork having oppositely disposed arms, one of said arms having connection with the throttle arm of the carburetor, a telescoping connection having connection with one of the arms of the fork and which the hand controls, and the other telescoping connection being coupled to the other arm of the fork and forming connecting means between it and the foot control, and spring means for normally maintaining the fork in a given position.

1,532,970. SWIMMING BELT. EDWARD WALKER, Grantwood, N. J. Filed Apr. 1, 1924. Serial No. 703,466. 3 Claims. (Cl. 9—17.)



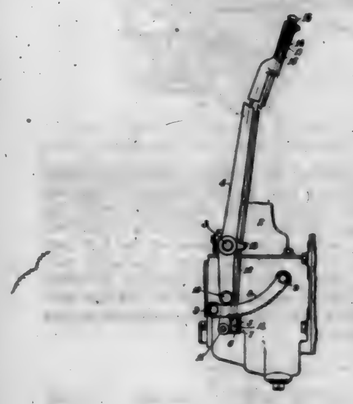
1. A swimming belt, comprising a hollow body portion of general elliptical shape in cross section and a plurality of apertured partitions in said body portion extending transversely thereof to form communicating air compartments, said partitions each having edge portions secured to the side walls and extending to points contiguous to a next adjacent partition to reinforce said walls.

1,532,971. VALVE AND CATCH POCKET. GUY C. WALLIS, Waycross, Ga. Filed June 6, 1924. Serial No. 718,358. 2 Claims. (Cl. 184—55.)



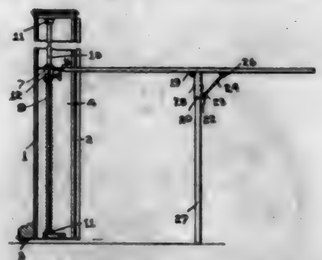
1. In combination with a pair of cylinders, an exhaust pipe connected with one of the cylinders, a pocket connected in the exhaust pipe, a pipe connecting the pocket with the other cylinder, a check valve connected in the last mentioned pipe, the said check valve having by-pass ducts communicating with the passageway therethrough.

1,532,972. BRAKE LEVER. SAMUEL O. WHITE, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Original application filed July 18, 1923. Serial No. 652,268. Divided and this application filed May 26, 1924. Serial No. 715,938. 6 Claims. (Cl. 74—89.)



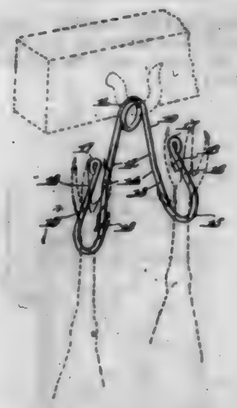
1. The combination with a transmission casing, of an arcuate toothed segment mounted on one side of said casing and spaced apart therefrom, a brake lever pivoted on said casing having a socket at its lower end, a dog vertically movable in said socket and arranged to cooperate with said segment, an operating rod for said dog extending parallel with said lever and having its upper end projecting through an opening in the handle of said lever, a retaining spring tending to urge said rod in a direction to cause the dog to engage the teeth of said segment, said rod having a transversly extending projection at its lower end engaging said dog, and a guide member near the lower end of said lever for said rod to maintain the same against lateral displacement and thereby hold the projection into engagement with the dog.

1,532,973. IRONING BOARD. SOPHIA ADELSON, New York, N. Y. Filed Aug. 27, 1924. Serial No. 734,512. 4 Claims. (Cl. 68—10.)



1. An ironing board structure, comprising a cabinet, a bar slidable therein, a shaft on which said bar slides, means for securing the bar relative to the shaft, an ironing board hinged to the bar, and a support hinged to the board near the free end thereof.

1,532,974. HANGER FOR DISPLAYING DRESSED POULTRY. JOSEPH J. ALBEE and CHARLES E. DOUGHERTY, Brooklyn, N. Y. Filed June 25, 1923. Serial No. 647,703. 1 Claim. (Cl. 17—44.)

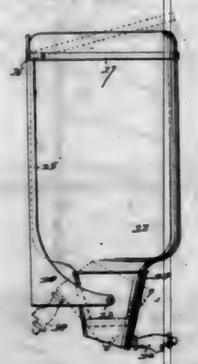


As a new article of manufacture, a holder for suspended poultry having at its center a bight to rest on a hook or other support and also having legs pendent from said bight and spaced apart, and loops at the lower ends and outer sides of the said legs; the said loops inclined downwardly and forwardly from their respective legs; and arranged with their bights below and spaced from the legs and their outer arms inclined upwardly and inwardly whereby the mouths of the loops are narrower than the bight portions thereof, the said arms terminating in eyes disposed at the outer sides of the mouths of the said loops.

1,532,975. DISPENSING ATTACHMENT FOR BOTTLES. GEORGE F. ANDERSON, Oklahoma City, Okla. Filed Apr. 17, 1922. Serial No. 553,660. 1 Claim. (Cl. 221—95.)

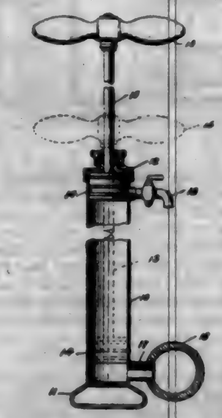
A dispensing attachment for bottles comprising a bracket designed for mounting on a wall or partition, a cap pivotally mounted in the bracket for the reception

of the neck of the bottle, the cap supporting the weight of the bottle and being provided with a dispensing faucet, and an arm carried by the bracket and extending longi-



tudinally of the attached bottle, said arm being provided with means for slidable engagement with the bottle to preclude swinging movement of the bottle on the pivotal connection of the cap.

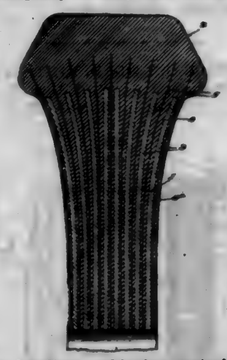
1,532,976. CLEANING APPARATUS FOR WATER MAINS. AUGUST W. ANNERT, Jersey City, N. J. Filed Feb. 1, 1922. Serial No. 533,372. 1 Claim. (Cl. 137—70.)



In combination with means to contain water under pressure, a cylinder disposed at substantially a right angle thereto, a base carried by said cylinder adapted to be engaged by the operator's foot, a laterally off-set connection on said cylinder above said base in communication with said means, a piston operable in said cylinder constituting a seal and normally maintained elevated by the pressure of the water therein, and a manipulating rod extending from the piston and exteriorly thereof adapted for hand reciprocation.

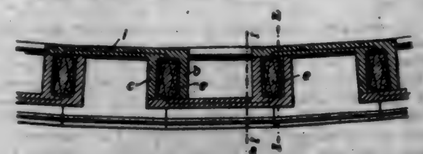
1,532,977. COMPOSITE VEHICLE WHEEL. HARRY N. ATWOOD, Monson, Mass., assignor to Rubwood, Inc., Lawrence, Mass., a Corporation of Massachusetts. Filed Apr. 25, 1924. Serial No. 708,941. 7 Claims. (Cl. 301—63.)

1. A vehicle wheel having a tread of cushioning material and a body made up of plies of veneer bonded together by cushioning material, the tread and body of the wheel being integrally united, and reinforcing plies em-



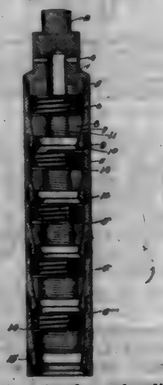
bedded in the bonding cushioning material between the plies of veneer and having peripheral portions extending into the tread.

1,532,978. CIRCULAR WALL. LEON BALABAN, Berlin-Friedenau, Germany. Filed Oct. 4, 1924. Serial No. 741,591. 2 Claims. (Cl. 72—90.)



1. An annular wall structure composed of a plurality of superposed layers of blocks, said blocks each having a longitudinal leg and two transverse arms spaced apart one of which arms is located at the end of said leg and both arms being on the same side of said leg, said blocks being laid up in the wall with the longitudinal legs alternately at the inner and outer sides of the wall; the free ends of the blocks closing the space left between the arms, said superposed arms forming continuous vertical channels, reinforcements in said channels and a filling of concrete surrounding said reinforcements.

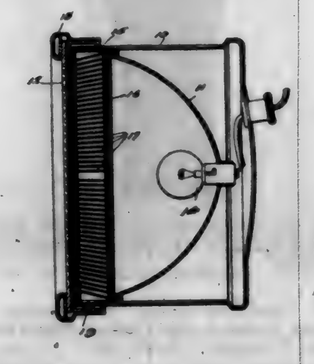
1,532,979. FISHING TOOL. RUSSELL CLYDE BARBOUR, Corsicana, Tex. Filed Oct. 28, 1924. Serial No. 746,334. 2 Claims. (Cl. 294—102.)



1. In a fishing tool, a head, a plurality of connected tubular sections secured in stages below said head, the inner face of each section being tapered inwardly to

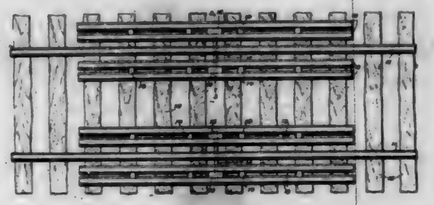
form a seat, sets of jaws tapered to fit each said seat, and a coiled spring above each set of jaws acting to press said jaws resiliently downwardly.

1,532,980. ANTIGLARE HEADLIGHT. FRED AMBRICUS BISHOP, Petersburg, Va. Filed Aug. 15, 1923. Serial No. 657,583. 1 Claim. (Cl. 240—48.4.)



An anti-glare headlight of the character described, comprising an externally threaded circular frame, the casing of a lamp threadedly engaging the frame therein, a plurality of concentrically arranged outwardly converging members arranged within the frame, said members being secured within the frame by strips arranged in the form of radial partitions and focusing the members toward a common center, the central member focusing forwardly and being independent of the other members and forming the hub from which the strips radiate, and means for adjustably holding the circular frame to the casing.

1,532,981. TRACK-SUPPORTING DEVICE. VICTOR ST. CLAIR BLACKETT, Moncton, New Brunswick, Canada. Filed Nov. 24, 1924. Serial No. 752,002. 3 Claims. (Cl. 238—169.)



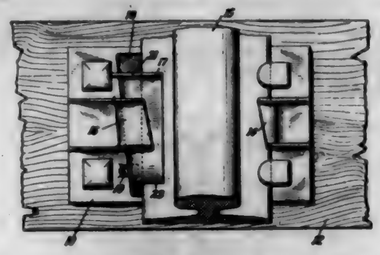
1. A track supporting device including a pair of girders adapted to be disposed lengthwise at opposite sides of a track rail, each girder including a plurality of rails and means tying the rails into rigid relation to constitute the girder, together with a beam adapted to be disposed transversely beneath a track rail and extending to the girders of the pair, and means supporting said beam from said pair of girders.

1,532,982. REFRIGERATING ARRANGEMENT FOR DRINKS AND FOOD. ALBERT BLOM, Stockholm, Sweden. Filed Nov. 16, 1923. Serial No. 675,229. 3 Claims. (Cl. 62—1.)

1. A bottle cooler comprising a container provided with a spiral rib on its inner wall, said container adapted to receive a bottle the walls of which lie in close contact with said rib, and an ice tray for the container supported above the bottle whereby water from the ice drips upon the bottle and is directed by said rib in a spiral path around the wall thereof.

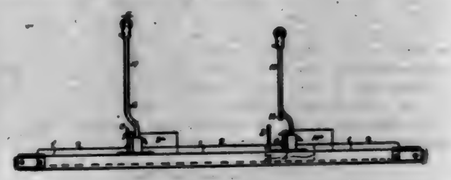


1,532,983. TIE-PLATE AND RAIL ANCHOR. JOHN A. BODKIN, New York, N. Y. Filed July 15, 1920, Serial No. 396,451. Renewed Sept. 8, 1924. 5 Claims. (Cl. 238—304.)



1. A device of the character described comprising a tie plate, lugs extending inwardly from the opposite sides thereof adapted to receive a rail, a tapering member adapted to engage with one of said lugs and provided with a longitudinal recess adapted to engage the upper and lower surfaces of the rail flange and the edge thereof intermediate said surfaces; said tapering member having a relatively thin overhanging portion extending longitudinally from one end thereof, substantially as specified.

1,532,984. DEVICE FOR USE IN PRACTICING THE GAME OF GOLF. CRAIGIE GYLE BORTHWICK, Edinburgh, Scotland. Filed Aug. 29, 1923. Serial No. 660,041. 3 Claims. (Cl. 273—35.)



1. A device for use in practicing the game of golf, consisting of a frame provided with a disc or captive ball, means for supporting two cross members positioned in the rear of the ball and spaced apart and two cross members positioned in advance of the ball and spaced apart, and two depending members similarly positioned but at different levels, so that when a true swing is imparted to the club its head will describe an arc lying between the cross and depending members without contacting with the frame or a part thereon substantially as set forth.

1,532,985. CUE TIP. ALBERT E. BRADLEY, Bridgeport, Conn. Filed Aug. 29, 1924. Serial No. 734,995. 1 Claim. (Cl. 273—70.)



A cue formed with a tenon at the front end, a sleeve having a cylindrical bore, the inner end of the sleeve being seated on the cue at the base of said tenon and the front end of the cue extending beyond said tenon and forming a socket, and a cue tip comprising a leather disk, a metallic disk affixed to said leather disk at the back thereof and a tapered stud central on the metal disk at the back thereof and tightly fitting in the front projecting end of the said sleeve.

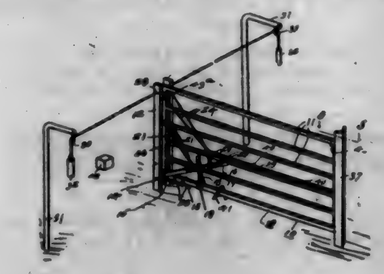
1,532,986. HARROW ATTACHMENT FOR CULTIVATORS. VERNE L. BRANSON, Lexington, Nebr. Filed Mar. 26, 1923. Serial No. 627,800. 2 Claims. (Cl. 97—215.)



1. In a device of the class described, the combination of a shaft, members transversely carried by said shaft so that opposite ends thereof extend from said shaft to provide teeth, said teeth being arranged in pairs curved longitudinally of said shaft toward each other and extending in overlapping relation to each other, certain spaces being provided upon said shaft for the reception of rows of plants therebetween as the harrow moves over land, the teeth being so related to said spaces as to have convex sides thereof facing the same.

1,532,987. GATE AND OPERATING MECHANISM. STEPHEN O. BUMGARNER, Waverly, Ohio. Filed Apr. 7, 1922. Serial No. 550,809. 3 Claims. (Cl. 39—43.)

1. A gate, having a bracket provided with arms secured to said gate at a corner thereof, pivot members extending laterally from said bracket, gate posts between which the gate moves and in which said members are pivoted, a latch post having a lug, a latch on the gate cooperating with said lug, an arm pivoted to said bracket, a second arm, said second arm being pivoted to said gate, means to secure said pivoted arms in adjusted position, brackets secured to said posts, pulleys on the latter brackets, draw members guided by said pulleys and connected with one of said pivoted arms, draw members extending from the said draw members to said latch, spring connected to said posts and to one of said arms,



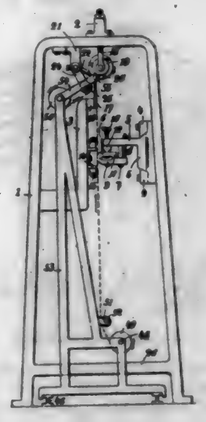
and springs connected to said posts and to said gate for tensioning through opening movement of the gate for the purpose specified.

1,532,988. THERMOPRESSURE REGULATOR. WASHINGTON H. CHAPMAN, Detroit, Mich. Filed Apr. 18, 1922. Serial No. 555,214. 10 Claims. (Cl. 236—26.)



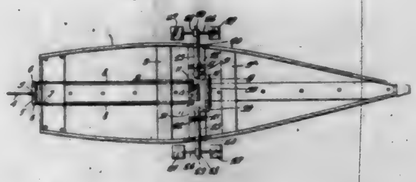
1. A thermo-pressure regulator for controlling the difference in pressure between a live steam line and a return line comprising a chamber open to the steam line, a reservoir adapted to contain water or condensate from the return line open to the chamber, a second chamber, a tube opening into the second chamber and extending downwardly into the reservoir, the tube being open to the reservoir at the lower end, a conduit connecting the said second chamber with the return line, a by-pass connected at one end to the return line and opening at the other end into the reservoir above the open end of the said tube, a closed member in the first chamber containing a volatile fluid, the said member being expansible or contractable upon change of temperature, a control lever pivotally supported relative to the first chamber, means for operating the control lever by expansion or contraction of the expansible member and a pressure control means with which the control lever is connected.

1,532,989. MACHINE FOR CUTTING, SHORTENING, AND SHEARING THE LOOSE THREADS OF MACHINE-MADE LACE AND ALL SIMILAR GOODS. GUSTAVE CORDIER, Calais, France. Filed July 25, 1922. Serial No. 577,403. 2 Claims. (Cl. 26—12.)



1. In a machine for cutting the loose threads or yarn of a fabric, comprising comb-like blades, sliding the one against the other and means for guiding the fabric near the teeth of said blades, the combination of two toothed blades whose teeth are terminated by plane faces which are perpendicular to the plane of contact of the said blades the one against the other for preventing the teeth from engaging the meshes of the web.

1,532,990. BOAT. GEORGE CHENGERY, South Norwalk, Conn. Filed Sept. 24, 1924. Serial No. 739,673. 3 Claims. (Cl. 115—28.)



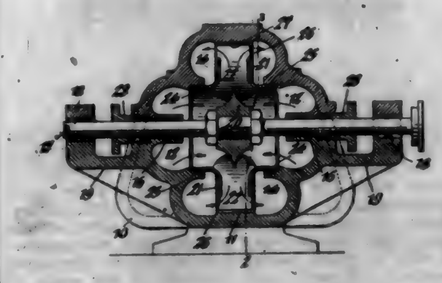
3. The combination of a boat hull having gunwales, holders fixed on said gunwales, standards fixed on the hull bottom and spaced inwardly from the gunwales, holders on said standards and arranged in coincidence with the first-named holders, the said standards being spaced a considerable distance apart, sleeves secured in the said holders and spaced apart, shafts journaled in said sleeves and spaced apart, propellers having rods extending diametrically through the outer portions of said shafts and also having blades on the rods, set screws bearing in the outer ends of the shaft and against said rods, a U-shaped handle having a transverse portion and also having end portions extending diametrically through the inner end portions of the shafts, set screws bearing in said shafts and adjustably fixing the handle thereto, and a roller mounted on the transverse portion of the handle.

1,532,991. TENNIS AND BADMINTON RACKET. BERTIE DE MEZA, London, England, assignor to Victor Dye, Limited, London, England. Filed Apr. 9, 1923. Serial No. 630,864. 6 Claims. (Cl. 273—73.)



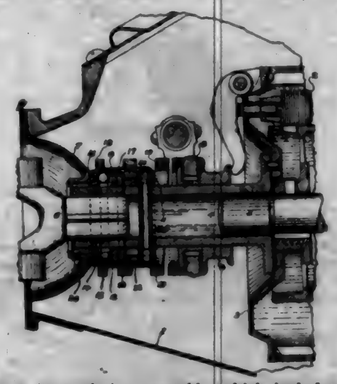
1. A racket for tennis, badminton and like games, comprising a frame of bent wood, said frame being formed with shoulders and with a handle portion, stringing secured in said frame, and a resilient wedge member occupying the space between said shoulders of said frame.

1,532,992. CENTRIFUGAL PUMP. EDMUND F. DOTY, North Tonawanda, N. Y. Filed Jan. 5, 1924. Serial No. 684,652. 5 Claims. (Cl. 103—104.)



1. A centrifugal pump, comprising a casing having an inlet and a discharge, an impeller chamber in communication with said inlet, an impeller including blades, open at its periphery and rotatably mounted in said chamber, and a pressure chamber arranged at one side of said impeller chamber and communicating with the same and with said discharge, the peripheral edges of the blades being parallel with and extending to the inner wall of the impeller chamber, said impeller having lateral discharge openings intersecting with the periphery thereof and communicating with said pressure chamber and said inner wall of the impeller chamber constituting an impact face for directing the fluid through said discharge openings at substantially right angles to the plane of rotation of the impeller.

1,532,993. BEARING. CARROLL E. DURHAM, Redford Township, Wayne County, Mich., assignor of one-half to Thomas B. Moore, Detroit, Mich. Filed Mar. 9, 1921. Serial No. 450,822. 8 Claims. (Cl. 64—25.)



1. In a transmission assembly which includes a drive plate assembly sleeve, a ball cap, and a spring casing:—an end thrust bearing extending into the spring casing against said ball cap and adapted to receive end thrust of said sleeve, and an adjustable spacer member forming part of said bearing.

1,532,994. MATCH LIGHTER. JOSEPH FRALING, Bemidji, Minn. Filed Feb. 4, 1924. Serial No. 690,521. 2 Claims. (Cl. 44—48.)



1. A match scratcher comprising a plate-like body having flanges struck outwardly therefrom and provided with free edges, the distance between the free edges of the flanges being such that when a match head is drawn along said edges, the head will engage both of said edges.

1,532,995. LEVEL INDICATOR OF THE LUMINOUS TYPE. ANDRÉ GAGE, St.-Ouen, France. Filed Mar. 6, 1924. Serial No. 697,320. 5 Claims. (Cl. 88—14.)



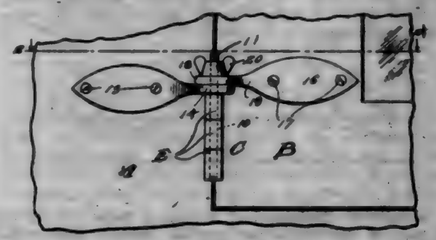
1. A device for facilitating the observation of a level gauge tube, comprising an illuminant at the side of the tube containing the fluid whose level is to be observed, means disposed between the said illuminant and the said tube whereby the beam is compelled to fall upon the tube at a determined incidence, and means disposed at the other side of the tube and affording passage solely to the incident rays which are refracted through the said fluid.

1,532,996. EXTENSIBLE TABLE. NAPOLEON GIARD, St. Michel de Rougemont, Quebec, Canada. Filed Oct. 1, 1923. Serial No. 666,002. 1 Claim. (Cl. 45—9.)



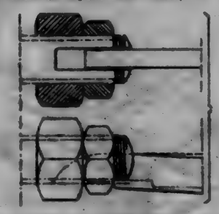
An extensible table comprising a pair of side members, a top slidably supported by said members, rollers supported between said members, a strip carried at one end of said top, a plurality of slots articulated to the remaining end of the top and adapted to pass over said roller, a slide carried by one of said side members and having a pair of grooves therein, a stop carried by said side member and receivable in one of said grooves, a second strip secured to the first named strip and lying parallel to the top, and a stop carried by said last named strip, said stop being receivable in the remaining groove of the slide.

1,532,997. CASEMENT-WINDOW FASTENER. CLYDE H. GOLLADAY, Los Angeles, Calif. Filed Oct. 16, 1923. Serial No. 668,886. 3 Claims. (Cl. 16—139.)



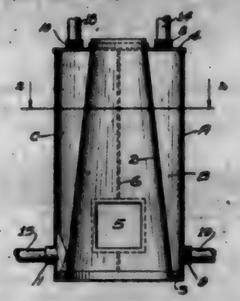
1. A securing means of the class described, in combination with a hinge using a pintle, a stud applicable to the hinge in lieu of the pintle, leaves extending from the stud for connection to a frame and member which moves relatively to it, the stud constituting the axis for one of the leaves, and means to secure said leaves together.

1,532,998. NUT LOCK. JUSTINIEN VICTOR GRAND, Bussigny, France. Filed Apr. 4, 1921. Serial No. 458,276. 1 Claim. (Cl. 151—22.)



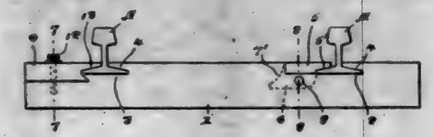
A nut, and a bolt on which the nut is screwed, said bolt having a longitudinal recess in one side, exposing parts of the thread of the nut, and adapted for the reception of a tool wherewith to deform the said exposed parts of the nut thread and thereby lock the nut on the shank said recess presenting a wall parallel with the axis of the bolt, and being open at the outer end, to receive the tool, the said wall forming a guide for the tool.

1,532,999. BOILER. RICHARD GREENHAM, San Francisco, Calif. Filed June 6, 1922. Serial No. 566,346. 2 Claims. (Cl. 122—37.)



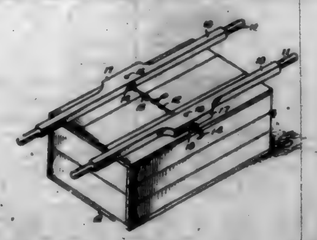
1. In a heating and ciculating system of the character described a boiler comprising an exterior shell, an interior shell concentric therewith and spaced therefrom, said inner shell forming an annular compartment, a pair of radially, oppositely disposed partition members interposed between the exterior and the interior shell and dividing the annular compartment into two separate compartments, separate inlet connections disposed at the lower end of each compartment, and separate discharge connections disposed at the upper end of each compartment.

1,533,000. TIE. JOHN GURNOVITZ, Milwaukee, Wis. Filed Nov. 11, 1924. Serial No. 749,273. 1 Claim. (Cl. 238—331.)



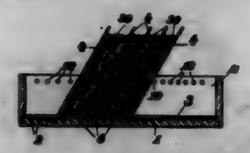
A railroad tie formed of a body of metal and having a pair of rails receiving recesses therein, each recess having an undercut wall for receiving a portion of the base of a rail, locking members detachably connected with the recessed portions of the tie for holding the rails in position, one locking member having a web for engaging a slot in the tie and the other member having a dove-tail groove therein for engaging a dove-tail rib on the tie.

1,533,001. LIFTING DEVICE. CATO HAARBERG, Chicago, Ill. Filed Nov. 24, 1923, Serial No. 676,803. Renewed Feb. 26, 1925. 6 Claims. (Cl. 294—15.)



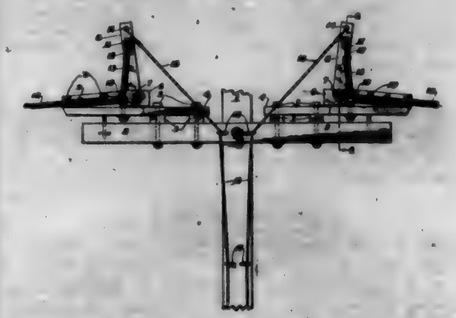
1. A lifting device comprising a pair of elongated lift bars adapted to be disposed above an article to be carried and to be grasped at the ends thereof, a flexible transverse connection between said bars, and transversely disposed grabs on the bars at the approximate center thereof at the outer sides of the bars for engagement with the articles to be carried.

1,533,002. CARD INDEX, LETTER, AND DOCUMENT FILE. ERWIN OTTO HASSERFELD, Berlin, Germany. Filed June 23, 1924. Serial No. 721,910. 5 Claims. (Cl. 129—16.)



1. In a card index and letter and document file with interposed supporting cards, the combination of a receptacle having transverse grooves in the bottom thereof for preventing movement of the cards with respect to the bottom, and a transverse supporting rod engageable with the upper portion of the receptacle for supporting the cards at the desired inclination.

1,533,003. WHIP-ACTUATING DEVICE. PERRY OSCAR HELLER, Prophetstown, Ill. Filed Mar. 29, 1924. Serial No. 702,915. 1 Claim. (Cl. 280—178.)

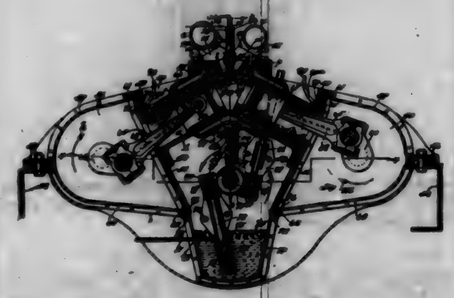


A device of the class described comprising a supporting bar adapted to be secured to and in advance of a neck yoke, spaced bearing brackets secured to said bar at an intermediate point thereof, a vertical pivot pin mounted in said brackets, a horizontally disposed bell crank lever pivoted at its angle on said pin between said brackets, one arm of said lever normally extending forwardly and the other extending outwardly with respect to the neck yoke, brackets with hook bolts mounted on the forwardly extending arm, a pair of springs connected at one of their ends to the hook bolts and at their other ends to the supporting bar at points between the vertical pivot and the outer end of the other arm, means for securing a whip to the last-named arm, and a pull cord attached to the front end of the forwardly extending arm in advance of the spring connection for rocking the lever against the spring pressure and causing the whip to be swung forwardly and inwardly.

1,533,004. MULTIPLE-CYLINDER COMBUSTION MOTOR. MARTIN HENRY, Verden, Okla. Filed Feb. 12, 1924. Serial No. 692,843. 5 Claims. (Cl. 123—58.)

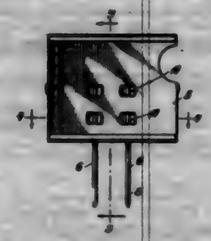
5. A multiple cylinder combustion motor including a motor block provided with a plurality of sets of cylinders, the cylinders of each set diverging laterally and downwardly with a combustion chamber between the adjacent ends of the cylinders of each set, intake and exhaust valves for said combustion chambers, means below the motor block and operatively connecting with the intake and exhaust valves for operating the same, a housing below and connected to the motor block for housing said

means, crank cases carried by the opposite sides of the housing and having crank shafts therein operatively connecting with the intake and exhaust valve operating means for operating said valves at every two revolutions of the crank shafts, pistons in the cylinders and operatively connecting with the crank shafts, the crank cases consisting of upper and lower removable crank case plates, the removal of which permits access to the crank shafts and the connecting rods, permitting the pistons to be removed without disturbing the motor block and the



valve operating means, the housing for the intake and exhaust valve operating means including an oil pan at the bottom, the removal of which permits of access to the valve operating means, a web depending from the motor block and located within the housing and carrying the operative connections of the means for actuating the intake and exhaust valves, and a trough or channel carried by the web and adapted to receive lubricant and being located above the cam shaft and the elements of the valve operating means and provided with outlets for feeding lubricant to said elements and the cam shaft.

1,533,005. PRICE-TICKET HOLDER. HERMANN HOPF and LEO HOPF, New York, N. Y. Filed Feb. 27, 1924. Serial No. 695,538. 1 Claim. (Cl. 40—10.)



A device of the character described comprising a card or ticket holder having spaced pairs of aligned loops, a piercing element constituting a support for said holder and attached thereto, said piercing element consisting of a single piece of material and being bent and formed to provide a central portion and pointed prongs and offsets, each prong extending through a pair of said loops, the offsets being in contact with one edge of said holder, and the central portion being in contact with a loop of each pair.

1,533,006. EXPANSION HITCH. WILLIAM P. HUNTER, Plains, Kans. Filed Dec. 12, 1923. Serial No. 680,241. 3 Claims. (Cl. 37—242.)

1. In combination, a draft bar, an equalizer bar fulcrumed to the draft bar at its center, a pair of tongues, a hanger depending from each tongue, a link fulcrumed to each hanger for receiving the draft bar, means for



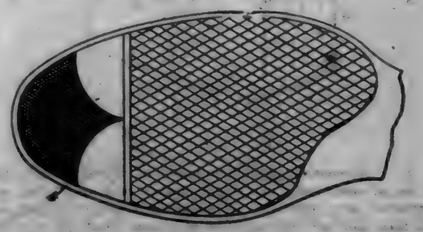
attaching each link to the adjacent tongue, and rods connecting the links and the ends of the equalizer bar.

1,533,007. ANTITHEFT DEVICE. FRED WILLIAM GEORGE KAMMERER, Brooklyn, N. Y. Filed Feb. 25, 1924. Serial No. 695,034. 1 Claim. (Cl. 296—95.)



In combination with the wind shield structure of an automobile, a sun shield, a pair of arms, attaching means for securing said arms to said wind shield structure, a blind pivoted to said arms and comprising a pair of hingedly connected foldable sections, a locking device including a forked member for locking said section in a folded position beneath said sun shield or unfolded position, the forked member straddling the sections when in folded position and adapted to straddle one of said sections and the wind shield structure when in unfolded position, substantially as and for the purpose specified.

1,533,008. RUBBER HALF SOLE. CHARLES R. KNERR, Auburn, Ind., assignor to The Regal Rubber Co., Dayton, Ohio. Filed Nov. 17, 1923. Serial No. 675,387. 3 Claims. (Cl. 36—32.)

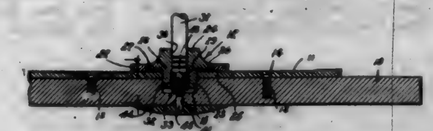


3. A partially vulcanized rubber half sole comprising a bottom tread section having a vulcanizing agent incorporated in it, and a plurality of layers containing no vulcanizing agent including latex for controlling the migration of sulphur, the sole being vulcanized and the vulcanizing agent of the tread layer extending from the bottom layer beyond into the top layer and terminating short of the upper surface thereof, the layers being united by the vulcanization and the upper surface and adjacent portions of the top layer being unvulcanized to permit a uniform adhesion and firm attachment between all parts of the entire upper surface of the rubber half sole and the leather sole and air to be completely excluded from between the rubber half sole and the leather sole.

1,533,009. TREATMENT OF ALKALI-METAL CHLORIDES. JULIUS KERSTEN, Mannheim, Germany. Filed Mar. 28, 1921. Serial No. 456,192. 3 Claims. (Cl. 23—154.)

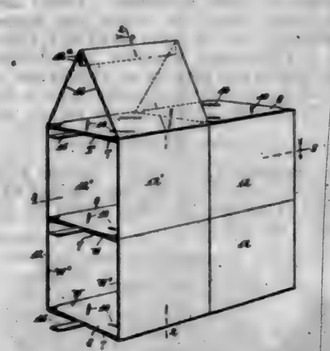
1. A method of decomposing alkali-metal chloride for obtaining hydrogen chloride (hydrochloric acid) with the aid of superheated steam, consisting in introducing steam into a molten mixture of alkali-metal chloride and alkali-metal silicate.

1,533,010. PATTERN. HENRY M. KINSLOW, Santa Ana, Calif. Filed Dec. 7, 1922. Serial No. 605,368. 7 Claims. (Cl. 22—157.)



1. A pattern of the character described including, a plate, a rib on one side of the plate, and a pattern part detachably mounted on said side of the plate so that it overlaps a part of the rib.

1,533,011. TOY CONSTRUCTION. ROY S. KNAGGS, New York, N. Y. Filed Mar. 19, 1924. Serial No. 700,296. 7 Claims. (Cl. 46—35.)



1. A constructor unit for a toy of the type including a set of selectively engageable units; said unit being constructed of a plurality of sheet members arranged face to face and secured together at points removed from the bounding edges of the sheet members to provide substantially parallel sheet-like gripping jaws marginally of the unit.

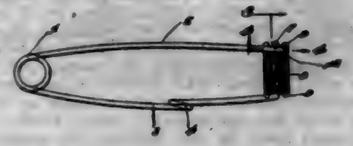
1,533,012. DRY-CELL BATTERY. HARRY M. KORETSKY and BORIS H. TEITELBAUM, Brooklyn, N. Y.; said Teitelbaum assignor to said Harry M. Koretsky and Israel Koretsky, New York, N. Y. Filed Dec. 17, 1919. Serial No. 345,643. 4 Claims. (Cl. 136—88.)

1. In a dry cell battery, the combination of two open ended containers adapted to be telescoped one within the other, one of the containers being of metal and the other of fibrous material, one end portion of one of the members comprising a tapered closure member adapted to be received in an opening of the other container when in telescoped position, and an electrolyte carried normally in one of the containers in spaced relation to the other



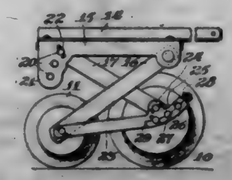
container, said electrolyte being held from leakage from the telescoped containers by said closure member after the battery has been telescoped for use.

1,533,013. GAS LIGHTER. CHARLES F. LARSEN, Chicago, Ill. Filed Aug. 6, 1924. Serial No. 730,493. 2 Claims. (Cl. 67—6.1.)



1. A gas lighter including parallel spring arms, the outer ends of said arms being disposed at right-angles to the body portions, a cross-bar carried by the outer end of one of said arms, an outstanding finger at the outer end of the cross-bar, a substantially arcuate file plate mounted for lateral adjustment upon the cross-bar, means carried by the outstanding end of one of the arms and means carried by the outstanding arm of the cross-bar for guiding said plate in its movement and a detachable ignition tip carried by the outstanding end of the other arm for normal contact with one surface of the file plate.

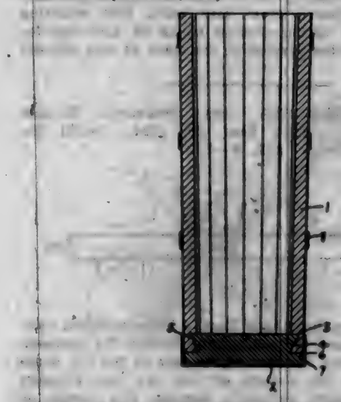
1,533,014. SUBSOIL PACKER. VICTOR F. LASSAGNE, Chicago, Ill. Filed Oct. 31, 1923. Serial No. 671,915. 15 Claims. (Cl. 55—21.)



6. An implement comprising the combination of a lower frame, soil working means carried by the lower frame, and an upper frame supported on the lower frame by means permitting rocking movement between the frames and comprising a plurality of movable members each of which is pivoted to both frames.

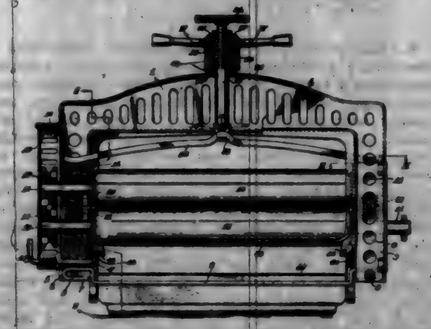
9. A pulverizer comprising the combination of upper and lower pivotally connected frames, front and rear pulverizing rollers journaled in the lower frame, and means for raising and lowering the bearings of one of said rollers on the lower frame.

1,533,015. WOODEN TUB. FRANK LATTON, Houston, Tex. Filed Aug. 18, 1924. Serial No. 732,645. 8 Claims. (Cl. 217—80.)



1. In a device of the character described, a receptacle comprising upright staves formed with a radial groove at their lower ends, said staves being beveled downwardly below said groove, in combination with a bottom having an upper portion fitting within said groove and bearing against said beveled portion, a radially extending bottom flange thereon extending below the staves flush with the outer surface thereof, and a hoop securing said staves in position against said bottom.

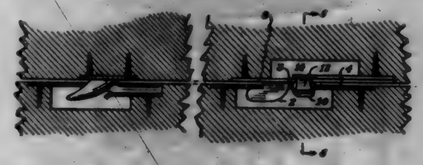
1,533,016. WRINGER. STANLEY LEECH, Detroit, Mich. Filed Apr. 1, 1922. Serial No. 548,674. 1 Claim. (Cl. 68—32.)



A quick tension release device for a clothes wringer of the roll type having a stationary frame and a tension screw for regulating the tension of a roll, said device comprising a tubular post mounted on said frame with said screw extending through said post, pins mounted in the outer wall of said post at the upper end thereof, a shiftable sleeve in screw-threaded engagement with said screw and surrounding said post, enlargements on said sleeve affording recesses in the inner wall of said sleeve and into which recesses said pins extend, and supports in the sleeve recesses and extending longitudinally thereof to co-operate with the wall of said sleeve in forming guide grooves for said pins, said pins resting normally on said supports and adapted to be shifted off of said supports by said sleeve to permit a quick movement of said sleeve.

1,533,017. CATCH. DANIEL D. LEDY, Boyertown, Pa. Filed Jan. 14, 1924. Serial No. 686,152. 1 Claim. (Cl. 292—302.)

A device of the class described comprising a plate having a hook formed at one edge thereof and extending transversely to the plate, a spring plate lying in abutment with one side of the first named plate, a cam projecting transversely from one edge of the spring plate and having a rounded edge facing said hook, and a thumb button formed upon said spring plate for moving



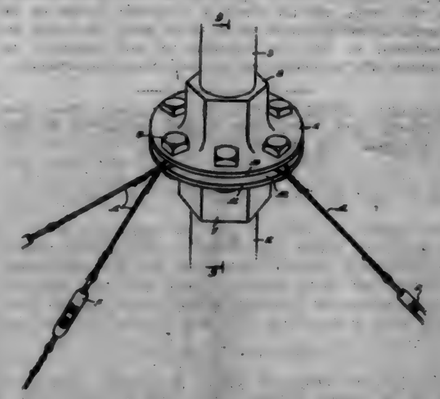
the cam out of locking position relative to said hook, a keeper plate provided with a longitudinal slot adapted to receive said hook and cam, one end of the slot in said keeper plate being reduced in width to substantially the thickness of said hook.

1,533,018. SEPARATOR. GEORGE LIEBERMAN, Galveston, Tex. Filed Sept. 20, 1922. Serial No. 589,268. 7 Claims. (Cl. 17—2.)



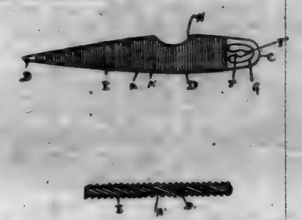
1. A device of the character described comprising a rotatable container, a single integral rack therein having series of radially arranged open-ended compartments, rods separating each compartment into two chambers, the bottom walls of each said compartment extending from the inner side thereof to a point spaced from the outer end of the compartment, for the purpose described.

1,533,019. GUY COUPLER FOR MASTS. ALBERT LINK and LESTER W. LINK, Brooklyn, N. Y.; said Lester W. Link assignor to said Albert Link. Filed July 25, 1922. Serial No. 577,456. 1 Claim. (Cl. 189—26.)



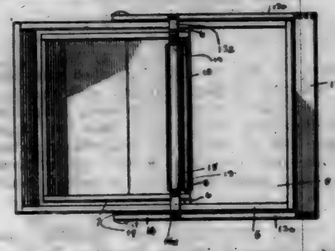
A guy coupler for masts, comprising a body formed with means at the upper and lower parts for receiving mast sections, a pair of parallel circumferentially extending horizontal flanges extending from said body, and a plurality of members extending through said flanges for receiving guy members.

1,533,020. FINGER-NAIL FILE. RAYMOND MATHER, Holyoke, Mass. Filed Apr. 18, 1922. Serial No. 555,476. 2 Claims. (Cl. 132—73.)



2. A finger nail finishing and cleaning file consisting of a metal body having finger nail filing teeth on at least one side thereof, the teeth being arranged in two groups on opposite sides of a transverse line, the teeth of each group having straight and beveled sides and the beveled sides of one group being disposed in planes angular to the beveled sides of the other group, whereby a file cutting action will be obtained by movement of one group of teeth over a finger nail in one direction and movement of the other group of teeth in the opposite direction, and a cleaning tongue formed on one end of the body and provided with a guard around the same.

1,533,021. MOP WRINGER AND PAIL. RAYMOND MATHER, Holyoke, Mass. Filed Apr. 4, 1923. Serial No. 630,002. 2 Claims. (Cl. 15—262.)



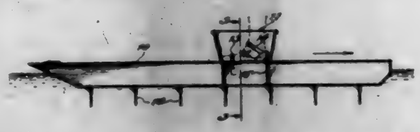
1. A combined mop pail and wringer consisting of a pail having a partition dividing the same into two compartments, levers pivoted on the pail, a roller carried by the levers over the partition, a foot bar connected to the levers, and an auxiliary receptacle in one of the compartments arranged to be tilted when the levers are depressed so that the contents of said auxiliary receptacle will be discharged into the other compartment.

1,533,022. ARTIFICIAL BAIT. THADDEUS MEAD, New Haven, Conn. Filed Mar. 8, 1924. Serial No. 697,802. 2 Claims. (Cl. 43—45.)



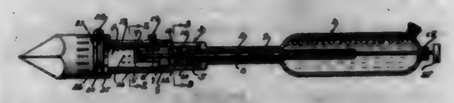
1. A device of the class described comprising a stem having an eye at one end thereof, means at the opposite end to detachably engage the stem and form a second eye, a spinner plate mounted for rotation on said stem, a clip rotatable on said stem, and co-acting means on said clip and spinner plate for holding the body of said spinner plate spaced from said stem, said co-acting means including spring pressed hooks on said clip for reception in notches formed in the sides of said spinner plate.

1,533,023. WATER SKI. OWEN MEREDITH, Morgantown, W. Va. Filed Sept. 20, 1924. Serial No. 738,905. 1 Claim. (Cl. 9—14.)



A water ski comprising a float, a foot receiving compartment arranged thereon, means within the compartment for attaching the foot of the user to the ski, wings depending from the bottom of said ski, and hingedly connected therewith, vertically disposed ribs formed on each wing for the purpose specified, means for preventing said wings from moving forwardly of the ski from a perpendicular position.

1,533,024. SELF-HEATED TOOL. FRED W. MILLER, Seymour, Conn. Filed Apr. 6, 1923. Serial No. 630,286. 5 Claims. (Cl. 158—27.)

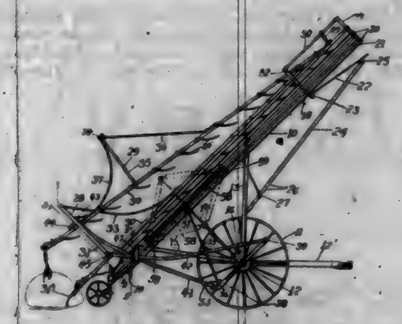


4. In a device of the class described comprising a reservoir, a hollow shank extending therefrom, a burner comprising a tubular body portion having a tubular neck portion at one end the opposite end being open, said tubular neck portion secured to the outer end of said shank, an inwardly extending centrally located member carried by said tubular body portion and formed adjacent the tubular neck portion thereof, said inwardly extending centrally located member having an axial bore forming a combustion orifice, a tubular wick extending from said reservoir, through said hollow shank into said neck portion, a needle valve extending through said reservoir, shank and inwardly extending centrally located member to open and close the combustion orifice, guide means in said tubular neck portion for said needle valve, said tubular body portion provided with spaced apertures in the periphery thereof, means for closing said apertures, a socket member carried by the open end of said tubular body portion, and an implement detachably secured in said socket member, said socket member and implement provided with spaced apertures to provide an exhaust for the gas flames in said tubular body portion.

1,533,025. HAYRAKE LOADER. EDWARD MOWRY, Rock Falls, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Jan. 19, 1921. Serial No. 438,270. 13 Claims. (Cl. 56—382.)

1. In a hay loader, the combination of an elevator frame, carrying wheels therefor, a plurality of reciprocating rake carriers, pitmans pivoted to said rake carriers, and connections mounted to travel concentrically with said wheels and connected to said pitmans, the pitmans engaging fulcrums fixed to said frame, said pitmans being curved substantially throughout their lengths, whereby they ride over the fulcrums for imparting a reciprocating and elevating movement to said carriers.

10. In a hay loader, the combination of an elevator frame, carrying wheels therefor, a plurality of reciprocating rake carriers, a plurality of pitmans connected to



said carriers and operatively connected to said carrying wheels, and a plurality of springs directly connecting said frame to said pitmans for balancing said reciprocating rake carriers.

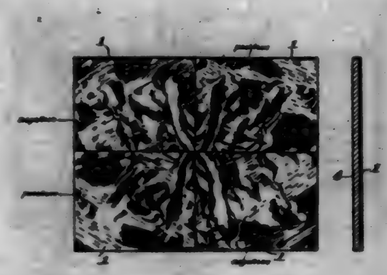
1,533,026. ROLLING MILL. GEORGE J. MURPHY, Buenos Aires, Argentina. Filed May 31, 1924. Serial No. 717,041. 4 Claims. (Cl. 80—24.)



4. A rolling mill including a pair of rolls having contacting spiral ribs and alternating spiral grooves, said rolls having along portions thereof at the grooves, coacting members to produce on the blank rail portions of normal cross section; together with members along the grooves to produce rail portions of reduced height and width at the ends of the normal cross section as well as members to produce on the blank at the said portions of reduced height and width, members to produce zones of less width than the normal but of the full height of the rail portions of normal cross section, and arcuate spiral ribs on one of the rolls, said ribs of increased radius and adapted to bend the base flange at the portion of reduced width, the other roll having depressions registering with the arcuate ribs to accord with the base flange when bent by said arcuate ribs.

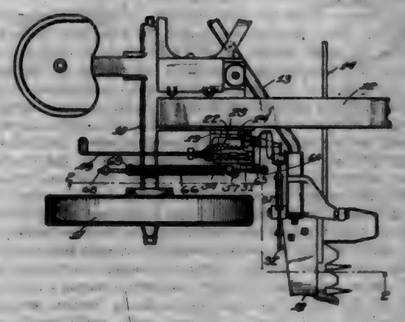
1,533,027. DECORATED OR ORNAMENTAL WOODWORK AND OTHER STRUCTURAL MATERIALS. LEONARD GEORGE NICOLL, London, England. Filed Sept. 6, 1924. Serial No. 736,351. 2 Claims. (Cl. 95—5.)

1. The process of producing decorated structural material which comprises forming a photographic negative of the grain of a naturally occurring material by exposing in a camera a sensitised surface adapted to yield a transparency, forming by projection with the aid of said negative a print on paper coated with a "bromide" emulsion, transferring the exposed bromide emulsion to a sheet of transparent material and using the resulting transparency in forming a contact print in



a light sensitive silver salt emulsion on a temporary support and transferring the print to a surface of the structural material to be decorated.

1,533,028. MOWER. CHARLES PEARSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed June 12, 1920. Serial No. 388,688. 24 Claims. (Cl. 56—285.)



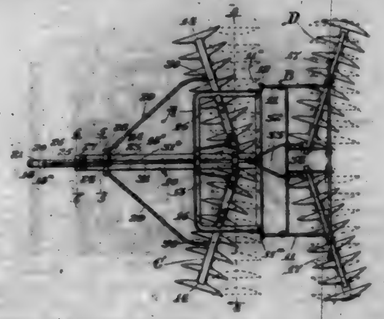
1. A mower including in combination a frame, a cutting mechanism pivotally connected to said frame, a lifting mechanism for said cutting mechanism, a lever for adjusting said lifting mechanism, and manually controlled means for reversing the operating effect of said lever.

21. In a mowing machine, a frame, a cutting mechanism pivotally connected to said frame, an adjusting mechanism for said cutting mechanism, a laterally deflectable and vertically adjustable lever for adjusting said cutting mechanism, and means for normally raising and for preventing lateral movement of said lever.

1,533,029. TRACTOR DISK HARROW. CHARLES W. ROBINSON and WILLIAM C. DWYER, Auburn, N. Y., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Aug. 31, 1922. Serial No. 585,351. 11 Claims. (Cl. 55—88.)

1. In a draft operated angling mechanism for tractor disk harrows, the combination with the draft tongue and gangs, of a draft head slidable back and forth on

the tongue, means for angling the gangs by forward movement of the draft head and straightening the gangs by reverse movement, and a self retaining sildable stop



device on the tongue having a range of movement equivalent to that of the draft head for setting the limit of forward movement of the draft head.

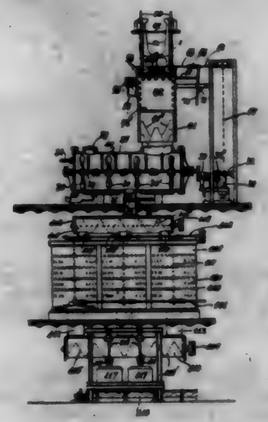
1,533,030. PURIFYING AND FILTERING PROCESS. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands, assignor to Naamloose Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands, a Corporation of The Netherlands. Filed July 26, 1917. Serial No. 182,879. 1 Claim. (Cl. 127—55.)

An improvement in the process of decolorizing and purifying sugar-containing liquid by treating separate batches of such liquid, with finely divided decolorizing carbon, which comprises the steps of adding to the first of a plurality of batches of said liquid containing coloring matter and impurities, a decolorizing carbon containing not substantially less than 90% of actual carbon, figured on the dry basis, in an amount which is at least a multiple of the amount necessary to effect the desired degree of purification of that batch of liquid, and thereafter separating the said decolorizing carbon from the liquid, adding such carbon in its partly soiled condition without intermediate revivification, to another batch of that same liquid, thereafter separating said decolorizing carbon from such second batch of liquid, and repeating such operations upon further successive batches of that same liquid, with the same decolorizing carbon without intermediate revivification thereof, until sufficient degree of purification of substantially more batches of liquid is secured than corresponding to the ratio of amount of decolorizing carbon used to amount necessary for the treatment of a single batch of liquid, without the necisity of subjecting most of said batches of liquid to more than one treatment with decolorizing carbon and one separation treatment, and whereby the time necessary for any filtration of the liquid is greatly reduced.

1,533,031. PROCESS OF REGENERATING DECOLORIZING CARBON. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands, assignor to Naamloose Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands, a Corporation of The Netherlands. Filed July 26, 1917. Serial No. 182,881. 3 Claims. (Cl. 252—8.)

1. A process of regenerating decolorizing vegetable carbon which consists of mixing the substantially spent carbon in the condition in which it has been separated from the material being purified, with an acid of strong character, in amount much more than sufficient to neutralise all alkaline-reacting materials therein, and subjecting the mixture to heat sufficient to cause the acid to remove at least the major part of those impurities therein which caused the loss of activity of such decolorizing carbon, and thoroughly washing the decolorizing carbon with water.

1,533,032. PURIFYING, FILTERING, AND SEPARATING APPARATUS AND PROCESS. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed Mar. 5, 1920. Serial No. 363,366. 31 Claims. (Cl. 210—182.)



1. An apparatus for the purpose set forth, comprising a mixer, a filter in direct communication with said mixer and forming a unitary structure therewith, baffle means located in the path of the liquid between the mixer and the filter to retard the flow, and means for removing deposits from the filter, such deposits being then returned to the mixer.

1,533,033. PROCESS FOR TREATING LIQUIDS. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed Oct. 25, 1922. Serial No. 596,906. 5 Claims. (Cl. 127—48.)

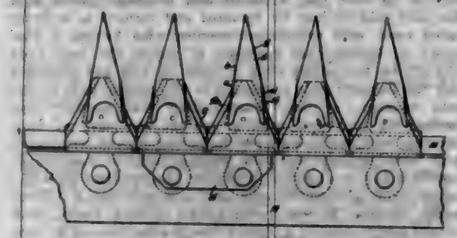
2. In the purification of sugar solutions, the steps of precipitating a substantially insoluble alkaline earth metal salt having strong adsorption properties, in a non-sugary aqueous solution, and thereafter adding such percipitated material, without previously drying the same, to a sugar solution to be purified.

1,533,034. TOY. CHARLES M. SHAILER, Milford, Conn. Filed June 14, 1923. Serial No. 645,372. 1 Claim. (Cl. 46—14.)



A toy comprising a handle, a concavo-convex sounding element provided with a central opening, a hollow head arranged centrally within the concavo-convex member and provided with a threaded shank which passes through the opening and engaged in the handle, the head being of a larger diameter than the shank and contacting with the concavo-convex element, a shaft journaled in the hollow head and projecting beyond the sounding element, and a wind wheel fixed to rotate with the shaft and a striking element carried by the shaft and adapted to engage the sounding element upon rotation of the wheel.

1,533,035. CUTTING MEANS FOR MOWING MACHINES. JOHN W. SHANNOCK, Fort Wayne, Ind. Filed Nov. 2, 1921. Serial No. 512,240. 5 Claims. (Cl. 56—298.)



1. In a cutting means for mowers, a series of spaced apart ledger plates, alternate spaces between adjacent ledger plates being equal in width and adjacent spaces between adjacent ledger plates being of different widths, a cutter bar, cutter blades secured to the bar and corresponding in number with the spaces between adjacent ledger plates, each cutter blade being movable across the space between two adjacent ledger plates.

1,533,036. THREADER BLOCK. JOSEPH M. SHANNON and PAUL J. SHANNON, Norwich, Conn. Filed Apr. 15, 1924. Serial No. 706,750. 3 Claims. (Cl. 139—217.)



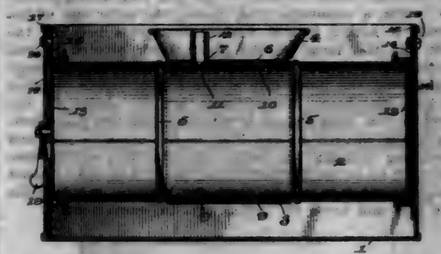
1. A threader block including a plate having means for guiding the thread in a given direction, and a pair of tension plates co-acting therewith, one of said tension plates having a flange acting as a guide, and a plurality of pins extending from the other of the tension plates loosely through the first mentioned plate for holding said tension plates substantially in alignment.

1,533,037. TENSION DEVICE FOR SHUTTLES. PAUL SHANNON, Norwich, Conn. Filed Dec. 18, 1923. Serial No. 681,392. 5 Claims. (Cl. 139—215.)



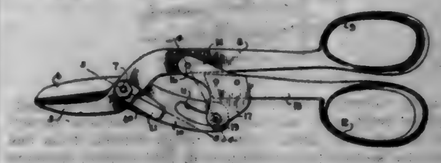
5. In a tension device for shuttles, a plurality of stationary guides, a movable tensioning member formed of a single length of wire formed at one end with a helical coil and provided with a plurality of loops arranged in staggered relation to one another to form a channel for the thread, a pin upon which the coil is mounted, and an elastic member secured to the shuttle and to the end of the wire adjacent the coil.

1,533,038. OIL CONTAINER. HENRY M. SHERR, Quincy, Ill. Filed Jan. 21, 1925. Serial No. 3,868. 7 Claims. (Cl. 158—40.)



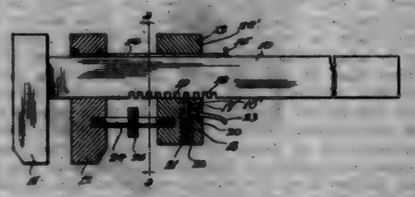
1. The combination of an outer stationary container or tank, an inner rotary container, and a combined band and funnel, the band fitting and surrounding the inner rotary container, and the funnel serving to prevent the band from turning with the rotary container.

1,533,039. MULTIPOWER SHEARS. ADNER SHIRK, Decatur, Ill. Filed Jan. 15, 1923. Serial No. 612,760. 6 Claims. (Cl. 30—13.)



1. A pair of shears provided with a relatively fixed blade having a shank terminating in an integral handle, a relatively movable blade intermediately pivoted thereto and having a relatively short shank, a second handle having a shank with ears secured to opposite sides thereof and extending inwardly and outwardly therefrom, the inwardly extending portions straddling the first-mentioned shank and connected thereto by a pivot pin, the outwardly extending portions of the ears having a roller journaled between them, said short shank having a curved slot in which said roller rides, said slot extending at a progressively increasing distance from said pivot pin.

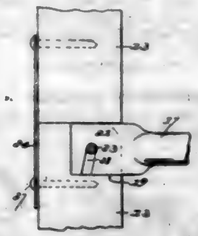
1,533,040. WRENCH. JOHN R. SINGER, Elwood, and JOHN F. BRICE, Bluffton, Ind.; said Singer assignor to said Brice. Filed Aug. 11, 1923. Serial No. 656,767. 1 Claim. (Cl. 81—145.)



A wrench including a shank having a fixed jaw, a movable jaw carried by the shank to cooperate with the fixed jaw; a block adjustable upon the shank, said block having a recess extending at right angles to the shank and a reduced cylindrical bore communicating with the recess, there being a slot formed in the block and ex-

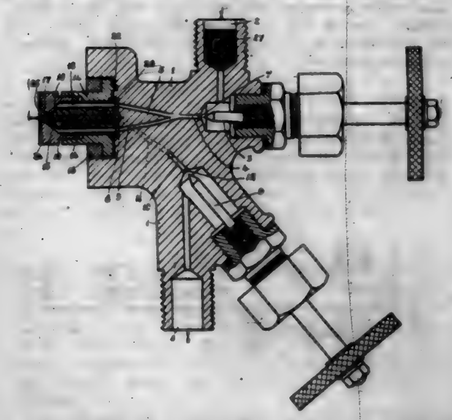
tending from the inner end of the recess through the edge of the block, a pin mounted in the cylindrical bore and adapted to engage the shank and lock the block thereto, an annular flange formed on the pin and fitting within the recess, a removable plug closing the outer end of the recess, a spring housed within the recess between the plug and the flange on the pin, a lever pivoted in and projecting from the slot and having its inner end bearing against the inner face of the flange, means coacting between the block and movable jaw for adjusting the movable jaw with respect to the fixed jaw, and a connecting strap secured to one end of the movable jaw and extending through the block and provided at its free end with an outwardly turned lug adapted to bear against the adjacent face of the block for limiting the movable jaw and said block in their separating movement.

1,533,041. DERRICK. HARRY R. SLATER, Osawatomie, Kans. Filed Aug. 5, 1922. Serial No. 579,920. 6 Claims. (Cl. 20—0.5.)



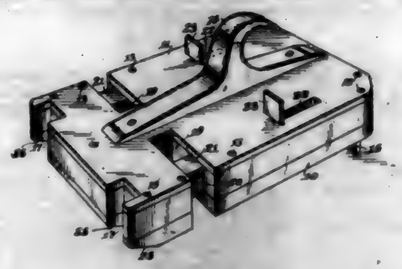
3. In a derrick, a plurality of frame sections in superimposed relation to one another, the said sections including corner posts, girts, each of which extends from one post of a section to another post of said section, elements projecting from the sides of each post engaged by the girts, the said girts of one section being engaged by the superimposed sections for retaining the girts in engagement with the said elements.

1,533,042. BURNER FOR BURNING OIL FUEL. PERCY SLOPER, London, Eng. Filed Sept. 8, 1924. Serial No. 736,565. 6 Claims. (Cl. 158—75.)



2. An oil burner comprising a casting having at its forward end a circular depression of which the base forms a flat seat, said casting having an oil inlet and a plurality of passages extending from said oil-inlet and terminating in said flat seat, said casting also having an inlet for a combustion-supporting gas and a plurality of passages extending from said last-named inlet and terminating in said flat seat at points equi-distant from the outlets of said oil-inlet passages, a cylindrical member of smaller diameter than said circular depression having its rear end flattened and bearing against said flat seat and having its forward end formed as a truncated cone, said cylindrical member also having a plurality of longitudinal passages of which the rear ends align with the outlet ends of said oil and gas passages and the forward ends terminate in the conical part of the said member, a sleeve surrounding said member and having its rear end resting against the base of said circular depression, said sleeve having means associated with said casting and with said cylindrical member to maintain the passages of the latter in alignment with the outlet ends of said oil and gas passages, and a burner nozzle secured to the forward end of said sleeve, said burner nozzle having a conical depression shaped to substantially conform with and receive the forward end of said cylindrical member and also having a discharge passage co-axial with said conical recess.

1,533,043. SPIKE SUPPORTER. MATTHEW SMITH, Winokur, Ga. Filed Sept. 2, 1924. Serial No. 735,455. 1 Claim. (Cl. 1—47.)



A device of the class described comprising a body having a vertical guideway extending therethrough at one side thereof and a longitudinal guideway disposed entirely therein and transecting a portion of the vertical guideway, depending tie engaging spurs on said body, and a plunger movable in said longitudinal guideway.

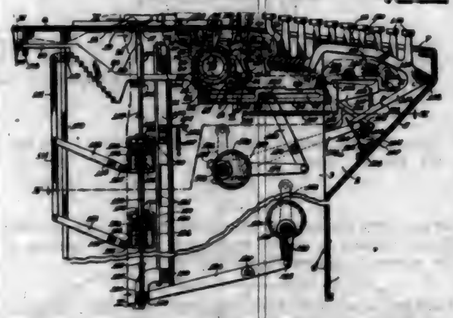
1,533,044. FISHHOOK. SAMUEL W. SMITH, Fullerton, Calif. Filed Mar. 19, 1924. Serial No. 700,268. 3 Claims. (Cl. 43—28.)



1. A device for the purpose set forth comprising a holder having projected from its upper portion a connecting member for securing the holder to a line, said holder apertured at its top and at its bottom, a spring controlled shiftable clutching element arranged within and coacting with the inner face of the body portion and further projecting through and above the apertured top of the latter, and a hanger rod extending through said element and holder and further of greater length than

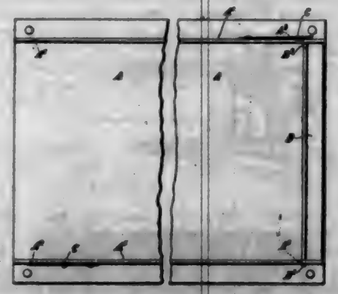
the combined length of said connecting member, element and holder, said hanger rod having its lower end provided with means for connecting a fishing appliance therewith, and said hanger rod further detachably connected to the holder by said clutching element, said hanger rod having a pointed upper end.

1,533,045. ADDING MACHINE. ELIOT S. STAPLES, Iron Mountain, Mo. Filed Mar. 17, 1921. Serial No. 453,035. 7 Claims. (Cl. 235—58.)



7. The combination of a tabulating mechanism, adding and power transmission mechanisms for adjusting said tabulating mechanism, actuators for the adding mechanism, actuators for the power transmission and selective means for each actuator determining the adjustment of said tabulating mechanism, said selective means including latches for holding said actuators, and keys to limit the action of said actuators.

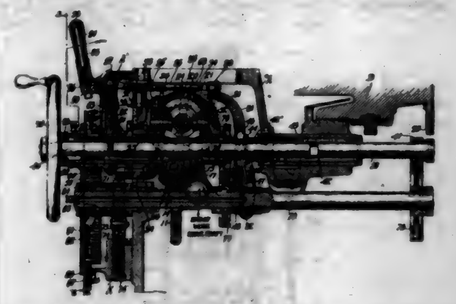
1,533,046. PRINTER'S GALLEY. ALFRED HENRY STOCKALL, Bath, England. Filed July 9, 1923. Serial No. 650,401. 5 Claims. (Cl. 276—40.)



1. In a printer's galley, the combination with the upstanding side walls of a removable end bar engaging the side walls and locking means for said end bar, operable by said end bar to permit the withdrawal and positioning of the bar.

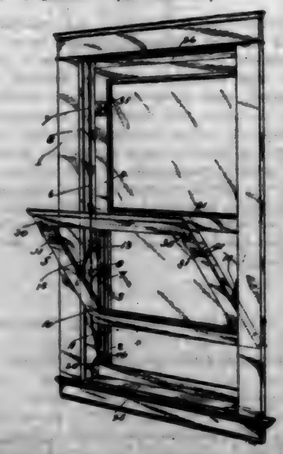
1,533,047. RECIPROCATING GEARING FOR GRINDING-WHEEL CARRIAGES. PAUL STOWER, Waynesboro, Pa., assignor to Landis Tool Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1920. Serial No. 424,890. 31 Claims. (Cl. 74—98.)

31. In combination, a reversing clutch having a reversely movable clutch member, a movable shifter for said member, an independently movable actuator for the shifter means connecting the shifter and the actuator whereby movement of the actuator in different directions relatively to the shifter may cause said clutch member to assume forward, reverse or neutral position, and



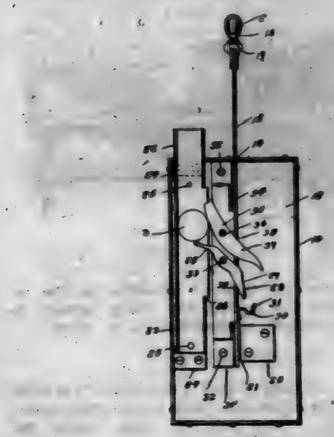
means operative at the limit of movement in the respective directions for holding the clutch member in said respective positions, substantially as set forth.

1,533,048. SLIDING AND SWINGING WINDOW SASHES. MIKE SUSTARSIC and LOUIS FLORJANCIC, Cleveland, Ohio. Filed Jan. 30, 1922. Serial No. 532,661. 4 Claims. (Cl. 20—42.)



4. The combination with a window casing, of upper and lower sashes movable therein, the opposite inner faces of said window casing being provided with horizontally spaced vertical guide grooves, pivot pins carried by said sashes adjacent to their lower ends and movable in said guide grooves, said grooves on each side being connected adjacent to their lower ends by means of inclined slots, and by means of transverse slots, intermediate of their ends, links pivoted at their lower ends to said sashes, pivots in the upper ends of said links, said pivot pins being movable in said vertical grooves, and counterbalance cords connected with said pivots, the pivot pins for the lower end of the lower sash being movable in said inclined grooves into said inner vertical grooves, and the pivots at the upper ends of said links on the lower sash comprising pins movable through said transverse grooves into said vertical inner grooves, the pivots at the upper ends of the links for the upper sash comprising shoes adapted to bridge over said transverse slots, the sides of said casing being also provided with inwardly and downwardly extending grooves, communicating with the lower ends of said inclined and inner vertical grooves, in which said lower pivot pins in said sashes may fall and rotate.

1,533,049. COIN-CONTROLLED OPERATING MECHANISM. WILLIAM W. WATSON, Rogersville, Ala. Filed Apr. 12, 1922. Serial No. 551,838. 4 Claims. (Cl. 194—61.)



1. In a coin-controlled apparatus, in combination with a controlling member normally urged toward its position of operation, a bracket, a detent lever pivoted on the bracket and extending loosely through the controlling member, said lever adapted to receive a coin thereagainst to move said lever out of engaging position with said controlling member when said controlling member moves to its position of operation, means on the controlling member engageable by the detent lever to normally resist effective movement of the controlling member, and means associated with said bracket and said controlling member operable through movement of the controlling member toward said position to move a coin past said detent lever.

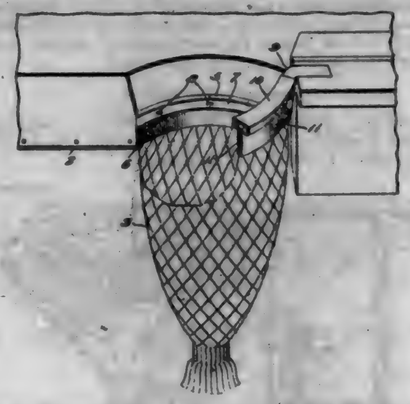
1,533,050. CIGAR HOLDER. FRANK WASCHEK, Hamtramck, Mich. Filed July 20, 1922, Serial No. 576,318. Renewed Jan. 22, 1925. 1 Claim. (Cl. 131—51.)



A cigar holder of the type described, comprising a main tubular section and an extensible tubular section slidably secured within one end of the main section, the opposite end of the main section being so formed as to firmly retain one end of a mouth piece therein and means within the main section for engaging the adjacent end of the cigar within the adjacent end of the mouth piece, said means comprising a plate member adapted for engagement with the cigar and having an operating means externally of the holder for retracting the same therein.

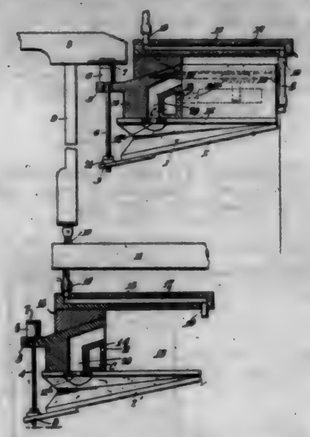
1,533,051. BILLIARD-TABLE POCKET. LESLIE NEAL WELLES, Pineville, Ky. Filed Jan. 26, 1924. Serial No. 688,796. 2 Claims. (Cl. 218—12.)

1. In a billiard-table, the combination with the table bed having a curved pocket recess, an outwardly curved rail, a pocket having its outer edge supported by said outwardly curved rail, and two semi-circular metallic



strips arranged around the upper edge of the circular recess adapted to receive and secure the inner portion of the pocket to the curved recess.

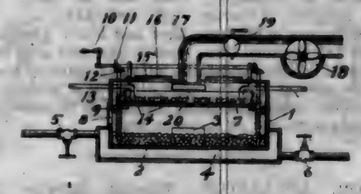
1,533,052. ACTION FOR PLAYER PIANOS. CHARLES A. WHEATLEY, Jeffersonville, Ind. Filed Nov. 13, 1920. Serial No. 423,925. 1 Claim. (Cl. 84—53.)



In a pneumatic action for player pianos, a tube rail formed with passages each connected with a tracker bar opening, a front bar formed with passages, a bellows including a stationary leaf secured below said front bar and a movable leaf connected with said first named leaf, the second named passages communicating with the interior of the bellows member, and a series of valve members all similarly disposed against said front bar and between the tube rail and stationary leaf, said valve members being individually removable and replaceable and each being provided with a diaphragm actuated valve.

1,533,053. METHOD AND APPARATUS FOR REMOVING VOLATILE FLUIDS FROM SOLIDS AND SUBSTANTIALLY NONVOLATILE LIQUIDS. ROBERT E. WILSON, Cambridge, Mass., assignor to Baltimore Gas Engineering Corporation, Baltimore, Md., a Corporation of Maryland. Filed July 22, 1922. Serial No. 576,847. 23 Claims. (Cl. 34—1.)

22. In an apparatus for removing volatile fluids from solids and substantially nonvolatile liquids containing same, a closed vessel, means for heating the lower part of said vessel, cooling means disposed in the upper part of said vessel, a tray containing sorbent material means for receiving and supporting said tray below said cooling



means and means for bringing said tray in close proximity to said cooling means for the purpose of cooling the sorbent material contained in said tray.

1,533,054. UMBRELLA. ABRAHAM WILLIAM WOLFSON, Newark, N. J. Filed Aug. 22, 1924. Serial No. 733,635. 3 Claims. (Cl. 135—28.)



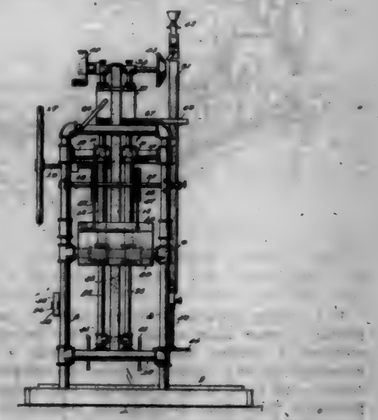
1. In an umbrella, the combination with a rod, a collar on the rod, a cover secured over the collar, a rib fulcrum mounted to move on the rod, ribs connected to the fulcrum and to the cover, a runner on the rod, stays connecting the ribs and the runner, said fulcrums adapted to move into the collar, a pair of rivets or pins projected through the collar and through the rod, and said fulcrum having recesses therein receiving the pins or rivets.

1,533,055. PISTON. GEORGE H. WOODWARD, San Francisco, Calif. Filed May 17, 1922. Serial No. 561,602. 1 Claim. (Cl. 74—108.)



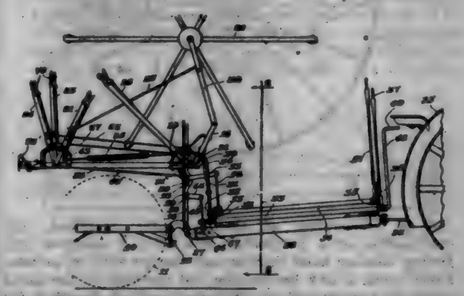
In a piston of the character described, a head and a skirt portion, a pair of wrist pin bosses formed as an integral part of the skirt portion, a pair of interspaced circumferentially disposed ribs formed on the inner face of the skirt and terminating in the wrist pin bosses at points adjacent their upper and lower sides, said ribs being horizontally disposed with relation to the longitudinal axis of the piston, and a pair of vertically disposed ribs, said ribs being cast integral with the piston head, the ring portion of the piston and the wrist pin bosses and extending inwardly into the piston a distance substantially equal to the length of the wrist pin bosses, said vertical ribs and the horizontal ribs forming a five-point support for each wrist pin boss.

1,533,056. ICE-SCORING MACHINE. JOSEPH STEPHENSON YAGER and LYNN STARLING, Greenville, Miss. Filed Aug. 13, 1924. Serial No. 731,834. 8 Claims. (Cl. 125—13.)



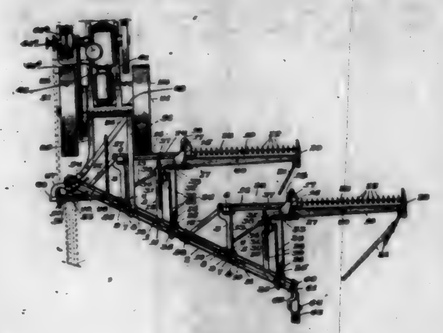
1. In an ice scoring machine, a vertically movable carriage, a motor carried by the carriage, cutters mounted on the carriage causing vertical scores and operatively connected with the motor, cutters for causing horizontal scores, and means on the carriage and driven by the motor adapted to be operatively connected with the horizontal cutters when the carriage has been moved to a predetermined vertical position whereby the horizontal cutters are actuated.

1,533,057. CONTROLLING MECHANISM FOR HARVESTERS. BERT R. BENJAMIN, Oak Park, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed July 19, 1918. Serial No. 245,725. 10 Claims. (Cl. 56—22.)



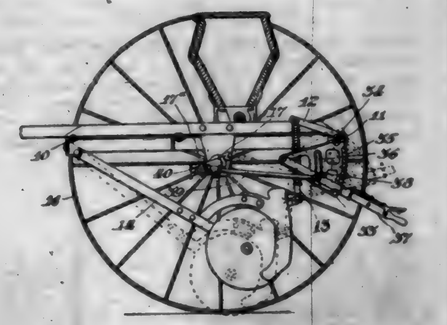
1. In combination, a harvester, adjusting mechanisms carried thereby, a draft member connected to the harvester and adapted for connection to a tractor, and single means supported on said drift member for simultaneously actuating a plurality of said mechanisms.

1,533,058. TRACTOR-OPERATED IMPLEMENT. EDWARD W. BURGESS, Chicago, Ill., assignor, by mesne assignments, to International Harvester Company, a Corporation of New Jersey. Filed Aug. 6, 1915, Serial No. 44,049. Renewed Nov. 1, 1919. Serial No. 335,105. 39 Claims. (Cl. 56—6.)



1. A cutting apparatus for harvesters or mowers comprising a frame made up of separately detachable frame sections, a cutting mechanism including a finger bar connected to and removable from the remainder of the frame with each of said sections, and means for independently connecting said cutting mechanism to a common source of power.

1,533,059. TRACTION-ACTUATED LIFT MECHANISM. SHERMAN W. CADY, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 19, 1924. Serial No. 720,896. 5 Claims. (Cl. 97—244.)

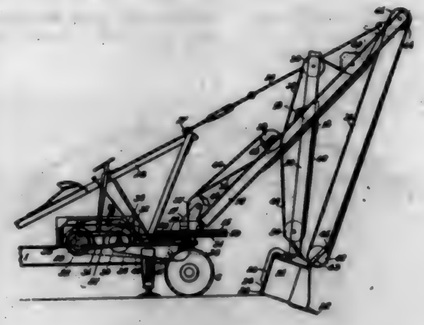


1. In mechanism of the character described, the combination of a horizontal rock-shaft, a radiator projecting member fixed thereon and formed with an arcuate guide track, a link having one end movable on the guide track, means pivoted to the other end of the link for reciprocating it in the direction of its length, the pivot of the link with said means being on the axis of the guide track in one position of said member, and an adjusting lever pivoted on said member for movement in the direction of the guide track and having a loose connection with the link.

1,533,060. METHOD OF TREATING OILS WITH PREPARED CLAYS. IRWIN ARTHUR CLARK, Parco, Wyo., assignor to Producers and Refiners Corporation, a Corporation of Wyoming. Filed Nov. 11, 1924. Serial No. 749,251. 3 Claims. (Cl. 196—147.)

1. A process of treating light and heavy mineral oils, animal and vegetable oils, waxes and fats and similar substances, which consists in mixing a filtering material with the amount of water that will form a mudded mass, without the use of acid of any kind, and intermixing the said mass with the oil to be treated.

1,533,061. EXCAVATOR. RAYMOND DORWARD, Jasonville, Ind., assignor to Insley Manufacturing Company, Indianapolis, Ind., a Corporation of Indiana. Filed Nov. 24, 1923. Serial No. 676,680. 12 Claims. (Cl. 214—135.)



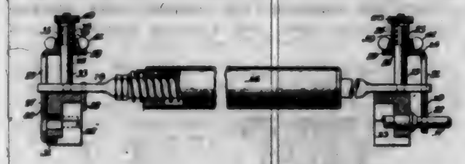
1. In a device of the character described, the combination with a boom, of a dipper handle carrying a dipper and slidably and swingably mounted on said boom, an operating cable for raising and lowering said handle, said cable having a loop therein arranged to pass over a sheave at the rear end of said handle to produce a thrust in one direction on said handle and also engaging the handle at another point to swing the same, and a second operating cable having one end stationarily connected and having a loop therein arranged to pass over a sheave at the forward end of said handle to effect a thrust on said handle in an opposite direction to that of said first mentioned cable.

1,533,062. INK-DISTRIBUTING ROLLER. ARTHUR J. DAANE, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,071. 5 Claims. (Cl. 101—338.)



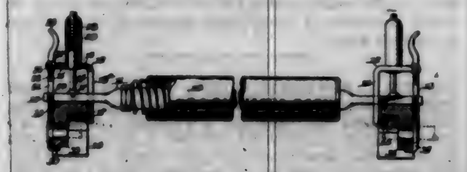
1. In a device of the class described, the combination of a shaft, a roller rotatably mounted upon the shaft, means for moving the roller axially relatively to the shaft, a friction clutch arranged upon the shaft, said clutch being separately connected to one end of said means, resilient means for retaining the clutch elements in contact with each other and in connected relation to said first mentioned means, said shaft being threaded at one end, a threaded member provided upon said end and providing means for moving the first mentioned means relatively to the shaft.

1,533,063. VIBRATOR FOR PRINTING PRESSES. ARTHUR J. DAANE, Chicago, Ill. Filed Oct. 13, 1921. Serial No. 507,487. 25 Claims. (Cl. 101—338.)



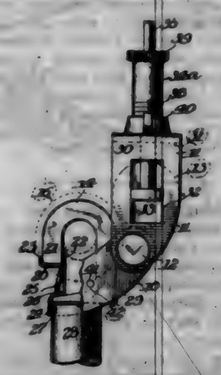
1. An ink distributing roller having means for attaching said roller to a printing press, said means including a member which extends inwardly substantially parallel to the axis of the roller for engaging the under face of that portion which is disposed between the inking rollers of a member to which the inking rollers are secured.

1,533,064. VIBRATOR FOR PRINTING PRESSES. ARTHUR J. DAANE, Chicago, Ill. Filed Oct. 13, 1921. Serial No. 507,488. 24 Claims. (Cl. 101—338.)



1. In a device of the class described the combination of an ink distributing roller and means for permitting said roller to be releasably mounted with respect to a printing press, said means being movable longitudinally with respect to the roller while in associated relation with said roller to effect an attachment of the roller and press.

1,533,065. VIBRATOR FOR PRINTING PRESSES. ARTHUR J. DAANE, Chicago, Ill. Filed Oct. 13, 1921. Serial No. 507,489. 18 Claims. (Cl. 101—338.)



1. In an ink distributing roller for printing presses the combination of a member for removably attaching said roller to the hooked end of a printing roller frame by being moved transversely to the axis of the roller and passed through the mouth of the opening of the hook, said member having means for engaging said hook, said means providing the means for releasably holding said member against separation from the hook when arranged in cooperative relation to the hook.

1,533,066. HINGE LAST. WALTER A. KRENTLER, Detroit, Mich. Filed June 21, 1922. Serial No. 568,463. 3 Claims. (Cl. 12—136.)



1. A two-part last, having a heel part and a forepart formed and connected for relative movement, a plurality of link members uniting said parts, and a central pivot uniting the link members and said last parts, in combination with a spring element holding said last parts united under a tension sufficient to compensate for looseness and wear.

1,533,067. SPRUE PLATE FOR INGOT MOLDS. HARRY MCNELLY, Claymont, Del. Filed Mar. 26, 1924. Serial No. 702,071. 2 Claims. (Cl. 22—141.)



1. The combination of a sprue plate for casting ingots, having a deep well; a sprue located above the well; and ingot molds, the plate having passages connecting the molds with the upper portion of the well, the well being so proportioned that the ebullitions of the metal, due to the pouring and to the heat, are confined to the center of the well, the metal at the edge of the well flowing quietly into the passages leading to the molds without bubbling.

1,533,068. DISPLAY PLATE FOR AUTOMOBILE BUMPERS. WILLIAM F. MARTIN, Baldwinsville, N. Y., assignor to Penn Spring Works Inc., Baldwinsville, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,616. 5 Claims. (Cl. 293—55.)



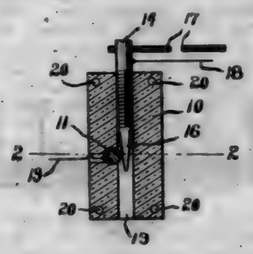
1. The combination with spaced bumper bars for automobiles, of a main plate engaging the bars above and below the space and provided with a sight opening registering with said space, a display plate mounted in the first named plate across the sight opening, and means for clamping the first named plate to the bars and the display plate to the first named plate.

1,533,069. TIE-PLATE FOR AUTOMOBILE BUMPERS. WILLIAM F. MARTIN, Baldwinsville, N. Y., assignor to Penn Spring Works Inc., Baldwinsville, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,617. 2 Claims. (Cl. 293—55.)



1. An automobile bumper comprising lower, upper and intermediate bars in spaced relation, and a tie plate section having beveled faces engaging between and against the adjacent edges of said bars.

1,533,070. DETECTOR. THOMAS E. ARUNDEL, Omaha, Nebr., assignor of one-fourth to Guy D. Shipherd and one-fourth to William H. Metcalfe, both of Omaha, Nebr. Filed May 26, 1924. Serial No. 715,959. 3 Claims. (Cl. 250—30.)



1. A detector comprising an insulating block, a cylindrical electrode secured in said block, said block having an opening therethrough disposed at an angle to the axis of said cylindrical electrode, a second electrode threaded in said aperture and having a tapering point adapted to traverse one side of said cylindrical electrode, and means for axially shifting said second electrode to vary the relation between the tapering point of the second electrode and the cylindrical surface of the first electrode.

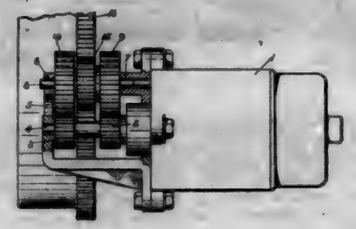
1,533,071. TRACK ALIGNING AND SPIKING DEVICE. CHARLES A. PIERSON, Sharon, Pa. Filed Oct. 18, 1923. Serial No. 669,419. 3 Claims. (Cl. 254—44.)



1. A device for assisting in moving a track and spiking rails and ties together, which includes a plate, the plate having at one end a cut-away trough.

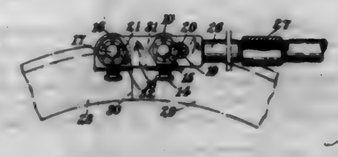
1,533,072. ELECTRIC STARTER. CARL P. BROCKWAY, Toledo, Ohio, assignor to Industrial Research Corporation, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 22, 1920. Serial No. 418,805. 4 Claims. (Cl. 74—7.)

1. In a starter drive for an engine having a shaft and a gear connected therewith, and a starting motor having a stub shaft driven by the motor, a plurality of spaced gears on said shaft, a second auxiliary shaft associated with said starting motor having a plurality of similarly spaced gears thereon, an arc-shaped guide for said last mentioned shaft concentric with said first mentioned stub shaft, and a pinion carried by said



second mentioned shaft intermediate said gears thereof and adapted to mesh with the gear connected with the engine, said spaced gears on said two shafts meshing, the mechanism arranged to cause said pinion to engage said gear on the engine upon the starting of the motor by bodily movement of said second mentioned shaft in said arc-shaped guide.

1,533,073. RIM-CONTRACTING DEVICE. WALTER HENRY WELCH, Bristol, England. Filed June 20, 1923. Serial No. 646,633. 4 Claims. (Cl. 157—1.)



1. In a rim-tool, the combination of a pair of gripping devices adapted to be secured on one edge of a rim and to extend away laterally therefrom, a pin extending laterally from each of said gripping devices, a link having rotative engagement with one of said pins, and having a slot formed therein, a sleeve having rotative engagement with the second of said pins, and having sliding engagement with said slot, a compressing spring operative along the length of the link on said sleeve and normally maintaining it at one end of said slot and means for swinging said link angularly about said pins, substantially as described.

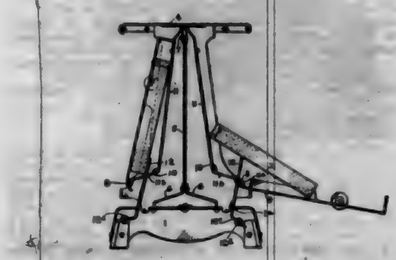
1,533,074. FLOOR AND PROCESS OF LAYING FLOOR. ANSEL C. DEMMING, Johnson City, N. Y.; Workers Trust Company, administrator of estate of Ansel C. Demming, deceased, assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed Oct. 4, 1920. Serial No. 414,461. 6 Claims. (Cl. 20—7.)



2. A floor formed of strips of fibrous material standing in abutting relation edge up and comprising transverse connecting strips with which said first mentioned

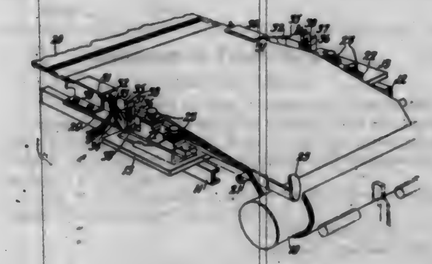
strips are interlocked, said floor being formed of blocks of the aforesaid construction with the joints broken and with some of the connecting strips extending into the adjacent blocks whereby the blocks are interlocked.

1,533,075. TOASTER. ALBERT J. LINDEMANN, Milwaukee, Wis., assignor to A. J. Lindemann & Haverson Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Oct. 18, 1923. Serial No. 669,242. 6 Claims. (Cl. 53—5.)



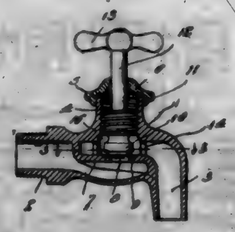
5. A turning device adapted to be mounted between the heating element and the door of a toaster or the like, comprising a member mounted to swing between said heating element and door and means independent of the door for its operation for causing it to swing outwardly.

1,533,076. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 26, 1921. Serial No. 448,047. 22 Claims. (Cl. 197—126.)



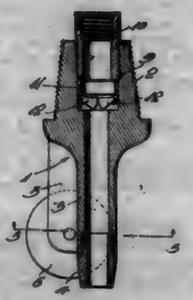
1. In a typewriting machine, in combination, a platen, means co-operating therewith to feed a fan-fold web, a carbon-carrier for use in withdrawing carbon-sheets from a typed portion of the fan-fold web, and smooth-trimming means exterior to the web and connected to the carbon-carrier and rendered effective by a relative shifting movement of said carbon-carrier, and trimming off a portion of the folded side edges on each side of a section of said fan-fold web, prior to typing on said section, disconnecting the superposed plies of said web to an extent corresponding to the range of movement of said carbon-carrier and forming smooth edges upon the disconnected sections of the plies, and leaving the remainder of the web uncut, preparatory to further typing operations thereon.

1,533,077. FAUCET. GEORGE S. BENNETT and LOUIS L. BENNETT, Massena, N. Y. Filed May 26, 1922. Serial No. 563,800. 1 Claim. (Cl. 251—155.)



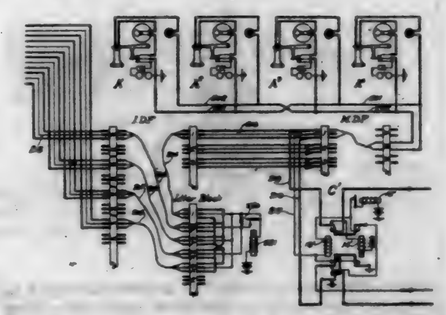
The combination in a faucet of a casing having a receiving end portion and a discharge spout and an upstanding interiorly and exteriorly threaded housing and also having an apertured diaphragm with a valve seat thereon and a wall isolating the upper side of the said diaphragm from the receiving end portion, and an apertured annular wall arranged about the valve seat and extending between the diaphragm and the top of the casing and spaced within from the valve head and the valve seat and spaced without from the body portion of the casing, whereby two concentric annular chambers are formed in communication with the receiving end of the discharge spout, a valve head opposed to the valve seat and having a stem with a lower threaded portion engaging the interiorly threaded portion of the housing and an upper reduced portion terminating in a handle, and a gland threaded on the housing receiving the said reduced portion of the stem and adapted to retain packing about the stem.

1,533,078. HYDRAULIC ROTARY CORE-TAKING DEVICE. LEE J. BLACK, Beaumont, Tex. Filed Dec. 8, 1923. Serial No. 678,204. 2 Claims. (Cl. 255—71.)



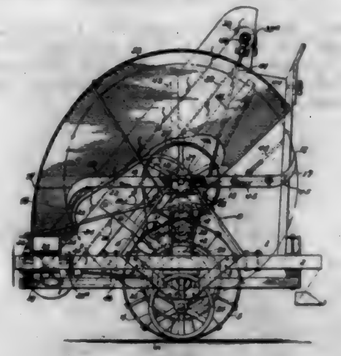
1. In a device of the class described comprising a body having a longitudinal bore extending therethrough, the upper end of which is increased in diameter and screw-threaded, ribs on opposite sides of the body extending tangentially therefrom in opposite directions, rotary disk-cutters carried by said ribs, the lower portion of said body being reduced in diameter and being equipped with a renewable extension disposed beyond the peripheries of said cutters, a valve housing fitted into the enlarged upper portion of said bore, and a pair of flap-valves pivoted in the housing.

1,533,079. AUTOMATIC TELEPHONE SYSTEM. RODNEY G. RICHARDSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1920, Serial No. 356,803. Renewed July 16, 1924. 24 Claims. (Cl. 179—17.)



1. In a telephone system, a calling line, a called party line, an automatic connector switch, a plurality of branches of the called line accessible to said switch, each branch comprising two line conductors and a third conductor, means whereby a subscriber on the calling line can operate said switch to connect with any one of said branches, ringing current generators of different frequency, a circuit including said third conductor and excluding any line or talking conductor involved in the connection, and mechanism in said connector selectively controlled over said circuit to select the proper generator to selectively signal a desired station on the called line.

1,533,080. CORN HARVESTER. DAVID G. SCLANDERS, Weenen, and MERVYL S. SPARKS, Klip River, Natal, South Africa. Filed Jan. 20, 1920. Serial No. 352,705. 10 Claims. (Cl. 56—116.)



8. In a corn harvester, the combination with frame-work, of a revoluble shaft mounted thereon, a plurality of blades carried by and rotatable with said shaft, a plurality of collars between said blades and rotatable with the shaft, a plurality of guide bars spaced apart and permitting passage of the blades between them, said guide bars being secured at their rear lower ends to the frame-work and having loops at their forward upper ends, said loops mounted freely on the collars on said shaft, and means for rotating said shaft.

Patents Nos. 1,533,081 to 1,534,016.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
ISSUE OF APRIL 14, 1925	233
AMENDMENT TO TRADE-MARK RULES	250
INTERFERENCE NOTICE	250
DISCLAIMER	250
ADJUDICATED PATENTS	250
ADVERSE DECISIONS IN INTERFERENCE	250
APPLICATIONS UNDER EXAMINATION	250
COMMISSIONER'S DECISIONS—	
Ex parte Buehler	251
Ritzler v. Francis H. Leggett & Co.	251
DECISIONS OF THE U. S. COURTS—	
Pyrene Mfg. Co. v. Boyce et al.	252
PATENT SUITS	255
TRADE-MARKS PUBLISHED (269 APPLICATIONS)	257
TRADE-MARK REGISTRATIONS GRANTED	305
TRADE-MARK REGISTRATIONS RENEWED	318
LABELS	319
PRINTS	321
REISSUES	323
DESIGNS	323
PATENTS GRANTED	326

Issue of April 14, 1925.

Trade-Marks	331—No.	197,133 to No.	197,463, inclusive.
T. M. Renewals	31		
Labels	51—No.	28,580 to No.	28,630, inclusive.
Prints	10—No.	7,905 to No.	7,914, inclusive.
Reissues	2—No.	16,042 to No.	16,043, inclusive.
Designs	62—No.	67,003 to No.	67,064, inclusive.
Patents	936—No.	1,533,081 to No.	1,534,016, inclusive.
Total	1459		

Amendment to Trade-Mark Rules.

(ORDER No. 2,903.)

U. S. PATENT OFFICE, *Washington, Apr. 4, 1925.*

Acting under the provisions of section 26 of the act approved February 20, 1905, Rule 69 of the rules of the Patent Office governing the registration of trade-marks is amended as follows:

Lines 5 and 6 cancel "signed by the Commissioner, under the seal of the Patent Office."

KARL FENNING,
Assistant Commissioner.

Interference Notice.

U. S. PATENT OFFICE, *Washington, Mar. 23, 1925.*

John M. Flottman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by John M. Flottman, 160 Eddy Street, San Francisco, Calif., and applications for patents filed by Frank H. Burns, 57 Elm Street, Hoosick Falls, N. Y.; Joseph H. Cole, Penacook, Merrimack County, N. H.; Ralph A. Krause, 4936 North 12th Street, Philadelphia, Pa.; Thomas Rhodus, 835 Junior Terrace, Chicago, Ill.; Joseph A. Rostron, 16 Palmer Street, Cambridge, Mass., and William Charles Ude, 259 Thomas Street, West Haven, Conn., and a notice of such declaration sent by registered mail to said John M. Flottman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Flottman, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimer.

1,515,007.—*Abraham S. Behrman*, Chicago, Ill. BARB-EXCHANGE MATERIALS AND PROCESS OF MAKING SAME. Patent dated November 11, 1924. Disclaimer filed March 28, 1925, by the assignee, *International Filter Company.*

Hereby enters this disclaimer—

"To claims 11, 12, 13, 14, and 15."

ADJUDICATED PATENTS.

(C. C. A. Oreg.) The Shope patent, No. 985,709, for method of forming waterproof-faced cement block, *Held* not infringed. *Ward v. Shope Brick Co.*, 3 F. (2d) 244.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,308,964, F. A. Stevens, Ophthalmic mounting, decided March 2, 1925, claim 1.

Pat. 1,333,949, C. J. Travers, Base for chairs, etc., decided March 2, 1925, claim 8.

Pat. 1,377,765, J. W. Æ. Elling, Revolving suction strainer, decided March 26, 1925, claims 1, 2, 3, 4, and 6.

Pat. 1,405,175, G. A. Yanochowski, Telephone system, decided March 6, 1925, claims 1 and 5.

Pat. 1,423,766, Hechenbleikner and Oliver, Method of treating sludge acids, decided March 3, 1925, claims 1, 2, 3, 4, 10, and 12.

Pat. 1,423,767, Hechenbleikner and Oliver, Method of treating sludge acids, decided March 3, 1925, claim 1.

Pat. 1,481,209, A. A. Kauffman, Bridge tooth and lock in backing, decided March 2, 1925, claims 2 and 3.

Pat. 1,500,214, J. E. L. Ogden, Liquid pump and elevator, decided February 21, 1925, claim 1.

Pat. 1,517,022, T. S. Shibe, Baseball, decided March 28, 1925, claims 1, 2, and 3.

Condition of Applications Under Examination at Close of Business April 3, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 49,794; Trade-Mark Division, 3,307. Oldest new case, Oct. 3, 1924; oldest amended, Oct. 3, 1924. The dates given are 1924 except where † indicates 1925.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	Number of cases ready for action.
110	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry Plows; Planting; Scattering Unloaders.	Dec. 4	Dec. 4	726
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Dec. 30	Dec. 16	501
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Mar. 3	†Jan. 5	208
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Dec. 12	Dec. 4	636
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Oct. 11	Nov. 3	965
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Nov. 17	Oct. 29	979
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 1	Dec. 1	1,099
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 1	Dec. 1	1,512
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 6	Dec. 26	596
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Nov. 24	Dec. 4	1,031
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Jan. 5	†Jan. 2	736
380	12. PIERCE, P. F., Machine Elements	Dec. 4	Dec. 6	825
134*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 1	Dec. 2	1,185
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Nov. 11	†Jan. 13	360
229	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Nov. 26	Nov. 26	1,110
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Oct. 10	Oct. 9	1,160
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 23	†Feb. 3	424
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 4	Oct. 11	902
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Nov. 25	†Jan. 28	560
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Nov. 10	Nov. 22	917
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Nov. 6	†Jan. 8	442
106	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Dec. 8	Dec. 26	845
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 3	Oct. 30	451
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 5	Dec. 27	627
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Jan. 15	†Jan. 9	690
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 9	Oct. 9	796
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 8	Dec. 19	781
225	28. BENSON, A. R., Internal-Combustion Engines	Dec. 15	Dec. 16	790
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 10	Oct. 20	1,102
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Dec. 5	†Jan. 23	964
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Jan. 7	†Jan. 8	922
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 4	Dec. 4	756
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Jan. 15	†Jan. 13	766
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 9	Dec. 10	640
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Nov. 26	†Jan. 10	632
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Nov. 24	Oct. 14	1,336
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 16	Oct. 6	1,272
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 4	Oct. 7	993
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 15	Dec. 15	497
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 13	Nov. 8	1,812
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Nov. 24	Dec. 20	548
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Oct. 14	Oct. 13	1,218
134*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Nov. 6	Nov. 6	921
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Oct. 7	Nov. 18	815
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Nov. 17	Nov. 20	706
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 20	Oct. 20	801
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Nov. 11	Nov. 10	1,458
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Oct. 4	Oct. 6	1,643
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 6	Dec. 12	768
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Oct. 3	Oct. 3	1,416
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Oct. 24	Oct. 21	2,188
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 2	†Jan. 15	846
112	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Oct. 15	Oct. 16	1,174
102	Designs: C. O. MARKHAM (Acting)	†Mar. 13	†Mar. 13	386
103	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. — Trade-Marks	†Mar. 2	†Mar. 14	1,033
	Labels and Prints	†Mar. 3	†Mar. 17	274

Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

Ex parte Buehler.

Decided March 18, 1925.

Forfeiture and Renewal of Application within Six Months After Notice of Allowance.

An applicant may file an application for renewal at any time within the six months following the notice of allowance if, with the consent of the assignee, if the application be assigned, he waives the benefit of the remainder of the six months.

On petition.

Mr. Rudolph Wm. Lotz for applicant.

Robertson, *Commissioner:*

A petition to renew this application has been filed less than six months after the date of the notice of allowance. There has also been filed a waiver of "the further or unexpired portion of the period of six months from date of allowance," and a request that the application "be taken as forfeited from the date of the petition for renewal."

Section 4885, Revised Statutes, provides that, if the final fee be not paid within six months from the date of the notice of allowance, "the patent shall be withheld"; and section 4897, Revised Statutes, provides that any person who has an interest in an invention for which a patent was ordered to issue upon the payment of the final fee, but on which the fee was not paid within six months from the date of the notice of allowance, shall have the right to make an application for a patent for such invention or discovery the same as in the case of an original application.

These provisions were obviously made for the benefit of the applicant, and as the statute does not forbid the acceptance of a renewal within the six months, no reason is seen why an applicant should not be allowed to waive this benefit if he so desires, and to allow the application to become forfeited and be renewed at any time within six months. It may be noted that the same result would be accomplished if the applicant should file a new application for the same invention, and therefore abandon the second application. The Government fee would be the same in both cases; but the applicant would be put to the expense of preparing new papers and there would be a duplication of the Patent Office records. No necessity is seen for requiring such additional expense and duplication of records. Furthermore, the acceptance of a petition for renewal prior to the expiration of the six months will expedite the issuance of the patent and is therefore to the interest of the public.

If there has been an assignment it is thought that, in order to avoid any possible question of the attorney's authority, the petition and waiver should be ratified by the assignee.

The conclusion reached above is contrary to that reached in the decisions in *ex parte Manny*, 44 O. G. 700; 1888 C. D. 106; *ex parte Nicholson*, 52 O. G. 310; 1890 C. D. 112; *ex parte Schultz*, 111 O. G. 2494; 1904 C. D. 366; and those decisions are hereby overruled.

It is directed that the petition for renewal be accepted and the case forwarded for examination.

Ritzler *v.* Francis H. Leggett & Co.

Decided October 13, 1911.

1. Trade-Mark—Interference—Appeal—Brief.

Where on appeal from an adverse decision of the Examiner of Interferences appellant filed its brief only four days before the hearing, it could not be considered, but was stricken from the files.

2. Same—Title to Mark—Continuation of Business with Use of Mark of Defunct Corporation.

Where R. was in business from 1903 to 1921, continuously using the mark in issue, but from 1906 to 1908 the business was conducted by a corporation which went into the hands of a receiver and had its charter canceled in 1914, *Held* that since it clearly appeared that R. conducted the business himself from 1914 to 1921 that was sufficient to establish title in him prior to the 1918 title of appellant, although there was no documentary evidence of a transfer of the title from the corporation to R.

Appeal from Examiner of Interferences.

Mr. Arthur E. Wallace for Ritzler.

Mr. Samuel D. Jones and *Messrs. Mason, Fenwick & Lawrence* for Francis H. Leggett & Co.

Fenning, *Assistant Commissioner:*

This is an appeal from the decision of the Examiner of Interferences holding that applicant is entitled to the registration of his mark.

[1] Appellant filed its brief only four days before the hearing and it can not therefore be considered, but is stricken from the file.

Appellee filed a brief, but did not argue the case.

[2] The sole issue involved is the question of appellee's title to the mark. Appellant has a registered trade-mark, and since no testimony was taken it is confined to its record date of 1918. The evidence indicates that Ritzler has been in business since 1903, continuously using the mark in issue. From 1906 to about 1908 the business was conducted by a corporation which went into the hands of a receiver and had its charter formally canceled in 1914. There seems to be no documentary evidence of a transfer of the title from the corporation to Ritzler, but it clearly appears that Ritzler has conducted the business himself since 1914, and that is sufficient to establish title in him prior to the 1918 title of appellant.

The decision of the Examiner of Interferences is affirmed. Charles E. Ritzler is entitled to the registration for which he has made application.

On rehearing December 5, 1921.

This is a petition for rehearing filed by Leggett & Company, to which no response has been made by Ritzler.

It is urged that my decision of October 13, 1921, was in error in finding title to the trade-mark in issue in Ritzler. The facts in the case are sufficiently set out in that decision; but it is urged that the right to register the mark rests only in the receiver and that—

the circumstances were in reality such that Mr. Ritzler either appropriated valuable assets in contempt of court or conducted the business for the benefit of all creditors as the employee of the receiver.

I am unable to reach this conclusion from the evidence in the case. In answer to question 23 Mr. Ritzler said:

The company went into the hands of a receiver in 1911 and I purchased.

In response to cross-question 37 he explains that he had an understanding with the court that he was to "acquire the use of the business, by the disposition of the obligations."

Another witness employed as a salesman selling the goods on which the mark is used describes himself as an employee of Mr. Ritzler—not of the receiver.

The company surrendered its charter in 1914. I am unable to believe that a receiver may continue as a going business for seven years the affairs of a corporation which is out of existence by the surrender of its charter. No cases in this respect have been cited to me, and the textbooks and digests seem to indicate that the function of a receiver when a corporation is dissolved by the surrender of its charter is merely to wind up the business and not to continue the business as a going concern. The evidence seems to indicate that the proper procedure was followed in the present case and that Mr. Ritzler conducted the business and is its owner, at least since the dissolution of the corporation in 1914, if not since 1911, when he says he purchased. The reference to the receiver in the record, in so far as he still exists, indicates that he is merely "serving nominally"; from which it may be assumed that instead of being a receiver conducting the business he is merely prepared to liquidate some of the assets.

The petition for rehearing is denied.

U. S. Circuit Court of Appeals—Third Circuit.

PYRENE MFG. CO. *v.* BOYCE ET AL.

Decided July 11, 1923; rehearing denied October 4, 1923.

[292 Fed. Rep. 480.]

1. "INVENTION" DEFINED.

"Invention" is a concept or thing evolved from the mind and is not a revelation of something which existed and was unknown, but the creation of something which did not exist before, and possessing elements of novelty and utility in kind and measure different from and greater than what the art might expect from skilled workers.

2. INVENTION—NEW AND UNEXPECTED RESULT—FAVORABLE RECEPTION BY THE PUBLIC.

Where by placing the bulb of a thermometer in the air space within the inlet of a radiator for an internal-combustion engine quick signals were obtained that would not be given if the bulb were placed in the water in the radiator and where the device was at first ridiculed and then adopted by manufacturers and accepted by the public to an enormous extent, *Held* that invention was involved.

3. EVIDENCE OF PRIOR USE MUST BE CLEAR AND SATISFACTORY.

Evidence of prior use, which will negative novelty under Revised Statutes Section 4886 (Comp. St. sec. 9430), must be clear and satisfactory, and every reasonable doubt should be resolved against the one raising the question.

4. PRIOR USE—ABANDONED EXPERIMENTS.

Where alleged prior users of the invention did not intend, and did not observe in their devices, the things intended and accomplished by the device of the patent in suit, *Held* that they did not have B.'s inventive conception and, failing to find it, they abandoned their devices before they had passed the stage of experimentation.

APPEAL from the District Court of the United States for the District of New Jersey; Joseph L. Bodine, judge.

Suit by Harrison H. Boyce and another against the Pyrene Manufacturing Company. From a decree for plaintiffs (290 Fed. 998) defendant appeals. Affirmed.

Mr. Francis B. Bracken (*Mr. Frederic P. Warfield* and *Mr. L. A. Watson* of counsel) for the appellant.

Mr. Charles Neave, Mr. Edmund Quincy Moses, and *Mr. Joseph H. Milans* for the appellees.

Before BUFFINGTON, WOOLLEY, and DAVIS, Circuit Judges.

WOOLLEY, *Cir. J.:*

The respondent appeals from a decree of the district court holding valid and infringed Letters Patent No. 1,000,776, issued March 17, 1914, to H. H. Boyce for an indicating system and apparatus for internal-combustion engines. All claims are in suit. Infringement is denied and the validity of the patent is challenged mainly on grounds of anticipation, prior use, and lack of invention.

The patent apparatus is the small thermometric device positioned in the top opening of the radiator of a motor car, familiar to automobilists. Claim 2, a typical claim, reads as follows:

In a system for indicating abnormal conditions in an internal combustion engine provided with a liquid circulation cooling system for the cylinders of the engine, said cooling system including a radiator having an air space at the top thereof, the combination with the radiator of an indicating device having an indicating part outside the radiator and having a temperature responsive element controlling the operation of said indicating part and exposed to the temperature in said air space above the level of the liquid in the radiator and means for maintaining the temperature responsive element in place in the radiator during the normal operation of the engine.

The respondent says that this claim, stripped of its technical wording, discloses nothing more than a thermometer stuck through the radiator cap of an automobile. On first view this would seem to be true. It further urges that the only function of the thermometer, so positioned, is the ordinary one of showing the temperature inside. This would seem to be obvious. The respondent therefore maintains that in placing a thermometer in a cooling system to determine the heat of the engine nothing of invention is involved. This, too, was our first impression. But on closer examination of the patent it appears that a purpose is intended and, by reason of the particular location of the device, a result is obtained different from and definitely more useful than the mere registration of heat.

[1] On the major issue of validity we shall first inquire whether the conception for which the patent was granted involves invention. Because of the lack of a definite rule, questions of this kind are often perplexing. It is a trite saying that invention defies definition. Yet, through long use, the word has acquired certain characteristics which at least give direction to its meaning. Invention is a concept; a thing evolved from the mind. It is not a revelation of something which exists and was unknown, but is the creation of something which did not exist before, possessing the elements of novelty and utility in kind and measure different from and greater than what the art might expect from its skilled workers.

The inventive conception of the patentee is substantially as follows:

First, the invention relates to a system for indicating the condition of internal-combustion engines of the type wherein the cylinders are cooled by a fluid medium (water or alcohol) circulating around them. While the invention is generally applicable to stationary explosive engines, it is especially adaptable to automobile engines whose cylinders are cooled by a liquid delivered and thermally stabilized by a suitable medium such as a radiator placed some distance from the engine. Although the invention is not limited to the latter use, we shall for convenience speak of it as an automobile accessory.

Next, the invention is based on the known construction of internal-combustion engines and on known conditions arising from them, and particularly on changes in temperature of the engine and cooling system. A combustion engine generates much heat. When possible, overheating should be avoided. This condition may be due to a variety of things as, for instance, operating with the throttle wide open and the spark retarded, insufficient lubrication, frozen or clogged pipes, insufficient water, loose fan belt, defect in pump whereby the circulation of the cooling medium is arrested. The invention of the patent does not correct any of these evils. Its purpose is to disclose them, and to disclose them to the operator of the machine in time for him to correct them before injury results. The patentee, therefore, has aptly named his invention an "indicating system and apparatus."

Finally, the inventive conception of the patent is embodied in the familiar little device, circular in shape, boxlike in character, the front and rear made of glass, the front open and the rear closed (except for an open circle at the top), inclosing what the patentee terms a "temperature responsive element" (which for our purpose is a thermometer of magnifying glass and colored alcohol visible through the open face) extending down through a threaded and perforated prong. The device is commercially known as "Boyce Moto Meter." Lying in one's hand it looks like a thermometer of unusual design and suggests nothing of invention. When in use, however, the device is substituted for the inlet cap at the top of the radiator and is screwed upon the inlet opening. Its protuberant part or prong, enveloping the bulb of the thermometer, extends into the air space or pocket above the level of the liquid in the radiator where the bulb is exposed to and its action regulated by the temperature of the air within.

Postponing for later discussion the question of prior use, we shall here dispose of any question of anticipation by prior patents by announcing our conclusion, in harmony with that of the Circuit Court of Appeals for the Second Circuit in *Boyce v. Stewart-Warner Speedometer Corporation,* 220 Fed. 118, 136 C. C. A. 72, that all references having to do with temperature indicators whose parts are immersed in the circulating fluid or attached to the machinery itself are so different in construction and mode of operation from that of the patent that they play no part in the case. We are also in accord with the Circuit Court of Appeals for the Second Circuit that, before the invention in suit, there was no thermal indicating device shown by the evidence which was positioned in a like air space below the opening of the radiator and which depended upon the temperature to which it was there exposed as the source of the information which it carried above and disclosed. We have paused to lay stress on the position of the lower extremity of the thermometer in the air space above the level of the liquid in the radiator because, if there is invention in the system and apparatus of the patent, it must be found in the selection of the air space of the radiator inlet as the place for the novel behavior of the thermometer.

On first view this place would seem to be of little importance. Yet it developed that it has distinctive characteristics of which the patentee took advantage and of which, apparently, no one else had thought. They are these:

It has been found from experience that internal-combustion engines work best at a temperature of about 180 or 190 degrees. It is also known that, from their very nature, they are inclined to overheat. To meet these conditions of heat requirement and heat production, cooling systems were provided in which, ordinarily, water was employed as the cooling fluid. But here was a problem, of keeping the water cool enough to prevent overheating yet warm enough not to arrest the proper action of the engine. This problem was solved by a circulation cooling system in which a radiator is the controlling element. When the radiator receives the heated water it is cooled to a proper

temperature by radiation, it is then returned to the cylinder jackets to perform its cooling function, it is heated again, and again returned to the radiator, and so on indefinitely. Thus it happens that in the cooling system the water is of different temperatures according to where it is and what it is doing. It also happens that up to a certain point there is a difference in the temperature of the water and the temperature of the air in the space or pocket at the inlet. The air space heats up slowly and there is a lag in temperature. The temperature of the water may be as high as 205 and the temperature of the air space may be, and usually is, 20 or 30 degrees lower. But should the temperature of the water rise to 212 and the water boil, steam will be emitted and immediately the temperature of the air space will rise from its previous low degree to that of steam. The effect on the thermometer bulb in the air space will be instantaneous, resulting in a sudden, an almost startling, jump from a low point on the indicating dial to a high point, thus warning the operator by a quick signal of danger that something is wrong with the engine. From this it will be seen that the purpose of the invention is not to register the temperature of the water as is ordinarily done by a thermometer but to indicate engine trouble by the sudden action of the thermometer. Indeed there is nothing on the device which gives the temperature in degrees. Stated otherwise, the purpose of the device is not to inform the automobile driver how hot the water in the cooling system is, for this would mean nothing to the ordinary driver; its purpose is to inform him that something has happened inside the engine hood so that he may stop and find it before it is too late.

The center of the invention, therefore, is the selection of the air space or pocket within the inlet of the radiator by which alone the requisite sudden action is given to the thermometer. This is quite obvious because, if, as in other arts, the bulb of the thermometer were placed in the water, the rise of the thermometer would be as gradual as the rise in the temperature of the water and no quick signal of impending danger would be given the operator. So also if the bulb of the thermometer were placed in the water, the thermometer would fail to give a correct reading upon the falling of the water level within the radiator. For example, if the water level should, because of leakage, fall until it is below the bulb, the bulb would then be exposed to air above the water level, which, as before stated, is normally cooler than the water, so that a drop in temperature would be indicated by the instrument instead of the rise in temperature which would actually take place in the water. Probably the most important advantage of locating the bulb with its thermal responsive element in the air space of the radiator inlet instead of submerging it in the cooling liquid is that it will indicate a condition of danger upon the stoppage of the circulation of the liquid, while the submerged bulb will frequently fail to give such indication. This seeming paradox will be understood when it is considered that the submerged bulb registers the temperature of the water in the radiator, which, upon stoppage of the circulation, gets cooler and cooler in that part of the system and does not respond to the engine temperature. Accordingly the instrument submerged in the water of the radiator will show a fall in temperature even though the water may be steaming in the cylinder jackets. But if the heat-responsive element of the indicator be mounted in the air space above the water level, the steam, as soon as it is formed in the cylinder jackets, will find its way into the air space whether the water is circulated or not, and, therefore, will immediately cause the rapid rise of the indicating fluid and give the desired danger signal.

[2] We are satisfied that the claims of the patent are not limited merely to a "temperature responsive element," or, in other words to a thermometer, placed indifferently in a cooling system, but that they embody the novel idea of a thermometer positioned in a new place, where, by reason of the charteristics of the place, the thermometer, even if functioning in an old way, is caused to do a new thing. In this functioning of the thermometer, where speed in the rise of temperature and its consequent danger signal are the things sought and obtained, utility is obvious. To this conclusion we have been led by the device itself, without the aid of its commercial history. (This history is interesting, however, for it shows that when the device appeared in the art it was regarded as so thoroughly useless that it provoked mirth among automobile engineers. But later it was accepted by the public to the extent of 8,500,000 instruments of a retail sales value of over $20,000,000, and was adopted by manufacturers for regular equipment on 170 makes of automobiles and trucks.) Therefore we are of opinion that the patent involves invention and that the patentee is entitled to the reward of a patent—unless, as the respondent maintains, he was not the first to conceive the invention and therefore was not the original inventor in the sense of the patent law. This brings us to the issue of prior use.

Novelty is negatived by prior knowledge and use of the thing patented. R. S. sec. 4886 (Comp. St. sec. 9430). Of such use the respondent cites four instances. One was the Fairbanks-Morse use. A stipulation as to the character of this use puts it out of the case.

Another was by Avery who for several weeks (or months) used several thermometers in various places on the radiator of his car, one in the cap of the filler spout.

The third was the Moore use. Moore, a chauffeur, having difficulty with his engine overheating, bored a hole through the radiator cap and inserted a brewer's thermometer. The use was short lived for Moore's employer objected to its appearance and caused it to be removed.

The fourth and most important was the Purdy use. Purdy was a designer of internal-combustion engines for automobiles. Beginning about 1905 he was in charge of the experimental department of an automobile manufacturer. He carried on a great number of experiments in connection with every phase of automobile designing in the course of which he employed many and various instruments. He put thermometers at different places on the engine and on the cooling system in order to find the points of overheating and to design the structure so as to overcome the trouble. In the course of his experiments he placed a thermometer in the radiator cap. With this thermometer in place, as well as with thermometers elsewhere, he operated the engine in the factory for long periods and in the car for long distances. Clearly these were engine tests and the thermometers were used experimentally in different places to determine the engine's weak points in the matter of heating. His testimony was, in substance, that all these tests were experimental and were made to get proper ideas for the manufacture of engine parts and radiators in the ultimate construction of automobiles; that during a test the thermometer in the radiator spout was always in place and after a test it would be removed; and that his thought was to make the construction of the car good enough to avoid the necessity of having a thermometer upon it when it went out to the user and that if he had not done this he would have considered the engine a failure.

Winther, who arranged the cap thermometer for Purdy, testified that he had never given any real thought to the value of the Purdy device, although, in fact, when the device of the patent came out he thought "there is an idea I probably could have made use of" and recalled having dismissed the Purdy use from his mind as unimportant.

[3] It is well settled that evidence of prior use must be clear and satisfactory and in its consideration every reasonable doubt should be resolved against the one raising the question. *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, 261 U. S. 45; 43 Sup. Ct. 322; 67 L. Ed. —; 310 O. G. 3; *Barbed Wire Patent Case*, 143 U. S. 275, 284; 12 Sup. Ct. 450; 36 L. Ed. 161; 58 O. G. 1555; *Coffin* v. *Ogden*, 85 U. S. (18 Wall.) 120, 124; 21 L. Ed. 821.

The prior public uses of the invention of the patent on which the respondent relies appeal to us as merely incidental and casual uses. While very close to the invention of the patent in means and location, they were far different from the uses contemplated by the inventive concept of the patentee. Indeed it seems to us they were practiced without any conception of the inventive idea which later Boyce evolved. While the instruments used on these occasions may have performed in the manner of the patent, such performance (if it occurred) seems not to have impressed itself upon those using the instruments. In considering the several alleged prior uses set up by the respondent, we do not find that, within the authority of *Gayler* v. *Wilder*, 10 How. 477; 13 L. Ed. 504, they were—

> so far understood and practiced or persisted in as to become an established fact, accessible to the public and contributing definitely to the sum of human knowledge.

[4] Though close to the invention of the patent, it clearly appears that the several users did not intend, and did not observe in their devices, the things intended and accomplished by the device of the patent in suit. *Eibel Process Co.* v. *Minnesota & Ontario Paper Co.*, supra; *Tilghman* v. *Proctor*, 102 U. S. 707, 711; 26 L. Ed. 279; 19 O. G. 859. In other words, they did not have Boyce's inventive conception and, failing to have it, they abandoned their devices before they had passed the stage of experimentation.

Therefore we are of opinion that the novelty of the invention of the patent has not been negatived by prior use and that, accordingly, the patent is valid. We are also of opinion that as the "temperature responsive element" of the patent claims are not limited to alcohol but extend to such expansive metals as are employed by the defendant in its device, the patent is infringed.

The judgment below is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

833,634, J. S. Robeson, Process of treating waste sulphite liquor and compound obtained therefrom; 1,069,029, same, Process of treating roads, etc., order affirming decree of lower court (notice dated Dec. 17, 1924), C. C. A. (3d Cir.), Doc. 3143, *Robeson Process Co.* v. *J. S. Robeson et al.*

874,178, L. de Forest, Cautery, suit filed Dec. 5, 1924, D. C., E. D. N. Y., Doc. 1980, *J. E. Forshee et al.* v. *Wappler Electric Co.*

956,135, T. E. Murray, Electric cut-out; 1,031,363, same, Meter-testing-service cut-out; 1,028,268, G. E. Palmer, Case for meter connection blocks; 1,036,317, same, Casing, suit filed Jan. 26, 1925, D. C., E. D. N. Y., Doc. 2037, *Metropolitan Device Corp.* v. *United Electric Products Corp.*

987,092, F. B. Thompson, Picture film, suit filed Feb. 20, 1925, D. C., S. D. N. Y., Doc. E 31/189, *Dura Film Protector Co., Inc.*, v. *Connell Film Process & Chemical Co., Inc.*

1,007,647, C. R. Darnall, Process of purifying water and sewage, suit filed Jan. 2, 1925, D. C., E. D. N. Y., Doc. 2025, *Wallace & Tiernan Co., Inc.*, v. *The Paradon Engineering Co., Inc.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.; 1,180,159, I. Langmuir, Incandescent electric lamp; 1,423,956, Mitchell & White, Tipless incandescent lamp, etc.; 1,423,957, same, Stem-making machine, suits filed Jan. 23, 1925, D. C., E. D. N. Y., Doc. 2036, *General Electric Co.* v. *Satellite Illuminating Co., Inc., et al.* Same, Doc. 2035, *General Electric Co.* v. *W. F. Herzog* (*W. F. Herzog Miniature Lamp Co.*). Final consent decree entered in favor of plaintiff (notice dated Feb. 21, 1925).

1,028,268. (See 956,135.)

1,031,363. (See 956,135.)

1,036,317. (See 956,135.)

1,069,029. (See 833,634.)

1,082,682, R. Douglas, Food product; 1,235,666, same, Jelly-making product; 1,304,166, same, Food

product and its method of manufacture, Jan. 5, 1925, final decree (on motion of counsel for plaintiff and by consent of counsel for defendant) sustaining patents, D. C., Oreg., Doc. E 8679, *Douglas Pectin Corp.* v. *Hood River Apple Vinegar Co.*

1,082,933. (See 1,018,502.)

1,101,268, L. E. Fuller, Stencil sheet, suit filed Feb. 19, 1925, D. C., S. D. N. Y., Doc. E 31/186, *A. B. Dick Co. et al.* v. *Wallace Addressing Co.*

1,157,046, J. Rousso, Towel cabinet, order affirming decree of lower court (notice dated Dec. 17, 1924), C. C. A. (3d Cir.), Doc. 3091, *J. Rousso* v. *R. E. Barber.*

1,180,159. (See 1,018,502.)

1,229,102, B. E. Lloyd, Talking doll, suit filed Dec. 2, 1924, D. C., E. D. N. Y., Doc. 1969, *B. E. Lloyd* v. *F. G. Schneider et al.* (*Toy Engineering Co.*). Decree pro confesso Dec. 30, 1924.

1,229,751. (See Des. 42,500.)

1,234,109, J. Alberti, Process of manufacturing bottle closures; 1,234,711, same, Closure for receptacles, decree reversed; claims 5 and 6 of the process patent and claim 3 of the product patent held valid and infringed (notice dated Feb. 17, 1925), C. C. A. (2d Cir.), Doc. 8427, *International Cork Co.* v. *New Process Cork Co., Inc.*

1,234,711. (See 1,234,109.)

1,235,666. (See 1,082,682.)

1,251,497, J. M. G. Fullman, Outlet box, order affirming decree of lower court (notice dated Dec. 17, 1924), C. C. A. (3d Cir.), Doc. 3096, *J. M. G. Fullman* v. *Steel City Electric Co.*

1,271,527, M. C. Hopkins, Sound-regenerating machine, suit filed Feb. 13, 1925, D. C., S. D. N. Y., Doc. E 31/171, *Lektophone Corp.* v. *V. Himmer, jr.*

1,273,022, Ashmore & Morgan, jr., Process and device for finishing concrete pavements, final consent decree sustaining patent, adjudging infringement, and granting injunction Feb. 13, 1925, D. C., S. D. N. Y., Doc. E 30/193, *Macon Concrete Roller Co.* v. *A. Miele.*

1,285,495, Wallace & Tiernan, Hydraulic metering and measuring device, suit filed Dec. 16, 1924, D. C., E. D. N. Y., Doc. 1996, *C. F. Wallace et al.* v. *The Paradon Engineering Co.*

1,303,468, J. O. Fowler, Sealed, safety fountain ink stand, filed consent and order of discontinuance, case settled out of court, Feb. 16, 1925, D. C., S. D. N. Y., Doc. E 30/155, *J. O. Fowler* v. *S. S. Stafford, Inc.*

1,304,166. (See 1,082,682.)

1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; Re. 14,667, F. D. Winkley, Lubricating system, suit filed Feb. 17, 1925, D. C., W. D. N. Y., Doc. 807 D, *The Bassick Mfg. Co.* v. *J. Strauss Co., Inc.*

1,307,734. (See 1,307,733.)

1,309,433, H. Tanner, Furnace arch, suit filed Feb. 16, 1925, D. C., N. D. Calif., Doc. E 1428, *M. H. Detrick Co. et al.* v. *Hunt, Mirk & Co., Inc.*

1,405,146, J. A. Mueller, Forge, suit filed Jan. 29, 1925, D. C., E. D. D. N. Y., Doc. 2046, *Mead Morrison Mfg. Co.* v. *Hauck Mfg. Co.*

1,405,973, C. J. Dalton, Oversized truck tire, final consent decree sustaining patent, adjudging infringement, and granting injunction Feb. 16, 1925, D. C., S. D. N. Y., Doc. E 30/307, *C. J. Dalton* v. *E. Banngarten* (*Yorkville Truck Tire Co.*).

1,423,956. (See 1,018,502.)

1,423,957. (See 1,018,502.)

1,450,080, L. A. Hazeltine, Method and electric-circuit arrangement for neutralizing capacity coupling; 1,489,228, same, Method and means for neutralizing capacity coupling in audions, suit filed Feb. 16, 1925, D. C., S. D. N. Y., Doc. E 31/182. *Hazeltine Corp. et al.* v. *Greater Atlantic & Pacific Radio Corp.*

1,489,228. (See 1,450,080.)

1,492,202, J. I. Carroll, Baby walker, suit filed Dec. 3, 1924; D. C., S. D. Ohio (W. Div.), Doc. E 366, *J. I. Carroll et al.* v. *Taylor & Huth* (*Toy Builder's Co.*) *et al.*

1,498,196, L. G. Pacent, Electric plug, suit filed Jan. 8, 1925, D. C., E. D. N. Y., Doc. 2027, *Pacent Electric Co., Inc.*, v. *S. A. Paris* (*King's Radio Service*). Same, Doc. 2028, *Pacent Electric Co., Inc.*, v. *M. Spingam* (*Borough Hall Supply Co.*). Same, suit filed Jan. 9, 1925, D. C., E. D. N. Y., Doc. 2029, *Pacent Electric Co., Inc.*, v. *Presto Machine Products Co.*

1,518,067, W. W. Hicks, Electric heater, suit filed Feb. 18, 1925, D. C., N. D. Calif., Doc. E 1432, *W. W. Hicks* v. *Wholesale Electric Co. et al.*

Re. 13,921, W. J. Dunham, Land roller or pulverizer, suit filed Feb. 6, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1375, *The Dunham Co. et al.* v. *E. W. Cobb.*

Re. 14,667. (See 1,307,733.)

Re. 15,525, H. C. Hanson, Folding camp stove, Jan. 30, 1925, appeal dismissed pursuant to stipulation, C. C. A., 8th Cir. (St. Louis), Doc. 6905, *Albert Lee Foundry Co.* v. *American Gas Machine Co., Inc., et al.*

Des. 42,500, Claussen & Claus, Paper cup; T. M. 87,365, Public Service Cup Co., same; 1,229,751, H. A. House, Paper receptacle, suit filed Jan. 30, 1925, D. C., E. D. N. Y., Doc. 2048, *Public Service Cup Co.* v. *Paper Utilities Co., Inc., et al.*

Des. 64,778, Des. 64,779, E. A. Walker Electric chandelier, suit filed Feb. 18, 1925, D. C., S. D. N. Y., Doc. E 31/183, *Goldberg & Goldberg* (*The G. & G. Fixture Co.*) v. *Novin & Ribak* (*The Centre Lighting & Fixture Mfg. Co.*).

Des. 64,779. (See 64,778.)

Des. 65,130, G. E. McFadden, Plate for lighting fixture; Des. 65,131, same, Ring for lighting fixture, suit filed Feb. 13, 1925, D. C., S. D. N. Y., Doc. E 31/172, *A. Vester Sons, Inc.*, v. *Majestic Metal Spinning & Stamping Co., Inc.*

Des. 65,131. (See Des. 65,130.)

Des. 66,253, J. P. Nissen, Stocking, suit filed Feb. 16, 1925, D. C., S. D. N. Y., Doc. E 31/176, *J. P. Nissen* v. *J. Kayser & Co.*

T. M. 87,365. (See Des. 42,500.)

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 14, 1925.

[VOL. 333. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 137,333. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SERVICE MOTOR TRUCK CO., Wabash, Ind. Filed Sept. 18, 1920.

THE PYRAMID OF SERVICE

Particular description of goods.—Motor Trucks.
Claims use since Aug. 21, 1920.

Ser. No. 138,523. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) SERVICE MOTOR TRUCK CO., Wabash, Ind. Filed Oct. 19, 1920.

RED PYRAMID

Particular description of goods.—Motor Trucks.
Claims use since Sept. 15, 1920.

Ser. No. 172,937. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Dec. 5, 1922.

Particular description of goods.—Rubber Tires, Pneumatic and Solid; Inner Tubes (Rubber-Impregnated Tire Building and Rebuilding Fabrics); Tire Accessories, Namely, Hook-On Boots, Lace-On Boots, Flaps, and Tire-Repair Air Bags, Fabric and Rubber Repair Patches, Tube Patches in Sheet and Patch Form, and Reliners; and Tire-Repair Gum Materials in Sheet Form—Namely, Tread Gums, Cushion Gums, Tube Gums, Camel-Back-Tread Gums, and Combination Gums.
Claims use since June 27, 1922.

Ser. No. 175,011. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FIRESTONE TIRE & RUBBER COMPANY, Akron, Ohio. Filed Jan. 24, 1923.

MAXI-CUSHION

Applicant disclaims exclusive right to the use of the word "Cushion" as applied to tires apart from the mark shown.
Particular description of goods.—Resilient Vehicle Tires of Rubber or Rubber Composition or Rubber and Fabric.
Claims use since Oct. 29, 1922.

Ser. No. 177,528. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CHARLES A. THURMOND, Perry, Ga. Filed Mar. 15, 1923.



The words "Thurmond Gray Melon" and the pictorial representation of a melon are hereby disclaimed apart from the other features of the mark.

Particular description of goods.—Watermelon Seeds.

Claims use since July 24, 1922.

Ser. No. 180569. (CLASS 39. CLOTHING.) WERNER EXPORT COMPANY INC., New York, N. Y. Filed May 12, 1923.



Particular description of goods.—Dress Shirts, Negligee Shirts, and Work Shirts, Knitted and Textile Fabric Underwear for Men Only, Hosiery, Sweaters, Palm Beach Suits, Raincoats, Mohair Suits; Shoes of Leather, Canvas, and Buckskin; Neckwear in the Nature of Neckties and Scarfs.

Claims use since Oct. 1, 1922.

Ser. No. 181,876. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AM-PLUS STORAGE BATTERY COMPANY, Chicago, Ill. Filed June 12, 1923.



Applicant disclaims the terms "Hard Yet Porous, Rugged Plates" and the pictorial representation of a battery plate apart from the other features of the mark shown in the drawing.

Particular description of goods.—Storage Batteries and Storage-Battery Plates.

Claims use since Sept. 1, 1921.

Ser. No. 182,900. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANDRÉ CITROËN, Paris, France. Filed July 7, 1923.

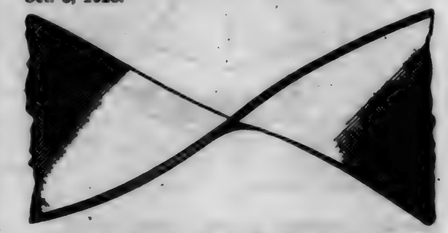


The mark consists of an elongated hexagon within which is traced an ellipse crossed with a double herringbone under which is written on two lines the letter "A" and the word "Citroen."

Particular description of goods.—Pleasure Automobiles, Motor Trucks, and Structural Parts Thereof.

Claims use since Feb. 1, 1919.

Ser. No. 186,973. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) PEERLESS BELTING COMPANY, Gardenville, N. Y. Filed Oct. 5, 1923.



Trade-mark consists in the application to the edges of the belting of a coat of brown paint, the color of the coat contrasting with the color of the faces of the belting. In the drawing the shading is employed to indicate the application of a brown paint to the edges of the belting, both faces of which are black.

Particular description of goods.—Cotton Belting.

Claims use since March, 1923.

Ser. No. 187,631. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JULIUS J. LEVIN, Kansas City, Kans. Filed Oct. 29, 1923.



The drawing is lined for the purpose of shading. The exclusive use of the words "Manhattan" and "Handkerchiefs" apart from the mark as shown is disclaimed.

Particular description of goods.—Handkerchiefs.

Claims use since Sept. 15, 1923.

Ser. No. 187,773. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN SEXTON AND COMPANY, Chicago, Ill. Filed Oct. 31, 1923.

LA SALLE

Particular description of goods.—Rice, Prepared Mustard, and Tomato Catchup.

Claims use since about 1915.

Ser. No. 189,052. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEALTH SANITORIUM LABORATORY, LIMITED, Montreal, Canada. Filed Nov. 30, 1923.

DOCTOR LEWIS



SPECIAL PREPARATIONS

The name of individual whose portrait appears in drawing is that of D. D. Lewis, M. D. No claim is made to the words "Special Preparations" and "Trade Mark" apart from the mark as shown.

Particular description of goods.—Tonic for the Blood, Liver, and Kidneys; a Liniment for Sprains and Swollen Joints, Face Cream for Removing of Pimples and All Skin Eruptions, a Hair Tonic for Removing Dandruff and for the Treatment of Falling Hair.

Claims use since July, 1911.

Ser. No. 189,160. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) INTERNATIONAL WELDING ENGINEERING CORPORATION, Chicago, Ill. Filed Dec. 3, 1923.

"REX"

Particular description of goods.—Welding Wire.

Claims use since Oct. 31, 1923.

Ser. No. 190,501. (CLASS 39. CLOTHING.) GORDON SHIRT COMPANY, Chicago, Ill. Filed Jan. 7, 1924.

GIANT JIM

No claim is made herein to an exclusive right to the word "Giant."

Particular description of goods.—Work Shirts.

Claims use since Nov. 1, 1923.

Ser. No. 190,712. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN NOKOL COMPANY, Chicago, Ill. Filed Jan. 12, 1924.



The words "No Coal" do not form a part of the registration sought apart from the mark shown in the drawing.

Particular description of goods.—Liquid-Fuel Burners or Heaters Electrically Operated.

Claims use since August, 1919.

Ser. No. 191,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y. Filed Jan. 30, 1924.



Particular description of goods.—Coffee.

Claims use since Dec. 19, 1923.

Ser. No. 191,705. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBERT & HERBERT, Perth Amboy, N. J. Filed Feb. 2, 1924.



The lining of trade-mark drawing represents shading. No claim is made to the word "Brand" other than as shown in the accompanying drawing.

Particular description of goods.—Colloidal-Sulphur and Lime-Sulphur Solution.

Claims use since Nov. 27, 1923.

Ser. No. 192,019. (CLASS 2. RECEPTACLES.) HAMMOND BAG & PAPER CO., Wellsburg, W. Va. Filed Feb. 8, 1924.

HAMMOND
Betterbags

No claim is made to the words "Better Bags" nor to the representation of the goods appearing on the drawing apart from the mark shown thereon.

Particular description of goods.—Paper Bags.
Claims use since Jan. 21, 1924.

Ser. No. 192,044. (CLASS 39. CLOTHING.) SOCIETE ANONYME DES GANTS BUSCARLET, Paris, France. Filed Feb. 8, 1924.

KISLAV

Particular description of goods.—Leather Gloves.
Claims use since Nov. 1, 1923.

Ser. No. 192,202. (CLASS 10. FERTILIZERS.) VERDURE, INC., New York, N. Y. Filed Feb. 12, 1924.

VERDURE

Particular description of goods.—Fertilizer.
Claims use since Jan. 28, 1924.

Ser. No. 192,227. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill., assignor to Jefferson Candy Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 13, 1924.

SCHUTTER'S
NICK

Particular description of goods.—Candy.
Claims use since Oct. 30, 1923.

Ser. No. 192,457. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE UNITED STATES GRAPHITE CO., Saginaw, Mich. Filed Feb. 16, 1924.

USG

Particular description of goods.—Lubricating Rings.
Claims use since Feb. 1, 1924.

Ser. No. 192,673. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS CELLA, INC., New York, N. Y. Filed Feb. 23, 1924.

WHAT NEXT

Particular description of goods.—Candies—Namely, Chocolate Wafers, Chocolate Cigarettes, and Chocolate Pieces.
Claims use since May 1, 1923.

Ser. No. 193,698. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE WIRELESS RESISTOR COMPANY OF AMERICA, Milwaukee, Wis. Filed Mar. 12, 1924.

Globar

Particular description of goods.—Carbon and Carbon-Compound Electrical Resistors and Resistance Units for Current Limiting Purposes in Rheostats, Current and Voltage Regulators, and Lightning Arresters; Carbon and Carbon-Compound Electrical Resistors and Resistance Units for Electrical Heat-Producing Purposes in Domestic and Industrial Electric Heaters, Electric Driers, and Electric Furnaces; Carbon and Carbon-Compound Resistors for Incandescent Lighting Filaments; Carbon and Carbon-Compound Electrodes for Use as Arc Lighting, Rectifier, Furnace, Battery, Accumulator, and the Like Electrodes; Carbon and Carbon-Compound Brushes and Electrical Contact-Making Devices; and Rods, Plates, Bars, Sheets, Tubes, and Other Pieces Essentially and Substantially of Silicon Carbide for Electrical Apparatus, and Especially for Resistance Units for Electric Heating Purposes.
Claims use since July 11, 1923.

Ser. No. 195,370. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 11, 1924.

Kashgara

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 1, 1924.

Ser. No. 195,421. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) SOCIETE ANONYME D'EXPLOITATION DES PAPETERIES L. LACROIX FILS, Angouleme, Charente, France. Filed Apr. 11, 1924.



The drawing is lined to indicate the colors red, brown, and green. The exclusive right to the words "Gomme" and "Angouleme, France," are disclaimed apart from the mark as shown and described.

Particular description of goods.—Cigarette Wrappers and Papers.
Claims use since Dec. 9, 1920.

Ser. No. 196,014. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN V. FARWELL COMPANY, Chicago, Ill. Filed Apr. 28, 1924.

Farwell's
FADEPROOF FABRICS

Applicant disclaims the exclusive right to the words "Fadeproof Fabrics" separate and apart from the trade-mark shown in the drawing.

Particular description of goods.—Cotton Piece Goods and Piece Goods Composed of Silk.
Claims use since Sept. 1, 1923.

Ser. No. 196,288. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) EMIL BORNSTEIN, INC., New York, N. Y. Filed Apr. 29, 1924.

Kameraphone

Particular description of goods.—Portable Phonographs.
Claims use since about November, 1922.

Ser. No. 196,532. (CLASS 39. CLOTHING.) MADE WELL KNITTING MILLS, INC., New York, N. Y. Filed May 3, 1924.

FLASHLIGHT SPOT

Particular description of goods.—Cravats, Mufflers, Neckties, and Reefers.
Claims use since Mar. 13, 1924.

Ser. No. 196,679. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) JOSEF SCHNABL, doing business as Jac. Schnabl & Co., Vienna, Austria. Filed May 6, 1924.



Particular description of goods.—Cigarette Papers.
Claims use since 1911.

Ser. No. 196,808. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE GOLDSTEIN MANUFACTURING COMPANY, LIMITED, Buffalo, N. Y. Filed May 9, 1924.

STAGLAKT

Particular description of goods.—Cuff Buttons Made of or Plated with Precious Metal.
Claims use since July, 1922.

Ser. No. 197,245. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK A. BEEDE, Orange, Vt. Filed May 19, 1924.

BEEDE'S



Special Healing Lotion

Trade-mark consists of a portrait of applicant, and no claim is made for the use of the words "Special Healing Lotion" aside from its use in connection with said portrait.

Particular description of goods.—Medicinal Preparation to Aid in the Treatment of Sores, Wounds, and Abrasions.
Claims use since Apr. 1, 1922.

Ser. No. 197,246. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK A. BEEDE, Orange, Vt. Filed May 19, 1924.

BEEDE'S
Special All-Round Family Liniment



The trade-mark consists of a portrait of applicant, and no claim is made to the use of the words "Special All-Round Family Liniment" aside from its use in connection with said portrait.

Particular description of goods.—Medicinal Preparation for the Treatment of Sore Throat, Tonsillitis, Pneumonia, Inflammation of the Lungs, Lameness, Rheumatism, Contracted Cords, Toothache, Neuralgia, Corns, Sprains, and Stiff Joints.

Claims use since Apr. 1, 1922.

Ser. No. 197,491. (CLASS 11. INKS AND INKING MATERIALS. WALTER F. MELTON, doing business as Inkxtendo Mfg. Co., Dallas, Tex. Filed May 23, 1924.

INKXTENDO

Particular description of goods.—Ink Regulators, Ink Reducers, Ink Driers, Ink Extenders, and Offset, Non-offset, and Nonsmut Preparations.

Claims use since June 15, 1921.

Ser. No. 198,579. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MERRELL-JOHNSON MACHINE CO., Minneapolis, Minn. Filed June 14, 1924.



No claim is made to the words "The Master Woodworker" and the picture of the beaver apart from the mark as shown in the drawings.

Particular description of goods.—Vertical Resaws, Band Ripsaws, Horizontal Box Resaws, Slab Resaws, Vertical Resaw Hopper Feeds, Junior Squeezers, Squeezers, Matchers, Notchers, Grooversers, Handhold and Recessing Machines, Combined Rip and Cut-Off Saws, Cut-Off Saws, Double Ripsaws, Lath Edgers, Special Box Edgers, Box Edgers, Trimmers, Automatic Cut-Off Saws, and Wood-Turning Lathes.

Claims use since May 12, 1923.

Ser. No. 198,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PRYDE PHARMACAL COMPANY, Hannibal, Mo. Filed June 18, 1924.

Pryde

Trade-mark consists in the word "Pryde."

Particular description of goods.—Depilatory.

Claims use since about Apr. 5, 1924.

Ser. No. 199,223. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed June 27, 1924.

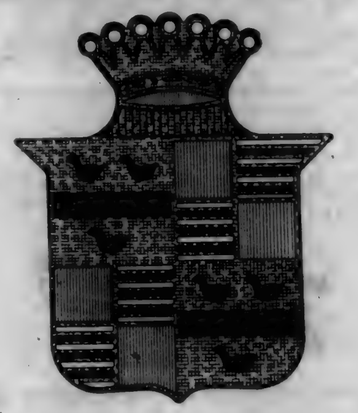
CADILLAC

Trade-mark consists of the word "Cadillac."

Particular description of the goods.—Automobiles.

Claims use since 1903.

Ser. No. 199,224. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed June 27, 1924.



In the facsimile submitted and in the mark shown in the drawing the groundwork of the shield upon which the mark appears is yellow or golden color and the conventional swans separated by horizontal bars in the upper left and lower right hand quarters are black. The upper right and lower left hand quarters are composed of four squares, two of which are dark red in color and the other two of which are made up of horizontal bars, white and blue in color, separated by thin gold lines.

Particular description of goods.—Automobiles.

Claims use since about Sept. 1, 1902.

Ser. No. 200,206. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HANS LOEWENSTEIN, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany. Filed July 18, 1924.



Particular description of goods.—Sockets of Fibrous Material for Use in Securing Screws, Nails, Hooks, Pointed Objects in Metal, Stone, Glass, and Similar Materials.

Claims use since Oct. 21, 1921.

Ser. No. 201,130. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE ESTATE STOVE CO., Hamilton, Ohio. Filed Aug. 8, 1924.

EL-O-RANGE

Applicant disclaims the word "Range" except in the association shown.

Particular description of goods.—Coal and Wood Stoves.

Claims use since June 17, 1924.

Ser. No. 201,235. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE G. S. H. SPECIALTY COMPANY, Grand Rapids, Mich. Filed Aug. 11, 1924.

MAUD MULLER

Particular description of goods.—Rakes.

Claims use since Apr. 9, 1923.

Ser. No. 202,114. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. L. HOFFMAN CO., Allentown, Pa. Filed Sept. 2, 1924.



Applicant makes no claim to the exclusive use of the word "Products" apart from the mark shown in the drawing.

Particular description of goods.—Stock and Poultry Tonic.

Claims use since Aug. 22, 1924.

Ser. No. 202,472. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) WESTERN CARTRIDGE COMPANY, Wilmington, Del., and East Alton, Ill. Filed Sept. 10, 1924.

Xpert

Particular description of goods.—Shot Shells.

Claims use since Jan. 10, 1924.

Ser. No. 203,008. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SEATLESS VALVE COMPANY, New York, N. Y. Filed Sept. 24, 1924.



"E-Z OIL RELEASE"

No exclusive rights are claimed in the descriptive words "Oil Release" apart from the mark as shown in the drawing.

Particular description of goods.—Valves for Draining Liquids from Receptacles—Namely, Oil from Crank Cases of Motor Vehicles.

Claims use since about Aug. 1, 1924.

Ser. No. 203,063. (CLASS 39. CLOTHING.) RAPHAEL WEILL AND COMPANY, INC., San Francisco, Calif. Filed Sept. 25, 1924.

"ASCOT HAT"
MADE IN ENGLAND
EXPRESSLY FOR
The WHITE HOUSE.
SAN FRANCISCO.

No claim is made to the words "Hat," "Made in England Expressly for," and "San Francisco."

Particular description of goods.—Millinery—Namely, Hats for the Use of Women, Imported from England.

Claims use since on or about Mar. 1, 1924.

Ser. No. 203,087. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NEWTON, CHAMBERS & CO. LIMITED, Sheffield, England. Filed Sept. 26, 1924.



Applicant disclaims the words "Used the World Around" except in the precise relation and association in which they appear in the drawing and specimens. The lining in the drawing is for shading purposes only and does not denote color.

Particular description of goods.—Starch and Blue for Laundry Purposes, Perfumery, Disinfectant Fluid, Disinfectant Powder, Disinfectant Blocks, Antiseptics, Germicides, Insecticides, Tooth Powder, Ointments, Lano Cream, Medicated Lozenges, and Embrocations.

Claims use since Nov. 1, 1922.

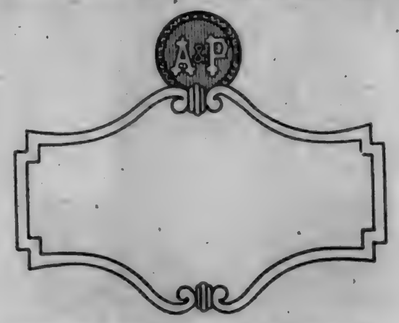
Ser. No. 203,254. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CERBOS, LIMITED, Greatham and London, England. Filed Oct. 1, 1924.



Particular description of goods.—Salt.

Claims use since Jan. 1, 1922.

Ser. No. 203,267. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed Oct. 1, 1924.



Trade-mark drawing is lined for red and gold.

Particular description of goods.—Grape Juice.

Claims use since September, 1919.

Ser. No. 203,345. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CHARLES D. STROMGREN, Los Angeles, Calif. Filed Oct. 2, 1924.



Applicant makes no claim to the exclusive right to the representation of a packing ring apart from the mark as shown.

Particular description of goods.—Piston Rings.

Claims use since February, 1920.

Ser. No. 203,388. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIO SERVICE INC., Peekskill, N. Y. Filed Oct. 3, 1924.



The shading lines in the drawing are intended to represent shading only, and no particular coloring.

Particular description of goods.—Radio Receiving Sets.

Claims use since Aug. 1, 1924.

Ser. No. 203,512. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) G. & G. ATLAS SYSTEMS INC., New York, N. Y. Filed Oct. 7, 1924.

ATLAS

Particular description of goods.—Pneumatic-Tube Systems and Parts Thereof.

Claims use since Oct. 9, 1923.

Ser. No. 203,653. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE STRONG-SCOTT MFG. CO., Minneapolis, Minn. Filed Oct. 9, 1924.

UNIPULVO

Particular description of goods.—Fuel Grinders and Pulverizers, Fuel Pulverizing and Feeding Units, Burners, Pulverized-Fuel-Conveying Pipes and Ducts, Ash Doors, Inspection Doors, Air-Inlet Devices, and Metal Accessories Incidental to the Distribution of Fuel to Furnaces, Heaters, Boilers, and the like; Furnace Clean-Out Doors, Furnace Inspection Doors, Air-Inlet Openings in Furnace, the Furnace Proper Consisting of a Special Design and Arrangement of Brick work Under a Boiler in Which the Pulverized Coal is to be Burned.

Claims use since Feb. 15, 1924.

Ser. No. 203,659. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES SHARP, Lowell, Mass. Filed Oct. 9, 1924.



No claim is made to the exclusive use of the words "Frozen Dainties, Lowell, Mass." and the representation of the plate of ice cream apart from the mark as shown in the drawing. The lining on the drawing represents the colors blue and brown.

Particular description of goods.—Ice Cream.

Claims use since 1904.

Ser. No. 203,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNION STARCH & REFINING COMPANY, Columbus, Ind. Filed Oct. 15, 1924.

Plato

Particular description of goods.—Corn and Sugar Sirup.

Claims use since Aug. 5, 1921.

Ser. No. 204,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUGH P. HOYT, doing business as Atlas Milling Co., Clinton, Mich. Filed Oct. 17, 1924.

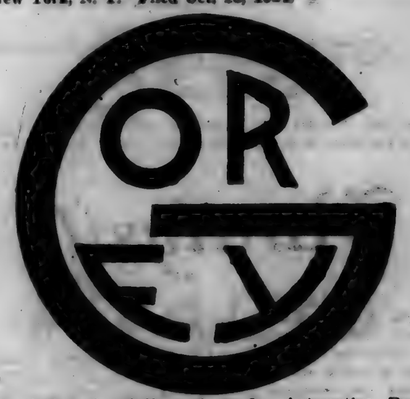


The crosslines in the drawing indicate the color blue. The curved lines are used for shading purposes only. The word "Flour" is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Wheat Flour.

Claims use since Oct. 16, 1912.

Ser. No. 204,095. (CLASS 10. VEHICLES, NOT INCLUDING ENGINES.) JOSEPH CHARLES GOREY, doing business as Gorey Automotive Parts Company, New York, N. Y. Filed Oct. 18, 1924.



Particular description of goods.—Automotive Parts Comprising Clutches, Axles, Joints, Propeller Shafts and Parts Thereof, Steering Gears, Transmission Gears, and Differentials and Parts Thereof.

Claims use since August, 1922.

Ser. No. 204,221. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EVELYN CORNELIUS, doing business as Evelyn's Hair Vitae and Mrs. S. M. Cornelius, New Castle, Pa. Filed Oct. 21, 1924.

EVELYN'S

Particular description of goods.—Hair Grower and Restorer.
Claims use since Sept. 1, 1923.

Ser. No. 204,317. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HESS BROS., New York, N. Y. Filed Oct. 23, 1924.

GUEST

Trade-mark consists of the word "Guest."
Particular description of goods.—Food Products—Vis, Sardellen, Pâté de Foie Gras, Purée de Foie Gras; Alaska Matjes Herring Packed in Tins, Glass, and Pails; Anchovies in Spiced Sauce; Scotch Herring Packed in Tins, Glass, and Pails; Rollmops—i. e., Rolled and Pickled Herring; Mackerel in Cans and Salted in Pails and Soused Mackerel; Bismark Herring; New Foundland Herring in Tins, Glass, and Pails; Sardellen Rings, Sardellen Butter; Appetit Sild—i. e., a Preparation of Fillet of Anchovy with Spiced Sauce; Anchovy Paste, Caviar, Maraschino Cherries; Gafelbitar—i. e., a Preparation of Chopped or Sliced Herring with Spiced Sauce, Olive Oil, and Olives.
Claims use since Aug. 11, 1924.

Ser. No. 204,602. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Oct. 30, 1924.

Kashinora

Particular description of goods.—Woolen Piece Goods.
Claims use since Sept. 15, 1924.

Ser. No. 204,641. (CLASS 39. CLOTHING.) VANITY FAIR SILK MILLS, Reading, Pa. Filed Oct. 30, 1924.

Vanitysilk

No claim is made to the word "Silk" apart from the mark shown in the drawing.
Particular description of goods.—Underwear Consisting of Vests, Bloomers, Knickerbockers, Drawers, Union Suits, Combinations, Chemise, Envelope Chemise, Corset Covers, Nightgowns, Bathing Suits, Pyjamas Made of Knitted or Textile Material for Adults and Babies, Petticockers, Step-In Drawers, and Men's Silk Underwear—Namely, Union Suits, Shirts, and Drawers.
Claims use since Jan. 5, 1922.

Ser. No. 204,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAISON MARIE, Saginaw, Mich. Filed Nov. 1, 1924.

Maison Marie

Particular description of goods.—Candy.
Claims use since Sept. 15, 1924.

Ser. No. 204,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHASE CANDY COMPANY, St. Joseph, Mo. Filed Nov. 6, 1924.

Chase's Z-BAR

No claim is made to the word "Bar" apart from the mark shown in the drawing.
Particular description of goods.—Candy.
Claims use since Sept. 15, 1924.

Ser. No. 204,976. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) PEERLESS MANUFACTURING COMPANY, Louisville, Ky. Filed Nov. 7, 1924.

PEERLESS

Particular description of goods.—Coal and Gas Stoves, Heaters, and Ranges; Screens and Spark Guards for Fireplaces, Andirons, and Fireplace Sets.
Claims use since about 1885.

Ser. No. 205,049. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CAMPBELL GAS ENGINE COMPANY, LIMITED, Kingston, Halifax, England. Filed Nov. 10, 1924. Under ten-year proviso.

CAMPBELL

Particular description of goods.—Oil Engines and Gas Engines.
Claims use since 1888.

Ser. No. 205,202. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) COMPAGNIE INDUSTRIELLE ET COMMERCIALE DU CYCLE ET DE L'AUTOMOBILE, Paris, France. Filed Nov. 18, 1924.

Cicco

Particular description of goods.—Bicycle Saddles, Foot Pedals, Vehicle Springs, Brakes, and Rear-Vision Mirrors.
Claims use since Aug. 29, 1924.

Ser. No. 205,751. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. GRAF & CO. AKTIENGESELLSCHAFT, Nuremberg, Germany. Filed Nov. 24, 1924.

Tebeprotin

Particular description of goods.—Medicinal Preparations for Treating Tuberculosis, Antitoxins for Preventing and Healing Tuberculosis.
Claims use since Aug. 1, 1923.

Ser. No. 205,811. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTSILK KNITTING MILLS INC., West New York, N. J. Filed Nov. 25, 1924.

MILO-SHEEN

Particular description of goods.—Knitted Artificial-Silk Fabrics.
Claims use since about Oct. 8, 1924.

Ser. No. 205,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDISON CITRUS ASSOCIATION, Edison, Calif. Filed Nov. 25, 1924.

WISDOM

Particular description of goods.—Fresh Oranges.
Claims use since about Sept. 15, 1924.

Ser. No. 206,045. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE B. WAGNER, New York, N. Y. Filed Nov. 29, 1924.

CALCIPHOS

Particular description of goods.—Nutrition Salt Derived from Grains Used as a Pharmaceutical Product.
Claims use since Feb. 19, 1924.

Ser. No. 206,082. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PARKS BROTHERS & ROGERS, INC., Providence, R. I. Filed Dec. 1, 1924.

KUF-LOK

Trade-mark consists of word "Kuf-Lok."
Particular description of goods.—Separable Cuff Buttons.
Claims use since Nov. 24, 1924.

Ser. No. 206,147. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARCADIA FRENCH PASTRY AND CANDY MFG. CO., New York, N. Y. Filed Dec. 3, 1924.

TWIRLS

Particular description of goods.—Nut Wafers.
Claims use since Aug. 10, 1923.

Ser. No. 206,203. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, INC., New York, N. Y. Filed Dec. 8, 1924.

CREPE

RIALTO

No claim is made to the word "Crepe" apart from the mark shown in the drawing.
Particular description of goods.—Cotton and Silk Piece Goods.
Claims use since Nov. 15, 1924.

Ser. No. 206,280. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DELTA FILE WORKS, Philadelphia, Pa. Filed Dec. 5, 1924.

"FILEAGE"

Particular description of goods.—Files.
Claims use since Dec. 4, 1924.

Ser. No. 206,344. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN CIRCULAR LOOM COMPANY, Pittsburgh, Pa., and New York, N. Y. Filed Dec. 6, 1924.

ELECTRODUCT

Particular description of goods.—Metal Conduits for Electrical Conductors.
Claims use since about July 1, 1898.

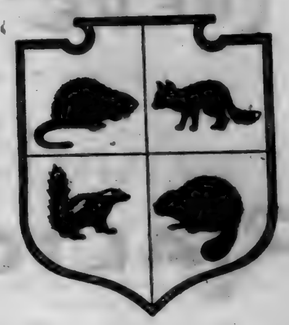
Ser. No. 206,422. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JOHN V. MASCOVICH, doing business as Hollywood Products Company and Hoyt's Products, Los Angeles, Calif. Filed Dec. 8, 1924.

"HOLLYWOOD DRY"

The word "Dry" is disclaimed apart from the mark as shown on the drawing.
Particular description of goods.—Ginger Ale.
Claims use since Sept. 25, 1924.

Ser. No. 206,490. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE NATIONAL FUR FARMS COMPANY, Hudson, Ohio. Filed Dec. 9, 1924.

THE NATIONAL FUR FARMS CO.



The representation of the animals is disclaimed apart from the mark as shown in said drawing.
Particular description of goods.—Pelts.
Claims use since Feb. 15, 1924.

Ser. No. 206,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRANDON-HUNTER COMPANY, Miami, Fla. Filed Dec. 10, 1924.

THE CRANDON-HUNTER CO. CRANCO BRAND MIAMI, FLORIDA TRADE MARK

No claim is made to the words "Brand," "Miami, Florida," and "Trade Mark" apart from the mark as shown.
Particular description of goods.—Proprietary Medicines.
Claims use since Nov. 1, 1924.

Ser. No. 206,537. (CLASS 32. GLASSWARE.) THE OHIO GLASS PRODUCTS COMPANY, Massillon, Ohio. Filed Dec. 10, 1924.

OHIO HI QUALITY

Applicant does not claim herein the exclusive right to the word "Ohio" or to the phrase "Hi Quality" except in combination with the letters so arranged that the complete mark may be read "Ohio Hi Quality."
Particular description of goods.—Glass Jars and Bottles.
Claims use since Aug. 28, 1924.

Ser. No. 206,577. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. A. HOVEY & Co., Boston, Mass. Filed Dec. 11, 1924.

TWIN PINE

Particular description of goods.—Butter and Eggs.
Claims use since June 16, 1924.

Ser. No. 206,599. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM R. SCOTT, Sacramento, Calif. Filed Dec. 11, 1924.



The portrait is that of applicant.
Particular description of goods.—Preparation for Dandruff, Falling Hair, and Itching Scalp.
Claims use since July 1, 1923.

Ser. No. 206,601. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) NATHAN STRAUS & SONS, INC., New York, N. Y. Filed Dec. 11, 1924.

ROYAL SCHWARZBURG

No claim is made to the word "Schwarzburg" apart from the mark shown in the drawing.
Particular description of goods.—Chinaware.
Claims use since Sept. 24, 1924.

Ser. No. 206,749. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRIEBE & SONS, INC., Chicago, Ill. Filed Dec. 15, 1924.

QUALITY PRIEBE BRAND

"Quality Brand" is disclaimed except in association with the rest of the mark.
Particular description of goods.—Dressed Poultry and Eggs.
Claims use since Mar. 1, 1921.

Ser. No. 206,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE SATIN SUGAR COMPANY, Minneapolis, Minn. Filed Dec. 15, 1924.

CATARACT A CO. FLOURING MILLS.

Particular description of goods.—Wheat Flour.
Claims use since about Jan. 1, 1869.

Ser. No. 206,773. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EASTERN STEEL CASTINGS, Newark, N. J. Filed Dec. 16, 1924.

EASTERN STEEL CASTINGS NEWARK

The word "Newark" is disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Steel, Iron, and Other Castings; Drop Forgings, and Cast and Forged Boiler Fittings.
Claims use since June 1, 1924.

Ser. No. 206,781. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DOROTHY GRAY, New York, N. Y. Filed Dec. 16, 1924. Trade-mark is a facsimile of applicant's signature.

Dorothy Gray

Particular description of goods.—Face Powders, Astringent Powder, Astringent Creams, Cleansing Cream, Bleach Creams, Reducing Creams, Tissue Creams, Depilatories, Skin Tonic, Pore Paste, Pore Lotion, Rouges,

Hair Tonic, Shampoo Paste, Eyedrops, Eye Lotion, Eyebrow and Eyelash Grower, Hand Lotion, Muscle Oil, Talcum Powder, Circulation Ointment, Dandruff Ointment, Reducing Salts, Sulphur Lotion, and Bath Crystals.

Claims use since 1916 on face powders, astringent powder, astringent creams, cleansing cream, bleach creams, tissue creams, depilatories, skin tonic, pore paste, pore lotion, rouges, hair tonic, shampoo paste, eyedrops, eye lotion, eyebrow and eyelash grower, hand lotion, muscle oil, and circulation ointment; since October, 1919, on dandruff ointment; since October, 1920, on reducing cream; since October, 1921, on talcum powder, sulphur lotion, reducing salts, and bath crystals.

Ser. No. 206,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HALFHILL PACKING CORP., Long Beach, Calif. Filed Dec. 16, 1924.

TUNIENTO

Particular description of goods.—Canned Fish, Canned Vegetables, and Relishes—Namely, Bell Peppers Stuffed with Tunny Fish and Garnished with Pimiento.
Claims use since Oct. 25, 1924.

Ser. No. 206,790. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BESHARA I. MALOUF, Brooklyn, N. Y. Filed Dec. 16, 1924.

Autovac

Particular description of goods.—Vacuum Cleaners Particularly Adapted for Cleaning Upholstery.
Claims use since Oct. 18, 1924.

Ser. No. 206,916. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANTONIO PALMIGIANO, Rochester, N. Y. Filed Dec. 18, 1924.

AIDA

Particular description of goods.—Canned Fish.
Claims use since Nov. 1, 1921.

Ser. No. 207,126. (CLASS 38. PRINTS AND PUBLICATIONS.) FAIRCHILD COMPANY, Chicago, Ill. Filed Dec. 23, 1924.

Boughton

Particular description of goods.—Nom de Plume Used on Magazine Articles.
Claims use since Aug. 7, 1912.

Ser. No. 207,191. (CLASS 39. CLOTHING.) KADET KRUGER CO., Chicago, Ill. Filed Dec. 24, 1924.

Jami

Particular description of goods.—Neckwear—Namely, Collars, Scarfs, Cravats, Neckties, and Mufflers.
Claims use since Oct. 1, 1924.

Ser. No. 207,216. (CLASS 39. CLOTHING.) WORTH, INC., New York, N. Y. Filed Dec. 24, 1924.

WORTH

The lining of trade-mark drawing is for shading only.
Particular description of goods.—Frocks, Dresses, Hose and Half Hose (of All Textures), One and Two Piece Bathing Suits, Beach Robes, Sweaters; Gloves of Wool, Leather, Fabric, and Combinations Thereof; Hose Supporters, Scarfs, Pyjamas, Bath Robes, Mufflers, Reefers, Belts; Slippers and Shoes of Leather, Calfskin, Satin, Brocade, Skin, Rubber, Felt and Wool, Fabric, or Combinations Thereof; Putties, Overgaiters, Spats, Bloomers, Petticoats, Tights, Pantalets, Aprons, Skirts, Nurses' Uniforms, Rompers, Wrappers, Waists, Brassières, Bodices, Corsets, Corset Covers, Bandeaux, Negligee, Sacks, Breakfast Robes, Blouses, Neckties, Overcoats, Collar and Cuff Sets, Boas, Vests, Sport Coats, Skirts, Leggings, Athletic Suits, Jackets, Coats, Hats, Caps, Sleeping Jackets, and Sport Suits for Ladies and Misses.
Claims use since December, 1918.

Ser. No. 207,223. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE DURIRON COMPANY, INC., Dayton, Ohio. Filed Dec. 26, 1924.

ALCUMITE

Particular description of goods.—Cast-Metal Pickling Crates of Corrosion-Resisting Composition, Cast-Metal Jet Members of Corrosion-Resisting Composition, Cast-Metal Pipe Fittings of Corrosion-Resisting Composition, and Cast-Metal Valve Parts of Corrosion-Resisting Composition.
Claims use since Apr. 9, 1923.

Ser. No. 207,302. (CLASS 12. CONSTRUCTION MATERIALS.) THE J. E. HARRIS COMPANY, Wooster, Ohio. Filed Dec. 27, 1924.

CARBO-LASTIC

Particular description of goods.—Asbestos Compounds for Waterproofing Roofs and the Like.
Claims use since Apr. 1, 1923.

Ser. No. 207,303. (CLASS 12. CONSTRUCTION MATERIALS.) THE J. E. HARRIS COMPANY, Wooster, Ohio. Filed Dec. 27, 1924.

CARBESTIC.

Particular description of goods.—Asbestos Compounds for Waterproofing Roofs and the Like.
Claims use since Feb. 1, 1924.

Ser. No. 207,371. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924.

Baker's Choice

Particular description of goods.—Oleomargarine.
Claims use since Jan. 1, 1910.

Ser. No. 207,387. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM HENRY JOSEPH KAVANAGH, Chicago, Ill. Filed Dec. 29, 1924.

BAKE - BOIL - MASH
GENUINE
SNOWFLAKE
POTATOES
EXTRA SELECT
KAVANAGH - CHICAGO

Applicant disclaims all the words except "Genuine Snowflake" apart from the mark as shown in the drawing.
Particular description of goods.—Potatoes.
Claims use since Oct. 1, 1918.

Ser. No. 207,407. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) M. C. SAYLOR & CO., Brooklyn, N. Y. Filed Dec. 29, 1924.

AMPLIDYNE

Particular description of goods.—Radioreproducers—Namely, Radio Loud Speakers and Loud-Speaker Units and Radio Loud-Speaker Attachments for Phonographs.
Claims use since Sept. 1, 1924.

Ser. No. 207,422. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOHN WANAMAKER, NEW YORK, New York, N. Y. Filed Dec. 29, 1924.

Carnival

Particular description of goods.—Radio Receiver Sets, Radio A Storage Batteries, Radio B Batteries, Radio Loud Speakers, Radioplugs, Radio Antenna Equipment, and Radiotubes.
Claims use since Nov. 28, 1924.

Ser. No. 207,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADA L. PARKER, doing business as Wa-Ne-Gah Medicine Company, Oshkosh, Wis. Filed Dec. 30, 1924.

WA-NE-GAH

Particular description of goods.—Hair Tonic, Healing Salve, Healing Oil, Preparation for Removing Corns, Preparation for Catarrh, and Tooth Paste.
Claims use since Oct. 12, 1922.

Ser. No. 207,486. (CLASS 10. FERTILIZERS.) BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-Rhine, Germany. Filed Dec. 31, 1924.

BA
SF

Particular description of goods.—Fertilizers.
Claims use since 1921.

Ser. No. 207,487. (CLASS 10. FERTILIZERS.) BADISCHE ANILIN- & SODA-FABRIK, Ludwigshafen-on-the-Rhine, Germany. Filed Dec. 31, 1924.

Floranid

Trade-mark consists in the word "Floranid."
Particular description of goods.—Fertilizers.
Claims use since May, 1924.

Ser. No. 207,538. (CLASS 39. CLOTHING.) THE YORKE SHIRT COMPANY, Glens Falls and New York, N. Y. Filed Dec. 31, 1924.

Omega Shrunk

No claim is made to the word "Shrunk" apart from the mark shown.

Particular description of goods.—Negligee and Dress Shirts.

Claims use since Oct. 1, 1924.

Ser. No. 207,540. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACME PRODUCTS COMPANY, New Orleans and De Quincy, La. Filed Jan. 2, 1925.

QUALITY ACME SERVICE

No claim is made to the exclusive use of the words "Quality" and "Service" apart from the mark shown in the drawing.

Particular description of goods.—Pine Oil for Use in Disinfectants, Insecticides, Deodorants, Medicinal and Pharmaceutical Preparations, Perfumery, Chemicals, Shampoo Preparations, Mosquito Repellent Lotions, Rubber-Reclaiming Compositions, Waterproofing Compositions, and Preparations Used in the Manufacture of Patent Leather.

Claims use since Oct. 15, 1922.

Ser. No. 207,658. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMUEL EISEMAN & CO. INC., New York, N. Y. Filed Jan. 5, 1925.

Wheels within Wheels Perplex Prints

No claim is made to the exclusive use of the word "Prints" apart from the mark as shown on the drawing.

Particular description of goods.—Prints in the Piece.

Claims use since Dec. 4, 1924.

Ser. No. 207,745. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed Jan. 6, 1925.

Jiffy

Particular description of goods.—Sanitary Bloomers.

Claims use since March, 1922.

Ser. No. 207,791. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LOEFFLER, BREWER & CO., INC., New York, N. Y. Filed Jan. 7, 1925.

EVERGLOW

Trade-mark consists in the word "Everglow."

Particular description of goods.—Cotton and Cotton and Silk Mixed Goods in the Piece.

Claims use since March, 1921.

Ser. No. 207,803. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TIFFANY MANUFACTURING COMPANY, Newark, N. J. Filed Jan. 7, 1925.

TMCO

Particular description of goods.—Automobile Parking Lamps, Automobile Signal Lamps, Electric Switches, Electric Horn Buttons, and Timer Distributors.

Claims use since on or about Dec. 1, 1924.

Ser. No. 207,835. (CLASS 39. CLOTHING.) TOBIAN BROTHERS COMPANY, Evansville, Ind. Filed Jan. 8, 1925.

Lynx

Particular description of goods.—Sweaters; Men's, Women's, and Children's Caps and Hats; Infants' Bootees, Scarfs, and Dress, Work, and Negligee Shirts.

Claims use since December, 1889.

Ser. No. 207,884. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Jan. 9, 1925.

Storm King PLASTIC CEMENT

No claim is made to the words "Plastic Cement" apart from the mark shown.

Particular description of goods.—Plastic Cement Used for Resurfacing Building Roofs and the Stoppage of Leaks in Various Buildings and Other Structures.

Claims use since Sept. 1, 1924.

Ser. No. 207,890. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) RUTLEDGE AND TAYLOR COAL COMPANY, Chicago, Ill. Filed Jan. 9, 1925.

LIVINGSTON Coals of Character SECURITY

The words "Coals of Character" are disclaimed apart from the design submitted with the application.

Particular description of goods.—Coal.

Claims use since 1912.

Ser. No. 207,922. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL PRODUCTS MANUFACTURING COMPANY, Providence, R. I. Filed Jan. 10, 1925.

DYMAC

Particular description of goods.—Loud-Speaking Telephones, Telephone Receivers, Transformers, Telephone Jacks, Rheostats, Inductance Coils, Condensers, and Switches.

Claims use since Aug. 29, 1923.

Ser. No. 207,978. (CLASS 39. CLOTHING.) THE FASHION HAT FRAME CO., New York, N. Y. Filed Jan. 12, 1925.

FASHION AT FRAME N Y FASHION FRAME

The words "Fashion Frame, Trade-Mark" and the initials "N. Y." are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Ladies' and Children's Hat Frames.

Claims use since November, 1918.

Ser. No. 207,981. (CLASS 2. RECEPTACLES.) FLEISHHACKER PAPER BOX CO., San Francisco, Calif. Filed Jan. 12, 1925.

RAINBOW GIFT BOX

The words "Gift Box" are disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Paper Boxes and Paper Cartons.

Claims use since Dec. 1, 1924.

Ser. No. 208,030. (CLASS 39. CLOTHING.) WALTER G. BECKER, Philadelphia, Pa. Filed Jan. 13, 1925.

Walter G. Becker Himself

The inscription "Walter G. Becker Himself" is a facsimile signature of the applicant.

Particular description of goods.—Men's Furnishings—viz, Bathing Suits, Bath Robes, Belts for Personal Wear, Collars (Soft and Stiff), Caps for Men and Boys, Dressing Robes, Dress Vests, Flannel Trousers, Golf Hose, Garters, Leather Gloves, Hosiery, Hats for Men and Boys (Stiff and Soft), Knickers, Lounging Robes, Neckties, Overcoats, Nightshirts, Pyjamas, Shirts (Dress and Negligee), Suspenders, Scarfs, Mufflers, Sport Vests, Sweaters, Suits for Men and Boys (Business and Dress), Sport Suits for Men and Boys, Shoes and Slippers of Leather, Underwear of Textile Fabric, and Smoking Jackets.

Claims use since about November, 1909.

Ser. No. 208,073. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHERMAN AND COMPANY, New York, N. Y. Filed Jan. 13, 1925.

WIERAM BRAND



EVAPORATED MILK

Applicant makes no claim to the words "Brand" and "Evaporated Milk."

Particular description of goods.—Evaporated Milk.

Claims use since Dec. 30, 1924.

Ser. No. 208,002. (CLASS 39. CLOTHING.) FRED D. BULL, Ithaca, N. Y. Filed Jan. 14, 1925.

Dr Earl's ARCH SUPPORT

No claim is herein made to the words "Arch Support" alone or apart from the mark as shown in the drawing.

Particular description of goods.—Leather Shoes.

Claims use since about Dec. 1, 1922.

Ser. No. 208,111. (CLASS 39. CLOTHING.) SHEPARD NORWELL CO., Boston, Mass. Filed Jan. 14, 1925.

Shepardess

Particular description of goods.—Dry Goods—Namely, Negligee and Under Shirts, Skirts, Shirt Waists, Women's and Children's Hats; Women's and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material; Hosiery, Knitted and Textile Fabric Undergarments; Women's and Children's Coats, Wraps, Dresses; Women's and Children's Gloves of Leather, Fabric, or Combinations Thereof; Corsets, Brassières, Women's and Children's Knickers.

Claims use since Aug. 1, 1924.

Ser. No. 208,124. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM J. BENJAMIN, doing business as Benjamin Drug Co., Midland Park, N. J. Filed Jan. 15, 1925.

WJB

Particular description of goods.—Gas and Dyspepsia Tablets, Laxative Herb Tablets, Head-Cold Tablets, Cough Sirup, Complexion Wafers, Cathartic Tablets, Pile Ointment, Headache Tablets, Eczema Salve, Liniment Oil Liniment, Healing Salve; Beef, Iron, and Wine Tonic; Rheumatic Tablets, Kidney and Liver Tablets, Menthol Salve, Iron and Manganese Tonic Tablets, Aspirin Tablets, Quinine Pills, Castor Oil, Camphorated Oil, Spirits of Camphor, Glycerin, Peppermint Essence, Jamaica Ginger Essence, Perfumeries, Toilet Waters and Face Creams, Sweet Spirits Niter, Witch-Hazel, Brilliantine, Coconut-Oil Shampoo, Hair Comb Cream, Hairdressing, Hair-Curling Liquid, Hair Pomade, Dandruff Remedy, Quinine Hair Tonic, Sage Hair Tonic, After-Shave Lotion, Bay Rum, Cold Cream, Face Powder, White Face Powder, Flesh Face Powder, Liquid Face Powder, Eyebrow Pencil, Lip Stick, Face-Powder Compacts, Rouge, Hand and Face Lotion, Tooth Paste, White-Lilac Talcum, Foot-Relief Powder, Liquid Deodorant, Antiseptic Healing Powder, Rouge Compact, Hair Straightener, Pressing Oil, Cuticle Remover, Nail Bleach, Nail Cream, and Nail Polish.

Claims use since May 22, 1924.

Ser. No. 208,155. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM G. MOTION, Los Angeles, Calif. Filed Jan. 15, 1925.

AQUA NATURAL O FISH FOOD

No claim is made to the words "Natural Fish Food" apart from the mark shown in the drawing.

Particular description of goods.—Fish Food.

Claims use since June 15, 1924.

Ser. No. 208,167. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SUPERIOR METAL PRODUCTS, INC., Greeley, Colo. Filed Jan. 15, 1925.

TIRE NEVERSLIP SERIES CHAIN

Applicant disclaims the words "Never Slip Tire Chains" and the word "Series" apart from the other features of the mark as shown by the drawing.

Particular description of goods.—Automobile Tire Chains.

Claims use since Nov. 17, 1924.

Ser. No. 208,175. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y. Filed Jan. 16, 1925.

"CELATON"

Particular description of goods.—Knitted, Netted, and Textile Fabrics in the Piece Made Principally from a Mixture of Cotton and Cellulose-Acetate Artificial Silk.

Claims use since Dec. 29, 1924.

Ser. No. 208,180. (CLASS 39. CLOTHING.) WALTER G. BECKER, Philadelphia, Pa. Filed Jan. 16, 1925.

"Valbeck"

Particular description of goods.—Men's Furnishings—viz, Bathing Suits, Bath Robes, Belts for Personal Wear, Collars (Soft and Stiff), Caps for Men and Boys, Dressing Robes, Dress Vests, Flannel Trousers, Golf Hose, Garters, Gloves of Leather, Hosiery, Hats for Men and Boys (Stiff and Soft), Knickers, Lounging Robes, Overcoats, Neckties, Nightshirts, Pyjamas, Shirts (Dress and Negligee), Suspenders, Scarfs, Mufflers, Sport Vests, Sweaters, Suits for Men and Boys (Business and Dress), Sport Suits for Men and Boys, Shoes and Slippers of Leather, Underwear of Textile Fabric, and Smoking Jackets.

Claims use since about May, 1915.

Ser. No. 208,182. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CORNELL WOOD PRODUCTS COMPANY, Cornell, Wis., and Chicago, Ill. Filed Jan. 16, 1925.

RADIOTEX

Particular description of goods.—Radiopanels, Switchboard Panels, and Insulated Composition Boards Adapted for the Mounting, Attaching to, or Holding of Any and All Kinds of Electrical Apparatus, Machines, and Equipment.

Claims use since Nov. 18, 1924.

Ser. No. 208,202. (CLASS 12. CONSTRUCTION MATERIALS.) THE JOHN LESLIE PAPER COMPANY, Minneapolis, Minn. Filed Jan. 16, 1925.



RHINOROP

Particular description of goods.—Building Papers.

Claims use since on or about Nov. 12, 1924.

Ser. No. 208,264. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARCUS SINGER, New York, N. Y., assignor to X-Akt Radio Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 17, 1925.

X AKT X

Particular description of goods.—Vernier Dials for Radio Apparatus.

Claims use since Jan. 9, 1925.

Ser. No. 208,275. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Jan. 19, 1925.

BAYER

Particular description of goods.—Insecticides, Fungicides, Rodenticides, Economic Poisons, and Disinfectants.

Claims use since Dec. 6, 1924.

Ser. No. 208,375. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MATTHEW CHARLES BELIKAN, Chicago, Ill. Filed Jan. 21, 1925.



The word "Products," which is descriptive, is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Furniture and Automobile Polish Possessing the Properties of a Cleaner.

Claims use since May 1, 1924.

Ser. No. 208,387. (CLASS 39. CLOTHING.) EARL & WILSON, Troy, N. Y. Filed Jan. 21, 1925.

EARL & WILSON

Particular description of goods.—Dress, Negligee, Sport, and Under Shirts, Collars, and Cuffs.
Claims use since 1872.

Ser. No. 208,396. (CLASS 12. CONSTRUCTION MATERIALS.) HIMMEL BROTHERS, New Haven, Conn. Filed Jan. 21, 1925.

HIMCO

Particular description of goods.—Construction Materials—Namely, Copper Corner Bars, Division Bars, Copper Moldings, and Copper Sills.
Claims use since Feb. 15, 1921.

Ser. No. 208,409. (CLASS 12. CONSTRUCTION MATERIALS.) LATEX PRODUCTS, INC., New York, N. Y. Filed Jan. 21, 1925.



The words "Rubber Latex" and "Seamless Rubber Flooring" are disclaimed.
Particular description of goods.—Flooring Composed of Rubber Latex Reenforced Principally with Asbestos Fiber Applied in a Plastic State to Form a Seamless Rubber Surface.
Claims use since Nov. 17, 1924.

Ser. No. 208,416. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW ENGLAND AUTO PRODUCTS COMPANY, New Haven, Conn. Filed Jan. 21, 1925.

NEAPCO

Particular description of goods.—Universal Joints and Parts Thereof and Joints and Component Parts Entering into the Construction of Joints for Automotive Replacement Parts.
Claims use since Oct. 1, 1923.

Ser. No. 208,417. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NEW YORK YACHT, LAUNCH & ENGINE CO., Morris Heights, New York, N. Y. Filed Jan. 21, 1925.

20TH CENTURY

Particular description of goods.—Gasoline Marine Motors and Internal-Combustion Engines.
Claims use since Jan. 1, 1902.

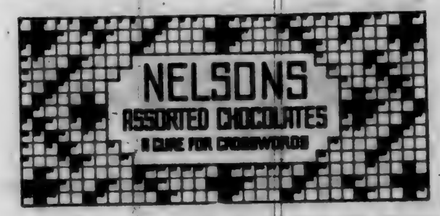
Ser. No. 208,456. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUEL COUCH, doing business as Kan Eater Co., Sioux City, Iowa. Filed Jan. 22, 1925.



KAN EATER

Applicant disclaims the exclusive right to the representation of the can opener and the can.
Particular description of goods.—Can Openers.
Claims use since Jan. 1, 1925.

Ser. No. 208,531. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NELSON-DASHIELL COMPANY, Baltimore, Md. Filed Jan. 23, 1925.



No claim is made to the descriptive written matter shown on the drawing consisting of the words "Nelsons Assorted Chocolates a Cure for Crosswords" apart from the mark as a whole.
Particular description of goods.—Candy.
Claims use since Jan. 5, 1925.

Ser. No. 208,537. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITY COTTON MILLS, La Grange, Ga. Filed Jan. 23, 1925.

CORDS
CALLAMIL
TIRE FABRICS

No claim is made to the use of the words "Cords, Tire and Fabrics" apart from the trade-mark shown on the drawing.
Particular description of goods.—Cord Fabrics, Chafer Fabrics, Liner Fabrics and Like Cotton Goods in the Piece Used for Vehicle Tires and for Other Purposes.
Claims use since Dec. 5, 1924.

Ser. No. 208,538. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) UNITY COTTON MILLS, La Grange, Ga. Filed Jan. 23, 1925.



The lining appearing on the drawing is not intended to represent any particular color and is for the purpose of forming a background and to constitute a feature of the design of applicants' trade-mark.
Particular description of goods.—Hose and Belting Duck, which is a Cotton-Goods Product in the Piece Manufactured Principally into Garden Hose, Air-Brake Hose, Plain Fabric Belting, Oiled Fabric Belting, and for Rubberized Fabric Belting, and for Other Purposes.
Claims use since Dec. 5, 1924.

Ser. No. 208,546. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ADAMS & ELTING CO., Chicago, Ill. Filed Jan. 24, 1925.

Cel-O-Finish

No claim is made to the word "Finish" apart from the mark as shown on the drawing.
Particular description of goods.—Wood Lacquer, Thinner, Clear Lacquer, White-Oil Primer, Sanding Surfacer; Dry, Paste or Ready-Mixed Paints; Black Crackle Lacquer, and Lacquer Enamel.
Claims use since Oct. 20, 1924.

Ser. No. 208,591. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HOFF METAL PRODUCTS COMPANY, New York, N. Y. Filed Jan. 24, 1925.



Particular description of goods.—Tire Chains.
Claims use since Nov. 1, 1924.

Ser. No. 208,610. (CLASS 39. CLOTHING.) ROBERTS-FRANK COMPANY, Chicago, Ill. Filed Jan. 24, 1925.

Princess Glow

Particular description of goods.—Ladies' Vests, Slips, Petticoats, Nightgowns, Pyjamas, Bloomers, Step-ins, Chemises, Union Suits of Textile Fabrics, and Knitted Skirts and Sweaters.
Claims use since July 8, 1924.

Ser. No. 208,647. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FOUKE FUR COMPANY, St. Louis, Mo. Filed Jan. 26, 1925.



Particular description of goods.—Sealskins.
Claims use since May 8, 1924.

Ser. No. 208,723. (CLASS 43. THREAD AND YARN.) S. & H. DYEING CO. INC., West New York, N. J. Filed Jan. 27, 1925.

ORGAN

FINISH

Applicant disclaims the term "Finish" apart from the mark as shown on the drawing.

Particular description of goods.—Thread and Yarn.

Claims use since Oct. 6, 1924.

Ser. No. 208,731. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) F. A. WHITNEY CARRIAGE CO., Leominster, Mass. Filed Jan. 27, 1925.

PULLMANETTE

Particular description of goods.—Light Vehicles—Namely, Baby Carriages.

Claims use since Jan. 3, 1925.

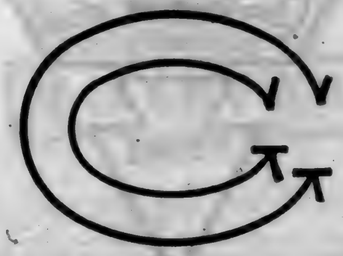
Ser. No. 208,744. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) L. DINKELSPIEL CO. INC., San Francisco, Calif. Filed Jan. 28, 1925.

QUEENSHEEN

Particular description of goods.—Satin Piece Goods.

Claims use since about July, 1924.

Ser. No. 208,758. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GEORGE GOLDBERG, INC., New York, N. Y. Filed Jan. 28, 1925.



Particular description of goods.—Jewelry, and More Particularly Ring Mountings.

Claims use since Jan. 19, 1925.

Ser. No. 208,794. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CLEVELAND TRENCHER COMPANY, Cleveland, Ohio. Filed Jan. 29, 1925.

BABY DIGGER

The word "Digger" is disclaimed.

Particular description of goods.—Trench-Digging Machines.

Claims use since Jan. 2, 1925.

Ser. No. 208,803. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) A. B. FARQUHAR COMPANY, LIMITED, York, Pa. Filed Jan. 29, 1925.

FARQUHAR

Particular description of goods.—Plows, Plowstocks, Hay Presses; Grain Separators, Thrashers, and Cleaners; Lumber Edgers, Steam Engines, Gas Engines, Gasoline Engines, Sawmills, Shingle Mills, Corn Shellers, Tufting Presses, Veneer Presses, Hot-Plate Presses, Cottonseed-Oil Presses, Die Presses, Fiber Presses, Vulcanizing Presses, Curb Presses, Peanut Pickers, Steam Tractors, Gasoline Tractors, Tank Wagons With Pumps, Corn Planters, Harrows, Pea Hullers, Bean Thrashers, Pea Thrashers, Feed Cutters, Feed Grinders, Cultivators, Cider Presses, Water Drawers, Cotton Planters, Grain Drills, Power Boilers With Engines, Hydraulic Presses, Hydraulic Pumps, Fertilizer Distributors, and Structural Parts for the Foregoing.

Claims use since 1889.

Ser. No. 208,817. (CLASS 39. CLOTHING.) PHILIP MILLER, doing business as The Miller Overall Mfg. Co., Shelbyville, Ind. Filed Jan. 29, 1925.

BIG 6

Particular description of goods.—Men's Overalls, Jackets, and Overall Union Suits; Children's Play Suits and Rompers.

Claims use since Oct. 15, 1915.

Ser. No. 208,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CERBOS, LIMITED, Durham, and London, England. Filed Jan. 30, 1925.



Particular description of goods.—Preparation for Thickening, Coloring, and Seasoning Gravy, Soups, and Stews.

Claims use since Jan. 1, 1922.

Ser. No. 208,872. CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEORGE SCHER, doing business as Weber & Scher Mfg. Co., Newark, N. J. Filed Jan. 30, 1925.

WEBSCHER

Particular description of goods.—Production Machines and Tools—Namely, Coil-Winding Machines and Subpresses and Other Special Machines Built to Order for Various Classes and Kinds of Production Work.

Claims use since Dec. 17, 1924.

Ser. No. 208,886. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EZRA IRVIN, Hamtramck, Mich. Filed Jan. 22, 1925.

EVER-GREEN

Particular description of goods.—Tonic for Hair and Scalp.

Claims use since January, 1924.

Ser. No. 208,898. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SUSANNA COCROFT LABORATORIES, INC., New York, N. Y. Filed Jan. 31, 1925.

SKINTONE

Particular description of goods.—Face Masks and Skin-Treating Appliances.

Claims use since August, 1924.

Ser. No. 208,928. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y. Filed Jan. 31, 1925.

PI

Particular description of goods.—Compasses, Banking Indicators, Turn Indicators, Pitching Indicators, Air-Speed Indicators, Air-Distance Recorders, Pilot Tubes, Venturi Tubes, Altimeters, Aerial Cameras, Rate-of-Climb Indicators, Vertimeters, Gasoline Gauges, Manometers (Indicating and Recording), Drift Indicators, Tachometers, Statoscopes, Inclinometers, Depth Indicators, Ships' Logs, Course and Distance Indicators, Aircraft Speed and Distance Indicators, Aircraft Speedometers, Electric Turn Indicators, Electric Pitch Indicators, Electric Compasses, Earth Inductor Compasses, Tachometer Systems, Electric Tachometer Systems, Bomb Sights, Electric Bomb Sights, Telemetric Apparatus, Electric Aircraft Speedometers, Aircraft Speed and Distance Indicators, Electric Aircraft Speed and Distance Indicators, Accelerometers, Air-Speed Recorders, Ballonet Indicators, Barographs, Navigation Calculators, Flight Indicators, Fuel-Flow Indicators, Sextants, Tension Meters, Stabilizers, Gyroscopic Apparatus, Control Systems for Internal-Combustion-Engine Superchargers, Electric Stabilizers, Electric Gyroscopic Apparatus.

Claims use since Aug. 23, 1924.

Ser. No. 208,929. (CLASS 45. BEVERAGES, NONALCOHOLIC.) WILLIAM P. SCHRAMM, Brooklyn, N. Y. Filed Jan. 31, 1925.

ORIGINAL GOLD CROWN Whis-te

Particular description of goods.—Nonalcoholic, Malt-less Beverages and Cordials Sold as Soft Drinks and Sirups and Extracts Used in the Preparation of Same.

Claims use since Jan. 27, 1925.

Ser. No. 208,984. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOCKING VALLEY MFG. CO., Lancaster, Ohio. Filed Feb. 2, 1925.

HOCKING VALLEY

Particular description of goods.—Farming Implements—Namely, Feed Cutters, Corn Shellers, Cider Mills, Fruit and Wine Presses, Root Cutters, Hay Loaders, Hammer-Mill Feeders; Hay Rakes, Tedders, and Loaders.

Claims use since October, 1869.

Ser. No. 208,986. (CLASS 39. CLOTHING.) INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind. Filed Feb. 2, 1925.

BULL'S EYE

Particular description of goods.—Fabric and Combination Fabric and Leather Gloves.
Claims use since January, 1924.

Ser. No. 209,007. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCHNELLPRESSENFABRIK AKT.-GES. HEIDELBERG, Heidelberg, Germany. Filed Feb. 2, 1925.

Particular description of goods.—Machines and Machine Parts for the Printing and Bookbinding Industry and Kindred Industries, Especially High-Speed Book-Printing Machines, Automatic and Ordinary Platen Presses, Flat Composition and Rotatory Stereotype Presses, Offset Machines, Lithographic High-Speed Presses, Sheet-Metal-Printing Machines, Auxiliary Book-Printing and Bookbinding Machines.
Claims use since Feb. 1, 1919.

Ser. No. 209,024. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) JOHN L. COLEMAN, New York, N. Y. Filed Feb. 3, 1925.

DEAREST

Particular description of goods.—Jewelry—viz, Finger Rings.
Claims use since Jan. 20, 1925.

Ser. No. 209,030. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE FITGER COMPANY, Duluth, Minn. Filed Feb. 3, 1925.

Silver Spray

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.
Claims use since Dec. 18, 1924.

Ser. No. 209,033. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GILBERT & CO. INC., New York, N. Y. Filed Feb. 3, 1925.

BIRTHFLOWER

Trade-Mark consists of the word "Birthflower."
Particular description of goods.—Watches.
Claims use since Nov. 9, 1924.

Ser. No. 209,063. (CLASS 39. CLOTHING.) JOHN R. MUNN, doing business as J. R. Munn Co., New York, N. Y. Filed Feb. 3, 1925.

Lunnun-Mall

Trade-mark consists of the word "Lunnun-Mall."
Particular description of goods.—Men's Clothing—viz, Coats, Suits, and Knickers; and Men's Haberdashery, Ties, Dress and Negligee Shirts, Gloves, and Scarfs.
Claims use since Jan. 16, 1925.

Ser. No. 209,059. (CLASS 39. CLOTHING.) ABRAHAM STEIN, Washington, D. C. Filed Feb. 3, 1925.

THE ENTERPRISE

Particular description of goods.—Shoe Soles.
Claims use since Jan. 10, 1921.

Ser. No. 209,062. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SULLIVAN SMYTHEFIELD COMPANY, Philadelphia, Pa. Filed Feb. 3, 1925.

HOLDFAST COLORS

Applicant disclaims exclusive right to the use of the word "Colors" except in connection with the mark as shown.
Particular description of goods.—Woven Textile Fabrics Made of Cotton, Cotton and Silk, Cotton and Artificial Silk, Cotton and Wool, and Linen.
Claims use since Jan. 1, 1925.

Ser. No. 209,112. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) VERMONT FARM MACHINERY COMPANY, Bellows Falls, Vt. Filed Feb. 4, 1925.

Everybody's

Particular description of goods.—Clothes-Washing Machines and Wringer Mechanisms.
Claims use since Aug. 1, 1924.

Ser. No. 209,113. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILBUR GLENN VOLIVA, doing business as Zion Institutions & Industries, Zion, Ill. Filed Feb. 4, 1925.

KEWTIE KAR

No claim is made to the exclusive use of the word "Kar" apart from the mark as shown in the drawing.
Trade-Mark consists of the words "Kewtie Kar."
Particular description of goods.—Combined Baby Walker and Car.
Claims use since Feb. 1, 1924.

Ser. No. 209,114. (CLASS 39. CLOTHING.) WEINGARTEN BROS., New York, N. Y. Filed Feb. 4, 1925.

W·B· Doublette

Particular description of goods.—Brassières, Girdles, Corsets, Combinations of Brassières and Girdles, and Combination of Brassières and Corsets.
Claims use since Dec. 15, 1924.

Ser. No. 209,143. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SODASTREAM LIMITED, Camden Town, London, England. Filed Feb. 5, 1925.

VANTAS

Particular description of goods.—Soda Fountains and Parts Thereof.
Claims use since May 23, 1924.

Ser. No. 209,175. (CLASS 39. CLOTHING.) RELIANCE MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 6, 1925.

KRIKET KLOTH

The drawing is lined for green. No claim is made herein to an exclusive right in the word "Cloth" apart from the mark shown.
Particular description of goods.—Men's and Boys' Work Shirts and Boys' Blouses.
Claims use since Jan. 22, 1925.

Ser. No. 209,177. (CLASS 12. CONSTRUCTION MATERIALS.) THE RIVET-GRIP STEEL COMPANY, Cleveland, Ohio. Filed Feb. 6, 1925.

RIVET-GRIP

Particular description of goods.—Steel Joists, Bank Vault Reenforcement, and Concrete Reenforcement for Floors and Walls.
Claims use since about June 1, 1915.

Ser. No. 209,215. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HESS, GOLDSMITH & CO., INC., New York, N. Y. Filed Feb. 7, 1925.

Challe Bobé

No claim is made to the word "Challi" apart from the word "Challe" shown in connection with the rest of the mark.

Particular description of goods.—Silk Piece Goods.

Claims use since Feb. 1, 1925.

Ser. No. 209,228. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. & W. LINDT, Berne, Switzerland. Filed Feb. 7, 1925.



MARQUE DEPOSÉE

LE PRODUIT DE SANTÉ

„HERCULAN"

DIE KRAFTNAHRUNG

IL RINVIGORITORE

A. W. Lindt

All reading matter except "Herculan" and applicant's name is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Dietetical Products Consisting of a Mixture of Malt, Eggs, Milk, Oats, and Cacao Foods and Ingredients of Foods.

Claims use since Nov. 26, 1923.

Ser. No. 209,231. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DANIEL MILLER COMPANY, Baltimore, Md. Filed Feb. 7, 1925.

LADY BALTIMORE

Particular description of goods.—Cotton, Silk, and Woolen Piece Goods; Cotton and Linen Sheets, Cotton and Linen Pillowcases, and Cotton and Linen Towels.

Claims use since Jan. 5, 1923.

Ser. No. 209,245. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PRATT COAL CO., Boston, Mass. Filed Feb. 7, 1925.

Solves the Burning Question

Particular description of goods.—Coal.

Claims use since Dec. 15, 1923.

Ser. No. 209,272. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) EDWARD E. BARTRAM, Los Angeles, Calif. Filed Feb. 9, 1925.

VARSITY JR.,

Particular description of goods.—Spinning Tops.

Claims use since Jan. 27, 1925.

Ser. No. 209,276. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Feb. 9, 1925.

DURDID

Particular description of goods.—Billiard and Pocket-Billiard Balls.

Claims use since July 1, 1924.

Ser. No. 209,279. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CRAWFORD JOHNSON & CO., Birmingham, Ala. Filed Feb. 9, 1925.

Trufru

Particular description of goods.—Nonalcoholic, Maltless, Carbonated Beverages and Sirups for Compounding Same.

Claims use since Jan. 30, 1925.

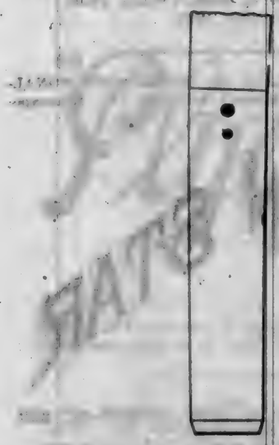
Ser. No. 209,280. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) CRAWFORD JOHNSON & CO., Birmingham, Ala. Filed Feb. 9, 1925.

Honeysip

Particular description of goods.—Nonalcoholic, Maltless, Carbonated Beverages and Sirups for Compounding Same.

Claims use since Jan. 30, 1925.

Ser. No. 209,282. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) DELACOUR & LEWIS CORPORATION, New York, N. Y. Filed Feb. 9, 1925.



The representation of a pipe appearing on the facsimiles is disclaimed apart from the mark as shown. Two yellow dots of different size located upon the pipe mouthpiece and arranged in spaced relation longitudinally of said mouthpiece.

Particular description of goods.—Tobacco Pipes.

Claims use since Jan. 20, 1925.

Ser. No. 209,306. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) MCLEOD LEATHER & BELTING CO., Greensboro, N. C. Filed Feb. 9, 1925.

GREY HOUND

Particular description of goods.—Leather Belting Used for Power Transmission.

Claims use since March, 1921.

Ser. No. 209,309. (CLASS 43. THREAD AND YARN.) MONOMAC SPINNING COMPANY, Boston, Mass. Filed Feb. 9, 1925.

MONOGLOS

Particular description of goods.—Yarns of Wool and Silk.

Claims use since February, 1924.

Ser. No. 209,318. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PORTAGE WHOLESALE GROCERY CO., Portage, Wis. Filed Feb. 9, 1925.

AUNT SALLY

Particular description of goods.—Peanut Butter, Olives, Salad Dressing, Mayonnaise, Pickles, Wheat Flour, Canned Fish, Mustard, Vinegar, Spices, Food-Flavoring Extracts, and Coffee.

Claims use since May, 1922.

Ser. No. 209,320. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRENTIL CORPORATION, Poland, N. Y. Filed Feb. 9, 1925.

PRENTIL TABLETS

No claim is made to the exclusive use of the word "Tablets" apart from the mark shown in the drawing.

Particular description of goods.—Tablets for Pain, Headache, Toothache, Earache, Neuralgia, Lumbago, Insomnia (Sleeplessness), Rheumatism, and Other Painful Conditions; Also in Fever, Colds, and Grippe.

Claims use since Jan. 7, 1924.

Ser. No. 209,343. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOLLEY CARBURETOR COMPANY, Detroit, Mich. Filed Feb. 10, 1925.

HOLLEY METAL

No claim is made for the word "Metal" apart from the mark shown on the drawing.

Particular description of goods.—Gray-Iron Pistons.

Claims use since November, 1924.

Ser. No. 209,345. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. A. HUSTON & Co., Portland, Me. Filed Feb. 10, 1925.

Ebonmeal

Particular description of goods.—Crackers.
Claims use since Jan. 17, 1925.

Ser. No. 209,374. (CLASS 39. CLOTHING.) AMERICAN HEEL Co., Nashua, N. H. Filed Feb. 11, 1925.

NASHWAY

Particular description of goods.—Heels Made of Wood, Leather, and Leatherboard.
Claims use since about Jan. 29, 1925.

Ser. No. 209,392. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FUNNIES, Chicago, Ill. Filed Feb. 11, 1925.

FUNNIES

Particular description of goods.—Card Games.
Claims use since Nov. 8, 1924.

Ser. No. 209,416. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM JOHN LOWRY, doing business as Punctual Pharmacals, Windsor Hills, Baltimore, Md. Filed Feb. 11, 1925.

FEM-CAPS

Particular description of goods.—Preparation for the Treatment of Cramps, Colic, Spasms, Asthma, Hiccoughs, and Internal Smooth Muscle Pain.
Claims use since Oct. 18, 1924.

Ser. No. 209,418. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAHEF MILLING Co., Omaha, Nebr. Filed Feb. 11, 1925.

DINNER TABLE



Particular description of goods.—Wheat Flour.
Claims use since December, 1923.

Ser. No. 209,419. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE MASSOLT BOTTLING Co., Minneapolis, Minn. Filed Feb. 11, 1925.

UNION STAR

Particular description of goods.—Nonalcoholic, Malt less Beverages Sold as Soft Drinks.
Claims use since Apr. 1, 1907.

Ser. No. 209,423. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEATRICE MEYER, LTD., New York, N. Y. Filed Feb. 11, 1925.

MAÑANA

Particular description of goods.—Perfume.
Claims use since Oct. 1, 1924.

Ser. No. 209,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OWENSBORO MILLING Co., Owensboro, Ky. Filed Feb. 11, 1925.

SILVER LILY

Particular description of goods.—Wheat Flour.
Claims use since December, 1922.

Ser. No. 209,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE STANDARD REMEDY COMPANY, Baltimore, Md. Filed Feb. 11, 1925.

Ne-Rome

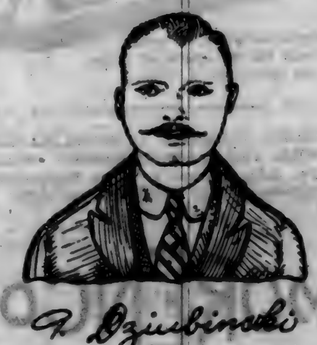
The trade-mark is colored green in accordance with the conventional lining for color as shown.
Particular description of goods.—Analgesic Balm for the Relief of Pain in Rheumatism, Gout, Neuralgia, Nasal Catarrh, Cold in the Head, and Headaches.
Claims use since February, 1911.

Ser. No. 209,443. (CLASS 5. ADHESIVES.) F. W. TUNNELL & COMPANY, INC., Philadelphia, Pa. Filed Feb. 11, 1925.

"Plycol"

Particular description of goods.—Vegetable Glue.
Claims use since on or about May 6, 1924.

Ser. No. 209,467. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATHANASIUS DZIUBINSKI, Haddingford, Minn. Filed Feb. 12, 1925.



A. Dziubinski

The picture appearing on the drawing is a facsimile of applicant's portrait.
Particular description of goods.—Wound-Healing Salve.
Claims use since Dec. 1, 1924.

Ser. No. 209,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. S. HINDS Co., Portland, Me. Filed Feb. 12, 1925. Under ten-year proviso.

HINDS
HONEY AND ALMOND
CREAM

Particular description of goods.—Cream for the Face, Hands, Skin, and Complexion.
Claims use since about December, 1876.

Ser. No. 209,491. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NEYMAN KNITTING MILLS, Brooklyn, N. Y. Filed Feb. 12, 1925.

Isma

Particular description of goods.—Knitted Wool Fabric in the Piece.
Claims use since Dec. 15, 1924.

Ser. No. 209,510. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VERMONT MAPLE SYRUP Co. INC. OF ST. JOHNSBURY, St. Johnsbury, Vt. Filed Feb. 12, 1925.

Mapletown

Particular description of goods.—Maple-Sap Sirup.
Claims use since on or about Apr. 1, 1923.

Ser. No. 209,511. (CLASS 12. CONSTRUCTION MATERIALS.) THE VITREFRAX COMPANY, Vernon, Calif. Filed Feb. 12, 1925.

TYLOX

Particular description of goods.—Refractory Materials in the Form of Bricks or Other Shapes Used in the Construction of Furnace Linings and Walls Subjected to High Temperatures.
Claims use since Jan. 14, 1925.

Ser. No. 209,520. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLARENCE P. WYNNE, doing business as Red Dragon Laboratories, Scranton, Pa. Filed Feb. 12, 1925.

RED DRAGON
PAIN PAINT

No claim is made to the words "Pain Paint" apart from the mark shown in the drawing.

Particular description of goods.—Penetrating Application for Relief of Aches, Sprains, Lame Backs and Arms, Aching Joints and Muscles, Muscular Rheumatism, Neuralgia, or General Aches and Pains.

Claims use since July 1, 1923.

Ser. No. 209,549. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINTON ROWE, Philadelphia, Pa. Filed Feb. 13, 1925.



Particular description of goods.—Mayonnaise.

Claims use since June 3, 1923.

Ser. No. 209,568. (CLASS 45. BEVERAGES, NONALCOHOLIC.) J. G. FOX, doing business as J. G. Fox & Company, Seattle, Wash. Filed Feb. 14, 1925. The trade-mark drawing is lined for red.



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages.

Claims use since Sept. 1, 1898.

Ser. No. 209,626. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) C-T RADIO CORPORATION, New York, N. Y. Filed Feb. 16, 1925.

CLEARTRON

Particular description of goods.—Three-Element Vacuum Radio Tubes.

Claims use since June 2, 1924.

Ser. No. 209,632. (CLASS 17. TOBACCO PRODUCTS.) FITZPATRICK & DRAPER, Kingston, N. Y. Filed Feb. 16, 1925.

F&D

Particular description of goods.—Cigars and All-Tobacco Cigarettes.

Claims use since about 1912.

Ser. No. 209,648. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GERMANIUM PRODUCTS COMPANY, Trenton, N. J. Filed Feb. 16, 1925.

RID-O-COL

Particular description of goods.—Inhalers Containing Medicine Used for the Relief of Colds.

Claims use since Feb. 4, 1925.

Ser. No. 209,676. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WILLIAM R. MOORE, Jr., doing business as Moore Engineering Company, Hagerstown, Md. Filed Feb. 16, 1925.

MORENCO

Particular description of goods.—Lathes, Reamers, Grinders, Bottle Cappers, Garage Tools, Bending Machines, Painting Machines, Dies, Punchers, Water-Softening Apparatus, and Ash-Handling Equipment.

Claims use since Sept. 13, 1920.

Ser. No. 209,677. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MORSEHEAD GOLF COMPANY, Milwaukee, Wis. Filed Feb. 16, 1925.



Particular description of goods.—Golf Clubs.

Claims use since June 10, 1922.

Ser. No. 209,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAR A. FANNING, Streator, Ill. Filed Feb. 17, 1925.



Particular description of goods.—Pickles.

Claims use since Sept. 1, 1922.

Ser. No. 209,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED LESLIE VILAS, doing business as La Cara Food Company, Pierre, S. Dak. Filed Feb. 18, 1925.

La Cara

Particular description of goods.—Infants' Food.

Claims use since Nov. 1, 1924.

Ser. No. 209,834. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIAN DIAZ, doing business as J. Diaz Medicine Company, Tampa, Fla. Filed Feb. 19, 1925.

KURETA

Particular description of goods.—Tonic Medicine Indicated in the Treatment of Kidney and Bladder Trouble, Rheumatism, Impure Blood, Sour or Gaseous Stomach, Sluggish or Torpid Liver, Constipation, Loss of Appetite, Indigestion, Female Trouble or Weakness, and Worms in Children.

Claims use since September, 1924.

Ser. No. 209,836. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDAL PRODUCTS CO., Chicago, Ill. Filed Feb. 19, 1925.



Particular description of goods.—Skin Lotion.

Claims use since on or about February, 1923.

Ser. No. 209,841. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDGAR GILBERT, doing business as Gilbert Laboratories, White Plains, N. Y. Filed Feb. 19, 1925.

GLUCOL

Particular description of goods.—Medicinal Preparation of Guaiacol for Phthisis, Pneumonia, Influenza, Bronchitis, Croup, Cough, Rheumatism and Other Conditions Due to Septic Origin.

Claims use since Jan. 1, 1925.

Ser. No. 209,853. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GUILLERMO B. LANDA, doing business as The Sharpenette Sales Co., New York, N. Y. Filed Feb. 19, 1925.

SHARPENETTE

Trade-mark consists in the word "Sharpenette."

Particular description of goods.—Razor-Blade-Sharpening Device.

Claims use since Nov. 30, 1924.

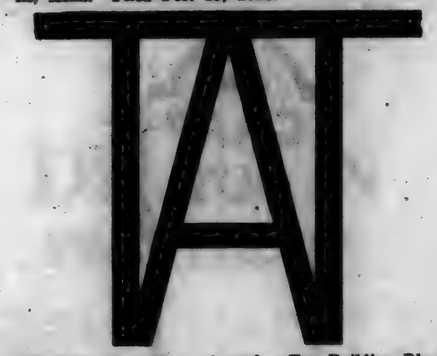
Ser. No. 209,855. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MCDOUGALL-BUTLER CO., INC., Buffalo, N. Y. Filed Feb. 19, 1925.

ECOLITE

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints.

Claims use since Feb. 9, 1925.

Ser. No. 209,883. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ELIZABETH WALKER, Minneapolis, Minn. Filed Feb. 19, 1925.



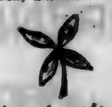
Particular description of goods.—Toy Building Blocks and Demountable Toys.
Claims use since Feb. 5, 1925.

Ser. No. 209,897. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 20, 1925.



Particular description of goods.—Dress and Negligee Shirts.
Claims use since Jan. 1, 1923.

Ser. No. 209,900. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



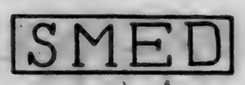
Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1886.

Ser. No. 209,901. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1910.

Ser. No. 209,902. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1910.

Ser. No. 209,904. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1910.

Ser. No. 209,906. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Iron and Steel in Billets and Bars.
Claims use since 1911.

Ser. No. 209,907. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1910.

Ser. No. 209,908. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed Feb. 20, 1925.



Particular description of goods.—Rolled, Drawn, and Forged Iron and Steel.
Claims use since 1884.

Ser. No. 209,911. (CLASS 27. HOROLOGICAL INSTRUMENTS.) GOLDSMITH STERN & CO., New York, N. Y. Filed Feb. 20, 1925.

ORFÈVRE

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts of the Same.
Claims use since Jan. 22, 1925.

Ser. No. 209,923. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) LEVINE & SOLOMON, New York, N. Y. Filed Feb. 20, 1925.

HERCULES

Particular description of goods.—Clothes Racks.
Claims use since about October, 1924.

Ser. No. 209,935. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONAOLA COSMETIC CO., Los Angeles, Calif. Filed Feb. 20, 1925.

EVERCOMB

Particular description of goods.—Hairdressing.
Claims use since Jan. 1, 1923.

Ser. No. 209,938. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PITTSBURGH ENGINEERING COMPANY, Jeannette, Pa. Filed Feb. 20, 1925.



Particular description of goods.—Cast-Iron Pipe Fittings.
Claims use since Apr. 27, 1915.

Ser. No. 209,940. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PYRAMID BUTTON CO., Providence, R. I. Filed Feb. 20, 1925.

Sani-Bak

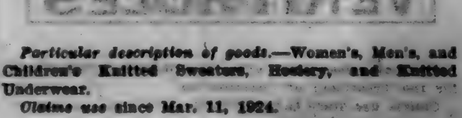
Particular description of goods.—Collar Buttons Which are Made of or Plated With Precious Metals.
Claims use since Dec. 31, 1924.

Ser. No. 209,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SALINA POULTRY COMPANY, Salina, Kans. Filed Feb. 20, 1925.

JEWEL

Particular description of goods.—Dressed Poultry.
Claims use since August, 1913.

Ser. No. 209,946. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Feb. 20, 1925.



Particular description of goods.—Paints (Ready-Mixed, Paste Form, and Dry), Enamels, Japans, Varnishes, Stains, and Fillers.
Claims use since July, 1906.

Ser. No. 209,950. (CLASS 39. CLOTHING.) THOMPSON BROS. SHOE CO., Brockton, Mass. Filed Feb. 20, 1925.

Particular description of goods.—Men's, Women's, and Boys' Boots and Shoes Made Wholly or in Part of Leather and Cloth.
Claims use since Jan. 16, 1925.

Ser. No. 209,974. (CLASS 39. CLOTHING.) THE CAMPS CORPORATION, New York, N. Y. Filed Feb. 21, 1925.

OUTINDOR

Particular description of goods.—Women's, Men's, and Children's Knitted Sweaters, Hosiery, and Knitted Underwear.
Claims use since Mar. 11, 1924.

Ser. No. 209,979. (CLASS 39. CLOTHING.) EDMONDS SHOE COMPANY, Milwaukee, Wis. Filed Feb. 21, 1925.

THE SOLE OF COMFORT

Particular description of goods.—Leather Shoes.
Claims use since Feb. 1, 1925.

Ser. No. 209,991. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y. Filed Feb. 21, 1925.

BON-ODOR

Particular description of goods.—Deodorant.
Claims use since May 15, 1924.

Ser. No. 209,992. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y. Filed Feb. 21, 1925.

Sangrina

Particular description of goods.—Medicinal Preparation for the Treatment of Obesity.
Claims use since June 15, 1923.

Ser. No. 209,994. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y. Filed Feb. 21, 1925.

VERITABLES

Particular description of goods.—Medicinal Preparation for the Treatment of Constipation.
Claims use since Oct. 15, 1923.

Ser. No. 210,034. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL F. BEICH COMPANY, Chicago and Bloomington, Ill. Filed Feb. 24, 1925.

F'even's Sake

Particular description of goods.—Candy.
Claims use since Jan. 1, 1925.

Ser. No. 210,042. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUCY BUDDEN, doing business as Mrs. G. H. Windsor, Hamilton, Mont. Filed Feb. 24, 1925.

Windsor's Wonder Worker

Particular description of goods.—Cough Medicine.
Claims use since Jan. 7, 1925.

Ser. No. 210,046. (CLASS 39. CLOTHING.) CHAS. R. DE BEVOISE CO., Newark, N. J. Filed Feb. 24, 1925.

LACE-ETTE

Particular description of goods.—Brassières.
Claims use since about Feb. 5, 1925.

Ser. No. 210,057. (CLASS 39. CLOTHING.) HOME DISTRIBUTORS, INC., Chicago, Ill. Filed Feb. 24, 1925.

Daffodil

Particular description of goods.—Ladies' Dresses, Aprons, Frocks, and Blouses.
Claims use since Feb. 18, 1925.

Ser. No. 210,058. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE E. HOWARD, doing business as G. E. Howard & Company, Newburgh, N. Y. Filed Feb. 24, 1925.

SNOW BALL

Particular description of goods.—Canned Vegetables, Canned Fruits, and Canned Fish.
Claims use since July, 1890.

Ser. No. 210,060. (CLASS 39. CLOTHING.) INTERSTATE CASKET COMPANY, Kansas City, Mo. Filed Feb. 24, 1925.

Elgrace

Particular description of goods.—Burial Dresses and Suits.
Claims use since Jan. 16, 1925.

Ser. No. 210,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. G. MORSE CO., INC., Chicago, Ill. Filed Feb. 24, 1925.

Nut Pattikins

Particular description of goods.—Candy.
Claims use since Jan. 1, 1925.

Ser. No. 210,082. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE RAND SANATORIUM COMPANY, Atwood, Kans. Filed Feb. 24, 1925.

OXHYFORM

Particular description of goods.—Multigermicides and Blood and Nerve Correctives.
Claims use since approximately Nov. 27, 1924.

Ser. No. 210,089. (CLASS 39. CLOTHING.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed Feb. 24, 1925.

Bar-Tell-A

Particular description of goods.—Hosiery.
Claims use since Feb. 16, 1924.

Ser. No. 210,117. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREMONT PACKING COMPANY, Fremont, Nebr. Filed Feb. 25, 1925.

EARLY DAWN

Particular description of goods.—Dressed Poultry.
Claims use since September, 1923.

Ser. No. 210,128. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MAAS & WALDSTEIN CO., Newark, N. J. Filed Feb. 25, 1925.

MAWALAC

Particular description of goods.—Lacquers, Lacquer Enamels, and Ready-Mixed Paints.
Claims use since about Jan. 15, 1925.

Ser. No. 210,134. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed Feb. 25, 1925.

Assimilo

Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in the Treatment of Indigestion and Stomach Trouble.
Claims use since Nov. 1, 1924.

Ser. No. 210,135. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ORBIS PRODUCTS TRADING CO., INC., New York, N. Y. Filed Feb. 25, 1925.

ORBIS

Particular description of goods.—Gum Arabic, Gum Tragacanth, Perfumery Essential Oils, Thymol, Menthol, Oxalic Acid, Starch, and Bay Rum.
Claims use since Oct. 8, 1918.

Ser. No. 210,162. (CLASS 17. TOBACCO PRODUCTS.) CORK BROS. & CO., LIMITED, Liverpool and London, England. Filed Feb. 26, 1925.

SKIPPER

Particular description of goods.—Smoking Tobacco and Cigarettes.
Claims use since April, 1896.

Ser. No. 210,163. (CLASS 17. TOBACCO PRODUCTS.) CORK BROS. & CO., LIMITED, Liverpool and London, England. Filed Feb. 26, 1925.

BONDMAN

Particular description of goods.—Smoking Tobacco and Cigarettes.
Claims use since Aug. 1, 1909.

Ser. No. 210,167. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) HERBERT GUGGENHEIM, doing business as The Guggenheim Co., Washington, D. C. Filed Feb. 26, 1925.



Particular description of goods.—Ginger Ale.
Claims use since Dec. 15, 1924.

Ser. No. 210,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PYROLIGNEINE COMPANY, Chattanooga, Tenn. Filed Feb. 26, 1925.

Pyroligneine

Particular description of goods.—Antiseptic Healing Ointment and a Suppository for Use in Connection with the Treatment of Diseases of the Rectum, Womb, Vagina, and Ovaries.
Claims use since 1903.

Ser. No. 210,205. (CLASS 15. OILS AND GREASES.) WEST INDIA OIL COMPANY, Bayonne, N. J. Filed Feb. 26, 1925.

LUZ SUPERIOR



Particular description of goods.—Petroleum with or without Admixtures of Other Oils for Illuminating, Heating, Burning, Power, and Lubricating Purposes.
Claims use since Aug. 24, 1905.

Ser. No. 210,215. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed Feb. 27, 1925.

De Mura

Particular description of goods.—Women's Shoes Made Wholly or in Part of Leather.
Claims use since Jan. 10, 1925.

Ser. No. 210,218. (CLASS 41. CANES, PARASOLS, AND UMBRELLAS.) BISSING & ALTSHULER, INC., New York, N. Y. Filed Feb. 27, 1925.

THE PARK LANE

Trade-mark consists of the words "The Park Lane."
Particular description of goods.—Umbrellas, Parasols, and Canes.
Claims use since Feb. 1, 1925.

Ser. No. 210,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. CLAY GLOVER CO. INC., New York, N. Y. Filed Feb. 27, 1925. Under ten-year proviso.

GLOVER'S



Imperial

MANGE MEDICINE

Particular description of goods.—Mange Medicine.
Claims use since 1887.

Ser. No. 210,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBT. H. GREENE, doing business as R. H. G. Chemical Company, Fairburn, Ga. Filed Feb. 27, 1925.

FIT GO

Particular description of goods.—Dog Medicine to be Used in the Treatment of Running Fits, Constipation, and Disorders in All Kinds of Dogs.
Claims use since September, 1923.

Ser. No. 210,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUDELL LABORATORIES, Montclair, N. J. Filed Feb. 27, 1925.

IAIDE

Trade-mark consists in the word "Iaide."
Particular description of goods.—Treatment for the Eyes.
Claims use since Jan. 28, 1925.

Ser. No. 210,253. (CLASS 39. CLOTHING.) SAMPECK CLOTHES, INC., New York, N. Y. Filed Feb. 27, 1925.

VESLESS

Trade-mark consists in the word "Vesless."
Particular description of goods.—Suits and Coats for Men and Boys.
Claims use since Feb. 14, 1925.

Ser. No. 210,265. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOHN E. BAUER, doing business as Union Wholesale Paint Co., Los Angeles, Calif. Filed Feb. 28, 1925.

ZONE-LAC

Particular description of goods.—Quick-Drying Lacquer Paint.
Claims use since Aug. 15, 1924.

Ser. No. 210,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NAOMI CANNING CO., doing business as Edinburg Canning Co., Edinburg, Ind. Filed Feb. 28, 1925.

BLUE MOON

Particular description of goods.—Canned Vegetables—Namely, Corn, Peas, and Pumpkin.
Claims use since 1910.

Ser. No. 210,310. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEARL CITY FRUIT CO., LTD., Honolulu, Hawaii. Filed Feb. 28, 1925.

SUNNY ISLES

Particular description of goods.—Canned Pineapple.
Claims use since Jan. 15, 1925.

Ser. No. 210,322. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Feb. 28, 1925.

HEX

SULATE

Trade-mark comprises the arbitrarily-coined word "Hexsulate."
Particular description of goods.—Chemical Compound or Mixture to be Used for Impregnating and Waterproofing Textile Coverings of Electrical Conductors.
Claims use since on or about Nov. 29, 1924.

Ser. No. 210,350. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) CHICAGO GRANITINE MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 2, 1925.

GRANITINE

Particular description of goods.—Stationary Laundry Tubs.
Claims use since June 1, 1924.

Ser. No. 210,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GIRARD & CO., INC., Bridgeport, Conn., and Mount Vernon, N. Y. Filed Mar. 2, 1925.

GIR-SANITAS

Particular description of goods.—Drain and Waste Pipe Cleaner and Deodorizer.
Claims use since Mar. 31, 1923.

Ser. No. 210,390. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HEMICIDE COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

NEWBRO'S

QUI-9

Particular description of goods.—Hair Tonic.
Claims use since Feb. 20, 1925.

Ser. No. 210,391. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONI JAWORSKI, Detroit, Mich. Filed Mar. 2, 1925.



T. Jaworski

The portrait on the drawing and the signature is that of applicant.
Particular description of goods.—Medicines for Consumption.
Claims use since Dec. 1, 1924.

Ser. No. 210,413. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMARTEST BONBONNIERE, INC., New York, N. Y. Filed Mar. 2, 1925.

GRILLON

Particular description of goods.—Candy.
Claims use since Feb. 5, 1925.

Ser. No. 210,421. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMARTEST BONBONNIERE, INC., New York, N. Y. Filed Mar. 2, 1925.

Lark Lane

Particular description of goods.—Candy.
Claims use since Feb. 5, 1925.

Ser. No. 210,541. (CLASS 37. PAPER AND STATIONERY.) THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J. Filed Mar. 5, 1925.

DRAWLET

Particular description of goods.—Drawing and Lettering Pens.
Claims use since Oct. 1, 1924.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 14, 1925.

197,133. INTESTINAL DISINFECTANT AND MEDICINE. MICHAEL COHENDY, Paris, France.
Filed October 1, 1924. Serial No. 208,257. PUBLISHED JANUARY 20, 1925.

197,134. MEDICINES FOR INTERNAL USE IN THE TREATMENT OF BLOOD DISORDERS, RHEUMATISM, GOUT, ETC. BRASSEY & HARRIS, doing business as The B & H Pharmacal Co., Norfolk, Va.
Filed October 1, 1924. Serial No. 203,250. PUBLISHED DECEMBER 16, 1924.

197,135. PAPER BOXES, SPECIALIZING ON CANDY BOXES. LENGSFIELD BROTHERS, New Orleans, La.
Filed September 20, 1924. Serial No. 202,815. PUBLISHED JANUARY 27, 1925.

197,136. ELECTRIC CONTROLLING DEVICES OF THE COMPRESSION-RESISTOR TYPE. MARSHALL ELECTRIC COMPANY, St. Louis, Mo.
Filed September 15, 1924. Serial No. 202,632. PUBLISHED DECEMBER 9, 1924.

197,137. FURNITURE, FLOOR COVERINGS, DRAPERIES, ETC. THE BLOCK-MEAKINS-GLASS CORPORATION, New York, N. Y.
Filed September 13, 1924. Serial No. 202,580. PUBLISHED JANUARY 20, 1925.

197,138. LIQUID OR SEMILIQUID MEDICINE TO BE TAKEN INTERNALLY AS A TREATMENT FOR TUBERCULOSIS. JOHN FURUNESS, Coeur d'Alene, Idaho.
Filed August 28, 1924. Serial No. 201,804. PUBLISHED JANUARY 20, 1925.

197,139. TOOTH-CLEANING PREPARATIONS. WARREN E. BRUCE, Toronto, Ontario, Canada.
Filed July 26, 1924. Serial No. 200,541. PUBLISHED JANUARY 20, 1925.

197,140. A MEDICINAL PREPARATION, A UTERINE SEDATIVE AND ANTISPASMODIC. BREWER & COMPANY, INC., Worcester, Mass.
Filed July 24, 1924. Serial No. 200,426. PUBLISHED JANUARY 20, 1925.

197,141. MEDICINAL PREPARATION, A SEDATIVE DEMULCENT FOR COUGHS AND BRONCHITIS. BREWER & COMPANY, INC., Worcester, Mass.
Filed July 24, 1924. Serial No. 200,425. PUBLISHED JANUARY 20, 1925.

197,142. COMMERCIALLY-PURE NITRATE OF SODA. W. R. GRACE & CO., New York, N. Y.; San Francisco, Calif.; Lima, Peru; Callao, Peru; Arequipa, Peru; Valparaiso, Chile; Santiago, Chile; Concepcion, Uruguay; Valdivia, Ecuador, and La Paz, Bolivia.
Filed July 21, 1924. Serial No. 200,315. PUBLISHED JANUARY 20, 1925.

197,143. MEDICINAL TABLETS FOR RELIEF FROM NERVOUS HEADACHES, SICKNESSES, NERVOUS DISORDERS, AND INDIRECT HYPNOTISM. H. G. KNOLL & CO., INC., New York, N. Y.
Filed June 21, 1924. Serial No. 198,945. PUBLISHED JANUARY 20, 1925.

197,144. COD-LIVER-OIL TABLETS FOR MEDICINAL USE IN BUILDING UP DEBILITATED PERSONS. FREDERICK T. MCINTYRE, doing business as Atlantic Remedies Company, Hempstead, N. Y.
Filed May 24, 1924. Serial No. 197,552. PUBLISHED JANUARY 20, 1925.

197,145. SALVE FOR THE TREATMENT OF HEADACHES, NEURALGIA, RHEUMATISM, COLDS, COUGHS, CROUP, BURNS, TONSILLITIS, PNEUMONIA, ECZEMA, BOILS, BRUISES, SORES, SPRAINS, SWOLLEN AND STIFF JOINTS, LUMBAGO, PAINS, MUMPS, CUTS, CHAPS, ASTHMA, BRONCHITIS, CATARRH, SORE THROAT, HOARSENESS, WHOOPING COUGH, TOOTHACHE, SUNBURN, AND SIMILAR AILMENTS. THE WHITE WONDER COMPANY, Montgomery, Ala.
Filed May 17, 1924. Serial No. 197,232. PUBLISHED JULY 8, 1924.

197,146. COD-LIVER TABLETS FOR MEDICINAL USE IN BUILDING UP OR STRENGTHENING DEBILITATED AND ANAEMIC PERSONS. FREDERICK T. MCINTYRE, doing business as Atlantic Remedies Company, Hempstead, N. Y.
Filed May 10, 1924. Serial No. 196,874. PUBLISHED JANUARY 20, 1925.

197,147. COMPOUND DESIGNED TO CLEAN FOREIGN SUBSTANCES BY CHEMICAL ACTION FROM METAL PARTS AND GLASS, EARTHENWARE, AND OTHER CONTAINERS AND COMPOUNDED WITH RUST-PROHIBITING CHEMICALS DESIGNED TO PREVENT CORROSION OF PARTS AFTER CLEANING. DEARBORN CHEMICAL COMPANY, Chicago, Ill.
Filed April 21, 1924. Serial No. 195,872. PUBLISHED JANUARY 20, 1925.

197,148. SALT. THE CAREY SALT COMPANY, Hutchinson, Kans.
Filed March 11, 1924. Serial No. 193,570. PUBLISHED JANUARY 20, 1925.

197,149. SKIN LOTION. HOWARD A. DUGLAY, doing business as Witch Rose Laboratories, Pontiac, Mich.
Filed October 2, 1923. Serial No. 186,466. PUBLISHED JANUARY 20, 1925.

197,150. CANNED FRUITS, CANNED VEGETABLES, CANNED FISH, ROLLED OATS, COFFEE, SWEET PICKLES, TOMATO CATCHUP, FOOD-FLAVORING EXTRACTS, EVAPORATED MILK, CANNED DRIED BEEF, PANCAKE FLOUR, FRUIT PRESERVES, SPICES, MUSTARD, TABLE SIRUP, AND SORGHUM. W. A. JORDAN COMPANY, Galesburg, Ill.
Filed September 10, 1923. Serial No. 185,594. PUBLISHED JANUARY 20, 1925.

197,151. LINIMENT. W. J. JOHNSON, Cleveland, Ohio.
Filed September 4, 1923. Serial No. 185,298. PUBLISHED DECEMBER 16, 1924.

197,152. PHARMACEUTICAL PREPARATION FOR THE TREATMENT OF DISEASES OF THE SKIN, BURNS, WOUNDS, ULCERS, AND INFLAMMATORY CONDITIONS OF THE SKIN. FORT WAYNE DRUG COMPANY, Fort Wayne, Ind.
Filed May 24, 1922. Serial No. 164,412. PUBLISHED MARCH 25, 1924.

197,153. ELECTRICAL PANEL BOARDS AND FUSE BOXES. HYDER ELECTRIC MANUFACTURING CO., Minneapolis, Minn.
Filed October 8, 1924. Serial No. 203,571. PUBLISHED JANUARY 20, 1925.

197,154. FASHION AND BUSINESS MONTHLY PERIODICAL AND MAGAZINE. J. I. GUMPORT AND SONS, INC., New York, N. Y.
Filed October 8, 1924. Serial No. 208,569. PUBLISHED JANUARY 20, 1925.

197,155. WEEKLY PUBLICATION. AMUSEMENT PUBLISHING CO., Atlantic City, N. J.
Filed October 2, 1924. Serial No. 208,292. PUBLISHED JANUARY 20, 1925.

197,156. MEDICAL INSTRUMENT FOR ANALYSIS OF URINE. ALPHONSE HOUDAILLE, Paris, France.
Filed August 21, 1924. Serial No. 201,703. PUBLISHED JANUARY 13, 1925.

197,157. PALM OIL FOR USE IN MANUFACTURING SOAP. WELCH, HOLME & CLARK COMPANY, Newark, N. J., and New York, N. Y.
Filed August 2, 1924. Serial No. 200,917. PUBLISHED JANUARY 13, 1925.

197,158. RADIO TUBES AND DETECTORS. SCHICKERLING PRODUCTS MANUFACTURING COMPANY, INC., Newark, N. J.
Filed August 1, 1924. Serial No. 200,883. PUBLISHED JANUARY 20, 1925.

197,159. PASS BOOKS. B. I. HESSE, Clovis, Calif.
Filed July 21, 1924. Serial No. 200,317. PUBLISHED JANUARY 20, 1925.

197,160. PRINTED STATIONERY COMPRISING LETTERHEADS AND BILLHEADS. TURNER & PORTER, INC., Buffalo, N. Y.
Filed July 18, 1924. Serial No. 200,232. PUBLISHED JANUARY 13, 1925.

197,161. SEMIMONTHLY MAGAZINE. THE PENINSULA PUBLISHING COMPANY, Tampa, Fla.
Filed July 7, 1924. Serial No. 199,718. PUBLISHED JANUARY 13, 1925.

197,162. WALL PAPER. ASAM BROTHERS INCORPORATED, Philadelphia, Pa.
Filed July 1, 1924. Serial No. 199,413. PUBLISHED JANUARY 13, 1925.

197,163. PAPER, PASTEBOARD, AND CARDBOARD FOR MAKING LABELS, TAGS, AND PIN TICKETS. WILHELM SIEGFRIED, doing business as Zander & Co., Erfurt, Germany.
Filed May 12, 1924. Serial No. 196,934. PUBLISHED JANUARY 13, 1925.

197,164. CARDS, COMPRISING BUSINESS CARDS, PERSONAL CARDS, GREETING CARDS, WEDDING INVITATIONS, WEDDING ANNOUNCEMENTS AND OTHER ANNOUNCEMENTS, BOTH OF SOCIAL AND BUSINESS CHARACTER. TURNER & PORTER, INC., Buffalo, N. Y.
Filed January 8, 1924. Serial No. 190,561. PUBLISHED JANUARY 13, 1925.

197,165. BED SPRINGS. KINNEY-ROME CO., Chicago, Ill.
Filed December 13, 1923. Serial No. 189,903. PUBLISHED JANUARY 13, 1925.

197,166. METALLIC BEADS FORMING DECORATIVE DESIGNS ON EMBROIDERIES, LACES, FABRICS, RIBBONS, CLOTHES, HATS, AND SHOES; PASSEMENTERIES, ORNAMENTAL FEATHERS, ARTIFICIAL FLOWERS, EMBROIDERIES USED FOR DRESS TRIMMINGS, GALLOONS, AND BUTTONS. CHARLES FRANCOIS BUFFARD, Paris, France.
Filed August 24, 1923. Serial No. 184,933. PUBLISHED JANUARY 13, 1925.

197,167. CERTAIN ELECTRICAL APPARATUS. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y.
Filed November 10, 1923. Serial No. 188,217. PUBLISHED JANUARY 20, 1925.

197,168. METALLIC BEADS FORMING DECORATIVE DESIGNS ON EMBROIDERIES, LACES, FABRICS, RIBBONS, CLOTHES, HATS, AND SHOES; PASSEMENTERIES, ORNAMENTAL FEATHERS, ARTIFICIAL FLOWERS, EMBROIDERIES USED FOR DRESS TRIMMINGS, GALLOONS, AND BUTTONS. CHARLES FRANCOIS BUFFARD, Paris, France.
Filed August 24, 1923. Serial No. 184,932. PUBLISHED JANUARY 13, 1925.

197,169. CERTAIN STATIONERY. ALEXANDER COUNT VON FABER-CASTELL, sole surviving member of the firm of A. W. Faber, Stein, near Nuremberg, Germany.
Filed June 26, 1923. Serial No. 182,469. PUBLISHED JANUARY 13, 1925.

197,170. WAXED-PAPER LUNCH ROLLS. ROBERTSON PAPER CO., INC., Bellows Falls, Vt.
Filed March 31, 1923. Serial No. 178,408. PUBLISHED JANUARY 13, 1925.

197,171. WAXED-PAPER LUNCH ROLLS. ROBERTSON PAPER CO. INC., Bellows Falls, Vt.
Filed April 5, 1923. Serial No. 178,630. PUBLISHED JANUARY 13, 1925.

197,172. FANCY GOODS AND FURNISHINGS NOT MADE OF PRECIOUS METAL. THE WILLIAM PRIM COMPANY, LIMITED, Stolberg, Germany.
Filed September 23, 1922. Serial No. 169,867. PUBLISHED JANUARY 13, 1925.

197,173. SEEDS. ROBERT NICHOLSON SEED COMPANY, Dallas, Tex.
Filed October 7, 1924. Serial No. 203,531. PUBLISHED JANUARY 6, 1925.

197,174. HYDRATED LIME. THE WOODVILLE LIME PRODUCTS CO., Toledo, Ohio.
Filed October 15, 1924. Serial No. 203,922. PUBLISHED JANUARY 6, 1925.

197,175. LIQUID LUBRICATOR AND CARBON REMOVER. LOUIS WEINSTEIN, doing business as Loueeda Distributing Co., Brooklyn, N. Y.
Filed October 18, 1924. Serial No. 204,135. PUBLISHED JANUARY 20, 1925.

197,176. TALKING MACHINES. RADIO MASTER CORPORATION OF AMERICA, Bay City, Mich.
Filed October 22, 1924. Serial No. 204,277. PUBLISHED JANUARY 20, 1925.

197,177. MAGAZINE SECTION. TRADEPRESS PUBLISHING CORPORATION, Chicago, Ill.
Filed October 23, 1924. Serial No. 204,337. PUBLISHED JANUARY 20, 1925.

197,178. LOTION USED FOR THE TREATMENT OF THE SKIN. SAM R. PARK, doing business as Samarc Products Co., Waukesha, Wis.
Filed October 25, 1924. Serial No. 204,418. PUBLISHED JANUARY 20, 1925.

197,179. SPIRITS TURPENTINE FOR MEDICINAL USE. N. F. AMES & CO., Corry, Pa.
Filed October 27, 1924. Serial No. 204,432. PUBLISHED JANUARY 20, 1925.

197,180. TONIC FOR DRY HAIR, CLEANSING CREAM, HENNA POWDER, OINTMENT FOR TREATING IRRITATION OF THE SCALP OR SKIN, TONIC FOR OILY HAIR, TONIC FOR WHITENING GRAY HAIR, LEMON LOTION, FRECKLE LOTION, BLACKHEAD LOTION, WAVE LOTION FOR TREATING THE HAIR, CUTICLE CREAM, FACE CREAM, DEODORANTS, BRILLIANTINE, SCALP POMADE, LIQUID POWDER, HENNA SHAMPOO POWDER, HAND CREAM, FACIAL ASTRINGENT, SPECIAL REMEDY FOR DANDRUFF AND FALLING HAIR. OGILVIE SISTERS, New York, N. Y.
Filed October 27, 1924. Serial No. 204,471. PUBLISHED JANUARY 13, 1925.

197,181. ARTIFICIAL MARBLE USED AS A CONSTRUCTION MATERIAL. HENRY W. SMITH, Los Angeles, Calif.
Filed October 28, 1924. Serial No. 204,534. PUBLISHED JANUARY 6, 1925.

197,182. HAIR COLORING. FREDERICK JOHN MATHESON, Newark, N. J.
Filed October 29, 1924. Serial No. 204,561. PUBLISHED JANUARY 20, 1925.

197,183. MEDICINAL PREPARATION FOR THE TREATMENT OF TONSILS AND THE THROAT AND NASAL PASSAGES. EDWARD J. MCCANN, Elmira, N. Y.
Filed October 29, 1924. Serial No. 204,562. PUBLISHED JANUARY 20, 1925.

197,184. TONIC, LAXATIVE, AND DIGESTIVE RECOMMENDED FOR INDIGESTION, DYSPEPSIA, HEARTBURN, SOUR STOMACH, FULLNESS AFTER EATING, PALPITATION OF THE HEART, AND ALL STOMACH TROUBLE. FRANK B. MCFALL, doing business as Dr. Harris Medicine Co., Danville, Va.
Filed November 6, 1924. Serial No. 204,919. PUBLISHED JANUARY 20, 1925.

197,185. HAIR TONIC. VINCENT PASTORE, New London, Conn.
Filed November 6, 1924. Serial No. 204,928. PUBLISHED JANUARY 20, 1925.

197,186. CHEMICAL USED AS A DISINFECTANT, GERMICIDE, ANTISEPTIC, STERLIZER, AND DEODORANT. ARTHUR BECK, doing business as Arthur Beck Company, Not Inc., Chicago, Ill.
Filed November 10, 1924. Serial No. 205,048. PUBLISHED JANUARY 20, 1925.

197,187. EXTERNAL REMEDY TO RELIEVE CATARRH OR COLD IN HEAD, THROAT, OR LUNGS, CHAPPED HANDS, INSECT BITES, OR SUNBURN, CUTS, AND BRUISES. ENCOE & ENCOE MENTHOL COMPANY, Kansas City, Mo.
Filed November 10, 1924. Serial No. 205,053. PUBLISHED DECEMBER 30, 1924.

197,188. ANTISEPTIC FOR INFECTION OF THE URINARY SYSTEM. JOSEPH ALBERT HARRIS, Montreal, Quebec, Canada.
Filed November 10, 1924. Serial No. 205,062. PUBLISHED JANUARY 20, 1925.

197,189. ANTISEPTICS, GERMICIDES, AND BACTERICIDES. HYNSON, WESTCOTT & DUNNING, Baltimore, Md.
Filed November 10, 1924. Serial No. 205,069. PUBLISHED DECEMBER 30, 1924.

197,190. COAL. NAVIGATION COAL COMPANY INCORPORATED, New York, N. Y.
Filed November 11, 1924. Serial No. 205,127. PUBLISHED JANUARY 6, 1925.

197,191. PREPARATION FOR THE TREATMENT OF ECZEMA, SALT RHEUM, ALOPECIA, PIMPLES, ERYTHEMA, BARBERS' ITCH, HERPES, MILK CRUST, RINGWORM, SEBORRHEA, AND OTHER SKIN AND SCALP ERUPTIONS. WILLIAM G. HOLLEY, doing business as The Huestis Pharmacal Company, Fort Wayne, Ind.
Filed November 12, 1924. Serial No. 205,165. PUBLISHED JANUARY 13, 1925.

197,192. FACE POWDER, COMPACT FACE POWDER USED AS REFILLERS, VANISHING CREAM, SKIN AND TISSUE CREAM, BATH CRYSTALS, BRILLIANTNE, CLEANSING CREAM, TALCUM POWDER, AND DUSTING POWDER. RICHARD HUDNUT, New York, N. Y.
Filed November 12, 1924. Serial No. 205,160. PUBLISHED JANUARY 20, 1925.

197,193. PASTES; LIQUID PREPARATIONS AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR; AND PERFUMERY. PARFUMERIE ROGER & GALLET, Paris, France.
Filed November 14, 1924. Serial No. 205,294. PUBLISHED JANUARY 20, 1925.

197,194. PREPARATION FOR TREATMENT OF CORNS, CUTS, SORES, BOILS, BLISTERS, CHILBLAIN, CALLI, AND BITES. JOHN SEME, Lakewood, Ohio.
Filed November 14, 1924. Serial No. 205,298. PUBLISHED JANUARY 20, 1925.

197,195. ANTISEPTICS, GERMICIDES, AND BACTERICIDES. HYNSON, WESTCOTT & DUNNING, Baltimore, Md.
Filed November 15, 1924. Serial No. 205,330. PUBLISHED DECEMBER 30, 1924.

197,196. PREPARATION FOR NEURITIS. THE QUINREA COMPANY, Newark, N. J.
Filed November 15, 1924. Serial No. 205,356. PUBLISHED JANUARY 20, 1925.

197,197. GARTER BRASSIÈRES. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed December 6, 1924. Serial No. 206,361. PUBLISHED JANUARY 13, 1925.

197,198. SELF-RISING PANCAKE FLOUR. TALLCOT MILLING COMPANY, INC., Skaneateles, N. Y.
Filed December 3, 1924. Serial No. 206,200. PUBLISHED JANUARY 27, 1925.

197,199. EGGS. SINCLAIR SALES COMPANY, Cedar Rapids, Iowa.
Filed December 2, 1924. Serial No. 206,131. PUBLISHED JANUARY 27, 1925.

197,200. FULL LINE OF TOBACCO PRODUCTS—NAMELY, CIGARS, SMOKING TOBACCO, CHEWING TOBACCO, AND CIGARETTES. VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis.
Filed November 17, 1924. Serial No. 205,388. PUBLISHED JANUARY 27, 1925.

197,201. CHEWING GUM. WM. J. WISCHMANN, INC., Brooklyn, N. Y.
Filed November 15, 1924. Serial No. 205,383. PUBLISHED JANUARY 27, 1925.

197,202. COCOA. ELITE COCOA COMPANY, Milwaukee, Wis.
Filed November 15, 1924. Serial No. 205,325. PUBLISHED JANUARY 27, 1925.

197,203. CIGARS. CLAUD D. SWINT AND WILLIS J. DAVIS, Atlanta, Ga.
Filed November 11, 1924. Serial No. 205,142. PUBLISHED JANUARY 27, 1925.

197,204. TONICS, REMEDIES FOR DISEASES OF THE BLOOD, LIVER, ETC. R. H. MACY & CO., INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,076. PUBLISHED JANUARY 27, 1925.

197,205. PREPARATIONS FOR INTERNAL AND EXTERNAL USE FOR CERTAIN NAMED DISORDERS. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed November 6, 1924. Serial No. 204,897. PUBLISHED JANUARY 27, 1925.

197,206. PAPER WINDOW-SHADE MATERIAL. THE SHADEX COMPANY, West Springfield, Mass.
Filed November 5, 1924. Serial No. 204,871. PUBLISHED JANUARY 27, 1925.

197,207. LEATHER AND FABRIC DRESSING. W. R. SPAULDING, Independence, Kans.
Filed October 31, 1924. Serial No. 204,077. PUBLISHED JANUARY 27, 1925.

197,208. BLOW LAMPS AND PARTS THEREOF. AKTIEBOLAGET MAX SIEVERT, Sundbyberg, near Stockholm and Stockholm, Sweden.
Filed October 21, 1924. Serial No. 204,213. PUBLISHED JANUARY 13, 1925.

197,209. POTATOES IN THEIR NATURAL STATE. MINNESOTA POTATO GROWERS EXCHANGE, St. Paul, Minn.
Filed October 16, 1924. Serial No. 203,967. PUBLISHED JANUARY 27, 1925.

197,210. DRIED FRUITS. CALIFORNIA PRUNE & APRICOT GROWERS ASSN., San Jose, Calif.
Filed October 11, 1924. Serial No. 203,721. PUBLISHED JANUARY 27, 1925.

197,211. GRAPEFRUIT JELLY. GEORGE PETRIS, doing business as Gold Star Co., Brooklyn, N. Y.
Filed October 8, 1924. Serial No. 203,587. PUBLISHED JANUARY 27, 1925.

197,212. WEEKLY NEWSPAPERS. ALL-CHURCH PRESS, Fort Worth, Tex.
Filed December 1, 1924. Serial No. 206,050. PUBLISHED JANUARY 13, 1925.

197,213. TITLE TO A NEWSPAPER PUBLICATION. PUBLIC LEDGER COMPANY, Philadelphia, Pa.
Filed November 29, 1924. Serial No. 206,028. PUBLISHED JANUARY 13, 1925.

197,214. TITLE OF A NEWSPAPER PUBLICATION. NEW YORK EVENING POST, INC., New York, N. Y.
Filed November 29, 1924. Serial No. 206,021. PUBLISHED JANUARY 13, 1925.

197,215. WEEKLY MAGAZINE. HORWOOD PUBLISHING COMPANY, Los Angeles and San Francisco, Calif., and Chicago, Ill.
Filed November 26, 1924. Serial No. 205,873. PUBLISHED JANUARY 13, 1925.

197,216. BOBBED-HAIR COMBS MADE OF COMPOUNDS OF PYROXYLIN. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y.
Filed November 26, 1924. Serial No. 205,856. PUBLISHED JANUARY 20, 1925.

197,217. SILVER-PLATED FLAT TABLEWARE. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn.
Filed December 10, 1924. Serial No. 206,528. PUBLISHED JANUARY 20, 1925.

197,218. SILVER-PLATED ARTICLES AND ARTICLES HAVING SILVER-PLATED OR STERLING PARTS—TO WIT, CAKE BASKETS, CASSEROLE DISHES, CHAFING DISHES, COFFEE PERCOLATORS, COFFEEPOTS, CRACKER AND CHEESE DISHES, COCKTAIL MIXERS AND SERVERS, CREAM PITCHERS, CREAM SETS, CUP HOLDERS, DISH COVERS, ELECTRIC COFFEE PERCOLATORS, ELECTRIC STOVES, ELECTRIC TOASTERS, HOT-WATER DISHES, ICE TONGS, SANDWICH TRAYS, SUGAR BOWLS, TEA-BALL TEAPOTS, TEAPOT STANDS, TRAYS, TRIVET TRAYS, VACUUM BOTTLES, VACUUM CARAFES, VACUUM JUGS, AND VACUUM JARS. MANNING, BOWMAN & CO., Meriden, Conn.
Filed December 3, 1924. Serial No. 206,180. PUBLISHED JANUARY 20, 1925.

197,219. READY-MIXED PAINTS, VARNISHES, AND SHELLAC. ROBERT J. ANDERTON, INC., New York, N. Y.
Filed November 29, 1924. Serial No. 205,979. PUBLISHED JANUARY 27, 1925.

197,220. PEARL OR IMITATION-PEARL NECKLACES. ABRAHAM ROLNICK, doing business as Rolnick Jewelry Co., New York, N. Y.
Filed November 28, 1924. Serial No. 205,952. PUBLISHED JANUARY 20, 1925.

197,221. TITLE OF A SECTION OF THE SUNDAY WORLD NEWSPAPER PUBLISHED BY THE UNDERSIGNED CORPORATION. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed November 25, 1924. Serial No. 205,835. PUBLISHED JANUARY 20, 1925.

197,222. RADIO RECEIVING SETS AND PARTS THEREOF. JAMES GUTHRIE, doing business as Guthrie Company, Grafton, Ohio.
Filed November 21, 1924. Serial No. 205,639. PUBLISHED JANUARY 20, 1925.

197,223. INK PASTE USED FOR MAKING WRITING INK. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed November 18, 1924. Serial No. 205,463. PUBLISHED JANUARY 20, 1925.

197,224. COMBS, HAIRPINS, HAIR BUCKLES, AND HAIR CLASPS, ALL OTHER THAN PRECIOUS-METAL WARE. NEW YORK HAMBURGER GUMMIWAAREN COMPAGNIE, Hamburg, Germany.
Filed November 11, 1924. Serial No. 205,129. PUBLISHED JANUARY 20, 1925.

197,225. RADIOJACKS. HERBERT H. FROST, INCORPORATED, Chicago, Ill.
Filed November 10, 1924. Serial No. 205,056. PUBLISHED JANUARY 13, 1925.

197,226. ICE CREAM. NATIONAL ICE CREAM COMPANY, Louisville, Ky.
Filed November 8, 1924. Serial No. 205,024. PUBLISHED JANUARY 27, 1925.

197,227. EVAPORATED MILK. DETROIT COMMERCE COMPANY, Detroit, Mich.
Filed November 4, 1924. Serial No. 204,816. PUBLISHED JANUARY 27, 1925.

197,228. RUBBER BELTS FOR MEN TO REDUCE EXCESS FAT. THE THOMPSON-BARLOW COMPANY, INC., New York, N. Y.
Filed October 31, 1924. Serial No. 204,683. PUBLISHED JANUARY 13, 1925.

197,229. EMBOSSING-PRESS SUPPLIES COMPRISING GUMMED PAPER, CARDBOARD, AND SET-UP CARDS ON WHICH THE EMBOSSING TYPE ARE SET UP FOR USE IN THE PRESS. HULSE MANUFACTURING COMPANY, Geneva, N. Y.
Filed October 28, 1924. Serial No. 204,508. PUBLISHED JANUARY 20, 1925.

197,230. SHAVING SOAP. JAMES S. KIRK & COMPANY, Chicago, Ill.
Filed October 27, 1924. Serial No. 204,458. PUBLISHED JANUARY 13, 1925.

197,231. SOAP. GEO. H. W. FRY, Atlanta, Ga.
Filed October 24, 1924. Serial No. 204,362. PUBLISHED JANUARY 13, 1925.

197,232. CIRCUIT BREAKERS FOR MOTOR VEHICLES. NU-IDEA MANUFACTURING COMPANY, Dallas, Tex.
Filed October 22, 1924. Serial No. 204,272. PUBLISHED JANUARY 20, 1925.

197,233. GENERAL CLEANSING PREPARATION WITH WATER-SOFTENING PROPERTIES. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa.
Filed October 21, 1924. Serial No. 204,247. PUBLISHED JANUARY 13, 1925.

197,234. SOAP. M. DANIELS & JUTT, Gary, Ind.
Filed October 15, 1924. Serial No. 203,875. PUBLISHED JANUARY 13, 1925.

197,235. PERIODICAL ISSUED MONTHLY. THE RING, INC., New York, N. Y.
Filed September 18, 1924. Serial No. 202,759. PUBLISHED JANUARY 20, 1925.

197,236. SUGAR AND SUGAR BLENDED WITH STARCH. THE WESTERN SUGAR MILLS, INC., Detroit, Mich.
Filed September 20, 1924. Serial No. 202,839. PUBLISHED JANUARY 27, 1925.

197,237. PRINTED BOOKS, PAMPHLETS, AND SECTIONS THEREOF. LANCASTER PRESS, INC., Lancaster, Pa.
Filed September 29, 1924. Serial No. 203,186. PUBLISHED JANUARY 20, 1925.

197,238. ELECTRIC AUTOMOBILE LIGHTS. MCKAY MANUFACTURING CO., INC., San Francisco, Calif.
Filed October 7, 1924. Serial No. 203,528. PUBLISHED JANUARY 20, 1925.

197,239. EXERCISE, COMPOSITION, MEMORANDUM, AND NOTE BOOKS. S. E & M. VERNON INC., New York, N. Y.
Filed October 11, 1924. Serial No. 203,767. PUBLISHED JANUARY 20, 1925.

197,240. ELECTRICAL TRANSFORMERS AND COILS. THE SEARS MANUFACTURING COMPANY, Cleveland, Ohio.
Filed October 10, 1924. Serial No. 203,694. PUBLISHED JANUARY 20, 1925.

197,241. WRITING PAPER AND MAILING ENVELOPES, ANNOUNCEMENT PAPER AND CARDS AND ANNOUNCEMENT ENVELOPES, CUT CARDS AND PAPETERIES. OLD COLONY ENVELOPE COMPANY, Westfield, Mass.
Filed October 16, 1924. Serial No. 203,968. PUBLISHED JANUARY 13, 1925.

197,242. PAPER NAPKINS AND PAPER TOWELS. INDEPENDENT PAPER MILLS, INC., Brooklyn, N. Y.
Filed October 22, 1924. Serial No. 204,261. PUBLISHED JANUARY 13, 1925.

197,243. PAPER NAPKINS AND PAPER TOWELS. INDEPENDENT PAPER MILLS, INC., Brooklyn, N. Y.
Filed October 22, 1924. Serial No. 204,262. PUBLISHED JANUARY 13, 1925.

197,244. LOOSE-LEAF BOOKS, BINDERS, FILING APPARATUS, AND PARTS THEREOF. THE TENACITY MANUFACTURING COMPANY, Reading, Ohio.
Filed October 22, 1924. Serial No. 204,284. PUBLISHED JANUARY 13, 1925.

197,245. BOOK-PAPER STOCK. PAPER MANUFACTURERS EDUCATIONAL ASSN. INC., New York, N. Y.
Filed October 29, 1924. Serial No. 204,560. PUBLISHED JANUARY 13, 1925.

197,246. MONTHLY MAGAZINE. TEXAS FARM & RANCH PUBLISHING COMPANY, Dallas, Tex.
Filed November 3, 1924. Serial No. 204,802. PUBLISHED JANUARY 13, 1925.

197,247. SAFETY PINS. LEOPOLD HOCHREINER, New York, N. Y.
Filed November 6, 1924. Serial No. 204,909. PUBLISHED JANUARY 13, 1925.

197,248. BATTERIES AND CHARGERS. PERRINE QUALITY PRODUCTS CORP., Boston, Mass.
Filed November 6, 1924. Serial No. 204,929. PUBLISHED JANUARY 13, 1925.

197,249. RADIO RECEIVING SETS. VIRGIL W. KIMBALL, Chicago, Ill.
Filed November 10, 1924. Serial No. 205,070. PUBLISHED JANUARY 13, 1925.

197,250. RADIO SETS, HEAD PHONES, LOUD SPEAKERS, AERIAL EQUIPMENT, LIGHTNING ARRESTERS, AND PARTS—NAMELY, SOCKETS, TRANSFORMERS, CONDENSERS, SPIDER-WEB COILS, RHEOSTATS, POTENTIOMETERS, AND BINDING POSTS. OZARKA, INCORPORATED, Chicago, Ill.
Filed November 10, 1924. Serial No. 205,083. PUBLISHED JANUARY 13, 1925.

197,251. PORCH AND WINDOW SHADES. THE ARROSHADE COMPANY, Waukesha, Wis.
Filed November 12, 1924. Serial No. 205,145. PUBLISHED JANUARY 13, 1925.

197,252. PHOTOGRAVURE SECTION OF A DAILY NEWSPAPER, THE SECTION BEING PUBLISHED WEEKLY. THE CHICAGO DAILY NEWS COMPANY, Chicago, Ill.
Filed November 13, 1924. Serial No. 205,195. PUBLISHED JANUARY 13, 1925.

197,253. PAMPHLET ISSUED FROM TIME TO TIME. ROBERT PROVOST SCHERMERHORN, San Antonio, Tex.
Filed November 15, 1924. Serial No. 205,364. PUBLISHED JANUARY 13, 1925.

197,254. PERIODICAL TRADE JOURNAL. THE CLINICAL LABORATORIES COMPANY, Cleveland, Ohio.
Filed November 19, 1924. Serial No. 205,513. PUBLISHED JANUARY 13, 1925.

197,255. MONTHLY PUBLICATION OF THE PHARMACEUTICAL TRADE. SEBASTIAN FIGUERAS Y REGALADO, Habana, Cuba, and New York, N. Y.
Filed November 22, 1924. Serial No. 205,691. PUBLISHED JANUARY 13, 1925.

197,256. NEWSPAPER. HARTSON C. MCCALL, Washington, D. C.
Filed November 22, 1924. Serial No. 205,702. PUBLISHED JANUARY 13, 1925.

197,257. NEWSPAPER. HARTSON C. MCCALL, Washington, D. C.
Filed November 22, 1924. Serial No. 205,703. PUBLISHED JANUARY 13, 1925.

197,258. DYED AND BLEACHED STRAW BRAIDS. R. H. COMEY COMPANIES CONSOLIDATED, Brooklyn, N. Y.
Filed November 25, 1924. Serial No. 205,816. PUBLISHED JANUARY 20, 1925.

197,259. MAGAZINES PUBLISHED MONTHLY OR OFTENER. C. BRANDES, INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,853. PUBLISHED JANUARY 13, 1925.

197,260. RADIO APPARATUS—NAMELY, INSULATORS, LEAD-INS, CONDENSERS, GRID LEAKS, VARIOCOUPLERS, AND VARIOMETERS. TRIDOT ELECTRIC CO., INC., New York, N. Y.
Filed September 11, 1924. Serial No. 202,580. PUBLISHED JANUARY 13, 1925.

197,261. CLEANING AND POLISHING COMPOUND IN POWDER FORM FOR CLEANING AND POLISHING MARBLE, PORCELAIN, AND MOSAIC WARE AND MATERIALS. B. HELLER & COMPANY, Chicago, Ill.
Filed September 10, 1924. Serial No. 202,449. PUBLISHED JANUARY 13, 1925.

197,262. SHOES OF LEATHER OR COMBINATIONS OF LEATHER AND FABRIC. THE ELLIOTT JUVENILE SHOE COMPANY, Cleveland, Ohio.
Filed September 9, 1924. Serial No. 202,388. PUBLISHED JANUARY 13, 1925.

197,263. PHONOGRAPH NEEDLES. TARG & DINNER MUSIC CO., Chicago, Ill.
Filed September 2, 1924. Serial No. 202,153. PUBLISHED JANUARY 13, 1925.

197,264. EARRINGS, BRACELETS, BAR PINS, HAT ORNAMENTS, WATCH FOBS, FRAMES FOR HAND BAGS, COLLAR AND CUFF BUTTONS, AND BREASTPINS OR BROOCHES, ALL MADE WHOLLY OR IN PART OF PRECIOUS METAL, AND STRUNG BEADS AND NECKLACES OF JEWELS, BEADS, OR WHOLLY OR IN PART OF PRECIOUS METAL. BLACHER BROTHERS, Providence, R. I.
Filed August 26, 1924. Serial No. 201,879. PUBLISHED JANUARY 13, 1925.

197,265. PHONOGRAPH RECORDS AND PLAYER-PIANO ROLLS. IOWEN MATTHEW LAWSON, New York, N. Y.
Filed August 25, 1924. Serial No. 201,850. PUBLISHED JANUARY 20, 1925.

197,266. RADIO PARTS—NAMELY, CONDENSERS, VARIOMETERS, TRANSFORMERS, AND BINDING POSTS AND RECEIVING SETS. R. B. RADIO COMPANY, New York, N. Y.
Filed August 22, 1924. Serial No. 201,778. PUBLISHED JANUARY 13, 1925.

197,267. ELECTRICAL LAMPS. BEDTIME PRODUCTS CO., Brooklyn, N. Y., assignor to The Bedtime Products Co., Inc., New York, N. Y., a Corporation.
Filed August 21, 1924. Serial No. 201,691. PUBLISHED JANUARY 6, 1925.

197,268. BIRDSEED, FLAVORING EXTRACT FOR FOODS, FISH FOOD, OLIVE OIL, ROCK CANDY, COTTONSEED OIL, AND SUNFLOWER SEED TO BE USED AS A BIRD FOOD. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed August 7, 1924. Serial No. 201,100. PUBLISHED JANUARY 27, 1925.

197,269. TITLE TO A WEEKLY REPORT ON FASHIONS. ALFRED FANTL, New York, N. Y.
Filed July 21, 1924. Serial No. 200,313. PUBLISHED JANUARY 20, 1925.

197,270. ELECTRIC-LIGHT-FIXTURE-ATTACHING STRAPS. GROUN-TITE FIXTURE STRAP COMPANY, Minneapolis, Minn.
Filed July 12, 1924. Serial No. 199,940. PUBLISHED JANUARY 13, 1925.

197,271. INSULATION FOR WIRE KNOWN AS SPAGHETTI, BUS-BAR WIRE, MAGNET WIRES, PLAIN ENAMELED MAGNET WIRE, COTTON-COVERED MAGNET WIRE, SILK-COVERED MAGNET WIRE, DOUBLE SILK MAGNET WIRE, AND DOUBLE COTTON COVERED WIRE. ALPHA RADIO SUPPLY CO., INC., New York, N. Y.
Filed July 2, 1924. Serial No. 199,450. PUBLISHED JANUARY 20, 1925.

197,272. PUBLICATION. POULTRY BREEDERS PUBLISHING CO., Waverly, Iowa.
Filed June 28, 1924. Serial No. 199,316. PUBLISHED JANUARY 20, 1925.

197,273. WATCHES AND WATCHCASES. DIEL WATCH CASE COMPANY, New York, N. Y.
Filed May 8, 1924. Serial No. 196,731. PUBLISHED JANUARY 20, 1925.

197,274. MATTRESSES. ADAM WURST, Cincinnati, Ohio.
Filed March 18, 1924. Serial No. 194,039. PUBLISHED JANUARY 20, 1925.

197,275. INDESTRUCTIBLE PEARLS. J. R. WOOD & SONS, New York, N. Y.
Filed November 14, 1923. Serial No. 188,355. PUBLISHED JANUARY 20, 1925.

197,276. SMALL ORNAMENTAL COLORED CHRISTMAS-TREE ELECTRIC-LAMP REFLECTORS, ELECTRIC CHRISTMAS-TREE-LIGHTING OUTFITS, ELECTRIC CHRISTMAS-TREE LAMPS, AND CHRISTMAS-TREE ELECTRICAL LIGHTING ORNAMENTS. MONOWATT ELECTRIC IMPORT COMPANY, INC., New York, N. Y.
Filed October 8, 1923. Serial No. 186,517. PUBLISHED JANUARY 13, 1925.

197,277. PHOTOGRAPHIC REPRODUCTIONS ON PRECIOUS AND NONPRECIOUS METALLIC PLATES SUITABLE FOR FRAMING. PICTORIAL GRAVURE COMPANY, Chicago, Ill.
Filed August 30, 1923. Serial No. 185,186. PUBLISHED JANUARY 20, 1925.

197,278. CARBONS FOR ARC LIGHTS, ETC. C. CONRADTY, Nuremberg, Germany.
Filed April 2, 1923. Serial No. 178,481. PUBLISHED JANUARY 13, 1925.

197,279. RUBBER-COVERED WIRE AND RUBBER-COVERED FLEXIBLE CORDS, BOTH FOR ELECTRICAL PURPOSES. TUBULAR WOVEN FABRIC COMPANY, Pawtucket, R. I.
Filed June 27, 1922. Serial No. 166,154. PUBLISHED MAY 29, 1923.

197,280. SPARK PLUGS. BLUE BIRD MOTOR DEVICE CORPORATION, New York, N. Y.
Filed October 28, 1924. Serial No. 204,494. PUBLISHED JANUARY 20, 1925.

197,281. SOAP. JOHN T. STANLEY CO. INC., New York, N. Y.
Filed October 27, 1924. Serial No. 204,484. PUBLISHED JANUARY 20, 1925.

197,282. CANDY. JENNIE WADE CHOCOLATE SHOP, Johnstown, Pa.
Filed October 18, 1924. Serial No. 203,853. PUBLISHED JANUARY 6, 1925.

197,283. PANEL BOARDS, SWITCHBOARDS, CONTROLLING DEVICES FOR ELECTRIC CIRCUITS, ELECTRIC SWITCH BOXES, CIRCUIT MAKERS AND BREAKERS. DRENDELL ELECTRICAL & MFG. CO., San Francisco, Calif.
Filed October 11, 1924. Serial No. 203,724. PUBLISHED JANUARY 20, 1925.

197,284. SOAP. BARCLAY & CO., New York, N. Y.
Filed October 7, 1924. Serial No. 203,506. PUBLISHED JANUARY 20, 1925.

197,285. LIQUID CLEANSER, ESPECIALLY CLEANSERS WITH BLEACHING PROPERTIES (FOR WHITE GOODS ONLY). DAYTON B. CAR-SKADEN, doing business as The Dazzle Company, New York, N. Y.
Filed September 24, 1924. Serial No. 202,981. PUBLISHED JANUARY 20, 1925.

197,286. SOAPS, ALBUMEN SOAPS, AND CLEANING LIQUORS MADE BY DECOMPOSING ALBUMINOID MATTER BY CAUSTIC ALKALIES OR ALKALINE CARBONATES, PHENOL SOAPS, CRESOL SOAPS, AND NAPHTHOL SOAPS. CHEMISCHE FABRIK GRÜNAU LANDSHOFF & MEYER AKTIENGESELLSCHAFT, Berlin, Germany.
Filed September 8, 1924. Serial No. 202,327. PUBLISHED JANUARY 20, 1925.

197,287. SILVER-PLATED FLAT TABLEWARE. INTERNATIONAL SILVER COMPANY, Meriden and Bridgeport, Conn.
Filed August 28, 1924. Serial No. 201,960. PUBLISHED JANUARY 20, 1925.

197,288. SOAPS—NAMELY, SOAPS IN CAKE FORM, SOAP PASTES, AND SOAP POWDERS. PARFUMERIE ROGER & GALLET, Paris, France.
Filed June 24, 1924. Serial No. 199,082. PUBLISHED JANUARY 20, 1925.

197,289. AUTOMOBILE LAMPS. JACOBS AUTO SAFETY LAMP CO., INC., Blacksburg, Va.
Filed December 19, 1923. Serial No. 189,900. PUBLISHED JANUARY 20, 1925.

197,290. BUTTER. ARTHUR CO-OPERATIVE CREAMERY CO., Platteville, Wis.
Filed October 15, 1923. Serial No. 186,975. PUBLISHED JANUARY 13, 1925.

197,291. CANNED FRUITS AND CANNED BERRIES. NORTH PACIFIC CO-OPERATIVE BERRY GROWERS, Seattle, Wash.
Filed September 24, 1923. Serial No. 186,150. PUBLISHED JUNE 3, 1924.

197,292. SPARK PLUGS FOR INTERNAL-COMBUSTION ENGINES. BEACON SPARK PLUG CORPORATION, North Tonawanda, N. Y.
Filed August 6, 1923. Serial No. 184,114. PUBLISHED JANUARY 20, 1925.

197,293. CAKE MIX. JOS LOWE CO. INC., Brooklyn, N. Y.
Filed August 4, 1923. Serial No. 184,084. PUBLISHED JANUARY 13, 1925.

197,294. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 5, 1923. Serial No. 182,809. PUBLISHED JANUARY 1, 1924.

197,295. SOAPS, AND PARTICULARLY FOR AN AUTOMOBILE LIQUID SOAP. FRANK M. BOYNTON, doing business as Quik-Suds Distributing Co., New York, N. Y.
Filed May 2, 1923. Serial No. 180,043. PUBLISHED JANUARY 20, 1925.

197,296. SCRAPPLE, HAMS, AND BACON. PAUL C. SQUIER, Boston, Mass., assignor to Wm. Moland's Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania.
Filed January 23, 1923. Serial No. 174,982. PUBLISHED MARCH 18, 1924.

197,297. CHEWING GUM. KELLOGG TOASTED CORN FLAKE CO., Battle Creek, Mich., assignor to Kellogg's Pep & Zep Products, Inc., New York, N. Y., a Corporation of New York.
Filed December 6, 1922. Serial No. 172,995. PUBLISHED JUNE 3, 1924.

197,298. RAIL BONDS. RAIL WELDING & BONDING COMPANY, Cleveland, Ohio.
Filed August 21, 1922. Serial No. 168,550. PUBLISHED JANUARY 20, 1925.

197,299. COFFEE. JACOB M. FRANK, Chicago, Ill.
Filed May 1, 1922. Serial No. 163,149. PUBLISHED JANUARY 13, 1925.

197,300. ELECTRIC-LIGHTING UNITS. LIGHTING FIXTURE & SUPPLY COMPANY INC., New Orleans, La.
Filed November 29, 1924. Serial No. 206,009. PUBLISHED JANUARY 20, 1925.

197,301. ELECTRIC-LIGHTING UNITS. LIGHTING FIXTURE & SUPPLY COMPANY INC., New Orleans, La.
Filed November 29, 1924. Serial No. 206,008. PUBLISHED JANUARY 20, 1925.

197,302. ELECTRIC VACUUM CLEANERS AND PARTS THEREOF. ELECTRIC VACUUM CLEANER COMPANY, INC., Cleveland, Ohio.
Filed November 29, 1924. Serial No. 205,997. PUBLISHED JANUARY 20, 1925.

197,303. RADIO SETS, RADIO APPARATUS—NAMELY, RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, TRANSFORMERS, AMPLIFYING HORNS, CONDENSERS, HEAD SETS, AND PARTS THEREOF. AMERICAN INTERSTATE RADIO SERVICE, New York, N. Y.
Filed November 29, 1924. Serial No. 205,975. PUBLISHED JANUARY 20, 1925.

197,304. ELECTRIC TOASTERS. WATERS-GENTER CO., Minneapolis, Minn.
Filed November 28, 1924. Serial No. 205,968. PUBLISHED JANUARY 20, 1925.

197,305. RADIO RECEIVING SETS AND PARTS THEREOF. RADIO INDUSTRIES CORPORATION, New York, N. Y.
Filed November 28, 1924. Serial No. 205,950. PUBLISHED JANUARY 20, 1925.

197,306. CLEANING COMPOUND IN POWDERED FORM FOR RUGS, CARPETS, CLOTHING, TAPESTRY, PAINTED WALLS, AND FOR LAUNDRY AND WASHING PURPOSES. HARRY D. KILLINGER, doing business as H. K. Product Company, Columbus, Ohio.
Filed November 28, 1924. Serial No. 205,927. PUBLISHED JANUARY 20, 1925.

197,307. LIQUID PASTE AND POWDER, SOAPS, AND CLEANSER—NAMELY, CHIPS, LAUNDRY, POWDER, AND TOILET. B. A. RAILTON CO., Chicago, Ill.
Filed November 24, 1924. Serial No. 205,784. PUBLISHED JANUARY 20, 1925.

197,308. LIQUID PASTE AND POWDER, SOAPS, AND CLEANSER—NAMELY, CHIPS, LAUNDRY, POWDER, AND TOILET. B. A. RAILTON CO., Chicago, Ill.
Filed November 24, 1924. Serial No. 205,781. PUBLISHED JANUARY 20, 1925.

197,309. RADIOCRYSTALS. FOOTE RADIO CORPORATION, Philadelphia, Pa.
Filed November 24, 1924. Serial No. 205,747. PUBLISHED JANUARY 20, 1925.

197,310. BUTTER FAT. THE BUTTERFLAKE CORPORATION, Philadelphia, Pa.
Filed November 22, 1924. Serial No. 205,685. PUBLISHED JANUARY 20, 1925.

197,311. WHEAT FLOUR. SPERRY FLOUR CO., San Francisco, Calif.
Filed November 19, 1924. Serial No. 205,563. PUBLISHED JANUARY 20, 1925.

197,312. RADIO RECEIVING SETS AND PARTS THEREOF. JAMES GUTHRIE, doing business as Guthrie Company, Grafton, Ohio.
Filed November 21, 1924. Serial No. 205,637. PUBLISHED JANUARY 20, 1925.

197,313. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed November 17, 1924. Serial No. 205,438. PUBLISHED JANUARY 20, 1925.

197,314. SOAP. RICHARD HUDNUT, New York, N. Y.
Filed November 17, 1924. Serial No. 205,419. PUBLISHED JANUARY 20, 1925.

197,315. POULTRY AND ANIMAL FOOD. ARTHUR RICHARD COULSON, De Funiak Springs, Fla.
Filed November 17, 1924. Serial No. 205,395. PUBLISHED JANUARY 20, 1925.

197,316. ELECTRIC FIXTURES OF THE WALL-BRACKET TYPE. BUFFALO CHANDELIER CORPORATION, Buffalo, N. Y.
Filed November 17, 1924. Serial No. 205,390. PUBLISHED JANUARY 20, 1925.

197,317. PREPARED FOODS, SPECIFICALLY CANNED SARDINES. MARIUS DE BRUYN, doing business as M. de Bruyn Importing Co., New York, N. Y.
Filed November 15, 1924. Serial No. 205,319. PUBLISHED JANUARY 27, 1925.

197,318. WINDOW AND SILVER POLISH. THE MARVEL MANUFACTURING COMPANY, Cumberland, Md.
Filed November 5, 1924. Serial No. 204,860. PUBLISHED JANUARY 20, 1925.

197,319. VACUUM TUBES, RADIO RECEIVING SETS, AND PARTS OF SAME. THE CROSLEY RADIO CORPORATION, Cincinnati, Ohio.
Filed November 3, 1924. Serial No. 204,760. PUBLISHED JANUARY 20, 1925.

197,320. RADIO RECEIVING SETS. HAROLD MATTES, Chicago, Ill.
Filed October 30, 1924. Serial No. 204,618. PUBLISHED JANUARY 20, 1925.

197,321. MONTHLY MAGAZINE. EVERYBODYS POULTRY MAGAZINE PUBLISHING CO., Hanover, Pa.
Filed October 29, 1924. Serial No. 204,548. PUBLISHED DECEMBER 16, 1924.

197,322. LOCUST-WOOD INSULATOR PINS. WILLIAMS MANUFACTURING CO., Watertown, Tenn.
Filed October 28, 1924. Serial No. 204,533. PUBLISHED JANUARY 20, 1925.

197,323. READY-MIXED MARINE PAINTS, READY-MIXED PAINTS FOR INDUSTRIAL PURPOSES, READY-MIXED COMPOSITION PAINTS, READY-MIXED ENAMEL, READY-MIXED RED LEAD, AND MARINE PASTE PAINTS (NOT READY MIXED). THE FEDERAL COMPOSITION & PAINT COMPANY, INC., New York, N. Y.
Filed October 24, 1924. Serial No. 204,360. PUBLISHED FEBRUARY 3, 1925.

197,324. SOLUBLE CUTTING OIL. THE ACME REFINING COMPANY, Cleveland, Ohio.
Filed October 24, 1924. Serial No. 204,343. PUBLISHED FEBRUARY 3, 1925.

197,325. THREAD-CUTTING OIL. THE ACME REFINING CO., Cleveland, Ohio.
Filed October 24, 1924. Serial No. 204,342. PUBLISHED FEBRUARY 3, 1925.

197,326. GOLF CLUBS, GOLF BALLS, GOLF SHAFTS, GOLF BAGS, GOLF HEADS, AND GOLF GRIPS. LLOYD A. WIMPFHEIMER, New York, N. Y.
Filed October 23, 1924. Serial No. 204,339. PUBLISHED JANUARY 27, 1925.

197,327. CHOCOLATE AND CANDIES. PARK & TILFORD, New York, N. Y.
Filed October 18, 1924. Serial No. 204,111. PUBLISHED JANUARY 27, 1925.

197,328. PANCAKE FLOUR MADE FROM A COMBINATION OF WHEAT, CORN, AND RICE FLOURS. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed October 17, 1924. Serial No. 204,027. PUBLISHED JANUARY 27, 1925.

197,329. LUBRICATING OILS AND GREASES. GRACE R. CARRAN, doing business as Central Petroleum Company, Cleveland, Ohio.
Filed October 17, 1924. Serial No. 204,009. PUBLISHED FEBRUARY 3, 1925.

197,330. SHOW CARDS, PLACARDS, BUSINESS CARDS, DODGERS, HANDBILLS, ADVERTISING CIRCULARS, PAMPHLETS, BOOKLETS, CATALOGUES, PROGRAMS, BUSINESS ANNOUNCEMENTS, GREETING CARDS, AND ALL COMPLETELY-PRINTED MATTER. SUBBER-ARUNDALE COMPANY, INCORPORATED, Charlottesville, Va.
Filed October 13, 1924. Serial No. 203,847. PUBLISHED FEBRUARY 3, 1925.

197,331. BLANK BOOKS COMPRISING ACCOUNT BOOKS, MEMORANDUM BOOKS, COMPOSITION BOOKS, NOTEBOOKS, AND EXERCISE BOOKS. S. E & M. VERNON INC., New York, N. Y.
Filed October 11, 1924. Serial No. 203,766. PUBLISHED FEBRUARY 3, 1925.

197,332. PAPER FOR USE IN THE MANUFACTURE OF BLANK BOOKS. S. E & M. VERNON INC., New York, N. Y.
Filed October 11, 1924. Serial No. 203,765. PUBLISHED FEBRUARY 3, 1925.

197,333. CANDY. THE BERCHT CANDY COMPANY, Denver, Colo.
Filed October 11, 1924. Serial No. 203,717. PUBLISHED FEBRUARY 3, 1925.

197,334. FRESH BOXED PEARS. MURPHY & YARBROUGH, Ukiah, Calif.
Filed October 10, 1924. Serial No. 203,680. PUBLISHED JANUARY 27, 1925.

197,335. READY-MIXED PAINTS AND ENAMELS, PAINT COLORS, VARNISHES, LACQUERS, THINNERS FOR PAINTS AND ENAMELS, PAINT-LIKE COMPOUNDS FOR LACQUERING AND ENAMELING, AND THINNERS THEREFOR. CELLULOID ZAPON COMPANY, now by change of name The Zapon Company, Wilmington, Del.
Filed October 8, 1924. Serial No. 203,558. PUBLISHED FEBRUARY 3, 1925.

197,336. MALT SIRUP FOR FOOD PURPOSES. WESTERN BOTTLE & SUPPLY CO., Kansas City, Mo.
Filed October 6, 1924. Serial No. 203,498. PUBLISHED JANUARY 27, 1925.

197,337. CONFECTION—VIZ, CANDIED POP CORN. THE CRACKER JACK CO., Chicago, Ill.
Filed October 2, 1924. Serial No. 203,358. PUBLISHED FEBRUARY 3, 1925.

197,338. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed September 15, 1924. Serial No. 202,625. PUBLISHED FEBRUARY 3, 1925.

197,339. FLAVORED POP CORN. MARGARET B. JOHNSTON, Superior, Wis.
Filed September 13, 1924. Serial No. 202,587. PUBLISHED FEBRUARY 3, 1925.

197,340. TISSUE PAPER, TYPEWRITER PAPER, DUPLICATING PAPER, COPYING PAPERS, AND MAILING ENVELOPES. ROBERT FLETCHER AND SON LIMITED, Stoneclough, Manchester, England.
Filed September 11, 1924. Serial No. 202,494. PUBLISHED FEBRUARY 3, 1925.

197,341. MAGAZINE. CENTRAL MANUFACTURING DISTRICT MAGAZINE, Chicago, Ill.
Filed August 27, 1924. Serial No. 201,932. PUBLISHED FEBRUARY 3, 1925.

197,342. CANDIES. MRS. STOVER'S BUNGALOW CANDIES, Denver, Colo.
Filed August 18, 1924. Serial No. 201,596. PUBLISHED FEBRUARY 3, 1925.

197,343. COFFEE. NEWARK BROTHERS, Los Angeles, Calif.
Filed January 19, 1922. Serial No. 158,138. PUBLISHED JANUARY 27, 1925.

197,344. GAME APPARATUS. MEIER GEORGE HILPERT, Bethlehem, Pa.
Filed November 26, 1923. Serial No. 188,906. PUBLISHED JANUARY 27, 1925.

197,345. BASIC LEAD SULPHATE, A WHITE PIGMENT COMMONLY USED AS A PAINT CONSTITUENT. THE EAGLE PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed February 20, 1924. Serial No. 192,564. PUBLISHED JANUARY 27, 1925.

197,346. FRESH CITROUS FRUITS. CARLETON FRUIT COMPANY, INC., Arcadia, Fla.
Filed April 21, 1924. Serial No. 195,863. PUBLISHED JANUARY 27, 1925.

197,347. CIGARS, CIGARETTES, AND SMOKING TOBACCO. BEN WADE, Leeds, England.
Filed May 24, 1924. Serial No. 197,570. PUBLISHED JANUARY 27, 1925.

197,348. SOFT-WHEAT SHORT-PATENT SELF-RISING FLOUR. ROYAL MILLING COMPANY, Nashville, Tenn.
Filed June 2, 1924. Serial No. 197,961. PUBLISHED JANUARY 27, 1925.

197,349. FOUNTAIN PENS. EGGERS-HAMBLER COMPANY, New York, N. Y.
Filed June 3, 1924. Serial No. 197,999. PUBLISHED FEBRUARY 3, 1925.

197,350. RADIO HEAD PHONES, RADIO HEAD SETS, RADIO LOUD SPEAKERS, RADIO SWITCHES, ANTENNA PLUGS, AND PARTS THEREFOR. GLOBE PHONE MANUFACTURING COMPANY, Reading, Mass.
Filed June 21, 1924. Serial No. 198,943. PUBLISHED JANUARY 20, 1925.

197,351. COMPOUND FOR LUBRICATING ELECTRICAL WIRES AND CABLES TO PERMIT SAME TO SLIDE EASILY THROUGH CONDUITS. THE ELECTRO COMPOUND CO., Cleveland, Ohio.
Filed June 24, 1924. Serial No. 199,049. PUBLISHED FEBRUARY 3, 1925.

197,352. MARMALADE. CONQUEST MARMALADE COMPANY, Spring Lake, N. J.
Filed June 28, 1924. Serial No. 199,276. PUBLISHED FEBRUARY 3, 1925.

197,353. WAXED OR PARAFFIN PAPER. NASHUA GUMMED & COATED PAPER COMPANY, Nashua, N. H.
Filed July 9, 1924. Serial No. 199,797. PUBLISHED FEBRUARY 3, 1925.

197,354. TELEPHONE INSTRUMENTS. RUOH AND NOBLE, Chicago, Ill.
Filed July 9, 1924. Serial No. 199,806. PUBLISHED JANUARY 27, 1925.

197,355. HANDBALLS, BASEBALLS, CRICKET BALLS, TENNIS BALLS, GOLF BALLS, HOCKEY BALLS, LACROSSE BALLS, FOOTBALLS, BOWLS, PING-PONG BALLS, AND BILLIARD BALLS. THE GAMB BALLS COMPANY LIMITED, Brentford, England.
Filed July 14, 1924. Serial No. 199,985. PUBLISHED JANUARY 27, 1925.

197,356. HANDBALLS, BASEBALLS, CRICKET BALLS, TENNIS BALLS, GOLF BALLS, HOCKEY BALLS, LACROSSE BALLS, FOOTBALLS, BOWLS, PING-PONG BALLS, AND BILLIARD BALLS. THE GAMB BALLS COMPANY LIMITED, Brentford, England.
Filed July 14, 1924. Serial No. 199,986. PUBLISHED JANUARY 27, 1925.

197,357. HANDBALLS, BASEBALLS, CRICKET BALLS, AND TENNIS BALLS, HOCKEY BALLS, GOLF BALLS, LACROSSE BALLS, FOOTBALLS, BOWLS, PING-PONG BALLS, AND BILLIARD BALLS. THE GAMB BALLS COMPANY LIMITED, Brentford, England.
Filed July 14, 1924. Serial No. 199,987. PUBLISHED JANUARY 27, 1925.

197,358. HANDBALLS, BASEBALLS, CRICKET BALLS, TENNIS BALLS, GOLF BALLS, HOCKEY BALLS, LACROSSE BALLS, FOOTBALLS, BOWLS, PING-PONG BALLS, AND BILLIARD BALLS. THE GAMB BALLS COMPANY LIMITED, Brentford, England.
Filed July 14, 1924. Serial No. 199,988. PUBLISHED JANUARY 27, 1925.

197,359. UTILITY BAGS IN COTTON AND WOOL AND COTTON AND SILK; UNDERARM BAGS IN COTTON, WOOL, OR SILK; HAND BAGS IN COTTON AND WOOL AND COTTON AND SILK; HANDKERCHIEF CASES IN COTTON, WOOL, OR SILK. THE TENAFLY WEAVERS, INC., Tenafly, N. J.
Filed July 16, 1924. Serial No. 200,127. PUBLISHED JANUARY 27, 1925.

197,360. ANTIRUST COMPOSITION IN THE NATURE OF A PAINT, PAINTS PREPARED READY FOR USE, VARNISHES, WHITE LEAD AND RED LEAD COMPOUNDS. "SUMOX" AKTIENGESELLSCHAFT ELECTRO-CHEMISCHE FABRIK, METALL- & HÜTTENPRODUKTE, Zurich, Switzerland.
Filed July 21, 1924. Serial No. 200,346. PUBLISHED FEBRUARY 3, 1925.

197,361. LITHOPONES. WM. BRODIE, Montreal, Quebec, Canada.
Filed July 23, 1924. Serial No. 200,380. PUBLISHED FEBRUARY 3, 1925.

197,362. FRESH CANTALOUPES AND LETTUCE. MARTIN C. WAHL, El Centro, Calif.
Filed August 16, 1924. Serial No. 201,520. PUBLISHED JANUARY 27, 1925.

197,363. DENTAL CREAM. EDGAR C. KAYE, Chicago, Ill.
Filed October 18, 1923. Serial No. 187,163. PUBLISHED JANUARY 27, 1925.

197,364. INTERNAL FEMALE URO-GENITO TONIC, FEMALE VAGINAL SUPPOSITORY, LAXATIVE INTESTINAL TONIC; A LIVER, STOMACH, AND BOWEL TONIC; AND AN INTERNAL UTERI-OVARIAN TONIC AND AN ANTISEPTIC AND DEODORANT VAGINAL DOUCHE. THE LA VITA LABORATORIES, LTD., Wichita, Kans.
Filed November 22, 1923. Serial No. 188,683. PUBLISHED JANUARY 27, 1925.

197,365. COMPOUND FOR CATARRHAL DEAFNESS, HEAD NOISES, ASTHMA, HAY FEVER, AND BRONCHITIS, SORENESS, AND THE LIKE. BURGESS, JOHNSON, WEBB CORPORATION, doing business as Dale Laboratories, Kansas City, Mo.
Filed April 5, 1924. Serial No. 195,047. PUBLISHED JANUARY 27, 1925.

197,366. COMPOSITION OF MATTER WHICH WHEN HARDENED BY EVAPORATION FORMS A TRANSPARENT OR TRANSLUCENT ELASTIC BODY OR FILM, SAID COMPOSITION BEING OF SUCH A CHARACTER THAT IT MAY BE USED WITH OR WITHOUT A RETICULATED BASE MATERIAL. CELLO PRODUCTS INCORPORATED, New York, N. Y.
Filed June 12, 1924. Serial No. 198,453. PUBLISHED AUGUST 12, 1924.

197,367. CONFECTION—NAMELY, A CANDY BAR. POULOS BROTHERS, doing business as Candyland, Boone, Iowa.
Filed June 18, 1924. Serial No. 198,759. PUBLISHED JANUARY 27, 1925.

197,368. TOY ANIMALS. SCHOEN & VONDORF CO. INC., New York, N. Y.
Filed June 21, 1924. Serial No. 198,968. PUBLISHED JANUARY 27, 1925.

197,369. NONALCOHOLIC MALT BEVERAGE. AKTIESELSKABET DE FORENEDE BRYGGERIER, Copenhagen, Denmark.
Filed July 7, 1924. Serial No. 199,667. PUBLISHED JANUARY 27, 1925.

197,370. METAL, WOOD, OR CARDBOARD DISPENSING CONTAINERS FOR SUGAR, RICE, AND OTHER GRANULAR MATERIALS. CARL HAFNER, Rock Springs, Wyo.
Filed July 11, 1924. Serial No. 199,884. PUBLISHED JANUARY 27, 1925.

197,371. A MEDICINAL PREPARATION, AN ALTERATIVE IN CERTAIN FORMS OF RHEUMATISM—AN ACID IODIDE, AND FOR BRONCHIAL AFFECTIONS. BREWER & COMPANY, INC., Worcester, Mass.
Filed July 24, 1924. Serial No. 200,423. PUBLISHED JANUARY 27, 1925.

197,372. TUNING PEG FOR BANJOS AND SIMILAR MUSICAL INSTRUMENTS. H. A. WEYMANN & SON, INC., Philadelphia, Pa.
Filed July 29, 1924. Serial No. 200,697. PUBLISHED JANUARY 27, 1925.

197,373. MALT OR HOP BEVERAGE CONTAINING LESS THAN ONE-HALF OF ONE PER CENT OF ALCOHOL, BY VOLUME. EILERT PRODUCTS CO., Fresno, Calif.
Filed July 31, 1924. Serial No. 200,754. PUBLISHED JANUARY 27, 1925.

197,374. FRESH GRAPES. IRA J. NELSON, Modesto, Calif.
Filed August 19, 1924. Serial No. 201,620. PUBLISHED JANUARY 27, 1925.

197,375. DISTILLED WATER AND NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THOMAS B. KANE, doing business as The Philadelphia Bottling Co., Philadelphia, Pa.
Filed September 5, 1924. Serial No. 202,254. PUBLISHED JANUARY 27, 1925.

197,376. LIME HYDRATE. PACIFIC LIME AND PLASTER CO., San Francisco, Calif.
Filed September 6, 1924. Serial No. 202,304. PUBLISHED JANUARY 13, 1925.

197,377. SAUSAGE. VAN WAGENEN AND SCHICKHAUS COMPANY, Newark, N. J.
Filed September 20, 1924. Serial No. 202,830. PUBLISHED JANUARY 27, 1925.

197,378. TWINE AND MARLINE. LUDLOW MANUFACTURING ASSOCIATES, Boston, Mass.
Filed October 2, 1924. Serial No. 203,321. PUBLISHED JANUARY 27, 1925.

197,379. FACE LOTION. ARTHUR N. TERRY, Stoneham, Mass.
Filed October 2, 1924. Serial No. 203,346. PUBLISHED JANUARY 27, 1925.

197,380. GREETING CARDS AND FOLDERS. SHELLY PRINTING COMPANY, St. Louis, Mo.
Filed October 7, 1924. Serial No. 203,540. PUBLISHED JANUARY 27, 1925.

197,381. TORCHES, KEROSENE BURNERS, AND HEATERS. CHAUSSE OIL BURNER COMPANY, Detroit, Mich.
Filed September 22, 1923. Serial No. 186,046. PUBLISHED JANUARY 6, 1925.

197,382. CANS. AMERICAN CAN COMPANY, New York, N. Y.
Filed October 27, 1922. Serial No. 171,247. PUBLISHED JANUARY 27, 1925.

197,383. FIBER BOARD AND CORRUGATED SHIPPING CONTAINERS OR CARTONS. THE MENGEL COMPANY, Louisville, Ky.
Filed December 1, 1924. Serial No. 206,079. PUBLISHED FEBRUARY 3, 1925.

197,384. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES AND FOUNTAIN SIRUPS USED IN THE MANUFACTURE OF CARBONATED BEVERAGES. FRED HUSEMANN, doing business as The Fred Husemann Laboratory, Red Bud, Ill.
Filed December 2, 1924. Serial No. 206,118. PUBLISHED FEBRUARY 3, 1925.

197,385. NONALCOHOLIC, MALTLESS ORANGE-FLAVORED DRINK. TENPENNY CO. INC., Norfolk, Va.
Filed December 2, 1924. Serial No. 206,138. PUBLISHED FEBRUARY 3, 1925.

197,386. GOLF PARAPHERNALIA—VIZ, GOLF BALLS. RAYMOND TRIGGER, doing business as The Raymond Trigger Co., New York, N. Y.
Filed December 2, 1924. Serial No. 206,141. PUBLISHED FEBRUARY 3, 1925.

197,387. CIGARETTES. L. BAMBERGER & COMPANY, Newark, N. J.
Filed December 4, 1924. Serial No. 206,211. PUBLISHED FEBRUARY 3, 1925.

197,388. CIGARS. MARINE CIGAR CO., INC., New Orleans, La.
Filed December 4, 1924. Serial No. 206,248. PUBLISHED FEBRUARY 3, 1925.

197,389. MALT EXTRACT. THE HEITZ COMPANY, St. Louis, Mo.
Filed December 8, 1924. Serial No. 206,408. PUBLISHED FEBRUARY 3, 1925.

197,390. CANDY. PETER SISCO COMPANY, Chicago, Ill.
Filed December 8, 1924. Serial No. 206,437. PUBLISHED FEBRUARY 3, 1925.

197,391. PREPARATION FOR THE TREATMENT OF COUGHS, COLDS, AND THROAT TROUBLES. KEMP & LANE, INC., Le Roy, N. Y.
Filed December 9, 1924. Serial No. 206,485. PUBLISHED FEBRUARY 3, 1925.

197,392. AMMONIA AND BLUING. J. N. ADAM & CO., Buffalo, N. Y.
Filed December 10, 1924. Serial No. 206,502. PUBLISHED FEBRUARY 3, 1925.

197,393. MEDICINAL TREATMENT OF STERILITY, IMPOTENCE (FUNCTIONAL AND ENDOCRINE), ASPERMIA, ASEXUALISM (ORGANIC AND ACQUIRED). GLANDULAR LABORATORIES OF AMERICA, New York, N. Y.
Filed December 10, 1924. Serial No. 206,521. PUBLISHED FEBRUARY 3, 1925.

197,394. CREAMS FOR TREATMENT OF THE SKIN, TOILET WATERS, AND HAIR TONICS. GRECIAN CHEMICAL COMPANY, Philadelphia, Pa.
Filed December 10, 1924. Serial No. 206,522. PUBLISHED FEBRUARY 3, 1925.

197,395. HAIRDRESSING. GEO. SAH-SEEN JACOB, doing business as The Sirio Mfg. Co., Vicksburg, Miss.
Filed December 11, 1924. Serial No. 206,578. PUBLISHED FEBRUARY 3, 1925.

197,396. LAXATIVE TABLETS. JOHN F. HEJDA, doing business as Fenko Company, Baltimore, Md.
Filed December 12, 1924. Serial No. 206,620. PUBLISHED FEBRUARY 3, 1925.

197,397. INSECTICIDE AND RODENT EXTERMINATOR. TWIN CITY EXTERMINATING CO., INC., St. Paul, Minn.
Filed December 12, 1924. Serial No. 206,647. PUBLISHED FEBRUARY 3, 1925.

197,398. HOSIERY. MAVIS HOSIERY COMPANY, INC., New York, N. Y.
Filed December 13, 1924. Serial No. 206,676. PUBLISHED FEBRUARY 3, 1925.

197,399. PREPARATION FOR USE IN THE TREATMENT OF AILMENTS OF THE STOMACH AND LIVER, APPENDICITIS, AND GALL STONES; ALSO IN THE TREATMENT OF ASTHMA, HAY FEVER, AND BRONCHIAL AFFECTIONS. WILLIAM CLIFTON, Salina, Kans.
Filed December 6, 1924. Serial No. 206,762. PUBLISHED FEBRUARY 3, 1925.

197,400. COMPOSITION OF MATTER USUALLY MADE OF ALBUMEN IN COMBINATION WITH MODIFIED STARCHES AND SUGAR USED BY BAKERS AND CONFECTIONERS IN THE MAKING OF CAKES, KISSES, MACAROONS, ICE CREAM, AND CONFECTIONS. JOS LOWE CO. INC., Brooklyn, N. Y.
Filed May 25, 1922. Serial No. 164,506. PUBLISHED FEBRUARY 3, 1925.

197,401. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. THE CIRCLE A COMPANY, Denver, Colo.
Filed September 19, 1923. Serial No. 185,917. PUBLISHED FEBRUARY 3, 1925.

197,402. FOLDING PAPER AND CLOTH BAGS. OAKLEY MEADOWS, Pemberton, W. Va.
Filed October 15, 1923. Serial No. 187,014. PUBLISHED FEBRUARY 3, 1925.

197,403. A MEDICATED AND PERFUMED FOOT-BATH TABLET. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,248. PUBLISHED FEBRUARY 3, 1925.

197,404. SELF-RISING WHEAT FLOUR. LAWRENCEBURG ROLLER MILLS CO., Lawrenceburg, Ind.
Filed August 5, 1924. Serial No. 201,000. PUBLISHED NOVEMBER 18, 1924.

197,405. ADHESIVE RUBBER CONTAINING TABBING COMPOUND FOR PRINTERS, PUBLISHERS, AND BINDERS. THE COMMERCIAL PASTE CO., Columbus, Ohio.
Filed August 20, 1924. Serial No. 201,652. PUBLISHED JANUARY 13, 1925.

197,406. CHEMICAL COMPOSITIONS FOR RENDERING SUBSTANCES SOFT OR SOLUBLE IN SALINE OR BRINE SOLUTION. HARRY LANGMAN, doing business as Solar Chemical Mfg. Co., Brooklyn, N. Y.
Filed September 25, 1924. Serial No. 203,040. PUBLISHED FEBRUARY 3, 1925.

197,407. FRESH VEGETABLES, FRESH DECIDUOUS FRUITS, FRESH CITROUS FRUITS, MELONS, AND GRAPES. A. B. BARKER & CO. OF CALIFORNIA, Los Angeles, Calif.
Filed October 11, 1924. Serial No. 203,711. PUBLISHED JANUARY 27, 1925.

197,408. CIGARETTES. CROCUS TOBACCO & TRADING CORPORATION, New York, N. Y.
Filed October 16, 1924. Serial No. 203,969. PUBLISHED FEBRUARY 3, 1925.

197,409. EXERCISING DEVICE FOR ATTACHING TO THE FEET FOR SPRINGING AND JUMPING. THOMAS W. THACKERY, Winnetka, Ill.
Filed October 16, 1924. Serial No. 203,984. PUBLISHED FEBRUARY 3, 1925.

197,410. PUDDING POWDER. JOHN COLLIN-VERELST, Antwerp, Belgium.
Filed October 22, 1924. Serial No. 204,290. PUBLISHED JANUARY 27, 1925.

197,411. EXERCISING DEVICE OR TOY FOR CHILDREN, EMBODYING AN UPRIGHT UPON WHICH IS PIVOTED A SPRING-RESTRAINED MEMBER CARRYING A SEAT. REID BROTHERS, New York and Forest Hills, N. Y.
Filed November 4, 1924. Serial No. 204,835. PUBLISHED FEBRUARY 3, 1925.

197,412. MEDICINE FOR CATTLE, SHEEP, AND PIGS FOR USE IN AFFECTIONS OF THE UDDER, MILK, AND OTHER FEVERS AND INFLAMMATION. OSMOND & SON, LIMITED, Grimsby, England.
Filed November 14, 1924. Serial No. 205,291. PUBLISHED FEBRUARY 3, 1925.

197,413. ROUGH RICE, CLEAN RICE, RICE BRAN, RICE POLISH, RICE CHICKEN FEED, AND MIXED FEEDS. SMITH RICE MILL COMPANY, De Witt, Ark.
Filed November 15, 1924. Serial No. 205,371. PUBLISHED JANUARY 20, 1925.

197,414. KNITTED FABRICS OF WOOL, COTTON, AND SILK. GRUSHLAW & SICHEL, Philadelphia, Pa.
Filed November 17, 1924. Serial No. 205,411. PUBLISHED FEBRUARY 3, 1925.

197,415. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. THE GOOD GRAPE COMPANY, Chattanooga, Tenn.
Filed November 25, 1924. Serial No. 205,824. PUBLISHED FEBRUARY 3, 1925.

197,416. BISCUITS AND CRACKERS. TRU-BLU BISCUIT COMPANY, Spokane, Wash.
Filed November 25, 1924. Serial No. 205,841. PUBLISHED JANUARY 20, 1925.

197,417. CERTAIN TEXTILE FABRICS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J.
Filed November 29, 1924. Serial No. 206,023. PUBLISHED FEBRUARY 3, 1925.

197,418. HAMES. U. S. HAME COMPANY, Buffalo, N. Y.
Filed November 29, 1924. Serial No. 206,044. PUBLISHED JANUARY 20, 1925.

197,419. DISH MOPS. GOLD DUST CORPORATION, Jersey City, N. J.
Filed December 1, 1924. Serial No. 206,067. PUBLISHED FEBRUARY 3, 1925.

197,420. FRESH CITROUS FRUITS — NAMELY, ORANGES, LEMONS, GRAPEFRUIT. SAN FERNANDO HEIGHTS LEMON CO., San Fernando, Calif.
Filed December 18, 1924. Serial No. 206,924. PUBLISHED FEBRUARY 3, 1925.

197,421. FRESH PLUMS. ROSECREST FRUIT EXCHANGE, Porterville, Calif.
Filed December 12, 1924. Serial No. 206,687. PUBLISHED FEBRUARY 3, 1925.

197,422. COFFEE. FRANCISCO COTERA, doing business as Cotera Hermanos, El Paso, Tex.
Filed December 12, 1924. Serial No. 206,607. PUBLISHED FEBRUARY 3, 1925.

197,423. VARNISH. EMIL CALMAN & CO., INC., New York, N. Y.
Filed December 3, 1924. Serial No. 206,154. PUBLISHED FEBRUARY 3, 1925.

197,424. CANNED CAVIAR. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed December 1, 1924. Serial No. 206,068. PUBLISHED FEBRUARY 3, 1925.

197,425. METAL POLISH, SHOE POLISH, STOVE POLISH, SOAP, AND RAZOR STROPS. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed November 29, 1924. Serial No. 205,991. PUBLISHED JANUARY 20, 1925.

197,426. PAPER CUTTERS, BOOKMARKS, AND LETTER OPENERS MADE OF COMPOUNDS OF PYROXYLIN. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y.
Filed November 26, 1924. Serial No. 205,854. PUBLISHED FEBRUARY 3, 1925.

197,427. READY-MIXED PAINT. LARS JACKSON, doing business as Lars Jackson Co., New York, N. Y.
Filed November 24, 1924. Serial No. 205,759. PUBLISHED FEBRUARY 3, 1925.

197,428. CANNED FRUITS AND CANNED VEGETABLES. D. DI FIORE CANNING CO., San Jose, Calif.
Filed November 24, 1924. Serial No. 205,744. PUBLISHED FEBRUARY 3, 1925.

197,429. LEATHER, RUBBER, AND FABRIC SHOES. WILSON SHOE COMPANY, La Salle, Ill.
Filed November 20, 1924. Serial No. 205,621. PUBLISHED JANUARY 27, 1925.

197,430. FRESH CELERY. HERBERT P. MONTAGUE, doing business as H. P. Montague & Company, Comstock, Mich.
Filed November 17, 1924. Serial No. 205,480. PUBLISHED FEBRUARY 3, 1925.

197,431. WHEAT FLOUR. SAGINAW MILLING COMPANY, Saginaw, Mich.
Filed November 15, 1924. Serial No. 205,363. PUBLISHED FEBRUARY 3, 1925.

197,432. CANDY. A. D. ROYSTER AND BROTHER, INC., Raleigh, N. C.
Filed November 15, 1924. Serial No. 205,362. PUBLISHED JANUARY 27, 1925.

197,433. AUTOMOBILE FINISHES—NAMELY, LACQUER ENAMEL, RED-OXIDE-METAL PRIMER, PUTTY GLAZE, ENAMEL THINNER, SANDING SURFACER, AND CLEANER THINNER. O'BRIEN VARNISH COMPANY, South Bend, Ind.
Filed November 15, 1924. Serial No. 205,348. PUBLISHED FEBRUARY 3, 1925.

197,434. GRAPEFRUIT, ORANGES, AND LEMONS IN THEIR NATURAL STATE. THE TEXAS CITRUS FRUIT GROWERS EXCHANGE, doing business as Mercedes Co-Operative Citrus Fruit Growers, Mission and Mercedes, Tex.
Filed November 14, 1924. Serial No. 205,302. PUBLISHED JANUARY 27, 1925.

197,435. POCKET ENVELOPES. HARRY A. STERN, Yonkers, N. Y.
Filed November 13, 1924. Serial No. 205,241. PUBLISHED FEBRUARY 3, 1925.

197,436. READY-MIXED PAINT. W. W. LAWRENCE & COMPANY, Pittsburgh, Pa.
Filed November 12, 1924. Serial No. 205,213. PUBLISHED FEBRUARY 3, 1925.

197,437. CANDIES. MASON, AU & MAGENHEIMER CONFECTIONERY MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed November 12, 1924. Serial No. 205,170. PUBLISHED JANUARY 27, 1925.

197,438. CANDY. SWEET CANDY COMPANY, Salt Lake City, Utah.
Filed November 11, 1924. Serial No. 205,141. PUBLISHED JANUARY 27, 1925.

197,439. READY-MIXED PAINTS. HOBOKEN WHITE LEAD & COLOR WORKS, INC., Hoboken, N. J.
Filed November 8, 1924. Serial No. 205,008. PUBLISHED FEBRUARY 3, 1925.

197,440. AUTO POLISH. JOHN E. W. STANGE, Oakland, Calif.
Filed November 3, 1924. Serial No. 204,800. PUBLISHED FEBRUARY 3, 1925.

197,441. CREAM-OF-PEA SOUP, CREAM-OF-CELERY SOUP, CREAM-OF-ONION SOUP, CREAM-OF-BARLENTO SOUP, SOUP BASE, GRAVY THICKENER IN POWDERED FORM. MARVO FOODS, INC., Buffalo, N. Y.
Filed October 24, 1924. Serial No. 204,867. PUBLISHED FEBRUARY 3, 1925.

197,442. GASOLINE. SPEEDEX GASOLINE COMPANY OF WASHINGTON, Washington, D. C.
Filed October 24, 1924. Serial No. 204,876. PUBLISHED FEBRUARY 3, 1925.

197,443. FRESH PEACHES. J. J. REEDER ORCHARD CO., doing business as J. J. & W. T. Reeder Orchard Co., Nashville, Ark.
Filed October 25, 1924. Serial No. 204,422. PUBLISHED JANUARY 27, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

197,444. (CLASS 37. PAPER AND STATIONERY.) GEO. A. WHITING PAPER COMPANY, Menasha, Wis. Filed Jan. 15, 1924. Serial No. 190,861.

ST. CROIX

Particular description of goods.—Bond paper.
Claims use since Dec. 6, 1923.

197,445. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ZINN, BECK BAT COMPANY, Greenville, S. C. Filed Dec. 27, 1924. Serial No. 207,528.

ZINN BECK BAT Co.
6B
BECK'S SPECIAL
GREENVILLE, S. CAROLINA.

Particular description of goods.—Baseball bats.
Claims use since June, 1921.

197,446. (CLASS 45. BEVERAGES, NONALCOHOLIC.) FRED KOCH BREWERY, Dunkirk, N. Y. Filed Feb. 4, 1925. Serial No. 209,089.

Koch's

Particular description of goods.—Nonalcoholic, malt-less beverages sold as soft drinks and sirups and concentrates used in the preparation of same.
Claims use since January, 1905.

197,447. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SILVER LAKE COMPANY, Newton, Mass. Filed. Feb. 14, 1925. Serial No. 209,594.

"NUCORD"

Particular description of goods.—Braided cords.
Claims use since Feb. 7, 1924.

197,448. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Dec. 31, 1924. Serial No. 207,506.

Arrow

Particular description of goods.—Accordions.
Claims use since December, 1922.

197,449. (CLASS 38. PRINTS AND PUBLICATIONS.) FAIRCHILD COMPANY, Chicago, Ill. Filed Dec. 23, 1924. Serial No. 207,127.

Fairchild, Paris

Particular description of goods.—Magazine articles.
Claims use since Aug. 10, 1910.

197,450. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TOWER MANUFACTURING CORPORATION, Boston, Mass. Filed Dec. 16, 1924. Serial No. 206,811.

Scientific

Particular description of goods.—Head sets, loud speakers, transformers, condensers, coils, and radio receiving sets.
Claims use since about Dec. 1, 1922.

197,451. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLARD, COLBERT & GILES, New York, N. Y. Filed Nov. 10, 1924. Serial No. 205,098.

Sta-Brite

Particular description of goods.—Metallic Ribbons in the piece.
Claims use since Mar. 1, 1924.

197,452. (CLASS 12. CONSTRUCTION MATERIALS.) ROSENSTEIN-VEEDER COMPANY, Chicago, Ill. Filed Oct. 22, 1924. Serial No. 204,327.

WATERTITE

Particular description of goods.—Certain paper products—viz, fiber boards and door panels cut therefrom.
Claims use since Jan. 15, 1924.

197,453. (CLASS 39. CLOTHING.) SALLY REED, San Francisco, Calif. Filed July 22, 1924. Serial No. 200,371.

Sally Reed

Particular description of goods.—Women's Hats and Slips.
Claims use since Dec. 20, 1923, on slips, and since Dec. 16, 1924, on hats.

197,454. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORTLAND LINE CO. INC., Cortland, N. Y. Filed June 14, 1924. Serial No. 198,567.

LIMERICK

Particular description of goods.—Fishing lines.
Claims use since Jan. 26, 1924.

197,455. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) QUALITY APPLIANCES COMPANY, Riverside, Ill. Filed May 17, 1924. Serial No. 197,221.

QUALITY IRON
IT'S WHITE AND RIGHT

Particular description of goods.—Electrical sadirons.
Claims use since Jan. 17, 1924.

197,456. (CLASS 45. BEVERAGES, NONALCOHOLIC.) S. MARTINELLI & CO., Watsonville, Calif. Filed Apr. 25, 1924. Serial No. 196,128.

SUNSWEET

Particular description of goods.—Apple-cider punch.
Claims use since Mar. 1, 1924.

197,457. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VACUUM CLEANER SPECIALTY CO., INC., New York, N. Y. Filed Apr. 14, 1924. Serial No. 195,555.

Gold Medal

Particular description of goods.—Electric Vacuum cleaners.
Claims use since Jan. 15, 1924.

197,458. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TONKIN DISTRIBUTING CO., San Francisco, Calif. Filed Apr. 3, 1924. Serial No. 194,959.

DIJON

Particular description of goods.—Nonalcoholic, malt-less Beverages and Extracts and Sirups for Making the same and ginger ale.
Claims use since Mar. 1, 1924.

197,459. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) UNTERMEYER, ROBBINS & CO., New York, N. Y. Filed Feb. 26, 1924. Serial No. 192,866.

NOBLE

Particular description of goods.—Finger rings.
Claims use since about Feb. 17, 1924.

197,460. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE WENDLICH BROS. M'F'G. CO., Bridgeport, Conn. Filed Jan. 8, 1924. Serial No. 190,562.

Tapestry

Particular description of goods.—Hollow ware and silver-plated novelties—namely, cigarette boxes, card-cases, and ash trays.
Claims use since Dec. 1, 1923.

197,461. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Jan. 3, 1924. Serial No. 190,369.

Biltwell

Particular description of goods.—Washboilers.
Claims use since Dec. 10, 1923.

197,462. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Nov. 3, 1923. Serial No. 187,923.

Selecta

Particular description of goods.—Woolen piece goods.
Claims use since Oct. 1, 1923.

197,463. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) MARICROSS COMPANY, Chicago, Ill. Filed Mar. 31, 1923. Serial No. 178,400.

UMBRELLA

Particular description of goods.—Clothes bars, and particularly drying racks or bars for clothes.
Claims use since 1904.

TRADE-MARK REGISTRATIONS RENEWED

26,317. TOBACCO, CIGARS, CIGARETTES, AND SNUFF. Registered April 2, 1895. THE RICHMOND CAVENDISH CO., Liverpool, England. Renewed April 2, 1925, to The Imperial Tobacco Co. (of Great Britain & Ireland), Limited, Bristol, England, assignee.

26,318. TOBACCO, CIGARS, CIGARETTES, AND SNUFF. Registered April 2, 1895. THE RICHMOND CAVENDISH CO., Liverpool, England. Renewed April 2, 1925, to The Imperial Tobacco Co. (of Great Britain & Ireland), Limited, Bristol, England, assignee.

26,605. LAUNDRY SOAP AND TOILET SOAP. Registered May 28, 1895. JOSEPH WATSON & SONS. Renewed May 28, 1925, to Joseph Watson & Sons, Limited, Leeds, England, a Corporation of Great Britain and Ireland, successor.

27,000. WHEAT FLOUR. Registered August 27, 1895. WILLIAM LISTMAN MILLING CO., Superior, Wis. Renewed August 27, 1925, to Duluth-Superior Milling Company, New York, N. Y., a Corporation of Minnesota, assignee.

45,067. STEEL CASTINGS. Registered August 8, 1905. THE AULTMAN & TAYLOR MACHINERY COMPANY, Mansfield, Ohio. Renewed August 8, 1925, to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey, assignee.

45,093. SHEETINGS AND SHIRTINGS. Registered August 8, 1905. MONOHANSETT MFG. CO., Putnam, Conn. Renewed August 8, 1925, to Ridley Watts & Co., New York, N. Y., assignee.

45,142. DYES. Registered August 8, 1905. MONROE DRUG CO., Unionville, Mo. Renewed August 8, 1925, to Monroe Drug Company, Quincy, Ill., a Corporation of Illinois, assignee.

45,203. CIGARETTES. Registered August 8, 1905. STEPHANO BROS. Renewed August 8, 1925, to Stephano Brothers, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,233. VARNISHES, SHELLACS, AND ENAMELS. Registered August 8, 1905. EMIL CALMAN & CO. Renewed August 8, 1925, to Emil Calman & Co. Inc., New York, N. Y., a Corporation of New York, assignee.

45,294. LEATHER BOOTS AND SHOES. Registered August 8, 1905. ROBERTS & HOGE. Renewed August 8, 1925, to Roberts and Hoge Shoe Company, Incorporated, Richmond, Va., a Corporation of Virginia, assignee.

45,311. FLAVORING EXTRACTS. Registered August 15, 1905. PURYEAR-MILLER MFG. CO. Renewed August 15, 1925, to Witsell Bros. Mfg. Co., Memphis, Tenn., a Corporation of Tennessee, successor.

45,341. WHEAT FLOUR. Registered August 15, 1905. WAGGONER-GATES MILLING COMPANY, Independence, Mo., a Corporation of Missouri. Renewed August 15, 1925.

45,389. TILES AND CERAMIC WARE. Registered August 15, 1905. AMERICAN ENCAUSTIC TILING CO. LTD., New York, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,425. TILES AND CERAMIC WARE. Registered August 15, 1905. AMERICAN ENCAUSTIC TILING CO. LTD., New York, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,539. BOOTS AND SHOES OF LEATHER AND OF LEATHER AND CLOTH. Registered August 22, 1905. A. E. LITTLE AND COMPANY. Renewed August 22, 1925, to A. E. Little Company, Lynn, Mass., a Corporation of Massachusetts, assignee.

45,584. CORSETS. Registered August 22, 1905. THE WARNER BROS. CO., Bridgeport, Conn., a Corporation of Connecticut. Renewed August 22, 1925.

45,634. PIANOS. Registered August 22, 1905. THE CABLE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 22, 1925.

45,635. PIANOS. Registered August 22, 1905. THE CABLE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed August 22, 1925.

45,664. THINNERS AND COLORS. Registered August 29, 1905. CHARLES A. WILLEY. Renewed August 29, 1925, to C. A. Willey Company, New York, N. Y., a Corporation of New York, assignee.

45,762. DRILLING. Registered August 29, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed August 29, 1925.

45,784. A REMEDY FOR DYSPEPSIA AND INDIGESTION. Registered August 29, 1905. URIAS B. KLINE. Renewed August 29, 1925, to Mrs. Adaline Arts Bennetch, Reamstown, Pa., successor.

45,826. WOVEN COTTON FABRICS. Registered August 29, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed August 29, 1925.

45,865. WOOLEN CLOTHS. Registered August 29, 1905. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J., a Corporation of Delaware. Renewed August 29, 1925.

45,895. WOVEN COTTON FABRICS. Registered August 29, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed August 29, 1925.

45,941. STOVES AND RANGES. Registered August 29, 1905. THE STAMFORD FOUNDRY COMPANY, Stamford, Conn., a Corporation of Connecticut. Renewed August 29, 1925.

46,104. SHEETINGS AND DRILLINGS. Registered September 5, 1905. ENTERPRISE MFG. CO., Augusta, Ga., a Corporation of Georgia. Renewed September 5, 1925.

46,120. COUGH REMEDY. Registered September 5, 1905. WILLIAM H. LUDEN. Renewed September 5, 1925, to Wm. H. Luden, Inc., Reading, Pa., a Corporation of Pennsylvania, successor.

46,126. SHEETINGS. Registered September 5, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed September 5, 1925.

46,146. CIGARETTES. Registered September 5, 1905. STEPHANO BROS. Renewed September 5, 1925, to Stephano Brothers, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

46,169. RUBBER HEELS AND SOLES. Registered September 5, 1905. FRANK W. WHITCHER, Boston, Mass. Renewed September 5, 1925, to Frank W. Whitcher Company, Portland, Me., and Boston, Mass., a Corporation of Maine, assignee.

46,268. SHEETINGS AND DRILLINGS. Registered September 12, 1905. MINOT, HOOPER & CO., New York, N. Y. Renewed September 12, 1925.

LABELS

REGISTERED APRIL 14, 1925.

28,540.—*Title:* KOMFIT. For Cellulose Sanitary Napkins. AMERICAN WHITE CROSS LABORATORIES, Mount Vernon, N. Y. Published February 5, 1925.

28,541.—*Title:* BELL'S PURE FOOD FLAVORS. For Flavoring Extracts. WILLIAM P. BELL, Buffalo, N. Y. Published December 15, 1924.

28,542.—*Title:* BUTERFLAKE. For Butter Fat. THE BUTERFLAKE CORPORATION, Philadelphia, Pa. Published November 17, 1924.

28,543.—*Title:* CARTER AUTOMATIC WEIGHING FEEDER. For Automatic Weighing Feeders. CARTER-MAYHEW MANUFACTURING COMPANY, Minneapolis, Minn. Published January 19, 1925.

28,544.—*Title:* MAMA'S SECRET. For Candy. J. C. COLLETTI COMPANY, Milwaukee, Wis. Published February 4, 1925.

28,545.—*Title:* DONNA MAY MIXED FRUIT CHIPS. For Small Chips or Pieces of Grapefruit Cooked in Cane-Sugar Sirup Until Candied for Culinary Use in Candies, Cakes, Ice Cream, and Salads. COOPER-ROWLES, Pasadena, Calif. Published February 9, 1925.

28,546.—*Title:* DONNA MAY G L O. For Sirup for Ice Cream Sundaes and Sodas, Cocktails, and Flavoring Purposes. COOPER-ROWLES, Pasadena, Calif. Published February 9, 1925.

28,547.—*Title:* R L C. For Canned Black Cherries. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,548.—*Title:* R L C. For Canned Royal Anne Cherries. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,549.—*Title:* R L C. For Canned String Beans. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,550.—*Title:* R L C. For Canned Tunny Fish. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,551.—*Title:* R L C. For Canned Muscat Grapes. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,552.—*Title:* R L C. For Canned Hominy. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,553.—*Title:* R L C. For Canned Strawberries. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,554.—*Title:* R L C. For Canned Asparagus. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,555.—*Title:* R L C. For Canned Peaches. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,556.—*Title:* R L C. For Canned Corn. R. L. CRAIG & CO., Los Angeles, Calif. Published February 18, 1925.

28,557.—*Title:* R L C. For Canned Green Chilis. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,558.—*Title:* R L C. For Canned Fruits for Salad. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,559.—*Title:* R L C. For Canned Pears. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,560.—*Title:* R L C. For Canned Red Pimientos. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,561.—*Title:* R L C. For Canned Apricots. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,562.—*Title:* R L C. For Canned Loganberries. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,563.—*Title:* R L C. For Canned Blackberries. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,564.—*Title:* R L C. For Canned Sliced Beets. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,565.—*Title:* R L C. For Canned Plums. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,566.—*Title:* R L C. For Canned Pumpkin. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,567.—*Title:* R L C. For Canned Peas. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,568.—*Title:* R L C. For Canned Gooseberries. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,569.—*Title:* R L C. For Canned Sliced Pineapple. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,570.—*Title:* R L C. For Canned Crushed Pineapple. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,571.—*Title:* R L C. For Canned Sliced Yellow Cling Peaches. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,572.—*Title:* R L C. For Canned Sauerkraut. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,573.—*Title:* R L C. For Canned Tomatoes. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,574.—*Title:* R L C. For Canned Grapefruit. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,575.—*Title:* R L C. For Canned Spinach. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,576.—*Title:* R L C. For Tomato Catchup. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,577.—*Title:* R L C. For Canned Raspberries. R. L. CRAIG & Co., Los Angeles, Calif. Published February 18, 1925.

28,578.—*Title:* MULT-I-GAME THE GAME OF MANY GAMES. For a Game. M. CARLTON DANE & Co., Brooklyn, N. Y. Published July 1, 1924.

28,579.—*Title:* SLIPANETE TWO IN ONE GARMENT. For Undergarments. ERDMAN MFG. CO., New York, N. Y. Published December 10, 1924.

28,580.—*Title:* THE SIMPLEX CROSS WORD SPELL TRAY. For Cross-Word Spell Trays. EVERHART & HACKETT, Chicago, Ill. Published January 2, 1925.

28,581.—*Title:* BUNCHES OF RAISINS. For Bread Wrappers. EMILE FRISCH, Chicago, Ill. Published June 23, 1924.

28,582.—*Title:* EDGEMONT CRACKERS. For Crackers. THE GREEN & GREEN COMPANY, Dayton, Ohio. Published February 11, 1925.

28,583.—*Title:* JELLY ROLL. For Candy Bar. BESSIE LESLIE GUY, Chicago, Ill. Published July 26, 1924.

28,584.—*Title:* ZANZIBAR-BRAND COA-SAUCE. For Cocoa Sauce in Dry Powder Form. B. HELLER & COMPANY, Chicago, Ill. Published August 16, 1924.

28,585.—*Title:* U-COMBINE. For Flavoring Compound. B. HELLER & COMPANY, Chicago, Ill. Published February 2, 1925.

28,586.—*Title:* HILDEBRANDT SYLVANA SAUSAGE. For Sausage. THE HILDEBRANDT PROVISION COMPANY, Cleveland, Ohio. Published December 29, 1924.

28,587.—*Title:* DR. BROOKS' CACAO LIQUOR AFTER THE EXCLUSIVE FORMULA OF M. J. BROOKS, M. D. For Wrapper on Boxes for Solid Cakes of Cacao Liquor. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y. Published February 16, 1925.

28,588.—*Title:* THIS IS TWO FIRED VITREOUS CHINA WARE. For Vitreous-China Products. KALAMAZOO SANITARY MFG. CO., Kalamazoo, Mich. Published September 15, 1924.

28,589.—*Title:* KLEAN-BRUSH (TRADE MARK) THE CLEANER THAT CLEANS OLD AND USELESS PAINT AND VARNISH BRUSHES AND GIVES THEM A NEW LEASE OF LIFE. For Compound to Clean Paint and Varnish Brushes. THE KLEAN BRUSH COMPANY, Cleveland, Ohio. Published June 21, 1924.

28,590.—*Title:* MARATHON. For Dry Batteries. MARATHON BATTERY COMPANY, Wausau, Wis. Published May 24, 1924.

28,591.—*Title:* OSCAR MAYER'S LUSCIOUS-HAM. For Hams. OSCAR MAYER & CO. INC., Chicago, Ill. Published September 1, 1924.

28,592.—*Title:* RIECK'S PRIVATE BRAND. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Rieck-McJunkin Dairy Company, Pittsburgh, Pa. Published January 2, 1925.

28,593.—*Title:* SUMNER'S. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to The Sumner Creamery Company, Canton, Ohio. Published January 14, 1925.

28,594.—*Title:* DELICIOUS. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Oswald & Hess Company, Inc., Pittsburgh, Pa. Published February 25, 1925.

28,595.—*Title:* RIECK'S PRIVATE BRAND. For Ice Cream. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Rieck-McJunkin Dairy Company, Pittsburgh, Pa. Published December 24, 1924.

28,596.—*Title:* JERSEY MAID. For Butter. MENASHA, PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Keystone Grocery & Tea Company, Pittsburgh, Pa. Published February 25, 1925.

28,597.—*Title:* LONGFELLOW BREAD. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Zinsmaster Bread Company, St. Paul, Minn. Published March 4, 1925.

28,598.—*Title:* PARKVIEW. For Bread. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Parkview Baking Company, Manitowoc, Wis. Published February 9, 1925.

28,599.—*Title:* "HOME MADES" FAVORITE SELECTIONS. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published February 19, 1925.

28,600.—*Title:* HARD AND CHEWY CENTERS. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published February 24, 1925.

28,601.—*Title:* DESTRUXOL. For Insecticides. PARAGON CHEMICAL CO., Los Angeles, Calif. Published February 27, 1925.

28,602.—*Title:* GOLFEET. For Hosiery. JOS D. RAMBO, Norristown, Pa. Published November 20, 1924.

28,603.—*Title:* GENIALE RECORD. For Disk Records. ERNESTO ROSSI, New York, N. Y. Published December 15, 1924.

28,604.—*Title:* DR. BROWN'S. For Ginger Ale. SCHONEBERGER & NOBLE, INC., New York, N. Y. Published March 2, 1925.

28,605.—*Title:* SCHROEDER PERFECTION TRUSS. For Trusses. HENRY SCHROEDER, San Francisco, Calif. Published January 13, 1924.

28,606.—*Title:* PURPLE CROSS. For Toilet Paper. SENECA PAPER CO., INC., Geneva, N. Y. Published January 12, 1925.

28,607.—*Title:* MASTER. For Toilet Paper. SENECA PAPER CO., INC., Geneva, N. Y. Published January 12, 1925.

28,608.—*Title:* ROSE BUD. For Toilet Paper. SENECA PAPER CO., INC., Geneva, N. Y. Published January 12, 1925.

28,609.—*Title:* SEMI-JUTE. For Toilet Paper. SENECA PAPER CO., INC., Geneva, N. Y. Published January 12, 1925.

28,610.—*Title:* SENECA CHIEF. For Toilet Paper. SENECA PAPER CO., INC., Geneva, N. Y. Published January 12, 1925.

28,611.—*Title:* SMITHS SACCO. For Plant Food. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Published June 1, 1924.

28,612.—*Title:* SMITHS SACCO PLANT FOOD. For Plant Food. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Published June 1, 1924.

28,613.—*Title:* SMITHS SACCO TOILET CLEANSER. For Toilet Cleanser. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio. Published June 1, 1924.

28,614.—*Title:* SPRAZON AUTO ENAMEL. For Auto Enamel and Spray Machine. SPRAZON PRODUCTS CORPORATION, New York, N. Y. Published January 1, 1925.

28,615.—*Title:* NO. 2 DIAMOBLOX. For No. 2 Diamoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO. Moline, Ill. Published January 14, 1925.

28,616.—*Title:* VOGUE HATS. For Hats. VOGUE HAT COMPANY, New York, N. Y. Published January 25, 1925.

28,617.—*Title:* DR. G. S. WAIT'S NOX-ALL FLY-ANT-INSECT SPRAY. For Nox-All Fly-Ant-Insect Spray. GEO. Z. WAIT CO., Sacramento, Calif. Published February 16, 1925.

28,618.—*Title:* WARD'S SNAPY SNACK. For Crispated Milk-Chocolate Confections. WARD'S SNAPPY SNACK CO., Detroit, Mich. Published February 19, 1925.

28,619.—*Title:* GLO-TONE. For Gloss Hair Tonic. ARTHUR EUGENE WATKINS, doing business as A. E. Watkins Company, Des Moines, Iowa. Published October 12, 1924.

28,620.—*Title:* RED DRAGON PAIN PAINT. For Penetrating Application for Relief of Aches, Sprains, Lame Backs and Arms, Aching Joints and Muscles, Muscular Rheumatism, Neuralgia, or General Aches and Pains. CLARENCE P. WYNNE, doing business as Red Dragon Laboratories, Scranton, Pa. Published January 5, 1925.

PRINTS

REGISTERED APRIL 14, 1925.

7,905.—*Title:* SNOWBIRD POCAHONTAS. For Coal. THE EASTERBROOK COAL COMPANY, Cleveland, Ohio. Published February 20, 1925.

7,906.—*Title:* WHAT A DIFFERENCE ELECTRIC LIGHT MAKES. For Mazda Lamps. EDISON LAMP WORKS OF GENERAL ELECTRIC CO., Harrison, N. J. Published February 28, 1925.

7,907.—*Title:* KEIL SAW AND JIMMY PROOF LOCK. For Locks. FRANCIS KEIL & SON, INC., New York, N. Y. Published January 1, 1925.

7,908.—*Title:* SERVE YOURSELF AND SAVE. For Ladies' Frocks, Suits, and Coats. LITTMANN'S, INC., New York, N. Y. Published November 12, 1924.

7,909.—*Title:* DON'T FORGET THE FREE COUPON IN THIS PAPER TOMORROW. For Perfume. SOLOMON SCHWARTZ, New York, N. Y. Published January 28, 1925.

7,910.—*Title:* HERE IS THE PERFUME COUPON. For Perfume. SOLOMON SCHWARTZ, New York, N. Y. Published January 28, 1925.

7,911.—*Title:* PERFUME FOR ALL. For Perfume. SOLOMON SCHWARTZ, New York, N. Y. Published January 28, 1925.

7,912.—*Title:* MAJOR-LEAGUE BOWS. For Sport Bow Neckties. W. F. SMITH, New York, N. Y. Published December 27, 1924.

7,913.—*Title:* DIAGRAM SHOWING CONTOURS OF DOPP CAST IRON SEAMLESS STEAM JACKETED KETTLES. For Kettles. SOWERS MANUFACTURING COMPANY, Buffalo, N. Y. Published May 23, 1924.

7,914.—*Title:* TRIUMPH THERMOMETERS FOR EVERY HOUSEHOLD PURPOSE. For Thermometers. SUSSFELD, LORSCH & SCHIMMEL, New York, N. Y. Published October 15, 1924.

REISSUES

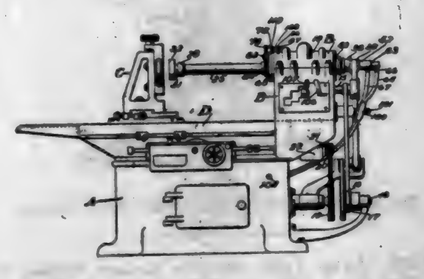
APRIL 14, 1925.

16,042. SEALING CAP AND PROCESS FOR THE MANUFACTURE THEREOF. ADOLF DULITZ, Hirschberg, Germany, assignor to "Flaka" Flaschen-Kappen-Gesellschaft m. b. H., Berlin-Charlottenburg, Germany, a Corporation of Germany. Filed Mar. 5, 1925. Serial No. 13,378. Original No. 1,520,054, dated Dec. 23, 1924, Serial No. 711,247, filed May 5, 1924. 5 Claims. (Cl. 18—58.)

1. A process for obtaining a sealing cover consisting in mixing with acetyl cellulose a water-soluble softening agent, forming therefrom a pellicle on a former and treating the pellicle while on the former with water, for the purpose of causing an exchange of the softening agent for water to take place and of causing only a slight swelling of the pellicle.

16,045. INTERNAL-GRINDING MACHINE. HARRY F. JOSEPH, Davenport, Iowa, assignor, by mesne assignments, to Micro Machine Company, Bettendorf, Iowa, a Corporation of Iowa. Filed Sept. 7, 1923. Serial No. 661,534. Original No. 1,396,123, dated Nov. 8, 1921, Serial No. 401,888, filed Aug. 7, 1920. 14 Claims. (Cl. 51—267.)

9. In a machine for grinding internal-cylindrical recesses, a rotatable drum and means for driving it, a spindle journaled in said drum eccentric to the axis thereof whereby the rotation of the drum will impart a bodily rotation to the spindle, means for axially rotating said spindle at a relatively high speed while bodily rotating, a grinding-wheel carried by said spindle, means

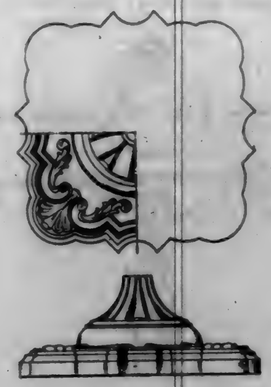


for continuously forcing liquid along said spindle and delivering it at the grinding-wheel-end thereof, and means for delivering the liquid by centrifugal force at a relatively great velocity against the cylindrical face of the work.

DESIGNS

APRIL 14, 1925.

67,003. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 11,859. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,004. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 11,860. Term of patent 3½ years.



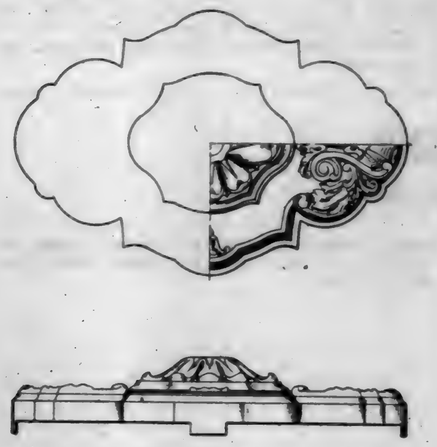
The ornamental design for a lamp base as shown.

67,005. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 11,861. Term of patent 3½ years.



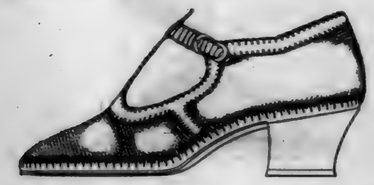
The ornamental design for a lamp base as shown.

67,006. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 2, 1925. Serial No. 11,862. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,007. SHOE. ANDREW BARNA, New York, N. Y. Filed May 14, 1924. Serial No. 9,586. Term of patent 3½ years.



The ornamental design for a shoe as shown and described.

67,008. SPOON OR SIMILAR ARTICLE. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Feb. 3, 1925. Serial No. 12,252. Term of patent 7 years.



The ornamental design for a spoon or similar article, as shown.

67,009. PENDANT FOR LIGHTING FIXTURES. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Herman A. Safion, New York, N. Y. Filed Feb. 4, 1925. Serial No. 12,256. Term of patent 3½ years.



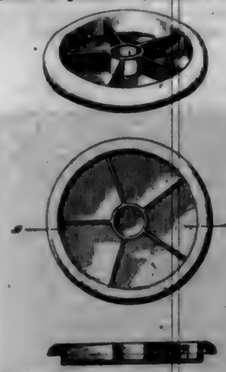
The ornamental design for a pendant for lighting fixtures, as shown.

67,010. TAG FOR WRIST WATCHES. ADOLPH BULOVA, New York, N. Y. Filed Nov. 7, 1924. Serial No. 11,312. Term of patent 3½ years.



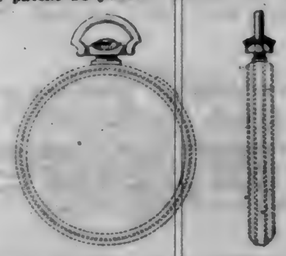
The ornamental design for a tag for wrist watches, as shown.

67,011. RELISH PLATE. IRA M. CLARKE, New Martinsville, W. Va. Filed Dec. 4, 1924. Serial No. 11,589. Term of patent 7 years.



The ornamental design for a relish plate, as shown.

67,012. WATCHCASE APPENDAGE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 21, 1924. Serial No. 11,481. Term of patent 14 years.



The ornamental design for a watchcase appendage, substantially as shown.

67,013. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Co., Toledo, Ohio, a Corporation of Ohio. Filed Aug. 22, 1924. Serial No. 10,531. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

67,014. LIGHTING FIXTURE. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 8, 1925. Serial No. 11,966. Term of patent 7 years.



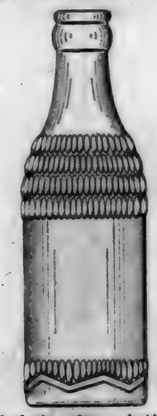
The ornamental design for a lighting fixture as shown.

67,015. BOTTLE. JEROME P. CURRAN, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,157. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,016. BOTTLE. JEROME P. CURRAN, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,158. Term of patent 14 years.



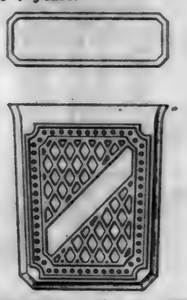
The ornamental design for a bottle, substantially as shown.

67,017. DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 16, 1925. Serial No. 12,393. Term of patent 3½ years.



The ornamental design for a dress, substantially as shown.

67,018. EDIBLE CONTAINER. JAMES DENARO, Cambridge, Mass. Filed Nov. 5, 1924. Serial No. 11,294. Term of patent 7 years.



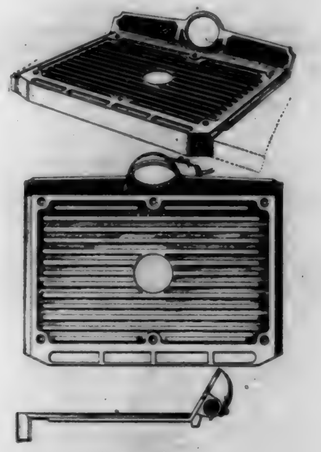
The ornamental design for an edible container as shown.

67,019. TABLE SCARF. JOSEPH DERK, Philadelphia, Pa. Filed Dec. 10, 1924. Serial No. 11,650. Term of patent 3½ years.



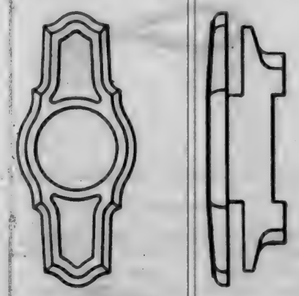
The ornamental design for a table scarf, as shown.

67,020. AUTOMOBILE STEP PLATE. CLAYTON A. DUNHAM, Glencoe, Ill., assignor to Dunhameter Corporation, Chicago, Ill. Filed Dec. 17, 1924. Serial No. 11,723. Term of patent 3½ years.



The ornamental design for an automobile step plate as shown.

67,021. CLAMP FOR AN AUTOMOBILE BUMPER. WAYNE E. DUNSTON, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Feb. 2, 1925. Serial No. 12,242. Term of patent 14 years.



The ornamental design for a clamp for an automobile bumper, as shown.

67,022. LIGHTING FIXTURE. CHARLES GEZELSCHAP, Jr., Milwaukee, Wis., assignor to Grassler & Gezelschap, a Copartnership composed of Edmund Grassler and Charles Gezelschap, Milwaukee, Wis. Filed Feb. 18, 1925. Serial No. 12,409. Term of patent 3½ years.



The ornamental design for a lighting fixture, as shown.

67,023. BOTTLE. PAUL A. GINTER, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,160. Term of patent 14 years.



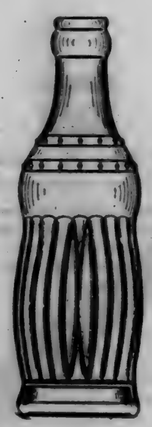
The ornamental design for a bottle, substantially as shown.

67,024. BOTTLE. PAUL A. GINTER, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,161. Term of patent 14 years.



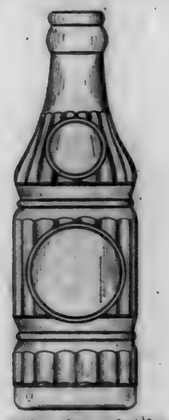
The ornamental design for a bottle, substantially as shown.

67,025. BOTTLE. PAUL A. GINTER, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,162. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,026. BOTTLE. PAUL A. GINTER, Toledo, Ohio. Filed Jan. 27, 1925. Serial No. 12,163. Term of patent 14 years.



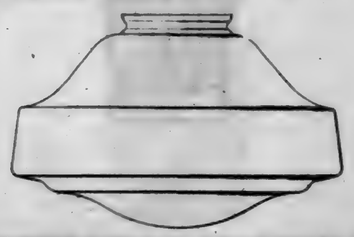
The ornamental design for a bottle, substantially as shown.

67,027. SIGNAL LAMP. CARL J. GIOMETTI, Corning, N. Y. Filed Dec. 26, 1923. Serial No. 8,150. Term of patent 7 years.



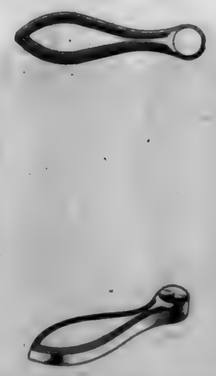
The ornamental design for a signal lamp as shown.

67,028. LIGHTING GLOBE. FLORENCE L. GRANT, Chicago, Ill., assignor, by mesne assignments, to The Miller Company, Meriden, Conn., a Corporation of Connecticut. Filed Nov. 28, 1923. Serial No. 7,866. Term of patent 14 years.



The ornamental design for a lighting globe substantially as shown.

67,029. REGULATOR HANDLE. FREDERICK E. GREENE, New Haven, Conn., assignor to The English & Mersick Co., New Haven, Conn., a Corporation. Filed Oct. 8, 1924. Serial No. 10,996. Term of patent 3½ years.



The ornamental design for a regulator handle as shown.

67,030. BENCH. LEO G. HAASE, Pasadena, Calif. Filed Apr. 24, 1924. Serial No. 9,378. Term of patent 14 years.



The ornamental design for a bench, as shown.

67,031. DOLL OR SIMILAR ARTICLE. SAMUEL HASKELL, Brooklyn, N. Y., assignor to Samuel Robert, New York, N. Y. Filed June 6, 1924. Serial No. 9,812. Term of patent 7 years.



The ornamental design for a doll or similar article as shown.

67,032. POCKET COIN. WILLIAM A. HARTLINE, Midland, Mich. Filed Sept. 8, 1924. Serial No. 10,695. Term of patent 7 years.



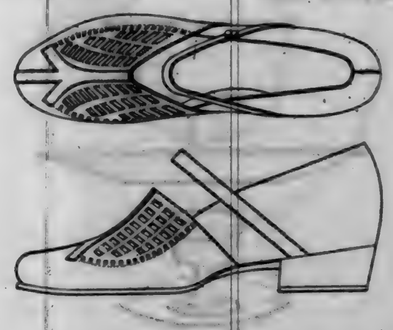
The ornamental design for a pocket coin as shown.

67,033. RADIATOR CAP. ROBERT H. HUMMERT, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 4, 1925. Serial No. 12,261. Term of patent 7 years.



The ornamental design for a radiator cap, as shown.

67,034. SLIPPER. HARRY M. HUSK, Newburyport, Mass. Filed Dec. 17, 1924. Serial No. 11,722. Term of patent 3½ years.



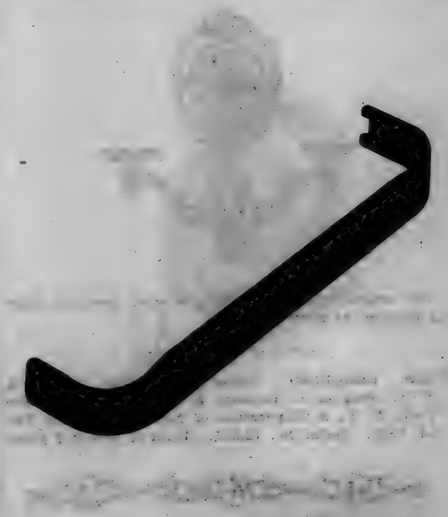
The ornamental design for a slipper, as shown.

67,035. LACE. CHARLES F. IKLE, New York, N. Y., assignor to Ikle Frères & Co., Inc., New York, N. Y., a Corporation of New York. Filed Dec. 27, 1924. Serial No. 11,818. Term of patent 3½ years.



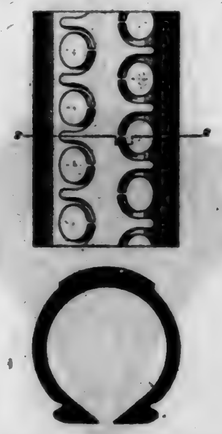
The ornamental design for lace as shown.

67,036. CURTAIN ROD. WILLIAM C. KENNEY, Cranston, R. I., assignor to Kenney Manufacturing Company, a Corporation of Rhode Island. Filed Nov. 28, 1924. Serial No. 11,513. Term of patent 14 years.



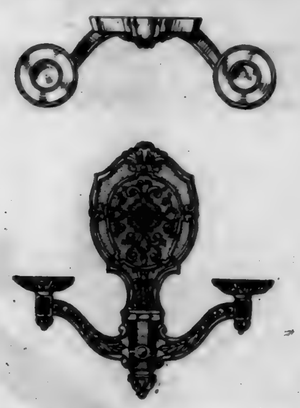
The ornamental design for a curtain rod, as shown.

67,037. TIRE. KARL B. KILBORN, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 21, 1921. Serial No. 524,026. Term of patent 14 years.



The ornamental design for a tire as shown.

67,038. BRACKET BACK FOR LIGHTING FIXTURES. CHARLES ALBERT KUSTER, Elmhurst, N. Y., assignor to Tonoh-Metal Producing Company, a Copartnership composed of Rudolph Kleinman, Jules Bloom, and Isidor Bloom, all of New York, N. Y. Filed Jan. 26, 1925. Serial No. 12,141. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures, as shown.

67,039. BRACELET. HENRY L. LAMBERT, New York, N. Y., assignor to Lambert Bros. Jewelers, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 14, 1925. Serial No. 12,381. Term of patent 7 years.



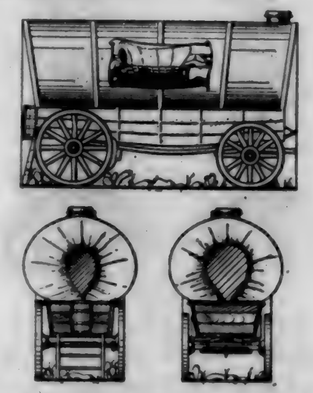
The ornamental design for a bracelet, as shown.

67,040. WATCH BRACELET. SIGMUND L. LEDERER, Providence, R. I. Filed Jan. 13, 1925. Serial No. 12,043. Term of patent 7 years.



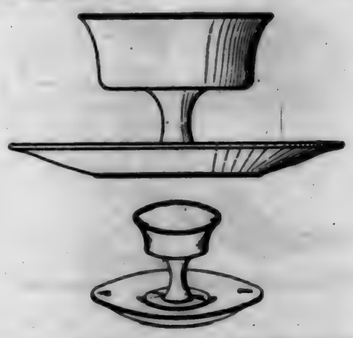
The ornamental design for a watch bracelet, as shown.

67,041. SIRUP CAN. HERBERT C. LONG, San Francisco, Calif. Filed June 9, 1924. Serial No. 9,838. Term of patent 14 years.



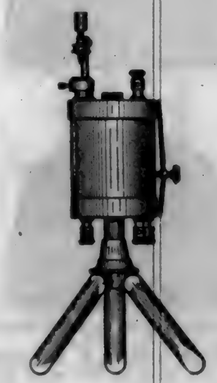
The ornamental design for a sirup can, as shown.

67,042. COMBINATION SERVING DISH. WILLIAM H. MAGEE and EDGAR MOTT BOTTOME, Moundsville, W. Va. Filed Jan. 13, 1925. Serial No. 12,032. Term of patent 3½ years.



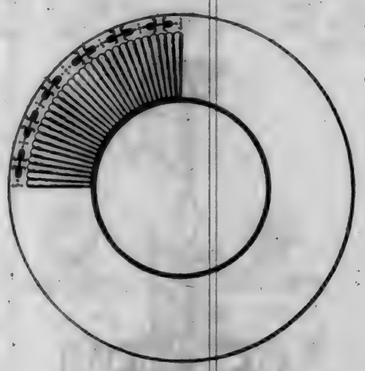
The ornamental design for a combination serving dish, as shown.

67,043. RECEIVING SET FOR WIRELESS MESSAGES. EDWARD MOORE, Nutley, N. J., assignor to Metro Electrical Co. Inc., Newark, N. J. Filed Oct. 8, 1923. Serial No. 7,424. Term of patent 7 years.



The ornamental design for a receiving set for wireless messages as shown.

67,044. PLATE OR SIMILAR ARTICLE. EARL W. NEWTON, Chicago, Ill. Filed May 31, 1923. Serial No. 6,364. Term of patent 7 years.



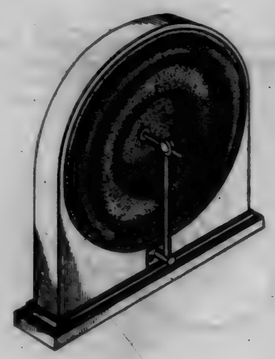
The ornamental design for a plate or similar article, as shown.

67,045. RADIATOR-CAP ORNAMENT. JOHN R. OSBERG, Buffalo, N. Y. Filed Jan. 2, 1925. Serial No. 11,850. Term of patent 7 years.



The ornamental design for a radiator cap ornament, as shown.

67,046. SOUND AMPLIFIER. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed June 19, 1924. Serial No. 9,909. Term of patent 14 years.



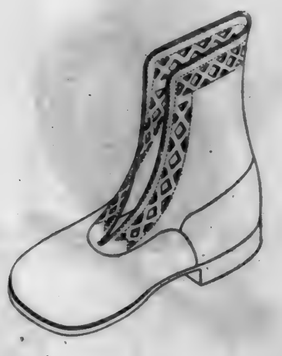
The ornamental design for a sound amplifier as shown.

67,047. SOUND AMPLIFIER. HENRY W. PLEISTER, Westfield, N. J., assignor to Henry B. Newhall. Filed June 19. 1924. Serial No. 9,910. Term of patent 14 years.



The ornamental design for a sound amplifier as shown.

67,048. SHOE. ABRAHAM POSNER, Brooklyn, N. Y. Filed June 28, 1924. Serial No. 9,998. Term of patent 3½ years.



The ornamental design for a shoe, as shown.

67,049. CAP. DAVID ROTHENBERG, Brooklyn, N. Y. Filed Feb. 20, 1925. Serial No. 12,435. Term of patent 14 years.



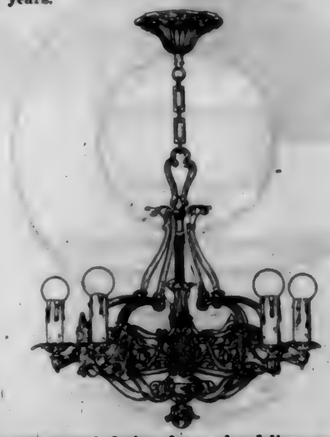
The ornamental design for a cap, as shown.

67,050. LIGHTING FIXTURE BRACKET. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 12, 1925 Serial No. 12,355. Term of patent 3½ years.



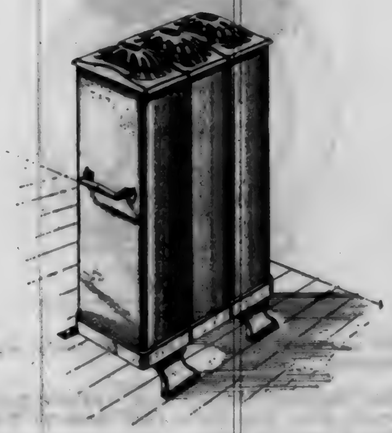
The ornamental design for a lighting fixture bracket, or an article of similar nature, as shown.

67,051. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 18, 1925. Serial No. 12,414. Term of patent 3½ years.



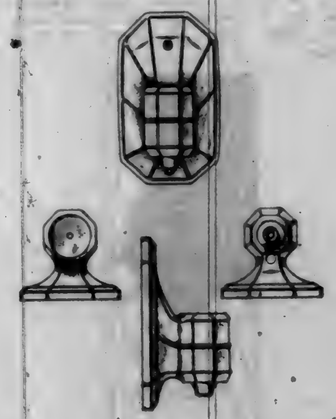
The ornamental design for a chandelier, or article of similar nature as shown.

67,052. ELECTRIC-HEATER CASING. JOSEPH SCHECHFELD, Alameda, Calif., assignor to The Magnavox Company, San Francisco, Calif., a Corporation of Arizona. Filed Feb. 18, 1925. Serial No. 12,415. Term of patent 14 years.



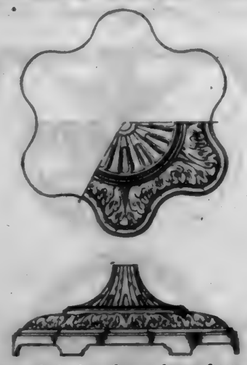
The ornamental design for an electric heater casing, as shown.

67,053. LIGHTING FIXTURE. ROY W. SCHWEIKER, Lansdale, Pa., assignor to Franklin Pottery, Lansdale, Pa., a Corporation of Delaware. Filed Feb. 3, 1925. Serial No. 12,246. Term of patent 14 years.



The ornamental design for a lighting fixture, as shown.

67,054. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,879. Term of patent 3½ years.



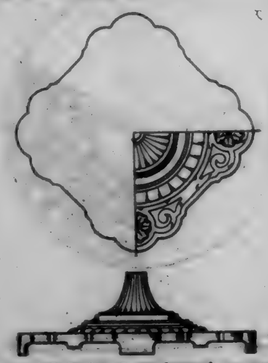
The ornamental design for a lamp base as shown.

67,055. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,880. Term of patent 3½ years.



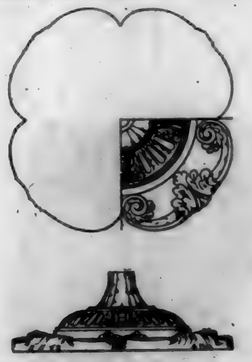
The ornamental design for a lamp base as shown.

67,056. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,881. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,057. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,882. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,058. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,883. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,059. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 3, 1925. Serial No. 11,884. Term of patent 3½ years.



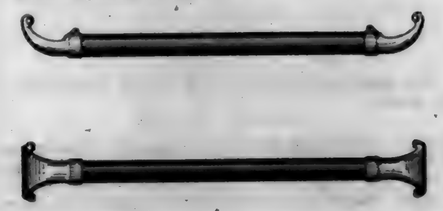
The ornamental design for a lamp base as shown.

67,060. PLATE OR SIMILAR ARTICLE. FREDERICK WILLIAM STARK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Oct. 2, 1924. Serial No. 10,944. Term of patent 7 years.



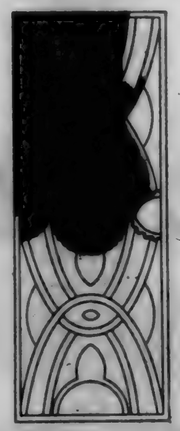
The ornamental design for a plate or similar article, substantially as shown.

67,061. BUMPER IMPACT BAR. HUSTON TAYLOR, Detroit, Mich. Filed Jan. 6, 1925. Serial No. 11,939. Term of patent 14 years.



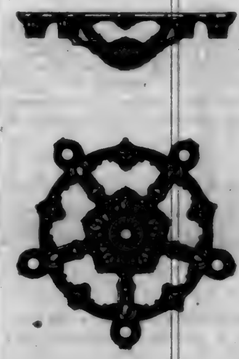
The ornamental design for a bumper impact bar, substantially as shown.

67,062. LACE. EDWIN D. TRAGUE, Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1925. Serial No. 12,879. Term of patent 3½ years.



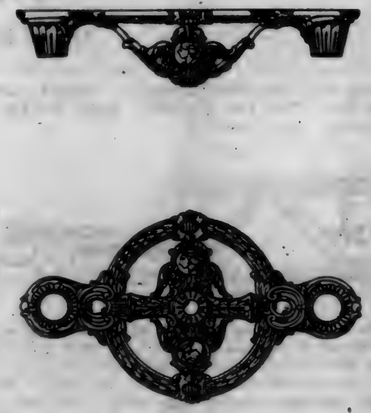
The ornamental design for lace, substantially as shown.

67,063. FIVE-LIGHT BODY HOLDER FOR A CHANDELIER. JACOB SCHAFFER, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 6, 1924. Serial No. 11,608. Term of patent 3½ years.



The ornamental design for a five light body holder for a chandelier as shown.

67,064. TWO-LIGHT BODY HOLDER FOR A CHANDELIER. JACOB SCHAFFER, New York, N. Y., assignor to Star Chandelier Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 6, 1924. Serial No. 11,609. Term of patent 3½ years.

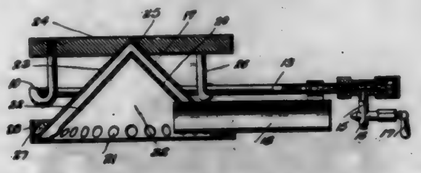


The ornamental design for a two light body holder for a chandelier as shown.

PATENTS

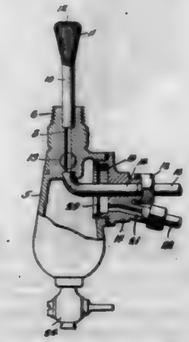
GRANTED APRIL 14, 1925.

1,533,081. OIL BURNER. AUBREY A. ADCOCK, Kansas City, Mo. Filed Dec. 13, 1923. Serial No. 680,382. 3 Claims. (Cl. 158—65.)



1. An oil burner comprising a base pan, a double walled cone secured to the base pan, the inner wall of the cone having perforations near the base and the outer cone having perforations from the base to the apex, a mixing chamber extending through both walls of the cone, and means for discharging a hydrocarbon into the mixing chamber.

1,533,082. GASOLINE BUI-B. ELMER A. ALIG, St. Joseph, Mo. Filed Dec. 4, 1924. Serial No. 753,806. 1 Claim. (Cl. 158—46.5.)



In a device of the character described, a hollow body portion having a solid upper extremity formed with parallel bores, the upper portion of the solid portion being threaded to permit the body portion to be positioned in an opening in the bottom of a tank, a feed pipe extending into the hollow body portion and having one end thereof communicating with one of the bores, the opposite bore establishing communication between the tank and hollow body portion, a pipe extending into the body portion to carry off fluid therefrom, and a pipe extending into the first mentioned bore and terminating at a point in spaced relation with the upper end of the body portion.

1,533,083. METHOD AND APPARATUS FOR SALVAGING ARTILLERY AMMUNITION. GUSTAVE ALLISON, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1924. Serial No. 754,591. 7 Claims. (Cl. 86—1.)

7. An apparatus for salvaging explosive charges contained in small fabric bags, comprising a hopper to receive said bags, a rotary cutter to cut open the bags, means to continuously deliver the bags from the hopper to the cutter, a screen adapted to separate the opened bags from the powder, means to continuously deliver the opened bags and powder from the cutter to said screen,



a second screen adapted to remove the lint from the separated powder, a conveyor connecting said two screens, means to fill the finally screened powder into sacks and weigh it, and a conveyor connecting said second screen with the said sack filling means.

1,533,084. WINDOW-REGULATOR INSTALLATION. THOMAS P. ARCHER and ERNEST E. HEINTZ, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 18, 1924. Serial No. 720,739. 6 Claims. (Cl. 20—52.2.)



1. In a window regulator installation, the combination of a window guide provided with means which can be removed to permit the window to tip, a window lift including a lifting lever, a sliding sash guided in the guide and provided with a track along which the lever is slidable, the said lever and track being connected together so that they are locked against disassembly when the window is in a vertical position but permits disassembly at all points where the window can be freely tilted.

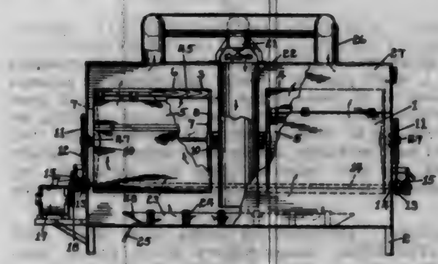
1,533,085. ADJUSTABLE PLASTIC-TAMPING MACHINE. JAMES L. ARNETT, Mannington, W. Va. Filed Mar. 23, 1923. Serial No. 627,196. 7 Claims. (Cl. 94—48.)

1. In a machine of the class described, the combination of a wheeled frame, said frame including vertically disposed side frames, laterally extensible transverse shaft sections, laterally extensible brace members, a roller comprising any desired number of roller sections affixed



to each other end to end, means for simultaneously rotating the roller and driving one of the wheels of the machine forward, and edging tools carried by and vertically adjustable on the side frames.

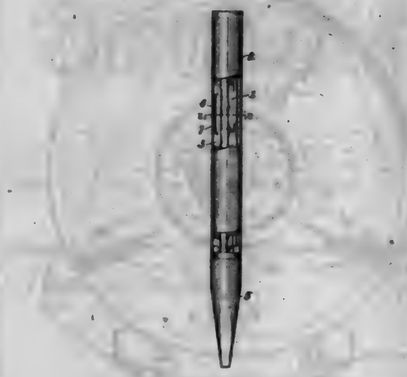
1,533,086. LAUNDRY DRIER. BERT C. BAKER, Prairie Depot, Ohio, assignor of one-third to Harry Williams, one-sixth to Willis C. Kinsley, and one-sixth to William E. Orthwein, all of Toledo, Ohio. Filed July 24, 1924. Serial No. 727,863. 4 Claims. (Cl. 34—5.)



1. In a laundry drying machine, a drum, a case for containing and rotatably supporting the drum, a blower for causing air to circulate through the drum, a deflecting plate for deflecting the air towards the drum to cause the air to circulate through all parts of the drum, electrical heat elements located on the deflecting plate for heating the air as it is being deflected by the deflecting plate.

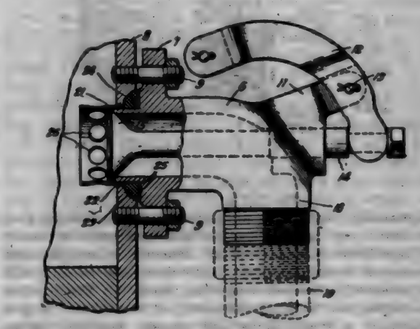
1,533,087. MAGAZINE PENCIL. GERALD L. BASSETT, Toledo, Ohio, assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 627,555. 2 Claims. (Cl. 120—9.)

1. In a pencil of the class described, a longitudinally fluted tube, a barrel mounted over the tube, said tube having a notch in the outer edge of one of its flutes, and a bowed spring member mounted in the notch and having its ends notched to straddle portions of the flute, the convexed side of the spring being disposed outward and



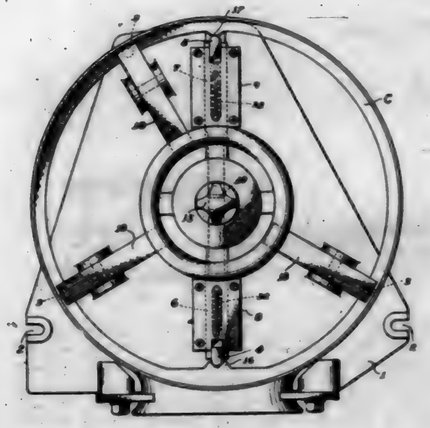
coacting with the barrel wall to firmly connect the barrel and tube to resist relative rotary and longitudinal movements thereof.

1,533,088. PROTECTIVE CAGE FOR BLOW-OFF COCKS. ERNEST BECKER, Green Bay, Wis., assignor of one-half to Lyndon F. Wilson, Chicago, Ill. Filed July 9, 1923. Serial No. 650,241. 6 Claims. (Cl. 251—156.)



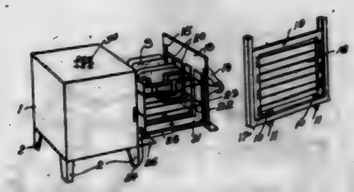
1. The combination with a boiler shell, of a blow-off cock provided adjacent its inner end with an attaching flange, a cylindrical perforated cage provided with a flange adapted to be disposed between said cock flange and said boiler shell, and means for drawing said cock flange toward said shell to clamp said cage flange in position therebetween, the cylindrical body of said cage projecting through the shell into the interior of the boiler.

1,533,089. WORKHOLDING DEVICE. HARRY S. BERGEN, Toledo, Ohio. Filed Sept. 26, 1921. Serial No. 503,198. 11 Claims. (Cl. 90—59.)



1. In a device of the class described, in combination, a universally mounted member, a plurality of clamping members engagable therewith, and means for moving said universally mounted member whereby equalised force is simultaneously exerted upon each of said clamping members.

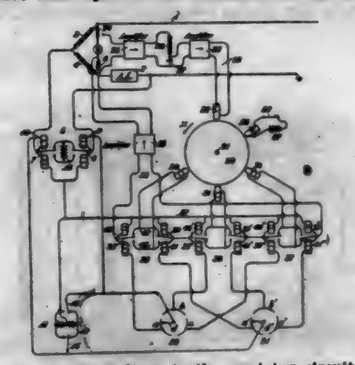
1,533,090. ELECTRIC HEATER. ERNEST W. BLACK, Spokane, Wash. Filed Feb. 15, 1924. Serial No. 693,024. 1 Claim. (Cl. 219—19.)



The combination with an enclosing cabinet having an open front and spaced parallel U-shaped holders therein and detachable electric heating elements in said holders, of carriers located between adjoining holders and slidable relatively thereto, co-acting means on the carriers and holders for limiting movement of the former, a grid comprising a front plate and spaced toasting frames carried thereby adapted to pass between the heating elements, said toasting frames slidably supported in the carriers and means on the frames and carriers for limiting the movement of the former.

1,533,091. DUPLEX SIGNALING SYSTEM. OTTO B. BLACKWELL, Garden City, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 14, 1919. Serial No. 337,961. 12 Claims. (Cl. 178—63.)

1. The method of avoiding the effects of unbalance on the receiving circuit of a duplex transmitting system which consists in creating a voltage having an amplitude and wave form equal to the unbalance voltage and applying the created voltage to the receiving circuit in opposition to the unbalance voltage.

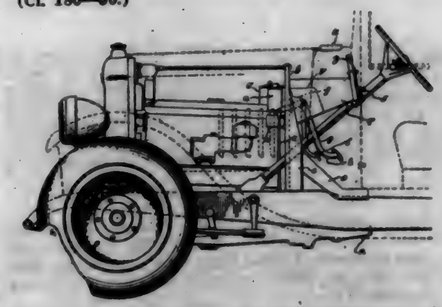


1,533,092. FISHHOOK. GEORGE D. B. BONBRIGHT, Rochester, N. Y. Filed Mar. 16, 1922. Serial No. 544,267. 1 Claim. (Cl. 43—27.)



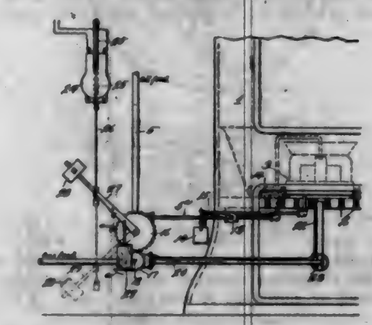
As an article of manufacture a fish hook consisting of a single piece of material and comprising a shank having at its lower end a barbed hook and its upper portion split in two parts, one having an attaching eye at the end in alinement with the shank and the other part bent outwardly and extended substantially parallel with the first mentioned part and having its end sharpened to constitute a barbless bait impaling prong.

1,533,093. AUTOMOBILE DASH AND BODY CONSTRUCTION. JAMES SCRIPPS BOOTH, Detroit, Mich. Filed Mar. 24, 1924. Serial No. 701,566. 6 Claims. (Cl. 180—90.)



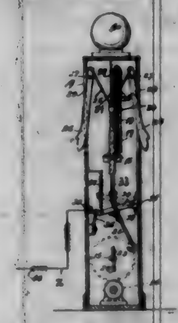
2. In automobile construction, the combination of a chassis frame, a dash supported upon the chassis frame, a tool box supported on the dash behind the same, a hood and cowl supported above the dash and having the division line between the two substantially behind the dash whereby access to the tool box is given through the hood opening, an instrument board supported to the rear of the dash, and a plate connecting the dash and instrument board and forming a tool chamber.

1,533,094. VALVE-CONTROLLED OIL BURNER. RANDOLPH J. BUEHLER, South Bend, Ind. Filed Apr. 5, 1924. Serial No. 704,529. 7 Claims. (Cl. 158—28.)



1. The combination with an oil burner, a preheating burner, an oil supply pipe for said oil burner, a gas supply pipe for said preheating burner, a valve carried by the oil supply pipe, a valve carried by the gas supply pipe, of controlling means for said valves whereby a flow of gas to the preheating burner will be supplied before a flow of oil is supplied to the oil burner, and means whereby when a maximum supply of oil is supplied to the oil burner the supply of gas to the preheating burner will be stopped.

1,533,095. AUTOMATIC SIGNALING DEVICE. JOSEPH BULEWICH, Palmer, and JOHN NOSAREWSKI, Chicopee, Mass. Filed Sept. 27, 1921. Serial No. 508,531. 4 Claims. (Cl. 177—339.)



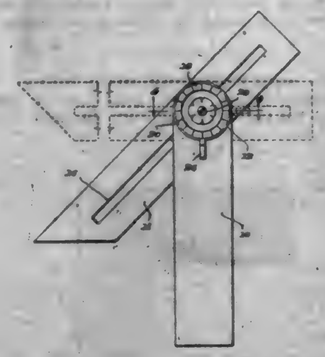
1. In a vehicle signal, a support, a signal, means mounting the signal on the support providing for movement from non-signalling position to signaling position, means for operating the signal from one position to the other including a continuously rotating member, disengageable means for connecting the rotating member with the signal, means for normally holding said means out of connection with the rotatable member, means for releasing the holding means, and means for restoring said holding means to normal position on movement of said operating means to non-signaling position.

1,533,096. RESISTANCE UNIT. FREDERIC H. SCULLIN, Yonkers, N. Y., assignor to Ward Leonard Electric Company, a Corporation of New York. Filed Aug. 24, 1922. Serial No. 583,955. 22 Claims. (Cl. 219—63.)



1. A resistance unit comprising a tubular support, a conductor wound thereon, and a terminal of sheet metal encircling said support and having its ends twisted together to secure the terminal in position.

1,533,097. BEVEL SQUARE. CHRISTIAN BYHRE, Halleck, Calif. Filed May 20, 1924. Serial No. 714,722. 1 Claim. (Cl. 33—102.)

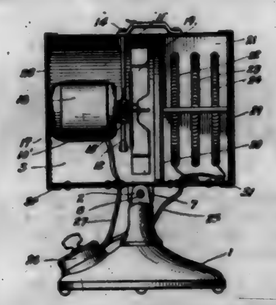


A combined square and bevel including a body portion of U-shaped formation, and a movable blade arranged between the parallel sides of the body portion and having a longitudinal slot, a graduated disk arranged on one side of the body portion, a pin projecting therefrom and passed through said body portion and the slot of the blade, said pin being elongated in cross section, a second graduated disk arranged at the opposite side of the body portion and supported by said pin, whereby both of said disks and blade are moved pivotally as a unit, means carried by the body portion and co-operating with the first mentioned disk for holding the blade fixed with relation to the body portion in predetermined positions, said body portion being thickened adjacent one end and having a substantially V-shaped recess, a lever pivoted on said pin and interposed between the thickened portion of the body member and the second mentioned disk, said lever being V-shaped in cross section and normally arranged in said recess, resilient means for normally holding the lever in said recess and functioning to hold the blade fixed with the body portion in different positions between said predetermined positions, when said lever is removed from the recess and arranged to traverse the latter.

1,533,098. ELECTRIC HEATER. SAMUEL M. CARMEAN and JAMES H. CARMEAN, Kansas City, Mo. Filed Apr. 11, 1924. Serial No. 705,773. 1 Claim. (Cl. 219—42.)

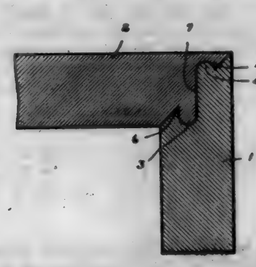
An electric heater consisting of a base having a lug, a casing formed of sheet metal and having struck out portions lying on opposite sides of the lug, means for fastening the lug and struck out portions together so

that the casing will be supported upon the base, a spider within the casing, the outer ends of the arms of which are fastened thereto, a motor secured to the hub



of the spider, a fan on the motor shaft, a stop ring in front of the fan carried by the casing, a heating element within the casing bearing against the stop ring and screens on the respective ends of the casing.

1,533,099. SQUARE-CORNER GLUE JOINT. ROBERT E. CARROLL, Duluth, Minn. Filed July 14, 1924. Serial No. 725,842. 1 Claim. (Cl. 20—92.)



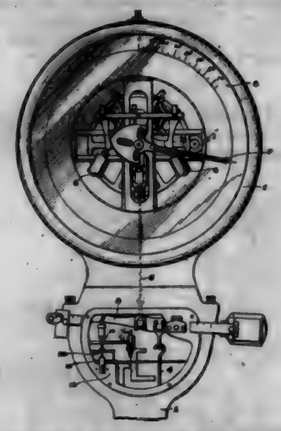
A miter joint comprising two minor straight flat surfaces one at either extremity of the miter, and a larger straight flat surface diagonally disposed in respect to the first mentioned surfaces, and semi-circularly shaped surfaces intermediate of the flat straight surfaces, said joint being separable only in a direction parallel to one of the members and at right angles to the other member.

1,533,100. WATERPROOFED FIBROUS MATERIAL. ALBERT L. CLAFF, Danvers, Mass., assignor to The Flintkote Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1920. Serial No. 419,407. 11 Claims. (Cl. 92—21.)

9. The herein described process, which comprises mixing fibrous material, an aqueous bituminous emulsion, and an alkaline leather solution, then adding a metal salt capable of reacting with such solution to precipitate a gelatinous metal hydrate, whereby said emulsion is broken down and the particles of bitumen are deposited on the fibers, and finally sheeting said fibrous mass.

1,533,101. DASHPOT MOUNTING. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,689. 4 Claims. (Cl. 265—62.)

1. In a machine of the class described, in combination, a frame, a movable element, a resilient member supported on said frame, a dash pot carried by said resilient member, a plunger connected to said movable



element and reciprocally received in said dash pot, and means for controlling auxiliary mechanism arranged to be operated by movement of said dash pot.

1,533,102. BOOKBINDING. ROBERT J. CROSS, Mayfield, Calif. Filed Dec. 13, 1921. Serial No. 522,195. 8 Claims. (Cl. 129—1.)



1. In a note-book of the kind described, a tablet member, a binder member hingedly connected to an edge of the tablet member, means for binding leaves to said binder member, said tablet member having a recess in one side thereof adjacent said binder member and into which said binder member is received when the leaves of the book are opened.

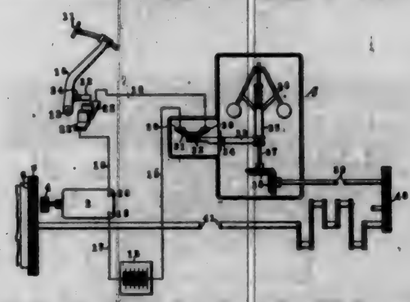
1,533,103. PUMP. EDWARD A. CULBERTSON, Wichita, Kans. Filed Aug. 27, 1923. Serial No. 659,512. 1 Claim. (Cl. 286—27.)



The combination in a pump of a hollow plunger, a sectional plunger barrel composed of a series of connected sleeves, a plurality of series of packing rings disposed between the plunger and one of the barrel

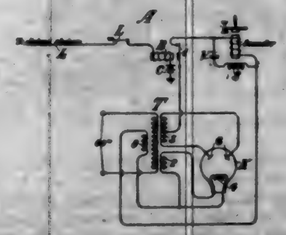
sleeves, an inner sleeve or spacer interposed between each series of packing rings, one of the barrel sleeves provided with an outwardly opening annular groove and having a series of radial openings leading from said groove to the outer surface of the plunger barrel, and a series of radial openings in the barrel sleeve adjacent to the sleeve carrying the annular groove and in combination therewith.

1,533,104. ENGINE-STARTING SYSTEM. CHARLES HALL DAVIS, Jr., Petersburg, Va. Filed July 27, 1923. Serial No. 654,150. 2 Claims. (Cl. 290—38.)



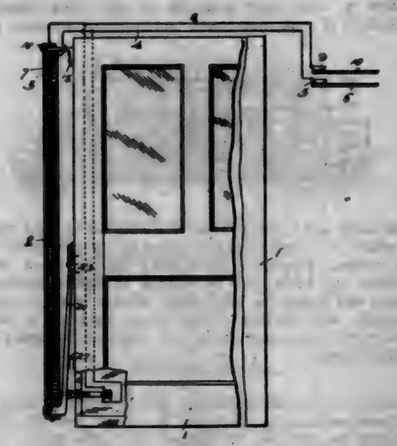
1. A starting system comprising an internal combustion engine, a member to be driven by the engine, a clutch interposed between the engine and said member, a clutch actuating lever, a starting motor, a source of electric energy, a circuit including the motor and said source of energy, a break in said circuit, a contact actuated by said clutch lever and positioned to close the circuit break when the clutch lever is moved beyond the clutch releasing position, means acting automatically upon energizing of the starting motor by the closing of the circuit to mechanically connect the starting motor with a rotatable part of the engine and crank the engine, another break in the motor circuit, and automatic switch mechanism including a contact which closes said last-named circuit break when the engine is at rest, said switch mechanism being actuated by the engine and arranged to break the motor circuit at all engine speeds substantially greater than cranking speed.

1,533,105. ELECTRIC SIGNALING. HENRY C. T. EGGERS, Minneapolis, Minn., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 5, 1920. Serial No. 349,518. 6 Claims. (Cl. 178—68.)



1. In combination, a telegraph sounder, a source of alternating current of a certain frequency, a device for rectifying the same, an output circuit therefor including said sounder, and means bridged across said sounder for rendering the same non-responsive to alternating current, said means being resonant to a frequency double that of said source.

1,533,106. DOOR-SHOE CONSTRUCTION. PARIS E. FORMAN, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Dec. 9, 1922. Serial No. 606,009. 6 Claims. (Cl. 268—8.)



1. In a safety shoe contact device for power operated doors, the combination with an electric circuit, of means carried by the front edge of said door for controlling said circuit, and means for controlling said circuit upon movement of said first mentioned means independently of the control thereof by said first mentioned means.

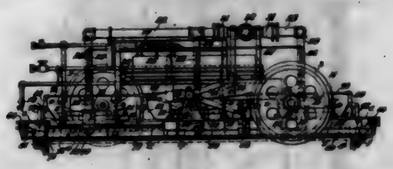
1,533,107. BURNER CARBURETOR COMBINATION. JOHN GOON, Garden City, N. Y., assignor to Good Inventions Co., New York, N. Y., a Corporation of New York. Original application filed Nov. 6, 1919, Serial No. 336,027. Patent No. 1,377,969, dated May 10, 1921. Divided and this application filed Apr. 30, 1921. Serial No. 465,784. 10 Claims. (Cl. 123—122.)

1. In an internal combustion engine, the combination of an intake passage including a carburetor and a Venturi tube, and a burner connected to the throat portion of said tube and adapted to supply combustion products for admixture with the carburetor fuel.

1,533,108. SINTERING APPARATUS. JOHN E. GREENAWALT, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,667. 6 Claims. (Cl. 266—21.)

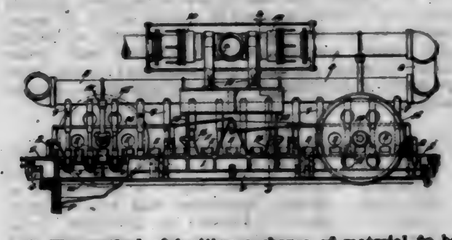
6. In combination with a vessel holding a charge to be treated, a hood adapted to be placed over the charge in spaced relation with the vessel, said hood comprising

a rectangular frame and a roof supported thereby, guide members secured to the side and end frame members in spaced relation therewith, a rectangular sealing frame disposed around the hood frame and confined between the respective members of said frame and the guides, a rock shaft mounted on the hood frame, a plurality of link and lever connections between said



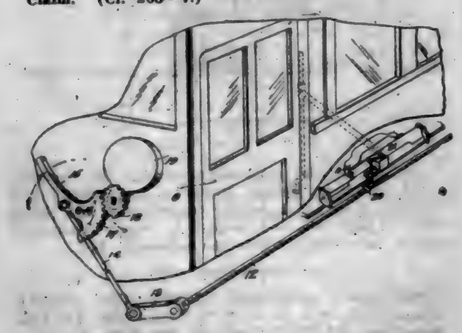
rock shaft and sealing frame for suspending said frame in place, a counter-balance mounted on the shaft for the sealing frame, a lever fixed on the rock shaft whereby the same may be rotated to raise the sealing frame, and means for holding the sealing frame in raised position, said sealing frame being adapted to move downwardly in contact with the vessel on releasing the holding means.

1,533,109. SINTERING APPARATUS. JOHN E. GREENAWALT, New York, N. Y. Filed Mar. 21, 1923. Serial No. 626,668. 7 Claims. (Cl. 266—21.)



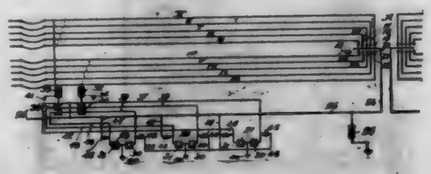
1. The method of igniting a charge of material to be sintered which consists in projecting a plurality of flame jets diagonally toward the charge and simultaneously therewith subjecting the charge to the action of an exhauster whereby the flame from the jets will be drawn against the surface of said charge.

1,533,110. MECHANICALLY-OPERATED MULTIPLE UNIT DOOR-CONTROL SYSTEM FOR CARS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed July 25, 1919. Serial No. 313,405. 1 Claim. (Cl. 268—7.)



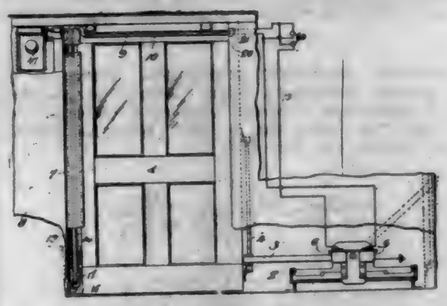
In a mechanically operated multiple unit car door control system, and in combination with the cars of a train, and a plurality of sliding doors for each car, of a rock shaft extending longitudinally the length of each car, means adjacent the doors for sliding said doors to and fro, crank arms on said shaft in operative connection with said door sliding means, a rocker arm fastened to the end of said rocker shaft, said arm pivotally carrying an operating lever, and a governor for said lever for smoothly operating said lever and rocker shaft.

1,533,111. COMBINED MULTIPLE-UNIT CAR-DOOR CONTROL SIGNALING AND ANNOUNCING SYSTEM. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed July 25, 1919. Serial No. 313,406. 5 Claims. (Cl. 105—341.)



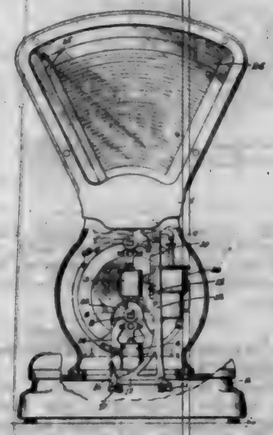
1. In an electrically controlled multiple unit car door control system, and in combination with the cars of a train and electrically controlled devices for controlling the opening and closing movements of the doors of each car of said train, a circuit for each of said devices, means located at one point in the train for selectively controlling the circuit of all of said devices, additional circuits and means for causing said devices to function independently of the main circuit.

1,533,112. CONTROL MECHANISM FOR MOTOR-ACTUATED DOORS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Sept. 30, 1919. Serial No. 327,578. 4 Claims. (Cl. 268—6.)



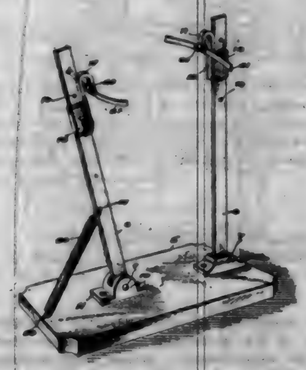
1. In a car door control apparatus, and in combination with a car door and a motor for operating it, an electric circuit for controlling the door opening movement of the motor, a pair of flexible contact members normally insulated from each other and arranged to control said circuit, said contact members connected at one end to the upper part of the door at its front edge, and a lever pivotally mounted on the front edge of the door near its bottom edge to which the other ends of said contact members are connected.

1,533,113. DOUBLE-PENDULUM SCALE. HALVOR O. HAM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 26, 1919. Serial No. 347,430. 11 Claims. (Cl. 265—36.)



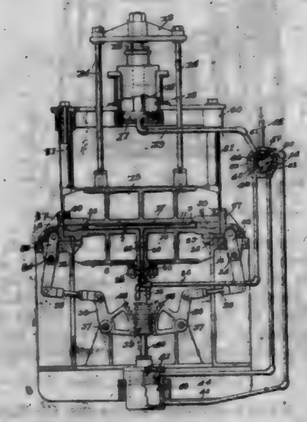
1. In a weighing scale, in combination, a lever, a pair of oppositely-swinging pendulums arranged one over the other, and operative connections from said lever to said pendulums.

1,533,114. BAG HOLDER. JOHN O. HERMAN and EUGENE H. HERMAN, Dillsburg, Pa. Filed June 9, 1924. Serial No. 718,896. 1 Claim. (Cl. 53—38.)



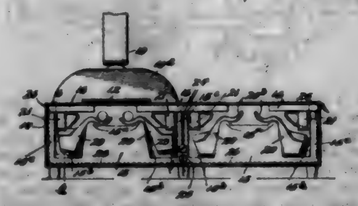
A bag support comprising a base, a pair of standards mounted on the base, one of the standards being pivoted, a pair of sleeves adjustable on the standards and having vertical extensions, the terminal portions of which are formed with return bends defining branches, longitudinally curved smooth bag engaging members connected intermediate their ends to said branches the terminal portions of said branches being enlarged to define shoulders adapted for engagement with the bag when the bag flatly engaged with the outer surfaces of said longitudinally curved members, and spring means to urge the pivoted standard outwardly.

1,533,115. LEATHER PRESS. EDWIN F. HULSEBUS, Milwaukee, Wis., assignor to Pfister & Vogel Leather Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 24, 1921. Serial No. 503,055. 9 Claims. (Cl. 149—23.)



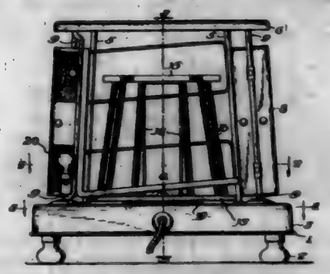
1. In a leather press, the combination of a pair of separable press members cooperating to form a cavity, means for clamping said press members together, an elastic pressing bag disposed in said cavity to act upon the leather therein, and a compressible packing lining the sides of the cavity to prevent extrusion of the bag through the joint between the press members when the bag is expanded by fluid pressure.

1,533,116. ELECTRIC IRON AND STAND. VICTOR G. JENSEN, Chicago, Ill., assignor to C. H. & D. Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1923. Serial No. 673,569. 14 Claims. (Cl. 219—23.)



1. In combination with a sad iron or the like having a contact plug thereon, a heating stand therefor, a stationary contact in said stand, a movable switch member pivotally supported intermediate its ends on said stand, said member having at one end a portion adapted to contact with said plug and receive the weight of the iron when placed on the stand, whereby said member is moved about its pivotal support, said member having at its other end a part adapted to engage said stationary contact when the member is moved by the weight of the iron, the last named end of said member being weighted to cause the same to drop by gravity out of engagement with said stationary contact when the iron is removed from the stand.

1,533,117. TOASTER. BERTRAND B. KAHN, Hamilton, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a Corporation of Ohio. Filed June 7, 1923. Serial No. 643,987. 6 Claims. (Cl. 219—19.)

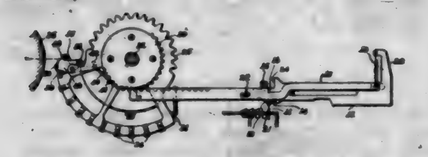


1. In a toaster, the combination of a body having means to supply heat for toasting, a plurality of shafts journaled in the body, slice-holders secured to the several shafts and adapted on rotation thereof to present opposite sides of slices to the heating means, cranks of equal length extending in the same direction from the several shafts, and a member linking the cranks together.

1,533,118. METAL BEARING. JAMES G. KELLY, ALBERT L. PRINGLE, and HOLMES HALL, Sedalia, Mo.; said Pringle assignor to said Kelly and Hall. Filed Aug. 20, 1920. Serial No. 404,864. 3 Claims. (Cl. 75—1.)

1. A metal bearing composed of aluminum, tin, and lead, with the aluminum constituting approximately one-sixth (⅙) of the whole, and the remainder consisting of lead and tin, each being present in substantial amounts but the tin in a predominating quantity.

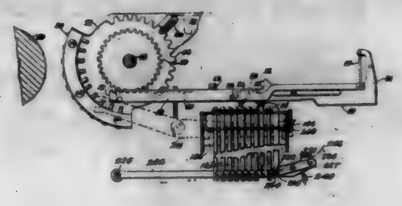
1,533,119. CIPHER CUT-OUT MECHANISM. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 24, 1917. Serial No. 208,566. 29 Claims. (Cl. 235—58.)



1. In a machine of the character described, the combination of a plurality of numeral type carriers; and a zero type carrying support carried entirely on each carrier and adapted to be modified to assume a normal or abnormal condition, and being, when in said abnormal condition, free from any influence by the carrier of the next higher order, and adapted, when in said normal condition, to be moved to printing position by a carrier of the next higher order.

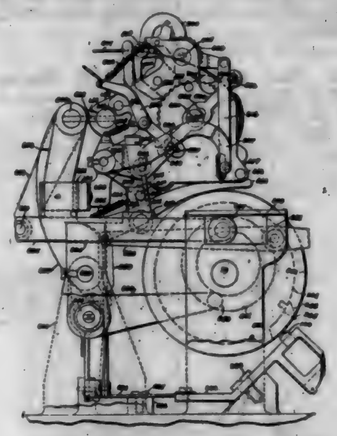
1,533,120. MEANS FOR LOCKING AND ALIGNING TYPE SEGMENTS. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Mar. 28, 1917, Serial No. 158,142. Divided and this application filed Apr. 3, 1918. Serial No. 226,496. 14 Claims. (Cl. 235—58.)

1. In an apparatus of the character described, the combination of type carriers provided with teeth; a plurality of rows of vertically movable stop pins each provided with a shoulder; pivoted shutters adapted to engage under the shoulder of any raised stop; a sliding plate adapted when actuated to move said shutters out of engagement with said shoulders and provided with a lower cam face; means controlled by said pins for



positioning the carriers; a reciprocatory locking bar adapted to be disposed between said teeth; a release arm engaging said cam face; and means for simultaneously and positively reciprocating the locking bar and the release lever.

1,533,121. NONPRINT MECHANISM OF PRINTING TABULATORS. WILLIAM W. LASKER, Brooklyn, N. Y., assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Original application filed Mar. 28, 1917, Serial No. 158,142. Divided and this application filed Apr. 3, 1918. Serial No. 226,500. 20 Claims. (Cl. 235—58.)



1. In an apparatus of the character described, the combination of an accounting machine provided with type and an accumulator; means for operating the accumulator to take totals or to accumulate; a carriage for pressing paper against the type; means operating said carriage; means for rendering the carriage operating means operative or inoperative; and means for controlling the carriage operating means and the accumulator operating means for causing the carriage to operate when the accumulator takes totals.

1,533,122. EDUCATIONAL GAME. CHARLES LADNER, Chicago, Ill. Filed Mar. 6, 1922. Serial No. 541,529. 4 Claims. (Cl. 35—0.)

1. An educational game device comprising a plurality of sectional cards of pictorial design the several separable sections of which are characterized by letters affixed thereto, the sections of one card being inter-



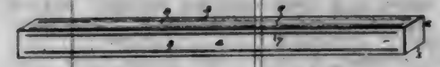
changeable with the corresponding sections respectively of another card to produce different pictorial designs and also different words.

1,533,123. TONGUE-CLEANING DEVICE. OSCAR L. LEWIS, St. Louis, Mo. Filed Sept. 19, 1921. Serial No. 501,787. 1 Claim. (Cl. 128—304.)



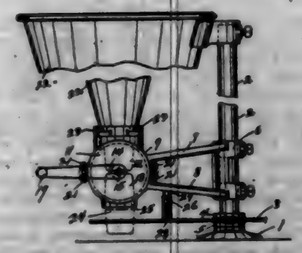
In a device of the class described, the combination with a concave scraping blade having substantially all of its scraping edge in a single plane, and a handle carrying said blade and so related thereto that when the device is in operative position the handle projects downwardly and forwardly and is located laterally of any vertical plane extending in the direction of travel of the blade and passing through the blade.

1,533,124. CUTTING STICK. JOSEPH H. LINDSAY, Wilmington, Del. Filed Sept. 17, 1921. Serial No. 501,492. 1 Claim. (Cl. 164—58.)



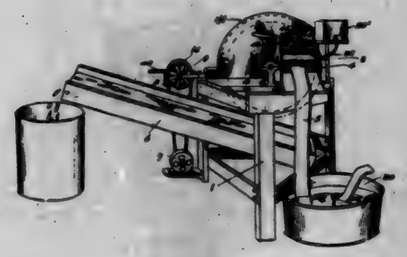
A cutting stick having a plurality of knife-contacting surfaces of vulcanite fiber or its equivalent adapted to be reversed and shifted to present new lines of knife-contact and to resist the crushing action of the knife when engaging said surface on a line closely adjacent a former line of cut.

1,533,125. ICE-CREAM-FILLING MACHINE. HENRY J. MCNICHOLAS, Youngstown, Ohio. Filed Sept. 28, 1923. Serial No. 665,471. 1 Claim. (Cl. 221—106.)



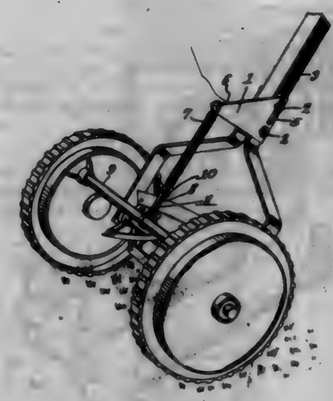
In a dispensing device, a casing, a dispensing element therein having oppositely disposed material receiving pockets, there being a direct venting opening in the dispensing element between the pockets.

1,533,126. RUBBER-TUBE-CUTTING MACHINE. CHARLES B. MARTIN, Canton, Ohio. Filed July 15, 1924. Serial No. 726,164. 6 Claims. (Cl. 164—68.)



1. In a rubber tube cutting machine of the character described, a movable cutter blade cooperating with a stationary blade, means for feeding a rubber tube endwise therebetween for cutting off rubber bands, and means for clamping the tube adjacent the point of cutting adapted to tip the portion of the tube to be cut.

1,533,127. ATTACHMENT FOR A LAWN MOWER. HENRY MARBACH, Platteville, Wis. Filed June 28, 1922. Serial No. 571,401. 3 Claims. (Cl. 56—254.)

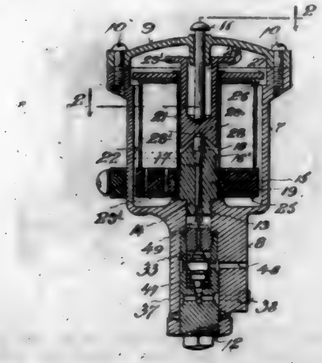


1. An attachment for a lawn mower having a cross rod and a handle, said attachment consisting of a strap for engaging the said cross rod, a spring attached to said trap, a bracket plate connected to said handle, said plate having a plurality of openings, one of said openings being in the form of a slot to permit of its being attached to various sizes of lawn mowers.

1,533,128. MAGNET VALVE. GEORGE W. MEYERS, Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed Nov. 30, 1920. Serial No. 427,431. 8 Claims. (Cl. 137—139.)

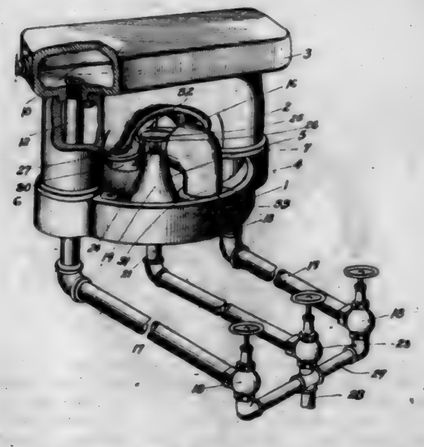
8. A unit control valve for controlling fluid pressure in an operating mechanism, comprising a one piece adjustable valve base provided with fluid pressure me-

dium ports intermediate the ends thereof, an adjustable valve plug in one end of said base, and a valve seat in said plug, a fixed valve seat near the other end of



said base, and a double seating pressure control piston operating to close one port upon opening of the other and vice versa.

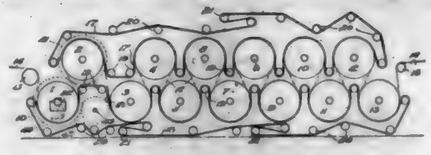
1,533,129. OIL BURNER. EDWIN L. MILLER, Kansas City, Mo. Filed Sept. 10, 1923. Serial No. 661,797. 9 Claims. (Cl. 158—53.)



9. In a burner of the class described, a base plate having a flange rising therefrom to form an oil reservoir, a cone-shaped boss in said reservoir with a conduit opening through the apex thereof, a spreader cap mounted on said apex and spaced therefrom, a generator mounted above said cap, a heat diffusing member located between said spreader cap and generator, and a pipe for supplying oil to said generator.

1,533,130. PAPER-MACHINE DRIER. WILLIAM H. MILLSPAUGH, Sandusky, Ohio, assignor to The Paper and Textile Machinery Co., Sandusky, Ohio, a Corporation of Ohio. Filed Dec. 7, 1922. Serial No. 605,879. 22 Claims. (Cl. 34—48.)

17. An apparatus of the class described comprising a series of drying cylinders in contact with which the paper sheet is successively passed, including a power-connected driving cylinder and a plurality of ungeared anti-frictionally journalled cylinders driven from said



driving cylinder without connections therewith other than through the means employed for passing the sheet in contact with the cylinders.

1,533,131. COMBINED FLOWER AND VANITY BAG. PAUL FREDERICH WILLIAM MULLER, Hoboken, N. J. Filed Feb. 5, 1924. Serial No. 690,801. 4 Claims. (Cl. 41—12.)



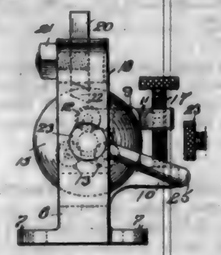
1. A vanity case simulating a flower comprising imitation flower petals secured to the case at their lower ends and loosely surrounding the upper end of said case to form a blossom having an upper, open mouth, means for closing said mouth over said case, a removable stem for allowing the use of said blossom as an ornament, a removable lid for said case, and a means for lifting said lid from said case.

1,533,132. GARDEN TOOL. WILLIAM JOHN NEDHART, South Bend, Ind. Filed July 14, 1924. Serial No. 725,905. 1 Claim. (Cl. 55—148.)
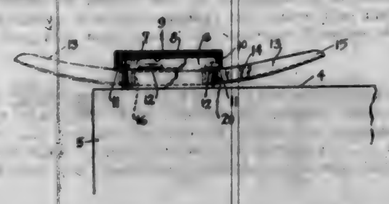


A tool of the character described comprising an elongated body formed of a bar having an end portion thereof twisted to lie in a plane extending at right angles to the plane of the major portion of the bar, said end portion being sharpened at its extremity to provide a cutting edge, said bar being bent laterally at its other end, a grip member carried by said laterally turned end portion, a second bar pivotally attached intermediate its length to the first bar at a slight distance above the upper end of said first-named end portion of the first bar, said second-named bar having an end portion thereof to provide a jaw for co-operating with the first-named end portion of the first bar, an operating handle pivotally attached at one end to the second end of the first-named bar, said first-named bar being offset laterally intermediate its length for the reception of said operating handle, a cover bar secured to said first-named bar in position to retain said operating handle between itself and said offset portion of the first-named bar and to permit movement of said operating handle in a vertical plane, said cover bar having an extension secured to the first-named bar and provided with a laterally turned portion constituting a foot piece.

1,533,133. VALVE-FACING DEVICE. WILLIAM VICTOR NICKAU, Rahway, N. J. Filed Oct. 31, 1921. Serial No. 511,712. 6 Claims. (Cl. 82—1.)



1. In a valve facing device, a frame having thereon forked extensions, a lever arm pivotally mounted in said extensions, a valve holder mounted within said frame and including a plurality of rollers between which the stem of the valve is held for axial rotation, one of said rollers being mounted on said lever arm, and means for adjusting said arm in combination with a facing tool mounted in the frame, and means to axially rotate the valve stem and valve within said roller support.

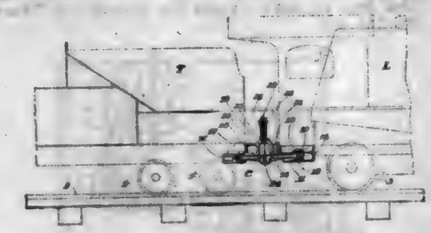
1,533,134. POURING SPOUT. PETER S. O'REILLY, Brooklyn, N. Y., assignor to National Seal Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 8, 1924. Serial No. 742,348. 5 Claims. (Cl. 221—23.)



3. A pouring-spout to engage can nozzles comprising a body with a pouring lip at one end thereof and a pair of spring clamping jaws and a connecting upstanding circular shoulder flange at the other end adapted to partially surround said nozzle in a surface-to-surface contact and lock said spout thereto, said lip and jaws and shoulder flange lying substantially in the same plane.

1,533,135. COUPLER FOR LOCOMOTIVES AND TENDERS. LONNIE E. OSBORNE and NATHAN M. LOWER, Bellevue, Pa., assignors to Franklin Railway Supply Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 28, 1924. Serial No. 702,529. 8 Claims. (Cl. 105—75.)

1. The combination of a locomotive and its tender, a draw bar connected at its opposite ends to said locomotive and tender, and means on said tender exerting an upward pull on the end of the draw bar connected



to the locomotive whereby to lift the last named end for transferring a portion of the weight of the locomotive upon the truck of the tender.

1,533,136. HOLDER. FRANK M. PHELPS, Usk, Wash. Filed May 12, 1924. Serial No. 712,621. 3 Claims. (Cl. 248—39.)



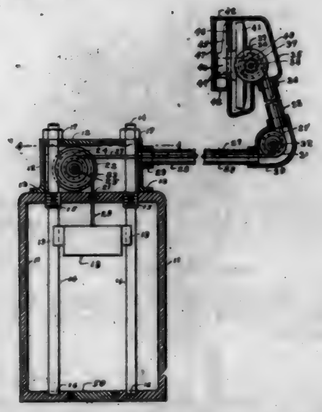
1. The combination with a suction cup having a head and annular bearing groove, of a resilient ring swiveled in the groove, a foldable link hinged to the ring, and an adjustable supporting yoke pivotally connected with said link.

1,533,137. HYDRAULIC GATE. LOUIS J. POSPISIL, Spokane, Wash. Filed May 12, 1921. Serial No. 468,898. 18 Claims. (Cl. 61—25.)



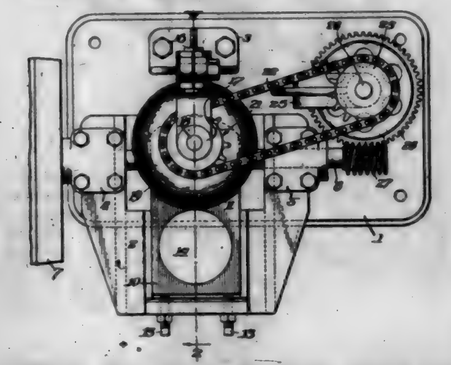
1. A hydraulic gate comprising a plurality of articulated sections in normally spaced relation to each other, and packing means disposed exteriorly of said sections and closing the spaces between said sections irrespective of the folding or un-folding or other relation of said sections with respect to each other.

1,533,138. LIQUID-LEVEL INDICATOR. WILLIAM SOKOLOF and SAMUEL PRESTON, Brooklyn, N. Y. Filed Dec. 12, 1921. Serial No. 521,830. 2 Claims. (Cl. 73—82.)



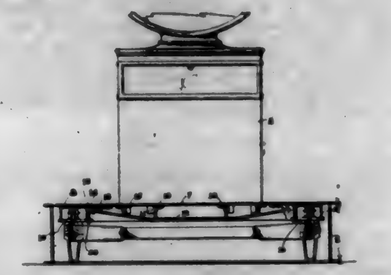
1. In a mechanism for indicating at the front of an automobile the volume of gasoline in a tank situated at the rear of an automobile a float, a flexible means for suspending the float within the tank, a primary drum for winding said means thereon and, a main spring for actuating said drum situated above the float, an index at the front of the automobile, a secondary drum operatively connected to the index and situated at the front of the automobile, a flexible means for transmitting the motion from the primary drum to the secondary drum during the rising of the float and an auxiliary spring connected to the secondary drum to act in opposition to the main spring and to take up the slack of the transmitting means when the same is unwound during the falling of the float.

1,533,139. MACHINE FOR TRIMMING RUBBER HEELS. EDWARD D. PUTT and WILLIAM C. STEVENS, Akron, Ohio, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 23, 1919, Serial No. 524,293. Renewed Dec. 22, 1921. 17 Claims. (Cl. 164—61.)



10. In a machine for trimming rubber heels or similar articles, a knife, a rotatably mounted shield over the knife, a work support in front of said shield and means located on said work support to facilitate shifting of the article to present its entire outer surface to the shield.

1,533,140. PLATFORM CONSTRUCTION. ORWELL C. REEVES, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed July 22, 1920. Serial No. 398,142. 6 Claims. (Cl. 265—71.)



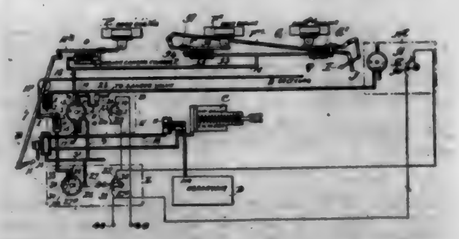
1. A scale platform comprising, in combination, a plate having downwardly-opening channel members secured to and extending along the lower face thereof, and link-supported cross bars bridging the openings in said channel bar.

1,533,141. FLOOR AND CEILING PLATE. EDWARD L. RIDLER, St. Paul, Minn. Filed Mar. 14, 1922. Serial No. 543,809. 2 Claims. (Cl. 126—317.)



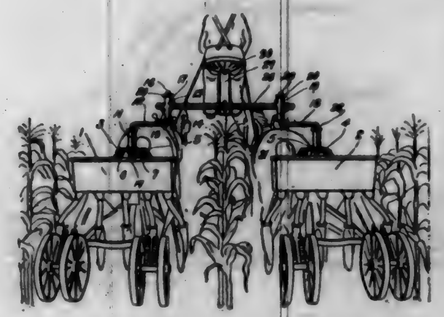
1. A plate divided segmentally and including a sleeve and a dished flange thereon, said sleeve being grooved circumferentially and cupped at one end thereof by said flange, the segments of the plate being designed to be assembled around a pipe, and a flexible retaining member adapted to be coupled at its ends around the sleeve and within said groove for yieldingly, slidably gripping the plate segments in assembled relation upon said pipe.

1,533,142. SAFETY CONTROL MECHANISM FOR CARS. HAROLD ROWNTREE, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed July 9, 1921. Serial No. 483,410. 16 Claims. (Cl. 303—6.)



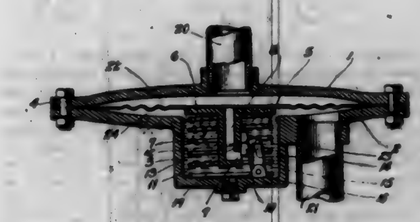
1. In a car operating system, the combination with normal car operation devices, of emergency means for controlling said normal car operation devices, and means controlled by a car attendant for rendering said emergency controlling means inoperative.

1,533,143. RIDING ATTACHMENT FOR GRAIN DRILLS. CHARLES F. RYBA, Beardsley, Kans. Filed Mar. 27, 1924. Serial No. 702,271. 1 Claim. (Cl. 111—59.)



In combination with a pair of grain drills, a bracket on each of the grain drills provided with a socket, perch arms, each having an end located in one of said sockets, sleeves movably mounted on the opposite ends of said arms, a perch bar fixed to said sleeves and connecting the grain drills in spaced relation, and a driver's seat fixed on said perch bar, one of the perch arms having non-rotatable connection with its socket, the other arms and said sleeves being rotatably mounted.

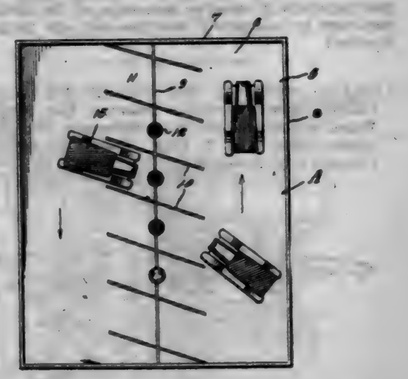
1,533,144. NONRETURN VALVE. RALPH E. SCHUBTS, Kansas City, Mo. Original application filed Dec. 20, 1918, Serial No. 267,614. Divided and this application filed Sept. 21, 1923. Serial No. 664,014. 9 Claims. (Cl. 50—23.)



1. A non-return valve comprising a casing, a diaphragm dividing the casing into an inlet chamber and an outlet chamber, a slide valve mechanism for communicating the two chambers upon preponderating pressure in the inlet chamber and closing off communication upon the preponderating pressure in the outlet chamber.

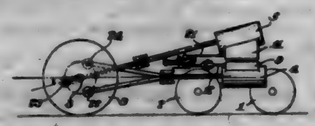
1,533,145. PUZZLE. WILLIAM B. SMITH, Fond du Lac, Wis. Filed June 27, 1924. Serial No. 722,769. 2 Claims. (Cl. 273—115.)

1. A game comprising a base including a bottom wall having its upper face formed to represent an automobile parking area on a city street divided into individual parking spaces, a plurality of toy vehicles having ground



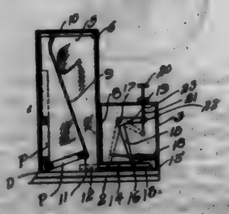
wheels arranged to travel over the bottom wall, and end and side walls carried by the bottom wall for limiting the movement of the toy vehicles on said bottom wall.

1,533,146. LOCOMOTIVE WITH THREE CYLINDERS. JOHANN STUMPF, Berlin, Germany. Filed Apr. 17, 1916. Serial No. 91,792. 1 Claim. (Cl. 121—116.)



In a locomotive, the combination of three cylinders, two of which are mounted, one on each side of the locomotive, in a common plane, said side cylinders having cranks placed at substantially 120° apart, a middle cylinder mounted higher than the side cylinders, having its axis at an angle of inclination to said common plane and having its crank dislocated from its normal 120° position at approximately the same angle, said cylinders provided with suitable distribution valves, and each side-cylinder-valve with a suitable valve gear, and means for communicating to the middle cylinder valve a resultant of movements of substantially the same kind and amount, derived from the side cylinder valve gear actuations, in order to secure proper relative distribution to said three cylinders.

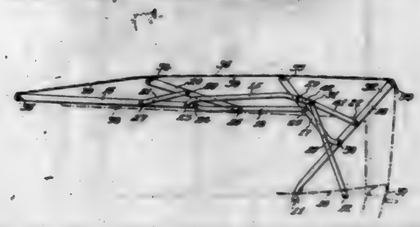
1,533,147. DISPENSING MACHINE. SVERRE R. SVENDSGAARD, Tekoa, Wash. Filed June 14, 1923. Serial No. 645,248. 1 Claim. (Cl. 211—7.)



In a dispensing cabinet the combination with a partition terminating below the top of the cabinet, of a packet hanger comprising a plate having a bottom supporting

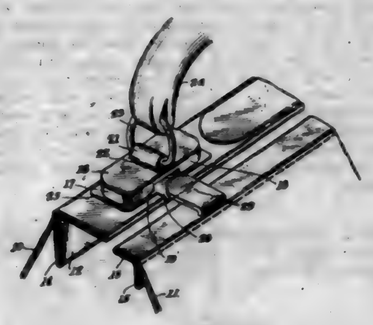
flange, and a suspending hook at the upper end of said plate projecting at right angles to the flange for pivotal support on the partition, said hook being offset from the plate to insure a swinging movement of the plate when the latter is unsupported from the rear, for the purpose described.

1,533,148. FOLDING TOP FRAME FOR AUTOMOBILES. EDWIN SHEPPARD TOMKINS, Hay, New South Wales, and ALEXANDER MAIR, Melbourne, Victoria, Australia. Filed Aug. 2, 1924. Serial No. 729,856. 8 Claims. (Cl. 296—116.)



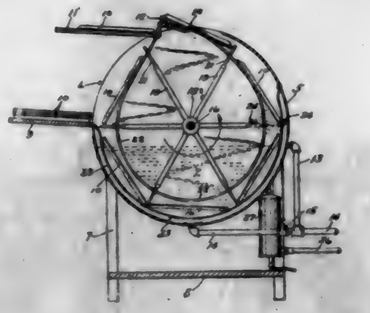
1. In a folding car top frame of the character described, the combination with main stanchions pivotally anchored to the body of the car, hanger stanchions pivotally carried by the main stanchions, and stretcher members pivotally carried by the hanger stanchions, of cantilevers fulcrumed on the hanger stanchions, their forward arms pivotally supporting the stretcher members, and their rearward arms link connected to the body of the car.

1,533,149. BAG-FRAME REGISTERING AND HANDLE CONNECTION. HUGO TUECKMANTEL, Newark, N. J., assignor to The T. & L. Co. Inc., Newark, N. J., a Corporation of New Jersey. Filed Apr. 5, 1923. Serial No. 629,990. 4 Claims. (Cl. 190—57.)



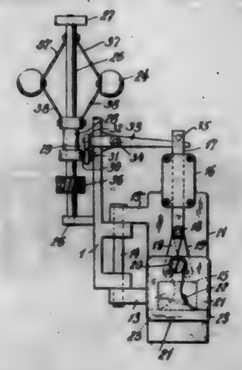
2. A bag handle connection comprising a recessed casing having a raised transverse ridge open at its ends, a handle carried ring pivotally mounted in said ridge, a base plate extending marginally beyond said casing, prongs integral with the ends of said casing passing through said base plate and bag frame on which it is mounted, said prongs upon being bent acting to prevent separation, an extension on said plate bent re-entrantly to enfold the edge of the bag frame and a means on one of the frame members of said bag adapted to frictionally engage the recess in said casing for holding the frame members of said bag in register.

1,533,150. MACHINE FOR WASHING SERVING TRAYS. CARL J. ULRICH, Lake Crystal, and WYMAN A. MILLER, Minneapolis, Minn. Filed June 13, 1921. Serial No. 477,103. 4 Claims. (Cl. 141—9.)



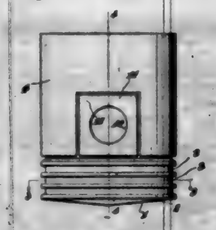
1. The combination with a water-containing receptacle, of inner and outer laterally spaced pairs of tray guides in the receptacle, and a reel working at one side of the guides and having means working between the inner pair of guides, said means being arranged to move successive trays on the outer pair of guides through the water and thereabove, said inner and outer guides being arranged to cause the trays to move under the action of gravity from the outer pair of guides onto the inner pair of guides into draining position.

1,533,151. RADIALLY-OPENING FIRE SHUTTER. FRANK H. VICK, New York, N. Y., assignor to Nicholas Power Company, Inc., New York, N. Y., a Corporation of Delaware. Filed May 25, 1921. Serial No. 472,465. 4 Claims. (Cl. 88—19.4.)



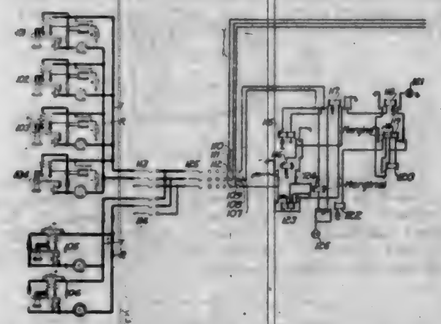
1. In a picture projector having a projecting light and a film-driving mechanism, a safety shutter comprising a pair of shutter blades pivoted above the projection aperture and adapted to normally hang under the influence of gravity alone in depending position and in such relation as to completely cover said aperture, a centrifugally actuated governor operated by the film-moving mechanism, said governor having a slidable portion assuming various petitions depending upon the speed of operation and means for swinging said shutter blades in opposite directions to uncover said aperture by reason of the movement of said slidable member.

1,533,152. PISTON. ALBERT H. WADELL, Newark, N. J. Filed Mar. 7, 1921. Serial No. 450,235. 8 Claims. (Cl. 74—108.)



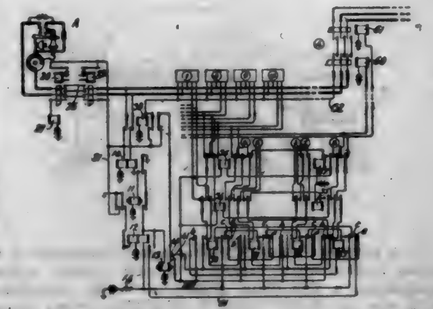
1. A piston of the class described including a head comprising an end portion and wall portion, an expansible skirt portion, rib members integrally connecting the skirt portion with the end portion of the head and a steel band disposed between the ribs and the wall portion of the head.

1,533,153. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,079. 1 Claim. (Cl. 179—17.)



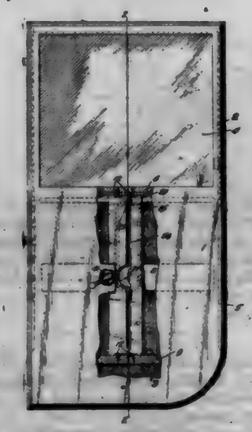
In a telephone system, a party line, a plurality of substations connected thereto, an impulse transmitter for each said substation, means comprising automatic switches responsive to impulses transmitted by said substation impulse transmitters for extending said line, a ring-back device accessible to said switches, said ring-back device comprising signaling means, relays responsive to impulses transmitted by said substation transmitters for selectively controlling said signaling means to signal the calling and the called parties on said party line, an interrupter comprising a pair of relays successively energized in all possible combinations for alternately connecting said signaling means during one period to signal the called party and during another period to signal the calling party, a relay responsive to a line condition created by the act of the calling party in replacing his receiver on its hook for causing said interrupter to operate, a relay responsive to a line condition created by the act of the called or the calling party in subsequently removing his receiver from its hook for cutting off said signaling means, a relay responsive to said last-named relay for thereupon locking said interrupter out of service until said ring-back device is released, and releasing means responsive to a line condition created by the act of both the calling and called parties in replacing their receivers on their hooks for restoring said ring-back device to normal and for releasing said automatic switches.

1,533,154. CIRCUIT-CONTROLLING APPARATUS. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 16, 1920. Serial No. 431,603. 4 Claims. (Cl. 179—18.)



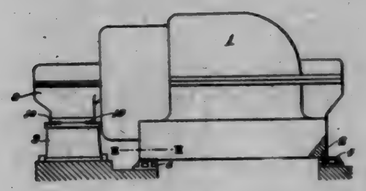
1. In a telephone system, an impulse sender, a selector comprising a series of counting relays, a number of selectable lines, means for successively energizing the counting relays a plurality of times, and a plurality of transfer relays cooperating with said counting relays for selecting the line corresponding to the number of impulses transmitted by said sender.

1,533,155. WINDOW-OPERATING MECHANISM. ANTHONY ZITTERBART, Buffalo, N. Y., assignor to Matthias Strodel, Buffalo, N. Y. Filed Feb. 6, 1922. Serial No. 534,434. 5 Claims. (Cl. 268—4.)



1. In a window operating device, the combination with a window attached member, of means for imparting movement thereto including a gear wheel, a pair of parallel racks connected to said window attached member operated by said gear wheel and arranged to successively engage said gear wheel, so as to be moved endwise and be reversed by said gear wheel and means for locking said racks in any position to which they may be moved.

1,533,156. STEAM TURBINE. KARL BAUMANN, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,785. 5 Claims. (Cl. 253—39.)



1. A structure for maintaining correct alignment of a steam turbine when expansion of the casing occurs comprising, a sole plate having a dowel connection with one end of the casing in a central vertical plane thereof, guides carried by the sole-plate or foundation at the other end of the turbine and adapted to engage with suitable surfaces formed on the turbine casing or frame equidistant from the central vertical plane on each side thereof and equally inclined thereto, the inclination of each of said surfaces being in the direction of the resultant of the laterally and longitudinally acting expansive forces.

1,533,157. MODULATING METHOD AND APPARATUS. WILLIAM E. BEATTY, Bayside, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 11, 1919. Serial No. 344,039. 9 Claims. (Cl. 179—171.)



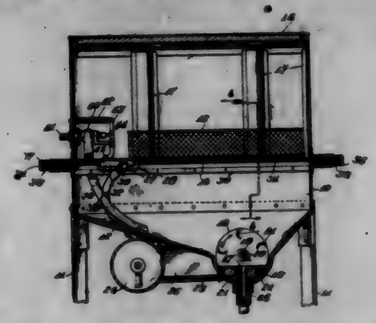
1. The method of variably controlling a current in accordance with signal waves which comprises causing said current to pass as an electron discharge from a cathode normally electronically inactive and simultaneously maintaining the electron emissivity of said cathode substantially proportional to the amplitude of said signal wave.

1,533,158. HYDROCARBON EMULSION AND PROCESS OF MAKING SAME. CHARLES B. BELKNAP, Detroit, Mich. Filed Oct. 6, 1920. Serial No. 415,161. 6 Claims. (Cl. 44—9.)

1. A liquid combustible fuel, comprising an emulsion of hydrocarbon oil, water and an emulsifying agent, said emulsifying agent containing an oxidizing substance.

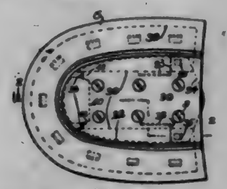
1,533,159. WASHING MACHINE. GEORGE S. BLAKESLEE, Oak Park, Ill.; George B. Blakeslee executor of said George S. Blakeslee, deceased. Filed Nov. 7, 1919. Serial No. 336,512. 15 Claims. (Cl. 141—9.)

5. A washing machine comprising means for supporting the articles to be washed, traveling means for throwing water upon such articles, a valve for controlling the supply of water to said water throwing means, said valve being normally open when said water



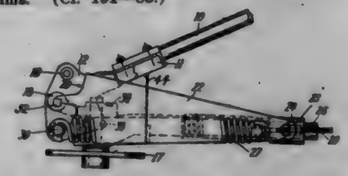
throwing means is traveling, and means actuated by the movement of said water throwing means to its inoperative position for closing said valve.

1,533,160. TWO-PART HEEL. LEON BUCKNER, New York, N. Y. Filed Sept. 17, 1921. Serial No. 501,415. 7 Claims. (Cl. 36—36.)



1. A two part heel comprising an inner heel portion attached to the shoe; a U-shaped outer heel portion of resilient material, plates carried respectively by the inner and outer heel portions, and latching means carried by said plates for latching them together for holding the two heel portions in place.

1,533,161. AUTOMATIC RESETTING TROLLEY CARRIER FOR ELECTRIC STREET CARS. ROBERT JOHN BURN, Croydon, near Sydney, New South Wales, Australia. Filed Apr. 1, 1924. Serial No. 703,357. 9 Claims. (Cl. 191—88.)



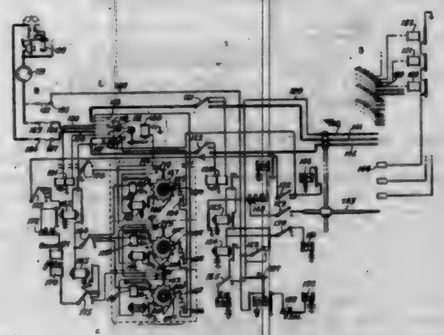
1. A trolley arm mounting comprising a horizontally rotatable carriage, a shoulder member carrying the arm and mounted on a horizontal pivot in the forward end of said carriage, striker lugs extending laterally from the shoulder member above and below said pivot respectively, a slider movable along the rear end of the carriage, a tension spring connecting said slider with the lower part of the arm shoulder, a strut member connected at one end to said slider and at the other end engageable by a check toe with an abutment situate in axial relation to the shoulder pivot, and cam faces on the fore end of the strut above and below said check toe, said cam faces in operative relation to the striker lugs on the shoulder member.

1,533,162. WRITING DEVICE. ALEXANDER CRESSE, Chicago, Ill. Filed July 28, 1923. Serial No. 653,239. Renewed Dec. 1, 1924. 7 Claims. (Cl. 120—42.)



1. In a combined pencil and pen, the combination of a barrel, a double-walled ink sack therein providing an annular ink chamber closed at one end and open at its other end, pen-and-pencil head mechanism at the front end of said barrel, means in said mechanism for holding a pen, said head mechanism being provided with an ink channel from said chamber to the pen, a tube for pencil mechanism extending through the central space provided by said sack, means for collapsing said sack for charging the same with ink, said tube extending into said head mechanism, and pencil mechanism mounted in said tube for longitudinal movement therein, said pencil mechanism including means for advancing lead therein.

1,533,163. TELEPHONE-EXCHANGE SYSTEM. HENRY P. CLAUSEN, Mamaroneck, and CHARLES L. GOODRUM, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,771. 10 Claims. (Cl. 179—18.)

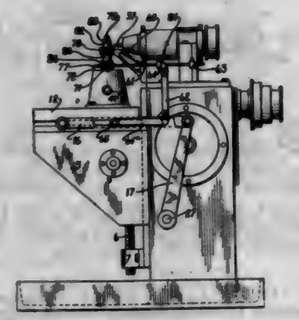


1. In a telephone exchange system, an automatic switch having trunk terminals arranged in groups, an impulse sender for operating said switch to select a desired group, and means responsive to the busy condition of all the trunks of the selected group for storing impulses.

1,533,164. COMPOSITION FOR WHITE SHOE DRESSING. ANDREW G. COLLIAS, Detroit, Mich. Filed Dec. 29, 1923. Serial No. 683,371. 3 Claims. (Cl. 134—9.)

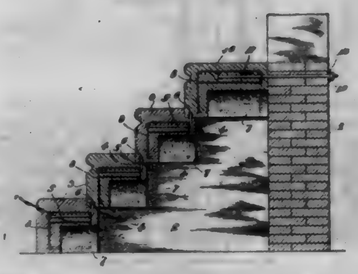
2. A composition of matter adapted as a white dressing and polish for shoes comprising oil of bitter almond from one to three drams; oil of citronella from one to three drams; stearic acid from one fourth to one ounce; light zinc oxide from twelve to twenty ounces; magnesium carbonate from twelve to twenty ounces; talcum twenty to forty ounces; carbon tetrachloride from one to three pints; beeswax from one to three ounces; gasoline from three to five quarts, all thoroughly mixed together in a liquid form.

1,533,165. METHOD OF INDEXING GEARS. MILTON O. CROSS, Detroit, Mich. Original application filed Apr. 5, 1918, Serial No. 226,829. Divided and this application filed July 17, 1922. Serial No. 575,452. 6 Claims. (Cl. 29—159.)



1. The method of indexing a gear having formed teeth consisting in first turning the gear to approximately index the same, releasing the gear to turn in either direction, and then causing engagement of the gear teeth with a part having teeth complemental thereto whereby the gear is fixedly indexed by formed teeth.

1,533,166. CONCRETE STEP. HARRY A. DALY, Philadelphia, Pa. Filed June 14, 1923. Serial No. 645,247. 4 Claims. (Cl. 72—96.)

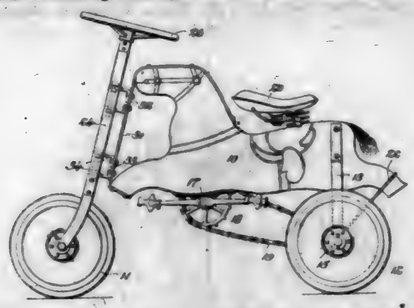


1. A stoop including concrete steps, the meeting corner of one step being provided with holes, the meeting corner of the other step being provided with a shoulder for receiving the corner of the first step, and vertical bars projecting from the shoulders and adapted to take into the holes of the first step.

1,533,167. TOY VEHICLE. WILLIAM F. DATHAN, Glencoe, Ill. Filed June 4, 1924. Serial No. 717,836. 8 Claims. (Cl. 208—42.)

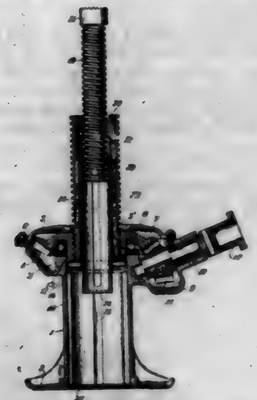
1. In a toy vehicle, a body portion, arms secured at their upper ends to said body portion and extending downwardly from the latter, a wheel shaft carried by

said arms, propelling mechanism for said vehicle including a sprocket on said shaft, a sprocket on the body, a chain connecting said sprockets, and a combined chain



tightener and body brace consisting of a rod adjustably secured at its ends to said arms and extending diagonally upward and over a portion of said body.

1,533,168. LIFTING JACK. IRWIN E. DEARSLEY, Racine Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 14, 1924. Serial No. 732,041. 7 Claims. (Cl. 254—102.)



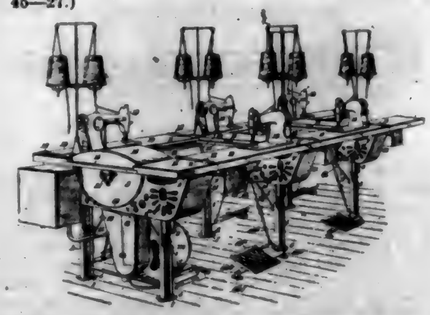
1. A lifting jack comprising a hollow standard, a rotatable driving member mounted in the upper portion of the standard, a pair of nested screws mounted in the standard and driving member, and separate connections between the standard and each screw, whereby when the driving member is continuously rotated the screws will be individually and successively elevated.

1,533,169. FLOWER-WEARING DEVICE. ROBERT D. DONOHUE, New York, N. Y. Filed Dec. 13, 1923. Serial No. 680,333. 2 Claims. (Cl. 24—6.)



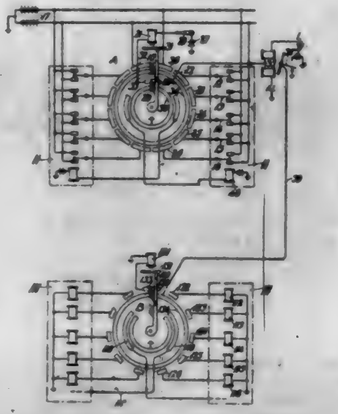
1. A flower wearing device having the combination of a body portion for backing the flower stems, a series of openings at each side of said body portion, and a wire disposed against the rear of said portion and passing, through said openings for fastening the stems to said portion.

1,533,170. POWER TABLE. OLIVER L. DOSCH, Elizabeth, N. J., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed June 6, 1917. Serial No. 173,083. 15 Claims. (Cl. 45—27.)



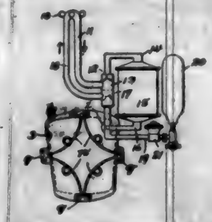
15. A power table comprising a plurality of table top supporting framework units each including a pair of legs, spacers carried by said legs and parallel side-wall members connected together by said spacers to form laterally closed housings, a power-shaft passing through said housings, and manually controlled power-transmitters mounted in said housings and connected to be driven by said shaft.

1,533,171. TELEGRAPH SYSTEM. ANDREW D. DOWD, Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1919. Serial No. 329,195. 6 Claims. (Cl. 178—53.)



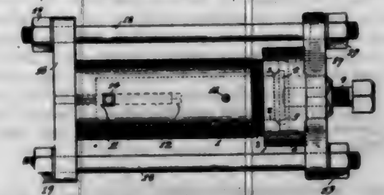
1. A printing telegraph system comprising a transmitting rotary distributor, a plurality of groups of conductive segments on said distributor, a plurality of groups of circuit controllers, one controller individual to each segment, means for impressing a signaling impulse upon each of said segments upon the operation of said circuit controllers, a receiving rotary distributor having a plurality of groups of segments, printing telegraph apparatus comprising a plurality of groups of selecting elements, means individual to each of said groups of segments on said receiving distributor and responsive to the selecting impulses transmitted through the operation of said circuit controllers as distributed by said receiving distributor, and distributor controlling means associated with each of said distributors for periodically stopping and starting them, the distributor controlling means individual to the receiving distributor being controlled by impulses received from said transmitting distributor, the distributor controlling means individual to said transmitting distributor being controlled independently of said receiving distributor.

1,533,172. BREATHING BAG FOR SELF-CONTAINED BREATHING APPARATUS. ALEXANDER BERNHARD DRÄGER, Lubeck, Germany. Filed Apr. 13, 1922. Serial No. 552,070. 6 Claims. (Cl. 128—191.)



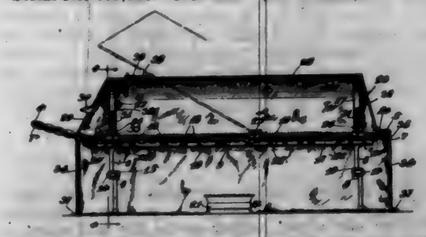
1. The combination of a breathing bag for self-contained breathing apparatus and means located exteriorly of the bag for automatically deflating the latter to expel its contents.

1,533,173. DISTILLATION APPARATUS. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Nov. 10, 1920. Serial No. 423,019. 1 Claim. (Cl. 220—3.)



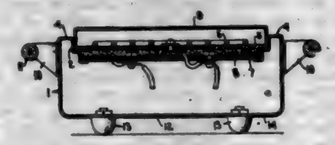
A closure for an open ended tubular distilling retort having a ground closure receiving seat at one end, comprising an elongated circular plug provided with a ground surface adapted to seal the open end of the retort, a circular casing capable of surrounding said plug provided with peripheral flanges threadedly engaging the outer wall of said retort, an adjustable head screw carried by said closure cap and engaging said plug at substantially its center for clamping the plug in pressure tight engagement with the retort, an end flange at one end of the retort, a second end flange recessed to engage with said closure cap, and adjustable screw threaded stay bolts for uniting said flanges and for holding them in operative position.

1,533,174. HOT-AIR AND VAPOR BATH DEVICE. JOHN ERDOSY, Philadelphia, Pa. Filed Dec. 10, 1923. Serial No. 679,845. 5 Claims. (Cl. 4—163.)



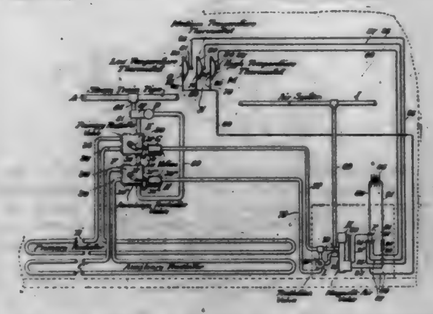
1. A bath device including a supporting frame; a bed supported by the frame; a baffle, supported by the frame, disposed under the bed; spacers between the bed and the baffle; a cover, supported by the frame, enclosing the upper part of the bed, and a casing, supported by the frame, enclosing the lower part of the bed.

1,533,175. ELECTRIC HEATING DEVICE. FRANK A. FAHRENWALD, Cleveland Heights, Ohio. Filed Apr. 6, 1922. Serial No. 550,150. 15 Claims. (Cl. 219—37.)



1. In an electric device, in combination, an electric resistance unit, an external shell disposed about said unit, supporting devices of small thermal conductivity supporting said unit from said shell, and convection provisions whereby the air currents generated by the unit may carry away all stray heat generated or conveyed inside the shell.

1,533,176. CAR-HEATING SYSTEM. HARRY G. GRIESINGER, Detroit, Mich., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Original application filed Sept. 9, 1918, Serial No. 253,323. Divided and this application filed May 1, 1922. Serial No. 557,534. 21 Claims. (Cl. 237—6.)



20. In a railway car heating system, the combination of a radiator comprising a primary unit, thermostatic means responsive to temperature changes in the car atmosphere for controlling the admission of heating medium to said unit, an auxiliary radiating unit subject to said thermostatic control, and means whereby the heating medium may be admitted to or shut off from the auxiliary radiating unit without affecting the thermostatic control of the primary unit.

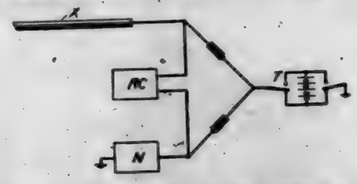
1,533,177. MULTIPLE VALVE. FRANK GENDRON, Detroit, Mich. Filed Feb. 18, 1924. Serial No. 693,541. 1 Claim. (Cl. 251—106.)



A mechanical regulating valve adapted for operation with several connecting intake pipes, comprising a valve casing having a conical valve chamber therein and having two or more intake pipes opening into the sides of said valve chamber and at right angles to the axis of said chamber, said intake openings being of the full size of the connecting intake pipes, and so spaced as to

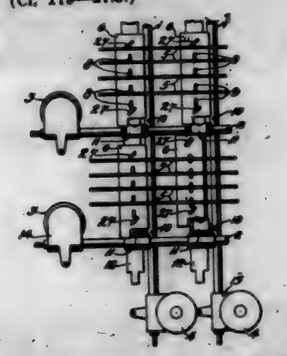
leave intervening valve wall sections between the pipe openings at least equal to the width of the pipe openings, a tapered valve plug fitting into and engaging the said conical valve casing chamber, an inner plug chamber within said valve plug and open at the bottom of said plug, means for continuing said plug valve chamber beyond the casing, two slotted valve ports through the walls of the valve plug opening into the inner plug chamber, said slotted ports being arranged parallel to the axis of said plug and having a width of opening less than half of the width of the intake pipe openings, said ports so positioned in the valve plug walls that two adjacent edges of the slotted valve ports are at the edges of the inlet pipe openings, and having the full valve ports open in the inlet opening, such as will allow for the varying or closing of either valve port without varying or closing the other port therein, and which on further rotation of the valve plug within the casing will close both ports, a valve cap atttached to said valve casing, a coil spring operating between said valve cap and the end of the valve plug for holding said valve plug firmly within the said valve chamber and a valve handle for rotating said plug valve therein.

1,533,178. ARTIFICIAL ELECTRIC LINE. JOHN J. GILBERT, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 19, 1922. Serial No. 562,064. 10 Claims. (Cl. 178—63.)



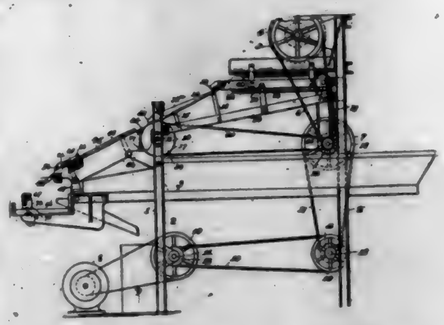
1. An electrical signaling network comprising a plurality of similar sections, each said section comprising a shunt reactive element and a resistive circuit inductively associated with the section, the effective resistance of said resistive circuits being in series relation in said network.

1,533,179. WIRE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1922. Serial No. 560,068. 9 Claims. (Cl. 179—27.5.)



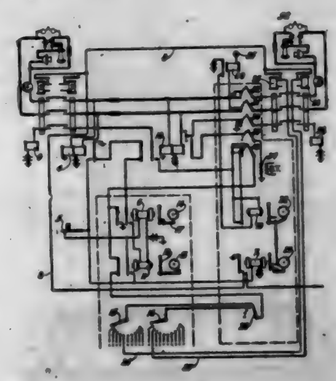
1. In a switching mechanism, a set of passive contacts, a plurality of sets of active contacts, a member common to said active contact sets for preparing them for selective operation, a plurality of members each associated with a corresponding one of said sets of active contacts for actuating the same, the means for individually moving said last-mentioned members longitudinally and laterally, effecting a wiping engagement between said passive contacts and one of said sets of active contacts.

1,533,180. MACHINE FOR COUNTING, ARRANGING, AND PACKAGING HAIRPINS OR LIKE ARTICLES. SOLOMON H. GOLDBERG, Chicago, Ill. Filed Feb. 10, 1919, Serial No. 276,000. Renewed Aug. 18, 1924. 8 Claims. (Cl. 163—8.)



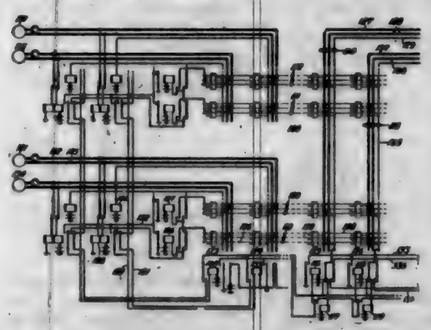
1. In a machine for handling hairpins or like articles, the combination with a rotatable receiver having apertures therein adapted to receive a plurality of such articles, separate the same, and deposit them singly on a feed mechanism, of an inclined corrugated plate for automatically dividing such articles and grouping the same, means for assembling and packaging each group of articles.

1,533,181. TELEPHONE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 8, 1920. Serial No. 408,973. 6 Claims. (Cl. 179—18.)



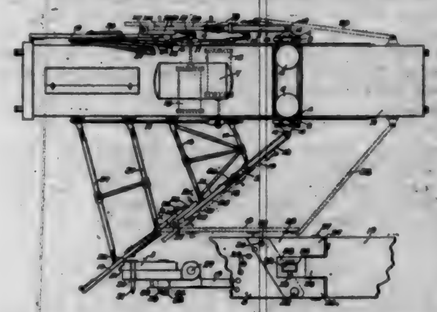
3. In a telephone system, a direction switch for marking the path of a call, comprising a wiper, propelling means for said wiper, holding means for said wiper, a circuit for said holding means controlled by said propelling means, and a circuit for said propelling means controlled directly by said holding means.

1,533,182. TELEPHONE-EXCHANGE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 26, 1922. Serial No. 577,504. 35 Claims. (Cl. 179—18.)



1. The combination in a unitary switching structure of outgoing lines arranged in groups, incoming lines each arranged for connection with any one of said outgoing lines, operating members, one for each of said groups, each member serving to cause the establishment of coexisting connections between said incoming lines and the outgoing lines of the corresponding group, means operated according to numerical designations for selectively actuating the operating member corresponding to a desired group, and means for choosing an available outgoing line in a group.

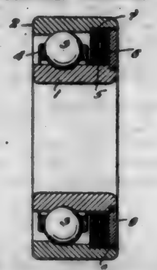
1,533,183. RAILROAD WAY CONSTRUCTION AND MAINTENANCE CAR. ALEXANDER L. GREENABAUM, Chicago, Ill., assignor to O. E. Jordan Company, East Chicago, Ind., a Corporation of Indiana. Filed Aug. 7, 1922. Serial No. 580,161. 6 Claims. (Cl. 37—105.)



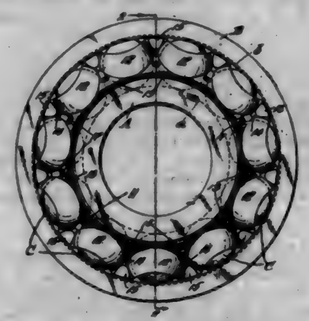
1. The improvements herein described comprising a car in combination with a side wing, an outer wing and means joining the outer and side wings, said means including a hinge structure secured to the rear side of the side wing, said outer wing being thereby disposed rearwardly of the forward face of the side wing, vertically and horizontally disposed pivots, and coacting means on said wings for locking the outer wing in a fixed position with respect to the side wing.

1,533,184. BEARING. FREDERICK W. GURNEY, Jamestown, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y., a Corporation of New York. Filed May 28, 1921. Serial No. 471,787. 9 Claims. (Cl. 64—36.)

1. In a bearing, the combination with inner and outer bearing rings, of a sealing member for one end of said bearing which is fixed to said inner bearing ring and extends outwardly therefrom, and a member which is fixed to said outer bearing ring and extends inwardly therefrom at the inner side of said sealing member, said members having opposing, relatively movable, substantially parallel, rigid faces separated by a narrow space which extends in a direction outwardly away from the axis of the bearing and leads at its outer portion to the exterior of the bearing, whereby said parts tend to cause any dirt in said space to work outwardly therefrom.

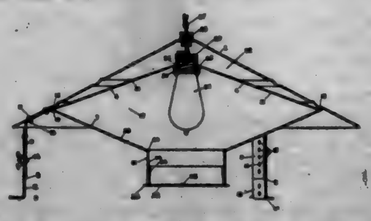


1,533,185. BALL-BEARING SEPARATOR. FREDERICK W. GURNEY, Jamestown, N. Y., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y., a Corporation of New York. Filed Oct. 29, 1921. Serial No. 511,482. 5 Claims. (Cl. 64—59.)



1. A ball separator for ball bearings comprising opposite metal rings formed with opposed portions forming ball confining pockets, and intervening webs connecting said pocket portions, and means consisting of interengaging integral parts of said rings for securing the rings together at their outer edge portions with their webs contacting faces to face, the inner edge portions of the rings being spaced apart and disconnected.

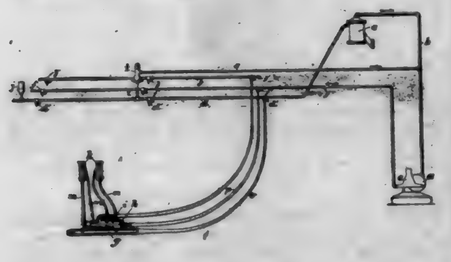
1,533,186. BROODER. HARVEY H. HALL, Elyria, Ohio. Filed Jan. 18, 1923. Serial No. 528,901. 2 Claims. (Cl. 119—33.)



1. In a brooder, in combination with an upper dome, a pair of superposed oppositely disposed dished discs mounted under the said dome, the upper of said discs

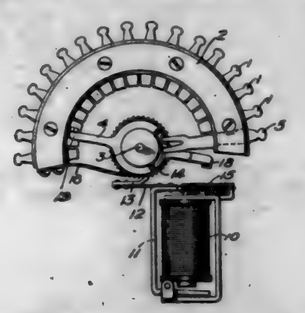
being an upright dome, a heating chamber being thereby provided between the discs, and means for supporting the said dome and discs on a floor, but out of contact thereof, the upper dome being more sharply arched than the said upper disc, said upper disc being secured at its periphery to the said upper dome to provide a dead air heat insulating space between the said upper dome and upper disc.

1,533,187. MILKING MACHINE. CYRUS HOWARD HARDOON, Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed May 29, 1924. Serial No. 716,548. 7 Claims. (Cl. 31—68.)



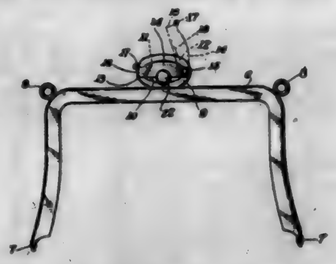
1. In a milking machine, in combination, a source of suction, a milk pipe line and a special vacuum pipe line connected with the source of suction, a milking unit comprising double chamber teat cups whose inner chambers are connectible with the milk pipe line and a pulsator valve adapted to connect the outer teat cup chambers alternately with pressure fluid and with said special vacuum pipe line, and means interposed between the outer teat cup chambers and the special vacuum pipe line to reduce the effective vacuum in the teat cups below that in the special vacuum pipe line and substantially proportionately to the reduction of the vacuum in the milk pipe line below that at the source of suction.

1,533,188. AUTOMATIC SWITCHING DEVICE. AUGUSTUS D. HARGAN, Bayonne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 8, 1921. Serial No. 506,315. 2 Claims. (Cl. 200—14.)



1. A stepping switch comprising a bank of passive contacts, a plurality of cooperating brushes, a corresponding plurality of feeder brushes secured in said bank for making continuous contact with said brushes throughout their travel, each said feeder brush being wider than said contacts at the point where it emerges from the said bank, whereby said brushes mount said feeder brushes at a different point in their travel than where they mount said contacts.

1,533,189. BAG FASTENER. WILLIAM C. HERRING, Newark, N. J., assignor to The J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed June 13, 1922. Serial No. 567,943. 4 Claims. (Cl. 292—89.)



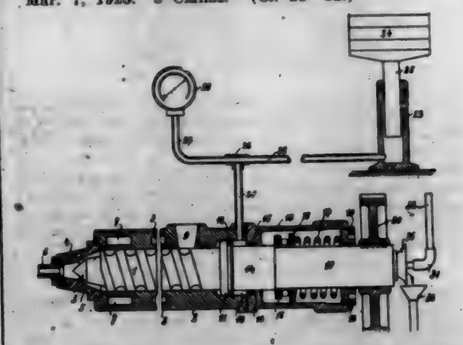
1. A fastener for hinged frame members comprising a rigid enterable element on one of said members, a yielding entering element on the mating member, said elements being adapted for interlocking engagement and a forked latch pivoted at the end to straddle said enterable element and adapted to retain the entering element therein.

1,533,190. EAR CLIP FOR EYEGLASSES. JOHN JIRASEK, Detroit, Mich. Filed Sept. 10, 1923. Serial No. 663,543. 3 Claims. (Cl. 88—52.)



1. An ear clip for eye glasses adapted to be attached to the ends of the retaining bows of the glasses, comprising a short ear stem, means for attaching same to the bow of the glasses, hooked means on the end of the stem for engaging the front fold in the top section of the ear of the wearer, and means for retaining said hook within the fold of the ear.

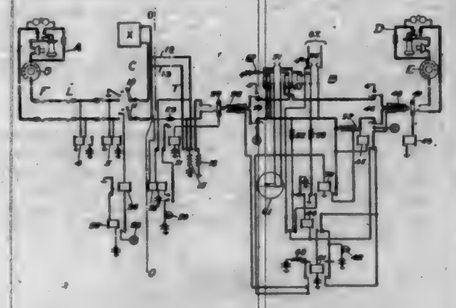
1,533,191. PRESS FOR PLASTIC MATERIALS. WILHELM KAISER and RUDOLPH GAEDELS, Hamburg, Germany, assignors to Adolf Bühr, Hamburg, Germany. Filed Apr. 27, 1923. Serial No. 634,946. Renewed Mar. 7, 1925. 3 Claims. (Cl. 18—12.)



1. A press for extruding plastic material, comprising a casing, and a feed screw rotatable therein characterized by the fact that the front end of the screw in conjunction with the feed screw casing is constructed to form

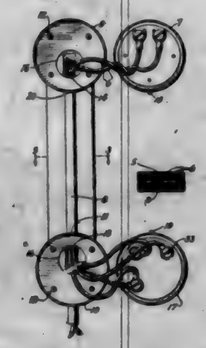
a valve mechanism, and that the feed screw forces the plastic mass out under the combined pressure of a pressure fluid and an adjustable pressure spring.

1,533,192. TELEPHONE-EXCHANGE SYSTEM. CHARLES W. ECKELS, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1919. Serial No. 343,003. 8 Claims. (Cl. 179—27.)



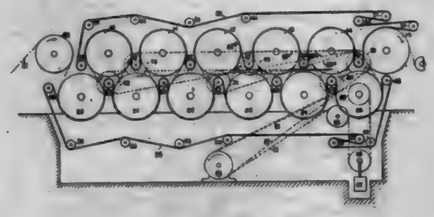
1. In a telephone exchange system, a manual switchboard, a trunk line including a pair of normally discontinuous talking conductors terminating thereat, an alternating current bridge normally connected to said talking conductors, a subscriber's line terminating at said switchboard, a link circuit for connecting said trunk line to said subscriber's line, a relay in said trunk circuit adapted upon energization to interrupt said alternating current bridge and establish the continuity of said talking conductors, means under the control of the operator for energising said relay, and means under the control of the subscriber for deenergising said relay.

1,533,193. TELEPHONE HAND SET. LE ROY W. KELSAY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 30, 1922. Serial No. 610,032. 6 Claims. (Cl. 179—103.)



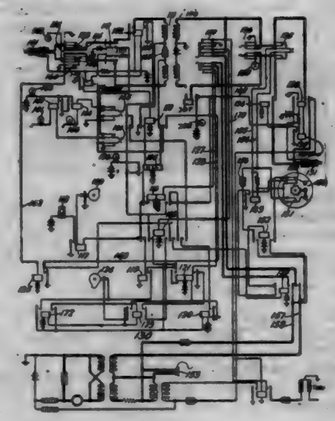
1. A telephone hand set comprising a receiver, a transmitter, a receptacle for said receiver, a receptacle for said transmitter, a handle of insulating material having a groove in the face thereof communicating with said receptacles, and a cover for said groove held in place by said receptacles

1,533,194. PAPER-MACHINE DRIVING MECHANISM. GEORGE D. KILBERRY, East Downington, Pa. Filed May 24, 1923. Serial No. 641,076. 5 Claims. (Cl. 34—48.)



2. In combination, a plurality of dryer rolls, a felt roll intermediate each pair of dryer rolls, rope drive means for driving certain of said felt rolls, each drive being communicated to said dryer rolls by the felt engaging the felt rolls and dryer rolls.

1,533,195. TESTING SYSTEM. ERIC R. LUNDIUS, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,933. 8 Claims. (Cl. 179—175.)

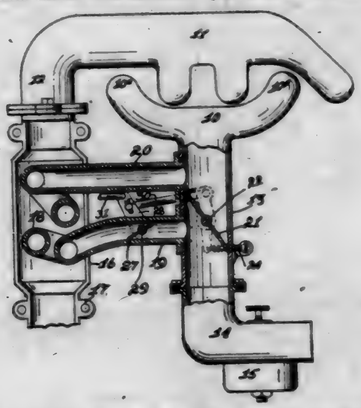


1. In a telephone exchange system, a cord circuit, a test set comprising a plurality of test circuits, a progressively operable switch for successively associating said cord circuit with said test circuits, and means for operating said switch to associate said cord circuit with any one of said test circuits.

1,533,196. CARBURETING DEVICE. HAROLD E. MCCRAY, Waterloo, Iowa, assignor to Waterloo Gasoline Engine Company, Waterloo, Iowa. Filed Sept. 6, 1921. Serial No. 499,002. 6 Claims. (Cl. 123—122.)

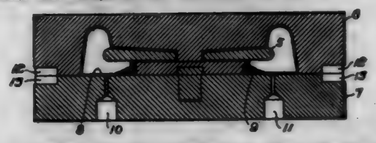
1. An apparatus for supplying fuel to the cylinder of an internal combustion engine, comprising a fuel supply passage having direct communication with the cylinder, an exhaust passage leading from said cylinder, a by-pass connected at its ends with said fuel supply passage at separated points, and intermediately passing through said exhaust passage, a main valve in said fuel supply passage between the points of connection therewith of said by-pass, for controlling the flow of gas through said supply passage, a valve in said by-pass for regulat-

ing the flow of gas therethrough, and means connected with said valves and operable to open or close said main



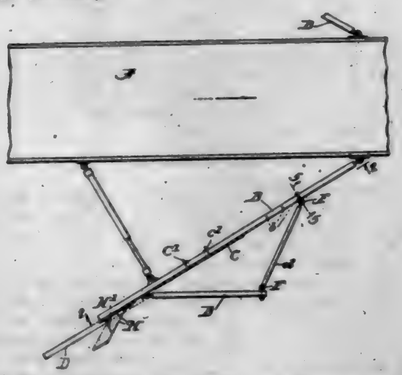
valve and to regulate the flow of gas through said by-pass while the flow of gas directly to the cylinder through said fuel supply passage is cut off.

1,533,197. MANUFACTURE OF SPONGE RUBBER ARTICLES. FRANK S. MALM, Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 621,751. 10 Claims. (Cl. 18—53.)



1. A process for the manufacture of a spongy rubber material, comprising mixing together rubber, a vulcanising agent, a gas producing substance, a volatile rubber solvent, an accelerator and then vulcanizing said composition.

1,533,198. RAILWAY DITCHER. ORVILLE C. MANN, Oak Park, Ill.; Emma I. Mann, executrix of said Orville C. Mann, deceased, assignor to O. F. Jordan Company, East Chicago, Ind., a Corporation of Indiana. Filed Oct. 15, 1921. Serial No. 507,971. 6 Claims. (Cl. 37—105.)



1. In combination with a car, a spreader wing operatively connected to one side of the car and normally extending rearwardly and laterally therefrom, a ditcher blade rigidly secured to the front face thereof at a point spaced from the outer end of said wing, a retaining wing pivoted to the front side of the spreader wing at a point proximate to the outer end of the ditcher blade, and detachable means for securing said retaining wing at a position extending forwardly from said spreader wing outside the path of the ditcher plate and substantially parallel with the side of the car.

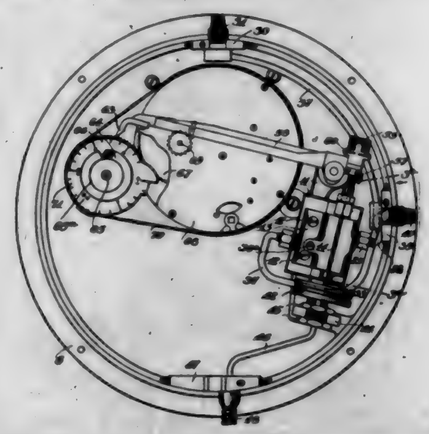
4. In combination with a car, a spreader wing pivotally connected thereto and normally extending rearwardly and laterally therefrom, a relatively short propeller plate hinged to the front side thereof near its outer end upon a pivotal axis inclined from the vertical so that said plate may be swung toward and away from the front face of the spreader wing, and means for securing it when extending upwardly outwardly and forwardly from said spreader wing.

1,533,199. AMMUNITION. HELMUTH PAUL MARTIN and OWEN DAVID LUCAS, Westminster, London, England, assignors to M. L. Experimental Limited, Westminster, England. Original application filed Sept. 3, 1920, Serial No. 408,056. Divided and this application filed Oct. 14, 1922. Serial No. 594,454. 7 Claims. (Cl. 102—19.)



6. For use in a cartridge, an electrically ignited primer comprising in combination a metal cap, a contact passing through the base of said cap, means for insulating said contact from the base, these means including a non-conducting washer arranged in contact with the inner surface of the base, a wire one part of which is electrically connected to said contact, and a device fitting in an annular recess in the base of said cap and holding another part of said wire in contact with said base, the portion of the wire between said parts being insulated from the base by said washer.

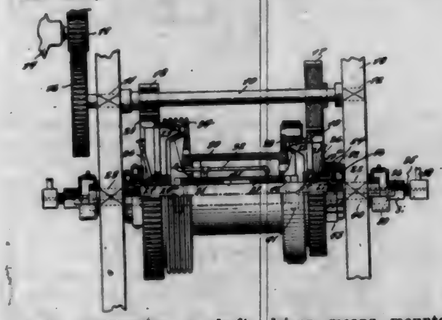
1,533,200. TIME-CONTROLLED REGULATING DEVICE. EDWARD S. MARSH, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed July 12, 1920. Serial No. 395,618. 10 Claims. (Cl. 236—46.)



1. In a regulating device, the combination with a fluid supply line and a valve controlling said line, of fluid pressure means for operating said line valve, governing means for said fluid pressure means comprising

inner and outer housings, each provided with inlet and outlet ports communicating with the corresponding ports of the other of said housings, said inner housing being movable in the outer housing and provided with a secondary valve set, a secondary valve in said inner housing cooperating with said seat to control communication between said inlet and outlet ports, connections from said fluid pressure means leading to the ports of said outer housing, pressure operated means responsive to conditions within a fluid container for moving one of said secondary valve parts, and time mechanism for moving the other of said secondary valve parts.

1,533,201. TWO-SPEED HOISTING MECHANISM. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,497. 3 Claims. (Cl. 254—187.)



1. In combination, a shaft, driven means mounted thereon and longitudinally movable thereof, a driving member loosely mounted on said shaft for driving said driven means, means for moving said driven means longitudinally of the shaft into engagement with said driving member, said driving member having a portion provided with two annular bearing surfaces at right angles to the axis of the shaft, and a member secured to the shaft but adjustable longitudinally thereof and provided with annular bearing surfaces engaging those of the driving member, the pair of bearing surfaces of one of said members facing each other and engaging therebetween the bearing surfaces of the other member, whereby movement of said driving member in either direction is prevented, and means for adjustably spacing the pair of bearing surfaces which face each other.

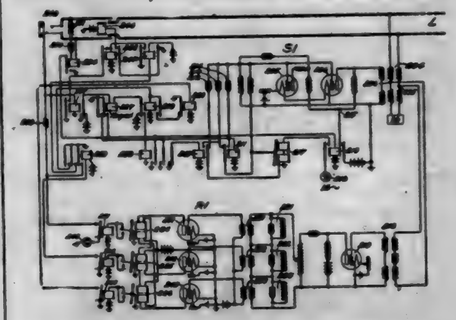
1,533,202. CENTRIFUGAL CASTING MACHINE. WILLIAM H. MILLSPAUGH, Sandusky, Ohio, assignor to Sandusky Foundry & Machine Co., Sandusky, Ohio, a Corporation of Ohio. Filed Jan. 27, 1923. Serial No. 615,222. 5 Claims. (Cl. 22—65.)



1. A centrifugal casting machine comprising a cylinder, a trough rotatably mounted therein and having a discharge opening therein, curved longitudinally from end to end.

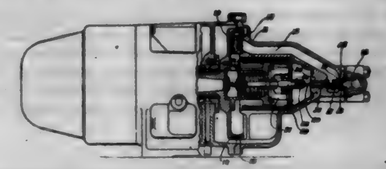
1,533,203. TELEPHONE-EXCHANGE SYSTEM. PAUL B. MURPHY, Nyack, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 5, 1921. Serial No. 458,712. 8 Claims. (Cl. 179—50.)

3. The method of signaling a called subscriber's station and of supervising the connection thereto over a transmission medium extending between two distant central telephone offices by the transmission and the



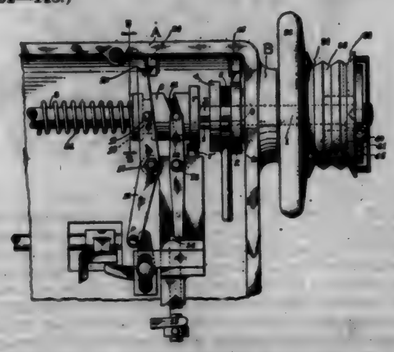
selective receiving of predetermined combinations of current impulses of different frequencies.

1,533,204. GOVERNOR-OPERATED VALVE MECHANISM. HUGH W. NEWBERO, Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 29, 1921. Serial No. 496,569. 5 Claims. (Cl. 137—140.)



1. In a prime mover, the combination of a ball valve for controlling the admission of motive fluid to the prime mover, said valve being moved in an opening direction by motive fluid pressure, speed-responsive means, a push rod for moving the valve in a closing direction, and a ball contact connection between the speed-responsive means and the push rod.

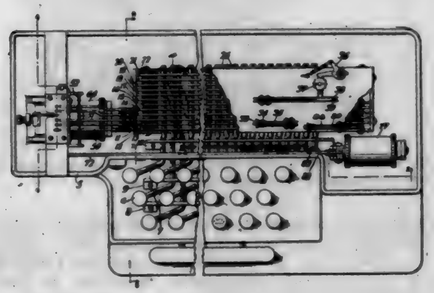
1,533,205. CLUTCH MECHANISM. DONALD NOBLE, Bridgeport, Conn., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Nov. 6, 1919. Serial No. 335,983. 8 Claims. (Cl. 192—143.)



1. In combination, driving and driven shafts, a clutch connection between said shafts, automatic means under the control of the operator for throwing said clutch

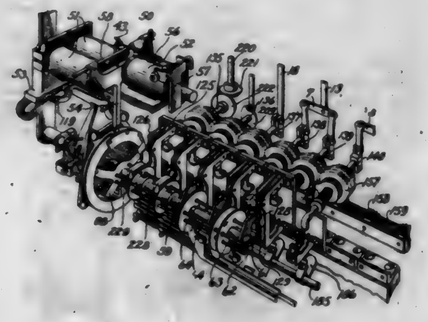
either into or out of action at will, and automatic means, independent of said first mentioned means and including a timing element on said driving shaft and connections for timing the throwing on of the clutch.

1,533,206. PRINTING TELEGRAPHY. HARRY PFANNENSTIEHL, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 21, 1920. Serial No. 397,902. 15 Claims. (Cl. 178—17.)



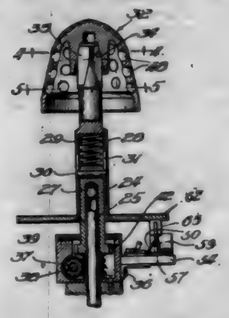
1. In a transmitter, the combination of a keyboard mechanism, character keys, operating levers therefor, a plurality of selecting bars arranged transversely of said operating levers, and means comprising mechanism connected with certain ones of said bars effective for preventing the simultaneous depression of two of said character keys.

1,533,207. PRINTING TELEGRAPHY. HARRY PFANNENSTIEHL, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,020. 19 Claims. (Cl. 178—27.)



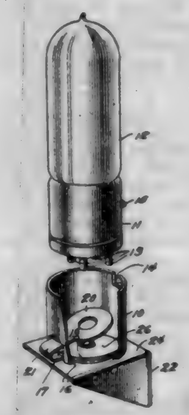
1. In a printing telegraph receiver, a traveling type carriage having a type carrying means movable therewith, means for selectively operating said type carrying means comprising a plurality of rotatable selecting members arranged to occupy either of two positions, means for retaining said members in their actuated position on subsequent selections until the character of the previous selection is changed, means responsive to selecting units for permitting the members to be positioned in predetermined combinations with respect to said retaining means, and means controlled by said selecting members for selectively operating said type carrying means.

1,533,208. FRUIT-JUICE EXTRACTOR. ARTHUR TODD-PURSELL, Chicago, Ill., assignor to Arnold Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed July 21, 1923. Serial No. 653,083. 24 Claims. (Cl. 146—3.)



20. In a fruit juice extractor, a resiliently supported juice extracting bit, an electrically operated motor for driving said bit, a circuit for said motor, a switch controlling said circuit, and means associated with said bit for operating said switch upon displacement of said bit.

1,533,209. VACUUM-TUBE HOLDER. JOHN W. RADU, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,404. 11 Claims. (Cl. 248—20.)

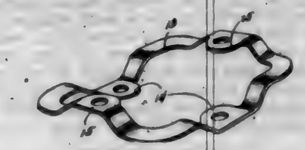


1. A holder for vacuum tubes comprising a cylindrical shell having a slot at one end, an inwardly projecting flange on said shell adjacent said slot, a member arranged in said shell, a resilient shank having a return bend extending from said member through said slot, and means for holding said member against said flange.

1,533,210. VACUUM-TUBE MOUNTING. JOHN W. RADU, New York, N. Y., assignor to Westinghouse Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1920. Serial No. 432,171. 4 Claims. (Cl. 248—30.)

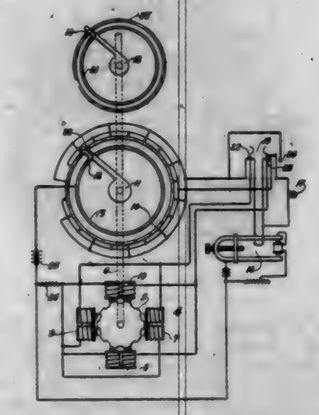
1. In a vacuum tube mounting, means for holding a vacuum tube and an endless resilient metallic ribbon, said

ribbon having projections extending alternately in opposite directions, said holding means being supported on



one pair of projections and another pair of said projections being adapted to rest on a support.

1,533,211. STARTING DEVICE. PAUL M. RAINEY, Glen Ridge, N. J., and GEORGE A. LOCKE, Maspeth, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1920. Serial No. 409,182. 5 Claims. (Cl. 172—229.)



1. The combination with a La Cour motor, having an armature and a plurality of magnets, a source of current, auxiliary means for connecting said source of current with said magnets for producing a torque sufficient to automatically start said motor, means for controlling the energization of said magnets at a uniform rate, and means controlled jointly by said motor and said last recited means for automatically indicating when a condition of synchronism exists between said motor and said last recited means.

1,533,212. GAS BURNER. JAMES H. REINHARDT, East Orange, N. J. Filed Apr. 23, 1921, Serial No. 463,772. Renewed Oct. 3, 1923. 2 Claims. (Cl. 158—105.)

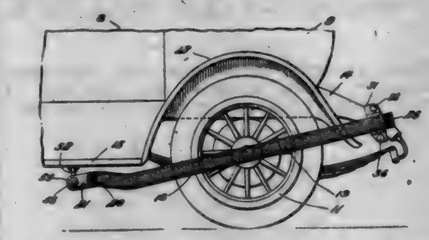


1. A gas burner comprising spaced members having fuel channels therebetween and fuel exit holes communicating with said channels, one of said members having an enlargement provided with a valve opening and passages providing communication between said opening and said channels, a valve in said opening having a bore and ports communicating therewith to deliver gas to said passages, and screws operative in said enlargement to independently control said passages.

1,533,213. CASTING SULPHUR. JAMES W. SCHWAB, Gulf, Tex., assignor to Texas Gulf Sulphur Company, Bay City, Tex., a Corporation of Texas. Filed Nov. 2, 1923. Serial No. 672,445. 3 Claims. (Cl. 18—58.)

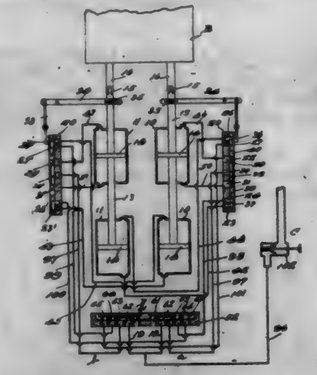
1. The improvement in casting sulphur which comprises subjecting molten sulphur to a preliminary treatment with an alkaline substance for modifying the properties of the sulphur so as to eliminate in large part its tendency to cling to the surface of a mold, and thereafter casting in molds the sulphur thus treated.

1,533,214. GUARD FOR AUTOMOBILES. SHEFFIELD SMITH, North Providence, R. I. Filed Dec. 19, 1924. Serial No. 756,928. 8 Claims. (Cl. 293—55.)



1. In combination with the chassis, wheel, and fender, of an automobile, a side guard comprising in one integral resilient structure an intermediate portion extending outside the wheel and fender, an inwardly directed forward portion detachably engaging the chassis at a point forward of the wheel and fender, and an inwardly directed arched portion pivotally secured to the chassis in the rear of the wheel and fender.

1,533,215. GEAR SHIFT. ELTON W. SPALDING, Durango, Colo. Filed Sept. 17, 1923, Serial No. 663,246. Renewed Nov. 26, 1924. 3 Claims. (Cl. 74—58.)



1. In a motor operated vehicle, a transmission gear shift mechanism adapted to be actuated by the suction created by the motor, said mechanism including spaced pairs of cylinders, connected pistons arranged to operate in each pair of cylinders, means whereby a suction is created in one end of each cylinder of the pair used, and the air admitted or exhausted from the other end of said cylinder to shift the gears, automatically operable valves for controlling the communication between the intake manifold and the respective pairs of cylinders, whereby one pair operate at a time, and means under the control of the clutch pedal for rendering the mechanism inoperative when the pedal is in its normal position.

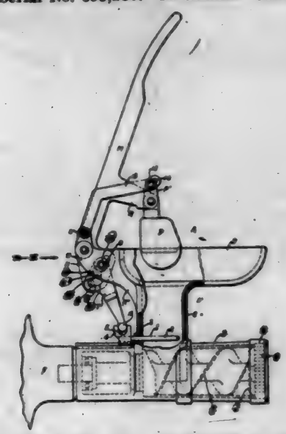
1,533,216. PROCESS OF MAKING FRICTION FACINGS AND PRODUCT. FREDERICK C. STANLEY, Bridgeport, Conn., assignor to Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 24, 1919, Serial No. 325,913. Renewed Oct. 28, 1921. Serial No. 511,103. 8 Claims. (Cl. 91—70.)

1. A process of making a friction facing, of mixing asbestos pulp with an oxidizing agent and with comminuted graphite, forming sheets therefrom, cutting friction facings from the sheets, saturating the facings with a binder oil and baking the friction facings.

3. A friction facing, the wearing surface of which consists essentially of unwoven asbestos fibre, a baked binder and graphite.

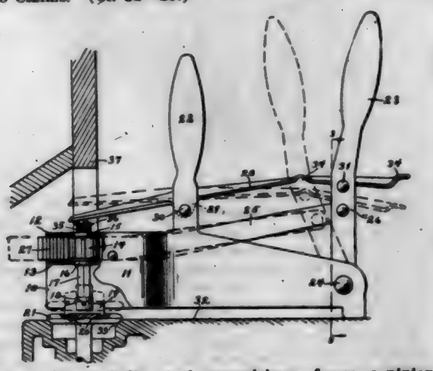
4. The process of making friction facings, consisting in incorporating with fibrous material a comminuted graphite, saturating the same in a binder and then baking the facing.

1,533,217. SAFETY DEVICE FOR FOOD CHOPPERS. JOSEPH C. STEINER, St. Louis, Mo. Filed Mar. 14, 1924. Serial No. 699,237. 18 Claims. (Cl. 146—182.)



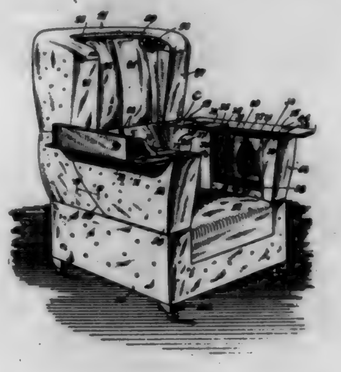
1. A safety device for a food-grinding machine having grinding mechanism, comprising a slidable guard adapted to be moved to a position adjacent to said grinding mechanism to prevent the hands of the operator from coming into contact with said grinding mechanism.

1,533,218. VALVE GRINDER. EDWARD L. STINN, Neola, Iowa. Filed Feb. 2, 1924. Serial No. 690,177. 3 Claims. (Cl. 51—29.)



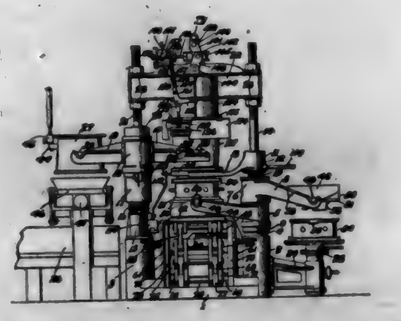
1. A valve grinding tool, comprising a frame, a pinion arranged for rotary oscillation in said frame, a shaft arranged for oscillation with and sliding movement relative to said pinion, a valve-engaging member carried by the inner end of said shaft, a lever fulcrumed in said frame, a rack bar arranged for reciprocation in said frame and having a rack in mesh with said pinion, said rack bar being pivotally connected to said lever, a rocking bar pivotally mounted in said frame and having one end engaging and adapted to exert pressure on the outer edge of said lever, said rocking bar extending across said lever and engaged thereby to hold it in contact with said shaft.

1,533,219. COMBINATION FURNITURE. PHILIP SUGERMAN, New York, N. Y. Filed Aug. 17, 1922. Serial No. 582,400. 6 Claims. (Cl. 155—124.)



1. A combination arm chair and typewriter desk, including a compartment within one of the arms of the chair, said arm including a cover slide for closing said compartment, a hinge rod within said compartment for normally supporting a typewriter with the base thereof substantially in a vertical plane, whereby after displacing said slidable cover said typewriter may be raised about the hinge rod as an axis, and said cover upon return to substantially closed position will constitute a support for said typewriter in horizontal or operative position.

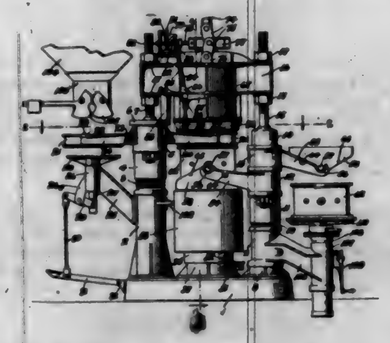
1,533,220. MOLDING APPARATUS. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Oct. 16, 1922. Serial No. 594,803. 22 Claims. (Cl. 22—25.)



1. In combination, a vertical support, a pattern and flask carrying member mounted to swing in a horizontal plane about said support, a table on to which said

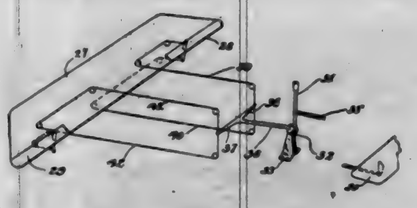
member with pattern and flask thereon is carried for filling the flask with sand, a second vertical support, a sand hopper mounted to swing in a horizontal plane about the second support to come over the flask, an air reservoir mounted directly over the table and under which the hopper comes, means for elevating the table to clamp the air reservoir, hopper and flask together, and means for momentarily releasing the air from the air reservoir to the hopper to drive the sand therefrom into the flask, substantially as described.

1,533,221. SAND-MOLDING APPARATUS. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Feb. 26, 1923. Serial No. 621,283. 9 Claims. (Cl. 22—36.)



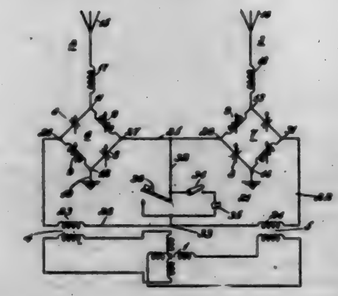
1. In an apparatus of the class described, a support, a movably mounted table on the support, an air reservoir located a distance over the table, a flask carrying member mounted for movement to and away from the table and adapted to carry a flask and pattern therein, a plurality of relatively shallow sand hoppers movably mounted to be moved in succession between the flask and the air reservoir, means normally closing the air reservoir at its lower end, and means for momentarily opening said reservoir at its lower end to project the sand from any hopper into the flask, a plurality of charges of sand from the hoppers being required to fill the flask.

1,533,222. CONTROL MECHANISM. DENNIS F. CASHMAN, Dayton, Ohio. Filed Aug. 7, 1923. Serial No. 656,204. 1 Claim. (Cl. 244—29.)



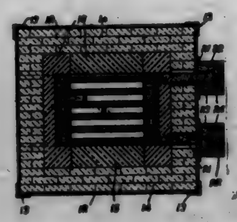
In an aircraft having a horizontal rudder, a main sustaining surface and a plurality of movable wing flaps therefor, a control device for controlling the wing flaps and horizontal rudder, comprising a stick control lever, a support for said lever, permitting rocking of said lever about a plurality of axes extending longitudinally and transversely of said aircraft, a rearward projection on said lever attached to said horizontal rudder, a longitudinally extending projection extending from said lever substantially coincident with said longitudinally extending axis, a lateral projection extending from the end of said longitudinally extending projection, a plurality of connections attached to said wing flaps, said connections being attached directly to said lateral projections so that said wing flaps may move in reverse directions relatively when the lever is rocked about the longitudinal axis and so that the wing flaps are moved together in the same direction while the horizontal rudder is moved simultaneously in a direction opposite to the movement of the wing flaps, when said lever is moved about said lateral axis.

1,533,223. SYSTEM OF CONTROL. LEWIS WARRINGTON CHUBB, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1921. Serial No. 481,534. 17 Claims. (Cl. 250—17.)



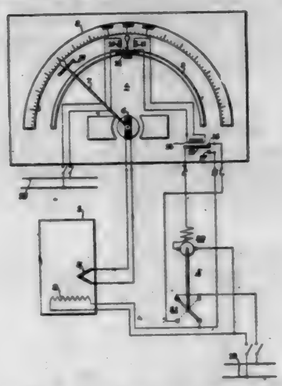
3. In a wireless transmission system, the combination with a plurality of adjacently disposed antenna systems, each system including a phase-splitting device, and means associated with said phase-splitting devices whereby the phase relation of currents in said antenna systems may be selectively controlled.

1,533,224. ELECTRIC RESISTANCE FURNACE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 10, 1922. Serial No. 542,609. 5 Claims. (Cl. 204—64.)



2. In an electric-resistance furnace, in combination, a plurality of refractory walls surrounding a furnace chamber, a plurality of elongated refractory resistor members located in spaced-apart parallel relation, and a plurality of refractory conducting blocks, each extending laterally of said resistor members and operatively supporting the ends of two adjacent resistor members and maintained in close operative engagement therewith by a superposed portion of said furnace structure.

1,533,225. TEMPERATURE REGULATOR. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1922. Serial No. 567,445. 16 Claims. (Cl. 204—64.)



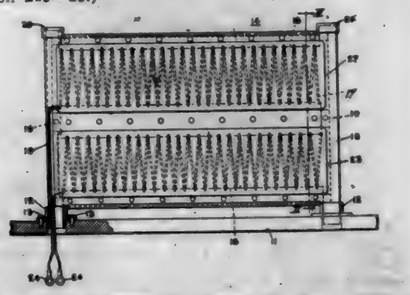
5. A temperature indicating and controlling device comprising a movable indicating member, two coils magnetically related and means controlled by the indicating member for controlling the degree of such magnetic relation.

1,533,226. STREET-CAR HEATER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 4, 1922. Serial No. 592,293. 3 Claims. (Cl. 219—19.)



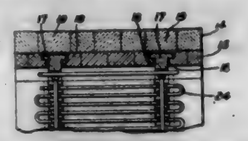
1. In an electric heater, in combination, a metal frame having a relatively large surface area and a plurality of chambers therein, each chamber having one open end, a plurality of removable heating elements in said chambers, and a terminal box adjacent the open ends of said chambers.

1,533,227. STREET-CAR HEATER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 6, 1922. Serial No. 592,745. 5 Claims. (Cl. 219—19.)



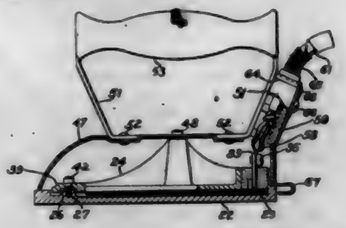
1. In an electrical air heater, in combination, a plurality of thin, flat electric-insulating supporting members, a resistor wound on said supporting members, a pair of relatively thin metal cover plates each having a plurality of depressions therein and located in abutting face-to-face relation, means for holding said supporting members between said metal plates and for holding said metal plates in said abutting, face-to-face relation, and embodying means on each of said plates for interlocking the same.

1,533,228. ELECTRIC FURNACE RESISTOR SUPPORT. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1922. Serial No. 596,551. 6 Claims. (Cl. 204—64.)



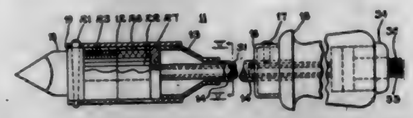
1. A resistor-supporting means comprising a refractory electric-insulating member, of substantially T-shape in cross-section and having a plurality of spaced-apart slots in the outer edge thereof, and a refractory key member having a longitudinally extending dovetail connection with said member of T-shape.

1,533,229. ELECTRIC FLATIRON. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 24, 1922. Serial No. 596,552. 6 Claims. (Cl. 219—25.)



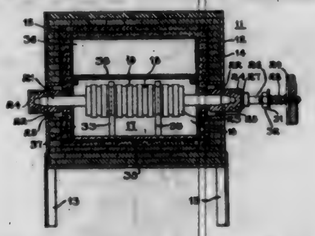
1. In an electric flat iron, in combination, a base plate, a heating element thereon, a refractory insulating block on said heating element having a plurality of openings extending therethrough, a plurality of terminal members for said heating element extending through said openings, and a top plate for clamping said heating element against said base plate and for holding said insulating block in its proper operative position.

1,533,230. ELECTRIC SOLDERING IRON. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 3, 1922. Serial No. 598,748. 6 Claims. (Cl. 219—26.)



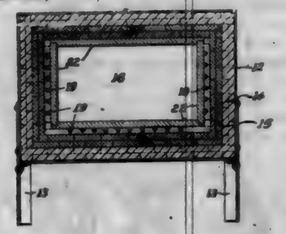
1. In a soldering iron, in combination, a tubular casing, a tubular refractory resistor-supporting member in said casing having a plurality of longitudinally extending undercut grooves in its inner surface, a resistor member in said grooves, a soldering bit fitting closely within said casing at one end thereof, and having a longitudinally extending integral heat-receiving portion located in said refractory member and a taper pin extending through said casing and said soldering bit.

1,533,231. ELECTRIC-FURNACE RESISTOR. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,507. 3 Claims. (Cl. 204—64.)



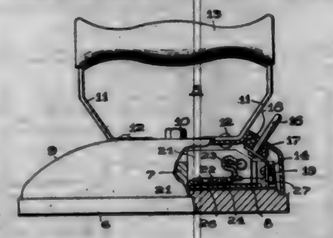
2. In an electric furnace, in combination, a resistor comprising a plurality of refractory electrical-conducting bars, alternately of rectangular and of I-beam section, interfitting and supporting each other, and a plurality of spaced thin refractory plates operatively engaging certain of said bars to support said resistor.

1,533,232. ELECTRIC FURNACE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,508. 7 Claims. (Cl. 204—64.)



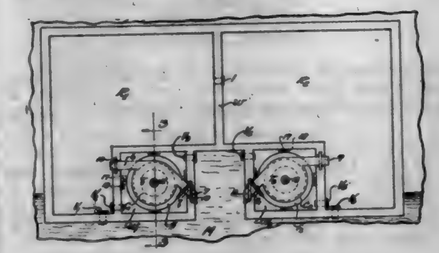
1. In an electric furnace, in combination, a plurality of refractory walls enclosing a furnace chamber and having a plurality of spaced recesses therein, cleats in said recesses having a surface extending into said chamber provided with a plurality of laterally extending grooves therein and a resistor member extending through said grooves and between said cleats.

1,533,233. AUTOMATIC CUT-OUT FOR ELECTRIC IRONS. LESLIE N. CRICHTON, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 23, 1921. Serial No. 502,631. 4 Claims. (Cl. 219—25.)



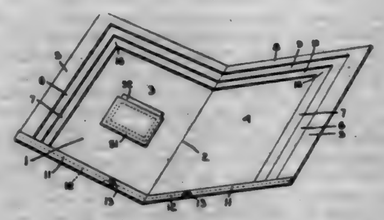
1. In an electrically heated portable device, the combination with a heating element, of a circuit controller comprising a column of a volatilizable conducting fluid connected in series-circuit and heat-receiving relation to said heating element for interrupting the circuit therethrough when said fluid column is volatilized by the heat of said heating element and for permitting the reestablishing of the circuit therethrough by tilting the device through an angle of substantially 90°.

1,533,234. TIDEWATER POWER PLANT. DOMENICO DAMIANO, Boston, Mass., assignor to Damiano Tide and Stream Water Power Company, Boston, Mass., a Voluntary Organization. Filed Nov. 9, 1922. Serial No. 599,865. 2 Claims. (Cl. 61—20.)



1. A tide water power plant comprising a plurality of reservoirs, a well associated with each of said reservoirs, means controlling communications between each well and its companion reservoir, a float controlled motor in each well, means for actuating one of said motors during the rise of the tide, means for actuating one of said motors during the fall of the tide, and means for actuating said first mentioned motor subsequent to the actuations of said second mentioned motor during the fall of the tide, both of said reservoirs being filled and emptied by water flowing through said turbines during the actuation thereof.

1,533,235. MUSIC HOLDER. ELI DAVIDSON, Chelsea, Mass. Filed Feb. 10, 1921, Serial No. 444,009. Renewed Dec. 5, 1924. 3 Claims. (Cl. 129—20.)

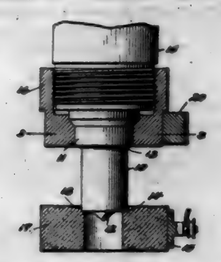


2. A holder for sheet music comprising a body member and a plurality of holding flaps on the side and top edges, situated at different distances from the edge whereby the holder will accommodate sheet music of different sizes, and a hinge flap at the bottom edge under which the covers of the sheet music may be received.

1,533,236. PROCESS OF LOCALLY HEAT-TREATING HARDENED-STEEL ARTICLES. THOMAS C. DAWSON, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Dec. 9, 1921. Serial No. 521,198. 9 Claims. (Cl. 148—10.)

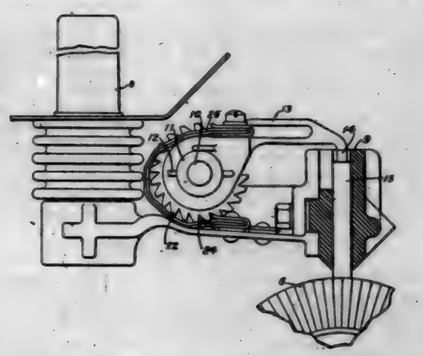
1. A process of drawing the temper from a part of a hardened steel article which consists in bringing such part of the article and an electrode into contact, causing

relative movement between the article and electrode while continuously in contact, passing a current through



the electrode and article while the same are moved relative to each other, whereby said part of the article is heated to the desired temperature, and cooling the article.

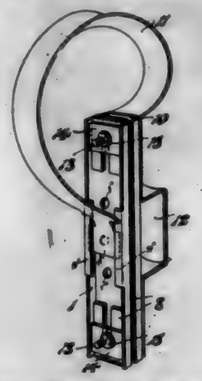
1,533,237. BRUSH HOLDER. JOHN V. DOBSON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 19, 1924. Serial No. 726,911. 3 Claims. (Cl. 171—324.)



1. A brush holder for electrical machines comprising a brush-holder frame having a brush box and a removably mounted shaft, a laterally extending pressure finger extending over the brush box and adapted to engage the top of the brush, said pressure finger having an enlarged hub portion journaled on said shaft, said hub portion having an annular recess open at one end, a helical spring mounted in said recess and having its inner end detachably secured therein, a ratchet wheel freely mounted on said shaft adjacent the open end of said annular recess, means for detachably securing the other end of said spring to said ratchet wheel, and a pawl carried by the brush-holder frame for engaging said ratchet wheel.

1,533,238. MEANS FOR CLEARING GLASS WINDSCREENS AND THE LIKE. GEORGE HAROLD EATON, Sheffield, England, assignor of one-half to Herbert Terry & Sons, Limited, Redditch, Worcestershire, England. Filed Apr. 1, 1924. Serial No. 706,443. 1 Claim. (Cl. 15—252.)

In a device for clearing the windscreens of vehicles, the combination of a straight holder of substantially U cross-section, a plurality of longitudinal cleaning strips arranged in and extending across the channel of said holder, superimposed in substantially flat formation to constitute an outer wiper and having their opposite ends infolded over the ends of the holder and lying between the forwardly upstanding parallel limbs of the holder, clamping means mounted at opposite ends of the holder and operative between said forwardly upstanding limbs to clamp said infolded ends of the strips to the holder, a back support of channel formation having its channel presented to said outer wiper, an inner wiper arranged in the channel of said back support to engage with the inner surface of the windscreen, a handle on the back of said back support, and a flexible spring arranged to straddle the windscreen and having one end attached to the upper end of the back support and the other end attached to the said holder at a point intermediate the ends thereof to press the outer wiper against the windscreen and cause it to move uniformly with the inner wiper.

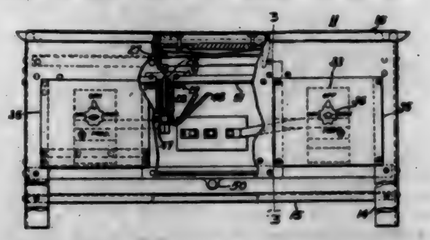


1,533,239. ORNAMENTAL ARC WELDING. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 8, 1920. Serial No. 408,911. 4 Claims. (Cl. 219—8.)



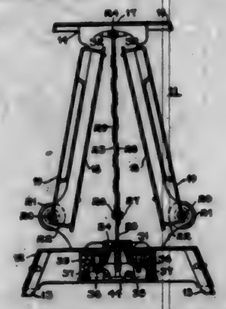
1. A method of depositing metal which comprises establishing an arc between a fusible metal electrode and a metal base having a sufficiently high thermal conductivity and capacity to prevent surface fusion of said base.

1,533,240. HOT TABLE. FRANK F. FORSHEE, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Oct. 2, 1922. Serial No. 591,763. 5 Claims. (Cl. 219—19.)



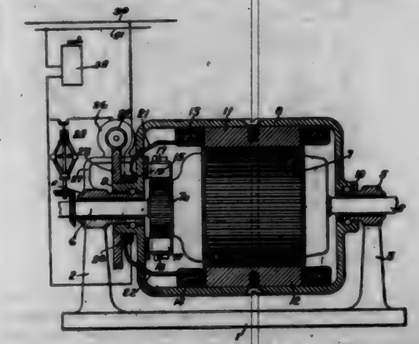
1. In an electrically-heated hot table, in combination, a supporting frame, a plurality of heating elements located in side-by-side relation in and supported by said frame, depending contact terminals on each of said heating elements, a plurality of electric-circuit terminals for operatively engaging said contact terminals supported by said frame, and a cooking surface removably located on and supported by said frame.

1,533,241. TOASTER-HEATING UNIT. FRANK F. FORSHEE, Flint, Mich., assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Oct. 4, 1922. Serial No. 592,244. 8 Claims. (Cl. 219—19.)



1. In an electrically heated toaster, in combination, a base plate, a top plate having a longitudinally extending opening therethrough, a frame for connecting said base and said top plate, a resilient electric circuit terminal operatively supported by said base plate, and a heating element insertible into and removable from its proper operative position relatively to said terminal through said opening in said top plate.

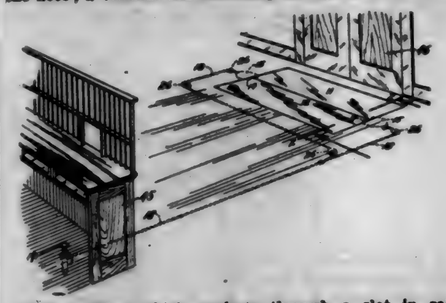
1,533,242. METHOD AND APPARATUS FOR PREVENTING ARMATURE-COIL HEATING. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 8, 1919. Serial No. 316,089. 11 Claims. (Cl. 172—36.)



1. In a dynamo-electric machine, a normally rotatable torque-producing member, a normally stationary member, and means actuated in accordance with the starting conditions of said machine for moving the normally stationary member.

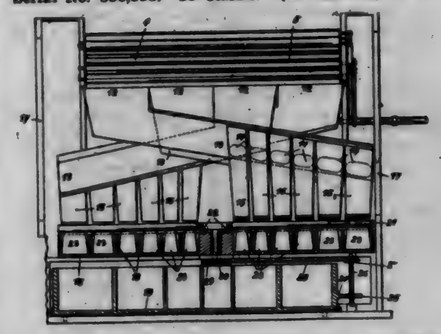
1,533,243. BANDIT TRAP. ELIA GALTERIO, Denver, Colo. Filed Mar. 17, 1924. Serial No. 699,774. 3 Claims. (Cl. 49—50.)

1. In a trap, comprising a pair of hinged trap-doors and slidable, spring-returned, latch bolts for releasing said doors, means for operating said latch bolts comprising a tube arranged to be placed in and extend below the floor; a vertical rod extending through said tube and



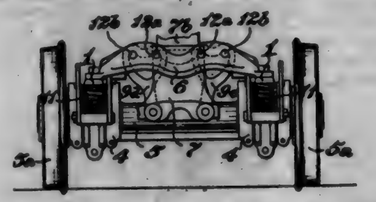
carrying a lug which projects through a slot in said tube; a spring compressed between said lug and the bottom of said tube and a connection between said lug and said latch bolts.

1,533,244. COIN-ASSORTING APPARATUS. ARMAND GODEFROID, Berlin, Germany. Filed Jan. 14, 1924. Serial No. 686,198. 13 Claims. (Cl. 133—8.)



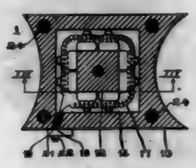
2. In a coin assorting apparatus, the combination, with a plurality of coin assorting devices each adapted to assort different coins supplied thereto, said assorting devices being so disposed as to cross each other, of means common to all of said assorting devices for supplying coins thereto.

1,533,245. TRUCK FOR RAILROAD ROLLING STOCK. ROBERT F. HALL, Schenectady, N. Y. Filed Mar. 10, 1924. Serial No. 698,172. 6 Claims. (Cl. 105—189.)



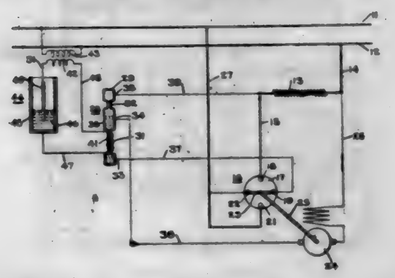
2. In a railroad truck, the combination of a frame; a bolster, adapted to traverse laterally relatively thereto; and swing hanger links, supporting said bolster, and provided with two upper bearings and one lower bearing, the upper bearings being disposed at unequal distances from the lower bearing, in a line which is inclined relatively to a vertical line through the lower bearing which is intermediate the upper bearings when the link is in its middle position.

1,533,246. COMMUTATOR SOLDERING IRON. HOWARD A. HANDS, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1922. Serial No. 588,559. 5 Claims. (Cl. 219—26.)



1. A soldering iron comprising a central metal core, a metal casing spaced from and surrounding said central core and having a convex soldering face on its outer surface, a plurality of relatively narrow, elongated, grooved refractory resistor-supporting members located adjacent to said central core, and a resistor member located in said resistor-supporting members.

1,533,247. ELECTRIC HEATING SYSTEM. HOWARD A. HANDS, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,849. 11 Claims. (Cl. 219—20.)



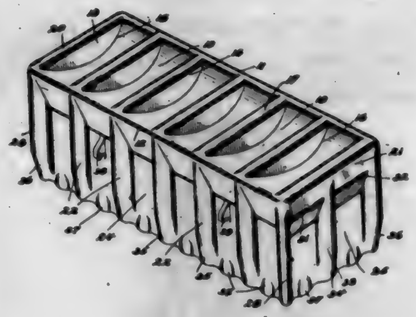
1. In a temperature-control system, in combination, a heating element, a motor-operated switch for controlling the energization of said heating element, a fluid circuit-interrupter for controlling the operation of said motor, and a closed-circuit variable-resistance means for controlling said fluid circuit-controller.

1,533,248. PRISMATIC TELESCOPE. EWALD HARWIX, Berlin-Steglitz, Germany. Filed July 22, 1921. Serial No. 486,850. 2 Claims. (Cl. 88—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



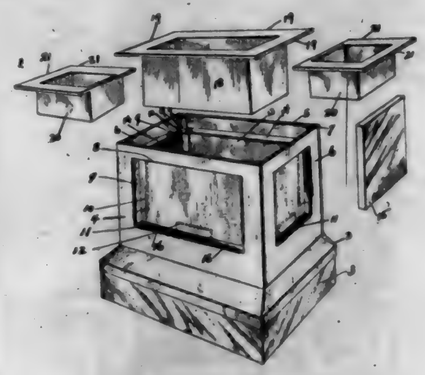
1. In a prismatic telescope two complementary integral, self-sustaining units each consisting of a sustaining body and a sustained prism, the prism being embedded in the body, the assembled units being set opposite one another and each unit being disposed wholly on the remote side of the plane in which the exposed prism surface extends.

1,533,249. ANNEALING BOX. HOWARD H. HUMMEL, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed July 27, 1921. Serial No. 487,916. 23 Claims. (Cl. 263—49.)



1. An annealing box of integral cast metal rectangular in form, having a series of corrugations in its sides and ends with outer transversely curved margins extending downward from and in substantially the same vertical plane as the outer straight margins of the corrugations forming the edges of the top, the portions of the walls between adjacent corrugations extending inwardly of the box at an angle from top edge and from the outer margins of the corrugations.

1,533,250. MONUMENT. CYRUS W. HUTCHINS, Kearney, Nebr. Filed Mar. 13, 1923. Serial No. 624,813. 2 Claims. (Cl. 189—21.2.)

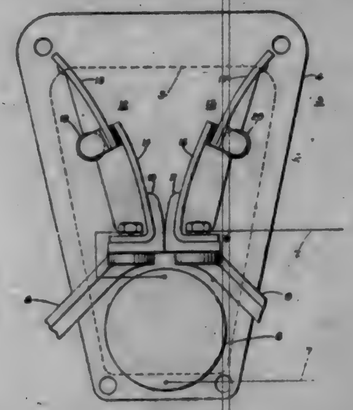


1. A monument having a body portion comprising a plurality of metal plates secured together and each constructed with an open-top pocket, slabs supported in the pockets, and an ornamental cover extending over the tops of the pockets and constituting a removable top for the monument.

1,533,251. ELECTRIC SWITCH. HOWARD H. JOHNSTON, Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 5, 1922. Serial No. 566,005. 5 Claims. (Cl. 200—147.)

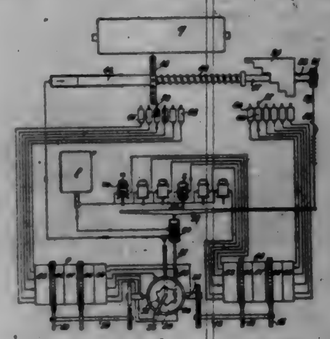
1. The combination with a pair of relatively movable electrical conductors, of a pair of arc horns, each of

which is composed of two sections that are insulated from each other, of blowout means adjacent to the



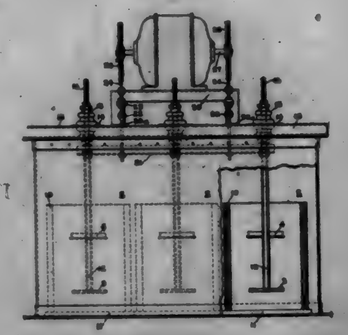
point of formation of arcs across the horns and auxiliary magnetic blowout coils in series with the upper sections of the said horns.

1,533,252. CODING AND DECODING MACHINE. HUGO ALEXANDER KOCH, The Hague, Netherlands, assignor to Naamloose Vennootschap Ingenieursbureau "Securitas," Amsterdam, Netherlands, a Company of The Netherlands. Filed Sept. 18, 1920. Serial No. 411,229. 11 Claims. (Cl. 35—18.)



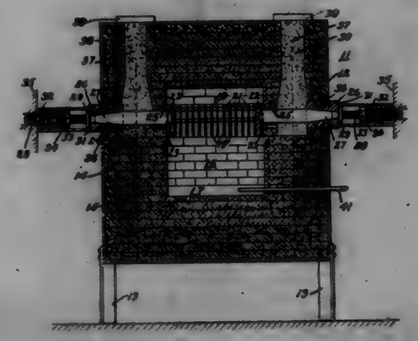
1. A coding and decoding machine comprising in combination a transmitter and a receiver, an energy transmission path between the transmitter and the receiver, fixed discs on one side taking up the energy paths from the transmitter, and having transfer places for the energy at the other side arranged in a circle, rotatable discs adjacent to the fixed discs having transfer places for the energy on both sides, arranged in a circle of the same radius as with the fixed disc, the transfer places on one side being in contact with the transfer places of the fixed disc, irregular inter-connections for the energy, connecting the transfer places of the two sides of the rotatable discs in the interior of the same, a fixed disc at the other side of the rotatable discs, having transfer places in contact with the transfer places of the last rotatable disc and leading the energy to the receiver, and means for rotating the rotatable discs successively.

1,533,253. SLIP REGULATOR. HARRY A. LEWIS, Norristown, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 28, 1922. Serial No. 584,643. 87 Claims. (Cl. 219—57.)



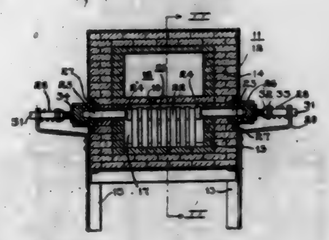
1. A liquid rheostat embodying a movable electrode and a co-operating stationary electrode comprising a working member located opposite said movable electrode and a plurality of supporting members disposed on opposite sides of the movable electrode.

1,533,254. ELECTRIC-FURNACE RESISTOR. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 25, 1922. Serial No. 531,528. 2 Claims. (Cl. 204—64.)



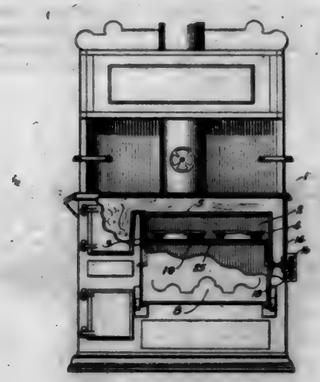
1. An electric furnace comprising a plurality of relatively thin, flat, carbonaceous plates, and a plurality of relatively short carbonaceous members, of skeleton form in lateral cross-section, located in spaced relation between the flat faces of said plates, and means for producing a sooty vapor in said furnace, said plates embodying means for reducing the deposit of soot on said members of skeleton form.

1,533,255. ELECTRIC FURNACE. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 1, 1922. Serial No. 598,318. 6 Claims. (Cl. 204—64.)



2. An electric furnace resistor comprising a plurality of relatively thin, flat, refractory plates, a plurality of current-conducting spacing members of relatively small area alternating with said flat plates and located adjacent the top portion thereof.

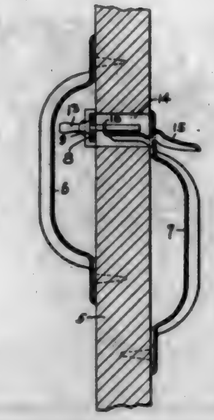
1,533,256. ADJUSTABLE SHELF FOR OVENS. PHILIP MCCAUL, Tacoma, Wash. Filed Apr. 19, 1924. Serial No. 707,629. 5 Claims. (Cl. 126—337.)



1. In an oven, a pair of crank shafts mounted in parallel relation within the oven, a shelf supported horizontally on the throws of the said crank shafts, gear wheels fixed to the ends of the shafts, an adjusting shaft operable from outside the oven, worm gears fixed to the latter shaft in mesh with the first named gears and means for rotating the adjusting shaft.

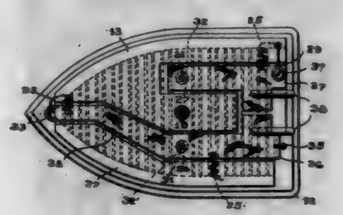
1,533,257. DOOR LATCH. ROBERT L. MCKINNEY, Pittsburgh, Pa. Filed June 21, 1924. Serial No. 721,536. 4 Claims. (Cl. 292—236.)

1. Door latching mechanism comprising a thumb-lever pivotally supported adjacent to the front of the door and extending rearwardly, a latch pivotally supported at the rear side of the door, and a pin carried by the latch and extending forwardly of the door, the said pin and



thumb-lever having telescopic engagement and being of such length that their adjacent ends do not protrude at the sides of the door.

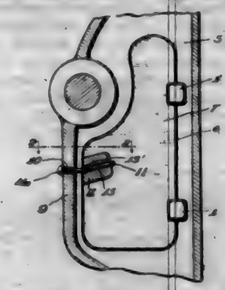
1,533,258. ELECTRIC IRON. ALLIS M. MACFARLAND, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1922. Serial No. 545,979. 2 Claims. (Cl. 219—25.)



1. In an electric iron, in combination, a sole plate, a cover member therefor, a radiant-type heating element comprising a refractory heat-insulating resistor-support, a resistor, and a pair of terminal members removably secured to said refractory support, said terminal members projecting outwardly through an aperture in said cover member, a handle, handle supporting straps having one end secured to said cover member and a guard for said projecting terminal members integral with one of said handle straps.

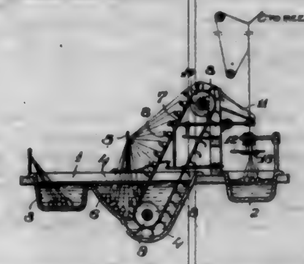
1,533,259. CLOSURE FASTENER. JOSEPH MALICKI, Chicago, Ill., assignor to Walter B. Templeton, Chicago, Ill. Filed May 3, 1923. Serial No. 636,348. 3 Claims. (Cl. 74—8.)

1. The combination with a member formed with an opening and a hole therein adjacent to the margin of said opening, of a closure fitted to said opening and itself formed with a hole registering with the hole in said member and disposed at an angle to the latter, and a



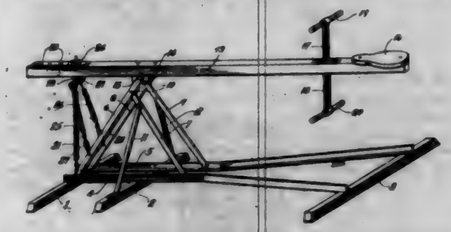
straight fastening pin driven through said holes and thereby bent into self-locking engagement with the latter.

1,533,260. AUTOMATIC FILAMENT SUPPLIER. RYOICHI NAITO and HIDETARO NIWA, Kobe, Japan, assignors to Kanegafuchi Boseki Kabushiki Kwaisha, Tokyo-fu, Japan. Filed Apr. 18, 1923. Serial No. 632,998. 3 Claims. (Cl. 19—3.)



1. In combination, means for elevating cocoons one by one, a filament supplier, a pivoted lever, means on said lever for engaging the strand produced by the filament supplier and actuated according to the degree of friction exerted thereon by said strand, means for driving the cocoon elevating means, electro-magnetically controlled means for clutching the driving means with the elevating means, an electric circuit including the electro-magnetically controlled means, and a circuit controller interposed in said circuit and actuated by said lever.

1,533,261. TEETER-TOTTER. LEON G. PATTISON and THOMAS G. PATTISON, Everett, Wash. Filed Feb. 26, 1923. Serial No. 621,426. 1 Claim. (Cl. 272—55.)

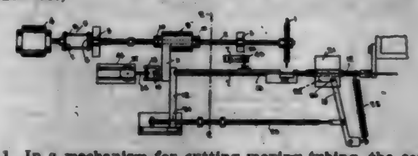


A teeter totter device comprising a series of transverse base beams, a pair of longitudinal beams secured upon the base beams, a frame work mounted upon the longitudinal beams and a pivot pin supported by said frame, a teeter beam supported from between its ends upon said pivot pin, a seat mounted at one end of the beam and springs connected with the other end of the beam; said beam having a plurality of holes vertically therethrough in spaced relation longitudinally of the beam at the end opposite the seat, a bolt adapted to be extended through any of said openings, a plate fixed to the lower end of the bolt, an adjusting nut threaded onto the upper end of the bolt, a spring secured at one end to the lower end of the bolt and at its opposite end to the frame directly below the beam and a pair of springs secured at their upper ends to the plate at opposite sides of the bolt and extending downwardly in diverging relation and secured at their lower ends to the frame.

1,533,262. PROCESS OF MAKING IRON AND STEEL DIRECT. SAMUEL PEACOCK, Wheeling, W. Va. Filed Dec. 6, 1922. Serial No. 605,286. 4 Claims. (Cl. 75—14.)

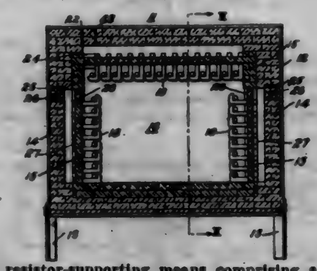
1. The process of making steel direct from the ore, which consists in charging a blast furnace with the usual steel making materials containing a sufficient quantity of lime and an alkali metal chloride to make a free running slag at 2400° F.; smelting the charge thus produced in the usual manner at temperatures below 2700° F. to pass off the sulphur present in a gaseous form; and recovering the metal and slag produced.

1,533,263. TUBE-SEVERING APPARATUS. WILLIAM S. PRITCHARD, Detroit, Mich., assignor, by mesne assignments, to Motor Products Corporation (1923), Detroit, Mich., a Corporation of New York. Filed Aug. 28, 1922. Serial No. 584,682. 11 Claims. (Cl. 29—69.)



1. In a mechanism for cutting moving tubing, the combination with a device for severing the tubing, of means for relatively moving the tubing and severing device toward each other to bring the severing device into engagement with the tubing and also for moving said severing device in the same direction and at the same speed as the tubing is advancing, and means for returning said severing device to its original position, said means opposing a resistance to the forward movement of said severing device which progressively decreases as said severing device is advanced.

1,533,264. ELECTRIC-FURNACE RESISTOR. THOMAS A. REID, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1921. Serial No. 522,996. 8 Claims. (Cl. 204—64.)

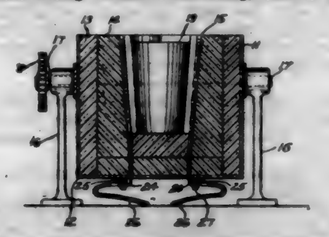


7. A resistor-supporting means comprising a plurality of contiguous refractory members, each having one end of L-shape for engaging and supporting a resistor member and means for loosely supporting said refractory members.

1,533,265. ELECTRIC CRUCIBLE FURNACE. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,644. 4 Claims. (Cl. 204—64.)

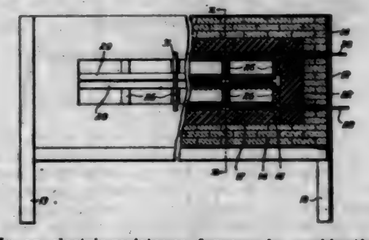
2. In an electric furnace, in combination, a refractory casing, a plurality of relatively thin refractory plates,

of arcuate form in lateral cross-section, each plate having a plurality of relatively small spaced, alined, integral projections on the outer surface thereof and the said plates fitting within said casing, and a resistor



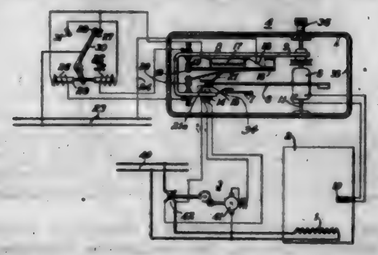
member located between said plates and said casing and operatively engaging said plates at their outer surface only, the said portions thereof being maintained in proper operative position relatively to each other by the alined projections.

1,533,266. DOUBLE-CHAMBER ANNEALING FURNACE. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 6, 1922. Serial No. 534,447. 2 Claims. (Cl. 204—64.)



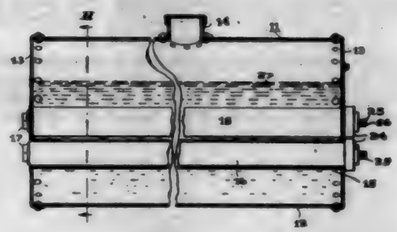
1. In an electric-resistance furnace, in combination, a refractory casing enclosing a plurality of superposed chambers, a plurality of relatively thin refractory plates constituting the bottom wall of the lower chamber, a plurality of relatively thin refractory plates constituting the top wall of said chamber and the bottom wall of said upper chamber, a plurality of relatively thin refractory plates constituting the top wall of said upper chamber, all of said plates having a plurality of relatively small, spaced, alined, integral projections thereon and a resistor member operatively engaging one surface of each of said refractory plates.

1,533,267. TEMPERATURE INDICATOR AND CONTROLLER. THOMAS A. REID, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,514. 28 Claims. (Cl. 204—64.)



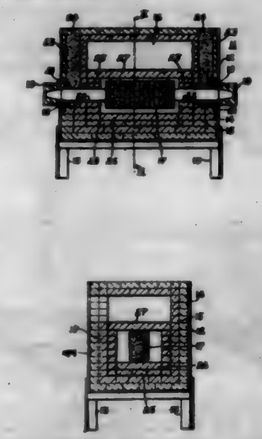
1. In a temperature-controlling system for an electrically-heated device, the combination with a heat-developing device, a source of energy therefor and means for controlling the admission of energy to the heat developing device, of a controlling means for the energy-controlling means comprising a member movable in response to the temperature of the heated device, contact members disposed in predetermined relation with respect to the path thereof to be engaged by the movable member at predetermined temperatures corresponding to the positions of the contact members, and thermoresponsive means for periodically causing the movable member to engage one of the contact members while said movable member is within the range of the path included by the contact members.

1,533,268. ELECTRIC STEAM BOILER. THOMAS A. REID, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1922. Serial No. 585,889. 4 Claims. (Cl. 219—38.)



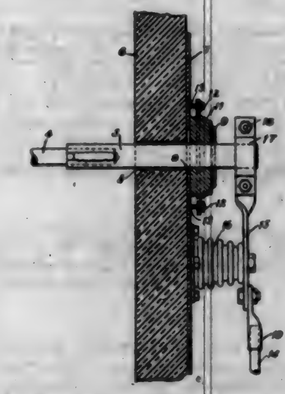
1. In a heating unit for an electrically-heated boiler, in combination, a metal tube, a preformed relatively heavy resistor member in said tube, a plurality of spaced refractory members in said tube for holding integral and parallel-extending portions of said resistor member in proper operative positions therein, and a filling of granular electric-insulating and heat-conducting material in said tube.

1,533,269. ELECTRIC FURNACE. THOMAS A. REID, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 1, 1922. Serial No. 598,296. 6 Claims. (Cl. 204—64.)



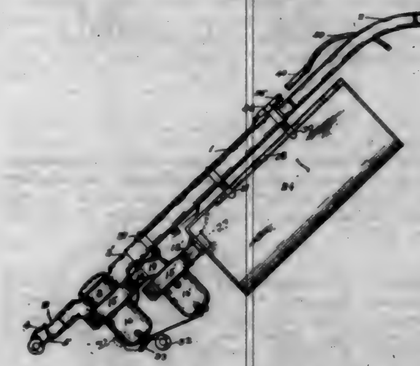
4. The method of protecting an oxidizable resistor member in a furnace chamber which comprises surrounding said chamber by a relatively thin layer of an initially granular material and heating said granular material to change the same to a substantially vitreous air-tight envelope.

1,533,270. FURNACE TERMINAL. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1922. Serial No. 599,518. 4 Claims. (Cl. 204—64.)



1. A furnace terminal comprising a terminal bar adapted to extend through an opening in a furnace wall, a refractory gasket surrounding the bar and a gasket clamp for pressing the gasket into contact with the wall surrounding the said opening and the terminal bar.

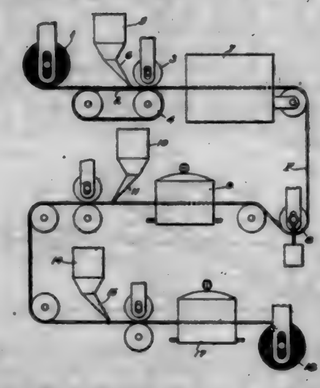
1,533,271. AIRWAY-CLEANING APPARATUS. DANIEL BENSON REPLOGLE, Berkeley, Calif. Filed Feb. 26, 1919. Serial No. 279,467. 9 Claims. (Cl. 15—16.)



7. In an air-way system adapted for cleaning and the like, wherein motor driven centrifugal fans are used for driving air thru the system, a plurality of attachment devices for the air driving means, and a plurality of equipped centrifugal fan air driving units adapted to be serially and operatively attached to either of the attachment devices aforesaid.

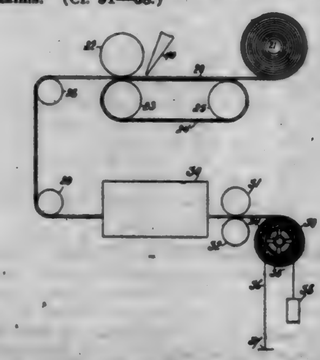
1,533,272. ADHESIVE MEDICAL TAPE AND PROCESS FOR MAKING THE SAME. ROLAND B. RESPESS, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed Feb. 15, 1921. Serial No. 445,111. 4 Claims. (Cl. 91—68.)

1. The process of making adhesive surgical tape which comprises saturating an unwoven fibrous sheet with an adhesive binding agent, drying the sheet, coating one side of the dried sheet with a medicated liquid adhesive, and coating the opposite side of the sheet with a water-proofing substance.



2. An adhesive medicated tape comprising unwoven fibrous sheet material saturated with a binding adhesive agent and coated on one side with a medicated adhesive and upon the other side with a waterproofing substance.

1,533,273. PROCESS FOR MAKING A LEATHER SUBSTITUTE. ROLAND B. RESPESS, New York, N. Y., assignor, by mesne assignments, to Respro Inc., Cranston, R. I., a Corporation of Rhode Island. Filed Feb. 21, 1921, Serial No. 446,976. Renewed Feb. 5, 1925. 3 Claims. (Cl. 91—68.)

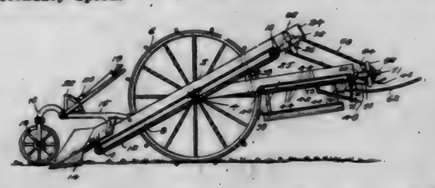


1. The herein described process of making a leather substitute consisting in forming an untwisted fiber sheet, saturating the sheet with an adhesive binding agent composed preferably of glue and rubber by passing the sheet between pressure rolls to force the binding agent into the sheet and to interlock and mat the fibers, drying the sheet and subjecting it to pressure under tension.

1,533,274. QUACK-GRASS MACHINE. THOMAS C. REYNOLDS, Verdi, Minn. Filed Dec. 12, 1922. Serial No. 606,425. 2 Claims. (Cl. 55—137.)

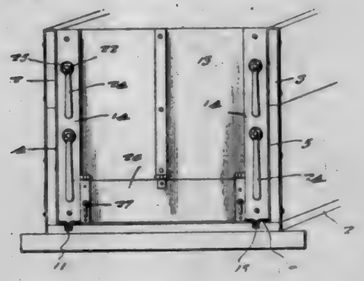
1. A machine of the class described comprising a frame having traction wheels, a conveyor frame tiltably mounted on said frame, a sheet steel endless primary conveyor apron on said frame, rollers journaled in said frame for supporting said apron, a vertically adjustable plow at the receiving end of said primary apron, a rotary disintegrator at the delivery end of said primary apron, gears carried at each end of said disintegrator, a sprocket chain connected with one of said gears and with said

traction wheels, a second conveyor frame supported from said machine frame below said first conveyor frame, a secondary conveyor in said second frame and comprising a series of transverse spaced metal bars, a concave having flexible steel fingers at the delivery end of said secondary apron, a rotary disintegrator cooperating with said concave, driving gearing connecting said last named disintegrator and the other of said gears on said first named disintegrator, driving gearing between said last named disintegrator and said secondary apron and a material separating carrier at the delivery end of said secondary apron.



2. In a machine of the class described, the combination with a frame, a conveyor therein, means for operating said conveyor, a concave including a plurality of spaced longitudinally extending tines, means for pivotally supporting said concave at the delivery end of said frame below the conveyor, a depending arm carried at the end of said concave, spring means between said arm and said frame to normally retain said concave in a yielding predetermined position, and a beater rotatably carried on said frame cooperating with said concave.

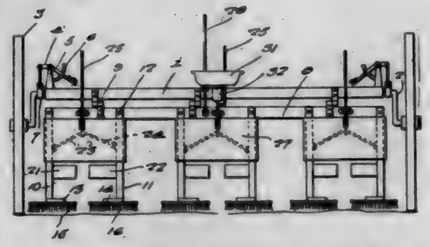
1,533,275. END GATE. ARTHUR ROBERTS, Bogue, Kans. Filed Jan. 3, 1925. Serial No. 342. 2 Claims. (Cl. 296—52.)



1. In combination with a wagon body, a pair of opposed angle iron members secured on the inner sides of the wagon body adjacent the rear end thereof, an end gate adapted to be detachably and hingedly supported at its lower end to the bottom of the wagon body, means for securing the end gate in a vertical position, said means comprising bolts extending transversely through the end gate and through registering elongated openings provided in the angle iron members, heads on the inner ends of the bolts adapted for engagement with the inner faces of the angle iron members, and handles on the outer ends of said bolts for rotating the same to bring the heads into alignment with the openings whereby the gate is adapted for swinging or vertical sliding movement.

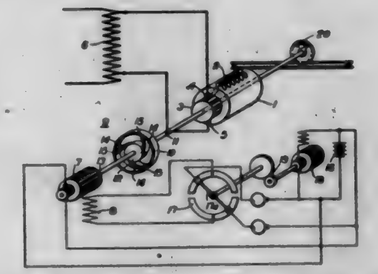
1,533,276. BOLL-WEEVIL MACHINE. JOSE M. SANCHEZ, Zapata, Tex. Filed Aug. 19, 1924. Serial No. 732,956. 4 Claims. (Cl. 43—138.)

1. A boll weevil machine comprising an axle, traction wheels on the respective ends thereof, a longitudinal beam hingedly supported on said axle, means for swinging the beam and holding it in adjusted positions, a plant engaging unit including a pair of spaced arms pivotally supported at their upper ends on the longitudinal beam, means for swinging the arm for holding



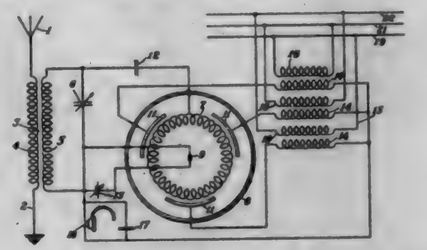
them in adjusted positions in relation to each other, and engaging brushes extending forwardly on the upper portions of the arms of the units, insect receiving pans supported on the arms and disposed below the brushes.

1,533,277. MEANS FOR PREVENTING ARMATURE-COIL HEATING. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 15, 1919. Serial No. 317,692. 11 Claims. (Cl. 172—276.)



2. In combination with a dynamo-electric machine embodying a commutated armature winding, an auxiliary motor detachably connected thereto, and means for periodically reversing the direction of rotation of said auxiliary motor.

1,533,278. PLATE-CIRCUIT EXCITATION. JOSEPH SLEPIAN, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 20, 1920. Serial No. 425,338. 11 Claims. (Cl. 250—27.)



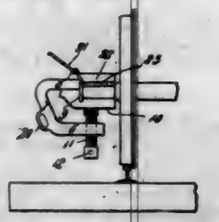
2. The combination with a vacuum-tube device having an electron-emitting cathode, of means for producing a rotating electrostatic field substantially constant in ampliture at the surface of said cathode.

1,533,279. ELECTRICAL CONNECTION FOR RAILWAY RAILS. JEREMIAH D. GRUNDON, Guthrie, Okla. Filed Oct. 31, 1922. Serial No. 598,113. 2 Claims. (Cl. 173—262.)



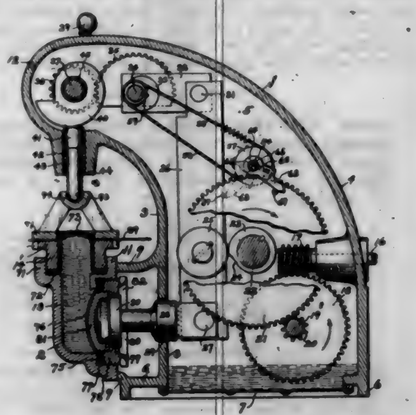
2. A fish plate having upon its inner face a longitudinal groove, a recess and deeper recesses, and a bonding wire received in said recess and having free loops between its ends received in said deeper recesses and angled ends adapted to be received in openings in the web of a rail.

1,533,280. JOURNAL-BOX JACK. GEORGE TALLION, Malone, N. Y. Filed July 14, 1923. Serial No. 651,448. 2 Claims. (Cl. 254—34.)



1. A journal box jack comprising a C-shaped member having upper and lower arms disposed in spaced parallelism, said upper arm being provided at its free end with means for engaging an axle collar, said lower arm being of a length greater than the upper arm and extending inwardly beyond the collar engaging means to dispose its end beneath the approximate center of a journal box, and a lifting device carried by the inner end portion of said lower arm.

1,533,281. TESTING MACHINE. HERBERT E. TAUTZ, Milwaukee, Wis., assignor to Elisha Jesse Cady, River Forest, Ill. Filed June 13, 1923. Serial No. 645,170. 26 Claims. (Cl. 265—14.)

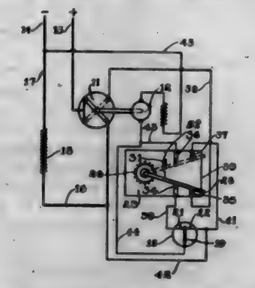


1. In a machine for testing fabrics, a casing having a movable stock-clamp and a reciprocable piston, a second casing having a liquid chamber provided with a platform and a diaphragm in the line of movement of the clamp and a diaphragm in the line of reciprocation of the piston, the diaphragms sealing the chamber, and means to detachably mount the second casing on the other casing.

8. In a machine for testing fabrics, a casing forming a compression chamber having a shouldered opening, a diaphragm closing said opening consisting of an elongated tubular body having a head at one end and an annular rim at its other end, and a platform having a hollow stem surrounding the body of the diaphragm and clamping its rim on the shoulder of the chamber.

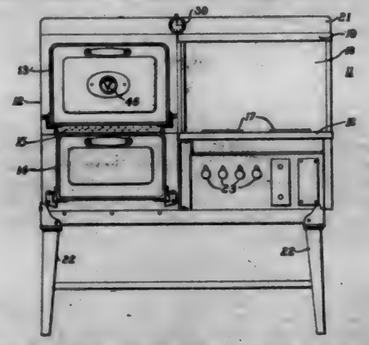
20. In a machine for testing fabrics, a casing forming a compression chamber containing liquid and having a diaphragm, a piston to impart pressure on the liquid, shaft, means operated by the shaft to actuate the piston, an electric motor to drive the shaft, a switch for the motor circuit, a spring-retracted trip-lever to open the switch, and a pin actuated by the shaft to move said lever when the shaft completes its rotation to open the switch.

1,533,282. PROTECTIVE SYSTEM FOR HEATING DEVICES. FRANK THORNTON, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,707. 10 Claims. (Cl. 219—20.)



1. In an electric-heating system, in combination, an electric-heating element, electric means for controlling the energization of said element to maintain a substantially constant temperature, and a thermally operable temperature-limiting device for disabling said electric controlling means upon the occurrence of predetermined temperature conditions.

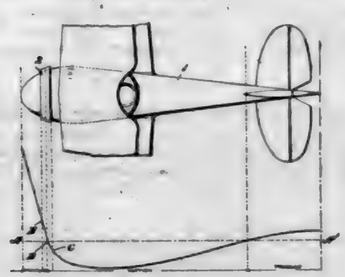
1,533,283. AUTOMATIC THERMAL CONTROL SYSTEM. FRANK THORNTON, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 13, 1922. Serial No. 606,646. 2 Claims. (Cl. 219—35.)



1. In a heating system for electrically heated appliances in combination, a heating element, a snap switch for controlling the energization of said heating element,

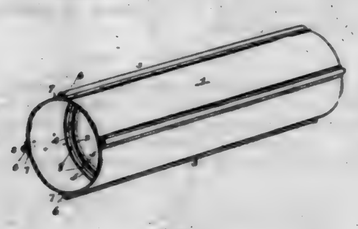
an electric motor for actuating said snap switch, a time controlled electric circuit for energizing said motor to actuate said switch to a position to permit energization of said heating element, and a separate temperature controlled electric circuit for energizing said motor to actuate said switch to a position to de-energize said heating element.

1,533,284. ANNULAR RADIATOR MOUNTING FOR AIRPLANES. ALFRED V. VERVILLE, Dayton, Ohio. Filed Feb. 17, 1921. Serial No. 445,712. 9 Claims. (Cl. 244—31.)



1. In combination with an airplane fuselage of streamline formation, a radiator transversely encircling and projecting beyond the fuselage and having its air inlet and outlet sides arranged respectively in advance and in rear of the line of normal atmospheric pressure on the nose portion of the fuselage.

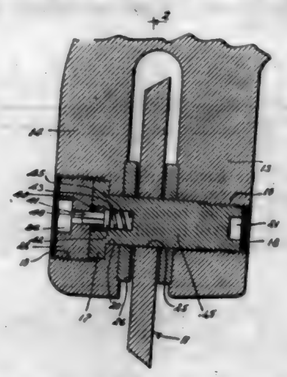
1,533,285. AIRCRAFT FUSELAGE. ALFRED V. VERVILLE, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,308. 5 Claims. (Cl. 244—30.)



3. An aircraft body structure comprising a shell of streamline formation, flanged metal hoops stationed at intervals in said shell in contact with the inner face thereof, and flanged metal ribs extending longitudinally of and in contact with the outer surface of said shell, the flanges of said hoops and ribs being secured to each other by fasteners.

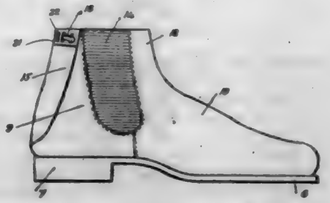
1,533,286. WELL-DRILLING BIT. HARRY P. WICKERSHAM, Walnut Park, Calif. Filed June 9, 1924. Serial No. 718,849. 10 Claims. (Cl. 255—71.)

1. In a bit having two spaced parts with openings at opposite points, a cutting member, and a pin for mounting the cutting member between said parts, the pin being arranged to extend between the parts and having one end screw threaded into the opening in one part, a



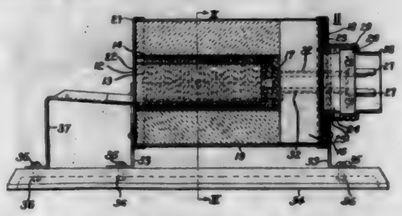
head on the other end of the pin completely carried in the opening in the other part, and a plug screw threaded into said last mentioned opening over the head of the pin.

1,533,287. SHOE. JAMES E. WILLIAMS, Spring City, Pa. Filed Feb. 20, 1924. Serial No. 694,085. 1 Claim. (Cl. 36—51.)



In a shoe, an upper, a quarter formed of two parts extending to the shoe heel and united by a seam adjacent to the heel, one portion of the quarter being provided with a flap which overlaps the other portion, side portions of elastic material secured between the upper and the two portions of the quarter, a reinforcing strip secured to the top edge of the said flap, said strip and flap being provided with slots, and a fastening device secured to the under portion of the quarter and adapted to engage with the said slots and contract the ankle portion of the shoe upon the ankle of the wearer.

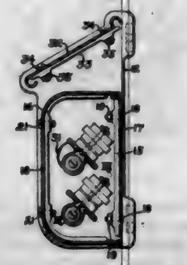
1,533,288. ELECTRIC MUFFLE FURNACE. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Oct. 2, 1922. Serial No. 591,781. 3 Claims. (Cl. 204—64.)



1. In an electric-resistance furnace, in combination, a base, a tubular casing, end caps for said casing, each having a central circular opening therethrough, means for supporting said casing above said base secured to said

end caps, a heat-insulating lining within said casing, a tubular muffle, a stop member projecting into said muffle at one end thereof, a disc of heat-insulating material in said casing adjacent to said stop member and to one of said end caps, a terminal member operatively supported by the end cap located adjacent to said disc of heat-insulating material, and located in axial alinement with said tubular muffle, and a work-supporting member at the other end of said casing.

1,533,289. STREET-CAR HEATER. JAMES C. WOODSON, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Oct. 4, 1922. Serial No. 592,267. 2 Claims. (Cl. 219—19.)



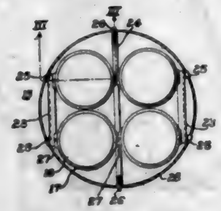
1. In an electric street-car heater, in combination, a pair of end castings, an elongated perforated three-sided cover member secured to said end castings at the edges of one of said sides, a reflector secured to said end castings at the open side of said cover member, heating elements supported by said end castings within said cover member, and a combined guard and foot-rest secured to said end castings above said cover member.

1,533,290. ELECTRIC CANDY-WARMING TABLE. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Corporation, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,497. 6 Claims. (Cl. 219—19.)



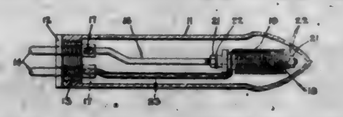
1. In an electrical heating device, in combination, a sheet-metal plate having upturned edge flanges, a layer of heat-insulating material on said plate, a layer of flexible electrical-insulating material on said heat-insulating material, a resistor member located on and secured to said layer of electrical-insulating material, a layer of electrical-insulating material over said resistor and a superposed sheet-metal plate having downturned edge flanges operatively engaging the upturned edge flanges of said first sheet-metal plate.

1,533,291. STERILIZED HEATER. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,498. 4 Claims. (Cl. 219—38.)



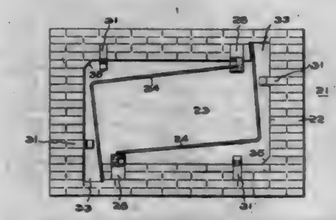
1. In an electrically heated device, the combination with a fluid container having a depending flange portion, of a plurality of parallel-extending, spaced bars having their ends secured to said flange portion, a plurality of metal supporting members secured on and supported by said spaced bars, refractory bricks supported in said metal supporting members and resistor members in said refractory bricks supported thereby closely adjacent to the bottom of said container.

1,533,292. ELECTRICALLY-HEATED DEVICE. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 2, 1922. Serial No. 604,499. 2 Claims. (Cl. 219—67.)



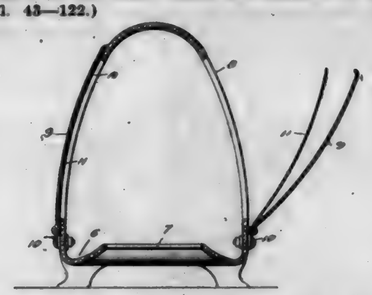
1. In an electrically heating device, the combination with a tubular refractory casing closed at one end and having internal screw threads at its open end, of a refractory closure member having external screw threads and fitting into the open end of said casing, and a plurality of spaced contact terminals mounted in said closure member and projecting therefrom and adapted to be operatively engaged by a contact plug.

1,533,293. ELECTRIC HEATING UNIT. JAMES C. WOODSON, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1924. Serial No. 698,871. 15 Claims. (Cl. 204—64.)



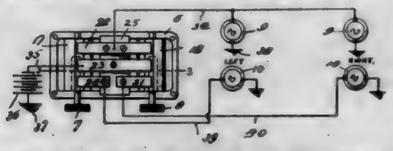
1. In an electric furnace, in combination, a resistor member comprising a plurality of return-bent integral portions, located in two angularly intersecting planes only.

1,533,294. FLYTRAP. EDITH ZINNER, Miles City, Mont. Filed Nov. 18, 1924. Serial No. 750,610. 1 Claim. (Cl. 43—122.)



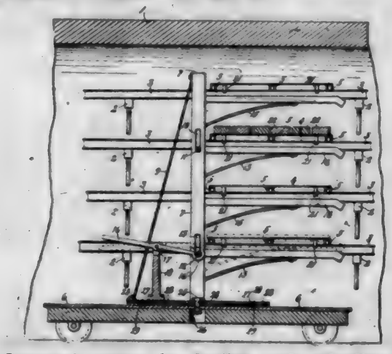
In a fly trap of the character described, a receptacle formed with an inlet opening in its bottom wall, and discharge openings in its side walls, strips of fly paper adapted to be disposed over the openings in the side walls, and combined closing doors and fly paper strip holders hingedly secured to the receptacle adjacent said side wall openings.

1,533,295. ELECTRIC SWITCH. WILLIAM ADAMS, Akron, Ohio. Filed Sept. 17, 1923. Serial No. 663,102. 1 Claim. (Cl. 200—5.)



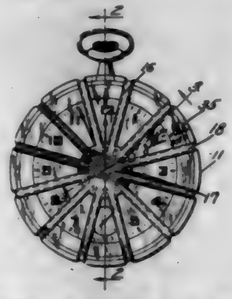
An electrical switch comprising an elongated casing, a pair of longitudinally spaced rollers journaled in said casing, separate operating handles for the rollers, said rollers being provided on their surface with circumferentially spaced shoulders and being also provided on their surfaces between the shoulders with movable contact strips, a cross piece in the casing beween the rollers, a plurality of spring metal contacts connected to said cross piece and projecting beyond it into the path of the roller, the free ends of said spring metal contacts being successively engageable with the shoulders and movable contacts carried by said rollers.

1,533,296. MEANS FOR LOADING AND UNLOADING KILNS OR STOVES. MARIANO ALEMANY, Central Hershey, Cuba. Filed Apr. 8, 1924. Serial No. 705,144. 1 Claim. (Cl. 254—8.)



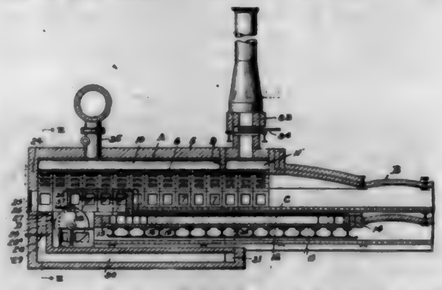
Improved means for loading and unloading kilns which comprises a car provided with two standards of channelled section inside of which are slidable vertical beams connected by cross bars and from which project longitudinally pairs of load carrying horizontal arms the arms being arranged at a vertical distance from one another which is the same as that which separates the longitudinal beams of the kiln, and means to raise and lower said vertical beams and said pairs of horizontal arms.

1,533,297. MEMORANDUM. JOSEPH ALLER, Los Angeles, Calif. Filed Nov. 5, 1923. Serial No. 672,876. 4 Claims. (Cl. 58—57.)



2. In cobination: a time piece; a frame disposed in front of the dial of said time piece; and transparent mark receiving members removably held by said frame.

1,533,298. ANNEALING FURNACE AND LEER. WALTER O. AMSLER, Pittsburgh, Pa. Filed June 3, 1921. Serial No. 474,691. 9 Claims. (Cl. 49—47.)

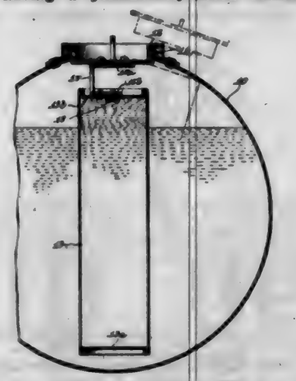


3. A heating chamber for leers comprising an outer wall, an inner wall, which inner wall encloses a muffle chamber, means for circulating heated gases between the inner and outer walls, means for introducing articles at the side of the muffle chamber, and means for circulating the heated gases around the muffle chamber to the rear of the point where the articles are introduced into the muffle chamber.

4. A heating chamber for leers comprising an outer wall, an inner wall enclosing a muffle chamber, an endless conveyor in the chamber, supporting wheels for the conveyor extending into the muffle chamber, vertical side flues for circulating heated gases between the outer and inner walls, and passages connecting those of the side flues adjacent the wheels whereby the portion of the muffle chamber into which the wheels extend may be heated by circulating gases thereabout.

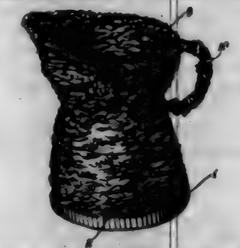
1,533,299. FUEL-RESERVE TANK. JOHN G. ARMKNECHT, Detroit, Mich. Original application filed Jan. 30, 1922, Serial No. 532,613. Divided and this application filed July 19, 1923. Serial No. 652,555. 2 Claims. (Cl. 158—46.5.)

1. A fuel reserve formation for motor vehicle service and comprising a closure member for the filling opening of the fuel supply tank, and a fuel container secured to and depending from and movable with the closure, said container having dimensions and a configuration to permit free passage through the filling opening, said container having a permanently-closed bottom and a



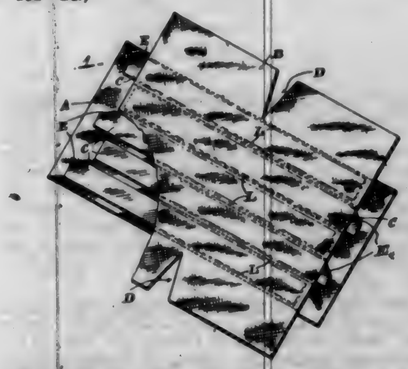
permanent top, said top carrying filling and venting openings and with a baffle formation underlying such openings.

1,533,300. METHOD OF MAKING DECORATIVE ARTICLES. RALPH BAKER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 12, 1920. Serial No. 423,647. 6 Claims. (Cl. 219—8.)



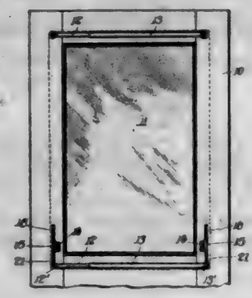
1. A method of forming metal deposits into receptacles which comprises establishing an arc between a fusible electrode and a metal base, and manipulating said electrode to produce superposed deposits to form the walls of a receptacle.

1,533,301. INNER BOOT FOR AUTOMOBILE TIRES. LEON G. BELOUD, San Francisco, Calif. Filed Aug. 25, 1923. Serial No. 659,401. 4 Claims. (Cl. 152—24.)



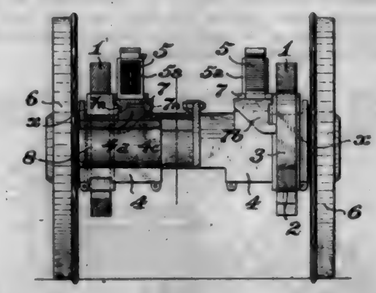
3. A blow-out boot for pneumatic tires comprising layers of fabric, fastened together in such a manner as to leave pockets, each one of which is intended to contain a metallic strip, means to secure each metallic strip at one end only, in order to allow play when flexed all substantially set forth.

1,533,302. CURTAIN SUPPORT. JAMES H. BOYD, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,188. 3 Claims. (Cl. 156—22.)



1. In a curtain holder of the type described, the combination of a pair of guides adapted for attachment to a panel frame, a pair of vertically slidable bars mounted in said guides, said bars having outwardly offset lower end portions carrying rod-supporting devices, a curtain rod formed with rearwardly turned end portions separately engaged with said rod-supporting devices, and yieldable means for locking said bars in adjusted position in said guides.

1,533,303. LATERAL-MOTION APPLIANCE FOR LOCOMOTIVE DRIVING BOXES. JAMES G. BLUNT, Schenectady, N. Y. Filed Sept. 25, 1924. Serial No. 739,794. 4 Claims. (Cl. 105—80.)

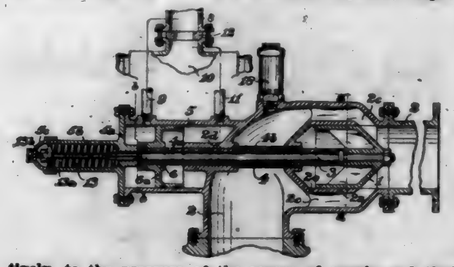


1. In a locomotive engine, the combination of side frame members; a driving box, fitted therein, with the capacity of relative transverse movement; springs, located on the inner sides of the frame members, and bearing thereon; spring seats, journalled on the driving box and supporting said springs; and lever arms, fixed to the spring seats and bearing on the frame members.

1,533,304. SPEED-CONTROL APPLIANCE FOR FLUID-PRESSURE ENGINES. ALFRED W. BRUCE, New York, N. Y. Filed Apr. 25, 1923. Serial No. 634,481. 5 Claims. (Cl. 137—153.)

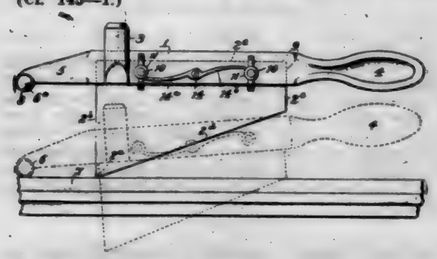
4. In a speed control appliance for locomotive engines of the Mallet type, the combination, with a cylinder exhaust pipe, of a choke valve in said pipe, means to

normally hold said valve inoperative, a differential piston directly connected to said valve, connections whereby the opposite faces of said piston are subjected, respec-



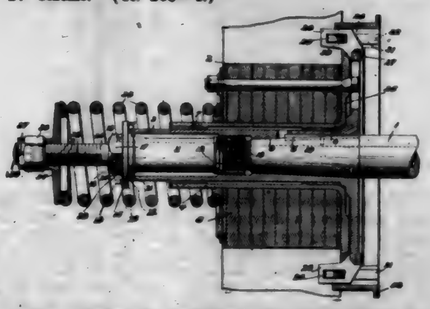
tively, to the pressure of the source of supply and that in the valve chest, and a reducing ring in the conduit between the source of supply and the valve chest.

1,533,305. TOOL FOR CUTTING TONGUED BOARDING. CHARLES HERBERT BURTON, Washington, D. C. Filed Apr. 8, 1924. Serial No. 705,115. 6 Claims. (Cl. 145—1.)



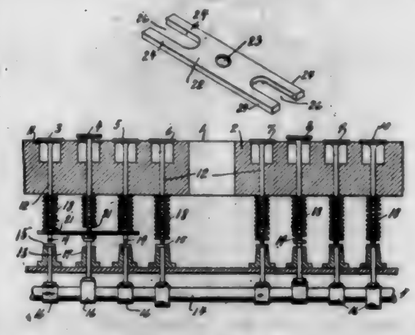
1. A tool comprising a main body portion, a blade on the body portion disposed longitudinally and projecting downwardly from the under side thereof, said blade having a cutting edge portion extending at an inclination to said body portion, the blade being adapted to gradually enter and cut the work, an anvil part on the body portion at the upper side thereof, and a handle extension at one end of said body portion.

1,533,306. THRUST METER. FRANK W. CALDWELL, Dayton, Ohio. Filed Jan. 20, 1922. Serial No. 530,723. 17 Claims. (Cl. 265—4.)



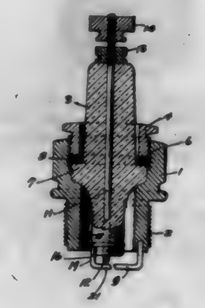
1. In a device for measuring the thrust force of a screw propeller carried by a driving shaft, bearing means mounting the propeller for longitudinal play on the shaft, means for driving the propeller positively from the shaft irrespective of such play, a spring interposed between shaft and propeller to resist longitudinal play of the latter, means by which the tension of the spring may be varied, and means for indicating the degree of play of the propeller.

1,533,307. VALVE LIFTER. SELDEN SCRANTON DAVIS, South Pasadena, Calif. Filed Mar. 29, 1923. Serial No. 628,600. 6 Claims. (Cl. 29—86.3.)



1. In combination, a plurality of valves disposed in operative proximity having stems extending therefrom, spring means bearing on the stems for seating the valves, individual elements adapted to successively raise the valves by compressing the springs, and means adapted to be supported by one of said elements made to hold the springs of adjacent valves in a compressed condition so as to render the same inoperative.

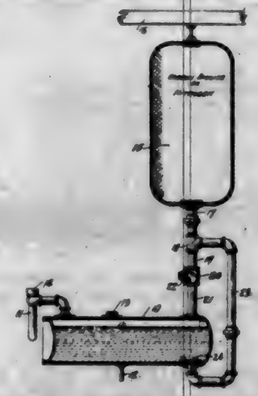
1,533,308. SPARK PLUG. SELDEN S. DAVIS, South Pasadena, Calif. Filed May 7, 1923. Serial No. 637,378. 1 Claim. (Cl. 123—169.)



A spark plug comprising an insulating core, a metallic shell carrying the core, a main electrode projecting from the lower end of the core, a second electrode projecting inwardly from the lower end of the shell to a point below and at one side of the main electrode, a metallic loop embracing the core, and a projection on the loop and extending across the lower end of the main electrode to provide a gap between the two and having its free end spaced from the second electrode to form a gap therebetween.

1,533,309. SAFETY DEVICE FOR GASOLINE TANKS. WILLIAM E. DURBOROW, Columbia, Pa. Filed Oct. 5, 1922. Serial No. 592,550. 4 Claims. (Cl. 220—74.)

1. The combination with a tank for containing liquid fuel and having an outlet, of means for keeping that portion of the tank not filled with fuel filled with non-combustible gas comprising a gas container located outside of the tank and having a capacity at least equal to the capacity of the tank and formed of flexible material



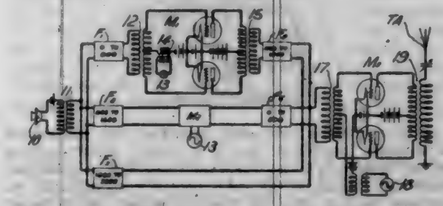
whereby it will be submitted to the pressure of atmospheric air, and a pipe leading from the container into the upper portion of said tank.

1,533,310. INTERLOCK DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Sept. 13, 1922. Serial No. 587,903. 12 Claims. (Cl. 173—332.)



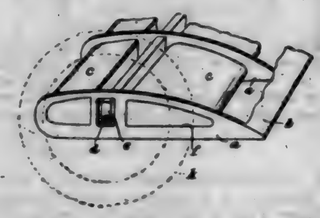
1. The combination with a switch device for controlling electric train line circuits and a cut-out cock for controlling communication through a fluid pressure train pipe, of an interlock device including an interlocking element movable with said switch device and an interlocking element movable with said cut-out cock for preventing movement of the switch device in one position of the cut-out cock.

1,533,311. SECRET SIGNALING. HARVEY FLETCHER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1923. Serial No. 681,846. 11 Claims. (Cl. 179—1.)



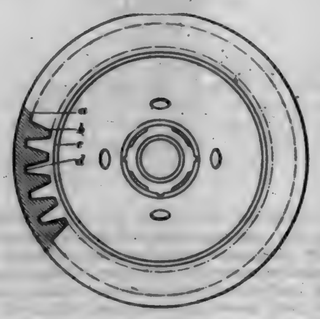
1. The method of secretly transmitting speech waves comprising dividing the waves into sub-bands of frequencies, the sub-bands differing among themselves as to the breadth of included frequencies, interchanging certain of said sub-bands with others while keeping the total range of the resultant wave within the same frequency limits as the speech waves, and transmitting said resultant waves to a distance.

1,533,312. LOCATION OF BENZINE TANKS IN AEROPLANES. ANTHONY HERMAN GERARD FOKKER, Amsterdam, Netherlands. Filed July 8, 1921. Serial No. 483,816. 5 Claims. (Cl. 241—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



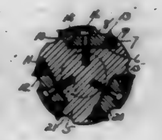
1. In an aeroplane carriage, the combination, side bars shaped to afford the least possible resistance to the air, a fuel tank fitted in and supported by said bars, and an envelope covering the bars and the tank, substantially as and for the purposes set forth.

1,533,313. CENTRIFUGAL SEPARATOR BOWL TO FACILITATE THE REMOVAL OF SLIME THEREFROM. ERIK AUGUST FORSBERG, Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y., a Corporation of New Jersey. Filed July 19, 1922. Serial No. 576,123. 3 Claims. (Cl. 233—27.)



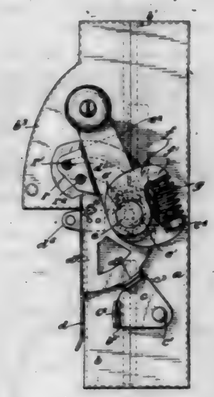
1. A centrifugal bowl especially adapted to effect the carrying away by outflowing liquid of slime deposited on the peripheral wall of the separating chamber, which comprises a bowl having a cylindrical inner wall provided with a multiplicity of channels whose longitudinal direction of extension is toward the bowl outlet, said channels opening along their length toward the interior of the bowl and having imperforate bottoms and side walls and adapted to receive the separated slime, said channels having a depth greater than the width of their bottoms and concentrating the peripherally outflowing liquid in narrow spaced apart streams and thus so increasing the velocity of flow of the peripherally outflowing liquid as to facilitate the sludging out of the slime.

1,533,314. REAMER. DANIEL S. FOX, Ivoryton, Conn. Filed Aug. 4, 1921. Serial No. 489,718. 9 Claims. (Cl. 77—75.5.)



1. A reamer comprising a body having a groove with a flat bottom and a sloping wall on one side at an angle to the bottom, a clamp having an edge oppositely tapered to said wall to form a recess for a triangular cutting tool, and means for securing the clamp in place.

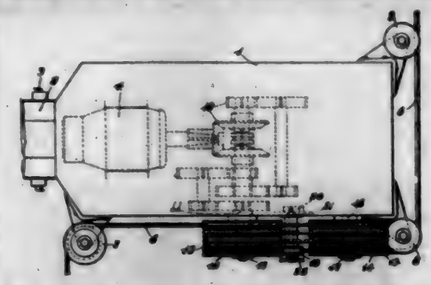
1,533,315. INCLOSED SAFETY SWITCH. POUL HARTMANN, Brooklyn, N. Y., assignor, by mesne assignments, to Economy Fuse & Manufacturing Company, Chicago, Ill., a Corporation of New York. Filed May 10, 1921. Serial No. 468,283. 12 Claims. (Cl. 200—50.)



4. In combination with a line switch and fuses, a box in which they are supported, said box having a removable cover, said cover being provided with an opening therein to give access to said fuses, a door hinged on the cover and closing said opening, holding means for said cover and means mounted upon said cover and cooperating with said switch and said holding means to prevent removal of said cover while said door is closed, the opening of said door while said switch is closed and the closing of said switch when said door is open.

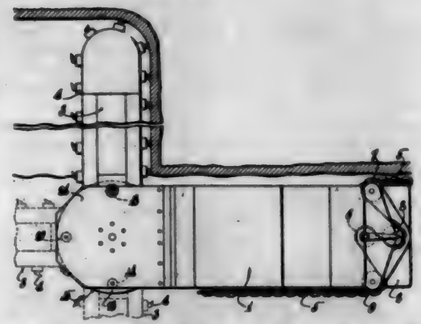
1,533,316. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 13, 1921. Serial No. 477,043. 30 Claims. (Cl. 262—30.)

1. The combination with a mining machine having a frame slidable on its bottom over a mine bottom during cutting, of flexible machine feeding and guiding mechanism therefor including a continuous flexible feeding member extending in opposite directions from points at the opposite ends of said machine, and a plurality of winding drums between said points rotatable on par-



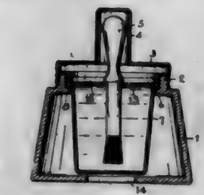
allel axes and around which the intermediate portion of said member is wound in loops each of which passes around all of said drums.

1,533,317. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 22, 1921, Serial No. 509,695. Renewed July 21, 1924. 19 Claims. (Cl. 262—30.)



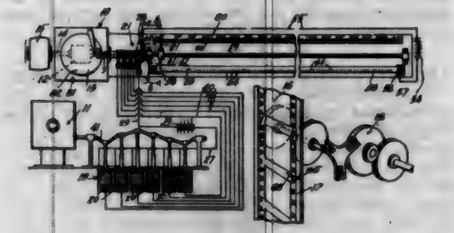
1. In a mining machine, mining mechanism including a mining machine casing slidable on its bottom on a mine bottom, a head carried on said casing and having superimposed surfaces forming a horizontal cuttings chamber at its top, and a cutter chain carrying cutter bar pivotally mounted in said chamber and disposed in a plane parallel to said bottom.

1,533,318. PASTE RECEPTACLE. PAUL J. IHLING, Kalamazoo, Mich. Filed Jan. 17, 1925. Serial No. 3,014. 5 Claims. (Cl. 91—67.1.)



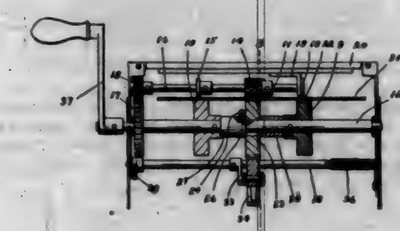
5. In a device of the class described, the combination of a holder receptacle having a central finger opening at the bottom, a cover for said receptacle, a container removably arranged in said holder receptacle, a removable sealing disk for said container, and a brush having a closure disk attached thereto adapted to constitute a closure for said container after said sealing disk has been removed.

1,533,319. AUTOMATIC ADJUSTING MECHANISM FOR SYNCHRONOUS APPARATUS. ORLANDO E. KELLUM, Los Angeles, Calif. Filed Nov. 20, 1920. Serial No. 426,108. 6 Claims. (Cl. 172—293.)



1. In combination two mechanisms, means for connecting the mechanisms to operate in synchronism comprising a commutator mechanism, and means for actuating the commutator mechanism during operation of said two mechanisms to change the relative operating positions of said two mechanisms, said last mentioned means comprising, an electric circuit, a solenoid mechanism in the circuit and having operative connection with the commutator mechanism, and means controlled by virtue of movement of one of the mechanisms to control energization of the solenoid circuit.

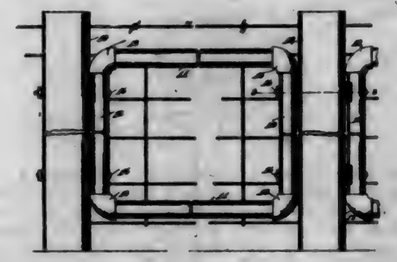
1,533,320. AUTOGRAPHIC REGISTER. HARRY H. KONDERMAN, Newport, Ky., assignor to The Globe Register Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 3, 1922. Serial No. 579,374. 11 Claims. (Cl. 282—21.)



1. In a device of the class described the combination of three shafts having their axes in substantial parallelism, rollers mounted on two of the shafts adapted to cooperate in moving perforated sheets of paper between the shafts carrying said rollers, said rollers being adapted to register with slots in pieces of paper, whereby to render the rollers inoperative upon the sheets of paper, another pair of rollers carried by said shafts, one of said rollers being capable of eccentric movement in relation to the shaft carrying same, and being adapted to move with said shaft, and means carried by the third shaft adapted to bring the last mentioned pair of rollers into cooperative relationship upon sheets of paper, whereby to move the slots in the sheets of paper beyond the first mentioned rollers.

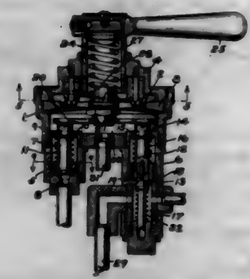
1,533,321. FENCE BRACE. ERNEST N. LANOTT, Sioux City, Iowa. Filed Sept. 27, 1923. Serial No. 665,153. 1 Claim. (Cl. 256—35.)

A fence including posts each of which has opposite flat faces, plano-concave members disposed with their flat faces against the flat faces of the posts and their concave faces directed away from the posts, rectangular frames disposed between adjacent pairs of posts and having vertical tubular end members seated within the



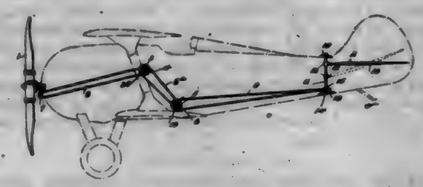
concave faces of the plano-concave members, and securing means disposed through the posts, the plano-concave members, and the said vertical end members of the rectangular frames.

1,533,322. BRAKE-VALVE DEVICE. LLOYD V. LEWIS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1923. Serial No. 675,249. 10 Claims. (Cl. 303—54.)



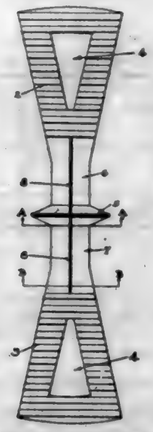
1. In a fluid pressure controlling valve device, the combination with a movable abutment, an exhaust valve, and a separate fluid supply valve movable independently of the exhaust valve, of means operated by said abutment for first seating the exhaust valve while the supply valve is seated and for then unseating the supply valve while the exhaust valve remains seated.

1,533,323. SYNCHRONIZED CONTROL FOR REVERSIBLE PROPELLERS AND VARIABLE-INCIDENCE STABILIZERS. ERNEST G. MCCAULEY, Dayton, Ohio. Filed Apr. 10, 1922. Serial No. 551,198. 12 Claims. (Cl. 244—25.)



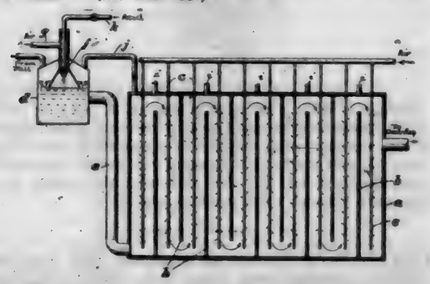
1. In an aircraft having a tractor reversible propeller and an adjustable stabilizer, means operable at the will of the pilot for simultaneously reversing said propeller and adjusting said stabilizer.

1,533,324. WALL TIE. JOHN J. MACK, Salem, Mass. Filed Dec. 28, 1922. Serial No. 609,476. 2 Claims. (Cl. 72—108.)



1. A cast iron wall tie having flat opposite end portions constructed to be anchored, respectively, in the inner and outer sections of a wall, the upper and lower surfaces of said end portions being corrugated, said end portions being tapered in width toward each other, and an intermediate section integral with said end portions and comprising a centrally disposed drip collar and shanks connecting said collar with said end portions, said shanks being tapered both vertically and longitudinally.

1,533,325. PROCESS OF REFINING MINERAL OIL. HAROLD T. MAITLAND, Sharon Hill, Pa., assignor to Sun Oil Company, Philadelphia, Pa., a Corporation of New Jersey. Filed Dec. 4, 1920. Serial No. 428,197. 2 Claims. (Cl. 196—45.)

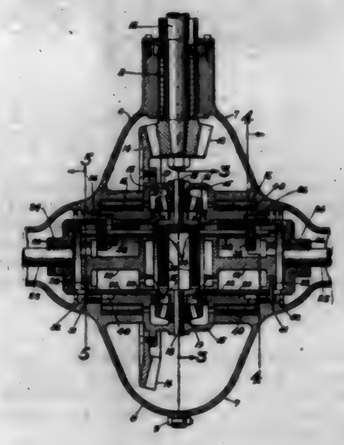


1. The process of continuously refining hydrocarbon oil by subjecting stock that is devoid of substantial quantities of oxidised or polymerised products and that is substantially free of water to the action of sulfuric acid without settlement, establishing a continuously flowing stream of mixed oil and acid and during said flow agitating the mixed oil and acid with air, and at the end of said stream and without allowing substantial settlement and before substantial discoloration of the oil, continuously separating the oil and acid sludge by centrifugal force and separately continuously out-flowing the oil and acid sludge.

1,533,326. METHOD FOR REMOVING VARNISH AND PAINT. EUGENE A. MARSHALL, Richmond, and WILLIAM J. BURKE, San Rafael, Calif. Filed Aug. 15, 1921. Serial No. 492,469. 1 Claim. (Cl. 87—5.)

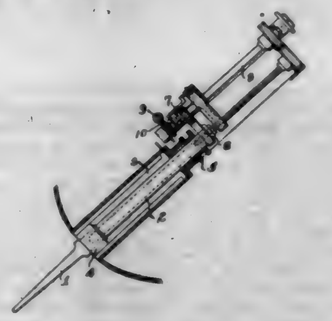
The method of removing varnish and paint from surfaces which consists in first forming a hot liquid mixture containing caustic alkaline solution and Portland cement in sufficient volume to provide a relatively thick liquid, applying the mixture while hot to the coated surface to be treated and permitting the same to remain thereon to cool to enable the cement to set and form a thin film coating, and then by the application of hot water removing the thin film coating and softened paint and varnish.

1,533,327. AUTOMATIC SELF-LOCKING DIFFERENTIAL GEARING. JOHN FR. MORRISSEY, Antigo, Wis. Filed May 21, 1923. Serial No. 640,437. 13 Claims. (Cl. 74—100.)



1. A differential gearing comprising members mounted for relative rotation, a spiral gear mechanism, and means co-operable therewith upon a predetermined racing of either member positively to drive the other member.

1,533,328. STEADYING DEVICE OF THE ROLLING OF SHIPS. SHINTARO MOTORA, Nagasaki, Japan, assignor to Mitsu Bishi Zosen Kabushiki Kaisha, Tokyo, Japan. Filed Apr. 19, 1922. Serial No. 555,641. 2 Claims. (Cl. 114—126.)



1. A steadying device for preventing or minimising the rolling of ships, including a rotatable fin adapted to extend into the water from the hull of the ship, a controlling engine for turning said fin, controlling means for said controlling engine, a gyrostat operated means for effecting operation of the controlling means, stops for said controlling means, and means including a less sensitive gyrostat for moving said stops out of the position in which they engage said controlling means.

1,533,329. VANITY CASE. CHARLES EDWARD MURNAN, Brookline, Mass., assignor to Meliolo Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 22, 1924. Serial No. 733,539. 3 Claims. (Cl. 132—83.)



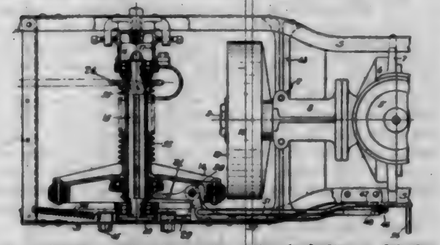
1. A vanity case comprising a powder receptacle including a bottom member having an annular outwardly projecting flange, and a top member having an annular inwardly projecting flange in close frictional contact with the bottom member flange and contacting with the bottom member to maintain the two members spaced apart, the central portion of the top member being offset inwardly from the marginal portion, provided with a central aperture, and connected with the marginal portion by an annular neck forming the margin of a puff receptacle, the bottom of which is formed by said offset portion, a puff inserted in said receptacle, the arrangement being such that the puff covers said aperture and is adapted to be depressed therein, to take up powder in the powder receptacle; and a cover having a marginal flange hinged to the flange of the bottom member, and adapted to confine the puff in contact with the top member of the powder receptacle, the said aperture imparting flexibility to the offset portion of the top member.

1,533,330. UNBREAKABLE COMB. WILLIAM E. MUSE, Sawtelle, Calif. Filed Oct. 18, 1923. Serial No. 669,377. 4 Claims. (Cl. 132—17.)



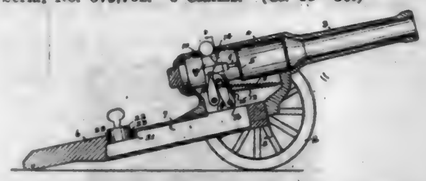
1. A hair comb formed of a breakable material, a wire embedded in and extending along the back of the comb, and wires embedded in and extending along the teeth of the comb.

1,533,331. MOTOR-CYCLE-OPERATING MECHANISM. CARL A. NERACHER, Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation, a Corporation of New York. Filed Mar. 26, 1920, Serial No. 368,963. Renewed July 14, 1924. 12 Claims. (Cl. 74—76.)



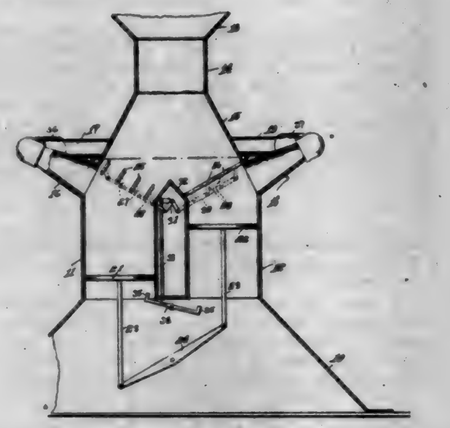
1. A friction drive for motorcycles including a friction face, a friction wheel for engaging said face, means tending to move said wheel radially toward the periphery of the friction face, a bell crank lever for shifting said wheel radially toward the center of said face which bell crank lever is retractable from said wheel, holding means for holding said wheel in its shifted position and means operable by the foot of the motorcycle operator for releasing said holding means and permitting said friction wheel on retraction of the bell crank lever to move toward the periphery of said face.

1,533,332. SAFETY COIN RECEPTACLE. WALTER C. NORRIS, Port Arthur, Tex. Filed Dec. 10, 1923. Serial No. 679,761. 6 Claims. (Cl. 46—36.)



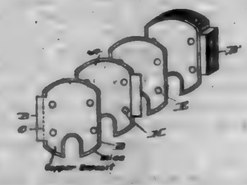
1. A device of the character described including a coin receptacle having a coin receiving slot, a vibratory member, a hammer normally aligned with said slot and blocking the same, means for retracting said hammer, out of alignment with said slot, and then releasing the same, and means operating to strike said hammer against said vibratory member when the hammer is released.

1,533,333. WATER PUMP. CHARLES F. OTTO, Nemo, S. Dak. Filed May 28, 1924. Serial No. 716,887. 5 Claims. (Cl. 103—170.)



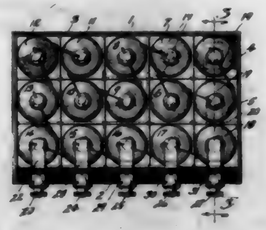
1. A pump including cylinders, pistons reciprocable in the cylinders, a reservoir mounted in position to discharge directly into the cylinders, valves between the reservoir and the cylinders, one of the valves being normally open and the other closed, and means actuated by the pistons for alternately opening the closed valve and closing the open valve.

1,533,334. CONDENSER. HERBERT OWEN RUSSELL and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,400. 6 Claims. (Cl. 250—41.)



1. An electrical condenser comprising a series of mica sheets, each of said sheets having a coating of material subject to the action of electrolysis such as lead oxide on one face thereof, an electrically deposited plate of copper on said coating.

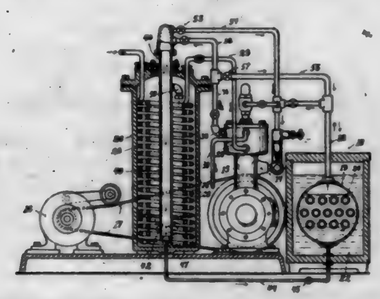
1,533,335. DRY-CELL-BATTERY UNIT. JAMES E. PEAVEY, Cincinnati, Ohio. Filed Nov. 10, 1923. Serial No. 673,925. 5 Claims. (Cl. 136—29.)



2. In a unit battery, a container, a sealing wall closure, a sub-container of cellular formation inside of said container for compactly grouping and separating a plurality of dry cells, said sub-container slotted at the bottom of one compartment, a service terminal in end wall closure, a conductor extending from the bottom of said compartment through slot between container and sub-container to said service terminal, and a plurality of dry cells.

5. A battery unit comprising a main container and a drawer-like sub-container placed and secured within the main container, the sub-container comprising a series of cell receiving vertical pockets spaced in relation to the cells providing an air chamber at their terminal ends, means unitarily securing the cells to the opposite end of the sub-container, means in the sub-container connecting the pocketed cells in series, and connecting means on the main container to provide service terminals for the unit.

1,533,336. REFRIGERATING APPARATUS. HENRY D. POWNALL, Canton, Ohio. Filed Oct. 18, 1924. Serial No. 744,501. 4 Claims. (Cl. 62—115.)



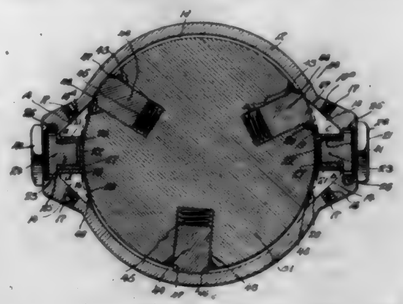
4. A refrigerating apparatus comprising a refrigerator member, a compressor, a condenser chamber into which heated gaseous refrigerant is discharged to be condensed and in which liquefied refrigerant is stored, a cooling coil through which condensing water is adapted to be circulated and into which heat from the heated refrigerant in the coindenser is exchanged, a conduit leading through said condenser chamber from the upper end thereof to near the bottom thereof and provided near its lower end with restricted exit ports to discharge heated gaseous refrigerant from the compressor in a finely divided state into said condenser chamber below the surface of the liquefied refrigerant therein, and provided inside of said condenser chamber and near the upper end thereof with a valve controlled port through which gaseous refrigerant from above the surface of the liquefied refrigerant therein may be conducted from the condenser chamber to the compressor, and valve controlled conduits through which gaseous refrigerant may be conducted selectively through said compressor from said refrigerator member to said condenser or from said condenser member to said refrigerator member.

1,533,337. PORTABLE STAGE. EVA THOMSON PURDY and CHAUNCEY ALLEN CORNELL, Detroit, Mich. Filed Dec. 14, 1921. Serial No. 522,450. 4 Claims. (Cl. 272—28.)



1. In a portable stage, the combination with a knock-down frame, of a knock-down cyclorama comprising a series of longitudinally curved plates, and vertical plates secured to said curved plates tangent to the curves, the curved plates being detachably secured to the top of said frame.

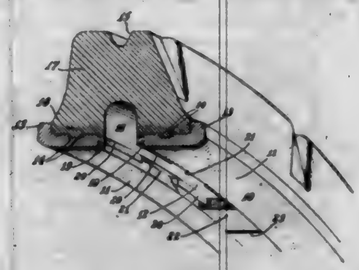
1,533,338. FLUID-OPERATED ROTARY DRIVING OR DRIVEN ELEMENT. GEORGE J. RAYNOR, Detroit, Mich. Filed May 25, 1921. Serial No. 472,462. 8 Claims. (Cl. 192—58.)



1. A mechanism of the character described including a rotor casing formed with a chamber in its wall, a rotor disposed within the casing having resiliently projected, radial blades, a member disposed in said chamber and movable toward or from the periphery of the rotor, the member being interiorly screw-threaded, the wall of said casing having an outwardly opening recess registering with said chamber, a pinion having a screw-threaded shank engaging the member and the pinion being disposed in the recess in the wall of the chamber, a plug adapted for the application of a wrench and disposed to close the outer end of said recess, a rack extending through the wall of the casing and meshing with the pinion, the rack being longitudinally shiftable, and manually operable means exterior to the rotor for shifting said rack.

1,533,339. CUSHION-TIRE STRUCTURE. ARTHUR A. ROBB, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Nov. 6, 1922. Serial No. 599,232. 4 Claims. (Cl. 152—1.)

2. A cushion tire structure comprising a pair of annular, spaced-apart base members, an arched rubber tire body having its legs respectively vulcanized to said base members, and a transversely split spacing ring mounted between said base members, and substantially flush therewith at the inner periphery, said base members and ring being formed with portions interlocking them as to both circumferential and lateral relative movement.

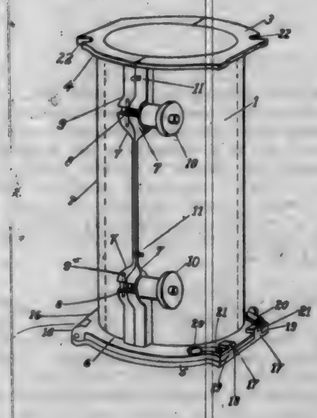


1,533,340. ATTACHING DEVICE FOR YARN-TUBE FRAMES. WILLIAM W. ROBERTSON, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 24, 1923. Serial No. 676,828. 12 Claims. (Cl. 139—11.)



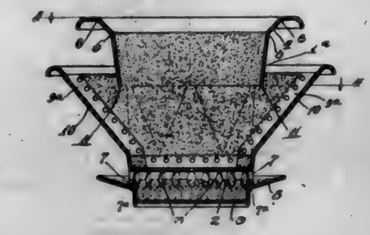
7. In a loom, tube frame transporting chains, a yarn tube frame, and devices for detachably securing said frame to said chains, each device comprising co-operating parts and a part of each securing device being permanently mounted on a transporting chain.

1,533,341. TEST MOLD. FRED RODLER, Cincinnati, Ohio. Filed Oct. 20, 1924. Serial No. 744,615. 4 Claims. (Cl. 25—121.)



1. A test mold comprising a base, a pair of side sections, means for hinging one of the sections to the base, means for detachably clamping the edges of the sections together to form a tubular structure, and means for clamping the other section to the base, for the purpose described.

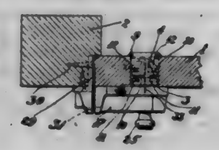
1,533,342. FLOWERPOT. AUGUST P. SCHEIN, Chicago, Ill. Filed May 25, 1923. Serial No. 641,336. 2 Claims. (Cl. 47—38.)



1. A flower pot, comprising a frusto conical body portion having a perforated bottom and depending legs, and an integral perforated channel member shaped to fit the sides and bottom of said body portion and removably inserted therein, said member forming in conjunction with the body portion walls a continuous conduit.

2. A flower pot, comprising a frusto conical circular central chamber, and a plurality of separate circumferentially spaced auxiliary chambers having symmetrically curved walls, said walls merging into the wall of the central chamber, and said chamber communicating with said central chamber, the upper edges of said auxiliary chambers being in the same plane but in a plane below that of the upper edge of said central chamber.

1,533,343. LOCK. SAMUEL SEGAL, New York, N. Y., assignor to Segal Metal Products Company, Inc., New York, N. Y., a Corporation of Delaware. Original application filed Aug. 10, 1921, Serial No. 491,100. Divided and this application filed May 10, 1922. Serial No. 559,712. 13 Claims. (Cl. 70—16.)



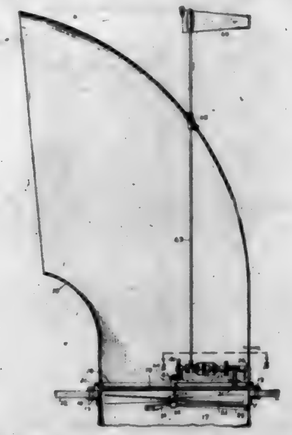
1. In a lock, a key plug, and an operating spindle adapted to be detachably connected to said key plug by a spring action.

13. In a lock, a lock casing containing the locking mechanism and provided with position-determining means, and a keeper provided with means adapted to register with said position-determining means whereby the proper relative position of said keeper as respects said casing may be determined.

1,533,344. SHIP-VENTILATOR COWL. WILLIAM H. SINGLETON, Canton, Ohio. Filed Oct. 15, 1924. Serial No. 743,752. 8 Claims. (Cl. 98—3.)

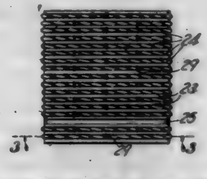
1. In apparatus of the class described, the combination of a cowl, a windmill arranged in said cowl and

operated by the air passing through the latter, mechanism for rotating said cowl, means for operatively



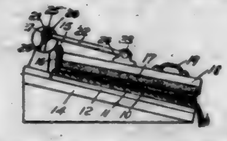
connecting said mechanism with said windmill, a device for controlling said means, and a vane located exteriorly of said cowl for controlling said device.

1,533,345. **FELT SHRINKING.** HERBERT MILLS SMITH, Farmington, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va., a Corporation of Virginia. Filed June 8, 1921. Serial No. 475,864. 4 Claims. (Cl. 28—5.)



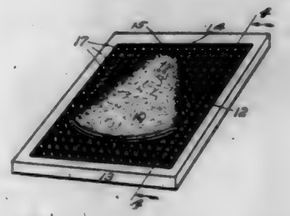
1. Shrinking means formed to act upon a fur-bat in flat unrolled condition, comprising a kneading member having a flat kneading surface provided with a multiplicity of soft yielding knuckles and placed together in close proximity, said surface adapted to engage flatwise against a flat bat, and a second kneading member co-operative with said first kneading member for repeatedly sinking the knuckles directly into the face of the flat bat and relieving the pressure to knead and shrink the bat throughout while it is held by one of said kneading members flatwise against the other one.

1,533,346. **FELT SHRINKING.** HOMER A. GENEST, Hartford, Conn., assignor, by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va. a Corporation of Virginia. Filed June 25, 1921. Serial No. 480,284. 6 Claims. (Cl. 28—14.)



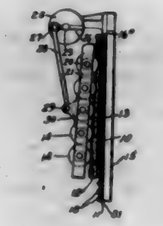
1. A felt-shrinking apparatus comprising a bed for a bat in a substantially flattened condition; a pad of sponge rubber and means to move it slightly to and fro upon said bat.

1,533,347. **FELT SHRINKING.** WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va., a Corporation of Virginia. Filed July 1, 1921. Serial No. 481,753. 9 Claims. (Cl. 28—5.)



1. A blanket for kneading a hot, wet, fur bat to shrink the same, comprising a sheet of soft vulcanized rubber, having thereon substantially pyramidal knuckles whose bases adjoin each other so that the aggregate of the projecting knuckles occupies practically the entire working area of the sheet.

1,533,348. **FELT SHRINKING.** FRANK F. CHUDOBA, Glastonbury, Conn., assignor, by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va., a Corporation of Virginia. Filed July 8, 1921. Serial No. 483,131. 7 Claims. (Cl. 28—6.)

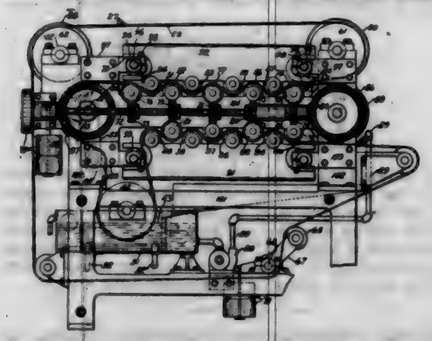


1. A bat-shrinking device comprising a rigid backing, a bed of yielding material mounted in surface engagement with said backing and provided with yielding knuckles placed close together to form substantially the entire working face of the bed, the latter constituting a support for a bat in a substantially flat condition, and a bat-kneading roll adapted to directly engage the bat, one of said elements being capable of relative travelling movement whereby co-operating flexing movements and movements of recovery are successively produced in the bat and the knuckles to cause vermicular actuation of the fibres of the bat.

1,533,349. **FELT SHRINKING.** HOMER A. GENEST, Hartford, Conn., assignor, by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va., a Corporation of Virginia. Filed Aug. 27, 1921, Serial No. 495,982. Renewed Feb. 4, 1925. 6 Claims. (Cl. 28—6.)

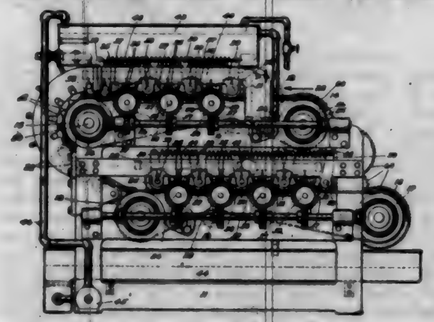
1. A bat-shrinking apparatus comprising two sets of cooperating rolls, the axes of the latter being so located that the rolls of one set are in overlapping relation to the rolls of the other set, and traveling pads guided

alternately over and under successive rolls and caused thereby to follow a wavy path, each of said pads comprising numerous elastic knuckles to knead a bat carried



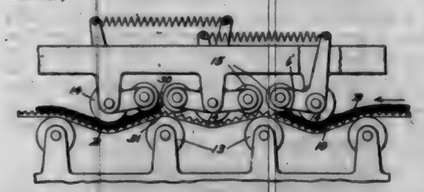
in a substantially flat condition between the pads, the aggregate of said knuckles occupying practically the entire working area of each pad.

1,533,350. **MACHINE FOR SHRINKING FELT ARTICLES.** HOMER A. GENEST, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 9, 1923. Serial No. 644,360. 31 Claims. (Cl. 28—6.)



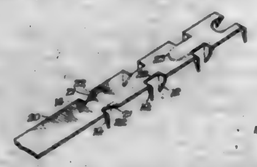
1. A bat shrinking apparatus comprising a bat carrying belt, guide rolls arranged to guide said belt in a wavy course, and pressure rollers in addition to said guide rolls bearing against said belt.

1,533,351. **PROCESS OF SHRINKING, ETC., FELT ARTICLES.** HOMER A. GENEST, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 9, 1923. Serial No. 644,361. 21 Claims. (Cl. 28—5.)



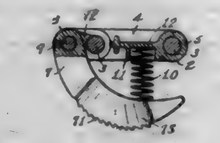
1. The herein described method of simultaneously shrinking, felting and crozing hat batts and the like, which consists in kneading the bat under pressure and while wet by a multiplicity of elastic knuckles and relatively shifting the plies of the bat by creating a wave in one of them and advancing the wave.

1,533,352. **METHOD OF MAKING PAPER-BOX FASTENERS.** LOU W. SMITH, Chicago, Ill. Filed Aug. 3, 1920. Serial No. 401,036. 4 Claims. (Cl. 153—2.)



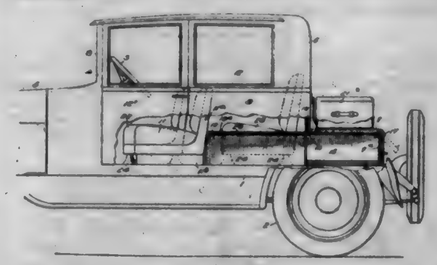
1. The method of constructing box fasteners out of a continuous strip of metal which comprises making lateral incisions in the edge of the strip and punching prongs for said fasteners by folding backwardly the metal adjacent said lateral incisions, and punching tongues on said fasteners from substantially the entire metal between said lateral incisions.

1,533,353. **FEED CONVEYER FOR PLANERS.** PHILIP J. SMITH, Saginaw, Mich. Filed May 24, 1924. Serial No. 715,578. 2 Claims. (Cl. 198—170.)



2. An endless feed conveyer chain comprising dog carrier links, each said link being provided with rearwardly projecting dog carrying ears, a feed dog, a pivot therefor and lateral rear bosses, and a sprocket wheel with teeth disposed to engage said bosses.

1,533,354. **VEHICLE BODY.** EDWARD J. STAHL, Cleveland, Ohio, assignor to The Baker R. & L. Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 25, 1923. Serial No. 634,578. 3 Claims. (Cl. 296—24.)

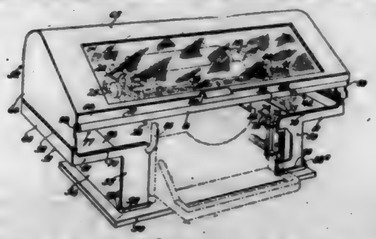


1. In a vehicle, the combination of a main body portion, a tail portion, and a compartment extending from the rear end of the tail portion inwardly into the main body portion, said compartment having openings leading thereinto from the exterior and interior of said main body portion.

1,533,355. **TYPEWRITING MACHINE.** BURNHAM C. STICKNEY, Elisabeth, N. J. Filed May 10, 1921. Serial No. 468,257. 27 Claims. (Cl. 197—186.)

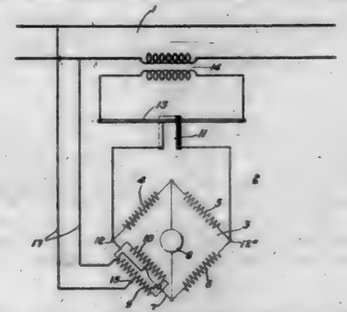
1. The combination with a typewriting machine, of a sound-deadening casing for the machine, said casing comprising a lower body-part and an upper cover-part hinged at the rear to said body-part, said body-part

comprising a front wall, said front wall having an opening to permit the insertion of the machine in said casing, a front cover-plate releasably mounted on said front



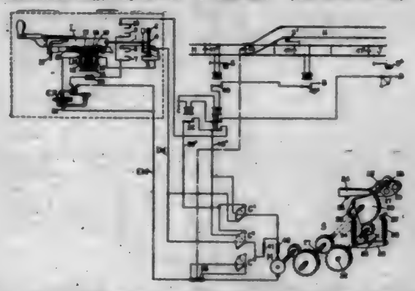
wall for closing said opening, and for pressing against the front of the machine-frame to hold the machine in position, and holding means for said cover-plate lying wholly within said casing.

1,533,356. ELECTRICAL MEASURING INSTRUMENT. VICTOR H. TODD, Rainbow Lake, N. Y. Filed May 3, 1919. Serial No. 294,568. 12 Claims. (Cl. 171—95.)



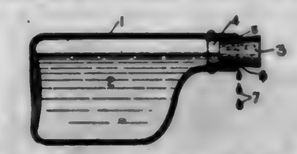
12. A measuring device for alternating current circuits comprising a Wheatstone bridge, means for changing the balance of the bridge in accordance with one alternating-current-circuit quantity and means for energizing the bridge in accordance with another alternating-current-circuit quantity.

1,533,357. RAILWAY SIGNALING SYSTEM. FRANK BENEDICT, Philadelphia, Pa., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Nov. 18, 1922, Serial No. 601,835. Renewed Mar. 5, 1925. 7 Claims. (Cl. 244—138.)



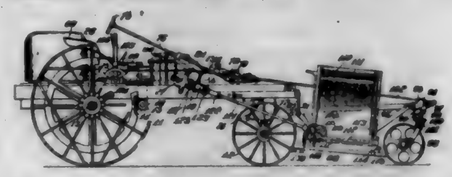
1. In a semi-automatic signaling system of the type described including an electric motor and operating circuits therefor, the combination of a track switch operated circuit controller having a contact included in one of said circuits, and means operated automatically by said signal for establishing a shunt for said contact in one indicating position of said signal.

1,533,358. SIDENECKED DROPPING BOTTLE. HENRY WEST, Oakland, Calif. Filed Jan. 14, 1924. Serial No. 686,026. 1 Claim. (Cl. 215—58.)



A bottle having its neck curved to one side other than its center, whereby the pressure of the liquid at the dropping surface is reduced, thereby obtaining a slow rate of dropping, and having a groove or channel in its neck to admit air into the bottle, and also having a similar groove or channel in its neck to permit liquids in the bottle to escape in combination with a cork.

1,533,359. HARVESTING MACHINE. CHARLES E. WHITE, Moline, Ill. Filed Oct. 14, 1918. Serial No. 258,007. 3 Claims. (Cl. 56—23.)



1. A harvesting machine comprising a tractor frame having propelling means at the rear and dirigible wheels at the front, a transversely disposed power shaft on said frame, a transverse bar secured to the front of said frame, a harvester frame disposed transversely in front of said tractor frame and having upwardly extending arms pivotally connected with said bar, a sickle bar at the front of said harvester frame, a longitudinally extending shaft operatively connected with said sickle bar and with said power shaft, for driving said sickle bar from said power shaft, a caster wheel disposed in front of the harvester frame at one side of said sickle bar, said harvester frame being adjustably supported by said caster wheel, and means operable from the tractor frame for vertically adjusting the harvester frame relatively to said caster wheel.

1,533,360. AUTOMOBILE LIGHT. WILLIAM H. WOOD, South Euclid, Ohio. Filed Dec. 17, 1924. Serial No. 756,495. 13 Claims. (Cl. 176—26.)



1. A lamp bulb for the purpose described comprising a base, a pair of leading-in wires projecting therefrom, and a plurality of simultaneously usable filaments connected across said leading-in wires cross-wise of the lamp axis, said filaments substantially defining a single, plane, lattice and said leading-in wires being so deflected relative to the lamp axis that the plane of said lattice is oblique thereto.

1,533,361. SPARKING RATTLE. LOUIS V. ARONSON, Newark, N. J. Filed Feb. 6, 1924. Serial No. 691,002. 3 Claims. (Cl. 46—46.)

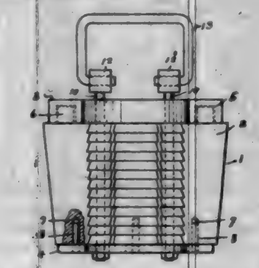
1. A sparking rattle comprising, in combination, a handle, a stationary rattle member rigidly carried thereby, a weighted revoluble element mounted thereon, a spring retracted rattle member carried by said weighted

element, a disk carried by one of said members, an abradant surface upon said disk, a pyrophoric element carried by the remaining member, means for pressing said pyrophoric element against said abradant surface,



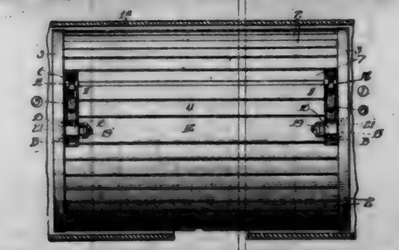
whereby normal relative movement between said pyrophoric material and said abradant material caused by revolution of the weighted element is increased by movement of the rattle member.

1,533,362. ROTARY SLIP. WHITNEY C. BABIN, Beaumont, Tex. Filed Mar. 17, 1924. Serial No. 699,959. 11 Claims. (Cl. 24—263.)



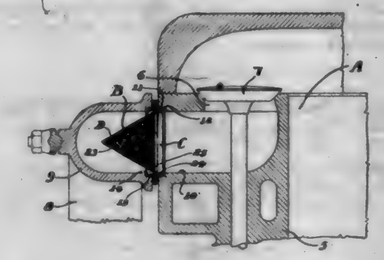
1. A rotary slip formed of independent sections, each section including a cage composed of an arcuate upper member formed with a bearing, and a lower arcuate member, a rod anchored to the lower member and fitted loosely through said bearing and forming means for handling said sections, a plurality of pipe engaging jaws mounted between said members.

1,533,363. WASHING MACHINE. FRITZ BALZER, Moline, Ill., assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill., a Corporation of New York. Filed Feb. 5, 1923. Serial No. 616,875. 10 Claims. (Cl. 217—37.)



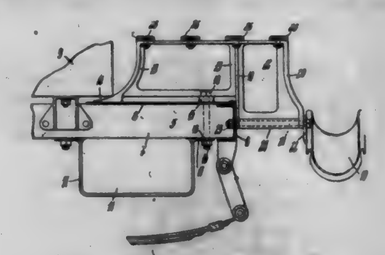
1. A washing cylinder comprising a cylindrical portion having a swinging door hinged about an axis parallel with the axis of said cylindrical portion, said swinging door being sunk below the peripheral surface of the remainder of said cylindrical portion, said swinging door being provided with a hinge and a latch portion, both located within the peripheral contour of said cylindrical portion.

1,533,364. CHARGE VAPORIZER FOR MANIFOLD BRANCHES. GEORGE HARTWELL BARROTT, Shelburne Falls, Mass., assignor to Barrott Stamping Company, Shelburne Falls, Mass., a Corporation of Massachusetts. Filed Feb. 18, 1922. Serial No. 537,611. 4 Claims. (Cl. 48—180.)



1. As a new article of manufacture, a charge mixing device comprising a gasket including companion sections consisting of base flanges and right angularly extending flanges, one of the outwardly extending flanges being bent over the other outwardly extending flange, a packing interposed between the outwardly extending flanges, a gauze cone having its base portion disposed between the base flanges or one of the sections of the gasket, one of said base flanges being provided with an inclined extension engaging the inclined base portion of the cone.

1,533,365. TRUNK-RACK BRACKET. HAROLD M. BATER and CLARENCE A. GLENTWORTH, Manchester, Mass. Filed May 1, 1924. Serial No. 710,268. 7 Claims. (Cl. 224—29.)

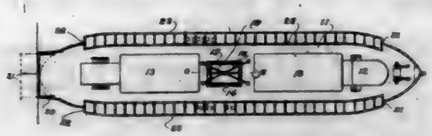


1. A trunk rack bracket embodying a vertical frame adapted to be positioned upon the rear end of an automobile chassis, a foot extending forwardly therefrom and adapted to project beneath and contact with the body of said automobile, a vertical flange projecting laterally from the rear portion of said bracket, and means to clamp said flange to the rear face of the rear cross beam of an automobile chassis.

1,533,366. COMBINED PLEASURE AND FISHING BOAT. CHARLES G. BATHE, Alhambra, Calif., assignor of one-eighth to Minnie H. Watson, Los Angeles, Calif., and one-eighth to Nathaniel W. Wiedrick, Long Beach, Calif. Filed Aug. 21, 1924. Serial No. 733,294. 9 Claims. (Cl. 114—0.5.)

1. The combination, with a boat, of a series of partitions arranged along the gunwales of said boat to form

a series of separate compartments, a receptacle within each compartment, which receptacle is provided with a



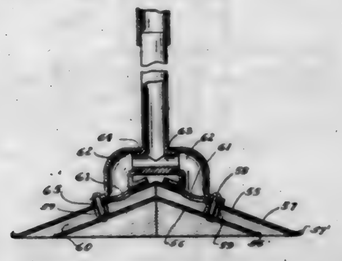
live bait compartment and a caught fish compartment, and means for effecting a constant flow of fresh water through said receptacle.

1,533,367. PAPER CLIP. HARRY R. BAYLIS, Seattle, Wash. Filed Oct. 6, 1923. Serial No. 666,956. 2 Claims. (Cl. 24—261.)



1. A paper-clip equally operable from either end, comprising a single piece of resilient wire bent to provide an elongated body having spaced parallel side portions, one of the side portions including the two free ends of the wire which overlie and extend in parallel relation, and a reentrant substantially V shaped paper-engaging member at each end of the body adapted to, in cooperation with the body, slidably engage and contact approximately flush with the adjacent edge portions of paper secured together by said clip.

1,533,368. NOZZLE. FREDERICK A. BERG, Chicago, Ill. Filed Nov. 18, 1921. Serial No. 516,097. 3 Claims. (Cl. 15—155.)



1. An apparatus of the character described including suction means, a nozzle communicating with said suction means, said nozzle comprising members disposed one within the other and held in spaced relation, the outer edges of the floor engaging portion of the inner of said members being upwardly turned and forming a trap.

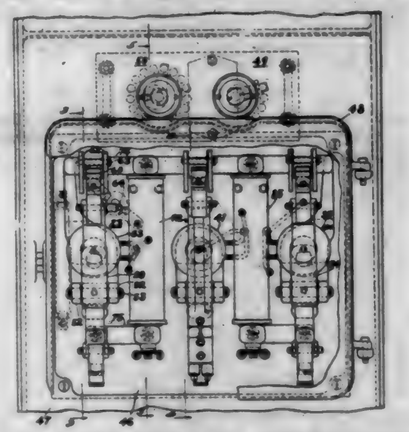
1,533,369. THREAD-GAUGE CONSTRUCTION. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 3, 1921. Serial No. 489,501. 2 Claims. (Cl. 33—178.)

1. A thread gauge having a notch formed in one convolution of the gaging thread thereof at the juncture of the starting portion of the thread with the full thread portion thereof, the notch being so formed as to provide



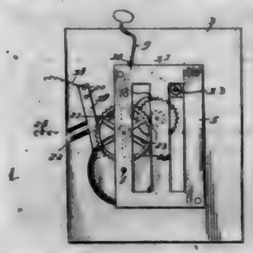
a sharp shoulder at the beginning of the full thread portion of the gaging thread.

1,533,370. SWITCH MECHANISM. HAROLD L. BLOOD, Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Original application filed Jan. 31, 1920, Serial No. 355,318. Divided and this application filed May 11, 1921. Serial No. 468,576. 12 Claims. (Cl. 200—98.)



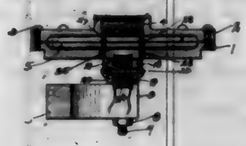
1. In a switch mechanism, the combination comprising a switch lever pivoted intermediate its ends, a contact member mounted on each end of said lever, stationary contact members co-acting with said movable contact members, a main magnet for operating the switch lever to close one set of said contact members, and means comprising a supplemental magnet for opposing the action of the main magnet on said lever and for blowing out the arcs formed at certain of the contact members.

1,533,371. ELECTRIC-LIGHTING APPARATUS FOR CHRISTMAS TREES AND THE LIKE. JOHN H. BOYD, Mount Vernon, N. Y. Filed Apr. 15, 1922. Serial No. 552,913. 1 Claim. (Cl. 161—1.)



An intermittently actuated electric apparatus including a clock work mechanism of electric conducting material embodying a coil spring, a source of electrical energy, an electric circuit connected to said source, a resilient contact member connecting one portion of the circuit and engaging the edges of the coil spring whereby the engaging surfaces are retained clean by the relative movement between the coil spring and contact member due to the contraction and expansion of said coil spring, and a member connected to another portion of said circuit and cooperating with the spokes of one of the clock work mechanism wheels for intermittently making and breaking the circuit.

1,533,372. LOUD SPEAKER. CECIL E. BRIGHAM, East Orange, N. J., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1924. Serial No. 720,067. 6 Claims. (Cl. 179—119.)



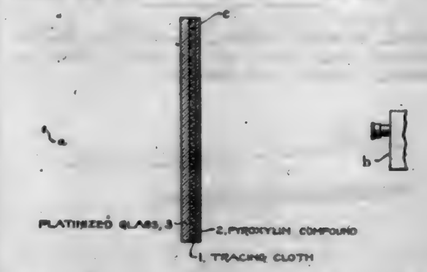
1. An electromagnetic sound reproducer comprising in combination a casing, a permanent horseshoe magnet, a pole piece secured to the extremity of each side of said horseshoe magnet, a pair of pole members attached to each of said pole pieces, each having extensions directed toward each other in overlapped relationship with their faces spaced apart, an electromagnetic winding having a hollow core, a diaphragm carried in said casing, an armature arranged to freely float within said hollow core and extending between said pole pieces and connections between extremities of said armature and said diaphragm for imparting movement to said diaphragm.

1,533,373. STARTING MECHANISM FOR AUTOMOBILES. ODILON BRISBOIS, Chicago, Ill. Filed Aug. 2, 1922. Serial No. 579,168. 7 Claims. (Cl. 74—7.)



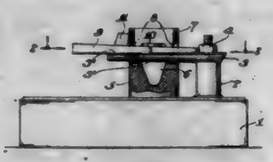
1. In an engine starter, a freely floating driving shaft longitudinally balanced between two opposed forces susceptible of being unbalanced by slight variations, a driving pinion mounted upon said shaft for longitudinal movement thereof and rotary movement therewith, and means for causing a longitudinal movement of said shaft in a direction opposed to the movement of said pinion when traveling into meshing relation to reduce the longitudinal speed of said pinion into meshing relation.

1,533,374. PROJECTED-LIGHT PICTURE SCREEN. AUSTIN DAY BRIXEY, Greenwich, Conn., assignor to The Replitura Corporation, a Corporation of New York. Filed Aug. 27, 1920, Serial No. 406,395. Renewed Apr. 4, 1924. 5 Claims. (Cl. 88—24.)



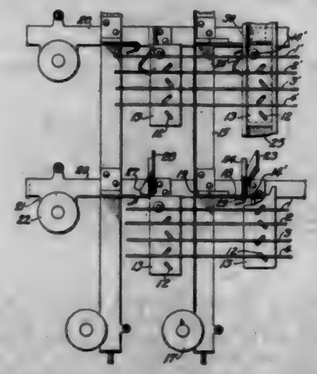
1. A picture screen for projectors of the transmission type comprising a compound of amyl acetate, alcohol, pyroxylin, a white pigment, camphor, fusel oil and benzine as a light diffusing medium.

1,533,375. CORE-FORMING APPARATUS. THOMAS HAROLD BROWN, Philadelphia, Pa., assignor to E. E. Brown & Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 29, 1923. Serial No. 659,886. 5 Claims. (Cl. 22—13.)



1. Core forming apparatus comprising a core box having an apertured wall and oppositely tapered molding bars independently movable longitudinally through said wall.

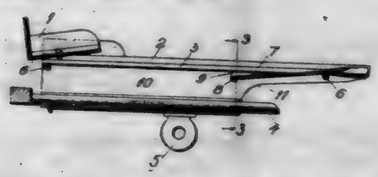
1,533,376. AUTOMATIC TELEPHONE SWITCH. FREDERICK J. BROWNELL, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 11, 1922. Serial No. 560,011. 12 Claims. (Cl. 179—27.5.)



1. The combination in a switching mechanism, of cooperating active and passive contacts, an operating card through which said active contacts pass, a movable support for said operating card, an operating member

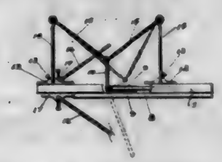
normally movable in a path ineffective to engage said support, and resilient means for causing said operating member to deviate from its path to engage said support and cause the actuation of the active and passive contacts.

1,533,377. EGG SEPARATOR. ARCHER EARL BRUFFER, Portland, Oreg. Filed Dec. 4, 1924. Serial No. 753,818. 1 Claim. (Cl. 146—2.)



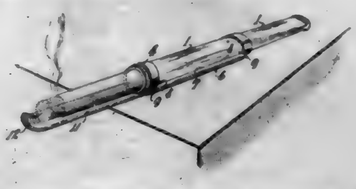
In a device of the character described, the combination of an inclined chute, having a slot at the longitudinal center line extending part ways down the chute, with a tongue rigidly affixed to the under side of the chute across the slot, said tongue beginning at substantially one-half the effective length of the slot in spaced relation to the chute and converging with said chute at the lower terminal of the slot, the diverging edge of the tongue being blunted, one longitudinal edge secured to the chute, the other longitudinal edge remaining unobstructed.

1,533,378. SWINGING CLOSURE. JOSEPH F. BUNKERS, Remsen, Iowa. Filed May 14, 1923. Serial No. 638,778. 4 Claims. (Cl. 20—16.)



1. In a device of the class described, a door frame, a rotatable upright within and adjacent one side of the frame, a door fixed to the upright, an arm on the upright extending at substantially right angles to the door, bracket arms on opposite sides of the frame, and retracting springs between said first-mentioned arm and the bracket arms.

1,533,379. SMOKING APPLIANCE. EMIL C. BUNTE, Portland, Oreg. Filed Nov. 26, 1923. Serial No. 677,067. 3 Claims. (Cl. 131—51.)



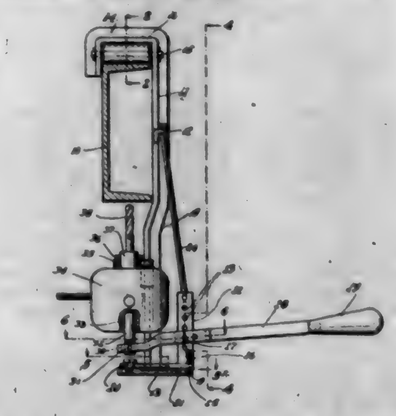
1. A device of the class described comprising a trough shaped guide member, bands secured to the guide member and adapted to grip a cigarette holder within the limits of its ends with retaining friction, and a slide member slidably collapsible into and extensible from the guide member and having an upturned end adapted for retaining ashes when extended and for engaging the holder when collapsed to prevent inadvertent removal of the device from the holder.

1,533,380. COMBINATION HAIR COMB AND BARRETTE. JACOB BURKHART, Elmhurst, Pa. Filed Mar. 17, 1924. Serial No. 699,826. 2 Claims. (Cl. 132—46.)



1. A combination hair comb and barrette comprising a pair of spaced substantially concentric resilient backs connected with each other at their ends, inner and outer series of substantially straight teeth projecting inwardly from said backs and disposed in a plane determined by the curvature of said backs, the teeth of each series converging throughout their lengths toward their free ends to grip the hair, said teeth being movable away from each other when the backs are jointly straightened to some extent.

1,533,381. PORTABLE DRILL. EDWARD L. BURTON, Sandwich, Ill. Filed June 8, 1923. Serial No. 644,112. 7 Claims. (Cl. 77—6.)



1. A device of the character described comprising a frame including a base member and upright members having hook portions for suspending the frame; a power driven machine provided with a recess in its bottom; a supporting member pivotally mounted on said base member on a pin in line with the axis of said machine; an upright on said supporting member; a lever adjustably mounted on said upright and having a pin pivoted to its forward end and engaging in said recess, said lever and upright being swingable laterally towards said frame; and means slidably mounted on said frame for guiding said machine in its vertical movement.

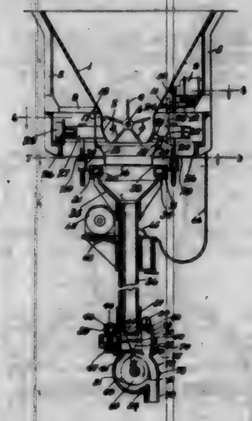
1,533,382. TYPEWRITER RIBBON. CHARLES CAMPBELL, New York, N. Y. Filed Dec. 6, 1923. Serial No. 679,039. 3 Claims. (Cl. 197—172.)



TYPEWRITER RIBBON

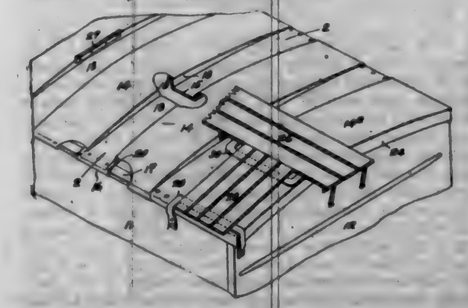
1. A typewriter ribbon composed mainly of cellulose fibres having a negative test with phloroglucinolhydrochloric acid, and comprising a narrow felted strip of substantially uniform width and thickness impregnated with ink.

1,533,383. MOLDING-SAND-HANDLING MACHINE. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Nov. 13, 1922. Serial No. 600,687. 6 Claims. (Cl. 22—56.)



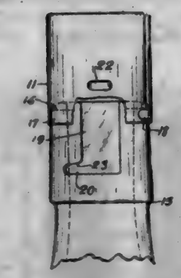
1. In a machine of the class described, a sand holding bin having a delivery opening in its lower side, means for delivering measured quantities of sand from the bin through said opening, a circular track mounted around and adjacent the lower part of the bin, a ring movably mounted on the track to move about a vertical axis, a frame supported by and below the ring, a second frame within the first frame mounted thereon to turn about a horizontal axis, a third frame within the second frame mounted to turn about a horizontal axis at right angles to the first mentioned horizontal axis, a downwardly extending extension to the third frame having converging sides, a tube connected to and depending from the lower end of said extension, a housing connected to the lower end of the tube, a screw conveyer in said housing located horizontally across the lower end of the tube, an extension to the housing below the conveyer having an outlet and an inlet into which the conveyer moves sand from the tube, and a sand throwing wheel rotatably mounted in the said housing extension and formed with outwardly projecting fingers for engaging with the sand fed thereto to throw the same outwardly through the outlet, substantially as described.

1,533,384. METAL CAR ROOF. ARTHUR J. CANFIELD, Chicago, Ill., and ERNEST R. V[illegible], Montreal, Quebec, Canada. Filed Dec. 1, 1921. Serial No. 519,202. 4 Claims. (Cl. 108—54.)



1. In a car roof, a transverse member comprising a central web, upstanding flanges at the edges of said web, said flanges decreasing in height from the centre towards the end of the web, and terminating a short distance from each end of the web, and lateral flanges on the upstanding flanges folded upon themselves to present grooves.

1,533,385. RECEPTACLE CLOSURE. LESLIE R. N. CARVALHO, Toledo, Ohio, assignor to The Closure Service, Company, Toledo, Ohio, a Corporation of Ohio. Filed June 4, 1923. Serial No. 643,351. 12 Claims. (Cl. 215—38.)

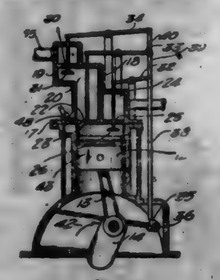


1. The combination with a container, of a cap therefor comprising an attaching means by which the cap is originally attached to the container, said attaching means being separable from the body of the cap to permit removal of the cap, a second attaching means by which the cap may be attached to the container after the original attaching means has been removed, said second attaching means being maintained out of attaching position during the original positioning and attachment of the cap to the container.

1,533,386. CLEANING AND POLISHING COMPOSITION. JOHN E. CATLETT, San Francisco, Calif. Filed June 12, 1923. Serial No. 644,965. 1 Claim. (Cl. 87—5.)

A cleaning preparation including ashes of rice husks, commercial soap powder, cane sugar, salt (NaCl) and a binder combined with sufficient water to make a paste.

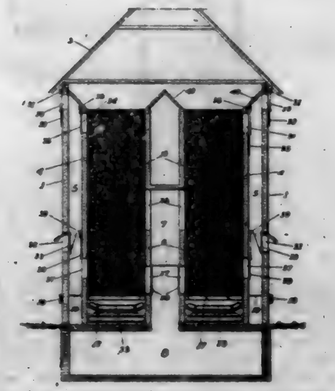
1,533,387. SUSTAINED EXPLOSION GAS ENGINE. ALONZO E. CHAPMAN, Los Angeles, Calif. Filed Nov. 5, 1923. Serial No. 672,849. 5 Claims. (Cl. 123—37.)



2. In an engine, the combination of: a cylinder; a piston operating in said cylinder; walls forming a secondary chamber at head or upper end of said cylinder; valve means of control of communication between said cylinder and said secondary chamber; valve means of exhausting the consumed gases from said secondary chamber and from said cylinder through said secondary chamber to the open air, such valve means to close the communication between said cylinder and said secondary chamber during the suction stroke, and such exhaust valve means to open air from said secondary chamber to

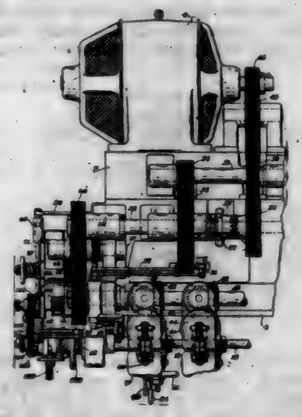
remain open until the beginning of the compression stroke to further reduce the amount of consumed gases remaining in said secondary chamber for the purpose of obtaining more perfect ignition in the following power stroke.

1,533,388. DEHYDRATOR FOR NUTS AND THE LIKE. FRANK C. CHAPMAN, Modesto, Calif. Filed Apr. 7, 1924. Serial No. 704,688. 20 Claims. (Cl. 34—34.)



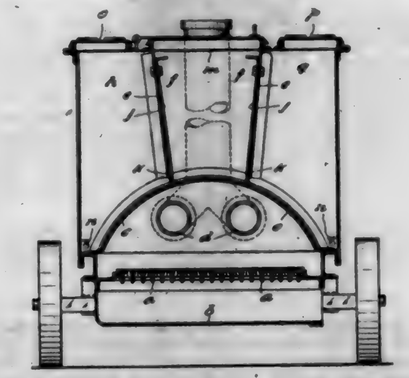
1. A dehydrator including a plurality of vertical bins arranged in parallel and spaced relation, and means for passing air through said bins from bottom to top thereof, and also alternately from a point centrally of the height thereof to both the upper and lower ends.

1,533,389. MULTIPLE DRILL. LYNDON C. COLE, OTTO PABST, and CARL MAY, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 26, 1922. Serial No. 609,113. 18 Claims. (Cl. 10—139.)



3. In a drilling machine, the combination of a cross rail, a plurality of drill heads slidably mounted thereon, a drill spindle mounted for axial movement in each head, a feed shaft extending along the cross rail and operatively connected with the spindles for feeding the same axially, a power element, and two optional driving connections between the power element and the feed shaft, one of said connections being adapted to feed the spindles for drilling and the other connection being adapted to feed the spindles for tapping.

1,533,390. APPARATUS FOR HEATING BITUMEN, TAR, AND OTHER SUBSTANCES. FRANK COLEMAN, Derby, England. Filed Sept. 15, 1924. Serial No. 737,662. 8 Claims. (Cl. 126—343.5.)



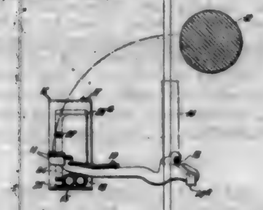
1. Apparatus for heating bitumen, tar, and other substances, comprising in combination a liquid container, means for heating said container, divisional walls in said container forming a number of chambers, communicating passages between said chambers and adjustable means for controlling said passages.

1,533,391. RADIANT GAS LOG. JAMES P. CONROY, East Orange, N. J., assignor to The Con-Den-Rit Radiant Log Corporation, Perth Amboy, N. J., a Corporation of New Jersey. Filed July 9, 1921. Serial No. 483,480. 3 Claims. (Cl. 126—92.)



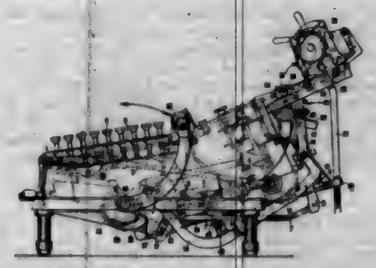
1. A gas log comprising in its constretion a body having a lower member, an upper member and a recess in its front wall between the upper and lower members, a radiant back wall in said recess, a removable radiant front wall in said recess continuing the front of the body and spaced from the back wall so as to form a combustion chamber therebetween, and gas burners leading into the bottom of the combustion chamber, the radiant front wall being formed with extensive and irregular longitudinal openings separated by a net work of irregular longitudinal ridges, so that the flaming gases issuing from the combustion chamber through the front openings will heat to incandescence the radiant back wall and the net work of radiant longitudinal ridges in the open-work front wall and highly effective heat rays as well as attractive light rays will thus be projected forwardly from between the upper and lower members of the gas log.

1,533,392. TYPE-BAR REST. CORNELIUS B. CORCORAN, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 21, 1922. Serial No. 576,416. 2 Claims. (Cl. 197—42.)



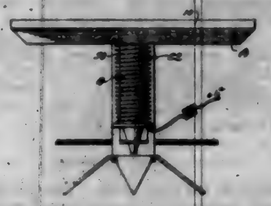
1. A type-rest comprising a plurality of helices laid alongside and in partial interlockment with one another.

1,533,393. PRINTING MECHANISM FOR THOMAS CALCULATING MACHINES HAVING A KEY ADJUSTMENT. HUGO CORDT, Berlin, Germany, assignor to Carl Lindström Aktiengesellschaft, Berlin, Germany. Filed Oct. 27, 1922. Serial No. 597,402. 5 Claims. (Cl. 235—60.)



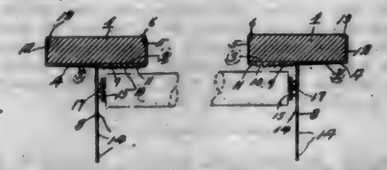
1. Printing mechanism for Thomas calculating machines with keyboard adjustment and in which printing type wheels disposed in an oscillatory frame are advanced against the platen, comprising adjusting levers, adjusting wheels, printing type wheels and driving segments, said adjusting levers for the adjusting wheels having graded sectors for the values 1 to 9 to limit the stroke of the said driving segments of the printing type wheels and a bar oscillatably supported in the frame of the machine and provided with slide pieces which are movably supported thereon, the said graded sectors co-operating with said bar.

1,533,394. FIRE-ALARM APPARATUS. MICHAEL COSTELLO, Jersey City, N. J. Filed Nov. 21, 1923. Serial No. 676,091. 9 Claims. (Cl. 200—142.)



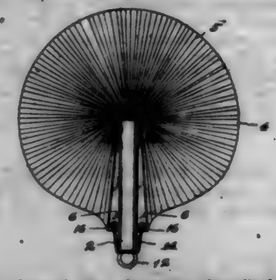
2. A safety switch comprising a support, a bracket carried by the support, a fixed contact supported by the bracket having an opening therein, a movable contact, means normally urging the movable contact into the opening of said fixed contact, and a destructible member adapted to be supported by said bracket on the opposite side of said fixed contact with respect to said movable contact adapted to engage the latter whereby to support it out of engagement with the fixed contact, said movable contact upon destruction of said destructible members adapted to engage the fixed contact for closing a circuit.

1,533,395. SHADE AND CURTAIN BRACKET. EARL CROSER, Council Bluffs, Iowa, WILLIAM BROWN, Omaha, Nebr., and CHARLES LENZ, Council Bluffs, Iowa. Filed Sept. 10, 1924. Serial No. 736,897. 3 Claims. (Cl. 156—24.)



1. A curtain bracket comprising a horizontal body member adapted to engage a window frame facing, notched flanges carried by the upper and lower sides of the body member, a facing engaging arm carried by one end of the body member, an outwardly extending shade and curtain pole supporting arm carried by the other end of the body member, an adjustable arm extending through a vertically elongated slot in the shade and pole supporting arm and disposed between the notched flanges of the body member, said adjustable arm being provided with a vertically disposed pin adapted to be received and held by the notched flanges of the body member, an angularly disposed toothed arm carried by the adjustable arm and adapted to engage the outer side of a window facing, said body member and shade and curtain supporting arm and notched flanged being formed from a single piece of metal bent to form.

1,533,396. FAN. LILLIAN M. DARNEY, Kansas City, Kans. Filed Nov. 6, 1924. Serial No. 748,174. 2 Claims. (Cl. 230—33.)



1. In a fan of the character described, a foldable body portion, a tubular element for supporting said body portion while in operative position and into which said body portion may be folded to inoperative position, an elastic attached to the body portion to adjust the same to operative position, and a stop to limit the inward movement of the body portion when the same is drawn into the handle.

1,533,397. COVER FOR SPRINGS. CHARLES ALBERT DAVIS and HOWARD L. MCCLOY, Stauffer, Pa. Filed Aug. 21, 1923. Serial No. 658,552. 1 Claim. (Cl. 267—37.)

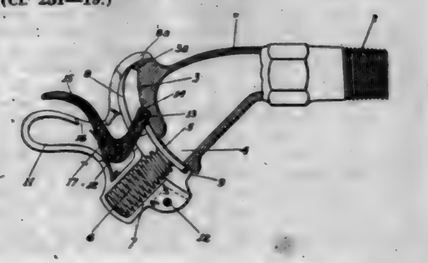
The combination with a semielliptic vehicle spring, clip ends carried by the spring adjacent the ends thereof at opposite sides of the spring, of a cover for said

spring, said cover comprising an elongated body portion engaging the upper side of the spring, side members carried by said body portion and engaging the sides of the spring, members carried by the side portion adapted to underlie the spring and provided with recesses for the reception of the clip ends, a flap secured to one



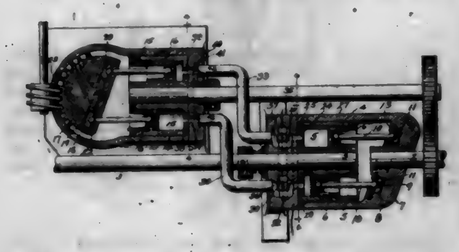
of the side portions and engaging the under side of the spring and disposed between the spring and the portions of the sides which underlie the spring and provided with apertures in registration with the recesses for the reception of the clip ends, and lacings connecting the underlying portions of the sides.

1,533,398. SAFETY-LOCK FAUCET. GEORGE W. DEMAN and JOSEPH A. MONIGHAN, Sacramento, Calif. Filed Oct. 1, 1923. Serial No. 665,886. 4 Claims. (Cl. 251—19.)



1. In combination with a faucet having a body provided with an outlet in one face thereof, a gate slidable over said face to cover or uncover the outlet, and a hollow handle member in which the gate is mounted normally enveloping the outlet-face of the body, a catch member mounted in the handle above the gate and engaging the body-face when the gate is closed, and a releasing member for said catch member extending through and above the handle and depressible theretoward to release the catch, the gate being opened by a movement of the handle in an upward direction.

1,533,399. MEANS FOR TRANSMITTING POWER. ROBERT H. DUNLAP, Washington, D. C. Filed Feb. 6, 1920. Serial No. 356,692. 5 Claims. (Cl. 60—53.)



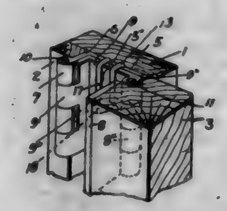
2. In means for transmitting power, a drive shaft, a driven shaft, and a variable speed fluid clutch therebetween, comprising a power transmission unit including a member fast on the driven shaft and having cylinders and pistons, and a member fast on the drive shaft and adapted to differentially operate said pistons, and means connecting the cylinders and including a speed controlling unit, two conduits, and a body of fluid contained in said conduits and in both units, said controlling unit being adapted to receive and separate a charge of fluid from one of said conduits and transfer said charge to the other conduit and including a member having cylinders and pistons and a member adapted to differentially operate the pistons and adjustable to vary the throw of the pistons to vary the velocity of the fluid and thereby to vary inversely the speed of the movement transmitted, one member being stationary and the other fast on the drive shaft.

1,533,400. SHUTTLE GUARD FOR LOOMS. WILLIAM G. FISHER, Sunbury, Pa. Filed Apr. 10, 1923. Serial No. 631,156. 2 Claims. (Cl. 139—193.)



1. In a loom, the combination with the hand rail, of downwardly curved brackets rigidly connected to the hand rail, and deflectors secured to said brackets extending downwardly and outwardly in the direction of the length of the hand rail of longitudinal fixed rods connected to and extending between said brackets, and a plurality of longitudinal rods secured to end plates which are hinged to one of the fixed rods, and means for locking the said movable rods in operative position.

1,533,401. LOCKING DEVICE FOR HINGES. ETTA FLORENCE GALE, Toronto, Ontario, Canada. Filed July 14, 1924. Serial No. 726,017. 5 Claims. (Cl. 16—163.)

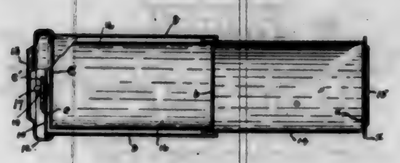


1. In a hinge locking device, the combination with a stationary member and movable member, a hinge leaf secured to the stationary member having a vertically grooved inner face, a hinge leaf secured to the movable member, and an intermediate hinge leaf pivotally connecting the hinge leaves of the stationary and movable members together, of a locking device formed by a rod member bent into inverted U shape form, one arm of which is slidable within the vertical grooved portion of the leaf of the stationary member and the other arm of which is adapted to be carried into and out of engagement with the outer face of the intermediate member when the locking device is slid vertically.

1,533,402. TRICK MATCH BOX. ALEXIS F. GILLET, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr., a Corporation. Filed Aug. 7, 1922. Serial No. 580,079. 4 Claims. (Cl. 206—1.5.)

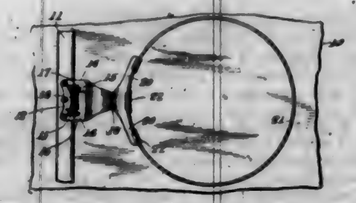
1. A receptacle having a cap below its bottom and an aperture in its bottom communicating with the cap, a drawer having a [illegible] and movable in the receptacle

to move its hook through the aperture into the cap, a locking-bar having an arm and pivotally mounted on said bottom to permit it to swing in a circle's arc for engag-



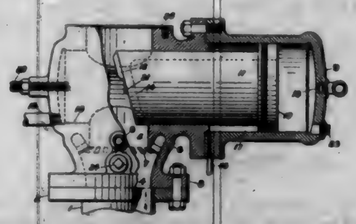
ing the hook, its arm moving into engagement with the wall of the cap, and to permit it to swing in a circle's arc for disengagement with said hook.

1,533,403. HAT SUPPORT. BENJAMIN GOLDBERG, New York, N. Y. Filed Feb. 19, 1924. Serial No. 693,802. 3 Claims. (Cl. 15—13.)



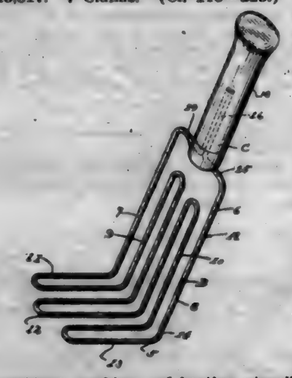
1. A hat holding device comprising a plate, ears formed on said plate, a second plate, ears formed on said second plate, a hinge forming pin journaled in all said ears, spring means for resiliently supporting one plate in relation with the other, a depending loop on the second plate, lateral extensions formed on the forward portion of the second plate, a hat supporting ring, fingers formed on said extensions for securing the ring on the extensions and the forward portion of the second plate, and a net secured to the hat ring providing a receptacle for the hat.

1,533,404. EMERGENCY CONTROL VALVE. DAVID H. GREEN, San Francisco, Calif. Filed Sept. 18, 1922. Serial No. 588,835. 9 Claims. (Cl. 166—15.)



1. An oil well closure operable by the force of its moving stream of oil and adapted to be controlled manually and from afar by a valve through which a portion of the oil passes.

1,533,405. KITCHEN UTENSIL. JOHN PATRICK GRIFFIN, Waddington, N. Y. Filed Mar. 18, 1922. Serial No. 543,317. 7 Claims. (Cl. 146—213.)



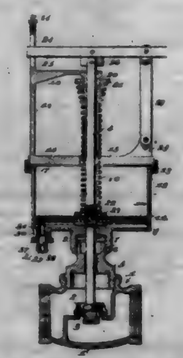
1. A combined mashing and beating utensil comprising a beating portion, a mashing portion transversely carried by the beating portion extending only to one side of the beating portion, and a handle carried by said beating portion.

1,533,406. DEVICE FOR INSURING UNIFORM PRESSURE UPON EXPLOSIVE CHARGES. BENNETT GROTTA, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 6, 1924. Serial No. 754,353. 5 Claims. (Cl. 86—21.)



4. A device for equalizing the pressure applied to several detonator compositions by a single press, which consists of a suitable rack equipped with an individual backing of rubber of suitable resiliency for each detonator.

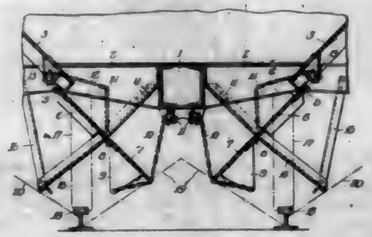
1,533,407. ADJUSTABLE AUTOMATIC VALVE REGULATOR. LOUIS H. HANSON, Austin, Tex., assignor of one-half to T. E. Reasonover, Austin, Tex. Filed Dec. 27, 1923. Serial No. 683,058. 6 Claims. (Cl. 137—139.)



6. A Device of the character described comprising a valve casing, a closure cap having a cupped end, a cylinder surmounting the cap and having a complementary cupped end fitted on the aforesaid cupped end to pro-

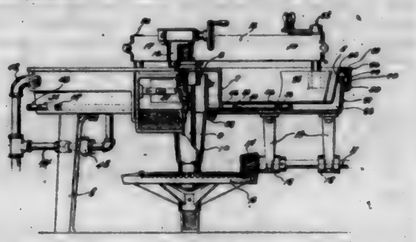
vide a packing chamber, a valve in the casing having a stem passing through said chamber and cylinder, a piston carried by the stem and being operable in the cylinder, means for regulating the passage of air between the atmosphere and the interior of the cylinder beneath the piston, said means permitting a free unseating but retarded seating movement of the valve, and means embodied in and associated with said regulating means for governing the rate at which air may pass.

1,533,408. SELECTIVE DUMP CAR. HARRY S. HART, Chicago, Ill. Filed Apr. 22, 1924. Serial No. 708,144. 10 Claims. (Cl. 105—252.)



1. A car of the class described having a center sill, a hopper portion on each side of the center sill, a platform extending downwardly and outwardly from the apex of each hopper portion, a downwardly swinging door hinged adjacent to the upper edge of the platform, and an outwardly swinging door hinged to the car frame above said platform.

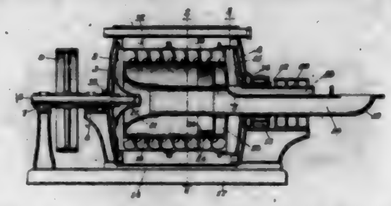
1,533,409. MATERIAL WORKING AND MIXING MACHINE. WILLIS N. HARTSHORN, Racine, Wis., assignor to Racine Confectioners' Machinery Co., Racine, Wis., a Corporation of Wisconsin. Filed Oct 22, 1923. Serial No. 670,127. 3 Claims. (Cl. 257—108.)



1. In a machine of the character described including a jacket member, a container nested in the jacket member, the side and bottom walls of the jacket member and container being spaced to provide a temperature regulating chamber and means for introducing a temperature controlling fluid in said chamber, an annular trough surrounding the upper portion of the jacket member, an annular spill-way passage communicating the temperature regulating chamber with said trough and a fluid outlet communicating with said trough whereby the temperature controlling fluid is substantially evenly withdrawn from the chamber by over-flowing into the trough through said spill-way passage.

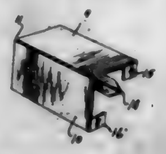
1,533,410. PULP-SCREENING MACHINE. ANTON J. HAUG, Nashua, N. H. Filed Mar. 28, 1921. Serial No. 456,374. 32 Claims. (Cl. 92—35.)

31. A pulp screening machine comprising, in combination, a horizontal rotary screening drum, means for rotating said drum with sufficient speed to cause it to exert a substantial centrifugal effect on the stock in contact therewith, a casing in which said drum is enclosed, and a weir over which the screened stock discharged from said



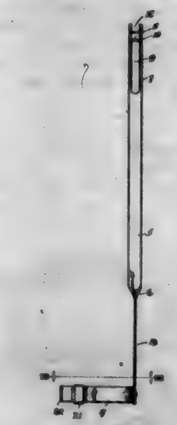
casing flows, said weir being arranged to back up the screened stock in said casing and keep said drum completely submerged in screened stock.

1,533,411. FORM SPACER. HOWARD B. HEILMAN and HAROLD SCARTH, Detroit, Mich. Filed Nov. 3, 1922. Serial No. 598,779. 4 Claims. (Cl. 72—122.)



3. A form spacer adapted for use in maintaining a form in spaced relation to material to be fireproofed, comprising a main body portion having a pair of angularly extending leaves adapted for free engagement at one end with said material; and affixing means projecting from said leaf members adjacent the opposite end and adapted for embedding in a portion of said form.

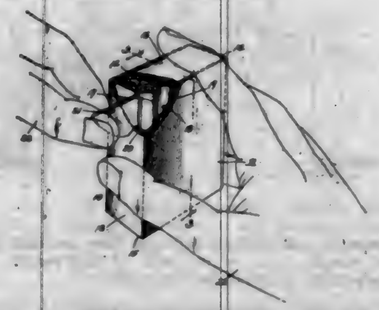
1,533,412. CORD HOLDER FOR SADIRONS. GEORGE A. HERRON, Ottawa, Ontario, Canada. Filed Feb. 18, 1925. Serial No. 9,051. 3 Claims. (Cl. 219—25.)



3. In a cord holder of the class described, a clamp shaped to engage the contact shield of the sadiron, said clamp being formed with projecting ends, means to maintain these ends closed comprising a ferrule slidingly mounted on said ends, a resilient metal band having a portion twisted at right angles pivoted at one end to said clamp, means to limit the rotation of said band upon said clamp comprising a stop depressed from said clamp

working against a sector cut out from said band, a bifurcation at the opposite end of said band, an opening below said bifurcation formed by cutting out the metal from said band on three sides, said metal being rolled upon itself to form a drum upon which the cord is wound.

1,533,413. CIGARETTE CONTAINER. PAUL R. HEYGEL, Morsemere, N. J., assignor to Harry H. Straus, New York, N. Y. Filed Nov. 28, 1923. Serial No. 677,856. 3 Claims. (Cl. 206—41.)



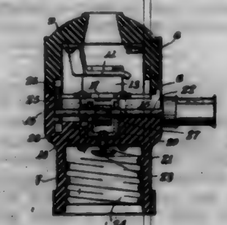
1. A container for original cigarette packages formed of relatively yielding material, said container comprising side, end and bottom portions of relatively stiff material, the top of said container being open and formed at one corner of the top with a depressed edge portion, said edge portion conforming to and serving as a guide for severing the desired opening to be formed in the package wrapper.

1,533,414. BUFFER FOR CARS. CHARLES HIBEL, Cleveland, Ohio. Filed Dec. 22, 1921. Serial No. 524,269. 8 Claims. (Cl. 104—259.)



1. In a buffer, the combination of means adapted to slide upon a track for bringing a moving body to a standstill, a pull-bar, the pull-bar having one end pivoted to said means, and the other end of the pull-bar being adapted to be engaged by the body when the body is moving in one direction to actuate said end of the pull-bar upwardly and to effect connection with the body when the body moves in the other direction, substantially as described.

1,533,415. ELECTRIC SOCKET. JOHN HOHL, Newark, N. J. Filed Mar. 27, 1923. Serial No. 627,948. 8 Claims. (Cl. 173—351.)



1. In a separable key socket, a cap, a body having interlocking parts, engageable by relative rotation of the cap and body about their common axis, a switch

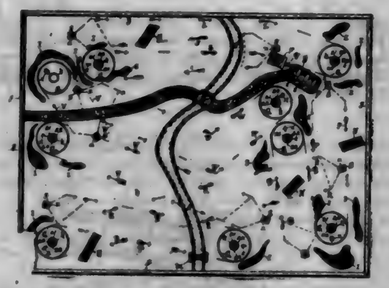
carried by one part including a switch operating member and a latch adapted to be operated by said operating member for preventing relative disengaging movement of said parts.

1,533,416. HAIR-DRYING BRUSH. JOHN M. HOLCHIN, Cleveland, Ohio. Filed Sept. 4, 1924. Serial No. 735,883. 6 Claims. (Cl. 34—26.)



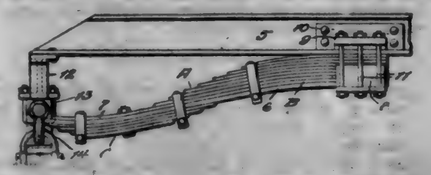
1. A hair drying brush including a sectional hollow back, a set of hollow teeth carried by the back and having communication with the interior, an electric heating element arranged in the back, and a handle attached to the back.

1,533,417. GAME—INDOOR GOLF. FRANK J. HOLLAND, Richmond, Ind. Filed Aug. 16, 1921. Serial No. 492,709. 1 Claim. (Cl. 273—87.)



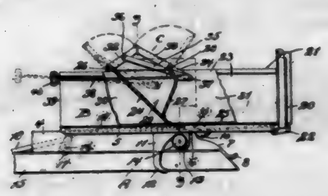
The hereindescribed game of indoor golf, an oblong board, padding covering the board, rails forming a retaining border around the board, there being a plurality of holes formed through the board and padding, a cup located in each of said holes with their open ends flush with said padding, a flag for each cup, each of said flags being adapted to stand in display position in its cup or upon the padding, a driving disc for each player, and a driven disc for each player, the driving disc and the driven disc of each player being of the same color but of a color different from that of the other players, the representation of a green forming a circle around each cup, representation of a river, a roadway, and parking place shown upon said padding, and the representation of a golf course represented upon the padding, all substantially as shown.

1,533,418. VEHICLE SPRING. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,626. 4 Claims. (Cl. 267—46.)



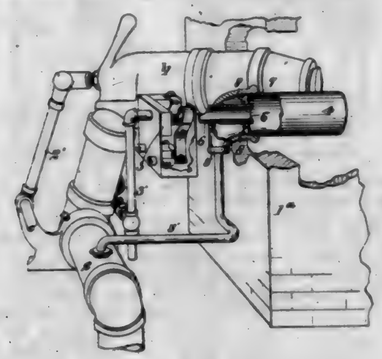
1. A vehicle spring comprising a cantilever section and a leaf-spring section, said sections being composed of relatively short leaves built upon one or more leaves common to both sections.

1,533,419. COMPARTMENT-DUMPING VEHICLE. CHRISTIAN J. HUG, Highland, Ill., assignor to The Hug Company, Highland, Ill., a Corporation of Illinois. Filed Feb. 21, 1924. Serial No. 694,216. 7 Claims. (Cl. 298—12.)



1. In a compartment dumping vehicle a body having a central compartment formed by two hinged plates, the bottom of said central compartment being above the plane of the bottom of said body, and end compartments formed by said plates when in loaded position.

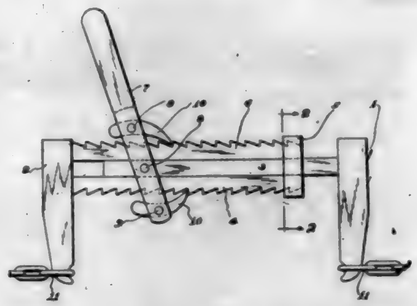
1,533,420. OIL BURNER. BENJAMIN W. HURD, San Francisco, Calif., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif., a Corporation of Nevada. Filed Jan. 12, 1924. Serial No. 685,868. 2 Claims. (Cl. 158—28.)



1. The combination with an oil burner, of an automatically controlled pilot light structure associated therewith and disposed to cause the flame therefrom to intersect the flame issuing from the oil burner, and including an intensifier barrel arranged in advance of the pilot light structure, a tube for guiding the flame of the pilot light into the intensifier barrel and means for admitting air under pressure into the barrel of the intensifier for intermingling with the projected flame of the pilot light and projecting the same beyond the intensifier barrel for impingement against the stream of vapor issuing from the burner.

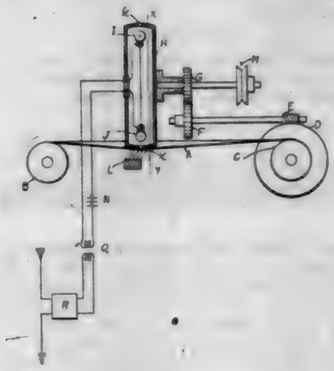
1,533,421. MOTOR-VEHICLE CHAIN TIGHTENER. ORIS L. HUTCHCROFT, Mediapolis, Iowa. Filed Mar. 21, 1924. Serial No. 700,851. 1 Claim. (Cl. 254—72.)

As a new article of manufacture, a chain tightener comprising a primary jaw and an auxiliary jaw, parallel bars provided with teeth on their outer edges fastened at their outer ends to said auxiliary jaw, a straight bar between said parallel bars and fastened at its outer end to said primary jaw, a narrow collar around the straight bar and the inner ends of said parallel bars only, a tooth at the extreme inner end of each of said parallel bars extending into the body of said collar, a



handle on said straight bar, and dogs on said handle and engaging some of the teeth of said parallel bars, substantially as shown and described.

1,533,422. WEB-PICTURE-MESSAGE TRANSMISSION. CHARLES FRANCIS JENKINS, Washington, D. C. Filed Feb. 16, 1924. Serial No. 693,226. 8 Claims. (Cl. 178—7.)

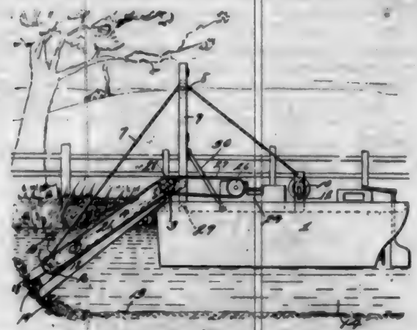


1. In apparatus of the class described, the combination of a moving picture surface, a moving light-enclosing casing in contact with said picture surface, a minute aperture in said casing at the point where it contacts with said surface, and means for yieldingly holding the casing and said picture surface in intimate contact.

1,533,423. STREAM-BED-DIGGING DEVICE. AARON JOHNSON, Corning, Mo. Filed July 9, 1924. Serial No. 724,988. 8 Claims. (Cl. 37—76.)

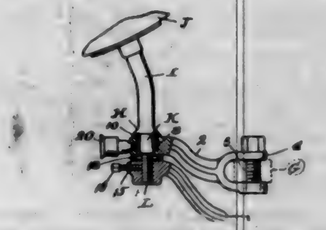
1. A river bottom excavating machine comprising a hull, a straight transversely disposed shaft rotatably mounted in bearings adjacent one end of the hull, means for rotating said shaft, said means driving the shaft from opposite ends thereof, a frame pivotally mounted on said transversely disposed shaft and extending downwardly, a crank shaft carried by the free end of the frame, driving connections between the crank shaft and the first mentioned shaft adjacent the opposite sides

of the frame, a plurality of bars carried by said crank shaft, digging elements carried by the lower ends of said bars, the rear ends of said bars being provided with



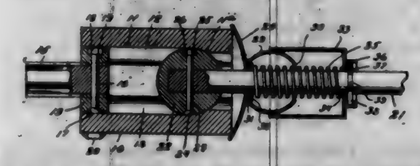
yokes arching the straight transversely disposed shaft and having a slidable connection on said shaft and means for raising and lowering said pivoted frame at its free end.

1,533,424. DIRIGIBLE HEADLIGHT. WILLIAM R. JOHNSTONE and WILLIAM A. MCDOUGALL, Kansas City, Mo.; said Johnstone assignor to said McDougall. Filed June 22, 1922. Serial No. 570,096. 2 Claims. (Cl. 240—62.)



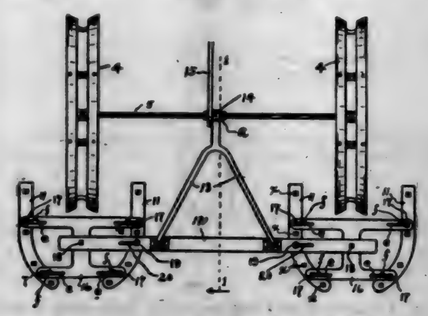
1. In combination with a headlight and its post, a lamp bracket adapted to be secured at its rear end to the fender bracket of an automobile, a bearing journaled in the forward end of said lamp bracket and provided at its upper end with a channel to receive a complemental shoulder on the headlight post to rotate therewith, a steering arm secured at one end to the lower end of said headlight post where the same projects through said bearing, means connecting the opposite end of said steering arm to the steering mechanism of the automobile, and antirattler means interposed between the lamp bracket and said steering arm.

1,533,425. UNIVERSAL JOINT. HARRY JAMES JONES, San Angelo, Tex. Filed Oct. 17, 1923. Serial No. 669,095. 8 Claims. (Cl. 64—21.)



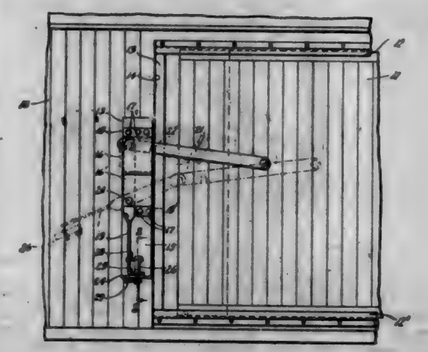
1. In a universal joint structure, a body having a bore formed with longitudinal channels, a plug detachably secured within one end of the body and formed with projections conformingly fitting within said channels, a spline carried by the plug, a shaft extending into the body at the open end thereof and carrying a ball head conformingly engaging within the bore and formed with sockets, members engaged within the sockets and said channels, the bore having its end at the open end of the body reduced in diameter to provide stop means preventing disengagement of the head from the bore.

1,533,426. CORN-PLANTER ATTACHMENT. JOSEPH JUNGFERMAN, Neola, Iowa, assignor to Paul T. Hasen, Avoca, Iowa, and ROY C. FELL, Perry, Iowa. Filed Sept. 10, 1923. Serial No. 661,869. 2 Claims. (Cl. 97—6.)



1. In an attachment for a corn-planter provided with wheels and an axle, a tongue having journalled bearings and extending rearwardly of the axle, a cross-bar rigid with the tongue, a plurality of shoes each having teeth disposed in non-alignment, a pair of spacing-plates each having a pair of connected, approximately parallel arms provided with slots and pivotally connected midway between said arms with the cross-bar, keepers traversing the shoes forwardly of the cross-bar engaging in the slots of the spacing-plates, keepers traversing the shoes rearwardly of the cross-bar engaging in the slots of the spacing-plates to permit transverse adjustments of said shoes relative to the spacing-plates, and means for maintaining the arms of the spacing-plates approximately parallel with the cross-bar.

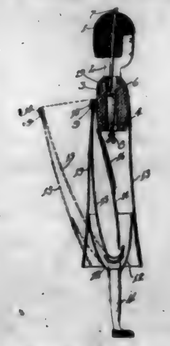
1,533,427. CAR-DOOR-LOCKING MEANS. JOHN KARTHMSER, Aurora, Ill. Filed May 16, 1923. Serial No. 639,339. 6 Claims. (Cl. 292—263.)



1. In combination with a car and a door thereon, a member swingably mounted on one thereof, a lever mounted on the other thereof, means on said lever engageable with said swingable member for partly opening

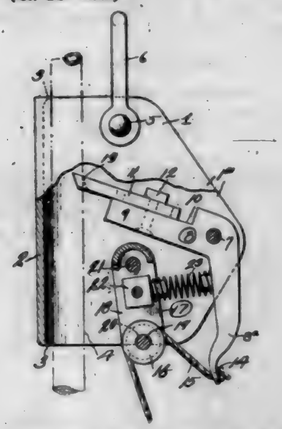
said door, means embracing said lever and said member and being arranged to prevent release movement of said member while said lever is in locked position, and means for locking said lever while in engagement with said swingable member for locking said door in either a closed position or in a partly opened position.

1,533,428. CHILD'S HAND BAG. CAROLINE T. KITTLESON, Chicago, Ill. Filed Oct. 11, 1923. Serial No. 668,015. 4 Claims. (Cl. 150—11.)



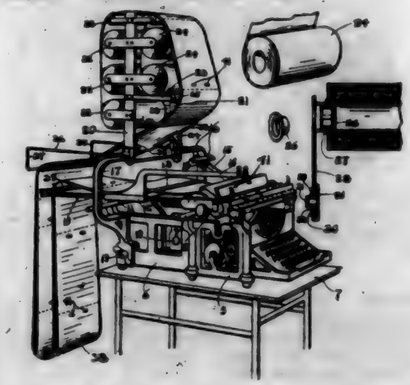
1. A combined doll and hand bag comprising a body portion having bores therein, a skirt having its front portion secured to said body portion, and its rear portion free of said body, a drawstring for carrying the doll, said string being passed through said bores and through the rear portion of said skirt, and a pocket having one side secured to said body and the other side secured to the rear portion of said skirt, whereby said pocket is adapted to be closed when said drawstring is tightened.

1,533,429. PIPE JACK. JOHN M. KOEHN, Buffalo, Nebr. Filed Oct. 24, 1924. Serial No. 745,670. 2 Claims. (Cl. 24—249.)



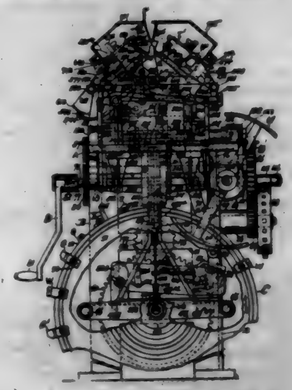
1. The combination with a pipe and rod jack comprising a U-shaped frame in which a pipe is received, spaced teeth carried by the frame adjacent its upper and lower ends and adapted to bite into a pipe, an angularly shaped gripping lever pivoted within the frame, an adjustable gripping bar carried by said lever and adapted to engage the outer side of a pipe, of a U-shaped member rigidly disposed within the U-shaped frame, a pulley carried by said U-shaped member, a cable extending over said pulley and connected to the angularly shaped gripping member, and a coiled spring interposed between the gripping lever and the U-shaped member.

1,533,430. ATTACHMENT FOR MANIFOLDING TYPEWRITERS. HARRY H. KONERMAN, Newport, Ky., and ROBERT C. LEIMBERGER, Cincinnati, Ohio, assignors to The Globe Register Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 24, 1922. Serial No. 546,239. 2 Claims. (Cl. 197—133.)



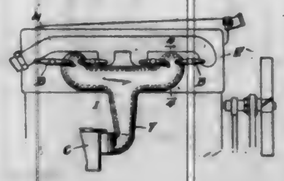
1. An attachment for manifolding typewriters, comprising in combination with a typewriter, a roll-carrying rack above the typewriter, a series of paper rolls mounted in the rack, a rearwardly extending paper supporting loop having guiding sides, and an adjustable plate between the rolls and the loop adapted to direct the paper from the rolls over the loop, whereby a loop of paper may be established and maintained between the typewriter and the loop.

1,533,431. ADJUSTABLE AUTOMATIC KNITTING MACHINE. BENJAMIN KOTKOVSKY, Brooklyn, GEORGE LUTER, New York, and BORIS DUBI, Brooklyn, N. Y., assignors to Chainless Knitting Machine Corp., New York, N. Y., a Corporation of New York. Filed Aug. 3, 1922. Serial No. 579,459. 12 Claims. (Cl. 66—28.)



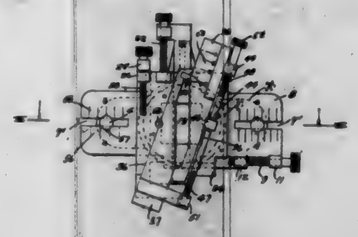
1. In a knitting machine the combination of knitting appurtenances, an adjusting dial journaled in the machine, means to intermittently rotate the dial, scales indicated on the dial, means in the machine for turning said dial a complete revolution, means in the machine to operate the knitting appurtenances for one cycle of their operations for a movement of said dial through an angle between a pair of adjacent divisions of one of its scales and means in the machine to operate said knitting appurtenances an increased number of times for a movement of the dial through an angle of a second scale thereon, to obtain for one revolution of the adjusting dial the predetermined length of the material to be knitted, and its predetermined pattern of stitches.

1,533,432. INTAKE-MANIFOLD HEATER. WILLIAM F. LEVISON, Cleveland, Ohio. Filed Sept. 15, 1923. Serial No. 662,853. 4 Claims. (Cl. 123—122.)



1. An intake manifold heater comprising a casing entirely enclosing the manifold between the carbureter and the engine block, a heat insulating material arranged between the manifold and casing and a connection between the upper portion of the casing and the exhaust manifold for directing additional heat into the casing.

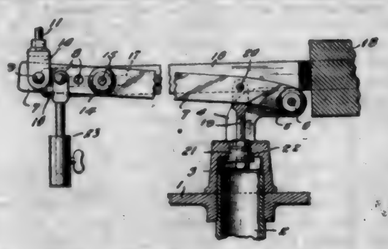
1,533,433. MULTIPLE-EXPOSURE ATTACHMENT FOR CAMERAS. SVENNUM CHRISTIAN LINDEN, San Francisco, Calif. Filed Mar. 15, 1923. Serial No. 625,344. 4 Claims. (Cl. 95—36.)



1. A camera attachment comprising a fixed plate having an aperture therein exposing the whole area of the film, a second plate movable thereon having a smaller aperture exposing a part only of the film, means for advancing the second plate over the first plate whereby parts of the same film are exposed successively and means for adjusting the width of the second aperture, comprising a pair of plates mounted on the second plate with freedom of diagonal sliding motion having parallel edges facing one another so as to define a slot adapted to be widened and narrowed by relative motion of the plates.

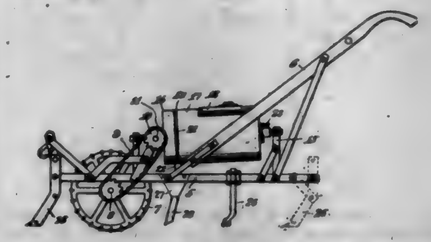
1,533,434. FLOAT VALVE. OTTO LINSTADT, Madison, Nebr. Filed Nov. 28, 1923. Serial No. 677,431. 3 Claims. (Cl. 137—104.)

1. In a valve of the class described, the combination of an inlet pipe, a valve casing attached to said pipe, the valve casing having a port therethrough, a valve seating upwardly to close said port, a pivotally supported arm to which the valve is operatively connected,



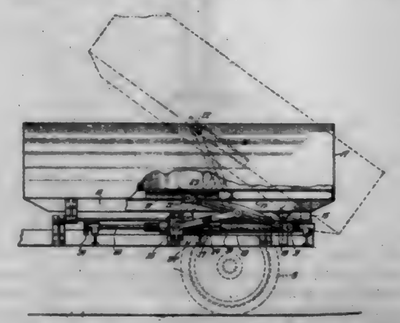
a float element adjustably attached to the free end of the pivotally mounted arm, and a weighted twin arm adjustably attached to the pivotally mounted arm.

1,533,435. FERTILIZER MIXER AND DISTRIBUTOR. MILTON A. LOKEY, Hatcher Station, Ga. Filed Sept. 29, 1924. Serial No. 740,521. 1 Claim. (Cl. 221—128.)



In an implement for mixing and distributing fertiliser, a frame, a shaft journaled on the frame and inclining forwardly and downwardly, traction-wheel means for driving said shaft, a hopper mounted on said shaft and consisting of two cylindrical sections relatively adjustable on said shaft to provide an annular circumferential discharge-slot of the desired uniform width, and means for keeping said slot clear of accumulations of fertilising materials, the forward end of the front section being closed and the two adjacent ends of the section being open, whereby the fertilizer will gravitate across the discharge-slot and into the forward section.

1,533,436. DUMP WAGON. THOMAS K. LOWRY, Chicago, Ill. Filed Feb. 10, 1921. Serial No. 443,795. 13 Claims. (Cl. 298—21.)



1. A dump wagon comprising a suporting frame; a wagon box supported on said frame and having detachable connections along the bottom lower edges of said

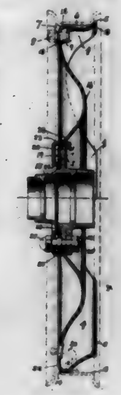
box; two connecting links pivoted about a common axis; a lever bifurcated at its ends and pivoted intermediate its ends between said links; a track circular in cross-section attached to the lower central portion of said box; a roller pivoted between the bifurcated portions of one end of said lever and engaging said track; a sleeve pivoted between the bifurcated portions at the other end of said lever; and a screw journaled in said frame and threaded in said sleeve.

1,533,437. EDUCATIONAL DEVICE. ALFRED J. MACY, Chicago, Ill., assignor to Macy Art Process Corporation, a Corporation of Illinois. Filed Apr. 11, 1921, Serial No. 460,431. Renewed Aug. 25, 1924. 5 Claims. (Cl. 88—30.)



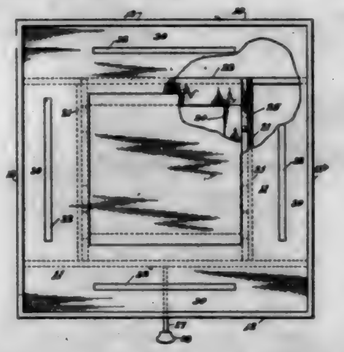
1. In combination, a leaf of a publication, an optical instrument, means for supporting it adjacent the edge of the leaf, a picture on the leaf illustrating the use of said instrument, a picture on said leaf to be viewed through said instrument, and a legend located between said pictures, opposite said instrument, giving directions to use the instrument in the manner indicated by the one picture to view the other.

1,533,438. VEHICLE WHEEL. FRANK L. MAIN, Birmingham, Mich., assignor to Hayes Wheel Company, Jackson, Mich., a Corporation of Michigan. Filed Apr. 2, 1923. Serial No. 629,280. 5 Claims. (Cl. 301—63.)



4. A disc for vehicle wheels to connect the hub and the rim, said disc being formed with laterally extending substantially cylindrical flanges at intervals along its outer periphery, said disc adapted to have a continuous line contact along one edge of the rim and the flanges to have interrupted line contacts along the other edge of the rim, the edges of said flanges constituting zig-zag lines.

1,533,439. GAME BOARD. LUCIEN A. MARSH, Mill Valley, Calif. Filed Apr. 9, 1923. Serial No. 630,750. 3 Claims. (Cl. 273—136.)



2. A game board having a playing surface with a rectangular opening at the center thereof, a hollow case having a hinged cover mounted in said opening and vertically movable therein, said case being normally disposed within the top surface of said cover flush with the playing surface, a reciprocable slide below the case, and co-operating means on the slide and the case adapted to vertically move the case when said slide is operated.

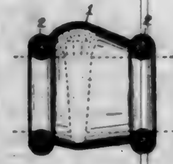
1,533,440. PUMP. BENJAMIN FRANKLIN MARTY, Friant, Calif., assignor of two-thirds to Elizabeth Donaghy, O'Neals, Calif. Filed Nov. 20, 1922. Serial No. 602,168. 5 Claims. (Cl. 103—155.)



1. A pump comprising a casing having a reduced lower portion; a shoulder formed at the upper end of the reduced portion and a flange formed at the lower end of said reduced portion; an annulus mounted within the casing upon the shoulder; a cylinder mounted within the casing in engagement with the flange and the annulus; valve means removably mounted within the lower portion of the cylinder to form an intake to the cylinder and the[illegible] to the casing through openings formed

in the cylinder above the valve means; a plunger mounted within the cylinder; and means for reciprocating the plunger within the cylinder to draw liquid into the cylinder when moved in one direction, and to force said liquid into the casing and upwardly past the valve controlled opening in the annulus when moved in the opposite direction.

1,533,441. FINGER-RING GUARD. GEORGE MELLING, Lansing, Mich., assignor of one-half to Alice M. Melling, Lansing, Mich. Filed Nov. 28, 1923. Serial No. 677,576. 4 Claims. (Cl. 63—17.)



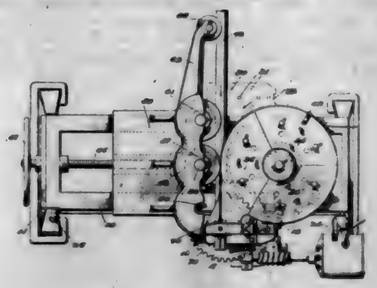
1. As an article of manufacture, a finger ring guard comprising an annular resilient body portion to yieldingly embrace a ring upon a finger and terminating in a thickened integral finger embracing rim at each end.

1,533,442. MECHANISM FOR SHIFTING BINDER POSTS. ARTHUR R. MEYER and ELMER A. REED, Chicago, Ill., assignors, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill., a Corporation of Massachusetts. Filed June 18, 1921. Serial No. 478,491. 11 Claims. (Cl. 129—13.)

3. In a loose leaf binder, the combination with the shiftable elements for expanding and contracting the binder, of shiftable leaf-holding posts operatively connected to said elements, a loose leaf having a plurality of mush-room-shaped slots for accommodating the leaf-holding posts and allowing said posts to be shifted therein for locking said leaf in the binder.

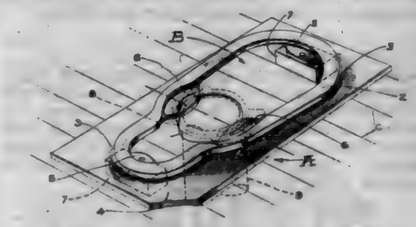
1,533,443. PIPE-BENDING MACHINE. ANDREW MILLER, Newport News, Va. Filed May 21, 1924. Serial No. 714,850. 5 Claims. (Cl. 153—40.)

4. In a pipe bending machine, a bending member including a base plate having similar oppositely disposed supporting extensions, a vise similarly attachable to either of said extensions for right and left pipe bends, a series of segments forming a bending wheel around and secured to the said base plate, a shaft on which the base plate is mounted, and means to rotate said shaft, one



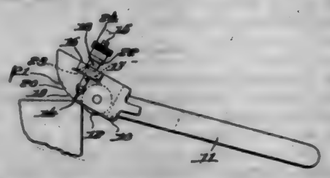
of said bending wheel segments having an angularly outstanding extension engaging the vise and forming a bracing support therefor.

1,533,444. FLOOR SLAB FOR PLUMBING FIXTURES. OSCAR H. MOHR, Berkeley, Calif., assignor of one-half to Franklin W. Dakin, Berkeley, Calif. Filed Apr. 10, 1924. Serial No. 705,483. 6 Claims. (Cl. 4—252.)



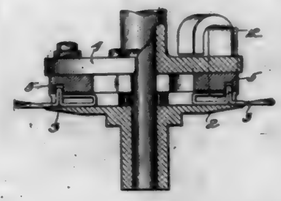
1. A floor slab of the character described, having a raised supporting surface formed thereon, the contour of said raised surface conforming to the outline or base of a fixture to be supported thereon, said raised portion having an opening formed therein substantially centrally thereof.

1,533,445. CUTTER FOR CHEESE, BUTTER, AND THE LIKE. HUGO ADOLF OTTO MÖLLER, Boston, Mass., assignor to Maurice M. Saunders, Boston, Mass. Filed Aug. 21, 1924. Serial No. 733,262. 5 Claims. (Cl. 31—27.)



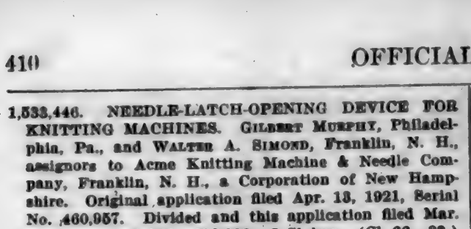
1. A cutter of the class described comprising a yoke and attached handle, the limbs of said yoke having their under sides rocker shaped at the ends thereof, and provided with means to retain a cutting wire in one of a plurality of predetermined positions; a cutting wire mounted on said yoke and normally held thereon under tension; means to exert tension on said wire; means to change the position of said tension exerting means whereby said cutting wire may be made to register with one of a plurality of positions predetermined by said wire retaining means; and a work contact device arranged to guide said wire during the cutting operation.

1,533,446. NEEDLE-LATCH-OPENING DEVICE FOR KNITTING MACHINES. GILBERT MURPHY, Philadelphia, Pa., and WALTER A. SIMOND, Franklin, N. H., assignors to Acme Knitting Machine & Needle Company, Franklin, N. H., a Corporation of New Hampshire. Original application filed Apr. 13, 1921, Serial No. 460,957. Divided and this application filed Mar. 10, 1924. Serial No. 698,006. 3 Claims. (Cl. 66—28.)



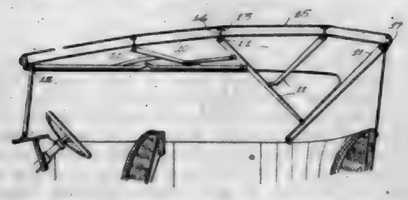
1. In a knitting machine, the combination of a series of needles, supporting means for said needles, cams for operating said needles, and a magnet mounted adjacent to the path of movement of said needles and having a face comprising a leading portion located close to said path to act on the ends of the needle latches to initiate their opening movement, and trailing portions located at successively increasing distances from said path and arranged to continue the opening movement of the latches as the magnet is relatively moved past said needles.

1,533,447. APPARATUS AND PROCESS FOR ELECTROPLATING METAL AND FORMING ARTICLES THEREFROM. GEORGE W. NEWMAN, Chicago, Ill., assignor, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill., a Corporation of Massachusetts. Filed July 20, 1923. Serial No. 652,747. 4 Claims. (Cl. 204—11.)



1. The method of treating metal, which consists in first subjecting the same to an electrolytic bath to cleanse the same and to remove a portion of the surface thereof, and then plating said surface.

1,533,448. AUTOMOBILE TOP. MOORE NOBLE, Los Angeles, Calif. Filed Mar. 13, 1924. Serial No. 698,950. 2 Claims. (Cl. 296—137.)



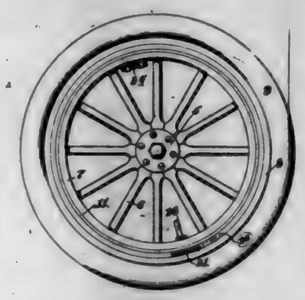
1. The combination, with an automobile top and its supporting bows, of short posts that project upwardly from the upper portions of said bows, transverse rails supported by said short posts, a protective cover supported by said transverse rails and wholly covering the vehicle top, and the edges of which protective cover are extended downward so as to overlie the corresponding edges of the vehicle top, thus forming an air chamber between said vehicle top and protective cover.

1,533,449. TRAILER. AXEL O. NORDINE, Seattle, Wash., assignor to Puget Electric Welding Inc., Seattle, Wash. Filed Dec. 31, 1923. Serial No. 683,704. 4 Claims. (Cl. 280—33.1.)



1. In a trailer for tractors or the like a connection at the forward end in the form of an inverted U with an arm projecting from its forward side, said arm resting upon a spring saddle on top of the axle of the tractor, and a connection between the lower ends of the forward side of the U and the yoke on the under side of the axle of the tractor.

1,533,450. VEHICLE WHEEL. ROSCOE O'FLAHERTY, Lanham, Md. Filed Dec. 13, 1923. Serial No. 680,888. 3 Claims. (Cl. 301—16.)

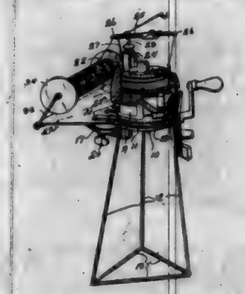


1. The combination with a felly of a vehicle wheel having its outer surface laterally inclined at an angle to the axis of the wheel, and a trans-split rim securing ring adapted to snugly surround the felly between the latter and the rim and normally tending to contract to a smaller diameter for releasing the rim, of means for causing lateral displacement of the ring relative to the felly for causing expansion of the ring into engagement with the rim, wherein the means for causing lateral displacement of the ring embodies a second ring rotatably mounted between the first named ring and the felly, and wherein said means embodies co-operating teeth with inclined co-operating edges provided upon the said rings.

1,533,451. BOBBIN SUPPORT FOR HAND KNITTING MACHINES. NELLIE C. OVERCASH, Sawtelle, Calif. Filed July 24, 1924. Serial No. 727,998. 3 Claims. (Cl. 66—12.)

1. As an article of manufacture, an auxiliary spool support for hand operated knitting machines comprising a sheet metal member cut out at one end to form a substantially annular portion adapted to be disposed beneath

the knitting machine and engaged therewith against rotary movement, the annular member having a radial outstanding web carrying an auxiliary spool at its outer



end, the opening of the annular member being extended outward into said web, whereby to accommodate the usual clamps on a knitting machine.

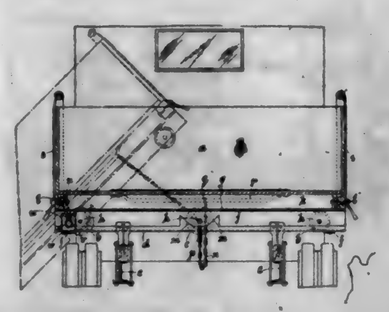
1,533,452. ELECTRICAL SEAL. PERCY H. PAULEN, Cleveland, Ohio, assignor to The Electrical Seal Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 16, 1922. Serial No. 601,687. 3 Claims. (Cl. 219—21.)



1. In a sealing device, the combination with a handle; of a heating device mounted upon said handle and including a cylindrical shell, a cap-piece intermediate of said shell and handle and closing the inner end of said shell, an insulating member secured to the bottom end of said shell, bolts passing through said cap-piece, interior of said shell and insulating member, nuts for said bolts, whereby said cap-piece, shell and insulating member are secured to each other, a hollow heating cap detachably secured to said insulating member, an electrical heating element within said heating cap and detachably mounted upon said insulating member, electrical terminals embedded in said insulating member and terminating in sockets adapted to receive the terminals of said heating element, and electrical conductors connected with said terminals; said handle and cap-piece being formed with central alined passages through which said conductors pass.

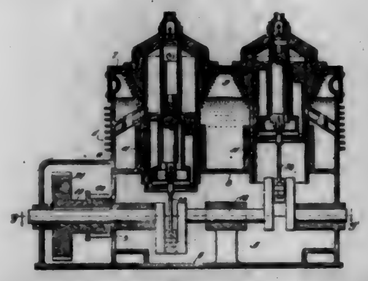
1,533,453. SIDE-TIPPING BODY FOR VEHICLES. WILLIAM L. PAYNTER, Newcastle-upon-Tyne, England. Filed Dec. 5, 1924. Serial No. 754,171. 3 Claims. (Cl. 298—13.)

1. For a road or rail vehicle, a side-tipping body, three pairs of flanged rollers on the underside thereof with their spindles transversely of the body, the flanges of the central pair of rollers being of larger diameter than the flanges of the two outer pairs of rollers, a pair of transverse channel bars on the vehicle chassis between which said rollers run, stop bars at the ends of said



channel bars with which said central rollers coact and which prevent the central rollers overrunning the channel bars, and apertures in the centres of the top flanges of the channel bars which allow the outer rollers to rise out of the channel bars when the body tips.

1,533,454. INTERNAL-COMBUSTION MOTOR. MANUEL HUMBERTO PÉREZ, San Pedro Sula, Honduras. Filed Nov. 20, 1923. Serial No. 675,926. 2 Claims. (Cl. 74—57.)

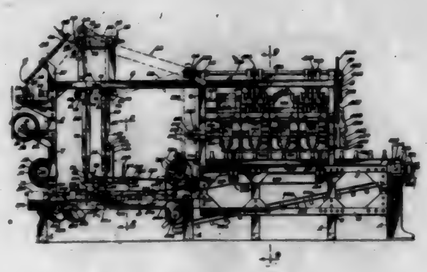


1. A motor comprising a casing, sets of cylinders on opposite sides of the center of the casing, pistons operating in said cylinders, shafts on opposite sides of the center of the casing and driven respectively by the respective sets of pistons, high and low speed gears carried by said shafts, a driven shaft having a gear thereon, and intermediate loose gears meshing with the high and low speed gears on the respective piston driven shafts and adapted to be fixed for engagement with the gear on the driven shaft, and means for adjusting the driven shaft to move the gear thereon into or out of engagement with the high or low speed loose gears.

1,533,455. PACKAGING MECHANISM. JONATHAN PETERSON, Brooklyn, N. Y., and JAMES C. THOM, Chicago, Ill., assignors to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 23, 1921. Serial No. 447,151. 22 Claims. (Cl. 93—51.)

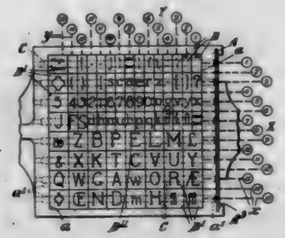
1. In mechanism for producing a succession of package pouches, means for feeding a continuous strip of pouch material, means for covering the strip at blank

intervals, means for positioning the severed blanks, means for forming the successive blanks into pouches,



and means for adjusting the severing mechanism and for simultaneously adjusting the positioning mechanism to maintain the centering of the blanks.

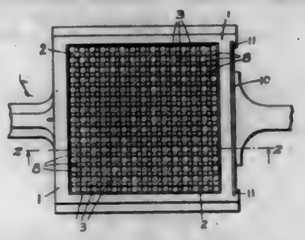
1,533,456. TYPOGRAPHIC MECHANISM. FRANK HINMAN PIERPONT and JOSEPH EARL TIPTON, Horley, England, assignors to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed June 11, 1923. Serial No. 644,737. 4 Claims. (Cl. 199—79.)



1. A matrix case comprising a frame capable of holding a definite number of setwise rows of normal matrices and adapted to be used in a type casting and composing machine provided with matrix case positioning mechanism capable of said definite number of positions in a pointwise direction, each position representing a definite setwise dimension for the type to be produced, rows of matrices in said case of a size to embrace in a pointwise direction two of said definite positions, and a positioning cone hole on one end of each matrix and central thereof in a pointwise direction to cause the central positioning of each matrix row with reference to one of the said definite positions whereby the setwise matrix rows are less in number than the said positions and those positions corresponding to matrix rows are central of said rows in a pointwise direction.

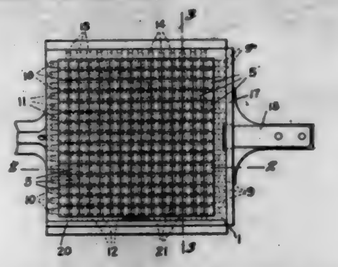
1,533,457. MATRIX-CASE EQUIPMENT FOR TYPE-CASTING MACHINES. FRANK HINMAN PIERPONT, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Feb. 19, 1924. Serial No. 693,853. 6 Claims. (Cl. 199—79.)

1. A matrix case comprising a frame, a series of matrices arranged therein in rows and columns, said matrices being cut away at their upper ends to form spaces, and a plate provided with a series of projec-



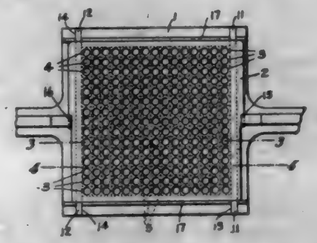
tions fitting into said matrix spaces, said plate being supported on said frame.

1,533,458. MATRIX-CASE EQUIPMENT FOR TYPOGRAPHIC MACHINES. FRANK HINMAN PIERPONT, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Feb. 19, 1924. Serial No. 693,854. 3 Claims. (Cl. 199—79.)



1. A matrix case comprising a frame, a series of matrices therein arranged in rows and columns, two series of suspension bars extending at right angles to each other to support the matrices and limit lateral movements of individual matrices, each series of bars being supported in openings in the said frame, extending lengthwise of the bars whereby each series of bars may be withdrawn or inserted in a direction lengthwise of the bars thereof through the frame openings therefor.

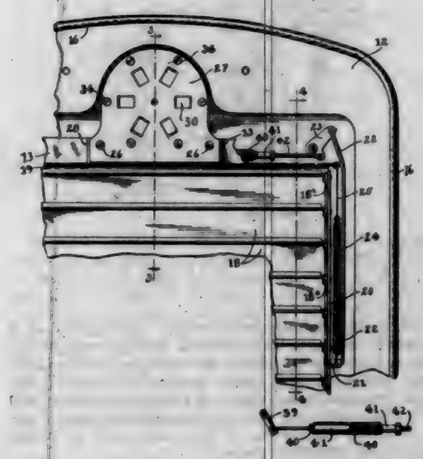
1,533,459. TYPOGRAPHIC MATRIX-CASE EQUIPMENT. FRANK HINMAN PIERPONT, Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa., a Corporation of Virginia. Filed Feb. 19, 1924. Serial No. 693,855. 4 Claims. (Cl. 199—79.)



1. A matrix case comprising a frame, matrices therein arranged in a row, each matrix being provided with an annular groove providing a matrix stem portion, and a bar detachably supported in the frame and entering

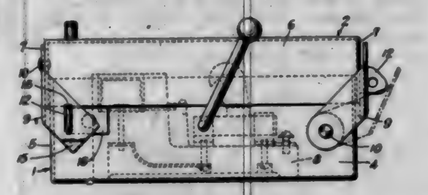
the matrix grooves of the row of matrices to support said row, said bar being provided with lateral, approximately semi-circular notches to accommodate said matrix stem portions.

1,533,460. SHUTTER APPARATUS FOR RADIATORS. CHARLES A. PIPENHAGEN, Chicago, Ill., assignor to Pines Manufacturing Company, a Corporation of Delaware. Filed Mar. 1, 1920. Serial No. 362,251. 24 Claims. (Cl. 236—35.)



8. In a thermostatic device of the class described, a heat conducting plate adapted to lie in contact with the front surface of a radiator, a heat conducting wafer receptacle carried by said plate, a thermowafer disposed in said receptacle, and a follower for said thermowafer.

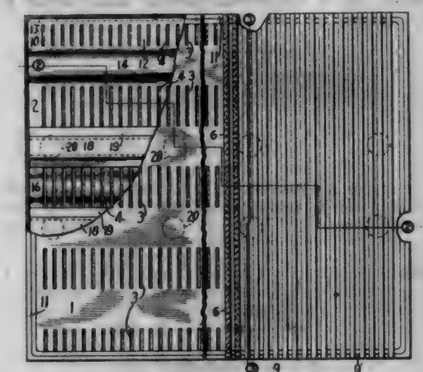
1,533,461. INCLOSED SWITCH CATCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed Jan. 27, 1923. Serial No. 615,279. 3 Claims. (Cl. 292—202.)



1. In an inclosed switch, a box comprising a body having side and end wall members and a cover for the body having side and end flange members overlapping the edges of said body, a strap pivoted at one end to one of said members and extending around a corner of the box, and an anchorage for the strap secured to the other of said members.

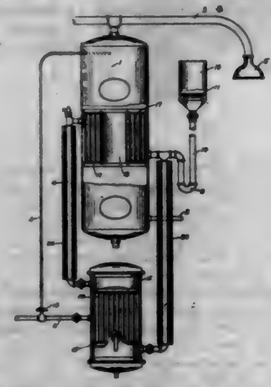
1,533,462. PRINTER'S CHASE. FRANK H. POEPPELMEIER, Dayton, Ohio, assignor to The Haas Letter Service Company, Dayton, Ohio, a Corporation of Ohio. Filed Apr. 16, 1923. Serial No. 632,294. 20 Claims. (Cl. 101—381.)

1. In a device of the character described, a plate having therein a series of slots, bars mounted on said plate in spaced relation one to the other and each having a part extending through one of the slots in said



plate, and means for supporting said bar rigidly in position on said plate.

1,533,463. TEMPERATURE-LIMITING HEATER. FRED J. POSTEL, Chicago, Ill. Filed Apr. 30, 1920. Serial No. 378,002. 2 Claims. (Cl. 122—32.)

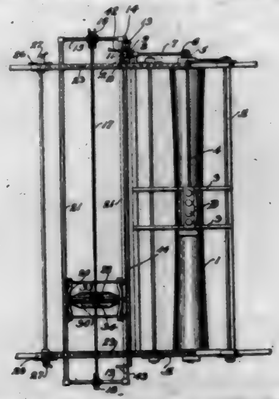


1. A device for heating a liquid to a predetermined temperature below its boiling point, including in combination with a source of heat, an endless tubular liquid receiving member having a part to receive heat from said source and a part to conduct heat to the first named liquid, a liquid in said member rapidly vaporizable substantially at the said predetermined temperature, an expansion tank freely open to the air and communicating with the endless liquid receiving member, and a layer of oil on the surface of the liquid in the tank for normally forming an air seal to prevent evaporation, the oil being unaffected by the liquid and adapted to permit the vaporized liquid to escape to the open air and thereby permanently interrupt the operative connection between the source of heat and the first named liquid so as to prevent heating of said liquid beyond the predetermined temperature.

1,533,464. FINISHING MACHINE. JOHN F. ROSS, Cleveland Heights, Ohio, assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Feb. 2, 1923. Serial No. 616,562. 15 Claims. (Cl. 94—45.)

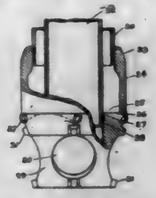
1. In a concrete road finishing machine, in combination, a portable support adapted to move over the roadbed on which the plastic concrete is disposed, a trans-

verse finishing roller mounted on said support and disposed transversely of the road-bed over which the support operates, and a longitudinal finishing roller carried by



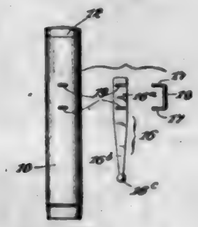
said support and also adapted to operate upon the materials operated upon by the transverse roller, and means to move the longitudinal roller transversely of the machine and of the road-bed.

1,533,465. HYDRAULIC DREDGE. FREDERICK AUGUSTUS ROWE, Vancouver, British Columbia, Canada. Filed Apr. 17, 1922. Serial No. 553,546. 3 Claims. (Cl. 37—63.)



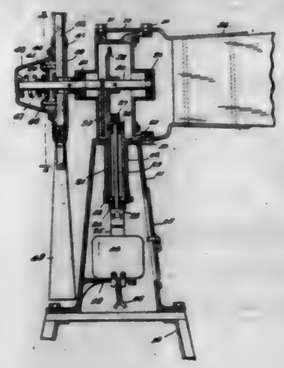
1. In an hydraulic dredge, the combination with the water flow pipe and return pipe located concentrically one within the other, a head forming a chamber into which the water flow pipe is secured and leads, a nozzle into which the return pipe extends and forming the lower portion of the head having laterally directed openings and tangentially set nozzles communicating respectively with the interior of the lower head and return pipe and with the interior of the upper head and water flow pipe.

1,533,466. CLIP. IGNATZ SALZ, New York, N. Y. Filed Nov. 25, 1924. Serial No. 752,094. 13 Claims. (Cl. 24—11.)



1. The combination with a hollow cylindrical member and a spring retaining clip therefor, of means for securing the clip to the member including a pair of bendable securing devices passed through aligned openings in the clip and member, and turned over inside of the cylindrical member, and an escutcheon plate overlying the clip and retained in place by said securing devices.

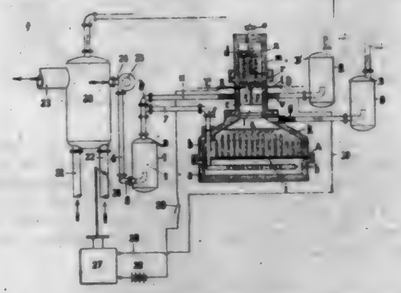
1,533,467. GOVERNOR FOR WINDMILLS. CHARLES E. SARGENT, Indianapolis, Ind. Filed June 16, 1921. Serial No. 477,913. 5 Claims. (Cl. 170—63.)



2. In a wind-wheel governor, the combination of a wind-wheel shaft, a hub mounted thereon and having radial sockets, radial shafts mounted in said sockets, blades carried by said radial shafts, lateral pins projecting from said radial shafts, a sleeve mounted on said first-named shaft and having eccentrically located sockets receiving the heads of said pins, and a torsion spring acting upon said sleeve.

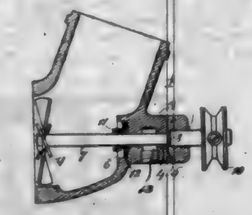
5. In a wind-wheel, a plurality of blades rotatable to vary their respective angles of incidence, and means actuated by the centrifugal force of said blades to decrease their angles of incidence as the speed of rotation of the wind-wheel increases and to increase their angles of incidence as the speed of rotation decreases.

1,533,468. METHOD AND APPARATUS FOR REGULATING THE MIXTURE OF GASES. GEORG SCHMIDT, Berlin, Germany, assignor of one-fourth to Hans Güntherberg, one-fourth to Richard Ihlenfeldt, and one-fourth to Max Koch, all of Berlin, Germany. Filed Sept. 25, 1920. Serial No. 412,889. 6 Claims. (Cl. 48—180.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



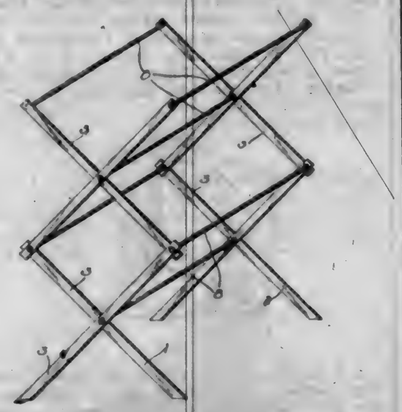
6. An apparatus controlling a regulator for the mixture of gases which comprises a cylinder having a gas inlet and outlet, a piston movable in said cylinder and acted on one side by the gas within the cylinder, means connected to said piston for controlling the adjustment of the regulator, an absorbing chamber having a gas inlet and outlet and in communication with said cylinder on the side of said piston opposite to that acted upon by the gas within the cylinder, means for conveying gas into the inlets of said cylinder and absorbing chamber, and liquid baffles interposed in the inlets and outlets of said absorbing chamber.

1,533,469. WATER-CIRCULATING SYSTEM FOR AUTOMOBILE ENGINES. CHARLES R. SCHMIDT, Baltimore, Md. Filed May 11, 1923. Serial No. 638,254. 2 Claims. (Cl. 286—7.)



2. In a device of the class described, the combination of a bearing for a rotating shaft having a bore of a plurality of different diameters, with a shaft of a plurality of different diameters closely filling said bore, the shaft and bearing being formed with abutting shoulders between the portions of different diameters, and the shaft provided with a collar adapted to seal said bore at its inner end, said shoulder portions and said collar being constructed, arranged and adapted to form metal to metal fluid tight joints under inward and outward thrusts of the shaft.

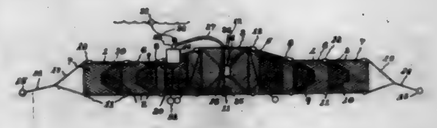
1,533,470. CLOTHESRACK. OTTO G. SCHMITT, Chicago, Ill. Filed Apr. 14, 1922. Serial No. 552,465. 2 Claims. (Cl. 68—34.)



1. A collapsible clothes rack comprising a plurality of bars, sleeves for pivotally securing said bars together, rods having their ends mounted in said sleeves, and means for permanently locking said rods in said sleeves.

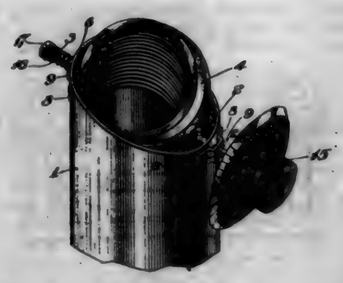
1,533,471. FISHING DEVICE. WILLIAM R. SHEPHERD, Huron, Ohio. Filed May 14, 1923. Serial No. 638,850. 7 Claims. (Cl. 43—100.)

1. A fish catching device of the character described, including a trap enclosure, an electric light associated with the trap enclosure to attract the fish, a battery, a buoy supporting the battery, and a cable connecting



the battery with the light and of sufficient length to enable the battery to be replaced without disturbing the trap enclosure.

1,533,472. CYLINDER BEARING FOR COUPLERS. CHARLES L. SHINE, Philadelphia, Pa. Filed Sept. 28, 1923. Serial No. 665,509. 2 Claims. (Cl. 64—10.)



1. A journal mounting for coupler shafts, comprising in combination with the coupler and its support, an apertured bar to engage the inner face of the coupler support, an outer bar to engage the outer face of said coupler support, and fastening devices passing through one bar and the coupler support and engaging the other bar, said outer bar having an outwardly deflected apertured portion, and said inner bar having an aperture aligning with the aperture of the outer bar, said apertures being adapted to receive the coupler shafts.

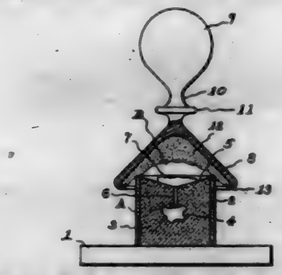
1,533,473. METAL-COATING PROCESS. ROBERT JAY SHOEMAKER, Chicago, Ill., assignor to Leadizing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Apr. 15, 1920, Serial No. 374,089. Divided and this application filed July 19, 1920. Serial No. 397,179. 3 Claims. (Cl. 91—68.3.)

1. Method of plating a metal article with lead or tin which consists in subjecting the surface to be plated to contact with a molten bath containing a chloride of the plating metal capable of reacting with the metal to be plated to form a chloride of said metal to be plated and to produce deposition on said surface of a thin, dense, adherent film of the plating metal, then bringing the plated surface into contact with a solvent of the salt of the plating metal, at fusion temperature, and washing the article.

1,533,474. DENTAL CASTING DEVICE AND PROCESS. JOHN C. SHOTTON, Lakewood, Ohio. Filed July 30, 1923. Serial No. 654,633. 2 Claims. (Cl. 22—69.)

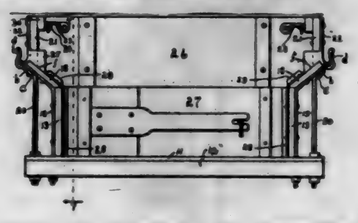
1. A dental casting device including a flared cup member adapted to be fitted upon a mold to provide a closed chamber, the inclined sides of the cup member enabling it to be fitted upon different sizes of molds, and a plastic

lining for the cup member which engages the edges of the mold to provide a gas tight joint therewith, said plastic material including an ingredient which will be



acted upon by the heat of the mold and molten metal to generate a gas and produce a pressure to force the molten metal into the mold cavity.

1,533,475. VEHICLE BODY FOR GRAIN OR STOCK. ELLIOTT B. SMOAK, Daytona, Fla. Filed Aug. 10, 1923. Serial No. 656,723. 1 Claim. (Cl. 296—12.)



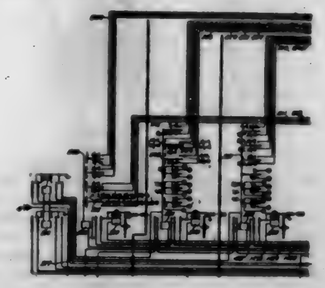
A vehicle body comprising a box having side plates projecting inclinedly from its top, coupling-bars each provided with an eye and secured to a side plate and a side of the box, a stock-rack including side-frames having vertical strips formed with inclined facets at their lower ends, a plurality of bars secured to the vertical strips of the side frames each being provided with a bearing-block and having a hook for engaging in an eye of a coupling bar to permit swinging movements of the side-frames to a vertical position, the inclined facets of said vertical strips and said bearing-blocks moving into engagement with the inclined side plates of said box.

1,533,476. SHEAVE. EDWARD A. SOHN, Bedford, Ind., assignor to Bedford Foundry & Machine Company, Bedford, Ind., a Corporation of Indiana. Filed Mar. 19, 1924. Serial No. 700,267. 1 Claim. (Cl. 64—26.)



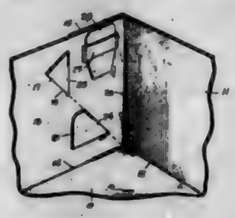
A sheave comprising, a main body provided with a bore, said main body having end portions integrally connected together by substantial connecting portions forming part of said bore and providing an oil passage intermediate each two successive connecting portions, a bushing in said bore, and oil feeding holes extending through the wall of the bushing, the number, spacing, and circumferential width of oil passages, being so related to the number and spacing of the oil feeding holes, that at least one of said holes registers with one of said passages, irrespective of the circumferential position of any point on said bushing relative to any point in said bore.

1,533,477. ROUTINE TEST CIRCUITS FOR CENTRAL-OFFICE SENDERS. FRANKLIN A. STEARN, Paterson, N. J., and JOHN C. MCAULIFFE, Bronx, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 23, 1922. Serial No. 589,980. 44 Claims. (Cl. 179—175.)



1. In a telephone exchange system in which connections are established under the control of central office sending devices, a plurality of sending devices, a testing device, and means for associating said sending devices in rotation with said testing device.

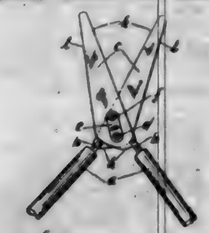
1,533,478. CORNER-FASTENING MEANS FOR FOLDING BOXES. JOSEPH STELLA, New York, and WILLIAM R. WISSER, Brooklyn, N. Y., assignors to Brooklyn Fibre Syndicate, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 4, 1924. Serial No. 741,552. 4 Claims. (Cl. 229—35.)



1. A folding box made of a cut blank comprising a body portion, side portions having cooperable tongue and slot connections, and supplementary corner fastening means comprising loop and wedge members.

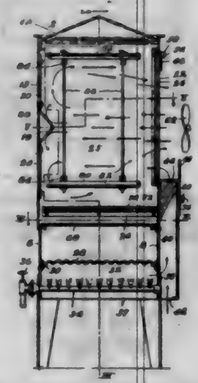
1,533,479. SHEARS FOR CUTTING AND TRIMMING GRASS AND HEDGES. JAMES THOMAS STITT, Nemegos, Ontario, Canada. Filed Nov. 17, 1924. Serial No. 750,335. 2 Claims. (Cl. 30—13.)

1. In grass cutting shears, a pair of double-edged blades pivotally connected at a point in a line intermediate of their cutting edges, the blades being adapted to pass one another so that the right hand edge of one blade may be brought into co-operative relationship with the left hand edge of the other or vice versa, the handles being positioned relative to the blades so that each handle is movable between two extreme positions at



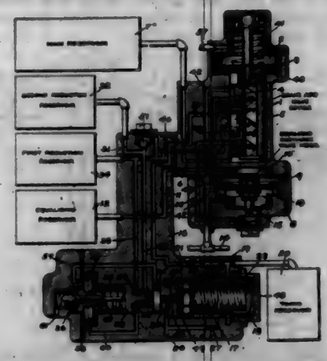
its own side of the line of cut, whereby cutting with one set of edges takes place as the handles are spread apart and with the other set of edges as they are brought together.

1,533,480. DRIER. WILLIAM STRICKER, Kansas City, Mo. Filed May 23, 1924. Serial No. 715,319. 10 Claims. (Cl. 34—19.)



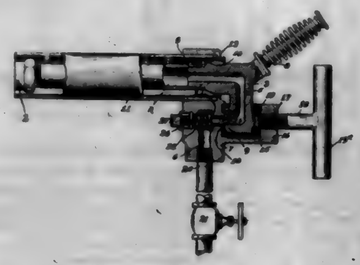
1. In a drier a container having an opening in one wall thereof, means for forcing air into the container through said opening, and a warm air duct leading from the lower portion of the container for discharging warm air to be forced into said opening.

1,533,481. FLUID-PRESSURE-BRAKE DEVICE. THOMAS H. THOMAS, Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 9, 1923. Serial No. 630,686. 18 Claims. (Cl. 303—18.)



1. In a fluid pressure brake, the combination with a brake pipe, of means for effecting a predetermined reduction in brake pipe pressure and means operated automatically upon completion of said predetermined reduction in brake pipe pressure for effecting a second reduction in brake pipe pressure.

1,533,482. BURNER HEAD AND MOUNTING. JOSEPH T. VOORHIES, Oakland, Calif., assignor to Coen Co., Inc., San Francisco, Calif., a Corporation of California. Filed Sept. 16, 1920. Serial No. 410,678. 6 Claims. (Cl. 158—73.)



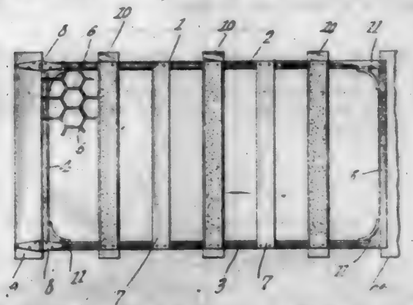
5. In a burner of the character described a stationary support, having a central opening formed in the upper end, a burner head retractable with relation to said opening and turnable therein, said burner head being substantially L-shaped and having a seat member formed on its lower end, a burner tube and nozzle supported by the burner head, and oil duct formed in the burner head communicating with the seat member and with the burner tube, a seat member formed on the stationary support, an oil duct formed in the stationary support connected with a source of supply and communicating with the central opening formed in the seat member and with the oil duct in the burner head, a rigid lug formed on the stationary support, a clamping screw carried by the lug, said clamping screw being positioned in alignment with the seat members and engageable with the burner head to insure engagement of the seat members, a valve carried by the stationary support, said valve having a projection formed thereon engageable with the burner head, said projection automatically opening the valve to permit an oil flow through the support and the burner head when the burner head is applied, and a spring for automatically closing the valve and the oil flow through the support when the burner head is removed.

1,533,483. EXHAUST-GAS REMOVER. JACK VOSS, Boyden, Iowa. Filed Aug. 14, 1924. Serial No. 732,132. 1 Claim. (Cl. 230—11.)



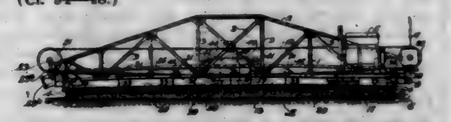
In combination, a frame, a drum mounted in the frame and provided with a slot leading inwardly from one end, guides arranged alongside of the slot, a fan disposed within the drum and including a pedestal extending through the slot and supported on the frame, and a plate slidable in the guide for engaging the pedestal and holding the fan and pedestal assembled in relation to the drum and frame.

1,533,484. POULTRY RACK. WARREN E. WALLER, Charles City, Iowa. Filed Dec. 26, 1924. Serial No. 758,203. 2 Claims. (Cl. 119—24.)



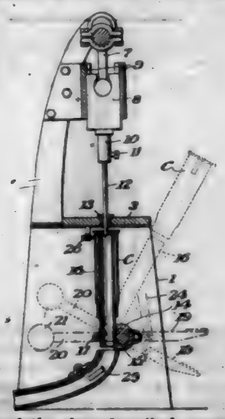
1. A poultry perch supporting rack made in the form of a skeleton frame having an open mesh wire arranged thereover and equipped with hinges for connecting it to a support at one end, the other end being designed to rest on a suitable support, and perches mounted on said rack.

1,533,485. CONCRETE-PAVEMENT-FINISHING MACHINE. GEORGE E. WEBB, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed June 15, 1921. Serial No. 477,779. 28 Claims. (Cl. 94—48.)



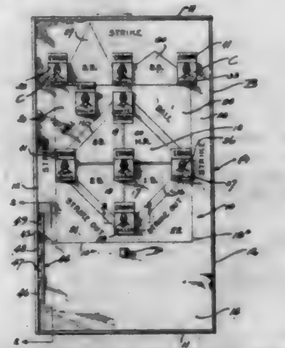
1. In a concrete finishing machine, the combination of a portable support a tamping apron thereon adapted to contact with the concrete surface to be finished, a vibrator thereon operating in engagement with said apron, means to move the vibrator along the apron and means for actuating the vibrator to press on and vibrate the apron.

1,533,486. METHOD AND APPARATUS FOR REMOVING PRIMERS FROM ARTILLERY CARTRIDGE CASINGS. AUGUSTINE WALTER WELCH, Philadelphia, Pa., assignor to Columbia Salvage Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1924. Serial No. 748,914. 9 Claims. (Cl. 86—1.)



1. A device of the class described comprising a punch, a cartridge casing support adapted to be shifted to move the shell into and out of alinement with the punch, and means to cause the automatic operation of the punch to detonate the primer charge and force the primer shell from the cartridge casing when the casing is moved into alinement with the punch.

1,533,487. GAME APPARATUS. WILLIAM L. WHITE, Newburgh, N. Y. Filed Oct. 18, 1922. Serial No. 595,355. 4 Claims. (Cl. 273—88.)



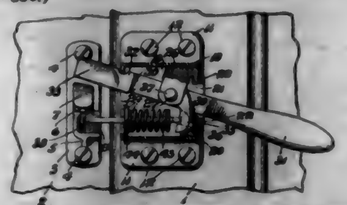
1. A game comprising a playing board subdivided into zones designating plays, movable player members, a playing element designating a ball adapted for rolling over said playing board, and a base indicating arrangement for a batting team disposed out of the bounds of the playing field.

1,533,488. SUITCASE AND LUGGAGE HOLDER. EMMET WILSON, Calexico, Calif. Filed May 29, 1922. Serial No. 564,593. 2 Claims. (Cl. 224—29.)



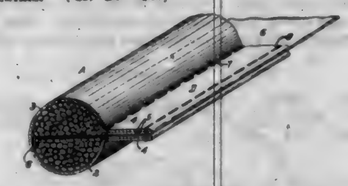
2. In a luggage carrier, a clamp member adapted to be secured to the running board of a vehicle and provided in the sides thereof with a plurality of spaced apart, oppositely disposed holes, means for securing said clamp member to said running board, resilient, laterally expansible luggage positioning members formed of flexible metal rods and provided at their inner ends with inwardly extending, oppositely disposed lugs adapted to extend into the spaced apart, oppositely disposed holes of said clamp member and pivotally support said luggage positioning members thereon, and means adapted to connect the free ends of the luggage positioning members for supporting the same at their free ends and retaining luggage therebetween.

1,533,489. LATCH. ALEXANDER F. WINTERS and BASIL R. CRAMPTON, Grand Rapids, Mich. Filed Apr. 27, 1923. Serial No. 634,951. 11 Claims. (Cl. 292—336.)



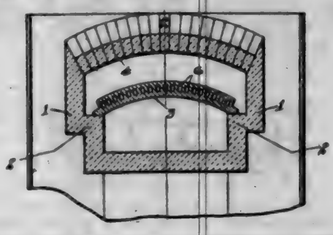
1. A latch comprising a housing, a latch lever pivotally mounted therein, spring means to action the lever to normally hold it in one position, and releasable latching means for holding the spring means out of operative relation to the lever whereby the lever is free for pivotal movement.

1,533,490. WEATHER STRIP. EDWARD J. WIBBS, St. Louis, Mo. Filed July 3, 1924. Serial No. 723,901. 8 Claims. (Cl. 20—69.)



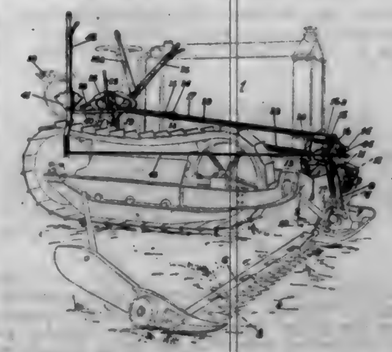
1. A weatherstrip comprising an elongated body of yielding packing, a strip of flexible pliable material having a tubular enclosing portion surrounding said packing and attaching portions extending from one side of said packing to form an attaching flange, a resilient element arranged within said weatherstrip and means whereby said resilient element is secured in place and said attaching portions secured together.

1,533,491. FURNACE FOR HEAT TREATMENT OF METAL. GEORGE F. WRIGHT and ALBERT S. KNAPP, Worcester, Mass., assignors to G. F. Wright Steel & Wire Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 23, 1923. Serial No. 653,238. 8 Claims. (Cl. 263—3.)



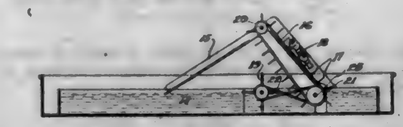
1. A furnace for the heat treatment of metal, comprising a casting provided with longitudinal passages for the reception of the material under treatment.

1,533,492. MOWING ATTACHMENT FOR TRACTORS. REMO C. ZANON, Modesto, Calif., assignor of one-half to John J. Ferlin, Modesto, Calif. Filed Aug. 31, 1920. Serial No. 407,248. 5 Claims. (Cl. 56—25.)



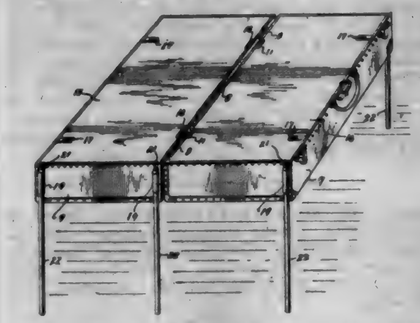
1. A mowing attachment for tractors comprising a cutting mechanism means for attaching said mechanism, to the tractor, means for enabling said mechanism to be tilted in a vertical plane lengthwise of the line of travel, an arm projecting up from the cutting mechanism, a lever mounted on the tractor, a rod extending therefrom to the arm and passing freely through the latter, and counteracting springs on the rod on opposite sides of the arm and bearing thereagainst, whereby the cutting mechanism may have a certain amount of tilting movement without disturbing the lever.

1,533,493. MECHANICAL TOY. CHARLES BATT, Jr., Sacramento, Calif. Filed Nov. 14, 1922. Serial No. 600,809. 2 Claims. (Cl. 46—37.)



1. A toy comprising a rectangular tank having a continuous waterway formed therein containing water, a plurality of buoyant miniature manikins, an inclined slide positioned above the water, an endless elevator inclined opposite to the slide and interposed between the upper end of the slide and the tank, pins on said elevtor for engaging the manikins and elevating them from the water to the top of the slide and there permitting them to plunge down the slide into the water, a paddle wheel in said waterway for creating a constant current therein to carry the manikins from the foot of the slide to the foot of the elevator, an operative connection between the paddle wheel and the elevator, and a crank for operating the same in unison.

1,533,494. TOURIST'S KIT. CHARLES BILLBURG, Detroit, Mich. Filed Dec. 21, 1922. Serial No. 608,138. 3 Claims. (Cl. 19—12.)

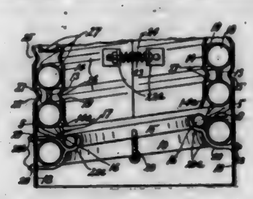


1. A tourist's kit comprising a container; socket bearing members on said container; legs adapted for insertion into said sockets each leg being provided with a pocket formed therein; a ball positioned in said pocket and adapted for projecting slightly therefrom; and means for retaining said ball normally projecting from said pocket.

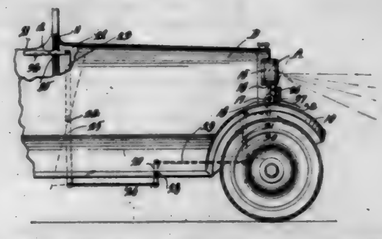
1,533,495. WATER HEATER. EDWARD C. DOELLE and EDWARD J. EGGERT, St. Paul, Minn.; said Doelle assignor to said Eggert. Filed Jan. 25, 1924. Serial No. 688,400. 4 Claims. (Cl. 122—250.)

1. In a water heater, a vertically arranged spiral water pipe, a cylindrical longitudinally split outer shell inclosing the coils of said pipe and adjusting means for causing said shell to engage the outer sides thereof, an inner longitudinally split cylindrical shell, automatic means causing said inner shell to continuously engage the inner sides of the said coils, means for heating the entire length of coiled pipe, and means for vertically spacing the adjacent coils of the water pipe, said heat-

ing means comprising a fuel conducting pipe fixed in parallel relation to the lowest spiral portion of the pipe, said fuel pipe having a row of outwardly and upwardly directed fuel outlet apertures adapted to direct flames from ignited fuel onto the adjacent surfaces of the water pipe.

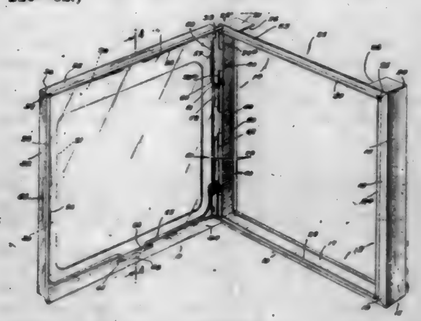


1,533,496. HEADLIGHT. PETER JOSEPH DOLLAR, Green Bay, Wis. Filed June 16, 1924. Serial No. 720,443. 3 Claims. (Cl. 240—61.)



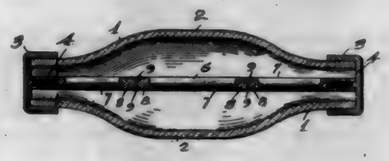
1. The combination with an automobile including a right-hand fender, of an attachment therefor including a headlight, a horizontally disposed shaft extending transversely across the fender and rotatably mounted thereon, a standard rigidly secured to the headlight and rotatably mounted on the shaft, an operating hand lever, means for operatively connecting the hand lever with the shaft for bringing about the rotation thereof upon actuation of the hand lever, a U-shaped yoke rigidly secured to the fender, and a radially extending arm secured to the standard disposed between the arms of the U-shaped yoke.

1,533,497. DETACHABLE CLOSURE FOR DISPLAY CONTAINERS. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed Dec. 4, 1922. Serial No. 604,734. 8 Claims. (Cl. 220—82.)



1. A closure structure designed for ready attachment to a display container, comprising an open main frame of sheet metal having side walls adapted to closely fit the walls of a container about the open mouth thereof and a front wall surrounding an opening in the front face of the frame, the front wall being reinforced by a metal rod enclosed in tubularly bent inward margins of said front wall, and a sheet metal cover having an apertured front wall and side walls, said sheet metal side walls formed to fit closely around the reinforcement of the front wall of the main frame, the cover being hingedly connected to the main frame by marginal portions of one of its side walls tubularly bent about said main frame reinforcement rod at one side of the main frame opening.

1,533,498. FUSE. JOHN H. HICKEY, San Francisco, Calif. Filed July 11, 1923. Serial No. 650,902. 4 Claims. (Cl. 200—131.)



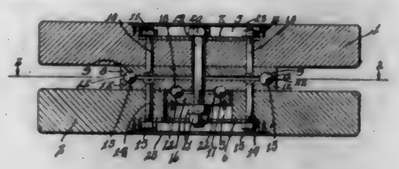
1. A fuse comprising an articulate conductor having segments provided with semi-spherical ends; and a fusible material connecting said semi-spherical ends of said segments whereby the same may be separated when said fusible material is melted.

1,533,499. INCUBATOR TRAY. DAVID M. HOLBROOK, Portland, Oreg. Filed Nov. 24, 1924. Serial No. 751,989. 6 Claims. (Cl. 119—44.)



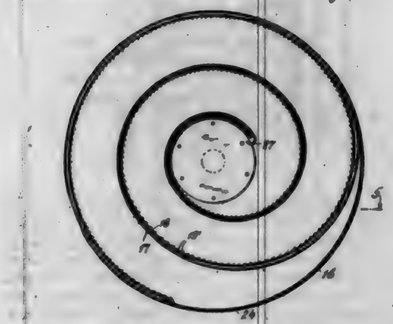
6. A turning device for pivoted troughs of an egg tray, comprising an elongated plate adapted to be disposed transversely under the troughs, one edge of said plate having spaced upstanding trough-engaging projections, the other edge of said plate having an upstanding flange whose upper edge is bent horizontally over said plate to hook over a portion of the tray.

1,533,500. DEVICE FOR DEMONSTRATING ANGULAR MOMENTUM. OLAF HOVDA, Evansville, Ind. Filed May 26, 1924. Serial No. 716,002. 4 Claims. (Cl. 35—16.)



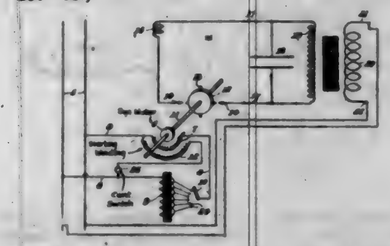
1. A device for use in demonstrating the conservation of angular momentum or energy of rotation comprising a pair of circular flat discs, bearing plates carried by said discs, and having registering ball races, balls in said races, a central pivotal member for securing said discs together, each of said discs having a recess for receiving said central pivotal member, plates for covering each recess to provide a flat surface on the faces of the plates opposite the bearing portions, and an auxiliary bearing plate carried by said pivotal member within one of said recesses, and auxiliary antifriction devices between said auxiliary bearing plate and one of said first named bearing plates.

1,533,501. SEPARATOR. BURTON S. HUGHES, Buffalo, N. Y., assignor to Zaremba Company, Buffalo, N. Y., a Corporation of Maine. Filed Dec. 8, 1920. Serial No. 429,071. 2 Claims. (Cl. 183—79.)



1. In a foam separator to remove entrained liquid from vapor, the combination of top and bottom walls, spaced walls to form a spiral passage terminating at an inlet and an outlet, the inner wall of the passage extending from the top to the bottom wall to prevent transverse communication between the convolutions of the passage and having a curved lip at the outlet end of the passage to prevent entrainment of liquid, the outer wall of the passage being perforated and having a plurality of tongues projecting in the path of the vapor in the passage.

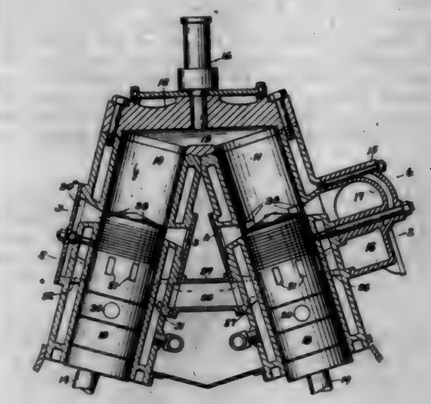
1,533,502. METHOD OF AND MEANS FOR ADJUSTING ROTARY SPARK GAPS OF WIRELESS APPARATUS. JAMES L. JENKS, Jr., Medford, Mass. Filed Feb. 11, 1922. Serial No. 535,814. 3 Claims. (Cl. 250—38.)



1. That method of adjusting a rotary synchronous spark gap which includes a rotary spark and is directly driven by a synchronous motor which consists in controlling the phase of the current supplied to the motor and thereby regulating the discharge according to the spark gap.

1,533,503. INTERNAL-COMBUSTION ENGINE. CARL H. KNUDSEN, Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del., a Corporation of Delaware. Filed June 18, 1921. Serial No. 478,582. 5 Claims. (Cl. 123—53.)

3. An engine of the class described comprising a pair of cylinders having a common combustion chamber, one of said cylinders being provided with intake ports and the other with exhaust ports, each of said cylinders being provided below the first named ports therein with other ports, means for placing the last named ports of both cylinders in communication, a compressed air supply means in communication with the last named ports of the exhaust cylinder, pistons in said cylinders for controlling said intake and exhaust ports in such manner as to open and close the exhaust ports in advance of the intake ports, said pistons being provided with



ports or passages adapted to register with the second named ports of the cylinders whereby air from said compressed air supply means may be passed directly into and through first the piston in the exhaust cylinder and then into and through the piston in the intake cylinder and into both cylinders through said intake ports, and means in each of the pistons for confining the air passed therethrough to the head end portions of said pistons.

1,533,504. LINE CLAMP. JOSEPH A. KUNZ, Hartford, Conn. Filed Nov. 8, 1921. Serial No. 513,640. 2 Claims. (Cl. 24—133.)



1. A line clamp including a body having a groove therein, a lever pivotally attached to the body within said groove and comprising an actuating arm, and a clamping arm, and means located on said body opposite said actuating arm and at the same end of the body for attachment of the end of a line thereto.

1,533,505. METHOD OF PRODUCING METALLIC TITANIUM OR ITS ALLOYS. SIMON JOSEPH LUDOWSKY, Jersey City, N. J. Filed May 3, 1923. Serial No. 636,458. 2 Claims. (Cl. 75—17.)

1. The method of producing metallic titanium which comprises treating a gray-black oxide of titanium by the application of heat in the presence of metallic aluminum.

1,533,506. BOW ATTACHMENT FOR SPECTACLES. WILLIAM A. MANN, Kankakee, Ill. Filed Mar. 12, 1923. Serial No. 624,549. 2 Claims. (Cl. 88—52.)



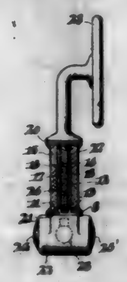
1. In an attachment for spectacles of the above described character, a convexo-concave member slidably supported on the bows of the spectacles, a screw threaded shank formed centrally of each of said convexo-concave members, means mounted on said screw threaded shank for holding said convexo-concave members in any adjusted position, and means for creating a suction between the concave face of each of the said convexo-concave members for supporting the glasses in position.

1,533,507. PUZZLE. NICOLAUS J. MAY, San Francisco, Calif. Filed Nov. 27, 1922. Serial No. 603,484. 1 Claim. (Cl. 273—157.)



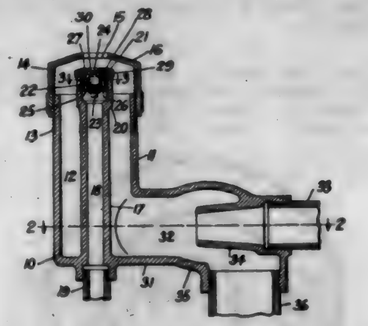
A puzzle consisting of four pieces which when laid in proper relation will form a predetermined figure of rectilinear outline, the face sides of said pieces being of the same color and the reverse sides being of a different color, said pieces being so shaped that when all are laid with the face sides uppermost, a figure other than that predetermined will be produced and when properly laid to form the predetermined figure one of the pieces is required to be reversed.

1,533,508. PROTECTOR FOR AUTOMOBILES. JOHN STROTHER MILLER, Jr., Rahway, N. J. Filed June 13, 1923. Serial No. 645,097. 7 Claims. (Cl. 40—3.2.)



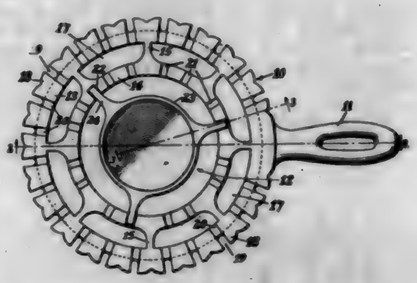
1. A protective device for automobiles comprising a frame of grooved cross-section material, a closure therefor, means for locking the closure, an extension from said frame adapted for a clamping fixture, spaced sight-glasses in the grooved frame, a stationary signal member intermediate the sight-glasses, said sight-glasses and signal member affording intervening spaces adapted to receive indentification data, and means housed below the frames for illuminating the device.

1,533,509. LIQUID AND GAS MIXER. ALBERT W. MORSE, Long Island City, N. Y. Filed Sept. 6, 1922. Serial No. 586,491. 3 Claims. (Cl. 158—11.)



1. In a liquid fuel and natural gas burner, a casing having one end cylindrical in shape forming a mixing chamber, a liquid fuel supply conduit extending through the said mixing chamber and being in central alignment therewith, a nebulizer at the outlet end of the said conduit, a gas connection and an air connection, the said air connection being provided with a nozzle converging toward the said chamber, and projecting into the said gas connection and being adapted to discharge air and gas into the said mixing chamber, and a cap at the end of the mixing chamber adapted to deflect the mixture of air and gas against the liquid fuel issuing from the said nebulizer at a velocity sufficient to prevent back firing.

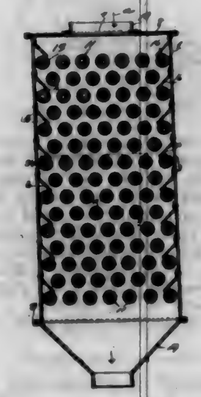
1,533,510. HEAT DISTRIBUTING AND OXIDIZING UTENSIL. WILLIAM J. NAGB, Los Angeles, Calif. Filed June 2, 1924. Serial No. 717,313. 3 Claims. (Cl. 126—215.)



1. A heat distributing and gas oxidizing utensil comprising a circular outer member provided with a handle and having passages from its upper to its lower surfaces and grooves in its upper surface communicating with said passages, and an inner member adapted to be removably supported in the center of said outer member so that vertical openings are left between said outer and inner members through which heat and fuel gas may pass.

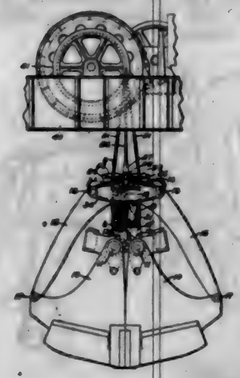
1,533,511. GRAIN-DRYING DEVICE. LOUIS A. NEMETS, Omaha, Nebr. Filed Nov. 14, 1922. Serial No. 600,893. 4 Claims. (Cl. 34—34.)

3. A grain drying device, said device comprising a casing rectangular shaped in horisontal cross section, horisontally and transversely disposed independently non-connected electric heating elements extending through the casing and supported in opposite walls thereof, said heating elements being arranged in horizontal rows, the adjacent rows being in staggered relation, downwardly and inwardly inclined deflecting plates in substantial



parallel relation to the heating elements and carried by opposite walls of the casing, said deflecting plates being disposed above the outer heating elements.

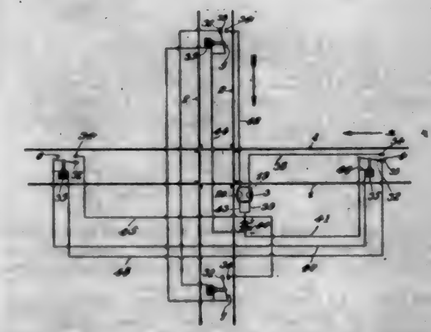
1,533,512. BUCKET. ALMON E. NORRIS, Brookline, Mass. Filed July 11, 1923. Serial No. 650,816. 7 Claims. (Cl. 37—186.)



1. The combination with a suitable support, of a grab having holding and opening and closing ropes connecting the same with said support, and means providing for longitudinal or transverse positioning of said grab with reference to said support.

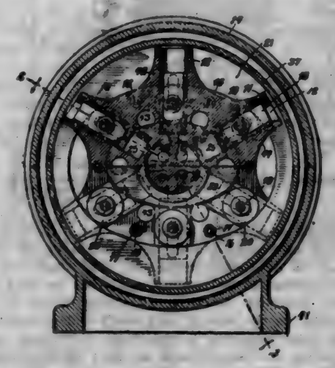
1,533,513. SIGNALING APPARATUS FOR RAILROAD CROSSINGS. EUGENE SILVESTER PEARCE, Philadelphia, Pa. Filed Mar. 12, 1924. Serial No. 698,576. 4 Claims. (Cl. 246—114.)

1. Signaling apparatus for railroad crossings including a lamp bulb; a cut-in switch on one side of the crossing electrically connected for illuminating the lamp bulb and adapted to be closed by a moving train; a cut-out switch on the other side of the crossing electrically connected for opening the cut-in switch and adapted to be



closed by the moving train, and means electrically connected with the cut-in switch for opening the cut-out switch after the cut-in switch is opened.

1,533,514. ROTARY ENGINE. CHARLES L. RAGOT, New York, N. Y., assignor to Ragot Motor Corporation, a Corporation of New York. Filed Jan. 31, 1923. Serial No. 616,019. 20 Claims. (Cl. 121—121.)

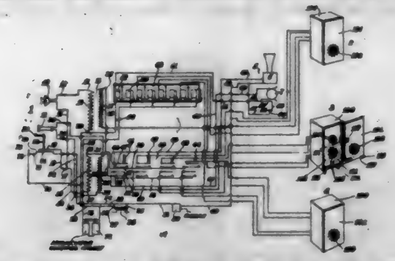


20. In combination a casing, an annular row of radially disposed cylinders integral therewith, said casing having a hub portion provided with annular passages therein, a motive fluid distributer rotatably mounted in said casing and having passages communicating with said first mentioned passages and having ports for communication with said cylinders, pistons in said cylinders, a track rigidly connected to said distributer and rotatable therewith, and means engaging said pistons and said track for reciprocating the pistons during the rotation of the track.

1,533,515. SIGNALING SYSTEM. DR ELBERT A. REYNOLDS, Yonkers, N. Y., assignor, by mesne assignments, to Audiphone Company of America, New York, N. Y., a Corporation of Delaware. Filed Feb. 3, 1921. Serial No. 442,051. 10 Claims. (Cl. 179—1.)

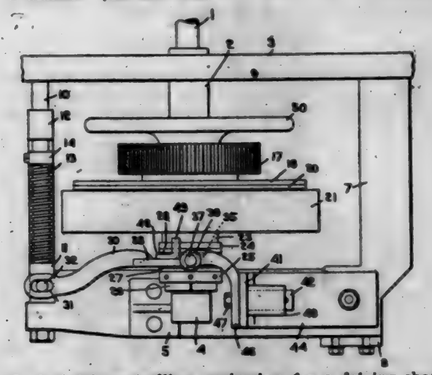
1. A police call system comprising a plurality of call boxes, each of said call boxes being provided with a loud speaking receiver and a sensitive transmitter, a central station comprising a transmitter and receiver therefor, and further comprising a set of individual switches respectively for said plurality of call boxes and sep-

arate circuit means for connecting the loud speaking receiver and the sensitive transmitter of any individual



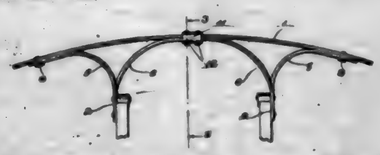
call box with its said individual switch and said central transmitter and said central receiver respectively independently of the remainder of said individual switches.

1,533,516. CLUTCH-CONTROLLING MECHANISM. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 16, 1922. Serial No. 588,569. 4 Claims. (Cl. 192—93.)



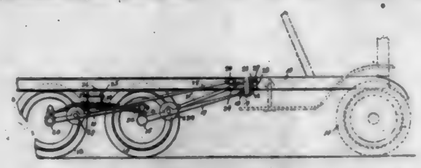
2. A clutch controlling mechanism for a driving shaft having fast and loose clutch members mounted thereon comprising an abutment carried by said shaft and fixed against longitudinal movement relatively to said shaft, a carrier pivotally mounted to swing about an axis perpendicular to the axis of said shaft and provided with separable yoke members, a controller fulcrumed in said yoke members to swing about an axis perpendicular to said shaft and provided with integral actuating members interposed between said abutment and said loose clutch member operable when swung about said fulcrum to exert force upon said abutment and said loose clutch member to force said loose clutch member into engagement with said fast clutch member.

1,533,517. BUMPER FOR MOTOR VEHICLES. JAMES H. SAGER, Rochester, N. Y., assignor to J. H. Sager Company, Rochester, N. Y., a Corporation of New York. Filed June 12, 1923. Serial No. 644,975. 4 Claims. (Cl. 293—55.)



2. A bumper supporting member comprising a flat anchoring portion provided with bolt openings, one in advance of the other, and two flat arms proceeding in a single vertical plane from the flat anchoring portion and extending in opposite directions.

1,533,518. AUTOTRUCK. FRED C. SCHLACK, Laurel, Oreg. Filed May 10, 1924. Serial No. 712,422. 2 Claims. (Cl. 180—22.)

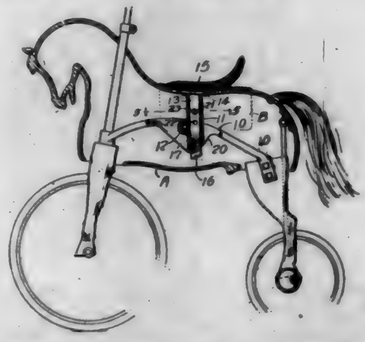


2. In an automobile truck having a frame and front wheels in combination with four drive wheels under its rearward end, the forward pair of said drive wheels carrying a pivoted bolster and having its axle joined by a tongue to said truck frame and having its rear axle joined by a reach to said front bolster, spring suspended between said rear axle and said front bolster, a bunk across said springs, a middle bolster pivoted over said bunk and secured to said truck frame, a separate differential for each of the two pairs of drive wheels, and means for driving both differentials from the main drive shaft.

1,533,519. METHOD OF PRODUCING METALS OR ALLOYS. CARL ROBERT SCHROEDER, Hoboken, N. J. Filed Nov. 22, 1919. Serial No. 339,905. 3 Claims. (Cl. 75—17.)

1. The method of producing metals or alloys from compounds comparatively high in impurities, which comprises effecting the aluminothermic reaction in the compound, and so regulating the amount of aluminum as to substantially restrict the reducing action to the desired metalliferous material.

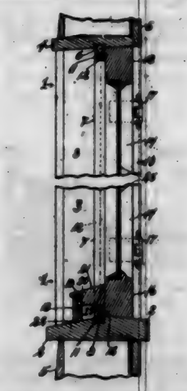
1,533,520. CHILD'S VEHICLE. JACOB K. SELENKOW, Brooklyn, N. Y., assignor to Hygrade Mechanical Toy Manufacturing Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 24, 1922. Serial No. 531,422. 4 Claims. (Cl. 208—42.)



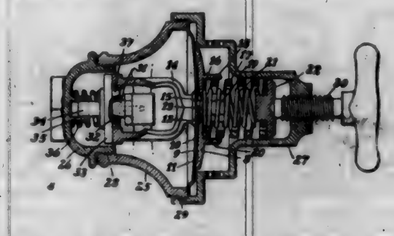
1. A child's vehicle comprising a relatively stationary frame, a movable body portion, a saddle, and locking means for causing the saddle to either remain fixed with relation to said stationary frame portion, or to derive its motion from said movable body portion.

1,533,521. CASEMENT WINDOW. ALBERT F. STUKEY, East Hollywood, Calif. Filed Sept. 27, 1922. Serial No. 590,992. 2 Claims. (Cl. 20—53.)

1. The casement window set forth comprising a frame having a sill that has top surfaces inclining downwardly from the center thereof toward the outer and inner edges of the sill; a stop in the top center portion of the sill; a sash hinged to said frame having a bottom rail adapted when in closed position to engage the top surface of the sill and the inside wall of said stop; a baffle plate secured to the sill and arranged adjacent said stop; and an extension to the bottom rail that is adapted to extend over said stop when said sash is in a closed position and to engage the top and a side surface of said baffle plate.

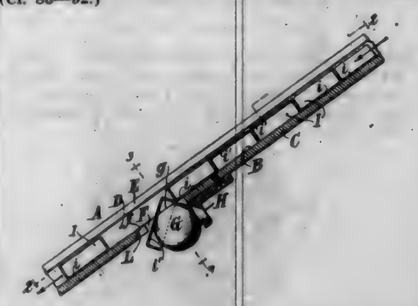


1,533,522. ADJUSTABLE DIAPHRAGM PLATE. ROY W. TADD, Los Angeles, Calif. Filed Sept. 4, 1923. Serial No. 660,696. 4 Claims. (Cl. 50—23.)



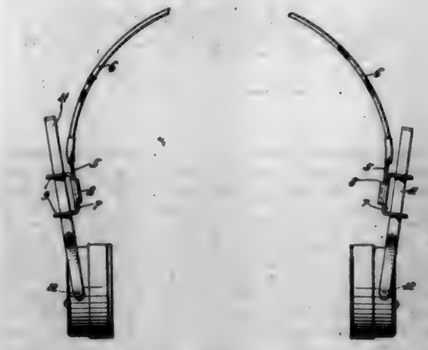
1. In a valve as disclosed, in combination with the regulating diaphragm thereof, means for adjusting said diaphragm to prevent collapsing thereof.

1,533,523. CUP SEPARATOR FOR FEEDS. WALTER THOMA, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed Nov. 25, 1924. Serial No. 752,077. 4 Claims. (Cl. 53—92.)



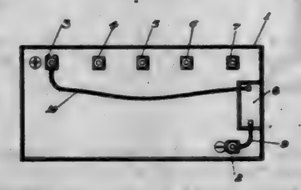
1. A feed mechanism for cups or the like, comprising a slideway on which said cups are adapted to move, an opening in said slideway through which improperly positioned cups are adapted to drop, and means in said opening adapted to support the bottoms of cups which pass bottom side down over said opening, and adapted to allow cups which pass hollow side down to fall into said opening, and out.

1,533,524. TELEPHONE HEADSET. EUGENE T. TURNEY, Holmes, N. Y., assignor to Eugene T. Turney Laboratories, Inc., Newark, N. J., a Corporation of New Jersey. Filed Apr. 26, 1922. Serial No. 556,573. 4 Claims. (Cl. 179—156.)



1. In a telephone head set, a head band carrying spaced lugs perforated to provide aligned bearings, a telephone receiver and a post connected therewith slidably and rotatably engaged in said bearings, said post comprising longitudinally separated strips spaced under spring tension to each yieldingly grip the bearings at longitudinally separated points.

1,533,525. COMBINATION ELECTRIC BATTERY AND CONDENSER. HARRY R. VAN DEVENTER, New York, N. Y., assignor to Dubilier Condenser and Radio Corporation, a Corporation of Delaware. Filed June 14, 1923. Serial No. 645,314. 5 Claims. (Cl. 136—88.)



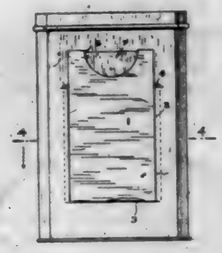
1. A unit structure comprising a plurality of battery cells, a casing therefor, and a condenser within said casing adapted to be connected to said battery cells.

1,533,526. PROCESS OF WATER AND FIRE PROOFING TIMBER. FERNANDO SOMOZA VIVAS, Oakland, Calif. Filed June 14, 1923. Serial No. 645,349. 3 Claims. (Cl. 99—12.)

2. The process of treating timber which comprises immersing the timber in a hot aqueous solution of borax, and calcium chloride and subsequently immersing the same in an aqueous solution of iron sulfate.

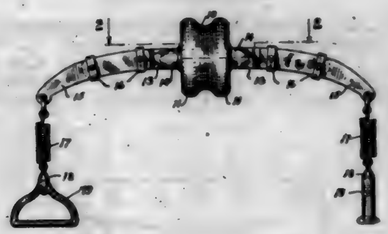
3. A water and fireproof timber comprising, wood having calcium sulfate and calcium borate deposited in its pores.

1,533,527. TOBACCO BOX. WILLIAM J. WARD, San Francisco, Calif. Filed July 23, 1923. Serial No. 653,194. 1 Claim. (Cl. 206—38.)



The combination with a tobacco can having spaced longitudinal slits in one wall and lateral entering slits formed in said wall at the upper ends of the first named slits, a plate for forming with said wall a pocket for cigarette papers, right angular flanges on the sides of the plate forming side walls of the pocket, a similar flange on one end edge of the plate forming the bottom wall of the pocket and outwardly extending flanges formed integral with the side flanges, adapted to enter the first named slits through the entering slits and to lie under said wall of the can to removably hold the plate in pocket forming position, said lateral flanges at their lower ends engaging the closed ends of the longitudinal slits.

1,533,528. MASSAGE INSTRUMENT. JOHN A. WEAVER, Greeley, Colo. Filed Oct. 18, 1923. Serial No. 669,232. 1 Claim. (Cl. 128—57.)



A massage instrument comprising, in combination, a shaft having threaded ends, a handle member, having a threaded socket, secured to one end of said shaft, said member having a ball raceway, a ball raceway threadedly secured to the other end of said shaft, a tubular member surrounding said shaft, a massage roller on said tubular member, said tubular member having a ball race at each end, balls between said tubular member and said raceways, a washer on said shaft, said washer having a diameter somewhat greater than the tubular member, and a handle portion engaging said shaft and engaging said washer.

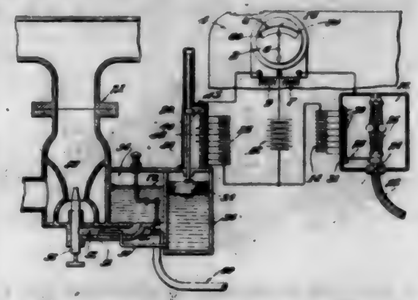
1,533,529. CLOCK MOVEMENT. FREDERICK WEHINGER, Waterbury, Conn., assignor to The Waterbury Clock Co., Waterbury, Conn., a Corporation. Filed Dec. 6, 1923. Serial No. 678,837. 5 Claims. (Cl. 58—46.)

1. In a clock-movement, the combination with movement-plates thereof, of a running main-spring barrel, a sleeve-like hub therefor, a removable main winding-arbor passing through the said sleeve-like hub and removable therefrom and having bearing in the said plates,



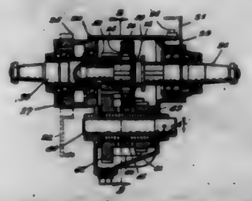
and a co-axial, supplementary winding-arbor, one end of which has pivotal bearing upon one end of the said main winding-arbor.

1,533,530. INDICATOR. RUSSELL H. WHEATLEY and LELAND V. CLARK, North Abington, Mass. Filed Oct. 6, 1919. Serial No. 328,644. 4 Claims. (Cl. 235—1.)



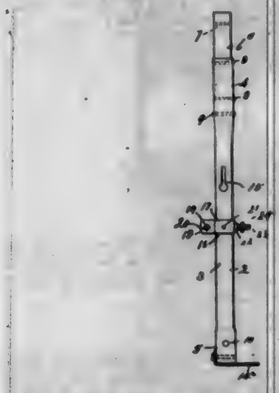
1. In a vehicle having an engine for propelling the same and a tachometer, the combination with a float chamber adapted to contain liquid fuel, means whereby the level of the liquid fuel is controlled in accordance with the rate of consumption of fuel by the engine, a float in the chamber, and devices controlled by the tachometer and the float for indicating the relation between the speed of the vehicle and the fuel consumed by the engine in propelling the vehicle.

1,533,531. AUXILIARY TRANSMISSION. SAMUEL O. WHITE, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed Apr. 14, 1921. Serial No. 461,289. 4 Claims. (Cl. 180—70.)



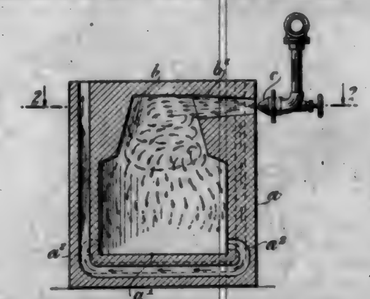
1. In an automobile the combination with a main transmission mechanism provided with a plurality of speed ratios, of an auxiliary transmission provided with a plurality of speed ratios and including two aligned shafts one of which is driven from the main transmission and a rotatable member in substantially the same vertical plane with the two aligned shafts and adapted to be driven from one of them independently of the other shaft, said rotatable member having a gear accessible on both sides and a casing for said auxiliary transmission mechanism provided with an opening or openings at one or both sides of said gear.

1,533,532. PICKER STICK. WALTER WILKINSON, Philadelphia, Pa. Filed Jan. 18, 1923. Serial No. 613,378. 2 Claims. (Cl. 139—157.



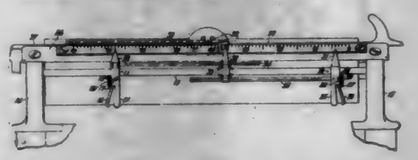
1. A picker stick comprising in combination, a metal body having a socket at each end and provided with a button hole slot, said slot adapted to receive suitable fastening means for connecting a check strap to the stick, a wooden filler in the socket at one end, said filler and the socket on which it is mounted having a hole therethrough to receive a stud, a wooden section reversibly and invertibly mounted in the other socket means to limit the inward movement of said wooden section, means to prevent the accidental displacement of said wooden section and a clamp adjustably mounted upon a metallic body, said clamp adapted to connect the sweep stick to the picker stick.

1,533,533. COMBUSTION CHAMBER FOR OIL-BURNING FURNACES. GOTTFRIED WIEBER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed June 6, 1922. Serial No. 566,238. 3 Claims. (Cl. 158—1.)



1. An over-fired oil or gas burning furnace having a hearth, a combustion chamber in the upper wall of the furnace of generally frusto-conical form and having its walls flaring downwardly and outwardly with respect to the hearth, an elongated fuel inlet opening frusto-conical in form and having its widest portion extending through the wall of the combustion chamber and discharging thereinto adjacent the upper end thereto and tangential thereto.

1,533,534. TYPEWRITING MACHINE. LOUIS L. ANSART, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 26, 1922. Serial No. 556,626. 9 Claims. (Cl. 197—187.)



1. In a typewriting machine, in combination, a carriage having a letter-feeding movement, margin-stops adjustable to different positions to determine the limits of movement of said carriage, and heading-centering means, comprising a half-letter-space scale on the carriage and a pointer to co-operate therewith, whereby the carriage may be brought to the proper preliminary position for typing the heading in centered position, with reference to the margin-stops, by placing in alignment the pointer and a graduation of the half-letter-space scale corresponding to the number of letter-spaces in the heading.

1,533,535. FLOWER AND FRUIT GATHERING PINCHING SCISSORS. MARCEL AUDIBERT, Salon, France. Filed Mar. 10, 1924. Serial No. 698,258. 1 Claim. (Cl. 30—24.)

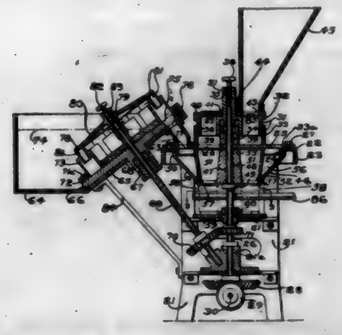


Flower and fruit gathering pinching scissor in which the one jaw only of the pinching scissor is carved out to receive a rubber block flush with a removable cutting blade fixed upon the one face of said jaw by means of screws holding at the same time the rubber block in its lodging, the other massive jaw serving as rest for the rubber block and as the counter piece to the cutting blade contacting with it when cutting.

1,533,536. CAN-FILLING MACHINE. CHARLES H. AYARS, Salem, N. J. Original application filed May 18, 1920, Serial No. 382,368. Divided and this application filed Oct. 8, 1921. Serial No. 506,299. 28 Claims. (Cl. 226—06.)

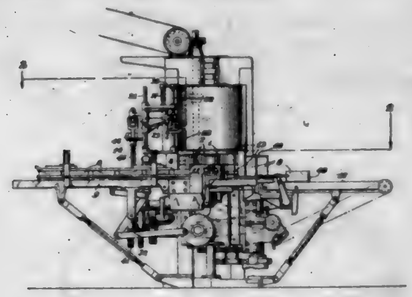
1. A can filling machine including a member having a port for discharge of liquid; means for causing cans to

travel under the port; means for segregating measured quantities of liquid, and traveling pockets adapted to receive the measured quantities of liquid, the pockets



having elongated restricted openings whereby liquid is carried beyond the port and gradually discharge into the cans.

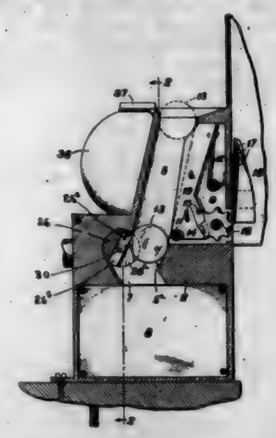
1,533,537. EJECTING MECHANISM FOR HOLLOW BODIES. JULIUS BRENZINGER, Fairfield, and PAUL H. LANGE, Bridgeport, Conn., assignors to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Nov. 22, 1922. Serial No. 602,506. 3 Claims. (Cl. 113—14.)



1. Ejecting mechanism for hollow bodies comprising: an upright rockshaft capable of an up-and-down movement, a detector member carried by said rockshaft to prevent downward movement of the rockshaft beyond a certain point when said detector member encounters a cover on a hollow body and to project within said hollow body when a cover is absent, reciprocating means which on its upstroke raises said rockshaft and which on its downstroke admits of the lowering of said rockshaft, and means for turning the rockshaft effective only when the detector member projects within the hollow body and permits the rockshaft to descend into the plane of said turning means.

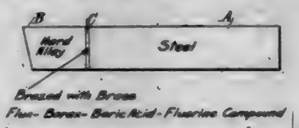
1,533,538. CHECK-CONTROLLED APPARATUS. DANIEL J. BUTTERFIELD, Los Angeles, Calif. Filed Feb. 4, 1922. Serial No. 534,062. 1 Claim. (Cl. 194—73.)

In a structure of the character described, a casing, a coin chute intersecting said casing, dispensing means including a spring pressed inner plunger having a head at its outer end provided with a transversely extending slot normally registering with the coin chute, the head having a pocket extending axially of the plunger, a strip movably mounted in the slot and adapted to be engaged by a coin placed in the chute and be moved to extend across the pocket, an outer actuating plunger spring held against inward movement and slidable into the pocket and adapted to impart movement to the inner plunger when a coin is positioned in the slot and the strip moved



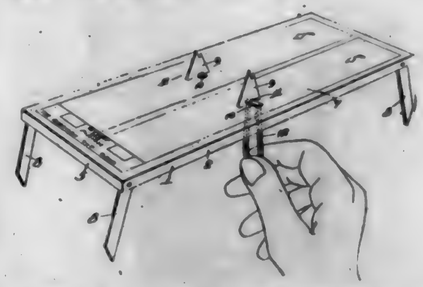
across the pocket and engaged by the inner end of the outer plunger, and an abutment in the coin chute for supporting the coin until the inner plunger is moved inwradly by the outer plunger.

1,533,539. METHOD OF UNITING PIECES OF CERTAIN ALLOYS TO ONE ANOTHER OR TO OTHER METALS OR ALLOYS, A FLUX FOR USE THEREIN, AND THE PRODUCT THEREOF. HENRY PRENTISS CLEVELAND, New York, N. Y. Filed Aug. 2, 1921. Serial No. 489,161. 10 Claims. (Cl. 148—23.)



1. A method of uniting one or more pieces of a chromium, cobalt alloy, or the like; to one another or to other metals or alloys, comprising applying a flux containing a fluorine compound and brazing the parts together with brass.

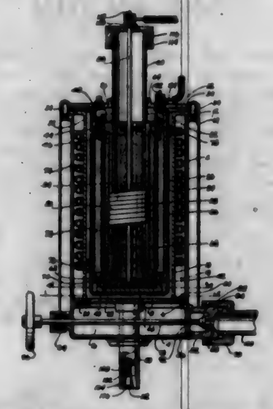
1,533,540. GAME. WILLIAM G. CRAIGEN, Aberdeen, Scotland. Filed Mar. 9, 1921. Serial No. 451,026. 1 Claim. (Cl. 273—86.)



A game of the character described comprising a rectangular frame having a relatively thin covering mounted on the top thereof, said frame adapted to be supported in a horizontal plane and high enough to permit the hand

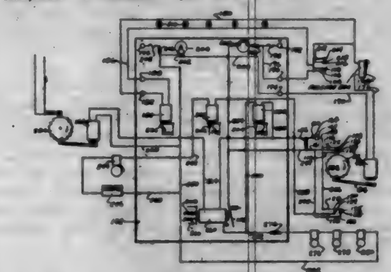
of the player to be extended beneath the frame, pivotally mounted folding legs mounted on the frame, game pieces shaped to simulate yachts, base members each consisting of a strip of metallic material folded upon itself at each end and having up-turned portions between which the lower marginal edge of a game piece is secured, permanent magnets designed to attract the base members of said game pieces, the top surface of the covering being inscribed to provide a race course having the starting and finishing points at one end, said metallic bases being attracted to the magnets for moving the game pieces when the magnets are moved beneath the covering.

1,533,541. ELECTRIC LIQUID-HEATING APPARATUS. JOHN H. DERBY, New York, N. Y. Filed Jan. 11, 1922. Serial No. 528,428. 18 Claims. (Cl. 219—38.)



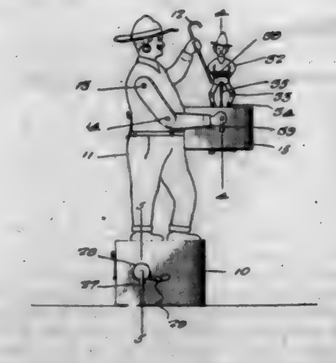
1. In apparatus of the class described, circuit terminals, metallic conductors connecting said terminals comprising an electric heating element, a liquid heat storage medium in which said heating element is immersed, a container for said liquid and means governed by variations in the heat in said liquid storage medium for automatically effecting compensating variations in the current flow through said heating element.

1,533,542. SIGNAL TRANSMITTER. JOHN H. DERBY, New York, N. Y. Filed June 17, 1922. Serial No. 569,069. 6 Claims. (Cl. 177—369.)



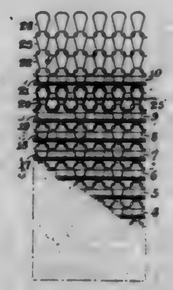
1. In an electric signal transmitting system, a transmitter box and a local signal circuit through which said box is arranged to transmit local signals, a second transmitter box and a circuit through which it transmits signals to headquarters, connections between the first box and the second transmitter box resistance in the connections to said second transmitter, and means at said first transmitter for cutting out said resistance when it is desired to automatically transmit a signal to headquarters.

1,533,543. FIGURE TOY. FRANK D'ONOFRIO, Wilmington, Del. Filed July 21, 1923. Serial No. 653,040. 2 Claims. (Cl. 46—40.)



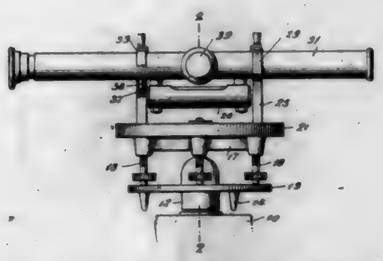
1. A musical toy comprising a base, a figure mounted thereon and shaped to represent a human figure, a box supported thereby, sound producing mechanism within the box, a spring motor within the base, a motor shaft operatively connected to the sound producing mechanism, whereby the latter may be actuated, a movable arm for the figure, means connecting the sound producing mechanism with the arm of the figure for moving said arm, a movable figure mounted upon the box, means operatively connecting the sound producing mechanism and the movable figure, whereby the latter may be actuated, a wheel mounted upon the motor shaft at one side of the base, a rod slidingly mounted upon the base for engaging the wheel to regulate rotation of the motor shaft, a spring for forcing the rod into such engagement and a lateral extension at one end of the rod to engage the base and prevent engagement of the rod and wheel.

1,533,544. FABRIC AND ART OF PRODUCING SAME. WILLIAM J. FOX, Philadelphia, Pa., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 25, 1923. Serial No. 659,351. 12 Claims. (Cl. 66—4.)



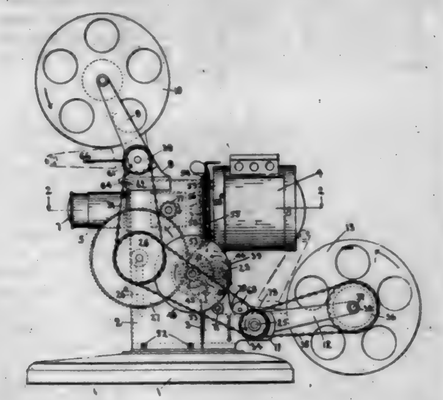
1. A fabric comprising filling strands arranged side by side, knitted binding thread courses having rows of connected loops extending longitudinally of and forming enclosures which confine the filling strands, a supplemental filling strand outwardly of the outermost filling strand confined by said loops at one edge portion of the fabric, and edge finishing threads sewed into certain of said loops and forming a line of overedge stitches enclosing said supplemental filling strand.

1,533,545. CONVERTIBLE LEVEL AND TRANSIT. JAMES GRIME, Troy, N. Y. Filed Feb. 28, 1924. Serial No. 695,686. 11 Claims. (Cl. 33—73.)



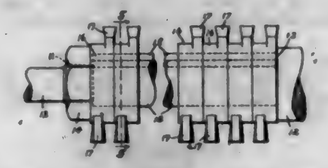
1. A convertible level and transit comprising a base provided with an annular vernier scale for measuring horizontal angles, there being an annular raceway formed in said base adjacent said vernier scale, a platform having an annular portion rotatably received within said raceway, a pair of spaced standards extending upwardly from said platform adjacent said raceway and located entirely within the inner edge of said vernier scale, a telescope adapted to be seated within said standards for use as a level, a spirit level associated with said telescope, a pair of trunnions rigidly secured to and projecting laterally from said telescope, and adapted to be seated within said standards, the distance between the outer faces of said trunnions being less than the inner diameter of said vernier scale whereby said trunnions will not obstruct the view of said scale when the instrument is used as a level.

1,533,546. MOTION-PICTURE PROJECTOR. CLARENCE B. HALL, Winthrop, Mass., assignor to Hall Projector Company, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1921. Serial No. 490,878. 6 Claims. (Cl. 88—17.)



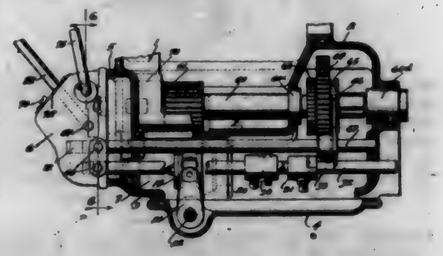
1. In a motion picture projector, the combination of two reels; mechanism, including two shafts and driving connections between said shafts and said reels, respectively, for causing the film to be unwound from one reel and wound onto the other; and two reel supporting arms, one for each reel, one arm being mounted to swing about the axis of one shaft from a normal, extended position to an approximately upstanding, retracted position without interrupting the driving connection of such shaft with its reel, and the other arm being mounted to swing about the axis of the other shaft from a normal, extended position to an approximately depending, retracted position without interrupting the driving connection of such shaft with its reel.

1,533,547. SLOTTING TOOL. HOSEA HATHAWAY, Brookline, Mass. Filed Jan. 23, 1924. Serial No. 687,916. 2 Claims. (Cl. 144—237.)



1. A slotting tool comprising a rotary spindle, and a plurality of annular collars fitted about and connected to the spindle to rotate therewith, each collar being provided with a pair of chisels, one positioned adjacent one edge of the collar and the other adjacent the opposite edge of the collar, and out of alignment with the first said chisel the arrangement being such that the chisels are disposed in a plurality of rows with those in each row in staggered relation to those in another row.

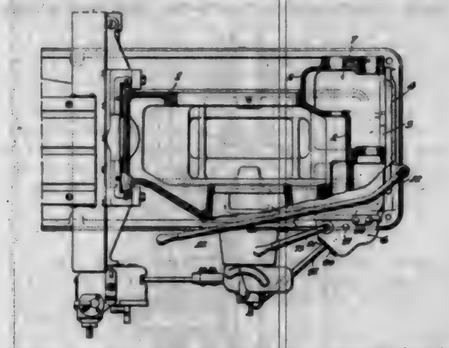
1,533,548. GEAR CASING FOR SHAPERS. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 21, 1922. Serial No. 576,439. 3 Claims. (Cl. 74—56.)



1. In a machine tool of the character disclosed, a hollow frame structure interiorly having cross walls integral with the main walls of the frame structure subdividing the interior of the frame into a plurality of compartments, one compartment thereof at one end of the frame structure providing a liquid lubricant holder and enclosure for transmission gearing, and subcompartments related to said compartment for independently housing respective portions of said transmission gear and guarding the same from the lubricant in said first named compartment, and a removable closure for one of said sub-compartments supporting actuating mechanism for transmission control connecting with controlling elements of said transmission gearing engaging into the sub-compartment.

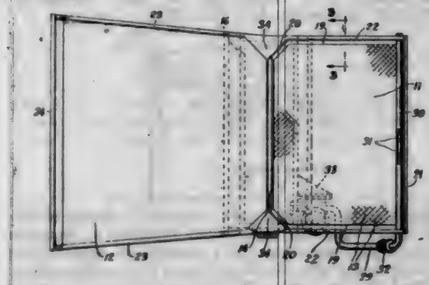
1,533,549. SHAPER. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 21, 1924. Serial No. 694,381. 5 Claims. (Cl. 74—89.)

1. In a machine tool of the character described, a hollow casing, said casing interiorly subdivided to provide a separate compartment, speed change gearing within said compartment, a closure cap for sealing an opening through a wall of the casing leading into said compartment, and a plurality of levers for controlling said gearing supported by said cap for localized control of said gearing, each lever integrally combining a shank



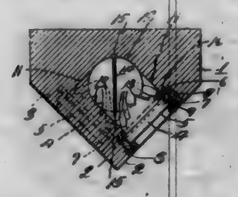
portion journaled in said cap and an extended handle portion at an angle to the shank portion, the handle portions of said levers extending in a corresponding direction beyond the cap.

1,533,550. DEVICE FOR OILING MOLDED LOAVES. LAWRENCE S. HESS, Middletown, N. Y. Filed Dec. 30, 1921. Serial No. 525,947. 14 Claims. (Cl. 91—18.)



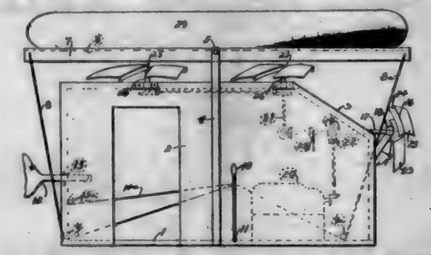
14. An oiling device comprising an elongated metallic member adapted to be supported in a position inclined to the horizontal, a portion of said member having a diagonally grooved surface, a supply tank, means for feeding oil to said surface and means for collecting and returning excess oil to said tank.

1,533,551. WATER GAUGE. FRANK L. HOMAN, Omaha, Nebr. Filed Oct. 10, 1922. Serial No. 593,518. 1 Claim. (Cl. 73—54.)



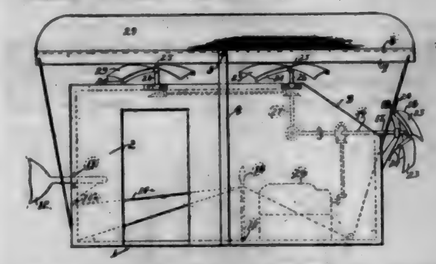
The combination with a water gauge having a sight opening therein, a round lens disposed within the sight opening, of a plurality of vertically disposed V-shaped ribs carried by the inner side of the lens, said ribs being in stepped relation to each other from centrally of the lens outwardly to opposite sides thereof.

1,533,552. PROPELLER. JAMES D. HORNBUCKLE, Sr., San Jose, Calif. Filed Dec. 3, 1923. Serial No. 678,315. 2 Claims. (Cl. 170—170.)



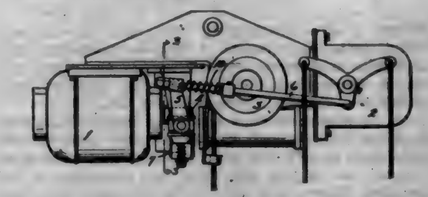
1. In an aeroplane a propeller comprising a plurality of rectangular blades arranged at substantially right angles to its axis of rotation, each blade being curved to bite into the air and having a flange formed on one edge only and extending at right angles to its operative surface and on the inner edge thereof and extending from the center to the outer edge of the propeller.

1,533,553. AEROPLANE. JAMES D. HORNBUCKLE, Sr., San Jose, Calif. Filed Nov. 17, 1924. Serial No. 750,321. 1 Claim. (Cl. 244—5.)



An aeroplane comprising a housing for the operator thereof, a standard rising from each side of said housing midway its length, a plane pivotally mounted on said standards and normally lying in a horizontal plane and having depending side edges, means for tilting said plane on its pivot, motor operated propellers mounted upon horizontal shafts at one end of the said housing, and motor operated propellers mounted upon vertical shafts on each side of said housing and extending thereabove.

1,533,554. BRAKE ATTACHMENT FOR HOISTS. FRANK H. HOWARD and HARRY W. HOFFMASTER, Reading, Pa., assignors to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Aug. 27, 1924. Serial No. 734,368. 3 Claims. (Cl. 192—2.)



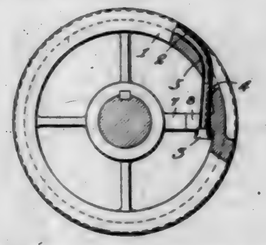
1. A brake attachment for electric hoists, comprising a brake, a brake lever, a spring for actuating the brake, a controller, a controller lever slidably connected to the brake lever, and a spring interposed between the controller lever and the brake lever whereby the lowering action of the hoist is controlled.

1,533,555. HOIST-CABLE-SECURING DEVICE. FRANK H. HOWARD, Reading, Pa., assignor to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1925. Serial No. 2,460. 2 Claims. (Cl. 24—123.)



1. In a hoist cable securing device, a pair of substantially hemi-spherical block members, a cable engaging pin carried by one member, depressions in the face of each member adapted to register with the depressions in the other member to form cable engaging space, a cable, provided with an enlarged extremity, lying within said space while the enlargement rests against the outer surface of the block members, and means for securing the two block members together.

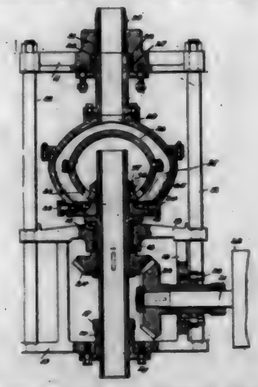
1,533,556. HOIST-CABLE-SECURING DEVICE. FRANK H. HOWARD, Reading, Pa., assignor to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1925. Serial No. 2,461. 1 Claim. (Cl. 242—117.)



In a cable securing device, a winding drum formed with a perforation whose one edge is inclined, a web on the inside of the drum, said drum having a cable receiving slot in alinement with the perforation, and a cable having an enlargement formed on its extremity, said enlargement being adapted to pass through the perforation and engage the slot, while that portion of the cable adjoining the enlargement on its end rests on the inclined surface on the edge of the perforation.

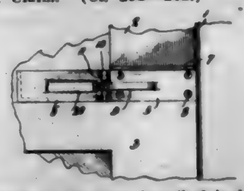
1,533,557. AMALGAMATOR. WILLIAM P. JOBSON, Philadelphia, and HARVEY S. SOUDER, Souderton, Pa., assignors to Souderton Manufacturing Co., Souderton, Pa., a Corporation of Delaware. Filed Apr. 27, 1921. Serial No. 464,790. 2 Claims. (Cl. 83—67.)

1. In an amalgamator, a frame, an exhaust pipe journalled vertically in said frame, an outer bowl screwed on the upper end of said pipe, an inner bowl screwed on the upper end of said pipe above the connection of the outer bowl thereto, said bowls being arranged with their sides and tops in spaced relation, said pipe terminating near the top of the inner bowl, said inner bowl having ports opening into the space between the bowl and the outer bowl having normally closed draw off ports, said inner bowl having an upwardly extending boss surrounding said pipe and projecting above the openings, the boss being provided with a frusto-conical upper end, an inlet pipe journalled vertically in the frame and communicating with the top of the outer bowl and having a counter sunk portion in its upper end, a pipe



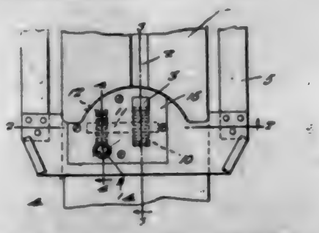
connection having the same internal diameter as the inlet pipe and fitted within the counter sink of said inlet pipe to swivel in relation thereto and means to rotate said bowls.

1,533,558. SASH ATTACHMENT. JOHN I. KOLTES, Milwaukee, Wis. Filed Jan. 16, 1923. Serial No. 613,030. 1 Claim. (Cl. 292—202.)



An attachment of the class described including a fixed leaf and a movable leaf hinged together so that the movable leaf may swing to a position in substantially the same plane with the fixed leaf or to a position superimposed on the fixed leaf, said movable leaf provided with a longitudinally extending slot and an extension disposed laterally at one end of the slot, said fixed leaf provided with a spring extending beyond the hinged edge thereof so as to engage the extension of the movable leaf to hold it in the same plane with the fixed leaf so as to extend through the slot of the movable leaf when superimposed on the fixed leaf.

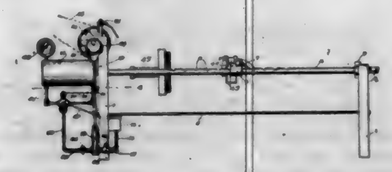
1,533,559. CUTTER-BAR JACK. JOHN LAPSHANSKY, Nokomis, Ill. Filed Sept. 8, 1924. Serial No. 736,611. 1 Claim. (Cl. 262—29.)



A device of the class described comprising a cutter bar provided with an elongated guide slot, a yoke extending crosswise of the top of said cutter bar and in slidable contact therewith, said yoke being provided with

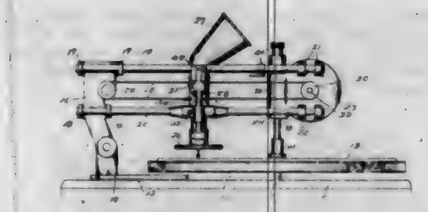
a vertically disposed bore in alignment with said slot, the upper side of the yoke being recessed, a cover plate for said recess, a base located beneath said cutter bar, a standard pivotally connected to said base and rising therefrom and extending slidably through said slot and then through said bore, one edge of said standard being provided with rack teeth, a shaft rotatably mounted in the aforesaid recess and provided on one end with a pinion in mesh with the teeth of said rack, and at its opposite end with a gear, a vertically disposed and rotatably mounted worm also located in said recess, and having its threads engaging the teeth of said gear, the shank of said worm extending through an opening in the aforesaid cover plate and having its extremity fashioned to permit engagement of the wrench therewith.

1,533,560. HYDRAULIC PRESS FOR CRANK SHAFTS AND THE LIKE. WILLIS W. LINDER, Salisbury, N. C. Filed Sept. 4, 1923. Serial No. 660,835. 1 Claim. (Cl. 29—86.)



In a hydraulic press, a pair of spaced, horizontal bars provided with notches, a fixed and a movable crosshead mounted on said bars, gravity-operated pawls carried by the movable crosshead and adapted to cooperate with the notches of the bars, said crossheads being formed with aligned grooves for the reception of an axle or the like, a plunger in alignment with said grooves, and means for operating said plunger.

1,533,561. RECORD-PRODUCING DEVICE. ARTHUR LINDNER, Newport News, Va., assignor of one-half to Raymond M. Brown, Newport News, Va. Filed Sept. 17, 1923. Serial No. 663,229. 5 Claims. (Cl. 274—13.)



1. In a sound reproducing and recording device, in combination, a rotatable record disk, a transverse guide member mounted above said disk, a sound box carriage mounted upon said guide member, a travelling belt, releasable means for clamping said carriage to said belt, and a stop secured to said guide member adapted to cooperate with said clamping means for releasing said carriage from said belt.

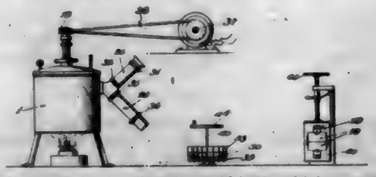
1,533,562. ELECTRIC-SWITCH-ACTUATING MECHANISM. HENRY PERCY MCCOLL, Melbourne, Victoria, Australia. Filed Aug. 21, 1922. Serial No. 583,600. 2 Claims. (Cl. 200—161.)

1. A pull cord electric switch comprising a pivoted switch arm having a pin on each side of its pivot, a spring fixed to the arm midway between said pins, a draw bar formed at each side with hooks having sloping



noses, and means to reciprocate said draw bar and retain it centrally of the switch arm, whereby said hooks alternately engage the pins.

1,533,563. METHOD OF RE-FORMING GOLF BALLS. SABATINO MAGGI, Chicago, Ill. Filed Dec. 27, 1922. Serial No. 609,285. 9 Claims. (Cl. 18—48.)



1. The method of re-forming golf balls which comprises simultaneously subjecting the balls to heat to soften the cover layer thereof and subjecting the balls to a rolling action to eliminate inequalities in the surfaces thereof.

1,533,564. CLIPPER ATTACHMENT. CHARLES Z. MANI, New York, N. Y. Filed May 12, 1924. Serial No. 712,855. 3 Claims. (Cl. 30—1.)



1. A hair clipper attachment comprising a guard plate having a plurality of teeth uniformly increasing in length from one side of the said plate to the opposite side, said teeth being of varying thickness.

1,533,565. SECURING DEVICE. CHARLES MENDLER, San Francisco, Calif. Filed Oct. 23, 1922. Serial No. 596,476. 2 Claims. (Cl. 24—217.)

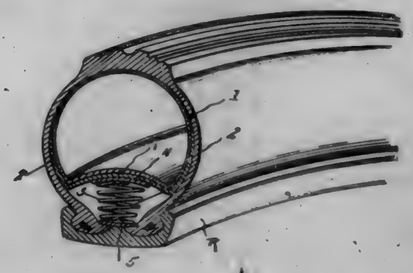


1. In a securing device, a clamping member comprising a rim having a pair of proximate spring clamping elements formed integral therewith and having oppositely disposed notches formed in the proximate edges thereof to frictionally engage a shank inserted therebetween the sides of said notches being angularly disposed and forming gripping seats to engage the shank at spaced points when sprung apart by said shank, to prevent longitudinal movement of said elements on said shank.

1,533,566. AUTOMOBILE TIRE. SOPHONIO A. NANTES, Chicago, Ill. Filed June 25, 1924. Serial No. 722,811. 1 Claim. (Cl. 152—8.)

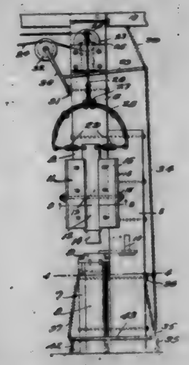
In an automobile tire, a casing, an inner tube therein, a rim to which the casing is connected, a follower interposed between the tube and the rim, and including a

transversely bowed central portion and arcuate side walls, the transversely bowed central portion engaging the tube and the arcuate side walls engaging the casing



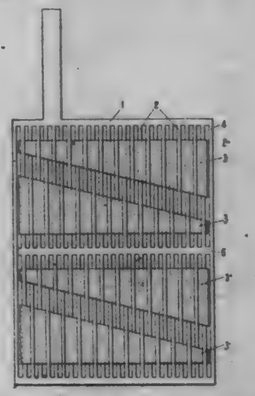
between the inner surface of the casing and the inner tube, and a plurality of springs mounted between the transversely bowed central portion of the follower and the rim.

1,533,567. TRIP HAMMER. WILLIAM C. NICOL, Everett, Wash., assignor of one-half to Alexander G. Paschke, Everett, Wash. Filed Oct. 2, 1923. Serial No. 666,147. 2 Claims. (Cl. 78—40.)



1. A power trip hammer comprising a supporting post, an anvil block, an anvil secured to the block, a supplemental supporting post secured to one side face of the main supporting post, a guide carried by the supplemental supporting post, a reciprocatory hammer head mounted in said guide, bearings carried by the supporting post, a rotatable drive shaft mounted in the bearings, and a crank carried by one end of the drive shaft, a pitman connected with the crank, a semi-elliptical leaf spring secured to the pitman rod, links connecting the terminals of the leaf spring with the upper end of the hammer head, a drive pulley secured to the drive shaft, a brake drum secured to the drive shaft, a brake band for the drum, a frame pivotally connected with the supplemental post, an idler pulley connected with the frame for engaging the drive belt, means connecting the brake band with the swinging frame, an operating lever secured to the frame at one side of the pivot, means for normally holding the frame away from said post and the idler pulley out of operative contact with the drive pulley belt and the brake band in operative braking engagement with the brake drum, a foot treadle carried by the lower end of the supporting post, means operatively connecting the lever with the foot treadle, and means for normally holding the foot treadle in a raised position.

1,533,568. NEGATIVE ELECTRODE FOR ELECTRIC ACCUMULATORS. ADOLFO POUCHAIN, Turin, Italy. Filed Mar. 24, 1921. Serial No. 455,274. 2 Claims. (Cl. 136—29.)

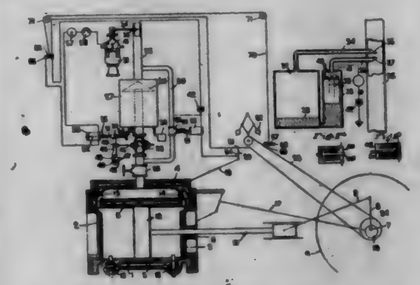


1. A negative electrode for zinc electric accumulators, comprising, a good conducting metal plate with a surface incapable of attack by the electrolyte in the accumulator in which the electrode is used, and zinc pieces carried by said plate, said zinc pieces being exposed over substantially their entire area to the electrolyte, whereby zinc is deposited on the said plate during charging of the accumulator, and dissolved therefrom during discharge of the accumulator.

1,533,569. ELECTRIC ACCUMULATOR. ADOLFO POUCHAIN, Turin, Italy. Filed Sept. 25, 1922. Serial No. 590,524. 4 Claims. (Cl. 136—29.)

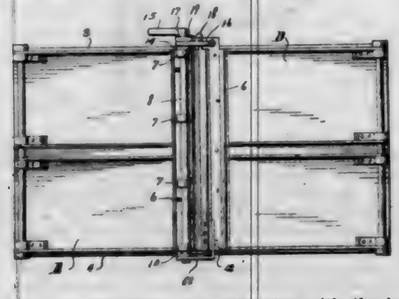
1. A method for preparing an electrolyte for electric accumulators comprising zinc as active material, comprising dissolving zinc sulphate, aluminium sulphate, sulphates of alkaline metals and mercuric sulphate in sulphuric acid, and then submitting this solution to a passage of electric current.

1,533,570. METHOD AND APPARATUS FOR CONTROLLING THE TRANSFORMATION OF FLUID ENERGY INTO WORK. JOSEPH G. PROSSER, Chicago, Ill. Filed Feb. 7, 1920. Serial No. 356,982. 11 Claims. (Cl. 121—148.)



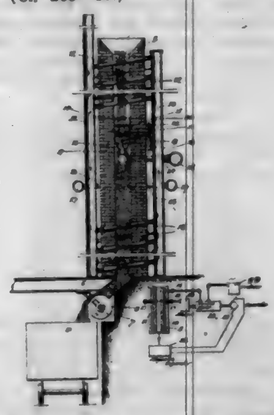
1. A vapor motor, a feed pipe leading thereto, means controlled by the speed of the motor acting to regulate the quantity of vapor admitted to the motor, a controlling valve in the feed pipe, an electric circuit and connections for operating said valve, an electric resistance in said circuit, means for varying said resistance in accordance with the variation in the differential in the dynamic and static pressures due to variation in the velocity of flow in the feed pipe, an elastic resistance balancing the movement of the controlling valve caused by said electric circuit and connections, the said electric circuit, electric resistance, connections, and elastic resistance including means for causing the opening in the feed pipe controlled by the controlling valve to vary with the said differentials in pressures whereby the said opening varies proportionally with the variation in velocity of flow in the feed pipe.

1,533,571. DROP DOOR FOR DUMPING CARS. WILLIAM R. PROUT, Elrama, Pa. Filed July 1, 1924. Serial No. 723,558. 3 Claims. (Cl. 105—308.)



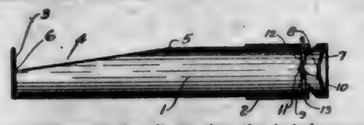
1. In a dumping car, in combination with the body, dropping doors therefor, a slidable bar carried by one of the doors and having an end portion operatively engageable, upon movement in one direction, with the second door and a wall of the body to hold the doors in closed position, and means coacting with the bar and the opposite wall of the body to hold the doors in closed position.

1,533,572. FURNACE. ROBERT H. RICHARDS, Boston, Mass. Filed Oct. 2, 1922. Serial No. 591,841. 6 Claims. (Cl. 263—30.)



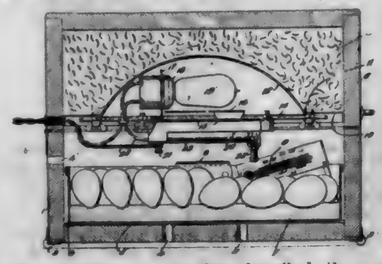
1. In an ore roasting furnace, the combination of a furnace shaft providing in order a drying zone, an ignition zone, a reducing zone and a cooling zone; a tubular heat-radiating structure in the drying zone; a tubular heat-abstracting structure in the cooling zone; means for passing a heat conveying fluid in a closed circuit through said heat-radiating and heat-abstracting structures; tuyères and off-takes for said reducing zone; and means for feeding a mixture of ore and fuel at a controlled rate through said zones in order, the fuel being burned in contact with the ore in said reducing zones.

1,533,573. PHORIOSCOPE. JOSEPH SPILLER, Seattle, Wash. Filed Mar. 12, 1923. Serial No. 624,514. 7 Claims. (Cl. 88—20.)



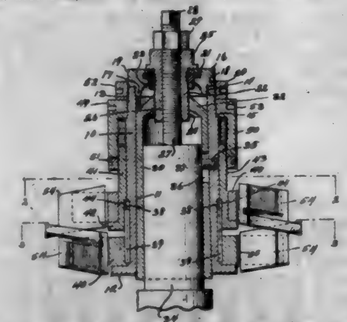
1. An instrument for diagnosing the imbalance of the ocular muscles comprising a telescoping casing having a chart in the far end; a sight opening in the opposite end; a testing device adjacent the sight opening and inside of the casing; and an opening in the side of the casing through which the chart in the far end may be seen.

1,533,574. POULTRY-RAISING APPARATUS. ROPER C. SPRATLING, Opelika, Ala. Filed Jan. 2, 1923. Serial No. 610,353. 3 Claims. (Cl. 119—37.)



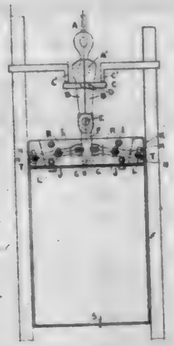
1. In a structure of the class described, the combination with upper and lower sections movably connected, of a reflector carried by the upper section, insulation interposed between the reflector and the upper section, a cover plate under and spaced from the reflector, a heater interposed between the reflector and the cover plate, an egg holding pan below the cover plate, and means for directing fresh air through the bottom of the structure and around the pan to the heater.

1,533,575. ADJUSTABLE CUTTER HEAD. WILLIAM HUNTER TOOLE, Lockhart, Ala. Filed Aug. 26, 1924. Serial No. 734,260. 9 Claims. (Cl. 144—218.)



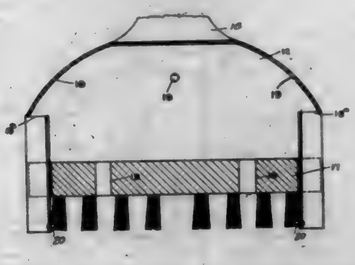
1. In a cutter head for woodworking machines, a main sleeve, means for attaching the main sleeve to a shaft, a pair of cutter disks carried by the main sleeve and having cutter heads, means upon the main sleeve for maintaining the cutter disks stationary with relation to the main sleeve with the cutters thereof in staggered relation, one of said cutter disks being adjustable toward and from the other of said cutter disks upon the main sleeve, and means for shifting the last named cutter disk to align the cutters thereof with the cutters of the other cutter disk.

1,533,576. SAFETY DEVICE FOR MINE CAGES, LIFTS, AND THE LIKE. WILLIAM FORSYTH TORRANCE, Dalmuir, Scotland, assignor of one-half to Arthur Clark Stewart, Clydebank, Scotland. Filed Apr. 14, 1923. Serial No. 632,050. 1 Claim. (Cl. 187—72.)



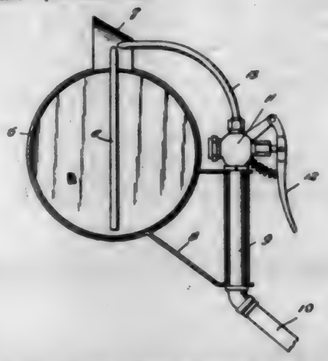
Safety apparatus for lifts, comprising in combination with arresting means, a lift-carried double bridle having outwardly and upwardly inclined slots near the ends and having upwardly and outwardly inclined beveled ends, wedge-shaped brake blocks arranged to engage said inclined beveled ends, levers pivotally mounted on said double bridle, having longitudinal slots in their inner ends, bolts connecting said brake blocks to the outer ends of said levers and arranged to operate in said inclined slots, a connecting rod, bolts connecting the same to the inner ends of said levers and arranged to operate in the slots of said levers, a pair of jaws pivotally connected to said connecting rod and having a socket formed in the opposing sides of their upper ends, a cable having a ball gripped in said socket between said jaws, a plate, and frangible pins securing said plate to said jaws to normally hold the jaws in closed gripping position, said plate being arranged to engage said arresting means in the event of over-winding of the cable.

1,533,577. WASHING PLUNGER. SIDNEY OSWALD ULLATHORNE VEAL, Harrogate, England, assignor to Vac-Scrub Company, Limited, South Shields, England. Filed Sept. 2, 1924. Serial No. 735,476. 1 Claim. (Cl. 68—5.)



A washing plunger comprising a casing provided with an open bottom, a piston member in said casing freely slidable toward and from the open bottom thereof, guides on said casing for said member, said member, and the casing above said member having openings therethrough for the ingress and egress of water, and brush-like clothes engaging means on said member.

1,533,578. ANIMAL-SPRAYING ATTACHMENT FOR MILKING MACHINES. GEORGE W. WALKER, Platteville, Wis. Filed Mar. 16, 1923. Serial No. 625,435. 1 Claim. (Cl. 299—88.)



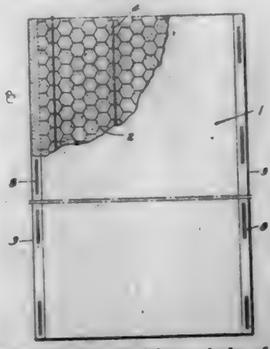
An animal spraying device including a tank, a bracket mounted on the tank and having a tubular handle portion, a pipe turnably mounted in the tubular handle portion of the bracket and traversing the length thereof, a valve casing mounted upon the pipe, a tube communicating with the interior of the tank and having an end portion disposed beyond the side thereof, and a second tube rigidly connected with the valve casing and provided with an angular configuration and having one end disposed adjacent the end of the first mentioned tube.

1,533,579. LOG-SPLITTING GUN. JOSEPH A. WEBBER, Vancouver, Wash. Filed Oct. 28, 1924. Serial No. 746,429. 5 Claims. (Cl. 89—1.)



1. A wood splitting gun comprising a body of hard steel tapered at one end whereby it may be driven into a log, the body being formed with a longitudinally extending bore extending approximately half the length of the body and designed to contain a charge and the body having an ignition opening extending laterally into the bore from the exterior of the body.

1,533,580. PLASTER BOARD. BENJAMIN WOODHOUSE, Seattle, Wash. Filed Aug. 22, 1924. Serial No. 733,521. 4 Claims. (Cl. 72—124.)



1. A plaster board comprising a body of plastic composition, a rigid reinforcing strips of channel form, embedded therein along its edges having a slot for the reception of anchor nails; said strips comprising relatively

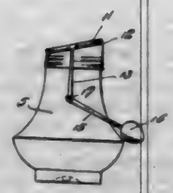
wide base flanges lying flush with a face of the board with a laterally turned flange at one edge overlapping the edge of the board and a laterally turned flange at its other edge embedded within the board.

1,533,581. SEPARABLE FASTENER. FREDERICK, O. BERG, Spokane, Wash. Filed July 26, 1924. Serial No. 728,446. 9 Claims. (Cl. 24—207.)



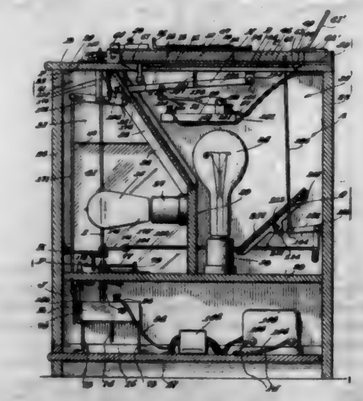
1. The combination with companion flap portions provided with beaded edges, of a series of runners having sliding connection with said edges and provided with loops, and a closure strip threaded through said loops and being held thereby in a position to close the space between said edges, said loops being crimped or deformed against said strip to anochor the latter to the former.

1,533,582. CONDIMENT HOLDER. JOHN DI BERNARDI, East Lynn, Mass. Filed Mar. 31, 1924. Serial No. 703,283. 1 Claim. (Cl. 65—45.)



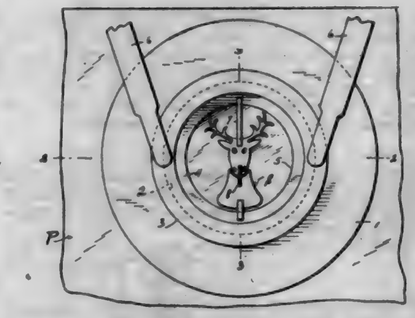
A condiment holder and distributor comprising a receptacle having a neck provided with a discharge opening, a cap applied to the neck, said neck having a central plane perforated portion covering the discharge opening, said plane portion being disposed at an acute angle to the central axis of said neck, a U-shaped bail, the arms of which are bent between their ends and provided at the juncture of the bend with pivot eyes, the upper portions of the arms extending upwardly in a vertical line from said eyes, and the lower portion inclining outwardly and downwardly, a counterbalancing weight carried by the intermediate portion of the bail, and a closing plate connected to the free ends of the vertical portion of the bail arm, said blade being disposed at an angle with respect to said arm to permit it to tightly contact the inclined surface of said cap, when the receptacle is in an upright position.

1,533,583. ELECTRICALLY-CONTROLLED PRINT BOX. AUGUST A. BRACY, Detroit, Mich. Filed Apr. 30, 1920. Serial No. 377,916. 22 Claims. (Cl. 95—73.)



1. In a photographic printing apparatus, a casing having a lamp therein and provided with means for receiving a negative and a sensitized element, an electric circuit for the lamp, a magnetic switch interposed in the circuit, a motor arranged to control the energizing of the magnetic switch, and means operated from the means for receiving the sensitized element for controlling the operation of the motor.

1,533,584. STENCIL. LOUIS H. CARUPEL, Minneapolis, Minn. Filed Sept. 22, 1923. Serial No. 664,217. 2 Claims. (Cl. 101—127.)



1. A device of the class described comprising a strip of material defining an opening, a member carried by the strip and partially overlying the central opening defined by the strip, and a separable member defining an opening, said member being snugly insertible within the opening defined by the strip, the strip and second member being of yieldable material and coplaner when in assembled relation.

1,533,585. TYPEWRITING MACHINE. CORNELIUS B. CONCORAN, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Nov. 9, 1922. Serial No. 599,760. 4 Claims. (Cl. 197—105.)

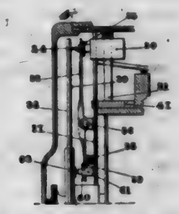
1. The combination with a typewriting machine, having a standard, a front plate and upper and lower screws, at each side of the front plate, for securing the front plate to the standard, of a keyboard-shield

having upper and lower ears thereon, at each side of the machine, for holding the shield to the machine by means of said screws; said ears having vertical slots therein, open at their lower ends, to receive the screws upon downward movement of the ears along the front



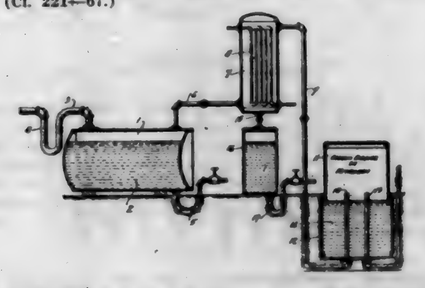
plate in placement of the shield, and to clear the screws upon upward movement of the ears along the front plate in removal of the shield; and the lower ears having inclined surfaces thereon, for camming the same clear of the upper screws in removal of the shield.

1,533,586. AUTOMATIC RECORDER FOR MACHINE OUTPUT. GEORGES DEBENNE, Courbevoie, France. Filed Jan. 12, 1922. Serial No. 528,742. 1 Claim. (Cl. 234—32.)



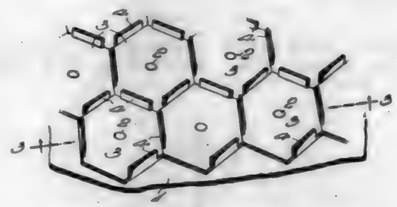
A recorder of the character described, comprising a rotatable record sheet, means for rotating the record sheet, a marking device, and means for actuating the marking device, in combination with an automatically acting spring pressed pivoted lever for moving the marking device away from the record sheet, after a predetermined period of operation of the recorder.

1,533,587. SAFETY DEVICE FOR GASOLINE STORAGE TANKS. WILLIAM E. DURBOROW, Columbia, Pa. Filed Oct. 5, 1922. Serial No. 592,549. 6 Claims. (Cl. 221—67.)



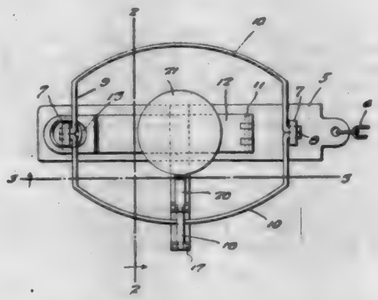
2. An apparatus of the character described, comprising, in combination with a gasoline storage tank, a floating bell designed to contain noninflammable gas and having a capacity greater than the capacity of the storage tank and a connection between the bell and the top of the gasoline storage tank, a condenser in said connection, and a receptacle connected to said condenser for the purpose specified.

1,533,588. TILE-MOUNTING DEVICE. ELMER E. ELLIS, Pomona, Calif. Filed Aug. 21, 1924. Serial No. 733,404. 4 Claims. (Cl. 41—1.)



1. A device for holding tiling while applying a sheet thereto, comprising a flat horizontal metal support upon which to rest a plurality of blocks of tile, and flanges integral with and rising from said support for reception between the blocks of tile to hold the latter in properly spaced relation, each flange having its ends spaced from adjacent ends of other flanges, permitting easy access to a corner or corners of each tile until obstructed by laying of another tile or tiles.

1,533,589. ANIMAL TRAP. VIRGIL M. FROGGE, Centralia, Mo. Filed Oct. 30, 1923. Serial No. 671,781. 1 Claim. (Cl. 43—88.)

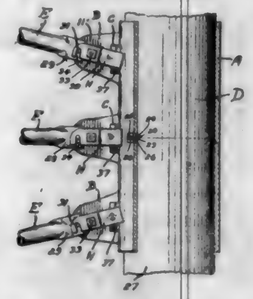


An animal trap comprising a base plate provided on its top and on its opposite end with vertically disposed posts, a pair of animal gripping jaws pivotally connected at their ends to said posts, a jaw closing spring surrounding one of the posts, an elongated spring compressing and jaw closing plate pivoted at one end to the base plate and extending in alignment with the latter, said operating plate being provided at its free end with an opening surrounding the last named post and engaging said spring, a metal strip secured to the intermediate portion of the base plate and extending laterally therefrom, said strip being bent upon itself at spaced points to provide vertically disposed standards having eyes at their upper ends, an animal depressing plate provided with a latch pivoted in one of said eyes, a pin pivotally connected to the remaining eye and extending over the edge of one jaw to permit its free end to be engaged by said latch.

1,533,590. TUBULAR-DRILLING-DERRICK ASSEMBLY. CLYDE JAMES GOUGLER, Tulsa, Okla. Filed Jan. 22, 1924. Serial No. 687,876. 6 Claims. (Cl. 189—19.)

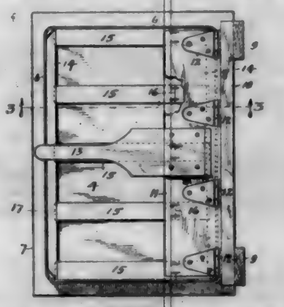
1. A connection for uprights comprising a sleeve having a longitudinally extending slot formed in each end thereof, outwardly extending ears formed on said

sleeve at one side of said longitudinally extending slot, companion lugs for said ears formed on the sleeve at the opposite side of said longitudinally extending slots



from said ears and co-acting means between said ears and lugs for rigidly clamping the sleeve about said uprights.

1,533,591. METAL TABLE-TOP STRETCHING METHOD AND MEANS. HARRY A. HALL, Newcastle, Ind., assignor to Hoosier Manufacturing Company, Newcastle, Ind., a Corporation of Indiana. Filed May 12, 1924. Serial No. 712,814. 5 Claims. (Cl. 153—1.)

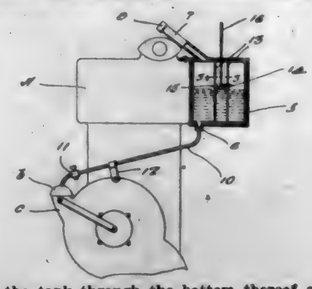


1. The herein described method of stretching sheet metal table-tops with side and end flanges, which consists of assembling the top with side rails capable of sliding movement away from each other, placing braces each comprising two transversely divided parts breaking outwardly, between the side rails with the two outermost ones in contact with the respective end flanges of the top, and applying pressure simultaneously to the braces at their joints to straighten the parts and slide the rails away from each other.

4. A sheet metal table top stretching device comprising a pair of side rails capable of sliding movement away from each other, a plurality of brace strips each in two transversely divided parts breaking in a direction away from the table top, at the resulting joints when first assembled on the table top, a hinged member adapted to simultaneously contact the broken joints of all of the brace strips, and a lever to move the hinged member against the joints to straighten the brace strips and slide the rails apart.

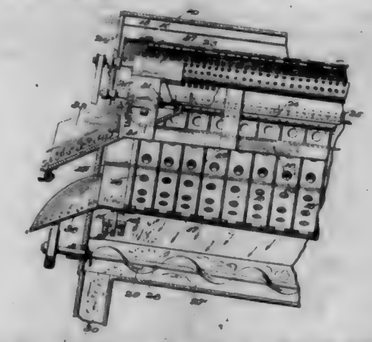
1,533,592. RESERVE OIL SUPPLY FOR VEHICLE ENGINES. FRANK D. HANES, Mullen, Nebr. Filed Jan. 2, 1924. Serial No. 684,025. 1 Claim. (Cl. 184—105.)

An oil supply device for an automobile machine comprising a tank having spaced vertically disposed rods located therein, a float movably mounted between the rods and provided at opposite edges with eyes which receive the rods, the stem carried by the float and passing through the top of the tank, a nozzle mounted upon the top of the tank and having its inlet end disposed beyond one of the vertical sides of the tank, a valve controlled outlet pipe communicating with the in-



terior of the tank through the bottom thereof and having its outlet end disposed beyond the same vertical side of the tank as that at which the inlet end of the nozzle is disposed and supporting means for the body and including a securing device disposed beyond the same vertical side of the tank.

1,533,593. COTTON-CLEANING MACHINE. VAN DON HARLAN, Humphrey, Ark. Filed Apr. 15, 1924. Serial No. 706,737. 8 Claims. (Cl. 19—36.)



1. A cotton cleaning machine of the character described, comprising a rotatable drum adapted to permit uncleaned cotton to be deposited therein, cotton gathering members carried upon the inner peripheral surface of said drum, a conveyor movable through the drum, and means adapted to deposit the cotton gathered upon said conveyor.

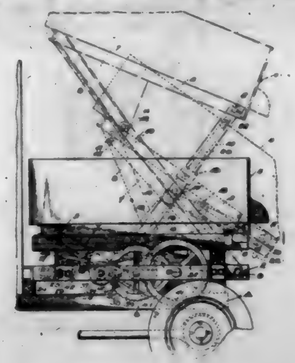
1,533,594. TANNING AGENT. FRANZ HASSLER, Volksdorf, near Hamburg, Germany. Filed Sept. 1, 1921. Serial No. 497,727. 4 Claims. (Cl. 149—5.)

1. A condensation product of aromatic hydrocarbon, sulphuric acid and sulphur, such product having tanning properties.

1,533,595. HOISTING TRUCK. JOSEPH DALE HERRON, Trenton, N. J., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J., a Corporation of New Jersey. Filed Dec. 19, 1924. Serial No. 757,015. 3 Claims. (Cl. 298—11.)

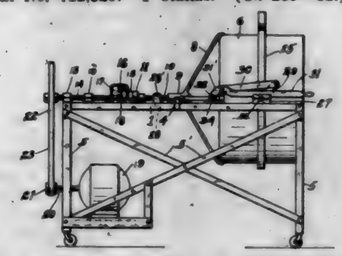
1. Apparatus of the character described, comprising, in combination with a vehicle frame and a load-carrying body, hoisting links connected to a fixed pivot carried by the frame and slidably engaging said body, inclined hoisting arms connected at the lower ends to a movable pivot mounted on the frame and pivotally connected at the upper ends to said links, hoisting stub-arms pivot-

ally connected at the lower ends to said links and at the other ends to said body, means for moving the pivot at the lower ends of said inclined hoisting arms, where-



by to raise the upper ends of said links, members movable into position to detachably connect the said hoisting arms and the said stub-arms in alignment and means carried at the end of the body and adapted for actuation to move said members into operative or inoperative position.

1,533,596. WASHING MACHINE. HOBART M. HINKEL, Springfield, Ohio, assignor of one-fourth to Carson Dinges, Springfield, Ohio. Filed May 12, 1924. Serial No. 712,529. 4 Claims. (Cl. 259—81.)



1. In a washing machine, an unenclosed cylinder adapted to receive the clothes and washing fluid, a pivoted annular member upon which said cylinder is mounted to rotate, means for rotating said cylinder, said means being arranged in line with the axis of rotation of said cylinder and including a clutch, a removable lid for one end of said cylinder, and means for tilting said cylinder together with its supporting member to bring the lid in an upper horizontal position.

1,533,597. DEPOSITOR FOR PLASTIC MATERIALS. ROBERT SCOTT HISLOP, Racine, Wis., assignor to Racine Confectioners' Machinery Company, Racine, Wis. Filed June 5, 1924. Serial No. 718,000. 6 Claims. (Cl. 107—28.)

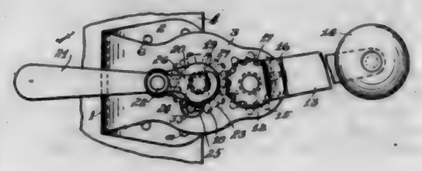


4. In a depositor for plastic material, a valve casing, a valve member therein, said valve member having a recess the end walls of which are provided with grooves, and a plunger movable in said recess to expel the material therefrom.

1,533,598. PROCESS OF TREATING FABRICS AND THE PRODUCT THEREOF. JACOB S. HOFFMAN, New York, N. Y. Filed June 7, 1921. Serial No. 475,609. 4 Claims. (Cl. 134—79.)

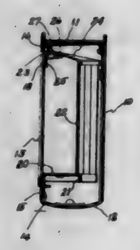
8. Fibrous material whereof the constituent fibers are impregnated with a transparent water-proof mixture of celluloid amyl acetate and formaldehyde in about the proportion of celluloid 20 parts, amyl acetate 60 parts, and formaldehyde (40% aqueous solution) 20 parts.

1,533,599. CAN OPENER. FRANK B. LA MAY, Rochester, N. Y., assignor to La May-Smith-Walker, Inc., Rochester, N. Y. Filed June 24, 1924. Serial No. 722,010. 10 Claims. (Cl. 30—8.)



1. In a can opener, a lever pivoted intermediate its ends, a stud rotatably mounted in one arm of the lever, a disc cutter fixed to said stud, and means for releasably holding the stud in said lever and against axial movement.

1,533,600. RECORDING BOOK BANK. JOSEPH LEVINE, Brooklyn, N. Y. Filed May 15, 1923, Serial No. 639,048. Renewed Mar. 7, 1925. 15 Claims. (Cl. 232—4.)

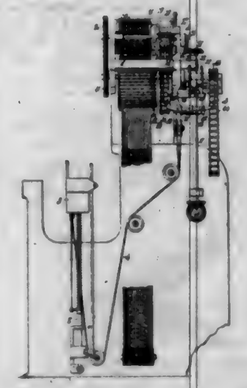


1. A recording book bank comprising a rectangular casing, one side of said casing being open, a removable door covering said opening and having slots therein, a hinge pin mounted on said door, spring arms on said hinge pin normally covering said slots, a platform on said door, coin-receiving cylinders on said platform, a cover plate pivoted on said hinge pin and adapted to cover the cylinders, a locking bar in said casing, and means on said cover plate for engaging the locking bar.

1,533,601. PATTERN MECHANISM FOR LOOMS. WILLIAM J. LUTTON, Paterson, N. J., assignor of one-half to Maurice Franck, Paterson, N. J. Filed Aug. 28, 1923. Serial No. 659,760. 10 Claims. (Cl. 139—326.)

1. In a pattern mechanism of a loom, the combination with a shuttle box pattern chain, a multiplier pattern

chain, mechanism coacting with said chains to control the movement of the chains, and vibrating levers, of a



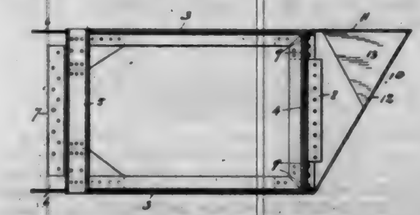
supplemental shuttle box pattern chain, rocking levers coacting therewith and connected to the vibrating levers, and means for rendering said rocking levers inoperable.

1,533,602. WRENCH. EARNEST R. LYNCH, Hilmar, and HOMER A. MEAD, Turlock, Calif., assignors to Masterench Corporation, a Corporation of California. Filed Nov. 21, 1921. Serial No. 516,589. 2 Claims. (Cl. 81—99.)



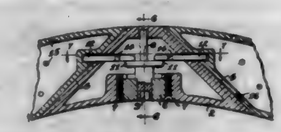
1. A wrench comprising a bar with a fixed jaw on one end and a handle on the other, and a swinging jaw pivoted thereto adjacent the fixed jaw, said swinging jaw having a flat gripping surface extending substantially at right angles to a radial line passing through the pivot center and said gripping surface where it intersects another flat gripping surface of the movable jaw, the said intersection being substantially double the distance from the pivot center that said pivot center is from the intersection of the aforesaid radial line with the outer face of the fixed jaw when the movable jaw is closed.

1,533,603. COAL-BUCKET PLOW. NORMAN H. MCCLEVEE, Petersburg, Ind. Filed Jan. 12, 1925. Serial No. 2,017. 7 Claims. (Cl. 37—147.)



1. The combination, with a coal gathering bucket, of a plow having an oblique side which extends from one side of the path of the bucket to the other.

1,533,604. MANDREL. HARVEY F. MARANVILLE, Akron, Ohio, assignor, by mesne assignments, to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Dec. 11, 1919. Serial No. 344,131. 11 Claims. (Cl. 18—45.)



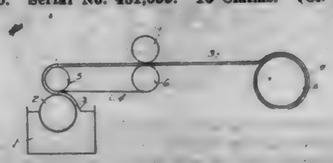
4. In a mandrel, the combination with a substantially torus-shaped body made in one piece and subtending nearly but not quite a complete circle and having inclined ends spaced apart to provide a gap much wider at the inner circumference of the mandrel than at the outer, of a removable section adapted to fit in said gap and to complete the contour of said mandrel, and a longitudinally protrudable latch carried by said removable segment, the end of the body having a recess adapted to receive said latch.

1,533,605. DENTAL AND SURGICAL LAMP. CHAUNCEY R. PELTON and HAROLD W. HOUGHTON, Detroit, Mich., assignors to Pelton & Crane Company, Detroit, Mich., a Corporation of Michigan. Filed May 16, 1923. Serial No. 639,311. 4 Claims. (Cl. 128—23.)



1. A dental or surgical lamp, comprising an elongated transparent tube having at the end an enlarged bulbous head, thickened on one side thereof to form a lens, a non-transparent white glass covering entirely surrounding said transparent tube except at the lens portion thereof, and light projecting means within said bulbous head.

1,533,606. PROCESS OF PRODUCING RECEPTACLES. RAY P. PERRY, Upper Montclair, N. J. Filed Dec. 16, 1920. Serial No. 431,099. 10 Claims. (Cl. 92—66.)

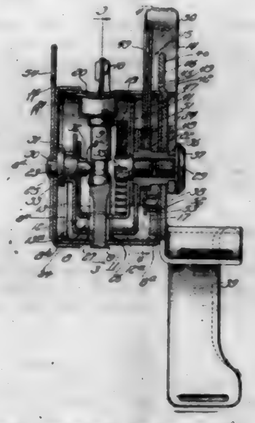


3. The process which comprises forming a receptacle from a sheet containing felted fibrous material and waterproofing material in which a large percentage of said fibers extend in the same general direction, pressing said receptacle in directions substantially perpendicular

to said fibers at such a temperature that said waterproofing material is melted and at such a pressure that the density of the receptacle becomes substantially the same as that of said waterproofing material

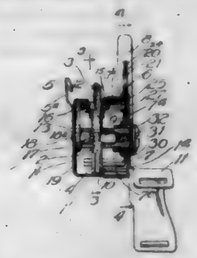
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1,533,607. KNOTTER. BURT A. PETERSON, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois (1922). Filed Apr. 1, 1920, Serial No. 370,394. Renewed Apr. 2, 1924. 22 Claims. (Cl. 289—5.)



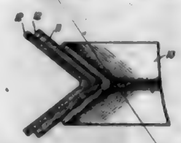
1. A knotter comprising, in combination, a supporting structure, a spindle journaled therein, a tying bill at one end of the spindle, thread-guiding means on the supporting structure, a rotatable stem journaled in the supporting structure, a driving member fixed to said stem and having an operative connection with said spindle to rotate it, a member relative to which said stem is adapted to rotate and having a gearing connection with the spindle, and a device connected with the last mentioned member whereby a rotation of said spindle effects a relative swinging movement between the tying bill and said device to strip the looped thread from the tying bill.

1,533,608. KNOT-TYING IMPLEMENT. BURT A. PETERSON, Rockford, Ill., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois (1922). Filed Apr. 1, 1920. Serial No. 370,395. 30 Claims. (Cl. 289—5.)



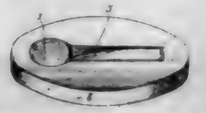
9. A knotter comprising, in combination, a stationary casing formed in two sections, a tubular stem disposed on a horizontal axis in said casing, a bracket fixed on said stem, a spindle journaled in said bracket and extending transversely through said stem, means for rotatably securing one end of the stem to one wall of the casing, a stud mounted on the other wall of the casing and providing a bearing for the opposite end of said stem, said spindle having within the stem an annular groove and said stud having a portion projecting into said groove whereby to prevent longitudinal movement of the spindle, a tying bill on the spindle, means for guiding and holding threads to be united in operative relation to said tying bill, and means for imparting rotary and swinging movement to the spindle and tying bill.

1,533,609. METHOD OF MANUFACTURING TUBE PROTECTORS. FRED BROWN PFEIFFER, Akron, Ohio, assignor to The Star Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 27, 1923. Serial No. 671,083. 5 Claims. (Cl. 18—56.)



1. The method of manufacturing tube protectors, comprising forming a length of rubber of even thickness throughout, wrapping the rubber about a ring substantially V-shape in cross section, curing the rubber while upon the ring whereby it is given a circumferential curvature and a circumferential valley, skiving the edges of the strip, and cutting protectors therefrom.

1,533,610. HOLDER FOR SMOKING PIPES. GEORGE G. PLACE, Chicago, Ill. Filed Sept. 19, 1924. Serial No. 738,581. 1 Claim. (Cl. 131—10.)



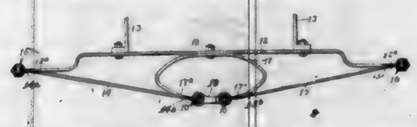
A holder for smoking pipes including a member formed to seat flat on a supporting surface and having its upper face provided with a cup-like socket and a trough leading at its inner end from the socket and merging at its outer end into the upper face of the member, the trough being inclined throughout its length and formed to receive the pipe stem and the bottom of the socket being disposed in the plane of the bottom of the trough and formed to engage the bottom of the pipe bowl whereby to firmly support the stem and bowl and with the pipe at a relatively slight angle to the plane of the member, the walls defining the socket being of such depth so as to engage and hold the pipe bowl from rocking.

1,533,611. ELECTRICAL CONDENSER AND METHOD OF MANUFACTURING THE SAME. WILLIAM R. RENPESS, St. George, N. Y., assignor to New Jersey Research Company, a Corporation of New Jersey. Filed Dec. 22, 1923. Serial No. 682,288. 7 Claims. (Cl. 250—41.)



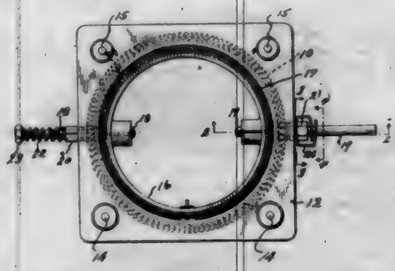
1. The method of making a condenser which consists in coating metallic armatures with rubber in solution, evaporating the moisture content from said coating on said armatures leaving a rubberized insulated film and building up said armatures one adjacent another to form a condenser.

1,533,612. BUMPER FOR MOTOR VEHICLES. CHARLES G. ROSS, Chicago, Ill., assignor of one-half to William L. Ross, Chicago, Ill. Filed May 29, 1924. Serial No. 716,578. 19 Claims. (Cl. 293—55.)



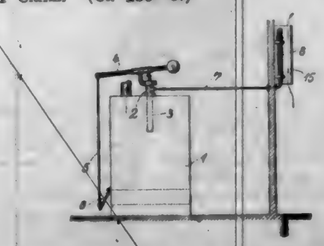
1. In a bumper construction, the combination of two bars disposed so that one end of one bar is adjacent one end of the other bar, a tubular member having slot means adapted to receive the aforesaid ends of said bars, and means for holding the aforesaid ends of said bars within said member.

1,533,613. VARIOMETER CONNECTER. ABRAHAM RUBIN, New York, N. Y., assignor to Henry Hyman & Co., Inc., New York, N. Y., a Corporation of New York. Filed Sept. 22, 1922. Serial No. 589,774. 5 Claims. (Cl. 171—142.)



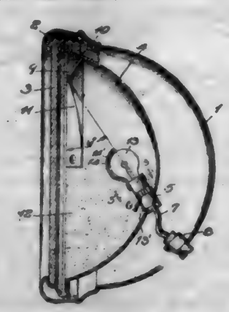
3. The combination in an apparatus of the class described of a fixed element, bearings, shafts in said bearings, a movable element mounted on said shafts so as to be capable of rotation with respect to said fixed element, and means to make an electrical connection to said movable element comprising a flat spring attached to one of said bearings and having an opening through which a shaft extends, said spring being arranged to press the edge of the opening laterally against the shaft.

1,533,614. APPARATUS FOR REGULATING HEATING SYSTEMS. WILLY SANYOSA, Frankfort-on-the-Main, Germany. Filed Dec. 27, 1921. Serial No. 525,211. 1 Claim. (Cl. 236—9.)



In combination with a heater, a regulator including an exteriorly arranged head threaded into the heater, a casing arranged within the heater and carried by the head in communication therewith, means closing the inner end of the casing, a remotely arranged receptacle, a pipe establishing communication from the head, outwardly of the heater, to and through the bottom of the receptacle, a head for the receptacle, each head having its inner face formed with an axial bore and a concentrically arranged, annular recess, an expansible cylinder within the casing and the receptacle and secured at one end within the annular recess of the respective head, a closure for the opposite end of each expansible cylinder, a rod secured to each closure and guided through the bore of the respective head, and tensioning means on the outer end of the rod in the receptacle, the outer end of rod of the casing being designed to control the heater.

1,533,615. HEADLIGHT. HERBERT W. SCHWARTZ, Chicago, Ill. Filed Aug. 2, 1923. Serial No. 655,281. 8 Claims. (Cl. 240—48.2.)



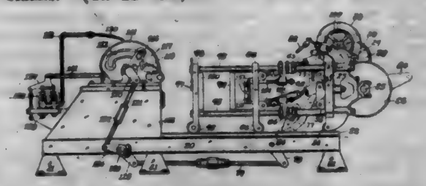
1. In a headlight of the kind described and in combination, a concave reflector, means for absorbing the rays of light directed onto the lower half of said reflector, a visor arranged transversely of said reflector at its upper portion, said reflector having an aperture therethrough below the center thereof, and a lamp arranged at said aperture so that the longitudinal axis through said lamp intersects the intersection of the plane of the front edge of said reflector and the center of the inner surface of the lower edge of said visor.

1,533,616. LACQUER AND LACQUER ENAMEL. STANLEY D. SHIPLEY and GUY C. GIVEN, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 24, 1924. Serial No. 722,032. 24 Claims. (Cl. 134—79.)

1. A composition comprising nitrocellulose and ethyl-glycol.

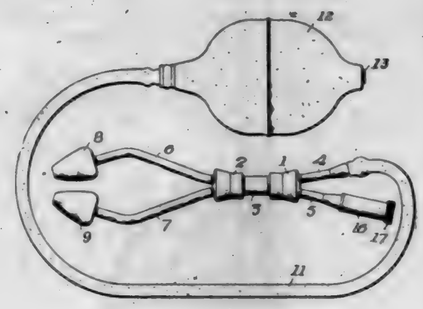
16. A nitrocellulose solvent comprising a mixture of ethyl-glycol and a benzene hydrocarbon.

1,533,617. DIE-CASTING MACHINE. JOSEPH SOSS and LOUIS H. MORIN, New York, N. Y., assignors to Soss Manufacturing Co., Brooklyn, N. Y., a Corporation of Maine. Filed Feb. 18, 1922. Serial No. 537,419. 54 Claims. (Cl. 22—69.)



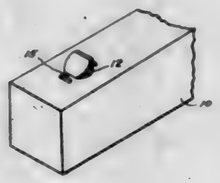
1. In a die-casting machine, an automatically operated molten metal discharge element, an automatically operated die holder and carrier movable toward and from said discharge element, and said holder being composed of separate parts movable toward and from each other and to which the separate parts of the die are adapted to be secured in the movement thereof toward and from said element.

1,533,618. INSTRUMENT FOR EAR TREATMENT. JAMES TAYLOR, Jr., Worcester, Mass. Filed Apr. 8, 1920. Serial No. 372,196. 2 Claims. (Cl. 128—257.)



2. In apparatus of the class described, a chamber having a pair of nasal tubes leading therefrom and providing opposed divergent and convergent portions, each convergent tube portion terminating in a conical nasal bulb having a passage therethrough coaxial with its associated tube portion, whereby opposed surfaces of said bulbs are maintained substantially parallel and are adapted to press evenly against the nasal septum when inserted in the nostrils.

1,533,619. LATCH DEVICE. JAMES ARTHUR THOMPSON, Rushville, Ill., assignor to Gladacres Incorporated, a Corporation of Illinois. Filed July 1, 1922. Serial No. 572,256. 4 Claims. (Cl. 292—153.)

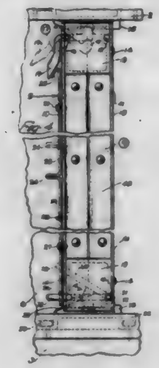


1. A latch device comprising a member having a cylindrical bore, a retractable latch bolt seated in said bore and having an oblique face upon its outer end extending in the same plane across said bolt, and an overhanging flange extending into the outer portion of the bore and overlapping the lowermost edge of the inclined portion of the bolt to retain the same in said bore, whereby said bolt is caused to orient to its normal position when displaced.

1,533,620. SIDE-DOOR CONSTRUCTION. KENNETH J. TOBIN and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 14, 1924. Serial No. 732,047. 40 Claims. (Cl. 20—22.)

6. A car having a door opening, a door jamb movable longitudinally of said opening, means for automatically locking said jamb at its top and bottom, said means including a pair of latching members, and means for preventing the locking at the bottom of said car except when locking is effected at the top of said car.

7. A railway car having a door opening, a jamb movable longitudinally of said car, and a pair of slidable doors cooperating with said jamb, said jamb comprising



an angular construction adapted to receive a nailing strip, the reentrant angle of said angular construction being presented transversely and inwardly of said car.

1,533,621. LATCHING MECHANISM. KENNETH J. TOBIN and WILLIAM W. DARROW, Chicago, Ill., assignors to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 24, 1924. Serial No. 757,936. 12 Claims. (Cl. 20—22.)
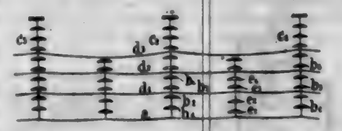


1. In a box car, in combination, a movable door jamb, a pair of detent members for holding the two ends of said jamb, latch members at the two ends of said jamb for cooperation with said detent members, a member operable in a single movement for operating said latch members, one of said latch members being provided with automatically operating means for holding said operable member in its unlatching position after said operable member has been moved to said unlatching position.

1,533,622. RUST-REMOVING COMPOUND. JOHN J. VARN BUHLER, Detroit, Mich. Filed Dec. 28, 1921. Serial No. 525,472. 9 Claims. (Cl. 148—8.)

1. The metal cleaning compound containing an acid which will attack rust, a rust preventing oil which is not attacked by the acid and a solvent for the oil.

1,533,623. TRANSMISSION OF ELECTRIC ENERGY. GEORGES VIEL, St. Etienne, France. Filed Jan. 18, 1921. Serial No. 438,111. 2 Claims. (Cl. 173—318.)



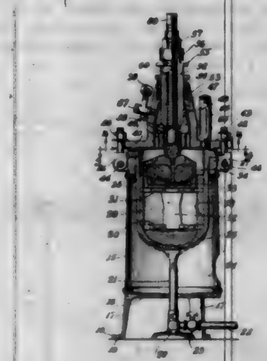
1. In the transmission of electric energy the combination with the line wire, a series of chain insulators supporting said line wire and an insulated cable connecting together elements of the chains of the same order or position in each chain over a length dependent on the difference of potential to be maintained at the terminals of such elements.

1,533,624. VENTILATED HEAD GARMENT. EMIL B. WERROTT, Moline, Ill. Filed Oct. 24, 1924. Serial No. 745,039. 9 Claims. (Cl. 2—176.)



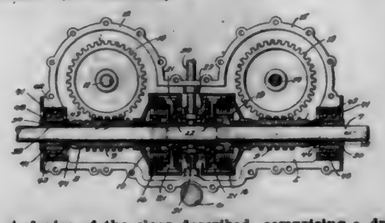
1. In a head garment, ventilating means comprising an open member extending through a wall of the garment and a cover member extending through an opening in the garment and adapted to be so placed as to cover the opening in the open member or uncover the same.

1,533,625. INLAY VULCANIZER AND PRESS. JOHN HOD WILLIAMS, West Palm Beach, Fla. Filed Sept. 1, 1923. Serial No. 660,460. 9 Claims. (Cl. 18—7.)



3. A vulcanizer comprising an upright cylindrical casing, a stand on which said casing is supported, a boiler suspended within said casing, means extending through said stand for heating said boiler, said boiler having internal longitudinal ribs, one of said ribs extending inward to a greater extent than the others, grates disposed in said boiler, said grates being guided by said ribs, a flask supported on one of said grates, said flask engaging said ribs, a chambered cover gasketed to the top of said boiler, and means carried by said casing for clamping said cover thereover.

1,533,626. TRANSMISSION DEVICE. FREDERICK D. WILSON and LEONARD S. BURNS, Harvey, Ill., assignors, by mesne assignments, to Austin Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1923, Serial No. 610,131. Renewed Oct. 27, 1924. 6 Claims. (Cl. 180—17.)



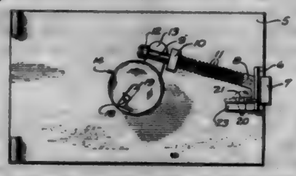
1. A device of the class described, comprising a driven shaft, and shaft to be driven thereby; worm-drive mechanism operatively connected with said last-named shaft; a plurality of friction clutch elements adapted to cooperate to impart the movement of the first-named shaft to said worm-drive mechanism; a plurality of friction clutch elements capable of a brake action on said worm-drive mechanism; and means for actuating said first-named clutch elements, the reverse movement of such means operating to actuate said brake clutch elements.

1,533,627. INKSTAND. WILLIAM H. AVERILL, Boston, Mass., assignor to The Carter's Ink Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Mar. 25, 1924. Serial No. 701,714. 4 Claims. (Cl. 120—59.)



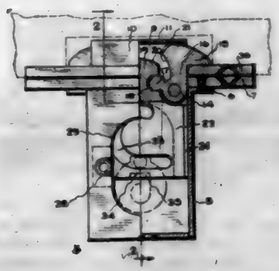
1. An inkstand of the type specified having a body and mounted upon said body and detachably secured to it an inverted bottle providing a reservoir for ink, said bottle having a neck, said body of the inkstand having within it an ink well and means forming communication between the bottle and the ink well by which ink will be supplied to the ink well from out of said bottle, said body of the inkstand, also, having in it a socket into which the neck of the bottle extends, and an elastic means yieldable by distortion for retaining the neck of the bottle within said socket.

1,533,628. POST-OFFICE MAIL-BOX LOCK. FRANK E. BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed June 19, 1923. Serial No. 646,335. 7 Claims. (Cl. 70—46.)



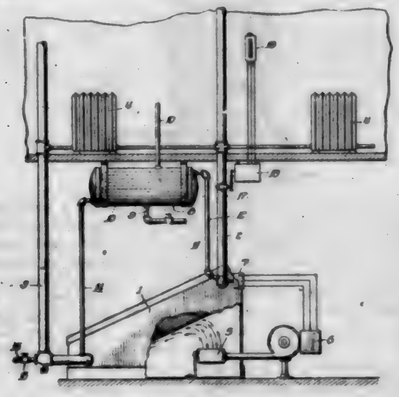
1. In a lock of the class described, a door, a lock housing protruding inwardly from said door, a sleeve rotatable on said lock housing, latch mechanism on said door and means on said sleeve adjacent said door for operating said latch mechanism.

1,533,629. DISAPPEARING-ANCHOR LOCK. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed June 28, 1923. Serial No. 648,308. 8 Claims. (Cl. 70—20.)



1. In a lock of the class described, a bolt, a pair of anchor members pivotally connected with the bolt, a throw member operatively connected with said anchor members and key controlled means for moving said throw member and locking said anchor members and said bolt co-operatively.

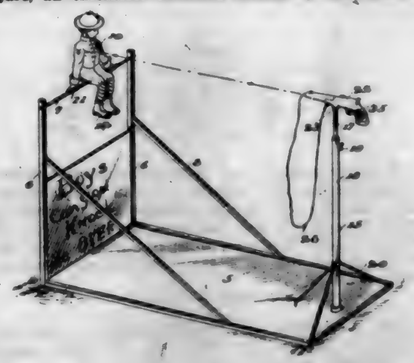
1,533,630. COMBINED HOUSE-HEATING AND DOMESTIC WATER-HEATING SYSTEM. JAMES L. BREESE, Jr., Chicago, Ill., assignor to Breese & Bettle, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 26, 1921. Serial No. 495,457. 2 Claims. (Cl. 237—8.)



1. In a heating apparatus, a boiler, a pair of independent heating medium circuits, said circuits having the boiler as a common source of supply, and one thereof supplying house heating devices, the other operatively connected to a hot water storage tank, a burner for supplying heat to the boiler, thermostatic means responsive to boiler temperature for controlling the burner, and thermostatic means responsive to house temperature conditions for cutting in or out the house heating circuit.

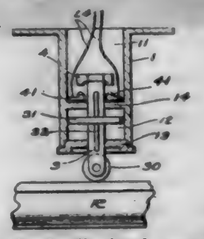
1,533,631. TOY. JAMES BROWNLEE, Newark, N. J. Filed Feb. 14, 1922. Serial No. 536,440. 1 Claim. (Cl. 273—101.)

A toy of the class described comprising a base, standards mounted thereon, a rotatable crossbar carried by the upper ends of said standards, a figure seated on the crossbar and having hands gripping the same, said figure being provided with weighted feet forming a means whereby the figure is promptly returned to an upright position, bracing members supporting said standards, a gun adapted for firing a projectile in the direction of the figure, an extensible standard carried by said base and



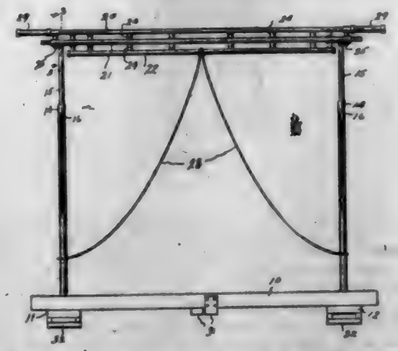
adapted for supporting said gun, and means provided on the uppermost portion of said extensible standard for adjusting the gun to any desired range.

1,533,632. AUTOMATIC DERAIL SIGNAL. FRANK BUTORAC, Seattle, Wash. Filed May 29, 1924. Serial No. 716,641. 7 Claims. (Cl. 246—171.)



1. An automatic derail signal comprising, in combination, an electrically energized signal, a circuit including said signal, a normally open switch in said circuit, and means adjacent a wheel, normally in contact with the track and operable as the wheel leaves the track, to close said switch.

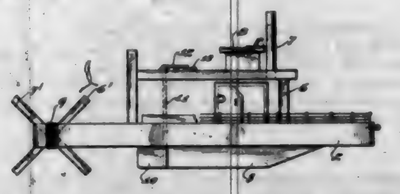
1,533,633. HURDLE. EDWARD L. CAREY, Brooklyn, N. Y. Filed Oct. 21, 1922. Serial No. 595,894. 9 Claims. (Cl. 272—59.)



1. In a device of the class described, a pair of standards and a cross bar having a support at either end above the center of gravity of the bar, said supports

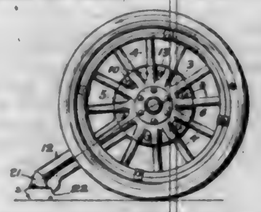
resting on the tops of said standards and being held thereon by gravity only, the tops of said standards being curved and said supports having surfaces engaging with said curved tops and adapted to permit free oscillation of the cross bar through a predetermined arc and to cause the bar to fall when the predetermined arc is exceeded.

1,533,634. TOY RIVER BOAT. HARRY R. L. CHELLMAN, Mount Oliver, Pa. Filed Mar. 21, 1923. Serial No. 626,618. 2 Claims. (Cl. 46—37.)



1. A toy constructed to resemble a river boat, a pair of spaced arms extending rearwardly from said boat, a paddle wheel mounted between the arms, and elastic bands about both of said arms and extending across said paddle wheel for propelling the boat through the water.

1,533,635. SAFETY DEVICE FOR AUTOMOBILES. LEWIS B. CURTIS, Bridgeport, Conn. Filed Jan. 10, 1924. Serial No. 685,334. 3 Claims. (Cl. 180—83.)



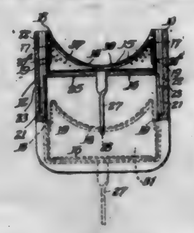
1. In an automobile safety fender, a member normally spaced from the roadbed and swung concentrically from the axle and extending to a plane slightly beyond a front wheel and releasably held in this position and adapted, when impacting a body, to yield and to be forced against the roadway, thereby functioning as a lever to oppose the speed of the automobile, whereby the wheel adjacent said lever will be bodily raised over said body and deposited on the roadbed beyond said body.

1,533,636. COLLAPSIBLE BOX OR THE LIKE. ELIZABETH DAY, Chicago, Ill. Filed June 23, 1924. Serial No. 721,682. 10 Claims. (Cl. 150—49.)



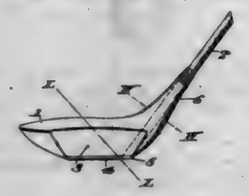
1. A collapsible box or the like including a frame like structure, said structure including spaced sectional annular members, sectional uprights interposed between and connecting the annular members, the said parts being respectively foldable, the sections of the uprights being foldable from the periphery of the annular members inwardly, and means connected with the said uprights for maintaining them in folded and unfolded relation.

1,533,637. JOURNAL-BOX LUBRICATOR. THOMAS W. DEMAREST, Chicago, Ill. Filed July 18, 1921. Serial No. 485,400. 21 Claims. (Cl. 64—35.)



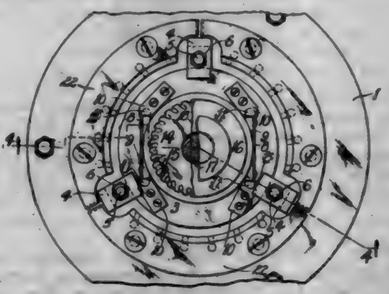
1. In a device of the character described, in combination with a journal box, a lubricator container bodily displaceable therein, a lubricator supporting riser or follower, and means associated with said container for forcing grease between the hub face of a wheel and the journal box as the riser moves upwardly.

1,533,638. GOLF CLUB. PIERPONT E. DUTCHER, Upper Montclair, N. J. Filed Nov. 7, 1924. Serial No. 748,426. 4 Claims. (Cl. 273—77.)



4. A golf club head having a striking face, said head being provided with a body portion extending rearwardly from said face, said body portion being rearwardly tapered to constitute a stream-line form, the longitudinal axis of the vertical section of said tapered portion extending upwardly at an acute angle to the plane of said striking face and at an obtuse angle away from a horizontal projection of the shaft, said head also having a neck of stream-line form in cross section.

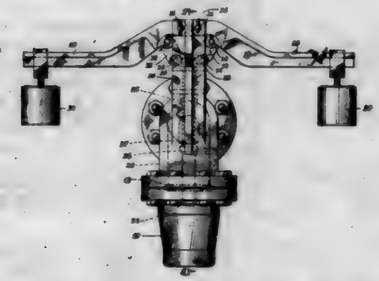
1,533,639. QUENCHING APPARATUS. ERIK W. EHN, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed July 11, 1924. Serial No. 725,407. 9 Claims. (Cl. 266—6.)



5. A hardening device comprising a base, a plate thereon, an annular member on said base surrounding said plate, a fluted plug on said plate adapted to fit one conical bore of a double conical cup for roller bearings, spring-pressed bars in said plate for supporting

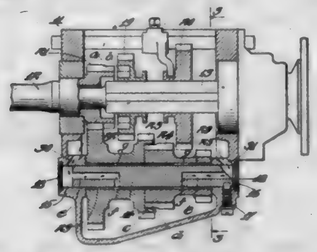
said cup, a second fluted plug adapted to fit the other bore of said cup and to be pressed thereinto to force said cup onto said first plug and passageways for quenching liquid through said base, annular member and first plug, there being a space between said plugs around their peripheries, the spaces between the flutes of the plugs opening into said space and the passageways of said lower plug opening into said space.

1,533,640. RELIEF VALVE. FRED C. FANTS and HOWARD G. HILL, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y., a Corporation of Texas. Filed May 4, 1921. Serial No. 466,858. 10 Claims. (Cl. 137—53.)



9. A relief valve comprising a chambered casing having a valve seat therein, a movable valve normally resting upon said seat and a plurality of weighted toggle mechanisms connected to said valve and acting concurrently thereon to cause the valve to open and to close with an accelerated movement under different predetermined pressure conditions.

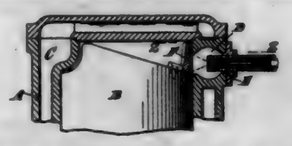
1,533,641. TRANSMISSION FOR AUTOMOBILES. STEPHEN I. FEKETE and STUART G. BAITS, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 2, 1923. Serial No. 655,261. 4 Claims. (Cl. 74—58.)



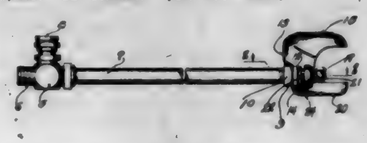
1. In a transmission gearing, a casing, a countershaft mounted in said casing in holes, the ends of which are closed, gears rotatable on said countershaft, said countershaft being provided with an oil passage leading from the closed end of the hole in the casing and emerging through a peripheral surface under said gears.

1,533,642. INTERNAL-COMBUSTION ENGINE. LEON P. FRUSTMAN, Harrison, N. Y., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 4, 1920. Serial No. 386,535. 4 Claims. (Cl. 123—33.)

1. The method of feeding liquid or solid fuel to an internal combustion engine cylinder, which consists in compressing air in the engine cylinder and in a precombustion chamber having an opening into the cylinder restricted during the latter part of the compression stroke and early part of the working stroke by a guard on the piston, injecting fuel during or about the end of compression into the precombustion chamber and securing limited combustion, feeding the fuel to the cylinder from the precombustion chamber through the guard-restricted opening by the relative pressure in the precombustion chamber and cylinder, and gradually removing said restriction by the withdrawal of the guard on the outward stroke of the piston.

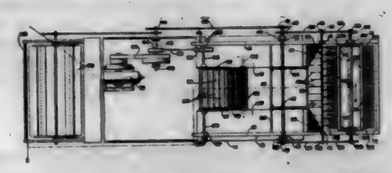


1,533,643. LIGHTER. FRANK A. GAUGER and ROY W. JOHNSON, Milwaukee, Wis., assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 28, 1922. Serial No. 557,139. 13 Claims. (Cl. 158—115.)



1. In a flash igniter for gas burners, a supply pipe, a torch-head on one end of the pipe, a disc-like protective covering separate from the torch-head and disposed thereover in a substantially horizontal position, and a depending attaching portion integral with the covering and connectable with the supply pipe, the air surrounding the torch-head being unconfined an influenced only by the covering and its attaching portions.

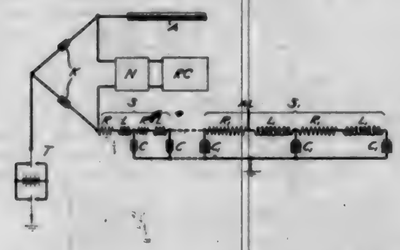
1,533,644. CRANBERRY HARVESTER. GEORGE CHARLES GERHARDT, Millston, Wis. Filed Mar. 5, 1920. Serial No. 363,485. 12 Claims. (Cl. 56—330.)



1. In a machine for harvesting cranberries and the like, a vehicle, a frame mounted thereon for movement in a vertical plane, a knocker wheel carried by the frame and provided with a plurality of series of radial teeth to comb the bushes, an apron disposed at the rear of the knocker wheel, a carrier moving to the rear over the apron and in contact therewith to receive the berries dislodged by the wheel and carry the same rearwardly and means to drive the knocker wheel and the carrier.

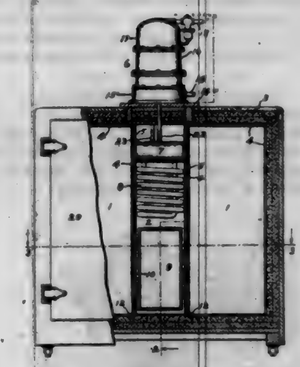
5. In a machine for wet harvesting of cranberries and means to drive the knocker wheel and the carrier. movement in a vertical plane, a knocker wheel carried by the forward end of the frame and provided with radial teeth to comb the bushes beneath the surface of the water, an apron disposed at an upward inclination behind the knocker wheel, a carrier moving to the rear over the apron to receive the berries dislodged by the knocker wheel and carry the same rearwardly, and means to drive the knocker wheel and the carrier.

1,533,645. SUBMARINE SIGNALING SYSTEM. JOHN J. GILBERT, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 31, 1922. Serial No. 564,915. 5 Claims. (Cl. 178—63.)



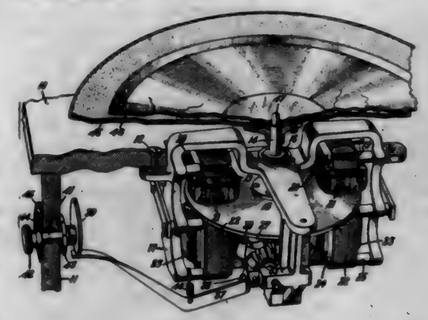
1. The combination at a signaling station of a source of signaling current with a signal receiving means more readily responsive to certain frequencies than to others, and an electrical network upon which current from said source is impressed, said network comprising a plurality of sections each having lumped inductance and capacity of such value that oscillatory currents impulsively produced in said sections by said source of signaling current do not have frequencies to which said signaling means is readily responsive whereby the disturbing effect of said impulsively produced currents upon said signal receiving means is small.

1,533,646. REFRIGERATOR. ALBERT L. GIVENS, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed July 5, 1924. Serial No. 724,215. 7 Claims. (Cl. 62—95.)



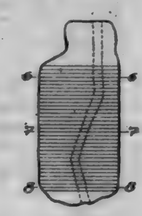
1. In combination, a refrigerator comprising a casing of heat insulating material having a food compartment and a cooling compartment therein provided with metal walls, the adjacent walls of the two compartments being in good thermal relation to each other, an artificial refrigerating machine mounted in proximity to said refrigerator and having an evaporator, said evaporator being located in said cooling compartment and being in good thermal relation with the walls of said compartment, the walls of the food compartment being of such thickness that the heat entering said refrigerator through the casing thereof flows substantially solely by conduction through the metal walls of the food compartment to the cooling compartment and thence to said evaporator.

1,533,647. ELECTRIC DRIVE FOR PHONOGRAPHS. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed May 18, 1923. Serial No. 639,895. 10 Claims. (Cl. 172—278.)



1. In a phonograph, an electric motor drive of the induction disc type, a rotatably mounted disc of conducting material and a plurality of similar field magnet members symmetrically distributed both radially and circumferentially about said disc for driving the same by induction motor action, the energizing coils of said field members being arranged to be excited by alternating current in such relation that the component of the motor forces acting on the disc at right angles thereto at any instant are in the same direction, whereby the tendency of such forces to vibrate the disc is minimized.

1,533,648. METHOD OF PREPARING SMOKED JOINT MEATS. JOHN A. HAWKINSON, Nashville, Tenn., assignor to Allied Packers, Incorporated, Chicago, Ill., a Corporation of Delaware. Filed Apr. 7, 1924. Serial No. 704,585. 6 Claims. (Cl. 99—11.)

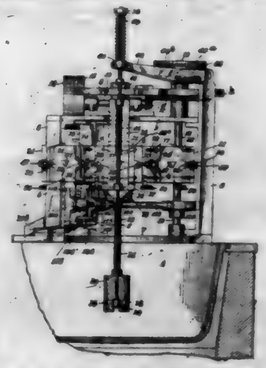


1. A method of preparing smoked joint meats, which consists in subjecting the meat while in a flaccid condition on the articulated bone structure to a pressure sufficient to convert the same into a form which is substantially uniform in cross-sectional area throughout the greater portion of its length, and smoking the meat while in such form.

1,533,649. CASTING APPARATUS AND PROCESS OF CASTING. CHARLES E. HOPKINS, Plainfield, N. J.; The Plainfield Trust Company, Plainfield, N. J., administrator of estate of Charles E. Hopkins, deceased. Filed Oct. 21, 1918. Serial No. 259,048. 43 Claims. (Cl. 22—77.)

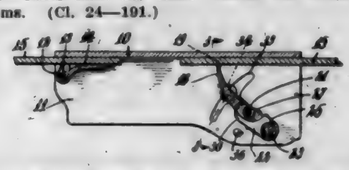
1. Casting apparatus comprising: means for delivering molten material at a casting point, a rotatable supporting member, a plurality of casting molds carried thereby each composed of a plurality of members movable relatively to each other to open and close the mold, means for intermittently moving said supporting member to successively bring said molds to and from the casting

point so that the molds successively receive a charge of molten material, means for opening each mold after



it has received a charge of material and for closing it before it receives another charge, and means for separating the casting from both members of each mold.

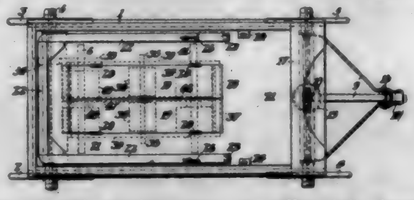
1,533,650. BELT BUCKLE. SEBERO JASO, San Antonio, Tex. Filed Nov. 13, 1924. Serial No. 749,610. 2 Claims. (Cl. 24—191.)



1. A buckle comprising a plate formed with rearwardly projected side flanges, a pair of arms pivotally mounted on said flanges, to swing toward and away from the said plate, a belt gripping jaw hinged to the free ends of the said arms, and springs engaged with the said arms and the said jaw and acting to urge the said arms toward the said plate, and the said jaw in an opposite direction on the said arms, and abutment stops on the said arms limiting movement of the jaw thereon under the influence of the springs applied to said jaw, and handle elements fixed to said jaw and passing through slots in the said flanges.

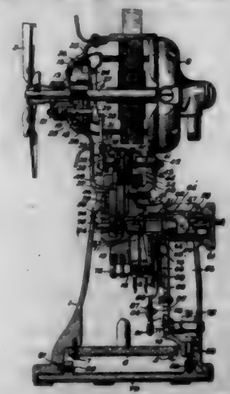
1,533,651. TOY WAGON. HARRY KISTER, Philadelphia, Pa. Filed Oct. 11, 1924. Serial No. 742,992. 7 Claims. (Cl. 208—38.)

1. In a toy wagon, the combination with a rectangular express body, having a pair of trap doors in the floor thereof, hinged on axes parallel with the length of said body and adapted to lie flat on said floor when opened, and serving to normally close a rectangular opening in said floor; of a hand rail, of inverted U-shape, hinged to said floor and adapted to be upturned in vertical position toward the front of said body; braces upon opposite sides of said body arranged to serve as stop supports for said hand rail in its upturned position; means arranged to detachably secure said hand rail in its upright position, including hooks and eyes; a frame including a non-rotatable axle provided with two dirigible wheels at the front of said body; means pivotally securing said dirigible wheel frame to said body; a rigid tractor member pivotally connected to said frame and arranged to extend in front of said body and be upturned against said hand rail; whereby said dirigible wheels may be turned to steer the wagon; an axle frame, rigidly connected with said body, at the rear end thereof; an axle mounted to rotate in said rear axle frame and provided with one supporting wheel rigidly connected therewith upon one side of said body; another supporting wheel mounted to turn freely upon said rear axle at the opposite side of said body; a gear wheel rigidly connected with said rear axle; a treadmill mechanism, adapted to propel said wagon, including a gear wheel in mesh with said gear on said rear axle and rigidly connected with a rear driving shaft; journal bearings for said rear driving shaft, rigidly connected with said body at opposite sides of said opening; a front driving shaft, parallel with said rear driving shaft; journal bearings for said front driving shaft, rigidly connected with said body, at opposite sides of said opening, and arranged to support said front shaft at a higher level than said rear shaft; sprocket gear wheels respectively rigidly connected with said rear and front driving shafts, intermediate of the length thereof; an endless sprocket chain extending around said sprocket gears and operatively connecting said shafts; belt rollers on said shafts, extending upon axially opposite



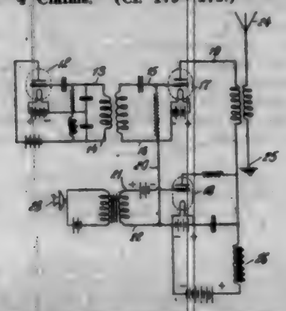
sides of said sprocket gears; an endless belt, formed of textile fabric, extending around said rollers, and having a longitudinal series of transverse slats arranged as footholds upon the outer face thereof; an idle roller, parallel with said front and rear shafts and extending between them and beneath the upper reach of said endless belt, arranged to support the weight of the operator on said belt, within said opening; and journal bearings for said idle roller, at respectively opposite sides of said opening in said body; whereby, when said doors are opened and said hand rail and tractor raised, to cooperative relation, said wagon may be propelled by the weight of an opreator bearing upon said belt and, when said doors are closed and said hand rail and tractor lowered, said body affords a receptacle for the transportation of articles, and the wagon may be drawn by said tractor, regardless of said treadmill mechanism.

1,533,652. PREPAYMENT ELECTRIC FAN. GEORGE E. LE COUNT, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Original application filed Aug. 24, 1922, Serial No. 583,960. Divided and this application filed May 24, 1924. Serial No. 715,704. 4 Claims. (Cl. 230—1.)



1. A prepayment electric fan with a hollow pedestal having housed therein an electric switch, coin controlled setting means therefor, a timing gear train, and electric connections between said motor and said switch.

1,533,653. MODULATION. WILLIAM A. MACDONALD, Hartsdale, N. Y. Filed Nov. 12, 1920. Serial No. 423,536. 4 Claims. (Cl. 179—171.)



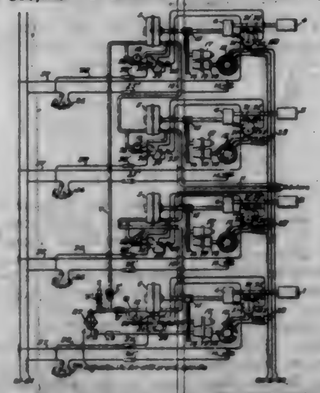
1. In a wave signaling system, means for generating continuous high frequency carrier oscillations, and amplifier for amplifying said carrier oscillations, a source of unidirectional voltage for said amplifier, a variable impedance in series in a direct current circuit with said source of voltage, means for keeping the current from said source substantially constant, and means for varying said impedance in accordance with signals.

1,533,654. MOTOR-OPERATED RAZOR. LAURIER A. MAYNARD, Detroit, Mich. Filed Mar. 13, 1924. Serial No. 699,050. 10 Claims. (Cl. 30—12.)



9. A power razor comprising a handle, a blade having a shank in said handle, a power shaft extending into said handle parallel to the blade shank, a power transmission means between said power shaft and said blade shank to support and guide the movement of the entire blade and shank in similar arcuated paths of like amplitude.

1,533,655. SEGREGATED DRIVE FOR PAPER MACHINES AND THE LIKE. WILBUR L. MERRILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 9, 1920. Serial No. 357,219. 9 Claims. (Cl. 172—236.)

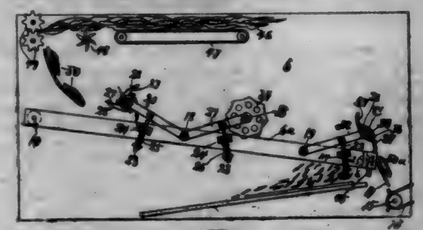


1. An apparatus of the class described wherein a plurality of elements are required to run in fixed but adjustable speed relation, characterized by the fact that motors are arranged to drive said elements and means arranged to be coupled together to run in synchronism are connected to each of said elements, and by the fact that speed adjusting means is provided in at least one of said connections whereby the speed relation of said elements may be varied.

1,533,656. ART OF MAKING ELECTROTYPES. GEORGE WILBUR MULLEN, Flushing, N. Y., assignor to John C. Wiarda & Co., Inc., New York, N. Y., a Corporation of New York. Filed May 6, 1924. Serial No. 711,471. 4 Claims. (Cl. 204—8.)

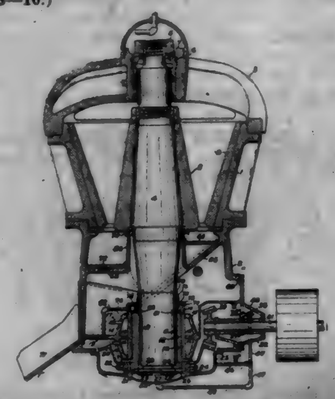
1. An electrotype comprising a printing surface constituted of a thin metal shell and a backing of type metal and, interposed between the shell and the backing, a thin layer of electrolytically deposited tin in permanent adherence on one of its sides with the metal constituting the shell and on the other side with the type metal backing.

1,533,657. CORN-HUSKING MACHINE. HENRY L. NELSON, Cannon Falls, Minn. Filed Apr. 14, 1924. Serial No. 706,255. 4 Claims. (Cl. 130—5.)



1. In a corn husking machine the combination with inclined husking rollers arranged in pairs, of a series of rollers arranged across the upper sides of the husking rollers and means fixed on the crossing rollers for pressing downward on and moving the corn along the grooves formed by the upper sides of each pair of husking rollers; and springs arranged to impel the crossing rollers downward; said means fixed on the crossing rollers comprising on one roller a series of fixed, radiating, curved and rigid arms each with teeth upon its largest curved face.

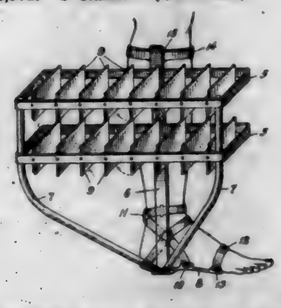
1,533,658. CRUSHER. RAY C. NEWHOUSE, Wauwatosa, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Jan. 3, 1921. Serial No. 434,493. 18 Claims. (Cl. 83—10.)



1. A crusher comprising a shell having a pair of adjacent openings in said shell wall, a bearing disposed in and adapted to transmit crushing stresses to said shell,

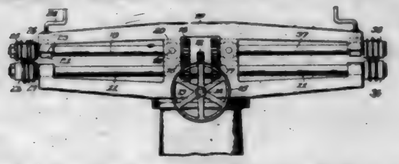
and means including a diaphragm within said shell whereby the crushed material descends upon said diaphragm to said openings in a pair of separately maintained streams.

1,533,650. SWIMMING DEVICE. AXEL W. NILSSON, Port Washington, N. Y. Filed Sept. 21, 1922. Serial No. 589,572. 4 Claims. (Cl. 9—21.)



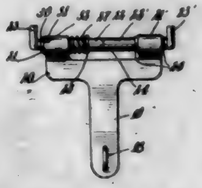
1. A swimming device comprising a footpiece of less length than the foot it is intended to accommodate and arranged to leave the toes of a swimmer free and unobstructed, a carrying element mounted on said footpiece toward the rear thereof and adapted to extend lengthwise of a leg of the swimmer, hollow rods fixed upon said foot-piece, spaced, rectangular frames carried by said element and rods in approximately perpendicular relation to said element, blades pivotaly mounted in said frames in groups and enclosed thereby, said blades being movable about axes perpendicular to said element, and straps whereby said element and footpiece are detachably secured in place to attach the device to a swimmer.

1,533,660. JIG FOR MAKING PIPE ELBOWS. LEMUEL H. PURNELL, Chicago, Ill., assignor of one-half to Henry G. Goelitz and one-half to Enoch Purnell, both of Oak Park, Ill. Filed Apr. 23, 1923. Serial No. 633,986. 5 Claims. (Cl. 113—37.)



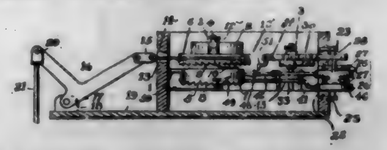
1. A jig for use in cutting off lengths of pipe, comprising a band adapted to be placed about the pipe, means on the band for causing it to grip the pipe, and means on the band for guiding the cutters.

1,533,661. GARMENT HANGER. NICK REMILLONG, Glen Ullin, N. Dak. Filed Dec. 4, 1923. Serial No. 678,416. 2 Claims. (Cl. 45—13.)



2. A garment hanger comprising a body member, a pair of alined rods one of which is rotatably mounted on said body member and the other of which is both rotatably and slidably mounted on said body member, hook elements projecting from the remote ends of said rods, ratchet clutch elements on the adjacent ends of said rod engaged with each other to cause the first named rod to be retained against rotary movement in one direction by the other rod, a stud fixed on the last named rod and engaging in a notch in said body member and adapted to be disengaged therefrom by sliding movement of the rod, and a spring engaged with said last named rod and acting to hold the latter in position with the said ratchet clutch elements engaged with each other and said stud engaged with said notch.

1,533,662. MUSIC-SHEET TURNER. KAY N. RODGERS, Pittsburgh, Pa. Filed Sept. 29, 1923. Serial No. 665,512. 1 Claim. (Cl. 84—510.)



In combination, a device for the purpose set forth comprising a casing provided with a rear bottom extension, a substantially V-shaped operating lever pivotally mounted on said extension and adapted to be connected with a treadle, a pair of annular plates rotatably mounted in the forward end of said casing, each of said plates formed with a peripheral recess and carrying a tuning arm provided at its outer end with a swivelly connected sheet clamping member, each of said plates associated with a spring element for shifting said arm in the clockwise direction, a drum mounted in said casing and capable of rotation in the counter clockwise direction, a disk wheel rotatably mounted in said casing, means carried by said drum and engaging said wheel for intermittently revolving said drum during the operation of said wheel, a flexible member connected with said wheel and with said operating lever for partially rotating said wheel when said operating lever is actuated, a spring element for returning said wheel to the operative position, a pair of trip levers adapted to engage in said recesses of said plates for securing said arms in the initial position, means carried on the periphery of said drum and adapted to engage said trip levers for consecutively releasing said plates for shifting said arms, and means actuated by the rotation of said drum for returning said arms to the initial position, substantially as described and for the purpose set forth.

1,533,663. MAN'S NECKWEAR. CHARLES RUBEN, Pittsburgh, Pa. Filed Mar. 24, 1924. Serial No. 701,315. 5 Claims. (Cl. 2—154.)



1. A bow necktie including an interior supporting frame consisting of a resilient metal strip cross-bar having its central portion disposed to extend at right angles with respect to the end portions thereof, and a cylindrical member fixed to each end of said cross-bar, substantially as described and for the purpose set forth.

1,533,664. FINGER-NAIL CLEANER. CHARLES F. SANFORD, New Orleans, La., assignor of one-half to Alma Herbst, New York, N. Y. Filed Nov. 6, 1924. Serial No. 748,021. 1 Claim. (Cl. 132—78.)

A finger nail cleaner comprising a bow of flexible material having greater width than thickness and having slotted ends, a string extending through the slotted ends

of said bow and provided with knots engaging the outer sides of the latter, a handle having a head portion adapted to be grasped by the user and provided with



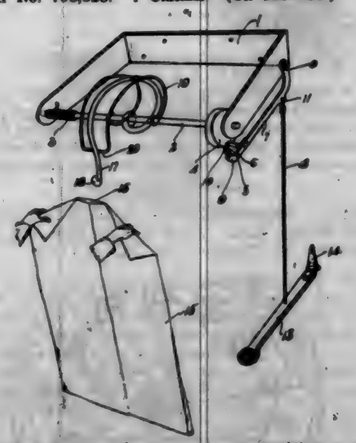
a concave portion conforming to the middle portion of the convex side of said bow, and means for securing said bow and handle to one another.

1,533,665. MEANS FOR RETAINING CHECK-VALVE BALLS IN PISTONS. CHARLES F. SCHURINER, Cleveland, Ohio, assignor to The National Steel Barrel Company, a Corporation of Ohio. Filed Apr. 17, 1922. Serial No. 553,852. 3 Claims. (Cl. 103—225.)



1. In a device of the class described, the combination of a piston, the piston being provided with a recess extending from one face thereof, a ball in the recess, said face of the piston having a slot extending from said recess, a finger, and the finger being arranged in the slot and extending over said recess for retaining the said ball therein, substantially as described.

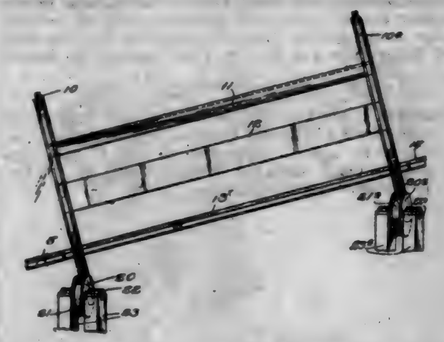
1,533,666. BAG-MOUNTING APPLIANCE. WILLIE A. SHIELDS, Birmingham, Ala. Filed Apr. 23, 1924. Serial No. 708,328. 7 Claims. (Cl. 226—18.)



1. A bag mounter for garments, comprising a spiral mounting wire having a hook at its free end, and means to wind said wire through a paper bag and expose its hook to receive a garment hanger, substantially as described.

1,533,667. CAR DUMPER. GEORGE N. SIMPSON, Chicago, Ill. Filed Mar. 13, 1924. Serial No. 698,898. 4 Claims. (Cl. 214—52.)

1. A device of the character described comprising an inclined rotatable cage having a ring rail at each end, a pair of supporting wheels carrying each ring rail, the axes of each pair of supporting wheels lying in the



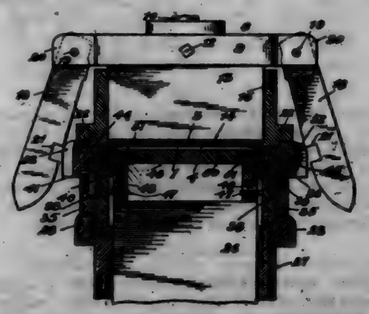
same substantially horizontal plane and converging in the direction toward which the cage is inclined downwardly.

1,533,668. MANUFACTURE OF FOOTWEAR. HARRY H. SMITH, Conimicut, R. I., assignor to Respro Inc., Providence, R. I., a Corporation of Rhode Island. Filed Aug. 15, 1924. Serial No. 732,193. 8 Claims. (Cl. 36—45.)



1. That process of making shoes which comprises providing corresponding inner and outer elements which tend to adhere only under pressure, and simultaneously subjecting said elements to the strain and pressure of lasting whereby they are stretched as a unit, said elements again separating except where united by seams after cessation of the strain and pressure of lasting until subjected to use, whereupon temporary adhesion under the stresses incident to use again occurs.

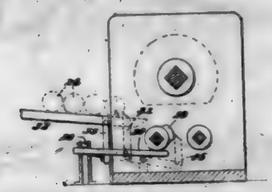
1,533,669. MACHINE FOR APPLYING BACKS TO MIRRORS. HARRY SOLOMON, New York, N. Y. Filed June 17, 1924. Serial No. 720,671. 7 Claims. (Cl. 153—1.)



1. A mechanism of the class described, comprising a pair of dies adapted to co-operate to partly fold the edges of a metal stiffener and a cover, a support for a mirror, said support having an exterior movable and

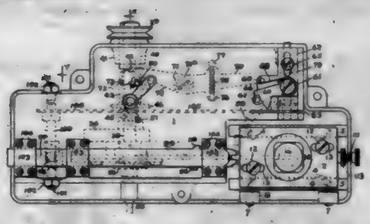
resiliently supported frame provided with an inclined edge adapted to contact with and bend the folded edges of the stiffener and cover, and an inclined edge on the mirror support adapted to co-operate with the inclined edge on the exterior frame to completely fold the edges of the stiffener and cover over the edges of the mirror.

1,533,670. APPARATUS FOR MAKING METALLIC AXLES. CHARLES G. STEELE, Berkeley, Calif., assignor, by mesne assignments, to Jos. I. Finn, Los Angeles, Calif. Filed Apr. 1, 1922. Serial No. 548,751. 14 Claims. (Cl. 80—23.)



14. A machine for forging billets, including forging members comprising supporting rolls and a pressure roll; gearing associated with the rolls for driving them in predetermined speed relation; one of the rolls having a cut-away portion; mechanism for feeding a billet to the rolls, including a stop member; lever mechanism for actuating the stop member in predetermined relation to the rotation of the rolls, said mechanism including a cam associated operatively with one of the rolls and adapted to actuate the lever mechanism; a pusher member also connected with the lever mechanism and operable thereby to move a billet in timed relation to the movement of the stop mechanism; and an instrumentality including an arm connected with the lever mechanism and operable thereby to positively force a completed billet out of position upon the supporting rolls.

1,533,671. MACHINE TO TEST THE TEETH OF SPUR-GEARS. HERBERT H. STEELE, Syracuse, N. Y. Filed Aug. 19, 1921. Serial No. 493,698. 35 Claims. (Cl. 73—51.)

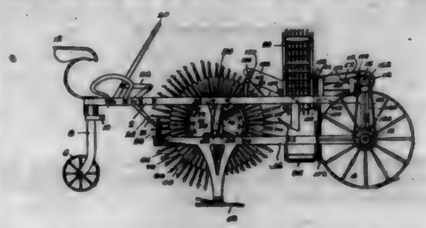


1. In a machine to test a gear tooth, the combination with a movable member provided with a notch conforming to a master tooth profile, of a power driven carrier having a to and fro movement to bring a tooth into co-operation with the movable member and devices controlled by the movable member for stopping the carrier through any error in the form of the tooth.

1,533,672. BEET HARVESTER. JAMES O. STOCKSTILL, Rocky Ford, Colo. Filed July 27, 1923. Serial No. 654,128. 8 Claims. (Cl. 55—108.)

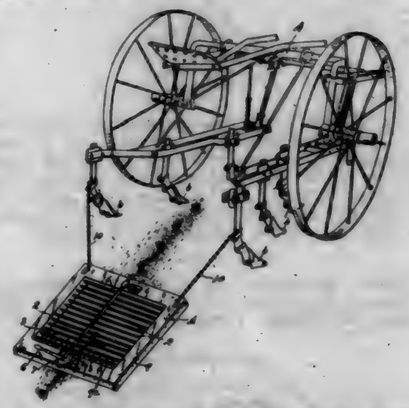
1. In a beet harvester, a rotary member, tubes radiating from said rotary member, and means yieldably mounted in said tubes for picking up beets from the ground.

3. In a beet harvester, a rotary member, tubes radiating from said rotary member, rods extending through said tubes and adapted to pick up beets from the ground,



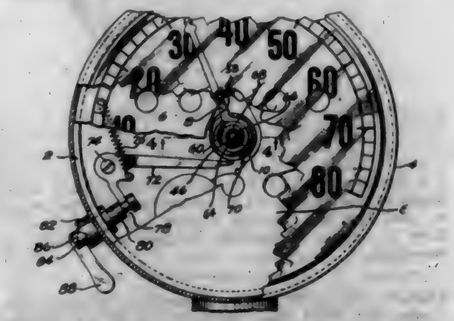
an arm for lifting said rods as they approach the ground at each revolution, and springs for forcibly throwing the rods downwardly when released from said arm.

1,533,673. WEEDING ATTACHMENT FOR CULTIVATORS. LOUIS J. STONE, Hallock, Minn. Filed Feb. 3, 1922. Serial No. 533,742. 5 Claims. (Cl. 55—103.)



5. A device adapted to be drawn over a row of plants to remove weeds comprising a flat surface adapted to travel close to the ground and having depending from its undersurface a multiplicity of small short spaced rigid pins, said pins being arranged in close proximity.

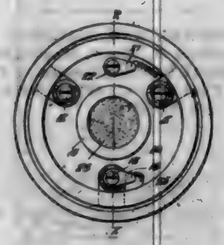
1,533,674. SPEEDOMETER. CHARLES W. SVENSON, New Britain, Conn. Filed Nov. 24, 1923. Serial No. 676,738. 11 Claims. (Cl. 264—1.)



10. A speedometer having, in combination, an indicating member, an indicating member staff, said member and staff having cooperating stops associated therewith,

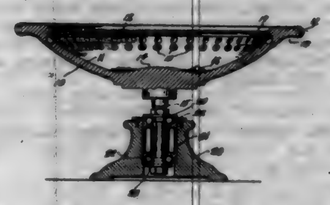
respectively, for moving said member when said staff is turned in one direction, and a second set of cooperating stops associated therewith, respectively, for moving said member when said staff is turned in the opposite direction, and springs associated with said two sets of stops, respectively, tending to hold said stops in engagement and manually controllable means for holding said indicating member from movement when desired, said stops, springs and member being removable as a unit from said staff.

1,533,675. MICROPHONE. ALBERT THOMAS, Paris, France. Filed Aug. 11, 1920. Serial No. 402,778. 3 Claims. (Cl. 179—122.)



1. A microphone transmitter comprising a member adapted to be vibrated by sound waves, a body of loose conducting material engaged by said member and forming a plurality of contacts, and means whereby said contacts are protected from injury, said means comprising a discharge resistance connected to bridge said contacts.

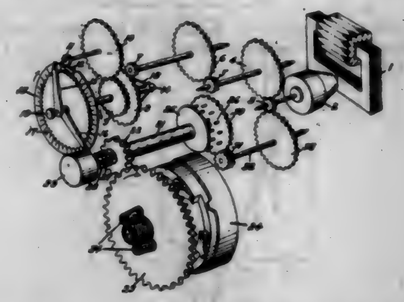
1,533,676. GAME. THOMAS THOMANS, Bridgeport, and ERNEST L. WHITNEY, Stratford, Conn. Filed Apr. 22, 1924. Serial No. 708,103. 4 Claims. (Cl. 273—110.)



1. A game comprising a receptacle having a concave interior surface, one or more balls in said receptacle, said receptacle being provided with a plurality of depressed pockets arranged about the same adjacent its upper edge adapted to receive the balls, said receptacle being also provided with a convex centrally arranged hump projecting above the bottom thereof, and means whereby the receptacle may be rotated.

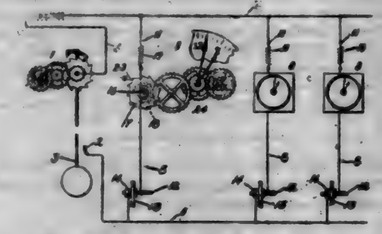
1,533,677. MOTOR-OPERATED TIME SWITCH. HENRY E. WARREN, Ashland, Mass., assignor to General Electric Company, a Corporation of New York. Filed Oct. 25, 1921. Serial No. 510,232. 9 Claims. (Cl. 200—38.)

1. A time switch comprising in combination a continuously rotating motor, a time element driven thereby, a circuit controller, operating means for said controller adapted to be driven by said motor through a train of gears, one of said gears being movable to a position to interrupt said train, means controlled by said time element for allowing said movable gear to move into driving position at predetermined different times, and



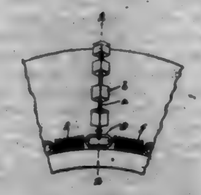
means dependent upon the subsequent operation of said controller for moving said gear out of said driving position.

1,533,678. ELECTRIC CLOCK SYSTEM. HENRY E. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Sept. 27, 1922. Serial No. 590,968. 8 Claims. (Cl. 58—24.)



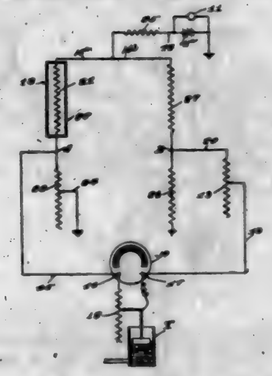
1. An electric clock system comprising an electric circuit, a master clock, a secondary clock, an escapement for said secondary clock, a thermal responsive electric conductor in said circuit for controlling the operating of said escapement and means controlled by said master clock for periodically energizing said circuit.

1,533,679. TRACTION GRIP FOR TIRES. RALPH C. WEBSTER, Haverhill, Mass. Filed Jan. 31, 1923. Serial No. 616,001. 14 Claims. (Cl. 152—14.)



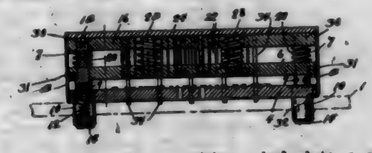
1. A traction grip for tires comprising essentially a block and a tying member arranged to hold said block against the outer surface of the tire, the block having a protuberant face next to the tire on which it is adapted to rock in a manner permitting movement of a side edge of the block away from the tire, whereby to increase the surface of the block opposed to soft ground material in which the tire may be embedded.

1,533,680. ELECTRICALLY-ACTUATED GAUGE. OSCAR WIEDERHOLD, Philadelphia, Pa. Filed Feb. 21, 1923. Serial No. 620,543. 3 Claims. (Cl. 177—351.)



1. A means for determining the contents of the fluid fuel containers of vehicles including a variable source of electro-motive force, a circuit including the source having parallel branches, each branch containing a main resistance and a secondary resistance, an electrically operated gauge, a connection between each of the branches of said circuit and a terminal of said gauge connected with each branch intermediate the resistances thereof, and a float operated rheostat shunting said gauge and connecting the terminals thereof, said main resistances being of different values, one of said main resistances consisting of a wire having a temperature coefficient of resistance maintaining a substantially constant voltage in the connection between said branches.

1,533,681. TIP-PERFORATING MACHINE. FRANK F. WITHUS, Newport, N. H. Filed Jan. 12, 1923. Serial No. 612,300. 2 Claims. (Cl. 164—118.)



1. A perforating die comprising a bed plate, a clamping plate and a head plate disposed thereover, one above the other in parallel relation thereto, each plate having a series of perforations therethrough in registering relation, a series of guide posts connected to said head plate and extending through and slidable in said clamping and base plates, said posts having stop shoulders for engaging the under sides of said clamping plate to limit its movement from said head plate, clamping springs interposed between said head and clamping plates and normally holding said clamping plate against said shoulders, adjusting screws connected to said bed plate, lifting springs interposed between said screws and the lower ends of said guide posts, means to limit the extent of separation of said base and clamping plate by said lifting springs and punch rods mounted in the perforations of said head plate and extending into the perforations of said clamping plates.

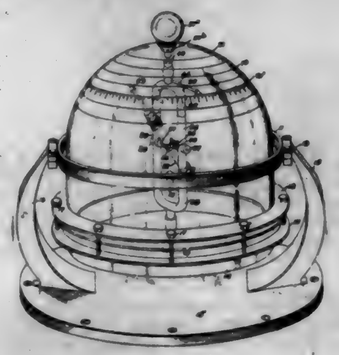
1,533,682. ASH RECEIVER. WALTER J. WOTWOT, Chicago, Ill., assignor of one-half to Hugo Zacseck, Chicago, Ill. Filed June 13, 1924. Serial No. 719,793. 8 Claims. (Cl. 131—51.)

1. A receptacle for the purpose set forth, comprising a casing containing an inlet, and means closing said inlet comprising a closure-element supported to be movable into and out of a position for closing said inlet, and



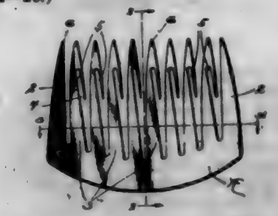
means yieldingly forcing said closure-element into sliding engagement with the portion of the wall of said casing containing said inlet.

1,533,683. COMPASS AND MAGNETIC DIP INDICATOR. CHARLES G. ABBOT, Washington, D. C., assignor to General Electric Company, a Corporation of New York. Filed Oct. 27, 1921. Serial No. 510,802. 11 Claims. (Cl. 33—204.)



1. A compass and magnetic dip indicator comprising a vessel, a liquid contained in said vessel, a magnetic needle supported in said liquid so as to be free to take up a position in the direction of the earth's magnetic field, and bearings for said needle for defining its movements about definite axes.

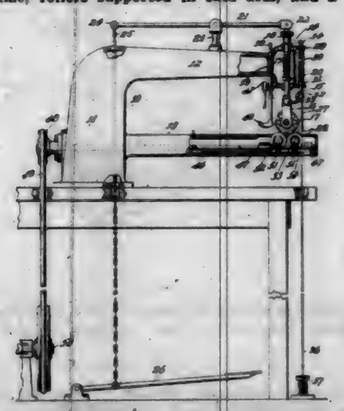
1,533,684. COMB. EDWIN A. ABBEL, Berkeley, Calif. Filed May 10, 1924. Serial No. 712,234. 4 Claims. (Cl. 132—26.)



1. A comb comprising a head member, a pair of end teeth projecting therefrom, a plurality of intermediate teeth, and hooks formed in the intermediate teeth at their outer ends and in the sides thereof.

1,533,685. CLOTHING-SEAM-PRESSING MACHINE. FRANK W. BAILEY and MAX WEINBERG, St. Louis, Mo. Filed Oct. 21, 1920. Serial No. 418,427. 7 Claims. (Cl. 68—9.)

1. A clothing seam pressing machine comprising a frame, a stationary overhanging head, a garment supporting arm formed integral with and extending from the frame, rollers supported in said arm, and a heated



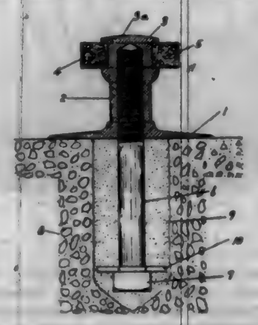
ironing roller, located above the arm and supported in the overhanging head to contact with a garment for ironing out the seam, substantially as specified.

1,533,686. METHOD OF OPERATION OF REFUSE DESTRUCTORS AND MEANS FOR PRACTICING SAME. ROBERT BALMER, Toronto, Ontario, Canada. Filed July 22, 1922. Serial No. 576,690. 31 Claims. (Cl. 110—8.)



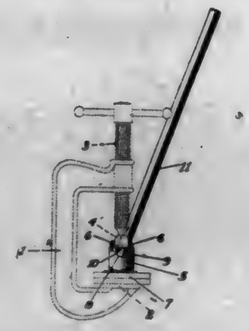
1. The method of operation of refuse destructors consisting in burning the refuse in a primary combustion chamber, leading the gaseous products of combustion therefrom to a second chamber, and there separating the inorganic matter suspended in said products from the gases thereof while maintaining the temperature in said chamber approximately at the combustion point of said gases and slightly below the fusion point of said matter.

1,533,687. DOORSTOP. KENNETH H. BECK and EDWARD H. BLACKBURN, Pittsburgh, Pa. Filed Apr. 28, 1924. Serial No. 709,341. 4 Claims. (Cl. 16—86.)



1. A stop structure for doors comprising an anchoring bolt set into a floor with its threaded portion extending above the surface thereof, an integral stop member tapped throughout approximately its entire vertical extent to receive the threaded portion of said bolt, and a washer of yielding material on said stop member.

1,533,688. EXCESS-PRESSURE ATTACHMENT FOR CLAMPS. LOUIS T. BERGH, Fairoaks, Calif. Filed May 12, 1924. Serial No. 712,772. 7 Claims. (Cl. 144—304.)

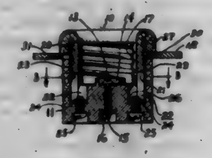


1. An excess pressure attachment for screw clamps including a head adapted to be placed between the head and foot pad of the clamps, said heads normally abutting, and means applicable to said first named head for separating the heads.

1,533,689. MAKING REFRACTORY ARTICLES AND THE LIKE. ANSON GARDNER BETTS, Kinderhook, N. Y. Filed Sept. 9, 1922. Serial No. 587,241. 4 Claims. (Cl. 18—47.5.)

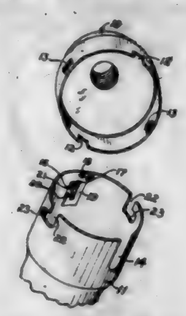
1. Process of making a refractory article which consists in molding comminuted refractory acid-insoluble material with an aqueous aluminum salt, in a metal mold, heating mold and contents driving off volatile matters, forming the contained mix to a solid physically-dry article, and separating the same from the mold.

1,533,690. ELECTRIC RECEPTACLE. TOMJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 24, 1920. Serial No. 376,290. 8 Claims. (Cl. 173—339.)



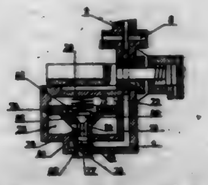
2. An electric receptacle comprising an insulating body member provided with a recess leading from one side thereof, lamp contacts including a screw shell mounted in said recess, a threaded securing element also mounted in said recess and extending longitudinally of said shell, and a clamping ring provided with a flange for clamping a plate to said body member and provided with an externally threaded substantially cylindrical body portion extending between the shell and the securing element and having threaded engagement with said element to secure the ring to the body member.

1,533,601. SOCKET SHELL OR CASING. TONJES A. BOTH, Stratford, Conn., assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed July 29, 1920. Serial No. 399,751. 4 Claims. (Cl. 173—362.)



1. A shell comprising two members one of which is adapted to be inserted in the other, one of said members being provided with an opening, the other member having slits and the wall between the slits projecting laterally, and a spring latch having a portion thereof inserted under said projecting wall and another portion being bowed with the curved portion of the bow projecting into said opening.

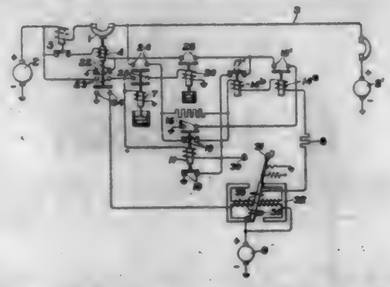
1,533,692. ACCELERATOR. DOBRIVOJE BOŽIĆ, Belgrade, Yugoslavia. Filed Nov. 5, 1923. Serial No. 672,965. 4 Claims. (Cl. 303—82.)



1. The combination, with a train-pipe normally containing fluid under pressure, of a casing, a chamber within said casing, a piston within said chamber dividing the same into upper and lower compartments, a spring acting to depress said piston, and a hollow stem for said piston extending down through the bottom wall of said lower compartment, and being formed at its lower end as a valve to control a port in the bottom wall of the casing, said hollow stem having ports communicating with said lower compartment through which the air therein can escape into said hollow stem and thence into the upper compartment on the operation of the device, and also having ports communicating with a passage located between the chamber and the casing which passage is connected with the train-pipe, and a branch of which passage communicates with the upper compartment of the chamber.

1,533,693. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. ERNEST C. BRITTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1924. Serial No. 710,673. 9 Claims. (Cl. 175—294.)

1. In an automatic reclosing circuit breaker system wherein a circuit breaker is arranged to connect a source of current to a load circuit under stub end and multiple feed conditions thereof, the combination of a low voltage auxiliary source of current arranged to be connected across said load circuit when said circuit breaker is open, and means for reclosing said circuit breaker when the current through said auxiliary source decreases below a predetermined value under the stub end feed condition



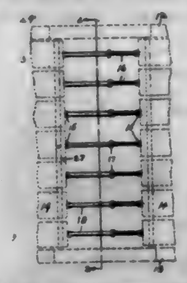
of said load circuit and increases above a predetermined value under the multiple feed condition of said load circuit.

1,533,694. MAP HOLDER. GEORGE A. CHAPMAN, Minneapolis, Minn. Filed Jan. 8, 1923. Serial No. 611,441. 4 Claims. (Cl. 129—20.)



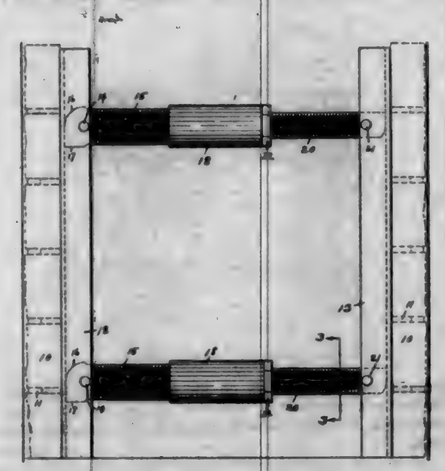
1. A map holder comprising a sheet folded along parallel lines to form a series of sections, a map folded to receive one edge of said sheet and also folded to correspond to the folds of the sheet sections, and means for holding the map in place on said sections.

1,533,695. GREEN-FRUIT BRACE. SIDNEY L. CONLAN and HERBERT F. PLOUGH, Inglewood, Calif. Filed Dec. 20, 1923. Serial No. 683,430. 4 Claims. (Cl. 105—369.)



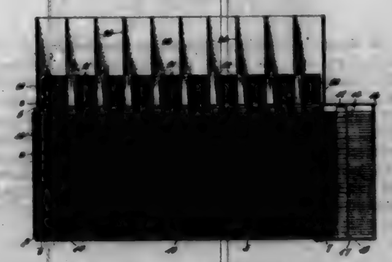
1. A plurality of spaced green fruit braces adapted to be placed longitudinally in the doorway of a fruit car between boxes piled at each end of the car, each of said braces having, in combination, a pair of upright channel members; a plurality of vertically spaced braces hinged at each end between said channels, each of said braces including a hollow pedestal hinged to one of the uprights; a screw telescoping into said pedestal; a nut on said screw touching said pedestal; and hinges joining said channels to said pedestal and screw, said hinges having stop means on opposite sides thereof adapted to permit all of the braces to fold in one direction only.

1,533,696. FRUIT-BOX BRACE. SIDNEY L. CONLAN, Oakland, and HERBERT F. PLOUGH, Inglewood, Calif. Filed Apr. 7, 1924. Serial No. 704,608. 1 Claim. (Cl. 105—369.)



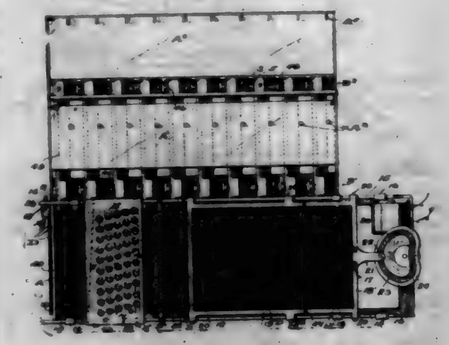
A fruit brace having, in combination, a pair of upright channel members adapted to be nailed between the boxes of fruit stacked in the ends of a car, said members having their channel sides facing each other; pairs of tubular members between said channels, said tubes having a large diameter internal thread almost their entire length and a small diameter internal thread at one end thereof; screws hinged to one of said channels threading into the smaller threaded openings of said tubular members; a pair of externally threaded tubes hinged to the opposite channel and screwing into the larger openings in said first mentioned tubular member, said last mentioned tubular member having an opening large enough to receive said screw member.

1,533,697. SORTING MACHINE. GEORGE W. COX, Jr., Washington, D. C., assignor to National Assorting Company, Washington, D. C., a Corporation of Delaware. Filed May 6, 1922. Serial No. 559,020. 73 Claims. (Cl. 129—16.1.)



2. The method of sorting a multiplicity of promiscuously arranged papers into a plurality of appropriate groups which consists in simultaneously providing paper-receiving spaces in each group and then inserting the appropriate paper in proper place in its appropriate group.

1,533,698. SORTING MACHINE. GEORGE W. COX, Jr., Washington, D. C., assignor to National Assorting Company, Washington, D. C., a Corporation of Delaware. Filed May 13, 1924. Serial No. 713,089. 56 Claims. (Cl. 129—16.1.)



1. A sorting machine provided with a plurality of movable separator elements, and power-actuated mechanism adapted to selectively move any one of said elements.

1,533,699. ELECTRICAL SWITCH MECHANISM. ALFRED CARLYLE DAY, Melbourne, Victoria, Australia. Filed Feb. 14, 1923. Serial No. 618,978. 1 Claim. (Cl. 200—168.)

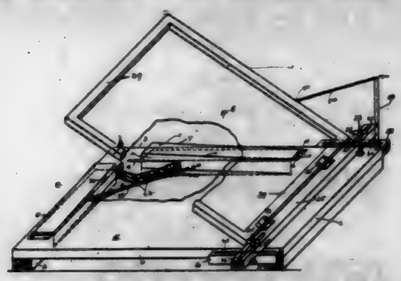


In electrical switch mechanism in combination a chamber casing having a front which is closed except for two spaced openings, the material around each opening being raised to accommodate projecting portions of the mechanism, a primary switch located in said casing and a portion thereof extending through one of said openings, subsidiary circuit mechanism also located within said casing and a portion thereof projecting into the raised portion and through said other opening, an insulating support overlying the latter mentioned raised portion on the inside of the casing, and spring contact fingers carried by the insulating support and adapted to co-operatively co-act with said primary switch and said subsidiary circuit mechanism.

1,533,700. CARD-REGISTERING MACHINE. CARROLL WALLACE DERBY and MARION PHILLIPS, Portland, Oreg., assignors of one-fifth to J. T. Loofbourow, one-fifth to J. G. Meeks, and one-fifth to E. D. Howe. Filed Sept. 27, 1920. Serial No. 413,055. Renewed Mar. 12, 1925. 9 Claims. (Cl. 101—126.)

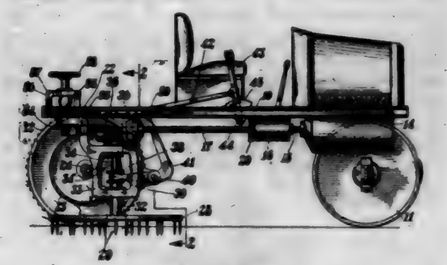
1. In a device of the class described, the combination with a rectangular bed-plate, of two disappearing guide members operatively disposed in parallel relationship.

respectively, to two adjacent edges of the bed-plate, said guide members each provided with means engaging the



top of the bed-plate for limiting their downward movement, said means being adapted to substantially coincide with the plane of the top of the bed-plate.

1,533,701. HARROW. MICHAEL EVANUK, New York, N. Y. Filed July 17, 1924. Serial No. 726,464. 3 Claims. (Cl. 97—48.)



1. A harrow comprising a truck, a bracket hinged to said truck, a circular harrow, a shaft on which said harrow is mounted, said shaft being supported by said bracket, means for rotating said shaft, and means for angularly adjusting said bracket on said truck.

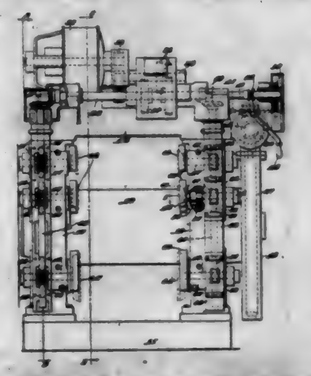
1,533,702. CONCEALED CLASP. BERNARD GERLA, New York, N. Y. Filed July 6, 1923. Serial No. 649,827. 5 Claims. (Cl. 24—85.)



2. A tie clip comprising a flat strip of metal doubled upon itself to form an intermediate reach and two outer reaches, one of the outer reaches being pointed to form a pin, the other outer reach projecting at its free end beyond the adjacent end of the intermediate reach, said free end being in the form of an outwardly curved lip, and a safety catch in the form of a tongue struck out from said intermediate reach for engaging the free end of said pointed reach.

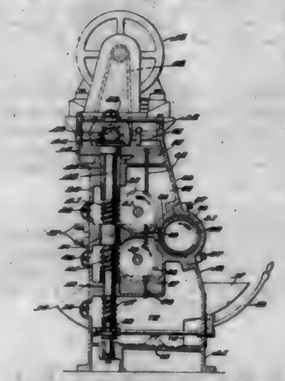
1,533,703. DRUM-TYPE MILLING MACHINE. JOHN R. JOHNSON, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Oct. 17, 1921. Serial No. 508,340. 30 Claims. (Cl. 90—20.)

1. A drum type continuous milling machine comprising, in combination, a rigid frame structure including laterally spaced upright housings, vertically spaced spindles journaled in bearings within each housing disposed adjacent to the front thereof and adapted to carry roughing and finishing surface milling tools, a rotary work-carrying drum interposed between and



mounted on the housings on an axis intermediate the spindles and adjacent to the rear of the machine, and mechanism for continuously rotating the spindles and drum.

1,533,704. DRUM-TYPE MILLING MACHINE. JOHN R. JOHNSON, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Oct. 17, 1921. Serial No. 508,341. 32 Claims. (Cl. 90—20.)

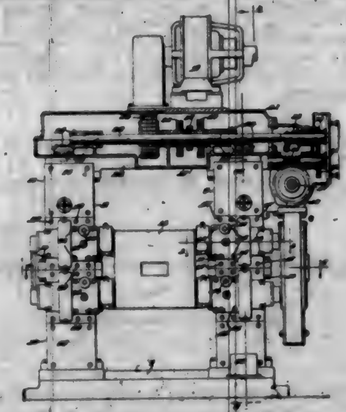


1. A drum type milling machine, comprising, in combination, an integral frame structure including laterally spaced upright hollow column housings joined by a base portion and a hollow top portion and shaped at its top to provide an interior oil reservoir, a rotary work-carrying drum and tool spindles mounted on the housings, mechanism for rotating the drum and spindles, and means providing a circulation of oil from said reservoir down through the housings for lubricating said mechanism and parts driven thereby.

1,533,705. DRUM-TYPE MILLING MACHINE. JOHN R. JOHNSON, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Nov. 8, 1921, Serial No. 513,843. Renewed Dec. 10, 1924. 9 Claims. (Cl. 90—20.)

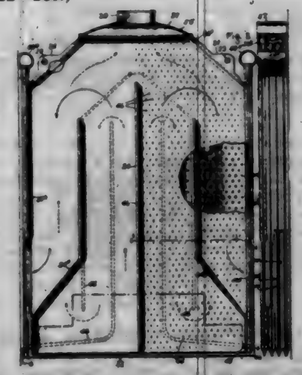
1. In a milling machine, in combination, a housing having a front opening; a spindle-driving worm in the housing in registration with said opening; a spindle unit

comprising a tool spindle, a saddle in which the spindle is mounted for rotation, and a worm gear concentric and in driving connection with the spindle; and means for removably securing the spindle unit on the front of



the housing in which position the spindle worm gear extends through said opening and meshes with the spindle-driving worm and from which position the spindle unit is removable independently of the worm.

1,533,706. BOILER. LOUIS C. LOEWENSTEIN, Lynn, and HARVEY N. DAVIS, Cambridge, Mass., assignors to General Electric Company, a Corporation of New York. Filed Mar. 22, 1919. Serial No. 284,383. 6 Claims. (Cl. 122—260.)



1. In a boiler, the combination of a casing, a plurality of grids each comprising a pair of sheets of thin metal united along their edges, separators between the sheets forming definite liquid and vapor spaces, means separating the grids to form passages for the flue gases, a super-heater into which the grids discharge vapor, and which is supported by the grids and heated by the flue gases, means for supporting the grids within the casing, an inlet for feeding liquid to each of the grids, and an outlet for the vapor which communicates with the super-heater.

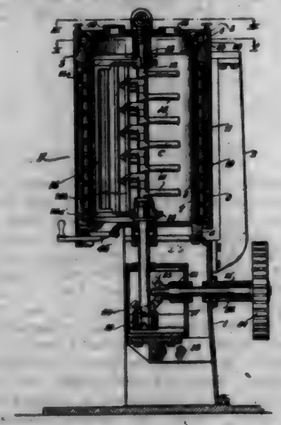
1,533,707. SHUTTLE GUARD FOR LOOMS. PHILIP NATHANSON and JACOB SONTAG, Allentown, Pa. Filed Apr. 16, 1924. Serial No. 706,812. 2 Claims. (Cl. 139—198.)

1. A shuttle guard of the character designated, formed with a plurality of longitudinal bars rigidly attached to end members slidably mounted on brackets secured to the reed cap and all movable in unison, said brackets, and gravity latch means interposed between said brackets and said slidable members of the guard, one side of



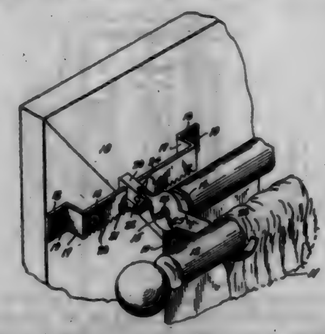
the guard being capable of being raised independently of the other side, substantially in the manner and for the purpose set forth.

1,533,708. ICE-CREAM FREEZER. LEROY S. PROUTS, Canton, Ohio. Filed Sept. 23, 1924. Serial No. 739,310. 6 Claims. (Cl. 62—174.)



1. The method of making ice cream and the like in a freezing chamber, which consists in introducing a gas into the freezing chamber to displace air therefrom, then introducing liquid ingredients into the chamber and freezing the same therein.

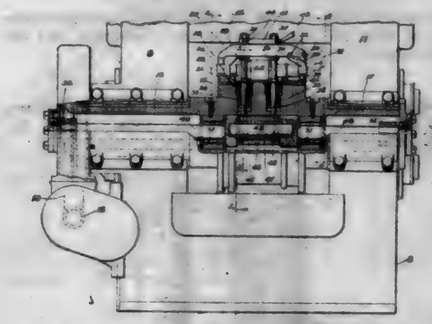
1,533,709. SUPPORTING BRACKET. ANDREW SAKSA, Bridgeport, Conn. Filed May 9, 1923. Serial No. 637,782. 6 Claims. (Cl. 156—24.)



5. In an article supporting device, a substantially flat bar placed on edge and provided with a plurality of notches in its lower edge, means for mounting the bar, a block provided with a transverse slot adapted to receive the upper edge of the bar, and an article support pivoted to the block and supported thereby, said

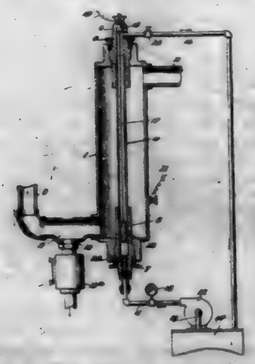
support being provided with a portion extending under the bar and adapted to seat in the notches in the lower edge thereof and be held therein under action of the article supported.

1,533,710. AUTOMATIC WORK FIXTURE. WILLIAM C. SPROUL, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Jan. 10, 1921. Serial No. 438,402. 26 Claims. (Cl. 90—59.)



1. In a machine of the character described, in combination, a frame having laterally spaced side housings, a work-carrying drum interposed between said housings and having cylindrical ends journaled thereon, means for rotating the drum, a pair of locating rings axially spaced on the drum having circumferentially spaced work seats, clamps for holding the work down on said seats, radially disposed clamp bolts held in the drum and connected to the work clamps, a coil compression spring on each bolt operative against the work drum for moving its bolt inwardly to clamp the work, an eccentric cam within the work drum, and each clamp bolt having a follower at its inner end adapted to ride on said cam and to be operated thereby for releasing its clamp from the work.

1,533,711. APPARATUS FOR AND PROCESS OF TREATING WITH HIGH-TENSION CURRENTS. EMBRIDGE W. STEVENS, Baltimore, Md., assignor to The Petroleum Hydrogenation Company of America, Incorporated, Wilmington, Del., a Corporation of Delaware. Filed Nov. 20, 1924. Serial No. 751,130. 38 Claims. (Cl. 204—24.)



1. In an apparatus of the class described, a device for containing gases and electrodes connected with the poles of a source of high potential current, one of said electrodes being insulated.

1,533,712. STEEL ALLOY. BENNO STRAUSS, Essen-Bredeney, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed July 17, 1923. Serial No. 652,128. 1 Claim. (Cl. 75—1.)

As a composition of matter for use in manufacturing articles requiring a high resistibility against corrosion by ammonium-chloride solutions, a steel alloy containing 18 to 24 per cent of chromium, 7 to 20 per cent of nickel, 2 to 6 per cent of copper and 0.1 to 0.4 per cent of carbon.

1,533,713. HELICOPTER MECHANISM FOR FLYING MACHINES. FRANK TATAY, New York, N. Y. Filed Apr. 10, 1924. Serial No. 705,485. 5 Claims. (Cl. 244—16.)



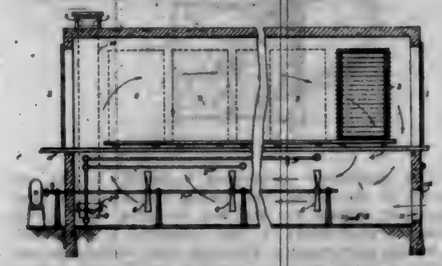
2. A flying machine having a pair of paddle wheels arranged on axes transverse to the machine, fixed housings covering the rear halves of the said wheels and rotary housings adapted to cover to varying extents the front halves of said wheels, and means for adjusting said housings either independently of one another or in unison, including gear teeth formed on said housings, a pair of shafts having gear connections with the respective gears on the housings, gears on said pair of shafts, a third shaft located between said pair of shafts, and gears on said third shaft adapted to selectively engage the gears on the said pair of shafts.

1,533,714. MULTIPLE-FUSE PLUG. WILLIAM H. TAYLOR, CHARLES W. DOWNS, and JACOB W. BARBEY, Detroit, Mich. Filed May 6, 1922. Serial No. 559,075. 10 Claims. (Cl. 200—125.)



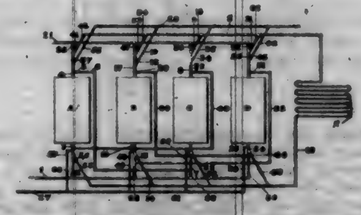
1. In a fuse plug, a body of insulating material having a central longitudinal aperture and a series of longitudinal apertures spaced radially thereabout, the lower end of the body being provided with a series of notches arranged radially between the central aperture and the series of apertures, a transparent disc cemented on the upper face of the body and covering the apertures therein, a series of fuse elements each having an end extending into one of the notches of the body, the said fuse elements each extending upwardly into one of the series of apertures and being provided with a portion of least current capacity adjacent the transparent disc, a metal shell secured to the body, the opposite ends of the fuse elements being secured to the said shell, a foldable paper member closing the apertures of the body to the shell, a rod extending upwardly through the central aperture and having a pointer on the upper end thereof indicating the fuse element in the circuit, the lower end of the rod being return bent and adapted to contact the ends of the fuse elements in the notches of the body, and a spring holding the return bent end of the rod in contact with the respective fuse element.

1,533,715. PROGRESSIVE DRY KILN FOR LUMBER. HARRY DONALD TIEMANN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of The United States of America. Filed May 23, 1924. Serial No. 715,450. 6 Claims. (Cl. 34—16.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



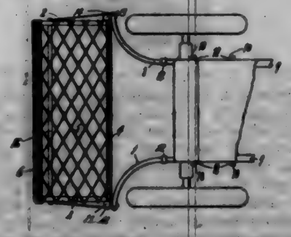
1. In a progressive dry kiln arranged for flatwise cross-piling or for edgewise end- or cross-piling of lumber, fans without housing placed beneath the lumber in such a manner as to accelerate the endwise circulation of air in the kiln, and means for rotating the fans.

1,533,716. PROCESS AND APPARATUS FOR THE RECOVERY OF GASEOUS VAPORS. CLYDE LEONARD VORESS, VERNON CHARLES CANTER, and ROBERT WALFRED SKOOG, Charleston, W. Va. Filed Nov. 12, 1924. Serial No. 749,465. 11 Claims. (Cl. 183—114.6.)



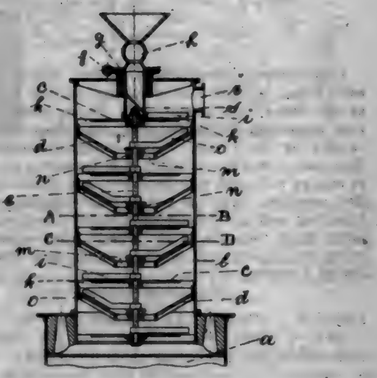
1. A process for the extraction of gaseous vapors from gas mixtures which consists in a multiple step system, each step having the successive parts of absorption of recoverable vapors in a solid absorbent displacement absorbed vapors by distilling vapors and cooling with the lighter vapors carried along with the residue vapors from the previous absorption in multiple successive contacts, wherein forced cooling by conventional means is resorted to between each of the last mentioned successive multiple contacts.

1,533,717. SAFETY DEVICE FOR AUTOMOBILES. WILLIAM P. WILLIAMSON and AUSTIN C. QUIMBY, Ludlow, Mass. Filed Dec. 17, 1924. Serial No. 756,463. 7 Claims. (Cl. 293—44.)



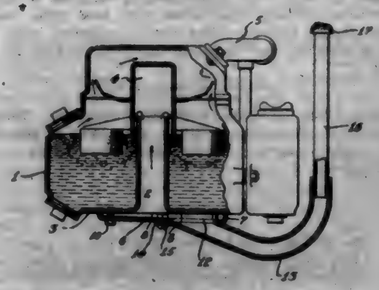
1. As an improved article of manufacture, a safety device, for automobiles, comprising arms which are adapted to be attached to the frame of an automobile, flexible members attached at their ends to said arms and forming a yielding back, side-pieces pivotally connected at their rear ends with said arms, flexible material attached at its ends to said side-pieces to form a yielding platform, and means to support in an approximately horizontal position said side-pieces from said arms.

1,533,718. DEVICE FOR DEFLECTING, OPENING, AND CRUSHING FUEL, OR MATERIAL IN A RETORT ABOVE A GAS PRODUCER. THOMAS ROLAND WOLLASTON, Manchester, England. Filed Oct. 22, 1923. Serial No. 670,028. 2 Claims. (Cl. 202—9.)



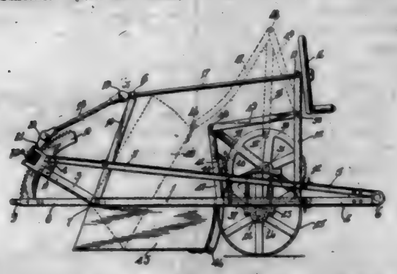
1. In a continuously carbonizing retort mounted in gas communication with a gas producer, and provided with fixed floors or stages alternate peripheral and central apertures therein and movable ploughs adjacent to said stages, movable material-crushing members at such central apertures and gearing and connections operating said ploughs and crushing members, substantially as herein set forth.

1,533,719. INTAKE ATTACHMENT FOR AIR WASHERS. MILLARD O. WOOLF, Oatville, Kans. Filed Nov. 26, 1921. Serial No. 517,881. 1 Claim. (Cl. 261—1.)



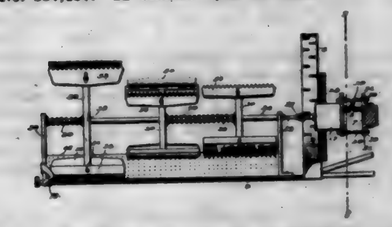
In an air-washer provided with a liquid-containing casing having an air-inlet, an intake-attachment comprising a plate having extending flanges and secured to the liquid-containing casing adjacent the air-intake so as to form a chamber between itself and the said casing and communicating with the air-intake, and a conduit associated with the plate so as to communicate with said chamber and extending to a point remote from the air-intake.

1,533,720. SCRAPER. PHILIP C. ANDERSON, Rapid City, S. Dak. Filed Apr. 30, 1923. Serial No. 635,746. 6 Claims. (Cl. 37—126.)



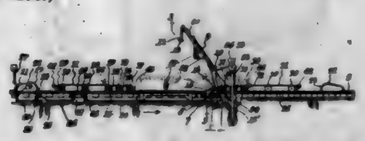
1. A scraper comprising a frame, wheels secured to said frame, a draw bar pivotally secured to the frame at the front end thereof, said frame having an extension projecting forwardly above the draw bar, a bucket carried by the frame, a rack-quadrant secured to said draw bar, a worm carried by said extension and arranged to engage with said rack-quadrant, and means for rotating the worm to cause a relative movement between the draw bar and the extension, whereby the frame is oscillated about the axis of the wheels, thus raising or lowering the bucket said worm locking said frame in adjusted position.

1,533,721. MOWER ATTACHMENT. ROY CLARENCE BECTON, Dyer, Tenn. Filed Apr. 29, 1922. Serial No. 557,437. 11 Claims. (Cl. 56—207.)



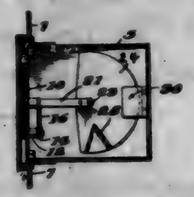
1. An attachment for mowers comprising a reel inclusive of an axle and a series of arms mounted loosely on the axle, driving members mounted on said axle, said arms being formed with shoulders adapted to be engaged by said driving members to establish a driving connection between said arms and said axle, and a spring urging said shoulders into engagement with said driving member, and brushing members carried by said arms.

1,533,722. RAILWAY-CROSSING GATE. THOMAS MITCHELL BLACKWELL, Basic City, Va. Filed Nov. 22, 1924. Serial No. 751,635. 4 Claims. (Cl. 246—293.)



1. A gate operating mechanism including a gate supporting shaft, a disk eccentrically mounted on the shaft and having a notch portion, a latch member disposed within the notched portion for holding the shaft normally against movement, train controlled means for operating the latch member to release the shaft to permit the gates supported thereby to move to their active positions, and gate controlled means for returning the shaft and gates to their normal positions.

1,533,723. GRADOMETER. LEON M. BROWN, Spokane, Wash. Filed Feb. 15, 1924. Serial No. 693,079. 7 Claims. (Cl. 33—215.)



1. A gradometer comprising a casing, a dial connected to the casing and having graduations, a shaft extending through the dial and having a hand playing over the graduations, a gear connected to said shaft, a second gear meshing with said first named gear and having a radial extension, a spring arm pressing against said extension, and a weighted operating member having connection with said spring arm for operating the same.

1,533,724. FITTING FOR CONNECTING TOGETHER PARTS OF WOODEN STRUCTURES AND THE LIKE. WILLIAM HENRY CLARKE-JAMES, London, England. Filed Oct. 16, 1922. Serial No. 595,012. 1 Claim. (Cl. 20—92.)

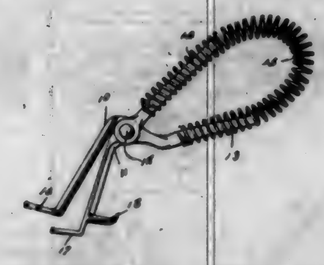
A fitting for connecting together parts of wooden structures comprising a bracket secured to one part to be connected and a clip adapted to be secured to the other part, the bracket comprising vertical spaced members, the front one being a rectangular plate and having attached to its back surface a smaller member of a wedge shaped tongue formation which flares downwardly and outwardly from its top end and the clip consisting of a front plate having formed therein a flared slot corresponding to the shape and disposition of the flaring tongue and provided with means for keeping the said tapered slot portion spaced from the surface to which the clip is secured, as set forth.

1,533,725. SASH OR SCREEN LOCK. FRED M. DAVENPORT, Los Angeles, Calif. Filed May 10, 1923. Serial No. 637,968. 7 Claims. (Cl. 292—256.)



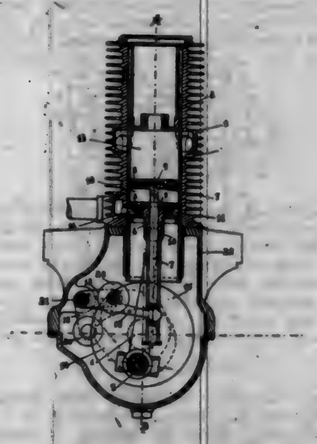
1. A double sash lock comprising a box having a bottom for attachment to a support, a side for mounting, a clamping screw, a second side rigid with the bottom and opposite the first side, there being an opening through the bottom, a shoe fitting in the opening against the side and having a laterally extending tongue, a set screw mounted through the side and engaging the shoe, a central tongue having flanges resting upon the first tongue and extending through the opening in the bottom so as to form two spaces for the reception of sash frames and so as to grip and lock the sash frames by manipulation of the set screw.

1,533,726. COMBINATION LIFTER. BENJAMIN F. DAVIS, Plainview, Tex. Filed Sept. 6, 1924. Serial No. 736,307. 1 Claim. (Cl. 294—18.)



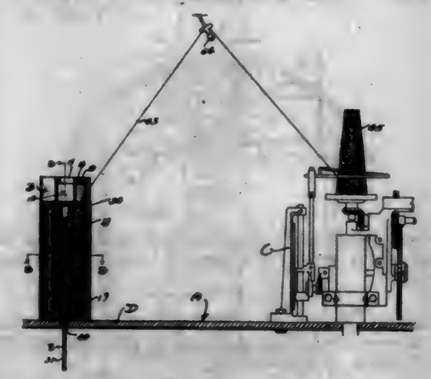
In a device of the character described, a pair of angular members pivoted in cross relation and connected at one end by a coil spring telescoped thereonto and defining a handle, the other end of said angular members being formed with jaws located in spaced parallel relation when the angular members are brought into contact, the outermost angular member being formed at a point spaced from the jaw with a spur extending oppositely to the direction of extension of the jaw member and adapted for engagement upon the top of a stove lid when the jaw member is engaged beneath the transverse web in the lifter hole of the lid.

1,533,727. TWO-STROKE EXPLOSION ENGINE. JOSEPH DE COSMO, Neuilly-sur-Seine, France. Filed June 6, 1923. Serial 643,701. 1 Claim. (Cl. 123—66.)



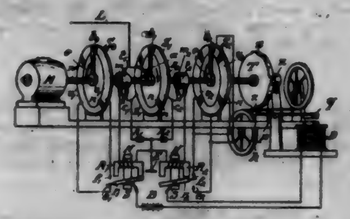
In a two-stroke explosion engine, a cylinder having intake ports, a distributing piston in said cylinder, a scavenging piston in said cylinder movable relatively to the distributing piston, valves in both of said pistons, said distributing piston having an internal chamber, adapted to communicate directly with the intake ports of the cylinder, a transfer chamber arranged between said pistons, the valves in the distributing piston permitting a fuel mixture from the intake ports to pass into the transfer chamber, and means for moving the pistons relatively to one another to cause the scavenging piston to draw the fuel mixture into the transfer chamber.

1,533,728. APPARATUS FOR SEPARATING AND UNRAVELING YARNS OF KNITTED FABRICS. HENRY F. DRENK, Riverside, N. J. Filed Mar. 7, 1923. Serial No. 623,419. 12 Claims. (Cl. 28—17.)



1. An apparatus for separating and unraveling the main and splice yarns of hosiery comprising a hosiery holder, backwinding means for the main yarn of the hosiery, and a weight supported by the splice yarn to exert a constant pull on the same during unraveling of the main yarn to separate it therefrom.

1,533,729. TYPEPRINTING TELEGRAPH. ERWIN EHRHARDT, Hermsdorf, near Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Oct. 26, 1920. Serial No. 419,779. 2 Claims. (Cl. 178—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

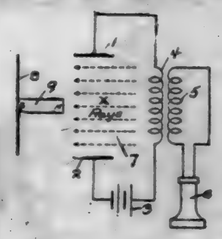


1. In a receiver for type-printing telegraphs in which the signal to be printed is composed of a plurality of line current impulses, in combination a distributor consisting of a moving element connected to the line and contact segments equal in number to the number of impulses composing a signal, condensers each connected to one of said segments, relays equal in number to that of the condensers and each connected to the other side of one of said condensers, a switching device adapted to mechanically coact with the moving element of said distributor and electrically connected to said relays and condensers to cause their connection in circuit with each other when no line impulses are transmitted to said condensers, and a printing mechanism electrically controlled by the armatures of said relays.

1,533,730. TELEPHONE TRANSMITTER. RICHARD A. ENGLUND, New York, N. Y. Original application filed Sept. 2, 1919, Serial No. 321,195. Divided and this application filed July 29, 1924. Serial No. 728,974. 26 Claims. (Cl. 179—121.)

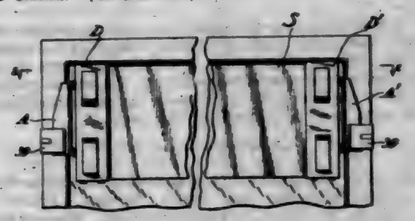
1. In a telephone transmitter, the combination of a pair of electrodes and an ionized column of air between

them, both included in a circuit consisting further of a battery and an induction coil, said ionized air column serving both as the sound wave conveying medium and



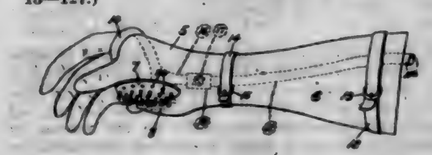
current conducting medium, the said column of air being directly spoken to to vary the current flow in said circuit.

1,533,731. AUTO SHADE. JOSEPH W. FOLEY, Los Angeles, Calif. Filed July 6, 1923. Serial No. 649,789. 5 Claims. (Cl. 296—97.)



4. An auto shade, comprising a strip of screen material such as celluloid, attaching devices connected to the ends of the sheet of material, and supporting devices adapted to be mounted upon the side bars of a windshield and having hooks projecting inwardly, the attaching device having strips yieldingly mounted with eyes at their outer ends to engage the hooks.

1,533,732. SPRAY AND WASH RUBBER GLOVE. RUPERT LIVINGSTONE FROST, Cincinnati, Ohio, assignor of one-half to Enoch P. Pinkston, Norwood, Ohio. Filed July 25, 1924. Serial No. 728,276. 1 Claims. (Cl. 15—127.)



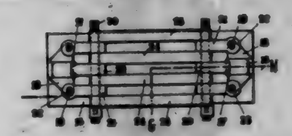
In a spray and wash water-proof glove, the combination of a main hand-portion, finger and thumb portions normally-extending in an inwardly turned or flexed grasping-form from the said hand-portion, a gauntlet-cuff portion, a minutely-perforated auxiliary or false palm portion seamed along its edge within the palm-proper of the said hand-portion, a tubular loop-portion having an exit leading to the distributing-chamber formed by the presence of the said auxiliary-palm portion and adapted to pass around the back of the hand of the user, a regulating and controlling valve provided in the said tubular loop-portion, a water-conveying feed-tube leading to the said tubular loop-portion, an encircling band having a fastening-buckle and provided on the feed-tube to the rear of the said hand fastening-loop portion, an elbow-band having a securing-buckle and provided on the upper extended-end of the said feed-tube to encircle the said gauntlet-cuff portion and thereby support the device on the fore-arm of the user thereof, and coupling-means at the extreme inner end of the said feed-tube for attachment to the source of water-supply, substantially as shown and described.

1,533,733. WASH CLOTH. CLARA P. GILLUM, Los Angeles, Calif. Filed Aug. 4, 1924. Serial No. 729,873. 4 Claims. (Cl. 15—223.)



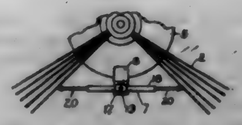
1. A strip having engaging means for the respective hands adjacent its ends so that the intermediate portion of the strip may be drawn across a surface, said engaging means comprising retaining members spaced from the back of the strip for insertion of the outstretched hands beneath the same and against the strip, said retaining members being secured at their sides to the strip whereby the sides of the hands inserted beneath the retaining members will abut against the sides of said retaining members to maintain the strip extended to its full width.

1,533,734. CHILL MOLD. OTTO GÖTZE, Messingwerk, near Eberswalde, Germany, assignor to Hirsch, Kupfer- und Messingwerke Aktien Gesellschaft, Berlin, Germany, a Corporation of Prussia, Germany. Filed Jan. 3, 1924. Serial No. 684,147. 7 Claims. (Cl. 22—149.)



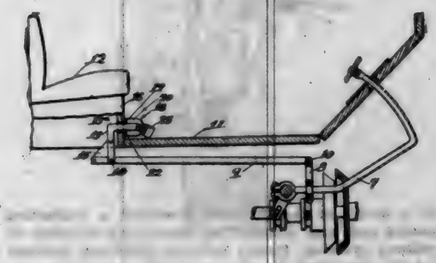
1. A chill mold, comprising, in combination, spaced detachable side-plates adapted to be reversed so as to have either face located at the interior of the mold; intermediate members adapted to close the gap between said plates and the sides; standards to which said intermediate members are detachably attached; a base plate bearing said standards; and means for connecting said plates and the intermediate members with each other.

1,533,735. SPACING ELEMENT FOR ROTARY INDICES. WILLIAM HINES, Washington, D. C. Filed Feb. 14, 1924. Serial No. 692,926. 3 Claims. (Cl. 40—72.)



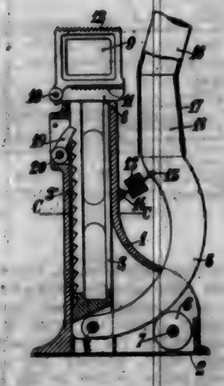
1. The combination with a rotary index including a series of hinged leaves and a support for the index; of a clamping member affixed to the support, an arm pivotally connected to the clamping member and having vertical and horizontal positions, an extendable crosshead mounted on the free end of the arm and forming a spacing element, said element being located exterior of the index when the arm is in a horizontal position and between the index leaves to effect a predetermined spacing thereof when said arm is in a vertical position.

1,533,736. CLUTCH LOCK FOR MOTOR VEHICLES. CHARLES F. HUMPHREY and GERALD M. JEFFREY, Pasadena, Calif. Filed May 5, 1924. Serial No. 711,124. 1 Claim. (Cl. 70—128.)



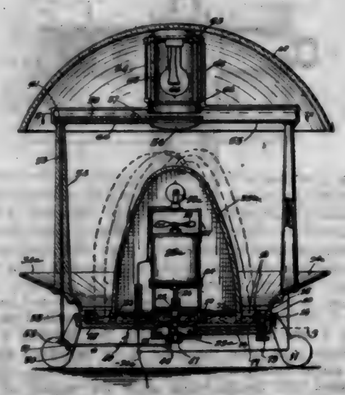
A clutch lock for automobiles comprising a clamp adapted to be attached to the clutch lever, a link pivotally connected to said clamp and extending under the floor of the automobile, an L-shaped member secured to said link and extending upwardly under the seat of the automobile and forwardly to the front of the seat, a lug secured to a support of the seat and a lock engaging said lug and said L-shaped member.

1,533,737. LEVER JACK. PIERRE JACOMY, Toulouse, France, assignor to Société Anonyme la Chevrette, Toulouse, Haute-Garonne, France. Filed May 28, 1923. Serial No. 642,070. 1 Claim. (Cl. 254—113.)



A jack comprising a frame, a base at the lower end thereof, the frame and base being formed with a vertical guideway, a toothed lifting rod slidable in the guide, a housing formed on the side of the frame and communicating with the guideway, a shaft journalled through the housing, a pawl keyed to the shaft within the housing and engageable with the toothed lifting rod, a counterweight keyed to the shaft exteriorly of the housing, a curved lever pivoted to the lower end of the rod and extending through and above the base, and a roller journalled in the base for supporting the lever.

1,533,738. ILLUMINATED ELECTRIC FOUNTAIN. JOSEPH I. KANE, Los Angeles, and HENRY W. A. FUHRMANN, Alhambra, Calif., assignors, by mesne assignments, to Eugene John Pineau, Los Angeles, Calif. Filed July 21, 1921. Serial No. 486,890. 1 Claim. (Cl. 299—4.)



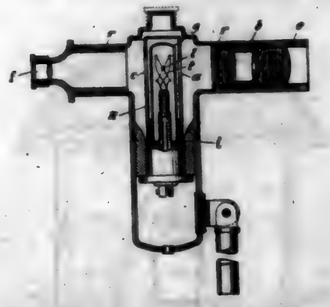
A fountain comprising a transparent housing, a motor operated impeller for spraying water about the housing, illuminating means within the housing, a lens above the housing, a lamp above the lens, rotatable coloring means interposed between the lamp and lens, and means operatively connecting said motor with said coloring means to impart rotation thereto.

1,533,739. TREE HOLDER. LAURENCE G. KARR, Long Beach, Calif. Filed Apr. 2, 1924. Serial No. 703,628. 5 Claims. (Cl. 248—36.)



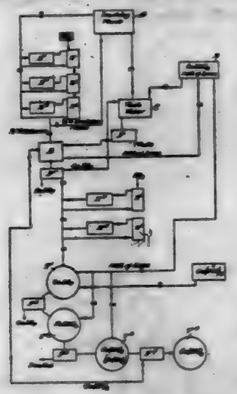
3. A tree holder comprising a lower plate, legs for said plate, said legs having flexible extensions upwardly beyond said plate and forming gripping members for a tree, a plate above the first mentioned plate and adapted to bear the weight of a tree, hinged means for suspending the upper plate from said extensions, a hold bolt passing through said plates and secured to the upper plate, said bolt comprising a series of cones, a guide for said bolt and spring latches adapted to engage any one of said cones.

1,533,740. PYROMETER. GEORGE KEINATH, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 27, 1921. Serial No. 495,914. 12 Claims. (Cl. 73—32.)



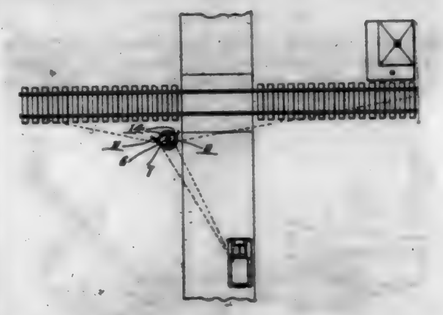
1. In a pyrometer of the character described in combination a thermo element, means for leading a part of the heat rays from the body to be measured directly to the warm soldered junction of said thermo element and means for transmitting such an extent of heat of another part of the heat rays from the body to be measured to the cold soldered junctions so that both of said warm and cold junctions will reach their respective final temperatures simultaneously.

1,533,741. METALLURGICAL PROCESS. FRANK O. KICHLINE and HAROLD W. SLOKER, Lebanon, Pa., assignors to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed June 13, 1924. Serial No. 719,877. 13 Claims. (Cl. 204—15.)



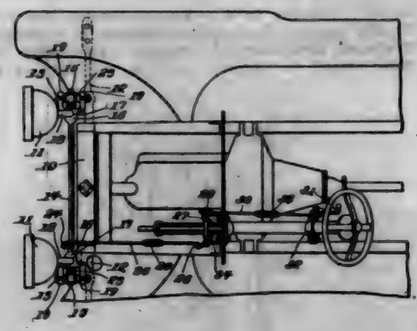
1. A metallurgical process for recovering copper from its ores comprising first treating the ores with an acid solution to dissolve the copper, whereby a relatively rich copper solution is obtained, and then treating the same with wash water, whereby a relatively lean copper solution is obtained, maintaining separate the resulting rich and lean copper solutions, electrolyzing the rich copper solution to deposit copper therefrom, withdrawing from the electrolyzing system a portion of the electrolyte solution after the same has been subjected to electrolysis, precipitating the copper in said lean solution, adding said precipitate to said withdrawn portion of electrolyte, and electrolyzing the solution thus obtained to deposit copper therefrom.

1,533,742. RAILROAD REFLECTOR SIGNAL. CHARLES H. KILPATRICK, Abingdon, Ill. Filed Jan. 21, 1925. Serial No. 3,800. 1 Claim. (Cl. 246—474.)



In a device of the character described, a supporting standard and base adapted for positioning adjacent to a railway crossing, frames carrying reflecting members pivotally supported by the standard, means for connecting the frames to permit the frames to be adjusted with respect to each other, and means for securing the frames in various positions of adjustment.

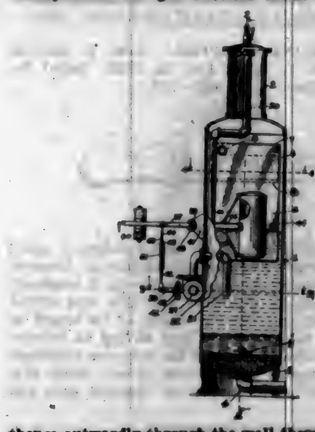
1,533,743. CONTROLLING DEVICE FOR HEADLIGHTS. JOHN A. KIMBALL, Taylorville, Ill. Filed Dec. 7, 1923. Serial No. 679,224. 6 Claims. (Cl. 240—61.)



1. The combination with a motor vehicle, of bearing brackets mounted upon opposite sides of the vehicle, a horizontal rock shaft mounted in said brackets and extending transversely across the front of the vehicle, means extending within the vehicle and operatively connected to said shaft, whereby the latter may be rocked, adjustable means carried by the shaft and engaging one of the brackets to limit movement of the shaft in opposite directions and means for yieldingly holding one of the stops in engaged position.

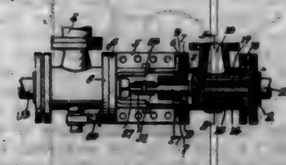
1,533,744. OIL AND GAS SEPARATOR. DAVID G. LOMBAINE, Los Angeles, Calif. Filed Nov. 6, 1922. Serial No. 599,420. 11 Claims. (Cl. 183—2.7.)

1. A device of the character described comprising a tank having a flow inlet and forming a settling chamber and a gas chamber above said settling chamber, a discharge from said settling chamber, a valve for said discharge controlled by the level of the flow relative to the device, a gas discharge conduit extending downwardly from said gas chamber inside of said tank and



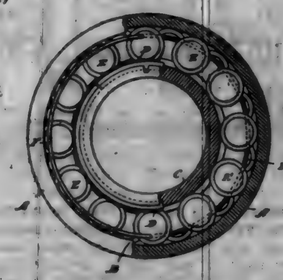
thence outwardly through the wall thereof, and a valvular control for said gas discharge conduit in the portion thereof outside of said tank.

1,533,745. VALVE. DAVID G. LOMBAINE, Los Angeles, Calif. Original application filed Nov. 6, 1922, Serial No. 599,420. Divided and this application filed Feb. 23, 1923. Serial No. 620,720. 7 Claims. (Cl. 277—4.)



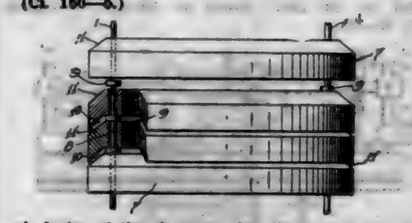
1. A valve mechanism comprising a cradle having alined positioning means, valves having operating shafts and supported by said cradle in engagement with said positioning means for alining said operating shafts, means for rotatably adjusting said shafts relative to one another, and an operating connection fixed to said adjusting means.

1,533,746. METHOD OF ASSEMBLING ROLLER BEARINGS. CHARLES I. LOTT, Norfolk, Va. Filed Dec. 14, 1922. Serial No. 606,985. 3 Claims. (Cl. 29—84.)



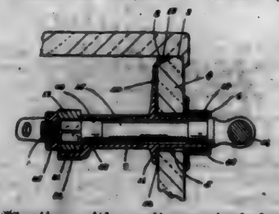
1. In assembling magnetic parts of mechanical structures, the method which consists in supplying electro-magnetic devices in position to hold said parts magnetically, adjusting the parts as desired, securing them mechanically, and breaking the electro-magnetic circuit.

1,533,747. ADJUSTABLE WELL CASING AND SAND SCREEN. WILLIAM DAVID LOUGH, Scott City, Kans. Filed May 21, 1923. Serial No. 640,543. 1 Claim. (Cl. 166—5.)



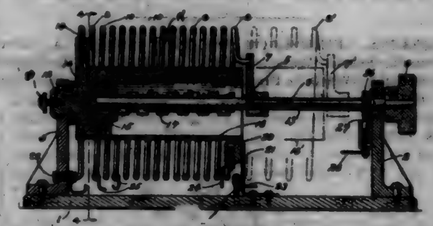
A device of the character described comprising a plurality of movable sections having a convex end wall and a concave end wall, the angle of inclination of the concave wall being greater than the angle of inclination of the convex wall, rods for mounting said movable sections in axial alignment with one another, and separable spacing members for spacing certain of said sections back from one another a predetermined distance, whereby water may enter said casing.

1,533,748. TANK LEVER. DANIEL W. MCNEIL, Cincinnati, Ohio, assignor to The John Douglas Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 2, 1922. Serial No. 540,619. 1 Claim. (Cl. 4—67.)



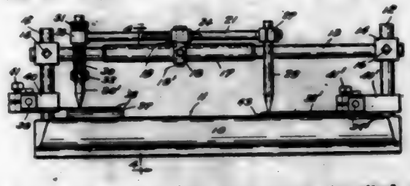
The combination with a vitreous tank having a perforation through one wall thereof and a notch at the upper edge of said wall, of a sleeve extending through the perforation, comprising a finger of a metal bendable by light hammer blows, the bent end of the finger adapted to enter the notch for precluding turning of the sleeve in the perforation, the outer end of the sleeve being threaded, the inner end of the sleeve carrying a lug, a nut mounted on the threaded end of the sleeve for holding the sleeve in the perforation, a level bar extending through the sleeve and carrying a handle at its outer end, and an arm fixedly mounted on the inner end of the lever bar and having an elongated arcuate notch therein for receiving the lug on the sleeve.

1,533,749. INDUCTANCE. OSKAR MENOWSKY, Palisade, N. J. Filed June 11, 1923. Serial No. 644,691. 8 Claims. (Cl. 171—119.)



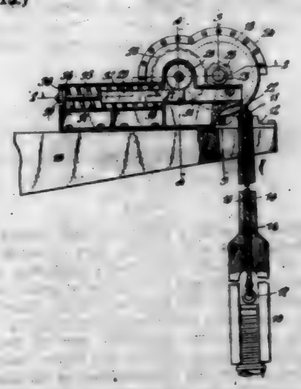
1. An inductance system comprising in combination a primary coil and a secondary coil, said primary coil being fixed in position with its turns spaced one from another, and means for moving the turns of said secondary coil in an axial direction between the turns of said other coil.

1,533,750. INSTRUMENT FOR MARKING MOLDING CUTTERS OR BITS. HARRISON J. MITCHELL, Seattle, Wash., assignor to William H. Payne, Seattle, Wash. Filed Oct. 13, 1921. Serial No. 507,499. 7 Claims. (Cl. 33—23.)



1. In an instrument of the character described, the combination with a frame, of a carriage arranged for movements longitudinally of said frame, a trammel beam pivotally connected intermediate its length to said carriage for movements parallel and in angular relations with respect to the direction of the carriage travel, a stylus carried by one arm of said beam, and a pattern tracing point carried by the other arm of the beam.

1,533,751. LIFTING DEVICE FOR TEMPER SCREWS. GUSTAVUS A. MONTGOMERY, Titusville, Pa. Filed Apr. 29, 1924. Serial No. 709,931. 9 Claims. (Cl. 255—15.)



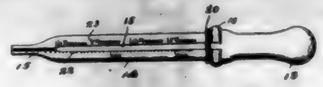
1. The combination with the walking beam of a drilling apparatus and the temper screw supported thereby, of an elevating device for the temper screw, comprising a casing mounted on the walking beam, a winding drum carried by said casing, a flexible member connected at one end to said temper screw and at its other end to said drum, and means in said casing operatively connected to said drum and tending constantly to rotate the latter in a direction to elevate the temper screw.

1,533,752. FIREPLACE DAMPER. GLENN A. MONELL, Seattle, Wash., assignor to Albert P. Robinson, Seattle, Wash. Filed Mar. 8, 1924. Serial No. 697,735. 7 Claims. (Cl. 126—288.)



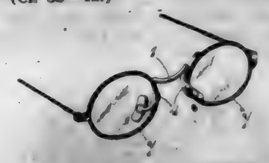
1. In a damper, a damper frame having a bolster element rigid therewith, a damper plate pivotally connected to said frame, and a stud protruding from an end of the damper plate to bear upon said bolster element for sustaining the damper plate at one edge thereof and serving to frictionally resist movement of the damper plate.

1,533,753. MEDICINE DROPPER. EARL L. MUNCH, Johnson City, N. Y. Filed Feb. 26, 1923. Serial No. 621,181. 3 Claims. (Cl. 128—233.)



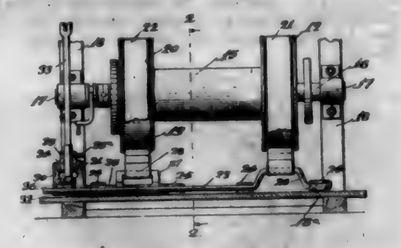
1. As an improved article of manufacture, a guard and measure indicating casing for medicine droppers comprising a cylindrical body portion having a longitudinal slot throughout its length at one side, and slitted longitudinally from one end for a part of its length at the opposite side, the slitted end part having an interior circumferential groove therein for the purposes described, the two parts between the slit and groove being constructed to spring together upon an inserted tube and bulb end.

1,533,754. EYEGLASSES AND SPECTACLES. HARRY NEWBOLD, St. Albans, and ANDREW JAMES HARRISON, Olton, England; said Newbold assignor to said Harrison. Filed Dec. 21, 1923. Serial No. 682,024. 4 Claims. (Cl. 88—42.)



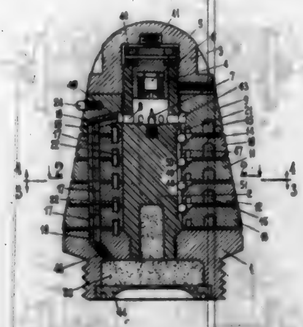
1. A frame for eyeglasses comprising a strip-like bridge member; a pair of spaced projections extending laterally from one edge of the bridge member in the plane of the strip; and a pair of lens holders formed separately from the bridge member and attached one to each of the projections thereon.

1,533,755. BRAKE EQUALIZER. FRANK L. ODENBRETT, Long Beach, Calif. Filed July 3, 1923. Serial No. 649,242. 5 Claims. (Cl. 188—204.)



3. In combination, a pair of brake bands having one of their ends fixed, a pair of shafts, eccentric connections between said shafts and the other end of said bands, gears fixed to said shafts, an operating lever, a gear rotatable on the lever, said gear being arranged between and meshing with both of the first gears, and means for limiting the movement of the lever with respect to the first gears, said means comprising a pin carried by the lever and shoulders formed on the first gears and engageable by said pin.

1,533,756. TIME FUSE. UMBERTO PANIGATTI, Brescia, Italy, assignor to Metallurgica Bresciana Gia Tempini, Brescia, Italy, a Corporation of Italy. Filed June 9, 1924. Serial No. 718,897. 7 Claims. (Cl. 102—36.)



7. A time fuse, comprising, a supporting member, firing means in said member, a first ring rotatable on said supporting member, a delay powder pellet in said ring, a series of rings rotatable on said supporting member, a delay powder pellet in each of said rings, cooperating means on said rings to cause each of them to engage that following it in the flame path after the said delay powder pellet of each ring has been carried entirely into operative condition, said supporting member and one of said rings of said series having recesses cooperating with each other to provide a chamber, a ball in said chamber locking said recessed ring with said supporting member, the ring preceding said recessed ring having a depressed portion to register with said chamber when said preceding ring has been moved through its entire possible turning movement, the recess in said recessed ring having an inclined surface acting to shift said ball into said hollow on said recessed ring being moved into rotation, to release said recessed ring from said supporting member.

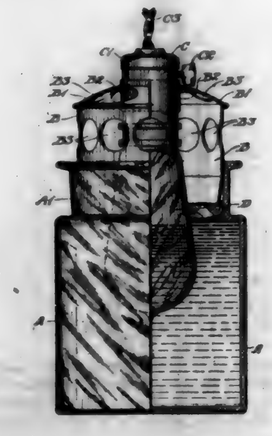
1,533,757. APPARATUS FOR CHANGING ELECTRICAL VARIATIONS TO MECHANICAL. KNUD RAHBEK and FREDERIK ALFRED JOHNSEN, Copenhagen, Denmark. Filed Mar. 10, 1919. Serial No. 281,755. 5 Claims. (Cl. 179—108.)



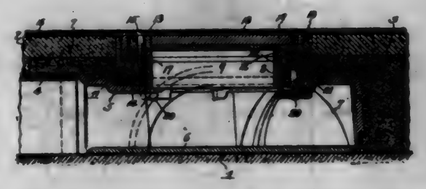
1. A telephonic receiver comprising an electro-adhesion system having a rotary element and a non-rotary element, said elements, one of which is non-metallic sliding on one another and exerting electro-adhesion on one another, and a stationary diaphragm connected mechanically to the non-rotary element.

1,533,758. HUMIDOR. CHARLES REYNOLDS, Nashville, Tenn., assignor to Elyma Reynolds. Filed May 3, 1924. Serial No. 710,915. 10 Claims. (Cl. 219—45.)

1. In an apparatus of the kind described, the combination of an upright tank having at its upper end an upward-directed open neck, a cap adapted to engage said neck, one of said members being apertured for the escape of vapor, an upright lamp socket in said cap, and an upright lamp extending downward from said socket, substantially as described.



1,533,759. JUNCTION BOX. HENRY F. RICHARDSON, Brooklyn, and ALLAN COGGESHALL, Pleasantville, N. Y., assignors of one-fourth to Henry F. Richardson, Brooklyn, N. Y.; one-fourth to Allan Coggeshall, Pleasantville, N. Y.; one-sixth to S. R. Bradley, Nyack, N. Y.; one-sixth to A. M. Cregier and one-sixth to Alonzo B. Bradley, both of Orangeburg, N. Y. Filed July 12, 1924. Serial No. 725,667. 3 Claims. (Cl. 247—15.)

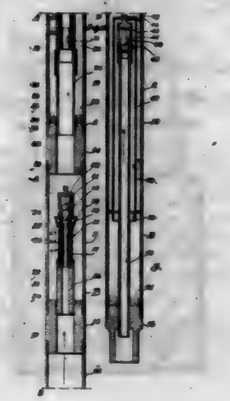


1. An outlet box comprising a main portion, an outer curb with a substantially horizontal shoulder between its ends, an inner curb mounted on and fitting within said outer curb, means to fasten said inner curb so that it rests directly on the shoulder or is spaced therefrom a distance to bring its upper end to a desired position above the upper end of the inner curb, and a cover fitting within said inner curb and flush with the top thereof.

1,533,760. OIL-WELL BARREL. CHARLES B. ROSE, Kiefer, Okla. Filed Apr. 16, 1923. Serial No. 632,490. 2 Claims. (Cl. 103—179.)

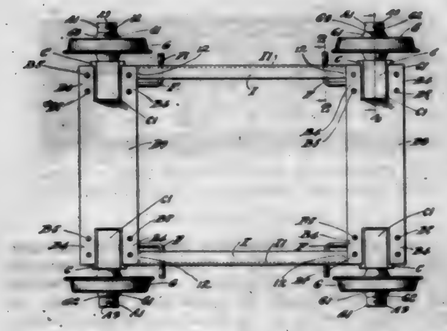
1. In a deep well pump, an outer casing, a casting carried by the lower end of the casing, a fluid inlet pipe carried by the casting, a standing valve carried by the

fluid inlet pipe, a working plunger including a working valve operatively mounted in the casing above and in spaced relation to the standing valve, a casting arranged



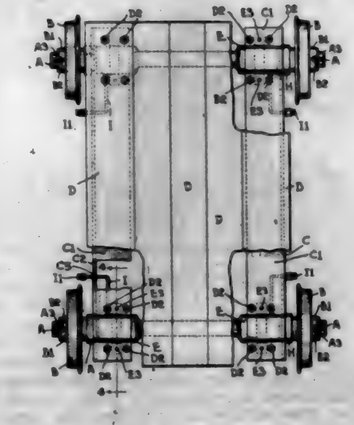
between the standing valve and working plunger, and a dropping standing valve adapted to be dropped into the last mentioned casting when the first mentioned standing valve becomes inoperative.

1,533,761. RAILWAY CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Sept. 25, 1923. Serial No. 664,652. 16 Claims. (Cl. 295—42.)



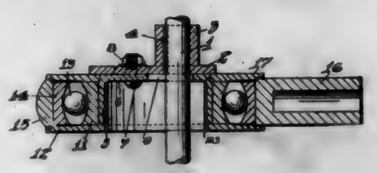
1. In a railway car, the combination of cross plates, connecting members joining the cross plates, pedestals applied to the cross plates, axle boxes applied to the pedestals, lubricant delivering pipes extending through the connecting members and into the axle boxes, axles extending through the axle boxes, and wheels on the axles, substantially as described.

1,533,762. MINE CAR. HUGH W. SANFORD, Knoxville, Tenn. Filed Aug. 8, 1924. Serial No. 730,892. 27 Claims. (Cl. 295—42.)



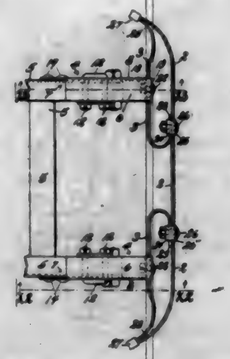
1. In a railway car, the combination with an axle and a wheel surrounding the axle, of a horizontal angle plate extending above and crosswise of the axle and having an upper horizontal flange and a notched downward-directed flange, an axle box surrounding the axle under the horizontal flange of the angle plate and bearing against said notched flange, and means for holding the axle box in relation to said angle plate horizontal flange, substantially as described.

1,533,763. ANTIFRICTION DEVICE FOR ECCENTRIC CONNECTIONS. JOSEPH F. SCHIMPF, Holden, Mass., assignor to Cushiko Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 30, 1922. Serial No. 609,961. 1 Claim. (Cl. 74—1.)



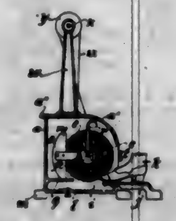
In an anti-friction eccentric device, a plate with a hub eccentrically located thereon, a shaft passing through said hub and keyed thereto, a cylindrical member with a circular flange extending outwardly from one of its bases and a hole eccentrically located therein for the passage of said shaft, said cylindrical member adapted to be secured to said plate, a one-piece collar adapted to cooperate with said flanged cylindrical member to form an outer channel substantially rectangular in cross section, a pair of anti-friction races, anti-friction bodies, and means for locking said cylindrical body and said races together in operative position to enclose said anti-friction bodies.

1,533,764. BUMPER FOR VEHICLES. MOSES SCHLATTER and LEWIS C. FREEMAN, Los Angeles, Calif. Filed Aug. 11, 1924. Serial No. 731,841. 10 Claims. (Cl. 293—55.)



1. The bumper set forth having a pair of angle irons adapted to be secured to a vehicle, said angle irons provided with jaws adapted to support a buffer, and having registering holes to receive means to force the jaws toward each other.

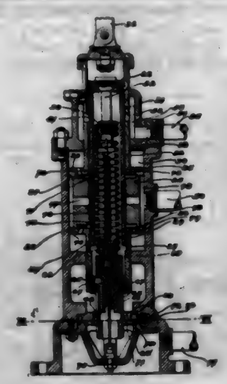
1,533,765. APPARATUS FOR CLEANING BOOTS AND SHOES. PAUL SCHMALBUSS, Seiferitz, near Meerane, Germany. Filed June 9, 1924. Serial No. 718,989. 2 Claims. (Cl. 15—34.)



1. Apparatus for cleaning boots and shoes, comprising in combination, a casing with open front side, a rotary shaft mounted in the side walls of said casing, a plurality of fixed brush rollers on said shaft within said casing, and a polish receiver located within said casing and behind one of said brush rollers in contact with the same and adapted to be adjusted with reference to said roller, substantially as set forth.

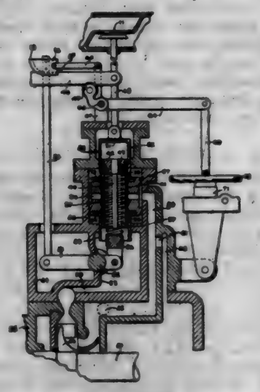
1,533,766. GOVERNOR. HENRY F. SCHMIDT, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 29, 1922. Serial No. 604,033. 24 Claims. (Cl. 264—14.)

8. In a pressure-actuated governor, an operating piston, a piston valve for admitting fluid under pressure to the operating piston upon relative movement of the valve with respect to the piston and the admission of fluid under pressure being cut off by a relative movement of the operating piston with respect to the valve, biasing means arranged between the piston valve and the operating piston and exerting a substantially constant force on the fluid except when the piston valve moves relatively to the operating piston, and biasing means arranged between the piston valve and a stationary element which assists the first biasing means in opposing the fluid pressure and which serves substantially to absorb the change in pressure taking place in the first biasing means when



the piston valve moves relatively to the operating piston so that the force of said first biasing means is maintained substantially constant when the piston valve and the operating piston are in a neutral or cut-off position.

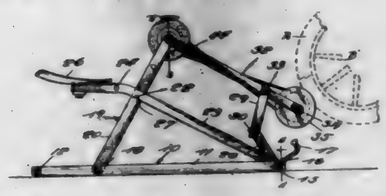
1,533,767. GOVERNOR. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1924. Serial No. 737,396. 28 Claims. (Cl. 264—14.)



28. In a variable fluid pressure governing apparatus for a prime mover having an admission valve, the combination of a pilot valve actuated by the variable fluid pressure, an operating piston controlled by the pilot valve and following its movements, said piston being actuated by the variable fluid pressure and controlling the opening and closing of the admission valve, a spring attached at one end to the pilot valve and at the opposite end to a movable abutment, means for actuating the movable abutment in the same direction, but at a lesser rate of movement than the operating piston comprising two substantially parallel levers each fulcrumed at an intermediate point and having lever arms of unequal length, means connecting one of said levers at one end to the operating piston, means connecting the other of said levers at one end to the movable abutment, a link for transmitting the movements of the first-mentioned lever to the second-mentioned lever, and a cam member carried by said link through which the motion of the first-mentioned lever

is transmitted to the other, said cam member permitting a constant radius of movement of the lever arm through a limited distance when the admission valve is being opened and thereafter increasing the radius of movement of said lever arm whereby motion transmitted to the movable abutment relative to the movement of the operating piston is increased.

1,533,768. AUTO POWER FOLDING TOOL GRINDER. HERMAN R. SCHODROWSKY, Marion Township, Saginaw County, Mich. Filed Sept. 26, 1923. Serial No. 664,953. 7 Claims. (Cl. 51—166.)

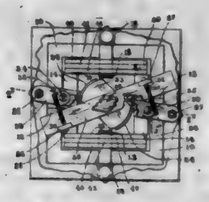


1. A device of the character described comprising a base, a standard mounted thereon, supporting arms pivoted upon the standard and carrying a roller adapted to be engaged against the tire of a jacked up motor vehicle wheel, a grinding wheel journaled on the standard, and an operative connection between said roller and said grinding wheel for imparting movement to the latter when said vehicle wheel is rotated.

1,533,769. PROCESS FOR DYEING TEXTILE AND LIKE MATERIAL. MARIA SCHOLZ, Leichlingen, Germany. Filed Jan. 17, 1925. Serial No. 3,048. 4 Claims. (Cl. 8—5.)

2. The described step in the art of dyeing, which consists in relatively quickly passing the dyed material through a hot hydrocarbon bath.

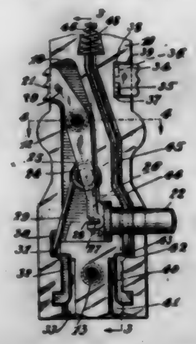
1,533,770. AUTOMATIC CIRCUIT MAKER AND BREAKER. HAROLD N. SHAW, Milwaukee, Wis. Filed May 8, 1922. Serial No. 559,321. 8 Claims. (Cl. 219—20.)



1. An automatic circuit controlling device comprising a plurality of contact members; and means responsive to variations in the resistance of an electric circuit, for controlling said contact members.

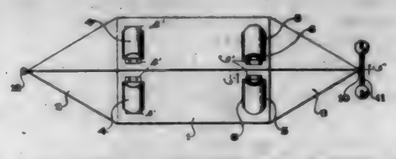
1,533,771. SOCKET PLUG. HAROLD E. SLADE, Newark, N. J., assignor to Beaver Machine & Tool Company, Inc., Newark, N. J. a Corporation of New Jersey. Filed Oct. 12, 1923. Serial No. 668,084. 7 Claims. (Cl. 173—300.)

1. A socket plug comprising a casing, a lever pivotally mounted in the casing and having a contact member at one end thereof adapted to project an appreciable distance beyond the casing, a button movable in the casing and adapted to engage the opposite end of the lever to swing the same in one direction to move the contact member to a position in which it lies within the casing, plug terminals mounted in the casing, and means coacting with the said lever to move the same in the opposite



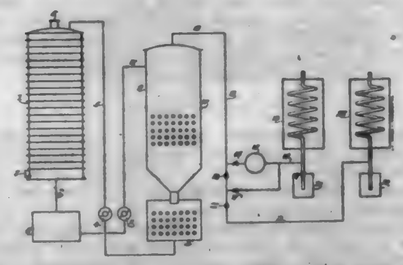
direction to normally maintain the contact member in a position in which a part thereof projects beyond the side of the casing and to complete the circuit between the said contact member and a plug terminal.

1,533,772. PROPELLING TOY. HAROLD D. SLOAN, Colony, Wyo. Filed Aug. 2, 1922. Serial No. 579,185. 3 Claims. (Cl. 46—48.)



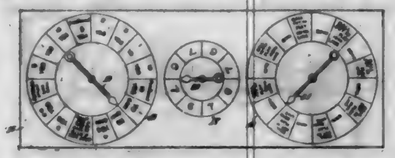
1. A toy having a triangular body provided with pointed ends, rollers journaled on all sides of the body, and intermeshing means between the rollers.

1,533,773. GAS-PURIFICATION PROCESS. FREDERICK W. SPERR, Jr., and RALPH E. HALL, Pittsburgh, Pa., assignors to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1921, Serial No. 520,805. Renewed June 5, 1924. 12 Claims. (Cl. 23—10.)



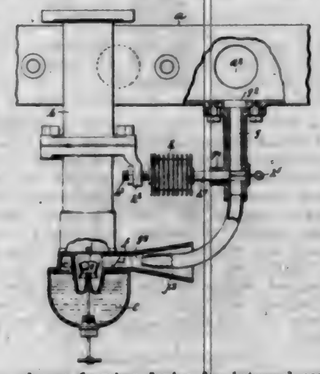
4. The process of removing hydrogen sulphide and carbon dioxide from gases, which consists in: passing a gas containing such constituents into contact with a sodium carbonate solution to absorb the hydrogen sulphide and carbon dioxide from the gas; and then subjecting the solution containing the absorbed impurities to heating under vacuum to expel the bulk of hydrogen sulphide from the solution; substantially as specified.

1,533,774. GAME. WALTER C. SPINDLER, Stevens Point, Wis. Filed May 21, 1924. Serial No. 714,865. 1 Claim. (Cl. 273—94.)



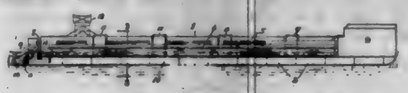
A game device including a board having a football field marked thereon, sockets at the opposite ends of each transverse line of the field, a socket at the intermediate portion of each line, game pieces for disposition in said sockets, and spinners for ascertaining the positions and movements of the pieces of the sockets of the terminal sockets, and spinners for ascertaining respectively the position of the piece of the intermediate sockets and the scores of the plays.

1,533,775. CHARGE-FORMING DEVICE FOR INTERNAL-COMBUSTION ENGINES. HORACE T. THOMAS, Lansing, Mich. Filed June 22, 1920. Serial No. 390,762. 7 Claims. (Cl. 123—119.)



1. In a charge forming device for internal combustion engines, the combination with an intake passage of means for supplying hot exhaust gases to said passage and mingling them with the air therein, said exhaust gases being projected in a jet through an injector tube whereby atmospheric air is drawn and forced into said intake passage and a thermostatic means for regulating said jet of exhaust gases the supply of said gases being interrupted after the engine is started.

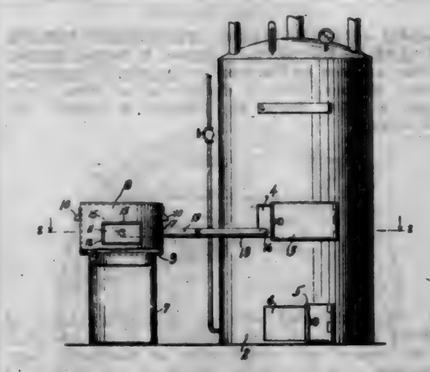
1,533,776. TRANSPORT. CARL TIBURTIUS, Kiel, Germany. Filed June 7, 1922. Serial No. 566,488. 5 Claims. (Cl. 114—0.5.)



1. A transport having a central chamber, a canal boat or barge in said chamber, water in said chamber to carry a portion of the weight of the enclosed boat, and means adapted to engage the sides of the boat to restrain the water within the chamber from rushing forward and back.

1,533,777. DUST COLLECTOR. HOBART A. WALKER, Jr., Maplewood, N. J. Filed Apr. 30, 1924. Serial No. 710,095. 2 Claims. (Cl. 126—242.)

1. A dust collector adapted for use with an ash receptacle, comprising a removable hood therefor provided with an ash-receiving door, an outlet opening in said hood, and a dust-conducting pipe leading from said opening to the interior of the furnace, said hood having a relatively large upper portion extending above



said door and opening providing a chamber adapted to cause the dust to circulate and collect in said upper portion and to fall in part into the receptacle, the residue being drawn into the dust-conducting pipe and out through the furnace flue.

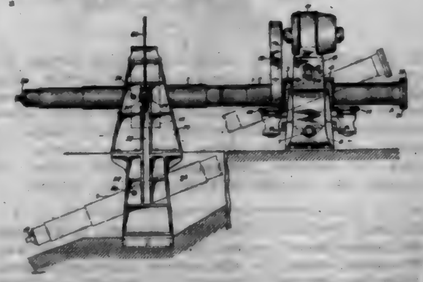
1,533,778. METHOD AND MEANS FOR PURIFYING WATER. WILLIAM H. WALKER, Bridgton, Me., assignor, by mesne assignments, to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 27, 1920. Serial No. 413,107. 7 Claims. (Cl. 210—23.)

1. The method of purifying water which consists in the addition thereto of calcined magnesite to cause a coagulation and precipitation of the colloidal particles therein and simultaneously to form a filtering medium adapted to remove said colloidal particles from the water.

1,533,779. METHOD OF BLEACHING BARYTES. WILLIS F. WASHBURN, St. Louis, Mo., assignor to National Pigments & Chemical Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 28, 1924. Serial No. 709,692. 7 Claims. (Cl. 252—8.)

1. A method of bleaching barytes consisting in treating the barytes with a mineral acid in the presence of a gaseous reducing agent.

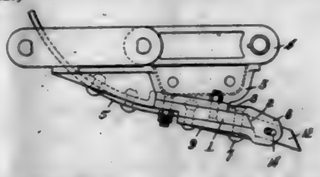
1,533,780. CASTING PROCESS AND APPARATUS. ROBERT F. WOOD, Sandusky, Ohio, assignor to The Paper & Textile Machinery Company, Sandusky, Ohio, a Corporation of Ohio. Filed Aug. 7, 1919. Serial No. 315,892. 17 Claims. (Cl. 22—65.)



1. In apparatus for casting metal tubes and the like having paraboloidal hollow bores, a mold the interior of which has the desired form of the exterior of the

casting, means for rotating said mold at the requisite speed and means for giving to the axis of said mold the requisite inclination to produce within the casting a cavity of the desired paraboloidal form.

1,533,781. ROOTER-TOOTH ATTACHMENT FOR EXCAVATING BUCKETS. CHARLES F. YOCUM, Findlay, Ohio, assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio, a Corporation of Ohio. Filed July 9, 1924. Serial No. 725,008. 6 Claims. (Cl. 37—142.)

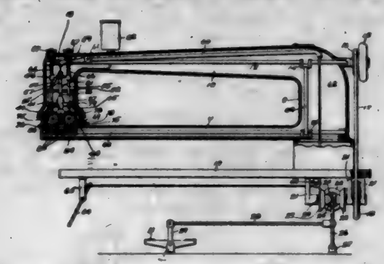


1. The combination with an excavating bucket, of socketed rooter teeth holders attached to the nose plate of the bucket, and rooter teeth of rhomboidal form removably and reversibly mounted in the sockets of said holders and in inner end-thrust engagement with the nose plate edge.

1,533,782. VALVE FOR INTERNAL-COMBUSTION ENGINES. PERCY A. E. ARMSTRONG, Loudonville, N. Y., assignor to Ludlum Steel Company, Watervliet, N. Y., a Corporation of New Jersey. Original application filed Dec. 12, 1919, Serial No. 344,294. Divided and this application filed Feb. 12, 1923. Serial No. 618,693. 18 Claims. (Cl. 123—188.)

1. Valves for internal combustion engines made from alloy steel containing silicon over about .5% and under about 7%, chromium over about 3% and under about 10%, silicon and chromium taken together over about 5% and under about 13%, carbon over about .05% and under one-tenth the chromium and silicon taken together, and the principal part of the remainder iron.

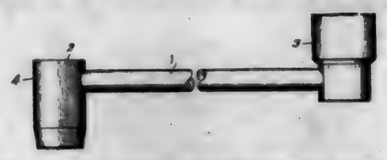
1,533,783. UNDERPRESSER. BENJAMIN BABSKIN and ABRAHAM WAISMAN, St. Louis, Mo. Filed Nov. 17, 1920. Serial No. 424,677. 6 Claims. (Cl. 68—9.)



1. An under presser comprising a head having two horizontal portions, the lower horizontal portion being free and unobstructed so that a completely sewed garment may be inserted thereover, power-driven rollers mounted in each of said horizontal portions, means for heating some of said rollers, means for placing said rollers in operation simultaneously, and means for reversing the direction of rotation of the rollers.

1,533,784. SOCKET WRENCH. WARREN S. BELLOWS, Worcester, Mass., assignor to Walden-Worcester, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Dec. 31, 1919. Serial No. 348,691. 1 Claim. (Cl. 81—121.)

In a socket wrench, the combination of a socket member having therein a nut engaging socket and a handle receiving hole, said handle receiving hole being located within the solid base portion of the socket member with the axis of said hole crossing the axis of the



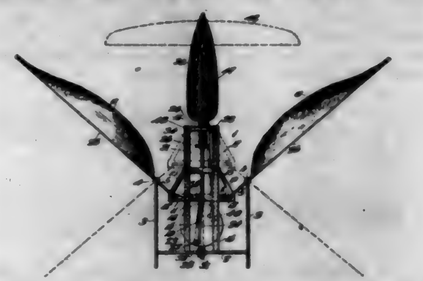
nut engaging socket, and a handle inserted in said hole and held therein by an axially located portion of the socket member driven into engagement with said handle from within the nut engaging socket.

1,533,785. WRENCH CONSTRUCTION. WARREN S. BELLOWS, East Orange, N. J., assignor to Walden-Worcester, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 13, 1924. Serial No. 749,619. 2 Claims. (Cl. 81—179.)



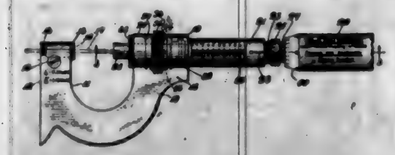
2. In a tool of the type described, a turning member and a turned member, means at one end of the turned member to cooperate with a part to be turned, and means at the other end of the turned member for securing the turned member and the turning member together comprising a hole in the turned member into which the turning member is inserted, and means to prevent longitudinal and rotational movement of one of said members relative to the other, comprising an integral axially located portion of the turned member driven into engagement with the turning member from the end opposite the means to cooperate with the part to be turned.

1,533,786. WING CONTROL FOR FLYING MACHINES AND SAFETY DEVICE THEREFOR. DANIEL W. BONNELL, Philadelphia, Pa. Filed Jan. 24, 1923. Serial No. 614,511. 6 Claims. (Cl. 244—17.)



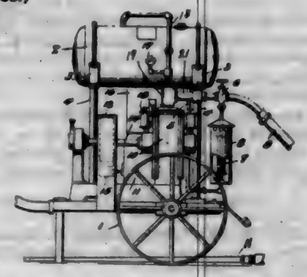
1. In a flying machine, a framework, composed of a floor and outer wing supports, wings having arms pivotally mounted in the upper portion of said supports, inner uprights mounted on said floor and provided with vertically extending ways, a cross head having a plurality of vertical T-shaped guides thereon engaging similarly shaped vertical slots in said ways, horizontal slots in the lower outer portions of said cross head, connections common to the inner ends of said arms and said slots and means for actuating said cross head up and down to oscillate said wings.

1,533,787. MULTIPLE-STANDARD MICROMETER. LOUIS C. CRESCIO, New York, N. Y., assignor of one-half to Louis Malatesta, New York, N. Y. Filed Sept. 14, 1921. Serial No. 500,676. 1 Claim. (Cl. 33—166.)



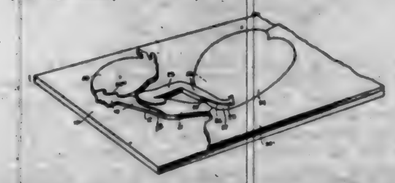
In a micrometer, for taking simultaneously readings in various standards, said micrometer composed of a spindle provided with a thread of a pitch equal to one half millimeter, a sleeve having a corresponding thread engaging the spindle, a double graduated longitudinal scale provided upon said sleeve and having a common indicator line, one graduation being in millimeters, the other in substantially one fiftieth parts of an inch, a thimble associated with said spindle and telescoping with said sleeve, and having a circumferential graduation of twenty lines, adapted to co-operate with said scale and said indicator line in taking millimeter and inch readings at one setting of said thimble.

1,533,788. HEATER. JOHN H. DEPPELER, Weehawken, N. J., assignor to Metal and Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Jan. 9, 1923. Serial No. 611,681. 6 Claims. (Cl. 219—38.)



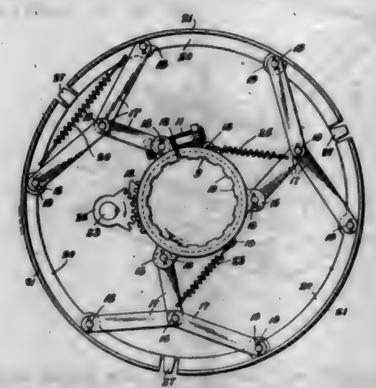
1. In a heater of the class described, the combination of a fuel tank and a burner nozzle, with means to supply a combustible mixture to said nozzle comprising an air blower connected with the tank above the fuel in said tank, a pipe connecting the discharge of said blower to said nozzle, a fuel pipe having a depending loop connecting said tank and air pipe including an adjustable atomizing valve and a heater for vaporizing the fuel in its passage towards said valve.

1,533,789. SIGN FOR ADVERTISING AND OTHER DISPLAY. VYVIAN E. DONNER, New York, N. Y. Filed Aug. 1, 1924. Serial No. 729,434. 12 Claims. (Cl. 40—136.)



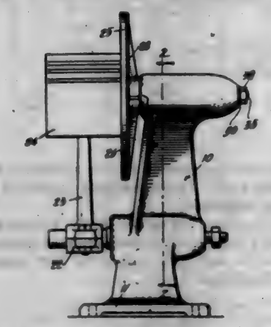
1. A pictorial representation for advertising and other display purposes, comprising a plurality of separate members representing separate parts compositely forming the pictorial representative, certain of said members being superimposed upon one another, and certain others of said members having different thicknesses relative to one another to attain the desired relief and intaglio effects.

1,533,790. INTERNAL BRAKE. RAYMOND DYMOCK, Hamburg, N. J. Filed Feb. 20, 1922. Serial No. 537,952. 4 Claims. (Cl. 188—78.)



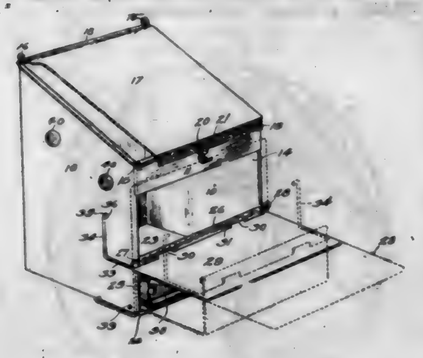
1. In a brake mechanism for vehicles, the combination with a wheel and a brake drum secured to the wheel, of a toothed member mounted to turn in the drum, a brake shaft, a toothed segment mounted on the brake shaft and meshing with the toothed member, a sectional brake band having its ends spaced apart, a spring connecting two of the brake band sections, fixed studs in the space between the brake band sections, a plurality of sets of arms, each set consisting of three arms, two of which are pivoted together and each to a brake band section and the third arm pivoted to the first two arms and to the toothed member, and springs secured to the third arm of two of the sets and to the toothed member.

1,533,791. PISTON-LINING DEVICE. HIO P. ELLAMS, Los Angeles, Calif., assignor to Ralph M. Burdick, Los Angeles, Calif. Filed July 24, 1920. Serial No. 398,770. 4 Claims. (Cl. 33—180.)



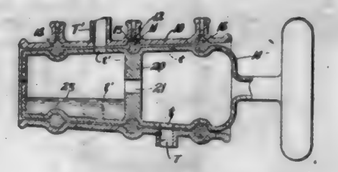
1. In a device of the character described, a frame formed with a bore, a face plate, a trunnion on the face plate to be carried in the bore, two cooperating screw members arranged in the bore, one in connection with the frame, the other in connection with the trunnion so that relative rotary movement between the frame and the trunnion causes longitudinal movement of the trunnion in the bore.

1,533,792. SANITARY LAYING, SETTING, AND HATCHING NEST AND BROODING COOP. THEODORE EWOLDT, Holstein, and JOHN A. HANSEN, Kingsley, Iowa. Filed May 22, 1924. Serial No. 715,119. 6 Claims. (Cl. 119—45.)



3. A hen's nest comprising a body portion having sides, back and partly open front, a removable bottom having a front piece adapted to partly close the front, a sleeve on the upper edge of the front piece, the sides being provided with openings registering with said sleeve, and a locking pin received through said sleeve and openings, a platform hinged to said front piece, and resilient arms secured thereto and embracing the sides, said arms being provided with means to engage the sides in various positions, the platform being positioned to swing from horizontal position to vertical position for closing the opening in the front.

1,533,798. STOPCOCK. GIOACCHINO FAILLA, New York, N. Y. Filed Dec. 13, 1919. Serial No. 344,522. 11 Claims. (Cl. 251—93.)

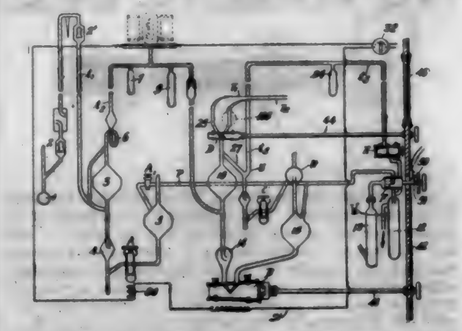


7. In a valve the combination with a frame of a glass stopper therefor and a silver-graphite lubricant between said frame and stopper.
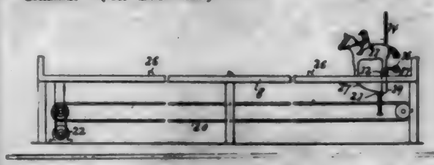
9. In a valve the combination with a frame having a relatively high temperature coefficient of expansion of a stopper of glass having a relatively low temperature coefficient of expansion.

1,533,794. PROCESS AND APPARATUS FOR COLLECTING RADIUM EMANATION. GIOACCHINO FAILLA, New York, N. Y. Filed Sept. 20, 1920. Serial No. 411,582. 7 Claims. (Cl. 167—9.)

1. In apparatus for collecting radium emanation, the combination with means for subjecting radium or one of its salts to a high vacuum, means for collecting the emanation evolved in this vacuum comprising a vacuum pump and a variable mercury level pump cooperating therewith, and means for compressing said emanation comprising a plurality of containers and means for compressing said emanation alternatively in either one of said containers while the other containers are closed off from the emanation supply.

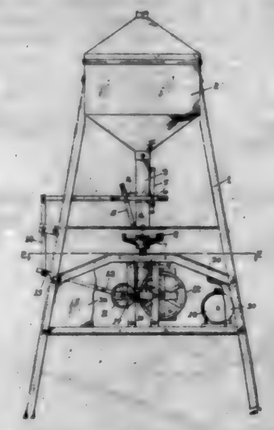


1,533,795. RACE GAME. ANDREW B. FOANS, New York, N. Y. Filed July 10, 1923. Serial No. 650,574. 9 Claims. (Cl. 273—86.)



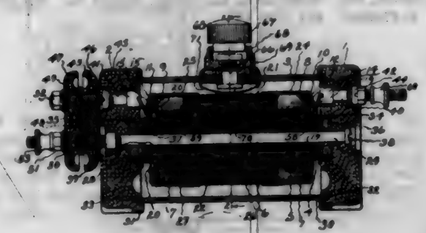
1. In a game the combination with a platform, of a carriage arranged thereon, a target carried by the carriage, and means carried by the carriage operated by the position of the target for propelling the carriage.

1,533,796. STOCK FEEDER. EDWARD H. GENUIT, Napoleon, Ohio. Filed Sept. 5, 1924. Serial No. 736,006. 10 Claims. (Cl. 161—10.)



1. In a stock feeder, a source of current, an electric motor, a feed escapement operated by the motor, a distributing member actuated by the motor, a clock for completing the circuit of the motor and a controlling means for discontinuing the operation of the motor.

1,533,797. INDUCTION COIL. VICTOR GEMPP, New York, N. Y., and LESLIE FORREST CURTIS, Springfield, Mass., assignors to American Bosch Magneto Corporation, Springfield, Mass., a Corporation of New York. Filed June 4, 1921. Serial No. 474,995. 4 Claims. (Cl. 175—360.)

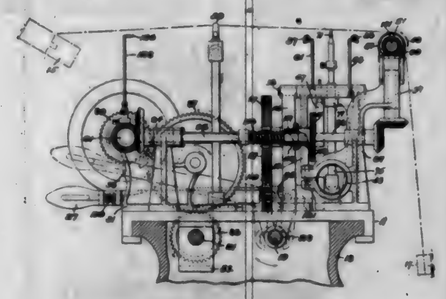


1. An induction coil having a core with primary and secondary windings mounted thereon, an encasing structure including a tube and a high tension binding post, a magnetic shell around said windings and electrically connected to the terminal of said secondary winding and said binding post.

1,533,798. SECONDARY CHARGE FOR COMPOUND DETONATORS. BENNETT GROTTA, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Mar. 1, 1923. Serial No. 622,208. 2 Claims. (Cl. 52—3.)

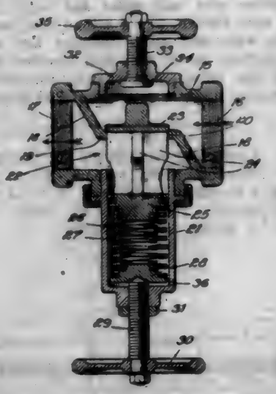
1. A compound detonator consisting of a main charge and a priming charge and wherein the main charge consists of a mixture of equal parts of tetranitroaniline and potassium chlorate and wherein the priming charge consists of a mixture of fulminate of mercury and a heavy metal azide.

1,533,799. WARP-LEASING MACHINE. EDGAR F. HATHAWAY, Wellesley, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois (1922). Filed Jan. 18, 1919. Serial No. 270,892. Renewed July 21, 1923. 19 Claims. (Cl. 28—40.)



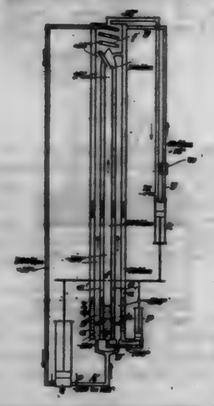
1. A leasing machine having, in combination, two spaced supports between which a sheet of warp threads extends, operating mechanism, and means for causing relative travelling movement between said warp supports and said mechanism, said mechanism comprising a thread-selector and spacer mounted on one of said supports, two leasing members located between said selector and the other support, a hook to engage a thread which has been spaced by said selector and spacer and draw said thread out of the plane of the warp, said hook operating between the leasing members, two hooked arms mounted to move past the ends of the leasing members respectively and longitudinally thereof, and means to oscillate said arms in opposite phase to take threads from said hook and place them in engagement with the leasing members.

1,533,800. APPARATUS FOR CONTROLLING STEAM PRESSURE IN BOILERS. FRANK HENNEBOHLE, Chicago, Ill. Filed Feb. 11, 1921. Serial No. 444,253. 6 Claims. (Cl. 251—145.)



6. In a fluid pressure supply line, a valve having a valve seat therein between the inlet and the outlet of the valve, a valve constantly balanced on its outlet side and movable to close said seat by pressure of the fluid supply at the inlet, mechanical means tending to open the valve member with a force inversely proportional to the extent of opening of said valve member, whereby said valve member becomes balanced by said means acting against the fluid pressure at the valve inlet, whereby to regulate the passage of fluid thru said valve inversely as the fluid pressure varies.

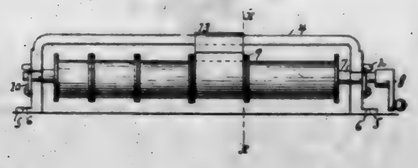
1,533,801. APPARATUS FOR PRODUCING LOW TEMPERATURES. PAUL HEILANDT, Sudende, near Berlin, Germany. Filed Jan. 3, 1921. Serial No. 434,852. 1 Claim. (Cl. 62—122.)



A refrigerating apparatus comprising, in combination, a pair of concentrically disposed annular members forming an inner chamber and an outer chamber in communication with each other near their lower ends, said cham-

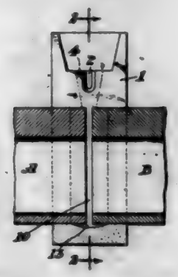
bers being spaced apart to provide an intermediate chamber therebetween and said inner chamber enclosing a space forming a cylindrical central chamber, an expansion machine disposed below said chambers, a tubular coil in communication with said central chamber at the upper end thereof and with said expansion machine, a pipe communicating with said expansion machine and with said intermediate chamber at the lower end thereof, a compressor in communication with the atmosphere and adapted to compress air to a pressure of 40 atmospheres, a water cooler, a pipe in communication with said compressor and passing through said water cooler, said pipe communicating with said outer and inner chambers at the upper ends thereof, and a second compressor in communication with said outer chamber and said central chamber at their lower ends and adapted to receive a fluid from the outer chamber and transfer it to the central chamber under a pressure of 200 atmospheres.

1,533,802. ADHESIVE PLASTER OR TAPE ROLLER. EDWARD JOHNSON, North Pelham, N. Y., assignor to Meinecke & Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 24, 1923. Serial No. 676,741. 1 Claim. (Cl. 242—60.)



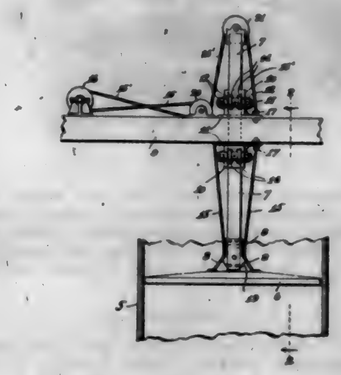
An adhesive plaster or tape roller comprising a frame having a convexed top bar with a pair of legs each provided with a slot, a shaft having a crank mounted thereon journaled in the slots to key a series of tape carrying bobbins for removal from one end of the shaft the tape being made to unwind over the bar, and a detent swingingly connected to the frame adjacent each slot coacting with the shaft to prevent accidental withdrawal thereof.

1,533,803. MOLD FOR WELDING RAILS AND THE LIKE. FRANK N. KEITHLEY, Burlingame, Calif., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Jan. 17, 1923. Serial No. 613,194. 2 Claims. (Cl. 22—204.)



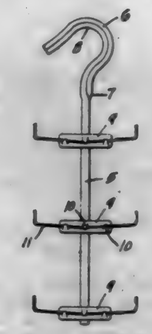
1. Means for welding rails and the like by means of superheated fluid metal, comprising a mold of refractory material having a joint defining cavity surrounding the rail ends, a basin in the top of the mold, and spaced pouring gates connecting the bottom of the basin with the top of said cavity to direct the enterng metal to both sides of the rails simultaneously.

1,533,804. COTTON STAMPER. JOHN O. MCCOY, Atlanta, Ga. Filed Dec. 15, 1923. Serial No. 680,857. 2 Claims. (Cl. 100—12.)



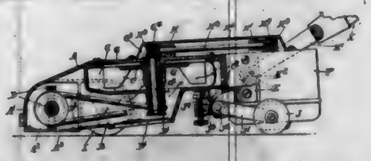
1. A cotton tramper, comprising a presser block, a stem for said block, a guide casting having rollers to engage said stem on all sides for positively guiding said stem in its reciprocating movements, a pulley mounted at each end of said stem, and oppositely movable cables engaging over said pulleys with a rolling contact for positively thrusting said stem in both directions.

1,533,805. ELECTROPLATING RACK. EDD C. OLIVER, Adrian, Mich., assignor to Parker Rust Proof Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 6, 1924. Serial No. 748,253. 5 Claims. (Cl. 204—5.)



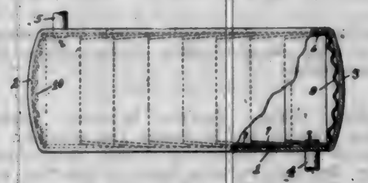
1. A rack for use in electro-plating consisting of a vertically disposed member having laterally extending cross-pieces thereon, and hangers removably secured to said cross-pieces.

1,533,806. VACUUM CLEANER. LESLIE M. PARKER, Evanston, Ill., assignor to The Hoover Company, a Corporation of Ohio. Filed Nov. 11, 1922. Serial No. 600,195. 6 Claims. (Cl. 230—11.)



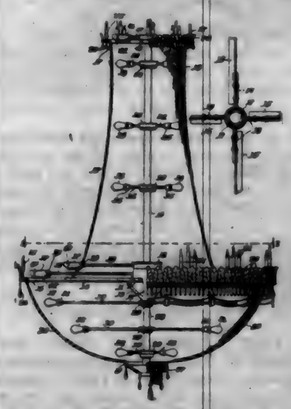
3. In a suction cleaner, a suction producing fan mounted to rotate about a substantially vertical axis, a casing for said fan, and an electric motor adapted to drive said fan, a separate casing for said motor, said fan and motor casings lying in the same general horizontal plane.

1,533,807. BOILER CONSTRUCTION. CHARLES V. PATERNO, New York, N. Y., assignors, by mesne assignments, to Elliott Company, Pittsburgh,, Pa., a Corporation of Pennsylvania. Filed Sept. 18, 1920. Serial No. 411,182. 3 Claims. (Cl. 210—9.)



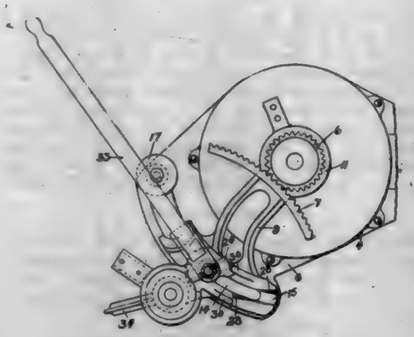
1. A device of the class described, adapted for use with a tank, comprising a removable lining therefor adapted to react with the water passing through said tank to remove the corrosive constituents from said water, said lining being made up of a series of tapering rings nested partially one within the other.

1,533,808. LIGHTING FIXTURE. JOHN E. O. PRIDMORE, Chicago, Ill., and EARL C. MCKINNIE, Oak Park, Ill., assignors to Curtis Lighting, Incorporated, Chicago, Ill., a Corporation of Illinois. Filed May 6, 1922. Serial No. 558,887. 14 Claims. (Cl. 240—78.)



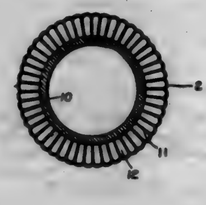
1. A lighting fixture of the class described, comprising a translucent body, means within the body for illuminating the latter by refracted light, means at the exterior of said body for illuminating the latter by reflected light, and a source of light associated with the body at a point remote from said internal and external illuminating means for maintaining by indirect illumination a light zone in proximity to the body.

1,533,809. TRACTOR-WHEEL SHIFT MECHANISM. SAMUEL W. RAYMOND, Adrian, Mich. Filed Mar. 23, 1923. Serial No. 627,058. 2 Claims. (Cl. 180—41.)



1. In a tractor, a tractor frame, a driving pinion, a member supported for pivotal movement about the axis of the driving pinion, a bull wheel connected to the member, a gear wheel for connecting the bull wheel with the driving pinion, the member having a slot, a pin extending through the slot and connected to the frame and a clamping cam located on the pin for clamping the member to the frame.

1,533,810. AIR-COOLED CYLINDER. CHESTER S. RICKER, Indianapolis, Ind. Filed Feb. 9, 1920. Serial No. 357,171. 2 Claims. (Cl. 257—261.)

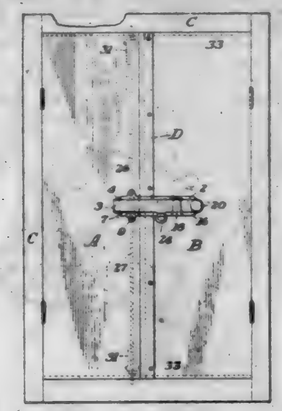


1. A cylinder for internal combustion engines having continuous longitudinal heat radiating fins, each fin having at its outer edge a flange extending to the next fin, such fins with their flanges forming a plurality of longitudinal air passages open at top and bottom for permitting air to be passed lengthwise of the cylinder past the fins within the casing formed by the fin-flanges.

1,533,811. DOOR FASTENER. WILLIAM A. SCHLEICHER, Cleveland, Ohio, assignor to The Eberhard Manufacturing Co., Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 27, 1923. Serial No. 677,207. 6 Claims. (Cl. 292—5.)

1. A door fastener, comprising a latch lever adapted to be secured to a door for pivotal movement with respect thereto about an axis located adjacent one end of the lever, keeper means for releasably securing the

free end of said lever to a support, a handle mounted on the free end of said lever, a plate spring carried by said lever, said lever being of channel shape in cross section with the channel facing inwardly towards the door and said spring being positioned in said channel and



having a bowed intermediate portion for engagement with said support when said lever is held by said keeper means, and common means engaging said handle and one end of said spring for securing said handle and spring to said lever, substantially as described.

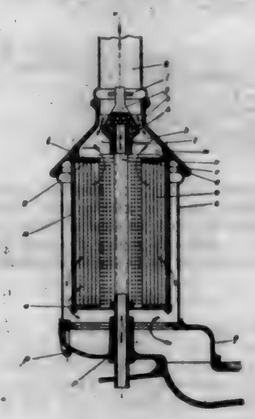
1,533,812. BOLT SNAP. WILLIAM A. SCHLEICHER, Cleveland, Ohio, assignor to The Eberhard Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 26, 1924. Serial No. 709,186. 2 Claims. (Cl. 59—85.)



1. A snap comprising a body having an eye forming member integral at one end with the body, the free end of said member having a raised portion on its extreme end extending above the surface of the body of the member in all positions of the same and providing a striking knob for closing the eye, substantially as described.

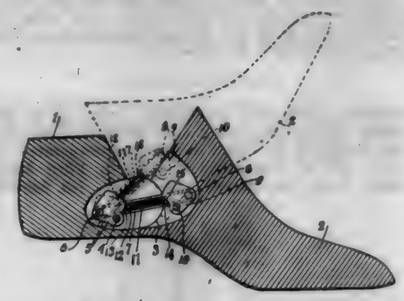
1,533,813. APPARATUS FOR SEPARATING AND BINDING DUST OR OTHER IMPURITIES IN COMBUSTION AIR OF COMBUSTON ENGINES. KARL SCHROEDER, Dusseldorf, Germany, assignor to the Firm Heinrich Lanz, Mannheim, Germany. Filed Mar. 30, 1921. Serial No. 456,966. 3 Claims. (Cl. 183—5.)

1. Apparatus of the character stated, comprising means for mixing oil vapors with atmospheric air, a separator consisting of a plurality of spaced, concentrically arranged, perforated, impact plates, and means for causing said mixture to progressively impinge against said plates to



cause binding of dust particles with oil particles, the latter being caused to adhere to the surfaces of said impact plates.

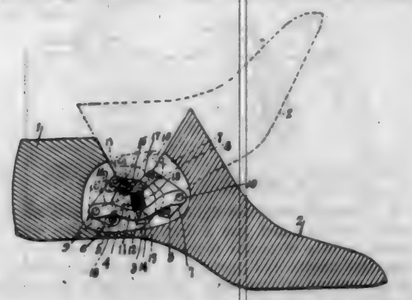
1,533,814. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,765. 1 Claim. (Cl. 12—136.)



In a last of the divided type, the combination of a heel part and a toe part, a plate in the heel part pivotally attached thereto, a plate in the toe part pivotally attached to the toe part, a tube pivotally connecting said plates to each other, said tube extending from the heel part into the toe part of the last, and a spring within said tube and cooperating with said plates to maintain the last parts in extended position and in collapsed position under tension.

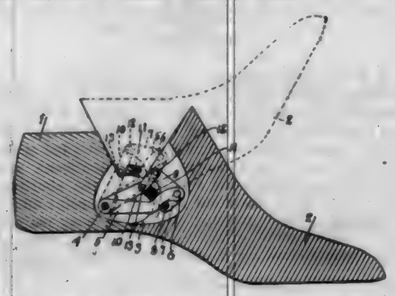
1,533,815. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,766. 1 Claim. (Cl. 12—136.)

In a last of the divided type, the combination of a heel part and a toe part, a lever pivotally attached to the heel part, a second lever pivotally attached to the toe part, a link extending from the heel part to the toe part and pivotally attached at its extremities to said levers, toggle mechanism carried by the free ends of



said levers, and a spring interposed between said toggle mechanism and said link to maintain the last parts in extended position and in collapsed position under tension.

1,533,816. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,767. 1 Claim. (Cl. 12—136.)



In a last of the divided type, the combination of a heel part and a toe part, a lever pivotally attached to said lever and extending into the heel part to which it is pivotally attached, toggle mechanism connecting the free end of said lever to the heel end of said link, and a spring interposed between said link and toggle mechanism to maintain the last parts in extended position and in collapsed position under tension.

1,533,817. CEILING FOR CONCRETE FLOORS. CHARLES A. SMITH, Columbus, Ohio. Filed May 17, 1922. Serial No. 561,578. 3 Claims. (Cl. 72—70.)



1. A ceiling for a concrete beam floor including, in combination, a sheet metal floor and beam molding core formed with seats at the inner sides of its beam molding margins and a sheet of plaster lath secured between the inner sides of said margins to said seats.

1,533,818. MANUFACTURE OF ALLOYS. ROBERT C. STANLEY, New Brighton, N. J., assignor to The International Nickel Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 2, 1923. Serial No. 629,487. 12 Claims. (Cl. 75—17.)

1. In the manufacture of nickel and copper alloys, the steps consisting of roasting a nickel-copper matte, and then subjecting the product to a melting temperature in a furnace in the presence of sulphur-removing slag material.

1,533,819. MANUFACTURE OF PUDDLED IRON. ROLLIN C. STREBS, Youngstown, Ohio. Filed July 10, 1924. Serial No. 725,170. 5 Claims. (Cl. 75—27.)

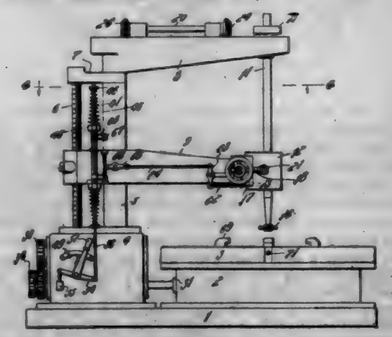
3. The process of manufacturing puddled or wrought iron, comprising removing the puddle ball from the puddling furnace prior to the completion of the reactions between the iron and slag and placing it in a separate heating furnace, and allowing said ball to remain in said separate furnace until the necessary reactions are completed, substantially as described.

1,533,820. CAMPER'S TENT. ROBERT R. WHITEHEAD, Chicago, Ill., assignor to Tentobed Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 2, 1924. Serial No. 741,141. 7 Claims. (Cl. 135—1.)



1. In a tent, a front having a door opening therein, a fly extending forwardly of the tent from a line above the top of the opening, a pair of doors adapted to jointly close the opening, means including fastening elements near the top of the doors for securing them in their said closure position, and means including fastening elements spaced downwardly from the tops of the doors for securing the doors to the fly in forwardly directed open positions.

1,533,821. GRINDING MACHINE. WILLIAM S. AMBERSON, Waynesboro, Pa. Filed Jan. 22, 1924. Serial No. 687,827. 5 Claims. (Cl. 51—50.)



4. An apparatus of the class described comprising a turn-table, jaws adjustably mounted thereon for gripping the work-piece, an upright, an arm slidably mounted

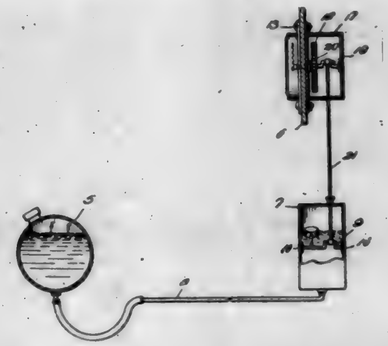
thereon, a head adjustably mounted on the arm, a tool shaft passing through the head, a tool connected with the lower end of the shaft, a member rotatably connected with the upper end of the upright, a gear thereon keyed to the tool shaft so that the shaft can slide through the same, a shaft passing through the upright, means for driving the gear from said shaft, such means being carried by the member, a screw shaft connected with the arm for moving the same upon the upright, and means for rotating the screw shaft, the shaft in the upright and the turn-table.

1,533,822. ORNAMENTAL CHAIN. LOUIS J. ANSHEN, Providence, R. I. Filed Oct. 25, 1924. Serial No. 745,820. 2 Claims. (Cl. 59—79.)



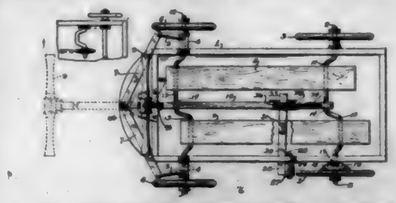
1. In a chain of the type set forth, a series of connected units, each unit comprising a wall, housings on the wall parallel with each other, transversely disposed posts supported in the housings near their ends, a connecting plate slidably engaging the wall, lugs upon one end of the plate within the housings, a loop on the plate between the housings loosely surrounding a post of an adjacent unit, and compression springs in the housings engaging the lugs.

1,533,823. GASOLINE GAUGE. HARRY BASHIAN, Chicago, Ill. Filed Jan. 24, 1924. Serial No. 688,234. 1 Claim. (Cl. 73—82.)



A device of the class described comprising a main gasoline tank, an auxiliary tank, a supply pipe leading from the former to the latter, a crank shaft mounted for rotation in said auxiliary tank, an arm carried by said crank shaft, a float connected to said arm, a casing mounted above said auxiliary tank, a second crank shaft, said second named shaft being mounted for operation in said casing, a dial associated with the casing, a pointer cooperative with the dial, a shaft upon which said pointer is mounted, a gear connected to the pointer operating shaft, a second gear connected to said second named crank shaft and in mesh with said first gear, and a rod connected at its opposite ends to said crank shafts said auxiliary tank and casing being provided with openings through which said rod extends.

1,533,824. FOOT-PROPELLED VEHICLE. WALTER ROGERS BENJAMIN, Granite City, Ill. Filed Apr. 28, 1923. Serial No. 634,033. 19 Claims. (Cl. 208—80.)



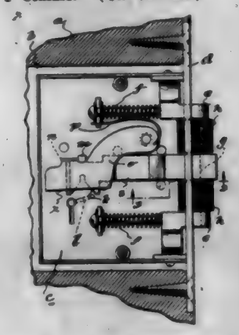
1. In a foot propelled child's vehicle, a pair of crank shafts, one of which has a driving connection with the vehicle, a pair of pedals journaled on the cranks of the respective shafts and operable to rotate the shafts, and means making it impossible for the shafts to rotate in opposite directions.

1,533,825. PLOW. WILLIAM JACKSON BURNETT, Thomasville, Ga. Filed Aug. 16, 1922. Serial No. 582,198. 1 Claim. (Cl. 97—198.)



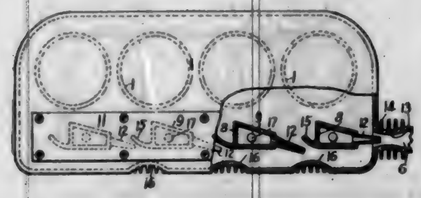
In a plow the combination with an elongated loop constituting a standard, of a backing plate, a longitudinally channeled slotted stem integral with the backing plate and straddling the standard, a point detachably secured to the backing plate and having its upper edge outstanding from the stem to constitute an abutment, a wing plate bearing against the slotted stem and abutting the edge of the point, the front faces of the point and plate being flush at their meeting edges, said wing plate being slotted, and means extending through the wing plate, stem and standard for holding them together adjustably.

1,533,826. DOORLOCK. SAMUEL D. BUTTERWORTH, Lansing, Mich. Filed May 28, 1923. Serial No. 641,831. 4 Claims. (Cl. 70—29.)



1. A door lock, having in combination, a casing, a roll striker slidably supported therein, means for yieldably forcing the same outwardly, a striker plate provided with a recess having inclined walls for the roll to ride upon, and a deadlocking bolt slidably supported within the casing intermediate the ends of the roll striker, the said bolt arranged to straddle the roll to also dog the same.

1,533,827. COOLING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. WALTER S. CARR, Dayton, Ohio. Filed Sept. 11, 1922. Serial No. 587,320. 12 Claims. (Cl. 123—175.)



12. A cooling device for an internal combustion engine comprising a water jacket having a compartment arranged above the heads of the cylinders of said engine and provided with a passageway leading to a radiator and a plurality of housings arranged within said compartments, one behind the other, and each spaced from one of the side walls of said compartment to form a passageway between it and said wall, each housing having that side wall which is adjacent to said passageway extended rearwardly at an angle to said passageway, and the side wall of said compartment having inwardly extending portions arranged opposite the extensions to the side walls of the respective housings, each of said housings forming a steam generating chamber and having a nozzle arranged to discharge a jet of steam into one of said passageways.

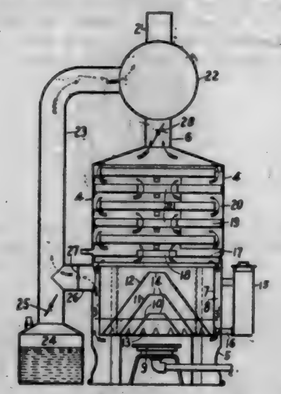
1,533,828. DOOR-LATCHING MECHANISM. ANDREW CHRISTIANSON, Butler, Pa. Filed Nov. 28, 1923. Serial No. 677,547. 3 Claims. (Cl. 105—308.)



1. In car door latching mechanism, the combination of a rotary shaft carried by the car frame, a downwardly swinging door, a flexible connection secured at one of its ends to said shaft, a swinging latch member carried by said door, a yieldable connection between the other end of said flexible connection and said latch member, and a protuberance carried by said latch member in position to rest upon said shaft when the door is closed.

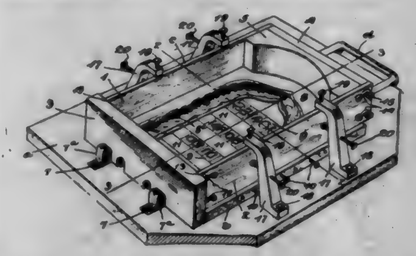
1,533,829. APPARATUS FOR GENERATING MEDICINAL FUMES AND APPLYING THE SAME TO THE BODY OF A PATIENT. JOHN F. CLASS, Dayton, Ohio. Filed Apr. 28, 1921. Serial No. 465,111. 7 Claims. (Cl. 167—3.)

3. In an apparatus of the character described, a generator comprising a casing having an air inlet near the bottom thereof and an outlet at the top thereof, a water receptacle arranged in the lower portion of said casing to provide an air passage between the same and the wall of said casing, a plurality of frusto-conical baffles of different sizes mounted in said water receptacle one above the other, the lower edge of each of said baffles resting upon the bottom of said receptacle and having notches therein and each of said baffles being open at its upper end, a heater for said water receptacle, a plurality of trays interposed between said water receptacle and said outlet, a conduit connected with said outlet, a valve to control said connection, and a device connected with said conduit for applying vapor to the human body.



7. In an apparatus of the character described, a generator comprising a casing having an air inlet near the bottom thereof and an outlet near the top thereof, a water receptacle arranged in the lower portion of said casing and having an air passage about the same, a plurality of frusto-conical baffles of different sizes mounted in said water receptacle one above the other, the lower edge of said baffles resting upon the bottom of said receptacle and having openings therein and each of said baffles having an opening in its upper end, and a heater for said water receptacle.

1,533,830. MEANS FOR MOLDING MONUMENTS AND THE LIKE FROM PLASTIC MATERIAL. JOSEPH E. COCHRAN, Chicago, Ill., assignor of one-half to Ellis T. Crawford, Charleston, W. Va. Filed Sept. 17, 1924. Serial No. 738,181. 9 Claims. (Cl. 25—123.)



1. Means for molding monuments and the like from plastic material comprising a base-plate, a bottom plate having patterns thereon and adapted to rest upon the base-plate, side and end pieces, the former adapted to rest upon the bottom plate, and a lever hinged to the base-plate and extending beneath the bottom plate for rocking the mold to an upright position.

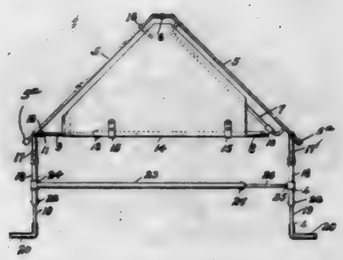
1,533,831. DOORCHECK. FREDERICK J. COLCHIN, Decatur, Ind. Filed Apr. 19, 1924. Serial No. 707,671. 1 Claim. (Cl. 292—289.)

In a door check, the combination with a body member, the same having a curved outer edge, supporting side plates carried by said body member and having the outer edges thereof curved and extending beyond the curved outer edge of the body member, the inner ends of said

plates being disposed outwardly to provide securing flanges, whereby the body member may be supported on a door, the inner face of the body member having an arcuate recess provided therein, a spring supported in said recess, a bracket having its inner end extending transversely through the center of the supporting plate adjacent the flanged ends thereof, the sides of said bracket extending adjacent the outer faces of said side plates and beyond the outer edges thereof, a roller supported on the outer end of said bracket and adapted to travel over the curved outer edge of the body member between the outer edges of said side plates, said roller adapted to engage with a floor when in an operative position, the inner end of the bracket having a crank portion formed therein for engagement with said spring, whereby the roller may be held in an operative or inoperative position.



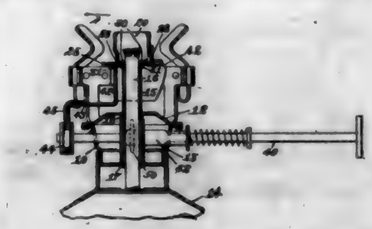
1,533,832. WINDOW SCAFFOLD. JOHN H. COOK, Salt Lake City, Utah. Filed Apr. 11, 1923. Serial No. 631,450. 9 Claims. (Cl. 304—26.)



1. A window scaffold comprising a guard rail composed of sections pivoted together on an upright axis, devices carried by the free portions of the guard rail sections for supporting engagement with the walls of an opening, means for holding the sections and devices spaced apart to maintain such supporting engagement, and a platform that is supported between and by the rail sections.

1,533,833. BURNER. EDWARD C. CORADO, Boston, Mass. Filed Nov. 10, 1923. Serial No. 673,037. 14 Claims. (Cl. 675—65.)

1. A burner having a wick tube and a dome co-operating therewith to form an enlargement thereof above the outlet end of said wick tube, said dome having a bottom and upright walls, the latter being provided with a main air inlet whose lower end is located above the said bottom to cause the wick to be projected out of the wick tube in order to co-operate with said main air inlet and thereby cause the sides of the wick above the wick tube to be exposed.

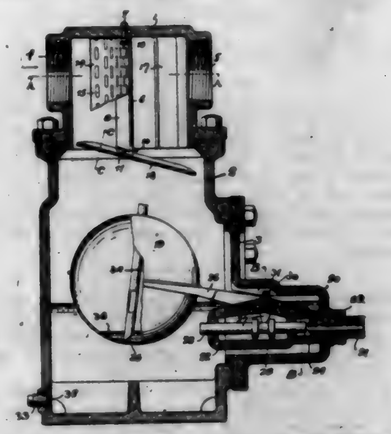


1,533,834. HENCOOP AND THE LIKE. WILLIAM CULLINANE, Bristol, England. Filed Nov. 10, 1924. Serial No. 748,966. 2 Claims. (Cl. 119—13.)



1. A coop comprising in combination a case member, a canopy member pivoted to said case member, means whereby the canopy member can be let down in front of the case to form a run, and a partition member hinged to move as a whole and adapted to divide the case member from the run.

1,533,835. SEPARATOR AND TRAP. CLARENCE A. DAWLEY, Plainfield, N. J. Filed Nov. 1, 1923. Serial No. 672,105. 9 Claims. (Cl. 183—42.)



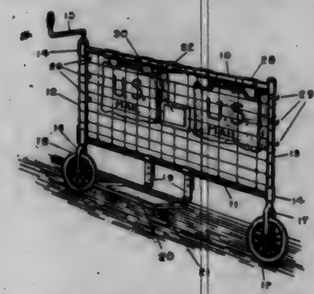
1. A combined separator and trap comprising a baffle chamber and a subjacent trap, baffles in the baffle chamber, and a drip plate to which the baffles discharge, said drip plate substantially corresponding in area to the baffle chamber and serving to confine the turbulent gas flow to the baffle chamber, said drip plate having a gradual downward inclination from the intake to the outlet end of the baffle chamber.

1,533,836. EGG CARRIER. FRED W. DOOR, Creston, Iowa. Filed June 4, 1924. Serial No. 717,798. 4 Claims. (Cl. 220—1.)



1. An egg carrier including a box-like container having an open carton receiving end, there being an aperture in the other end of the carrier for the reception of carton ejecting means, a carton retainer movably engaging the carrier adjacent the open end thereof, said retainer comprising a resilient member slidable within spaced apertures in the carrier, and means upon opposed portions of the retainer and cooperating with the walls of the apertures for holding the retainer in carton retaining position.

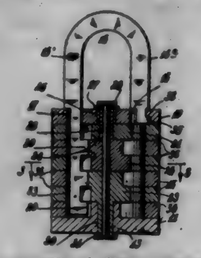
1,533,837. MAIL-DELIVERY VEHICLE. ELIZABETH J. DOUGLAS, Crete, Nebr. Filed Mar. 12, 1923. Serial No. 624,469. 3 Claims. (Cl. 280—55.)



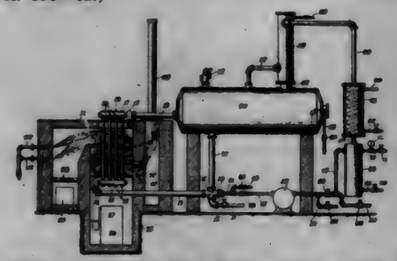
1. In a mail delivery vehicle, a rectangular frame consisting of a top rail, a bottom rail, and a pair of end rails, a pair of supporting wheels positioned beneath said bottom rail, one at each end of the rectangular frame, the wheel at the forward end of the frame being pivoted to a steering post which extends above the level of the top rail and terminates in a steering handle, a hand grip on said top rail at its middle point, each of said end rails having pivoted thereto at its upper extremity a supporting leg, said supporting legs having limited swinging movement outwardly to support the vehicle in inclined position when at rest but swinging into parallel relation with the end rails when the vehicle is in motion, a pair of L-shaped arms secured to said bottom rail and projecting on the side opposite the supporting legs, a platform secured to the horizontal portions of said L-shaped arms, and a pair of supporting wheels underneath the said platform.

1,533,838. PADLOCK. WILLIAM DUGUAY, Lowell, Mass. Filed Apr. 16, 1923. Serial No. 632,248. 2 Claims. (Cl. 70—113.)

1. A padlock, a shackle, a body comprising a pair of end plates, rotary rings located between said end plates, and disks enclosed within the body adapted to engage and lock the shackle, said disks being formed with elements projecting through the said end plates for purposes of rotation, a part on said shackle adapted to be released from the body by lateral movement of the shackle, said rings normally holding the shackle against lateral movement, and being each formed with a notch adapted to be brought into registry with the shackle to free the latter said notches being of a depth insufficient to permit of disengagement of the shackle from the said disks by the said lateral movement of the shackle.

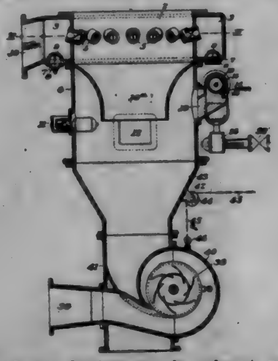


1,533,839. PROCESS AND APPARATUS FOR CRACKING HYDROCARBONS. RECTOR EGELAND, Chicago, Ill. Filed Oct. 17, 1921. Serial No. 508,286. 6 Claims. (Cl. 196—62.)



1. The process of cracking hydrocarbons consisting of circulating hydrocarbons, supplying a gas to said hydrocarbons during circulation, subjecting the hydrocarbons and gas to heat, passing the vaporized and unvaporized hydrocarbons resulting from the application of heat to said hydrocarbons and gas to a still and supplying additional gas and hydrocarbons through an ejector to the unvaporized hydrocarbons and again subjecting the unvaporized hydrocarbons, added gas and added hydrocarbons to heat.

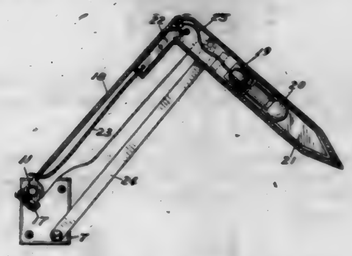
1,533,840. CONDENSER. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 28, 1918. Serial No. 259,946. 17 Claims. (Cl. 230—18.)



1. A condenser having an air exhaust passage, two separate air ejectors communicating with said passage, and a double seating valve arranged to close the com-

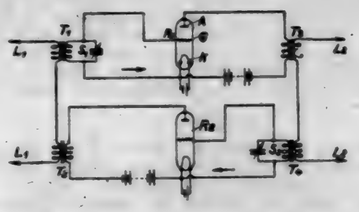
munication between the passage and either one of the air ejectors whereby either of said ejectors may be independently operated and the other completely cut off from said exhaust passage, said valve being constructed to also allow free communication between said passage and both of the ejectors, substantially as described.

1,533,841. DIRECTION INDICATOR. CARL J. ERSON, Minneapolis, Minn., assignor of one-half to Nils J. Veline, Minneapolis, Minn. Filed Feb. 8, 1924. Serial No. 691,527. 7 Claims. (Cl. 116—54.)



1. A direction indicator consisting of a plate, a channel-shaped casing pivotally secured to said plate, a signal arm pivotally mounted in said casing so as to be substantially concealed therein when in idle position, and a link bar connected at one end to said plate and at the other end to said signal arm.

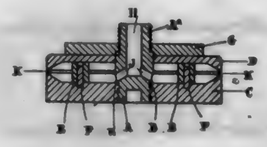
1,533,842. TELEPHONE AND TELEGRAPH SYSTEM WITH AMPLIFIERS. HEINRICH FASSBENDER, Charlottenburg, and ERICH HABANN, Berlin, Germany, assignors to Deutsche Telephonwerke G. m. b. H., Berlin, Germany. Filed May 3, 1921. Serial No. 466,525. 2 Claims. (Cl. 179—170.)



1. A high frequency communication line arrangement, comprising an incoming and an outgoing line, two branches in parallel connecting both said lines together, two amplifying thermionic tubes arranged one in each branch, the said tubes being so arranged that the grid of one tube and the anode of another tube are electrically joined to the same line, and tuning means whereby each of the said branches is tuned to another high frequency oscillation and so that communication can be effected in one direction only and this at the particular frequency to which the tube appertaining to this direction is tuned, said tuning also preventing howling.

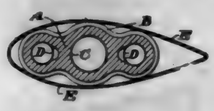
1,533,843. ADJUSTABLE CENTRIFUGAL MACHINE FOR EMULSIFYING. ETHEL MARY FERNS, London, England, assignor to The Ferns Emulsifiers Ltd., London, England, a British Company. Filed Aug. 8, 1924. Serial No. 730,952. 14 Claims. (Cl. 99—12.)

14. An emulsifying apparatus comprising in combination: a plurality of circular discs having their juxtaposed faces dished or scooped out to form sharp edged brims, interchangeable distance pieces arranged between said discs, means for clamping said discs together, and a rotatable central shaft common to said discs and



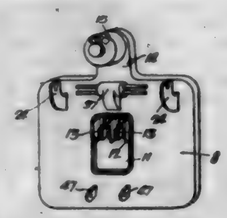
upon which said discs are fast, said shaft having a longitudinal bore and radial holes connecting said bore and the spaces between the juxtaposed faces of said discs.

1,533,844. SHOCK ABSORBER SUITABLE FOR USE ON AIRCRAFT. HENRY PHILLIP FOLLAND and HENRY EDWARD PRESTON, Cheltenham, England, assignors to themselves and The Gloucestershire Aircraft Company, Limited, Cheltenham, England. Filed Nov. 20, 1924. Serial No. 751,159. 3 Claims. (Cl. 267—63.)



1. A shock absorber for use on aircraft comprising a plurality of tubes, alternating rubber pads and metal plates threaded on said tubes and a stream line casing enclosing the assemblage of parts and plates.

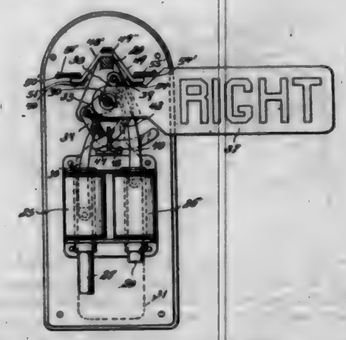
1,533,845. HEATER. JOHN S. FORBES, Overbrook, Pa. Filed May 3, 1923. Serial No. 636,402. 9 Claims. (Cl. 219—34.)



1. The combination in a heater of a supporting structure; a heat radiating plate hinged to and normally suspended from said structure and movable from a normal substantially vertical plane to a substantially horizontal plane; with means for maintaining said plate in the latter plane.

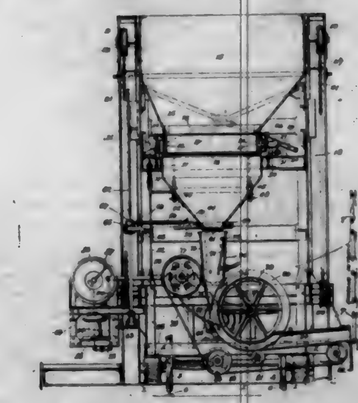
1,533,846. SIGNAL. PAUL JOSEPH FORSYTHE, Eldorado, Kans. Filed July 25, 1921. Serial No. 487,392. 4 Claims. (Cl. 177—339.)

1. A signal comprising a casing, a bracket mounted on one wall thereof, a rotatable shaft mounted between the bracket and the casing wall, a sleeve rotatably mounted on the shaft, semaphores carried by the shaft and sleeve respectively, links depending from the shaft and sleeve provided with notched edges, a keeper positioned beneath the shaft and provided with a central apertured web, a locking flange on either side thereof, the links depending from the shaft and sleeve operating



through the aperture of the web to slidingly engage their respective flanges, and means to move the semaphores into operative position.

1,533,847. CHARGING APPARATUS. HOWARD C. FREEDENBURG, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed May 31, 1923. Serial No. 642,556. 6 Claims. (Cl. 214—18.)



1. In an apparatus of the character specified, the combination of a supporting frame; an elevator structure carried thereby, said structure embodying a storage hopper, a weighing hopper, and a discharging mechanism; means under control of the operator for raising and lowering the elevator structure; and means likewise under control of the operator for controlling the discharge of material from the storage hopper to the weighing hopper and from the weighing hopper to the discharge mechanism.

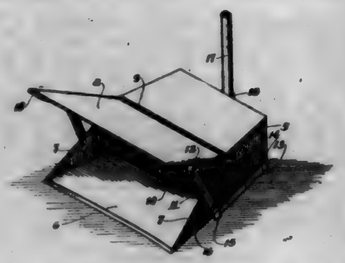
1,533,848. ROLLER SKATE. ADOLPH H. FEITS, Torrington, Conn., assignor to Union Hardware Company, Torrington, Conn., a Corporation of Connecticut. Filed Mar. 16, 1923. Serial No. 625,466. 5 Claims. (Cl. 208—179.)

1. In a roller skate, a frame plate, a truck carried thereby and comprising a yoke member having perforated ears, a roller carrier having perforated flanges to cooperate with said yoke, a pin adapted to extend through the perforations in the ears and flanges to secure said parts together, a plurality of longitudinally spaced shoulders on the pin, and means for pressing a portion



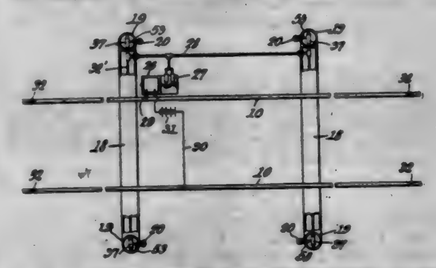
of the pin intermediate said shoulders against the edge of one of the perforations whereby the shoulders will prevent longitudinal movement of said pin in either direction.

1,533,849. DUSTPAN. HARRY GEHMAN, Philadelphia, Pa. Filed Mar. 20, 1924. Serial No. 700,594. 2 Claims. (Cl. 65—20.)



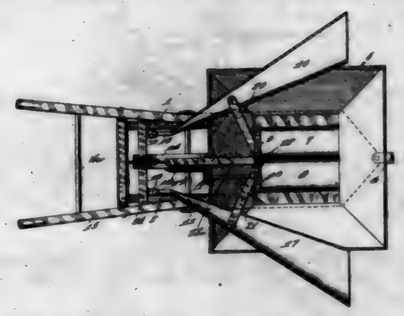
1. A dust pan comprising a receptacle having a flat imperforate bottom, and a mouth with a hinged lid, links pivotally connected to the opposite sides of the lid and depending therefrom, other links pivotally connected at their inner ends to the free ends of the first-mentioned links and pivoted at their rear ends to the rear end of the receptacle, all of said links being arranged on the outside of the receptacle and movable at the sides thereof, and a rigid handle connected to the receptacle, whereby when the pan is being carried by the handle the lid will close by gravity and will be kept closed by the links at each side, said links hanging downwardly below the bottom of the receptacle at an angle, and when the pan is set down on the floor, the links will engage the floor at the inner pivoted connections and cause the links to swing upwardly to open the lid.

1,533,850. RAILWAY-CROSSING GUARD. EDGAR GIBSON, Big Timber, Mont. Filed Aug. 21, 1922. Serial No. 583,432. 3 Claims. (Cl. 246—261.)



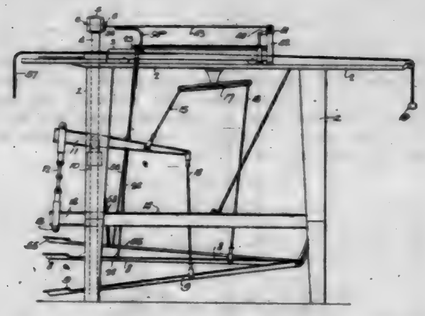
1. In a crossing guard for railway tracks, a gate hingedly mounted beside the track; a chamber; a cylinder having a piston therein, said piston being connected to said gate; means controlled by the presence of a car upon the track for supplying fluid under pressure to said chamber; and means for controlling the passage of fluid pressure from said chamber to said cylinder.

1,533,851. BOLL-WEEVIL DESTROYER. JAMES SULLIVAN GLOVER, Elbridge, Tenn. Filed July 23, 1923. Serial No. 653,251. 4 Claims. (Cl. 43—133.)



4. In an apparatus of the class described, a frame, a supporting wheel mounted to rotate thereon, a hopper mounted on said frame with crushing rolls in the bottom thereof, connections between said rolls and wheel whereby the turning of the latter will actuate the former, wings mounted over said hopper to direct insects into the hopper, links pivotally connected at one end with said wings and at the other end with each other, a bar pivotally connected with the connected end of the links, a lever connected with the bar and adapted to be shifted to move the wings toward and away from each other, and means for holding the wings in adjusted position.

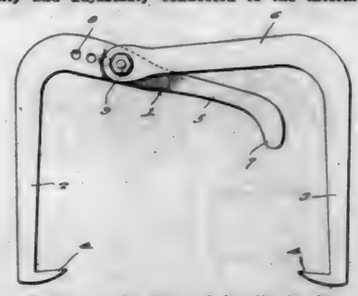
1,533,852. JACQUARD-CARD-PUNCHING MACHINE. KEMP S. GRAHAM, Philadelphia, Pa., assignor to The Orinoka Mills, Philadelphia, Pa., a Corporation of New York. Filed Mar. 15, 1923. Serial No. 625,373. 15 Claims. (Cl. 164—112.)



1. The combination with a supporting body having a recess, of a punch slidable in said recess, and a pair of elements independently movable into said recess in back of the punch and adapted in predetermined relative positions to fix the punch in the body.

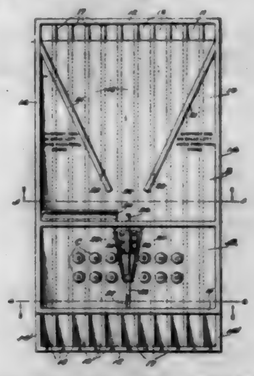
1,533,853. GRAPPLE. MELVILLE M. GRANT, Alliance, Ohio, assignor of one-half to L. Oscar Frantz, Alliance, Ohio. Filed July 25, 1924. Serial No. 728,150. 1 Claim. (Cl. 294—62.)

A grapple of the type specified comprising a pair of arms provided at the corresponding ends with hooks to engage the object to be grasped, the upper end of each arm being directed laterally to provide handles, one of said handles being disposed at an approximate right angle to the complemental portion, the other handle being disposed at an approximate acute angle to its complemental portion, the free end of the right angular handle being pivotally and adjustably connected to the intermediate



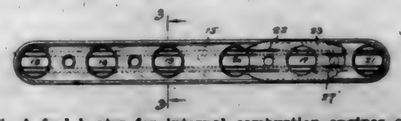
portion of the acutely disposed handle to dispose the hand gripping portion in divergent relation and on a plane below said right angular handle.

1,533,854. GAME APPARATUS. EUGENE D. GRAY, Harrison, Me. Filed May 12, 1924. Serial No. 712,692. 2 Claims. (Cl. 273—122.)



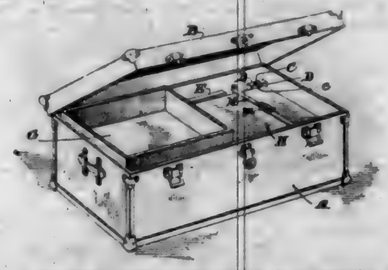
1. In game apparatus, a game board including a base wall, side and end walls, and a flat top upper wall forming a playing surface spaced from said base wall, said upper wall terminating at its ends spaced from said opposite end walls, respectively, and a series of longitudinally disposed dividing walls extending between said upper wall and base wall to form a series of passages having their upper sides open at opposite ends of the board to form a series of pockets across one end and a series of open receptacles across the opposite end of the playing surface, said base wall inclined downwardly from said series of pockets to said series of receptacles.

1,533,855. FUEL HEATER FOR INTERNAL-COMBUSTION ENGINES. HARRY EVERETT HARKIN, Ridgefield Park, N. J., assignor of one-half to Frederick George Krone, Ridgefield Park, N. J. Filed Dec. 1, 1920. Serial No. 427,610. 7 Claims. (Cl. 123—122.)



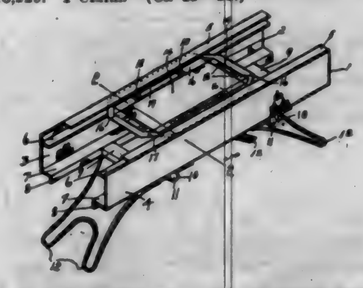
1. A fuel heater for internal combustion engines comprising a wire grid extending across the inlet and exhaust ports of an explosion engine, and serving to transmit the heat of the exhaust therethrough to an explosive mixture contacting with the grid at the inlet port.

1,533,856. TRAVELING TRUNK. WILLIAM HENRY HARRISON, Philadelphia, Pa. Filed Feb. 9, 1924. Serial No. 691,800. 5 Claims. (Cl. 190—19.)



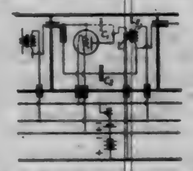
1. A traveling trunk having within it on opposite sides, open ended vertical guides which are shaped to receive and retain the ends of cross bars of garment hangers at the four corners of the trunk, the guides on one side cooperating with the guides on the opposite side to hold said cross bars in position.

1,533,857. AUTO SERVING SET. CHARLES E. HART, Kansas City, Mo. Filed Jan. 17, 1923. Serial No. 613,229. 1 Claim. (Cl. 45—31.)



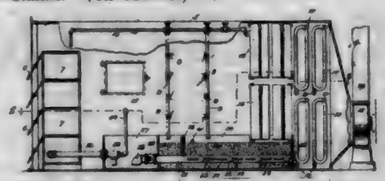
In an auto serving set, a pair of spaced apart side rails having longitudinal channels disposed in opposite relation, bearing boxes mounted on the lower sides of said rails in opposite relation, swinging members having their terminals journaled in said bearing boxes and adapted for supportingly engaging said rails, and a tray slidably mounted in the channels in said rails.

1,533,858. METHOD AND MEANS FOR NEUTRALIZING CAPACITY COUPLING IN AUDIONS. LOUIS A. HAZELTINE, Hoboken, N. J., assignor to Hazeltine Corporation, Jersey City, N. J., a Corporation of Delaware. Original application filed Dec. 28, 1920, Serial No. 433,729, Patent No. 1,489,228, dated Apr. 1, 1924. Divided and this application filed Dec. 28, 1923. Serial No. 683,249. 17 Claims. (Cl. 179—171.)



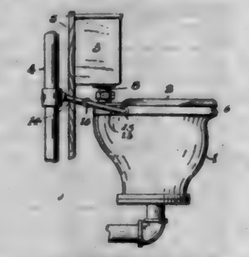
1. The method of neutralizing capacity coupling between the grid and plate circuits of an audion having a transformer in the plate circuit which consists in capacitively coupling the grid of said audion and a secondary of said transformer to cause equal capacity currents to flow to and from the grid whereby such current is prevented from flowing between the grid and the filament system.

1,533,859. AIR-CONDITIONING SYSTEM. WILLIAM B. HOGUE, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Dec. 18, 1923. Serial No. 681,439. 6 Claims. (Cl. 183—3.)



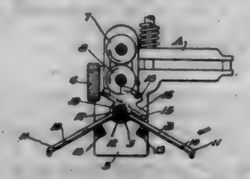
1. In an air conditioning plant, the combination of an air duct; means for propelling air therethrough; water sprayers in said duct; means for collecting water precipitated in said duct; a pump connected to draw water from said collecting means and feed it to said sprayers; a filter of the granular bed type associated with said collecting means and arranged to filter the collected water on its way to the pump; means for disconnecting said filter from said collecting means; auxiliary means for supplying water to said sprayers; means for producing a reverse flow of water through said filter bed to back-wash the same; and an over-flow positioned above the normal water level on said bed and serving to carry off the back-wash water and water precipitated from said spray heads during the back-washing operation.

1,533,860. SANITARY RECEPTACLE. SMITH A. HOGE, Rices Landing, Pa. Filed Jan. 15, 1923. Serial No. 612,626. 6 Claims. (Cl. 4—72.)



1. The combination with a closet bowl formed with a hollow brim roll constituting a flushing water supply passage for the bowl, said roll having its bottom provided with water outlets, a water feed pipe leading to said passage, and an air discharge, means leading from said passage, of a plurality of vertically disposed hollow necks integral with and opening through the bottom of said passage and further terminating at their upper ends at a point in proximity to the top of said passage.

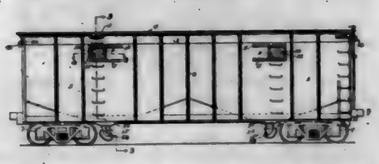
1,533,861. WRINGER. CHESTER C. HOWE, New Kensington, Pa., assignor, by mesne assignments, to The Brush Washing Machine Company, New Kensington, Pa., a Corporation of Pennsylvania. Filed Sept. 2, 1921. Serial No. 497,824. 3 Claims. (Cl. 68—32.)



1. The combination with a ringer having a pair of rolls, of a reversible drain board disposed beneath the rolls, and means for automatically shifting the drain board

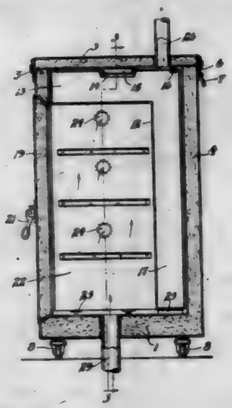
when the direction of the rolls is reversed, said means including a spring pressed wiper disposed in proximity to the end of the roll and frictionally engaging the end face thereof.

1,533,862. STEEL GRAIN CAR. JACOB A. HYLE, Girard, Ill., assignor, by direct and mesne assignments, to United Railway Equipment Company, St. Louis, Mo., a Corporation of Delaware. Filed May 29, 1924. Serial No. 716,686. 11 Claims. (Cl. 105—248.)



1. A steel grain car of the character described, comprising a central fixed partition forming two compartments, each compartment being formed with an ingress opening at each side, an ingress opening at its top, and two egress openings at the bottom thereof.

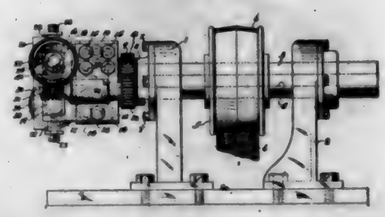
1,533,863. REFRIGERATOR. ANTON JOHNSON, Hunter, N. Dak., assignor to Dakota Cooler Corporation, Fairmount, Ind., a Corporation of North Dakota. Filed May 26, 1923. Serial No. 641,612. 6 Claims. (Cl. 45—71.)



1. A refrigerator comprising a casing having top, bottom and vertical side walls, a door in one of said vertical walls, a removable tank having a top portion with a top wall spaced from the top wall of said casing, and portions extending downwardly along the vertical walls of said casing and spaced therefrom, the said tank being supported in spaced relation from the bottom wall at the back and both sides of said tank by means of spaced supports, and having a chamber formed by the inner portions of the side members and rear member of said tank and the lower portion of the overhanging part of said tank connecting the side members, the chamber thus formed being in alinement with said door.

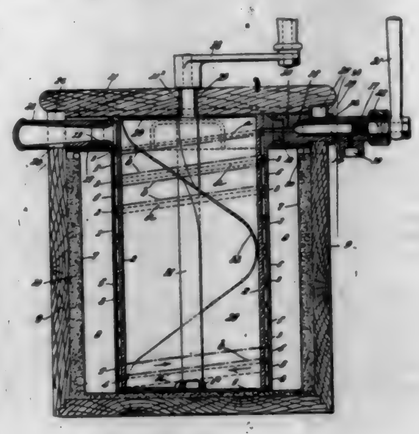
1,533,864. ATTACHMENT FOR FLEXIBLE-TUBE-MAKING MACHINES. CHARLES J. JOHNSON, Bloomfield, N. J. Filed Oct. 26, 1923. Serial No. 671,056. 3 Claims. (Cl. 117—50.)

1. In a device of the kind described, a main shaft having an axial passage therethrough, bearing in which said main shaft is journaled, means for rotating said main shaft, a pair of opposed rotatable combined feed and squeeze rollers to engage an armored electric cable passing into and through said shaft passage, means for mounting said rollers in connection with said shaft adjacent to the receiving end of said shaft passage so that said rollers revolve with the shaft about the longitudinal



axis of the latter, a worm and worm gear transmission means for each roller, each transmission means having a spur gear for driving the same, and stationary gear member supported in connection with a bearing of said main shaft with which said spur gears mesh and about which they revolve as the main shaft rotates, and means for adjusting said rollers toward one another.

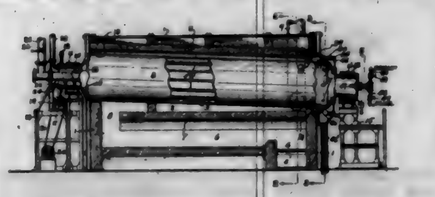
1,533,865. APPARATUS FOR REFRIGERATING AND FOR MANUFACTURING ICE. WILLIAM FFAULKES JONES, London, and ALAN MATHER PENNINGTON, Bury, England. Filed Oct. 29, 1923. Serial No. 671,519. 2 Claims. (Cl. 62—92.)



1. In a refrigerating and ice manufacturing apparatus of the kind herein referred to, a double-wall receptacle having in the space between the walls a helically directed duct returning on itself, said duct having a passage-way whose cross sectional area gradually increases in the direction of its length between the two ends thereof.

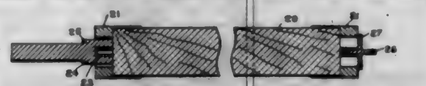
1,533,866. ROTARY KILN. ELLIS C. KENT, Brooklyn, N. Y., assignor to Robert Sayre Kent, Inc., a Corporation of New York. Filed July 24, 1923. Serial No. 653,435. 10 Claims. (Cl. 263—34.)

1. In a kiln, a substantially airtight rotary retort, means for heating said retort, means for introducing material to be treated into the forward receiving end of said retort, said retort having discharge means at its opposite end, means for automatically opening and closing said discharge means, a vent pipe communicating with the forward end of said retort, an adjustable



damper mechanism connected with said vent pipe, and means at the rear end of said retort for controlling the admission of air thereinto.

1,533,867. SPINDLE. CHARLES AUGUSTUS KENWORTHY, East Orange, N. J., assignor to The Beck Duplicator Company, a Corporation of New York. Filed May 11, 1923. Serial No. 638,412. 6 Claims. (Cl. 242—68.)



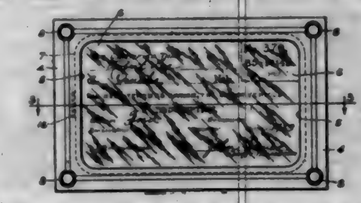
1. In a spindle, the combination with a shaft provided at each end with a member having an opening adapted to be engaged by a chuck; of a removable member adapted to engage with one of said first named members not so engaged by a chuck and provided with a pin adapted to engage with a bearing in the apparatus with which said spindle is adapted to be used.

1,533,868. SCOURING DEVICE. RUSSELL B. KINGMAN, Orange, N. J. Filed May 22, 1924. Serial No. 715,070. 3 Claims. (Cl. 15—208.)



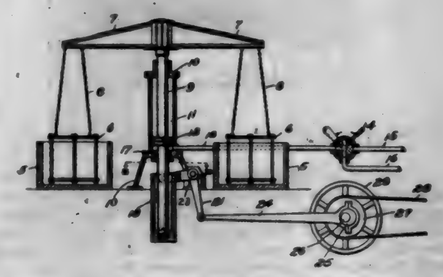
1. A scouring ball, comprising a knitted metallic fabric, a portion of said fabric being loosely balled together to provide a substantially spherical center core, and another portion of said fabric being folded around the said core and secured to form a continuous enveloping outer cover portion.

1,533,869. LICENSE HOLDER FOR MOTOR VEHICLES. AARON T. KLOPP, Omaha, Nebr. Filed Nov. 15, 1923. Serial No. 674,968. 1 Claim. (Cl. 40—16.)



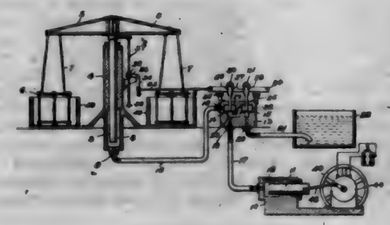
A license holder for motor vehicles, comprising an envelope of moisture-proof material having an open end-flap and having an opening at the front thereof, the edges of said opening being slightly spaced from the adjacent edges of the envelope whereby the remaining portions of the face of the envelope comprise a frame-like border about the opening, a sheet of transparent celluloid and a flat reinforcing member disposed within the envelope, said sheet and member each being substantially coextensive with the envelope, the celluloid sheet being sealed to the face of the envelope about the edges of the opening, and a staple securing together said sheet and reinforcing member near the closed end of the envelope, said staple forming a stop to limit entry of an insert between the reinforcing member and the celluloid sheet.

1,533,870. OPERATING MECHANISM FOR PICKLING MACHINES. LEIF LEE, Youngstown, Ohio, assignor to George Mesta, Pittsburgh, Pa. Filed Sept. 2, 1922. Serial No. 585,973. 3 Claims. (Cl. 266—7.)



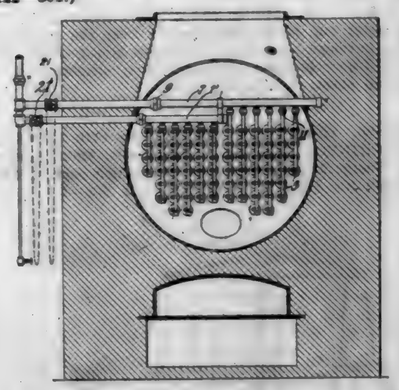
1. In combination in a pickling machine, a vat for the pickling solution, a tray, a longitudinally reciprocable and rotatable plunger for supporting said tray, pressure actuated means for yieldingly supporting said plunger and for reciprocating the same to move said tray into or out of said vat and means independent of said pressure actuated means for imparting longitudinal pulsations to said plunger when said tray is in said vat including a nonrotatable reciprocable shoe adapted to receive the lower end of said plunger when said tray is in said vat, mechanical means for reciprocating said shoe and a nonrotatable yieldingly supported buffer plate located within said shoe and adapted to support said plunger and lock it against rotation while said shoe is reciprocating.

1,533,871. OPERATING MECHANISM FOR WEIGHT-SUPPORTING PLUNGERS. LEIF LEE, Youngstown, Ohio, assignor to George Mesta, Pittsburgh, Pa. Filed Sept. 2, 1922. Serial No. 585,974. 14 Claims. (Cl. 266—7.)



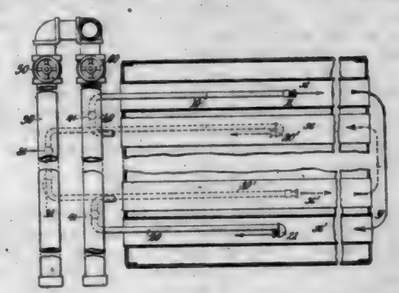
1. In combination with a weight supporting plunger of a machine, a pressure chamber into which said plunger projects, means for delivering actuating fluid to the chamber to support the plunger in different position with relation thereto, and means for delivering pulsations to said fluid within the chamber to reciprocate the plunger.

1,533,872. TUBE CLEANER. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Dubois, Pa. Filed Mar. 10, 1920. Serial No. 364,614. 9 Claims. (Cl. 122—391.)



1. In a boiler, the combination with a fire tube system of a cleaner comprising an expanding jet nozzle inserted permanently within a tube and adapted under pressure to direct a jet of fluid at high velocity parallel with the axis of the tube and in the direction of the normal draft to induce an intensified gaseous flow through the tube, and means for admitting and conducting such fluid to the nozzle.

1,533,873. APPARATUS AND METHOD FOR CLEANING BOILER TUBES. FREDERICK W. LINAKER and THEODORE M. BRUBACK, Dubois, Pa. Filed Apr. 6, 1920. Serial No. 371,729. 17 Claims. (Cl. 122—391.)



1. A tube system having parallel tubes connected at their respective ends, and means for causing a normal draft through the tubes in one direction, said tubes divided into groups or series, with cleaning means comprising jet-projecting elements having accelerating nozzles located within the tubes, the series of such elements in the tubes of one group discharging in a direction opposed to such normal draft, and the series in the tubes of another group discharging in a direction coinciding with the normal draft, and controlling valves, whereby on blowing both series of elements a circulation is caused in one direction through one group of tubes and in the reverse direction through the other group of tubes.

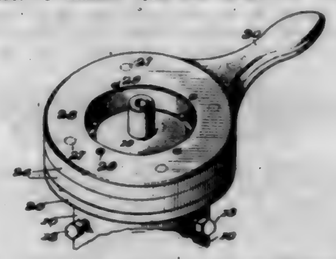
1,533,874. ELECTRIC-ARC WELDING AND PREHEATING HANDLE. HENRY W. LIVERMORE, East Orange, N. J., assignor to Electric Arc Cutting & Welding Company, New York, N. Y. Filed Dec. 30, 1921. Serial No. 525,984. 8 Claims. (Cl. 219—14.)

1. In a device of the class described, a one-piece longitudinal frame member adapted to carry cables substantially from end to end, clamps carried on one end of said member in insulated spaced relationship, holders adjustably carried by said clamps and supporting arc



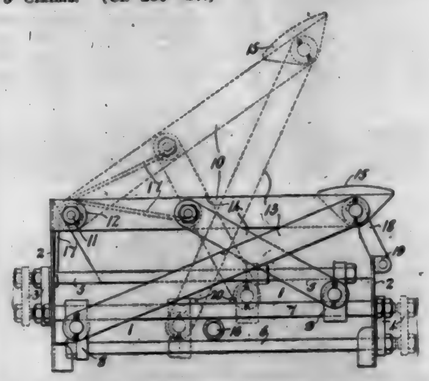
electrodes, fastening means on said clamps for receiving said electric current cables and means for striking an arc between said electrodes.

1,533,875. CASING-HEAD LATCH. CLYDE MCCLEARY, Webb City, Okla. Filed Sept. 17, 1924. Serial No. 738,237. 8 Claims. (Cl. 285—168.)



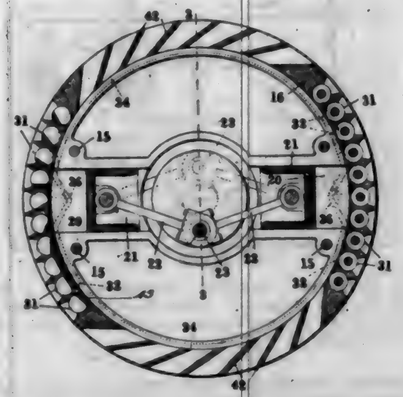
1. In combination with a control head, a tubular body mounted thereon and having a seat at its upper end, a cap coopernable with said seat, holding means engageable with and disengageable from said cap and including slidable holding pins mounted on the tubular body portion, and a rotatable operating member mounted on the tubular body portion and coacting with said pins for sliding the same inwardly and outwardly.

1,533,876. PUMP FOR INFLATING PNEUMATIC TIRES AND THE LIKE. DAVID MCERLANE, Glasgow, Scotland. Filed Aug. 29, 1922. Serial No. 585,007. 5 Claims. (Cl. 230—27.)



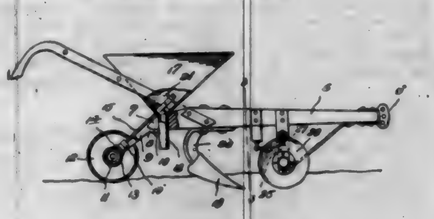
1. In a pump for inflating pneumatic tires and the like, a cylinder; piston rods protruding from both ends of said cylinder and provided with crossheads; rods connecting said crossheads with other crossheads adapted to slide on guide rods; and an arrangement of a lever and links for actuating the same, substantially as herein set forth.

1,533,877. POWER-TRANSMITTING DEVICE. CYRUS T. MCCORMICK, Fredericktown, Mo. Filed May 17, 1923. Serial No. 639,519. 9 Claims. (Cl. 192—60.)



1. In a device of the class described, the combination with a driving member, of a driven member, a cylinder carried by one of said members, a piston connected to the other of said members, a plurality of valves also carried by said latter named member, and means for progressively actuating said valves to retard the flow of fluid from said cylinder, said means being arranged to begin the opening of each succeeding valve before the closing of the preceding valve is completed.

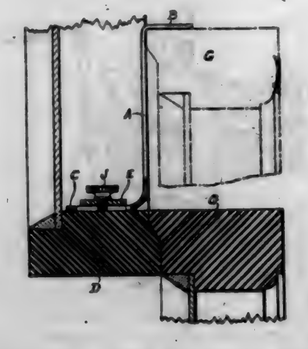
1,533,878. AGRICULTURAL IMPLEMENT. ISHAM E. MCGEE, Starr, S. C. Filed Dec. 26, 1923. Serial No. 682,731. 2 Claims. (Cl. 97—209.)



1. In an agricultural implement of the character described, a beam, vertical bifurcated members rigidly attached to and depending from opposite sides of the beam, vertical spindles carried by said bifurcated members, outwardly projecting stub axles having hub members upon the inner ends thereof rotatably and slidably mounted upon said spindles, yieldable means carried by said spindles for resisting sliding movement of the stub axle hubs upwardly on said spindles, means associated with the stub axles and with the plow beams for securing the stub axles in adjusted position at different angles relative to the longitudinal axis of the beam, and coulter discs journalled upon said stub axles.

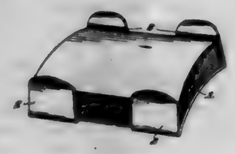
1,533,879. WINDOW CATCH. PETER GEORGE RENDALL MACINNES, Glasgow, Scotland. Filed Sept. 20, 1923. Serial No. 663,812. 2 Claims. (Cl. 292—262.)

1. A window catch comprising an arm or bar having ends bent over at right angles in opposite directions, and a horizontally apertured socket piece on the lower sash-bar of the upper portion of the window to receive



one bent end of the bar, as and for the purposes described.

1,533,880. CARD HOLDER. MAX H. MALWITZ, Eau Claire, Wis. Filed May 23, 1924. Serial No. 715,822. 1 Claim. (Cl. 273—148.)



A playing card holder having an inwardly curved back with opposite constricting inwardly bent sides and finger spaces bent up from the edges of the curved back, the space between and parallel with said bent sides being open and unobstructed at both ends, substantially as set forth.

1,533,881. DOOR CONSTRUCTION. HUNTINGTON MALARKEY, Chicago, Ill. Filed Nov. 24, 1924. Serial No. 751,898. 4 Claims. (Cl. 20—35.)

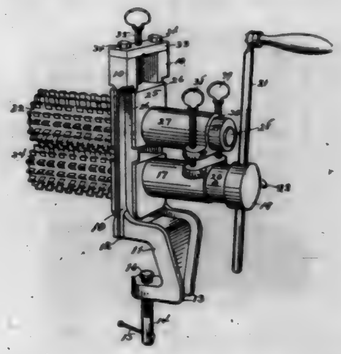


3. In a door, stiles, rails having a wide groove therein, panels in the central portion of said grooves, and wedge members in said grooves and upon each side of said panels.

1,533,882. MACHINE FOR TENDERING BEEFSTEAK. SIMON P. MICKEY, Gering, Nebr. Filed Apr. 21, 1924. Serial No. 707,898. 8 Claims. (Cl. 17—26.)

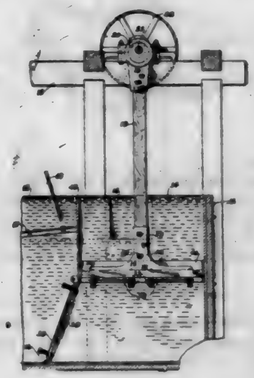
1. A machine for tendering beef steak, comprising a single frame member, means for securing said frame member to a support, shafts mounted substantially parallel

in and extending on opposite sides of said frame member, one of said shafts being adjustable relative to the



other, and toothed rollers removably and replaceably mounted on said shafts, said rollers being wholly at one side of said frame member.

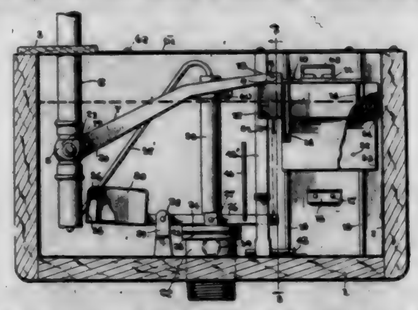
1,533,883. VALVE PLUNGER. GEORGE LEROY MILLER, Shickshinny, Pa. Filed Feb. 20, 1924. Serial No. 694,101. 7 Claims. (Cl. 103—225.)



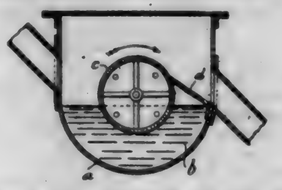
1. In a device of the character described, the combination of a rectangular chamber, a plunger having a head conforming to the sides of the chamber and reciprocable therein, channel shaped shoes embracing the sides of the plunger and slidably supported thereon, and springs seated between the bottoms of the channels and the sides of the plunger and urging said shoes into close contact with the sides of the chamber.

1,533,884. FLUSH TANK. CHARLES MONROE MINTON, Philomath, Oreg. Filed July 14, 1922. Serial No. 574,937. 3 Claims. (Cl. 4—67.)

1. A tank of the character described comprising a container body adapted to hold a liquid and being provided with an inlet and with an outlet through the bottom thereof, a vertically movable float within the container and adapted to rest upon a liquid therein, means operated by the float for controlling the inlet, a closure for the outlet, a pivoted arm secured intermediately to said closure, a lever and link arrangement connected to said arm at one end thereof and having a portion extending exteriorly of the container body, whereby said closure can be lifted from closing position upon manual operation of the lever and link arrangement, and a float upon the end of the bar remote from that attached to the lever and link arrangement for returning the closure to closed position.



1,533,885. METHOD OF REMOVING A LIQUID FROM THE SURFACE OF MOLTEN METAL. JOHN STANLEY MORGAN, London, England. Filed June 1, 1922. Serial No. 565,105. 3 Claims. (Cl. 266—34.)



1. A method of completely and rapidly removing a liquid material from the surface of a molten metal, such as lead, so as to avoid or minimise the simultaneous removal of metal, which consists in revolving a body having a surface which is a figure of revolution, with part of the said surface immersed beneath the level of the liquid and removing the material from the surface of the said body at a part thereof which is not immersed.

1,533,886. WATER TRAP AND TRAP CONNECTION. PHILIP MUELLER, ANTON C. SCHUERMANN, and CLARENCE W. LUCAS, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Aug. 19, 1920. Serial No. 404,539. 4 Claims. (Cl. 285—122.)



1. A water trap comprising inlet and outlet pipe sections one of which has a bushing interlocked therewith by a flange at the end of the pipe and a projection in the wall of the pipe below said flange; means for nonrotatably securing said bushing to one of the pipe sections, the other of said sections having an integral flange formed in the wall thereof at a point removed from its end and disposed in opposed relation to said end-flange; and a coupling-nut rotatably engaged with said flanged section and detachably connected with said bushing.

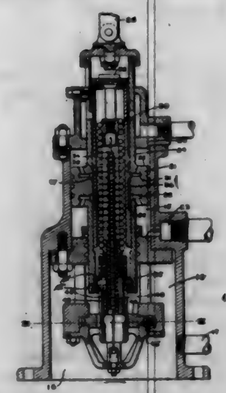
1,533,887. MAIL-BOX SUPPORT. CASPER M. MUGLER, Clay Center, Kans. Filed July 19, 1924. Serial No. 727,018. 3 Claims. (Cl. 232—40.)

1. A mail box support including upper and lower sections, the lower section being of tubular, expansible and contractible form and having an upper head including radially outstanding wings, the upper section having an upright body provided at its lower portion with outstanding wings to seat on the wings of the lower section and also having a depending extension of tubular form telescoping within the upper portions of the



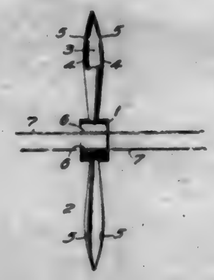
lower section, said upper section having a horizontally outstanding box supporting arm, and having braces connecting its said body portion and its said outstanding arm, and a clamp around the upper portion of the lower section to clampingly engage the same with the inner telescoping extension of the upper section.

1,533,888. GOVERNING APPARATUS. JOHN S. MYERS, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,316. 11 Claims. (Cl. 264—14.)



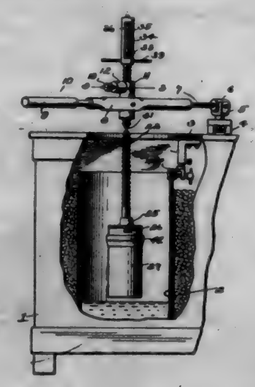
1. In a fluid-pressure actuated governing apparatus, the combination of a controlling element having a single-acting operating piston portion actuated in one direction by intermittent admission of fluid under pressure thereagainst and a stem portion subjected at all times to fluid under pressure for moving the controlling element in the opposite direction, a valve for admitting and exhausting motive fluid to the operating piston portion, means for biasing the valve toward a fixed position relative to the controlling element, and further means for biasing the valve toward a stationary element.

1,533,889. WHISTLING-PROPELLER TOY. FRANK H. NEWCOMB, Ashland, Mass. Filed July 8, 1924. Serial No. 724,838. 2 Claims. (Cl. 46—14.)



1. As an article of manufacture, a whistling propeller toy comprising a hub provided with radial blades oppositely pitched whereby the propeller, upon receiving revoluble movements first in one direction and then the other, expels the air first in one direction and then the other at right angles to the direction of rotation of the propeller, and an operating twisting cord on which the propeller toy is operatively mounted and whereby, upon exerting pressure in directions away from the propeller longitudinally of the cord and alternately relieving the pressure, revoluble movements are imparted to the propeller, the opposite walls of the propeller blades being arcuate and provided with axially aligned circular openings which act to draw in and expel the air during the rotation of the propeller for the purpose of creating a whistling noise.

1,533,890. BOX FILLER. OLLIE B. NEWMAN, Camp Chase, Ohio. Filed Sept. 17, 1924. Serial No. 738,258. 5 Claims. (Cl. 226—19.)



3. A device of the class described, comprising a frame, telescopically connected sections adapted to adjustably connect the frame to an ice cream containing cabinet, a hollow shaft adjustably connected with the frame and having a box holder detachably connected to its lower end, a rod slidable in the shaft and having a disk upon its lower end adapted to engage a box mounted in the holder, a casing mounted upon the upper end of the shaft, said casing having notches formed therein, a pin carried by the rod for selectively engaging the notches to hold the disk in adjusted positions to engage boxes of varying capacities mounted in the box holder.

1,533,891. SINK TRAY. CLAUDE J. OLES, Unadilla, N. Y. Filed Aug. 15, 1924. Serial No. 732,263. 1 Claim. (Cl. 4—189.)

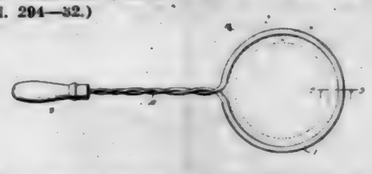


A sink tray comprising a pair of spaced, parallel, wooden sills, each sill having its upper face formed with sockets extending downwardly partway into the sill, and also having depending foot portions at the terminals thereof, and a plurality of spaced metallic cross bars connecting the sills, each cross bar having its terminals bent downwardly and pointed to be forced into said sockets, the latter being of less diameter than said pointed terminals for the purpose set forth, and each pointed terminal having longitudinal ridges to prevent turning in their respective sockets.

1,533,892. CASTING FREELY OXIDIZABLE METAL. HAROLD H. OSBORNE, Cleveland, Ohio, assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Mar. 6, 1922. Serial No. 541,569. 11 Claims. (Cl. 22—188.)

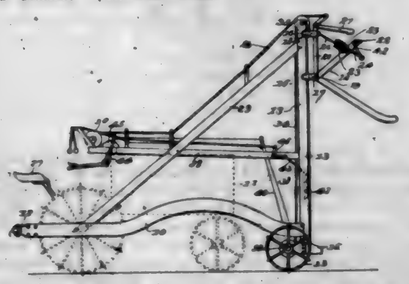
1. A sand mold having a binder containing glycerine.

1,533,893. PLATE LIFTER. JOSEPH PERRY, Jackman, Me. Filed Oct. 9, 1924. Serial No. 742,682. 2 Claims. (Cl. 294—32.)



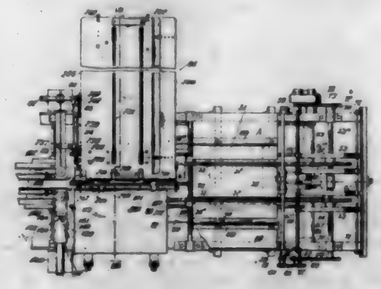
1. A kitchen implement of the character specified comprising a single stout wire doubled upon itself and having the part adjacent the fold or bight enlarged to provide a ring which is flattened, the end portions of the wire being brought together and intertwisted.

1,533,894. HAYSTACKER. HENRY A. PETERSON, Holdredge, Nebr. Filed July 13, 1921. Serial No. 484,361. 3 Claims. (Cl. 214—113.)



1. A hay stacker having a push frame provided with laterally spaced side beams to permit of the arrangement therebetween of a tractor, a push bar spanning the rear ends of said side beams and adapted for attachment at an intermediate point to a convenient portion of the tractor frame, an upright frame supported by the front end of the push frame, a fork mounted for vertical movement upon the upright frame, a ground wheel supporting the push frame at the forward end, fork actuating means operatively connected with the ground wheel, an overhead frame paralleling the push frame and terminating adjacent the tractor seat, and controlling means for the fork actuating means carried by said overhead frame.

1,533,895. BOOK OR PAMPHLET COVERING MACHINE. JOHN J. PLEGER, Chicago, Ill. Filed Feb. 4, 1922. Serial No. 534,101. 42 Claims. (Cl. 11—4.)



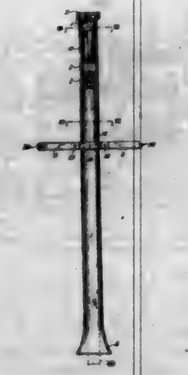
1. A machine of the character described, comprising endless cover-sheet conveying means provided with cover-sheet engaging portions, means disposed along the path of the cover-sheet whereby one side of the latter is scored, and means, disposed beyond said scoring means, along the path of the cover-sheet whereby the opposite side of the cover-sheet is provided with adhesive material intermediate of the outer scores.

1,533,896. GAS RETARDING AND ADJUSTING DEVICE. FREDERICK W. POPE, Roxbury, Mass. Filed May 28, 1924. Serial No. 716,361. 8 Claims. (Cl. 137—112.)



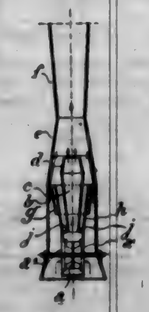
1. A device for retarding and adjusting the flow of gas in boiler tubes comprising a tubular body portion, a tubular section projecting from the body portion, and removable means carried by the device to retard and adjust the flow of gas.

1,533,897. WELL DRIVER. JAMES W. POTTS, Gunnison, Miss. Filed Mar. 29, 1923. Serial No. 628,661. 5 Claims. (Cl. 61—73.)



1. In a well driver of the type described, a pipe section, handle bar carried thereby, a metallic insert at the upper striking end of the pipe section, and a wooden block embedded in the metallic insert.

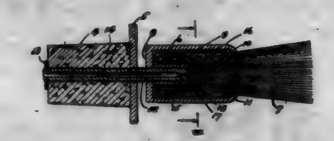
1,533,898. APPARATUS FOR OBTAINING ARTIFICIAL DRAFT. GEORGES JULES ARMAND LOUIS PRAT, Paris, France. Filed Aug. 30, 1923. Serial No. 660,257. 3 Claims. (Cl. 110—162.)



1. In apparatus for producing artificial draft in chimneys, the combination of a fan or ventilator having a discharge nozzle opening to the chimney, a housing around said nozzle and communicating at one end with the outlet of the fan and providing a passage between its other end and the chimney wall, means for opening or closing said passage whereby the apparatus may operate to produce either an induced or an aspirated draft, and means whereby the discharge of the fan may take place through the nozzle alone or through the nozzle and housing.

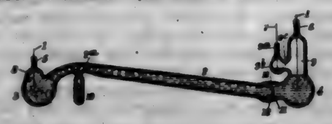
1,533,899. FOUNTAIN BRUSH. JACK E. PYETLE, San Francisco, Calif., assignor to Service Products Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 23, 1924. Serial No. 694,675. 2 Claims. (Cl. 15—138.)

1. A fountain brush comprising a reservoir handle with a stopper at one end with a threaded pipe extending therethrough and projecting therefrom, a bristle carrying tubular element surrounding and securing the bristles and having a threaded socket screwing over the



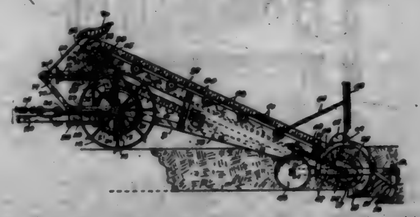
pipe, said socket having a stop adapted to abut and close the end of the pipe upon screwing the element, and a port from the socket to the bristles adjacent the stop.

1,533,900. MERCURY AND OTHER VAPOR ELECTRIC LAMP. FREDERICK REYNOLDS, Walkerville-on-Tyne, England, assignor of one-half to The Silica Syndicate Limited, Westminster, London, England, a Company of Great Britain. Filed Apr. 16, 1921. Serial No. 462,054. 3 Claims. (Cl. 176—42.)



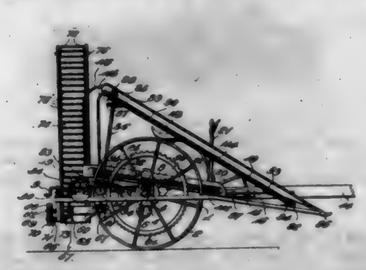
1. A vapor electric lamp of the atmospheric type, having a lighting tube, a chamber at only the lower end thereof for displaced vaporizable liquid, a chamber at the upper end of said tube and filled with said vaporizable liquid, said lighting tube being constricted to assist in the striking of an arc at the starting of the lamp, said constriction being of such extent and so located that the liquid at the negative end of the lamp remains in the constriction during the play of the arc, said constriction being of such cross section that at the negative end of the lamp the cross sectional area of the liquid upon which the arc plays is less than that upon which the arc plays at the positive end of the lamp, the relation between said areas being such that the temperatures of the opposed faces of the liquid electrodes upon which the arc plays at its opposite ends, are substantially equal, and condensation at the negative electrode is thus avoided.

1,533,901. DITCHER. ANDREAS G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed Feb. 20, 1922. Serial No. 537,818. 18 Claims. (Cl. 37—102.)



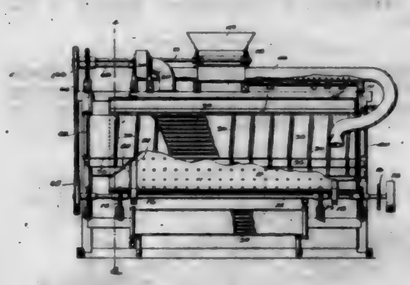
1. In an excavating machine, a forwardly inclined elevator boom, an endless carrier mounted upon shafts at opposite ends of the boom, a curved shovel arranged rearwardly of the lower end of the carrier and in normally uniform spaced relation therewith, said shovel being pivotally connected to the boom for swinging movement in a vertical plane, and means for mounting the lower shaft of the carrier with reference to the lower end of the carrier whereby the shaft will be yieldably movable away from the shovel to permit the space between the carrier and the shovel to enlarge under pressure.

1,533,902. ENSILAGE CUTTER. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Filed Mar. 13, 1924. Serial No. 699,125. 4 Claims. (Cl. 56—61.)



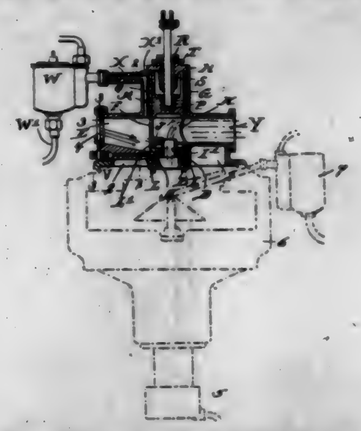
1. A harvesting machine having a stalk gathering and feeding mechanism, means for cutting the standing stalks from the field, a chute receiving from said cutting mechanism which is inclined upwardly and rearwardly and which is arranged to deliver to a second cutting mechanism, said stalk gathering and feeding mechanism being arranged to convey the cut stalks in an upright position from said first named cutting mechanism, means for directing the severed stalks so that they will fall from said gathering and feeding mechanism transversely of the direction of the movement of the machine, an ensilage cutting mechanism arranged to receive the stalks as they thus fall transversely of the movement of the machine and to cut the stalks into small particles as they are thus received, elevator mechanism arranged to receive from said ensilage cutting mechanism and to deliver the said cut particles of stalks from the machine, and power applying devices for operating the said several mechanisms of the said machine.

1,533,903. SEED-COTTON CONDITIONER. PARRISH H. RYLANDER, Austin, Tex., assignor to The Rylander Co., Austin, Tex. Filed Jan. 31, 1923. Serial No. 616,143. 11 Claims. (Cl. 34—5.)



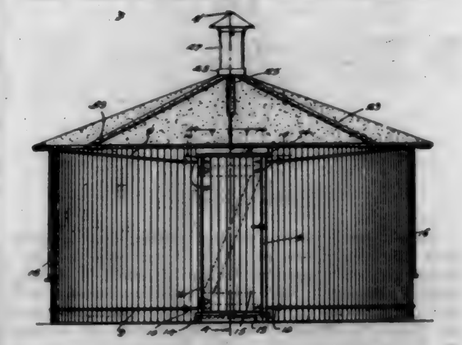
10. A cotton conditioner comprising a casing, a drum arranged therein, a feed hopper having a flue for supplying cotton to the drum, a plurality of stationary spaced coils arranged within the drum and being transversely inclined, the upper edges of the coils being arranged in spaced vertical planes, covers extending over the coils and constituting trays to support the cotton for sliding movement across the coils during which time the cotton is subjected to the action of heat from the coils, supplemental heating means for the cotton, a fan adapted for supplying heated air to the flue whereby to maintain the flue and the drum in a heated condition, covers for said coils being provided with means to advance cotton as it passes across the covers, and means to supply jets of steam to the cotton during its passage through the flues.

1,533,904. MIXING VALVE FOR GASES. THOMAS WILLFRED SAUNT, Leigh-on-Sea, England. Filed Aug. 4, 1924. Serial No. 730,019. 1 Claim. (Cl. 261—44.)



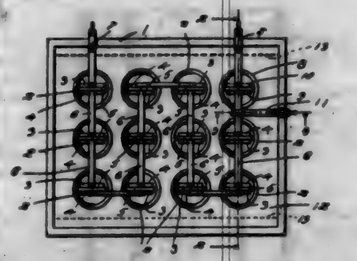
A casing comprising a conduit adapted for connection at one end to an engine intake and open at the other end to the atmosphere, an inlet for vaporized fuel extending into said conduit transversely of the bore thereof, a cylindrical sleeve extending across said conduit coaxially of said fuel inlet, said sleeve being formed with an opening in that side adjacent the end of the conduit which is adapted to be connected to the engine intake, and with an arcuate port in the opposite side extending part way around said sleeve, the upper edge of said port terminating substantially at the upper edge of said fuel inlet, and a plunger-type throttle valve operable within said sleeve.

1,533,905. BROODER HOUSE. HENRY M. STAUFFER, and CLAUDE R. STAUFFER, Leola, Pa. Filed Dec. 18, 1923. Serial No. 681,389. 2 Claims. (Cl. 20—2.)



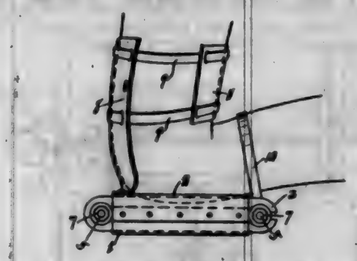
1. A brooder house comprising a sectional floor, a sectional enclosing wall embodying upper and lower cleats on the inner surface thereof, the lower cleats being disposed to overlap and rest upon the floor, and the upper cleats having their ends halved to provide lap joints, a flexible tie exteriorly encircling the enclosing wall and assisting materially in retaining the sections in place, a sectional roof including rafters which are let into notches in the top of the outer wall and which are notched in turn to receive said wall, said tie being disposed in the notches of the rafter and a collar having the roof sections grouped thereabout and receiving dowels projecting from the rafters, the enclosing wall being provided with a door and windows.

1,533,906. COMBINED STORAGE BATTERY AND RECTIFIER. WILLIAM THRESH, Cincinnati, Ohio. Filed Apr. 12, 1923. Serial No. 631,582. 2 Claims. (Cl. 136—29.)



1. A storage battery including a plurality of cells electrically connected in series, a rectifier cell electrically connected to one end of said series, a terminal secured to said rectifier, another terminal secured to the end cell of the series farthest removed from the rectifier, and a third terminal adapted to be connected in circuit with the series of battery cells at different positions for charging and discharging the battery.

1,533,907. KNEE PROTECTOR. JOHN W. WHIPP, Fort Worth, Tex., assignor of one-half to M. H. Moore, Fort Worth, Tex. Filed July 26, 1924. Serial No. 728,481. 4 Claims. (Cl. 2—24.)



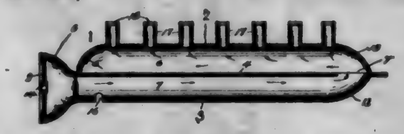
2. A knee protector comprising a base member and a knee supporting member, a frame for spacing said base and supporting members apart, said base and supporting members being formed of a single piece of flexible material and surrounding said frame, a brace and shield attached to said knee support, straps and buckles attached to said brace and shield for binding the same to the leg of the wearer, and a bearing member to prevent said straps from injuring the legs of the wearer.

1,533,908. TOY GUN. HENRY J. WOLTER, St. Cloud, Minn. Filed July 3, 1924. Serial No. 724,088. 1 Claim. (Cl. 124—14.)



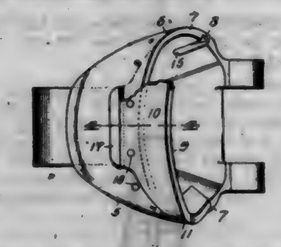
A gun comprising a stock provided with a longitudinally extending groove terminating at its rear end in a shoulder, a barrel provided at its front end with an arcuate notch and having its rear portion seated in said groove with its rear end in contact with said shoulder, a fastening element passing through the stock and engaging the barrel, said stock being provided with an opening and said barrel with a slot, and a trigger pivoted to the barrel within said slot and extending through said opening, said trigger being provided with a forwardly extending arm positioned in said slot and terminating at its front end in a lug extending through said slot above the barrel.

1,533,909. BURNER FOR GAS STOVES. ORA A. FERGUSON, Tulsa, Okla. Filed May 18, 1922, Serial No. 561,985. Renewed Mar. 5, 1925. 2 Claims. (Cl. 158—104.)



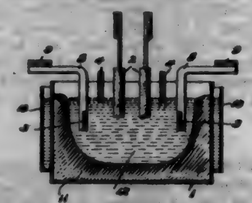
1. A gas burner, comprising a base trough section of semi-circular form in cross section and having a baffle integral therewith and in the plane of its upper edge and a gas inlet port, and a cover section also of semi-circular form in cross section and having its lower edge in the plane of said baffle and being provided with burner tips, said cover section being of the same length of said base section and forming therewith a burner of circular form in cross section, of which said baffle is diametric.

1,533,910. DREDGE BUCKET AND LIP THEREFOR. GEORGE R. HANKS, High Bridge, N. J., and GERRITT V. WOOD, Oakland, Calif., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed June 25, 1924. Serial No. 722,304. 10 Claims. (Cl. 37—191.)



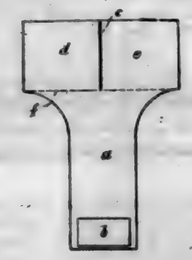
1. A dredge bucket having its hood formed with a lip seat, a lip adapted to said seat and having flanges inside and outside the hood, the inside flanges having a wedge connection with the hood.

1,533,911. ELECTROLYTIC PRODUCTION OF MAGNESIUM. WILLIAM G. HARVEY, Niagara Falls, N. Y., assignor to American Magnesium Corporation, Niagara Falls, N. Y., a Corporation of New York. Filed Sept. 6, 1921. Serial No. 498,892. 4 Claims. (Cl. 204—19.)



1. The method of electrodepositing magnesium from a molten fluorid bath utilizing a solid cathode, comprising maintaining the zone of bath in proximity to the cathode at a lower temperature than the zone of bath in proximity to the anode, whereby the cathode zone of bath is more viscous than the anode zone.

1,533,912. DEVICE TO LESSEN THE VELOCITY OF FALL OF SAMPLES THROWN OUT OF FLYING MACHINES. FRIEDRICH HESS, Munich, Germany. Filed June 9, 1924. Serial No. 718,995. 2 Claims. (Cl. 244—1.)



1. A device to retard the velocity of fall of articles thrown out of flying-machines, specified as consisting of a sheet of paper or similar material, to the lower end of which the article can be attached, while the upper end is formed into two screw-blades, by which a rotatory motion round a vertical axis is imparted as the device falls, and this rotation hindered by the resistance of the air to the rotating stem of the device.

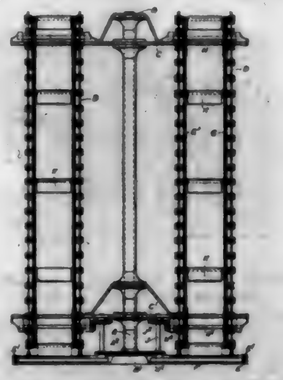
1,533,913. BOBBIN. ROY D. HEYMANN, Hartford, Conn. Filed Mar. 24, 1924. Serial No. 701,892. 2 Claims. (Cl. 242—120.)



2. A hollow bobbin of fruato-conical form and of pulp, the body receiving in it a spider comprising a base that fits over the lower edge of the body and having a head and a hollow stem connecting the head and the base, the head having spurs which are pressed downwardly onto the body, said hollow stem being adapted to slidingly fit over a spindle.

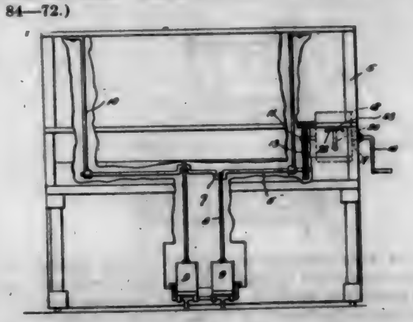
1,533,914. AMUSEMENT DEVICE. CLARENCE D'OYLEY HUTCHINS, Windsor, England. Filed June 24, 1924. Serial No. 722,123. 3 Claims. (Cl. 272—7.)

1. In an amusement device of the class described, the combination of a vertical pivot, a tube rotatable about said pivot, a framing comprising radial arms extending from said tube, a cage carried by said arms elevating mechanism mounted in the cage at least one car permanently freely suspended from said elevating mechanism, means for rotating the framing about its pivot, and means for actuating the elevating mechanisms when the whole framing is rotated such that the raising and



lowering of the several cars is positively controlled by these mechanisms and takes place along substantially similar ascending and descending paths.

1,533,915. MOTOR ATTACHMENT FOR PLAYER PIANOS. JOHN EARL JACKSON, Detroit, Mich. Filed Oct. 13, 1923. Serial No. 668,330. 4 Claims. (Cl. 84—72.)



1. In a combination with a player piano embodying a case and operating pedals, a longitudinal crank shaft journalled within the case of the piano and having cranks, links operatively connecting the cranks of said shaft with said pedals, a spring motor within the case adjacent one end of the latter and operatively connected to said crank shaft, externally disposed means for rewinding said spring motor from a point at one end of the piano case, and means adjacent said rewinding means for rendering the motor operative or inoperative at will.

1,533,916. BONDING RAIL JOINT. IRA K. JOHNSON, West Caldwell, N. J. Filed May 23, 1924. Serial No. 715,328. 3 Claims. (Cl. 238—243.)



1. A rail joint comprising fish plates, oppositely disposed longitudinal sets of projecting teeth formed on said fish plates at the point of contact of the same with each rail whereby irrespective of the relative movement of the connected rail sections, said teeth set up a biting action to insure bonding of the rails and the establishment of electrical communication therebetween.

1,533,917. BLEACHING PROCESS AND MEANS. WILLIAM O. KAISER, Burlington, Iowa. Filed July 10, 1924. Serial No. 725,282. 10 Claims. (Cl. 8—2.)

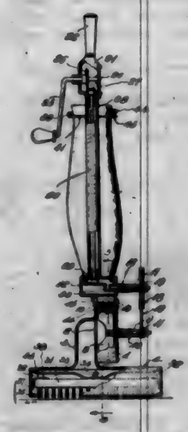
2. The process consisting in placing the object to be treated between sheets of material respectively impregnated with oxalic-acid and sodium bisulphite, and then applying to the sheets a liquid whereby said chemicals are caused to react.

1,533,918. WEEDER. MORGAN D. KAST, Pendleton, Oreg. Filed July 25, 1922. Serial No. 577,294. 7 Claims. (Cl. 97—144.1.)



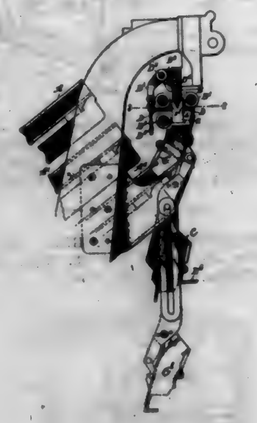
1. A weeder comprising a coupling frame, a pair of weeder frames pivotally connected to the coupling frame and supporting the same, rollers mounted within the weeder frames, cutting blades carried by the weeder frames, means for independently adjusting each of the rollers to regulate the depth of the blades, and means for independently dumping each weeder frame.

1,533,919. HAND-OPERATED VACUUM CLEANER. WALTER L. KEEFER, Chambersburg, Pa., assignor to Harry G. Wolf, Chambersburg, Pa. Filed Feb. 26, 1923. Serial No. 621,405. 3 Claims. (Cl. 15—17.)



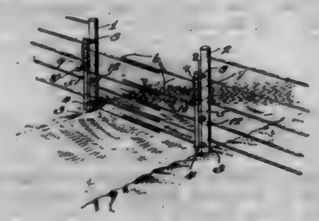
1. A hand-operated vacuum cleaner comprising a fan casing having an inlet nozzle at its front side, a suction fan in said casing having a horizontal shaft extending laterally through one side thereof, a gear casing pivoted to the rear side of said fan casing on a horizontal axis parallel to said shaft, a second horizontal shaft extending through one side of said gear casing and disposed parallel to and behind the fan shaft, wheels on both of said shafts and a belt trained around said wheels, said belt being yieldable to permit vertical swinging of said gear casing without interfering with driving of the fan shaft, an elongated handle at right angles to said shafts secured at its front end to said gear casing, a longitudinally extending manually operated shaft carried by said handle and extending into said gear casing, and gearing in said gear casing for driving the second named shaft from said longitudinal shaft.

1,533,920. TYPOGRAPHICAL DISTRIBUTING MACHINE. DAVID S. KENNEDY, Brooklyn, N. Y., assignor to Mergenthaler Linotype Company, a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,657. 16 Claims. (Cl. 199—38.)



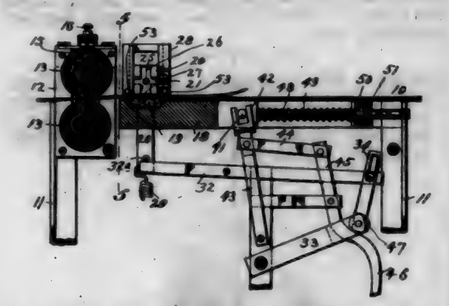
1. A typographical distributing mechanism including, in combination, a distributor bar formed to release a matrix at one point, and cooperating means adapted to give support to said released matrix and drop it at a different point, said means being movable into or out of action, as required, according to the distributing point of the matrices undergoing distribution.

1,533,921. FLOODGATE. JOHN A. KENNEDY, Topeka, Kans. Filed June 7, 1924. Serial No. 718,536. 2 Claims. (Cl. 39—4.)



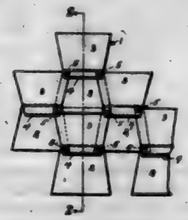
1. A flood gate comprising standards, one on each side of a stream, gate sections with vertical spindles rockably mounted on the standards and adapted to align with each other for the purpose of closing a gap in a fence ending on each side of the stream, projecting abutments on the standards for limiting the gate sections in alignment, and means on the spindles for tensioning the gate sections to hold them against the abutments.

1,533,922. PLANT-SHREDDING MACHINE. WILLIAM EDWIN KILLINGER, Oklahoma City, Okla. Filed Sept. 18, 1923, Serial No. 663,455. Renewed Feb. 20, 1925. 8 Claims. (Cl. 19—1.)



3. A plant shredding device comprising a slitting device a plant drawing means beyond the slitting device, and means to move the slitting device while in engagement with the plant towards the plant drawing means.

1,533,923. INTERLOCKING SHINGLE. RAYMOND A. KNOLL, Carrick, Pa. Filed July 13, 1923. Serial No. 651,322. 2 Claims. (Cl. 108—8.)



1. A shingle provided with a central double fold providing inner and outer elements extending in substantial parallelism with the body of the shingle and adapted for reception between them and the shingle body of the corner portions of adjacent shingles, the ends of the shingle being plain and unfolded to facilitate insertion thereof into the folds of adjacent shingles.

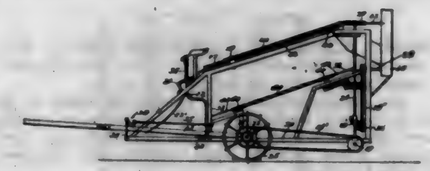
1,533,924. BUCKLE STRAP. HERMAN A. KREIDORN, Seguin, Tex. Filed May 27, 1924. Serial No. 716,203. 3 Claims. (Cl. 241—8.)



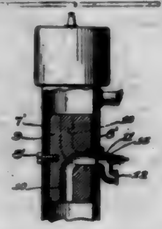
1. A strap comprising two side strips secured together with a lining interposed having ribs thereon running transversely to the strap.

1,533,925. MAIZE HEADER. JOHN S. LANE, Rochester, Tex. Filed July 25, 1922. Serial No. 577,344. 8 Claims. (Cl. 56—59.)

1. A harvester for maize and similar products having a preliminary or stalk cutting mechanism for severing the stalks from the stubble at a uniform distance from the plane of the ground surface, means for engaging the grain heads to support the same with the attached stocks, means for conveying the heads rearwardly in this stalk supporting position and in a common plane, and a head cutter mechanism for severing the stalks at a uniform distance from the heads, the means for engaging and guiding the heads in a stalk supporting position consisting of a grille having longitudinally disposed rods forming spaces for the reception of the stems or stalks.



1,533,926. INTERNAL-COMBUSTION ENGINE. LUDVIG A. LARSON, Summit, S. Dak. Filed May 31, 1922. Serial No. 564,889. 1 Claim. (Cl. 123—61.)



In an internal combustion engine, a cylinder, a hollow piston mounted for reciprocation therein, a stationary valve core in said piston and provided with L shaped passageways opening out through its ends and through its side intermediate its ends, an intake manifold communicating with the side openings of said passageways, said piston provided with a slot engaging over said manifold.

1,533,927. MULTIPLE-SPAN BRIDGE. CARL G. EMIL LARSSON, Plainfield, N. J. Filed Feb. 7, 1923. Serial No. 617,547. 4 Claims. (Cl. 14—7.)

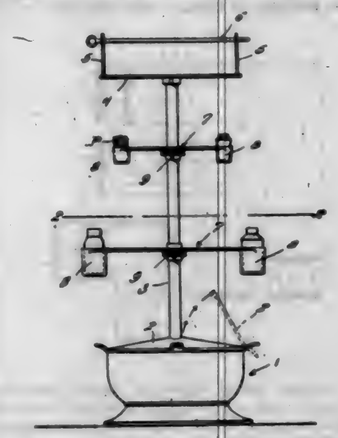


2. A bridge comprising a plurality of sections supported on piers, the length of the sections and the spacing of the piers being such that a cantilever portion of one section supports a simple span portion of an adjacent section which rests on a pier, the length of the cantilever portions each being substantially one sixth of the length of the section.

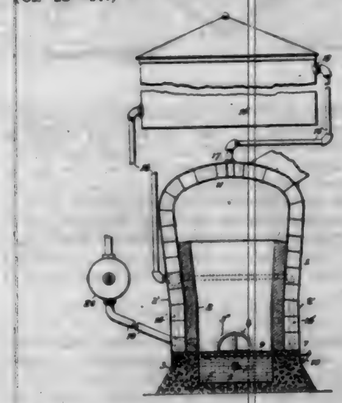
1,533,928. TABLE ARTICLE. GEORGE LECOPOULOS, Chicopee Falls, Mass. Filed June 16, 1924. Serial No. 720,268. 1 Claim. (Cl. 65—55.)

A table article supporting device of the class described comprising a bowl having a base to rest upon the table, said bowl having its top closed by a plurality of individual cover sections, a vertically disposed standard rising from the center of the bottom of the bowl, and extending above said cover section, a horizontal article supporting plate mounted upon the top of said standard, retaining arms carried by said plate and projecting upwardly therefrom, being provided at their upper ends

with apertures, a pin removably inserted through said apertures, and vertically spaced superposed spiders rotatably mounted upon the intermediate portion of the standard between the plates and bowl, the uppermost spider being comparatively small, all of the arms of the spiders being provided at their outer ends with cups.



1,533,929. GAS PRODUCER. JAMES HARRY LEMMON, Milltown, Ind., assignor to Louisville Cement Company, Louisville, Ky., a Corporation of Kentucky. Filed June 3, 1919. Serial No. 301,549. 2 Claims. (Cl. 48—67.)



1. A gas producer comprising a base having an upwardly extending wall, a fire wall extending upwardly from the wall of the base and spaced from the outer edge thereto to form a seat, a grate mounted in the base within the upwardly extending wall thereof, a water jacket surrounding the fire wall with its lower end resting upon the seat of the base wall, said water jacket extending above the upper end of the fire wall and over the top thereof, and means for circulating water through the water jacket.

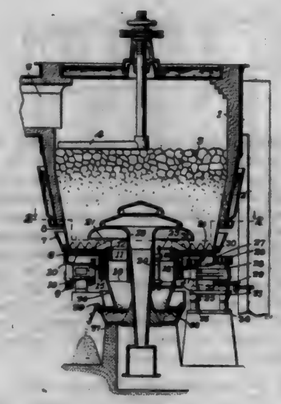
1,533,930. VARIABLE INDUCTANCE. CLARENCE LINDSL, Maybee, Mich. Filed Mar. 24, 1923. Serial No. 627,414. 3 Claims. (Cl. 171—242.)

1. In a radio receiving apparatus, an inductance consisting of a cylindrical core having enameled wire wound thereon spirally, the outermost surfaces of the successive convolutions being freed from insulation, and a slide



contact consisting of a clip straddling the edge of the core and slidable transversely and circumferentially of said convolutions.

1,533,931. GAS PRODUCER. CHARLES W. LUMMIS, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 15, 1920. Serial No. 365,990. 21 Claims. (Cl. 48—66.)



12. In a gas producer, a rotating ash support, a rotating blast distributor, and means responsive to relative rotation between said parts for procuring the movement of ashes inwardly on said support.

1,533,932. PROCESS FOR THE PREPARATION AND REACTIVATION OF METALLIC CATALYSTS USED IN THE HYDROGENATION OF OILS AND LIKE SUBSTANCES. ERNEST JOSEPH LUSH, London, England, assignor to Technical Research Works Limited, London, England. Filed Mar. 10, 1924. Serial No. 698,287. 4 Claims. (Cl. 23—236.)

4. In the process of hydrogenation of oils and like substances wherein the material to be hydrogenated is passed through a vessel charged with an activated catalytic metallic mass subjecting said mass, when its activity is impaired through use and after removal of the residue of the hydrogennted product, to the action of a compound containing hypochlorite acid ions for the oxidation of the metallic surfaces which are afterwards washed and reduced in hydrogen for the purpose of reactivating same.

1,533,933. GEAR WHEEL. THEODORE AUGUSTUS LUEBKE, Pittsburg, Kans. Filed Apr. 8, 1924. Serial No. 705,100. 4 Claims. (Cl. 74—41.)



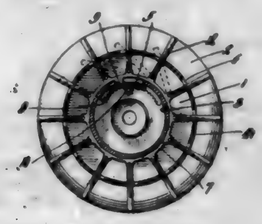
1. In a gear wheel, a felly having a plurality of spaced, transverse grooves, a removable tooth adapted to be arranged on the felly of the wheel, said tooth being provided with a rib on the base thereof adapted to fit in one of said grooves, a collar formed on the end of said rib, the side of said gear wheel being provided with a recess adapted to receive said collar, and fastening means adapted to engage the opposite end of said rib.

1,533,934. IMPLEMENT FOR USE IN HAND BRICKWORK. CARL THEODORE LUTS, Dresden-Gruna, Germany. Filed Sept. 11, 1922. Serial No. 587,543. 2 Claims. (Cl. 294—62.)



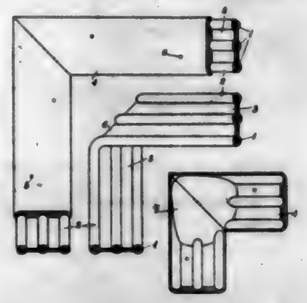
1. An implement for use in erecting brick work comprising a plurality of arms having claws on one end adapted for engagement with the end walls of a brick, a pivot secured across a pair of said arms and having connection with the inner end of another arm and said other arm extending from the pivot for engagement with the opposite end of a brick, said pivot being located near the claw ends of the pair of arms and the inner ends of said pair of arms extending beyond the pivot and above said other arm to form a handle for binding the claws against the opposite ends of a brick and for facilitating the releasing of one end of the implement after the brick is in place.

1,533,935. NONSKID WHEEL. ARCHY ANGUS MCISAAC, Inverness, Nova Scotia, Canada. Filed Apr. 1, 1924. Serial No. 703,511. 8 Claims. (Cl. 301—49.)



4. In combination, a wheel, an inner rim fixed to the wheel, an outer rim fixed to the wheel, said outer rim provided with a plurality of slots, said inner rim provided with a single slot, a ring rotatable about the inner rim and provided with a semicircular rack disposed within the inner rim extending through the slot thereof, a pinion, a shaft for rotation of said pinion, said pinion meshing with said rack, a plurality of rods pivoted to the ring and passing through the slots of the outer rim.

1,533,936. SURFACE WIRING FOR ELECTRICITY-DISTRIBUTING SYSTEMS. THOMAS H. MARTIN-HARVEY, Bickley, England. Filed Mar. 28, 1923. Serial No. 628,389. 3 Claims. (Cl. 247—1.)



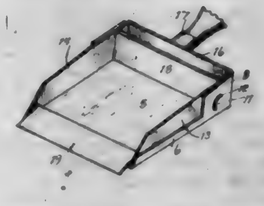
1. In a surface wiring system, a ribbed cable doubled over at corners, and a covering strip shaped conformably to the cable hollowed out at corners to accommodate the increased thickness formed by doubling the cable.

1,533,937. REFLECTING DEVICE FOR AUTOMOBILES. SÁNDOR MÓGOR, West Detroit, Mich. Filed Oct. 16, 1923. Serial No. 668,919. 4 Claims. (Cl. 88—67.)



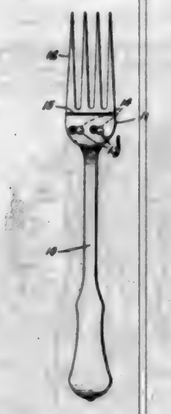
1. A reflecting device for automobiles comprising a body bar, tubes carried by the body bar and formed in part by the same and spaced apart lengthwise of the body bar, a mirror frame carried by the body bar at one side thereof and arranged between the inner opposed ends of the said tubes, mirrors carried by said frame and arranged between the inner opposed ends of the tubes and disposed at obtuse angles to each other, and a canopy carried by the body bar and overhanging the mirror frame and mirrors and the inner ends of the said tubes.

1,533,938. DUSTPAN. LINDLEY W. MOORE, San Francisco, Calif. Filed May 24, 1924. Serial No. 715,682. 2 Claims. (Cl. 65—20.)



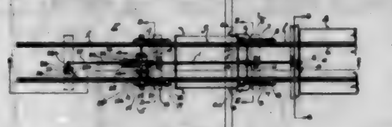
1. In a dust pan, a base having upturned sides, extensions formed on said sides, a U-shaped frame adapted to be pivotally secured to said extensions of said sides, the forward extremities of said U-shaped frame being connected by an inclined portion, and means for latching said base to said inclined portion.

1,533,939. SANITARY FORK. GEORGE NICOT and CONSTANCE GRENOUILLOU, West Palm Beach, Fla. Filed Mar. 14, 1924. Serial No. 699,244. 1 Claim. (Cl. 30—5.)



A fork including separable sections, one section constituting a handle slightly curved at one end, headed studs projecting from said end, the other section including a body portion and a plurality of tines projecting from one edge thereof, said body portion being offset with relation to said tines and curved to correspond to the curvature of said end of the handle, said body portion having key hole slots arranged transversely of the body and adapted to receive the headed studs whereby said sections are detachably connected together, and a shoulder arranged between the body portion and said tines and adapted to engage the adjacent end of the handle when the parts are associated, thereby affording the fork strength and rigidity.

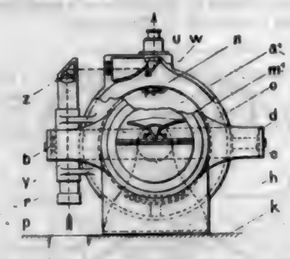
1,533,940. FEEDER AND SCALES. JAMES A. NOLAN, Bowerston, Ohio. Filed Oct. 3, 1924. Serial No. 741,436. 17 Claims. (Cl. 214—85.)



1. In car handling means, in combination with a dump provided with car receiving means, and an approach track leading to the dump, inner stops mounted on the approach track, outer trip holding stops mounted on the track beyond said inner stops, means for closing the inner stops as the dump moves into dumping position and opening said inner stops as the dump returns to loading position, means for opening the outer trip holding stops as the inner stops are closed, and means for closing said outer stops independently of the inner stops and after a car has passed between the outer trip holding stops toward the inner stops.

1,533,941. GYROSCOPIC APPARATUS HAVING A MEANS FOR INDICATING THE INCLINED POSITION OF AN AIRSHIP OR THE LIKE. WOLFGANG OTTO, Neumuhlen, near Kiel, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro," 's Gravenhage, Netherlands. Filed Oct. 25, 1924. Serial No. 745,756. 8 Claims. (Cl. 33—1.)

1. An apparatus of the type described comprising a gyroscope, a casing therefor having a reference line thereon, a liquid container for said casing, a support, a Cardan mounting connecting said container to said support, an eye-piece and an object lens mounted on said container, a prism system interposed between the eye-piece and the object lens, the eye-piece and prism system being arranged so that both the reference line on the gyroscope casing and any objects vertically below the support are visible through the eye-piece.

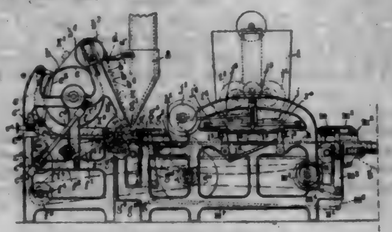


1,533,942. REENFORCED METAL SUPPORTING STICK. JOHN E. PARRISH, Richmond, Va. Filed Apr. 29, 1924. Serial No. 709,843. 3 Claims. (Cl. 131—21.)



1. A reenforced metal supporting stick, comprising an integral piece of metal substantially U-shaped in cross section, the same being corrugated longitudinally and transversely, a central longitudinal ridge pressed therein, a plurality of alternately disposed lateral extending arms at the opposite sides of said central ridge and inwardly extending notches provided with serrated edges formed between adjacent arms.

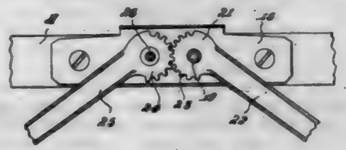
1,533,943. MECHANISM FOR FEEDING AND CONVEYING OPEN RECEPTACLES SUCH AS TINS. WILLIAM EDWARD PRESCOTT, Harlesden, London, and JOHN EDWARD POINTON, Peterborough, England, assignors to Joseph Baker, Sons and Perkins Limited, London, England, a Corporation of Great Britain. Filed Sept. 27, 1920. Serial No. 413,225. 5 Claims. (Cl. 198—29.)



1. In mechanism for feeding and conveying open receptacles, the combination of a hopper to receive the receptacles, a conveyor movable in said hopper, devices on said conveyor adapted to engage and carry along said receptacle, a revolving drum, around part of the periphery of which the receptacles are conveyed by the conveyor, and by which the conveyor is moved to a position

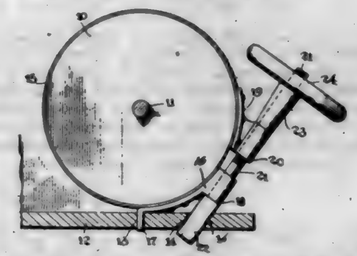
to discharge the receptacles with their open ends directed upwardly, and means adjacent the upper part of the hopper for causing receptacles to present their open ends to the carrying devices on the conveyor around the drum, or return said receptacles to the hopper.

1,533,944. WINDOW OR WINDSHIELD CLEANER. JOSEPH S. PROWENSE, Kansas City, Mo., assignor of one-half to Isadore Agron, Kansas City, Mo. Filed Apr. 11, 1924. Serial No. 705,880. 1 Claim. (Cl. 15—251.)



In a device of the character described, attaching brackets adapted for engagement upon a window frame, a shaft journaled through the brackets and through the frame and equipped with a crank handle, a pair of toggle arms located at opposite sides of the glass, two opposite ones of said arms being secured upon said shaft and having a segmental gear connection with the adjacent arms, a second pair of arms pivotally connected with the outer ends of said first named arms and arranged in converging relation with their adjacent ends geared together, and squeegee strips carried by the ends of said last named arms.

1,533,945. BRAKE-BAND CONTROL. CHARLES R. RECKART, Brady, W. Va. Filed Feb. 23, 1924. Serial No. 694,658. 2 Claims. (Cl. 188—77.)



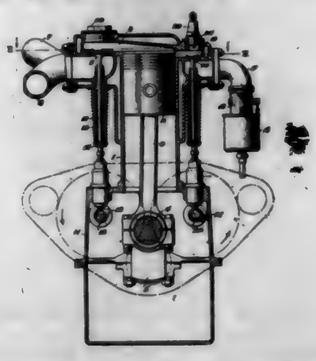
1. In a device of the class described, a support having a guide opening of other form than round and a socket, a flexible brake band adapted to encompass a brake drum, a stop lug extending from said band for engaging in said socket, apertured lugs extending respectively from said band at the ends thereof, a bolt engaging through said apertured lugs with a portion threaded and a portion of other form than round to engage the guide opening of the support and held from rotation thereby, and a nut element engaging the threaded portion of the bolt.

1,533,946. PISTON RING. CHARLES BENJAMIN REDRUP, Leeds, England, assignor to Percy Reginald Greenwood, London, England, and Frank Mitchell, London, England. Filed Apr. 14, 1924. Serial No. 706,571. 2 Claims. (Cl. 74—109.)



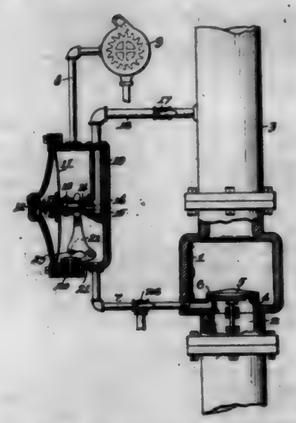
1. A piston ring comprising in combination an outer ring, a gapped inner concentric ring the ends of which are spaced from each other, spring means arranged in the gap of substantially the same thickness of the inner ring and forming a continuation of the curvature thereof and aligning with the inner periphery thereof, and laterally disposed retention means on the outer ring and located within the gap for preventing displacement of the spring means.

1,533,947. CONSTANT-COMPRESSION INTERNAL-COMBUSTION ENGINE. ANDREW L. RIKER, Fairfield, Conn. Filed Apr. 8, 1921. Serial No. 459,807. 3 Claims. (Cl. 123—75.)



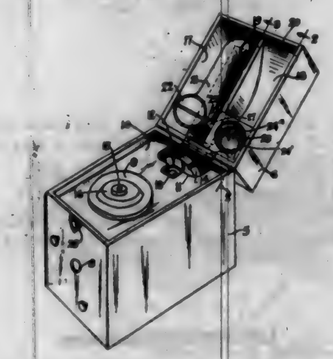
1. An internal-combustion engine, comprising a cylinder affording a compression-end and provided with a valve-controlled exhaust-outlet, a piston reciprocable within said cylinder, a separate ignition-pocket provided with suitable ignition-means and having a valve-controlled inlet for admitting fuel-mixture, a valve-controlled cold-air inlet leading into one side of said compression-end, and a restricted port leading from said pocket into said compression-end at the side diametrically opposite to said cold-air inlet.

1,533,948. ALARM-CONTROLLING DEVICE FOR SPRINKLER SYSTEMS AND THE LIKE. GEORGE I. ROCKWOOD, Worcester, Mass. Filed Mar. 4, 1922. Serial No. 541,229. 4 Claims. (Cl. 169—23.)



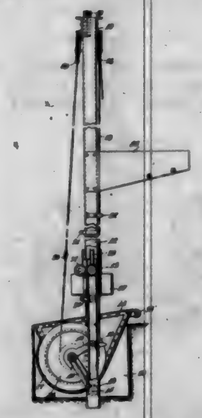
1. In a system of the class described, the combination with a supply pipe, a distributing pipe, a check valve for admitting water from said supply pipe to said distributing pipe, a valve seat for said valve, said seat having an opening therein, and means communicating with said opening and adapted to deliver water to an alarm or signal device to operate the same, of a valve adapted to be controlled by the water discharged through said communicating means for admitting water to the alarm or signal device directly from the distributing pipe.

1,533,949. PORTABLE PHONOGRAPH. SOLOMON SACHS, New York, N. Y. Filed Feb. 26, 1924. Serial No. 695,277. 4 Claims. (Cl. 274—2.)



2. A portable phonograph having a cover therefor, a partition forming two compartments in said cover, a tone board in one of said compartments constituting with said compartment an amplifying chamber, a tone arm support on said amplifying chamber, means for releasably securing the tone arm in the other compartment, the tone arm having means at one end thereof for engaging said support when the phonograph is being used, said means engaging said securing means in the other compartment when the phonograph is not being used so that the tone arm may be stored therein and the cover closed.

1,533,950. MIXING PROCESS AND APPARATUS THEREFOR. VICTOR H. SCHLICH, Southofen, Germany, assignor to Otto S. Schlich, New York, N. Y. Filed Aug. 18, 1921. Serial No. 493,409. 14 Claims. (Cl. 83—73.)



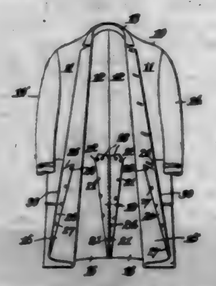
1. A process for preparing a cementitious mixture which includes the placing of suitable ingredients into a receptacle, simultaneously elevating said receptacle and stirring the contents automatically at an intermittently increasing speed.

1,533,951. HOSE SUPPORTER. BERNARD P. BERGER, San Francisco, Calif. Filed Oct. 19, 1922. Serial No. 595,588. 5 Claims. (Cl. 241—6.)



1. A hose supporter comprising a rubber suction cup, a leg encircling band attached to the outside of the cup at opposite points within its marginal edge whereby the cup may be held against the leg for suctional functioning thereagainst, and a hose engaging strap suspended from the outer closed side of the cup.

1,533,952. CONVERTIBLE GARMENT. EDWARD M. SHAPRAN, Brooklyn, N. Y. Filed Apr. 7, 1923. Serial No. 630,626. 1 Claim. (Cl. 2—86.)



In a new article of manufacture, a coat having front parts and back sections, elongated substantially V-shaped pieces attached to the front parts along their lower portions and being vertically attached along one of its long edges to the vertical marginal edges of the parts, elongated substantially V-shaped pieces attached to each of said back sections along their lower portions and being vertically attached along one of its long edges to the vertical marginal edges of the sections, fastening means carried by the free edges of the pieces on the back sections, fastening means carried by the free edge of each of the pieces on the front parts and coacting with the fastening means on the back sections for the obtainment of a skirt or trouser leg portions for the article.

1,533,953. ANIMAL-RESTRAINING DEVICE. GURNEY L. SMOOT, Angus, Minn. Filed Sept. 6, 1924. Serial No. 736,331. 3 Claims. (Cl. 119—127.)

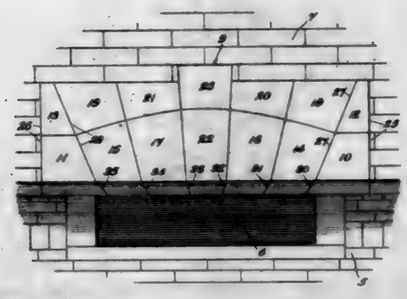
1. An animal restraining device comprising a rigid guard plate of a substantially U-shape in cross section arranged to partially encircle the leg of the animal at

the joint thereof, straps arranged to extend across the open side of the guard plate above and below the joint, means adjustably connecting the straps to one side of



the guard, and means carried by the other side of the guard for forcibly and synchronously bringing the straps into binding contact with the leg of the animal.

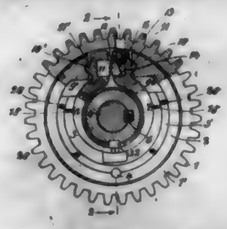
1,533,954. PORT RELIEF ARCH. HUGH H. SKILES, Fairmont, W. Va. Filed May 8, 1923. Serial No. 637,509. 6 Claims. (Cl. 49—54.)



6. In a glass furnace, a side wall provided with a port opening adjacent its upper edge; an arched crown supported by said wall; and a combined port and relief arch in said crown bridging said opening, one surface of which constitutes the upper wall of said port, said arch comprising a plurality of blocks tapered in two directions, whereby they will resist both lateral and vertical pressures.

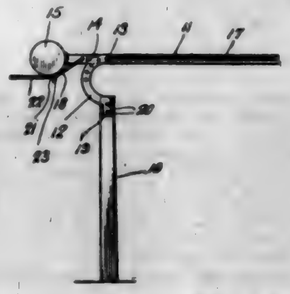
1,533,955. FRICTION CLUTCH. FRITZ TANDEL, Chemnitz, Germany, assignor to the Firm C. G. Haubold, A. G., Chemnitz, Saxony, Germany, a Corporation of Germany. Filed Aug. 20, 1923. Serial No. 658,368. 2 Claims. (Cl. 192—77.)

1. In a clutch, two rotatable members, a friction member adapted for frictional engagement with one of said members and rotatable with the other of said members, a pair of rockers adapted to force said friction member into frictional engagement, one of said rockers having a recess near one end thereof, a shoe mounted in said recess to move in the plane of said rockers bearing on the other rocker and formed with an inclined face



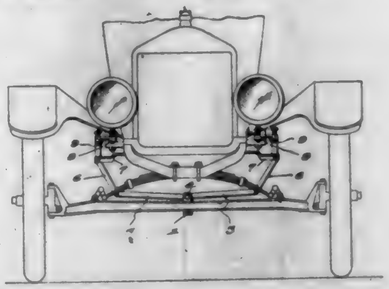
opposite its bearing face, a member in said recess having an inclined face engaging the inclined face of said shoe, and means for adjusting said member.

1,533,956. MAIL BOX. CURTIS THORNTON, Versailles, Ind. Filed Apr. 5, 1924. Serial No. 704,474. 2 Claims. (Cl. 232—40.)



1. In combination, a post including a stationary section, curved arms rising above said section, a movable section mounted on said arms for both pivotal and sliding movements, a mail box carried by one end of the movable section, teeth formed on said curved arms and a yoke carried by the movable section and adapted to engage said teeth to normally support said section in parallelism with the fixed section.

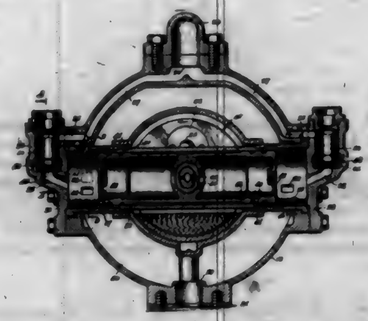
1,533,957. MOVABLE HEADLIGHT. WILLIAM C. TOOMEY, Harrisburg, Pa. Filed June 16, 1923. Serial No. 645,903. 1 Claim. (Cl. 240—62.)



In a motor vehicle, a horizontal supporting bar for each lamp thereof, each bar having a depending part at one end for engaging the hole formally occupied by the lamp standard, a substantially T-shaped bracket fastened to each side of the vehicle frame adjacent the front thereof, a lever pivoted intermediate its ends to each bracket,

a link connecting the forward end of each lever with the forward end of each lamp supporting bar, a clamp carried by the cross bar of the steering mechanism of the vehicle, an arm connecting the rear end of each lever with said clamp and springs at the pivotal points of the members.

1,533,958. AIR COMPRESSOR. CHARLES M. TURSKY, New York, N. Y. Filed Apr. 23, 1924. Serial No. 708,515. 4 Claims. (Cl. 230—34.)



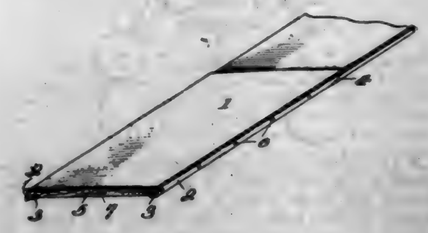
1. An air compressor, comprising end cylinders, a cylindrical valve turnable relatively to said cylinders, a piston in said valve, actuating means to give reciprocating movement to the piston in said valve and to give turning movement jointly to the piston and valve, and means to alternatively admit air to said valve and to permit escape of the air at both ends of the valve with the reciprocation of the piston.

1,533,959. ELECTRIC SOLDERING DEVICE. EMIL WAGNER, Loveland, Colo. Filed Oct. 31, 1922. Serial No. 598,224. 4 Claims. (Cl. 218—26.)



1. An electric soldering iron comprising a tubular shank, a handle at one end thereof, a soldering point removably secured to the opposite end of the handle and provided with a socket, an electric heating element within said socket and engaging the soldering point, means for yieldingly holding the element in engaged position, means whereby current may be conducted to said element to heat the soldering point, a switch for controlling the supply of current and means included in the current conducting means for resisting the travel of heat from the heating element to the handle.

1,533,960. FORM FOR CONCRETE CONSTRUCTION. HEWITT WELLS, Washington, D. C., assignor to Washington Steel Form Company, Washington, D. C., a Corporation of the District of Columbia. Filed July 18, 1923. Serial No. 652,232. 4 Claims. (Cl. 25—131.5.)



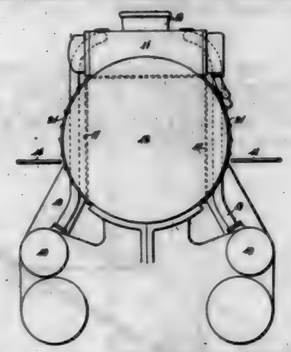
1. A form for concrete construction comprising a metal plate having its sides bent downwardly and then inwardly, a portion of each side being cut away near one end to permit overlapping with the next adjacent form, and a series of transversely arranged braces fitted between said downwardly extending sides and means for permanently fastening the braces in position.

1,533,961. LEVEL AND PLUMB. ROBERT ZIEGLER, Chicago, Ill. Filed Dec. 27, 1921. Serial No. 525,000. 1 Claim. (Cl. 33—215.)



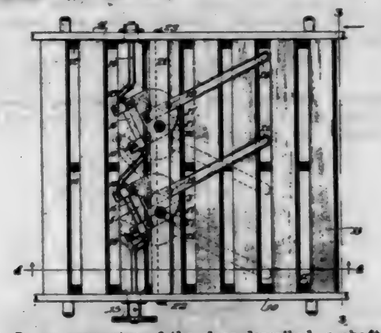
A tool of the class described comprising a stock having a recess therein and a window in its upper edge communicating with the recess, side plates connected with the stock and arranged at the ends of the recess, each plate having an upwardly extending narrow part, a shaft having its ends carried by said narrow parts, a hollow circular member rotatably supported by said shaft, said member having curved slots in the lower part of its ends a weight arranged in said member, bolts passing through the slots and engaging the weight for adjustably connecting the weight to the member, transparent members connected with the stock and closing the ends of the recess, indicating marks on the circumference of the circular member and adapted to appear through the window, indicating marks on the ends of the circular member adapted to appear through the transparent members, ring members held in the ends of the recess and having graduations thereon for cooperating with the marks on the ends of the member.

1,533,962. LOCOMOTIVE CONSTRUCTION. AUGUSTINE R. AYERS, Cleveland, Ohio. Filed Apr. 7, 1924. Serial No. 704,866. 7 Claims. (Cl. 105—37.)



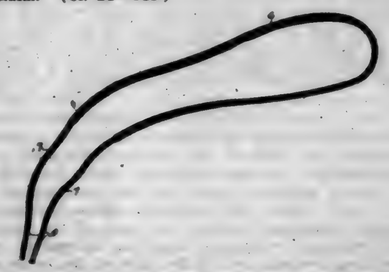
3. In a steam locomotive construction including steam chests, a feed water heater, a smoke box and pipes connecting said steam chests to said heater, veritcally extending recesses formed in the sides of said smoke box adaptde to receive said pipes, and covers for closing the open sides of said recesses.

1,533,963. DISTRIBUTOR ATTACHMENT TO THRASHING MACHINES. AUGUST BERGGREN, Eagle Bend, Minn. Filed Dec. 11, 1924. Serial No. 755,818. 6 Claims. (Cl. 130—22.)



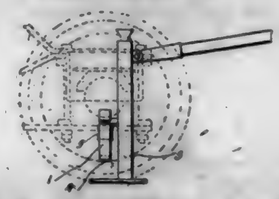
4. In an apparatus of the class described, a shaft having a crank directed obliquely to the longitudinal axis thereof, a bar rotative relative to said crank, a stationary support, a rod movable at one end through said support and movably coupled at the other end to said bar, and a spring between said bar and support.

1,533,964. SHOE LACE. MEYER BERMAN, New York, N. Y. Filed Nov. 2, 1923. Serial No. 672,430. 1 Claim. (Cl. 24—148.)



A shoe lace comprising an intermediate elastic portion and non-elastic extremities, the length of the intermediate elastic portion being sufficient to coact only with the lace engaging elements of the shoe, and the non-elastic ends extending beyond the lace engaging elements to afford a non-elastic tying portion.

1,533,965. JOURNAL-BOX LIFT. BERT BRANNEN, Keyser, W. Va. Filed Sept. 15, 1923. Serial No. 662,907. 2 Claims. (Cl. 254—33.)



1. A journal box lift consisting of a rigid elongated lifting bar, said lifting bar being operable as a lever of the second class and adjacent one end having substantially transversely disposed knife-edge fulcrum means engageable with the inner surface of a car wheel flange to anchor the lifting bar against displacement, said lifting bar extending outwardly beyond an engaged journal box and upwardly with respect to its fulcrum end to facilitate lifting.

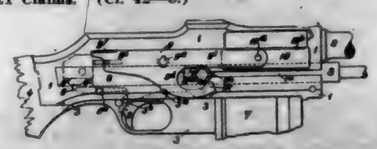
1,533,966. AUTOMATIC RIFLE. JOHN M. BROWNING, Ogden, Utah. Filed Dec. 6, 1922. Serial No. 605,229. 14 Claims. (Cl. 42—3.)



1. In an automatic firearm, the combination of a frame having a magazine-receiving seat therein, a cartridge magazine insertable in said seat and having a spring-actuated follower, a latch for releasably locking said magazine in said frame, an action-slide mounted for longitudinal reciprocatory movement in said frame, and means movable into the path of said action-slide by said follower after said magazine has become empty, said means having an operative connection with said latch and being movable, when engaged by said action-slide on the counter-recoil of the same after the firing of the last cartridge taken from said magazine, for operating said latch to release the magazine.

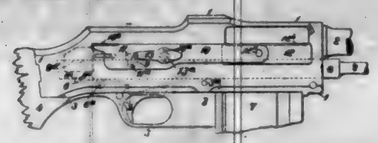
9. In an automatic firearm, the combination of a frame having a magazine-receiving seat, a cartridge magazine normally positioned in said seat, means for releasably locking said magazine in said seat, and means comprising an action-slide and a stop therefor for automatically moving said locking means to release said magazine after the same has become empty, and means operative after such release for automatically ejecting said magazine.

1,533,967. AUTOMATIC RIFLE. JOHN M. BROWNING, Ogden, Utah. Filed Dec. 29, 1922. Serial No. 609,675. 21 Claims. (Cl. 42—3.)



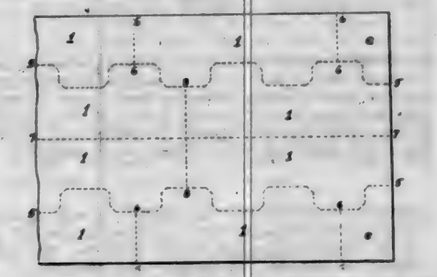
1. In an automatic firearm, the combination of a frame having an ejection-opening, a firing member, means for closing said opening, and means positively actuated in the closing of said opening to lock said firing member against firing movement.

1,533,968. AUTOMATIC RIFLE. JOHN M. BROWNING, Ogden, Utah. Filed Jan. 6, 1923. Serial No. 611,041. 12 Claims. (Cl. 42—3.)



1. In an automatic firearm, the combination of a frame having an ejection-opening, a firing member, and means for covering said ejection-opening and simultaneously locking said member against firing movement, said means comprising an element mounted for movement on the outside of said frame and having a projection extending into said frame for co-operation with said firing member to positively lock the same against firing movement while the ejection-opening is covered.

1,533,969. STRIP SHINGLE. LEON BUSHA, Minneapolis, Minn. Filed Feb. 11, 1924. Serial No. 692,157. 2 Claims. (Cl. 108—8.)



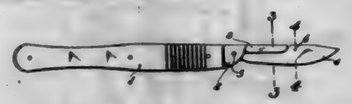
1. A strip shingle comprising a body portion and each shingle having a plurality of separated butts projecting from one edge thereof, the butts being connected with the body portion at the base by inclined lines, said butts also having vertical side edges, the ends of the butts being correspondingly shaped with adjacent separating spaces and the distance from the point where the outer inclined line of one butt joins the body portion to the end of the shingle being equal to the distance from the point where the outer inclined line of the other butt joins the body portion to the end of the shingle strip.

1,533,970. COVERING FOR TIRES. MILTON D. CAMPBELL and HORACE C. HEISEY, Cincinnati, Ohio, assignors to The Perkins-Campbell Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 15, 1923. Serial No. 625,254. 1 Claim. (Cl. 154—54.)



A tire cover comprising a linear piece of flexible material adapted to fit the cross sectional periphery of the tire casing, and to be wrapped lengthwise about the periphery of the tire, said cover having a clip shaped to engage over the casing, and secured at, at least, one end of the cover said end of the cover adapted to overlap the other end of the cover, for the purpose described, said clip being formed with tips which are curved outwardly from the body of the clip to engage the tire rim edge, with said tips so formed that when withdrawn from the edge of the rim, the ends thereof will not bite into the tire casing.

1,533,971. SURGICAL KNIFE. LUIGI CASTRACANE, New York, N. Y. Filed Aug. 13, 1924. Serial No. 731,828. 3 Claims. (Cl. 30—9.)



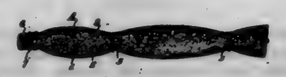
1. A surgical knife comprising a handle provided with a U-shaped end section merging into a socket section, said end section having one of its sides formed with an extension provided with a turned over reduced portion acting as a pin, and means extending through said socket section acting as a stop, and a flexible blade formed with a notch at one end and an aperture intermediate its length, said aperture being adapted to accommodate said pin and said notch being adapted to accommodate said stop when the blade is fitted into said socket section and U-shaped section.

1,533,972. CIRCUIT-BREAKING TERMINAL. GEORGE H. CLARK, Brooklyn, N. Y. Filed Feb. 15, 1924. Serial No. 693,045. 1 Claim. (Cl. 200—158.)



A circuit breaker comprising a body having a longitudinal throughbore, internally threaded bushing elements in said bore at the ends and spaced at their opposed ends, screws at the outer ends of the bushing elements and in threaded engagement therewith, said screws adapted to constitute binding posts for connecting up the circuit breaker, said body having a transverse longitudinal bore and a screw in said transverse bore adapted by turning movements to bridge the said bushing elements or to break the circuit between said elements.

1,533,973. QUILTED WATERPROOF PAD. SAMUEL COHEN and SAMUEL KILBERG, Brooklyn, N. Y. Filed Apr. 23, 1924. Serial No. 708,519. 1 Claim. (Cl. 5—91.)

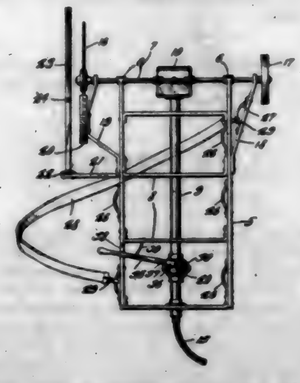


A bordered quilted water-proof pad which comprises a pair of spaced layers of fabric with a layer of padding therebetween, said three layers being quilted together, and a layer of rubber in the form of a coating upon and suitably incorporated with the outer face of one side of said quilted material, and over and covering the quilting thereof, whereby the pad at the coated side is waterproof throughout including the quilting stitches.

1,533,974. PORTABLE SAW. VERNON DAVIS, Franklinville, N. Y. Filed June 4, 1924. Serial No. 717,848. 3 Claims. (Cl. 30—11.)

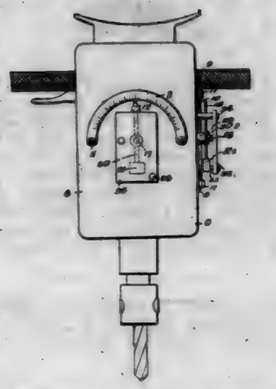
1. In a portable saw, a frame, means for supporting the same from the person, a shaft journaled in the frame, a bar carried thereby, a tubular casing extending longitudinally of the frame, a drive shaft arranged therein,

and adapted to be connected with a source of power, clutch elements arranged within the tubular casing, one of which being fixed to the shaft and the other being slidable thereon, a lever pivoted to the tubular casing



and having operative connection with the slidable clutch element, and means for locking the lever in a position to retain the movable clutch element in inoperative position.

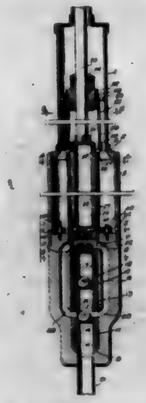
1,533,975. GAUGE OR LEVELING DEVICE FOR ELECTRIC OR OTHER DRILLS. CHARLES ALBERT DENE, Lambertville, N. J. Filed June 16, 1923. Serial No. 645,826. 2 Claims. (Cl. 33—207.)



1. A level indicator, comprising a weighted arm, a pointer means for pivotally mounting said weighted arm and pointer, and means for rigidly connecting said pointer to said arm, said means comprising a pin carried by the pointer adapted to be received in one of a plurality of openings formed in the weighted arm, and means for maintaining said pin in its opening.

1,533,976. OIL PUMP. ORIAN F. DEVOLLD, Bartlesville, Okla. Filed Apr. 24, 1923. Serial No. 634,360. 2 Claims. (Cl. 103—155.)

1. In an oil pump, an outer casing, a working barrel arranged in said casing, a piston mounted in said working barrel, a member secured to the lower end of said casing, said member being provided with a central passage reduced in size adjacent its lower end forming an inclined shoulder, a valve cage resting on said shoulder, a valve seat mounted on the top of said cage, a ball valve adapted to engage said seat, a second cage secured to said first cage and surrounding the said ball valve, a valve seat mounted on top of said second cage, an upper ball valve adapted to engage said seat, a cage secured to the upper end of said second cage and surrounding said upper ball valve, and a member secured



to the upper end of said last mentioned cage and closing the upper end of said central passage, said pump being provided with a passage extending from a point between said valve seats to said working barrel and being further provided with a second passage extending from a point above said upper ball valve to said outer casing.

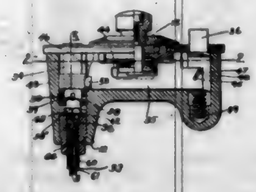
1,533,977. CARD-OILING MACHINE. SIDNEY MILTON DUNCAN, Chattanooga, Tenn., assignor of one-half to E. G. Alley, Chattanooga, Tenn. Filed Dec. 19, 1923. Serial No. 681,644. 15 Claims. (Cl. 19—153.)

9. Means for oiling the aprons of a carding machine comprising a stationarily mounted shaft detachably associated with the frame of the card, standards engaged upon and slidable with respect to said shaft, rollers rotatable and slidable upon the shaft and engaging the upper deck of card aprons, means for feeding oil to said rollers, means for moving the rollers transversely of the aprons, said means being driven by movement of the aprons, auxiliary supports connected with said standard, rollers journally associated with said auxiliary supports and engaging the lower deck of card aprons, and means for supplying oil to said second named rollers, said second named oil feeding means consisting of a perforated pipe located adjacent the second named rollers, a conducting plate disposed below said pipe and leading to the periphery of the roller, a reservoir for oil, a flexible hose leading from said reservoir, and connected with the oil feeding pipe, and guide means for the hose.

1,533,978. LOCK-CONTROLLED CUT-OFF. FREDERICK C. ECKELMAN, New York, N. Y. Filed July 23, 1923. Serial No. 653,334. 4 Claims. (Cl. 251—6.)

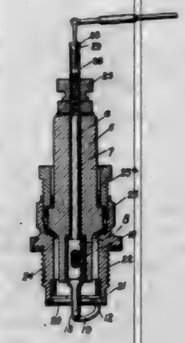
1. A lock cut-off for connection in a conduit to establish and disestablish the passage therethrough comprising locking means, cut-off means whose operation is governed by the operation of said locking means, and

cut-off operating means operable by virtue of the operation of said locking means, said cut-off operating means including a push button, a spring pressed latch laterally projecting from said push button, slotted means included in said locking means for receiving the latch to prevent movement of the push button, a second push button, a



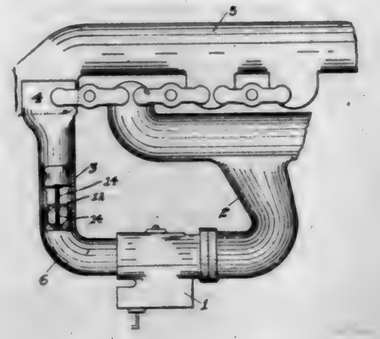
pin thereon and being movable in the slot to reciprocate said slotted means into or out of engagement with said latch, a spring actuated rack, teeth on a portion of said cut-off means which mesh with the teeth of said rack and encased in guided connection between said push button and said rack.

1,533,979. SPARK PLUG. FRANK MICHAEL EULER, Irvington, N. J. Filed June 6, 1919, Serial No. 302,095. Renewed Aug. 13, 1923. 2 Claims. (Cl. 123—169.)



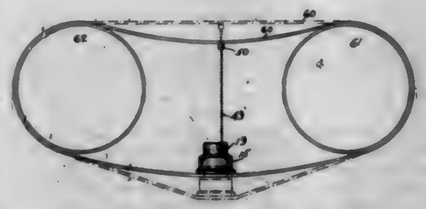
1. In a spark plug, a tubular shell, a central tube in said shell, insulating means spacing said central tube from the shell and terminating short of both the inner end of the shell and the inner end of the central tube, an annular space thus being produced between the inner end portions of the tubular shell and the central tube, said central tube being enlarged adjacent to its inner end, said enlargement terminating short of the inner end of the central tube and having a lateral opening, the outer end of the enlarged portion of the central tube defining a valve seat within the central tube, a valve movable within said enlargement, a spring within said enlargement urging said valve against said valve seat, and a screw threaded in the inner end portion of said central tube for adjusting the pressure on said spring and for closing said central tube inwardly of the lateral opening of said enlargement.

1,533,980. AIR-REGULATING ATTACHMENT FOR CARBURETORS. WRAY FALWELL, Fitchburg, Mass., assignor to Emerson W. Baker, Fitchburg, Mass. Filed Nov. 5, 1923. Serial No. 672,966. 2 Claims. (Cl. 251—144.)



1. As a new article of manufacture, an air-regulating attachment for a carburetor, comprising a double-acting yielding check member offering the same resistance to air in either direction insertible either end foremost in a vertical leg of the hot-air supply tube leading to said carburetor.

1,533,981. BELT-LENGTH CALCULATOR. GUSTAV RICHARD FICKERT, Hoboken, N. J. Filed Sept. 29, 1921. Serial No. 504,017. 9 Claims. (Cl. 33—140.)

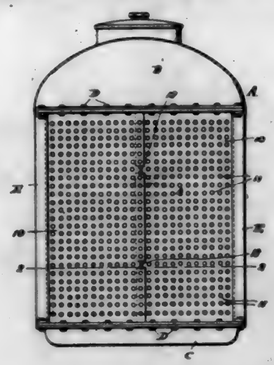


1. A belt length calculator, comprising a measuring member, a sectional casing constructed so that one section may be rotated relative to the other, said casing serving to carry the measuring member, cooperating scales carried by the sections of the casing, means for rotating one section of the casing relative to the other, and means for throwing the measuring member into engagement with said means for rotating one section of the casing relative to the other, to operate the sections by the withdrawal of the measuring member.

1,533,982. RADIATOR PROTECTOR. ALONZO A. FIRKINS, Rolfe, Iowa. Filed June 7, 1924. Serial No. 718,600. 1 Claim. (Cl. 180—68.)

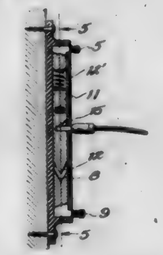
A radiator protector comprising a pair of apertured metal sheets disposable against the front of a radiator

with their outer edges engaged behind the radiator shell or frame and with their inner edges overlapping, and



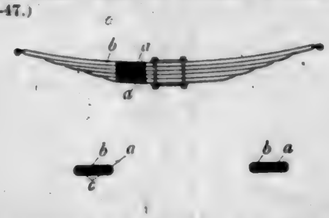
outstruck tongues on said overlapping edges engaging each other for preventing relative sliding movement of the sheets.

1,533,983. SAFETY DEVICE. JOHN HENRI FLAMM, Baltimore, Md. Filed Nov. 7, 1923. Serial No. 673,366. 1 Claim. (Cl. 200—2.)



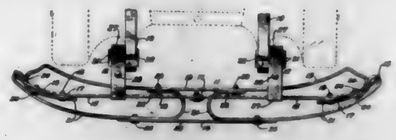
A switch comprising a stationary contact, a movable contact having a recess therein adapted to cooperate with said stationary contact, a second switch having a plurality of stationary contacts, a bar carrying a plurality of movable contacts adapted to cooperate with said stationary contacts, said bar being carried by but insulated from the movable contact of the first switch, a plug adapted to be connected to a translating device and adapted to engage said recess and operate said movable contact.

1,533,984. LAMINATED SPRING. HERBERT FROOD, Sovereign Mills, Chapel-en-le-Frith, England. Filed June 2, 1924. Serial No. 717,420. 4 Claims. (Cl. 267—47.)



1. In laminated or leaf springs, a covering for each leaf formed of non-metallic materials, and metallic reinforcing material within said covering.

1,533,985. BUMPER FOR MOTOR VEHICLES. ERNEST GALASSI, Brooklyn, N. Y. Filed Aug. 9, 1924. Serial No. 731,170. 6 Claims. (Cl. 293—55.)



1. A bumper including a relatively rigid section comprising a pair of vertically spaced members and a yieldable section disposed forward of said rigid section and supported thereby, means for limiting the inward movement of said yieldable section, said means embodying spaced vertical members connecting said vertically spaced members and attaching means carried by said relatively rigid section.

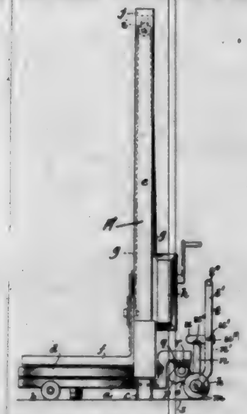
1,533,986. PERFORATING ATTACHMENT FOR PRINTING PRESSES. JEFFERSON FRANKLIN GENTRY, Cookeville, Tenn., assignor of one-sixth to Norman Massa and one-sixth to Arther M. Johnson, both of Cookeville, Tenn. Filed Mar. 29, 1924. Serial No. 702,898. 3 Claims. (Cl. 164—98.)



1. A perforating attachment for the purpose set forth comprising a stationary bed piece provided with a channel for the discharge of cuttings formed during the perforating operation, said channel permanently open at one end, said bed piece further provided with a plurality of openings communicating with said channel, a spring controlled carrier pivotally connected to one end of said bed piece and provided with a plurality of openings intermediate its ends and adapted to register with the openings in the bed piece, and a resiliently supported perforating device connected with said carrier, shiftably mounted therein and provided with a plurality of perforating elements operating through the registering openings of the carrier and bed piece, an attaching block connected to the lower end of the bed piece and a resilient clamp connected to the upper end of the bed piece, said clamp and block providing means for detachably connecting the bed piece to a platen.

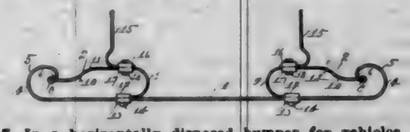
1,533,987. PORTABLE ELEVATOR. HENRY SHELDEN GERMOND, Jr., Bayonne, N. J. Filed Jan. 26, 1922. Serial No. 531,966. 4 Claims. (Cl. 280—46.)

1. An apparatus of the character described, including a truck-support therefor; and mechanism for alternately changing the latter from a readily-movable truck-support to a fixed, stationary truck-support; said mechanism including an operating pull-handle for drawing the apparatus from point to point along the floor, the pull-handle being mounted free to be moved out of loading-obstructing position; and means carried by the pull-handle for



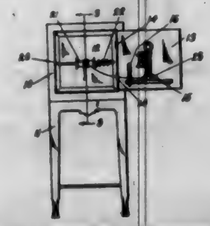
interlocking the pull-handle at will with other parts of said mechanism for the actuation of the same by the pull-handle to effect both the changes.

1,533,988. BUMPER FOR VEHICLES. ARTHUR M. GODWIN, Grand Rapids, Mich., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich., a Corporation of Michigan. Filed June 19, 1924. Serial No. 720,938. 8 Claims. (Cl. 293—55.)



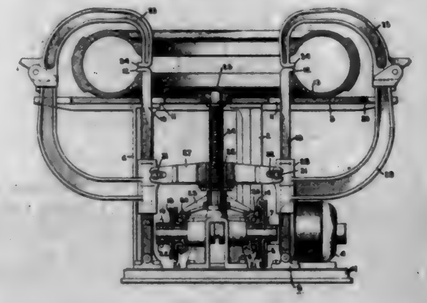
7. In a horizontally disposed bumper for vehicles extending transversely thereof; a spring impact element having an involuted end portion extending toward the vehicle; a second spring element connected adjacent its outer end to the impact element's said end portion; mounting means for the bumper connected to said second element remote from the point of its said connection to the impact element.

1,533,989. TELEPHONE CABINET. WILLIAM J. HAEHN, Jamestown, N. Y. Filed Mar. 24, 1923. Serial No. 627,331. 3 Claims. (Cl. 179—146.)



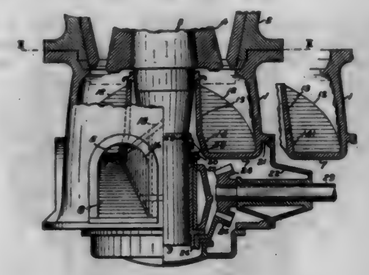
1. A cabinet for a telephone instrument provided with a flexible cord, said cabinet having a side opening door, a shelf on the inner face of said door on which the instrument rests when not in use and from which it is removed when in use and means acting upon the telephone cord and tending whenever the instrument is upon said shelf to close said door.

1,533,990. TIRE-OPENING MACHINE. WILLIAM C. HOUGH, Cuyahoga Falls, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Aug. 4, 1920. Serial No. 401,181. 1 Claim. (Cl. 154—9.)



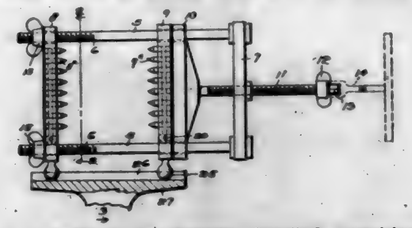
A machine for opening tire casings, having in combination, a table to support the tire casing, a set of arms arranged in a circle and extending through the table, means on the ends of said arm to engage one bead of the tire casing, sleeves slidably mounted on the said arms. A spider located within the arms the spokes of the spider being pivotally connected at their outer ends to the said sleeves. A screw threaded shaft extending through the hub of the spider, a gear upon the lower end of the said shaft, a horizontal shaft beneath gears freely mounted upon the drive shaft and adapted to mesh with said first named gear, manually operated means for connecting and disconnecting each of the said beveled gears with the drive shaft to elevate and lower the said spider, a second set of arms extending from the sleeve and encircling the table, and means on the ends of said last named arms to engage the other bead of the tire casing.

1,533,991. CRUSHER. ARTHUR J. JORGENSEN, Milwaukee, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Feb. 19, 1921. Serial No. 446,209. 9 Claims. (Cl. 83—10.)



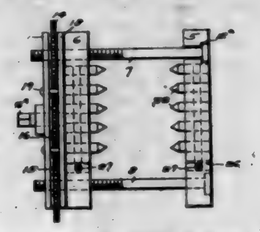
1. A crusher comprising a substantially cylindrical shell, means permitting reduction in the height of said shell including a pair of adjacent discharge openings and a diaphragm comprising a pipe-like portion through which the crusher shaft is adapted to pass and a pair of discharge chutes co-operating with said discharge openings, and means for further permitting reduction in the height of said shell including the provision of a conoidal base for said pipe-like portion.

1,533,992. AUTOMOBILE SPRING SPREADER. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Filed Feb. 26, 1924. Serial No. 695,209. 7 Claims. (Cl. 81—3.)



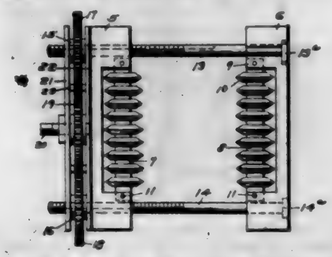
1. A device of the character described comprising a pair of rods, a plate supported thereon, a second plate slidable thereon, a transverse element connecting said rods, a manually operable screw working in said element, a follower movable along said rods under the influence of said screw and a plurality of wedges floatingly mounted in each of said plates.

1,533,993. SPRING SPREADER. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Filed Mar. 17, 1924. Serial No. 699,756. 8 Claims. (Cl. 81—3.)



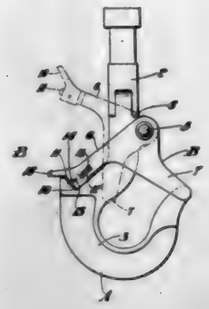
2. A device of the character described comprising a pair of wedge carrying blocks, threaded bolts held against turning with relation to one of said blocks, gear wheels having threaded parts engaged with said bolts and acting against the other of said blocks, a pinion engaged with both of said gear wheels and means carried by said pinion for the reception of an operating tool.

1,533,994. SPRING SPREADER. GOTTLIEB L. E. KLINGBEIL, Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Filed May 23, 1924. Serial No. 715,444. 10 Claims. (Cl. 81—3.)



6. A device of the character described comprising a supporting block, notched out at its opposite ends, a bar seated in said notched out portions and held in position therein by set screws and a plurality of wedges strung upon said bar, said bar and wedges being provided with interengaging means for holding the wedges against turning.

1,533,995. HOOK. PAUL LANG, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey, a Corporation of New Jersey. Filed Jan. 5, 1924. Serial No. 684,570. 2 Claims. (Cl. 24—241.)



1. The combination with a hoisting hook comprising a shank portion and a curved or hook shaped head portion, of a substantially V-shaped closure member pivotally connected at its apex to said shank for closing the space between the point or nose of said head and said shank, one of the arms of said V-shaped member operating as a closing arm and being adapted to close the space between said shank and the nose of said head, and the other of said arms being adapted to function as an operating arm or lever, said head being provided at its rear side with a suitable notch adapted to be be engaged by the end of said operating arm or lever when said closure arm is bridged across the space between said shank and the nose of said head, a yieldable spring pressed latch mounted in said operating arm and projecting through the end thereof and adapted to enter a suitable recess in the wall of said notch, and a projection adjacent the end of said operating arm adapted to form a hand hold to facilitate operation of said closure member.

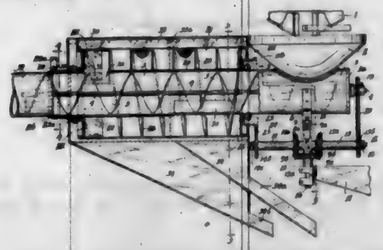
1,533,996. ARM BAND AND THE LIKE. EMIL A. OLSON, Plainville, Conn., assignor to The Humason Manufacturing Company, Forestville, Conn., a Corporation. Filed Aug. 4, 1921. Serial No. 489,872. 2 Claims. (Cl. 241—5.)



1. In a device of the character described, a coiled wire band having its ends extending in opposite directions, and a plate having an integral bridge receiving and clamping said ends against said plate.

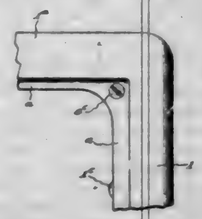
1,533,997. GRAIN-CLEANING ATTACHMENT FOR THRASHING MACHINES. HUGH B. STINSON, Glenwood, Minn., assignor of one-half to Elvan M. Voorhees, Peoria, Ill. Filed May 31, 1924. Serial No. 716,920. 11 Claims. (Cl. 130—16.)

1. The combination with the grain discharge conduit of a thrashing machine and the grain moving means therein, said conduit having an opening in its lower side adjacent its inner end and an opening in its upper side outwardly of said first mentioned opening, a screen beneath said conduit, means for progressing grain falling



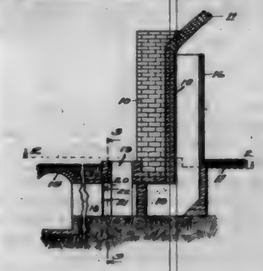
through said first mentioned opening along said screen, and means for raising grain so moved along said screen and dropping it into said last mentioned opening.

1,533,998. STOVE STRUCTURE. THOMAS E. TAYLOR, Mansfield, Ohio, assignor to The Tappan Stove Company, Mansfield, Ohio, a Corporation of Ohio. Filed May 26, 1924. Serial No. 715,859. 12 Claims. (Cl. 126—39.)



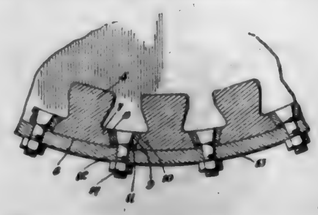
1. In a stove structure, the combination with a front frame and an oven structure extending therefrom, frame and oven connecting clamp members at the rear of said front frame, and concealed externally operable means for securing and adjusting said clamp members.

1,533,999. WASTE-HEAT COOLING SYSTEM FOR PERIODIC CLAY-BURNING KILNS. ROYAL L. ASH, Bucyrus, Ohio, assignor of one-half to Hans C. Pfund, Des Moines, Iowa. Filed Nov. 18, 1922. Serial No. 601,850. 5 Claims. (Cl. 25—132.)



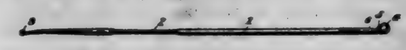
1. A waste heat cooling system comprising the combination of a kiln and a waste heat tunnel, with a flue arranged on the interior of the kiln, adjacent to the wall thereof, having its upper end open at the top of the kiln, a passage leading from the bottom of the flue to said tunnel, said passage having a port outside said kiln, a movable closure member in said passage between the port and the tunnel, and a false wall in the passage between the port and the flue.

1,534,000. BALL-MILL LINING. RAYMOND H. BAKER, New York, N. Y., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J., a Corporation of New Jersey. Filed Jan. 31, 1923. Serial No. 616,076. 2 Claims. (Cl. 83—9.)



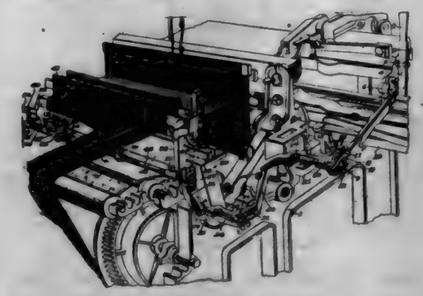
1. In combination with the shell of a grinding mill, separable lining elements of substantial keystone shape in cross section, the extended bases of which are arranged in contact with the shell, with the narrower portions of substantial depth and thickness, and means cooperating with the edges of adjacent bases for securing said linings in place, said means having wedging engagement with such bases and presenting substantial continuations of such bases when the parts are assembled.

1,534,001. STITCH AND NEEDLE GUARD. MARY E. BLACKMAN, Cheney, Wash. Filed Feb. 7, 1923. Serial No. 617,559. 2 Claims. (Cl. 66—17.)



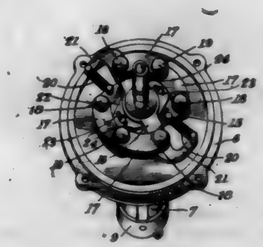
1. In a crochet needle, comprising a shank having a flat portion formed at one end, a spring loop formed integral with the extreme end of the flat portion and having the free end of the loop in engagement with the flat portion to prevent disengagement of the hook from a stitch positioned in an eye formed by the loop.

1,534,002. WARP STOP MECHANISM FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 10, 1924. Serial No. 748,855. 17 Claims. (Cl. 139—351.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires normally supported by the warp threads during weaving, a detector having a detecting movement and adapted to be arrested in that movement by a drop wire, and means rendered effective by the arrest of the detector movement to impart to the detector another movement to indicate the location of the warp fault.

1,534,003. IGNITER GOVERNOR. HAROLD POTTER DONLE and JAMES HENRY BARTHOLOMEW, Meriden, Conn., assignors to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 17, 1923. Serial No. 669,093. 11 Claims. (Cl. 264—18.)



8. In a device of the character described, a main driven shaft, a drive plate secured thereon, a cam shaft, a governor plate secured thereon, centrifugal governor mechanism connecting said two plates whereby, upon rotation of said shafts, said governor mechanism will be thrown outwardly and said shafts slightly rotated relatively to each other, and a spring connecting said plates for resisting relative rotation between said shafts, said spring being in such position when the shafts are at rest that the points of connection of said spring to said plates and the axis of said shafts lie in a substantially straight line, and when the shafts are relatively rotated a line through the points of connection of said spring to said plates will pass a substantial distance to one side of the axis of said shafts, and adjustable means for limiting the turning movement of the governor plate.

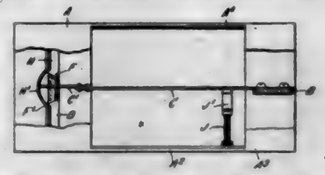
1,534,004. SECURING BRAKE-BEAM SUPPORT TO TRUCKS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,561. 14 Claims. (Cl. 188—218.)



5. The combination of a truck element provided with an opening, a supporting rail having spaced points of bearing on one side of the said element and provided with a loop or U-shaped portion intermediate said points of bearing and projecting through the opening in said element, and a pin passing through the portion of the projecting element from the opening and bearing on the truck element.

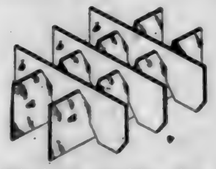
1,534,005. METHOD OF AND MEANS FOR AUTOMATIC CONTROL OF THE TEMPERATURE IN THE WATER JACKETS OF INTERNAL-COMBUSTION ENGINES. CYRIL FRANK PIZZEY, Woolwich, London, England. Filed Apr. 9, 1921. Serial No. 460,060. 5 Claims. (Cl. 123—178.)

3. A device for automatically controlling the temperature of water in the jacket of an internal combustion engine, comprising a casing fitted within the jacket outlet pipe, a bi-metal strip mounted in the casing, pins attached to the strip, an spindle mounted in bearings in the casing, said spindle having a curved slot longitudinally or axially arranged for a portion of the length of the slot to receive the pin, and a throttle valve



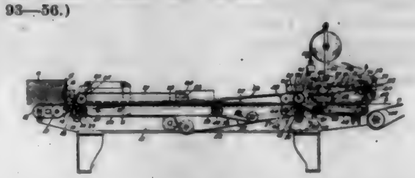
carried by the spindle, said valve having a dished portion at its center to enable the end of the bi-metal strip to surround the spindle.

1,534,006. BOX PARTITIONING AND METHOD OF MAKING THE SAME. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed July 2, 1921. Serial No. 482,033. 2 Claims. (Cl. 217—32.)



1. Box partitioning comprising two sets of strips crossing each other, each of said strips having notches formed in one edge only and a slit made without the removal of material communicating with the apex of each notch, the slits of each set frictionally engaging uncut portions of the other set, the said notches having such depth that prior to complete assembly the strips of the upper set may be temporarily supported in substantially vertical positions by the sides of the notches of the lower set.

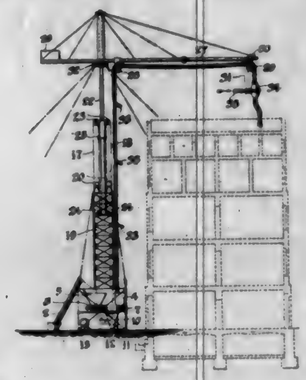
1,534,007. MACHINE FOR MAKING TAPED CARTONS. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Sept. 20, 1923. Serial No. 663,881. 16 Claims. (Cl. 93—56.)



1. A machine of the character described, comprising means for folding blanks and bringing the edges thereof into substantial abutting relationship, means for adhesively securing a piece of tape throughout its length to the adjoining edges of each folded blank, and means for causing the blanks to travel during the folding and tape-securing operations, said machine having means for ensuring a predetermined location of each piece of tape on a folded blank longitudinally thereof.

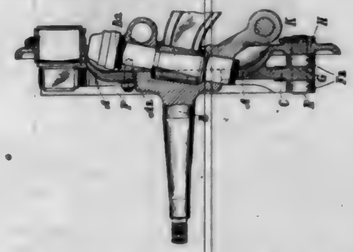
1,534,008. METHOD AND MACHINE FOR MIXING, CONVEYING, AND DISTRIBUTING CONCRETE, MORTAR, AND THE LIKE. ERNST BONGARDT, Mainz-on-the-Rhine, Germany. Filed Apr. 14, 1924. Serial No. 706,574. 5 Claims. (Cl. 83—73.)

1. A method of conveying hydraulic cement mixtures through pipes, which comprises intimately mixing concrete constituents with less than sufficient water to hydrate the mixture to produce a dustless, relatively dry mixture, forwarding the mixture by compressed air while maintaining the mass in rotation, enlarging the cross-section of the mass being forwarded, and finally



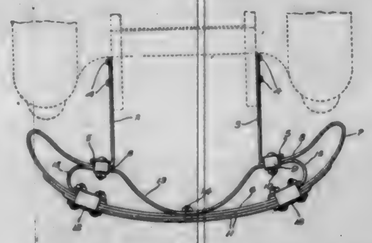
supplying the final quantity of water at the point of enlarged cross-section and contracting the so moistened mixture.

1,534,009. BRAKE FOR MOTOR VEHICLES. FREDERICK TASKER BURGESS, London, England, assignor of one-half to Bentley Motors Limited, London, England, a British Company. Filed Jan. 24, 1924. Serial No. 688,274. 4 Claims. (Cl. 188—78.)



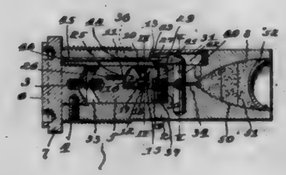
1. In a brake, the combination of an anchor plate, a web on said plate, a fulcrum on both sides of said web, and a shoe engaging both of said fulcra, substantially as set forth.

1,534,010. AUTOMOBILE BUMPER. ISRAEL FEINER, Brooklyn, N. Y. Filed June 7, 1924. Serial No. 718,620. 3 Claims. (Cl. 293—55.)



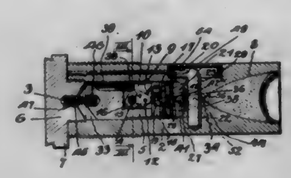
1. A bumper including supports capable of being secured to a vehicle, a body including a base strip having its ends bent with respect to the main portion of the strip, a brace having an intermediate portion and its ends secured to said body, and portions contiguous to said intermediate portion disposed adjacent the ends of said strip, and devices on the ends of the supports, each device comprising a single clamp for securing the support, one end of the strip and said brace together.

1,534,011. PERCUSSION FUSE. CHARLES P. WATSON, York, Pa. Filed Sept. 22, 1921. Serial No. 502,385. 36 Claims. (Cl. 102—39.)



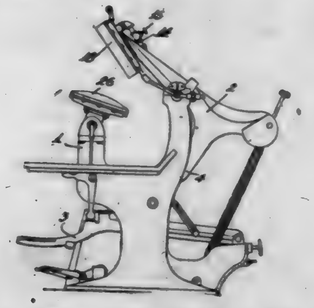
14. In a fuse, the combination of a hammer block, an oscillating pin supported transversely in the hammer block and carrying a firing point and also an eccentric weight, the latter adapted to be acted upon by centrifugal force due to the rotation of the fuse to move the firing point into armed position, a spring coiled about the oscillating pin and having one end connected with the hammer block, and a tension regulating device with which the other end of the spring is connected, supported by the oscillating pin and adjustable relative thereto whereby the tension of the spring may be varied, the spring being arranged to exert its force to hold the oscillating pin with the firing point in safety position.

1,534,012. PERCUSSION FUSE. CHARLES P. WATSON, York, Pa. Filed Aug. 27, 1923. Serial No. 659,623. 43 Claims. (Cl. 102—39.)



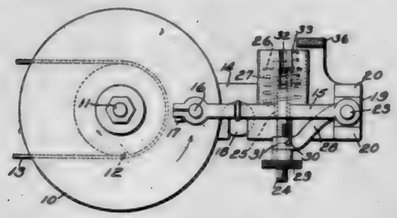
17. In a high explosive detonating fuse, a fuse body in which are formed chambers, one to receive the booster charge and the other to receive the primer and detonator, these chambers being separated by a partition wall through which is a channel of communication, an automatically operating barrier in the said channel arranged to intercept the same when the fuse is unarmed, a plug for the primer having screw-thread engagement with the fuse body, mechanism for firing the primer, and a plug carrying a detonator and delay powder trains, the carrier plug being adapted to freely move to its position against the partition wall separating the chambers of the fuse, and being held in place by the primer plug when the latter is screwed into position, the detonator and delay powder trains occupying, respectively, cavities in the carrier plug, and the powder trains being arranged to be simultaneously ignited by the flash from the primer and to simultaneously burn out and deliver their flames in a common locality to ignite the detonator.

1,534,013. PRESSER FORM. HERMAN EHRLICH, Chicago, Ill. Filed May 22, 1922. Serial No. 562,748. 2 Claims. (Cl. 68—9.)



2. In a clothes pressing machine, a buck, a presser form having radially extending and broken grids attached thereto with said grids contacting the surface of said buck, said presser form having a raised portion and adjacent depressed portion, a second raised portion of different design from the first raised portion which terminates in a sloping portion.

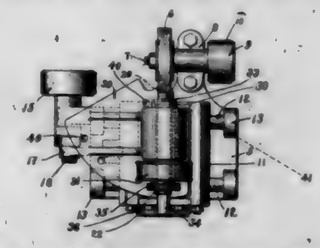
1,534,014. GRADING MACHINE. CHARLES E. GILLETT, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 22, 1919. Serial No. 332,518. 6 Claims. (Cl. 265—18.)



1. The method of grading an abrasive wheel comprising the steps of rotating the wheel at a fixed rate, causing a tool to bear against the wheel under a definite pressure and move along an extended path thereon and measuring a force which varies with and is produced by the friction between the wheel and the tool during such movement.

1,534,015. GRADING MACHINE. KASPER O. SWENSON, Worcester, Mass., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1920. Serial No. 367,005. 8 Claims. (Cl. 73—51.)

1. That improvement in the method of grading abrasive articles which includes the steps of relatively moving a tool and the article to produce an abrading action, forcing the tool into the article for a definite period and at a constant rate faster than that at which the article



can wear away the tool and comparing the amount of material removed from the article with similar tests on other abrasive articles of known cutting ability.

1,534,016. SOUND-PRODUCING DEVICE. JOHN P. NORTHEY, Toronto, Ontario, Canada. Filed June 5, 1922, Serial No. 566,099. Renewed Sept. 12, 1924. 11 Claims. (Cl. 116—147.)



6. A pneumatic sound producing device comprising a cylinder with sound producing orifices in its wall and an annular enlargement at one end provided with air ports; a cover for the cylinder; a hollow piston open at one end, having sound producing orifices adapted to co-operate with the sound producing orifices of the cylinder and provided with an enlargement remote from the open end, fitting the annular enlargement of the cylinder and ports in said enlargement co-operating with the cylinder ports to control the admission and exhaust of the air which effects the reciprocation of the piston, the piston adjacent its open end being slightly reduced in diameter and the cylinder correspondingly reduced in diameter and the parts proportioned so that when the piston and cylinder are being assembled the end of the piston enters the part of the cylinder of least diameter at or about the same time that the enlargement of the piston enters the annular enlargement of the cylinder; and a diaphragm, in said piston close to the innermost sound-producing orifices.

THE
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OF THE
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CONTENTS.

	Page.
ISSUE OF APRIL 21, 1925	523
INTERFERENCE NOTICES	523
NOTICE OF CANCELLATION	523
APPLICATIONS UNDER EXAMINATION	524
DECISIONS OF THE U. S. COURTS—	
Bernet, Craft & Kaufman Milling Co. v. Pussy Willow Company, Inc.	525
In re The Dolly Varden Chocolate Company	525
Ball & Roller Bearing Co. v. F. C. Sanford Mfg. Co.	526
PATENT SUITS	529
ADJUDICATED PATENTS	530
ADVERSE DECISIONS IN INTERFERENCE	530
TRADE-MARKS CANCELED	530
DISCLAIMER	530
CHANGES IN CLASSIFICATION	531
TRADE-MARKS PUBLISHED (383 APPLICATIONS)	566
TRADE-MARK REGISTRATIONS GRANTED	581
TRADE-MARK REGISTRATIONS RENEWED	583
REISSUES	585
DESIGNS	585
PATENTS GRANTED	595

Issue of April 21, 1925.

Trade-Marks	243—No.	197,444 to No.	197,811, inclusive.
T. M. Renewals	23		
Reissues	9—No.	16,044 to No.	16,052, inclusive.
Designs	80—No.	67,068 to No.	67,114, inclusive.
Patents	1066—No.	1,534,017 to No.	1,535,082, inclusive.
Total	1496		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Mar. 31, 1925.*

John M. Flottman, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by John M. Flottman, 160 Eddy Street, San Francisco, Calif., and applications for patents filed by Frank H. Burns, 57 Elm Street, Hoosick Falls, N. Y.; Joseph H. Cole, Penacook, Merrimack County, N. H.; Ralph A. Krause, 4936 North 12th Street, Philadelphia, Pa.; Thomas Rhodus, 835 Junior Terrace, Chicago, Ill.; Joseph A. Rostron, 18 Palmer Street, Cambridge, Mass., and William Charles Ude, 250 Thomas Street, West Haven, Conn., and a notice of such declaration sent by registered mail to said John M. Flottman at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Flottman, his assigns or legal representation of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 6, 1925.*

Stanley Clague, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Fred A. Smith, 1426 West Third Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered December 20, 1910, No. 80,410, to Stanley Clague, First National Bank Building, Chicago, Ill., and a notice of such declaration sent by registered mail to said Stanley Clague at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Stanley Clague, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

Mark Miller and Charles D. Miller, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Stockport Milling Co., Stockport, Ohio, and Butler County Milling Company, Poplar Bluff, Mo., for registrations of trade-marks and trade-mark registered November 20, 1894, No. 25,545, to Mark Miller and Charles D. Miller, Vassar, Mich., and a notice of such declaration sent by registered mail to said Mark Miller and Charles D. Miller at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mark Miller and Charles D. Miller, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

The American Radio Sales and Service Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Multiple Electric Products Company, Inc., 61 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 11, 1922, No. 156,611, to The American Radio Sales and Service Company, of Mansfield, Ohio, and a notice of such declaration sent by registered mail to The American Radio Sales and Service Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The American Radio Sales and Service Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1925.*

F. De Martino, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Frank J. Conjurske, 12 Cedar Street, Sturgeon Bay, Wis., to effect the cancellation of the trade-mark registration of F. De Martino, of 1027 Bridge Street, Altoona, Pa., No. 106,649, dated October 26, 1915, and the notice of such proceeding sent by registered mail to the said F. De Martino at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said F. De Martino, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business April 10, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 47,280; Trade-Mark Division, 2,262. Oldest new case, Oct. 11, 1924; oldest amended, Sept. 24, 1924. The dates given are 1924 except where † indicates 1925.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 20	Dec. 22	708
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 2	Dec. 16	496
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Mar. 12	†Jan. 5	197
234	4. MEERITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Dec. 16	Dec. 6	621
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Oct. 16	Nov. 8	967
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilisers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Nov. 17	Nov. 7	998
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 10	Dec. 10	1,059
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 11	Dec. 10	1,507
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 17	†Jan. 7	607
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Dec. 1	Dec. 18	998
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Jan. 26	†Jan. 22	730
330	12. PIERCE, F. P., Machine Elements	Dec. 15	Dec. 11	794
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 7	Dec. 3	1,174
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 1	†Jan. 13	342
220	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Dec. 4	Dec. 10	1,084
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Oct. 17	Oct. 31	1,128
307	17. RAFTER, G. S., Label Fasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 29	†Feb. 5	417
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Oct. 21	Oct. 21	902
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 8	†Feb. 5	558
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Nov. 19	Dec. 1	914
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Nov. 13	†Jan. 15	440
108	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Dec. 26	Dec. 31	552
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 6	Nov. 7	466
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Dec. 26	Dec. 27	611
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Jan. 20	†Jan. 27	692
226*	26. HODGES, J. E., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Oct. 14	Oct. 10	758
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 20	Dec. 27	781
225	28. BENSON, A. R., Internal-Combustion Engines	†Jan. 2	†Jan. 2	771
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 20	Oct. 20	1,080
348	30. SULLIVAN, M. B., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Dec. 17	†Jan. 23	977
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Jan. 12	†Jan. 16	922
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 10	Dec. 12	733
182	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Jan. 27	†Jan. 24	759
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 18	Dec. 17	626
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 3	†Jan. 10	695
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Dec. 5	Sept. 29	1,314
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Oct. 23	Oct. 23	1,277
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 13	Oct. 30	954
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 19	Dec. 22	467
260	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Oct. 28	Nov. 13	1,209
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Nov. 24	Dec. 31	548
222*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Oct. 20	Oct. 22	1,215
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Nov. 13	Nov. 15	914
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Oct. 22	Nov. 28	813
370	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Nov. 20	Nov. 28	701
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 25	Oct. 25	766
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Nov. 19	Nov. 19	1,430
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Oct. 11	Oct. 15	1,673
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 11	Dec. 20	758
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Oct. 11	Oct. 16	1,396
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Nov. 4	Oct. 29	2,183
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 12	†Jan. 17	543
113	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Oct. 23	Oct. 27	1,143
102	Designs: C. O. MARKHAM (Acting)	†Mar. 20	†Mar. 19	353
103	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. — Trade-Marks	†Mar. 11	†Mar. 28	1,978
	Labels and Prints	†Mar. 2	†Mar. 17	314

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

BERNET, CRAFT & KAUFFMAN MILLING CO. v. PUSSY WILLOW COMPANY, INC.

No. 1,881. Decided December 1, 1924.

1. TRADE-MARKS—OPPOSITION—USE OF OPPOSER'S CORPORATE NAME.

The registration of opposer's corporate name by the appellant company is prohibited by section 5 of the Trade-Mark Act of 1905.

Decision of Assistant Commissioner Fenning.

2. SAME—SAME—SAME—MOTION TO DISMISS BASED ON DISSIMILARITY IN GOODS.

Where the opposition was based not on similarity of goods, but on the allegation that applicant's mark consisted of the name of opposer, the registration of which is prohibited by statute, a motion to dismiss on the ground that applicant's goods were different from those sold by opposer was denied.

APPEAL from Patent Office. Affirmed.

Mr. Paul Bakewell and *Mr. H. A. Coombs* for Bernet, Craft & Kauffman Milling Co.

Mr. Hans V. Briesen for Pussy Willow Company, Inc.

PER CURIAM:

[1] This appeal is from the decision of the Commissioner of Patents in a trade-mark opposition, refusing registration to appellant company of a trade-mark for self-rising wheat flour. The mark consists of the words "Pussy Willow" accompanied by some sprays of pussy willow. The opposition is based entirely upon the use of opposer's corporate name, the registration of which is prohibited by section 5 of the Trade-Mark Act of 1905.

The decision of the Commissioner is affirmed on the authority of *The Asbestone Co.* v. *The Philip Carey Mfg. Co.*, 41 App. D. C. 507; 200 O. G. 857; 1914 C. D. 146.

The decision of Assistant Commissioner Fenning, rendered November 5, 1923, is as follows:

This is an appeal from the action of the Examiner of Interferences sustaining an opposition to the registration of a trade-mark for self-rising wheat flour consisting of "Pussy Willow" accompanied by some sprays of pussy willow.

[2] Applicant moved to dismiss on the ground that its goods were different from those sold by opposer; but since the opposition was based not on similarity of goods, but on the allegation that applicant's mark consisted of the name of opposer, the registration of which is prohibited by section 5 of the Trade-Mark Act, the motion to dismiss was denied.

Applicant refused on the record to answer, and judgment pro confesso was entered sustaining the opposition. Applicant has filed here an elaborate interesting brief which in effect says that the present case is on all fours with *The Asbestone Co.* v. *The Philip Carey Manufacturing Co.*, 200 O. G. 857; 1914 C. D. 146; 41 App. D. C. 507; but that the decision of the court of appeals in that case was based upon a misinterpretation of the trade-mark statute. However that may be, this Office is dutifully obedient in following the decisions of the court of appeals. In view of the case cited it is clear that applicant's mark can not be registered in view of the opposition filed by Pussy Willow Company.

The decision of the Examiner of Interferences is affirmed.

Court of Appeals of the District of Columbia.

IN RE THE DOLLY VARDEN CHOCOLATE COMPANY.

No. 1,851. Decided December 1, 1924.

TRADE-MARKS—OFFICE OF—NONREGISTRABLE SIGNS OR FORMS OF WORDS.

A trade-mark may consist in any symbol or in any form of words; but as its office is to point out distinctively the origin or ownership of the articles to which it is affixed it follows that no sign or form of words can be appropriated as a valid trade-mark which, from the nature of the fact conveyed by its primary meaning, others may employ with equal right for the same purpose.

APPEAL from Patent Office. Affirmed.

Mr. W. F. Murray for The Dolly Varden Chocolate Co.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB and VAN ORSDEL, Associate Justices.

VAN ORSDEL, *J.*:

This appeal is from the decision of the Commissioner of Patents denying registration of the words "When Words Fail—Send" as a trade-mark for candy. The label accompanying the application bears the inscription "When Words Fail Send Dolly Varden Chocolates."

Registration was refused on the ground that the words do not constitute a technical trade-mark, since such a mark does not indicate origin or ownership of the article to which it is attached. Nor can it be appropriated by one person to the exclusion of another. In *Elgin National Watch Co.* v. *Illinois Watch Case Co.*, 94 O. G. 755; 1901 C. D. 273; 179 U. S. 665, 673, the court defined a trade-mark as—

a distinctive mark of authenticity, through which the products of particular manufacturers or the vendible commodities of particular merchants may be distinguished from those of others. It may consist in any symbol or in any form of words, but as its office is to point out distinctively the origin or ownership of the articles to which it is affixed, it follows that no sign or form of words can be appropriated as a valid trade-mark, which from the nature of the fact conveyed by its primary meaning, others may employ with equal truth, and with equal right, for the same purpose.

The mark here sought to be registered falls far short of "a distinctive mark of authenticity". It not only fails to meet the requirements of the above definition, but it falls within the ruling of the Patent Office in refusing registration in the following cases. "Not Right—Write—Will Make Right" as a trade-mark for sawmill, shingle mill, etc., *Ex parte Sumner Iron Works*, 147 O. G. 237; 1909 C. D. 171. "Good Candy—Nothing Else" as a trade-mark for candy. *Ex parte Chocolate Products Co.*, 142 MS. dec. 335. "Rim Wind" and "Rim Set" as trade-marks for clocks. *Ex parte Keyless Auto Clock Co.*, 309 O. G. 223; 1923 C. D. 25. This line of decision is sustained in *Smith* v. *Krouse*, 160 Fed. 270, where the words "Merrie Christmas" were held not to constitute a valid technical trade-mark for ribbon. In *Ault & Wiborg* v. *Cheshire*, 191 Fed. 741, the court held that complainant, in unfair competition, was not entitled to the exclusive use of the words "No-Wash-Up" as applied to a printing roller.

The decision of the Commissioner of Patents is affirmed.

U. S. Circuit Court of Appeals—Second Circuit.

BALL & ROLLER BEARING CO. *v.* F. C. SANFORD MFG. CO.

Decided February 18, 1924.

[297 Fed. Rep. 163.]

1. REISSUE—LACHES.
When used in respect of applications for reissue, laches means delay without excuse.

2. SAME—NARROWED CLAIMS—INTERVENING RIGHTS.
The doctrine of intervening rights is of doubtful application in litigation over a narrowed reissue, and where the disclosure was complete in the original specification and the reissued claims embodied the very language of an original claim which defined the essentials of the invention in language perhaps technically loose, but very plain, and defendant had warning from the reissue patentee before he had practiced the invention or spent a dollar, *Held* that the reissue was valid and the claim of intervening rights was denied.

3. INVENTION—UNRELIABLE MACHINE MADE SUCCESSFUL—NEW PRINCIPLE.
Where "centerless grinding," by which is meant grinding a roll, pin, or other cylindrical object without first centering the roll, was not unknown, but was unreliable, and H. attained success by applying and utilising a new principle of operation, *Held* that this involved invention.

4. ANTICIPATION—INADEQUATE REFERENCES.
A machine which was successful because of the application of a new principle of operation, *Held* not anticipated by a machine which lacked the essential feature of the invention or by one which was designed for a different purpose and could not produce the article produced by the successful machine.

5. DEDICATION TO THE PUBLIC—MATTER NOT CLAIMED IN PATENT.
Where after the grant of H.'s patent he presented an original application and obtained a patent for subject matter disclosed in the earlier patent, and no question of reissue, renewal, or amendment was involved, *Held* that the disclosure in his earlier patent, unaccompanied by any claim, constituted a dedication to the public of all other devices, combinations, and improvements apparent from the specification of that earlier patent, but not claimed.

6. INVENTION—MECHANICAL SKILL—WEAR STRIP.
Where the dominant feature of a patent is a wear strip consisting of a piece of material rectangular in cross section which can be turned four times and each side worn out in turn, *Held* that this is a device which would occur to any ordinary mechanic.

APPEAL from the District Court of the United States for the District of Connecticut.

Suit in equity by the Ball & Roller Bearing Company against the F. C. Sanford Manufacturing Company. Decree for defendant (280 Fed. 415) was affirmed on rehearing (291 Fed. 442), and plaintiff appeals. Reversed and remanded, with directions.

STATEMENT OF THE CASE.

Suit is for the infringement of three patents, all issued to L. R. Heim, viz, Reissue No. 15,085, for a "roll-grinding machine" (the original patent was 1,210,937, for which application was filed March 6, 1915, and patent granted January 2, 1917; application for reissue was filed September 8, 1920); No. 1,264,930, also for a "roll-grinding machine"; and No. 1,210,936, for a "feeding device for roll-grinding machines." The court below held that claims 1, 2, 4, 6–10, 12, 13, 15, 18, 19, 20, and 21 of reissued patent 15,085 were invalid in view of the prior art; also that claims 1 to 4 of 1,264,930 were invalid, and claims 2 to 6 of 1,210,936 were not infringed.

The "rolls" which are to be ground in the patentee's machine are commercially speaking roller bearings; i. e., usually small bodies of hard metal, commonly cylindrical in shape, and intended to afford a support as nearly frictionless as possible for revolving axes. As put by the trial court, the patents relate to means "by which roller bearings are manufactured in large quantities, rapidly, accurately and at a minimum cost, and all of these characteristics are to-day vitally essential to a successful manufacture."

The specification of the reissue asserts that the essentials of the patentee's roll-grinding machine are:

A grinding wheel having a relatively high surface speed, a carrier for the rolls to be operated upon, and a wheel moving in the opposite direction having a relatively low surface speed, the action of which is to cause constant and uniform rotation of the rolls while being operated upon at a much lower surface speed than the grinding wheel. This wheel I term the regulating wheel, for the reason that it regulates the speed at which the rolls rotate while being operated upon.

The specification further explains that, when the patentee speaks of his wheels moving "in opposite directions," he means that they so rotate as to their active portions—i. e., the parts actually at any given instant engaged in either grinding or regulating; and it is further stated that by the phrase "a machine of the character described" is meant a machine adapted "automatically to grind the surfaces of a succession of short rolls."

Of the numerous claims in suit, and disposed of as above noted, the twelfth is selected by plaintiff as typical of the invention in its most general aspect. It reads as follows:

A machine of the character described, comprising a grinding wheel adapted to be rotated at a relatively high speed, a regulating wheel adapted to be rotated in the opposite direction at a relatively low speed, a carrier for rolls between said wheels, means adapted to permit adjustment of said carrier toward and from the surface of one of said wheels, means adapted to permit adjustment of one of said wheels toward and from the other, whereby the distance between their operative surfaces is varied, means adapted to vary the angular relation of said carrier and of the path of the operative surface of said regulating wheel, and thereby vary the rate of feed of rolls upon said carrier, means adapted to guide a succession of rolls into a position on said carrier between said means, and means adapted to receive said rolls as they pass out of the grip of said wheels, and guide them away from the wheels, the acting parts of said wheels being substantially parallel.

The fourth claim of No. 1,264,930 relates to the mounting of the grinding and regulating wheels, to the end that there may be a relative yielding of the wheels when an object to be ground is introduced between them, united with means for limiting the amount of said movement or yield. It reads as follows:

A machine for grinding cylindrical or like blanks comprising a peripheral grinding wheel rotating at a relatively fast speed, a peripheral regulating wheel adjacent said grinding wheel, and rotating at a relatively low speed in the opposite direction, said wheels being relatively yieldingly mounted, spring-controlled means for forcing said wheels toward each other, a blank support, and means for limiting the movement of said wheels toward each other.

The application for this patent was filed July 13, 1917, patent issued on May 7, 1918. The application is an original; i. e., it is neither divisional nor renewed. No. 1,210,936—i. e., the feeding device patent—is based on an application filed contemporaneously with that now represented by reissue 15,085. The object is "to provide a simple, inexpensive, and durable feeding device especially adapted for use in connection with the type" or roll-grinding machines now represented by the above mentioned reissue. The sixth claim is thought fully to define the invention, and is as follows:

A roll-feeding device for grinding machines comprising a body, a carrier, and a removable wearing strip in the carrier having a plurality of wearing surfaces.

A discussion of the prior art and of the facts in the case will be found in the opinion. The appeal was taken by plaintiff.

Mr. Livingston Gifford, *Mr. Robert S. Blair*, and *Mr. William T. Knieszner* for the appellant.

Mr. William W. Dodge for the appellee.

Before HOUGH, MANTON, and MAYER, Circuit Judges.

HOUGH, *Cir. J.* (after stating the facts as above):

The suit being on three patents, it will be more convenient to consider them separately, first taking up Reissue 15,085.

[1] This is attacked, first, as to validity, and, second, by asserting intervening rights, as was successfully done in *Autopiano Co.* v. *American* (C. C. A.) 222 Fed. 276; 217 O. G. 1065. With the court below we are satisfied that this is a narrowed reissue, and that the patentee was not guilty of laches. When used in respect of applications for reissue, laches means delay without excuse; but enumerating valid excuses is merely dealing with facts—not creating precedents at law. It is enough therefore to point out that the facts at bar are quite within those in *Specialty Co.* v. *Ashcroft* (C. C. A.) 213 Fed. 35; *Maitland* v. *Goetz*, 86 Fed. 124; 29 C. C. A. 607; 85 O. G. 776, and *Vandenburgh* v. *Concrete*, 258 Fed. 143; 169 C. C. A. 138; 236 O. G. 743, very far within the Autopiano case, supra, and *Belber* v. *Seward* (C. C. A.) 279 Fed. 82; 304 O. G. 831, and do not at all resemble those in *Carpenter* v. *Searls*, 60 Fed. 82, 8 C. C. A. 476, and *Thomson-Houston* v. *Western Electric*, 158 Fed. 813; 86 C. C. A. 73.

[2] As for intervening rights, it is difficult to see how that doctrine can find place in litigation over a narrowed reissue, but in this case the disclosure was complete in the original specification, the reissued claims in suit embody the very language of the original seventeenth claim, that claim defined the essentials of Heim's invention in language perhaps technically loose, but very plain to a plain man, and defendant's president had personal warning from Heim before he had ground a roll, and, in so far as this record shows, before he had spent a dollar. We hold the reissue valid, and deny the claim of intervening rights.

The art to which this patent generically belongs is that of producing bodies having a circular transverse cross section, by grinding away irregularities and excrescences of raw material, and such material for this art is usually a cylindrical metal rod (however short) as drawn or forged. Specifically the machines of both parties, and of the patent in suit have to do with short and small hardened-steel objects, technically called "rolls"; something for which the demand has of late years greatly increased because of the friction developed by the increasingly rapid rotation of many kinds of wheels in common use—e. g., those of cycles or motors of many varieties.

These rolls have long been made by "centering" the work in a lathe, or mounting it on a chuck. This is applying to the production of small articles used in enormous quantities for machines comparatively inexpensive (e. g., motor cycles), the same slow and costly method used in making a shaft (e. g., for a steam propeller). To escape from this slow cost has been a recognized desideratum.

In reaching this goal, "centerless grinding" was not unknown before Heim, and that department of art was described, if not defined, by one of defendant's witnesses, thus: The machine is—

known as a centerless grinder, by which is meant that it will grind a roll, pin, or other cylindrical object without first centering the roll, or making it necessary to have the rolls revolve upon their centers, or supported from their centers.

To remove superfluous material from a round piece of metal, by pressing it against a revolving abrasive wheel, was and is obviously cheap and rapid, provided the object to be ground could be given a steady revolution, and machines with such a wheel, and a "work rest," or appliance that presented the object to be ground to the wheel, so that the wheel itself both ground it and caused it to rotate, were devised and used. For an illustration, see Grant, 1,106,803. These machines, though sometimes doing good work, were unreliable. The object to be ground, by a wheel doing several hundred if not thousand R. P. M., was apt to be shot out like a bullet, as numerous witnesses state. The machines of the patent and of defendant operate, as do all machines, in obedience to a mechanical or physical law, regarding which this court must rely on the testifying experts, who in this instance are happily not at variance.

We are thus informed that, if two juxtaposed disks are revolved, whether in lateral or peripheral juxtaposition, each possessing an abrasive surface, and the disks be so shaped and positioned relatively to each other that, when both are revolved, there be furnished parallel operative faces, separated by a space of which the width is the diameter to which a roll is to be ground, then, if one disk be revolved at a rate relatively much higher

than the other, and the parallel operative faces of the disks be traveling in opposite directions, when the roll to be ground is introduced between them, it follows that, if the predetermined (and controllable) path of travel between the operative faces is not radial, but across the radial lines of the slower moving disk, that disk will simultaneously cause the roll to revolve and advance across its own operative face, while the parallel face of the more rapidly moving one will grind the surface of the roll, which is thus presented to it by a comparatively slow, but regular, movement of rotation; and, finally, when the roll, having by the propulsive force of the slower wheel completed its travel across the operative parallel faces of both, comes to the end of the parallelism, the wider space produced by the beveling of the disks permits the now perfected cylinder or roll to drop by gravity only into the receptacle provided.

[3] Of course any machine, operating under this physical law, requires adjustments and appliances, regulating, e. g., the direction of revolution of the two disks when at work, and permitting some "give" between disks, as the roll is naturally slightly larger on entrance than on exit; but the principle is as stated, and the question in this case is whether anybody before Heim devised a method of utilizing this principle. Much less than being the first to utilize the principle would justify a patent, but on this record we state the query in its broadest form.

We pass infringement briefly, as it was disposed of below. There is nothing in the patent confining invention to ring wheels, or those peripherally juxtaposed; the principle applies to both, and there is no difference at all between producing nonradial travel of the roll by directing its path between wheels parallel in vertical planes, and tilting the slower or regulating wheel to produce the same result, when the juxtaposition is peripheral. Defendant has been vindicated below, not on noninfringement, not by a finding of anticipation, but by holding that in the light of the prior art, there was no invention in applying and utilizing the principle above stated. To this we are quite unable to consent.

The voluminous record at bar is the best (or worst) example recently presented to us of useless and misleading references to earlier patents and publications. It seems necessary to apply to patent litigation from time to time the maxim that one can not make omelettes of bad eggs—no matter how many are used. One good reference is better than 50 poor ones, and the 50 do not make the one any better. We decline to consider, as of any assistance, all references to single-wheel machines, because they do not and can not embody the principle stated. They can not do this, because it is a vital part thereof that there shall be a *regulating* disk or wheel; the work rest or other appliance which brought the roll into operative touch with the grinder did not even suggest that idea.

The case stands, as it did in the Patent Office, as an inquiry whether in the light of Lowman (British 12,190 of 1905) and French et al. (1,111,254) Heim showed invention as distinguished from mechanical skill. Lowman wished to clean and polish corks. Through a tube he fed between a sponge or brush disk slowly revolving in one direction and a wheel with a sandpaper face rapidly revolving in the other—the corks to be cleaned. The sandpaper wheel alone fed them along; the slow disk had no regulating power whatever, owing to construction. There was not, and could not be, any constant uniform rotation along a predetermined path, which is the feature of essential value in Heim's and defendant's machines.

[4] French in 1911 (when he filed application) undoubtedly had the idea of abrasive wheels beveled and oppositely rotating. But he expected both his wheels to grind, and both do. His purpose was not to grind rolls, but to remove from long rods "the relatively thin surface or skin of more or less uncertain density or homogeneity" left on rods or bars after rolling or drawing. His wheels had to oppositely rotate at differing speeds, because, if they did not, no action would follow and he arranged his wheels relatively to each other, not to do what these parties are doing, but to enable him to get grinding or polishing action on a rod which was fed through in guides, not propelled by a regulating wheel. The whole machine was designed diverso intuitu from that of Heim, and it was demonstrated by experiment at trial that it could not be made to produce rolls. That there was no anticipation by all this is, we think, admitted. *Topliff* v. *Topliff*, 145 U. S. 161; 12 Sup. Ct. 825; 36 L. Ed. 658; 59 O. G. 1257. The question remains whether it was no more than the work of a skilled mechanic to advance from the "grinding and polishing machine" of French et al. to the "roll-grinding machine" of Heim.

The question would be more difficult, if the principle of operation characterizing Heim and the defendant were even dimly present in French; but his inventive concept did not contain any thought either of producing their result or obtaining his result by and through a regulating wheel. The practical business comment on this invention is conclusive. The French machine was used and known, but it moved no one to try it for rolls; we see no reason why it should do so; and rolls continued to be made by the centering method, or on single-wheel machines, until Heim appeared.

The decree below is reversed as to this patent, and the claims in suit held valid and infringed.

[5] We now take up No. 1,264,930. This patent was applied for on July 13, 1917. It is admitted that the subject matter of the second and sixth claims (the only ones in suit) was disclosed in the specification filed March 6, 1915, for the original of Reissue 15,035. That original (1,210,937) was dated January 2, 1917, and no claim was made covering the subject matter of these claims in suit.

As matter of law we are of opinion that the disclosure unaccompanied by any claim in Heim's earlier patent constituted a dedication to the public of all other devices, combinations, and improvements

apparent from the specification of that earlier patent but not claimed. *Jewell Co.* v. *Jackson*, 140 Fed. 340; 72 C. C. A. 304. Cf. *Loraine, Etc., Co.* v. *General Electric*, 202 Fed. 215; 120 C. C. A. 615. Further, we incline to think as matter of fact that plaintiff had used the substance of this improvement in public for more than two years prior to filing application for this patent. We express no opinion as to whether the substance of the claims under consideration could have been inserted in the Reissue 15,035. The point at bar must be decided as it stands, viz: It presents an original application, and no question of reissue, renewal or amendment. As to this patent, the result below is affirmed.

The last patent in suit is No. 1,210,936. Plaintiff asserts that "the dominant feature of this patent is the wear strip," and infringement is said to exist because the defendant also uses a wear strip. Examination shows that the wear strip of plaintiff is a piece of material rectangular in cross section, whereas that of defendant is circular. When one side of defendant's strip is worn by the passage of the rolls, its life is prolonged by turning it over. In the model furnished, the plaintiff's strip can be turned four times, and each side worn out in turn. Defendant's circular wear strip can be rotated, so as to present any convenient unworn fragment of the circumference for use.

[6] We have carefully considered the scanty evidence on this subject, and are unable to avoid the conclusion that, given the theory of operation utilized by both parties at bar, the use of either a rectangular or circular wear strip is a device which would occur to any ordinary mechanic. We regard the machine as an invention of great ingenuity and almost primary importance, but in these wear-strips we can perceive no invention at all. As to this patent the result reached below is also affirmed.

The appellant, having been victorious in the major portion of this appeal, is allowed one-half costs in this court; the costs below are left to the discretion of the district court.

Decree reversed, and cause remanded, with directions to enter a new decree in conformity with this opinion.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

841,844, J. Bernet, Key-operated locking switch, appeal filed Jan. 26, 1925, C. C. A. (7th Cir.), Doc. 3539, *W. R. Coe* v. *Olum Mfg. Co. et al.*

882,517, Dwight & Lloyd, Process of treating ores; Re. 13,758, same, Calcining, desulfurizing, agglomerating, and sintering ores and like material; 1,102,982, A. S. Dwight, Apparatus for roasting and sintering ores; 1,254,316, same, Process of treating ores; 1,433,349, same, Process and apparatus for treating ores to sinter them; 1,433,350, same, Ore desulfurizing and sintering apparatus; 1,433,351, same, Process of treating ores to sinter them; 1,433,352, same, Apparatus for treating ores to sinter them, suit filed Feb. 27, 1925, D. C., M. D. Pa., Doc. 465, *Dwight & Lloyd Sintering Co., Inc.*, v. *Bethlehem Steel Co.* Same, suit filed Feb. 24, 1925, D. C., N. D. N. Y., Doc. 588, *Dwight & Lloyd Sintering Co., Inc.*, v. *Witherbee, Sherman & Co.* Same, suit filed Feb. 28, 1925, D. C. Md., Doc. E 784, *Dwight & Lloyd Sintering Co., Inc.*, v. *Beth-Mary Steel Corp. et al.* Same, suits filed Mar. 2, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1386, *Dwight & Lloyd Sintering Co., Inc.*, v. *The Struthers Furnace Co.* Same, Doc. 1387, *Dwight & Lloyd Sintering Co., Inc.*, v. *The Trumbull Clipp Furnace Co.* Same, suits filed Mar. 3, 1925, D. C., N. D. Ohio (E. Div), Doc. 1389, *Dwight & Lloyd Sintering Co., Inc.*, v. *The McKeefry Iron Co.* Same, Doc. 1390, *Dwight & Lloyd Sintering Co., Inc.*, v. *The Hanna Furnace Co.*

902,724, G. Giovanna, Apparatus for broiling meats and the like; 1,442,584, M. Schey, Spit support for rotisseries; 1,422,379, Same, Heating element, final decree sustaining patents, adjudging infringement and continuing an injunction, Feb. 25, 1925, D. C., S. D. N. Y., Doc. E 26/364, *M. Schey* v. *Luri & Cavaletto et al.*

947,384, 1,132,716, S. L. Hanson, Hay carrier, suit filed Feb. 21, 1925, D. C. Minn. (4th Div.), Doc. E 435, *S. L. Hanson* v. *Olson Mfg. Co.*

957,297, S. Ashdown, Means for removably attaching logs or the like to hauling tackle, suit filed Feb. 24, 1925, D. C., W. D. Wash. (N. Div.), Doc. 459, *S. Ashdown* v. *Puget Mill Co. et al.*

985,709, D. F. Shope, Method of waterproofing cement blocks; 1,270,450, same, Waterproofing and ornamenting objects; 1,306,977, same, Brickmaking machine, Patent 985,709 held not infringed (notice dated Feb. 21, 1925), D. C. Oreg., Doc. E 8661, *Shope Brick Co.* v. *Ward & Peterson.*

1,102,982. (See 882,517.)

1,120,900, A. P. Brush, Chassis frame for motor vehicle, appeal filed Feb. 18, 1925, C. C. A. (7th Cir.), Doc. 3551, *A. P. Brush* v. *Lexington-Chicago Co.*

1,128,171, R. E. Belknap, Anticreeper for rails; 1,243,688, same, Rail anchor, appeal filed Feb. 9, 1925, C. C. A. (7th Cir.), Doc. 3549, *Anchor Co.* v. *The P. & M. Co.*

1,132,716. (See 947,384.)

1,164,680. (See 1,309,433.)

1,243,688. (See 1,228,171.)

1,254,316. (See 882,517.)

1,270,450. (See 985,709.)

1,306,977. (See 985,709.)

1,309,379. (See 1,383,693.)

1,309,433, M. H. Detrick, Furnace arch; 1,164,680, H. Tanner, Fire brick, suit filed Feb. 23, 1925, D. C. Oreg., Doc. E 8722, *M. D. Detrick Co.* v. *Gordon & Finkbeiner.*

1,323,458. (See 1,391,670.)

1,346,337, R. C. Roark, Deodorizing material, decree of district court affirmed (notice dated Feb. 26, 1925), C. C. A. (7th Cir.), Doc. 3438, *U. S. Sanitary Specialties Co.* v. *West Disinfecting Co.*

1,352,705. (See 1,383,693.)

1,352,706. (See 1,383,693.)

1,380,382, H. S. Holmes, Grinding compound, suit filed Feb. 21, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1879, *The Pep Mfg. Co., Inc.*, v. *The Zip Mfg. Co. et al.*

1,383,693, 1,383,694, J. B. Bolton, Collar; 1,309,379, 1,352,705, 1,352,706, J. M. van Heusen, same, final consent decree sustaining patents, adjudging infringement, and granting injunction as to Patents 1,383,693 and 1,383,694; bill and supplemental bill dismissed for lack of infringement as to Patents 1,309,379 and 1,352,705; bill dismissed and patent invalid for lack of invention as to Patent 1,352,706, Feb. 24, 1925, D. C., S. D. N. Y., Doc. E 24/34, *J. M. van Heusen et al.* v. *Earl & Wilson.* Same, Doc. E 24/35, *J. M. van Heusen et al.* v. *Cluett, Peabody & Co., Inc.*

1,383,694. (See 1,383,693.)

1,391,670, H. S. Dills, Fish-bait manufacture; 1,323,458, same, Artificial bait or lure, appeal filed Jan. 29, 1925, C. C. A. (7th Cir.), Doc. 3540, *J. Heddon's Sons, Inc.*, v. *South Bend Bait Co.*

1,422,379. (See 902,724.)

1,433,349. (See 882,517.)

1,433,350. (See 882,517.)

1,433,351. (See 882,517.)

1,433,352. (See 882,517.)

1,442,584. (See 902,724.)

1,452,197, R. B. Gilchrist, Drink mixer; 1,475,197, S. J. Poplawski, Motor-driven mixer, decree in favor of plaintiff Jan. 29, 1925, D. C., E. D. Wis., Doc. 1400 C D, *The Gilchrist Co.* v. *Arnold Electric Co.*

1,475,197. (See 1,452,197.)

1,501,032, M. Abrahams, Acoustic horn, suit filed Feb. 27, 1925, D. C., S. D. N. Y., Doc. E 31/201, *M. Abrahams* v. *Spartan Electric Corp.*

Re. 13,758. (See 882,517.)

ADJUDICATED PATENTS.

(C. C. A. Ohio.) The Stranahan patent, No. 1,180,799, for spark plug, claims 1, 3, and 6 *Held* valid and infringed. *S. S. Kresge Co.* v. *Champion Spark Plug Co.*, 3 F. (2d) 415.

(D. C. Ohio.) The Emery and Bray patent, No. 1,193,884, for portable grinder for truing up cylinders, claim 5 *Held* void, as merely functional, and claim 6 *Held* valid, but not infringed. *Auto Hone Co.* v. *Hall Cylinder Hone Co.*, 3 F (2d) 479.

(C. C. A. W. Va.) The Bowman patent, No. 1,304,534, for improving cable splice, *Held* invalid. *American Mine Door Co.* v. *Newberry*, 3 F. (2d) 435.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,401,590, L. Del Turco, Divider for cementitious floors, decided February 18, 1925, claims 1 and 2.

Pat. 1,457,406, C. W. Stancliffe, Depth and specific-gravity measuring apparatus, decided April 3, 1925, claims 2 to 6, inclusive.

Pat. 1,515,007, A. S. Behrman, Base-exchange materials and process of making same, decided April 3, 1925, claims 11 to 15, inclusive.

TRADE-MARKS CANCELED.

54,988. Disinfectant, germicide, deodorizer, and insecticide. Wellsville Chemical Co., Wellsville, N. Y. Registered August 7, 1906. Canceled February 24, 1925.

103,415. Preparation in cream form to relieve constipation. Botanical Manufacturing Co., Wilmington, Del., and Philadelphia, Pa. Registered April 6, 1915. Canceled February 24, 1925.

152,198. Bacon, smoked belly, fresh pork sausage, Frankfurter-style sausages, Bologna sausages, and minced meat. Indianapolis Abattoir Company, Indianapolis, Ind. Registered February 21, 1922. Canceled February 24, 1925.

175,524. Silk, cotton, and wool piece goods and combinations thereof. Arthur Beir & Co. Inc., New York, N. Y. Registered November 6, 1923. Canceled March 7, 1925.

185,546. Antirheumatic analgesic, and antipyretic medicines. The Bayer Company, Inc., New York, N. Y. Registered June 17, 1924. Canceled February 24, 1925.

189,115. Wide elastic fabric suitable for making corsets, etc. Lawrence & Co., Poughkeepsie, N. Y. Registered September 9, 1924. Canceled February 24, 1925.

190,484. Base for ointments. P. Beiersdorf & Co., Inc., New York, N. Y. Registered October 14, 1924. Canceled March 7, 1925.

Disclaimer.

1,495,647.—*Stanley D. Robinson*, Hamilton, Ontario, Canada. COMBINATION PILOT LIGHT AND ILLUMINATING LIGHT FOR ELECTRIC RANGES. Patent dated May 27, 1924. Disclaimer filed April 2, 1925.

Hereby enters this disclaimer to the entire claim as set out in the said specification and claims.

Changes in Classification.

Order No. 2,902, March 30, 1925, provides:

In *class 273, Amusement Devices, Games* (Division 22), change the title of subclass 30, Tennis, Ping-pong, to read

Tennis
30 Table,

and in the definition thereof cancel the words "ping-pong or", and change the title of subclass 76, Bats, mallets, racquettes, cues, pins, slings, and Billies, Tennis, Ping-pong, to read

Bats, mallets, racquettes, cues, pins, slings, and billies
Tennis
76 Table,

and in the definition thereof cancel the words "or ping-pong."

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 21, 1925.

[VOL. 333. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 139,485. (CLASS 20. MEASURING AND SCIENTIFIC APPLIANCES.) TIMELY FILMS, INC., New York, N. Y. Filed Nov. 10, 1920.



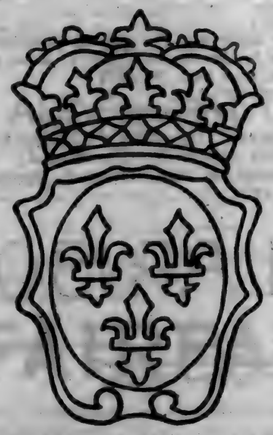
Particular description of goods.—Text Motion-Picture Films for Use by Motion-Picture Exhibitors.
Claims use since about April, 1920.

Ser. No. 174,995. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BENZ & CIE RHEINISCHE AUTOMOBIL- U. MOTOREN-FABRIK AKTIENGESELLSCHAFT, Mannheim, Germany. Filed Jan. 24, 1923.



Particular description of goods.—Motors—Namely, Internal-Combustion and Explosion Engines, Heat Engines, Gas Producers for All Kinds of Fuel for Use with Internal-Combustion and Explosion Engines; Parts and Accessories for Automobiles—Namely, Gas Producers, Exhaust Silencers, Lubricating Apparatus for Oil and Grease, Air Pumps, Ball Bearings, Pliers, Oil and Water Circulation Pumps, Jacks, Files.
Claims use since September, 1909.

Ser. No. 175,915. (CLASS 37. PAPER AND STATIONERY.) CAMILLE H. BOULIN, doing business as Canson & Montgolfier, New York, N. Y. Filed Feb. 12, 1923.



Trade-mark consists of a crown above a shield having fleur-de-lis in the field.
Particular description of goods.—Handmade Paper.
Claims use since Apr. 18, 1784.

Ser. No. 180,116. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed May 3, 1923.

SANAP

Particular description of goods.—Sanitary Napkins.
Claims use since May 1, 1922.

Ser. No. 181,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE T. PARR, St. Paul, Minn. Filed June 11, 1923.

Par-Pie

Particular description of goods.—Edible Ice-Cream Containers and Ice-Cream Confections Contained in Edible Containers.
Claims use since June 1, 1923.

Ser. No. 184,085. (CLASS 5. ADHESIVES.) DAVID BAIRD MACDONALD, Leicester, England. Filed Aug. 4, 1923.

KRUX

Particular description of goods.—Compositions for Use as Adhesives for Leather and Parts of Boots and Shoes.
Claims use since Sept. 10, 1912.

Ser. No. 186,144. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE LIVERPOOL BORAX CO. LTD., Liverpool, England. Filed Sept. 24, 1923.

CLARISOL

Particular description of goods.—Detergents in the Form of a Borate Washing Powder.
Claims use since Nov. 10, 1915.

Ser. No. 188,451. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TELOMETER MANUFACTURING COMPANY, INC., Binghamton, N. Y. Filed Nov. 16, 1923.

TELOMETER

No claim is made to the word "Telometer" apart from the mark shown in the drawing.
Particular description of goods.—Signals for Indicating Extremes of Temperature in Motor-Vehicle Radiators, Gasoline and Oil Level and Liquid Level in Batteries of Motor Vehicles.
Claims use since May 20, 1922.

Ser. No. 188,934. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SAFETY ELECTRIC PRODUCTS CO., Los Angeles, Calif. Filed Nov. 26, 1923.

SAFETY

The descriptive word "Safety" is disclaimed apart from the mark as shown in the drawing. The shaded lines in the drawing indicate a blue color.
Particular description of goods.—Electrical Goods for Use with Electrical Apparatus—Namely, Externally-Operated Electrical Switches, Switchboards, Panel Boards, Box Hangers, Cut-Out Cabinets, Pumping-Plant Panels, Exit Boxes, Sectional Wiring Trough, Motor-Lead Boxes, Reducing Washers, Tape.
Claims use since Oct. 1, 1923.

Ser. No. 189,285. (CLASS 15. OILS AND GREASES.) VULCAN OIL REFINING COMPANY, Coraopolis, Pa. Filed Dec. 5, 1923.



The drawing is lined to indicate the colors blue and orange.
Particular description of goods.—Gasoline, Kerosene, and Lubricating Oils and Greases.
Claims use since March, 1922.

Ser. No. 189,526. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAYLES FINISHING PLANTS, INC., Saylesville, R. I. Filed Dec. 11, 1923.

FINISHED AT SAYLES BLEACHERIES SAYLESVILLE R.I.

No claim is made to the exclusive use of the words "Finished at Saylesville, R. I." apart from the mark as shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use for over five years.

Ser. No. 190,091. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH A. CURTS, Detroit, Mich. Filed Dec. 26, 1923.

Love Bites
"EVERY BITE A DELIGHT"

No claim is made to the words "Every Bite a Delight" except in connection with the mark as shown on the drawing.
Particular description of goods.—Chocolate Candy Bars Filled with Peanuts.
Claims use since December, 1919.

Ser. No. 191,250. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ART WIRE AND STAMPING COMPANY, Arlington, N. J. Filed Jan. 25, 1924.

STA-LOCKT

Particular description of goods.—Gold-Plated and Gold-Filled Cuff Buttons.
Claims use since early in 1916.

Ser. No. 191,340. (CLASS 38. PRINTS AND PUBLICATIONS.) THE POLLOCK-DAVIS COMPANY, Cleveland, Ohio. Filed Jan. 26, 1924.

BUY-A-FORD

Particular description of goods.—A Monthly Publication.
Claims use since September, 1921.

Ser. No. 191,569. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE M. PROPP CO., New York, N. Y. Filed Jan. 31, 1924.

PROPP GLO-LITE

No claim is made to the exclusive use of the mark "Glo-Lite" apart from the mark shown on the drawing.
Particular description of goods.—Miniature-Electric-Light Clusters.
Claims use since about Jan. 1, 1924.

Ser. No. 191,570. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE M. PROPP CO., New York, N. Y. Filed Jan. 31, 1924.

ADA-S-OKET

Particular description of goods.—Electric Sockets.
Claims use since about Jan. 1, 1924.

Ser. No. 192,122. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HOFFMAN BROS., INC., New York, N. Y. Filed Feb. 11, 1924.

FAIRFAX

Particular description of goods.—Watches, Watch Movements, Watchcases, Clocks, and Parts Thereof.
Claims use since Feb. 1, 1924.

Ser. No. 192,168. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AUTOMATIC ELECTRICAL DEVICES COMPANY, Cincinnati, Ohio. Filed Feb. 12, 1924.

STAR
BATTERY CHARGER

No claim is made to the exclusive use of the words "Battery Charger" apart from the other features of the mark.
Particular description of goods.—Electrical Rectifiers.
Claims use since Jan. 2, 1924.

Ser. No. 192,486. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KENWORTHY GRAIN & MILLING CO., Tacoma, Wash. Filed Feb. 18, 1924.

Ken-Ko

Particular description of goods.—Cereals—Namely, Corn Meal, Rolled Oats, Poultry Feeds, Dairy Feed, Mill Feed, and Hard-Wheat Flour.
Claims use since Jan. 16, 1924.

Ser. No. 193,028. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURNDEPT LIMITED, London, England. Filed Feb. 29, 1924.

ETHOPHONE

Particular description of goods.—Wireless Apparatus—Namely, Complete Radio Receiving Sets, Vacuum Tubes, Vacuum-Tube Units, and Amplifiers.
Claims use since 1921.

Ser. No. 193,469. (CLASS 38. PRINTS AND PUBLICATIONS.) WALTER RAY MAXWELL, doing business as International Publishing Company, Chicago, Ill. Filed Mar. 8, 1924.

International ReferenceWork with Loose Leaf Revision Service

Applicant disclaims the right to the exclusive use of the words "Reference Work with Loose Leaf Revision Service" except in connection with the mark as shown.
Particular description of goods.—Encyclopedia with Loose-Leaf Revision Service.
Claims use since Mar. 17, 1923.

Ser. No. 193,838. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa. Filed Mar. 15, 1924.

KEYSTONE
Standard

No claim is made to the word "Standard" apart from the mark as shown in the drawing.
Particular description of goods.—Watches, Watch-cases, Watch Movements, and Parts Thereof.
Claims use since Jan. 29, 1924.

Ser. No. 194,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Filed Mar. 28, 1924.

MELLO-WHEAT

No claim is made to the word "Wheat" apart from the mark as shown on the drawing.
Particular description of goods.—Cereal Breakfast Foods.
Claims use since Mar. 6, 1913.

Ser. No. 195,575. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED E. F. WEIDNER, doing business as Fabrik medizinischer und kosmetischer Präparate Dr. Alfred E. F. Weidner, Berlin, Germany. Filed Apr. 15, 1924.

Hortiflor

Particular description of goods.—Albuminates, Albumoses, and Dissolutions of said Substances to be Employed for Hygienic Purposes, Especially as Cosmetics and Trichogenous Means, Disinfectants, Dentifrices, and Collutoria.
Claims use since May 18, 1920.

Ser. No. 195,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND WEIDNER, Berlin, Germany. Filed Apr. 15, 1924.

Silvikrin

Particular description of goods.—Albuminates, Albumoses, and Dissolutions of said Substances to be Employed for Hygienic Purposes, Especially as Cosmetics and Trichogenous Means, Disinfectants, Dentifrices, and Collutoria.
Claims use since May 10, 1922.

Ser. No. 196,338. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL ELECTRIC COMPANY, Schenectady, N. Y. Filed Apr. 30, 1924.



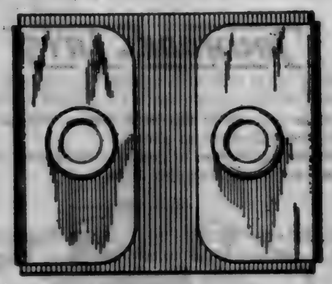
The trade-mark consists of the orange and blue border with white lines thereon shown in the drawing, wherein the color lines represent the colors orange and blue and the solid black lines represent white.
Particular description of goods.—Electrical Switches, Electrical Fuses, Electrical Insulating Compounds, Electrical Connecters, Electrical Circuit Boxes and Fittings, Electrical Wiring Conduits, Electrical Cut-Outs, Electrical Receptacles, Electrical Insulating Tape, Wire for Electrical Purposes, Electrical Sockets, Transformers, Storage-Battery Chargers, Christmas-Tree-Lighting Outfits, Armature Coils, Lightning Arresters, Telephone Plugs, Electric Soldering Irons, Electric Fans, Carbon Electrodes, Overhead Relay Bases, Electric Gluepots, Carbon Heater Lamps, Electrical Dashpots, Magnetic Interlocks, Rheostats, Electrical Compensators, Electrical Controller Segments, Electrical Relays, and Electric Motors.
Claims use since July, 1910.

Ser. No. 197,120. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALLEN-BRADLEY COMPANY, Milwaukee, Wis. Filed May 16, 1924.

Bradleyswitch

Particular description of goods.—Electrical Switches.
Claims use since Nov. 15, 1923.

Ser. No. 197,195. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES). DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y. Filed May 17, 1924.



The trade-mark consists of the color red arbitrarily placed on the face of the insulating material of radio condensers, no matter what the form of condenser; no claim made to the representation of the condenser. The lines of drawing indicate the color red.
Particular description of goods.—Electrical Condensers.
Claims use since on or about Jan. 15, 1924.

Ser. No. 197,556. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETER FOX SONS CO., Chicago, Ill. Filed May 24, 1924.

U-WANTHE BEST

Particular description of goods.—Dressed Poultry and Eggs.
Claims use since 1916.

Ser. No. 198,442. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ANSTED & BURK CO., Springfield, Ohio. Filed June 12, 1924.



Exclusive use of the representation of the sack is disclaimed. The mark consists of a stripe forming a panel open at the upper end and printed on the front and back of the containers in which the flour is shipped and is orange colored.
Particular description of goods.—Wheat Flour.
Claims use since Mar. 6, 1924.

Ser. No. 198,067. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) KENNETH B. NOBLE, doing business as Noble Manufacturing Company, Hartford, Conn. Filed June 16, 1924.

"TRUMODEL TOYS"

No claim is made to the word "Toys" except in connection with the mark as shown.

Particular description of goods.—Mechanical Toys.

Claims use since Mar. 14, 1924.

Ser. No. 200,078. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed July 16, 1924.



Applicant hereby disclaims any demand herein for protection upon the mere words "Finest Satin Tissue," "2500 Sheets 5 x 5¾," and "Albany, N. Y., U. S. A." apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since June 11, 1924.

Ser. No. 200,079. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed July 16, 1924.



Applicant hereby disclaims any demand herein for protection upon the words "Pure White Toilet" and "Albany, N. Y." apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since June 13, 1924.

Ser. No. 200,081. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed July 16, 1924.



Applicant hereby disclaims any demand herein for protection upon the mere words "1000 4½ x 5 Sheets" and "Albany, N. Y." apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since June 6, 1924.

Ser. No. 200,082. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed July 16, 1924.



Applicant hereby disclaims any demand herein for protection upon the mere words "Toilet Paper" and "Albany, N. Y." apart from the mark shown.

Particular description of goods.—Toilet Paper.

Claims use since June 9, 1924.

Ser. No. 201,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAVID J. MCCOMB, Santa Fe, N. Mex. Filed Aug. 6, 1924.



The descriptive words "Incomparable Fruits" appearing on the drawing are disclaimed apart from the other features of the mark.

Particular description of goods.—Fresh Deciduous and Small Fruit.

Claims use since June, 1922.

Ser. No. 201,117. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE UDELL WORKS, Indianapolis, Ind. Filed Aug. 7, 1924.

Empire

Particular description of goods.—Talking Machines.

Claims use since June, 1914.

Ser. No. 201,665. (CLASS 2. RECEPTACLES.) KALIX CUP COMPANY, Boston, Mass. Filed Aug. 20, 1924.

KALIX

Particular description of goods.—Paper Drinking Cups and Dispensers Therefor.

Claims use since Aug. 1, 1924.

Ser. No. 201,690. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) THE AUTOTYPE COMPANY LIMITED, London, England. Filed Aug. 21, 1924.

AUTOTYPE

The trade-mark consists of a coined or fancy word "Autotype" combined with a pictorial representation of a rising sun.

Particular description of goods.—Sensitized Photographic Paper.

Claims use since Feb. 1, 1922.

Ser. No. 202,065. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) IMPERIAL AUTO PRODUCTS COMPANY, Los Angeles, Calif. Filed Aug. 30, 1924.

IMPERIAL

Particular description of goods.—Prepared Dusting Cloths.

Claims use since May 22, 1924.

Ser. No. 202,091. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES G. HALL, New York, N. Y. Filed Sept. 24, 1924.

FLEX-O-DYNE

Particular description of goods.—Radio Receiving Apparatus—Namely, Assembled Sets and Loud Speakers.

Claims use since Mar. 1, 1923.

Ser. No. 203,006. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RADIOTYPE CORPORATION, Brooklyn, N. Y. Filed Sept. 24, 1924.

SilverVoice

Particular description of goods.—Radio Loud Speakers.

Claims use since Sept. 2, 1924.

Ser. No. 203,088. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NEWTON, CHAMBERS & CO. LIMITED, near Sheffield, England. Filed Sept. 26, 1924.



Applicant disclaims any attempt to cover in this registration the words "Used the World Around" except in the precise relation and association in which they appear in the specimens and drawing. In the drawing the vertical lining indicates the color red, the diagonal lining indicates the color green.

Particular description of goods.—Perfumed Soap, Liquid Soaps, Medicated Soaps, Soft Soap, Soft and Hard Disinfectant Soaps.

Claims use since Nov. 1, 1922.

Ser. No. 203,100. (CLASS 46. FOODS AND INGREDIENT OF FOODS.) TOPEKA FLOUR MILLS COMPANY, Topeka, Kans. Filed Sept. 24, 1924.



Particular description of goods.—Wheat Flour.

Claims use since Mar. 25, 1924.

Ser. No. 203,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMER G. WHELAN, Richmond, Ind. Filed Sept. 29, 1924.



Particular description of goods.—White Corn Meal, Yellow Corn Meal, Graham Flour, Whole-Wheat Flour, Buckwheat Flour, Egg Mash, Growing Mash, Chick Feed, and Scratch Feed.

Claims use since July 1, 1924.

Ser. No. 203,312. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GUST ECONOMY, Yankton, S. Dak. Filed Oct. 2, 1924.



Particular description of goods.—Shoe Dressing.

Claims use since July 1, 1924.

Ser. No. 203,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOFFETT GROCER CO., Flint, Mich. Filed Oct. 6, 1924.

DINNER TIME

Particular description of goods.—Canned Fish, Food-Flavoring Extracts; Condiments—Namely, Mustard, Pepper, Paprika; Relish Comprising Sweet and Sour Pickles, Onions, Tomatoes, and Ginger, Alimentary Pastes, Canned Vegetables, Canned Fruits, Tea, Coffee, Evaporated Milk, Peanut Butter, Apple Butter, Spices, Cocoa, Salad Dressing, Vinegar, Preserved Fruits, Mincemeat, Pickles, Tapioca, Catchup, Honey, Chili Sauce, Dried Fruits, and Cereals—Namely, Rice and Barley.
Claims use since 1905.

Ser. No. 203,783. (CLASS 37. PAPER AND STATIONERY.) BARNARD STAMP COMPANY, St. Louis, Mo. Filed Oct. 13, 1924.

ARVEN

Particular description of goods.—Rubber Stamps, Freight-Marking-Type Holders, Rubber Freight-Marking Type, Flexible Rubber Daters, Dater Cushions, and Dater Tops.
Claims use since Apr. 16, 1904.

Ser. No. 203,887. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MARX & RAWOLLE INC., New York, N. Y. Filed Oct. 15, 1924.

MANDAR

The lining of trade-mark drawing expresses shading.
Particular description of goods.—Oil Stains.
Claims use since Aug. 1, 1924.

Ser. No. 204,210. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WAGNER & COMPANY, Chicago, Ill. Filed Oct. 20, 1924.

OLD HICKORY

Particular description of goods.—Canned Sausage.
Claims use since July 1, 1924.

Ser. No. 204,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL ALTSHULER, San Francisco, Calif. Filed Oct. 25, 1924.

PuzzleBar

The descriptive word "Bar" is disclaimed apart from the mark shown. Trade-mark consists of the word "Puzzle Bar."
Particular description of goods.—Candy.
Claims use since June 4, 1924.

Ser. No. 204,906. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUGUST GRUBB, Logansport, Ind. Filed Nov. 6, 1924.

Mush-a-Roll

Particular description of goods.—Breakfast Food the Principal Ingredient of Which is Corn Meal.
Claims use since Feb. 20, 1923.

Ser. No. 204,979. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RESAS, INC., New York, N. Y. Filed Nov. 7, 1924.

TONE-A-DYNE

Particular description of goods.—Radio Receiving Sets.
Claims use since July 24, 1924.

Ser. No. 205,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASHER H. NOVALINGER, doing business as Alta Orchards, Cockeysville, Md. Filed Nov. 10, 1924.

ALTA ORCHARD BRAND

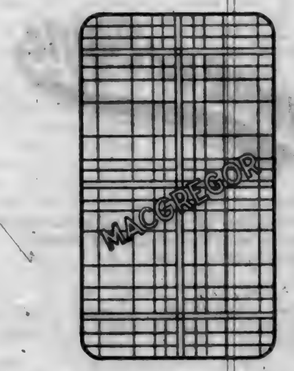
No claim made to the word "Brand" apart from the mark as shown.
Particular description of goods.—Peach Marmalade, Quince Marmalade, Cider Apple Butter, Fresh Apples, Vinegar, and Jelly.
Claims use since Oct. 3, 1924.

Ser. No. 205,123. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROBERT KLEIN, Solingen, Germany. Filed Nov. 11, 1924.



Particular description of goods.—Table Knives, Forks, and Spoons of Base Metal; Scissors, Daggers, Bread Knives, Butchers' Knives, Razors, Safety-Razor Blades, and Hair Clippers.
Claims use since Nov. 12, 1919.

Ser. No. 205,390. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JEMIMA DAVIDSON, doing business as J. Davidson & Son, New Bedford, Mass. Filed Nov. 17, 1924.



Particular description of goods.—Ham.
Claims use since on or about June, 1920.

Ser. No. 205,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE F. JEFFERSON, doing business as Endless Life Food and Drink Company, Cincinnati, Ohio. Filed Nov. 18, 1924.

ENDLESS-LIFE

Particular description of goods.—Biscuits, Bread, Buns, Cake, Cookies, Crackers, Doughnuts, Flour, Meal, Muffins, Pies, Pretzels, Rolls, Wafers, Zwieback, Butter, Jelly, Soup, and Sirup for Food Purposes.
Claims use since Nov. 3, 1924.

Ser. No. 205,970. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILTON MANUFACTURING COMPANY INC., New York, N. Y. Filed Nov. 28, 1924.



Particular description of goods.—Cotton Piece Goods.
Claims use since May 1, 1916.

Ser. No. 206,000. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AGOSTINO FERRARI, doing business as Fratelli Ferrari & Co., Imperia I, Italy. Filed Nov. 29, 1924.



The male figure forming a feature of the trade-mark is fanciful. No rights are asserted to the exclusive use of the words "Olio Puro d'Oliva, Insuperabile, Imperia I (Porto Maurizio) Italia, Marca" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Olive Oil.
Claims use since about 1921.

Ser. No. 206,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT I. STEEN CO., Los Angeles, Calif. Filed Dec. 1, 1924.

RISCO

Particular description of goods.—Food-Flavoring Extracts, Spices, Nut Meats in Their Natural State, Mincemeat, Pie Fillings, Pie Thickener, Meringue Powder, Cocoa Powder, Bakers' Jelly, Molasses, Powdered Egg, and Salt-Rising Yeast.
Claims use since July 26, 1922.

Ser. No. 206,122. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL AIRPHONE CORPORATION, New York, N. Y. Filed Dec. 2, 1924.

TU-RA-FLEX

Particular description of goods.—Radio Receiving Sets.
Claims use since Sept. 10, 1924.

Ser. No. 206,190. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RINALD BROTHERS PAINT WORKS, INC., Philadelphia, Pa. Filed Dec. 3, 1924.



Particular description of goods.—Varnishes, Dry Paints, Paste Paints, Ready-Mixed Paints, and Colors and Dyes Used in Connection Therewith.
Claims use since Nov. 25, 1924.

Ser. No. 206,315. (CLASS 38. PRINTS AND PUBLICATIONS.) HERBERT W. LAMB, doing business as Home Industries, Adrian, Mich. Filed Dec. 5, 1924.

HOME

Particular description of goods.—Books and Lesson Sheets Used in Connection with Correspondence Courses in Applied Arts, Decalcomania, Transfers, and Printed Greeting Cards.
Claims use since Oct. 25, 1924.

Ser. No. 206,330. (CLASS 38. PRINTS AND PUBLICATIONS.) SELL BROTHERS, Delaware, Ohio. Filed Dec. 5, 1924.



Applicants specifically disclaim the descriptive words "Quality" and "Service" apart from the mark shown.
Particular description of goods.—Photoprints and Enlargements.
Claims use since Sept. 1, 1911.

Ser. No. 206,350. (CLASS 39. CLOTHING.) JEOSEF GROPPER, doing business as J. Gropper Weavenit, New York, N. Y. Filed Dec. 6, 1924.



Particular description of goods.—Neckties.
Claims use since Sept. 17, 1924.

Ser. No. 206,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REID-SEELEY COMPANY, INC., New York, N. Y. Filed Dec. 6, 1924.



Particular description of goods.—Chemical Stain Remover and Cleaner and Nap Raiser for Fabrics.
Claims use since Sept. 15, 1924.

Ser. No. 206,400. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CONVEX SIGN CO., Chicago, Ill. Filed Dec. 8, 1924.



No claim is made to the representation of the target and the word "Game" apart from the mark as shown. The drawing is lined for red.
Particular description of goods.—Toy Pistol and Target.
Claims use since July 1, 1920.

Ser. No. 206,631. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LEON A. OLMSTED, doing business as Vim Chain Stores, Chicago, Ill. Filed Dec. 12, 1924.



Particular description of goods.—Electric Tapes, Electric-Light Pull-Cord Beads, Electric Dry Cells, Electric Doorbells, Electric Junction Boxes, Electric Christmas-Tree Bulbs, Electric Dry-Cell Bulbs, Electric Flash-Light Bulbs, Electric Auto Bulbs, Electric Socket Bushings, Electric Tail and Dash Bulbs, Electric Buzzers, Electric Testing Clips, Electric Candlesticks, Electric Porcelain Cleats, Electric Wire Connecters, Electric-Light Clusters, Electric Plug Clusters, Electric Battery Connecters, Electric Extension Cords, Electric-Cord Adjusters, Electric-Current Taps, Electric Plug Cut-Outs, Electric Cut-Outs, Electric Dynamo Motors, Electric Dynamos, Electric Fans, Electric Dimming Rheostats, Electric Flash Lights, Electric-Lamp Guards, Electric-Wire Knobs, Electric Flatirons, Electric Soldering Irons, Electric Curling Irons, Electric Portable Lamps, Electric Motors, Electric Nipples and Plates, Electric Wall Switches, Electric Flatiron Plugs, Electric Attachment Plugs, Electric

Swivel Attachment Plugs, Electric Plug Caps, Electric Plug Fuses, Electric Plug Receptacles, Electric Push Buttons, Electric-Light Wire Rosettes, Electric Christmas-Tree-Light Socket Holders, Electric-Light Sockets, Electric-Light Wall Sockets, Electric-Light Molding Sockets, Electric-Light Keyless Brass-Shell Sockets, Electric-Light Base Sockets, Electric-Light Key Sockets, Electric-Light Key Wall Sockets, Electric-Light Pull-Chain Sockets, Electric-Light Pull-Chain Wall Sockets, Electric Continuous-Ring-Bell Door Springs, Electric-Wire Staples, Electric-Wire Insulated Staples, Electric Switches, Electric Snap Switches, Electric Double-Pole Switches, Electric Pendant Switches, Electric Flush Switches, Electric Telegraph Keys, Electric Telegraph Outfits, Electric Telegraph Sounders, Electric-Bell-Ringing Transformers, Electric-Wire Porcelain Tubes, Electric Toasters, Electric-Bell Wires, Electric-Bell Duplex Wires, Electric-Lamp Cords, Electric Heater Cords, Electric Christmas-Tree-Light Outfits, Electric Tail Lights, Electric Spark-Plug Wires, Electric Rubber-Cap Plugs, Electric Knee Push Buttons, Electric Floor Push Buttons, Electric Lamp and Plug Sockets, Electric-Tail-Lamp Sockets, Electric-Tail-Light Converter Sockets, Electric Auto Switches, Electric Push-Button Switches, Electric Turn-Button Switches, Electric Spark-Plug Timers, Electric Auto Lighting Wires, Electric Spark-Plug Cables, Interdepartment Telephone Sets, Electric Room Heaters, and Electric Spark Coils.
Claims use since Dec. 15, 1922.

Ser. No. 206,716. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill. Filed Dec. 15, 1924.



Applicant disclaims the words "Essential Minerals for Cattle" and the words "Rights the Ration" apart from the other features of the mark.
Particular description of goods.—Feed for Cattle—Namely, Dairy Meal and Essential Minerals for Cattle, Each of Which Comprises a Compounded Ground Feed Having, Among Other Things, Various Minerals Which are Essential or Desirable Ingredients for Cattle Feed.
Claims use since Sept. 1, 1924.

Ser. No. 206,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEUMAN & SCHWIERS CO., INC., New York, N. Y. Filed Dec. 16, 1924.

YANKEE RELISH

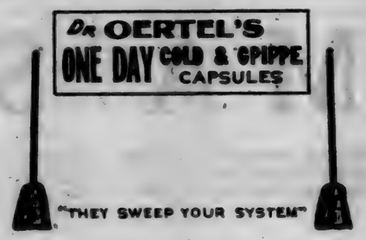
No claim is made to the word "Relish" apart from the mark shown in the drawing.
Particular description of goods.—Vegetable Relishes.
Claims use since on or about Oct. 4, 1916.

Ser. No. 206,801. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ED. POHL, Reval, Esthonia. Filed Dec. 16, 1924.



The words "Impregnated, Safeties, Brand, Made in Estonia" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Safety Matches.
Claims use since Oct. 15, 1924.

Ser. No. 206,856. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARL H. OERTEL, Baltimore, Md. Filed Dec. 17, 1924.



No claim is made to the words "Cold & Grippe Capsules" apart from the mark shown.
Particular description of goods.—Medicines for Colds, Grippe, and Influenza.
Claims use since September, 1921.

Ser. No. 206,860. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE RADIO PARLOR, New York, N. Y. Filed Dec. 17, 1924.

Mayolian

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Aug. 8, 1924.

Ser. No. 206,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DES MOINES WHOLESALE GROCER CO., Des Moines, Iowa. Filed Dec. 18, 1924.



Particular description of goods.—Apple Butter, Canned Fish, Canned Fruits, Olive Oil, Evaporated Canned Milk, Canned Vegetables, Preserved Fruits, Coffee, Prepared Mustards, Mincemeat, Canned Pork and Beans, Peanut Butter, Olives, Pickles, Catchup, Chili Sauce, Salad Dressing, Table Sirup, and Vinegar.
Claims use since July 14, 1923.

Ser. No. 206,911. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES S. MCKINNEY, doing business as Ma's Candy Company, Coahoma, Tex., assignor of one-third to Frances M. Cochran, Lamb County, Tex. Filed Dec. 18, 1924.

MA'S

Particular description of goods.—Chocolate Peanut Candy and Candied Pop Corn.
Claims use since Nov. 19, 1924.

Ser. No. 206,971. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) AUGUSTUS LOWERY, Leavenworth, Kans. Filed Dec. 19, 1924.

"GLIT U"

Particular description of goods.—Metal, Pottery, and Glass Polishing Compounds.
Claims use since 1924.

Ser. No. 206,975. (CLASS 27. HOROLOGICAL INSTRUMENTS.) PICARD, HERMANN & FILS, ALEXORA WATCH MANUFACTORY, La Chaux-de-Fonds, Switzerland. Filed Dec. 19, 1924.

ALEXORA

Particular description of goods.—Watches, Watchcases, Watch Movements, and Watch Dials.
Claims use since about November, 1915.

Ser. No. 206,977. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) H. L. ROGERS CO., INC., New York, N. Y. Filed Dec. 19, 1924.

E-Z LOK

Particular description of goods.—Tobacco Pouches; Cigar, Cigarette, and Pipe Cases; and Leather-Covered Humidors.
Claims use since Nov. 2, 1923.

Ser. No. 206,997. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DROSER & FISCHER, Berlin, Germany. Filed Dec. 20, 1924.

Murolineum

Particular description of goods.—Waterproof Surfacing Paints.
Claims use since Apr. 1, 1909.

Ser. No. 207,082. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORRIS KIRSTEIN, doing business as Kersten Electric Company, Chicago, Ill. Filed Dec. 22, 1924.



ELECTRIC REPAIR SERVICE
TO YOUR DOOR

Applicant disclaims the phrase "Electric Repair Service to Your Door" apart from the other features of the mark shown in the drawing. The representation of a man and a woman is fanciful.
Particular description of goods.—Electric-Iron Cord Sets, Flatirons, Toasters, Air Heaters, and Grills.
Claims use since Apr. 15, 1924.

Ser. No. 207,161. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE-STOKES CO., INC., Chicago, Ill. Filed Dec. 23, 1924.

HANROL CREME

No claim is made to the word "Creme."
Particular description of goods.—Semiprepared Fondant or Base for Use as an Icing for Bakery Products, Fondants, Filler for Confectionery and Ice Cream, Topping for Ice-Cream Sundaes, Desserts, and Food Beverages, as Chocolate, Cocoa, and the Like.
Claims use since July 1, 1924.

Ser. No. 207,226. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill. Filed Dec. 26, 1924.



Applicant disclaims any registration rights to the words "Essential Minerals for Hogs" or the words "Rights the Ration" apart from the other features of the mark.
Particular description of goods.—Feed for Animals—Namely, Compounded Ground Feed Containing Among Other Things Certain Minerals, Such Feed Being Used to Supplement the Ordinary Feed of Hogs.
Claims use since about Sept. 1, 1924.

Ser. No. 207,318. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WEST SIDE WHOLESALE GROCERY CO., Chicago, Ill. Filed Dec. 27, 1924.

LAWNDALE

Particular description of goods.—Toothpicks.
Claims use since September, 1922.

Ser. No. 207,338. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BERTRAMS LIMITED, Edinburgh, Scotland. Filed Dec. 29, 1924.

BERTRING

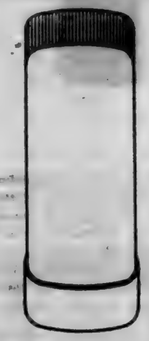
Particular description of goods.—Lubricating Rings for Ring-Lubricated Bearings.
Claims use since May 24, 1924.

Ser. No. 207,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BIRKETT MILLS, Penn Yan, N. Y. Filed Dec. 29, 1924.

FIRST PRIZE

Particular description of goods.—Buckwheat Flour.
Claims use since about January, 1888.

Ser. No. 207,445. (CLASS 6. CHEMICAL, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 30, 1924.



The trade-mark consists of a red band at the top of the container, the rest of the body of the container being of a contrasting color. No claim is made to the exclusive right to the use of the representation of the container.
Particular description of goods.—Compressed Gases—Namely, Butane, Ethane, Methane, Propane, Ethylene, Ethylene Oxide, and Propylene—in Portable Containers.
Claims use since Jan. 1, 1922.

Ser. No. 207,446. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 30, 1924.



The trade-mark consists of red color applied at the top of the container, the rest of the body of the container being of a contrasting color. No claim is made to the exclusive right to the use of the representation of the container.
Particular description of goods.—Compressed Gases—Namely, Butane, Ethane, Methane, Propane, Ethylene, Ethylene Oxide, and Propylene—in Portable Containers.
Claims use since Jan. 1, 1922.

Ser. No. 207,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Dec. 30, 1924.



The trade-mark consists of a white band at the top of the container, the rest of the body of the container being of a contrasting color. No claim is made to the exclusive right to the use of the representation of the container.

Particular description of goods.—Compressed Gases—Namely, Butane, Ethane, Methane, Propane, Ethylene, Ethylene Oxide, and Propylene—in Portable Containers.

Claims use since Jan. 1, 1922.

Ser. No. 207,463. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn. Filed Dec. 30, 1924.

FOG

Particular description of goods.—Portable and Hand-Operated Sprayers and Parts Thereof.

Claims use since on or about Oct. 1, 1922.

Ser. No. 207,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Dec. 30, 1924.

"THE WHITE BOX"

No claim of exclusive right to the use of a box colored white being made.

Particular description of goods.—Chocolates and Candies.

Claims use since Nov. 1, 1924.

Ser. No. 207,534. (CLASS 15. OILS AND GREASES.) MARK J. TRAZIVUK, Mexico, Mexico. Filed Dec. 31, 1924.



No claim is made to the words "Productos de Petroleo" or "Marca Regestrada" apart from the mark shown on the drawing.

Particular description of goods.—Gasoline, Kerosene, Lubricating Oil for Use in Internal-Combustion Engines and Machinery, and Lubricating Greases.

Claims use since Oct. 1, 1924.

Ser. No. 207,565. CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HALL PAINT COMPANY, INC., Buffalo, N. Y. Filed Jan. 2, 1925.

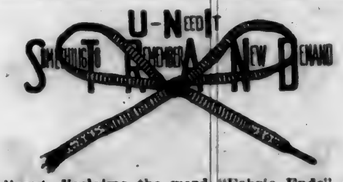


No claim is made for the words "A Leader in Paints & Varnish" apart from the mark shown.

Particular description of goods.—Boiled or Raw Linseed Oil, Turpentine and Sub Turpentine, Prepared Shellacs, Ready-Mixed Paints, Varnishes, and Furniture Polishes.

Claims use since Dec. 10, 1924.

Ser. No. 207,585. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MATSON LACE TIPPING MACHINE CO., Boston, Mass. Filed Jan. 2, 1925.



Applicant disclaims the word "Fabric Ends" and the representation of the goods apart from the mark as shown on the drawings.

Particular description of goods.—Shoe Laces, Legging Laces, Corset Laces, and Apparel Laces.

Claims use since Dec. 10, 1924.

Ser. No. 207,630. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WILCOX-HAYES CO., Portland, Oreg. Filed Jan. 3, 1925.

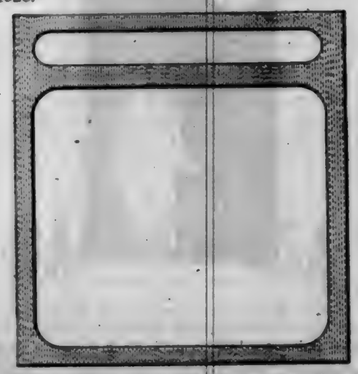


The translation of the Chinese characters appearing in the drawing, the first meaning "The God" and the second character means "Of Wealth" or "The God of Wealth."

Particular description of goods.—Wheat Flour.

Claims use since Oct. 1, 1921.

Ser. No. 207,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed Jan. 5, 1925.

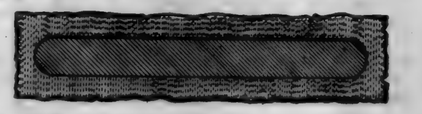


The drawing shows the top lid or cover of a display container for the goods and having a sight opening therein covered by transparent material. The trade-mark shown consists of the color silver, marginal to the sight opening. No claim is made to the representation of the lid or cover as a trade-mark. The shading on the accompanying drawing indicates a silver color.

Particular description of goods.—Biscuits, Crackers, Cakes, and Cookies.

Claims use since about Feb. 6, 1924.

Ser. No. 207,670. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y. Filed Jan. 5, 1925.



The trade-mark consists of a green-colored panel appearing against a silver-colored background, as shown in the accompanying drawing. The vertical dash lines on the accompanying drawing indicate a silver color and the diagonal lines a green color.

Particular description of goods.—Biscuits, Crackers, Cakes, and Cookies.

Claims use since about Feb. 6, 1924.

Ser. No. 207,692. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAR MILLING COMPANY, Statesville, N. C. Filed Jan. 5, 1925.



The lining on the drawing is used for shading purposes only.

Particular description of goods.—Wheat Flour.

Claims use since Jan. 1, 1912.

Ser. No. 207,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. NEUHOFF COMPANY, Los Angeles, Calif. Filed Jan. 6, 1925.

Boyco

Particular description of goods.—Canned Tunny Fish and Tomato Catchup.

Claims use since June 10, 1924.

Ser. No. 207,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PALMER CANDY CO., Sioux City, Iowa. Filed Jan. 8, 1925.

QUARTERBACK

Particular description of goods.—Candy.

Claims use since Nov. 15, 1924.

Ser. No. 207,860. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) D. X. INSTRUMENT COMPANY, Harrisburg, Pa. Filed Jan. 9, 1925.

FIL-KO

Particular description of goods.—Lightning Arresters.
Claims use since Aug. 15, 1924.

Ser. No. 207,907. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) C. L. WETHERBEE & SON, Middletown, Conn. Filed Jan. 9, 1925.



Parts of trade-mark drawing are shaded for red and green.
Particular description of goods.—Bias Tape.
Claims use since Nov. 25, 1924.

Ser. No. 207,927. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) ALFRED C. FONES, doing business as The Laroma Chemical Company, Bridgeport, Conn. Filed Jan. 10, 1925.

LAROMA

Particular description of goods.—Toothbrushes.
Claims use since November, 1911.

Ser. No. 207,937. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ADOLPH CLARENCE KORDICK, doing business as Apollo Products, Chicago, Ill. Filed Jan. 10, 1925.



Particular description of goods.—French Salad Dressing.
Claims use since July, 1924.

Ser. No. 207,974. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL GROCERY COMPANY, Murphysboro and West Frankfort, Ill. Filed Jan. 12, 1925.



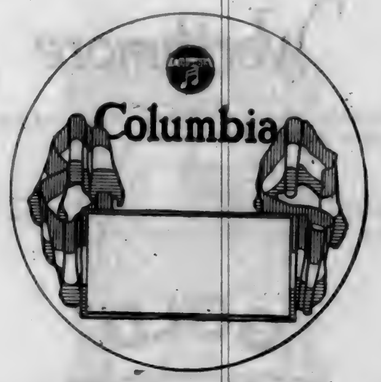
Particular description of goods.—Canned Vegetables—Namely, Pumpkin, Tomatoes, Corn, Spinach, Beets, Kidney Beans, Peas, Red Beans, Lima Beans; Canned Fruits—Namely, Peaches, Pineapple, Apples, Strawberries, Pears, Royal Anne Cherries, Red Raspberries, Black Raspberries, Apricots, Fruit Salad; Canned Sea Food—Namely, Salmon, Oysters, Tunny, Lobster, Shrimp; Relishes—Namely, Red Peppers, Ripe and Green Olives, Chili Sauce, Pickles, Tomato Catchup; Meats—Namely, Sliced Beef, Bacon, Tongue, Deviled Ham, Chicken; Spices—Namely, Ginger, Allspice, Black Pepper, Celery Salt, Capers, Cinnamon, Cloves, Curry Powder, Mustard, Poultry Seasoning, Mace, Nutmeg, White Pepper, Paprika, Prepared Mustard; Bottled and Canned Salad Dressing, Coffee, Tea, Condensed Milk, Butter, Shredded Coconut; Flour—Namely, Wheat, Bran, Graham, and Buckwheat; Peanut Butter, Maple Sirup, Sugar; Fruit Preserves—Namely, Apricot Butter, Apple Butter, Grape Marmalade, Orange Marmalade, Strawberry Preserves; Food-Flavoring Extracts—Namely, Vanilla, Lemon, and Almond; Alimentary Products—Namely, Macaroni and Spaghetti; Molasses, Jelly Powder, Rolled Oats, Farina, Tapioca, Lard.
Claims use since April, 1917.

Ser. No. 208,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. RANNOU ET CIE, Marseille, France. Filed Jan. 13, 1925.



All words shown in drawing are disclaimed apart from the mark shown except the words "Golden Fruit." No claim is made to the word "Fruit" except in association with the word "Golden" as shown.
Particular description of goods.—Dates.
Claims use since Oct. 29, 1924.

Ser. No. 208,127. (CLASS 30. MUSICAL INSTRUMENTS AND SUPPLIES.) COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn. Filed Jan. 15, 1925.



The drawing shows a red, white, and blue streamer as a prominent part of the trade-mark, in which the color red is designated by fine vertical lines, the color blue by fine horizontal lines, and white by a wide or blank space.
Particular description of goods.—Phonograph Records, Both Recording and Reproducing; Phonograph Apparatus for Recording and Reproducing Sounds—Namely, Sound-Recording Machines and Reproducing Phonographs; Automatic Musical Instruments of the Character Known as Multiple-Playing Phonographs; Parts for Such Phonographs, Recording Machines, and Automatic Musical Instruments; Also the Following Accessories Therefor—Namely, Needles, Stop Mechanism, Mechanical Phonograph Motors, Reproducers, Recorders, Diaphragms, Needle Cups, Horns, and Tone-Arms, Envelopes, and Albums.
Claims use since on or about Oct. 1, 1923.

Ser. No. 208,229. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Jan. 17, 1925.

ELECTROSEAL

Particular description of goods.—Ready-Mixed Paint.
Claims use since Sept. 30, 1924.

Ser. No. 208,260. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE RED TOP MALT EXTRACT COMPANY, Cincinnati, Ohio. Filed Jan. 17, 1925.

BARBAROSSA

Trade-Mark consists of the word "Barbarossa."
Particular description of goods.—Malt and Hop Sirup.
Claims use since Nov. 4, 1921.

Ser. No. 208,321. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JOSEPH STRAUSS COMPANY, INC., Buffalo, N. Y. Filed Jan. 19, 1925.



No claim is made to the words "Storage Battery" apart from the mark shown in the drawing.
Particular description of goods.—Storage Batteries Both for Automobiles and Radio Equipment.
Claims use since Sept. 15, 1924.

Ser. No. 208,327. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREDERICK A. WATKINS, doing business as The Colytt Laboratories, Chicago, Ill. Filed Jan. 19, 1925.

WHISPER-IT

Particular description of goods.—Telephone Mouthpieces.
Claims use since June 15, 1924.

Ser. No. 208,356. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y. Filed Jan. 20, 1925.

Radio-Art

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since about Jan. 8, 1925.

Ser. No. 208,366. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) VICTORY SPARKLER & SPECIALTY COMPANY, Elkton, Md. Filed Jan. 20, 1925.



The shading on the drawing is to designate the color red.
Particular description of goods.—Sparklers, Sun Wheels, Snakes, Snake Volcanoes, Dipped Sticks, Globe Torpedoes, Tube Torpedoes, Golden-Shower Torches, Spit Devils, Devil Sticks, Colored-Fire Torches, Railroad

Fuses, Vesuvius Fountains, Flitter Fountains, Cap Ammunition, Sizzle, Colored Cones, Volcanic Spit Fire, Lily Spray, Pandora Box, Jewel Casket, Silver Spray, Ruby Flare, Garden Mine, Flower Mountain, Tricolor Shower, Rainbow Display, and Uncle Sam Fountain.
Claims use since Dec. 10, 1924.

Ser. No. 208,403. (CLASS 38. PRINTS AND PUBLICATIONS.) THE INDEPENDENT PUBLISHING CO., Washington, D. C. Filed Jan. 21, 1925.

The Fellowship Forum.
A National Weekly Newspaper devoted to the Fraternal Interpretation of the World's Current Events

No claim is made to the exclusive use of the phrase "A National Weekly Newspaper devoted to the Fraternal Interpretation of the World's Current Events" apart from the mark shown.
Particular description of goods.—Weekly Newspaper.
Claims use since June, 1921.

Ser. No. 208,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUOMEN VALTAMERENTAKAINEN KAUPPA OY, Helsingfors, Finland. Filed Jan. 21, 1925.

HELLAS

Particular description of goods.—Wheat Flour.
Claims use since Dec. 10, 1923.

Ser. No. 208,440. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUOMEN VALTAMERENTAKAINEN KAUPPA OY, Helsingfors, Finland. Filed Jan. 21, 1925.



Particular description of goods.—Wheat Flour.
Claims use since Dec. 15, 1923.

Ser. No. 208,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN POEHLMAN & SONS, Baltimore, Md. Filed Jan. 22, 1925.

Worthmore

Particular description of goods.—Butter and Eggs.
Claims use since Sept. 1, 1924.

Ser. No. 208,499. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BALTIMORE BUTTERINE COMPANY, Baltimore, Md. Filed Jan. 23, 1925.



The word "Oleo-Margarine" is disclaimed apart from the mark as shown.
Particular description of goods.—Oleomargarine.
Claims use since Oct. 27, 1924.

Ser. No. 208,509. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y. Filed Jan. 23, 1925.

Hicycle

Particular description of goods.—Electrical Apparatus and Machines, Particularly Portable Electric Tools for Boring, Drilling, Grinding, Reaming, and Tapping, Also Generator Sets for Operating Such Tools.
Claims use since Nov. 24, 1924, on drills, reamers, and tappers, and since Dec. 31, 1924, on grinders and generator sets.

Ser. No. 208,513. (CLASS 15. OILS AND GREASES.) CHARLES W. DIETRICH, Los Angeles, Calif. Filed Jan. 23, 1925.

HOLLYWOOD

Particular description of goods.—Gasoline.
Claims use since Apr. 1, 1924.

Ser. No. 208,518. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAY HAWTHORNE, doing business as Hawthorne Beauty Stores, Phoenix, Ariz. Filed Jan. 23, 1925.



Particular description of goods.—Toilet Preparations—Namely, Cleansing Skin Cream, Facial Line Eradicator, Greaseless Bleach Cream, Face Astringent, a Preparation with Which to Treat and Enhance the Brilliancy of the Eyes, Hand Bleach Cream, Facial Cleansing Lotion, Prepared Antiseptic Oil, Salve for Dry Scalp, Paste Rouge, Bandoline, Nail Polish, Nail Oil, Bath Crystals, Perfume, Freckle Cream, Acne Facial Wash, Acne Astringent, Eyebrow Grower, Bleaching Hand Lotion, Eucalyptus Hair Grower, Scalp Salve, Face Powder, Brilliantine, Nail Bleach, Nail Salve, Depilatory, Curling Fluid, Cream for Darkened Pigmentation, Prepared Antiseptic Cream for the Scalp, French Facial Muscle-Lifting and Skin-Refining Pack.
Claims use since Feb. 1, 1916.

Ser. No. 208,535. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR T. SANDISON, doing business as Ideal Bakery, Centralia, Wash. Filed Jan. 23, 1925.



No claim is made for "Irish Bread" apart from the mark shown by the drawing.
Particular description of goods.—Bread.
Claims use since Nov. 1, 1922.

Ser. No. 208,596. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. W. MADSEN, Engels Park, Joliet, Ill. Filed Jan. 24, 1925.

GOLD COAST

Particular description of goods.—Creamery Butter.
Claims use since July 14, 1924.

Ser. No. 208,598. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES MILLS ORCHARDS CORPORATION, Hamilton City and Maxwell, Calif. Filed Jan. 24, 1925.

MT. SHASTA

Particular description of goods.—Lemons in Their Natural State and Fresh Pears.
Claims use since April, 1924.

Ser. No. 208,645. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Jan. 26, 1925.



The representation of a dial does not form a part of the mark sought to be registered apart from the mark shown in the drawing.
Particular description of goods.—Radiodials.
Claims use since Dec. 19, 1924.

Ser. No. 208,646. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ELY & WALKER DRY GOODS COMPANY, St. Louis, Mo. Filed Jan. 26, 1925.

Inshured

Particular description of goods.—Trunks, Bags, and Suitcases.
Claims use since Dec. 1, 1924.

Ser. No. 208,663. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LIBBY, MCNEILL & LIBBY, Chicago, Ill. Filed Jan. 26, 1925.

Rose-Dale

Particular description of goods.—Canned and Preserved Fruits and Berries and Condensed, Evaporated, and Powdered Milk.
Claims use since 1909.

Ser. No. 208,718. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAFFAELLO PAGNI, Florence, Italy. Filed Jan. 27, 1925.

NEUROTROFINA

Particular description of goods.—Pharmaceutical Product for Rebuilding the Nerves and Other Organic Tissues of the Human Body.
Claims use since Aug. 1, 1914.

Ser. No. 208,746. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Jan. 28, 1925.

OKAY

Particular description of goods.—Lead Pencils.
Claims use since Mar. 30, 1922.

Ser. No. 208,757. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GILLIES COFFEE CO., New York, N. Y. Filed Jan. 28, 1925.

GILCO

Particular description of goods.—Preparation of Chocolate or Cocoa for Beverages.
Claims use since about Mar. 13, 1924.

Ser. No. 208,785. (CLASS 38. PRINTS AND PUBLICATIONS.) DAVID S. H. STANNARD, Huntington Park and Los Angeles, Calif. Filed Jan. 28, 1925.

RADIOCLOK

Particular description of goods.—Reference Chart of Radio Stations Published from Time to Time.
Claims use since Nov. 1, 1924.

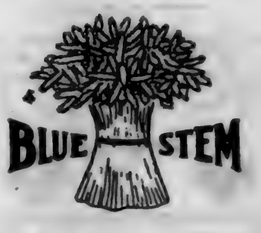
Ser. No. 208,790. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) TRAMPE SPARK PLUG CO., INC., St. Louis, Mo. Filed Jan. 28, 1925.

TRAMPE



Particular description of goods.—Spark Plugs.
Claims use since Sept. 24, 1924.

Ser. No. 208,820. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PASADENA BISCUIT COMPANY, Pasadena, Calif. Filed Jan. 29, 1925.



Particular description of goods.—Crackers, Cakes, Cookies, and Biscuits, Also Cracker Meal.
Claims use since June, 1917.

Ser. No. 208,848. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL INSTRUMENT CORPORATION, New York, N. Y. Filed Jan. 30, 1925.

CORANTUM

Particular description of goods.—Electrical Insulation Compound for Use in Electrical and Radio Apparatus.
Claims use since Jan. 23, 1925.

Ser. No. 208,849. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GENERAL INSTRUMENT CORPORATION, New York, N. Y. Filed Jan. 30, 1925.

OSODAMPA

Particular description of goods.—Electron Tube and Amplification Units or Stages, Complete Radiofrequency Amplifiers, and Complete Radio Receiving Sets Containing Electron-Tube Circuits.
Claims use since Jan. 23, 1925.

Ser. No. 208,864. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) OLD GRAND-DAD DISTILLERY CO., Louisville, Ky. Filed Jan. 30, 1925.

OLD GRAND-DAD



Particular description of goods.—Whisky.
Claims use since January, 1900.

Ser. No. 208,866. (CLASS 37. PAPER AND STATIONERY.) PFENING & SNYDER, INC., Columbus, Ohio. Filed Jan. 30, 1925.



No claim is made to the words "Tells the Whole Story" appearing on the drawing apart from the other features of the mark as shown thereon.
Particular description of goods.—Blank-Book Binders and Also Pages of Blank Forms for Use Therein.
Claims use since about Nov. 1, 1923.

Ser. No. 208,875. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARKO SHYAN, Chicago, Ill. Filed Jan. 30, 1925.

HONEY-PUNNY

Particular description of goods.—Chocolate Bars and Chocolate-Covered Fruit Bars.
Claims use since Jan. 8, 1925.

Ser. No. 208,883. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. A. WILLEY COMPANY, Long Island City, N. Y. Filed Jan. 30, 1925.

WILCOLAC

Particular description of goods.—Lacquers, Ready-Mixed Paints, Varnishes, Colors, and Undercoatings.
Claims use since July 2, 1924.

Ser. No. 208,893. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y. Filed Jan. 31, 1925.

B

BE SQUARE BRANDS
FOOD PRODUCTS

No rights are asserted to the exclusive use of the words "Food Products" apart from the trade-mark shown in the drawing.
Particular description of goods.—Food Products—Namely, Nuts, in Their Natural State, Beans, Peas, and Figs in a Dried State.
Claims use since Jan. 16, 1925.

Ser. No. 208,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE EUCLID CANDY COMPANY, Cleveland, Ohio. Filed Jan. 31, 1925.

Monkey Shines

Particular description of goods.—Candy.
Claims use since August, 1924.

Ser. No. 208,946. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUIS ARONSON, doing business as United Aniline Company, Boston, Mass. Filed Feb. 2, 1925.



Registration of the words used in the trade-mark "Quality," "Standards," and "Dyes" is hereby disclaimed.

Particular description of goods.—Dyes and Dyestuffs.

Claims use since Apr. 15, 1924.

Ser. No. 209,002. (CLASS 30. MUSICAL INSTRUMENTS AND SUPPLIES.) ROCCO SALERNI, doing business as The Salerni Co., Astoria, N. Y. Filed Feb. 2, 1925.

Lacremona

Particular description of goods.—Strings for Harps and Violins and Similar Stringed Musical Instruments.

Claims use since Jan. 1, 1915.

Ser. No. 209,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass. Filed Feb. 2, 1925.



Particular description of goods.—Wheat Flour.

Claims use since October, 1896.

Ser. No. 209,004. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass. Filed Feb. 2, 1925.

KING ARTHUR

Particular description of goods.—Wheat Flour.

Claims use since October, 1896.

Ser. No. 209,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass. Filed Feb. 2, 1925.



Particular description of goods.—Wheat Flour.

Claims use since Sept. 28, 1914.

Ser. No. 209,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass. Filed Feb. 2, 1925.

ROUND TABLE

Particular description of goods.—Wheat Flour.

Claims use since Sept. 28, 1914.

Ser. No. 209,021. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CANDY BROS. MANUFACTURING CO., St. Louis, Mo. Filed Feb. 3, 1925.



Particular description of goods.—Candy.

Claims use since Jan. 20, 1925.

Ser. No. 209,057. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. PUTNAM CO., Charlestown, Boston, Mass. Filed Feb. 3, 1925.



No claim is made to the words "Brand," "Maine Potatoes" and "Trade Mark U. S. Registry Applied for" apart from the other features of the mark.

Particular description of goods.—Potatoes in Their Natural State.

Claims use since Nov. 10, 1924.

Ser. No. 209,082. (CLASS 37. PAPER AND STATIONERY.) EXPORT UNDERWRITERS CORPORATION, New York, N. Y. Filed Feb. 4, 1925.

YANKEE

Particular description of goods.—Pencils, Penholders, and Fountain Pens.

Claims use since Dec. 15, 1924.

Ser. No. 209,095. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINUTE TAPIOCA COMPANY, Orange, Mass. Filed Feb. 4, 1925.



In the drawing the horizontal lining represents blue and the vertical lining red. These are the colors in which the mark usually is shown. No claim is made to the exclusive right to the word "Tapioca" except as associated with other features of the mark as shown.

Particular description of goods.—Prepared Tapioca.

Claims use since Jan. 2, 1925.

Ser. No. 209,128. (CLASS 2. RECEPTACLES.) THE JACKSON BOX COMPANY, Norwood, Ohio. Filed Feb. 5, 1925.



Particular description of goods.—Cartons, Shipping Boxes, and Cardboard Containers.

Claims use since Jan. 19, 1925.

Ser. No. 209,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD H. TATUM, doing business as Edouardo, New York, N. Y. Filed Feb. 5, 1925.

"Edouardo"

Particular description of goods.—Perfumes, Toilet Powder, and Toilet Water.

Claims use since about Dec. 1, 1924.

Ser. No. 209,168. (CLASS 37. PAPER AND STATIONERY.) KIMBERLY-CLARK COMPANY, Neenah, Wis. Filed Feb. 6, 1925.

CELLUPACKING

Particular description of goods.—Paper Padding or Cushioning Material Applied to Finished Surfaces of Articles to Prevent Marring of Said Surfaces During Shipment of Said Articles.
Claims use since Mar. 12, 1924.

Ser. No. 209,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KLEIN CHOCOLATE COMPANY, INC., Elizabethtown, Pa. Filed Feb. 7, 1925.



No claim is made for the pictorial representation of the goods apart from the features of the mark shown.
Particular description of goods.—Cocoa.
Claims use since September, 1924.

Ser. No. 209,278. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y. Filed Feb. 9, 1925.

HICYCLE

Particular description of goods.—Electrical Apparatus and Machines, Particularly Portable Electric Tools for Boring, Drilling, Grinding, Reaming, and Tapping, Also Generator Sets for Operating Such Tools.
Claims use since Dec. 31, 1924, on grinders and generators and since Jan. 19, 1925, on drills, reamers, and tappers.

Ser. No. 209,351. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JACK FROST BEVERAGE CO., Monaca, Pa. Filed Feb. 10, 1925.

JACK FROST

Particular description of goods.—Ginger Ale.
Claims use since Nov. 1, 1924.

Ser. No. 209,352. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KEEN KOLA MANUFACTURING CO., Dallas, Tex. Filed Feb. 10, 1925.

Mustang

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since 1907.

Ser. No. 209,389. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DITZLER COLOR CO., Detroit, Mich. Filed Feb. 11, 1925.



No claim is made to the words "Dependable Quality, Automotive Painting Materials, Detroit, U. S. A." except in connection with the balance of the mark.
Particular description of goods.—Japan Colors, Varnishes, Primers, Paint Enamels, Mixed Paints, Nitrocellulose Lacquers, Finishes, and Undercoatings, and Pyroxylin Enamel Finishes and Undercoatings.
Claims use since May, 1921.

Ser. No. 209,432. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLIVE K. SCHROEDER, doing business as Zatso Products Company, New York, N. Y. Filed Feb. 11, 1925.

Zatso

Particular description of goods.—Imitation Coffee.
Claims use since Jan. 11, 1924.

Ser. No. 209,437. (CLASS 37. PAPER AND STATIONERY.) HERBERT STOKES, doing business as Peridot Papers Company, New York, N. Y. Filed Feb. 11, 1925.

PERIDOT

While the drawing is lined in part to show the color green, it is to be understood that no special color is necessary.
Particular description of goods.—Toilet Paper, Shelf Paper, Paper Towels, Paper Napkins, and Waxed Paper.
Claims use since about April, 1921.

Ser. No. 209,459. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Feb. 12, 1925.

ARDEN

Particular description of goods.—Phonographs.
Claims use since Jan. 1, 1925.

Ser. No. 209,482. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LISTERATED GUM CORPORATION, New York, N. Y. Filed Feb. 12, 1925.

"LISCO"

Particular description of goods.—Chewing Gum.
Claims use since Jan. 29, 1925.

Ser. No. 209,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS MEYER COMPANY, INC., Brooklyn, N. Y. Filed Feb. 12, 1925.



Particular description of goods.—Lard.
Claims use since July, 1923.

Ser. No. 209,494. CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC COAST BISCUIT COMPANY, Seattle, Wash. Filed Feb. 12, 1925.



The portrait is that of George Washington.
Particular description of goods.—Cream Crackers.
Claims use since Jan. 7, 1924.

Ser. No. 209,560. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CALIFORNIA BOTTLING WORKS, Los Angeles, Calif. Filed Feb. 14, 1925.



Drawing is lined for red and blue.
Particular description of goods.—Nonalcoholic-Nonceteal, Maltless Beverages.
Claims use since April, 1922.

Ser. No. 209,577. (CLASS 12. CONSTRUCTION MATERIALS.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed Feb. 14, 1925.

PLANET

Particular description of goods.—Asphalt Roofing.
Claims use since Dec. 6, 1924.

Ser. No. 209,662. (CLASS 2. RECEPTACLES.) WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md. Filed Feb. 16, 1925.

GREEN STRIPE

The trade-mark consists in the words "Green Stripe" underlined by three green stripes. Drawing is lined for green.
Particular description of goods.—Canvas Mail Sacks, Coal Bags, Letter-Carrier Pouches, Coin Sacks, Sand Bags, Ballast Bags, Dye Bags, Orange-Pickers' Bags, Sugar Bags, Water Buckets, Oil-Press Bags, Newsboys' Delivery Bags, Clothes Bags, Feed Bags, Nose Bags, Ration Bags, Canvas Sacks, Yarn Bags, Game Bags, and Laundry Bags.
Claims use since Feb. 12, 1925.

Ser. No. 209,664. (CLASS 38. PRINTS AND PUBLICATIONS.) THE HOUSTON CHRONICLE PUBLISHING CO., Houston, Tex. Filed Feb. 16, 1925.

THE HOUSTON CHRONICLE

Trade-mark "The Houston Chronicle and Herald."
Particular description of goods.—Daily Newspaper.
Claims use since October, 1901.

Ser. No. 209,666. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS ASBESTOS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 16, 1925.

INSULEX

Particular description of goods.—Insulating Material.
Claims use since 1916.

Ser. No. 209,668. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS ASBESTOS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 16, 1925.



Particular description of goods.—Insulating Material Adapted to be Combined with Water and Thereafter to Expand and Hydraulically Set to Form a Rigid Cellular Structure.
Claims use since Nov. 26, 1924.

Ser. No. 209,681. (CLASS 5. ADHESIVES.) THE NOFLAT COMPANY, INC., New York, N. Y. Filed Feb. 16, 1925.

NOFLAT

Particular description of goods.—Compound or Substance for Sealing Automobile and Other Tires Against Punctures.
Claims use since Dec. 1, 1924.

Ser. No. 209,704. (CLASS 38. PRINTS AND PUBLICATIONS.) ALBERT SIMON, Chicago, Ill. Filed Feb. 16, 1925.

LOOSE ENDS

Particular description of goods.—Periodical in the Nature of an Advertising Medium.
Claims use since Nov. 8, 1924.

Ser. No. 209,721. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBUS GEAR & PUMP COMPANY, Columbus, Ohio. Filed Feb. 17, 1925.

HYDRELEC

Particular description of goods.—Electrical Engine and Belt Driven Power Pumps.
Claims use since Dec. 15, 1923.

Ser. No. 209,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. S. CONTAS BROTHERS, Boston, Mass. Filed Feb. 19, 1925.

DEMETRA

Particular description of goods.—Olive Oil.
Claims use since Jan. 1, 1921.

Ser. No. 209,849. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE JOHNS-PRATT COMPANY, Hartford, Conn. Filed Feb. 19, 1925.

SECO

Particular description of goods.—Electrical Switches.
Claims use since July 1, 1924.

Ser. No. 209,850. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE JOHNS-PRATT COMPANY, Hartford, Conn. Filed Feb. 19, 1925.

ACCO

Particular description of goods.—Electrical Switches.
Claims use since July 1, 1924.

Ser. No. 209,894. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BEWLEY MILLS, Fort Worth, Tex. Filed Feb. 20, 1925.

EGG-LAY

Particular description of goods.—Poultry Feed.
Claims use since Mar. 1, 1917.

Ser. No. 210,007. (CLASS 39. CLOTHING.) PETTIS DRY GOODS CO., Indianapolis, Ind. Filed Feb. 21, 1925.

LaQualis

Particular description of goods.—Hosiery.
Claims use since Apr. 14, 1924.

Ser. No. 210,029. (CLASS 39. CLOTHING.) ARNEY-BARNES COMPANY, Charleston, W. Va. Filed Feb. 24, 1925.

"HE"

Particular description of goods.—Men's Work Shirts.
Claims use since January, 1914.

Ser. No. 210,033. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE MILLING COMPANY, Winona, Minn. Filed Feb. 24, 1925.



Particular description of goods.—Wheat Flour.
Claims use since 1890.

Ser. No. 210,067. (CLASS 38. PRINTS AND PUBLICATIONS.) JULIAN MAAS, St. Louis, Mo. Filed Feb. 24, 1925.

TRANSLUSIGN

Particular description of goods.—Advertising Matter Made by Printing, Lithographing, or Any Process by Which Lettering or Designs May Be Made, Sold to the Trade as Such—Namely, Labels and Signs.
Claims use since July 12, 1923.

Ser. No. 210,070. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MISSISSIPPI CANE SYRUP CO. INC., New Orleans, La. Filed Feb. 24, 1925.

MISS-LOU

Particular description of goods.—Sirup for Food Purposes.
Claims use since Nov. 22, 1924.

Ser. No. 210,072. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as St. Edward Mills, Omaha, Nebr. Filed Feb. 24, 1925.

MARKOTA

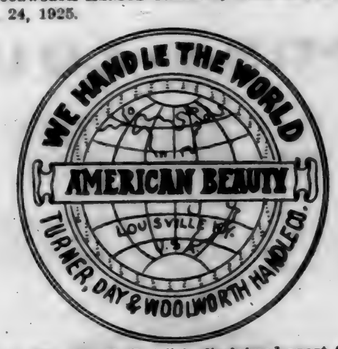
Particular description of goods.—Wheat Flour.
Claims use since Jan. 29, 1925.

Ser. No. 210,093. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark shown.
Particular description of goods.—Wooden Tool Handles.
Claims use since Jan. 1, 1910.

Ser. No. 210,096. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark shown.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,097. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,098. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,099. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.

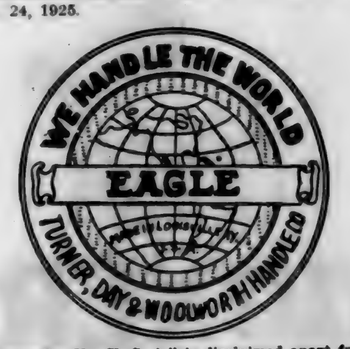


"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,100. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.

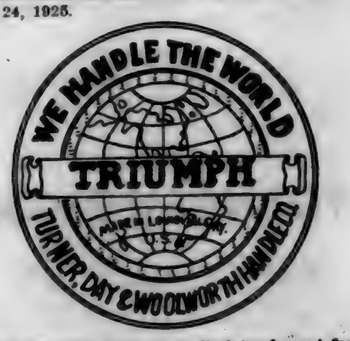


"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,102. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,103. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



"Louisville, Ky. U. S. A." is disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,136. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ORBIS PRODUCTS TRADING CO., INC., New York, N. Y. Filed Feb. 25, 1925.

ORBIS

Particular description of goods.—Powdered Egg Albumen and Powdered Egg Yolk Alone and in Combination with Each Other.

Claims use since Oct. 28, 1918.

Ser. No. 210,137. (CLASS 38. PRINTS AND PUBLICATIONS.) OXWELD ACETYLENE COMPANY, New York, N. Y. Filed Feb. 25, 1925.

The Inner Cone

Particular description of goods.—Monthly Periodical.

Claims use since Jan. 1, 1925.

Ser. No. 210,156. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo. Filed Feb. 26, 1925.



Particular description of goods.—Self-Rising Flour.

Claims use since November, 1923.

Ser. No. 210,200. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL PICTURES CORPORATION, New York, N. Y. Filed Feb. 26, 1925.



No claim is made to the word "Comedy" except as used with the other features of the mark.

Particular description of goods.—Moving Pictures.

Claims use since Jan. 14, 1925.

Ser. No. 210,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLAND FOOD CORPORATION, New York, N. Y. Filed Feb. 27, 1925.

HUM

Particular description of goods.—Butter.

Claims use since July 1, 1920.

Ser. No. 210,241. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) LONG ISLAND BEVERAGE COMPANY, INC., Astoria, N. Y. Filed Feb. 27, 1925.

Abso-Pur

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.

Claims use since Feb. 1, 1925.

Ser. No. 210,291. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PATRICK J. CUMMINGS, doing business as The Jewelry and Cutlery Novelty Company, North Attleboro, Mass. Filed Feb. 28, 1925.



Particular description of goods.—Pocketknives.

Claims use since Dec. 31, 1924.

Ser. No. 210,314. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PERMATYPE RECORD WRITING MACHINE COMPANY, Newark, N. J. Filed Feb. 28, 1925.

PERMATYPE

Particular description of goods.—Record-Writing Machines.
Claims use since Dec. 4, 1924.

Ser. No. 210,332. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TONG PUBLISHING COMPANY, Washington, D. C. Filed Feb. 28, 1925.

The National Democrat

Particular description of goods.—Weekly Newspaper.
Claims use since June, 1924.

Ser. No. 210,447. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CORN FIX CO., INC., Newark, N. J. Filed Mar. 3, 1925.

CORN FIX

Particular description of goods.—Remedy for Corns, Calli, and Bunions.
Claims use since Mar. 8, 1911.

Ser. No. 210,458. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

THREE STAR
★ ★ ★

Particular description of goods.—Bay Rum.
Claims use since July 30, 1921.

Ser. No. 210,460. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

RUBASEPTIC

Particular description of goods.—Antiseptic Solution.
Claims use since July 26, 1921.

Ser. No. 210,463. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

PYRETICON

Particular description of goods.—Antiseptic, Chemically Amidopyrin.
Claims use since Mar. 17, 1922.

Ser. No. 210,464. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

PETRAMOL

Particular description of goods.—Antiphlogistic Antipruritic Antiseptic.
Claims use since May 24, 1904.

Ser. No. 210,465. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Pine-Marrow

Particular description of goods.—Pine-Needle Extract.
Claims use since July 12, 1920.

Ser. No. 210,472. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Espanta-Insectos

Particular description of goods.—Insecticide.
Claims use since Nov. 24, 1923.

Ser. No. 210,473. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

DERMOLAN

Particular description of goods.—Nonirritating Local Anodyne Recommended for the Relief of All Itching Cutaneous Affections, Especially the Discomforts of Eczema, Pruritus, Erysipelas, Etc.
Claims use since May 9, 1910.

Ser. No. 210,474. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

BEACON LIGHT

Particular description of goods.—Cod-Liver Oil.
Claims use since May 6, 1918.

Ser. No. 210,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Keepex

Particular description of goods.—Water Glass.
Claims use since July 28, 1915.

Ser. No. 210,476. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

ICHTHOSAN

Particular description of goods.—Nonirritating Astringent and Antiseptic Ointment Containing as Active Medicinal Ingredients Ammonium Sulph-Ichthyol, Alum, and Carbolic Acid in Combination with a Suitable Emollient Base.
Claims use since Feb. 18, 1921.

Ser. No. 210,477. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

FUM-AROMAS

Particular description of goods.—Incense.
Claims use since Jan. 3, 1919.

Ser. No. 210,478. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

LIN-A-SOAP

Particular description of goods.—Green Soap.
Claims use since June 25, 1919.

Ser. No. 210,479. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

MITARGAN

Particular description of goods.—Silver Nucleinate.
Claims use since Oct. 29, 1919.

Ser. No. 210,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Aseptone

Particular description of goods.—Antiseptic and Deodorant.
Claims use since Apr. 1, 1921.

Ser. No. 210,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYSOL, INC., New York, N. Y. Filed Mar. 3, 1925.

COLLATONE

Particular description of goods.—Glue Preserver.
Claims use since June 18, 1924.

Ser. No. 210,492. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 3, 1925.

"Lansdowne"

Particular description of goods.—Men's Leather Shoes.
Claims use since Nov. 15, 1924.

Ser. No. 210,496. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MATHIESON ALKALI WORKS, New York, N. Y. Filed Mar. 3, 1925.

PURITE

Particular description of goods.—Desulphurizing and Refining Agent for Cast Iron, Etc.
Claims use since Feb. 21, 1925.

Ser. No. 210,536. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. DE ROQUEFEUIL, Paris, France. Filed Mar. 5, 1925.

Nuit de Montmartre

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Cream, Lotion for the Skin and Hair, Sachet, Brilliantine, Bath Salts, Rouge, and Dentifrices.
Claims use since July 20, 1924.

Ser. No. 210,547. (CLASS 38. PRINTS AND PUBLICATIONS.) GILES PRINTING COMPANY, INC., New York and Long Island City, N. Y. Filed Mar. 5, 1925.

Roto-Tone

Particular description of goods.—Magazines, Books, Pamphlets, Catalogues, Prints, Photographs, Lithographs, and Photolithographs.
Claims use since in or about October, 1924.

Ser. No. 210,548. (CLASS 38. PRINTS AND PUBLICATIONS.) GILES PRINTING COMPANY, INC., New York and Long Island City, N. Y. Filed Mar. 5, 1925.

Roto-Color

Particular description of goods.—Magazines, Books, Pamphlets, Catalogues, Prints, Photographs, Lithographs, and Photolithographs.
Claims use since on or about October, 1924.

Ser. No. 210,552. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Mar. 5, 1925.

U-COMBINE

Particular description of goods.—Flavoring Compound for Use in Food Products.
Claims use since Feb. 2, 1925.

Ser. No. 210,588. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY TETLOW COMPANY, Philadelphia, Pa. Filed Mar. 5, 1925.

Blue Moon

The trade-mark drawing is lined to indicate the color blue.
Particular description of goods.—Face Powder, Toilet Powder, Talcum Powder, and Perfume.
Claims use since November, 1919.

Ser. No. 210,615. (CLASS 39. CLOTHING.) FRANK P. HEID & CO. INC., New York, N. Y. Filed Mar. 6, 1925.

Airicap

Particular description of goods.—Caps for Men and Boys.
Claims use since about Feb. 20, 1925.

Ser. No. 210,616. (CLASS 38. PRINTS AND PUBLICATIONS.) J. CARROLL MANSFIELD, New York, N. Y. Filed Mar. 6, 1925.

HIGH LIGHTS OF HISTORY

Particular description of goods.—Title for Newspaper Strips.
Claims use since Nov. 17, 1924.

Ser. No. 210,632. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) UNGERER & COMPANY, INC., New York, N. Y. Filed Mar. 6, 1925.

IRISZONE

Particular description of goods.—Scenting Preparation Used in the Manufacture of Perfumes and Toilet Preparations.
Claims use since 1893.

Ser. No. 210,639. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID WROBLEWSKI, New York, N. Y. Filed Mar. 6, 1925.

REGINOL

Particular description of goods.—Preparation for Stomach, Throat, and Lungs, Chronic Coughs, Loss of Voice, Dyspepsia, Nervousness, It Assists in Building Up the System.
Claims use since June 1, 1914.

Ser. No. 210,647. (CLASS 38. PRINTS AND PUBLICATIONS.) DOUBLEDAY, PAGE & CO., Garden City, N. Y. Filed Mar. 7, 1925.

GARDEN MAGAZINE & HOME BUILDER

Particular description of goods.—Magazine Issued Monthly.
Claims use since September, 1924.

Ser. No. 210,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN G. FISHER, Los Angeles, Calif. Filed Mar. 7, 1925.

ALCHOTEC

Particular description of goods.—Testing Papers for Alcoholic Beverages.
Claims use since Feb. 20, 1925.

Ser. No. 210,660. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) FRANK GUYTON, doing business as Wellston Bottling Works, St. Louis, Mo. Filed Mar. 7, 1925.

GUYTON'S LIQUID CANDY

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage.
Claims use since Nov. 15, 1922.

Ser. No. 210,667. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE INDIAN HILL COMPANY, Chicago, Ill. Filed Mar. 7, 1925.

Indian Hill PALE Ginger Ale

No claim is made to the words "Pale Ginger Ale" apart from the mark shown in the drawing.
Particular description of goods.—Ginger Ale, a Non-alcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink, and Sirups for Making the Same.
Claims use since January, 1916.

Ser. No. 210,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE AMERICAN BOOSTER COMPANY, Detroit, Mich. Filed Mar. 9, 1925.

BOOSTER

Particular description of goods.—Hair Tonic.
Claims use since 1919.

Ser. No. 210,734. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARDEN P. KESSLER, doing business as The All Specialties Drug Company, Dayton, Ohio. Filed Mar. 9, 1925.

L. & T.

Particular description of goods.—Medicine for Constipation, Headache, and Nervous Conditions and All Troubles Arising from Colon Infection.
Claims use since Feb. 23, 1925.

Ser. No. 210,760. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMIL SIEBEL, doing business as Emil Siebel Company, St. Louis, Mo. Filed Mar. 9, 1925.

SIE-TABS

Particular description of goods.—Medicinal Preparation for the Relief of Billousness and Constipation.
Claims use since Nov. 1, 1924.

Ser. No. 210,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) AMERICAN KLORO PRODUCTS CO., Oakland, Calif. Filed Mar. 10, 1925.

KLORO

Particular description of goods.—Bleaching Fluid.
Claims use since Dec. 28, 1924.

Ser. No. 210,785. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed Mar. 10, 1925.

LA JACEE

Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Eau de Cologne, Lotion for the Skin and Hair, Brilliantine, Bath Salts, Rouges, Lip Sticks, Powder Compacts.
Claims use since Jan. 5, 1925.

Ser. No. 210,788. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORIAN INC., Des Moines, Iowa. Filed Mar. 10, 1925. Trade-mark consists of a silhouette.



Particular description of goods.—Face Powder, Tooth Paste, and Face Lotion.
Claims use since Nov. 12, 1923.

Ser. No. 210,796. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LESQUENDIEU, Paris, France. Filed Mar. 10, 1925.

ECLADOR

Particular description of goods.—Nail Polishes.
Claims use since Sept. 21, 1912.

Ser. No. 210,797. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LESQUENDIEU, Paris, France. Filed Mar. 10, 1925.

Faryoli

Particular description of goods.—Rouges.
Claims use since Feb. 21, 1922.

Ser. No. 210,798. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LESQUENDIEU, Paris, France. Filed Mar. 10, 1925.

FLOZOR

Particular description of goods.—Hair Coloring.
Claims use since Jan. 22, 1920.

Ser. No. 210,799. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH LESQUENDIEU, Paris, France. Filed Mar. 10, 1925.

FLO

Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Lotion for the Skin and Hair, Brilliantine, Rouges, and Dentifrices.
Claims use since July 2, 1923.

Ser. No. 210,826. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CAPITAL DRUG COMPANY, Sacramento, Calif. Filed Mar. 11, 1925.



Particular description of goods.—Mineral Bath Crystals.
Claims use since May 1, 1924.

Ser. No. 210,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENTA-GLO LABORATORY, Temple, Tex. Filed Mar. 11, 1925.

DENTA-GLO

Particular description of goods.—Liquid Tooth-Cleaning Preparation for Cleansing the Teeth and Removing Tartar, Stains, and Discolorations.
Claims use since Oct. 1, 1924.

Ser. No. 210,855. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PEDE-KUMFO CO., Fort Wayne, Ind. Filed Mar. 11, 1925.

Pede Kumfo

Particular description of goods.—Preparation for Deodorizing Shoes.
Claims use since December, 1924.

Ser. No. 210,898. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FERGGER-FOX DRUG COMPANY, Omaha, Nebr. Filed Mar. 12, 1925.

AKSARBEN

Particular description of goods.—Medicine Used in Cases of Rheumatism, Neuralgia, Sciatica, Paralysis, Lumbago, Lame Back, Stiff Joints, Pleurisy, Sore Throat, La Grippe, Asthma, Bronchitis, Lung Fever or Pneumonia, Sprains, Sore Feet, Swellings; Pains in Back, Stomach, Lungs, or Between Shoulders; and for Medicine Used in Cases of Stomach, Liver, Kidney, and Bladder Trouble, for the Relief of Indigestion, Constipation, Biliousness, Backache, Rheumatism Caused by a Diseased or Weakened Condition of the Organs of Digestion and Elimination.
Claims use since Jan. 1, 1920.

Ser. No. 210,903. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & CO., New York, N. Y. Filed Mar. 12, 1925.

Jasminette

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Aug. 11, 1910.

Ser. No. 210,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER PHARMACY CO., doing business as Polyclinic Medicine Co., Cincinnati, Ohio. Filed Mar. 12, 1925.

PHYLLIS

Particular description of goods.—Preparation for Hair Dressing and Grower, Shampoo, Dandruff, and Itching Scalp.
Claims use since about 1912.

Ser. No. 210,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Mar. 12, 1925.

SYR

Particular description of goods.—Brown Skin Face Powder, Complexion Powder, Deodorant Powder, Talcum Powder; Tooth Powder, Fly Powder, Cold Cream, Face Cream, Face Packs, Vanishing Cream, Cosmetic Lotion, Rouge, Lip Stick, Perfume, Toilet Water, Scalp Tonic, Shampoo Jelly, Coconut-Oil Shampoo, Hair Tonic, Hair Oils, Mouth Wash, Tooth Paste, Nail Polish, Eyebrow Pencil, Aspirin, Kidney and Bladder Pills, Cascara-Senna Tablets, Cathartic Liver Pills, Baking Powder, After-Dinner Tablets, Corn Salve, Digestive Tablets, Diuretic Tablets, Headache Tablets, Herb Tablets, Little Liver Pills, Rheumatic and Gout Pills, Stick Salve, Toothache Wax, Worm Tablets, Household Disinfectant, Fly Oil, Poultry Tonic, Hair Tonic, Hair Oils, and Sachet.
Claims use since Feb. 28, 1925.

Ser. No. 210,938. (CLASS 6. CHMEICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD WESLEY & CO., Cincinnati, Ohio. Filed Mar. 12, 1925.

HEET

Particular description of goods.—Liniment.
Claims use since on or about Feb. 2, 1925.

Ser. No. 210,974. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSUR M. NASSAR, Price Hill, Cincinnati, Ohio. Filed Mar. 13, 1925.

NASSAR

Particular description of goods.—Capsules for Headaches and Neuralgia.
Claims use since Jan. 26, 1924.

Ser. No. 210,980. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE RIGAUD, INC., New York, N. Y. Filed Mar. 13, 1925.

Henri Rigaud

Trade-Mark drawing consists of the facsimile signature of Henri Rignud.
Particular description of goods.—Face Powders.
Claims use since Feb. 10, 1925.

Ser. No. 211,645. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN STAINLESS STEEL COMPANY, Pittsburgh, Pa. Filed Mar. 26, 1925.

STAINLESS

Particular description of goods.—Iron or Steel Fabricated Products, Particularly Kitchen and Table Knives, Forks, and Spoons; Pen, Butcher, and Carving Knives; Shears, Scissors, Razors, Spatulas, Turbine Blades, Cleavers, and Pruning Knives.
Claims use since the year 1915.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 21, 1925.

197,464. BISCUITS AND CRACKERS. TRU-BLU BISCUIT COMPANY, Spokane, Wash.
Filed November 25, 1924. Serial No. 205,842. PUBLISHED JANUARY 20, 1925.

197,465. CERTAIN HOUSEHOLD LINENS, HANDKERCHIEFS, AND BLANKETS. T. D. WHITNEY COMPANY, Boston, Mass.
Filed November 22, 1924. Serial No. 205,720. PUBLISHED FEBRUARY 3, 1925.

197,466. COTTON, AND SILK AND COTTON FABRICS. H. R. KURTZ & Co. INC., New York, N. Y.
Filed November 20, 1924. Serial No. 205,607. PUBLISHED FEBRUARY 3, 1925.

197,467. MOVING PICTURES. RAYART PICTURES CORPORATION, New York, N. Y.
Filed November 19, 1924. Serial No. 205,550. PUBLISHED FEBRUARY 3, 1925.

197,468. LINIMENT. WILLIAM BONNAFANT, doing business as Wm. Bonnafant, Jr. & Co., Boston, Mass.
Filed November 19, 1924. Serial No. 205,511. PUBLISHED JANUARY 27, 1925.

197,469. NASAL CREAM. ABRAM R. WITT, doing business as Witt Pharmacal Co., New York, N. Y.
Filed November 18, 1924. Serial No. 205,508. PUBLISHED JANUARY 27, 1925.

197,470. MOTOR-FUEL INGREDIENT. POWER OIL & GAS COMPANY, Spokane, Wash.
Filed November 18, 1924. Serial No. 205,490. PUBLISHED JANUARY 13, 1925.

197,471. IODINE-COLLOID PREPARATION FOR THE TREATMENT OF CERTAIN AILMENTS. KOLIDS LABORATORIES, INC., New York, N. Y.
Filed November 18, 1924. Serial No. 205,484. PUBLISHED JANUARY 13, 1925.

197,472. CERTAIN MEDICINAL AND PHARMACEUTICAL PREPARATIONS. TUBBS MEDICINE CO., River Falls, Wis.
Filed November 17, 1924. Serial No. 205,455. PUBLISHED JANUARY 13, 1925.

197,473. PREPARATION FOR THE TREATMENT OF GOITER. GLENN D. FRYER, doing business as Kolar Laboratories, Fort Wayne, Ind.
Filed November 17, 1924. Serial No. 205,406. PUBLISHED JANUARY 13, 1925.

197,474. FACE MASSAGE CREAM AND SKIN CLEANSER. THE EXCELLANTAE LABORATORIES INC., Denver, Colo.
Filed November 17, 1924. Serial No. 205,403. PUBLISHED JANUARY 13, 1925.

197,475. MEDICINE FOR CERTAIN NAMED AILMENTS. THE CHLORINE PRODUCTS COMPANY, Indianapolis, Ind.
Filed November 17, 1924. Serial No. 205,398. PUBLISHED JANUARY 27, 1925.

197,476. WORKING CLOTHES—VIZ, OVERALLS, JACKETS, COATS, SHIRTS, PANTS, AND ONE-PIECE SUITS. WEST-NELSON MFG. CO., Little Rock, Ark.
Filed November 15, 1924. Serial No. 205,379. PUBLISHED JANUARY 27, 1925.

197,477. SILK PIECE GOODS. STEHLI SILKS CORPORATION, New York, N. Y.
Filed November 15, 1924. Serial No. 205,374. PUBLISHED FEBRUARY 3, 1925.

197,478. GAS-ENGINE PRIMERS. STAGO CO. INC., Grand Ledge, Mich.
Filed November 15, 1924. Serial No. 205,372. PUBLISHED JANUARY 27, 1925.

197,479. ANTISEPTIC. BIBLEK MANUFACTURING COMPANY, INC., doing business as The Doxin Laboratories, Pittsburgh, Pa.
Filed November 13, 1924. Serial No. 205,191. PUBLISHED FEBRUARY 3, 1925.

197,480. DUPLICATING MACHINES. DITTO, INCORPORATED, Chicago, Ill.
Filed November 8, 1924. Serial No. 204,999. PUBLISHED JANUARY 27, 1925.

197,481. SOAP. KARLSRUHER PARFUMERIE-UND TOILETTESEIFEN-FABRIK F. WOLFF & SOHN, GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Karlsruhe, Germany.
Filed November 7, 1924. Serial No. 204,066. PUBLISHED FEBRUARY 3, 1925.

197,482. PREPARATIONS FOR INTERNAL AND EXTERNAL USE IN LIQUID FORM, SEMILIQUID, OR SOLID FORM, IN SIRUP FORM, TABLET FORM, CANDY FORM, CREAM FORM, SALVE FORM, JELLY FORM, POWDER FORM, OR IN THE FORM OF PILLS RECOMMENDED FOR PREVENTING OR CORRECTING DISORDERS OF THE STOMACH. E. C. DE WITT & CO. INC., Chicago, Ill.
Filed November 6, 1924. Serial No. 204,898. PUBLISHED FEBRUARY 3, 1925.

197,483. PREPARATION FOR PYORRHEA, LOOSE TEETH, RECEDING GUMS, BLEEDING GUMS, GUMBOILS, SORE MOUTH AND THROAT. LOURANIA N. SMITH, doing business as Strong's Laboratories, Liberty, Mo.
Filed November 5, 1924. Serial No. 204,872. PUBLISHED JANUARY 13, 1925.

197,484. LIVER PILLS. HARRY H. GOOD, doing business as Dr. Tutt Mfg. Co., New York, N. Y.
Filed December 6, 1924. Serial No. 206,348. PUBLISHED FEBRUARY 3, 1925.

197,485. SALVE FOR THE RELIEF OF INFECTIONS, BURNS, BRUISES, SPRAINS, BOILS, OLD SORES, AND FOR REDUCING INFLAMMATION. FRANCES J. DOOLEY, Seattle, Wash.
Filed December 6, 1924. Serial No. 206,346. PUBLISHED FEBRUARY 3, 1925.

197,486. ROUGE, FACE POWDER, AND FACE CREAM. LA FLAMME COMPANY, Detroit, Mich.
Filed December 4, 1924. Serial No. 206,245. PUBLISHED JANUARY 13, 1925.

197,487. PHARMACEUTICAL PREPARATION AS AN ANTISEPTICAL MOUTH WASH. GEDEON RICHTER LABORATORIES, INC., New York, N. Y.
Filed December 4, 1924. Serial No. 206,237. PUBLISHED JANUARY 13, 1925.

197,488. DENTIFRICES. THE CHARLES H. PHILLIPS CHEMICAL CO., Glenbrook, Conn., and New York, N. Y.
Filed December 3, 1924. Serial No. 206,185. PUBLISHED JANUARY 27, 1925.

197,489. STOMACH CORRECTIVE LAXATIVE AND RELIEF FOR DYSPEPSIA. BONO DRUG CO., New York, N. Y.
Filed December 3, 1924. Serial No. 206,150. PUBLISHED JANUARY 27, 1925.

197,490. EYE LOTION. ELIZABETH W. KERR, Hollywood, Calif.
Filed December 2, 1924. Serial No. 206,120. PUBLISHED JANUARY 13, 1925.

197,491. CHEMICAL COMPOSITION FOR WEAKNESS, NERVOUSNESS, ANÆMIA, AND KINDRED AILMENTS. EZRA V. LEWIS, doing business as Glanacto Company, Fort Worth, Tex.
Filed December 1, 1924. Serial No. 206,076. PUBLISHED JANUARY 13, 1925.

197,492. CASEIN PLASTIC. KAROLITH CORPORATION, Long Island City, N. Y.
Filed December 1, 1924. Serial No. 206,073. PUBLISHED JANUARY 13, 1925.

197,493. PREPARATIONS OF AN OILY NATURE FOR TREATING TEXTILE FABRICS. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed December 1, 1924. Serial No. 206,070. PUBLISHED JANUARY 13, 1925.

197,494. LAND PLASTER. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed November 29, 1924. Serial No. 205,992. PUBLISHED JANUARY 27, 1925.

197,495. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed November 29, 1924. Serial No. 205,986. PUBLISHED FEBRUARY 3, 1925.

197,496. MACHINES FOR MAKING PAPER CUPS. AMERICAN CUPTOR CORPORATION, New York, N. Y.
Filed November 29, 1924. Serial No. 205,974. PUBLISHED JANUARY 27, 1925.

197,497. PILLS OR TABLETS TO BE TAKEN INTERNALLY FOR THE TREATMENT OF PILES. CHRIS MARX, doing business as The Kilpile Company, Detroit, Mich.
Filed November 28, 1924. Serial No. 205,936. PUBLISHED JANUARY 13, 1925.

197,498. CERTAIN TOILET PREPARATIONS. J. A. MARCHAU, INC., New York, N. Y.
Filed November 28, 1924. Serial No. 205,935. PUBLISHED JANUARY 13, 1925.

197,499. LIQUID FOR THE TREATMENT OF ARTHRITIS. LUITPOLD-WERK CHEMISCHE-PHARMACEUTISCHE FABRIK, Munich, Germany.
Filed November 28, 1924. Serial No. 205,933. PUBLISHED JANUARY 20, 1925.

197,500. LIQUID FOR THE TREATMENT OF ARTERIOSCLEROSIS. LUITPOLD-WERK CHEMISCHE-PHARMACEUTISCHE FABRIK, Munich, Germany.
Filed November 28, 1924. Serial No. 205,932. PUBLISHED JANUARY 20, 1925.

197,501. POWDER IN TABLET AND STYLUS (ROD) FORM FOR THE THERAPY OF GYNECOLOGICAL HEMORRHAGES. LUITPOLD-WERK CHEMISCHE-PHARMACEUTISCHE FABRIK, Munich, Germany.
Filed November 28, 1924. Serial No. 205,931. PUBLISHED JANUARY 20, 1925.

197,502. REMEDIES FOR ARTERIOSCLEROSIS, DISEASES OF THE CIRCULATION, VARICOSE VEINS, HEMORRHOIDS, TUMORS, AND DISEASES OF THE CIRCULATORY SYSTEM. JOSEPH ANDRÉ BERNARD DARDIGNAC, Lencloître, France.
Filed November 28, 1924. Serial No. 205,912. PUBLISHED JANUARY 13, 1925.

197,503. RUGS OF TEXTILE MATERIAL. PENNSYLVANIA WORKING HOME FOR BLIND MEN, Philadelphia, Pa.
Filed November 26, 1924. Serial No. 205,887. PUBLISHED FEBRUARY 3, 1925.

197,504. EPSOM SALT, BORACIC ACID, BORAX, SENNA LEAVES, FULLER'S EARTH FOR MEDICINAL USE, BAY RUM, MEDICINAL SWEET OIL, AND MEDICINAL CASTOR OIL. C. S. LITTELL & CO., INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,883. PUBLISHED JANUARY 27, 1925.

197,505. HEADACHE PILLS. C. S. LITTELL & CO., INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,882. PUBLISHED JANUARY 13, 1925.

197,506. COTTON PIECE GOODS. THE HARRIS COMPANY, INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,872. PUBLISHED FEBRUARY 3, 1925.

197,507. SULPHUR AND SULPHUR PRODUCTS. COLLOIDAL SULPHUR CORPORATION, Dover, Del., and Baltimore, Md.
Filed November 26, 1924. Serial No. 205,861. PUBLISHED JANUARY 27, 1925.

197,508. CERTAIN CHEMICAL SUBSTANCE OR MIXTURE. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y.
Filed November 26, 1924. Serial No. 205,857. PUBLISHED JANUARY 13, 1925.

197,509. SILK PIECE GOODS. EMPIRE SILK COMPANY, Wilmington, Del., and New York, N. Y.
Filed December 18, 1924. Serial No. 206,890. PUBLISHED FEBRUARY 10, 1925.

197,510. COMIC STRIPS OF A SYNDICATED SERVICE. THE BONNET-BROWN CORPORATION, Chicago, Ill.
Filed December 15, 1924. Serial No. 206,719. PUBLISHED FEBRUARY 3, 1925.

197,511. PHOTOGRAPHS. NEWS SYNDICATE CO., INC., New York, N. Y., assignor to Pacific & Atlantic Photos, Inc., New York, N. Y., a Corporation of New York.
Filed December 11, 1924. Serial No. 206,586. PUBLISHED FEBRUARY 3, 1925.

197,512. WORK SHIRTS. SALANT & SALANT, INC., New York, N. Y.
Filed December 8, 1924. Serial No. 206,436. PUBLISHED JANUARY 27, 1925.

197,513. FACE POWDERS AND ROUGES. V. VIVAUDOU, INC., New York, N. Y.
Filed December 4, 1924. Serial No. 206,263. PUBLISHED FEBRUARY 3, 1925.

197,514. OINTMENT FOR TREATING CROUP, COUGHS, TONSILLITIS, SORE THROAT, COLDS IN THE HEAD, AND IRRITATIONS OF THE SKIN. THE PINOLENE REMEDY COMPANY, Oklahoma City, Okla.
Filed December 4, 1924. Serial No. 206,256. PUBLISHED FEBRUARY 3, 1925.

197,515. WELDING COMPOUND. J. SWANSON, Seneca Falls, N. Y.
Filed December 2, 1924. Serial No. 206,136. PUBLISHED FEBRUARY 3, 1925.

197,516. SYNTHETIC MENTHOL. THE NEW YORK QUININE AND CHEMICAL WORKS, INC., New York, N. Y.
Filed December 2, 1924. Serial No. 206,123. PUBLISHED FEBRUARY 3, 1925.

197,517. CORN PLASTERS. JOHNSON & JOHNSON, New Brunswick, N. J.
Filed November 29, 1924. Serial No. 206,007. PUBLISHED FEBRUARY 3, 1925.

197,518. CAPSULES FOR THE TREATMENT OF OBESITY. JOSEPH KARLIN, doing business as Karlin Laboratories, New York, N. Y.
Filed November 29, 1924. Serial No. 206,005. PUBLISHED FEBRUARY 3, 1925.

197,519. COMPOUNDS FOR GRAINING AND FINISHING LEATHER. SEYMOUR M. HERMANN, New York, N. Y.
Filed November 29, 1924. Serial No. 206,003. PUBLISHED FEBRUARY 3, 1925.

197,520. MOTOR-FUEL COMPONENT. FUEL VITALIZER CO. (OF CALIFORNIA), Los Angeles and Glendale, Calif.
Filed November 26, 1924. Serial No. 205,868. PUBLISHED FEBRUARY 3, 1925.

197,521. ABRASIVE MATERIALS—NAMELY, VALVE-GRINDING COMPOUNDS. HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,249. PUBLISHED FEBRUARY 3, 1925.

197,522. CLEANERS COMPRISING SOLVENTS—NAMELY, TAR REMOVERS AND DRY CLEANERS. HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts.
Filed November 13, 1924. Serial No. 205,244. PUBLISHED FEBRUARY 3, 1925.

197,523. BOYS' CLOTHING. FORDON'S BOY'S SHOPS, New York, N. Y.
Filed October 30, 1924. Serial No. 204,591. PUBLISHED JANUARY 27, 1925.

197,524. VEGETABLE SOAP PREPARATION SOLD IN CANS FOR USE BY LABORERS AND TRADESMEN AND FOR CLEANING BATHTUBS, SINKS, PANS, PORCELAIN AND METAL SURFACES. NEEDMORE GRAY, doing business as Tri-W Soap Works, Granville, Ohio.
Filed October 23, 1924. Serial No. 204,315. PUBLISHED FEBRUARY 3, 1925.

197,525. FRICTION DRIVING AND HOLDING MECHANISMS. CHARLES MCPHERSON, Montreal, Quebec, Canada.
Filed October 18, 1924. Serial No. 204,106. PUBLISHED JANUARY 27, 1925.

197,526. STOCKINGS. FINERY SILK STOCKING CO., INC., New York, N. Y.
Filed October 17, 1924. Serial No. 204,021. PUBLISHED JANUARY 27, 1925.

197,527. CORN SIRUP. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed October 15, 1924. Serial No. 203,917. PUBLISHED JANUARY 27, 1925.

197,528. MOTION-PICTURE FILMS. IDEAL FILMS, LTD., London, England.
Filed May 31, 1924. Serial No. 197,883. PUBLISHED JANUARY 27, 1925.

197,529. RESILIENT LEATHER, RUBBER, FIBROUS, OR COMPOSITION SOLES FOR USE ON BOOTS, SHOES, AND SLIPPERS. ALFRED HALE RUBBER COMPANY, Atlantic, Quincy, Mass.
Filed August 29, 1924. Serial No. 202,012. PUBLISHED JANUARY 27, 1925.

197,530. CERTAIN NAMED MACHINERY AND TOOLS. THE WRIGHT MACHINE COMPANY, INC., Owensboro, Ky.
Filed August 15, 1924. Serial No. 201,476. PUBLISHED FEBRUARY 3, 1925.

197,531. HAIR NETS. TRANS-PACIFIC SALES COMPANY, New York, N. Y.
Filed December 27, 1921. Serial No. 157,189. PUBLISHED FEBRUARY 3, 1925.

197,532. SILK PIECE GOODS. PRESSMAN-GUTMAN SILK CO., Philadelphia, Pa.
Filed May 11, 1923. Serial No. 180,492. PUBLISHED FEBRUARY 3, 1925.

197,533. CERTAIN NAMED SELF-MEASURING PUMPS, AND CABINETS AND GREASING OUTFITS WITH MEASURING PUMP ATTACHED. THE BENNETT INJECTOR COMPANY, Muskegon, Mich.
Filed November 12, 1923. Serial No. 188,228. PUBLISHED JANUARY 27, 1925.

197,534. HIKING BREECHES AND RIDING BREECHES. PAUL G. WRIGHT, San Francisco, Calif.
Filed November 19, 1923. Serial No. 188,730. PUBLISHED JANUARY 27, 1925.

197,535. WOMEN'S UNDERWEAR AND NIGHT APPAREL. THE WARNER BROTHERS COMPANY, Bridgeport, Conn.
Filed December 21, 1923. Serial No. 189,993. PUBLISHED JANUARY 27, 1925.

197,536. NECKWEAR—NAMELY, NECKTIES AND CRAVATS. CLERMONT CRAVAT COMPANY, New York, N. Y.
Filed February 28, 1924. Serial No. 192,961. PUBLISHED JANUARY 27, 1925.

197,537. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. RICK KNITTING CO., Reading, Pa.
Filed April 21, 1924. Serial No. 195,911. PUBLISHED JANUARY 27, 1925.

197,538. WRAPPING PAPER. HUMMEL-ROSS FIBRE CORPORATION, Hopewell, Va.
Filed May 21, 1924. Serial No. 197,377. PUBLISHED NOVEMBER 11, 1924.

197,539. HOSIERY. H. T. FLEISHER, INCORPORATED, Philadelphia, Pa.
Filed June 19, 1924. Serial No. 198,796. PUBLISHED JANUARY 27, 1925.

197,540. COTTON, SILK, AND WOOLEN PIECE GOODS. THE BRADFORD DYEING ASSOCIATION, (U. S. A.), Bradford, R. I.
Filed July 3, 1924. Serial No. 199,526. PUBLISHED FEBRUARY 3, 1925.

197,541. KNITTED SILK FABRICS—VIZ, ARTIFICIAL SILK AND WOOL KNITTED CLOTH IN THE BOLT. THE BANNER SILK KNITTING MILLS, INC., New York, N. Y.
Filed August 1, 1924. Serial No. 200,802. PUBLISHED FEBRUARY 3, 1925.

197,542. GARMENT FOR WOMEN TO BE WORN AS A FIGURE-REDUCING UNDERGARMENT OR AS A BATHING GIRDLE UNDER THE BATHING SUIT. MODEL BRASSIERE CO. INC., New York, N. Y.
Filed August 11, 1924. Serial No. 201,250. PUBLISHED JANUARY 27, 1925.

197,543. MEN'S AND BOYS' SUITS. MIRANDA HERMANOS, San Juan, Porto Rico.
Filed September 11, 1924. Serial No. 202,513. PUBLISHED JANUARY 27, 1925.

197,544. BABY CARRIAGES AND DOLL CARRIAGES. ROBINSON-HALLUM MANUFACTURING COMPANY, Minneapolis, Minn.
Filed September 29, 1924. Serial No. 203,204. PUBLISHED JANUARY 20, 1925.

197,545. APPAREL FOR INFANTS AND LITTLE BOYS AND GIRLS UP TO TWELVE YEARS, INCLUDING BIBS, HATS, BONNETS, DRESSES, BOYS' SUITS, COATS, AND UNDERWEAR. KATHRYN ARLINGTON, doing business as Fairyland, New York, N. Y.
Filed October 4, 1924. Serial No. 203,397. PUBLISHED JANUARY 27, 1925.

197,546. CONDENSED AND EVAPORATED MILK. BARTRAM BROS., INC., New York, N. Y.
Filed October 11, 1924. Serial No. 203,712. PUBLISHED FEBRUARY 3, 1925.

197,547. HOPS. VICTOR NEUSTADTL, New York, N. Y.
Filed October 11, 1924. Serial No. 203,741. PUBLISHED DECEMBER 23, 1924.

197,548. HOPS. VICTOR NEUSTADTL, New York, N. Y.
Filed October 11, 1924. Serial No. 203,742. PUBLISHED DECEMBER 23, 1924.

197,549. PREPARATION FOR THE TREATMENT OF COUGHS AND INFLAMED CONDITION OF THE THROAT AND LUNGS. WILLIAM GEORGE HOLLEY, doing business as The Huestis Pharmacal Company, Fort Wayne, Ind.
Filed November 5, 1924. Serial No. 204,853. PUBLISHED JANUARY 20, 1925.

197,550. SUITS FOR MEN, YOUNG MEN, AND YOUTHS. BOYD-RICHARDSON CO., St. Louis, Mo.
Filed November 5, 1924. Serial No. 204,851. PUBLISHED DECEMBER 23, 1924.

197,551. MACHINE KNIVES. SIMONDS SAW AND STEEL COMPANY, Fitchburg, Mass.
Filed November 4, 1924. Serial No. 204,838. PUBLISHED JANUARY 27, 1925.

197,552. LINIMENTS. ARVID N. KJELLANDER, Norwalk, Conn.
Filed November 4, 1924. Serial No. 204,826. PUBLISHED JANUARY 13, 1925.

197,553. SYRINGE HYDROMETERS. SCRANTON GLASS INSTRUMENT COMPANY, Scranton, Pa.
Filed November 3, 1924. Serial No. 204,790. PUBLISHED JANUARY 27, 1925.

197,554. MOTOR-FUEL INGREDIENT. FRANK E. JUDD, Spokane, Wash.
Filed November 1, 1924. Serial No. 204,710. PUBLISHED JANUARY 20, 1925.

197,555. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed October 30, 1924. Serial No. 204,598. PUBLISHED FEBRUARY 3, 1925.

197,556. ROUGE, LIP STICK, COLD CREAM, FACE POWDER, PERFUME, AND TOILET WATER. CURT WALTER ARLT, Brooklyn, N. Y.
Filed October 30, 1924. Serial No. 204,581. PUBLISHED JANUARY 20, 1925.

197,557. FABRICS MADE FROM ANY FIBER. J. H. LANE & COMPANY, New York, N. Y.
Filed October 29, 1924. Serial No. 204,558. PUBLISHED FEBRUARY 3, 1925.

197,558. SOAPS. PENNSYLVANIA SOAP COMPANY OF LANCASTER, PA., doing business as Monarch Soap Co., Lancaster, Pa.
Filed October 24, 1924. Serial No. 204,371. PUBLISHED FEBRUARY 3, 1925.

197,559. MEDICAL PREPARATION FOR THE TREATMENT OF IRREGULAR AND PAINFUL MENSTRUATION, ULCERATION, ERUPTION OF THE SKIN, AND IMPURITIES OF THE BLOOD. R. A. DELGADO CARBONELL, doing business as The West Indies Medicine Co., New York, N. Y.
Filed October 23, 1924. Serial No. 204,306. PUBLISHED JANUARY 27, 1925.

197,560. SOAPS, SHOE POLISH, AND CLEANING POWDERS. CHARLES JACQUET, Marseille, France.
Filed October 21, 1924. Serial No. 204,234. PUBLISHED FEBRUARY 3, 1925.

197,561. HAIRDRESSING. CRYSTAL PRINCESS MANUFACTURING CO., Denver, Colo.
Filed October 21, 1924. Serial No. 204,222. PUBLISHED JANUARY 27, 1925.

197,562. CERTAIN TOILET PREPARATIONS. HERBERT C. WARDEN, Los Angeles, Calif.
Filed October 20, 1924. Serial No. 204,211. PUBLISHED JANUARY 13, 1925.

197,563. SKIN LOTIONS. SACHIA PRODUCTS CO., Los Angeles, Calif.
Filed October 20, 1924. Serial No. 204,199. PUBLISHED JANUARY 13, 1925.

197,564. LADIES' AND CHILDREN'S HOSE, HALF HOSE FOR MEN AND CHILDREN, LADIES' DRESSES; LADIES' UNDERWEAR OF KNITTED FABRIC—NAMELY, CAMISOLES, UNDERVESTS, KNICKERS, AND COMBINATIONS. BRITISH CELANESE LIMITED, London, England.
Filed October 18, 1924. Serial No. 204,084. PUBLISHED DECEMBER 16, 1924.

197,565. COSMETICS—VIZ, PERFUMES, FACE POWDER, LIP STICKS, FACE ROUGE, COLD CREAM, AND BATH SALTS. HICKSON, INC., New York, N. Y.
Filed October 17, 1924. Serial No. 204,028. PUBLISHED FEBRUARY 3, 1925.

197,566. SOLDERING FLUID. FLUX CHEMICAL COMPANY, New York, N. Y.
Filed October 15, 1924. Serial No. 203,880. PUBLISHED FEBRUARY 3, 1925.

197,567. CHEMICAL COMPOUND ADAPTED TO REMOVE TARNISHING IMPURITIES, SUCH AS SULPHIDES, FROM THE AIR. WOOLWORTH CHEMICAL COMPANY, Lititz, Pa.
Filed October 13, 1924. Serial No. 203,859. PUBLISHED JANUARY 20, 1925.

197,568. ANTIGEN OINTMENT FOR PERCUTANEOUS TREATMENT OF TUBERCULOSIS. E. MERCK, Darmstadt, Germany.
Filed October 13, 1924. Serial No. 203,831. PUBLISHED JANUARY 20, 1925.

197,569. PHOTOGRAPHS. NEWS SYNDICATE CO., INC., New York, N. Y., assignor to Pacific & Atlantic Photos, Inc., New York, N. Y., a Corporation of New York.
Filed December 11, 1924. Serial No. 206,587. PUBLISHED FEBRUARY 3, 1925.

197,570. MEN'S, YOUNG MEN'S, AND BOYS' CLOTHES, OVERCOATS; TWO-PIECE SUITS—VIZ, COATS AND TROUSERS; THREE-PIECE SUITS—VIZ, COATS, VESTS, AND TROUSERS; AND COATS, VESTS, AND TROUSERS SEPARATELY. CHAS. DOUGLIS MACK CO., New York, N. Y.
Filed December 11, 1924. Serial No. 206,563. PUBLISHED FEBRUARY 3, 1925.

197,571. RUBBER AND FABRIC APRONS, CHILDRENS' BIBS MADE OF RUBBER AND FABRIC, FABRIC APRONS, AND SCARFS AND BATHING CAPS. VERNART MANUFACTURING CORPORATION, New York, N. Y.
Filed December 9, 1924. Serial No. 206,501. PUBLISHED FEBRUARY 3, 1925.

197,572. CARBON BLACK. UNION POWER COMPANY, INC., Shreveport, La.
Filed December 9, 1924. Serial No. 206,500. PUBLISHED FEBRUARY 10, 1925.

197,573. SHOES MADE WHOLLY OR IN PART OF LEATHER. JOSEPH LOMBARDO, doing business as L. Lombardo & Sons, Newark, N. J.
Filed December 9, 1924. Serial No. 206,486. PUBLISHED FEBRUARY 3, 1925.

197,574. EMBROIDERY THREAD. JOSEPH B. KAUFMAN, doing business as J. B. Kaufman Co., Brooklyn, N. Y.
Filed December 9, 1924. Serial No. 206,484. PUBLISHED FEBRUARY 3, 1925.

197,575. PREPARATION FOR THE TREATMENT OF GOITER. HASEL H. EAKLE, doing business as Standard Remedy Company, Parkersburg, W. Va.
Filed December 9, 1924. Serial No. 206,480. PUBLISHED FEBRUARY 3, 1925.

197,576. FRUIT TREATING AND HANDLING MACHINERY INCLUDING WASHERS, CLEANERS, POLISHERS, COMBINED POLISHERS AND COMPOSITION APPLIERS, CONVEYERS, SOAKING TANKS, AND ELEVATORS. BROGDEX COMPANY, Winter Haven, Fla., and Los Angeles, Calif.
Filed December 9, 1924. Serial No. 206,474. PUBLISHED FEBRUARY 10, 1925.

197,577. PREPARATION FOR USE IN THE TREATMENT OF GASES IN THE STOMACH AND INTESTINES AND UNUSUAL ACIDITY OF THE STOMACH. NATHANIEL S. APPLEWHITE, Washington, D. C.
Filed December 9, 1924. Serial No. 206,470. PUBLISHED FEBRUARY 3, 1925.

197,578. ATHLETIC AND SPORT CLOTHING—NAMELY, CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,465. PUBLISHED FEBRUARY 3, 1925.

197,579. ATHLETIC AND SPORTS CLOTHING—NAMELY—CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,464. PUBLISHED FEBRUARY 3, 1925.

197,580. ATHLETIC AND SPORTS CLOTHING—NAMELY—CAPS, COATS, VESTS, TROUSERS, OUTER SHIRTS, SLICKERS, AND STOCKINGS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,462. PUBLISHED FEBRUARY 3, 1925.

197,581. INSECTICIDES. J. BOYD STONE, doing business as Esco Company, St. Louis, Mo.
Filed December 8, 1924. Serial No. 206,442. PUBLISHED FEBRUARY 3, 1925.

197,582. LOTION FOR FACE, HANDS, AND SKIN. THE W. H. AYRES COMPANY, Garrettsville, Ohio.
Filed December 8, 1924. Serial No. 206,392. PUBLISHED FEBRUARY 3, 1925.

197,583. ASTRINGENT AND ANTISEPTIC SOLUTION. THE OHIO MEDICAL PRODUCTS CO., Columbus, Ohio.
Filed December 6, 1924. Serial No. 206,364. PUBLISHED FEBRUARY 3, 1925.

197,584. LIQUID TREATMENT AND RELIEF FOR HORSES WHEN THEY HAVE COLD IN THE HEAD AND WHEN THE NOSE RUNS. PETER HOFFER, New York, N. Y.
Filed December 6, 1924. Serial No. 206,356. PUBLISHED FEBRUARY 3, 1925.

197,585. LIQUID TREATMENT AND RELIEF FOR NONPASSAGE OF WATER FOR HORSES. PETER HOFFER, New York, N. Y.
Filed December 6, 1924. Serial No. 206,355. PUBLISHED FEBRUARY 3, 1925.

197,586. PASTE TREATMENT AND RELIEF FOR SORE FEET FOR HORSES. PETER HOFFER, New York, N. Y.
Filed December 6, 1924. Serial No. 206,354. PUBLISHED FEBRUARY 3, 1925.

197,587. BUTTONS MADE OF CELLULOID. GEO. F. BERKANDER, Providence, R. I.
Filed December 6, 1924. Serial No. 206,339. PUBLISHED FEBRUARY 3, 1925.

197,588. HOSIERY FOR MEN, WOMEN, AND CHILDREN. LIDO HOSIERY SHOPS, INC., New York, N. Y.
Filed December 5, 1924. Serial No. 206,318. PUBLISHED FEBRUARY 3, 1925.

197,589. PAVING MATERIALS OF ASPHALT. THE UNITED STATES ASPHALT REFINING COMPANY, New York, N. Y.
Filed December 6, 1924. Serial No. 206,384. PUBLISHED FEBRUARY 3, 1925.

197,590. CIGARETTE BELTS OF LINEN, COTTON, AND THE LIKE. SOUTHERN ENDLESS BELT COMPANY, Petersburg, Va.
Filed November 14, 1924. Serial No. 205,290. PUBLISHED FEBRUARY 3, 1925.

197,591. COAL. THE RICE COAL COMPANY, Dayton, Ohio.
Filed August 11, 1924. Serial No. 201,263. PUBLISHED DECEMBER 2, 1924.

197,592. DISINFECTING CANDLES. CHARLES KATZENBERGER, Hoboken, N. J.
Filed December 3, 1924. Serial No. 206,170. PUBLISHED JANUARY 13, 1925.

197,593. SALVES OR OINTMENTS AND OILS AS REMEDIAL AGENTS FOR CERTAIN PURPOSES. EDWARD BENTON KNIGHT, doing business as E. Ben Knight, Penn Yan, N. Y.
Filed November 4, 1922. Serial No. 171,579. PUBLISHED AUGUST 26, 1924.

197,594. FURNITURE SLIDES. THE BERRECKER & ROWLAND MFG. CO., Waterville, Conn.
Filed November 21, 1922. Serial No. 172,317. PUBLISHED DECEMBER 11, 1923.

197,595. CERTAIN NAMED TOOLS, AND SPECIAL MACHINES AND TOOLS USUALLY BUILT TO ORDER AND COMPRISING GRINDING MACHINES, MATRIX-MAKING MACHINES, AND TAPPING MACHINES. NESTOR MANUFACTURING CO., INC., New York, N. Y.
Filed June 26, 1923. Serial No. 182,479. PUBLISHED JANUARY 27, 1925.

197,596. WHEAT FLOUR. HECKER-JONES-JEWELL MILLING COMPANY, New York, N. Y.
Filed July 16, 1923. Serial No. 183,292. PUBLISHED FEBRUARY 2, 1924.

197,597. CANDY. SCHWARZ & SON, Newark, N. J.
Filed October 24, 1923. Serial No. 187,442. PUBLISHED FEBRUARY 3, 1925.

197,598. PERFUME. LIONEL TRADING CO. INC., New York, N. Y.
Filed October 31, 1923. Serial No. 187,752. PUBLISHED JANUARY 13, 1925.

197,599. LAUNDRY AND TOILET SOAP AND SOAP CHIPS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 31, 1923. Serial No. 187,774. PUBLISHED FEBRUARY 3, 1925.

197,600. BATHROOM FIXTURES, PARTICULARLY THE SEATS, COVERS, AND HINGES FOR THE SEATS AND COVERS OF TOILETS. WOODWARD-WAGNER COMPANY, Philadelphia, Pa.
Filed December 3, 1923. Serial No. 189,179. PUBLISHED JANUARY 27, 1925.

197,601. OUTER GARMENTS—NAMELY, COATS, VESTS, TROUSERS, KNICKERS, AND OVERCOATS FOR MEN, YOUNG MEN, AND BOYS. ISAAC APPELBAUM, Philadelphia, Pa.
Filed January 22, 1924. Serial No. 191,119. PUBLISHED APRIL 22, 1924.

197,602. SOLUTION TO BE APPLIED TO VEHICLE WINDSHIELDS FOR THE PREVENTION OF THE COLLECTION OF DIRT, MOISTURE, STEAM, ETC., THEREON. FRANK P. SULLIVAN, New York, N. Y., assignor to Sullivan and Schaffhauser, New York, N. Y., a Firm composed of Frank P. Sullivan and Henry Schaffhauser.
Filed February 2, 1924. Serial No. 191,727. PUBLISHED FEBRUARY 3, 1925.

197,603. COCOA, COFFEE, TEA, AND RICE. S. ALEXANDER SCHONBRUNN, doing business as S. A. Schonbrunn & Company, New York, N. Y.
Filed February 9, 1924. Serial No. 192,093. PUBLISHED FEBRUARY 3, 1925.

1197,604. CANNED TOMATOES. THE UTAH CANNING COMPANY, Ogden, Utah.
Filed February 26, 1924. Serial No. 192,863. PUBLISHED JANUARY 27, 1925.

197,605. FOOD COMPOUND COMPRISING MAYONNAISE, VEGETABLES, AND PICKLES USED AS A SALAD DRESSING, RELISH, OR SANDWICH SPREAD. THE AMOS-JAMES GROCER CO., St. Louis, Mo.
Filed March 17, 1924. Serial No. 193,883. PUBLISHED FEBRUARY 3, 1925.

197,606. WHISKY. ANTHONY R. FIORITA, doing business as Old Yellow Label Dist. Co., Moberly, Mo.
Filed March 24, 1924. Serial No. 194,344. PUBLISHED JULY 29, 1924.

197,607. COFFEE. BRINER-NULL COFFEE COMPANY, Vincennes, Ind.
Filed May 15, 1924. Serial No. 197,062. PUBLISHED JANUARY 27, 1925.

197,608. ROACH, ANT, AND WATER-BUG EXTERMINATOR IN POWDERED FORM. HARRY F. DE LORME, doing business as City Exterminating Company, Chicago, Ill.
Filed May 19, 1924. Serial No. 197,262. PUBLISHED AUGUST 26, 1924.

197,609. AUTOMATIC STAMPING MACHINES. GEORGE G. MEVI, New York, N. Y.
Filed June 19, 1924. Serial No. 198,815. PUBLISHED DECEMBER 2, 1924.

197,610. SANDWICH BUTTER (COMPOSED OF PURE BUTTER AND SEASONING INGREDIENTS). JULIA E. TWOHEY, Boston, Mass.
Filed May 22, 1924. Serial No. 197,460. PUBLISHED FEBRUARY 3, 1925.

197,611. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed July 3, 1924. Serial No. 199,581. PUBLISHED FEBRUARY 3, 1925.

197,612. COTTON PIECE GOODS—NAMELY, BROADCLOTH USED FOR GARMENTS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed July 9, 1924. Serial No. 199,767. PUBLISHED FEBRUARY 3, 1925.

197,613. MIRRORS FOR MOTOR VEHICLES. KALES STAMPING COMPANY, Detroit, Mich.
Filed November 24, 1924. Serial No. 205,761. PUBLISHED JANUARY 27, 1925.

197,614. PACKINGS FOR WEARING AND BEARING PARTS OF MACHINERY AND MECHANICAL DEVICES, BEING MADE OF ASBESTOS YARN LUBRICATED WITH A GRAPHITE GREASE LUBRICANT. GREENE, TWEED & CO., New York, N. Y.
Filed November 25, 1924. Serial No. 205,825. PUBLISHED JANUARY 27, 1925.

197,615. MATERIALS AND APPARATUS FOR PREPARING AND FOR TREATING COLDS AND SIMILAR AILMENTS WITH CHLORINE GAS. JAMES H. S. ELLIS, doing business as Anticold Society, Chicago, Ill.
Filed November 26, 1924. Serial No. 205,863. PUBLISHED FEBRUARY 3, 1925.

197,616. PORTLAND CEMENT. THE GLENS FALLS PORTLAND CEMENT CO., Glens Falls, N. Y.
Filed November 26, 1924. Serial No. 205,870. PUBLISHED JANUARY 27, 1925.

197,617. BIMONTHLY MAGAZINE PERTAINING TO WOODWORKING MACHINERY. MATTISON MACHINE WORKS, Rockford, Ill.
Filed November 28, 1924. Serial No. 205,938. PUBLISHED FEBRUARY 3, 1925.

197,618. COLLARS, NECKBANDS FOR DRESS AND NEGLIGEE SHIRTS, AND NEGLIGEE SHIRTS WITH COLLARS ATTACHED. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed November 28, 1924. Serial No. 205,940. PUBLISHED FEBRUARY 3, 1925.

197,619. MAYONNAISE. A. E. WRIGHT COMPANY, Chicago, Ill.
Filed November 28, 1924. Serial No. 205,971. PUBLISHED FEBRUARY 3, 1925.

197,620. KNIFE SHARPENERS. ACE HARDWARE MFG. CORP'N., Philadelphia, Pa.
Filed November 29, 1924. Serial No. 205,972. PUBLISHED FEBRUARY 3, 1925.

197,621. BOOKS CONTAINING PUZZLES. JOSEPH E. AUSTRIAN, New York, N. Y.
Filed November 29, 1924. Serial No. 205,983. PUBLISHED FEBRUARY 3, 1925.

197,622. CANE MILLS. BUFFALO FORGE COMPANY, Buffalo, N. Y.
Filed November 29, 1924. Serial No. 205,990. PUBLISHED FEBRUARY 10, 1925.

197,623. CERTAIN NAMED FOOT CORRECTIVE APPLIANCES. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed December 1, 1924. Serial No. 206,081. PUBLISHED FEBRUARY 3, 1925.

197,624. COTTON PIECE GOODS. THE CALICO PRINTERS' ASSOCIATION, LIMITED, Manchester, England.
Filed December 2, 1924. Serial No. 206,110. PUBLISHED FEBRUARY 3, 1925.

197,625. GREETING CARDS. RUST CRAFT PUB. INC., Boston, Mass.
Filed December 2, 1924. Serial No. 206,192. PUBLISHED FEBRUARY 3, 1925.

197,626. LEATHER MITTENS AND GLOVES. SARANAC GLOVE COMPANY, Littleton, N. H.
Filed December 3, 1924. Serial No. 206,193. PUBLISHED FEBRUARY 3, 1925.

197,627. LAWN SPRINKLERS. THE SKINNER IRRIGATION COMPANY, Troy, Ohio.
Filed December 3, 1924. Serial No. 206,197. PUBLISHED FEBRUARY 3, 1925.

197,628. SOLES AND HALF SOLES MADE OF RUBBER AND FABRIC FOR FOOTWEAR. LAING, HARRAR & CHAMBERLIN, doing business as Roamer Rubber Co., Philadelphia, Pa.
Filed December 4, 1924. Serial No. 206,244. PUBLISHED FEBRUARY 3, 1925.

197,629. MONTHLY MAGAZINE. CONSTRUCTIVE PUBLISHING CORPORATION, New York, N. Y.
Filed December 5, 1924. Serial No. 206,278. PUBLISHED FEBRUARY 3, 1925.

197,630. [WITHDRAWN.]

197,631. LUG STRAPS MADE OF CANVAS, LEATHER, AND WOOD FOR USE IN LOOM STRAPPING. THE E. H. JACOBS MANUFACTURING COMPANY, Danielson, Conn.
Filed December 5, 1924. Serial No. 206,309. PUBLISHED FEBRUARY 3, 1925.

197,632. LUG STRAPS MADE OF CANVAS, LEATHER, AND WOOD FOR USE IN LOOM STRAPPING. THE E. H. JACOBS MANUFACTURING COMPANY, Danielson, Conn.
Filed December 5, 1924. Serial No. 206,310. PUBLISHED FEBRUARY 3, 1925.

197,633. CANNED SHRIMP, ROLLED OATS, COCOA, MINCEMEAT, SLICED BEEF, PEANUT BUTTER, TOMATO CATCHUP, AND TABLE SIRUP. OPPENHEIM-MCEWAN CO., INC., Albany, N. Y.
Filed September 22, 1924. Serial No. 202,886. PUBLISHED FEBRUARY 3, 1925.

197,634. WHEAT FLOUR, BREAD, AND CAKES. YOUMA (ENGLAND) LTD., London, England.
Filed September 25, 1924. Serial No. 203,065. PUBLISHED JANUARY 13, 1925.

197,635. PIE-JUICE SAVERS. FRANK EUGENE KEYES, Los Angeles, Calif.
Filed October 1, 1924. Serial No. 203,276. PUBLISHED FEBRUARY 10, 1925.

197,636. DENTAL CASTS, FORMS, MODELS OF TEETH, GUM STRUCTURES, DISPLAY STANDS THEREFOR, DENTAL PLATES, AND BRIDGE WORK. COLUMBIA DENTAL & X-RAY CORPORATION, New York, N. Y.
Filed October 3, 1924. Serial No. 203,370. PUBLISHED FEBRUARY 10, 1925.

197,637. MEN'S SUITS, MEN'S COATS, MEN'S VESTS, MEN'S TOPCOATS, MEN'S KNICKERS, MEN'S CAPS, AND MEN'S TROUSERS. TRIPLEWEAR CORPORATION, Chicago, Ill.
Filed October 6, 1924. Serial No. 203,492. PUBLISHED FEBRUARY 3, 1925.

197,638. BUILDING CEMENT AND STUCCO. FIRESTONE STUCCO COMPANY, Cincinnati, Ohio.
Filed October 8, 1924. Serial No. 203,564. PUBLISHED JANUARY 27, 1925.

197,639. FINISHING-COAT PLASTERING MATERIAL. ASH GROVE LIME AND PORTLAND CEMENT COMPANY, Portland, Me., and Kansas City, Mo.
Filed October 11, 1924. Serial No. 203,708. PUBLISHED JANUARY 27, 1925.

197,640. CHEESE. MUTHER & CIE., Schupfheim, Switzerland.
Filed October 11, 1924. Serial No. 203,740. PUBLISHED FEBRUARY 3, 1925.

197,641. HOSIERY AND UNDERWEAR OF KNITTED OR TEXTILE FABRIC. EDWARD E. ELLES, Herrin, Ill.
Filed October 17, 1924. Serial No. 204,019. PUBLISHED FEBRUARY 3, 1925.

197,642. LADIES' HOSIERY. RICHARD MUNSEY WATKINS, doing business as Watkins Hosiery Mills, Chattanooga, Tenn.
Filed October 17, 1924. Serial No. 204,074. PUBLISHED FEBRUARY 3, 1925.

197,643. IMITATION LEATHER. THE BURKHARDT COMPANY, INC., Detroit, Mich.
Filed October 20, 1924. Serial No. 204,155. PUBLISHED JANUARY 27, 1925.

197,644. GARTERS. A. STEIN & COMPANY, Chicago, Ill.
Filed October 20, 1924. Serial No. 204,207. PUBLISHED FEBRUARY 3, 1925.

197,645. PREPARATION FOR THE TREATMENT OF BURNS. MAE AND GEORGAE, Washington, D. C.
Filed September 10, 1924. Serial No. 202,454. PUBLISHED FEBRUARY 3, 1925.

197,646. DROP BRAKE SHAFTS, GEARED BRAKES, DROP-HANDLE RATCHET BRAKES, COUPLER-CENTERING DEVICES, COUPLER-RELEASE RIG BRACKETS AND CONNECTIONS, FREIGHT-CAR VENTILATORS, FREIGHT-CAR TANK SUPPORTS, FREIGHT-CAR HANDHOLE COVERS, FREIGHT-CAR METAL LADDERS, FREIGHT-CAR METAL ROOFS, AND FREIGHT-CAR COLLAPSIBLE REFRIGERATOR BULKHEADS. UNION RAILWAY EQUIPMENT CO., Chicago, Ill.
Filed August 25, 1924. Serial No. 201,866. PUBLISHED JANUARY 27, 1925.

197,647. IGNITION PELLETS USED WITH GRIPPING DEVICES FOR SAME. PHOS A.-G., Zurich, Switzerland.
Filed August 25, 1924. Serial No. 201,856. PUBLISHED FEBRUARY 3, 1925.

197,648. BUTTER AND EGGS. DENGLER & MORHRING, Rochester, N. Y.
Filed August 22, 1924. Serial No. 201,742. PUBLISHED JANUARY 27, 1925.

197,649. NARROW ELASTIC WEBS. GEO. S. COLTON ELASTIC WEB CO., Easthampton, Mass.
Filed August 11, 1924. Serial No. 201,221. PUBLISHED FEBRUARY 3, 1925.

197,650. WOOLEN PIECE GOODS. CO-OPERATIVE WHOLESALE SOCIETY, LIMITED, Manchester, England.
Filed August 8, 1924. Serial No. 201,124. PUBLISHED FEBRUARY 3, 1925.

197,651. BRONZING LIQUID, RAW LINSEED OIL, AND SPIRITS OF TURPENTINE FOR TECHNICAL USE. THE OWL DRUG COMPANY, San Francisco, Calif.
Filed August 7, 1924. Serial No. 201,098. PUBLISHED FEBRUARY 3, 1925.

197,652. RODS, WIRE, SHEETS, AND CASTINGS OF NONFERROUS METALS, SUCH AS BRASS, NICKEL, NICKEL SILVER, BRONZE, GERMAN SILVER, PHOSPHOR BRONZE, AND RICH LOW BRASS. T. E. CONKLIN BRASS & COPPER CO., INC., New York, N. Y.
Filed July 30, 1924. Serial No. 200,711. PUBLISHED FEBRUARY 3, 1925.

197,653. RUST SOLVENT AND PENETRATING OIL. LOUIS GODDARD NICHOLSON, doing business as The Rolesasil Company, Montreal, Canada.
Filed July 10, 1924. Serial No. 199,848. PUBLISHED JANUARY 13, 1925.

197,654. STOVE ENAMEL. J. L. PRESCOTT COMPANY, New York, N. Y.
Filed July 9, 1924. Serial No. 199,803. PUBLISHED FEBRUARY 3, 1925.

197,655. PREPARATION TO EXTERMINATE INSECTS OR PESTS ON POULTRY AND ANIMALS. FRED W. PALIS, Jr., doing business as Palis-Boren Manufacturing Company, Kansas City, Mo.
Filed July 17, 1924. Serial No. 200,153. PUBLISHED JANUARY 27, 1925.

197,656. LAUNDRY BLUE. J. L. PRESCOTT COMPANY, New York, N. Y.
Filed July 9, 1924. Serial No. 199,799. PUBLISHED JANUARY 27, 1925.

197,657. PREPARATION FOR THE TREATMENT OF DISEASES IN POULTRY. FRED W. PALIS, Jr., doing business as Palis-Boren Manufacturing Company, Kansas City, Mo.
Filed July 17, 1924. Serial No. 200,154. PUBLISHED JANUARY 27, 1925.

197,658. OLIVE OIL. BREWER & COMPANY, INC., Worcester, Mass.
Filed July 24, 1924. Serial No. 200,424. PUBLISHED FEBRUARY 3, 1925.

197,659. TITLE FOR CARTOONS IN NEWSPAPER PUBLICATIONS. ASSOCIATED EDITORS INC., Chicago, Ill.
Filed August 1, 1924. Serial No. 200,798. PUBLISHED FEBRUARY 10, 1925.

197,660. MALT EXTRACTS FOR FOOD PURPOSES. K. M. & S. PRODUCTS CO., Buffalo, N. Y.
Filed August 12, 1924. Serial No. 201,294. PUBLISHED JANUARY 20, 1925.

197,661. CERTAIN HOUSEHOLD LINENS. A. S. HERRMANN, INC., New York, N. Y.
Filed August 14, 1924. Serial No. 201,402. PUBLISHED FEBRUARY 3, 1925.

197,662. LAXATIVE. JOY CHEMICAL CO., INC., Brooklyn, N. Y.
Filed August 15, 1924. Serial No. 201,458. PUBLISHED JANUARY 27, 1925.

197,663. COUGH SIRUP. ABRAHAM L. BOYD, Sacramento, Calif.
Filed August 20, 1924. Serial No. 201,647. PUBLISHED JANUARY 13, 1925.

197,664. COTTON AND JUTE WALL-COVERING FABRICS. H. B. WIGGIN'S SONS CO., Bloomfield, N. J.
Filed August 21, 1924. Serial No. 201,729. PUBLISHED FEBRUARY 3, 1925.

197,665. COTTON PIECE GOODS. HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y.
Filed August 22, 1924. Serial No. 201,755. PUBLISHED FEBRUARY 10, 1925.

197,666. COTTON PIECE GOODS. HUNTER MANUFACTURING & COMMISSION CO., New York, N. Y.
Filed August 22, 1924. Serial No. 201,753. PUBLISHED FEBRUARY 10, 1925.

197,667. SOLVENTS FOR CLEANING DRAIN OR WASTE PIPES, ETC. STEPHENSON CHEMICAL CO., INC, Chicago, Ill.
Filed September 8, 1924. Serial No. 202,363. PUBLISHED JANUARY 13, 1925.

197,668. CANNED FOODS—NAMELY, TONGUE, BOILED MUTTON, SARDINES; CHICKEN, HAM, AND TONGUE GALANTINE; CORNED BEEF, CORNED MUTTON, OXTONGUE, PEAS, AND RABBITS. ANGUS WATSON & COMPANY LIMITED, Newcastle-on-Tyne, England.
Filed September 15, 1924. Serial No. 202,648. PUBLISHED FEBRUARY 3, 1925.

197,669. CERTAIN BED LINENS AND TABLE LINENS AND CURTAINS. EVERICK MANUFACTURING CO. INC., New York, N. Y.
Filed September 27, 1924. Serial No. 203,114. PUBLISHED FEBRUARY 3, 1925.

197,670. NUT-CRACKING TOOL. AUGUST C. GUHL, Chicago, Ill.
Filed October 8, 1924. Serial No. 203,567. PUBLISHED JANUARY 27, 1925.

197,671. MEDICINE FOR DISORDERS OF THE STOMACH, LIVER, AND BOWELS. J. L. HUTCHINSON, doing business as Pacific Coast Drug Company, Seattle, Wash.
Filed October 13, 1924. Serial No. 203,520. PUBLISHED JANUARY 20, 1925.

197,672. COTTON PIECE GOODS. BRAND & OPPENHEIMER, INCORPORATED, New York, N. Y.
Filed October 11, 1924. Serial No. 203,716. PUBLISHED FEBRUARY 3, 1925.

197,673. CANNED FISH, CANNED FRUITS, EVAPORATED CANNED MILK, CANNED VEGETABLES, PRESERVED FRUITS, JAMS, DRIED FRUITS, COFFEE, TEA, FOOD-FLAVORING EXTRACTS, COCOA, PREPARED MUSTARDS, PEANUT BUTTER, OLIVES, PICKLES, CATCHUP, CHILI SAUCE, SALAD DRESSING, SPICES, TABLE SIRUP, AND VINEGAR. DES MOINES WHOLESALE GROCER CO., Des Moines, Iowa.
Filed March 26, 1924. Serial No. 194,437. PUBLISHED FEBRUARY 3, 1925.

197,674. SUGAR WAFERS. LOOSE-WILES BISCUIT COMPANY, Kansas City, Mo.
Filed March 27, 1924. Serial No. 194,552. PUBLISHED FEBRUARY 3, 1925.

197,675. ABDOMINAL BELTS, TRUSSES, SUSPENSORIES, ELASTIC HOSIERY, ATHLETIC SUPPORTERS, SANITARY BELTS, SANITARY APRONS, SANITARY NAPKINS, SURGICAL CORSETS, AND BODY BRACES. JAMES J. MACKEMAN, doing business as Renata Supply Company, Boston, Mass.
Filed April 4, 1924. Serial No. 195,018. PUBLISHED FEBRUARY 10, 1925.

197,676. HOSIERY, UNDERWEAR, AND SWEATERS. SIMON COHEN, Hartford, Conn.
Filed April 22, 1924. Serial No. 195,947. PUBLISHED FEBRUARY 3, 1925.

197,677. MATCHES. LANDORFF & CO., INCOR., New York, N. Y.
Filed May 13, 1924. Serial No. 196,961. PUBLISHED FEBRUARY 3, 1925.

197,678. MIXED COTTON AND RUBBER CLOTH. SOL H. SHONINGER, doing business as The Solvos Company, Chicago, Ill.
Filed May 22, 1924. Serial No. 197,454. PUBLISHED JANUARY 27, 1925.

197,679. MARBLE AND STONE. CARLO FABBRICOTTI E B. FABBRICOTTI E FIGLI, Carrara, Italy.
Filed May 23, 1924. Serial No. 197,472. PUBLISHED JANUARY 27, 1925.

197,680. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS. BEN WADE, Leeds, England.
Filed May 24, 1924. Serial No. 197,571. PUBLISHED FEBRUARY 3, 1925.

197,681. WHEAT FLOUR AND BREAKFAST CEREALS. FISHER FLOURING MILLS COMPANY, Seattle, Wash.
Filed May 26, 1924. Serial No. 197,593. PUBLISHED FEBRUARY 3, 1925.

197,682. CERTAIN NAMED FOOD PRODUCTS. BURK & BRAUN, Cottbus, Germany.
Filed May 27, 1924. Serial No. 197,655. PUBLISHED FEBRUARY 3, 1925.

197,683. SPRING LUBRICANTS. GRIPITE COMPANY, Chicago, Ill.
Filed June 2, 1924. Serial No. 197,932. PUBLISHED NOVEMBER 25, 1924.

197,684. PERFUMES. FRANK WOLF, Brooklyn, N. Y.
Filed June 20, 1924. Serial No. 198,924. PUBLISHED JANUARY 27, 1925.

197,685. CROCKERY, CHINA, AND POTTERY. NATHAN STRAUS & SONS, INC., New York, N. Y.
Filed June 21, 1924. Serial No. 198,971. PUBLISHED FEBRUARY 3, 1925.

197,686. PUMP VALVES, PUMPS, AND PUMP FITTINGS, SUCKER RODS, AND SUCKER-ROD COUPLINGS. AXELSON MACHINE COMPANY, Los Angeles, Calif.
Filed June 23, 1924. Serial No. 198,978. PUBLISHED FEBRUARY 3, 1925.

197,687. PERIODICAL PUBLICATION. NORRISTOWN HOSIERY MILLS, Lansdale, Pa.
Filed June 26, 1924. Serial No. 199,180. PUBLISHED JANUARY 20, 1925.

197,688. KNITTED DRESSES, SWEATERS, AND SUITS. PEERLESS SWEATER MILLS, INC., New York, N. Y.
Filed July 5, 1924. Serial No. 199,645. PUBLISHED FEBRUARY 3, 1925.

197,689. COTTON PIECE GOODS—NAMELY, COTTON CRÊPE. LIBERTY & CO. LIMITED, London, England.
Filed July 14, 1924. Serial No. 200,001. PUBLISHED FEBRUARY 3, 1925.

197,690. MILK AND CREAM. THE GINTER COMPANY, Boston, Mass.
Filed July 23, 1924. Serial No. 200,391. PUBLISHED FEBRUARY 3, 1925.

197,691. PREPARED STOCK FEED. MOORMAN MFG. CO., Quincy, Ill.
Filed July 23, 1924. Serial No. 200,404. PUBLISHED FEBRUARY 3, 1925.

197,692. AWNING STRIPES AND TICKING. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed May 9, 1924. Serial No. 200,665. PUBLISHED FEBRUARY 3, 1925.

197,693. CROCHET COTTONS, SKEIN LINEN, SKEIN SILK, SKEIN COTTON, AND KNITTING YARNS. T. D. WHITNEY COMPANY, Boston, Mass.
Filed November 22, 1924. Serial No. 205,722. PUBLISHED FEBRUARY 3, 1925.

197,694. LAMP SHADES. T. D. WHITNEY COMPANY, Boston, Mass.
Filed November 22, 1924. Serial No. 205,721. PUBLISHED JANUARY 27, 1925.

197,695. SHOTGUN SHELLS AND WADS. THE PETERS CARTRIDGE COMPANY, Cincinnati, Ohio.
Filed November 22, 1924. Serial No. 205,708. PUBLISHED FEBRUARY 3, 1925.

197,696. HOSIERY. BROWNING HOSIERY MILLS, doing business as Blue Mill Hosiery Manufacturing Company, Chattanooga, Tenn.
Filed November 22, 1924. Serial No. 205,684. PUBLISHED FEBRUARY 3, 1925.

197,697. LIME NEST EGGS. THE AMERICAN CRAYON COMPANY, Sandusky, Ohio.
Filed November 20, 1924. Serial No. 205,577. PUBLISHED JANUARY 13, 1925.

197,696. COMBINED DYE AND POLISH FOR LEATHER, AND PARTICULARLY FOR SHOES COMPOSED OF LEATHER. SUNBEAM CHEMICAL COMPANY, Chicago, Ill.
Filed November 19, 1924. Serial No. 205,570. PUBLISHED FEBRUARY 3, 1925.

197,699. BAKERY GOODS DESCRIBED AS COOKIES, CAKES, AND WAFERS. PAUL SCHULZE BISCUIT Co., Chicago, Ill.
Filed November 19, 1924. Serial No. 205,557. PUBLISHED JANUARY 20, 1925.

197,700. BAKERY GOODS DESCRIBED AS COOKIES, CAKES, AND WAFERS. PAUL SCHULZE BISCUIT Co., Chicago, Ill.
Filed November 19, 1924. Serial No. 205,555. PUBLISHED JANUARY 20, 1925.

197,701. BAKERY GOODS DESCRIBED AS COOKIES, CAKES, AND WAFERS. PAUL SCHULZE BISCUIT Co., Chicago, Ill.
Filed November 19, 1924. Serial No. 205,556. PUBLISHED JANUARY 20, 1925.

197,702. CERTAIN NAMED TOOLS AND ARTICLES OF CUTLERY. THE COLLINS COMPANY, Collinsville, Conn.
Filed November 19, 1924. Serial No. 205,514. PUBLISHED FEBRUARY 3, 1925.

197,703. NEWSPAPER ARTICLES PUBLISHED FROM DAY TO DAY. CONSOLIDATED PRESS ASSOCIATION, Washington, D. C.
Filed November 18, 1924. Serial No. 205,473. PUBLISHED FEBRUARY 3, 1925.

197,704. RAILWAY-TRACK JACKS AND JACKS FOR GENERAL LIFTING PURPOSES. VERONA TOOL WORKS, Pittsburgh, Pa.
Filed November 17, 1924. Serial No. 205,456. PUBLISHED FEBRUARY 10, 1925.

197,705. WOMEN'S AND MISSES' UNDERWEAR—NAMELY, ENVELOPE CHEMISE, PRINCESS SLIPS, BLOOMERS, NIGHTGOWNS, PETTICOATS, STEP-INS, CORSET COVERS, DRAWERS AND VESTS OF KNITTED AND TEXTILE FABRICS. R. LOWENBAUM MANUFACTURING COMPANY, St. Louis, Mo.
Filed November 17, 1924. Serial No. 205,426. PUBLISHED FEBRUARY 3, 1925.

197,706. MEN'S, BOYS', GIRLS' TEXTILE ATHLETIC UNION SUITS, SHIRTS, AND DRAWERS, NIGHTSHIRTS, PYJAMAS, CHILDREN'S SLEEPERS, AND SLEEPING PYJAMAS. ISIDOR PANITZ, doing business as Yale Underwear Co., Baltimore, Md.
Filed November 15, 1924. Serial No. 205,384. PUBLISHED FEBRUARY 3, 1925.

197,707. CHILDREN'S PLAY SUITS. JOHN SCOWCROFT & SONS CO., Ogden, Utah.
Filed November 15, 1924. Serial No. 205,366. PUBLISHED FEBRUARY 3, 1925.

197,708. SOY SAUCE. CHOKICHI MATSUOKA, doing business as The Epicurean Soy Sauce Factory, Los Angeles, Calif.
Filed November 15, 1924. Serial No. 205,343. PUBLISHED FEBRUARY 3, 1925.

197,709. PORCH, LAWN, AND SUN-PARLOR FURNITURE. BLUE RIDGE HICKORY FURNITURE COMPANY, High Point, N. C.
Filed November 15, 1924. Serial No. 205,309. PUBLISHED FEBRUARY 3, 1925.

197,710. AUTOMOBILE BUMPERS. AMERICAN AUTO-PARTS COMPANY, Detroit, Mich.
Filed November 15, 1924. Serial No. 205,306. PUBLISHED JANUARY 27, 1925.

197,711. HEADACHE POWDERS. THE EAGLE COMPANY, Baltimore, Md.
Filed November 14, 1924. Serial No. 205,269. PUBLISHED FEBRUARY 3, 1925.

197,712. HOSIERY. THE DONALD COMPANY, Grand Island, Nebr.
Filed November 12, 1924. Serial No. 205,157. PUBLISHED FEBRUARY 3, 1925.

197,713. FACE POWDERS AND ROUGES. THE RE-MILLER CO., New York, N. Y.
Filed December 22, 1924. Serial No. 207,099. PUBLISHED FEBRUARY 3, 1925.

197,714. MATCHES. M. MARTIN KALLMAN, New York, N. Y.
Filed December 20, 1924. Serial No. 207,020. PUBLISHED FEBRUARY 3, 1925.

197,715. GLASS TUBE. SOWRITE, INC., New York, N. Y.
Filed December 19, 1924. Serial No. 206,980. PUBLISHED FEBRUARY 3, 1925.

197,716. MEN'S OVERCOATS AND RAINCOATS AND COATS FOR WOMEN AND CHILDREN. CRAIBURN, INC., New York, N. Y.
Filed December 19, 1924. Serial No. 206,945. PUBLISHED FEBRUARY 3, 1925.

197,717. MEN'S OVERCOATS AND RAINCOATS AND COATS FOR WOMEN AND CHILDREN. CRAIBURN, INC., New York, N. Y.
Filed December 19, 1924. Serial No. 206,944. PUBLISHED FEBRUARY 3, 1925.

197,718. POWDERS WHICH BURN WITH COLORED FLAMES FOR PYROTECHNICAL PURPOSES. JOHN C. HUTZWELLER, doing business as Pearl Pyrotechnical Co., Baltimore, Md.
Filed December 18, 1924. Serial No. 206,900. PUBLISHED FEBRUARY 3, 1925.

197,719. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO., INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,846. PUBLISHED FEBRUARY 3, 1925.

197,720. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,845. PUBLISHED FEBRUARY 3, 1925.

197,721. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,844. PUBLISHED FEBRUARY 3, 1925.

197,722. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,842. PUBLISHED FEBRUARY 3, 1925.

197,723. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,840. PUBLISHED FEBRUARY 3, 1925.

197,724. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,839. PUBLISHED FEBRUARY 3, 1925.

197,725. COLLARS, AND DRESS, NEGLIGEE, AND WORK SHIRTS. HALL, HARTWELL & CO. INC., Troy, N. Y.
Filed December 17, 1924. Serial No. 206,838. PUBLISHED FEBRUARY 3, 1925.

197,726. SEWING MACHINES. UNIVERSAL ART STITCH MACHINE LIMITED, Belfast, Ireland.
Filed December 16, 1924. Serial No. 206,812. PUBLISHED FEBRUARY 10, 1925.

197,727. SCIENTIFIC PAPER TESTERS. LOUIS SCHOPPER, Leipzig, Germany.
Filed December 16, 1924. Serial No. 206,803. PUBLISHED FEBRUARY 10, 1925.

197,728. FRESH CITROUS FRUITS. REDLANDS HEIGHTS GROVES, INC., Redlands, Calif.
Filed December 16, 1924. Serial No. 206,808. PUBLISHED FEBRUARY 3, 1925.

197,729. MEN'S OUTER SUITS AND OVERCOATS. HENRY G. HYMAN, New York, N. Y.
Filed December 15, 1924. Serial No. 206,735. PUBLISHED FEBRUARY 3, 1925.

197,730. NIGHTGOWNS, SLIPS, STEP-INS, AND PYJAMAS MADE FROM TEXTILE MATERIALS. BARROW MFG. CO., New York, N. Y.
Filed December 13, 1924. Serial No. 206,654. PUBLISHED FEBRUARY 3, 1925.

197,731. GLASSWARE. CHRISTIAN J. DIEDERICH, New York, N. Y.
Filed December 12, 1924. Serial No. 206,611. PUBLISHED FEBRUARY 3, 1925.

197,732. THERMOMETER CASES. JULIUS SCHMID, INC., New York, N. Y.
Filed December 12, 1924. Serial No. 206,642. PUBLISHED FEBRUARY 10, 1925.

197,733. LEATHER GOODS—VIZ, CIGAR CASES, CIGARETTE CASES, AND MATCH CASES. THE CORDOVA SHOPS, INC., Buffalo, N. Y.
Filed December 12, 1924. Serial No. 206,606. PUBLISHED FEBRUARY 3, 1925.

197,734. CERTAIN CHEMICAL, MEDICINAL, PHARMACEUTICAL, AND TOILET PREPARATIONS. THE MIHALOVITCH CO., Cincinnati, Ohio, assignor to The Milson Company, Cincinnati, Ohio, a Corporation of Ohio.
Filed March 11, 1924. Serial No. 193,610. PUBLISHED FEBRUARY 3, 1925.

197,735. SOLVENTS IN SOLVENT MIXTURES. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md.
Filed March 7, 1924. Serial No. 193,433. PUBLISHED FEBRUARY 3, 1925.

197,736. DOOR KNOBS AND METAL PIPE FITTINGS. THE DIRIGOLD CORPORATION, Minneapolis, Minn.
Filed February 28, 1924. Serial No. 192,904. PUBLISHED FEBRUARY 3, 1925.

197,737. COMPLETE RADIO RECEIVING SETS, AMPLIFIERS, AND RADIO RECEIVING SETS ADAPTED FOR COMBINATION WITH TALKING MACHINES AS MECHANICAL AMPLIFIERS. HENRY T. SCHIFF, Bay City, Mich., assignor to Radio-Master Corporation of America, Bay City, Mich., a Corporation of Michigan.
Filed December 29, 1923. Serial No. 190,273. PUBLISHED APRIL 8, 1924.

197,738. PREPARATION FOR CERTAIN AILMENTS. RHEA C. BAILY, Decatur, Ill.
Filed December 14, 1923. Serial No. 189,655. PUBLISHED FEBRUARY 3, 1925.

197,739. PREPARATION FOR CONSUMPTION. ALICE HOUSE, Sapulpa, Okla.
Filed December 8, 1923. Serial No. 189,408. PUBLISHED FEBRUARY 3, 1925.

197,740. BABBITT METAL. THE AMERICAN CRUCIBLE PRODUCTS CO., Elyria, Ohio.
Filed November 21, 1923. Serial No. 188,622. PUBLISHED FEBRUARY 10, 1925.

197,741. TENTS, HATCH COVERS, AND COVERING SHEETS FOR PROTECTING MERCHANDISE. SEATTLE TENT & AWNING CO., Seattle, Wash.
Filed November 6, 1923. Serial No. 188,065. PUBLISHED JANUARY 27, 1925.

197,742. BED SPRINGS AND LIKE CUSHIONING STRUCTURES FOR BEDS. KIMMEY-ROME COMPANY, Chicago, Ill.
Filed November 5, 1923. Serial No. 188,016. PUBLISHED FEBRUARY 3, 1925.

197,743. CERTAIN NAMED FOOD PRODUCTS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 31, 1923. Serial No. 187,776. PUBLISHED FEBRUARY 3, 1925.

197,744. HOUSEHOLD FURNITURE. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,093. PUBLISHED FEBRUARY 3, 1925.

197,745. TIMING GEARS. DALTON & BALCH, INC., Chicago, Ill.
Filed July 23, 1923. Serial No. 183,557. PUBLISHED FEBRUARY 10, 1925.

197,746. WEARING APPAREL FOR WOMEN, MISSES, AND CHILDREN. CHAS. A. STEVENS & BROS., Chicago, Ill.
Filed June 25, 1923. Serial No. 182,445. PUBLISHED FEBRUARY 3, 1925.

197,747. SHEET ROOFING CONTAINING ASPHALT. COMMERCIAL SELLING CO. INC., Brooklyn, N. Y.
Filed May 12, 1923. Serial No. 180,525. PUBLISHED JANUARY 8, 1924.

197,748. DRY PASTES. PENN PASTE MILLING COMPANY, Wilkes-Barre, Pa.
Filed February 27, 1923. Serial No. 176,690. PUBLISHED APRIL 10, 1923.

197,749. WALL SIZES. PENN PASTE MILLING COMPANY, Wilkes-Barre, Pa.
Filed February 27, 1923. Serial No. 176,689. PUBLISHED APRIL 10, 1923.

197,750. LUBRICATING SYSTEMS FOR AUTOMOBILES AND AUTOTRUCKS. EDWIN HORACE HANEY, doing business as California Lubricating Co., Inc., Phoenix, Ariz., assignor to California Lubricating Company, Madera, Calif.
Filed February 23, 1923. Serial No. 176,463. PUBLISHED FEBRUARY 3, 1925.

197,751. HOUSEHOLD FURNITURE. LANSBURGH & BRO., INC., Washington, D. C.
Filed December 27, 1922. Serial No. 173,897. PUBLISHED FEBRUARY 3, 1925.

197,752. ROAD-GRADING MACHINES. RUSSELL GRADER MANUFACTURING COMPANY, Minneapolis, Minn.
Filed September 5, 1922. Serial No. 169,085. PUBLISHED FEBRUARY 6, 1923.

197,753. LUBRICATING OILS, GASOLENE, MINERAL WAX, LUBRICATING GREASE, BURNING OILS, AND KEROSENE. TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y.
Filed August 30, 1921. Serial No. 152,402. PUBLISHED OCTOBER 18, 1921.

197,754. CERTAIN PAPER PRODUCTS—VIZ, FIBER BOARDS AND DOOR PANELS CUT THEREFROM. ROSENSTEIN-VEEDER COMPANY, Chicago, Ill.
Filed October 23, 1924. Serial No. 204,328. PUBLISHED JANUARY 27, 1925.

197,755. PASTRY FLOUR. MARY JANE REEVES, doing business as M. J. Reeves & Co., Chicago, Ill.
Filed October 27, 1924. Serial No. 204,474. PUBLISHED FEBRUARY 3, 1925.

197,756. TEA, COFFEE, SPICES (FOR FOOD), CHOCOLATE, AND SWEETMEATS. SUPEX LIMITED, London, England.
Filed October 30, 1924. Serial No. 204,639. PUBLISHED FEBRUARY 3, 1925.

197,757. NECKTIES. CHAS. PROSNIT, New York, N. Y.
Filed October 31, 1924. Serial No. 204,670. PUBLISHED FEBRUARY 3, 1925.

197,758. CONCENTRATED HOP SIRUP FOR FOOD PURPOSES. RICHARD GOULD, Spokane, Wash.
Filed November 1, 1924. Serial No. 204,705. PUBLISHED FEBRUARY 3, 1925.

197,759. GENERAL BUILDING UP TONIC. THE THOBOME CORPORATION, New York, N. Y.
Filed November 1, 1924. Serial No. 204,730. PUBLISHED FEBRUARY 3, 1925.

197,760. MEDICINAL COMPOUND FOR THE TREATMENT OF TEETH AND GUMS. EDWARD OSCAR BASSETT, Helena, Mont.
Filed November 3, 1924. Serial No. 204,743. PUBLISHED FEBRUARY 3, 1925.

197,761. STEEL FORGINGS, RAIL ANCHORS, RAIL-ANCHOR SPRINGS, AND RAILROAD-SWITCH CLAMPS. CANTON FORGE & AXLE COMPANY, Canton, Ohio.
Filed November 3, 1924. Serial No. 204,755. PUBLISHED FEBRUARY 3, 1925.

197,762. OIL AND GAS SEPARATORS. SMITH SEPARATOR COMPANY, Tulsa, Okla.
Filed November 3, 1924. Serial No. 204,792. PUBLISHED FEBRUARY 3, 1925.

197,763. APPARATUS FOR MEDICINAL TREATMENT BY CHLORINE USES. GENERAL DRUG COMPANY, New York, N. Y.
Filed November 6, 1924. Serial No. 204,902. PUBLISHED FEBRUARY 3, 1925.

197,764. PHOTOGRAPHS AND PICTURES. PERRY PHOTO NOVELTY CORPORATION, New York, N. Y.
Filed November 6, 1924. Serial No. 204,930. PUBLISHED FEBRUARY 3, 1925.

197,765. CATALOGUES PUBLISHED FROM TIME TO TIME. H. & L. EPSTEIN, INC., St. Louis, Mo.
Filed November 7, 1924. Serial No. 204,956. PUBLISHED FEBRUARY 3, 1925.

197,766. COTTON PIECE GOODS. JOHN FARNUM CO., Philadelphia, Pa.
Filed November 7, 1924. Serial No. 204,958. PUBLISHED FEBRUARY 3, 1925.

197,767. DRESSES. S. L. HOFFMAN, doing business as S. L. Hoffman & Co., New York, N. Y.
Filed November 7, 1924. Serial No. 204,965. PUBLISHED FEBRUARY 3, 1925.

197,768. MAGAZINE. BOHEMIAN MAGAZINE COMPANY INC., Baltimore, Md., and New York, N. Y.
Filed November 8, 1924. Serial No. 204,992. PUBLISHED FEBRUARY 3, 1925.

197,769. KITCHEN AND LAUNDRY SOAPS. R. H. MACY & CO., INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,075. PUBLISHED FEBRUARY 3, 1925.

197,770. HOSIERY FOR MEN, WOMEN, AND CHILDREN MADE OF COTTON, WOOL, SILK, AND ARTIFICIAL SILK. SHREVE & ADAMS, INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,091. PUBLISHED FEBRUARY 3, 1925.

197,771. PLASTER. ASBESTOS LIMITED, INC., New York, N. Y.
Filed November 11, 1924. Serial No. 205,101. PUBLISHED JANUARY 27, 1925.

197,772. RUBBER NURSING NIPPLES. UNITED DRUG COMPANY, Boston, Mass.
Filed November 11, 1924. Serial No. 205,143. PUBLISHED FEBRUARY 3, 1925.

197,773. PLASTER. ASBESTOS LIMITED, INC., New York, N. Y.
Filed November 11, 1924. Serial No. 205,102. PUBLISHED JANUARY 27, 1925.

197,784. STOVEPIPE. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed July 27, 1922. Serial No. 167,499. PUBLISHED FEBRUARY 3, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

197,774. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE P & M COMPANY, Chicago, Ill. Filed Sept. 27, 1924. Serial No. 203,141.

FAIR

Particular description of goods.—Rail Anchors or Anti-creepers.
Claims use since Feb. 28, 1924.

197,775. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE P & M COMPANY, Chicago, Ill. Filed Sept. 27, 1924. Serial No. 203,140.

HENGGI

Particular description of goods.—Rail Anchors or Anti-creepers.
Claims use since Feb. 29, 1924.

197,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VITAMINE GUM CO., Chicago, Ill. Filed Mar. 31, 1924. Serial No. 194,759.

Vitamine

Particular description of goods.—Chewing Gum.
Claims use since Feb. 11, 1924.

197,777. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. E. COTTER COMPANY, San Francisco, Calif. Filed Mar. 29, 1924. Serial No. 194,638.

QUALITY
R.E.COTTER CO.
FIRST

Particular description of goods.—Canned Fish, Canned Fruits.
Claims use since Feb. 25, 1924.

197,778. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM H. SCHMIDT, doing business as Cooky Cone Co., Milwaukee, Wis. Filed Mar. 26, 1924. Serial No. 194,489.

COOKY

Particular description of goods.—Ice-Cream Cones.
Claims use since Feb. 25, 1924.

197,779. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ARNOLD ELECTRIC CO., Racine, Wis. Filed Mar. 17, 1924. Serial No. 193,887.

Arnold

Particular description of goods.—Dispensing Machines Used for Measuring Preparations in Solid, Powdered, or Liquid Form.
Claims use since Jan. 21, 1924.

197,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLEURY BROTHERS, Glidden, Wis. Filed Mar. 8, 1924. Serial No. 193,451.

"RADIATOR SPECIAL"

Particular description of goods.—Radiator Compounds.
Claims use since about June 1, 1923.

197,781. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SORGEL ELECTRIC COMPANY, Milwaukee, Wis. Filed Feb. 29, 1924. Serial No. 193,078.

Adrian SHOE FITTER X-RAY

Particular description of goods.—X-Ray Shoe-Fitting Machines.
Claims use since Aug. 5, 1922.

197,782. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COBURN TROLLEY TRACK MANUFACTURING COMPANY, Holyoke, Mass. Filed Feb. 11, 1924. Serial No. 192,110.

COBURN

Particular description of goods.—Sliding-Door Hangers and Overhead Tracking.
Claims use since about Nov. 1, 1923.

197,783. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) D. H. BURRELL & CO., INC., Little Falls, N. Y. Filed Feb. 9, 1924. Serial No. 192,065.

BURRELL

Particular description of goods.—Churns, Combined Churns and Butterworkers, Cow Milkers, Cream Separators, Milk Heaters, Milk Coolers, Milk Heaters and Coolers, Milk Pasteurizers, Milk-Holding Tanks, Milk Pumps, Vacuum Pumps, Milk Clarifiers: Triers for Cheese, Butter, Meats, and Other Substances; Curd Knives, Bottle Washers, Can Washers and Driers, Emulsifying Machines, Cream Ripeners; Milk, Cream, and Cheese Vats and Milk-Weighing Cans for Milk Shippers, Dairies, Creameries and Cheese Factories; Sanitary Pipe Fittings for the Above Apparatus, and Test-Bottle Shakers.
Claims use since May 1, 1916.

197,785. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADVANCE-RUMELY COMPANY, La Porte, Ind. Filed Mar. 12, 1923. Serial No. 177,260.

TRIPLE HEAT CONTROL

Particular description of goods.—Traction Engines and Internal-Combustion Engines.
Claims use since Jan. 1, 1923.

197,786. (CLASS 39. CLOTHING.) JEANNE D'ETRELLIS, doing business under the name of Boué Soeurs, New York, N. Y. Filed Nov. 2, 1923. Serial No. 187,858.

BOUÉ SŒURS

Particular description of goods.—Robes and Gowns—Namely, Evening, Afternoon, Street Gowns Including Lingerie Gowns; Wraps, Coats, and Furs, Cache Corsets, Brassières, Corsets, Pantalons, Step-Ins, Day Gown, Combination Slip, Manteaux, Bed Jackets, Nightgown, Boudoir Caps, Blouses, Negligees, Lingerie Gowns without Foundations, Collars, and Lingerie Foundations.
Claims use since October, 1914.

197,787. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERNHARDT CHRISTOFFERS, New York, N. Y. Filed Jan. 11, 1924. Serial No. 190,676.

NEW YORK XXXX SPECIAL

Particular description of goods.—Wheat Flour.
Claims use since June 19, 1922.

197,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERMIE D. COON, doing business as Saegertown Sausage Company, Saegertown, Pa. Filed Apr. 10, 1924. Serial No. 195,264.

SAEGERTOWN SAUSAGE COMPANY

Particular description of goods.—Sausage.
Claims use since Jan. 1, 1920.

197,789. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WALTER M. P. TABB, New York, N. Y. Filed May 22, 1924. Serial No. 197,459.

FIRMHOLD

Particular description of goods.—Garment Hangers.
Claims use since about Jan. 10, 1924.

197,790. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILADELPHIA TAPESTRY MILLS, Philadelphia, Pa. Filed Nov. 6, 1924. Serial No. 204,932.

Granada

Particular description of goods.—Cotton Plushes in the Piece for Drapery Purposes.
Claims use since Nov. 1, 1919.

197,791. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEULAH SANDERS, doing business as Red Wing Mfg. Co., Cincinnati, Ohio. Filed Dec. 6, 1924. Serial No. 206,377.

Red Wing

Particular description of goods.—Hair Grower, Temple Salve, and Pressing Oil.
Claims use since on or about Mar. 1, 1921.

197,792. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARL M. EBA, doing business as Dutch Maid Products, Seattle, Wash. Filed Dec. 8, 1924. Serial No. 206,403.

DUTCH LUNCH

Particular description of goods.—Lunches Composed of Sandwiches, Salad, Fruit, Cake or Pie, and Pickles.
Claims use since May 15, 1923.

197,793. (CLASS 39. CLOTHING.) GIDDING & CO. INC., Cincinnati, Ohio. Filed Dec. 22, 1924. Serial No. 207,071.

Gidding CINCINNATI

Particular description of goods.—Ladies' Coats, Wraps, and Tailored Dresses.
Claims use since Dec. 21, 1923.

197,794. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) MODERN TRUNK COMPANY, Fall River, Mass. Filed Dec. 30, 1924. Serial No. 207,466.

UNBREAKABLE

Particular description of goods.—Trunks.
Claims use since March, 1916.

197,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARTIN WAGNER COMPANY, East Brooklyn, Md. Filed Jan. 15, 1925. Serial No. 208,158.

Wagner's

Particular description of goods.—Canned Foods—Namely, Fruits, Vegetables, and Shell Fish; Beans, Tomato Sauce, Spaghetti, and Sauerkraut.
Claims use since July, 1904.

197,796. (CLASS 39. CLOTHING.) CASS & ROSENTHAL, New York, N. Y. Filed Feb. 17, 1925. Serial No. 209,719.

PERFECT

Particular description of goods.—Infants', Children's, and Juniors' Coats.
Claims use since about Dec. 30, 1909.

197,797. (CLASS 25. LOCKS AND SAFES.) TRIPLE METALS CORPORATION, Chicago, Ill. Filed Feb. 11, 1925. Serial No. 209,442.

Dudley

Particular description of goods.—Locks.
Claims use since about Jan. 1, 1922.

197,798. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE BARANI, Paris, France. Filed Mar. 5, 1925. Serial No. 210,521.

CHYPRE EGYPTIEN

Particular description of goods.—Perfume Extracts, Toilet Waters, Lotions, Toilet Powders, Eau de Cologne, Dentifrices, Rouges, and Rice Powder.
Claims use since Nov. 26, 1923.

197,799. (CLASS 39. CLOTHING.) J. STERN & SONS, INC., Quincy, Ill. Filed Feb. 21, 1925. Serial No. 210,018.

Stern's

Particular description of goods.—Men's and Boys' Suits and Overcoats.
Claims use since Apr. 20, 1910.

197,800. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ALDRICH PUMP CO., Allentown, Pa. Filed Feb. 19, 1925. Serial No. 209,828.

ALDRICH

Particular description of goods.—Triplex and Quintuplex Power Pumps and Hydraulic Machinery.
Claims use since Sept. 30, 1908.

197,801. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Feb. 18, 1925. Serial No. 209,818.

PEERLESS

Particular description of goods.—Coloring for Butter and Other Foods.
Claims use since Feb. 17, 1921.

197,802. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KERN KOLA MANUFACTURING CO., Dallas, Tex. Filed Feb. 10, 1925. Serial No. 209,353.

Elberta

Particular description of goods.—A Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since 1907.

197,803. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MILL & MINE SUPPLY COMPANY, Seattle, Wash. Filed Jan. 28, 1925. Serial No. 208,770.

CLAUSEN

Particular description of goods.—Choker Hooks, Bull Hooks, and Ferrules.
Claims use since Jan. 1, 1923.

197,804. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS-GRAHAM COMPANY, Cincinnati, Ohio. Filed Jan. 27, 1925. Serial No. 208,721.

EGYPTIAN PALM

Particular description of goods.—Soap.
Claims use since July 14, 1923.

197,805. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt. Filed Jan. 21, 1925. Serial No. 208,388.

FAIRBANKS

Particular description of goods.—Weighing Machines and Parts Thereof, and in Particular Weigh-Beams.
Claims use since about Jan. 1, 1910.

197,806. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) REMIEN & KUHNERT CO., Chicago, Ill. Filed Dec. 29, 1924. Serial No. 207,403.

"Buy or Specify"
REMIEN

Particular description of goods.—Ready-Mixed Paints and Varnishes.
Claims use since Mar. 1, 1919.

197,807. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE E. H. JACOBS MANUFACTURING COMPANY, Danielson, Conn. Filed Dec. 17, 1924. Serial No. 206,851.

PICK ARM STRAP
JACOBS

Particular description of goods.—Pick-Arm Straps Made of Canvas, Leather, and Wood for Use in Loom Strapping.
Claims use since Jan. 1, 1911.

197,808. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COLUMBUS HANDLE & TOOL CORPORATION, Columbus, Ind. Filed Dec. 8, 1924. Serial No. 206,390.

STURDE

Particular description of goods.—Tools—Namely, Construction Tools, Comprising Cant Hooks, Crowbars, Digging Bars, Digging Spuds, Deadmen, Electric Tamping Bars, Loy or Slick Digging Tools, Lug Hooks, Peavies, Pike Poles, Posthole Diggers, Pole Supports, Raising Forks, Telegraph Shovels, Telegraph Spoons, D-Handle Shovels, Long-Handle Shovels Timber Carriers, Tamping Bars, Combined Tamping and Digging Bars, Miscellaneous Linemen's and Railway Construction Tools; Ice Tools, Comprising Hooks, Shavers, Tongs, Ice-Cream-Can Tongs, Breakers; and Other Tools, Comprising Bolt Hooks, Boat Poles, Barn Scrapers, Bolt or Pulp-Wood Hooks, Cattle Prods, Drain Cleaners, Hog Hooks, Sidewalk Scrapers, Earth Tampers, and Concrete Tampers; and Tool Handles.
Claims use on handles since about Sept. 30, 1921, and on tools since about Jan. 1, 1923.

197,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN C. MORGAN COMPANY, Traverse City, Mich. Filed Nov. 8, 1924. Serial No. 205,021.

"Morgan"

Particular description of goods.—Canned Fruits.
Claims use since Jan. 1, 1908.

197,810. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. H. HAMMOND COMPANY, Chicago, Ill. Filed Nov. 3, 1924. Serial No. 204,769.

RELIANCE

Particular description of goods.—Sausage.
Claims use since August, 1920.

197,811. (CLASS 37. PAPER AND STATIONERY.) PARKER, STONE & BAIRD CO., Los Angeles, Calif. Filed Oct. 2, 1924. Serial No. 203,329.

LAWYERS BOND

Particular description of goods.—Bond Paper.
Claims use since Sept. 1, 1923.

TRADE-MARK REGISTRATIONS RENEWED

26,287. POMADE FOR THE SKIN. Registered March 26, 1895. HENRY C. RICE, Fremont, Ohio. Renewed March 26, 1925.

44,585. CLOCKS. Registered July 11, 1905. THE ANSONIA CLOCK COMPANY, Ansonia, Conn., and New York, N. Y., a Corporation of Connecticut. Renewed July 11, 1925.

44,708. ALKALINE ANTISEPTIC WASH. Registered July 18, 1905. ALKALOL COMPANY. Renewed July 18, 1925, to The Alkalol Company, Taunton, Mass., a Corporation of Massachusetts, assignee.

44,801. ANCHORS. Registered July 25, 1905. THE ADMIRAL ANCHOR COMPANY, Chester, Pa., a Corporation of New Jersey. Renewed July 25, 1925.

45,018. WHEAT FLOUR. Registered August 1, 1905. DWIGHT M. BALDWIN, JR. Renewed August 1, 1925, to Baldwin Flour Mills Company, Minneapolis, Minn., a Corporation of Minnesota, successor.

45,092. WINDOW-SHADE FABRICS. Registered August 8, 1905. JOSEPH BANCROFT & SONS CO., Wilmington, Del., a Corporation of Delaware. Renewed August 8, 1925.

45,508. WHISKY. Registered August 22, 1905. OLD GRAND-DAD DIST'Y. CO., Louisville, Ky., a Corporation of Kentucky. Renewed August 22, 1925.

45,609. DRESSING FOR LEATHER, BOOTS, SHOES, HARNESSES, RUBBER, AND CLOTH. Registered August 22, 1905. A. E. LITTLE & COMPANY. Renewed August 22, 1925, to A. E. Little Company, Lynn, Mass., a Corporation of Massachusetts, assignee.

45,740. WINDOW-SHADE FABRICS. Registered August 29, 1905. JOSEPH BANCROFT & SONS CO., Wilmington, Del., a Corporation of Delaware. Renewed August 29, 1925.

45,923. REMEDIES FOR CERTAIN NAMED DISEASES. Registered August 29, 1905. OO CHEM. COMPANY, New York, N. Y., a Corporation of West Virginia. Renewed August 29, 1925.

46,021. CORN PLANTERS AND DRILLS. Registered September 5, 1905. D. M. SECHLER CARRIAGE COMPANY. Renewed September 5, 1925, to The Ohio Cultivator Company, Moline, Ill., a Corporation of Ohio, assignee.

46,050. SPRING SHADE ROLLERS AND FITTINGS. Registered September 5, 1905. STEWART HARTSHORN CO., East Newark, N. J., a Corporation of New Jersey. Renewed September 5, 1925.

46,063. SHOVELS. Registered September 5, 1905. THE H. M. MYERS COMPANY. Renewed September 5, 1925, to Ames Shovel & Tool Company, Beaver Falls, Pa., a Corporation of New Jersey, assignee.

46,067. VEGETABLE BUTTER. Registered September 5, 1905. THE NUCOA BUTTER COMPANY. Renewed September 5, 1925, to The Best Foods, Inc., Belleville, N. J., a Corporation of New Jersey, assignee.

46,171. LEDGER, BOND, LINEN, BRISTOL-BOARD, AND WRITING PAPER. Registered September 5, 1905. WHITING PAPER COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed September 5, 1925.

46,234. SAFETY PINS. Registered September 12, 1905. CONSOLIDATED SAFETY PIN COMPANY, Bloomfield, N. J., a Corporation of New Jersey. Renewed September 12, 1925.

46,246. CANNED FRUITS AND CANNED VEGETABLES. Registered September 12, 1905. R. C. WILLIAMS & CO. Renewed September 12, 1925, to R. C. Williams & Company, Inc., New York, N. Y., a Corporation of New York, assignee.

46,313. SHEETINGS AND DRILLINGS. Registered September 12, 1905. ENTERPRISE MFG. CO., Augusta, Ga., a Corporation of Georgia. Renewed September 12, 1925.

46,435. A PREPARATION FOR CLEANING, POLISHING, AND PRESERVING. Registered September 19, 1905. THE CLEANOLA COMPANY, Allegheny, Pa., a Corporation of Pennsylvania. Renewed September 19, 1925.

46,440. LEDGER, BOND, LINEN, BRISTOL-BOARD, AND ALL KINDS OF WRITING PAPER. Registered September 19, 1905. WHITING PAPER COMPANY, Holyoke, Mass., a Corporation of Massachusetts. Renewed September 19, 1925.

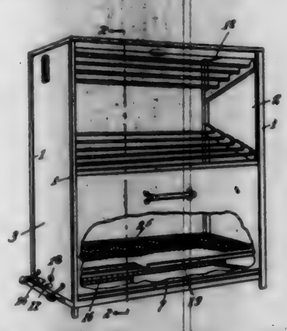
46,450. A GRANULAR EFFERVESCENT SALT. Registered September 19, 1905. EMERSON DRUG COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed September 19, 1925.

46,481. LAGER BEER. Registered September 19, 1905. THE ARNHOLT & SCHAEFER BREWING COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed September 19, 1925.

REISSUES

APRIL 21, 1925.

16,044. CLOTHES DRIER. LEWIS G. CAMPBELL, Cincinnati, Ohio, assignor to The Puritan Cabinet Dryer Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 21, 1925. Serial No. 10,988. Original No. 1,521,274, dated Dec. 30, 1924, Serial No. 708,279, filed Apr. 22, 1924. 8 Claims. (Cl. 34—19.)



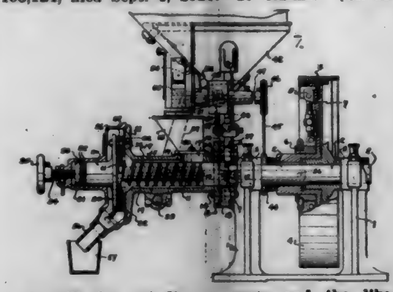
5. In a clothes drier, a casing with a burner to heat the same on the inside, extending the width of the casing, and a cover plate mounted above the burner to divide the chamber into a heating and a drying compartment, the cover plate extending from end wall to end wall of the casing, with free openings along the sides of the cover plate at front and rear of the cover plate for the passage of heat from the heating to the drying compartment, and a baffle plate below the cover plate and fitted to same to form a dead-air space above the burner.

16,045. BRAKE MECHANISM. ANGELO ROBERT CLAS and RAYMOND W. RANDALL, Toledo, Ohio, assignors to The Toledo Automotive Products Company, Toledo, Ohio, a Corporation of Ohio. Filed July 5, 1924. Serial No. 724,495. Original No. 1,493,472, dated May 13, 1924, Serial No. 461,627, filed Apr. 15, 1921. 5 Claims. (Cl. 188—249.)



3. In a brake of the class described, a split brake, a lining unit for the band comprising a split pliant strip for fitting into the member and a fibrous lining fixed to the strip and terminating short of its ends, the projecting ends of the strip being longitudinally slotted, and bolts projecting through the slots in the respective ends of the lining strip to adjustably connect the strip and member, one of said member and strip having notches therein along its side edges and the other having spurs for loosely projecting into the notches and adapted to permit disengagement of the member and lining unit by movement of the unit relative to the member.

16,046. NUT MILL. RICHARD A. GREENE, Brooklyn, N. Y., assignor to Jabez Burns & Sons, a Corporation of New York. Filed Oct. 11, 1923. Serial No. 668,020. Original No. 1,394,082, dated Oct. 18, 1921, Serial No. 408,124, filed Sept. 4, 1920. 19 Claims. (Cl. 83—8.)



1. A mill for grinding peanuts and the like into smooth paste comprising a frame carrying a hopper for nuts, a feed screw casing having internal longitudinal grooves with an opening to receive the nuts to be ground, a slow pitch feed screw in said casing cooperating with said longitudinal grooves to feed the nuts forward under pressure, an annular flat grinder carried at the end of the feed screw, a stationary annular disk grinder cooperating therewith, means for resisting the thrust of the grinders, the end of the feed casing, the feed screw and the grinders being formed to provide a progressively narrowing passage to the flat faces of the grinders to maintain the nuts under increasing pressure between the feed screw and the periphery of the grinders, and the flat faces of the grinders having non-radial grooves therein, whereby pressure is maintained on the nuts by the feed to and through the grinders without overheating and without excessive thrust.

16,047. SURFACING SPONGE RUBBER. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Oct. 14, 1924. Serial No. 743,688. Original No. 1,501,009, dated July 8, 1924, Serial No. 608,752, filed Dec. 23, 1922. 25 Claims. (Cl. 154—2.)

8. An article of manufacture having a rubber surface portion surmounted by a coating of rubber vulcanized integral and substantially coelastic with said portion and having fibrous material vulcanized in said coating with at least part of said fibrous material extending exteriorly of said coating to form a covering for said coating, and with at least part of said fibrous material extending and vulcanized to said portion.

16,048. PRODUCTION OF SHOW CARDS, ADVERTISEMENTS, SIGNS, DECORATIONS, OR THE LIKE BY STENCILING. HERBERT HAMILTON SCOTT and GEORGE MCINTOSH SCOTT, London, England. Filed Mar. 12, 1925. Serial No. 15,122. Original No. 1,516,065, dated Nov. 18, 1924, Serial No. 627,982, filed Mar. 26, 1923. 3 Claims. (Cl. 41—26.)

1. Method of producing designs upon a vitreous surface which comprises taking a pasty vitrefiable enamel composition containing finely ground vitrefiable enamel and an oily carrier and capable of being applied to a surface in subdivided form by being pressed through a fine mesh and of retaining a subdivided form upon said surface until heated, placing a fine mesh stencil onto the vitreous surface and forcing said composition

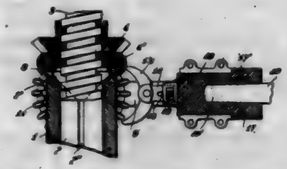
through the mesh portion of the stencil onto the vitreous surface, whereby the composition will be applied to the design portion of the surface in subdivided form, and finally heating the article to an enamel-fusing temperature.

16,049. ALCOHOL TESTER. JACOB WERSHOW, New Haven, Conn. Filed Feb. 24, 1925. Serial No. 11,380. Original No. 1,481,277, dated Jan. 22, 1924, Serial No. 628,157, filed Mar. 27, 1923. 8 Claims. (Cl. 23—253.)



1. An alcohol tester, comprising a wick-container, a cap closing the same, and a plug carrying a coil housed within said cap.

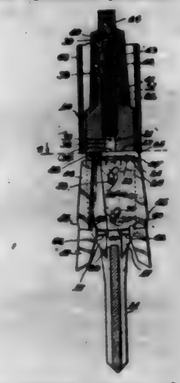
16,050. JACK. MAURICE F. BERNSON, Canadian, Tex., assignor, by mesne assignments, to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Dec. 17, 1924. Serial No. 756,626. Original No. 1,486,723, dated Mar. 11, 1924, Serial No. 484,111, filed July 12, 1921. 27 Claims. (Cl. 254—102.)



1. A jack of the class described comprising a standard having a bore therein and vertical grooves in the walls of the bore, the ends of the bore being of larger diameter than the major portion thereof with sloping shoulders connecting the enlargements with the walls of the grooves, a nut rotatably connected with the top of the standard, a screw threaded member located in the bore of the standard and passing through the nut, a projection at the lower end of the member for engaging the grooves to prevent rotary movement of the member until the projection reaches the enlargements, ratchet means for rotating the nut, a second screw threaded member located in the first member and having screw threads thereon, the first member being interiorly screw threaded to receive the second member and a supporting head on the upper end of the second member.

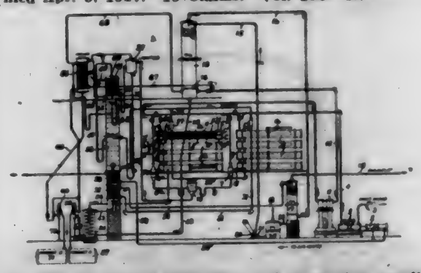
16,051. REAMER. JACOB S. BROWN, Los Angeles, Calif., assignor of one-half to Walter F. Eichenhofer, Los Angeles, Calif. Filed Aug. 11, 1923. Serial No. 656,906. Original No. 1,390,876, dated Sept. 13, 1921, Serial No. 335,739, filed Nov. 4, 1919. 10 Claims. (Cl. 255—75.)

1. A drill designed to be passed through a well casing including a stock, having an integrally formed bit at the lower end thereof and having a transverse opening above the bit, reamers having upper rounded corners and having lapping flanges which are received in said opening, means between the flanges and the stock for permitting a limited longitudinal and lateral movement of the reamers through the opening, spring means for influencing the reamers to an outward and angular position with respect to the stock, interengaging means between the respective reamers when in such position, elements on the reamers contacting with the stock when the reamers are in such position, spring influenced laterally movable latching means for engaging said spring influenced means for locking the latter when the reamers are in such operative position, and said latching



means and the rounded corners of the reamers being arranged for contact with the lower end of the casing when the stock is moved upwardly toward the casing whereby to release the latching means and to exert a downward pressure upon the rounded corners of the reamers to move the latter against the influence of the spring means to bring the interengaging means therebetween out of such engagement and the contacting elements out of contact with the stock and to again seat the reamers in the opening in the stock.

16,052. PROCESS OF AND APPARATUS FOR EXTRACTING, LIQUEFYING, AND SEPARATING LIQUEFIABLE CONSTITUENTS OF GASES. EMIL SCHILL, Woodmere, N. Y., and FRANZ WOIDICH (known as Francis Sales Woidich), Sapulpa, Okla., assignors to Continental Gas Compressing Corporation, New York, N. Y., a Corporation of New York. Filed May 28, 1924. Serial No. 716,513. Original No. 1,415,058, dated May 9, 1922, Serial No. 160,642, filed Apr. 9, 1917. 19 Claims. (Cl. 196—8.)



14. The process of extracting and recovering gasoline vapors from hydrocarbon gases whose liquefiable content consists in substantial part of normally liquid hydrocarbons, which consists in making a rough separation between certain lighter and heavier constituents thereof, which constituents include substantially all of said normally liquid hydrocarbons, independently introducing said lighter and heavier constituents into a rectification column at appropriate points therein and rectifying them to separate fixed gases therefrom and produce liquid gasoline.

DESIGNS

APRIL 21, 1925.

67,065. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Dec. 24, 1924. Serial No. 11,785. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

67,066. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Dec. 24, 1924. Serial No. 11,786. Term of patent 3½ years.



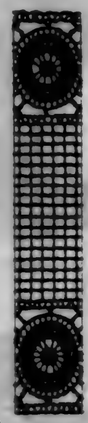
The ornamental design for lace substantially as shown.

67,067. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Dec. 24, 1924. Serial No. 11,787. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

67,068. LACE. CHARLES WILFRED BIRKIN and EDWIN THOMAS SANDS, Broadway, Nottingham, England, assignors to Birkin and Company, Broadway, Nottingham, England. Filed Dec. 24, 1924. Serial No. 11,788. Term of patent 3½ years.



The ornamental design for lace substantially as shown.

67,069. CHANDELIER. JOHN A. BOEHRINGER, Springfield, N. Y., assignor to Herman A. Safion, New York, N. Y. Filed Feb. 19, 1925. Serial No. 12,422. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

67,070. ASH TRAY. GOODMAN BURSETOWN, Houston, Tex. Filed Dec. 20, 1923. Serial No. 8,105. Term of patent 3½ years.



The ornamental design for an ash tray as shown.

67,071. WATCH CHARM. CHARLES W. CAMFIELD, Newkirk, Okla. Filed June 19, 1922. Serial No. 2,729. Term of patent 7 years.



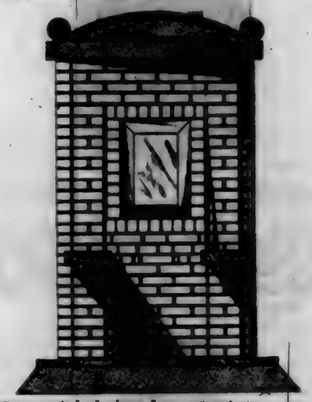
The ornamental design for a watch charm as shown.

67,072. WATCHCASE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 21, 1924. Serial No. 11,432. Term of patent 14 years.



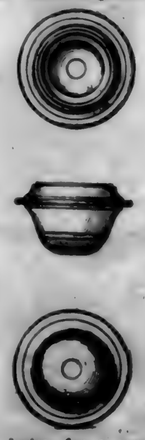
The ornamental design for a watchcase, substantially as shown.

67,073. TOMBSTONE. MINTON I. DA LEE, Oklahoma City, Okla. Filed Feb. 9, 1925. Serial No. 12,316. Term of patent 14 years.



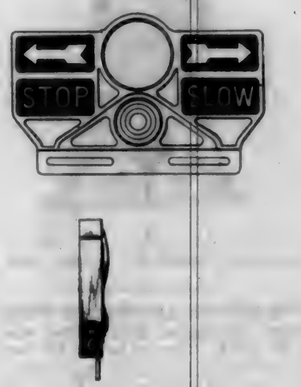
The ornamental design for a tombstone, as shown.

67,074. CANDLE CUP FOR LIGHTING FIXTURES. JOHN DE LEO, New York, N. Y. Filed July 28, 1924. Serial No. 10,269. Term of patent 7 years.



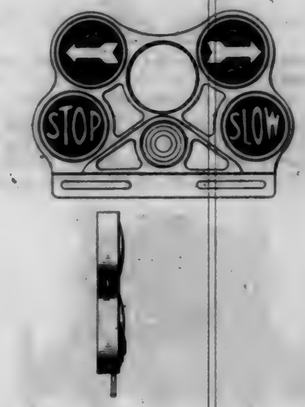
The ornamental design for a candle cup for lighting fixtures as shown.

67,075. AUTOMOBILE SIGNAL LAMP. HENRY G. DIBELKA, Chicago, Ill., assignor to Miller & Pardee, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug 18, 1923. Serial No. 7,029. Term of patent 3½ years.



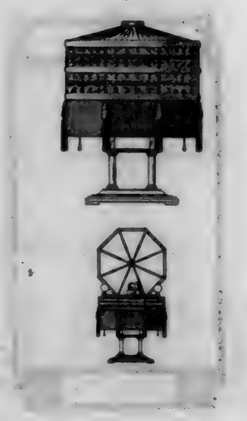
The ornamental design for an automobile signal lamp, substantially as shown.

67,076. AUTOMOBILE SIGNAL LAMP. HENRY G. DIBELKA, Chicago, Ill., assignor to Miller & Pardee, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 18, 1923. Serial No. 7,030. Term of patent 3½ years.



The ornamental design for an automobile signal lamp, substantially as shown.

67,077. COMBINED LAMP AND SOUND-REPRODUCING DEVICE. WALTER ERNI and ARTHUR E. LANGE, Jr., Milwaukee, Wis. Filed June 8, 1922. Serial No. 2,571. Term of patent 3½ years.



The ornamental design for a combined lamp and sound-reproducing device, as shown.

67,078. LIQUID-DISPENSING APPARATUS. ALEXIUS P. FLECKENSTEIN, Ionia, Mich., assignor to Fleckenstein Visible Gasometer Co. of Michigan, Grand Rapids, Mich., a Corporation of Michigan. Filed June 5, 1924. Serial No. 9,804. Term of patent 14 years.



The ornamental design for a liquid dispensing apparatus as shown.

67,079. DISPLAY CARD. CHARLES GREEN, Brooklyn, N. Y., assignor to Charles Green Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 19, 1924. Serial No. 11,750. Term of patent 7 years.



The design for a display card substantially as shown.

67,080. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Jan. 10, 1925. Serial No. 12,000. Term of patent 3½ years.



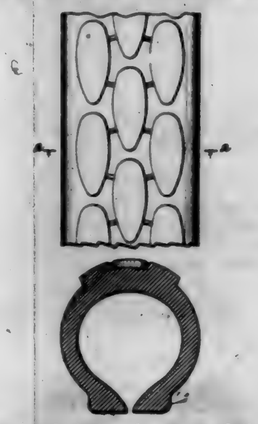
The ornamental design for a finger ring as shown.

67,081. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Jan. 10, 1925. Serial No. 12,001. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

67,082. TREAD FOR AUTOMOBILE TIRES. ARTHUR H. GRUBER, Ludington, Mich. Filed Apr. 14, 1922. Serial No. 1,741. Term of patent 3½ years.



The ornamental design for a tread for automobile tires, as shown.

67,083. BADGE. GERTRUDE C. HART, Chicago, Ill., assignor to Protestant Women's National Civic Federation, Chicago, Ill., a Corporation of Illinois. Filed Oct. 23, 1924. Serial No. 11,155. Term of patent 14 years.



The ornamental design for a badge as shown.

67,084. STATUETTE. MERLE JOHNSON, New York, N. Y., assignor to Frank Walton, New York, N. Y. Filed Dec. 27, 1922. Serial No. 4,729. Term of patent 3½ years.



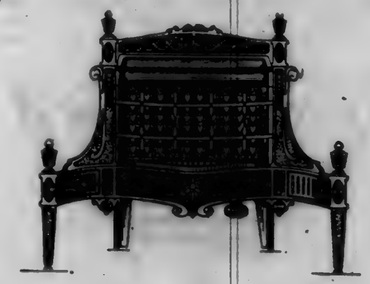
The ornamental design for a statuette as shown.

67,085. TEXTILE FABRIC. FRANK M. KAUFMAN, Philadelphia, Pa. Filed Nov. 26, 1924. Serial No. 11,493. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

67,086. GAS HEATER. JOHN R. KELLER, Glenshaw, Pa., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio, a Corporation of Ohio. Filed Jan. 10, 1925. Serial No. 11,993. Term of patent 14 years.



The ornamental design for a gas heater, as shown.

67,087. BADGE OR SIMILAR ARTICLE. GEORGE W. KITE, Atlantic City, N. J. Filed Oct. 18, 1924. Serial No. 11,120. Term of patent 14 years.



The ornamental design for a badge, or similar article, as shown.

67,088. BODY FOR LIGHTING FIXTURES. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,663. Term of patent 3½ years.



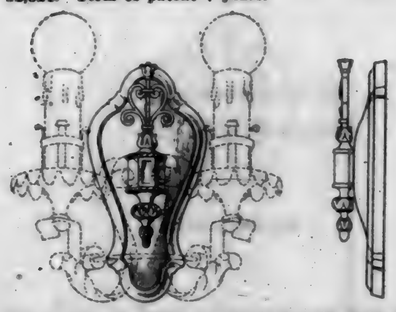
The ornamental design for a body for lighting fixtures, as shown.

67,089. CEILING LIGHT. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,666. Term of patent 3½ years.



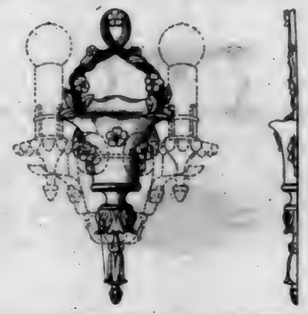
The ornamental design for a ceiling light, as shown.

67,090. BACKPLATE FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,524. Term of patent 7 years.



The ornamental design for a back plate for lighting fixtures, substantially as shown.

67,091. BACKPLATE FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,525. Term of patent 7 years.



The ornamental design for a backplate for lighting fixtures, substantially as shown.

67,092. BACKPLATE FOR LIGHTING FIXTURES. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc., a Corporation of New York. Filed Feb. 28, 1925. Serial No. 12,526. Term of patent 7 years.



The ornamental design for a backplate for lighting fixtures, substantially as shown.

67,093. IMAGE. FRANCIS J. MCCLISH, St. Louis, Mo. Filed Feb. 5, 1925. Serial No. 12,270. Term of patent 3½ years.



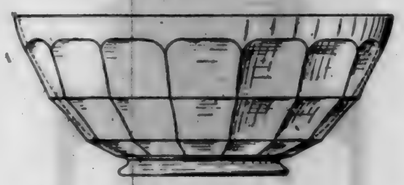
The ornamental design for an image, as shown.

67,094. BASE FOR LAMPS, ETC. MORRIS J. MURPHY, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 12,500. Term of patent 3½ years.



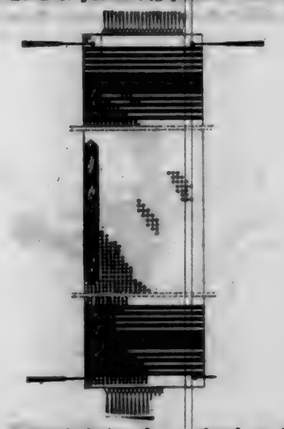
The ornamental design for a base for lamps, etc., as shown.

67,095. GLASS DISH OR SIMILAR ARTICLE OF MANUFACTURE. CHARLES W. OLDHAM, Bellaire, Ohio, assignor to Imperial Glass Company, Bellaire, Ohio, a Corporation of West Virginia. Filed Nov. 27, 1922. Serial No. 6,425. Term of patent 7 years.



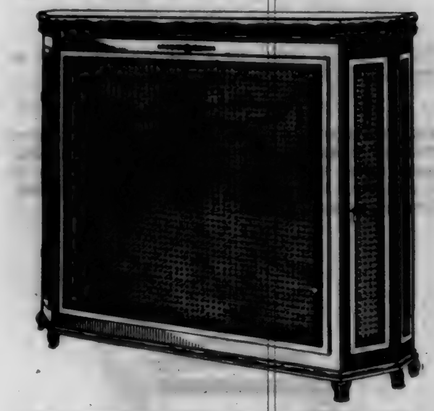
The ornamental design for a glass dish or similar article of manufacture, as shown.

67,096. SHAWL OR THE LIKE. DANIEL PASTON, Brooklyn, N. Y. Filed Feb. 3, 1925. Serial No. 12,247. Term of patent 3½ years.



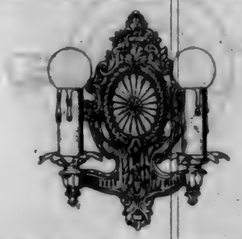
The ornamental design for a shawl or the like, as shown and described.

67,097. RADIATOR COVER. CHESTER M. PORTSCH, Chicago, Ill. Filed Feb. 14, 1925. Serial No. 12,385. Term of patent 14 years.



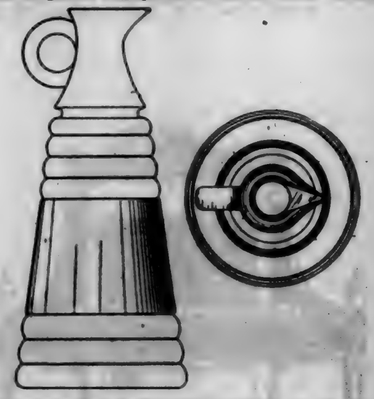
The ornamental design for a radiator cover, substantially as shown.

67,098. LIGHTING-FIXTURE BRACKET OR AN ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 25, 1925. Serial No. 12,480. Term of patent 3½ years.



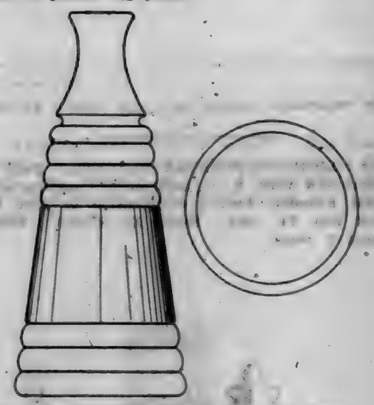
The ornamental design for a lighting fixture bracket, or an article of similar nature as shown.

67,099. CRUET. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Nov. 20, 1924. Serial No. 11,496. Term of patent 3½ years.



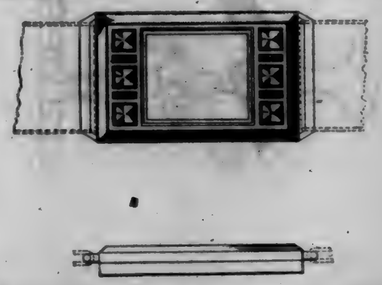
The ornamental design for a cruet, as shown.

67,100. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Nov. 20, 1924. Serial No. 11,497. Term of patent 3½ years.



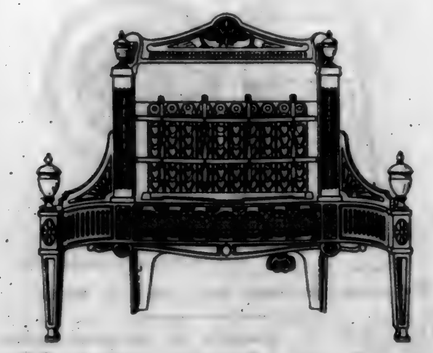
The ornamental design for a bottle, as shown.

67,101. WRIST-WATCH CASE. HARRY W. SCHWEITMAN, Cincinnati, Ohio, assignor to The Gruen Watch Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 26, 1924. Serial No. 9,707. Term of patent 3½ years.



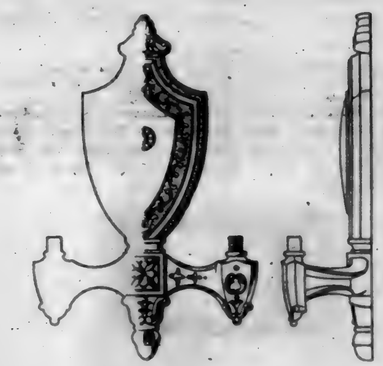
The ornamental design for a wrist watch case, as shown.

67,102. GAS HEATER. ALEXANDER B. SHARP, Steubenville, Ohio. Filed Nov. 18, 1924. Serial No. 11,399. Term of patent 14 years.



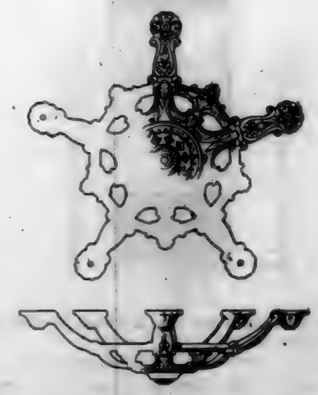
The ornamental design for a gas heater, as shown.

67,103. LIGHTING-FIXTURE BRACKET. PAUL SIPTROTT, New York, N. Y., assignor to Consolidated Art Metal Foundry, Inc., a Corporation of New York. Filed Feb. 24, 1925. Serial No. 12,469. Term of patent 7 years.



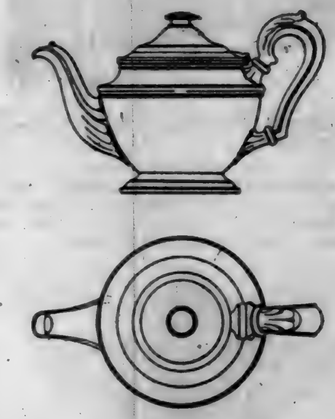
The ornamental design for a lighting-fixture bracket as shown and described.

67,104. LIGHTING-FIXTURE PART. PAUL SIPTROTT, New York, N. Y., assignor to Consolidated Art Metal Foundry, Inc., a Corporation of New York. Filed Feb. 24, 1925. Serial No. 12,470. Term of patent 7 years.



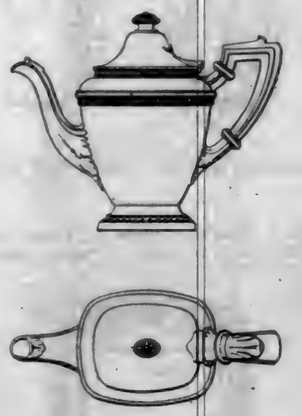
The ornamental design for a lighting-fixture part as shown and described.

67,105. TEAPOT OR SIMILAR ARTICLE. FREDERICK WILLIAM STARK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Nov. 6, 1924. Serial No. 11,303. Term of patent 14 years.



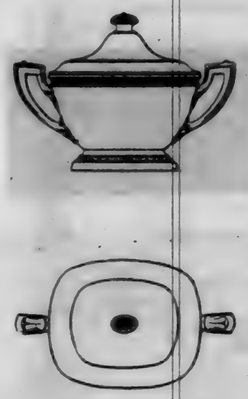
The ornamental design for a teapot or similar article as shown.

67,106. TEAPOT OR SIMILAR ARTICLE. FREDERICK WILLIAM STARK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Nov. 6, 1924. Serial No. 11,304. Term of patent 14 years.



The ornamental design for a teapot or similar article as shown.

67,107. DISH OR SIMILAR ARTICLE. FREDERICK WILLIAM STARK, Meriden, Conn., assignor to International Silver Co., Meriden, Conn., a Corporation of New Jersey. Filed Nov. 6, 1924. Serial No. 11,306. Term of patent 14 years.



The ornamental design for a dish or similar article as shown.

67,108. CANDLE HOLDER OR A SIMILAR ARTICLE. REGINALD C. STEEPLE, Spokane, Wash., assignor to Hubert J. Braun, Chicago, Ill. Filed Nov. 15, 1924. Serial No. 11,386. Term of patent 7 years.



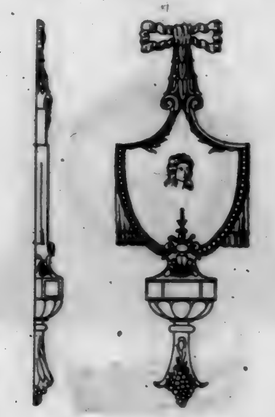
The ornamental design for a candle holder or a similar article, as shown.

67,109. LIGHTING-FIXTURE BRACKET. MAX STERN, Brooklyn, N. Y., assignor to Biltmore Lighting Fixture Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 29, 1925. Serial No. 12,181. Term of patent 7 years.



The ornamental design for a lighting fixture bracket, as shown.

67,110. BRACKET BACK FOR LIGHTING FIXTURES. LESTER R. WELLMAN, Chicago, Ill. Filed Nov. 28, 1924. Serial No. 11,525. Term of patent 3½ years.



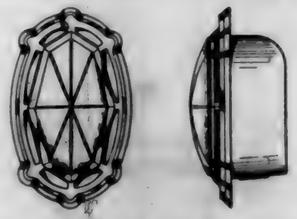
The ornamental design for a bracket back for lighting fixtures, as shown.

67,111. DOME LIGHT. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,445. Term of patent 7 years.



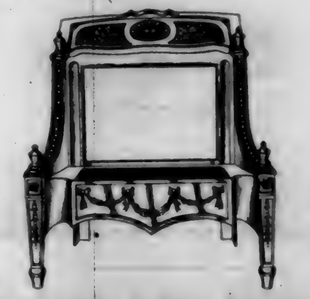
The ornamental design for a dome light, substantially as shown.

67,112. CORNER LIGHT. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,446. Term of patent 7 years.



The ornamental design for a corner light, substantially as shown.

67,113. GAS HEATER. AARON H. WOLFF, New York, N. Y. Filed July 26, 1923. Serial No. 6,867. Term of patent 7 years.



The ornamental design for a gas heater as shown.

67,114. TEXTILE FABRIC. FREDERICK ZIMMERER, Middletown, Conn., assignor to The Russell Manufacturing Company, Middletown, Conn., a Corporation of Connecticut. Filed Sept. 2, 1924. Serial No. 10,633. Term of patent 14 years.

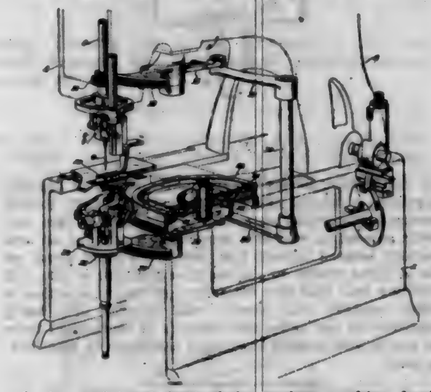


The ornamental design for a textile fabric as shown and described.

PATENTS

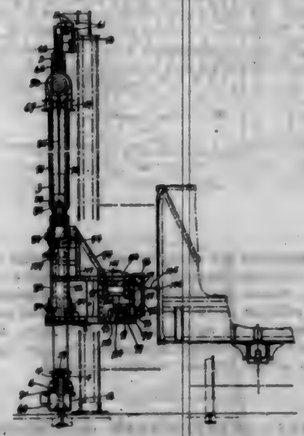
GRANTED APRIL 21, 1925.

1,534,017. MACHINE FOR SEWING ROUND-EYE BUTTONHOLES. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 9, 1924. Serial No. 685,101. 3 Claims. (Cl. 112—71.)



1. An eyelet-end buttonhole sewing machine having stitch-forming mechanism and a work-holder with means for relatively rotating the stitch-forming mechanism and work-holder in sewing around the eye-end of a buttonhole and for reversely relatively rotating the stitch-forming mechanism and work-holder in sewing the side stitches immediately adjacent the eye-stitches.

1,534,018. TRAVELING RIVETING PLATFORM. JOSEPH H. AMES, New York, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 31, 1922. Serial No. 548,375. 21 Claims. (Cl. 78—19.)

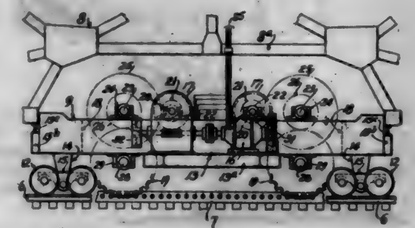


1. In a device of the class described, an independently operated work platform, a movable plate carried by said platform for holding-up rivets while being headed and operating means for moving said plate to and from holding-up position.

1,534,019. DYEING ACETYL CELLULOSE OR FABRICS CONTAINING THE SAME AND NEW PRODUCTS FOR USE THEREIN. JAMES BADDILEY, ARNOLD SHEPHERDSON, HERBERT SWANN, JAMES HILL, and LESLIE GORDON LAWRIE, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Oct. 9, 1924. Serial No. 742,703. 4 Claims. (Cl. 8—5.)

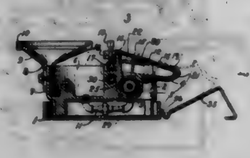
3. The manufacture of new products for dyeing acetyl silk by intimately mixing substantially insoluble colouring matters having affinity for acetyl silk with a naphthalene formaldehyde sulphuric acid condensation product.

1,534,020. TRACTOR BRIDGE CRANE. HIRAM E. BALDWIN, Cleveland, Ohio, assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio, an Incorporated Company. Filed Nov. 8, 1924. Serial No. 748,664. 8 Claims. (Cl. 105—29.)



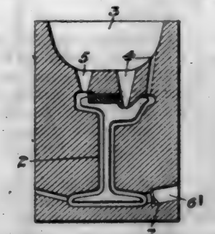
1. In combination, a bridge-crane having supporting legs mounted on wheeled trucks; parallel track rails forming runways for said trucks; racks along said runways between said rails; bull-pinion tractors, movably mounted on said rails centrally of the leg-members, in operative relation to said racks; sills, connecting said leg members above the tractors, and stop-members severally extending from the sills to the front and rear of said tractors when in their stated positions on the rails.

1,534,021. SHOE HEATER. WILLIAM H. BAYNARD, Quincy, Mass., assignor to Harry H. Beckwith, Brookline, Mass. Filed Dec. 12, 1921. Serial No. 521,758. 14 Claims. (Cl. 12—1.)



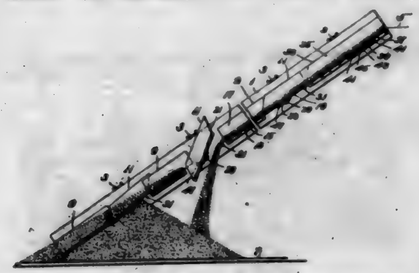
1. In a shoe heater, a trough, a heating element extending longitudinally in said trough, a shallow basin extending along one side of said trough in position to receive water boiled over from said trough, and a support for a shoe part positioned above said basin.

1,534,022. MEANS FOR PLUGGING AUXILLARY GATES OF MOLDS. EDWARD F. BROTRUP, Jersey City, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Aug. 15, 1923. Serial No. 657,528. 8 Claims. (Cl. 22—116.)



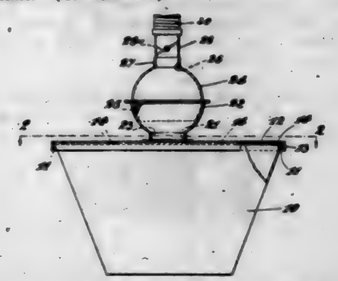
1. Means for sealing gates of welding molds comprising a metal cup adapted to be inserted and fitted bodily within the gate.

1,534,023. COAL CHUTE. HAROLD E. BETTON, Lynn, Mass. Filed Apr. 17, 1924. Serial No. 707,806. 10 Claims. (Cl. 193—14.)



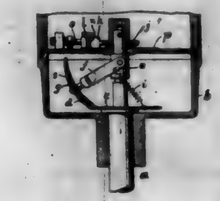
1. Apparatus for piling material, comprising an inclined chute having fixed and tiltable floor sections in alternating relation, said tiltable sections being adapted for conducting material from fixed section to fixed section, and said tiltable sections being free to be tilted automatically to discharge positions by rising of the piled material in the chute onto the lower portions of the tiltable sections.

1,534,024. PROCESS FOR FUME CONTROL. VERN K. BOYNTON, New York, N. Y., assignor to Perry & Webster, Inc., New York, N. Y., a Corporation of New York. Filed May 27, 1921. Serial No. 473,073. 6 Claims. (Cl. 134—26.)



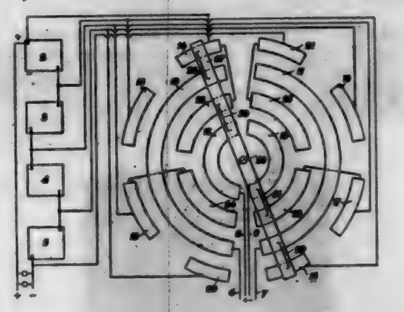
1. A process for controlling fumes within a covered kettle which comprises admitting air into the upper portion of the kettle, inducing a draft to the upper portion of the kettle and controlling the amount of draft whereby the amount of air drawn into the kettle will be controlled.

1,534,025. TIMER GOVERNOR. WILLIAM C. BRINTON, Jr., Kennett Square, Pa., assignor to Philbrin Corporation, Kennett Square, Pa., a Corporation of Delaware. Filed June 17, 1921. Serial No. 478,456. 4 Claims. (Cl. 200—32.)



2. An ignition device for internal combustion engines, comprising a driving shaft, a breaker cam shaft, loosely connected therewith, an arm provided with a cam slot fixedly secured to said first mentioned shaft, and an arm pivotally secured to said last mentioned shaft about an axis at right angles to the shaft, a free end of the arm extending into said slot whereby a driving connection is formed between said shafts, said pivoted arm being adapted to fly out under the influence of centrifugal force and rotate said breaker cam shaft relatively to said driving shaft.

1,534,026. CHARGING SECONDARY BATTERIES. EDWARD LANCASTER BURNS, Westminster, London, England. Filed Feb. 10, 1923. Serial No. 618,429. 7 Claims. (Cl. 171—314.)

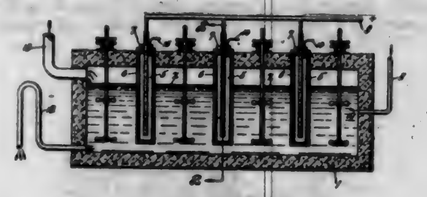


1. In apparatus for charging secondary cells in which a dynamo electric machine is employed, cells arranged in groups, means for combining or for separating the groups in relation to the power developed and means for charging each of the said groups in succession, the duration of said charge being determined by the number of revolutions of the dynamo electric machine.

1,534,027. MANUFACTURE OF CHLOROFORM. HORACE G. BYERS, Montclair, N. J., and WALLACE B. VAN ARSDEL, Berlin, N. H. Filed Oct. 20, 1921. Serial No. 511,435. 5 Claims. (Cl. 204—6.)

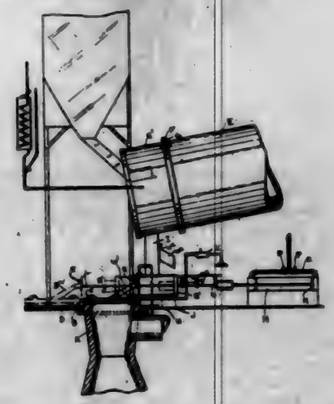
1. The herein described process of making chloroform, which comprises electrolytically decomposing an acid

and liberating nascent hydrogen in the presence of a solution of carbon tetrachloride in a solvent thereof,



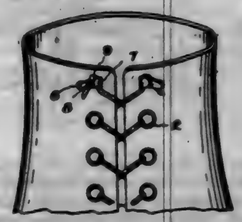
thereby reducing the carbon tetrachloride with the nascent hydrogen thus liberated, and separating and recovering the chloroform.

1,534,028. CHARGING DEVICE FOR BLAST FURNACES. JOSHUA K. CLUTTS, Detroit, Mich. Filed Sept. 25, 1922. Serial No. 590,496. 7 Claims. (Cl. 214—2.)



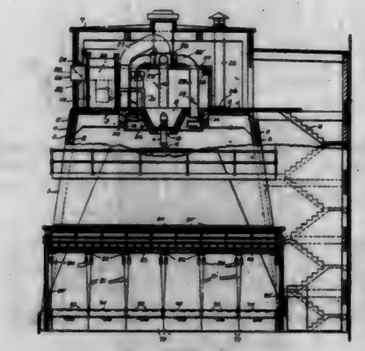
1. In a charging device, the combination with a blast furnace, of a closure therefor, a container for a quantity of ore, means for weighing said container and its contents, and a common means for shifting said closure to open position and for delivering the contents of said container into the blast furnace.

1,534,029. FASTENER FOR SHOE LACES AND THE LIKE. ARTHUR LEWIS COCHRANE, Toronto, Ontario, Canada. Filed Feb. 6, 1923. Serial No. 617,222. 5 Claims. (Cl. 24—117.)



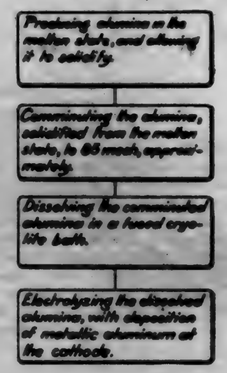
1. In a fastener for shoe laces and the like, the combination of a wedging member in which a lace may be inserted and wedged therein; and a retaining member integral with the wedging member, a shoulder being formed on the edge of the retaining member adjacent the wedging member and under which the lace may be engaged.

1,534,030. DRYING APPARATUS. JOSEPH G. COFFIN, Hempstead, N. Y., assignor to The General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,585. 36 Claims. (Cl. 18—2.)



1. In an apparatus for drying latex and similar material, a drying chamber, means for supplying comminuted latex and a drying medium thereto, and means movable through the chamber for obtaining an integrated deposit of the dried latex.

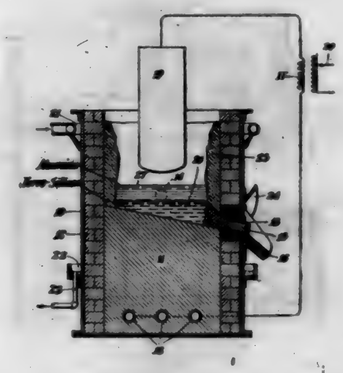
1,534,031. ELECTROLYTIC PRODUCTION OF ALUMINUM. FRANCIS C. FRARY, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 10, 1924. Serial No. 705,459. 5 Claims. (Cl. 204—20.)



1. In a process of producing metallic aluminum by electrolytic reduction of alumina in a fused bath containing sodium and aluminum fluorids, the steps comprising finely dividing alumina, solidified from the molten

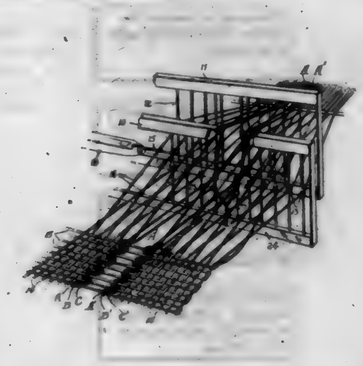
state, into particles of a size enabling the same to remain in suspension in the fused bath until dissolved therein, supplying the finely divided alumina to the bath for solution therein, and electrolyzing the same.

1,534,082. TESTING MOLTEN ALUMINA. LEO WILLIAM GABRIEL, Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 29, 1924. Serial No. 689,202. 4 Claims. (Cl. 204—64.)



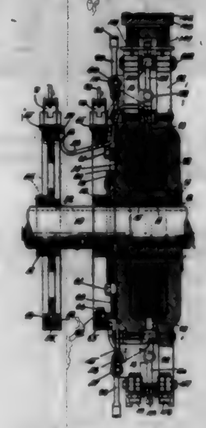
1. A method of testing a molten nonmetallic alumina-bearing product, comprising withdrawing a readily freezable sample thereof spread over a relatively large surface and permitting the same to solidify in the air, whereby characteristic color is produced on the surface exposed to the air.

1,534,033. ATTACHMENT FOR LOOMS. MAURICE A. GOLDMAN, Milford, N. H., assignor to Milford Textile Corporation, Milford, N. H., a Corporation of New York. Filed Nov. 13, 1924. Serial No. 749,690. 4 Claims. (Cl. 139—53.)



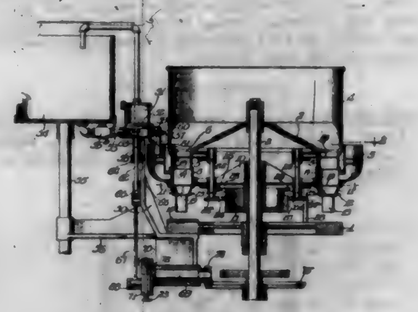
3. A center selvage attachment, comprising a flexible lene guiding member consisting of a linked chain having its upper portion separated into two portions to receive the lene threads of adjacent selvages, substantially as described.

1,534,084. APPARATUS FOR ELECTRICALLY WELDING WIRE FABRIC. WILLIAM S. SOUTHWICK, Clinton, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1921. Serial No. 521,370. 21 Claims. (Cl. 219—4.)



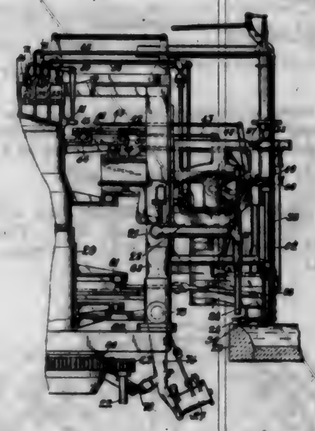
1. In an electric welding machine, a rotating transformer, a series of welding jaws connected to each branch of the secondary circuit of said transformer, and complemental welding jaws for each of said sets of welding jaws.

1,534,035. LIQUID MEASURING AND FILLING MACHINE. CLARENCE E. STEERE, Milwaukee, Wis., assignor, by direct and mesne assignments, of one-half to Sprague Canning Machinery Company, Chicago, Ill., a Corporation of Illinois, and one-half to Ayars Machine Company, Salem, N. J., a Corporation of New Jersey. Filed Jan. 17, 1918. Serial No. 212,246. 8 Claims. (Cl. 226—97.)



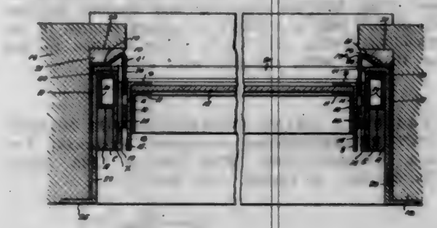
1. A filling machine, including a series of moving measuring chambers, means for supporting and moving cans thereunder, means for supplying bulk material to the measuring chambers for discharge into cans thereunder, a series of troughs movable with the measuring chambers, and means for supplying liquid to said troughs said troughs being in communication with said chambers and delivering liquid thereto.

1,534,036. GLASS-FORMING MACHINE. THOMAS STRUTHERS, Washington, Pa., and LEONARD D. SOUDERS, Toledo, Ohio, assignors to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 29, 1922. Serial No. 591,246. 11 Claims. (Cl. 49—5.)



9. In a glass forming machine, the combination of a mold, means to charge the mold by suction, a rock shaft, a cutter carried thereby, means to rock said shaft and thereby swing the cutter across the end of the mold to sever the glass, means to open the mold after the glass is severed, and a burner carried by said rock shaft and moved thereby into operative relation to the glass after the mold is opened.

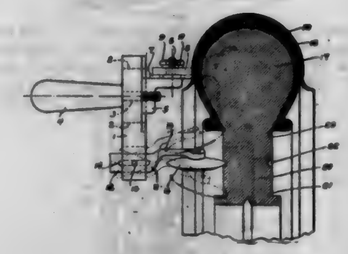
1,534,037. METAL WINDOW CASING. LEROY B. TAYLOR, Cleveland, Ohio. Filed July 31, 1922. Serial No. 578,600. 3 Claims. (Cl. 189—36.)



1. The combination with pivoted sashes, of a window frame comprising side bars of channel section, each bar having a flange 17 adjacent the wall and a flange 20 adjacent the sash, a finishing member 23 extending from the inside of the wall and lapping the flange 17, and a channel strip 24 set between the sashes and the member 23, the sashes being pivoted to said strip.

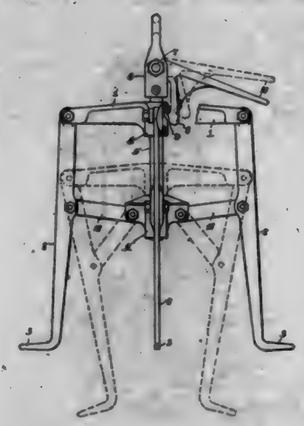
1,534,038. TIRE-BUILDING TOOL. WILLIAM THOMPSON, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed June 8, 1921. Serial No. 475,923. 8 Claims. (Cl. 154—8.)

6. A unitary hand tool for trimming a tire mounted on a rotatable carrier, having a knife, a gage adjacent the knife for regulating the depth of cut, and means fixedly spaced laterally of the knife for guiding it during the cutting operation in a path concentric to the carrier, said last named means including spaced rollers whose



independent axes are convergent toward the axis of the carrier and on opposite sides of a line connecting the knife and the axis of the carrier.

1,534,039. WIRE-BLOCK-STRIPPING MECHANISM. PHILIP V. TIPPET, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed June 29, 1923. Serial No. 648,449. 3 Claims. (Cl. 294—97.)

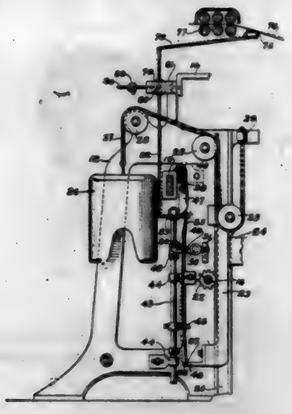


1. In a stripping device, the combination of a spider, a plurality of levers pivotally suspended from said spider at circumferentially spaced points and formed with outwardly directed fingers adapted to engage with a bundle of wire on a suitable support, a member vertically reciprocably mounted in said spider and operatively connected with said levers to swing the same in or out as desired, said member being provided with external attaching means, and means adapted to lock said member and spider together.

1,534,040. TENSION FEELER. SOLOMON GILBERT TOUCHSTONE, Columbia, S. C. Filed Sept. 27, 1923, Serial No. 665,079. Renewed Oct. 25, 1924. 10 Claims. (Cl. 118—3.)

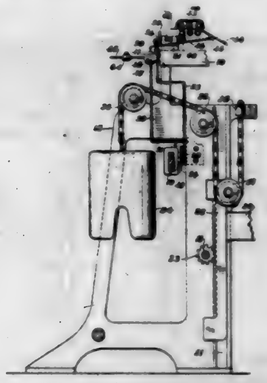
1. In a machine of the class described, the combination of a shipper rod, an arm movable to shift the

same, a latch normally holding said arm against movement, means normally in contact with the silver, and



operable by abnormal tension thereof to release said latch.

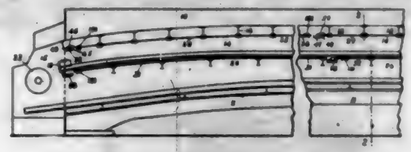
1,534,041. TENSION FEELER. SOLOMON GILBERT TOUCHSTONE, Columbia, S. C. Filed May 2, 1924. Serial No. 710,605. 9 Claims. (Cl. 118—3.)



1. In a machine of the class described, the combination of a shipper rod, an arm movable to shift the same, a latch normally holding said arm against movement, a continuously driven reciprocating trip finger, means for guiding said trip finger so that it normally moves clear of the latch, and means operable by the silver when subjected to abnormal tension to swing said trip finger into a position so that its reciprocation will cause it to contact with and release said latch.

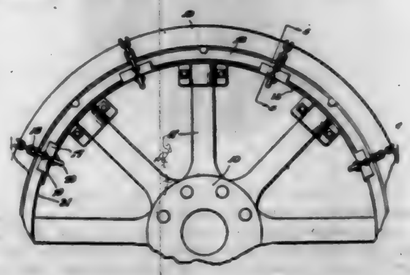
1,534,042. ELECTRICALLY-HEATED TRAVELING OVENS. ROBERT GEORGE TUGENDHAT, Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Filed Aug. 1, 1924. Serial No. 729,535. 8 Claims. (Cl. 219—35.)

1. In a traveling oven, the combination with a baking chamber provided with corresponding openings at both ends, of moving platforms carrying the articles to be baked therethrough, and of two sets of electric heaters, one placed above the said platforms, and the other one beneath the same, one of the said sets consisting of a



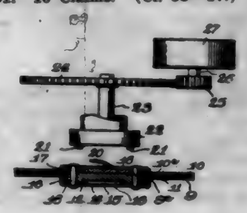
suitable number of sections arranged lengthwise in the said chamber, each section thereof being separately controllable, and the other set being controlled as a whole.

1,534,043. ANTISKIDDING DEVICE FOR AUTOMOBILES. AMOS A. TYSON, Albany, N. Y. Filed Apr. 23, 1924. Serial No. 708,475. 3 Claims. (Cl. 152—14.)



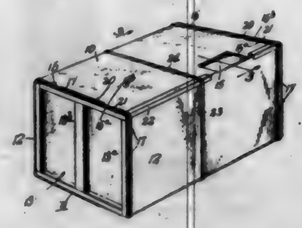
3. An anti-skidding device for vehicle wheels comprising a plurality of arcuate sections fitting the inner periphery of the felly, each section being divided along a medial line in the plane of the wheel, half sockets on said sections along said medial line, ears on said half sockets, bolts engaging in said ears and adapted to tighten the sockets around the spokes; spaced lugs along the outer edges of said sections overhanging the sides of the felly, an eyelet on said sections adjacent each of said lugs, and chains detachably secured in corresponding eyelets, said chains being adapted to fold over the tire while engaging with said lug.

1,534,044. CRANK CONNECTION FOR MOTION-PICTURE MACHINES. ALEXANDER FERDINAND VICTOR, Davenport, Iowa. Filed Dec. 10, 1923. Serial No. 679,801. 10 Claims. (Cl. 88—17.)



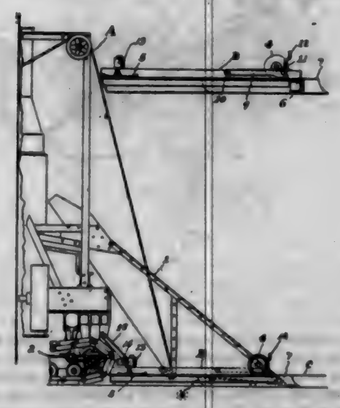
1. In a motion picture camera a suitable box having a hinged door, a disk-like clutch member journaled in an aperture in said door, a second clutch member mounted within said box and having elements projecting laterally therefrom, and spring fingers upon the first-mentioned clutch member coacting with the elements upon the second-mentioned clutch member when the door is closed, whereby retarded movement of the first clutch member will permit the lateral elements of said second clutch member to move past said spring fingers and effect a gradual slowing down of said second clutch member and the mechanism associated therewith.

1,534,045. BOX. HARRISON B. WALTER, Chicago, Ill., assignor to Chicago Mill and Lumber Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 18, 1922. Serial No. 601,820. 2 Claims. (Cl. 217—12.)



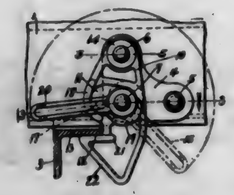
1. A box, comprising a blank creased to define sides, bottom and top section, end cleats attached to said blank and constructed to form end frames when the blank is folded into tubular form, and end blanks adapted to be attached to said end frame, said end blanks being provided with intermediate posts to extend between opposed end cleats, metal bands attached to the ends of the bottom wall section, to the ends of each of the side wall sections and to the ends of a narrow part only of the top wall section adjacent to the side wall section to which said top wall section is connected, said bands having free end parts which are adapted to be brought into overlapping relation above the top section of the box after the box is packed and to be drawn together,—with a space below the overlapped band ends for the insertion of a tool for drawing said band ends together and attaching and sealing them.

1,534,046. SUBGRADE PLANER. GEORGE E. WEBB, Milwaukee, Wis., assignor to Koehring Company, Milwaukee, Wis., a Corporation. Filed Jan. 6, 1922. Serial No. 527,423. 13 Claims. (Cl. 94—45.)



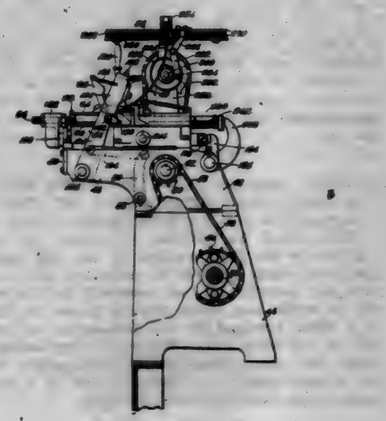
1. In combination, a portable road building machine, a movably mounted subgrade finisher extending over the subgrade and disconnected from the road building machine, and a pusher element carried by the road building machine and adapted to engage the finisher at a point in the length thereof to above the finisher forward as the road building machine is advanced.

1,534,047. DOOR-LATCHING MEANS. VICTOR R. WILLOUGHBY, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 31, 1922. Serial No. 596,096. 10 Claims. (Cl. 105—308.)



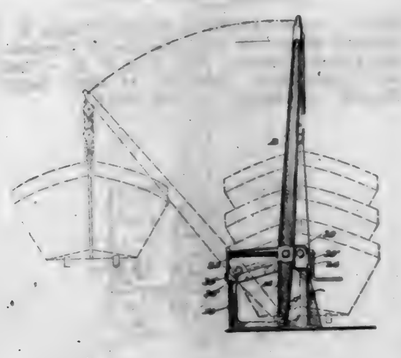
1. In a car, a door, a pivotally mounted latch for said door having a slot spaced from said pivot, a locking cam for said latch and a support for said cam engaging in the slot in said latch.

1,534,048. HEEL-LIFT ALINING, PRESSING, AND NAILING MACHINE. ERASTUS E. WINKLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Mar. 20, 1919, Serial No. 283,693. Divided and this application filed Sept. 15, 1920. Serial No. 410,444. 40 Claims. (Cl. 1—33.)



1. A heel machine having, in combination, a form for receiving a heel of loosely assembled lifts, means for actuating the form in two stages to first preliminarily aline the component lifts and then to cause the form to occupy its final alining and clamping position, and means for subsequently forcing the heel in the direction of its height into the form and to subject it to pressure.

1,534,049. LIFEBOAT DAVIT. SIM EMIL ALLBIN, Seattle, Wash., assignor to Mayer Life Boat Co. Inc., Seattle, Wash. Filed Dec. 31, 1921. Serial No. 526,146. 4 Claims. (Cl. 9—22.)



1. In a device of the character described, a boom having its one end provided with a pair of elongated prongs, a support, a pivotal connection between said support and the free ends of said prongs adapted to permit vertical swinging movement of said boom, a stub shaft rotatably supported between said prongs adjacent the inner ends thereof, a worm shaft, said stub shaft carrying a nut, the stub shaft having a threaded passage to receive the worm shaft and being flattened on opposite sides at right angles to the axis of the worm shaft and having cylindrical ends of a larger cross section than the central portion thereof whereby said stub shaft may be placed in position from either side of the boom.

1,534,050. MANUFACTURE OF PRESERVED FRUITS. PAUL BARRIELLÉ, Apt, France. Filed Apr. 19, 1923. Serial No. 633,281. 2 Claims. (Cl. 99—11.)

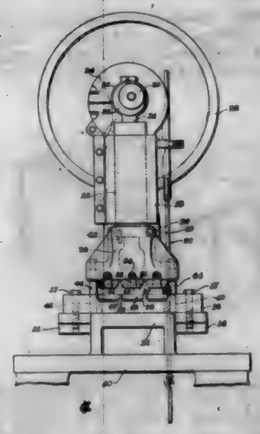
2. A process for the manufacture of preserved fruits by diffusion consisting in passing a highly concentrated solution of sugar successively through fruit contained in a plurality of vats, restoring the solution of weak concentration passing from the last vat to its initial high concentration and heating and returning it to the first vat.

1,534,051. PROCESS FOR THE DIRECT REDUCTION OF ORES, AND PARTICULARLY OF IRON ORES. LUCIEN PAUL BARBET, Paris, France. Filed Feb. 21, 1923. Serial No. 620,505. 1 Claim. (Cl. 75—75.)

A process for the reduction of ores and particularly iron ores, which consists in subjecting the ore, mixed with the quantity of coal necessary for its reduction and to which are added suitable fluxes, to the action of a flame obtained by the combustion of pulverized coal in the necessary quantity of superheated air, in order that the combustion produces carbon monoxide and a small quantity of carbonic acid in a proportion smaller than that of carbon monoxide.

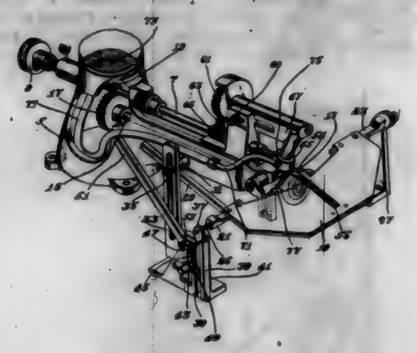
1,534,052. SOLE-MOLDING PRESS. FRANK E. BECKMAN, Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 16, 1920. Serial No. 366,265. 8 Claims. (Cl. 12—32.)

1. A molding machine for breaking down the margin at the toe end only of soles having, in combination, a female mould having a wall shaped to receive the toe end of the sole and accurately fit it, a male mould opposite the female mould at the grain side of the sole, said moulds having co-operating oblique margin molding



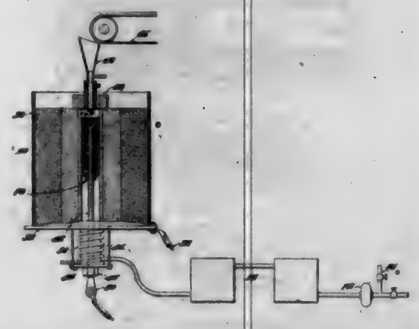
walls, and means for causing relative approach of said moulds to shape said margin of the sole by pressure between said oblique walls to facilitate the entrance of the needle in the sewing operation.

1,534,053. OVERFLOW-TRIMMING MACHINE. JAMES A. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 12, 1921. Serial No. 507,195. 20 Claims. (Cl. 164—68.)



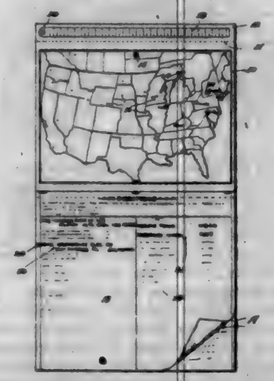
1. A machine for trimming a fin from a molded rubber article having, in combination, a rotary cutter, a co-operating shear member, a thin-edged guard having its work-engaging portion extending in front of the cutter whereby a face of the article may be held against the guard and the article so fed as to cause the fin to be severed substantially flush with said face, and means whereby the guard may be adjusted toward and from the cutter.

1,534,054. PROCESS FOR SYNTHETIC MANUFACTURE OF CYANIDE. GALEN H. CLEVENGER, Brookline, Mass., assignor to United States Smelting, Refining & Mining Company, Portland, Me., a Corporation of Maine. Filed Sept. 6, 1921. Serial No. 498,731. 14 Claims. (Cl. 204—64.)



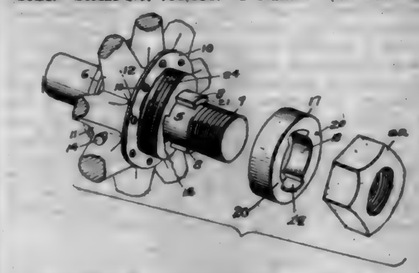
1. The process of synthetically producing cyanide, which consists in passing a stream of intermingled nitrogenous gas and vaporized metallic compound through a mass or zone of incandescent carbonaceous material, which extends completely across the path of flow of the gas, maintaining a temperature throughout the zone which precludes the existence of carbon dioxide therein and in the reaction gases issuing therefrom, supplying fresh carbonaceous material to replace the carbon consumed and continuously removing the products of the reaction.

1,534,055. RADIOCHART. JAMES P. COUGHLIN, Kansas City, Mo. Filed Apr. 13, 1923. Serial No. 631,828. 1 Claim. (Cl. 35—6.)



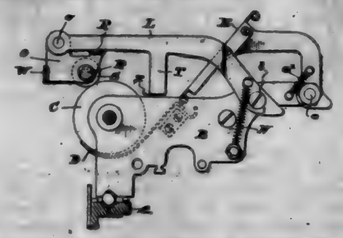
As a new article of manufacture, a radio chart including an oblong card bearing the representation of a map at its upper portion and provided immediately beneath the map with sheet bearing indicia pertaining to the map, the upper margin of the card immediately above the map being apertured near one end at one corner of the card and calibrated transversely of the card to represent a ruler having its union with the map weakened by a transverse score line whereby the ruler may be readily severed from the map and pivotally mounted thereon by a fastening device extending through said aperture and map for use in determining distances on the map.

1,534,056. SPINDLE AND WHEEL CONSTRUCTION. VINCENT DE BELLIS, New York, N. Y. Filed Aug. 18, 1924. Serial No. 731,850. 4 Claims. (Cl. 301—112.)



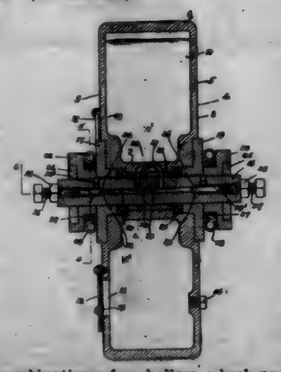
4. The combination with a spindle, of a hub rotatable thereon, means for holding the hub in the normal inner position so that it is free to rotate, and means to lock the hub to the spindle against rotation when the hub moves outwardly upon the spindle beyond the normal rotating position.

1,534,057. TYPEWRITING MACHINE. GUSTAVE O. DEGENER, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed July 14, 1924. Serial No. 726,019. 6 Claims. (Cl. 197—127.)



1. In a typewriting machine, the combination of a platen carriage, a movable frame mounted therein to move rearwardly from operative position, and a roll carrying ball connected to said frame above the plane of the rolls and movable to a position in front of the platen.

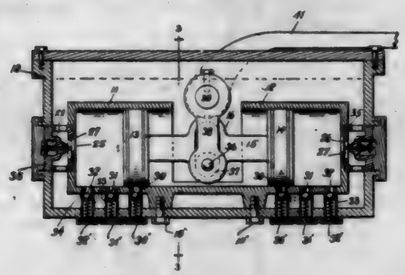
1,534,058. PLOW GAUGE WHEEL. GUY DENBIGH and ROY WALKER, Vulcan, Alberta, Canada. Filed Feb. 3, 1921, Serial No. 442,164. Renewed Oct. 15, 1924. 3 Claims. (Cl. 64—28.)



1. The combination of a hollow wheel provided with an axial opening surrounded by a tubular wall constituting the hub of the wheel and internally formed to

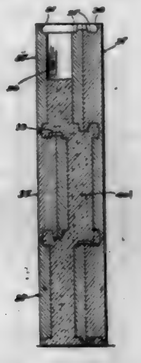
provide a shoulder adjacent each end of the hub, an axle journalled in the hub, gland plates having bearing on the axle at the ends of the hub, and packing material interposed between said plates and the aforementioned shoulders, said axle being provided with a longitudinal duct and a plurality of radial ducts interconnected by the said longitudinal duct, certain of said radial ducts being positioned intermediate the shoulders of the hub and adapted to register with openings formed in the latter during rotation of the wheel to permit oil to pass from the interior of the wheel to the said longitudinal duct, the remaining radial ducts of the axle being positioned to conduct oil to the bearing surfaces of the gland plates and needle valves mounted in the ends of the said longitudinal duct to control communication therebetween and the last-mentioned radial ducts.

1,534,059. FLUID-PRESSURE-CONTROLLING DEVICE. PAUL A. DENNETT, Saco, Me. Filed Feb. 11, 1924. Serial No. 692,126. 4 Claims. (Cl. 188—88.)



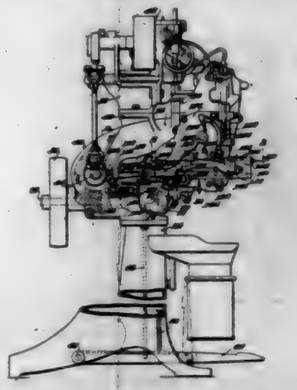
1. In a device of the class described, a casing, a plurality of cylinders therein, pistons in the cylinders, means rigidly connecting the pistons, valves admitting fluid from the casing to the cylinders, a plurality of valves for discharging fluid from each cylinder to the casing, and springs for these valves, the springs for the valves of each cylinder being of different strength.

1,534,060. WALL CONSTRUCTION AND BUILDING BLOCK FOR THE SAME. CARL J. DEXTER, West Lafayette, Ind. Filed Apr. 25, 1923. Serial No. 634,568. 6 Claims. (Cl. 72—29.)



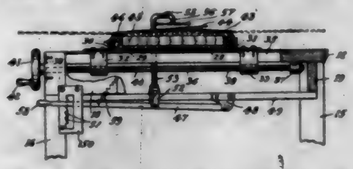
1. A building block comprising complemental sections having their adjacent surfaces correspondingly undulated, their exterior surfaces plain and flat, and their top and bottom surfaces provided with lengthwise running grooves of trapezoidal cross section.

1,534,061. MACHINE FOR OPERATING ON SHOE BOTTOMS. EDWARD ERICKSON, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 1, 1919. Serial No. 335,030. 61 Claims. (Cl. 12—67.)



1. A welt-butting machine having, in combination, means for supporting a welted unsoled shoe, a cutter for butting the end of the welt, a cutter carrier, means for actuating the carrier and cutter longitudinally of the shoe, and means disposed in sliding engagement with the upper surface of the cutter and supported by and movable with the cutter carrier for removing material adhering thereto.

1,534,062. MACHINE FOR FILLING CUSHIONS. JOHN A. FLOOD, Minneapolis, Minn., assignor to Northwestern Reed and Rattan Company, Minneapolis, Minn. Filed Mar. 23, 1921. Serial No. 454,618. 6 Claims. (Cl. 225—44.)



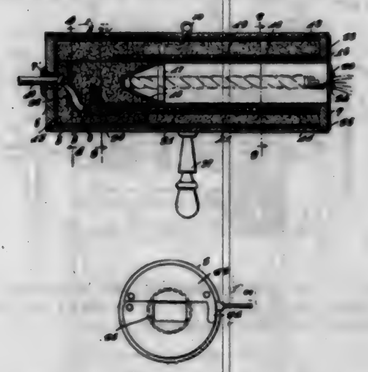
1. A stuffing machine comprising a cushion receptacle, said receptacle being positioned in fixed relation to the machine, hinged closure members connected to said receptacle, a horizontal arm adapted to swing over and above said cushion receptacle, a plate connected to said arm and adapted to engage said closure members and means for drawing said arm and plate downward to compress the stuffing within said receptacle.

6. A cushion stuffing machine including a padding receptacle open at its top adapted to receive the padding therethrough, a pair of hinged closure members adapted to close said open top, a pivoted arm adapted to swing away from and over said hinged closure members, a plate on said arm adapted to engage said closure members, a lever for forcing said arm against said closure members and means for locking said lever in the compressing position of said plate.

1,534,063. HAIR CURLER. DANIEL T. FRIDENA and WILLIAM B. JUDD, Brockwayville, Pa. Filed June 6, 1924. Serial No. 718,335. 2 Claims. (Cl. 132—36.)

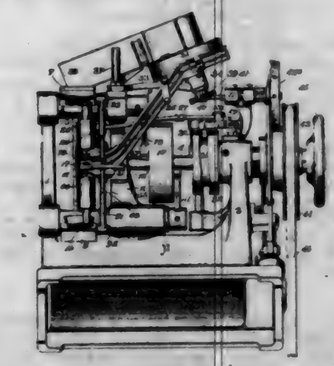
1. In a device of the character described, a body portion, a tubular member in the body portion, a heating element surrounding the tubular member, a supporting member having an inclined wall, an iron adapted to

be positioned in the tubular member, said iron adapted to engage the inclined wall of the supporting member when being positioned in the tubular member to cause



the iron to be supported centrally of the tubular member and in spaced relation with the walls thereof, and means for closing the ends of the tubular member.

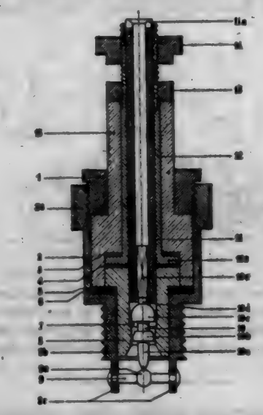
1,534,064. DUPLEX FASTENER-SETTING MACHINE. GEORGE W. JACQUES, Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 14, 1921. Serial No. 444,746. 14 Claims. (Cl. 218—15.2.)



3. In a machine having fastener-setting mechanism, mechanism for feeding the work step by step, and an operating shaft, a combination comprising fastener-supplying mechanism operable by said shaft, means for clamping the work between feeding steps, and means operable by an element of said fastener-supplying mechanism to prevent said clamping means from exercising its clamping action during the work-feeding periods.

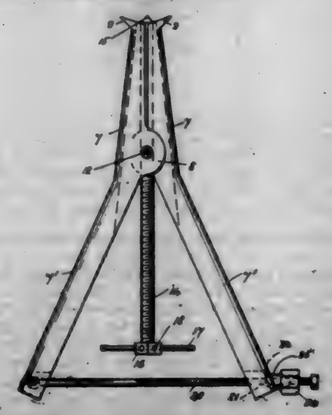
1,534,065. SPARKING PLUG. LUDOMIR KORCZYNSKI, Cracow, Poland. Filed July 18, 1922. Serial No. 575,790. 3 Claims. (Cl. 123—169.)

1. Electric sparking plug comprising a metal shell, an electrode fixed in the lower end of said shell, an outer metal tube axially disposed in said shell and insulated against it, an inner metal tube within and in contact with said outer metal tube and an axially movable electrode intermediate the lower end of said inner tube and said fixed electrode, a short non-cylindrical shaft on said movable electrode extending into the lower end of said inner tube, a valve body on said



movable electrode adjoining said shaft and adapted to close the lower end of said inner tube and an insulating sleeve surrounding said movable electrode.

1,534,066. EXTRACTING TOOL. RILEY E. LARKEY, Enid, Okla. Filed Jan. 9, 1924. Serial No. 685,231. 3 Claims. (Cl. 29—88.2.)

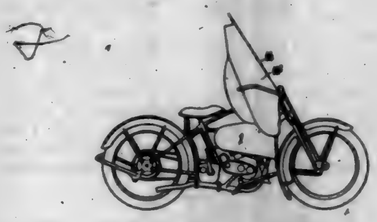


1. An extracting tool, comprising two arms having overlapping pivoted lugs at their middle portions, each arm having a handle portion arranged at an angle to its main portion and having a jaw at the free end of its main portion, a nut pivoted to and between the said lugs, and an extracting screw working in the nut and projecting between the main portions of the arms.

1,534,067. ENGINE-COOLING MEANS AND WEATHER PROTECTION FOR USE IN CONNECTION WITH MOTOR ROAD VEHICLES. HENRY ERNEST LLOYD OWEN, Winkfield, near Windsor, England. Filed Nov. 4, 1922. Serial No. 599,156. 12 Claims. (Cl. 206—150.)

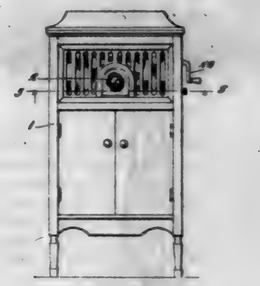
1. Weather protection means for motor cycles and the like comprising a flexible apron-like cover adapted to extend in front of the rider to afford protection for the upper part of the body, a frame adapted to sup-

port said cover comprising a pair of members (such as 8), a cross bar (such as 9) uniting the members towards their upper ends, an adjustable post pivotally attached to the cross bar, a clamping device upon a fixed tubular member of the frame of the cycle to which the lower ends



of the pair of members are pivotally secured and a clamping clip to which the post is pivotally attached, the arrangement being such that the cover may be adjusted towards and away from th seat and fixed in any adjusted position.

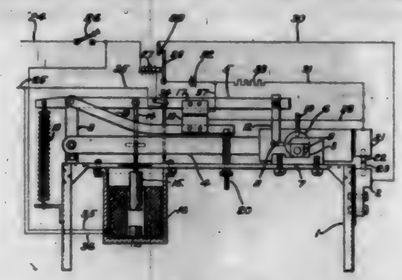
1,534,068. ATTACHMENT FOR PHONOGRAPHS. DUNCAN MCINTYRE, Gloversville, N. Y. Filed Apr. 30, 1924. Serial No. 710,122. 2 Claims. (Cl. 58—14.)



1. In combination with a phonograph having a chimes playing record thereon to be played thereby, of means for permitting the actuation of the phonograph motor to cause the playing of the chimes at determined intervals and for determined periods of time, comprising, in combination, a time piece actuated by a spring influenced train of gears including a notched striker wheel, a dog carrying striker arm to engage the notches of the wheel to normally hold the same from turning, and the means for swinging the striker wire to release the dog when the hands of the time piece are brought opposite hour indicating figures on the dial thereof, and in which said striker arm is extended and formed with an outer dog, a wheel carrying shaft engaged by the outer dog, a pinion on the shaft, a hollow shaft carrying a pinion in mesh with the first mentioned pinion, a gear loose on the shaft, clutch means operable through the shaft for locking the gear thereto, a wheel in mesh with the gear, and a worm on the shaft of the turnable table which is actuated by the phonograph motor, meshing with said wheel.

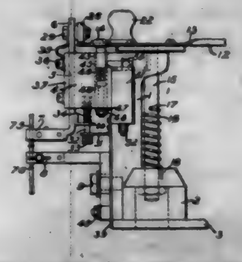
1,534,069. PERCUSSIVE WELDING MACHINE. ALLIS M. MACFARLAND, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,529. 23 Claims. (Cl. 219—4.)

1. In an electric welding machine, a plurality of chucks connected to a source of electrical energy and adapted to secure a pair of electrodes to be welded, means for making contact between said electrodes to complete the welding circuit, means for breaking said



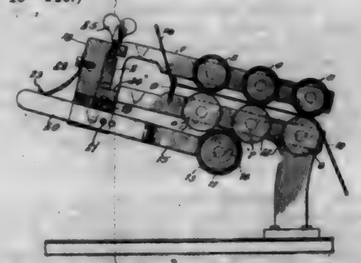
contact to establish a minor arc and subsequently establishing a major arc to fuse the electrodes and means for effecting percussive engagement thereof.

1,534,070. PERCUSSIVE WELDING MACHINE. ALLIS M. MACFARLAND, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 6, 1923. Serial No. 649,887. 17 Claims. (Cl. 219—4.)



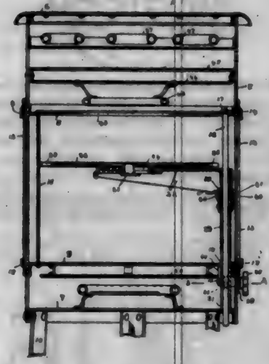
1. A welding machine comprising a frame, a stationary and a movable electrode holder mounted thereon, a roller mounted on said movable holder, a circular cam rotatably mounted in said frame and adapted to engage said roller, actuating means on said cam and independent actuating means on said movable holder and means for synchronizing the movements of said cam and holder.

1,534,071. ROLLER MECHANISM FOR SPINNING MACHINE. REGINALD A. MORSE, Providence, R. I. Filed Feb. 27, 1923. Serial No. 621,648. 8 Claims. (Cl. 19—140.)



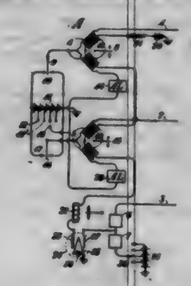
3. Means for keeping a longitudinally-grooved drawing roll clean, comprising a member having a surface held against the surface of the drawing roll, the contacting surfaces being caused to travel at substantially the same speed, the surface of the cleaning member being covered with projecting resilient filaments of sufficient length and stiffness to enter the grooves of the drawing roll to the bottoms thereof.

1,534,072. OVEN FOR COOKING STOVES. JOHN MURSCH, Utica, N. Y. Filed June 26, 1924. Serial No. 722,601. 6 Claims. (Cl. 126—338.)



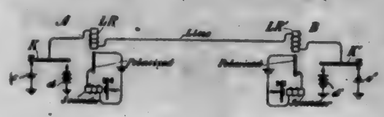
1. In a stove the combination of a chamber forming an oven having a door at its front side, a bracket swingingly mounted in the oven adjacent one side of the door and adapted to swing theretowards and a shelf revolubly mounted on the free end of said bracket and means operative from without the oven for vertically moving said bracket.

1,534,073. MEANS FOR NEUTRALIZING FOREIGN INTERFERENCE. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 19, 1922. Serial No. 562,146. 12 Claims. (Cl. 178—69.)



1. In a system comprising a grounded signaling circuit having a multiwinding receiving relay connected therewith, the said circuit being connected with one of the windings, a pilot circuit substantially coextensive with said signaling circuit, both of said circuits being subjected to substantially the same differences of earth potential, a vacuum tube having its grid connected with the pilot circuit and having its plate circuit connected with another of the said windings, of the receiving relay and having a source of direct current connected therewith, the method of substantially neutralizing differences of ground potential in the signaling circuit which consists in impressing upon the grid of the vacuum tube the earth potential set up in the pilot circuit and in opposing in the receiving relay the variations of the plate current against the variations set up in the signaling circuit by the same difference of earth potential.

1,534,074. TELEGRAPHY. RALSTMOND D. PARKER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 20, 1920. Serial No. 382,852. 8 Claims. (Cl. 178—2.)



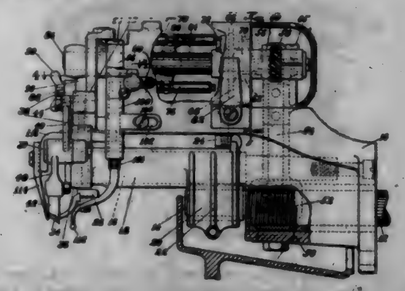
1. In a telegraph system, a line, a plurality of relays associated with the opposite ends thereof and responsive to reversals of current therein, transmitting devices associated with said relays, a source of current associated with each device, said sources being arranged to be in aiding relation in a predetermined like position of said devices, and another unequal source of current of opposite polarity associated with each device and arranged to be in opposition to the first mentioned source at the distant end in other predetermined relative position of said keys.

1,534,075. AUXILIARY HANDLE FOR HOES, RAKES, SHOVELS, ETC. WASHINGTON B. PARRISH, Kenbridge, Va. Filed July 27, 1923. Serial No. 654,203. 5 Claims. (Cl. 97—71.1.)



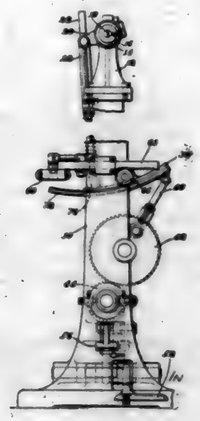
1. An attachment for implement handles comprising an auxiliary handle, an attaching bracket, and means for securing the bracket and the auxiliary handle upon the implement handle, the auxiliary handle being pivotally movable upon the bracket and including a grip member disposed at an angle to the axis of pivotal movement.

1,534,076. JOINTING MACHINE. FREDERICK H. PERRY, Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 8, 1916, Serial No. 130,175. Renewed Jan. 2, 1923. 46 Claims. (Cl. 12—85.)



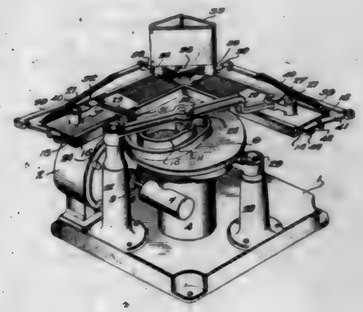
1. In a machine of the class described, the combination with means for trimming the edge of a shoe sole of continuously operating means for detaching the trimmed material from the sole, constructed and arranged to be controlled by the movement of the shoe in the machine.

1,534,077. MACHINE FOR SMOOTHING SHOE LININGS. ARTHUR F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 25, 1921. Serial No. 517,534. 21 Claims. (Cl. 12—51.)



1. In a machine for smoothing the linings of relasted shoes, in combination, a member constructed and arranged to be inserted between a last and a shoe completely relasted thereon, and a mounting for said member constructed and arranged to enable the member to be operated to smooth out the lining of a shoe and to permit a shoe to be held in both hands when presented in position to be operated upon by said member.

1,534,078. VEGETABLE-SLICING MACHINE. MEYER F. RUFFNER, New York, N. Y., assignor, by mesne assignments, to Potato Waffles, Inc., Dover, Del., a Corporation of Delaware. Filed July 11, 1924. Serial No. 725,391. 9 Claims. (Cl. 146—78.)



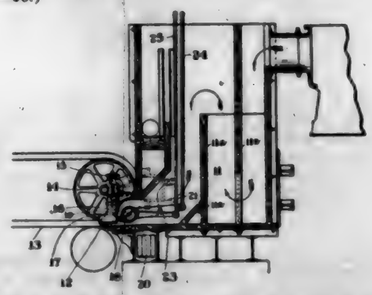
1. In a device of the character described, a hopper, a pair of cutting elements arranged at right angles to each other and adapted to be reciprocated alternately beneath said hopper, a main shaft, a disk mounted on said shaft, said disk being provided with a pair of cam tracks, and pivoted levers connected to said cutting elements and engaging said cam tracks.

1,534,079. ELECTRIC STEAM GENERATOR. ANDREW N. RUSSELL, BERNARD A. MALKIN, and WILLIAM P. MUIR, Lachine, Quebec, Canada. Filed May 2, 1922. Serial No. 558,028. 12 Claims. (Cl. 219—40.)



1. In an electric steam generator, the combination with a tank for more than one phase, of tubular electrodes and tubular neutral plates, disposed concentric with the electrodes whereby uniform separation and current flow is made possible between each electrode and its corresponding neutral plate.

1,534,080. FLOW BOX FOR PAPER MACHINES. ANDREW N. RUSSELL, Lachine, Quebec, Canada. Filed June 30, 1923. Serial No. 648,766. 5 Claims. (Cl. 92—46.)



1. In a flow box for paper making machines, means for diverting the flow of the pulp into two streams, means for rotatably adjusting the diverting means, means for imparting vertical movement to the diverting means, means to bring the streams together, and adjustable means to control the flow of the mixture to a travelling wire.

1,534,081. BALL LOOP. JOSEPH SANDUSKY, New York, N. Y. Filed Dec. 30, 1922. Serial No. 609,901. 2 Claims. (Cl. 240—85.)



1. An electric light fixture comprising a support and an electric lamp provided with screw threaded openings, a coupling for connecting the lamp to the support comprising two short tubular members, a ball at one end of one of the said members engaging a socket at one end of the other member, the connection between the said ball and socket being freely movable and loosely fitting, screw threads at the outer ends of said members, adjacent to the said ball and socket, the said threads adapted to engage the said openings, the part of the coupling secured to the lamp adapted at all times when in operative position to normally assume a vertical position, a cut-away portion on the ball and an eccentric portion on the socket, the said portions cooperating to prevent substantial rotation of the ball and socket about the longitudinal axis of the joint but permitting free swinging movement.

1,534,082. DEVICE FOR PROTECTING CAR-AXLE JOURNALS. WILLIAM H. SANFORD, Buffalo, N. Y. Filed Nov. 11, 1922. Serial No. 600,457. 3 Claims. (Cl. 137—91.)



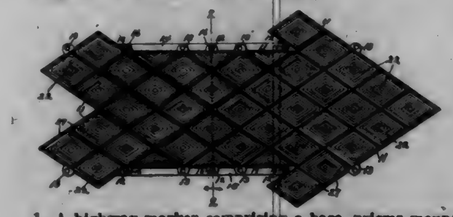
1. A device for protecting axle journals comprising a tube composed of water proofed sections molded to the journal shape, hinges connecting said sections and means adapted to secure the sections on the journal.

1,534,083. APPARATUS FOR RELINING MOTOR-VEHICLE BRAKE BANDS. ROBERT SARDESON, Minneapolis, Minn. Original application filed Nov. 25, 1921, Serial No. 517,728, which has matured into Patent No. 1,452,475, dated Apr. 17, 1923. Divided and this application filed Aug. 24, 1922. Serial No. 584,138. 5 Claims. (Cl. 218—19.)



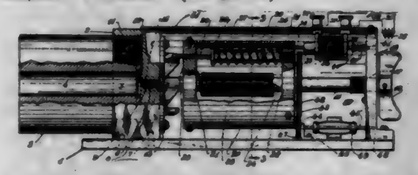
1. An apparatus for relining motor vehicle brake-bands of predetermined widths comprising a substantially annular anvil, the anvil being of greater width than the widest brake-band to be relined whereby a portion of the anvil may project beyond the brake-band when the anvil is in operative position, said projecting anvil portion being provided with an aperture, and means adapted to be inserted in said aperture to facilitate handling of the anvil.

1,534,084. HIGHWAY MARKER. CARL L. SCHOUBOE, Des Moines, Iowa. Filed Mar. 8, 1923. Serial No. 623,695. 6 Claims. (Cl. 40—125.)



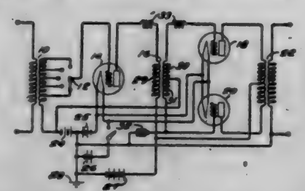
1. A highway marker comprising a base, prisms mounted thereon, angle bars fixed to said base and a bracket fixed to said angle bars and formed with an aperture and with notches radiating therefrom whereby said bracket is adapted to be mounted variously on a support.

1,534,085. DETONATING DEVICE. MAX SCHWARZER, Brooklyn, N. Y. Filed Apr. 2, 1923. Serial No. 629,520. 7 Claims. (Cl. 89—1.)



1. A detonating device comprising a stationary cartridge receiver, a combination rotary and sliding hammer and means for automatically controlling the latter.

1,534,086. TRANSFORMER CIRCUITS. EDWARD O. SCRIVEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1922. Serial No. 580,532. 7 Claims. (Cl. 179—171.)



1. A transformer comprising a winding having its outer layer connected to ground, a second winding superimposed on said first winding and having its outer layer connected to ground, a third winding superimposed on said second winding and having its inner layer connected to ground, and a condenser connected between ground and the outer layer of said third winding.

4. In combination, a transformer having two secondary windings, two vacuum tubes having cathodes connected together and to the adjacent terminals of said windings, and having control electrodes connected to the non-adjacent terminals of said windings, one of said control electrodes being connected to said cathodes through a path comprising a natural capacity in said transformer, and a path comprising a condenser connecting the other of said control electrodes to said cathodes.

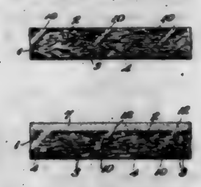
1,534,087. PORTABLE FOOD CONTAINER. WILLIAM H. SELLEW and HELEN W. SELLEW, Ann Arbor, Mich., assignors of one-half to Alfred T. Hopkins, Detroit, Mich. Filed Apr. 1, 1920. Serial No. 370,372. 2 Claims. (Cl. 219—35.)



1. The combination with a plurality of receptacles containing hot cooked food, of a portable container for the transportation of said receptacles, comprising an

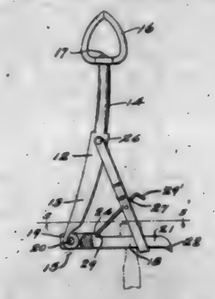
outer casing having a removable cover and heating insulation for said casing, and cover means for holding said receptacles within said container so as to form a surrounding air space, an electric heating unit arranged at the base of said container, a second unit arranged at a higher point within said container and provided with a flexible connection permitting of the removal thereof during loading and unloading, and electric connections by which said units may be drawn into circuit while the container is closed for heating the cooked food preliminary to serving.

1,534,088. WOOD-FIBER BOARD. JOHN K. SHAW, Minneapolis, Minn., assignor to B. G. Dahlberg, St. Paul, Minn. Filed May 23, 1918. Serial No. 236,161. 11 Claims. (Cl. 72—124.)



1. As a new article of manufacture a porous body of paper board material, containing coarse, fine and intermediate sized fibers disposed in layers, said body having a specific gravity of less than four tenths, and provided with a plurality of holes having ragged surfaces adapted to receive and anchor a plastic substance, substantially as described.

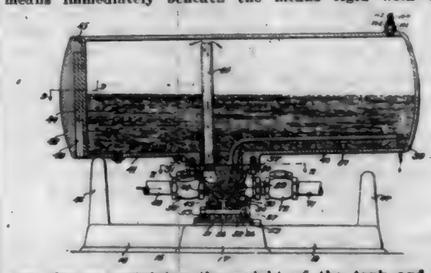
1,534,089. PUMP-ROD ELEVATOR. ROSE M. SHEARER, La Pryor, Tex., assignor of one-half to Hermon I. Bowen, La Pryor, Tex. Filed Oct. 2, 1924. Serial No. 741,159. 5 Claims. (Cl. 294—91.)



1. A device of the character described comprising a main supporting beam, a jaw member pivotally connected to the said beam, a bracket pivoted to the beam member and adapted to retain the jaw member in a horizontal position, and means for automatically releasing the said jaw member.

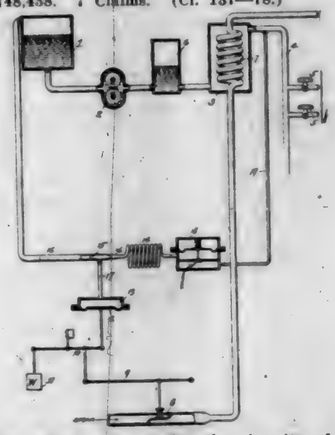
1,534,090. DEVICE FOR TRAPPING AND DELIVERING CONDENSATES. HOWARD G. SHORTT, Norristown, Pa., assignor to Frederick C. Farnsworth, Norristown, Pa. Filed Apr. 9, 1921. Serial No. 460,124. 22 Claims. (Cl. 137—103.)

1. A device of the character stated including a trap tank, two rigidly supported pivotal bearings for said tank spaced apart and respectively provided with oppositely directed tubular bearing portions, and centrally arranged means rigid with the tank intermediate of said spaced bearings and receiving the oppositely directed tubular bearing portions thereof, and further bearing means immediately beneath the means rigid with the



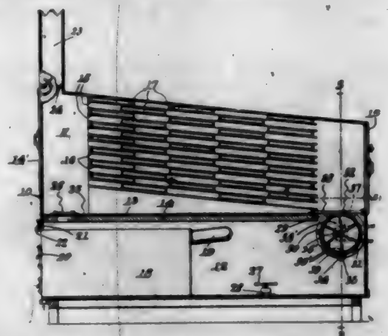
tank for so sustaining the weight of the tank and its contents that the friction due to the weight thereof is reduced at said pivotal bearings.

1,534,091. VISCOSITY REGULATOR. CHARLES H. SMOOT, Maplewood, N. J. Filed Nov. 7, 1924. Serial No. 748,438. 7 Claims. (Cl. 137—78.)



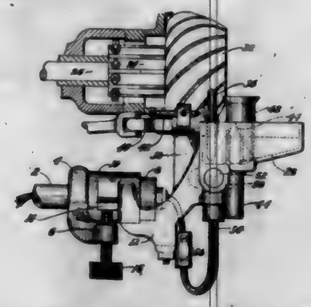
1. The method of regulating the viscosity of a fluid, which consists in heating the fluid, passing the fluid through a device responsive to variations in viscosity, and controlling the amount of heat supplied to the fluid in accordance with such changes in viscosity.

1,534,092. FRUIT-DRYING APPARATUS. WALTER H. SOLLE, Wilbur, Oreg. Filed May 19, 1924. Serial No. 714,448. 7 Claims. (Cl. 34—89.)



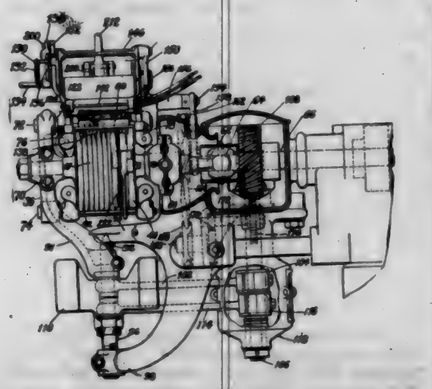
1. A fruit drier comprising a casing, means dividing the casing into an upper drying chamber and a lower heating chamber, heating means within the lower heating chamber, a blower mechanism arranged between the heating chamber and drying chamber and including a rotatable drum having a longitudinal discharge opening leading into the drying chamber, a centrifugal fan rotatable within the drum, and means to turn the drum upon its longitudinal axis.

1,534,093. WAX POT. JOHN F. STANDISH, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 22, 1921. Serial No. 463,503. 5 Claims. (Cl. 12—79.5.)



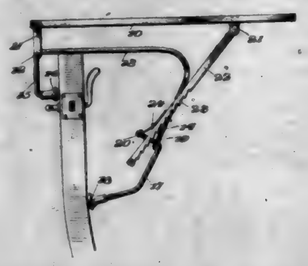
1. In a burnishing machine having a rotary burnishing tool, a wax pot comprising a supply compartment for solid wax and a communicating well for liquid wax, a disc-shaped feed wheel mounted in said well, means for rotating the feed wheel to apply liquid wax to the tool, means for heating the wax pot to convey heat to the wax and to the wheel, means for applying a flame to the rotatable wheel at a point thereon which is above the waxpot and away from the tool to preheat the wheel, and means constructed and arranged to limit the depth of liquid in the wax pot and conserve the excess supply of wax.

1,534,094. FINISHING MACHINE. JOHN F. STANDISH, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 10, 1922. Serial No. 600,169. 32 Claims. (Cl. 12—77.)



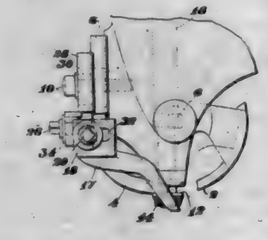
1. In a machine of the class described, a self heating burnishing tool comprising a series of burnishing elements arranged to rub against each other, and means for actuating said elements to heat the tool and burnish the work.

1,534,095. TRAY AND SUPPORT THEREFOR. THOMAS BATES WALKER, Nashville, Tenn. Filed May 5, 1924. Serial No. 711,132. 3 Claims. (Cl. 45—51.)



1. A tray and its support of the character described including a rigid frame having inturned engaging members at one side in spaced apart relation and an inturned engaging member at its opposite side opposing the first mentioned engaging members and located below and between the same, and a tray having a pivotal connection with one side of the frame and having an adjustable supporting arm at the opposite side of the frame and in movable connection with the latter.

1,534,096. TRIMMING MACHINE. FRANK H. WARREN, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Sept. 29, 1920. Serial No. 413,465. 12 Claims. (Cl. 12—83.5.)



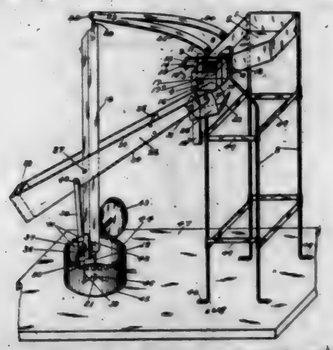
1. A shoe-trimming machine comprising means for trimming surplus material from the marginal portion of the upper on the bottom of a lasted shoe, a roll arranged to engage the channel flap of the sole, and a gage formed and arranged to project into the channel of the sole to turn up the channel flap into engagement with said roll and to regulate the closeness of trimming.

9. A shoe-trimming machine comprising three members, two of which are arranged and operated to trim surplus material from the marginal portion of the vamp standing up from the bottom of a lasted shoe, and two of which are formed and arranged to turn up, in two successive stages, the less erect portions of said surplus material.

1,534,097. MECHANICAL TOY. JOSEPH WILHELM and CHARLES A. KAYS, McKees Rocks, Pa. Filed Aug. 25, 1920. Serial No. 406,020. 5 Claims. (Cl. 46—37.)

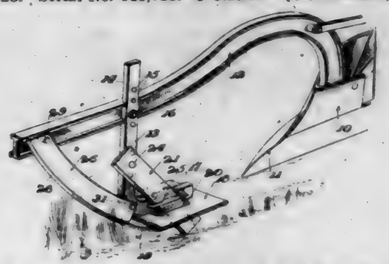
1. A toy comprising a base, an elevated marble trough supported on the base, a vertical post on the base in proximity to said trough portable about its vertical axis, a transverse beam pivotally carried on the post having a marble receiving bucket at one end thereof, means for normally maintaining the bucket end of the beam in elevated position, said beam being adapted to rock downwardly when a marble is received in the bucket, means actuated through the movement of said beam for feeding marbles into the bucket from said trough one at a time

to effect a rocking movement of the beam, cooperating gearing on the post and base for effecting a rotative



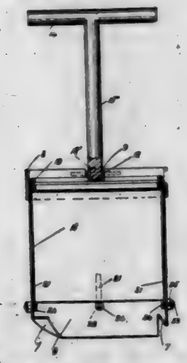
movement of the post, and means operatively connecting the beam with said gearing for operating the same when the beam is rocked.

1,534,098. CUTTER ATTACHMENT FOR PLOWS. WALTER GEORGE WOOD, Fellsmere, Fla. Filed June 6, 1923. Serial No. 643,723. 5 Claims. (Cl. 97—208.)



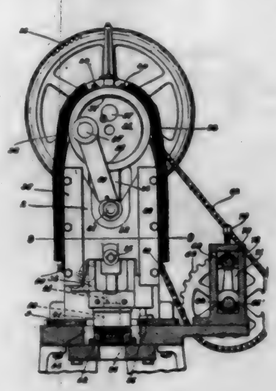
1. In combination with a plow of the character described, a ground-engaging shoe secured to the beam of said plow and adapted to move forward to the plow, whereby to crush and pack weeds or the like, a cutter projecting beneath said shoe and in alignment with said plow, and a second cutter extending between the forward end of the shoe and the beam.

1,534,099. ICE-CREAM DISHER. JULIUS BALZAK, Chicago, Ill. Filed June 26, 1924. Serial No. 722,483. 4 Claims. (Cl. 226—19.)



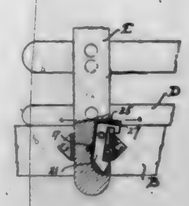
1. A dispensing device, comprising a cylinder open at each end and having undercut slots in its upper end, and a handle pivoted to the upper end of the cylinder at one side thereof and provided with arms which engage with the undercut slots and form an abutment for a container which is slidable in the cylinder.

1,534,100. MACHINE FOR MANUFACTURING CRIMPED PAPER CUPS. EDWIN L. ELWELL, Baltimore, Md. Filed Apr. 16, 1921. Serial No. 461,855. 12 Claims. (Cl. 93—60.)



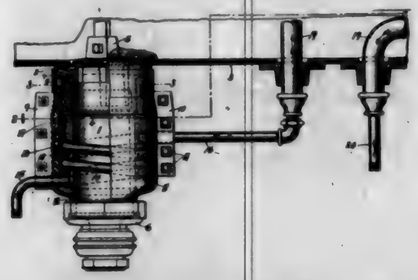
1. In a machine for crimping paper and the like in the manufacture of paper wrappers, means for feeding a web, a reciprocating cutter and a cooperating die, reciprocating crimping mechanism, means for carrying the cut blanks from the cutting mechanism to the crimping mechanism, the same having an intermittent motion and means for timing the parts so that the cutter and the crimping mechanism operate during the dwell of the carrier.

1,534,101. STAKE OR GATE HOLDER FOR TRUCKS. LEO EDWARD FISHER, Detroit, Mich. Filed June 28, 1923. Serial No. 648,328. 7 Claims. (Cl. 296—43.)



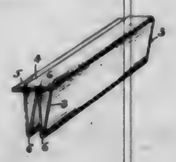
1. The combination with a desk, of a stake stocket carried by said deck, a stake fitted within said socket and removable therefrom, and a latch carried by said stake for engagement with said socket including means for yieldably urging the latch to a locked position, and means for facilitating movement of the latch to an unlocked position, said means being movably carried by the latch for movement to a position for releasably retaining the latch in an unlocked position.

1,534,102. HEATED DISCHARGE-OUTLET CASING FOR TANK CARS. CLYDE H. FOLMSBEE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 13, 1922. Serial No. 552,426. 4 Claims. (Cl. 257—207.)



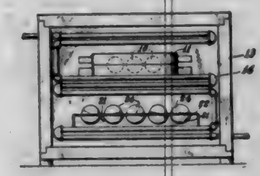
4. A tank discharge outlet casing, a heating coil surrounding said casing and a sectional heat insulating covering engaging the ends of said coil and securing said coil to said casing.

1,534,103. CHIMNEY STOP. BENJAMIN F. FOSS, Portland, Me. Filed June 7, 1924. Serial No. 718,967. 1 Claim. (Cl. 20—0.5.)



A fire stop for the spaces around a chimney and the like, which consists of a sheet of non-inflammable material folded to form a series of horizontal corrugations to fit into said space and having at its top a portion which bends over and covers said corrugations.

1,534,104. GOLF BALL AND METHOD OF MAKING THE SAME. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 26, 1921. Serial No. 472,734. 1 Claim. (Cl. 154—3.)

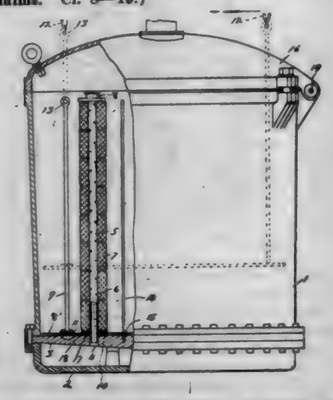


The method of making a golf ball which comprises producing a frozen pellet of normally mobile material, thereafter enclosing said material, while frozen, in an imperforate, vulcanizable-rubber envelope, then vulcanizing said envelope, again freezing said material, and, while it is so frozen, applying additional material to said envelope.

1,534,105. FLUX FOR MAGNESIUM AND ALLOYS THEREOF. JOHN A. GANN, Midland, Mich., assignor to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Aug. 1, 1923. Serial No. 655,143. 8 Claims. (Cl. 148—24.)

6. In a method of preparing a flux for use with molten magnesium and alloys thereof, the steps which consist in intermixing the proportionate amounts of sodium and calcium chlorides, such calcium chloride being in hydrated form, heating until such calcium chloride is dehydrated, adding to the molten mixture a magnesium chloride salt retaining water of crystallization, and heating the resulting mixture until such water is driven off.

1,534,106. DYEING AND BLEACHING MACHINE. WALTER S. GATES, Detroit, Mich., assignor to Insulating Materials Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 21, 1924. Serial No. 708,028. 11 Claims. Cl. 8—19.)



10. In a machine of the class described, the combination with a kier having a true bottom and a false bottom, secured to the true bottom of yarn holders detachably secured to said false bottom, and means in the kier for raising the yarn packages off of said yarn holders to facilitate the removal thereof from the kier.

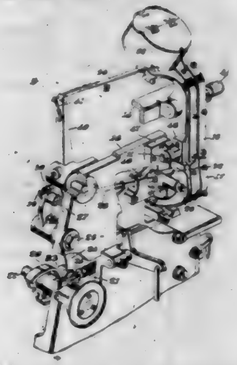
1,534,107. FASTENER-SETTING MACHINE. PERLEY R. GLASS, Wayland, Mass, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 17, 1922. Serial No. 561,667. 16 Claims. (Cl. 218—15.1.)



12. The combination with fastener-inserting mechanism including a high-speed operating shaft, of fastener supplying mechanism comprising a reciprocatory carrier, a raceway and hopper carried by said carrier, a

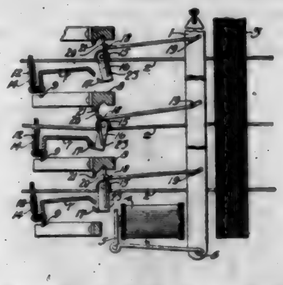
rotary device arranged to feed fasteners from said hopper to said raceway, and transmission means arranged to be operated by said shaft to drive said feeding device and including planetary speed-reducing gearing carried by said carrier.

1,534,108. FASTENER-SETTING MACHINE. PERLEY R. GLASS, Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Sept. 11, 1919, Serial No. 323,164. Divided and this application filed Jan. 22, 1923. Serial No. 614,184. 26 Claims. (Cl. 218—15.1.)



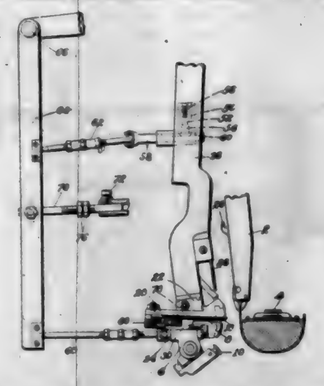
1. The combination with a machine comprising a frame and fastener-setting mechanism, of a detachable unit comprising a raceway the lower part of which is movable relatively to the upper part, means for fastening said upper part to said frame, said means having provision for adjusting the delivery end of the raceway to cooperate with said setting mechanism, and mechanism for operating said delivery end to present fasteners successively to the setting mechanism.

1,534,109. AUTOMATIC TELEPHONE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 12, 1922. Serial No. 574,387. 5 Claims. (Cl. 179—27.5.)



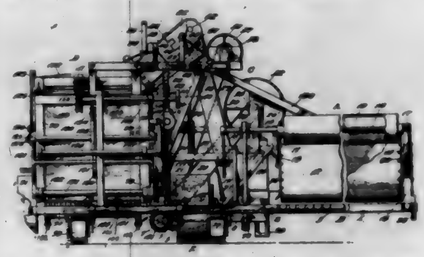
1. In a switching mechanism, sets of active contacts, a pivotal element associated with said sets of contacts, a pair of operating bars, a latching member loosely connected to said pivotal element and to one of said operating bars, means of operating said operating bar to move said pivotal member into operative relation with the other of said operating bars, and other means operable to move the second of said operating bars thereby effecting an additional movement in said pivotal member to interconnect said contact sets.

1,534,110. MACHINE FOR WORKING UPPERS OVER LASTS. JOSEPH GOULDBOURN, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 7, 1923. Serial No. 617,603. 22 Claims. (Cl. 12—4.)



1. In a machine of the class described, the combination with means for operating on a shoe movable inwardly over the bottom of the shoe against resistance of the shoe materials, of mechanism for imparting inward movement to said operating means including a member yieldable in response to resistance to such inward movement, a device for preventing said member from yielding to cause it to act positively to impart inward movement to said operating means, and a cam controlled by the shoe for operating said device to release the member at a point in the inward movement of said operating means determined by the shoe.

1,534,111. HARVESTER AND STACKER. DAVID M. GRAHAM, Bordulac, N. Dak. Filed May 10, 1917. Serial No. 167,726. 27 Claims. (Cl. 56—1.)

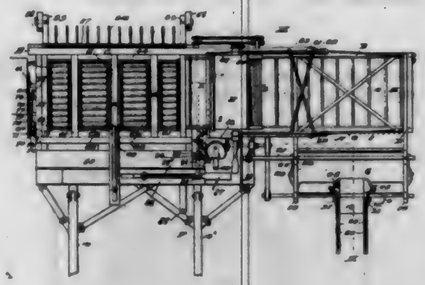


1. In a harvesting machine, the combination of cutting apparatus, an endless apron for receiving and conveying the cut grain immediately from the cutting apparatus, and a pneumatic grain elevator having an air trunk elongated along said apron to which said grain is delivered by the apron.

1,534,112. APPARATUS FOR CUTTING AND STACKING GRAIN. DAVID M. GRAHAM, Bordulac, N. Dak., assignor to Graham-Roach Harvester and Stacker Company of North Dakota. Filed Apr. 6, 1918. Serial No. 227,072. 20 Claims. (Cl. 56—1.)

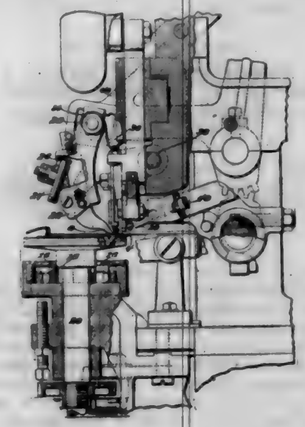
1. A stack former having an elongated body for the formation of a stack of grain which is elongated in one horizontal direction and relatively narrow in the other horizontal direction, combined with means for forming ventilating air space openings through the stack in the direction of its narrower dimension.

20. The method of curing grain and the like by producing a stack, the base of which is horizontally elongated in one direction and relatively narrow in the transverse



direction and forming ventilating air spaces at different heights in said stack and extending parallel with the narrower dimension of the stack, for the purpose described.

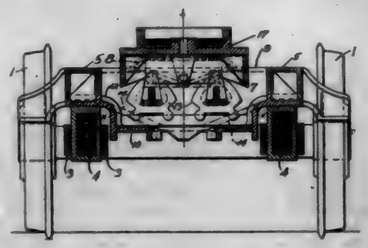
1,534,113. INSOLE-REENFORCING MACHINE. JOHN B. HADAWAY, Swampscott, and THOMAS H. SEELY, Malden, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 1, 1919. Serial No. 314,688, 22 Claims. (Cl. 12—20.)



4. An insole reenforcing machine having, in combination, means for forming a bead about the insole lip, including a reciprocating inside former, a transversely movable outside former, and means for actuating the formers to press the top of the reenforced lip between them and for thereafter actuating the outside former to bend the lip inward and apply pressure at its base while the inside former is reciprocated.

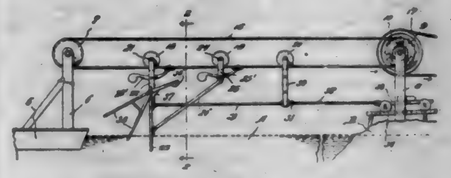
1,534,114. RAILWAY TRUCK. EINAR G. HALLQUIST, Edwardsville, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of Missouri. Filed Aug. 26, 1924. Serial No. 734,197. 17 Claims. (Cl. 105—189.)

4. In a railway truck transom having a vertically disposed body wall, a load carrying flange on one side of said wall disposed independently of the line of strain in the transom produced by the load, and a reinforcing



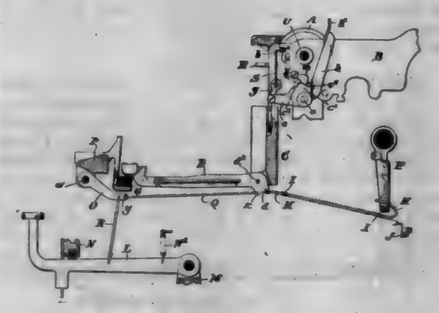
flange on the other side of said wall disposed along said line of strain.

1,534,115. WAVE MOTOR. FRED HARKORT, Monterey, Calif. Filed Oct. 17, 1924. Serial No. 744,210. 8 Claims. (Cl. 258—14.)



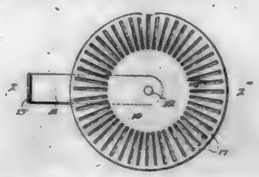
1. In a wave motor of the character described, an endless belt trained over spaced pulleys anchored above the shore line and water surface respectively, a wave engaging blade operatively connected to the belt and adapted to actuate the same when engaged by the waves, means upon the shore for automatically returning the blade and belt to initial position, and means whereby machinery may be operated by the actuation of said belt.

1,534,116. TYPEWRITING MACHINE. EDWARD B. HESS, Manhattan Beach, N. Y., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed June 22 1922. Serial No. 570,176. 9 Claims. (Cl. 197—144.)



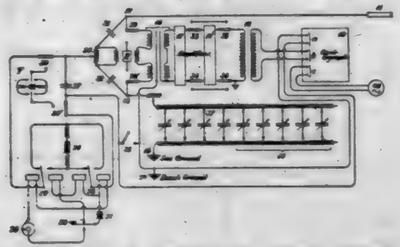
1. In a typewriting machine, the combination with a main cylindrical platen, of an auxiliary platen of relatively hard material, means for moving said auxiliary platen from active to inactive position in the line of print, and means for causing this movement to be tangential to the main platen.

1,534,117. ATTACHMENT FOR CHECK-CONTROLLED APPARATUS. HUGO E. HEYNE, Chicago, Ill. Filed May 21, 1924. Serial No. 714,983. 2 Claims. (Cl. 235—1.)



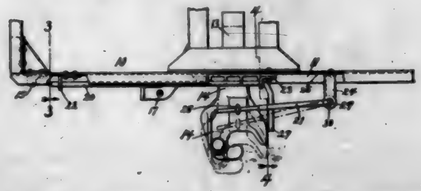
1. A device of the class described comprising a member having a series of coin slots, means in association with each slot for indicating the insertion of a coin therethrough, and means adapted to support said member over the inlet opening of a coin receptacle, said supporting means permitting the member to be moved to bring said slots successively into registry with said opening.

1,534,118. METHOD OF ADJUSTING BALANCE BETWEEN ELECTRICAL CONDUCTORS OR NETWORKS. HARRY W. HITCHCOCK, Berkeley, Calif., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 16, 1922. Serial No. 607,422. 10 Claims. (Cl. 178—63.)



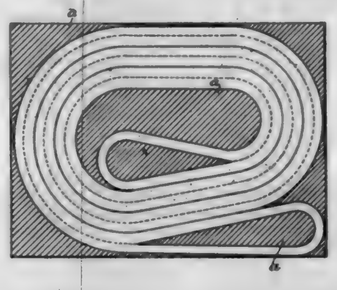
1. The method of adjusting the balance between a signaling conductor and its artificial line, which consists in making definite impedance modifications of various types at various places along said line and in each instance applying a single standard impulse of electromotive force to said conductor and line in parallel and recording the resulting unbalance current between said conductor and line in series, then observing the normal unbalance current with the same impulse of electromotive force, but without any such impedance modification on the artificial line, and then modifying the artificial line in accordance with those records into which the normal unbalance current may be analyzed, so as to eliminate such normal unbalance.

1,534,119. UNCOUPLING DEVICE. OSCAR HOCHBERG, New York, N. Y., and JOHN W. STEINMEYER, East Orange, N. J., assignors to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Mar. 8, 1921. Serial No. 450,770. 2 Claims. (Cl. 213—163.)



1. In an uncoupling mechanism for cars having a coupler and a relatively low platform, an operating member mounted for operation on one side of the coupler, a pin lifting lever fulcrumed on the opposite side of said coupler and adapted for engagement with the operating member, said operating and pin lifting members extending with their adjacent ends past each other above said coupler and below the floor line of the car.

1,534,120. ENDLESS BELT. WILLIAM HOWARTH, Rochdale, England. Filed Dec. 22, 1922. Serial No. 608,516. 2 Claims. (Cl. 74—62.)



1. The method of forming an endless belt, which consists in cutting the material from which the belt is to be made to form a compact coil, said coil being twice the desired width of the belt and merging at its opposite ends into loops, the width of the material of the loops being that of the desired width of the belt, and cutting along the center line of the coil from loop to loop.

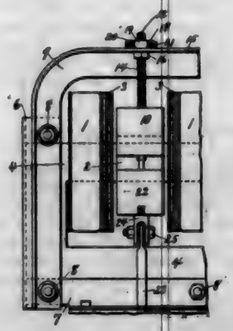
1,534,121. WOOD STEAMER. WILLIAM D. INGLIS, Richford, Vt. Filed July 3, 1923. Serial No. 649,277. 1 Claim. (Cl. 144—271.)



A plant for steaming logs comprising a vat having a horizontal intermediate portion, and inclined end portions which form the bottom of the vat, chains trained longitudinally around the bottom of the vat, rails extending the full length of the bottom of the vat and mounted thereon, perforated pipe sections disposed between the rails and lying below the plane in which the upper surfaces of the rails lie, a hood spaced from the vat, said hood having an intermediate portion which lies parallel with the intermediate portion of the bottom of the vat, and inclined end portions which are disposed parallel with the corresponding end portions of the bottom of the vat, chains trained around the hood, cross chains connecting the chains around the hood with the chains around the vat, and closures for bridging the space between the ends of the hood and the corresponding ends of the vat.

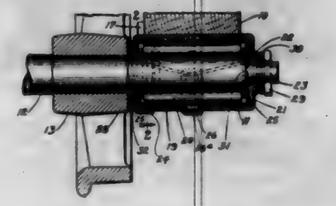
1,534,122. ELECTRIC RIVET HEATER. WILLIAM S. JOHNSON and JOHN W. SHEFFER, Berwick, Pa., assignors to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Feb. 28, 1921. Serial No. 448,313. 6 Claims. (Cl. 219—13.)

1. An electric rivet heater having a secondary coil, a normally fixed upper electrode on said coil, a support for said electrode, threaded means connecting said electrode and said support and means on said threaded means and engaging on opposite sides of said support



adapted to adjust the position of said electrode with respect to said support and to lock said electrode in fixed position.

1,534,123. ROLLER-BEARING JOURNAL BOX. WARREN V. JOHNSON, Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 5, 1922. Serial No. 527,106. 4 Claims. (Cl. 64—39.)



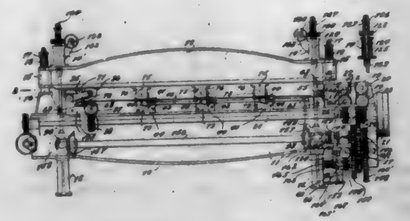
1. A journal box comprising a housing and attaching frame-work extending to opposite sides of said housing and providing a car body engaging face, removable and fixed wall portions covering respectively the inner and outer ends of said housing, and box alining flanges on opposite sides of said housing and in the plane of said removable wall member.

1,534,124. PAD HOLDER. JOHN B. KEMP, Ridgewood, N. J. Filed Feb. 26, 1924. Serial No. 695,217. 9 Claims. (Cl. 129—13.)



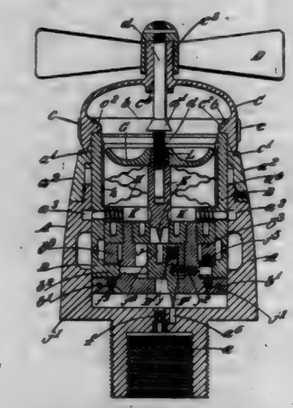
9. In a device of the character described, in combination, a group of superposed members and a plurality of interlocking members adjacent one edge thereof for maintaining said group of superposed members in superposed relation and angularly with reference to a supporting surface.

1,534,125. BOX-BLANK-FORMING MACHINE. JAMES B. LADD, Ardmore, Pa., assignor to M. D. Knowlton Company, Rochester, N. Y., a Corporation of New York. Filed July 19, 1923. Serial No. 652,530. 33 Claims. (Cl. 93—54.)



1. In a machine of the class described, the combination with a reciprocating head, of means carried by the head for creasing a blank, means carried by the head for cutting the blank adjacent the crease, and means for shifting the creasing and cutting means alternately into and out of operative position.

1,534,126. FUSE FOR BOMBS AND OTHER MISSILES ADAPTED TO BE DROPPED FROM AIRCRAFT. OWEN DAVID LUCAS and FREDERICK GEOFFREY LEES JOHNSON, Westminster, London, England, assignors to Vickers Limited, Westminster, England, a British Company. Filed Jan. 2, 1925. Serial No. 24. 13 Claims. (Cl. 102—39.)

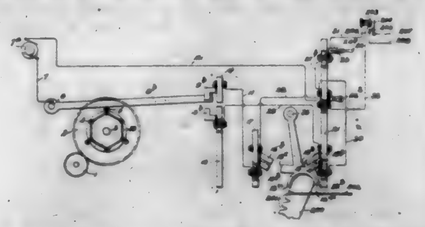


7. In a fuse for an explosive missile for aircraft, adapted to operate selectively according to whether the missile strikes a solid body or the surface of water, instantaneous firing mechanism and time set firing mechanism, means for firing alternatively through one or other of the said mechanisms, a timing ring for the time set firing mechanism, a fluid pressure operated piston within the said timing ring and a striker for the time set firing mechanism associated with the said piston.

1,534,127. HARNESS STOP AND SIGNAL DEVICE FOR LOOMS. SEBASTIANO MAGNANO, Lawrence, Mass., assignor to Magnano Corporation, Essex, Mass., a Corporation of Massachusetts. Filed June 15, 1923. Serial No. 645,539. 12 Claims. (Cl. 139—337.)

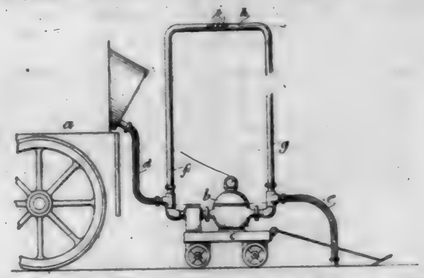
1. A mechanism for use with a loom having a plurality of harnesses and a stop motion, and comprising

a signal device corresponding to each of said harnesses, and means automatically operative upon failure of a



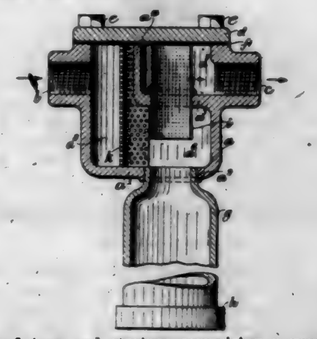
harness properly to function for actuating said stop motion and for energizing the corresponding signal device.

1,534,128. APPARATUS FOR MEASURING LIQUIDS. WILLIAM L. MARDEN, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 9, 1923. Serial No. 611,572. 1 Claim. (Cl. 137—78.)



An apparatus for measuring liquid in its flow from one point to another comprising in combination a source of liquid supply, a meter, a truck on which the meter is mounted, a pipe connection from the source of supply to the meter, a discharge pipe from the meter, stand pipes connected respectively to said pipe connection and said discharge pipe in proximity to the meter to permit the free discharge of air from said pipe connection and the free admission of air to said discharge pipe, and a perforated pipe connecting said stand pipes.

1,534,129. SAND TRAP AND STRAINER. WILLIAM L. MARDEN, New York, N. Y., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Filed June 13, 1923. Serial No. 645,212. 1 Claim. (Cl. 210—165.)

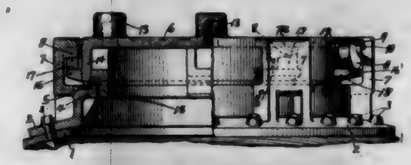


A sand trap and strainer comprising a vessel having an inlet and an outlet, an open top with a removable cap and a discharge opening in its bottom, a transverse and vertical partition forming a chamber within the main vessel, a finely foraminous, substantially cylindrical strainer supported in the transverse partitioon and having its lower end open and its upper end in contact with the removable cap and a coarsely foraminous partition interposed in the main vessel between the inlet and the finely foraminous strainer and bearing at its lower end against the bottom of the main vessel, at its vertical edges against the sides of the main vessel, and at its upper edge against the removable cap.

1,534,130. PROCESS OF RECOVERING ALUMINUM CHLORIDE. ALMER MCDUFFIE MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Jan. 26, 1922. Serial No. 531,949. 4 Claims. (Cl. 23—96.)

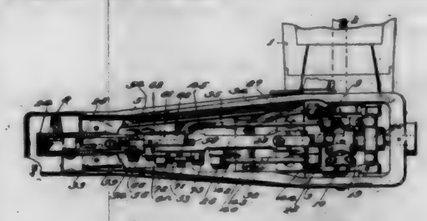
1. The process of recovering aluminum chloride from spent residues containing the same which comprises boiling the said residues in a body of oil, cooling the evolved vapors to condense therefrom aluminum chloride high boiling oil, separating the aluminum chloride from the condensed oils and removing the separated aluminum chloride from the system.

1,534,131. TANK-CAR-DOME CLOSURE. JOHN J. MCBRIDE, Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 29, 1921. Serial No. 511,460. 9 Claims. (Cl. 220—55.)



9. A manhole closure comprising a cover adapted to be rotated to a closed position and means operating automatically upon rotation of said cover towards closed position to prevent rotation of said cover away from closed position.

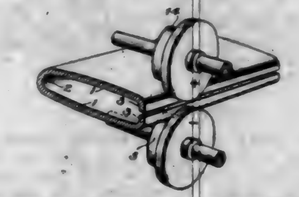
1,534,132. DIFFERENTIAL FEEDING MECHANISM. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1921. Serial No. 508,931. 9 Claims. (Cl. 112—208.)



1. The combination with a vertically extending frame member, a work supporting arm at the upper end thereof projecting laterally therefrom, an operating shaft extending into said frame member, a main feed dog, a main feed bar extending lengthwise of the work supporting arm and terminating adjacent said frame member, means for moving said feed bar back and forth including a lever pivoted to the work supporting arm along side of said main feed bar and extending into the vertically extending frame member, devices actuated

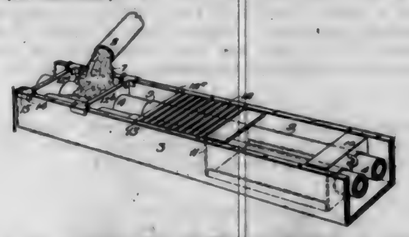
by the operating shaft for oscillating said lever, a link connected with the lever at a point intermediate the ends of the main feed bar and extending rearwardly and pivotally connected to the rear end of the main feed bar, and means for raising and lowering said main feed bar.

1,534,133. WELDING. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Aug. 22, 1922. Serial No. 583,522. 7 Claims. (Cl. 219—6.)



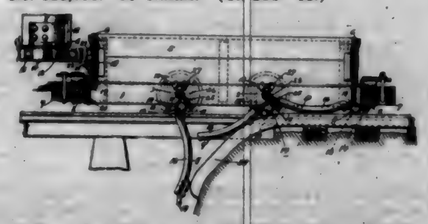
1. The herein described method of electrically welding the ends of a single piece of metal which consists in bending it to a hollow comparatively flat shape with meeting edges at an end of the longer dimensions of its cross-section and with flat portions of substantial width adjacent to such edges approximately at right angles to the longer dimensions and butt welding such edges to each other by pressing them together by means of electrodes in line with such edges and passing a current between said electrodes and across the joint.

1,534,134. APPARATUS FOR MOLDING HOLLOW ARTICLES. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Sept. 13, 1924. Serial No. 737,472. 6 Claims. (Cl. 25—121.)



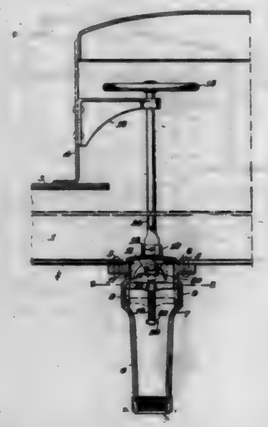
1. An apparatus for molding a plurality of hollow articles comprising a mold box, partitions therein, and a core passing through the several partitions so that the same core serves in the several compartments to mold the duct in the several blocks, in combination with a shield carrying a tube surrounding said core and passing through said partitions.

1,534,135. SELF-DUMPING MINE CAR. RALPH G. NICHOLS, Richmond Hill, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 30, 1921. Serial No. 518,891. 13 Claims. (Cl. 214—63.)



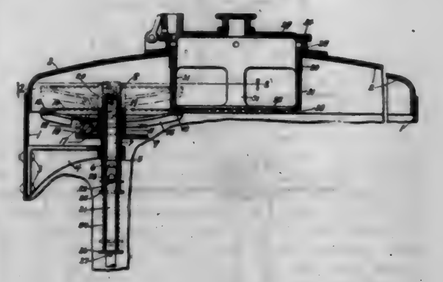
1. In a dumping car, a plurality of dumping doors and a locking means for one of said doors mounted independently of said doors and controlled by the other of said doors.

1,534,136. VALVE FOR TANK CARS. ALLEN E. OSTRANDER, Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 17, 1920. Serial No. 381,946. 16 Claims. (Cl. 137—21.)



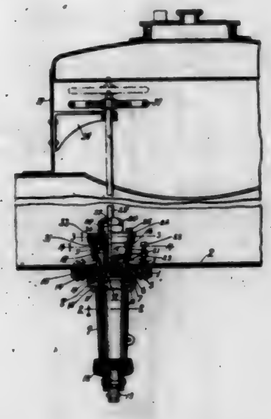
8. In a tank car discharge valve, a discharge outlet casing having a valve seat, a valve for said seat operating means adapted to rotate said valve on said seat and means in said outlet opening adapted to raise said valve from its seat upon a predetermined degree of rotation of said valve on said seat.

1,534,137. TANK-CAR VALVE-OPERATING MECHANISM. ALLEN E. OSTRANDER, Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo., a Corporation of New Jersey. Filed Feb. 10, 1921. Serial No. 446,294. 23 Claims. (Cl. 137—21.)



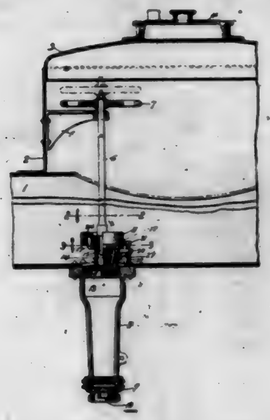
13. In a tank car, a longitudinally movable valve operating mechanism, rotatable means to operate said valve operating means and a manhole cover adapted to operate said rotatable means to seat the valve during the seating of the cover, said valve operating means being adapted to hold said valve to its seat upon the removal of said cover.

1,534,138. DISCHARGE-VALVE MECHANISM. ALLEN E. OSTRANDER, Bronxville, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed May 1, 1922. Serial No. 557,712. 9 Claims. (Cl. 137—21.)



1. In a tank discharge valve, a member having a discharge opening and adapted to be secured to a tank sheet, a discharge outlet casing detachably connected to said member and a valve cage carried by said member.

1,534,139. DISCHARGE-VALVE MECHANISM. ALLEN E. OSTRANDER, Bronxville, N. Y., assignor to American Car and Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed June 2, 1922. Serial No. 565,484. 17 Claims. (Cl. 137—21.)



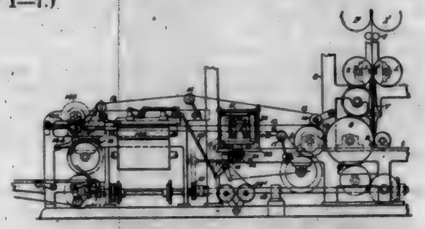
15. In a tank discharge valve mechanism, a discharge outlet for said tank, a valve cage mounted in said discharge outlet and lying within said tank and means within said tank securing said cage against rotation.

1,534,140. CUFF LINK. VICTOR BEAM ROGERS, Buffalo, N. Y. Filed Jan. 7, 1925. Serial No. 958. 6 Claims. (Cl. 24—102.)



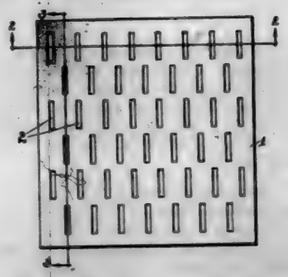
1. A cuff link, including a shank, a conical helical spring on the shank and a hollow dome like button member housing the spring whereby the latter is universally connected to the shank.

1,534,141. STAPLING MECHANISM. OSCAR ROSEN, Brooklyn, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Apr. 14, 1920. Serial No. 373,687. 30 Claims. (Cl. 1—7.)



1. The combination of means for forwarding a product, a stapling mechanism, and means for actuating the stapling mechanism to insert a line of staples in the product on the fold line either transversely or longitudinally of the run of the product.

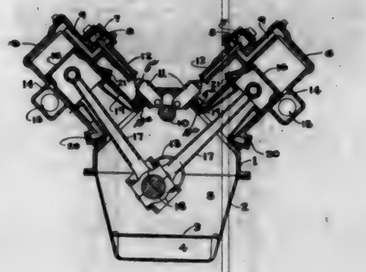
1,534,142. KEYED INSULATING BOARD. CHARLES A. ROLFS, St. Paul, Minn. Filed Aug. 17, 1921. Serial No. 493,154. 2 Claims. (Cl. 72—116.)



1. In an insulating board the combination of a face board of firm texture and considerable thickness having a definite mechanical strength and a backboard of loose texture and considerable thickness joined thereto having lesser strength but having high insulating properties, the two boards forming the completed composite board being of comparatively equal thickness.

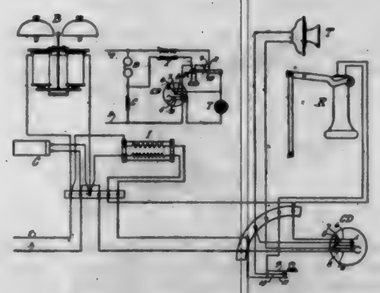
1,534,143. STEAM ENGINE. LEWIS L. SCOTT, St. Louis, Mo. Filed Mar. 27, 1922. Serial No. 547,104. 3 Claims. (Cl. 121—1.)

3. In a single acting reciprocating engine, a crankcase, a cylinder having flanged lower end attached to said crankcase, a piston operating in said cylinder, a drain located at the lower end of said cylinder for conducting off any fluid that might pass down the cylinder wall, a stationary sleeve adapted to closely fit the inside



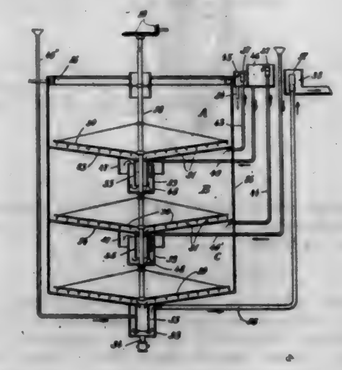
diameter of said piston for preventing said fluid from passing into the crankcase of said engine, said sleeve being flanged at its lower end and attached to crankcase.

1,534,144. AUTOMATIC SUBSTATION TELEPHONE CIRCUIT. ARTHUR BESSEY SMITH, Evanston, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1922. Serial No. 566,563. 2 Claims. (Cl. 179—81.)



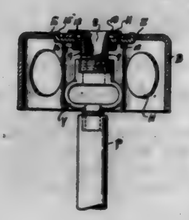
1. In a substation telephone circuit, two line conductors, a bell and a condenser bridged permanently across said conductors, an induction coil having two windings, one of said windings being in series with one of said line conductors, a calling device having control contacts, a transmitter, said control contacts and said transmitter being connected in series in the other of said line conductors, a receiver, a third conductor connected at one end to a point between said bell and said condenser, the other winding of said induction coil and said receiver connected in series in the order named in said third conductor, three switch hook contacts at each of which a different one of said conductors terminates, said contacts adapted to close together when said receiver is lifted, and three shunt contacts on said calling device adapted to close together when said device is off normal, one of said shunt contacts connected to one side of said transmitter, the second shunt contact permanently connected to the other side of said transmitter, and the third shunt contact connected between said receiver and said other winding.

1,534,145. TREATMENT OF PULPS. WILLIAM ARMOR STEDMAN, Westport, Conn., assignor to The Dorr Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 22, 1921. Serial No. 524,127. 17 Claims. (Cl. 23—270.)



1. The improvement in the method of treating pulps which comprises hydraulically regulating the discharge of thickened material from a body of pulp undergoing sedimentation in response to the rate of accumulation of solids therein.

1,534,146. FIXTURE STUD. GEORGE C. THOMAS, JR., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed June 30, 1924. Serial No. 723,091. 17 Claims. (Cl. 240—85.)

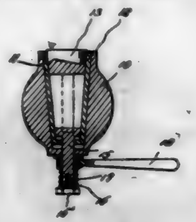


1. In combination, an electrical fixture box having openings therein, a fixture supporting shank, an elliptical flange formed on one end of the shank and adapted to be passed through the standard size opening of the box and overlap said opening thus disposing the other end of the shank concentrically in the box opening, said flange resting directly on the outside box wall, means embracing a shank and engaging the box serving to lock the shank and box against relative motion, and means clamping the embracing means in operative position.

1,534,147. AIR-BRAKE-PIPE CONNECTION. HENRY A. VEAL, Douglas, Ga. Filed Dec. 5, 1923. Serial No. 678,701. 3 Claims. (Cl. 303—88.)

1. A by-pass for installation in an air brake pipe line between the air supply pipe and the triple valve, said by-pass comprising a single unit including a pair of

spaced strainers connected together by a valved conduit, said conduit including a substantially J-shaped inverted branch, connected with the top of the upper strainer



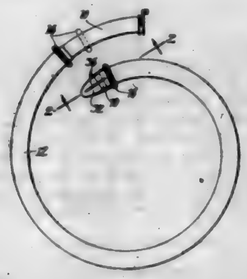
and having the horisontal portion thereof disposed on a plane above the strainer to prevent passage of water through the by-pass.

1,534,148. **SOUND-TRANSLATING APPARATUS.** HANS VOGT, Berlin-Schoneberg, and JOSEF ENGL and JOSEPH MASSOLLE, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Filed Apr. 4, 1921. Serial No. 458,632. 15 Claims. (Cl. 179—121.)



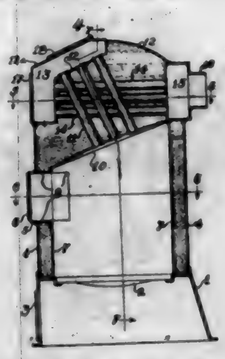
1. Sound translating apparatus, comprising the combination of a circuit including an anode and cathode adjacent thereto with a gas discharge path between them and a source of potential, ionising means for said path separate from said source, and means for causing sound waves to be directed through the air upon said discharge path to modify the electrical conditions in said path.

1,534,149. **BRACELET SPRING CLAMP FOR TUBE CORES AND METHOD OF MANUFACTURING TUBES.** HARRY WILLSHAW, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,614. 15 Claims. (Cl. 18—43.)



3. In combination with a core used for the vulcanization of rubber tubes, a circular tension spring for beveling or skiving the tube on said core.

1,534,150. **HOT-WATER BOILER.** CHARLES GALE ADAMS, Joliet, Ill. Filed Oct. 2, 1922. Serial No. 591,714. 2 Claims. (Cl. 122—49.)



1. In a water heating boiler, a cylindrical outer steel shell, an inner steel shell coaxial therewith forming a water jacketed fire box, a crown sheet over said inner shell, a smoke box at the front and top of the outer shell, a plurality of substantially vertical flues leading from said crown sheet into the upper portion of said smoke box, a second smoke box and chimney connection near the top and rear of said outer shell, and horizontal flues leading from the lower portion of said first mentioned smoke box to said second smoke box.

1,534,151. **AUTOMOBILE MAP HOLDER.** EUGENE K. BAHALER, Tyngsboro, Mass. Filed Mar. 17, 1924. Serial No. 699,936. 3 Claims. (Cl. 35—6.)

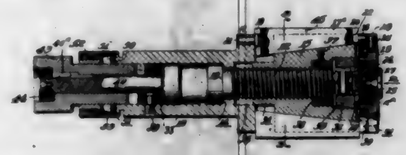


1. A combined road map case and holder comprising a sheet metal body including a rear wall, a forwardly extending bottom wall, forwardly extending side walls, guides formed on the side walls, dividing the body into a map receiving compartment and a road book receiving compartment, a hinged cover carried by the bottom wall adapted to swing in parallel relation to the body for supporting a map when the same is to be viewed, a resilient catch carried by the upper edge of the cover to engage with the body, and means for detachably connecting the case with the instrument board of an automobile.

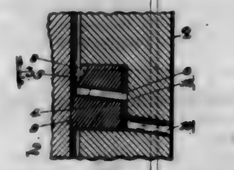
1,534,152. **ADJUSTABLE INTERNAL GAUGE.** JOHN BATH and ROBERT H. C. GRUNEWALD, Worcester, Mass., assignors to John Bath & Co. Inc., a Corporation of Massachusetts. Filed Oct. 27, 1919. Serial No. 333,651. 11 Claims. (Cl. 33—178.)

1. An adjustable internal gauge comprising a body, a threaded rod rotatable therein but held from axial movement relative thereto, a plurality of gauge bars having faces inclined to the longitudinal axis of said rod, an adjusting member threaded on said rod and slidably supporting said bars, said member having inclined faces cooperating with the inclined faces of said gauge bars to adjust them radially when said member is moved axially of said rod and longitudinally of said gauge bars,

a sleeve fixed in said body, and a second sleeve mounted on said rod and axially movable thereon but held from angular movement relatively thereto, said sleeves having cooperating portions which, when brought into engagement by axial movement of one of said sleeves, prevent angular movement of said rod relative to said body.

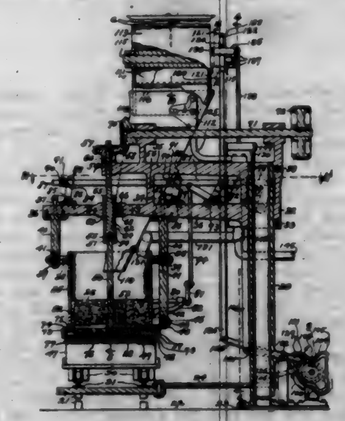


1,534,153. **PISTON RING.** LIONEL D. BAX, Denver, Colo. Filed June 9, 1924. Serial No. 718,866. 3 Claims. (Cl. 74—109.)



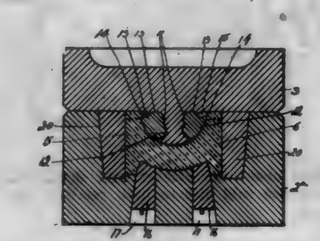
3. As a new article of manufacture, a piston ring having an upper face, a bevel at the outer edge of said face, and apertures slanting downwardly from the lower portion of the bevel to the inner circumferential surface of the ring.

1,534,154. **APPARATUS FOR MAKING BUILDING BLOCKS AND THE LIKE.** OTTO E. BORNHAUSER and JOHN E. HERMAN, Sandusky, Ohio. Filed Oct. 12, 1923. Serial No. 668,102. 31 Claims. (Cl. 25—41.)



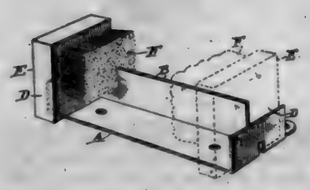
1. In apparatus for making cementitious building blocks and the like, the combination, with a substantially horizontally movable mold having its material-receiving chamber extending to the top of the mold, a hopper for supplying wet or moist cementitious material to said chamber, said hopper being arranged over and movable from and toward the path of said mold and having an outlet arranged to discharge into said chamber when the mold is in its material-receiving position, and a valve controlling communication through said outlet, of an actuating member movable intermittently and in opposite directions alternately, means for operating said actuating member, and means whereby the aforesaid hopper is actuated into its upper position during movement of said actuating member into its extreme position in one direction, said hopper being free to descend by gravity and adapted to seat on said mold during movement of said actuating member from said extreme position into its extreme position in the opposite direction.

1,534,155. **MOLD FOR POTTERY WORK.** WILLIAM BERNARD BUTLER, Trenton, N. J. Filed Feb. 9, 1924. Serial No. 691,589. 3 Claims. (Cl. 25—129.)



2. A mold for producing articles from highly shrinkable material, consisting of a base, a body, a face and a top section, so assembled as to be readily disassembled, an insert removably set in the base for forming a portion of the base of the article to be molded, two inserts removably set in the body for giving contour to the back of said article, an offset carried by the face section, two spline plugs removably fitted to said offset, said plugs and offset constituting that portion of the mold for forming the undercut inside of said article and an insert forming a portion of said offset.

1,534,156. **SHOE CLEANER.** WARD G. CALLENDER, Mansfield, Ohio. Filed June 23, 1922. Serial No. 570,524. 1 Claim. (Cl. 15—112.)

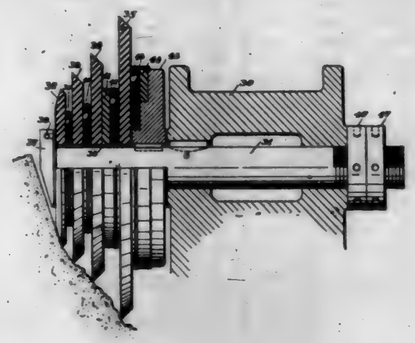


As a new article of manufacture, a shoe cleaner consisting of a flat attaching base, a vertical sole scraping blade struck up from said base at a right angle thereto, and a pair of walls extending upward from the ends of the base and arranged to form in connection with the ends of said scraping blade a pair of brush holders at the ends of said scraping blade, all formed from a single blank sheet of sheet-metal bent to the desired shape.

1,534,157. **GRANITE-WORKING MACHINE.** ELROY A. CHASE, Northfield, Vt. Filed Feb. 11, 1921. Serial No. 444,221. 10 Claims. (Cl. 125—37.)

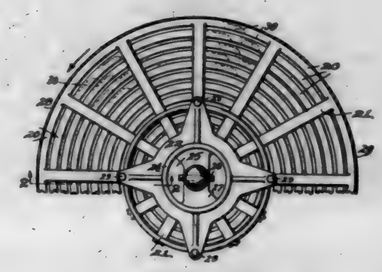
1. A granite working tool comprising a shaft, a plurality of work-engaging discs centered on said shaft and

slidable axially thereon toward and from each other and each freely and independently rotatable in substantially



radial planes about the axis of said shaft, and thrust bearings between said disc to limit relative axial movement thereof.

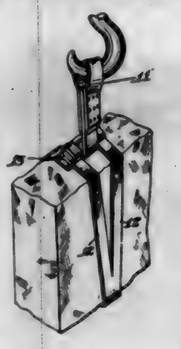
1,534,158. WHEEL FOR DRESSING STONE. ELROY A. CHASE, Northfield, Vt. Filed Jan. 17, 1923. Serial No. 613,263. 4 Claims. (Cl. 51—209.)



1. A wheel for dressing stone having, in combination, a rotatable supporting structure and a plurality of work engaging members disposed in an outwardly extended series of curved paths on the lower face of said supporting structure, said members providing a composite working face for said wheel and having a plurality of recesses formed in their work engaging faces, said recesses extending entirely through said members from edge to edge radially of the wheel, and having the outer portion of the rear wall of each recess projected forwardly in the direction of rotation of the wheel to a point in advance of the inner portion of the front wall of said recess.

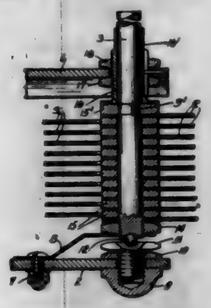
1,534,159. SLING FOR HANDLING STONE. ELROY ALBERT CHASE, Northfield, Vt. Filed Aug. 29, 1924. Serial No. 734,961. 5 Claims. (Cl. 294—74.)

1. As an article of manufacture, a sling for use in handling and turning stone comprising a wide belt of material with a soft surface having a loop end and adapted to be placed around the stone, said belt being slit longitudinally at the other end to provide two integral diverging ends, and a bar arranged crosswise and fixed



to said ends, the ends being separated enough to permit the loop end of the sling to pass under the bar through the space between them for the purpose described.

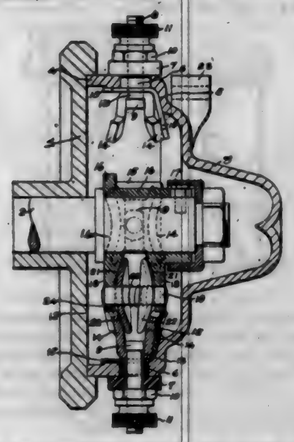
1,534,160. CONDENSER. SAMUEL COHEN, Brooklyn, N. Y. Filed Feb. 17, 1925. Serial No. 9,754. 2 Claims. (Cl. 250—41.)



1. In a condenser, the combination of end plates having aligned openings, a ball bearing member having a threaded shank extending through one of said openings, nuts threaded upon the said shank and located upon opposite sides of the adjacent end plate and adapted to hold the said ball-bearing member in position, a hollow and externally threaded locking member passing through the opening in the other end plate, nuts mounted upon the externally threaded shank of said locking member and located upon opposite sides of the adjacent end plate and adapted to hold the said locking member in position, means adapted to prevent the revolution of the said locking member, a spindle passing through the said hollow locking member and having its inner end adapted to hold a ball in co-operation with the said ball bearing member, the end of said spindle adjacent the said ball having a lock nut, a series of rotor plates having intermediate spacing members mounted upon [illegible] said spindle intermediate the lock nut and the adjacent end of the said locking member, the said rotor plates being adapted to be firmly held in spaced relationship between the said locking member and the said lock nut.

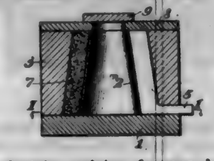
1,534,161. TIMING SYNCHRONIZER. HARRY B. COLSTOCK, Plymouth, Ind. Filed Mar. 9, 1921. Serial No. 450,939. 8 Claims. (Cl. 200—24.)

1. In timing mechanisms, a plurality of stationary duplex tracks, a pair of rollable disks, means for successively moving said disks past the tracks and in engagement therewith, a common support for the disks on which



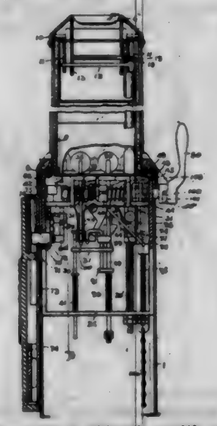
they have free movement, and elastic means placed between them to press the disks outwardly independent of each other.

1,534,162. ELECTRIC FURNACE. OSWALD CORADI, Zurich, Switzerland. Filed Jan. 10, 1923. Serial No. 611,803. 8 Claims. (Cl. 204—64.)



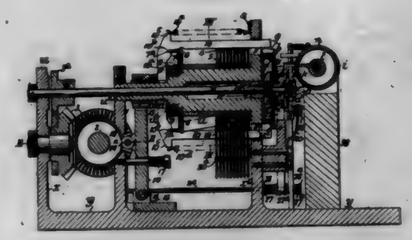
6. In an electric resistor furnace having a furnace chamber; a resistor of loose material surrounding the chamber, and electrodes contacting with the resistor, the cross-section of the resistor varying uniformly to produce a uniform resistance in substantially all horizontal layers.

1,534,168. FARE BOX. WILLIAM COX, Toronto, Ontario, Canada. Filed Apr. 5, 1923. Serial No. 630,074. 24 Claims. (Cl. 232—7.)



1. In a farebox, the combination with a rigid support, of means for locking the box to said support, a fare inspection chamber provided with a fare opening and means connected with the locking means adapted to close the opening to said fare inspection chamber on the unlocking of the box from its support.

1,534,164. PRINTING APPARATUS SUITABLE FOR PRINTING TELEGRAPHIC MESSAGES. FREDERICK GEORGE CREED, Croydon, England. Filed Aug. 7, 1920. Serial No. 401,991. 12 Claims. (Cl. 178—34.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



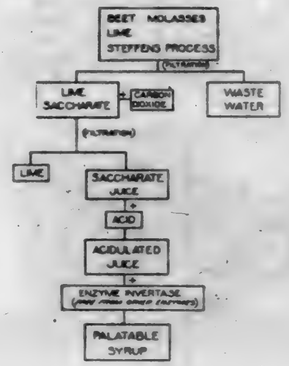
1. Printing apparatus of the kind herein referred to, comprising a main driving shaft, a secondary driving shaft driven from said main shaft but at a greater velocity than that of said main shaft, a printing device in frictional driving connection with said secondary shaft and provided with type characters, type selecting mechanism comprising a series of differentially notched combs and a series of selector bars adapted to co-operate therewith, each of said selector bars being adapted, when moved into its operative position, under the control of said combs, to arrest the said printing device in proper printing position without stopping the secondary shaft, means for setting said combs in accordance with the particular type character to be printed, or a space to be left on sheet material, signal controlled mechanism actuated at each rotation of the main shaft adapted to operate the comb setting means in accordance with the particular signal character to be printed, or a space to be left, means adapted to be quickly operated at each rotation of the main shaft to cause a printing character that may be in position, rapidly to make an impression on said sheet material and means actuated at each rotation of the main shaft for causing the selector bar quickly to return to its inoperative position and allow displaced combs to return towards their normal position after each printing operation.

1,534,165. ROOFING. DONALD A. CUMPER, Chicago, Ill. Filed Feb. 7, 1921. Serial No. 443,016. 3 Claims. (Cl. 108—7.)



1. A shingle strip having a plurality of shingle-like sections covered on both sides with a divided mineral, and having visible indications on both sides in the same respective transverse planes dividing the strip into sections, said indications extending from each longitudinal edge toward the transverse center of the strip.

1,534,166. PALATABLE BEET SIRUP AND PROCESS OF PREPARING THE SAME. HENRY W. DAHLBERG, Denver, Colo., assignor to The Great Western Sugar Company, Denver, Colo., a Corporation of New Jersey. Filed Feb. 29, 1924. Serial No. 696,005. 20 Claims. (Cl. 127—35.)

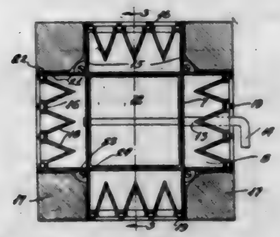


19. The process of rendering palatable the unpalatable beet sirups formed during the process of beet sugar manufacture, which process includes the treatment of the unpalatable liquids to be changed and remaining after the cold dilute treatment of beet sugar solutions with lime by adding commercial invertase, and thus rendering the liquid palatable.

1,534,167. COMPOSITION FOR CLEANING PIPES. HENRY M. DEAVITT, Chicago, Ill., assignor to Central City Chemical Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1922. Serial No. 552,662. 2 Claims. (Cl. 87—5.)

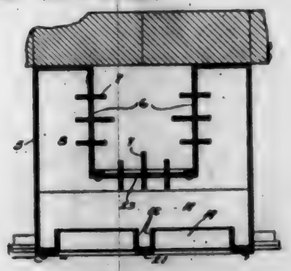
1. A pipe cleaning mixture comprising ten parts by weight of caustic soda, four parts by weight of caustic potash, and one part by weight of silicon.

1,534,168. HEAT-RADIATING DEVICE. JOSEPH L. DONAT, Chicago, Ill. Filed Mar. 3, 1923. Serial No. 622,667. 2 Claims. (Cl. 257—165.)



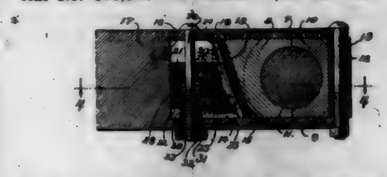
2. A heat radiating device adapted to replace a section of a chimney and having a central rectangular flue providing a normally unobstructed straight passage for the chimney gases, passages adjacent each side of said flue, heat radiating surfaces each forming one wall of one of said passages, means for obstructing the flow of such gases through said flue to deflect such gases through such passages, and a masonry pier at each corner of the heating device extending between the portions of the chimney so separated.

1,534,169. HEATING DEVICE. JOSEPH L. DONAT, Chicago, Ill. Filed Apr. 30, 1923. Serial No. 635,484. 2 Claims. (Cl. 257—166.)



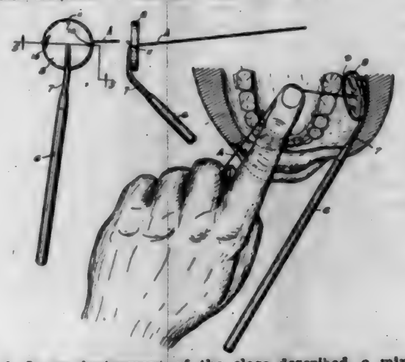
2. A heating device comprising a hollow U-shaped casing adapted to be inserted in an aperture in the wall of a chimney, the recessed portion of the walls of the casing being in contact with the chimney gases, air inlet and exit openings in said casing opposite said recessed portion of the walls, and means for controlling the flow of air through one of said openings.

1,534,170. WEAR-COMPENSATING DEVICE. OTHO J. DONSEY, Philadelphia, Pa. Filed Oct. 18, 1921. Serial No. 508,594. 6 Claims. (Cl. 64—55.)



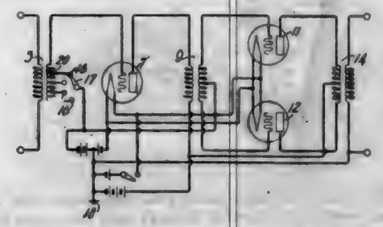
6. A bearing comprising a U-shaped frame, a bearing block movable in the frame and having a longitudinally inclined shoulder having serrations thereon, a longitudinally movable wedge having a tapered surface extending parallel to the inclined surface on the lower bearing also provided with serrations engaging the first mentioned serrations, resilient means urging the wedge longitudinally, and resilient means urging the bearing block vertically.

1,534,171. DENTAL-FLOSS-GUIDING MEANS. JOSIAH B. FICKES, Omaha, Nebr. Filed Aug. 13, 1923. Serial No. 657,036. 2 Claims. (Cl. 132—91.)



1. In an instrument of the class described, a mirror-frame having at a plurality of points on the marginal portion thereof means for detachably connecting therewith a thread or strand of dental floss, and a mirror held in said frame.

1,534,172. AMPLIFIER CIRCUITS. FRANK E. FIELD, Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 1, 1922. Serial No. 604,154. 3 Claims. (Cl. 179—171.)



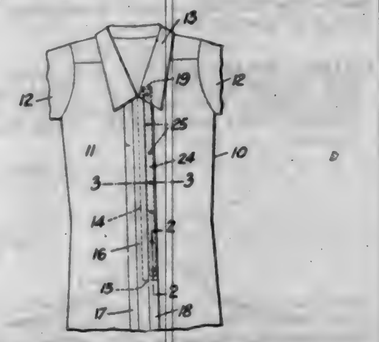
3. An amplifier comprising a plurality of electron discharge devices connected in tandem, a portion of the output circuit of the last of said devices being grounded, potential adjusting means connected to the input conductors of a preceding discharge device, and a low impedance connection from said adjusting means to ground.

1,534,173. HIGH-PRESSURE LUBRICATING APPARATUS. VANUS C. FOGELBERG, Chicago, Ill., assignor to E. Edelmann & Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 31, 1922. Serial No. 585,345. 3 Claims. (Cl. 184—105.)



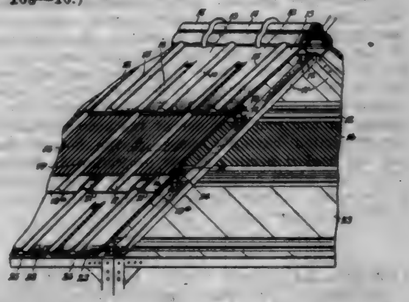
1. A lubricating apparatus comprising a gun, and means for connecting the gun to a fitting comprising a discharge member having a passage therein, a guide on said member, a tubular plunger arranged within the guide to make discharge connection with the fitting, a pin movable in the guide, a spring on the pin for normally holding it out of locking position, and means on the guide for thrusting the pin into locking engagement with the fitting.

1,534,174. GARMENT. FRED E. FRANK, New York, N. Y., assignor to Henry A. Dix & Sons Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 25, 1924. Serial No. 708,929. 1 Claim. (Cl. 2—115.)



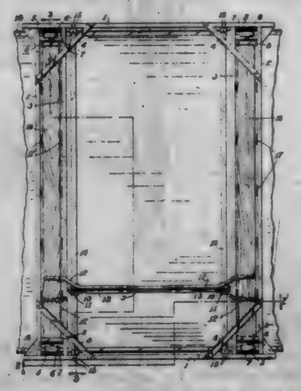
In a garment, a longitudinally disposed placket formed by overlapping inner and outer portions, each having a series of equi-distant button holes in register with each other, the said outer portion being provided with an extension at its top having one of the said button holes located therein, a fabric tape having buttons securely fastened thereto, equidistant from each other, the said tape being secured to the garment by insertion of its buttons through the series of button holes in the inner portion of the said placket and having its buttons co-operating with the button holes in the outer portion of the said placket for the purpose of closing the same, one of the said buttons cooperating with the button hole in the extension of the outer portion and its registering button hole in the inner portion, and a flap at the outside of the garment covering the said buttons.

1,534,175. ROOF STRUCTURE. CHERI S. FREUND, Chicago, Ill., assignor to Continental Cement Tile Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 3, 1921. Serial No. 512,410. 10 Claims. (Cl. 108—10.)



1. In a roof structure, supporting purlins, a plurality of opaque tile sections and transparent roof sections, some of the opaque sections overlying the transparent sections, and said transparent sections overlying others of said tile sections, and means extending under the transparent sections and over the tile sections where said sections overlap.

1,534,176. CEMENT-ROAD-MAKING MACHINE. CHESLEIGH GRAY, Indianapolis, Ind. Filed June 20, 1923. Serial No. 646,580. 6 Claims. (Cl. 94—45.)



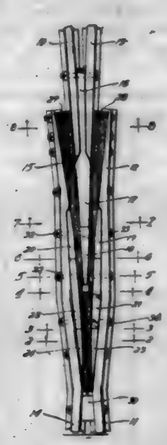
1. In a road finishing apparatus, the combination with a supporting frame arranged to be moved longitudinally of the road, transversely extending guide members shaped to conform to the camber of the road mounted on said frame and a straight edge strike extending substantially longitudinally of the road during its entire operation and movable transversely of the road on said guide members.

1,534,177. ROOF BRICK. CHARLES GUEST, Cleveland, Ohio. Filed Feb. 18, 1922. Serial No. 537,460. 1 Claim. (Cl. 72—55.)



A roof brick for furnaces and the like, having a body portion which is adapted to be substantially vertically disposed in a roof, the upper end of the body portion having one edge thereof notched and being provided upon the opposite side thereof with a correspondingly shaped lateral projection, the side portions of the brick below the shoulder and projection being flat so that a brick can be dropped in position from the top of the roof and the projection thereof caused to engage the notch of a previously placed brick, the notch having an undercut shoulder at the bottom thereof and the projection having a hook at the bottom thereof, and the hooked portion of the projection having an inclined face which cooperates with the undercut shoulder of the notch to draw the freshly place brick toward the previously placed brick.

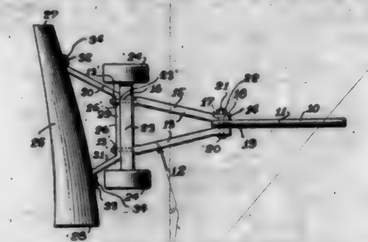
1,534,178. RAILROAD FROG. PAUL HOFFMAN, Western Springs, Ill. Filed May 19, 1924. Serial No. 714,276. 12 Claims. (Cl. 246—460.)



3. In combination, intersecting railroad rails, and a hard metal frog secured between said rails, said frog comprising a replaceable point and separately replaceable rail wear portions on opposite sides respectively of said point and adjacent thereto.

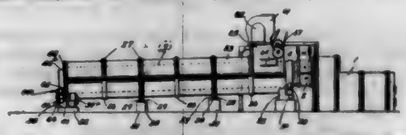
1,534,179. CLEANING DEVICE. LOUIS KLINGER, Brooklyn, N. Y. Filed May 21, 1924. Serial No. 714,770. 10 Claims. (Cl. 37—53.)

1. A portable cleaning device for snow or the like, comprising, in combination, a operating member, a shaft, supporting wheels rotatably carried by said shaft, a cleaning element, supporting means for said cleaning



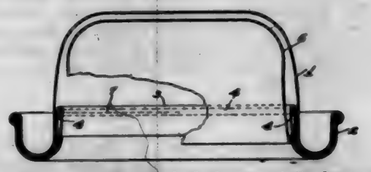
element, and attaching means associated with said operating member and passing through said shaft and said supporting means.

1,534,180. DRIER. GUSTAV KOMAREK, Chicago, Ill., assignor, by mesne assignments, to Malcolmson Engineering and Machine Corporation, St. Louis, Mo., a Corporation of Missouri. Filed Feb. 7, 1921. Serial No. 442,976. 53 Claims. (Cl. 34—7.)



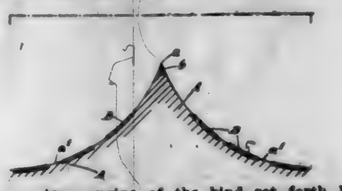
2. The combination of a furnace, a rotatable drying cylinder, and a flue connection between said furnace and cylinder, the same comprising suspension means, and members adjustably holding and clamping said connection to said furnace.

1,534,181. HAT LINING. SAMUEL KRAINER, Chicago, Ill. Filed May 15, 1922. Serial No. 560,879. 1 Claim. (Cl. 2—175.)



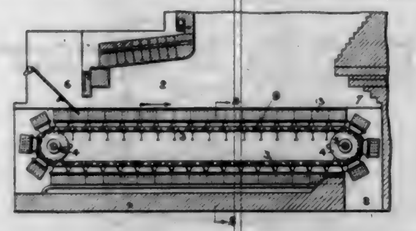
In a hat, a sheath attached thereto at its lower edge, and a tape extending around the upper free edge of said sheath and fastened to the portion thereof around the front of the hat, the ends of said tape extending through an aperture in the hat.

1,534,182. ROTARY ENGINE. JOHN LITHGOW, Wakefield, England, assignor to Diamond Coal Cutter Company Limited, Wakefield, York, England, a British Company. Filed June 19, 1923. Serial No. 646,423. 3 Claims. (Cl. 121—70.)



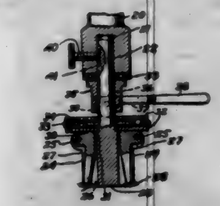
1. In a rotary engine of the kind set forth having rotors with intermeshing helical blades, a rotor casing and a lining in the said casing of anti-friction non-abrasive material arranged in the form of parallel strips following the lines of the helical rotor blades.

1,534,183. FURNACE GRATE. FRANK H. MCHUGH, Philadelphia, Pa., assignor of one-half to Charles A. McHugh, Philadelphia, Pa. Filed Mar. 18, 1921. Serial No. 453,293. 3 Claims. (Cl. 110—40.)



1. In an invention of the character stated, the combination of a combustion chamber, with an endless travelling grate having an air space between the upper and lower layers thereof, said grate consisting of a plurality of independent transverse grate sections jointedly connected to form an endless apron providing a shallow trough-like structure upon its upper traveling surface and having air passages therethrough, said sections having their end portions provided with side walls of uniform height, said walls being hollow and having air passages therethrough on the side adjacent to the fire bed and directly communicating with said air space.

1,534,184. CAPPING DEVICE. GAETANO MARCHESINI, New York, and CARLO DALBONI, Staten Island, N. Y. Filed June 11, 1924. Serial No. 719,430. 1 Claim. (Cl. 113—25.)



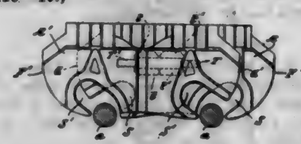
A capping device comprising a chuck, pivoted levers on the chuck, roller dies carried by said levers, a shank connected to the chuck, a sleeve on the shank, a handle carrying cams, a ring engaged by the cams, whereby, on actuation of the lever, the dies will be moved to operative position, a shaft to rotate the shank, means to operate the shaft, a standard to support the shaft, said means and the chuck, and a rest beneath the chuck.

1,534,185. CABLEWAY AND METHOD OF OPERATING THE SAME. THOMAS SPENCER MILLER, South Orange, N. J. Filed Apr. 6, 1921. Serial No. 459,071. 7 Claims. (Cl. 37—195.)



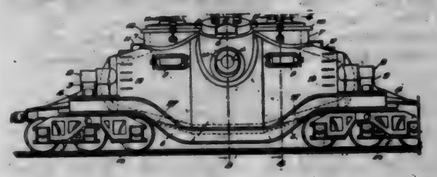
1. The method of operating by a steam engine a load-supporting cable suspended from spaced supports, which consists in admitting to the engine steam pressure sufficient to overcome the friction of the engine and raise the cable, and then reducing the steam pressure to sustain the cable by engine friction and reduced steam pressure.

1,534,186. CHAIN-GRATE STOKER. GEORGES MOUBLAM and MARCEL SUTTER, Paris, France, assignors to The Babcock & Wilcox Company, New York, N. Y. Filed July 30, 1920. Serial No. 399,987. 10 Claims. (Cl. 110—40.)



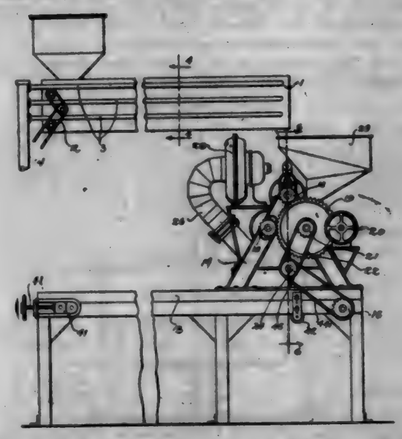
2. A compound link for a chain grate in which a plurality of links are connected by means of connecting rods, comprising a pair of members each having slots adapted to engage the rods of the chain and interlocking portions between the said members adapted to prevent the withdrawal of the link from the chain by gravity and to permit the withdrawal of the link by a movement of the members thereof in the vertical plane of the link and while the remaining links of the chain are in their respective operative positions.

1,534,187. HOT-METAL CAR. JOHN D. PUGH, Mount Washington, Baltimore, Md. Filed May 26, 1921. Serial No. 472,677. 10 Claims. (Cl. 22—83.)



1. A large capacity car for treating, transporting storing and discharging hot metal comprising an elongated car body having an enlarged rounded central portion with conical end portions, mounted on trunnions adjacent its longitudinal axis, a spout on said central portion above the axis thereof, and means extending through the upper portion of said car body for electrically heating the contents thereof.

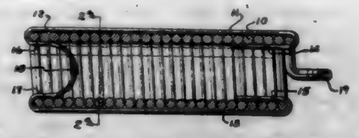
1,534,188. BLANCHING MACHINE. EUGENE J. RANCHINI, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 696,413. 6 Claims. (Cl. 146—32.)



1. A nut blanching machine comprising means for delivering nut kernels, three rolls having spongy peripheries in juxtaposed relation with each other said rolls

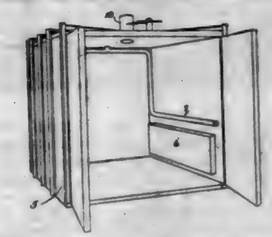
defining a way therebetween for the passage of nut kernels from said means, said way comprising two portions, the first portion comprising a pair of said rolls, the second portion comprising the other roll and one of said pair, the rolls in each of said portions traveling in opposite directions and at different speeds.

1,534,189. TIE FOR COIL SPRINGS. JOHN W. RICHARDSON, Stratford, Conn., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,602. 6 Claims. (Cl. 266—4.)



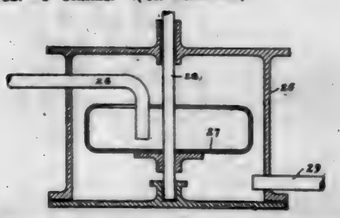
1. The combination with a coil spring, of a binding means on opposite sides thereof, each of said means comprising a longitudinal member extending over both ends of the coil and projecting into the same, and means to preserve the spaced relation of said binding means.

1,534,190. OVEN. GEORGE P. SIMPSON, New Haven, Conn., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn., a Corporation. Filed July 13, 1921. Serial No. 484,312. 2 Claims. (Cl. 34—19.)



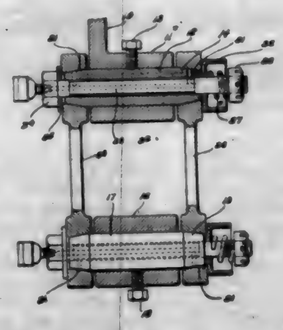
1. The combination with an oven having a baking-chamber, of a heating-unit located in the lower part of the said chamber, so as to radiate heat directly thereinto, and means located directly over the said unit in close proximity thereto and adapted to force jets of air downward against the currents of heated air rising therefrom, so as to deflect the same downward toward the bottom of the chamber, whereby the heat radiated from the heating-unit is prevented from rising to the top of the chamber until it has first diffused itself throughout the lower portion thereof.

1,534,191. CENTRIFUGAL CLEANER FOR CIRCULATING LIQUIDS. WALTER W. STRYKER, Dayton, Ohio; Edward T. Jones administrator of said Walter W. Stryker, deceased. Filed Aug. 3, 1920. Serial No. 401,042. 5 Claims. (Cl. 233—21.)



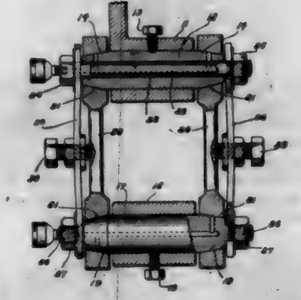
1. In a centrifugal separator, a fluid-tight chamber having an inlet and an outlet, a rotatable bowl mounted in the chamber and having an imperforate bottom and an inbent side wall forming an annular trough, and means for conducting material to be treated from the chamber inlet into the bowl in a stream directed against the bottom of the same at a point adjacent the axis of rotation and arm thereof.

1,534,192. SHACKLE. WILLIAM A. TRYON, Providence, R. I. Filed Feb. 9, 1923. Serial No. 618,133. 3 Claims. (Cl. 267—54.)



1. A spring shackle for vehicles comprising a bearing pin removably held at its medial portion in the chassis parts and having tapering protruding opposite ends extending beyond its chassis bearing, a corresponding pin similarly mounted in the spring parts, a pair of parallel spaced apart connecting links having tapering holes to engage the corresponding ends of said pins, and springs at the ends of said pins acting upon said links to automatically take up the wear upon the tapered portions.

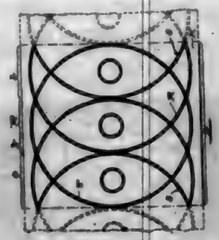
1,534,193. SHACKLE. WILLIAM A. TRYON, Providence, R. I. Filed Feb. 9, 1923. Serial No. 618,134. 6 Claims. (Cl. 262—54.)



1. A spring shackle for vehicles comprising bearing pins, each tapered on its opposite ends, one mounted in the chassis parts and one in the spring parts, links connecting the corresponding ends of said pins and having bearing openings to fit the tapered ends thereof, and spring means acting on said links midway their ends to automatically take up the wear upon their bearings.

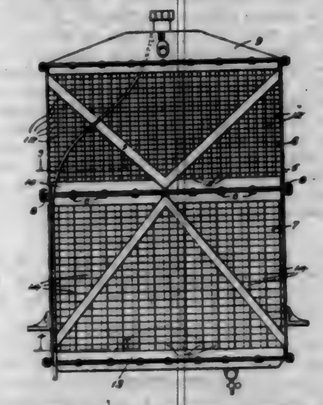
1,534,194. ORNAMENTED FABRIC AND METHOD OF PRODUCING THE SAME. HENRY A. VAN LIEW, Springfield, N. J., assignor to Oriental Silk Printing Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 9, 1923. Serial No. 611,662. 1 Claim. (Cl. 101—375.)

Apparatus for printing a design pattern upon a strip of fabric material consisting of a roller having in relief upon its periphery a fractional section only of the pattern of the complete design, the lines of the design section upon the roller being symmetrical with relation to the median dimensions of the design section and



the lines of the design section upon the roller having points which register with each other at the surface of the roller whereby the pattern section upon the roller is devoid of break.

1,534,195. NONFREEZING RADIATOR. GEORGE E. WALTER, Cutes, Ind. Filed Aug. 17, 1922. Serial No. 582,898. 1 Claim. (Cl. 257—129.)



An automobile radiator comprising a casing, a pair of radiator sections disposed in said casing one above the other in vertical alignment, each of said sections being provided with water tubes, the tubes of the upper section being of smaller diameter than the tubes of the lower section, water reservoirs disposed at the top and bottom of the casing, in communication respectively with the upper and lower radiator sections, an additional water reservoir disposed in the casing intermediate of said radiator sections and communicating therewith, and water supply and exhaust pipes for said radiator sections.

1,534,196. ABRASIVE COMPOUND. JOHN F. WEBBER, Denver, Colo., assignor to The Zip Manufacturing Co., Denver, Colo., a Corporation of Colorado. Filed Mar. 28, 1921. Serial No. 456,171. 9 Claims. (Cl. 51—280.)

1. A metal grinding preparation free from oil comprising a non-alkaline plastic clay, an abrasive, water, calcium chloride, lime and glycerine.

1,534,197. SAFETY BELT STRAP. ELBERT CECIL WILLIAMS, Dayton, Ohio. Filed June 27, 1923. Serial No. 648,170. 1 Claim. (Cl. 241—9.)

The combination of a garment having a belt loop thereon, a belt passing through the loop, a strip secured to the belt at one side of the loop and extending over the loop, and detachable securing means, carried partly by



the free end of the strip and partly by the belt, for detachably securing the free end of the strip to the belt at the other side of the belt loop.

1,534,198. PACKING RING AND PISTON. JOHN T. WILSON, Pilot Hill, Calif. Filed Apr. 26, 1921. Serial No. 464,497. 2 Claims. (Cl. 74—109.)



1. The combination with a cylinder and piston having a circumferential groove wider adjacent the exterior surface of the piston than at the bottom, the greatest depth of said groove being adjacent the explosion chamber, of a cut resilient expansible flanged packing ring of a shape in cross section substantially matching and loosely fitting the groove, its exterior surface frictionally engaging the interior surface of the cylinder, the flange extending beyond the vertical surfaces of the groove and ring at P, the entire edge surface adjacent the explosion chamber being in a plane at right angles to the longitudinal axis of the piston, and the free ends being fashioned to form a lapped joint; the end of the piston next the explosion chamber being entirely closed so that explosion and charge compression pressures can reach the under surface of the ring only by passing over the outer edge of the piston, the vertical surface of the groove and the vertical surface of the edge of the ring remote from the explosion chamber at P matching to form a tight joint, and the flange of the ring and the wall defining the shallow portion of the groove each having a surface oblique to the axis of the piston and said surfaces spaced apart to form an oil groove.

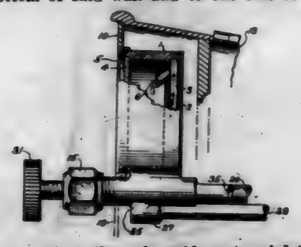
1,534,199. MANUFACTURE OF SILICA BRICKS. JOHN WILSON, Crook, England, assignor to John Wilson and Pease and Partners Limited, both of Darlington, Durham, England. Filed Sept. 29, 1922. Serial No. 591,428. 3 Claims. (Cl. 106—9.)

2. The herein described method of manufacturing highly refractory bricks, which consists in intimately mixing china clay and lime each in a finely divided condition with natural siliceous stone also in a finely divided condition, the percentage of china clay being of the order of about 2.5% and that of the lime about 1.5%, and forming the mixture into bricks.

1,534,200. AIR MOISTENER FOR INTERNAL-COMBUSTION ENGINES. JAMES A. WISH and BENJAMIN J. TABBUTTON, Sandersville, Ga. Filed July 23, 1924. Serial No. 727,799. 1 Claim. (Cl. 261—59.)

In a device of the character described, the combination of a vertically disposed chamber; an inlet to said chamber comprising a passageway located in the vertical rear wall of said chamber, one end of said passageway terminating in an angularly disposed outlet into said chamber overhanging said wall and located at the top portion

thereof, a water supply for said chamber connecting with the other end of said passageway; a valve controlling said water supply; an outlet from said chamber located at the bottom of said wall and to one side of the verti-



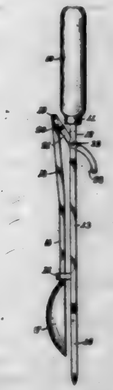
cal plane passing through said water inlet; an air supply communicating with said last named outlet to admit air to mix with the water flowing from said outlet; and a tapered valve controlling said air supply.

1,534,201. DRAWER-GUIDE CONSTRUCTION. JULES ARMAND BLIN, Paris, France. Original application filed Nov. 14, 1921, Serial No. 515,109. Divided and this application filed Apr. 8, 1922. Serial No. 550,890. 2 Claims. (Cl. 45—77.)



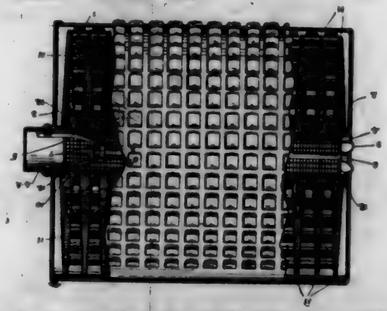
1. An article of furniture, a drawer guided therein, metal guide-strips having rolled edges fast to the internal side walls of the furniture and parallel with the sides of the drawer, fixed spindles and freely turning rollers mounted thereon on the external face of the fixed strips, a movable slide with rolled edges riding on and embracing each pair of rollers on each fixed guide strip, and a superposed roller and a pair of sublocated spaced rollers positioned on opposite edges of the movable slide and mounted along the sides of the drawer to run on the edges of each movable slide, as described.

1,534,202. COOKING AND SERVING UTENSIL. LEONARD W. BOLBY and JACOB S. BRENNER, New York, N. Y. Filed Dec. 1, 1924. Serial No. 753,051. 5 Claims. (Cl. 30—22.)



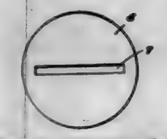
1. A serving utensil comprising a plurality pronged fork having a straight shank bifurcated at its opposite end, a handle fixed on the bifurcated end, an eye rigid on said shank, a spoon having a stem slidable in said eye, a finger lever fulcrumed on the bifurcated portion of said shank, and a pivotal connection between the lever and said stem.

1,534,203. AIR FILTER. LEWIS L. DOLLINGER, Rochester, N. Y. Filed Jan. 30, 1924. Serial No. 689,438. 6 Claims. (Cl. 183—71.)



6. In an air filter the combination of a series of filtering units each comprising a hollow disc having a central opening at each side thereof, an annular flange surrounding each of the openings in the sides of said filtering units, said flanges being adapted to telescope into one another and form a continuous series of self-supporting filtering units having a common outlet at one end thereof, a cylindrical casing surrounding said series of filtering units, said cylindrical casing having openings in the wall thereof to admit the air to said filtering units, an outlet in said cylindrical casing and means for supporting said series of filtering units at each end of said cylindrical casing and in line with said outlet in said cylindrical casing.

1,534,204. SHRAPNEL PLUG. MATTHEW E. DUNLAP, Madison, Wis., assignor to United States of America. Filed Nov. 5, 1918. Serial No. 261,208. 1 Claim. (Cl. 217—56.)

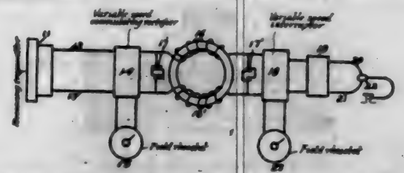


A cylindrical plug for shrapnel shells comprising a body of wood having one portion of an external diameter greater than that of the hole to be plugged, a threaded portion for retaining said plug in said hole, said body having a cavity formed in one end extending into said body beyond said threaded portion, and a portion of lesser diameter than said hole and said screw threaded portion, arranged between said threaded portion and said portion of greater diameter than said hole.

1,534,205. ELIMINATING DISTURBING ENERGY. REGINALD A. FESSENDEN, Brookline, Mass., assignor to Submarine Signal Company, Portland, Me., a Corporation of Maine. Filed Aug. 20, 1917. Serial No. 187,121. 5 Claims. (Cl. 177—386.)

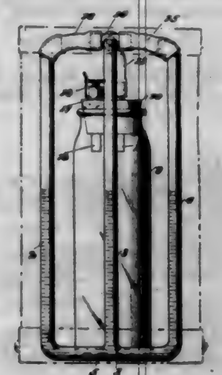
1. Apparatus for the utilization of the energy of electric impulses; comprising a generator of electric impulses, receiving conductors, an interrupter, a choke coil, a second commutator, and a device for utilizing the energy of electric currents, in series in the order given; whereby electric currents flowing from the receiving conductors to the first commutator, and of a desired frequency, are commutated into substantially continuous currents by means of the first commutator; and currents of undesired frequencies are not so commutated; and the

passage of the energy of the currents of undesired frequencies is opposed by the choke coil, while the passage of the substantially continuous current is not so opposed by said choke coil; and said substantially continuous



current is then commutated to periodic currents of a desired frequency by the said second commutator; and said periodic currents utilized in said electric energy utilizing device.

1,534,206. RATE-OF-CLIMB INDICATOR FOR AIRCRAFT. ANGIER H. FOSTER, Omaha, Nebr. Filed Sept. 22, 1920. Serial No. 411,993. 8 Claims. (Cl. 264—1.)



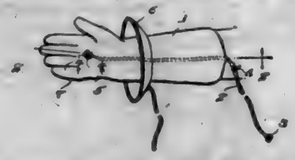
8. In a rate-of-climb indicator for air craft, the combination of a liquid-containing transparent indicator tube having two side branches and a third intermediate branch arranged in substantial parallelism therewith and open to the atmosphere, a casing containing the side branches of the indicator tube and having an exterior channel through which the intermediate branch extends, a reading scale disposed in the said channel of the case in suitable proximity to the tube branch extending therethrough, an air container in communication with the indicator tube, and means for establishing communication between the air container and the outside air through a restricted aperture.

1,534,207. PROCESS AND APPARATUS FOR SCALDING ANIMALS. GROVER J. FOSTER, Sioux City, Iowa. Filed Aug. 9, 1924. Serial No. 731,048. 15 Claims. (Cl. 17—15.)



13. A scalding apparatus including an elongated tank and a stationary rack therein extending longitudinally of the tank and supported near the normal level of the scalding liquid contained in the tank, said rack being adapted to immerse in the liquid animals propelled thereunder.

1,534,208. FOUNTAIN GLOVE. DELSWORTH E. GIBSON, Dunkirk, N. Y. Filed Nov. 30, 1923. Serial No. 677,899. 1 Claim. (Cl. 15—127.)



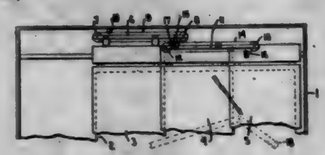
A glove having means for introducing water through the palm thereof, a shield for preventing water dripping from the glove on to the arm or clothing of the user of the glove, said shield comprising a circumferential flange surrounding and integrally formed with the wrist portion of the glove and directed toward the tip of the glove to form the drip catching groove.

1,534,209. ARM REST FOR CRUTCHES. JOHN B. GLOWACKI, Chicago, Ill. Filed Jan. 3, 1922. Serial No. 526,616. 8 Claims. (Cl. 135—52.)



1. A crutch comprising two upright longitudinal members, a casting connecting said members at their upper ends, a cushioning device, and a flexible non-stretching suspension device slidable through said cushioning device with the ends of said suspension device removably secured to said casting to hold the cushioning device suspended in position.

1,534,210. OPERATING MECHANISM FOR ELEVATOR DOORS. THOMAS E. GRIFFITH and LEE L. DODDS, Cleveland, Ohio, assignors to The W. S. Tyler Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1923. Serial No. 645,833. 2 Claims. (Cl. 268—8.)

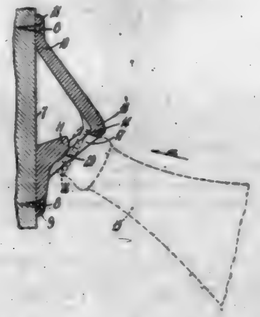


2. Speed actuating mechanism for three parallel traveling doors, comprising flexible means carried at the top of the first door for connecting said first door to the enclosure and to the second door, and flexible means carried at the top of said second door, said last named means connecting said third door to said first and second doors, both of said flexible means being operable in the plane of the movement of the doors and being adapted to cause the second door to travel twice as fast as the first door, and to cause the third door to travel three times as fast as the first door.

1,534,211. BOTTLE-CAP PULLER. THOMAS C. HAMILTON, Boston, Mass. Filed Sept. 18, 1924. Serial No. 738,385. 2 Claims. (Cl. 65—46.)

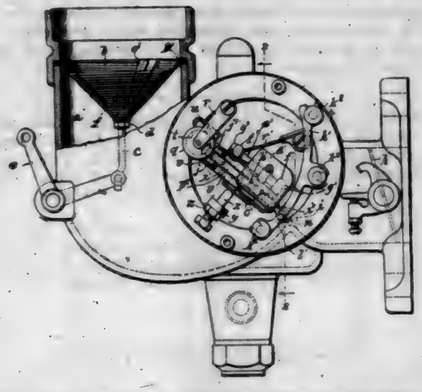
1. A cap puller for bottles comprising a base adapted to be attached to a support, a projection on said base constituting a fulcrum and adapted to engage the central portion only of a bottle cap on a bottle, means on said

base adapted to partially encircle and position said cap relatively to and laterally of said projection with a lip thereon to engage beneath the edge of said bottle cap, there being an opening between said positioning means and projection through which a portion of said cap may project, whereby upon tipping said bottle on said



projection the cap will be removed from the bottle, and an arm projecting upwardly from said positioning means and inclined inwardly terminating in alignment with the inner face of said base and spaced apart therefrom, whereby said cap puller may be further attached to said support.

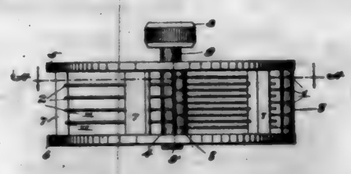
1,534,212. CARBURETOR. WILLIS C. HESS, Detroit, Mich. Filed Mar. 2, 1923. Serial No. 622,403. 10 Claims. (Cl. 261—50.)



1. In a carburetor, a pressure-operated vane having a hub at its upper end, said hub having a passage extending axially through it communicating with a distributing-chamber in the vane extending to its lower edge, said hub having journals which pivotally support the vane in the walls of the mixing-chamber, means for supplying gasoline to one end of said hollow hub, and a needle-valve adjustably supported in the other end of said hub and adapted to control the inlet of fuel at the opposite, inlet end of the hub.

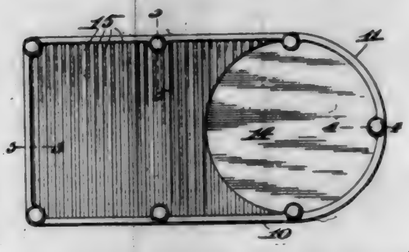
10. In a carburetor, a vane in the mixing-chamber having a fuel-distributing chamber and adapted to normally swing down to closed position and to be opened by inrushing air, said vane having a hollow hub, a fuel-valve controlling the inlet of fuel to said hollow hub, a float-chamber connected to said hollow hub by a channel, a bleed opening a' being provided for said channel at a point above the normal level of the liquid in the float-chamber to thereby prevent siphonic action carrying fuel into the mixing-chamber after the engine is stopped.

1,534,213. VARIABLE CONDENSER. GUY HILL, Washington, D. C. Filed Feb. 3, 1923. Serial No. 616,759. 4 Claims. (Cl. 250—41.)



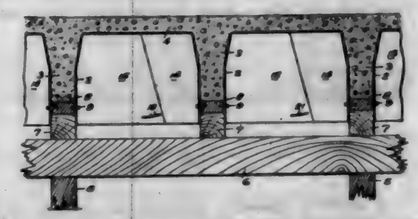
1. In a variable condenser, the combination of a plurality of alternately arranged stationary and movable plates, a central shaft, said movable plates having their centers maintained a fixed distance apart by suitable attachment to said central shaft and having their peripheries maintained the same fixed distance apart by peripheral supporting elements, said movable plates being free from mechanical contact with said interleaving stationary plates, the dielectric between said plates consisting entirely of air, said central shaft being provided with means for rotating said movable plates.

1,534,214. BATHTUB MAT. JOHN T. HOLT, Los Angeles, Calif. Filed Apr. 9, 1924. Serial No. 705,245. 1 Claim. (Cl. 4—185.)



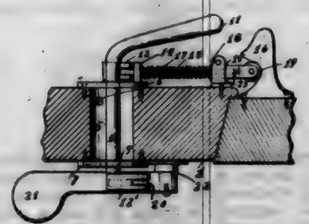
A bath mat comprising a section of flexible waterproof material provided in its under face adjacent to its edges with shallow recesses, the material in the body of the mat around said recesses being extended downward to form annular depending flexible lips, the upper surface of the body of the mat at one end being provided with a round smooth flat portion and the remaining portion of the upper surface of the mat body being formed with transversely disposed corrugations.

1,534,215. CONCRETE FORM. CECIL B. HOPKINS, San Francisco, Calif. Filed July 23, 1923. Serial No. 653,118. 8 Claims. (Cl. 25—131.5.)



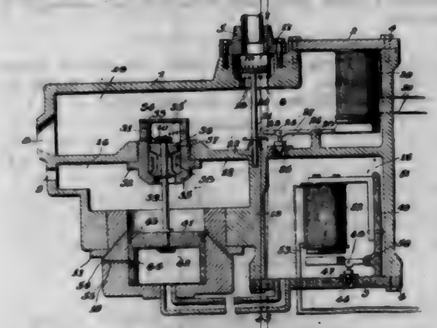
1. A metallic arch form having a flexible top plate of fixed width and a two-part end closure head in which the two parts are relatively movable on flexure of the top plate to permit collapsing of the form.

1,534,216. LATCH FOR REFRIGERATOR DOORS. ANTON N. HORNUNG, Los Angeles, Calif. Filed Aug. 27, 1924. Serial No. 734,414. 8 Claims. (Cl. 292—255.)



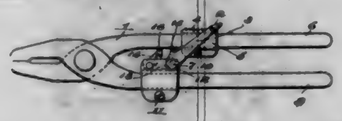
1. The combination with a door and an automatic latch thereon, of a shaft journalled in the door and bent at one end to form a handle at one side of the door; and means operable by the foot of an attendant and connected to rock the shaft to retract the automatic latch.

1,534,217. AUTOMATIC AIR-BRAKE-CONTROL MECHANISM. FRANK N. JOHNSTON, Cheyenne, Wyo., assignor of one-half to C. Y. Beard, Cheyenne, Wyo. Filed Nov. 5, 1924. Serial No. 747,930. 14 Claims. (Cl. 303—20.)



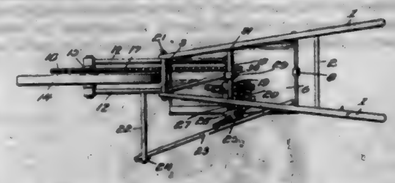
1. In an air brake control mechanism, a housing interposed between the train pipe line and the air brake mechanism, said housing being divided into a plurality of chambers, valve means between certain of said chambers for controlling communication therebetween, other valve means arranged between certain others of the chambers for controlling the passage of air from one of said chambers into the other and to the air brake mechanism, and pressure actuated means in said last mentioned chamber connected to the last mentioned valve means for effecting operation thereof.

1,534,218. LOCK FOR TONGS. BYRON Q. JONES, Washington, D. C. Filed July 12, 1924. Serial No. 725,620. 5 Claims. (Cl. 294—41.)



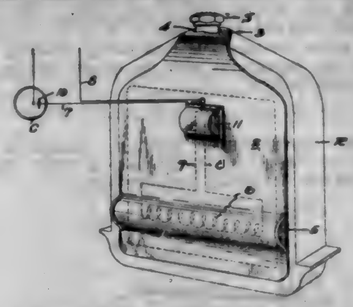
1. In a gripping tool having a plurality of pivoted operating arms, a clip adapted to be mounted on one of said arms, a lever pivoted on said clip, and a ratchet device on the other of said arms to be engaged by said lever for the purpose described.

1,534,219. BOLL-WEEVIL EXTERMINATOR. RHESA P. KENNEDY, Hattiesburg, Miss. Filed Oct. 6, 1923. Serial No. 666,943. 8 Claims. (Cl. 43—142.)



1. A machine of the character described comprising a movable receptacle, a rotary agitator disposed entirely over said receptacle and rotatable in the direction of movement of said receptacle, and a lateral guide member engageable with a cotton plant to bend the same over the receptacle and into engagement with the agitator.

1,534,220. AUTOMOBILE RADIATOR HEATER. ARTHUR J. KRECHER, Berkeley, Calif. Filed June 12, 1922. Serial No. 567,875. 5 Claims. (Cl. 219—385.)



1. A device for warming motor radiators comprising an electric heating element, means for suspending the element adjacent the lower part of the radiator and a reflector arranged behind the heating element to reflect radiated heat against the radiator.

1,534,221. ELECTRIC FLOOR HEATER. ARTHUR J. KRECHER, Berkeley, and WILLIAM WESLEY HICKS, San Francisco, Calif. Filed Mar. 10, 1924. Serial No. 698,090. 9 Claims. (Cl. 219—34.)



1. In an electric heater, a casing, an apertured cover for the casing, and means forming with the interior walls of the casing a passageway extending around the element and communicating with the interior near its bottom, said passageway also communicating with the interior near its top, through a path distinct from the apertures in the cover.

1,534,222. VEHICLE DIRECTION INDICATOR. ALBIN J. LACKSTROM, Oakland, Calif. Filed July 30, 1924. Serial No. 729,107. 3 Claims. (Cl. 40—132.)

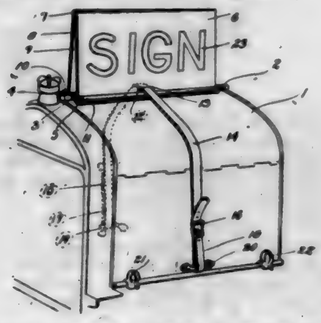
1. A vehicle direction indicator comprising a cylindrical housing open at both ends; outwardly turned flanges formed upon the ends of the housing; a lighting

element mounted within the housing and arranged to be connected to a source of electrical energy; transparencies mounted within the open ends of the housing, said transparencies bearing outwardly directed arrows visible from in front or rear of the automobile to indicate the direction of a proposed turn; lugs cut from the flanges and



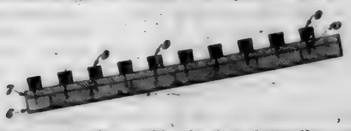
turned inwardly to form backing elements for the transparencies and to form gaps in said flanges; and rims detachably engaging the flanges to hold the transparencies against the lugs, said rims having retaining lugs movable into engagement with the flanges through the gaps formed therein.

1,534,223. ADVERTISING DEVICE. GEORGE E. LA PORT, St. Joseph, Mo. Filed Dec. 18, 1924. Serial No. 756,706. 3 Claims. (Cl. 40—129.)



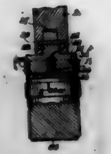
1. A sign comprising a panel, a grooved member receiving the lower end of the panel, the groove in the member being adapted to receive the hinge of the hood of a motor vehicle to prevent sidewise movement of the sign, means for fastening the sign to the hood, said means comprising a tying member passing through the sign and secured to the lower edges of each side of the hood.

1,534,224. CONCENTRATOR CONSTRUCTION. RICHARD A. LEAHY, Bonne Terre, Mo. Filed Sept. 15, 1922. Serial No. 588,389. 13 Claims. (Cl. 83—88.)



1. A concentrating table having laterally resilient riffles of reenforced soft rubber extending transversely to the flow of material across the surface thereof, and fastening members engaging with the reenforcements to fix the riffles against bodily displacement on said surface.

1,534,225. PUMP PISTON. FRANK J. LEMIEUX, Pawtucket, R. I. Filed Sept. 28, 1923. Serial No. 665,565. 4 Claims. (Cl. 22—70.)

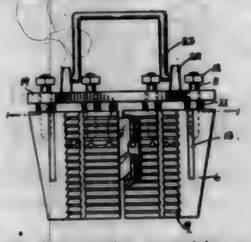


1. A piston of a type adapted for permitting a predetermined amount of molten metal to pass therethrough during its reciprocating movement within a cylinder, said piston comprising a piston rod, and a piston head formed of a plurality of separate parts detachably secured to said rod, one of said detachable parts having a passageway therethrough adapted for permitting the flow of metal through said head.

1,534,226. PROCESS FOR BLEACHING SULPHURIC ACID. WILLIAM CLELAND LEONHARD, Passaic, JOHN ROY DUFFORD, Paterson, and ARTHUR HOUGH, Summit, N. J. Filed Jan. 18, 1924. Serial No. 687,123. 10 Claims. (Cl. 204—59.)

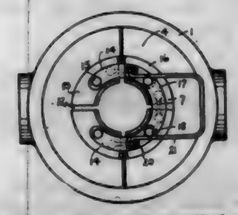
1. A process of bleaching sulphuric acid containing organic matter which comprises the step of passing a current of electricity through such sulphuric acid containing a small percentage of manganese compound in solution.

1,534,227. PIPE-ENGAGING SLIP. GERALD R. LIVERGOOD, Houston, Tex. Filed Jan. 21, 1922. Serial No. 530,800. 7 Claims. (Cl. 24—263.)



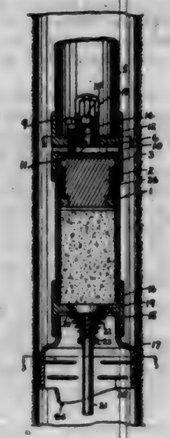
1. In a slip for rotaries comprising a plurality of pipe engaging jaws, means to hold said jaws loosely together comprising a segmental plate, a pin on each jaw slidable in said plate and having a limited movement relative thereto, bearing means for said pins, mortices in the adjacent faces of each of said jaws, a key fitting loosely in the mortices of two adjacent jaws, and serving to connect said jaws flexibly together and means to retain said keys in said mortices.

1,534,228. MULTIPLE-JAW SLIP FOR ENGAGING PIPE. GERALD R. LIVERGOOD, Houston, Tex. Filed Feb. 5, 1924. Serial No. 690,832. 7 Claims. (Cl. 24—263.)



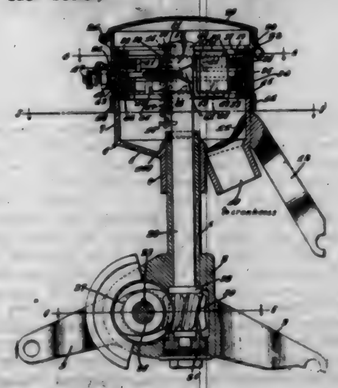
1. A device of the character described comprising a downwardly tapered bowl, a pipe-engaging means tapered to fit therein comprising a plurality of pairs of jaws toothed on their inner faces to engage the pipe, pivotal means to hold each of said jaws loosely to an adjacent jaw, connecting plates securing each pair of jaws at their upper ends, and a holding plate pivotally joining said connecting plates in the manner described.

1,534,229. FISHING TOOL. GERALD R. LIVERGOOD, Houston, Tex. Filed July 12, 1924. Serial No. 725,608. 9 Claims. (Cl. 294—86.)



1. In a fishing tool for wells, a cylinder, a piston therein, a valve-controlled opening below said piston, a shoe secured to the lower end of said cylinder, a closure for the upper end of said cylinder having openings therein for the passage of flushing fluid and means to raise the valve from its seat in said opening when the device is lowered to the bottom of the well, whereby flushing fluid may be pumped through said openings against said piston to force it downwardly within said cylinder, for the purpose described.

1,534,230. TIMER. JESUS M. LÓPEZ, San Antonio, Tex. Filed May 5, 1922. Serial No. 558,822. 3 Claims. (Cl. 123—146.5.)



3. In a device of the class described, a support comprising a pedestal and a cup-shaped head assembled with the pedestal, a shaft journaled in the pedestal, a track in the head, and a contact element carried by the shaft and cooperating with the track, the head being provided with means independent of the pedestal for receiving oily vapor from the crank case of an internal combustion engine and for conducting the oily vapor to the head, said means being so constructed as to transfer liquid oil from the head to the crank case of an internal combustion engine, the track being of annular form to facilitate the pouring of liquid oil into said means and into the bottom of the head.

1,534,231. BRUSH. LOUIS V. LUCIA, Hartford, Conn., assignor to The Fuller Brush Company, Hartford, Conn., a Corporation of Connecticut. Filed Mar. 4, 1922. Serial No. 541,078. 5 Claims. (Cl. 15—195.)



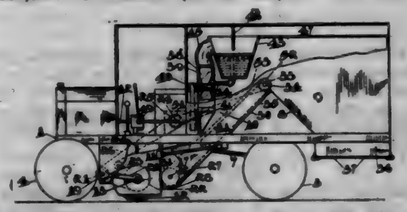
1. A brush including bristles secured in a loop formed by strands twisted together, a form over which the bristles are extended forwardly, said strands engaging and inclosing a portion of the form and twisted together forwardly of the engaged portion to secure it against movement lengthwise of said strands, and means for retaining the bristles in forwardly arranged position.

1,534,232. FOUR-BEND WING-RAIL TRACK FROG. GEORGE D. LUND, Portland, Oreg. Filed Apr. 17, 1924. Serial No. 707,124. 3 Claims. (Cl. 246—482.)



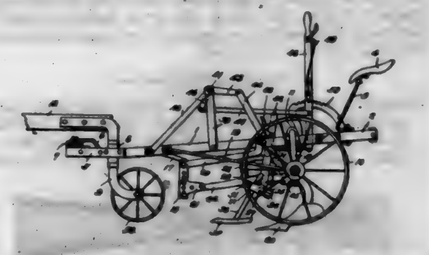
1. A four bend wing rail frog comprising a base plate supporting bent rails having the balls of the rail partially cut away to permit the wheel flange to pass therethrough, a casting engaging with the web of the rails to hold the same in alignment, through bolts holding the rails and casting in place, and a fish plate to reinforce the web of the rail.

1,534,233. STREET-SWEEPING MACHINE. JOHN C. LUNDY, Brantford, Ontario, Canada, assignor, by direct and mesne assignments, of three-fifteenths to Elias E. Slaght and three-fifteenths to Samuel L. Squire, both of Toronto, Ontario, Canada, and four-fifteenths to William H. Hammond, Brantford, Ontario, Canada. Filed Jan. 30, 1922. Serial No. 532,896. 6 Claims. (Cl. 15—11.)



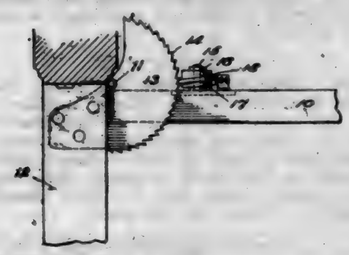
1. In street sweeping apparatus, the combination of a cylindrical brush; a hood therefor having ends in which the brush is journalled; forwardly extending links pivotally connected to the hood and the frame of the machine; and rearwardly extending links pivotally connected to the frame and to the hood at points above the points of connection of the forwardly extending links.

1,534,234. IMPLEMENT-ADJUSTING MEANS. RILEY MCCLASKEY, Idaho Falls, Idaho. Filed Jan. 23, 1923. Serial No. 614,441. 1 Claim. (Cl. 97—157.)



In a device of the class described, a wheel-mounted frame, a depending hanger carried by the frame, a beam located below the frame and having its forward end pivoted to the hanger, upstanding bearing posts on the frame to the rear of the hanger, a first shaft journaled in the bearing posts, the first shaft having a depending arm and a rearwardly extended arm, a first lever under the control of an operator and fulcrumed on the frame, means for holding the first lever in adjusted positions, a first link located above the frame and pivoted to the first lever and to the depending arm of the first shaft, a second link disposed between the shaft and the first lever and disposed at an acute angle to the vertical, the second link being pivoted to the rearwardly extended arm of the first shaft, and to the beam near to the rear thereof, a second shaft mounted to rock on the beam, a forwardly extended arm carried by the second shaft, a downwardly extending soil engaging element mounted on the last-specified arm, an upstanding second lever mounted on the second shaft, a latch mechanism carried by the second lever, and a segment on the beam, the latch mechanism cooperating with the segment.

1,534,235. DOORCHECK. FRANCIS J. MCLOUGHLIN, Brooklyn, N. Y. Filed Mar. 8, 1922. Serial No. 541,929. 6 Claims. (Cl. 16—82.)



1. A door check comprising two cooperating members mounted respectively on the door and its frame, one of said members being revoluble by pressure of the other in one direction only and one of said members being adapted to ride idly over the other in the other direction only.

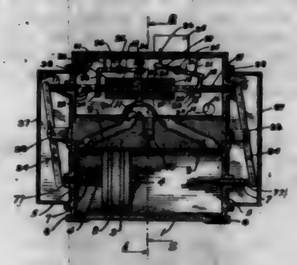
1,534,236. INDUSTRIAL UTILIZATION OF STRAW-LIKE MATERIALS. EMERIC MARKÓCSI and STEPHEN J. ADAM, Budapest, Hungary, assignors of one-half to Felix R. Wiesner and Hugo Mechwart, both of Budapest, Hungary. Filed Nov. 7, 1922. Serial No. 599,506. 18 Claims. (Cl. 92—13.)

3. The process of the industrial utilization of straw-like materials, which consists in crushing the material and chopping it into a chaff, then subjecting the chaff, in wet condition, to a natural souring (self-fermentation) accelerated by transmitting to the chaff the waste heat of the exhaust-steam or the heat of the condensation water of the steam plant, cooking (digesting) the fermented chaff in a closed space (boiler or digester) at temperatures exceeding 212° F., at first with water, then with an excess of alkali, increasing the temperature (pressure) in the boiler (digester) in both cookings during the whole cooking operation, increasing the concentration of the alkali during the whole alkaline cooking, washing and beating the digested fibrous material (raw-pulp) by means of beating tools made of wood, india-rubber, horn, leather or other similar soft, but tough and elastic material, making paper from the beaten pulp in the customary way, substantially as described.

1,534,237. REFRACTORY FURNACE LINING. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Continuation of application Serial No. 581,239, filed Aug. 11, 1922. This application filed Apr. 2, 1923. Serial No. 629,517. 5 Claims. (Cl. 263—43.)

1. The method of protecting and repairing the refractory lining of a furnace which consists in first heating the refractory surface of the furnace to between 300° and 500° F., then painting the heated surface of the furnace with a wash containing not over 10% of soluble silicate in solution and a considerable quantity of powdered fire clay in suspension, then heating the surface of the furnace, then applying another thin coat of fire clay with the soluble silicate binder, again heating the surface of the furnace and repeating the operation until the desired thickness of fire clay is applied to the surface of the furnace.

1,534,238. LIQUID-MEASURING DEVICE. JAMES D. MERCER, Hugo, Colo. Filed Apr. 12, 1924. Serial No. 706,007. 2 Claims. (Cl. 73—30.)



1. In a fluid metering device, in combination, a cylinder, a piston mounted for reciprocation therein, cylinder heads attached to the ends of the cylinder, a housing attached to one side of the cylinder, the wall of the cylinder having intake ports extending from the interior of the housing to the ends of the cylinder, said wall being also provided with an exhaust port opening into the housing at a point intermediate the intake ports, a V-slide valve slidably connected with the side having the port openings, means for moving said slide valve at the end of each stroke of the piston, said means comprising a tubular member operatively connected to the slide valve, said member having a spring abutment intermediate its ends, a spring in each end of said tubular member, a rod slidably connected to the tubular member at each end thereof, said rods projecting through the end walls of the housing, a lug on the tubular member, a detent pivotally connected to the housing, said detent being adapted to engage said lug, resilient means for holding the detent in lug engaging position, means on the rods for moving the detents to a position away from said lug, and means for making said last-named means operative when the piston reaches the end of its stroke.

1,534,239. SANDING DEVICE FOR AUTOMOBILES. LOUIS MILLER, Brooklyn, N. Y. Filed Feb. 14, 1924. Serial No. 692,850. 3 Claims. (Cl. 291—3.)

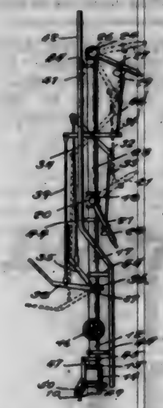


1. A sanding device for automobiles and the like, comprising a sand container, a cup open to the container arranged therebeneath, a sliding plate arranged in the container formed with an opening and a plurality of stirring members, said plate acting as a sand valve, means for guiding the plate as it is actuated, a manually actuated lever for moving said plate stirring members and guiding means, a plurality of pipes extending from said cup for leading the sand therefrom to a point near certain of the wheels of the automobile, and means for forcing air into said cup whenever said sand valve is open.

1,534,240. CEMENT PAINT. SPENCER B. NEWBERRY, Cleveland, Ohio; Andrew W. Newberry, executor of the estate of said Spencer B. Newberry, deceased, assignor, by direct and mesne assignments, to Sandusky Cement Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 29, 1922. Serial No. 564,594. 8 Claims. (Cl. 134—46.)

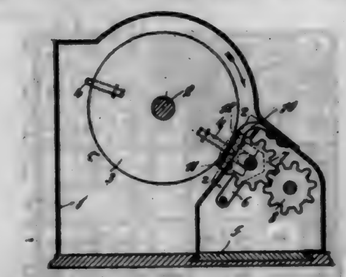
8. A cement paint base containing Portland cement incorporated with a water-soluble aluminum salt and a hygroscopic salt.

1,534,241. STOCK DRENCHER. CHARLES E. NICHOLS, Bellefontaine, Ohio. Filed Nov. 24, 1923. Serial No. 676,798. 8 Claims. (Cl. 299—73.)



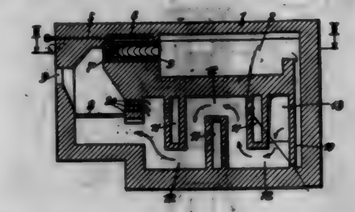
1. A stock drencher adapted to be disposed beside a track and including a vertical pipe rotatably supported at its lower end and connected to a source of water, a nozzle carried by said pipe and projecting out therefrom, and mounted for oscillation on and relative to the pipe, a shield mounted upon pipe for rotation therewith and extending longitudinally with the pipe and disposed behind said nozzle and extending above and below the same, and manually operable means carried by the pipe and disposed behind said shield for imparting oscillation to the nozzle and thereby controlling the direction of discharge.

1,534,242. CALCULATING MACHINE. VALENTIN JAKOB ODHNER, Stockholm, Sweden. Filed Nov. 2, 1922. Serial No. 598,621. 4 Claims. (Cl. 235—79.)



1. A transfer mechanism for calculating machines including pin wheels, an immovable shaft, adjustable ten's transferring members mounted on said shaft, adjustable transfer actuating pins located in the pin wheels and brought into active position by means of said adjustable ten's transferring members, toothed wheels engaged by said pins during the rotation of the pin wheels, numeral wheels actuated by said toothed wheels, each transfer actuating pin being provided with an element adapted to contact with fixed members arranged outside of the periphery of the pin wheels and provided with guiding shoulders adapted to cooperate with said elements for forcing the pin into inactive position after it has turned its corresponding toothed wheel one step.

1,534,243. METHOD AND DEVICE FOR THE PRODUCTION OF HIGH TEMPERATURES. WILHELM OHNM, Dusseldorf, Germany. Filed Sept. 20, 1921. Serial No. 502,007. 4 Claims. (Cl. 110—56.)

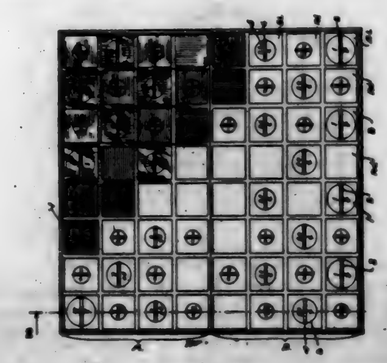


1. In a heating furnace for consuming solid fuel, the combination with a grate to support said fuel and above which grate is a combustion chamber, of a burner communicating with said combustion chamber and constructed with communicating arrow-shaped or converging slots, a heating chamber with which said burner communicates, and a pipe for admitting compressed air to said burner, said pipe terminating in a discharge nozzle centrally disposed relative to said converging slots.

1,534,244. PROCESS OF PRODUCING LOW-SULPHUR PIG IRON FROM HIGH-SULPHUR FURNACE BURDENS. SAMUEL PEACOCK, Wheeling, W. Va., assignor to Alec J. Gerrard, Chicago, Ill. Filed Mar. 14, 1924. Serial No. 699,814. 3 Claims. (Cl. 75—14.)

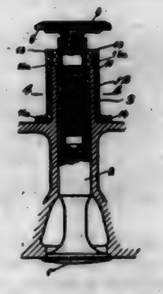
1. The process of making pig iron low in its sulphur content from an iron ore having a high content of sulphur which consists in adding to the usual furnace burden sodium chloride in a quantity of at least twice that required to chemically combine with all the sulphur and phosphorus present; smelting said ore in the presence of said chloride; and recovering the iron thus produced.

1,534,245. GAME BOARD. JAMES G. PITTON, Denver, Colo. Filed May 8, 1924. Serial No. 711,802. 4 Claims. (Cl. 273—130.)



1. A game board of the type employed for checkers having alternate squares of the first, second and third rows provided with slots of the proper size to receive United States coins each row having a different size slot.

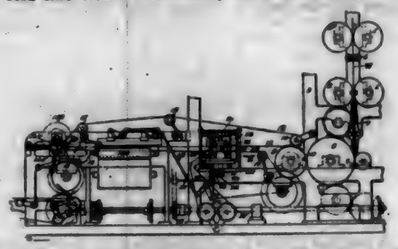
1,534,246. LOCKING DEVICE FOR ADJUSTABLE VALVES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Wurttemberg, Germany, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Wurttemberg, Germany, a Corporation of Germany. Filed Nov. 30, 1923. Serial No. 677,754. 8 Claims. (Cl. 123—90.)



1. A locking device for the adjusting members of adjustable valves, comprising, in combination, a valve stem having a threaded bore, a threaded stem screwed into said bore, a plate rigidly connected with the free end of said second stem and forming the head of the valve, a spring so arranged as to be adapted to lift said plate, means for coupling the spring end which is adjacent to the said plate with latter to resist independent rotation of said plate and the second stem, and means preventing independent rotation of said spring, as set forth.

1,534,247. STAPLING AND FOLDING MECHANISM. OSCAR ROESEN, deceased, late of New York, N. Y., by Isabella Roesen, executrix, Brooklyn, N. Y.; said Oscar Roesen assignor to R. Hoe & Co., New York, N. Y., a Corporation of New York. Original application filed Apr. 14, 1920, Serial No. 373,687. Divided and this application filed Nov. 28, 1923. Serial No. 677,420. 16 Claims. (Cl. 270—38.)

1. The combination with means for forwarding a product, of stapling mechanism, means for positioning the stapling mechanism to insert staples in the product on the fold line either transversely or longitudinally of the



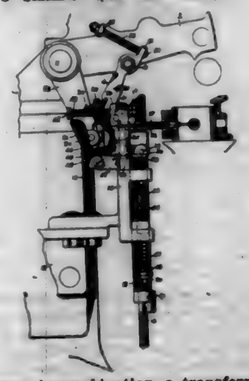
run of the product, and means for folding the stapled product.

1,534,248. BUMPER. CHARLES G. ROSS, Cleveland, Ohio, assignor of one-half to William L. Ross, Chicago, Ill. Filed Nov. 22, 1922. Serial No. 602,553. 5 Claims. (Cl. 293—55.)



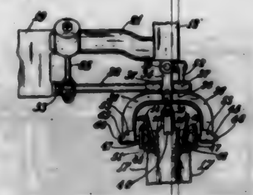
5. A bumper of the class described comprising, in combination, a transversely extending supporting member, a pair of spaced impact members arranged one above the other in a common vertical plane and having their respective extremities connected to the respective extremities of said supporting member, a bowed resilient buffer bar having its medial portion adjacent said impact members and its extremities bearing against said supporting member, and a device connecting said impact members with the medial portion of said buffer bar and said supporting bar and so arranged that movement of said impact members away from said supporting member is limited but movement of the impact members inwardly relative to the supporting members is permitted.

1,534,249. WEFT-DETECTING MECHANISM. EPPA H. RYON, Waltham, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 17, 1921. Serial No. 470,335. 5 Claims. (Cl. 139—242.)



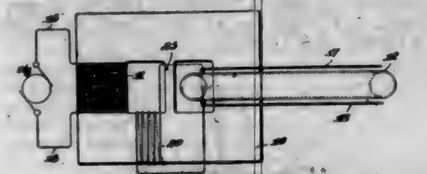
1. In a loom, in combination, a transferrer, an actuating device therefor having a regularly repeated operative movement, a normally inoperative connector between said transferrer and said operative device, and means to move said connector to operative position upon indication of substantial exhaustion of weft on the active weft carrier.

1,534,250. TIRE-MAKING APPARATUS. FLORAIN J. SHOOK, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed May 10, 1920. Serial No. 380,208. 8 Claims. (Cl. 154—10.)



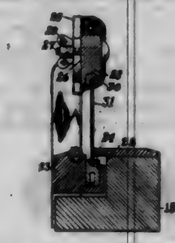
1. In tire-making apparatus, the combination with a rotatable tire-forming core of a fabric-shaping wheel, a pivoted arm constituting a mounting for said wheel, yielding means for urging said arm about its pivot, a mounting for said pivoted arm, and means for adjusting said mounting from and toward the axis of the core to swing said arm in a direction parallel with the plane of the core to vary the action of said yielding means.

1,534,251. ELECTRIC LIGHT. CHARLES G. SMITH, Cambridge, Mass. Filed Jan. 28, 1918. Serial No. 214,175. 1 Claim. (Cl. 176—122.)



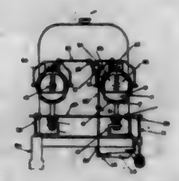
An apparatus for producing light comprising a transformer having a high voltage primary winding, and a secondary consisting of an hermetically sealed torus of transparent insulating material containing a gas adapted to be rendered luminous by electro-magnetic induction when the primary winding is energized, and means for starting the flow of current through the gas consisting of electrodes arranged entirely outside but close to the torus, and connections from the transformer to the electrodes for impressing a voltage between the electrodes sufficient to initiate ionization of the gas without causing actual electrical discharge or breakdown therethrough.

1,534,252. REED HOLDER. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1924. Serial No. 691,930. 9 Claims. (Cl. 139—188.)



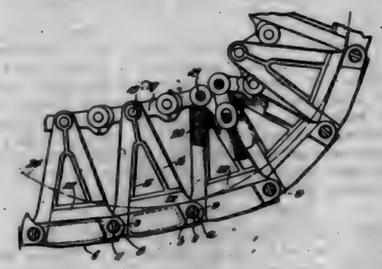
1. In a loom, a lay, a reed, and a reed holder located on the lay, said holder having slots of unequal depth formed therein to receive the bottom of the reed, said holder being capable of assuming a plurality of positions on said lay to locate the bottom of the reed at a plurality of levels with respect to the lay.

1,534,253. VEHICLE HEADLIGHT. JOSEPH HENRY ANSON, South Porcupine, Ontario, Canada, assignor to Alfred Henry Reamsbottom, South Porcupine, Canada. Filed Oct. 30, 1924. Serial No. 746,826. 12 Claims. (Cl. 116—42.)



1. In vehicle headlights, a pair of headlights standing on supporting spindles, suitably journalled in rigid bearing brackets, a horizontal bar at the rear of said headlights and operatively connected thereto having a slot engaging a crank pin of a vertical shaft, said vertical shaft operatively connected to a rod gear of a steering mechanism, lenses in contrasting colors in each of said headlight and pivotally supported to close over the upper portion of the headlight, a rod gear operatively connecting said lenses to an operating member in the vehicle, and rotatable headlights connected to said rod gear and steering mechanism.

1,534,254. SHOE FOR TRACKLAYING VEHICLES. ISAAC H. ATHEY, Chicago, Ill., assignor to Athey Truss Wheel Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 21, 1922. Serial No. 595,905. 9 Claims. (Cl. 305—10.)

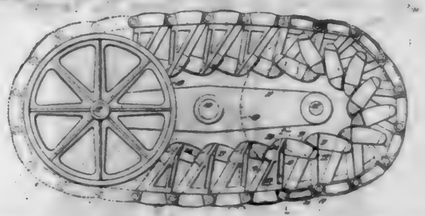


3. A unitary track-shoe comprising a tread member projecting bearing lugs which serve in connecting the shoe with other shoes, a truss structure bridging and reenforcing the connections between the tread member and the bearing lugs and adapted to co-operate with the truss structures of adjacent shoes to hold the track rigid under load, and a shoe-aligning plate bridged to the truss structure; the tread member, bearing lugs, truss structure and shoe-aligning plate being integrally formed.

1,534,255. VEHICLE. ISAAC H. ATHEY and ROBERT W. BAILY, Chicago, Ill., assignors to Athey Truss Wheel Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1923. Serial No. 616,393. 12 Claims. (Cl. 305—10.)

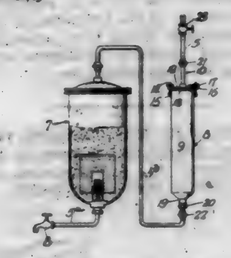
1. A track chain for a vehicle comprising a plurality of shoes, each of said shoes comprising a tread member, the adjacent edges of said tread members being pivotally connected, a truss arm extending inwardly from each end of one side of each of said tread members, a truss arm extending inwardly from each end of the opposite side of said tread member, and inclining toward said first named truss arms, resilient buffers

secured to the front and rear sides of said last named truss arms, and a truss link rigidly connected to the upper ends of the truss arms of each link and pro-



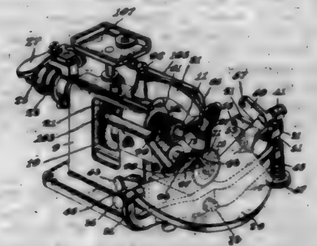
jecting between the inclined truss arms of the next adjacent shoe, said link having a head at its free end for engaging the buffer on one side of said inclined truss arms.

1,534,256. STERILIZING ATTACHMENT FOR WATER-SUPPLY PIPES. WALTER S. BACHMAN, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 544,982. 4 Claims. (Cl. 210—36.)



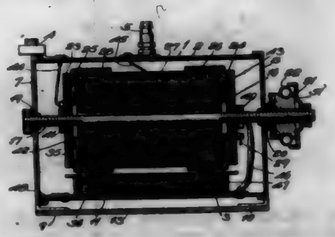
1. A sterilizing attachment adapted to be interposed in a water supply line, comprising a casing closed at both ends and adapted to contain a sterilizing agent, a pipe extending through said casing and through the closed ends thereof, which casing provides a closed chamber surrounding a part of said pipe, that part of said pipe between the closed ends of said casing having one or more holes therein, and a screen of porous material closing each of said holes.

1,534,257. HEEL-TRIMMING MACHINE. JAMES A. BROGAN, Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 21, 1922. Serial No. 569,800. 12 Claims. (Cl. 164—60.)



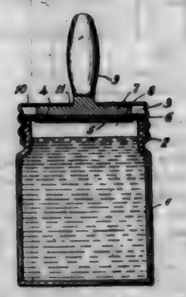
1. A machine for trimming a fin from a molded rubber heel or similar article having, in combination, a rotary disk cutter, a support over which the work may be presented to the cutter, means for rotating the cutter, and an idly-mounted, rotatable, thin-edged guard having its work-engaging portion extending in front of the cutter whereby a face of the article may be held against the guard and so fed as to cause the fin to be severed substantially flush with said face.

1,534,258. IGNITION COIL. CHARLES H. CAINE, Chicago, Ill., assignor to Brown & Caine, Inc., Chicago, Ill., a Corporation of Illinois. Filed Aug. 2, 1923. Serial No. 655,151. 13 Claims. (Cl. 175—357.)



1. In combination, a shell of insulating material, metal end caps closing said shell, said end caps having depending portions, a magnetic core having windings disposed within the shell, a bolt passing through the end caps and through the core and holding the same together in permanent relation, and a clamping base plate removably secured to said depending portions of the end caps.

1,534,259. POLISHING DEVICE. JOHN D. DEMPSEY, Olean, N. Y. Filed Jan. 16, 1923. Serial No. 612,890. 4 Claims. (Cl. 91—67.2.)



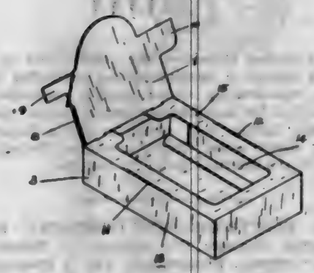
1. A polishing device comprising a wide mouthed container, a perforate cover therefor through which the polish is dispensed, a polishing tool having a relatively impermeable body with a polishing surface on the bottom thereof and adapted to engage the upper surface of the perforate cover to effectively seal the same, and a second cover for holding the polishing tool in engagement with the perforate cover when not in use.

1,534,260. VALVE. HARRY FELDBUSH and HERMAN MILLER, Cincinnati, Ohio, assignors to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 5, 1922. Serial No. 572,861. 4 Claims. (Cl. 251—119.)



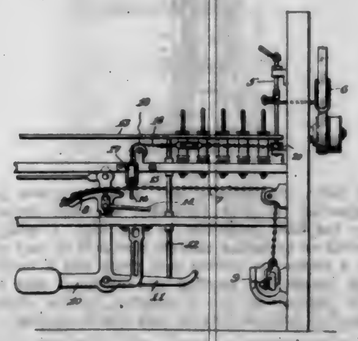
1. The combination with a valve seat having one or more ports, of a plurality of thin elastic valve plates arranged in superposed relation to each other over said port or ports and mounted to bend uniformly in functioning.

1,534,261. CARTON. HENRY FORSTE, Cincinnati, Ohio, assignor to The United States Printing and Lithographing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 3, 1922. Serial No. 592,157. 3 Claims. (Cl. 206—44.)



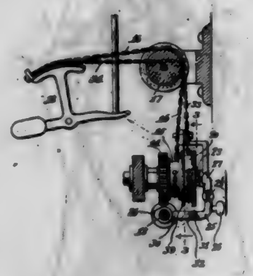
1. The combination with a carton of the class described having sides and a lid adapted to act as a complete closure for the carton when in box formation and being also foldable to expose parts of its outer surface for display purposes, the carton being provided with openings at the upper edges of the sides, and lugs carried by the lid extending on opposite sides of the line of fold of the lid and bendable upon the lid to enter the openings at the tops of the sides.

1,534,262. SPINNING-FRAME STOPPING MECHANISM. ROBERT W. GOSSETT, Spartanburg, S. C., assignor to Manufacturers' Equipment Company, Spartanburg, S. C., a Corporation of South Carolina and North Carolina. Filed Apr. 8, 1924. Serial No. 705,070. 4 Claims. (Cl. 118—6.)



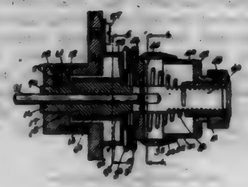
1. In a stopping mechanism for power-driven spinning-frames, devices for cutting off the power, a builder mechanism and means actuated thereby on the power stroke of one of its elements for positively and directly actuating the power cut-off devices.

1,534,263. BUILDER MECHANISM. ROBERT W. GOSSETT, Spartanburg, S. C., assignor to Manufacturers' Equipment Company, Spartanburg, S. C., a Corporation of South Carolina and North Carolina. Filed Apr. 17, 1924. Serial No. 707,129. 9 Claims. (Cl. 242—43.7.)



1. In a builder mechanism for spinning-frames, a chain-pulley carrying a half-pulley, said half-pulley being rotatively mounted on said pulley, and means for locking the half-pulley in each of its adjusted positions against rotation in either direction.

1,534,264. TENSION DEVICE FOR SEWING MACHINES. RODNEY L. HANSON, Dayton, Ohio, assignor, by mesne assignments, to National Sewing Machine Company, Belvidere, Ill. Filed Jan. 4, 1923. Serial No. 610,645. 4 Claims. (Cl. 242—150.)

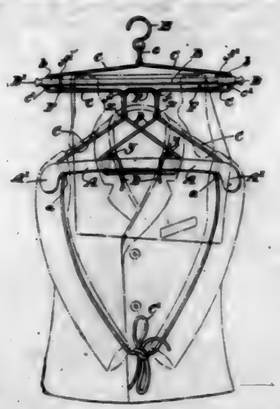


1. A tension device, for sewing machines and the like, comprising a stud; a thread take up spring surrounding said stud, a cooperating adjustment disc mounted upon said stud and enclosing the said take up spring; cooperating tension discs loosely mounted upon said stud, one of which seats against said adjustment disc; a sleeve mounted on said stud and seating against the other of said tension discs, a nut adjustably positioned on the stud, said nut having a circular flange constructed to extend into the said sleeve, and a spring surrounding the stud and positioned within the said sleeve and the circular flange of the nut, the one end bearing against the sleeve and the other end against the nut, and tension indicating marks on the flange of the adjustable nut.

1,534,265. GARMENT HANGER. WILLIAM HENRY HARRISON, Philadelphia, Pa. Filed Feb. 9, 1924. Serial No. 691,801. 5 Claims. (Cl. 211—18.)

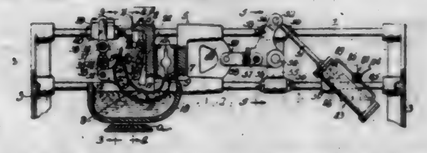
2. A garment hanger comprising upper and lower cross-pieces, cords connecting the two cross-pieces and hold-

ing them a suitable distance apart and which extend downwardly below the lower cross-piece to a greater



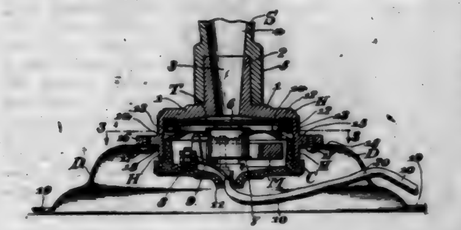
extent than the sleeve length of a coat and provide means for holding the sleeves of a coat in proper position for hanging or packing.

1,534,266. DIE-CASTING MACHINE. EDWARD HOTTER, Chicago, Ill. Filed Oct. 29, 1923. Serial No. 671,287. 17 Claims. (Cl. 22—69.)



1. In a casting machine, the combination of a support, a mold carried thereby and having an inlet opening, a container movably mounted on said support to supply the mold with molten metal and having a discharge nozzle to enter the inlet opening of said mold, means for moving said container to carry its nozzle into and out of said inlet opening, and means for adjusting the container to register its nozzle with inlet openings of molds of different sizes.

1,534,267. LOUD SPEAKER. ARTHUR ATWATER KENT, Ardmore, Pa. Original application filed May 1, 1924, Serial No. 710,240. Divided and this application filed Dec. 24, 1924. Serial No. 757,786. 10 Claims. (Cl. 179—179.)



1. An amplifying telephone comprising a telephone housing, a diaphragm supported thereln,,a second housing member, a telephone magnet system secured thereon, a base secured to said housing independently of said second housing member, and a horn separate from said base carried by said housing.

1,534,268. SPRING STRUCTURE AND METHOD OF ASSEMBLING SAME. WILLIAM H. KINNEY, Chicago, Ill., assignor to Kinney-Rome Company, Chicago, Ill., a Corporation. Filed Apr. 19, 1920. Serial No. 375,018. 3 Claims. (Cl. 5—269.)

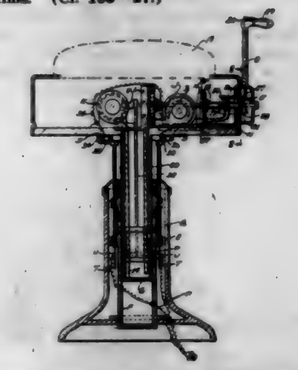


1. In a spring structure, the combination of an upholstering spring, a spacing spring extending laterally from the upholstering spring, and a connector which holds a coil of the upholstering spring against the end of the spacing spring, said connector being formed with vertically spaced arms having apertures through which the end of the spacing spring is inserted.

1,534,269. ELECTRODE-JOINT COMPOUND. BETHUNE G. KLUGH, Chicago, Ill., assignor to Federal Phosphorus Company, Birmingham, Ala., a Corporation of Alabama. Original application filed Nov. 8, 1920, Serial No. 421,944. Divided and this application filed Apr. 17, 1922. Serial No. 553,976. 5 Claims. (Cl. 204—64.)

1. An electrode joint compound, composed of carbonaceous material, and a binder intimately mixed and of a character to become softened and brought into contact with a hot electrode in service to insure the necessary fluidity to completely fill all voids in the joint between the hot electrode section and the section to be joined thereto.

1,534,270. BARBER'S CHAIR. WALTER F. KOKEN, St. Louis, Mo. Filed Mar. 3, 1923. Serial No. 622,518. 10 Claims. (Cl. 155—27.)

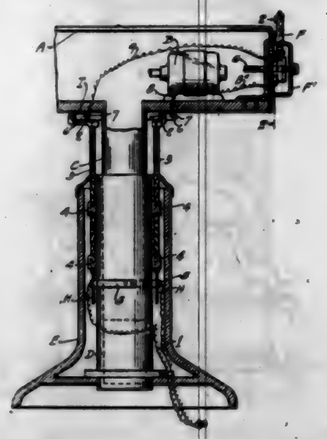


1. A chair, comprising a seat, a back, a piston device for adjusting the seat vertically, a piston device for moving the back relatively to the seat, a pump for circulating an operating medium that acts on said piston device, a motor for driving said pump and a manually-operable means for starting and stopping said motor and for controlling the circulation of the operating medium that acts on both of said piston devices.

1,534,271. ELECTRICALLY-OPERATED BARBER CHAIR. WALTER F. KOKEN, St. Louis, Mo. Filed Mar. 3, 1923. Serial No. 622,520. 6 Claims. (Cl. 155—27.)

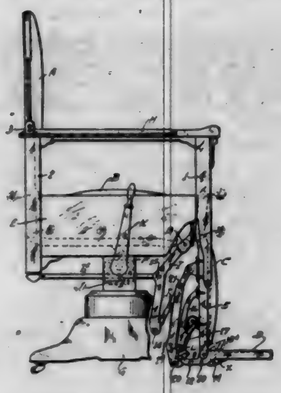
1. A barber's chair or the like, comprising a standard or base provided with guides, a vertically-adjustable stem revolvably mounted in said standard, a seat frame rigidly connected to said stem, contacts in said standard

to which a supply circuit is connected, conductor bars slidingly mounted in the guides on said standard and arranged in sliding engagement with said contacts, a collector ring rigidly connected to said seat frame and provided with separate portions to which the opposite



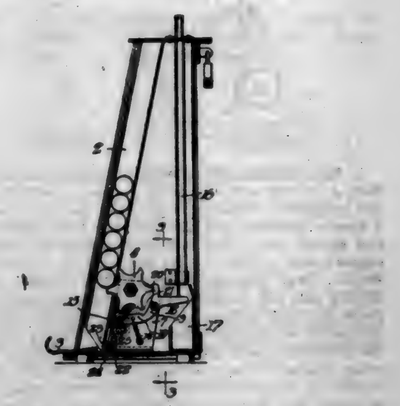
sides of an electric circuit are connected, and co-operating means on the separate portions of said ring and on the respective conductor bars that maintain electrical connection between said bars and ring when the seat frame is adjusted vertically or is being revolved.

1,534,272. FOOT-REST-OPERATING MECHANISM FOR RECLINING CHAIRS. WALTER F. KOKEN, St. Louis, Mo. Filed Dec. 14, 1923. Serial No. 680,722. 13 Claims. (Cl. 155—171.)



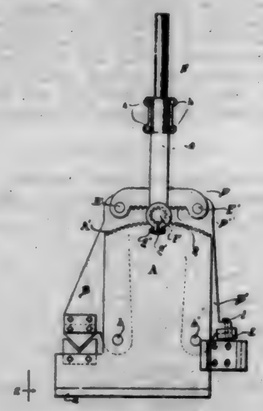
1. A chair provided with an adjustable apron that is adapted to be moved from a vertical position into a horizontal position and vice versa, an adjustable foot rest combined with said apron, means for holding the foot rest rigid and in a position at substantially right angles to the apron when the apron is disposed vertically and during the first portion of the upward movement of the apron, and an independent means that assists in holding the foot rest in rigid longitudinal alignment with the apron when the apron is disposed horizontally, said independent means causing the foot rest to turn into angular relationship with the apron during the downward movement of the apron.

1,534,273. VENDING MACHINE. JOHN F. KREMA, Chicago, Ill., assignor to Ode D. Jennings, Chicago, Ill. Filed May 16, 1923. Serial No. 639,252. 4 Claims. (Cl. 194—25.)



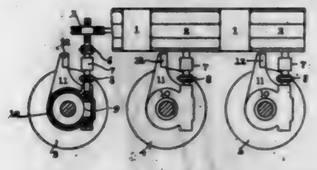
1. In a vending machine, the combination of a magazine for articles to be dispensed, a star wheel projecting into the magazine for controlling the discharge of articles therefrom, a coin controlled escapement mechanism normally operable to advance the star wheel one step for each coin of a certain denomination that is inserted in the machine and operable at predetermined intervals by a single coin of the same denomination to effect a two step advance of the star wheel.

1,534,274. ANGLE-IRON CUTTER. NIC KRUMP, Chicago, Ill. Filed Jan. 18, 1923. Serial No. 613,888. 2 Claims. (Cl. 74—14.)



1. Pivotally mounted levers, geared racks mounted on pivots on the upper ends of said levers, in combination with rigidly mounted gear teeth in spaced relation to the path of travel of the teeth of said racks, a gear pinion positioned between said rigidly mounted gear teeth and the gear teeth of said racks and means to turn said pinion.

1,534,275. TURBINE-DRIVEN CAR AND LOCOMOTIVE. WARD LEATHERS, Haworth, N. J. Filed Sept. 2, 1920. Serial No. 407,798. 3 Claims. (Cl. 105—38.)



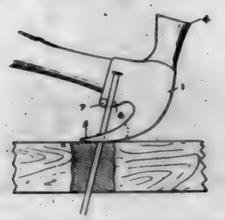
1. In a turbine driven vehicle a rigid member, a turbine, a driving axle, a gearing system, a vertical, flexible and extensible connecting member, a gearing housing and a torsion member, said rigid member being located above and spaced away from said driving axle and adapted to support said turbine and the first gearing of said gearing system, said gearing housing being located on said driving axle and adapted to enclose and support the final gearing of said gearing system, said vertical, flexible and extensible connecting member being adapted to connect the gearings of said gearing system, said torsion member being attached to said gearing housing and provided with a guide on its outer extremity, said turbine being adapted to drive said driving axle through said gearing system and said vertical, flexible and extensible connecting member.

1,534,276. WINDSHIELD WIPER. CHARLES R. LOCKLIN, Detroit, Mich. Filed Mar. 26, 1921. Serial No. 456,028. 6 Claims. (Cl. 74—14.)



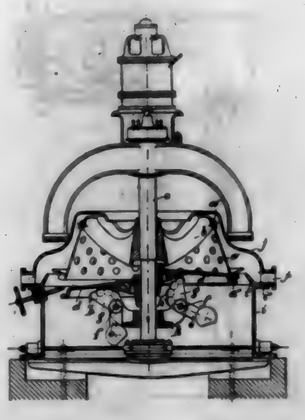
1. In mechanical power transmission for driven instruments mounted upon vehicles, the combination with a vehicle provided with a transmission, a flexible speedometer shaft connected with said transmission, a motion translating device insertable as a unit in said speedometer shaft line to translate the rotating motion into reciprocating motion, and a linear push and pull member for conveying the reciprocating motion to a remote point for doing work.

1,534,277. CLAW-HAMMER NAIL PULLER. CARL N. LOVEN, Oakland, Calif. Filed Dec. 11, 1923. Serial No. 679,930. 1 Claim. (Cl. 254—26.)



A claw hammer comprising a body portion having a bifurcated claw, a downward projection on the body portion above said claw and laterally extending portions on opposite sides of said projection, which portions together with the claw are adapted to engage with nails to provide for extraction thereof.

1,534,278. HYDRO-EXTRACTOR. CHARLES LUMPF, Lyon, France. Filed Feb. 25, 1921. Serial No. 447,659. 1 Claim. (Cl. 210—74.)



A centrifugal drying machine, comprising, in combination, a rotatable shaft, a basket secured to said shaft for rotation therewith and having a bottom slidable on said shaft, a pair of bell-crank levers carried by said shaft, one arm of each said levers forming a cam member supporting said bottom and the other arm having a counterweight adapted to swing the lever on its pivot thereby to cause said bottom to slide into and out of contact with said basket, the action of said counterweights being controlled by the speed of rotation of the shaft.

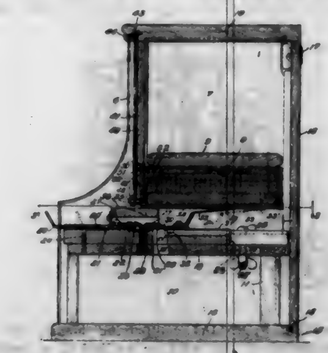
1,534,279. ILLUMINATED INSTRUMENT. FLOYD J. METZGER, New York, N. Y., assignor to Air Reduction Company, Incorporated, a Corporation of New York. Filed May 23, 1922. Serial No. 562,938. 8 Claims. (Cl. 240—2.)



1. A measuring instrument having an enclosed space, the length of which varies with the conditions which the instrument is adapted to measure, and means for defining the length of the space by causing an electrical discharge therethrough.

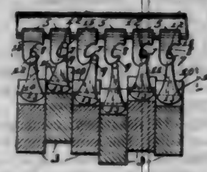
1,534,280. CARD-VENDING MACHINE. JOHN F. MEYER, Chicago, Ill. Filed July 14, 1921. Serial No. 484,554. 4 Claims. (Cl. 194—1.)

4. In a vending machine, a coin compartment, a second compartment, vending mechanism in said second compartment, means for securing said vending mechanism to said coin compartment, said securing means being controlled from within said coin compartment, a door to



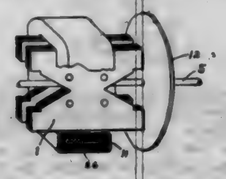
close said coin compartment and a second door covering said first named door and closing said second compartment.

1,534,281. ARCH FOR BOILER FURNACES. CHARLES N. MORGAN, Albany, and ANDREW L. KEELER, Troy, N. Y. Filed Apr. 13, 1923. Serial No. 631,935. 9 Claims. (Cl. 110—99.)



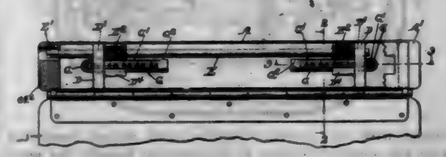
1. In a furnace having an arch, the combination with a support; of a hanger depending from said support said hanger having on its lower end a laterally open hook and having an inclined surface extending above and outwardly beyond the opening to the hook; an arch-block provided in its upper side with an undercut opening; a link detachably connecting said block with said hanger, said link having on its upper end a member engageable with the hook of the hanger, the upper end of said link being engageable with said inclined surface on the hanger, said link being rockably engageable with said opening in the block and having a member engageable with the undercut portion of said opening.

1,534,282. ELECTRIC MOTOR. GRANVILLE F. PACKARD, Wilkinsburg, Pa. Filed Oct. 20, 1920. Serial No. 418,200. 19 Claims. (Cl. 172—278.)



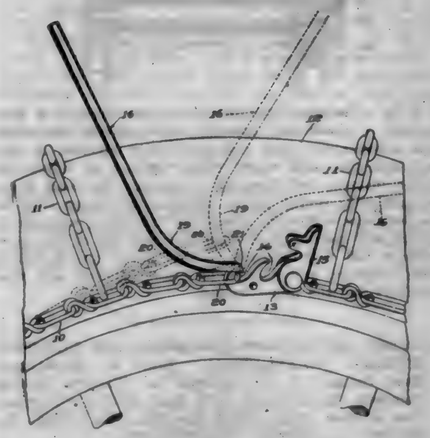
1. An alternating-current motor comprising a magnetizable core member having a series of longitudinal polar projections, a revoluble shaft, a closed secondary member surrounding alternate polar projections, a plate of conducting material secured to said shaft and arranged in inductive relation to said polar projections, and an energizing coil surrounding said magnetic structure and said shaft.

1,534,283. FLEXIBLE-POST BINDER. LESLIE M. PARKER, Evanston, Ill. Filed July 31, 1922. Serial No. 578,577. 21 Claims. (Cl. 129—41.)



1. In a loose leaf binder a pair of covers and means for drawing them together, including a flexible member of generally circular cross section and means for gripping it intermediate its ends and for moving it in and out, said flexible member being formed of substantially inflexible material.

1,534,284. TIRE-CHAIN TOOL. ALPHONSE J. PELLETIER, Greenville, N. H. Filed Dec. 5, 1923. Serial No. 678,651. 2 Claims. (Cl. 254—78.)

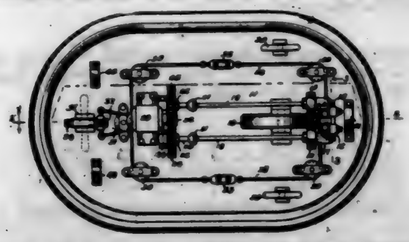


1. A non-skid tire chain applying tool formed of a bar having a shank adapted to be grasped by the hand and having a pocket adjacent its inner end to receive the free end of the hook of a non-skid chain, and a lip at the inner end of the bar to engage said hook and holder bar upon the hook with the latter projecting into the pocket, said bar having its inner end portion disposed at a substantial angle to the shank and connected to the shank by a curved portion bowed toward the portion of the chain it engages and the concave surface of which is adapted to engage a link of a chain and to guide the link into engagement with the hook as the bar is moved in the chain tightening direction.

1,534,286. AMUSEMENT APPARATUS. HENRY ELMER RIEBEL, Brooklyn, N. Y. Filed June 2, 1923. Serial No. 643,042. 5 Claims. (Cl. 180—21.)

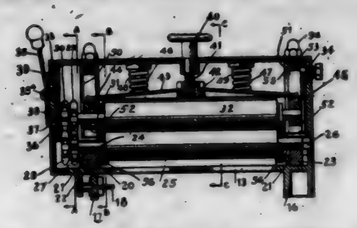
5. In a vehicle having a traction wheel, an arm pivoted at one end and extending outwardly relatively to the traction wheel, a bearing at the other end of the

arm, a shaft in the bearing, a disc on the shaft for engaging the traction wheel, a steering column movable relatively to the body of the vehicle, steering means con-



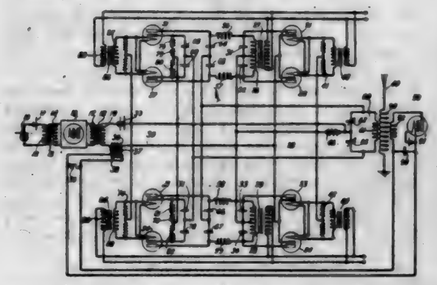
nected with the steering column, and means connected with the steering column to be operated thereby for moving the said other end of the pivoted arm inwardly.

1,534,286. SAFETY WRINGER MECHANISM. EDWIN C. ROCKE, Bloomington, Ill. Filed Dec. 19, 1921. Serial No. 523,253. 3 Claims. (Cl. 68—32.)



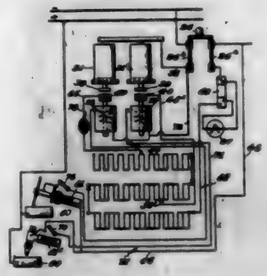
1. In a wringer mechanism, in combination, a base portion, a lower roll therein, and upwardly projecting end members, an upper casing pivotally mounted on said end members, said upper casing having an adjustable upper wringer roll, bearing blocks for the said upper wringer roll, spring plates abutting the upper sides of the bearings, adjustable means for tensioning said spring plates, and means for positioning either end of the upper wringer roll with relation to said lower roll, including yoke members, and adjustable means between said yoke members and the upper casing.

1,534,287. METHOD OF AND MEANS FOR ELECTRIC ENERGY TRANSLATION. JOHN C. SCHELLENG, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1923. Serial No. 681,920. 14 Claims. (Cl. 179—171.)



12. The method of preventing undesired modulation in waves produced by a modulated wave producing device which comprises utilizing a portion of the output of modulated wave energy to effect a correcting action by operating upon the power supply source of said device.

1,534,288. GRID-RESISTANCE PANEL FOR ELECTRIC WELDING APPARATUS. ANDREW SMITH, San Mateo, Calif. Filed June 14, 1921. Serial No. 477,417. 5 Claims. (Cl. 219—8.)



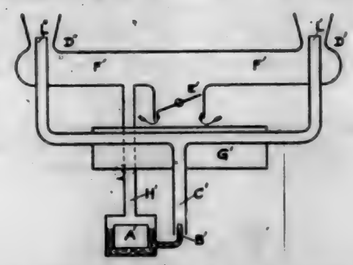
4. Arc-welding apparatus comprising means for preheating the metal at the weld by an arc of a predetermined amperage, means for effecting the weld by an arc of lower amperage, and means for breaking the circuit of the welding arc including means for automatically reducing the amperage just prior to the breaking of the arc.

1,534,289. PROCESS OF AND COMPOSITION OF MATTER FOR KILLING PLANTS. EUGENE TEPPET, Grenoble, France, assignor to the Firm of Albert Charpillos, Bevilard, Switzerland. Filed Oct. 16, 1922. Serial No. 594,995. 6 Claims. (Cl. 167—9.)

1. A process of destroying weeds by subjecting the same to contact with a herbicide containing a chlorate which is non-corrosive of metal, non-toxic to animals and toxic to weeds; and in thereby causing the weeds to absorb the thereto toxic chlorate.

4. The hereinbefore described composition of matter for use as a weed killer, the same comprising an aqueous solution of sodium chlorate forming a sprayable liquid non-poisonous to animals and non-corrosive of metal, the said sodium chlorate being in an amount to have a toxic effect on growing plants, and being a herbicide when in contact with weeds.

1,534,290. VAPORIZER. STANLEY M. UDALE, Detroit, Mich. Filed Mar. 14, 1921, Serial No. 452,053. Renewed June 9, 1924. 3 Claims. (Cl. 123—122.)



1. In a vaporizer for supplying fuel to internal combustion engines, the combination of a fuel receptacle and a fuel nozzle connected thereto, means for mixing air with the fuel at said nozzle, an exhaust passage for the engine, an intake manifold for the engine having discharge openings and an air inlet, a throttle valve in said air inlet, and a fuel passage leading from the fuel nozzle through the exhaust passage and then forking, one branch extending to each discharge opening of the intake manifold.

1,534,291. ELEVATOR SAFETY APPLIANCE. DANIEL ARMS MACASKILL, Brooklyn, N. Y., assignor of one-half to Lawrence Cunningham, Brooklyn, N. Y. Filed Jan. 9, 1924. Serial No. 685,227. 8 Claims. (Cl. 187—39.)

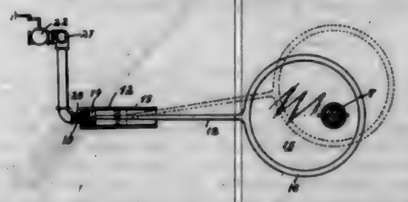


8. A safety appliance for elevators comprising an element adapted to be swung into gripping engagement with the safety control cable of the elevator car, a lever adapted to engage said gripping element to move the same toward gripping position, a solenoid, the core of which is adapted to engage said lever and cause the same to move the gripping element, an electric circuit including said solenoid, and manually operable means controllable from the elevator car to close said circuit to energize the solenoid.

1,534,292. ART OF COLOR PRINTING. JAY O. BALL, New York, N. Y., assignor to Sidney Blumenthal & Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 23, 1922. Serial No. 596,522. 2 Claims. (Cl. 101—211.)

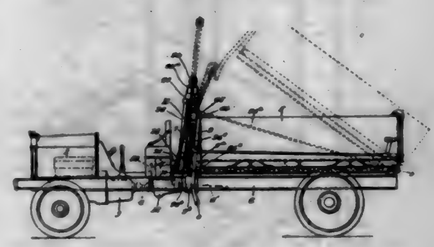
1. In the art of color printing, the method of producing color printing plates comprising, making one or more original color printing plates, making one or more duplicate color printing plates by the molding process from one or more of the original color printing plates, and removing the desired portions of the printing surfaces of said color printing plates to a greater or lesser extent some areas being entirely removed and removing other areas to a lesser degree to print over the impression of another plate or plates.

1,534,293. BRAKING MECHANISM. ROY BANCROFT, Oakland, Calif., assignor of one-half to John P. Gallaghan, Oakland, Calif. Filed Sept. 13, 1923. Serial No. 662,417. 7 Claims. (Cl. 188—99.)



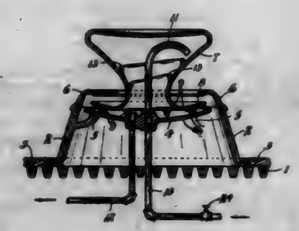
1. Braking mechanism comprising in combination with a pair of rotatable members adapted for variable relative speeds, independent fluid-pressure-generating means operated by each of said members, a common discharge chamber associated with said generating means, and means for controlling the discharge of the fluid from said chamber.

1,534,294. DUMP-TRUCK HOISTING MECHANISM. PERCY E. BARKER, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 27, 1921. Serial No. 496,116. 19 Claims. (Cl. 298—21.)



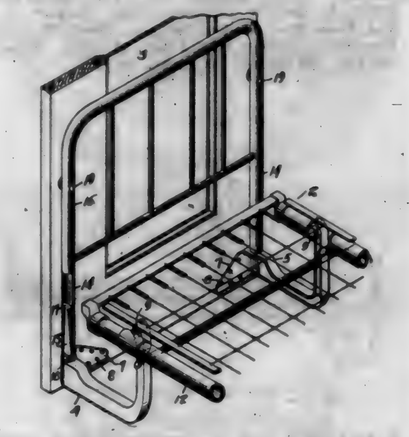
1. In a dump truck, the combination of a chassis, a truck body mounted thereon and capable of raising and lowering movement, a cable having its ends secured to fixed parts of said chassis and truck body respectively, a sheave about which said cable extends, a support for said sheave, guide means for said sheave extending upwardly from the body end of said cable, and means for projecting said support bodily so as to move said sheave along said guide means.

1,534,295. LIQUID-FUEL BURNER. LORN CAMPBELL, Jr., Minneapolis, Minn., assignor to United States Welding Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Dec. 13, 1922. Serial No. 606,618. 10 Claims. (Cl. 158—64.)



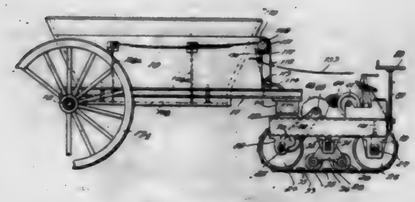
10. An oil burner having in combination, an upper portion including an upwardly flaring hollow head having a constricted zone at its lower end and a dish-shaped plate therebeneath, a fuel supply means extending upwardly into said head and adapted to deliver oil to the inner wall of said head, a casing surrounding said plate and lower part of said head having an upper inturned flange spaced slightly from the edge of said plate, said first mentioned portion also including a plurality of passages communicating with said zone and leading to adjacent the edge of said plate, whereby air may rise in said casing and mix with vaporized fuel issuing from said passages.

1,534,296. FOLDABLE-BED-SUPPORTING MEANS. GORDON F. CANE, Oakland, Calif., assignor to American Automatic Lock and Lift Company, San Francisco, Calif., a Corporation of California. Filed Jan. 18, 1922. Serial No. 530,169. 2 Claims. (Cl. 5—162.)



1. In a bed movable as a whole in a horizontal plane, a pair of brackets adapted to be fixed to a movable panel or the like and arranged to lie at the sides of the bed, a bed-frame pivotally supported on said brackets for movement in a vertical plane, upwardly extending studs formed on said brackets, a head-frame comprising a tubular member having vertical side posts open at their lower extremities whereby said studs may be inserted within said posts, and means adjacent the upper extremities of said posts for attaching said head-board to said panel.

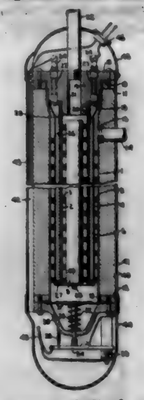
1,534,297. TRACTOR VEHICLE. LE GRAND G. CAREY, Cleveland, Ohio. Filed Dec. 22, 1921. Serial No. 524,230. 8 Claims. (Cl. 298—35.)



1. The combination with a load carrying body having dumping doors, of a tractor supporting the forward end of the body, a pivotal connection between the body and the tractor, means for propelling the tractor, and mechanism actuated by said means for closing said dumping doors, said mechanism including a flexible connection extending from the vehicle body to the tractor and passing through the pivotal connection between the body and the tractor.

1,534,298. WATER-HEATING DEVICE. WARREN FRANKLIN CLARK, Cleveland, Ohio. Filed July 14, 1921. Serial No. 484,801. 8 Claims. (Cl. 219—39.)

1. In a liquid heating device, in combination, a sheet metal tube having its wall corrugated in a helical manner to produce an integral rib, a cylindrical metal tube removably seated against such ribs and defining with



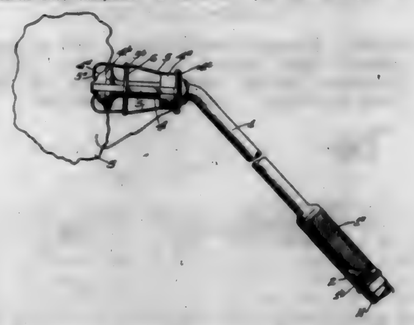
the first tube a narrow helical passageway, and an electric heating unit closely fitting the wall of one of said tubes.

1,534,299. CORRUGATION-FORMING DIE FOR METAL PLATES. WILLIAM M. CONNERY, Philadelphia, Pa. Filed Dec. 21, 1921, Serial No. 523,921. Renewed July 17, 1924. 20 Claims. (Cl. 153—76.)



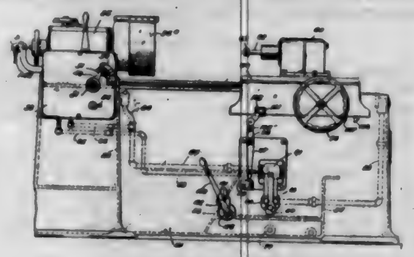
1. A pair of corrugation forming dies having their adjacent cooperative faces provided with interengaging corrugation forming means, the corrugation forming means of one of the dies being cut away to receive the varying thicknesses of plate metal during the formation of a corrugation therein.

1,534,300. SPONGE-HOLDING APPARATUS. FERMOR N. COLTRANE, Long Beach, Calif. Filed Mar. 13, 1924. Serial No. 698,938. 3 Claims. (Cl. 15—130.)



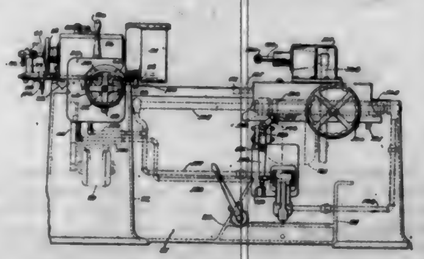
1. In a sponge holding apparatus, a long rigid tubular handle member, a nozzle member provided with an enlarged outer discharge end and detachably secured to one end of said handle, a plurality of flexible retaining members, each having one of its ends mounted at the inner end of said nozzle member and provided at their opposite ends with hook portions adapted to extend partially over the enlarged outer end of said nozzle member and a clamping ring slidably positioned around said retaining members and engaging the outer surfaces only of said members for yieldably drawing the same into sponge clamping position.

1,534,301. GRINDING MACHINE. PRENTICE CONRADSON, Evansville, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1923. Serial No. 619,122. 11 Claims. (Cl. 51—95.)



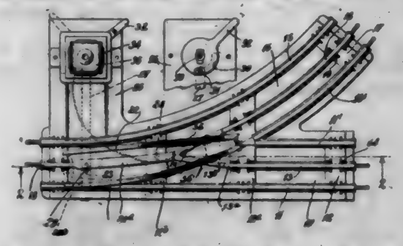
2. A grinding machine having, in combination, a slidably mounted carriage, pressure fluid means for reciprocating said carriage including a control valve, a lever for operating said valve, and a stop on said carriage arranged to engage said lever and move said valve to neutral position to discontinue the movement of said carriage.

1,534,302. GRINDING MACHINE. PRENTICE CONRADSON, Evansville, and HERBERT E. KEMPTON and KEITH F. GALLIMORE, Fond du Lac, Wis., assignors to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Feb. 23, 1923. Serial No. 620,604. 32 Claims. (Cl. 51—50.)



1. A grinding machine having, in combination, a base, two spindle carriages mounted to move in horizontal planes at an angle to each other, means for feeding one of said carriages, hydraulic mechanism for actuating said feeding means and for reciprocating the other carriage, a gage arranged to enter the bore of the work which is mounted on one carriage, and means automatically operable upon such entry of the gage to stop said feeding means and cause said hydraulic mechanism to move said other carriage from its grinding to an idle position.

1,534,303. TOY TRAIN TRACK. JOSHUA L. COWEN, New York, N. Y., assignor to The Lionel Corporation, a Corporation of New York. Filed Mar. 21, 1923. Serial No. 626,683. 8 Claims. (Cl. 246—419.)



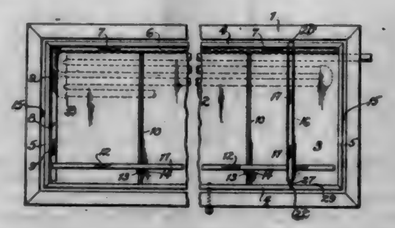
1. In a toy electric railroad having a main track including a "third rail" and a branch track including a "third rail," switch tongues for guiding the toy train from one to the other of said tracks, and insulators secured to said switch tongues on the sides thereof adjacent said "third rails."

1,534,304. METHOD OF PRODUCING DESIGNS IN PILE FABRICS. SAMUEL E. CREASEY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 735,195. 2 Claims. (Cl. 8—5.)



2. A method of ornamenting fabrics comprising yarn dyeing the threads with permanent and dischargeable dyes, discharging the dischargeable dyes in areas corresponding with the ornamentation to be produced, and printing a design over the prepared surface of said fabric.

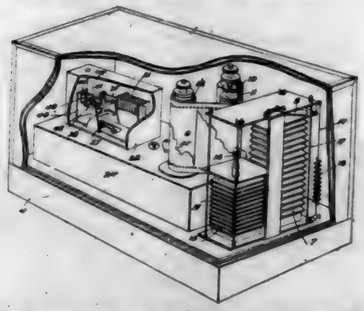
1,534,305. ANCHORING BAR FOR CURTAIN STRETCHERS. EVERETT F. DAILEY, St. Louis, Mo., assignor to Merchants Chemical Company, St. Louis, Mo., a Corporation of Illinois. Filed Jan. 5, 1923. Serial No. 610,819. 3 Claims. (Cl. 45—24.)



1. In combination with a curtain-stretcher frame having parallel side bars provided with a series of openings, means for anchoring the terminal end of a curtain, comprising a bar having a pair of pins at one end for engaging in the openings of one bar, and a pin at its opposite end for engaging in the openings of the other bar, resilient means at one end of the bar against the

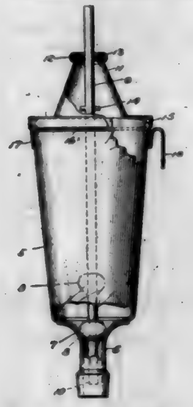
resistance of which the said pair of pins are inserted into their openings after the said single pin has been inserted in its opening, and means on the bar for engaging the terminal end of the curtain to hold it in a stretched condition.

1,534,306. BAROGRAPH. GEORGE DE BOTHEZAT and IVAN I. EBERMEFF, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,515. 4 Claims. (Cl. 234—20.)



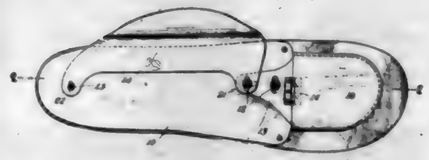
1. In a barograph, an air-tight casing, a movable record sheet, a motor to actuate the record sheet, a bellows in said casing interiorly open to the atmosphere and adapted to contract under decreased pressure, another bellows in said casing interiorly open to the atmosphere and adapted to expand under increased pressure, recording styluses arranged to be actuated by both of said bellows, a motor-controlling bellows in said casing also interiorly open to the atmosphere and adapted at a predetermined pressure to stop the motor, and a valve for admitting atmospheric pressure to said casing controlled by the motor-controlling bellows.

1,534,307. SHAVING-CREAM DISPENSER. FRANK DE PALMA, Brooklyn, N. Y. Filed June 3, 1921. Serial No. 474,589. 1 Claim. (Cl. 221—94.)



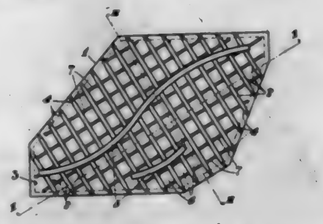
A dispenser for unctuous cosmetics, comprising a container having a depending and restricted neck and an open upper end, a centrally perforated frusto-conical cover for said container, a stem vertically reciprocative in said container and extending through the cover perforation, a yieldable packing member carried by said cover around said stem, means on said stem adapted to engage said packing member to limit upward movement of the stem, a valve on said stem inwardly of the lower end thereof to seat on the inner end of said neck, and a plunger in said neck below the valve, said plunger comprising the lower end of said stem.

1,534,308. ARCH SUPPORT. MARTIN DIETZ, Brooklyn, N. Y. Filed Feb. 27, 1924. Serial No. 695,421. 3 Claims. (Cl. 36—71.)



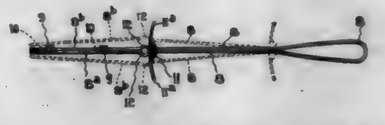
2. An arch support comprising a base plate, an attaching plate adjustably connected to the base plate at its forward end, a toe plate hinged to the attaching plate, cushions carried by the base and toe plates, and a flexible insole covering the base and toe plates.

1,534,309. METAL SOUND BOARD FOR PIANOS AND THE LIKE. FRIDOLF FRANKEL, Stockholm, Sweden. Filed Aug. 24, 1923. Serial No. 659,113. 4 Claims. (Cl. 84—196.)



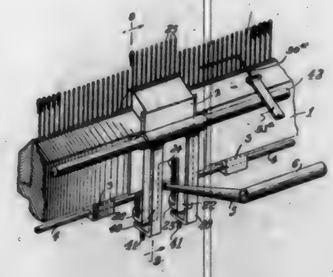
1. A metal sounding plate provided with bent-up ribs having approximately V-shaped cross section and projecting above the front side of the sounding plate, the portions of the plate between said ribs being contracted in relation to said ribs in a direction substantially parallel to said ribs.

1,534,310. HOLDER FOR STROPPING SAFETY-RAZOR BLADES. CHARLES F. GAUNT, Birmingham, England. Filed Sept. 21, 1922. Serial No. 589,714. 1 Claim. (Cl. 30—25.)



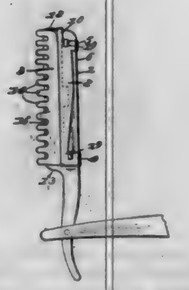
A holder for use in stropping safety razor blades consisting of a strip of metal bent back upon itself in the form of a pair of spring arms terminating in blade gripping ends of reduced width and of curved cross-section and having parallel side edges one of said ends having studs and the other openings registering with the studs, said arms at a point a slight distance from the looped end extending towards each other to provide a reduced portion and being inclined away from each other towards their free ends; and a ring encircling the arms and adapted to be located in position encircling the reduced portion when the arms are sprung apart and movable towards the free ends thereof for the purpose of springing the arms together; and projections upon the arms at the inner ends of their blade gripping portions, said projections limiting the movement of the ring towards the blade gripping ends, said ring being cruciform to provide laterally extending finger-holds.

1,534,311. KNITTING APPARATUS. RANDOLPH C. GEBBEN, East Elmhurst, N. Y. Filed Sept. 8, 1922. Serial No. 586,873. 3 Claims. (Cl. 66—30.)



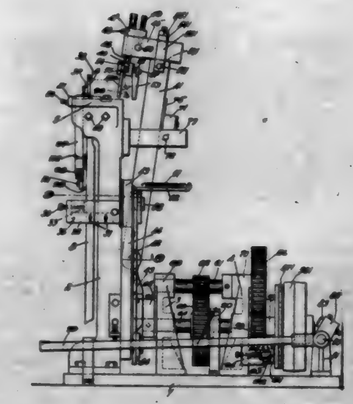
1. In a knitting machine, a needle bar having a part of its needle supporting side cut away to provide a reduced portion in said bar, a needle bar section located in said cut away part and adapted to seat against said reduced portion, a guide member engaging between said needle bar section and the needle bar permitting said section to slide relative to the needle bar substantially in the plane of the needles, and a stop member adapted to engage the needle bar section to hold the latter against reciprocation with the needle bar.

1,534,312. SAFETY ATTACHMENT FOR RAZORS. JESSE R. GOZA, Louisville, Miss. Filed July 22, 1921. Serial No. 486,823. 2 Claims. (Cl. 30—12.)



1. The combination with a straight razor blade, of a safety attachment including a comb portion adapted to engage one side of the blade and provided on one edge with teeth which project beyond the cutting edge of the blade and are curved outwardly away from said cutting edge, a lug arranged on the opposite edge of said portion, a curved resilient member engaging said lug and adapted to clamp the comb portion to the razor blade and having a plurality of integral hooks adapted to engage the rear edge of the razor blade and an additional integral hook to engage the edge of one end of the razor blade, the inherent resiliency of the resilient member causing the hooks to tightly engage the razor blade and the comb portion to frictionally engage the blade, and means integral with said portions for detachably securing the comb portion to the resilient member.

1,534,313. HEEL-BUILDING MACHINE. EDWIN HANSALPAKAR, Brockton, Mass., assignor to Brockton Heel Company, Inc., Brockton, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1920. Serial No. 405,131. 20 Claims. (Cl. 12—50.)



1. In a heel building machine, a support, a presser adapted to be moved both transversely of a previously assembled heel blank on said support and longitudinally of such heel blank so placed, and having jaws for centrally placing the lifts.

1,534,314. METHOD OF BENDING METAL. LEO I. HEINTS, Philadelphia, Pa., assignor to Heints Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 30, 1923. Serial No. 635,478. 1 Claim. (Cl. 153—32.)

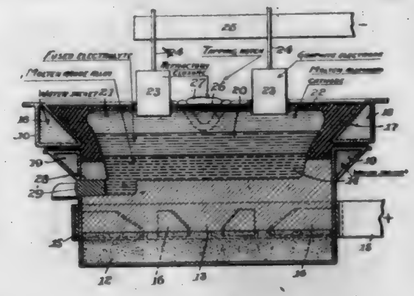


A method of the character described, which consists of bending a piece of sheet metal transversely about a flexible mandrel comprising flexibly connected rigid units to give said sheet a substantially closed, hollow, cross-sectional shape, and bending said shaped sheet and mandrel longitudinally to give said shaped sheet longitudinal curvature without altering its said hollow cross-sectional shape, and withdrawing said mandrel from said sheet so shaped without altering either its cross-sectional shape or its longitudinal curvature.

1,534,315. ELECTROLYTICALLY REFINED ALUMINUM AND ARTICLES MADE THEREFROM. WILLIAM HOOPES, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,282. 5 Claims. (Cl. 204—20.)

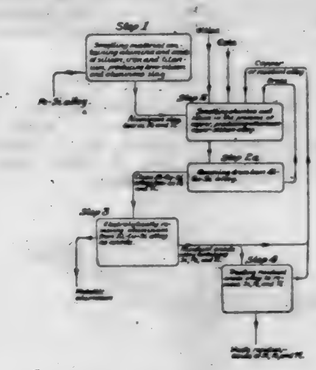
1. As a new commercial product, substantially pure electrolytically refined metallic aluminum, softer than

all other base metals except tin and lead, in ductility equal to copper and exceeding tin in tensile strength, having an aluminum content of at least 99.8 per cent,



and capable of being immersed in dilute hydrochloric acid for long periods of time without material corrosion thereby.

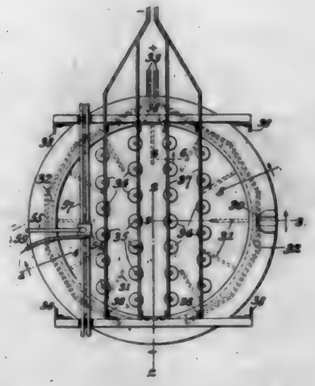
1,534,316. PRODUCTION OF METALLIC ALUMINUM FROM IMPURE MATERIALS. WILLIAM HOOPES, Pittsburgh, and FRANCIS C. FRARY and JUNIUS D. EDWARDS, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,283. 46 Claims. (Cl. 204—20.)



1. A process of producing metallic aluminum, comprising treating aluminous material to remove ingredients thereof objectionable in the subsequent refining operation and leave a highly aluminous residue; smelting said aluminous residue in the presence of added material desirable in the said refining operation, to produce aluminum alloy; treating said alloy for further removal of objectionable material; and refining the treated alloy in a molten state to recover aluminum in metallic form therefrom.

1,534,317. ELECTROLYTIC PRODUCTION OF ALUMINUM. WILLIAM HOOPES, Pittsburgh, and FRANCIS C. FRARY and JUNIUS D. EDWARDS, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,284. 49 Claims. (Cl. 204—20.)

1. In the refining of aluminum, the steps comprising electrolyzing a molten bath with a molten alloy as anode containing aluminum materially in excess of the amount required to maintain the alloy mobile at a temperature



too low to cause objectionable alteration of the bath, and depositing said excess aluminum in the molten state on a molten aluminum cathode in contact with said bath.

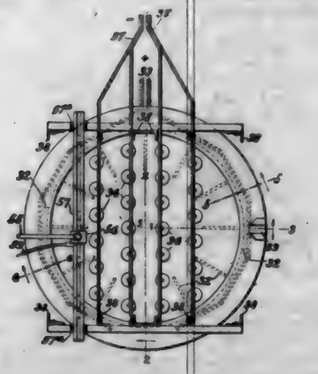
1,534,318. ELECTROLYTIC REFINING OF ALUMINUM. WILLIAM HOOPES, Pittsburgh, and FRANCIS C. FRARY and JUNIUS D. EDWARDS, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,285. 36 Claims. (Cl. 204—20.)



1. In the electrolytic refining of aluminum, the steps comprising establishing between a lower layer of molten metal containing aluminum, as anode, and an upper layer of molten aluminum as cathode, an intermediate layer of molten electrolyte of greater density than the molten aluminum and composed essentially of fluorids and substantially free from chlorid, and passing current from the anode metal through the electrolyte to the aluminum cathode whereby aluminum is removed from the anode metal and deposited in the molten state on the cathode.

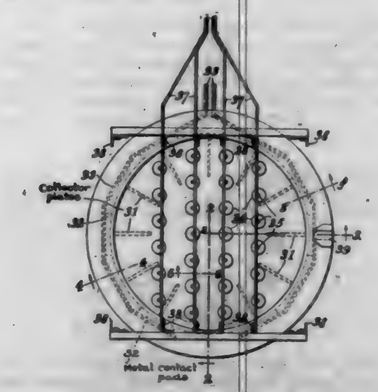
1,534,319. REFINING ALUMINUM ELECTROLYTICALLY WITH FUSED ELECTROLYTES. WILLIAM HOOPES, Pittsburgh, and FRANCIS C. FRARY, Oakmont, Pa., assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,286. 37 Claims. (Cl. 204—20.)

1. In the electrolytic refining of aluminum, the steps comprising electrolyzing a molten body of impure metal or alloy containing aluminum, as anode, with a superimposed fused bath containing aluminum fluorid, and



removing alumina from the bath as may be necessary to keep the bath unsaturated therewith.

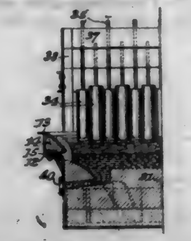
1,534,320. CELL FOR ELECTROLYTIC REFINING OR SEPARATING PROCESS. WILLIAM HOOPES, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,287. 49 Claims. (Cl. 204—20.)



1. An electrolytic refining cell having a metal shell divided horisontally into electrically neutral and electrically live upper and lower sections, and having a refractory insulating lining extending over the joint between the shell sections and into the upper section to insulate molten metal in the upper section from electrical connection therewith.

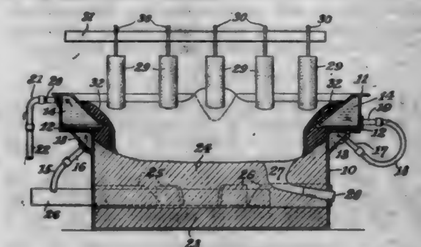
1,534,321. METHOD OF LINING CELLS FOR ELECTROLYTIC REFINING. WILLIAM HOOPES, Pittsburgh, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,288. 16 Claims. (Cl. 204—20.)

1. In the art of forming an electrically insulating lining in an electrolytic cell, the improvement comprising fusing by electrical energy in a metal shell and in contact with the shell surfaces to be lined, material having a suitable freezing point, and artificially cooling such surfaces to freeze thereon from the molten material



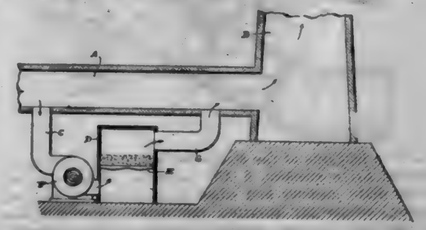
a closely adherent crust; while maintaining in electrically neutral condition a portion of the said shell surfaces above an electrically separated lower portion.

1,534,322. ELECTROLYTIC CELL AND METHOD OF LINING THE SAME. WILLIAM HOOPES, Pittsburgh, JUNIUS D. EDWARDS, Oakmont, Pa., and BASIL T. HORSFIELD, Badin, N. C., assignors to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 21, 1922. Serial No. 608,289. 24 Claims. (Cl. 204—20.)



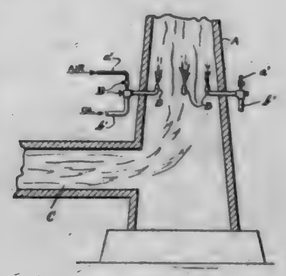
1. The process of producing a refractory insulating lining for an electrolytic cell, comprising freezing from a fused bath therein a lining containing the constituents of the bath in substantially different proportions from those in the liquid and substantially more refractory than a lining having the same composition as the liquid.

1,534,323. PROCESS OF AND APPARATUS FOR TREATING WASTE SMELTER GASES. WILLIAM H. HOWARD, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 7, 1922. Serial No. 599,510. 9 Claims. (Cl. 266—17.)



1. The process of treating waste metallurgical gases while being discharged from a metallurgical furnace, which consists in withdrawing gases from the discharge conduit of the furnace, subjecting such withdrawn gases to the action of a reducing agent, and then returning such gases to the discharge conduit of the furnace.

1,534,324. PROCESS OF DISCHARGING SMELTER GASES. WILLIAM H. HOWARD, Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 4, 1923. Serial No. 610,552. 2 Claims. (Cl. 266—17.)

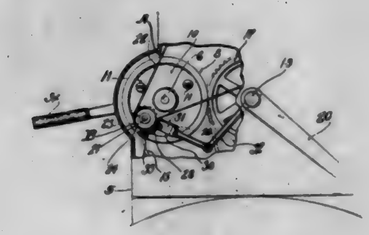


1. In an apparatus for discharging smelter gases high into the air to diffuse the obnoxious elements thereof before the same come into contact with vegetation, the combination with a stack or chimney, of a plurality of burners spaced around the interior of the stack or chimney and located a sufficient distance below the top of said stack or chimney to permit an increase in the velocity of the gases prior to their discharge.

1,534,325. LIQUID CONTACT INSECTICIDE. LESTER F. HOYT, East Aurora, N. Y., assignor to Larkin Co. Inc., Buffalo, N. Y. Filed Jan. 7, 1924. Serial No. 684,843. 6 Claims. (Cl. 167—6.)

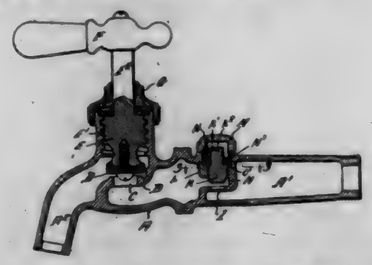
1. An insecticide in concentrated form which is the product formed when free nicotine is chemically combined with the fatty acids of vegetable oils to form a soap.

1,534,326. MOVING-PICTURE PROJECTOR. HOWARD E. HUSSEY, Milwaukee, Wis., assignor, by direct and mesne assignments, to Rotograph Motion Picture Machine Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 8, 1922. Serial No. 559,800. 6 Claims. (Cl. 88—17.)



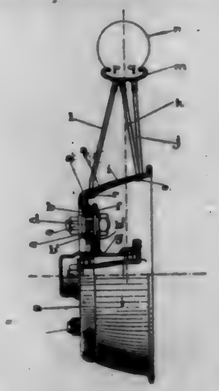
1. In a machine of the character described, a revolvably mounted drive member, a film engaging member carried by the drive member and offset with respect to the axis thereof, means for rotating the drive member, means for rotating the film engaging member in the direction of rotation of the drive member, the film engaging member intermittently feeding a film engaged therewith, and means for advancing or retarding the rotation of the film engaging member a desired degree with respect to the drive member to regulate the positioning of the film fed thereby.

1,534,327. COCK FOR FAUCETS WITH STOP VALVES. PETER R. RICHARDS, Cleveland, Ohio, assignor to The Republic Brass Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 9, 1923. Serial No. 637,667. 2 Claims. (Cl. 277—67.)



2. A cock or faucet stem having a partition therein said stem being tapped through the upper side and through the partition and providing a valve seat in said partition, a valve having a seat, a threaded portion and a stem, concentric washers surrounding said stem, a disk or plate for holding said washers in place and a cap screwed into the top of the stem and protecting the upper end of the stop valve.

1,534,328. REMOVABLE WHEEL. LOUIS ROUANET, Ivry-Port, France, assignor to The Compagnie de Applications Mecaniques, Paris, France. Filed July 25, 1923. Serial No. 653,650. 1 Claim. (Cl. 301—9.)

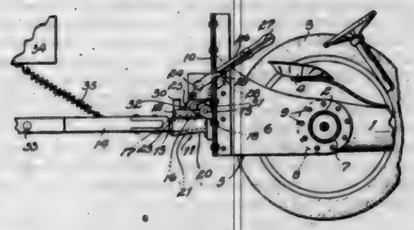


In a wheel with metal wire spokes for vehicles, a hub of light cast metal the length whereof is greater than the width of the rim of the wheel, said hub comprising a substantially convex part whose thickness decreases towards the inner side of the wheel, a flat annular flange and an annular rib having a semi-circular cross-section and connecting said convex part to said flat annular flange, the thickness of said rib being greater than that of the two latter parts, apertures provided in said flat annular flange and adapted for the passage of securing bolts, said flange carrying bosses around said apertures and conical bearing surfaces for the securing bolts being provided in said bosses.

1,534,329. TRACTOR. WILLIAM H. SARGENT, Webster Groves, Mo., assignor of one-third to George Rixmann and one-third to Julius Seidel, both of St. Louis, Mo. Filed July 15, 1922. Serial No. 575,204. 7 Claims. (Cl. 280—33.15.)

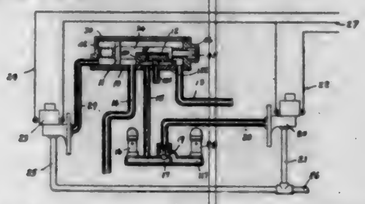
1. In a tractor, the combination of a frame, a driver's seat supported thereupon, said frame having an extension

projecting rearwardly, and having a transversely disposed guard behind the driver's seat, a coupling device



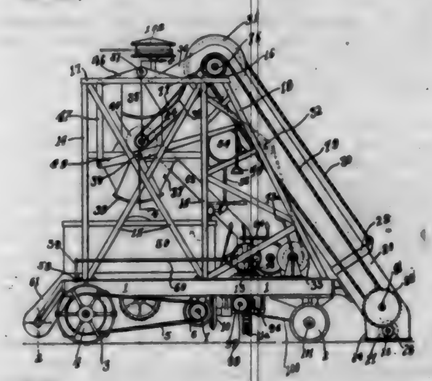
disposed at the rear side of the said guard, and means within reach of the driver's seat for controlling the coupling device.

1,534,330. TRAIN-CONTROL VALVE CONSTRUCTION. CLINTON F. SHADLE, Indianapolis, Ind., assignor, by mesne assignments, to Indiana Equipment Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 26, 1923. Serial No. 621,262. 28 Claims. (Cl. 303—18.)



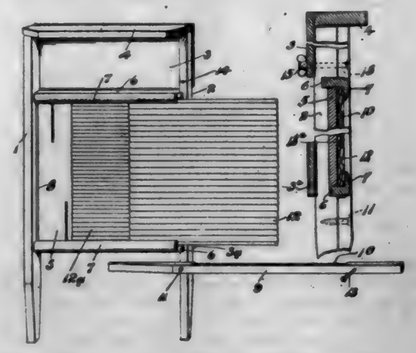
1. The combination of a fluid pressure conduit, an exhaust therefor, a second exhaust connected therewith, a single valve means controlling both exhaust connections, another valve interposed in said exhaust connection for controlling one of said exhausts, and electrical means for controlling said second valve.

1,534,331. CONTINUOUS FOUNDRY-SAND-MULLING MACHINE. HERBERT S. SIMPSON, Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,134. 12 Claims. (Cl. 22—89.)



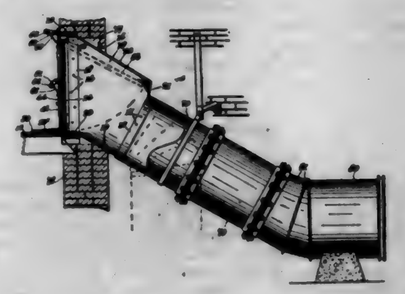
1. In a machine of the class described, comprising a continuously propelled structure having an inclined chute, a sand conveyor traveling in said chute, a receiving hopper at the upper end of said chute, sand purifying mechanism below said hopper, a discharge hopper below said purifying mechanism, simultaneously operated valves for alternately opening and closing said hoppers, a mulling apparatus below said discharge hopper, means for operating said apparatus, and means for discharging sand therefrom.

1,534,332. WASHBOARD. NELS SORENSEN, Traverse City, Mich. Filed Nov. 9, 1921. Serial No. 513,872. 2 Claims. (Cl. 68—29.)



1. A wash board comprising spaced apart side bars a fixed back rigidly connecting the side bars, upper and lower transverse guide bars rigid with the side bars and located at the upper and lower edges of the back and provided thereat with guide flanges, a rubbing plate supported against the said back and having its upper and lower edges fitted in the guide grooves formed between said back and said flanges, one of the said side bars being split longitudinally in substantially the plane of the front face of the back to form front and rear sections, the front section being pivoted to the rear section of the side bar below the lower guide bar and adapted to swing outwardly at one side of the wash board to permit the removal of the rubbing plate and means for rigidly securing the front section upon the rear section of the said split side bar.

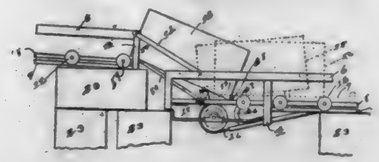
1,534,333. TUBULAR FIRE ESCAPE. ARTHUR H. STURGES, Omaha, Nebr. Filed Sept. 4, 1924. Serial No. 735,899. 1 Claim. (Cl. 227—7.)



In a tubular fire escape, the combination of a frame adapted to fit in a wall opening, an entrance section mounted in the frame and projecting outwardly therefrom to the exterior of the wall, a door hinged in the top of the frame to swing at its lower end outwardly and upwardly into the entrance section out of the way and leave the sides of the entrance section free of obstructions, a latch at the bottom of the door, a threshold

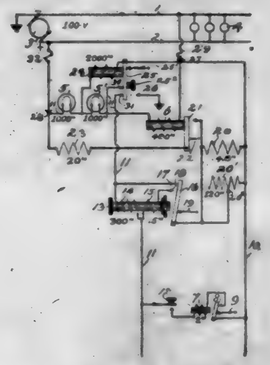
arranged at the bottom of the frame and provided with a detent to receive said latch and normally maintain the door closed, and a releasing handle mounted upon an intermediate part of the door at its inner side and connected to said latch for manually releasing the same to open the door.

1,534,334. CONVEYER SYSTEM. LEWIS E. STUTSMAN, Milton, Oreg. Filed Aug. 13, 1923. Serial No. 657,088. 7 Claims. (Cl. 198—173.)



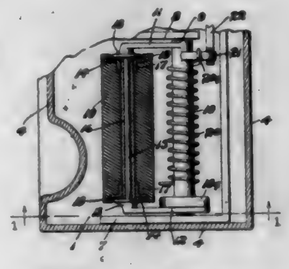
1. In a conveyer system an interconvertible track, rollers operably mounted on said track, a traveler operably mounted in said track to form a power track, means to operate said traveler, a stop rigidly attached to the power track, means to receive and separate the load on the power track from the gravity track, said means operably uniting said power and gravity tracks and means to elevate the load from the power track, by its own power, to the gravity track, said means operably uniting said tracks.

1,534,335. SYSTEM OF ELECTRIC-CURRENT DISTRIBUTION. CHARLES A. TURNER, Chicago, Ill., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed Sept. 25, 1922. Serial No. 590,277. 3 Claims. (Cl. 177—7.)



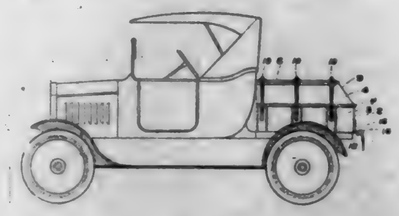
1. A system of electric current distribution including a source of current; supply mains in circuit with said source of current, one of said mains being grounded; supply conductors provided with terminals for connection with said mains; an electro-magnet having an armature switch; a high resistance included in series with this magnet in a bridge of said mains; a second electro-magnet also having an armature switch; a translating device in series with this second magnet and together therewith in parallel with the first magnet; a normally open switch for including the second magnet and the translating device in circuit; a shunting resistance element brought in parallel with the translating device and in shunt of the first magnet by the armature switch of the second magnet upon the attraction thereof to de-energize the first magnet; a normally open shunt about said high resistance and established by the armature switch of the first magnet upon the release thereof; a resistance in the connection between one terminal of the shunting resistance and the source of current; a relay in bridge of the supply conductors, this relay including an armature switch having one contact connected with the supply conductor that pertains to the grounded supply main and a grounded complemental contact, these contacts being engageable when this switch is released and a device in the supply conductor circuit between a supply conductor terminal and the corresponding main for rendering the supply conductor circuit inoperative upon reversal of the connections of the supply conductors with the mains.

1,534,336. PRESSER-ROLLER CONSTRUCTION. ANTHONY VANDERVELD, Grand Rapids, Mich. Filed Oct. 13, 1921, Serial No. 507,525. Renewed Dec. 4, 1924. 2 Claims. (Cl. 33—129.)



1. In a construction of the class described, two spaced apart supporting arms, each terminating in a bell-shaped head, said heads being turned in toward each other from the ends of the arms, a rod located between and carried at its ends by said heads, a sleeve mounted on the rod and extending between the heads, two cup-like members secured one at each end of the sleeve, and a roller located around the sleeve between said members, said roller at its ends having recesses into which said members are inserted and said heads extending into the said members, substantially as described.

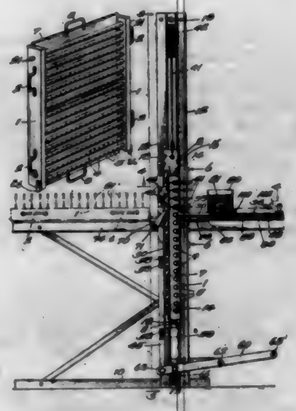
1,534,337. REAR COMPARTMENT FOR VEHICLES. ROBERT M. WATSON, Shippensville, Pa. Filed Mar. 27, 1924. Serial No. 702,228. 1 Claim. (Cl. 296—24.)



In a rear compartment for vehicles, a rectangular box or bed for such vehicle having vertical side walls in combination with a combined cover and seat structure for each side of said bed, each of said structures comprising a seat-member and a back-member arranged edge-to-edge and hinged together at the juxtaposed edges, one edge of said structure being arranged in juxtaposition and hinged to the upper edge of the side-wall of its respective side of said bed whereby said structures are adapted to fold over and co-operatively form a cover

for said bed, also to be extended and arranged in such position that the leaf in juxtaposition to said side-wall shall project horizontally outwardly therefrom to form a passenger-carrying seat and the other member of said structure shall be positioned vertically to form a back for said seat, a plurality of angle-braces for each of said structures each secured through one of its legs to one of said back-forming members, the other leg of each of said braces being free and provided at its lower extremity with a T-head, and a vertically-slotted guide for each of said braces secured to the outer face of said side-walls for the reception and operation of the T-head of its respective brace whereby said combined cover and seat structures are adapted to be arranged and retained in the aforesaid seat and back-forming positions.

1,534,338. TEMPLATE-FILLING MACHINE. HENRY A. WEIHMANN, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed Feb. 13, 1922. Serial No. 535,974. 2 Claims. (Cl. 107—7.)

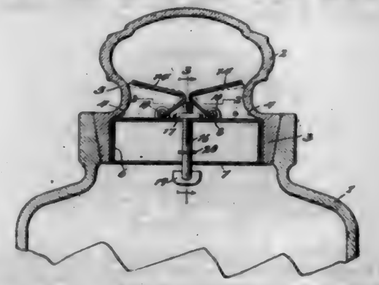


1. In a machine of the class described, a template holder, a magazine for containing the skewers, guides leading from the magazine to the template, and means for simultaneously pushing a plurality of skewers from the magazine through the channels and into the template, the magazine being removable from the machine, and the guides being formed in two sections, one section being stationary in the machine and the other permanently connected to the magazine, and removable with it.

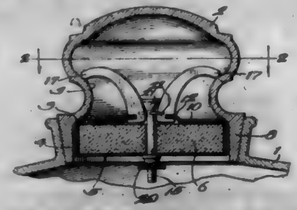
2. A template filling machine having a main frame, a template holder, means for guiding the holder in a vertical direction in the frame, the holder being adapted to hold the template in a vertical plane, manually operable ratchet and pawl mechanism for intermittently elevating the holder, a magazine for holding the skewers, and separate manually operated means for intermittently transferring a plurality of skewers from the magazine to the template, the ratchets and pawls being retractable, whereby they may be rendered non-active to permit the holder to be lowered preparatory to filling the template.

1,534,339. DEVICE FOR REGULATING HUMIDITY OF CONTAINERS. INA D. PERRY, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed Dec. 18, 1922. Serial No. 607,731. 4 Claims. (Cl. 215—48.)

1. A device of the character described having a receptacle for containing dehydrating material, arms articulately connected to said receptacle, and swingable into and out of the chambered portion of an internally chambered stopper, and means for controlling the position of said arms whereby the receptacle may be attached to and detached from the stopper, the arms being comparatively rigid whereby they may lock the receptacle in position.

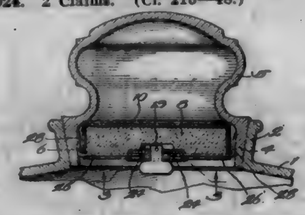


1,534,340. DEVICE FOR REGULATING HUMIDITY OF CONTAINERS. DOMINIK M. BERNOTOW, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed Jan. 25, 1923. Serial No. 614,923. 4 Claims. (Cl. 215—48.)



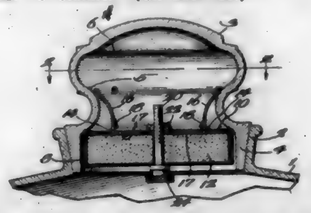
1. A device of the character described, comprising a receptacle adapted to contain a moisture-regulating substance, rigid arms articulately connected to said receptacle and adapted to swing into and out of the chambered portion of an internally chambered stopper, a rod passing up through the receptacle and between the arms, and a head at the upper end of the rod between and overlying a portion of the arms, adapted when drawn downward to wedge the arms apart and thereby force them outward into the chambered portion of the stopper.

1,534,341. DEVICE FOR REGULATING HUMIDITY OF CONTAINERS. DOMINIK M. BERNOTOW, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed Jan. 25, 1923. Serial No. 614,924. 2 Claims. (Cl. 215—48.)



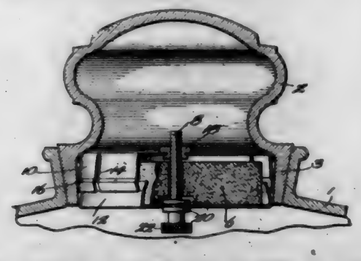
1. A holder for humidity regulating material, said holder being of the type designed to be attached to the stoppers of candy jars and the like wherein the stopper is internally chambered, said holder having radially slidable rods arranged approximately in a common horizontal plane for projecting into the chambered portion of the stopper, a multi-part cam arranged in the same plane as the rods and centrally positioned for projecting them radially outward, and means for rotating said cam.

1,534,342. DEVICE FOR REGULATING HUMIDITY OF CONTAINERS. HENRY A. WEIHMANN, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed Jan. 25, 1923. Serial No. 614,795. 3 Claims. (Cl. 215—48.)



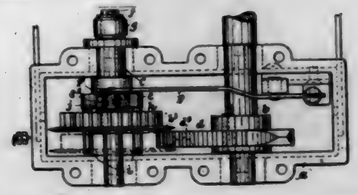
1. In a device of the class described, the combination of a holder adapted to receive moisture-regulating substance, a loose cover for the holder, arms pivotally mounted in the cover and having feet which underlie the cover and are adapted to be supported upon the contents of the holder, and means for controlling the position of the cover vertically with reference to the holder.

1,534,343. DEVICE FOR REGULATING HUMIDITY OF CONTAINERS. DOMINICK M. BERNOTOW, Chicago, Ill., assignor to Bunte Brothers, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1923. Serial No. 652,986. 4 Claims. (Cl. 131—30.)



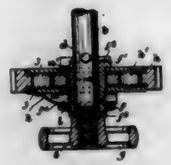
1. A device for regulating the humidity of containers comprising a retainer for holding the moisture regulating substance, said retainer consisting of an expansion member and an expander adapted to wedgingly engage the same for expanding the walls thereof.

1,534,344. DWELL-MOTION MECHANISM. WILLIAM S. WELLS, Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed July 7, 1924. Serial No. 724,598. 2 Claims. (Cl. 74—7.)



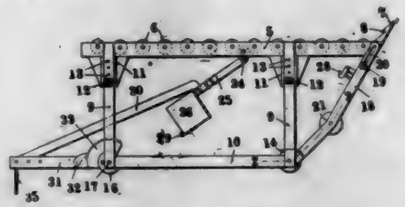
1. A dwell-motion mechanism, including, with supporting means, a peripherally toothed driven rotary gear, an eccentric driving rotary gear having its axis parallel with that of the first gear and the high part of its periphery toothed and adapted to intermesh with the toothed periphery of the first gear, one gear being shiftable laterally into and out of the plane of the other to permit such intermeshing, and means to shift the shiftable gear into and out of said plane, the first gear having a peripherally projecting flange flanking its teeth and arranged to flank the teeth of the other gear and obstruct such shifting when in the rotation of the second gear the toothed high part thereof adjoins the first gear.

1,534,345. TAKE-UP MECHANISM FOR LOOMS. WILLIAM S. WELLS, Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 2, 1923. Serial No. 629,273. 4 Claims. (Cl. 139—310.)



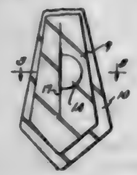
1. In a loom, the combination of a supporting structure, a beam journaled therein, a coupling member for the beam adapted to revolve concentrically thereon, said beam and member having releasable means to interlock them for rotation together, means to drive the beam including a driver concentric with the beam, and means to maintain a slip-friction-grip between the driver and coupling member.

1,534,346. TRUCK. JOHN S. WHITE, St. Louis, Mo. Filed Feb. 25, 1924. Serial No. 694,830. 7 Claims. (Cl. 280—49.)



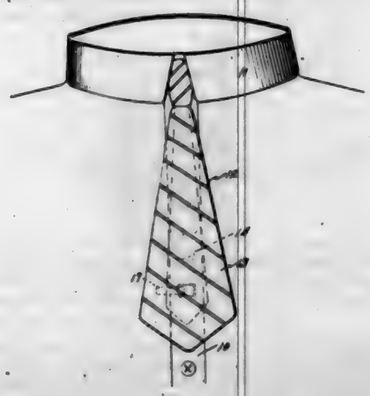
3. In a device of the class described, a wheeled platform provided with a lifting lip, front wheels forming a fulcrum, a pivoted weight arranged below the platform and swinging in the direction of the length of the device to change the center of gravity, and a lifting lever operatively connected to said weight.

1,534,347. NECKTIE. ROBERT A. ACCHIONE, Detroit, Mich. Filed July 5, 1924. Serial No. 724,256. 5 Claims. (Cl. 2—145.)



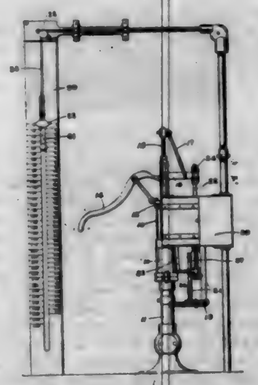
1. A necktie one end of which is adapted to overlie the other, the underlying end portion of said tie provided with an opening therethrough and the overlying end portion of said tie provided with a tab on its under side adapted to be extended through said opening.

1,534,348. NECKTIE. ROBERT A. ACCHIONE, Detroit, Mich. Filed July 16, 1924. Serial No. 726,245. 1 Claim. (Cl. 2—145.)



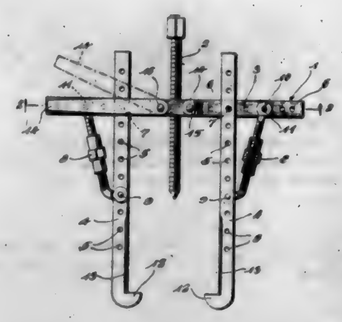
A necktie, one end portion of which is adapted to overlie and substantially conceal the other end portion, said outer end portion of the tie provided on its underside with a part secured thereto along three sides and being open at one side, said part being so disposed that the free edge of its open side is in substantially parallel proximity to a longitudinal edge of the under tie and portion and adapted to be gripped thereto to fasten two end portions of the tie together in overlying alignment.

1,534,349. TAPE-CONTROLLED MEASURING PUMP. JOHN ALBRECHT, Kewaunee, Wis. Filed Oct. 27, 1921. Serial No. 510,939. 10 Claims. (Cl. 221—103.)



1. Apparatus of the class described comprising a normally locked pump including a reciprocable rod, arranged to reciprocate as the pump is operated, a cam member, means operable by the reciprocations of said rod to manipulate said cam member, a bar, indicator mechanism associated with said bar and manually operated to unlock the pump, means operable by said cam member for controlling the movement of said bar in one direction, and locking mechanism associated with said bar which operates automatically upon the bar reaching a predetermined position to lock said rod and the pump against operation.

1,534,350. WHEEL PULLER. LEONARD L. BASSETT, Sioux Falls, S. Dak. Filed May 17, 1923, Serial No. 639,624. Renewed Jan. 23, 1925. 4 Claims. (Cl. 29—85.)

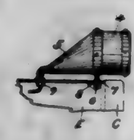


1. A wheel puller comprising a cross arm having a central shaft engaging thrust device, a pair of pull hooks pivoted to the end portions of said cross arm and longitudinally and laterally adjustable thereon and braces having a pivotal and adjustable connection at one end with said cross arm and at their opposite ends with said pull hooks, said braces being formed in adjustably connected sections.

1,534,351. VAT DYE. WILHELM BAUER and ALFRED HERRE, Opladen, near Cologne, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 19, 1923. Serial No. 640,225. 1 Claim. (Cl. 260—49.)

The herein described new dyestuff containing a beta-naphthisatin nucleus combined with a chlorinated 1-anthrol nucleus, which dye is a bluish-black powder soluble in concentrated sulfuric acid with a slate blue coloration; yielding an orange-brown vat with caustic soda solution and hydrosulfite which dyes the textile fibre deep blue-black shades, substantially as described.

1,534,352. HEADLIGHT MOUNTING. OLAF BENSON, Red Wing, Minn. Filed Apr. 21, 1924. Serial No. 707,841. 2 Claims. (Cl. 240—7.)



1. The combination with the hood of a motor vehicle, of a pair of headlights secured to the forward end of the hood, each of said headlights having a rearwardly tapered extension rigidly fastened to the hood, and circuit cables extending from the lights, through said extensions and under the hood.

1,534,353. FRACTURED BLOCK AND METHOD OF MAKING THE SAME. HERMAN BESSER, Alpena, Mich. Filed Apr. 19, 1923. Serial No. 633,106. 20 Claims. (Cl. 28—60.)

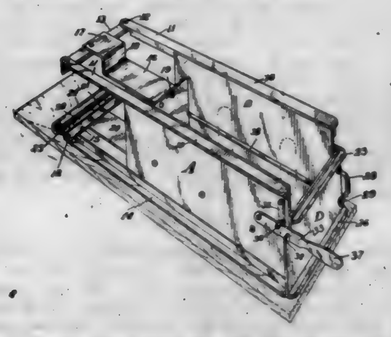
1. The method of making artificial building blocks, comprising molding in an integral mass rich concrete material having imbedded therein brittle bodies of ma-

terial contrasting with their surrounding concrete, allowing the block to fully harden, then fracturing the same transversely of its face, said line of fracture splitting the bodies which it intersects.



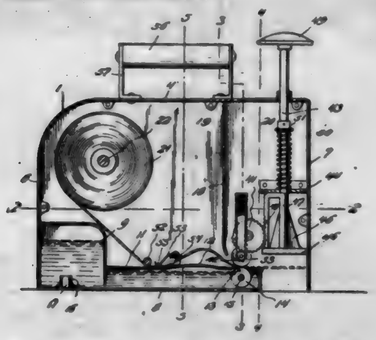
17. A concrete building block having on one face thereof a surface of concrete material having bonded therein pebbles split in the plane of said surface.

1,534,354. MOLD BOX. HERMAN BESSER and JESSE H. BESSER, Alpena, Mich. Filed May 12, 1923. Serial No. 638,602. 24 Claims. (Cl. 25—121.)



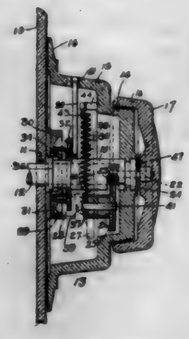
1. A mold comprising side and end plates, the rear end plate being mounted within the sides and the front plate overlapping the ends of the side plates and pivoted to one of them.

1,534,355. AUTOMATIC LABEL-PASTING MACHINE. GEORGE D. BISHOP and CLARENCE P. HARTMAN, Carlisle, Pa. Filed Apr. 12, 1924. Serial No. 706,111. 3 Claims. (Cl. 216—25.)



1. In combination, a platform, a spring tensioned toward the platform for frictionally engaging a strip of paper with a portion of the platform, said platform provided with an opening, a roller journaled below the opening of the platform, a second roller journaled above the opening of the platform, means for rotating the first mentioned roller, a cutting means associated with the platform and operatively connected with said means for operating the roller, said platform being convexed upwardly between the spring and the opening.

1,534,356. MICROMETER TUNING DIAL. JAMES P. BURKE, Newark, N. J. Filed Aug. 1, 1924. Serial No. 729,460. 7 Claims. (Cl. 74—7.)



1. In a micrometer device, the combination with a low speed shaft and a relatively high speed shaft, of a clutch acting therebetween, a housing secured to one of said shafts, and means mounted upon said housing and connecting said shafts to cause one of them to rotate at a lower velocity than the other as aforesaid, said housing being manually operable in co-operation with said clutch to render ineffective the means aforesaid and to cause said shafts to rotate at the same rate, said means mounted upon the housing comprising a clutch member tending to oppose the action of the first mentioned clutch and having a mechanical advantage to render the second mentioned clutch superior to the other clutch.

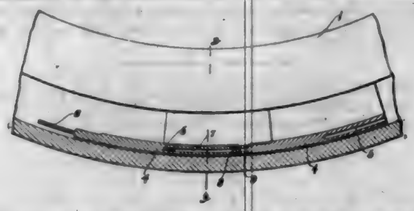
1,534,357. SOAP-DISPENSING HAND BRUSH. IRA A. BURNETT, Chicago, Ill. Filed Mar. 1, 1924. Serial No. 696,127. 1 Claim. (Cl. 15—138.)



In a device of the class described, the combination with a hollow body, of a tube located within said body and supported at at least one of its ends by said body, of an outlet conduit communicating with said tube between its ends and extended through said body at an angle to the tube, said conduit forming a partial support for said tube, a brush back mounted on the body around the discharging end of said conduit, a rod located in said conduit and having at its inner end a transversely disposed projection and at its other end means to close the discharge end of said conduit, a plunger mounted in said tube for reciprocal movement therein and having between its ends a reduced portion provided with an inclined slot to cooperate with the projection of the aforesaid rod for imparting reciprocating movement to the same when said plunger is reciprocated.

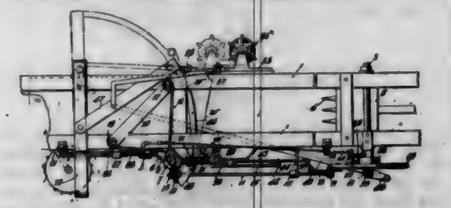
1,534,358. INTERNALLY-ARMORED TIRE. FRANK A. BURNS, Anaconda, Mont. Filed Feb. 24, 1923. Serial No. 621,064. 1 Claim. (Cl. 152—18.)

The combination with a tire shoe, of a protector arranged therein and including a plurality of transversely bowed plate sections, each having one end provided with a longitudinal bifurcation, and its opposite end provided with a transversely bowed tongue which is slidably received in the bifurcation of the adjacent plate section, the tongues being provided with longitudinal slots, an element passing transversely through the bifurcated end and received in the slot whereby to limit the longitudinal movement of the plate sections in either direction, and



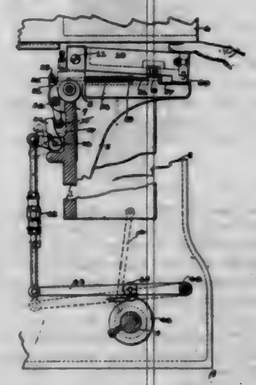
transversely bowed double walled protective members slidably received on the sections and adapted to overlie the connected ends of the sections, the inner faces of the protective members being flush with the inner faces of the plate sections.

1,534,359. BALING MACHINE. HENRY GERARD COLLINS, Williamsburg, Kans. Filed Jan. 12, 1924. Serial No. 685,842. 12 Claims. (Cl. 100—20.)



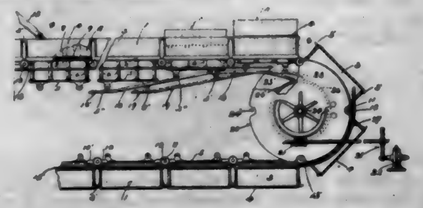
1. In a baling press the combination with sectional gears, of means operating in timed relation for bringing together the segments of each gear and rotating said gears.

1,534,360. SAFETY DEVICE. EUGENE A. COPELAND, Worcester, Mass., assignor to Hobbs Manufacturing Company, Worcester, Mass., a Corporation of Massachusetts. Filed May 5, 1921. Serial No. 467,131. 4 Claims. (Cl. 192—132.)



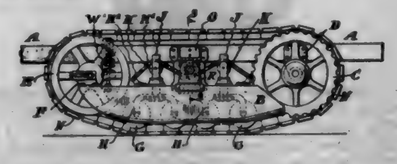
1. In a machine of the class described, the combination with a stationary anvil portion, a yieldable reciprocatory adjustable box form adapted to cooperate with said anvil portion, and a rotatable shaft for actuating said box form, of cam controlled mechanism operable by said actuating shaft for rendering said box form rigid at a predetermined point in its movement toward said anvil portion.

1,534,361. BLOCK-MAKING MACHINE. CHARLES F. CRAIG, Los Angeles, Calif. Filed Apr. 16, 1923. Serial No. 632,323. 2 Claims. (Cl. 25—99.)



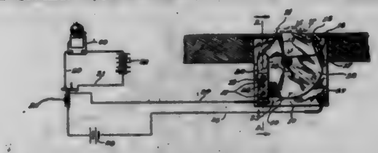
1. An apparatus for forming hollow blocks from viscous plaster, comprising a plurality of molds conjoined to have relative pivotal movement, a track upon which the molds are movable, each mold provided with a plurality of vertical cores, a pallet in each mold provided with openings through which said cores extend, a carriage for each mold, means to support said pallet above and connect said pallet with said carriage, and an inclined track disposed in the path of said carriage to elevate the pallet and eject the block from the mold by gradual movement, said track having an initial incline to produce a very slight gradual movement of the pallets and effect the initial breakage of the cohesion between the block and the mold.

1,534,362. ENDLESS-TRACK VEHICLE. LEWIS K. DAVIS, Washington, D. C. Filed Mar. 21, 1923. Serial No. 626,521. 8 Claims. (Cl. 305—9.)



1. An endless track vehicle comprising a vehicle body, endless tracks on opposite sides thereof, a subframe or longéron on each side of the vehicle body, body supporting devices engaging the tracks and carried by the longérons, a bracket attached to the vehicle body, a member connected to the longéron intermediate its front and rear ends, and passing through said bracket, and yielding devices interposed between the bracket and the member to allow the longéron to rock fore and aft about a horizontal axis extending through said bracket.

1,534,363. BURGLAR ALARM. JOHN H. DAY, Des Moines, Iowa. Filed Apr. 19, 1921. Serial No. 462,510. 2 Claims. (Cl. 200—52.)



1. In an alarm device of the class described, a frame member designed to be inserted in a table top, a rotary member mounted therein, said rotary member having a part of its edge normally projected above the frame member and also having an arm projected outwardly from the edge and then in a direction approximately concentric therewith, there being a slot between the arm and the edge of the rotary member, and an electric contact device mounted in the frame to co-operate with the movable member.

1,534,364. APPARATUS FOR RAISING VEHICLES. FRANCISCO FABRICIO Y DIAZ, Sagua la Grande, Cuba. Filed Oct. 16, 1922. Serial No. 595,013. 4 Claims. (Cl. 254—02.)



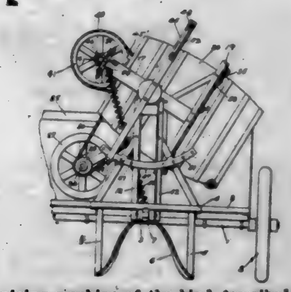
1. Lifting apparatus of the class described comprising a turntable element and means to mount and support the same, said mounting means including an internal gear, lifting screws threadedly engaged with said turntable element, a platform connected to said screws to be raised or lowered thereby, a shaft mounted on said platform and having a pinion engaged with said internal gear, and a motor mounted on said platform and geared to said shaft.

1,534,365. COMBINED CUSHION AND PNEUMATIC TIRE. THOMAS A. DUNN, Jamaica, Iowa. Filed Sept. 15, 1921. Serial No. 500,925. 1 Claim. (Cl. 152—10.)



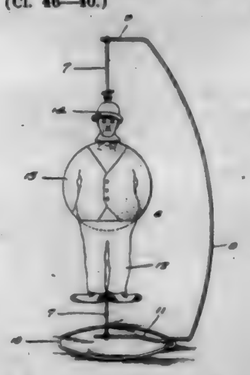
An improved pneumatic and cushion tire, comprising a casing formed with an integral, circumferentially extending cushion member on the inner periphery of its tread portion, said cushion member being substantially circular in cross-section, subtending an arc of not less than one hundred and eighty degrees and of sufficiently great diameter that it extends substantially one-half the distance from the periphery of the casing to the rim portion thereof when in normal condition, thereby producing annular grooves between said cushion member and the opposite side walls of the casing, which grooves are substantially V-shaped in cross-section when the tire is inflated, and whereby the normal thickness of the casing at opposite sides of said cushion member is not materially increased.

1,534,366. MIXING MACHINE FOR CONCRETE MIXTURES AND THE LIKE. HOWARD B. EVANS, Portland, Oreg. Filed Sept. 27, 1922. Serial No. 590,902. 1 Claim. (Cl. 83—73.)



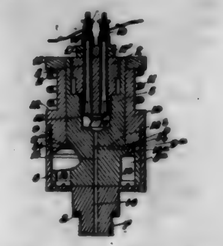
In a mixing machine of the kind described, the combination with a supporting frame, supporting members thereon, a tilting-frame comprising side pieces, and opposite supporting shafts operatively connecting said side pieces and the supporting members, of means for rotating a mixing-chamber carried in the tilting-frame independently of the tilting of said frame, means for adjustably tilting the tilting-frame in opposite directions, and a compensating tensile spring attached at one end to the tilting-frame and at the other end to the supporting frame.

1,534,367. FIGURE TOY. FRANK A. FANUCCI, Scranton, Pa. Filed Oct. 26, 1923. Serial No. 670,900. 3 Claims. (Cl. 46—40.)



1. In a figure toy, a molded lower limb simulating element, an inflatable body element having a neck portion on one end, said inflatable body element being adapted for connection with said lower limb element, and a hollow head and neck element through which is adapted for extension the neck portion of said inflatable body element.

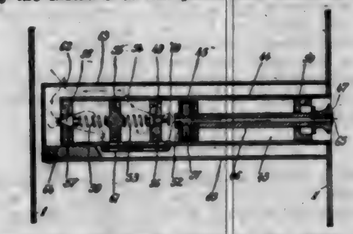
1,534,368. IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES. HOWARD E. FELLOWS, Hammersmith, London, England. Filed July 10, 1923. Serial No. 650,662. 5 Claims. (Cl. 123—145.)



1. Ignition means for explosive engines including a member provided with variable capacity explosive charge receiving means and with an inlet aperture to said means adapted to be connected with the explosion chamber of an engine, a heat retaining element effected by the amount of compression of an explosive charge contacting therewith to ignite the same, and means between said inlet aperture and said variable capacity explosive charge receiving means to vary the effective capacity of the latter.

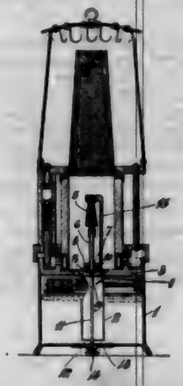
1,534,369. AIR PUMP FOR SAFETY LAMPS. LOUIS ERNEST FRANÇOIS FERRETTE, Paris, France. Filed Nov. 21, 1923. Serial No. 676,154. 5 Claims. (Cl. 158—50.1.)

1. In a lamp, the combination, with a liquid fuel reservoir, of an air pump for placing the fuel under pressure; said pump comprising a pump casing within the reservoir having an inlet and an outlet for air, a hand-operated piston in the pump casing, a normally-closed delivery valve in said casing adapted to be opened during the instroke of the piston for admitting to the



air outlet the air forced ahead of the piston, and a normally-closed safety valve in said pump casing adapted to open automatically when the pressure in the reservoir becomes excessive.

1,534,370. INCANDESCENT SAFETY LAMP FOR MINES. LOUIS ERNEST FRANÇOIS FERRETTE, Paris, France. Original application filed Feb. 17, 1922, Serial No. 537,295. Divided and this application filed Nov. 21, 1923. Serial No. 676,155. 6 Claims. (Cl. 67—73.)



1. A safety lamp, comprising a normally-open valve for controlling the supply of illuminant to the burner, adapted to move automatically into closed position when the lamp is overturned to shut off the supply; and a flexible diaphragm for supporting the valve adapted to be adjusted to vary the normal position of said valve with relation to the supply opening for the illuminant.

1,534,371. MULCH. DOZIER FINLEY, Berkeley, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Sept. 19, 1922. Serial No. 589,252. 4 Claims. (Cl. 47—9.)

1. A mulch, comprising a sheet saturated with asphaltum, said sheet containing a chemical agent possessing the qualities of killing fungus and preventing decay of the mulch.

4. A mulch comprising a felt sheet saturated with a semi-solid asphalt having a softening point ranging between 70° and 120° F., and coated with a brown asphalt having a softening point of about 200° F.

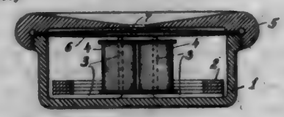
1,534,372. MULCH. DOZIER FINLEY, Berkeley, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Sept. 19, 1922. Serial No. 589,253. 4 Claims. (Cl. 47—9.)

1. A mulch comprising a sheet saturated with a dark material possessing the quality of inhibiting the growth of micro-organic and other destructive agencies and permanently surfaced with dark pulverulent material in the form of a dust finish to increase the heat absorptive qualities of the mulch.

3. A mulch comprising a sheet saturated with a coal tar pitch and surfaced with an embedded dust finish of pulverulent carbonaceous material.

4. A mulch comprising a sheet saturated with a low carbon semi-solid tar and coated with tar having a softening point of substantially 170° Fahrenheit.

1,534,373. DIAPHRAGM FOR TELEPHONE RECEIVERS. HERMANN FISCHER, New York, N. Y., assignor to C. Brandes, Inc., a Corporation of New York. Filed Oct. 25, 1922. Serial No. 596,741. 10 Claims. (Cl. 179—116.)



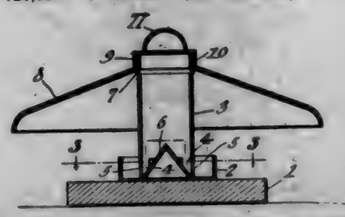
7. In a sound producing instrumentality, a pair of superposed diaphragms, one of said diaphragms being provided with an f-hole at its center portion, and means for actuating the other of said diaphragms for producing sound vibrations.

1,534,374. DRIVING SIGNAL. ARTHUR H. WANE and OSCAR H. FISHER, San Francisco, Calif. Filed Oct. 30, 1922. Serial No. 597,718. 1 Claim. (Cl. 177—329.)



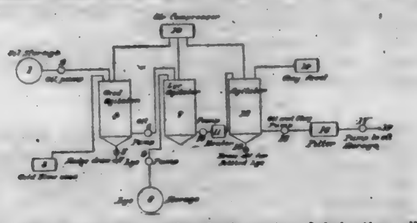
A hand signal comprising an elongated rectangular lamp casing of substantially the width of one finger of a person's hand, secured at right angles to a spring support member so shaped as to fit over the backs of three fingers and partially embrace each, whereby when the device is positioned on the backs of the extended fingers, the casing extends longitudinally along the back of one finger, a switch lever extending from one end of the casing between two fingers, the free end being in position to be operated by the thumb of the same hand, a lamp in the casing, a translucent cover for the casing and means for connecting the signal to a source of electric supply separate and apart from the device.

1,534,375. CHICKEN FEEDER. PROCTOR DUTTON FOUCHT, Topeka, Kans. Filed July 22, 1924. Serial No. 727,534. 2 Claims. (Cl. 119—52.)



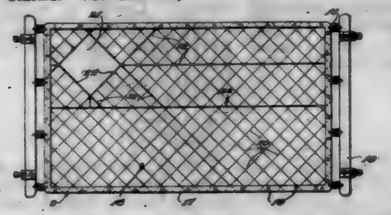
1. A chick feeder comprising a feed pan, a cylindrical hopper rising therefrom and communicating therewith, a stop carried by the upper end of said hopper, a hood having an upstanding flange encircling said hopper and resting on said stop, and a cap fitting over the upper edge of the hopper and the flange of the hood.

1,534,376. PROCESSING HYDROCARBON LUBRICATING OILS. HENRY GUY FOWLER, Associated, Calif., assignor to Associated Oil Company, San Francisco, Calif., a Corporation of California. Filed Oct. 16, 1923. Serial No. 668,817. 4 Claims. (Cl. 196—41.)



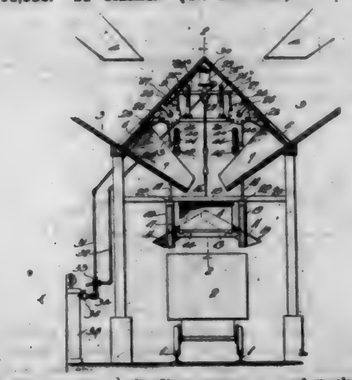
1. The process of treating hydrocarbon lubricating oils comprising initially treating the oil with sulphuric acid; then treating said acid-treated oil with alkali; then rapidly settling out from the alkali-treated oil approximately all the alkali solely by quickly heating the oil; then treating the oil with a decolorizing agent; and finally separating said decolorizing agent from the oil.

1,534,377. WINDOW GUARD. DANIEL P. FURIATE, Toledo, Ohio, assignor of one-half to George W. Zay, Tiffin, Ohio. Filed Apr. 10, 1924. Serial No. 705,587. 5 Claims. (Cl. 20—71.)



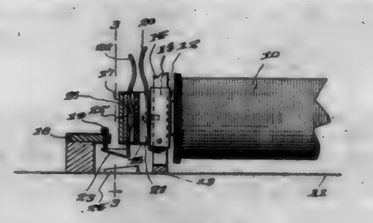
1. In a window guard, a frame, a screen stretched in said frame, means for yieldingly supporting the frame before a window; said means comprising brackets adapted to be secured around the window, said brackets having jaws, bars fitting snugly in said jaws, adjusting bolts for said bars in said jaws, and resilient elements connecting said bars with the frame.

1,534,378. CAR-LOADING MEANS. ANDREW GERMEK, Edwardsville, Pa. Filed June 5, 1924. Serial No. 718,134. 11 Claims. (Cl. 214—38.)



1. In a coal car loading means, a coal pocket at one side of a car track having a gate for controlling discharge of coal, a vertically swingable chute into which said pocket discharges when the gate is opened, said chute being adapted to direct the coal into a car to be loaded, a stationary pressure cylinder having a piston provided with a projecting piston rod, a cross arm to which said piston rod is secured, connecting means between said cross arm and said gate for opening and closing the latter, connecting means between said cross arm and said chute for lowering the latter when the gate is opened and again raising said chute when the gate is closed, and means for supplying fluid under pressure to either end of said cylinder.

1,534,379. CONTACT BREAKER. ANDREW GILBERTS, Chicago, Ill. Filed Aug. 24, 1921, Serial No. 494,815. Renewed Mar. 5, 1925. 4 Claims. (Cl. 200—80.)



1. In a make and break means for an electro-magnet, an armature mounted for movement toward and away from the magnet, a spring finger on the armature and in metallic contact therewith, an insulated member carried by the armature and having a channel therethrough, a sliding spring finger frictionally supported in the channel and movable into engagement with the first spring finger upon movement of the armature away from the magnet, and into contact therewith when the armature moves toward the magnet.

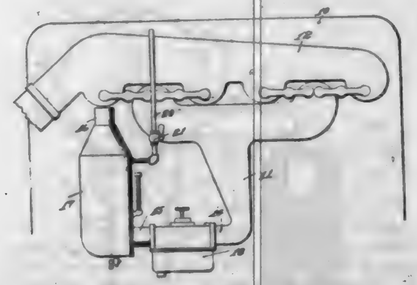
1,534,380. DUMPING GRATE. JESSE E. HANCOCK, Du Pont, Ga. Filed June 7, 1923. Serial No. 643,903. 3 Claims. (Cl. 126—162.)



3. In a grate of the class described, a main frame, alined bearings on said main frame, a dumping frame having alined journals receivable in said bearings, arms projecting downward from said bearing, said arms being provided with a plurality of spring end receiving openings, springs engaged in selected openings in said arms, means on the main frame for securing said springs thereto under tension, other arms projecting downwardly from said journals, rocking levers pivoted to the main frame, links connecting said rocking levers and the last mentioned arms, means to hold the rocking levers in selected positions, said means each comprising a member pivoted to the main frame and movable to swing across the path of the respective rocking lever intermediate its extreme positions.

1,534,381. AIR-MOISTENING DEVICE FOR ENGINES. ROBERT H. HANNEMANN, Wausau, Wis. Filed Mar. 27, 1924. Serial No. 702,361. 2 Claims. (Cl. 123—25.)

1. The combination with an internal combustion engine, of a water receptacle, an angular conduit disposed within the receptacle and having one end extending through the side of the receptacle and connected with the carburetor of the engine, the other end of the conduit being open and disposed in close proximity to the exhaust manifold of the engine to receive heated air, a foraminous baffle in the receptacle above the water level,



the end of the receptacle adjacent said manifold being tapered, the portion of the conduit inwardly of the said tapered end of the receptacle being perforated to draw vapor from the receptacle under the suction induced through the carburetor by the pistons of the engine.

1,534,382. SPINNING VISCOSE. JACQUES CORNRAAD HARTOGS, Arnhem, Netherlands. Filed June 30, 1924. Serial No. 723,365. 2 Claims. (Cl. 18—54.)

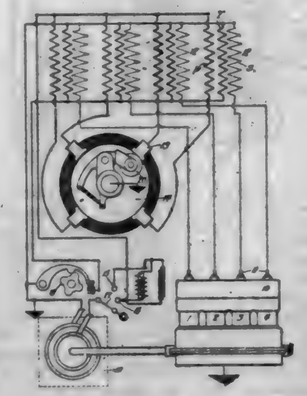
1. A process of making artificial silk or other artificial textile products which consists in spinning viscose in a bath of a dilute solution of sulphuric acid containing between 0.1 per cent and 5 per cent of nitric acid.

1,534,383. DISK WHEEL FOR VEHICLES. WILLIAM HASLAM, South Melbourne, Australia, assignor of one-half to Wilhelm Alfred Damschke, South Melbourne, Australia. Filed Apr. 10, 1924. Serial No. 705,612. 4 Claims. (Cl. 301—63.)



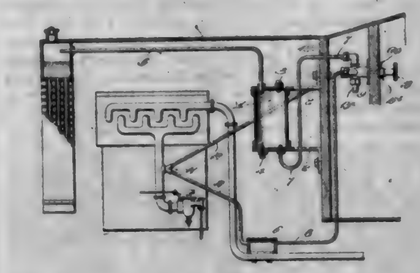
3. A disk wheel for vehicles comprising a disk or body member provided with an integral tire retaining bead or lip extending around its outer periphery, a circumferential groove or channel formed in the outer face of said disk immediately adjoining and concentric with said lip or bead, and pockets or recesses formed in said outer side face of the disk and opening into said groove or channel, a tire carrying rim comprising a tire seating portion of substantially flat cross section having an integral tire retaining lip or bead extending around its outer side edge and having a plain or unobstructed inner side edge adapted to freely fit into said circumferential groove or channel in the disk and to freely pass the inner circumference of the tire, lugs projecting radially inwards from said tire carrying rim at its inner side edge, said lugs being adapted to fit into said pockets or recesses of the disk, and studs outstanding from said disk within the pockets or recesses thereof, said studs passing through coinciding holes in said radial lugs of the tire carrying rim.

1,534,384. IGNITION SYSTEM. WILLIAM W. HAWKINS, Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,985. 14 Claims. (Cl. 123—148.)



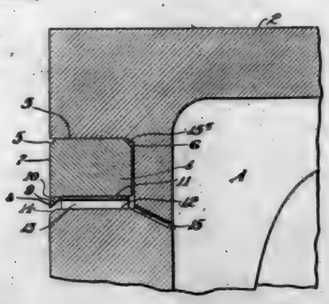
1. In an ignition system, a plurality of ignition coils each comprising a primary winding, a secondary winding in inductive relation to the primary winding, a tertiary winding from which the current traversing the primary winding is at all times excluded, said tertiary winding adapted when included in a closed circuit to neutralize the inductive effect of the primary upon the secondary, and distributor mechanism for selectively energizing said primary windings.

1,534,385. AIR AND VAPOR SUPPLYING AND CLEANING DEVICE FOR ENGINES. GEORGE W. HENKEL and ALFRED B. UPDIKE, San Francisco, Calif. Filed Aug. 16, 1923. Serial No. 657,760. 7 Claims. (Cl. 123—25.)



1. In a device of the class described, a cleaning liquid tank, a pipe communicating therewith at the upper end thereof, the free end of the pipe being adapted to communicate with a vapor supply, a superheater, piping extending from the bottom of the tank to said superheater and including a valve, a passage leading from the superheater for connection to the intake manifold of a motor, and a valve-controlled by-pass around the superheater connected at its opposite ends to said piping.

1,534,386. PISTON RING. WILLIAM R. HESLEWOOD, Oakland, Calif., assignor to M. and H. Piston Ring Co., Oakland, Calif., a Corporation of Nevada. Filed July 25, 1922. Serial No. 577,285. 2 Claims. (Cl. 74—109.)



1. The combination with a piston having a circular ring groove formed in its exterior surface, of a split circumferentially expansible ring adapted to be received by the groove, a bevelled annular surface formed on the upper edge of the ring, an annular knife like scraping edge formed on the lower exterior surface of the ring, said ring having a vertical height which is less than the vertical height of the ring groove to form a space between the lower side of the ring and the lower face of the groove, a spring ring insertible in said space and engageable with the piston ring to maintain it in constant engagement with the upper surface of the ring groove, and a drain duct formed in the piston and communicating at one end with the interior of the piston and at the opposite end with the space formed between the piston ring and the groove.

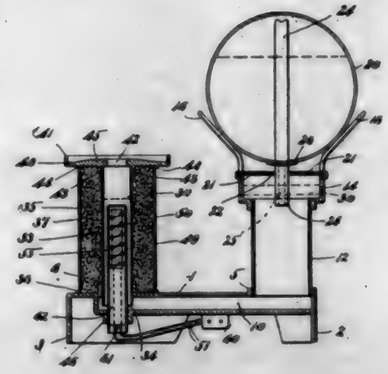
1,534,387. METHOD OF TREATING AND PREPARING YEAST. FRANK M. HILDEBRANDT and CHARLES N. FREY, Pittsburgh, Pa., assignors, by mesne assignments, to The Fleischmann Company, a Corporation of Ohio. Filed Jan. 5, 1921. Serial No. 435,237. 14 Claims. (Cl. 99—10.)

1. The method of treating yeast subsequent to propagation for enabling it better to retain its baking properties, which comprises causing a yeast product to undergo a conditioning fermentation without substantial cell multiplication with aeration in a nutrient solution containing sugar and nutrient salts, the sugar in solution being in substantially the ratio of from 2 to 5%, and then separating the conditioned yeast from the solution.

10. The method of treating yeast subsequent to propagation for enabling it better to retain its baking properties, which comprises causing a yeast product to undergo a conditioning fermentation with aeration in a nutrient solution containing sugar and nutrient salts, causing the conditioned yeast to pass into a dormant state by lowering its temperature to a point at least as low as 0° C. for a period of time sufficient to suspend the normal activity of the yeast, thereafter thawing the yeast to restore it to normal temperature, mixing cornmeal with the yeast to absorb the exuded moisture, desiccating the resultant mass, filming the yeast particles with refined mineral oil and sufficient water to make a pasty mass, and finally desiccating the pasty mass.

1,534,388. ELECTRICALLY-HEATED HUMIDIFYING APPARATUS. OLIVER D. HOGUE, Brookline, Mass. Filed May 9, 1922. Serial No. 559,668. 17 Claims. (Cl. 219—38.)

1. Humidifying apparatus, comprising a vaporising receptacle wherein a substantially constant liquid level is maintained, a liquid supplying reservoir larger than said vaporising chamber and having a corresponding liquid level, and automatic liquid supplying connections to said larger receptacle, permitting liquid supply

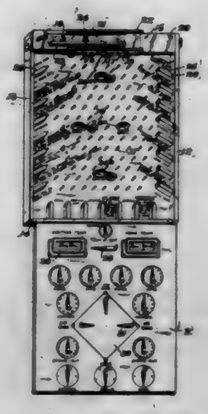


thereto without materially disturbing the maintained liquid level in the vaporising receptacle, in combination with removable electrical heating means and heat insulation means for said vaporising chamber.

1,534,389. TREATMENT OF BITUMINOUS SUBSTANCES. ALBERT C. HOLZAPFEL, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,773. 5 Claims. (Cl. 106—31.)

1. A non-inflammable roofing composition comprising a mixture of a bituminous substance and calcium chlorid.

1,534,390. GAME. EUGENE L. HORTON, San Francisco, Calif. Filed May 31, 1922. Serial No. 564,829. 7 Claims. (Cl. 273—88.)



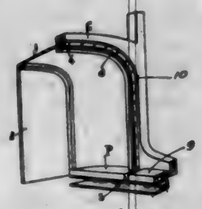
5. A baseball game comprising a board having spaced elements projecting upwardly therefrom and also having a plurality of pockets formed therein, and a runway above the base of the board at one end thereof and having perforations through which a ball may drop onto the board and roll from under said runway along the board and roll against and between said elements and enter a pocket.

1,534,391. SUPPORT FOR STRANDS OF HAIR SWITCHES. ETHEL P. HUNTON, Los Angeles, Calif. Filed Apr. 10, 1923. Serial No. 631,167. 6 Claims. (Cl. 34—36.)



1. A holder for the strands of a hair switch comprising a body portion having a plurality of holding hooks thereon, said body portion comprising two twisted wires, said loops being formed by extending one of the strands and twisting said extended strands to form a loop.

1,534,392. WINDSHIELD HOLDER. JEAN FERNAND JANSSEN, Levallois-Perret, France. Filed July 3, 1923. Serial No. 649,317. 2 Claims. (Cl. 296—28.)



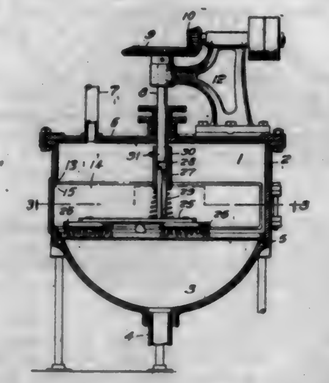
1. In an automobile, a chassis, a standard or windshield frame mounted thereon, and a cowl also mounted on the chassis and disconnected from and free to vibrate independently of the standard frame.

1,534,393. PROCESS OF GRINDING. HARRY F. JOSEPH, Davenport, Iowa, assignor to Micro Machine Company, Bettendorf, Iowa, a Corporation of Iowa. Original application filed May 15, 1923, Serial No. 639,141. Divided and this application filed Aug. 17, 1923. Serial No. 657,891. 6 Claims. (Cl. 51—278.)



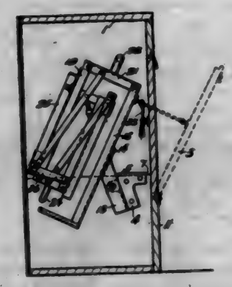
1. The process of grinding a cylindrical internal recess which comprises rotating a spindle carrying a grinding wheel in said recess, causing a relative orbital and longitudinal movement between the wheel and cylinder, and causing a layer of liquid to move with a relatively higher speed around said cylinder in the same direction as said relative orbital movement and to spread transversely across the orbital path of the wheel.

1,534,394. COLOR-SIFTING MACHINE. JULIAN KASIENKO, Rosebank, N. Y. Filed Jan. 22, 1924. Serial No. 687,889. 9 Claims. (Cl. 83—56.)



1. A color sifting machine formed with an opening to permit the bodily removal therethrough of the sifting screen, a door for said opening, means carried by said door to assist in securing the screen in place.

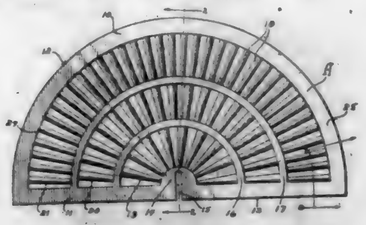
1,534,395. FOLDING BED. JOSEPH A. KELLY, Clinton, Iowa. Filed July 11, 1922. Serial No. 574,181. 3 Claims. (Cl. 5—136.)



1. A folding bed unit comprising a bed and a support therefor, cooperating hinge elements carried by said support and bed for pivotally mounting the latter, said hinge elements being formed with means for normally maintaining said bed in stable equilibrium about its pivotal axis but close to a position of instability.

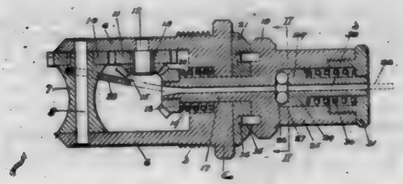
2. A folding bed unit comprising a cabinet having an open front, a folding bed pivotally mounted within said cabinet and swingable relative thereto about a pivotal axis when said bed is folded, cooperating means carried by said bed and cabinet for normally maintaining said bed in stable equilibrium about said axis but close to a position of instability, a door for closing the open front of said cabinet and tractive means operatively connecting said door and the upper part of the folded bed, said means being of such length as to permit the bed to be tipped to a position of unstabled equilibrium by the opening movement of said door.

1,534,396. DRAWING INSTRUMENT. LAWRENCE YASUKICHI KIMURA, Richmond, Calif. Filed Mar. 17, 1924. Serial No. 699,904. 8 Claims. (Cl. 33—1.)



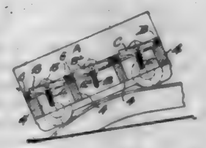
1. A drawing instrument for use in producing arcuate dotted or broken lines consisting of a body having a hub provided with a notch and radially extending spaced apart ribs formed on said hub.

1,534,397. PLUMB BOB. JOSEPH A. KLESLER, Portland, Oreg. Filed Oct. 10, 1919, Serial No. 329,783. Renewed Oct. 18, 1922. Serial No. 595,448. 2 Claims. (Cl. 33—217.)



1. In a plumb bob having cord reeling means, a cap having an aperture centrally through its top, a head, a shaft on said head extending through said aperture, a tubular extension on said head opposite to the shaft, the bottom of said tubular portion being tapered inwardly, means adapted to close the outer end of said extension, there being aligned bores through said shaft and closing means, balls seated in the tapered portion of said tubular extension, and means comprising a spring and plunger adapted to cooperate with said tapered portion and closing means to urge said balls inwardly whereby to grip a bob-supporting line passed through said bores.

1,534,398. PALLET FOR SINTERING MACHINES. JOHN KNOX, Perth Amboy, N. J., assignor to Dwight Lloyd Sintering Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 10, 1920. Serial No. 364,643. 24 Claims. (Cl. 266—21.)



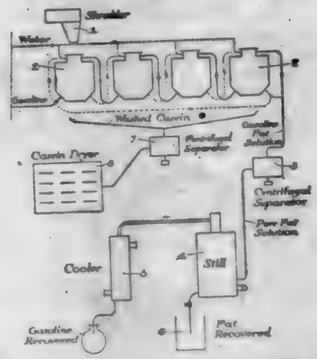
1. In an ore sintering apparatus, the combination of a track having curves in vertical planes, and a series of pallets each of which is a self-supporting unit movable bodily relatively to those adjacent to it and having a two-part apertured bottom, the two parts providing a normally flush ore-supporting surface and one part being adapted to automatically move under action of gravity relatively to the other to and from its normal position.

1,534,399. FLEXIBLE COUPLING. MCCLELLAN B. KRAFT, Spring Grove, Pa. Filed Jan. 25, 1922. Serial No. 531,754. 4 Claims. (Cl. 285—58.)



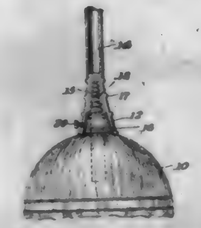
1. A flexible half coupling comprising a series of interlocking ring shaped sections, a piloting yoke, substantially as shown and described, fixed to one end of said series of ring shaped sections, and a series of contractile springs arranged around the outside of said ring shaped sections, the opposite ends of each spring being connected to the respective end ring shaped sections of said series.

1,534,400. PROCESS FOR RECOVERING FAT AND CASEIN FROM CHEESE. EDMUND KURRE and RUDOLPH E. POSPISIL, Chippewa Falls, Wis. Filed July 18, 1923. Serial No. 652,357. 2 Claims. (Cl. 87—6.)



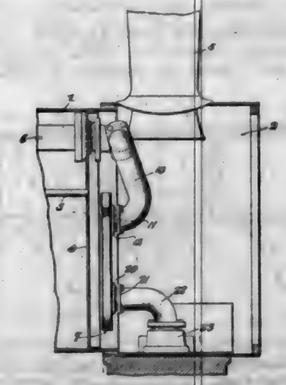
2. The process of recovering fat and casein from waste cheese material, which consists of placing cheese in a finely divided condition in a battery of extractors and passing a fat-dissolving agent serially through said extractors, centrifugalising the fat solution obtained from the extractors to obtain a pure fat solution and separating the dissolving agent from the fat, washing the residue in the extractors with warm water and centrifugalising this washed residue to remove the casein therefrom.

1,534,401. BROOM. EDWARD D. LAPPERT, New Martinsville, W. Va. Filed Mar. 18, 1924, Serial No. 700,100. Renewed Mar. 18, 1925. 2 Claims. (Cl. 15—145.)



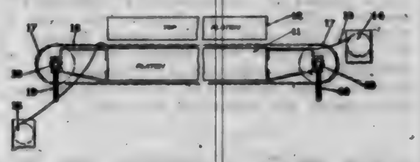
1. In a broom, a threaded member extending from the head of the broom, a handle having a threaded socket at one end thereof for detachable engagement with the threaded member and an outwardly flared apron extending from the mouth of the socket for receiving and covering the head of the broom.

1,534,402. COMBINED STEAM SUPERHEATER AND DRAFT-DISTRIBUTING DEFLECTOR. TEODORO LARREY and LUIS GODARD, Mexico City, Mexico. Filed Apr. 16, 1923. Serial No. 632,464. 6 Claims. (Cl. 122—461.)



1. A steam superheater for boilers, comprising a hollow case dividing means in said case spaced from the front and rear walls thereof to form separate front and rear steam conduits or chambers, said dividing means being marginally spaced from the peripheral wall of the case to provide a communication passage between the chambers thereof; piping for supplying saturated steam from the boiler to one chamber; and piping leading from the other chamber to deliver the superheated steam from the case for use, both the supply piping and the delivery piping opening through the same side of the case.

1,534,403. STRIPPING VULCANIZED MATERIAL FROM MOLDS. FRANK J. LAWLER, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,926. 3 Claims. (Cl. 18—2.)



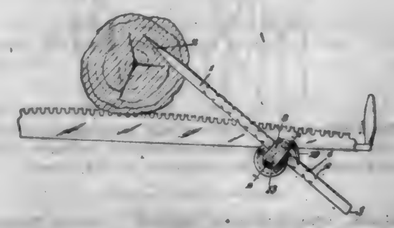
3. A device adapted to strip material from a mold comprising a freely rotatable roller means to move said roller between the material and the surface of the mold and means to maintain said roller out of contact with said surface.

1,534,404. RAZOR HOLDER. EDGAR H. LUSHER, Portland, Oreg. Filed May 28, 1924. Serial No. 716,408. 1 Claim. (Cl. 30—25.)



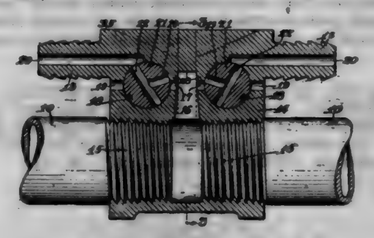
A holder for razor blades having, in combination, a somewhat elliptical elongated frame constructed of wood and split along its major axis; a pivot joining the halves of said frame near its middle, separating the handle end from its blade holding end; a fastener at the extreme end of said handle portion; and a spring clamp at the extreme end of its blade holding portion, said clamp consisting of a wire ring whose ends intersect and turn parallel along side of said holder and the tips of whose ends turn inwardly and engage holes formed in the outer sides of the blade holding end of said frame.

1,534,405. SAW SUPPORT AND GUIDE. GEORGE N. LYON, Powers, Oreg., assignor of one-half to William B. Sullivan, Powers, Oreg. Filed Aug. 11, 1923. Serial No. 656,856. 1 Claim. (Cl. 143—163.)



In a device of the class described, a bar having an end to be driven into a log to be sawed, a member slidable along the said bar and removable therefrom and reversible end for end, the bar having a series of notches in one longitudinal edge presented in one direction, and another series of notches presented in the opposite direction, a pawl upon the said member engageable with the notches of one series when the member is applied to the bar in one position, the pawl being engageable with notches of the other series when the said member is applied in an end-wise reversed position, and means upon the said member for supporting a saw blade for reciprocation.

1,534,406. COMBINED COUPLING AND VALVED OUTLET. JOSEPH A. MARTOCELLO, Philadelphia, Pa. Filed Dec. 8, 1921. Serial No. 519,597. 6 Claims. (Cl. 137—69.)

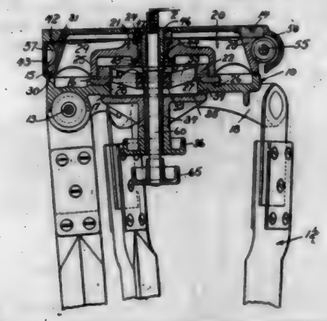


4. A valved coupling and outlet, comprising a coupling having coaxial threaded openings, one at each end to receive pipe sections and having a lateral passage, in combination with a pair of valves connected with said passage and having oppositely extending outlets from said valves parallel with the axis of the threaded connections.

1,534,407. TRIPOD HEAD. GEORGE A. MITCHELL, Los Angeles, Calif., assignor to Mitchell Camera Co., Los Angeles, Calif., a Corporation of California. Filed Feb. 23, 1921. Serial No. 447,287. 9 Claims. (Cl. 248—45.)

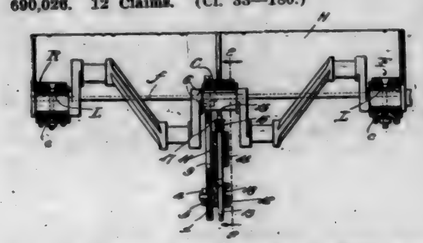
1. In a tripod head, a frame having an upwardly facing bearing surface near its center and an upwardly facing bearing surface near its periphery, and a member rotatably mounted on the frame and including two parts

vertically adjustable relative to each other, one of said parts having a downwardly facing bearing surface adapted to bear on the bearing surface near the center



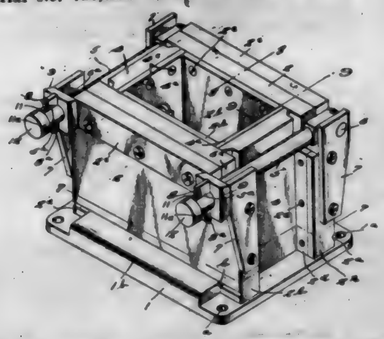
of the frame and the other of said parts having a downwardly facing bearing surface adapted to bear on the bearing surface near the periphery of the frame.

1,534,408. CRANK-SHAFT TESTER. JOHN F. PARROTT, East Moline, Ill. Filed Feb. 1, 1924. Serial No. 690,026. 12 Claims. (Cl. 33—180.)



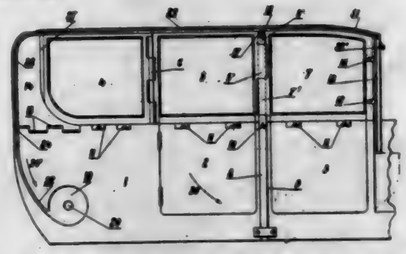
1. A crank shaft tester comprising a support to extend under a motor when the lower half of the crank case is removed, said support having attaching means for engagement with the usual flanges of the upper crank case half, and indicating means carried by said support and provided with a shoe to contact with an intermediate main bearing portion of the crank shaft.

1,534,409. MOLD FOR MAKING HARD-RUBBER CONTAINERS. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed July 16, 1924. Serial No. 726,342. 9 Claims. (Cl. 18—36.)



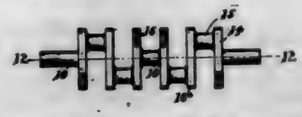
1. In a mold of the character described, a bottom plate having flanges along two of its opposite sides, a removable bottom mold face member carried by said bottom plate and of less width than the distance between said flanges, removable side plates having their lower ends seated in said grooves, end plates adapted to rest upon the bottom plate between said side plates, and means for drawing said side plates towards each other.

1,534,410. CONVERTIBLE VEHICLE BODY. RAYMOND ANDRÉ JACQUES PLANTUREUX, Paris, France. Filed June 18, 1923. Serial No. 646,268. 2 Claims. (Cl. 296—98.)



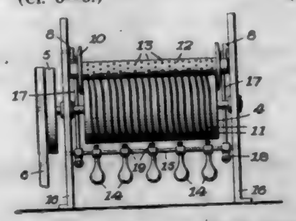
1. In a convertible vehicle body suitable for motor vehicles, a rear frame, permanent side walls on each side of the vehicle and supporting the frame, two upright solid removably attached members in the rear frame and forming the rear thereof on each side of the vehicle, and means binging the solid members to the top of the permanent side walls and permitting the solid members to be brought down horizontally to form the rear arm and elbow rests of the rear seat.

1,534,411. METHOD AND MEANS OF COUNTERBALANCING CRANKSHAFTS. LYMAN J. POTTER, San Francisco, Calif. Filed Jan. 3, 1924. Serial No. 684,268. 6 Claims. (Cl. 22—203.)



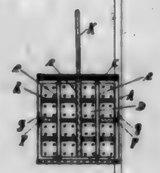
1. A method of counterbalancing crankshafts which comprises filling the space between the webs of the crankshaft and rigid circular bands arranged about the webs concentric with respect to the axis of the crankshafts with material in a fluid condition, and then permitting said material to harden to form a rigid bond between said bands and said webs.

1,534,412. METHOD OF HANDLING YARN AND MACHINE THEREFOR. ARTHUR L. REMINGTON, Worcester, Mass., assignor to Warp Compressing Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 28, 1919. Serial No. 320,505. 5 Claims. (Cl. 8—5.)



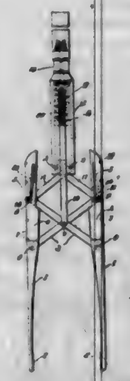
4. A method of preparing yarn which consists in first winding a plurality of ends of yarn upon a jack spool, then transferring the yarn to a dummy spool with a traversing motion, whereby to produce a loose package comprising superimposed layers of yarn crossing each other, then dyeing the yarn on the dummy spool and finally in rewinding the yarn compactly upon the jack spool.

1,534,413. APPARATUS FOR BOILING AND WASHING LINEN. JEAN RENSON, Brussels, Belgium. Filed Aug. 5, 1924. Serial No. 730,239. 1 Claim. (Cl. 68—30.)



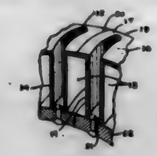
Improved apparatus for boiling and washing linen, comprising in combination: a vessel with removably slotted lid; a normally vertical oscillatory sprayer arranged within said vessel and having two central lateral trunnions removably supported in bearings fitted inside the vessel, the said sprayer consisting of two riveted metal sheets provided with reinforcing ribs and with parallel grooves forming a series of vertical tubular passages by juxtaposition of said sheets, the latter having their plane surfaces perforated; an operating handle inserted centrally in one of the vertical tubular passages and projecting through the slot in the lid of the vessel; and a false bottom fitted in said vessel and having perforations formed therein at the periphery and under the sprayer, substantially as described.

1,534,414. FISHING TOOL. THERON M. ROGERS and JOHN L. KNIFFEN, Fellows, Calif. Filed Nov. 5, 1923. Serial No. 672,764. 9 Claims. (Cl. 294—86.)



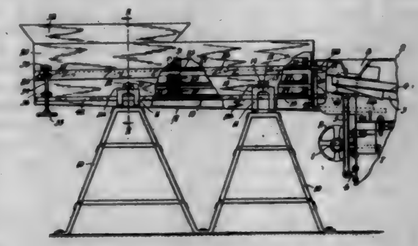
1. A fishing tool adapted to be lowered down a well hole for recovering lost parts therein, comprising opposed gripper members, said members extending in substantially a vertical direction, and means operative from the top of the well for opening and closing said gripper members while maintaining the same substantially vertical.

1,534,415. TURBINE BLADE. HENRY F. SCHMIDT, Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 7, 1924. Serial No. 724,562. 11 Claims. (Cl. 253—77.)



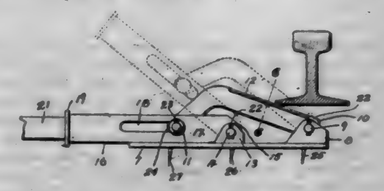
1. A one-piece turbine blade comprising a hollow blade portion and an integral flange portion thereon forming a shroud.

1,534,416. STARCH-CLEANING MACHINE. FRANK M. SCHULER, Winona, Minn. Filed Dec. 31, 1923. Serial No. 683,824. 19 Claims. (Cl. 107—44.)



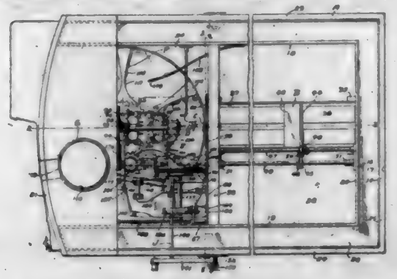
4. A starch and candy separating and starch cleaning machine comprising a casing having a sieve bottom of comparatively large mesh, a chute beneath said bottom, a plurality of screens of much smaller mesh supported in said casing closely adjacent said bottom, said screens being arranged for longitudinal movement in said casing, a plurality of screens disposed in said casing for longitudinal movement thereof above said first mentioned screens and of larger mesh than the first mentioned screens, and means for longitudinally reciprocating said casing and screens.

1,534,417. TRACK LINER. FRANK R. SINNING, Ramsey, Ill. Filed Nov. 19, 1924. Serial No. 750,769. 4 Claims. (Cl. 254—44.)



4. A track liner comprising a base, a rail engaging lever pivotally secured at its forward end to said base, a socket lever having its forward end pivotally secured to said base and to the rear of the rail engaging lever; the points of pivotal connection between said rail engaging lever and said socket lever and the base being immovable, and a sliding pivotal connection between the free end of the rail engaging lever and the socket lever whereby the angle of inclination of the rail engaging lever with respect to the base can be varied by the raising of the socket lever.

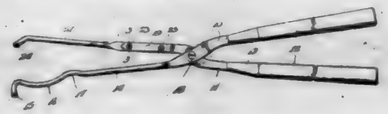
1,534,418. BUTTER CHIPPER. ALBERT SLATER, Fargo, N. Dak. Filed June 27, 1922. Serial No. 571,144. 10 Claims. (Cl. 31—6.)



1. A butter cutting and dispensing machine comprising means for receiving a cake of butter, a cutting mechanism, means for periodically feeding the butter forwardly to the cutting means, means for receiving the butter after the same has been cut, means for feeding butter plates past the cutting means, and means for dropping the butter cut from the receiving means onto said butter plates.

19. In a butter chip cutting and dispensing machine, means for cutting butter into chips, a turn table for movement past the butter chip cutting means, a chute for supplying butter plates to the turn table, and means for delivering the butter plates one at a time at predetermined intervals to the turn table including a pair of oppositely disposed arms, each of said arms consisting of upper and lower parallel disposed bars, between which a plate is adapted to rest, pivoted studs disposed at the ends of the arms and between the parallel bars, bearings engaging in the studs, rearwardly extending levers connected with the arms, a slot and pin connection connecting the inner ends of the levers together, an operating shaft, a crank carried by the operating shaft, a link pivotally secured to the outer end of the crank, and means operatively connecting the link with one of the levers carried by said rocking arms.

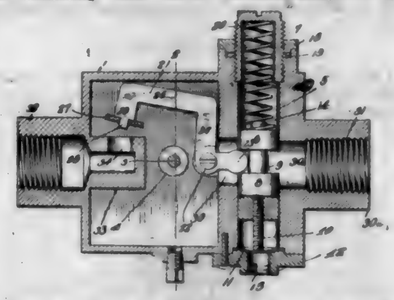
1,534,419. OBSTETRICAL FORCEPS. GEORGE SMITH, Mullen, Nebr. Filed Aug. 7, 1923. Serial No. 656,265. 1 Claim. (Cl. 128—324.)



In an obstetrical forceps, the combination of crossed pivotally connected levers having a permanently located pivotal center, one of said levers being bifurcated to form a jaw having spaced sides, the other lever extending between the sides of said jaw and being pivoted thereon, and a jaw detachably mounted upon the forward end of the latter lever to cooperate with said first mentioned jaw and having spaced sides receivable between the sides of the former jaw, the former jaw being substantially twice the length of the latter jaw and the sides of the jaws being connected at their outer ends by loops extending laterally in a common direction with respect to the jaws.

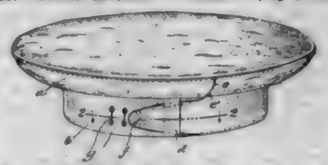
1,534,420. REGULATING VALVE. J HARLEY SMITH, San Francisco, Calif. Filed Apr. 8, 1924. Serial No. 704,999. 3 Claims. (Cl. 50—11.)

1. A device of the class described comprising a housing having two openings leading therefrom, valves connected to control said openings, a bell crank mounted for actuating said valves simultaneously, a spring



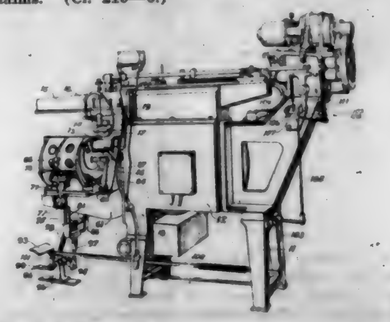
mounted to move said bell crank in one direction, and pressure controlled means connected to move it in the opposite direction.

1,534,421. HAT. RAYMOND SMITH, New York, N. Y., assignor to Bella Smith, New York, N. Y. Filed Oct. 2, 1923. Serial 666,063. 1 Claim. (Cl. 2—197.)



In a hat having a stiff head band and a lining therefor, open ends formed in the band, a pocket in the lining to receive one of said ends in telescoping engagement, the other end being adapted to overlie the outer surface of the band, a loop on the band through which the last named end passes, a fastener secured on the inner side of the last named end, co-operating fastening means sewed to the outer surface of the head band at a point beyond the loop for engagement selectively by said fastening device on the end for regulation of the size of the head band, and a seam in the crown open for an appreciable distance above the head band in proximity to the overlying ends, the side of said seam being disposed in overlapping relation.

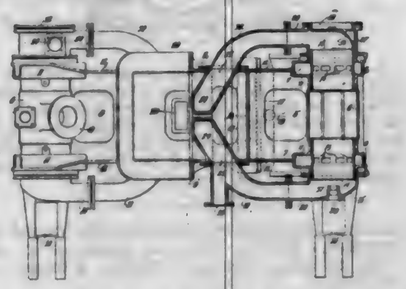
1,534,422. HOLDING FIXTURE FOR ELECTRIC WELDING OF SIDE SEAMS OF CONTAINER BODIES. WARREN A. SMITH, Geneva, and MAGNUS E. WIDELL, Maywood, Ill., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 28, 1921. Serial No. 448,628. 11 Claims. (Cl. 219—6.)



1. In an apparatus for securing together the edges of a metal sheet to form a cylindrical body, the combination of a horn upon which the edges to be joined are

to be suitably arranged and means maintaining the longitudinal edges of the sheet flat and arranging an edge on said horn and progressively wrapping said sheet about said horn to bring the other edge into predetermined relation with said first mentioned edge.

1,534,423. LOCOMOTIVE SADDLE STRUCTURE. HERBERT W. SNYDER and ALBERT J. TOWNSEND, Lima, Ohio. Filed Dec. 18, 1922. Serial No. 607,517. 10 Claims. (Cl. 105—44.)



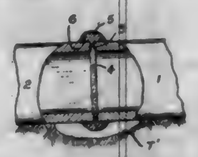
7. A locomotive saddle structure having passages for combining the exhaust steam from the main cylinder ends, with means for conveying the exhaust to said passages having a connection for admitting exhaust steam from other cylinders into the saddle along with that from the main cylinder.

1,534,424. SHOCK ABSORBER FOR VEHICLES. HUGO W. STARK and THOMAS D. REESE, Cupertino, Calif. Filed Dec. 5, 1921. Serial No. 519,848. 1 Claim. (Cl. 267—17.)



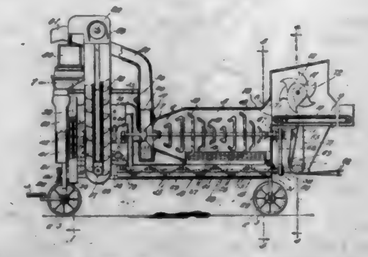
The combination with an axle supported leaf spring of a vehicle, of a lever pivoted intermediate its ends to the end of the spring, shackles connecting one end of the lever with the vehicle frame, said lever having side plates lying on opposite sides of the leaf spring, a seat connecting the side plates together below the spring, a pin extending through said seat into engagement with said spring and a coiled spring surrounding said pin and pressing it against said leaf spring.

1,534,425. PIPE JOINT. AUGUSTUS H. STOWELL, Spokane, Wash. Filed Apr. 7, 1923. Serial No. 630,537. 1 Claim. (Cl. 285—111.)



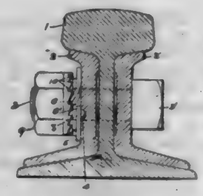
A joint comprising spaced pipe sections each having a smooth exterior face and a coating of asphaltum thereon, the adjoining ends of said pipes having beveled faces to form an opening wedge shaped in cross section, a filling of cement in said opening, and an exterior band of cement integral with said filling embedded in the asphaltum coatings.

1,534,426. CENTRIFUGAL THRASHING MACHINE. HOMER L. STRONG and THOMAS E. FORSTER, Wichita, Kans. Filed Mar. 11, 1924. Serial No. 698,585. 11 Claims. (Cl. 130—27.)



1. In a thrashing machine, the combination of a thrashing chamber having an unthreshed grain inlet at its front and a straw and chaff outlet in its rear end, said chamber also having a threshed grain outlet, rotary thrashing means mounted in said chamber, a grain cleaning device positioned in rear of said chamber, means to convey the threshed grain from the threshed grain outlet of said chamber to said device, the front of said device having a chaff outlet, a fan housing positioned between said chamber and said device and having inlets communicating with the straw and chaff outlet of said chamber and the chaff outlet of said device, and a suction fan mounted in said housing.

1,534,427. WASHER FOR NUT LOCKS. WILLIAM H. TICE, Seaside, Oreg. Filed Mar. 8, 1924. Serial No. 697,875. 2 Claims. (Cl. 151—13.)

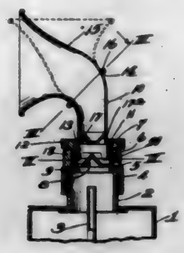


1. In a nut-locking device, the illustrated washer 5 having a hub, an integral rim on the hub with opposing integral, peripheral tongues in the rim, the surface of one end of the hub being flush with one surface of the rim and of the tongues if in alignment, the surface of the opposite end of the hub being at a convenient distance beyond the opposite surface of the rim and of the tongues if in alignment, one of said tongues having a rounded lug on its surface, the other tongue being sprung outwardly so that its free end extends slightly beyond the last mentioned surface of the hub, the said washer being arranged and adapted for the aforesaid tongue lug to engage an opposing recess and retain the washer in a fixed position, the free end of the other tongue to engage a conveniently disposed place of contact in the lower surface of a nut of common type.

1,534,428. RADIATOR FILLING AND COOLING CAP. EUGENE TOMLINSON, Kansas City, Kans. Filed June 5, 1922. Serial No. 565,825. 1 Claim. (Cl. 220—86.)

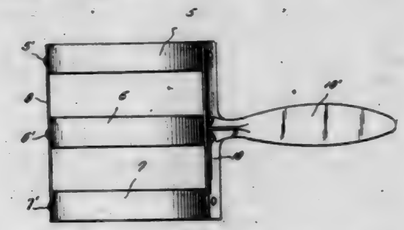
The combination with an automobile radiator nipple, of an extension threaded thereon and of reduced diameter and threaded at its upper end, a downwardly opening funnel in the upper end of said extension, a conical

deflector in the lower end of said extension and alined with the full opening and formed with a series of perforations surrounding its base, a filling member resting



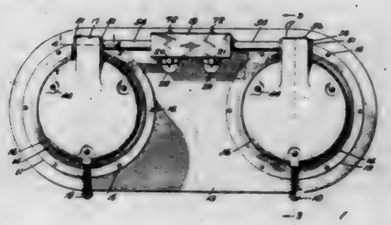
on the upper end of the extension, and a collar securing said filling member in position and having threaded engagement with the upper end of said extension.

1,534,429. JAR HOLDER. THOMAS H. TRIPLETT, Patterson, N. C. Filed July 2, 1924. Serial No. 723,756. 1 Claim. (Cl. 81—3.2.)



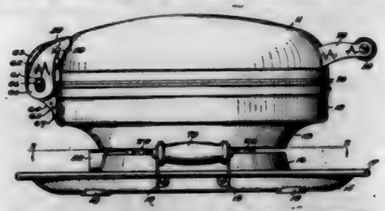
A jar holder comprising a pair of strips each having a handle located at a point intermediate its ends, a pair of bands disposed transversely of the strips, one end of one band being attached to one strip and an intermediate portion to the other strip, one end of the other band being attached to the other strip and an intermediate portion to the first strip, the portions of the bands extending from the attached intermediate portions overlapping the strips to which their ends are attached.

1,534,430. WAFFLE IRON. GEORGE F. WELLS, San Francisco, Calif., assignor to Wells Manufacturing Co., San Francisco, Calif., a Corporation of California. Filed July 17, 1923. Serial No. 652,084. 10 Claims. (Cl. 219—19.)



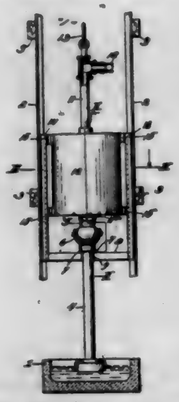
1. In an electrically heated cooking device, a metallic member to which heat is to be imparted, a support for said member, said support providing a supporting surface near the edge of the metallic member, an insulating ring-like gasket disposed between the support and the member, and means for fastening them together.

1,534,431. ELECTRIC WAFFLE IRON. GEORGE F. WELLS, San Francisco, Calif. Filed May 10, 1924. Serial No. 712,419. 15 Claims. (Cl. 219—19.)



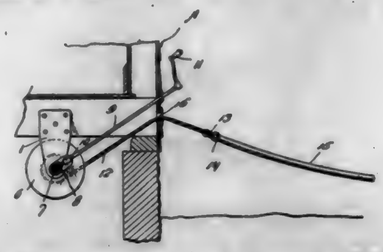
1. In an electrical cooking utensil, a metallic supporting base having depending side portions serving as rests for the base, a metallic member in which the cooking is to be performed, a heating element for said member, and means for supporting the metallic member on the base in such manner that there is substantially an uninterrupted air space between them.

1,534,432. APPARATUS FOR DRAWING GLASS CYLINDERS. WILLIAM WESTBURY, Elmira, N. Y. Filed Aug. 25, 1924. Serial No. 733,956. 4 Claims. (Cl. 49—17.1.)



1. A glass drawing apparatus, comprising a molten glass container, means for supplying air under pressure, a holder to receive such air, a bait detachably depending from and communicating with the holder, and means for raising and lowering the holder and bait.

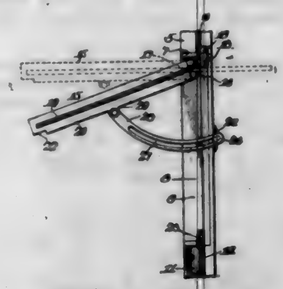
1,534,433. HOSE REEL. CHARLES M. WHITE, Fort Dodge, Iowa. Filed Sept. 22, 1924. Serial No. 739,179. 1 Claim. (Cl. 242—86.)



A hose reel comprising a pair of supporting brackets adapted to be secured to a pair of floor joists of a building, a shaft journaled between the lower ends of the brackets, a reel carried by the shaft, a cable secured

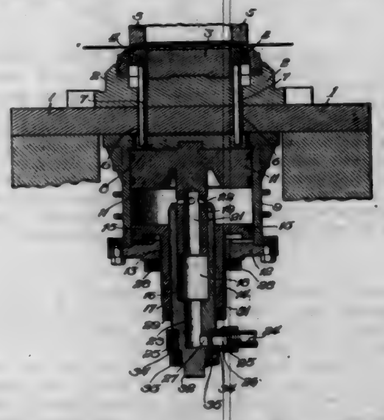
at one end to said reel, means on the other end thereof for attachment to one end of a hose, a beveled gear on one end of said shaft, an operating rod extending outwardly from the supporting bracket beyond the outside of the building, a beveled gear on the lower end thereof adapted to mesh with the aforementioned beveled gear, and a handle on the outer end of the rod for rotating the same whereby the reel is rotated and the hose is wound therearound.

1,534,434. WINDOW FOR LOCOMOTIVE CABS. OKE S. WIBERG, Chicago, Ill. Filed Nov. 12, 1924. Serial No. 749,434. 3 Claims. (Cl. 20—53.)



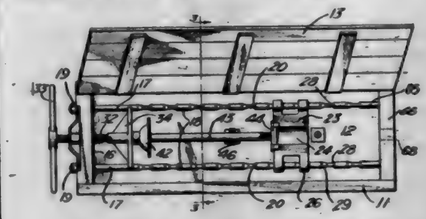
1. The combination in a locomotive cab and window therefor, of a sash mounted at its top in the frame of the window, said sash being open at its bottom and having a top horizontal and slotted rail pivotally mounted in said frame and provided on the inner surface of each of its sides with a groove in communication at one of its ends with said slot, each groove having its lower end closed, a glass pane removably located in said grooves and slot, and stopping means on said frame arranged to prevent the removal of said glass pane until the sash shall have been turned on its pivots to a predetermined point.

1,534,435. ADJUSTABLE AIR CUSHION FOR DRAWING DIES. MAGNUS E. WIDELL, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed May 7, 1920. Serial No. 379,473. 12 Claims. (Cl. 113—46.)



1. In a die press having dies for drawing metal articles, a descending die member and a yieldingly supported companion member, said yielding support for said die member including means forming an air cushion beneath the die and provided with outlet ports which are closed by the movement of the die, and means operated by the die movement for controlling the pressure of said cushion as the drawing action proceeds.

1,534,436. BENCH ARBOR PRESS. EDWIN F. WILKINSON, Los Angeles, Calif. Filed June 24, 1922. Serial No. 570,548. 9 Claims. (Cl. 29—85.)



1. In an article of the class described, the combination of: a bench having a covered recess; an anvil disposed within said recess; a crosshead horizontally movable within said recess; and a screw for forcibly moving said crosshead toward or away from said anvil.

1,534,437. SUPPORT FOR TENNIS AND LIKE NETS. HERBERT LEE WRIGHT, Birmingham, England. Filed Jan. 27, 1925. Serial No. 5,161. 13 Claims. (Cl. 273—29.)

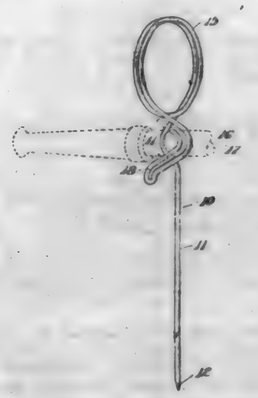


1. A support for tennis nets comprising a base fixedly mounted with respect to the ground, a post mounted on said base so as to rotate therein, means for rotating the post, means for securing the end of a cord to the post whereby rotation of the post will wind the cord thereon and draw it taut, and flanges on the post forming a narrow groove for accommodating the cord whereby its height on the post will not be altered as it is wound thereon, the lateral pull by the cord when taut causing sufficient friction between the post and its mounting in the base to prevent undesired rotation.

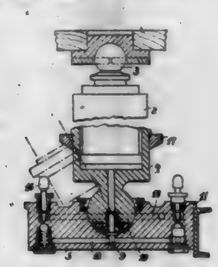
1,534,438. GARDEN-HOSE SUPPORT. WARREN L. ABBY, Watsonville, Calif. Filed Aug. 11, 1924. Serial No. 731,868. 1 Claim. (Cl. 248—29.)

A hose support formed of a single length of wire bent to form a shank, a semi-circular jaw formed at one end of said shank, a helically wound handle of comparatively large diameter formed as a continuation of said jaw, the end of the wire forming the handle being bent to form one half of a semi-circular clamping jaw disposed opposite the other jaw for co-operation therewith, the end of the wire continuing past the jaw on the

shank and then bent back upon itself parallel to the first half of the clamping jaw to form the second half of the clamping jaw, said halves of the clamping jaw being disposed upon opposite sides of the jaw on the shank, the inherent spreading tendency of said handle causing said jaws to yieldingly grip a hose inserted therebetween.



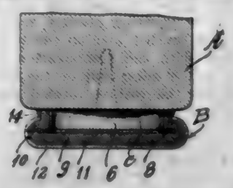
1,534,439. HYDRAULIC TILTING DEVICE. HANS BURKHARDT, Zollbruck, and ERNST WIRS, Stafa, Switzerland. Filed July 10, 1923. Serial No. 650,724. 2 Claims. (Cl. 298—22.)



1. A hydraulic tilting device for motor lorries comprising in combination a hydraulic jack, a ball joint at the lower end of said jack having a bore for the fluid under pressure and a stationary ball socket for said ball having bores for the inflow and outflow of the fluid under pressure and valves in said bores of the ball socket, a plunger for each of said valves and an annular collar on said press near the lower end designed to act on said plungers for opening the corresponding valve when said jack cylinder is in the inclined position.

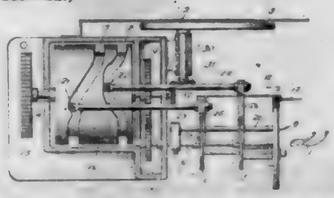
1,534,440. GLIDER FOR FURNITURE LEGS AND THE LIKE. EDWARD B. CARTER, San Francisco, Calif., assignor, by direct and mesne assignments, of one-half to Aubrey B. Shapard, San Francisco, Calif., and one-half to Drake Lock Nut Company, San Francisco, Calif., a Corporation of California. Filed Dec. 21, 1921, Serial No. 523,976. Renewed Feb. 12, 1924. 7 Claims. (Cl. 16—42.)

7. A glider or tip for furniture legs, comprising a metallic bowl-shaped cap, a rubber cushion inserted therein and having a rim projecting above the rim of the metallic bowl, a cup-shaped metallic member resting on the rubber cushion and having a flange at its base whereby the rim of the bowl may be crimped inwardly



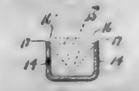
to a diameter less than that of the flange, so as to lock the parts together, and means carried by said metallic cup-shaped member for attachment to the furniture leg.

1,534,441. KNOT-TYING MECHANISM FOR USE IN WARP-TYING. JOSEPH COVELESKIE, Wilkes-Barre, Pa. Filed Aug. 1, 1923. Serial No. 655,116. 5 Claims. (Cl. 289—12.)



3. A combined knot tying and waste-end cutting mechanism for threads and the like, comprising means for forming a loop intermediate the ends of the threads, a reciprocating split hook adapted to draw the waste ends of the threads through the loop to form a knot, and a knife extending transversely through the split hook, but not reciprocable therewith, whereby when the knot is formed the waste ends of the threads are simultaneously cut off in the same operation.

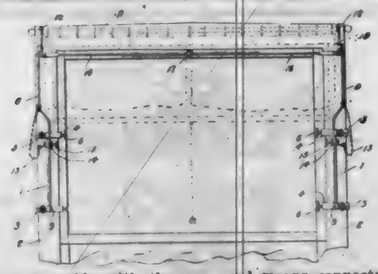
1,534,442. GEM SETTING. JOSEPH F. DONAHUE, Providence, R. I. Filed Dec. 10, 1921. Serial No. 521,508. 2 Claims. (Cl. 63—28.)



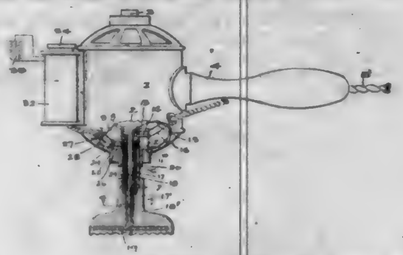
1. A gem-setting comprising a continuous seamless integral channel frame formed of sheet stock with a bottom portion and two opposite substantial parallel bendable side walls standing upwardly therefrom forming a continuous channel, whereby gems of varying diameters may be longitudinally adjusted while being set to cause their margins to closely abut, the edges of said walls being provided with a continuous beveled seat for the gems, the thin edges of said beveled walls being adapted to be folded over the edges of the gems to bind them in their different set positions in the setting.

1,534,443. CURTAIN HOLDER. THOMAS E. FARMER, Stockett, Mont., assignor of one-half to Italo Chelotti, Stockett, Mont. Filed Apr. 6, 1923. Serial No. 630,275. 3 Claims. (Cl. 156—22.)

1. A curtain fixture of the character specified, consisting of a bar, attaching clamps therefor engageable with a window frame disposed adjacent opposite ends thereof and at right angles thereto, each clamp having one of its sections as an integral part of said bar, a curtain supporting arm pivoted for swinging movement relatively to said bar, and means to normally hold said arm in operative position and against pivotal movement relatively to the bar consisting of a clip carried by the bar intermediate said clamps and having a clamp element engageable with the arm, and means connected to the clip and to the arm to limit the pivotal movement of the latter.

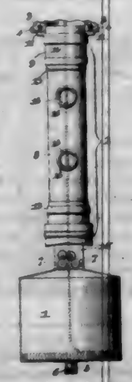


1,534,444. MASSAGE INSTRUMENT. ALBERT FELDHEYM, San Francisco, Calif. Filed July 25, 1923. Serial No. 653,684. 1 Claim. (Cl. 174—177.)



A device such as described, comprising a motor having an extended armature shaft; a source of electric current connected to said motor; an applicator detachably secured to said shaft; means in said applicator connected to said source of electric current for heating said applicator; and exposed positive and negative terminals on said applicator connected to said source of electric supply for passing faradic current to any surface with which said applicator terminals contact.

1,534,445. FABRIC RECEIVER FOR KNITTING MACHINES. GEORGE W. FITTING, Millville, N. J. Filed June 2, 1919, Serial No. 301,266. Renewed Sept. 16, 1924. 7 Claims. (Cl. 66—9.)



1. A fabric receiver for circular knitting machines adapted to move with the needle cylinder comprising a tube of transparent material through which the condition of the fabric is at all times visible to the operative.

1,534,446. METHOD OF PREPARING METALS FOR PAINTING. JAMES H. GRAVELL, Elkins Park, Pa. Filed Apr. 29, 1920. Serial No. 377,447. 1 Claim. (Cl. 148—8.)

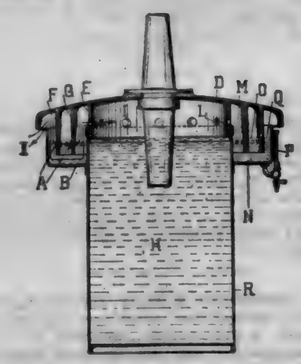
The method of preparing oiled steel for painting which consists in simultaneously chemically etching the surface and emulsifying the oil on the surface, and removing the products of the etching and emulsifying by washing the treated surface of the metal with water.

1,534,447. CENTER STRAP FOR TENNIS NETS. SAMUEL HARDY, Hoboken, N. J., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed July 10, 1922. Serial No. 574,020. 1 Claim. (Cl. 273—29.)



In combination with the center strap for a tennis net formed as an endless band, a buckle to secure the free ends of the bands adjustably together, a hook having a slotted base through which the strap is loosely passed, a vertical shank for the hook swiveled in the base with its axis substantially in line with the median line of the strap to permit the strap to revolve about its axis without twisting, and a snaffle to close the hook.

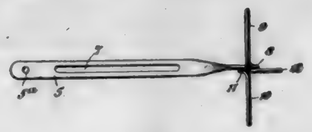
1,534,448. OIL CONTAINER FOR ELECTRIC APPARATUS. ERNST HAUSER, Schaffhausen, Switzerland. Filed Aug. 11, 1921. Serial No. 491,460. 4 Claims. (Cl. 220—85.)



1. An oil container and a stationary cover between which cover and the oil in the container is included an air space; in combination with an air filter arranged around the joint between said container and stationary

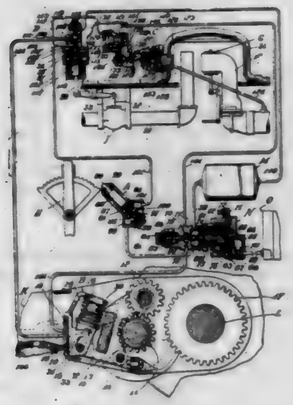
cover, and an absorbent of moisture contained in said filter, said filter having means to compel the air passing into the container to pass through said absorbent and means to provide an emergency passage for a large volume of air from the interior of the container through the filter to the outside.

1,534,449. SNOW GUARD. BYRON A. HUDSON, Woonsocket, R. I. Filed Feb. 14, 1924. Serial No. 692,777. 2 Claims. (Cl. 108—27.)



1. In a guard for the purpose set forth, the combination of a single piece of bendable material having a slot in the body thereof and an aperture in rear of the slot; said material being provided with an upstanding loop that terminates in a portion that rests flat with respect to the body.

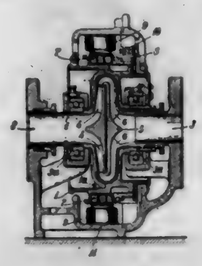
1,534,450. CONTROLLING MECHANISM FOR BOOSTER MOTORS. HOWARD L. INGERSOLL, Pound Ridge, N. Y. Filed Oct. 15, 1920. Serial No. 417,214. 17 Claims. (Cl. 105—48.)



1. In combination with the main driving means of a steam propelled locomotive and a booster motor for aiding the main driving means in starting the locomotive and propelling the same at low speeds; pressure controlled means actuated from the cylinder of the main driving means which operates, when subjected to pressure above a given pressure, to put the booster motor out of operation.

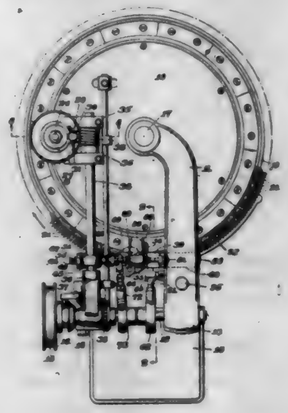
1,534,451. COMBINED ROTARY UNIT. FRANZ KAUTZ, Zurich, Switzerland. Filed Apr. 11, 1922. Serial No. 551,708. 2 Claims. (Cl. 103—87.)

1. The combination with the electrical parts of an electric motor including a stator, a stator frame and a rotor within said stator; of a pump casing concentric with an forming part of said rotor, tubular extensions integral with said casing, bearings accessible from the outside and interposed between said stator frame and said tubular extensions for rotatably mounting said rotor, and a blade for fluid within said pump casing, said tubular extensions having a length relatively to the width



of the electrical parts of said rotor that any leakage water splashed by centrifugal action clears said electrical parts.

1,534,452. MACHINE FOR UNITING LOOPED FABRICS. GEORGE KEYSER, Philadelphia, Pa., assignor of one-half to John W. Hepworth, Philadelphia, Pa. Filed Dec. 20, 1922. Serial No. 607,957. 20 Claims. (Cl. 112—25.)



1. In a machine for uniting looped fabrics, the combination of a supporting frame, a ring provided with impaling pins for carrying the fabrics to be united, means to revolve said ring continuously, a reciprocative support, a sewing needle carried by the support and movable thereon, a looper carried by the support and movable thereon, means to move the needle and the looper relatively to each other and to the support carrying them to produce stitches, and means to reciprocate the support laterally of the impaling pins passing the needle during the stitch producing operations and to cause the needle to meet and move in registry with an impaling pin at each reciprocation of the support, causing the needle and the looper to follow the line of travel of the fabric when the needle is in the loops thereof.

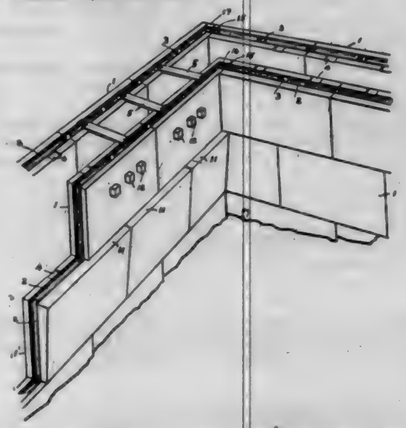
1,534,453. WATER COOLER FOR LOCOMOTIVES. CONRAD KOHLER, Zurich, Switzerland. Filed Dec. 13, 1921. Serial No. 522,106. 2 Claims. (Cl. 261—118.)

1. In a water cooling installation for condensing plants of steam driven vehicles, a plurality of successive air channels disposed longitudinally, means to supply water to be cooled by evaporation to each of said channels, deflecting means at the discharge end of one of the channels to deflect moisture laden air past the



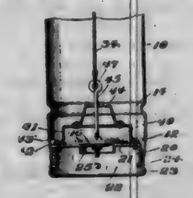
entrance to the next succeeding channel and to direct air for evaporation into the entrance to said next succeeding channel.

1,534,454. BUILDING WALL. JAMES P. LEWIS, Oakland, Calif. Filed Nov. 5, 1923. Serial No. 672,930. 3 Claims. (Cl. 72—44.)



1. A hollow wall comprising blocks having a groove extending around all of the edges, said blocks being laid in edge to edge relation in spaced rows with the grooves of the blocks in each row aligning to form a mortar receiving enclosed passage, and combined spacing and tying means extending between the rows engaging the inner walls of the aligned grooves in adjacent blocks in both rows and being formed to preserve a free channel through the enclosed passage.

1,534,455. DRILLED OR BORED WELL BUCKET. KNEUD E. LITTLE, Tahlequah, Okla., assignor to Horace Vickery Little, Pasadena, Calif. Filed May 13, 1922. Serial No. 560,732. 5 Claims. (Cl. 294—69.)

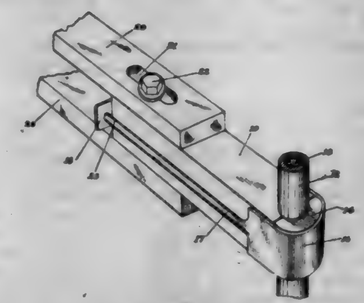


1. A well bucket, comprising a bucket body, a bottom closure attached in and closing the lower end thereof, said bottom closure provided with a port therethrough, and a valve unit detachably mounted on said bottom closure for controlling the port therein, the said valve unit comprising upper and lower spaced bearing brackets detachably mounted on the bottom closure and disposed thereabove, a valve normally seated on said bottom closure in position closing the port therethrough, a valve stem attached to said valve and mounted in alined bearings in said spaced bearing brackets for vertical movement, and a lift rod pivotally connected to said valve stem for raising said valve to unseated position opening the port in said bottom closure.

1,534,456. COMPOSITE RUBBER AND LEATHER MATERIAL AND METHOD OF MAKING THE SAME. ALLEN G. MCKINNON, Andover, Mass., assignor to Boston Rubber Shoe Company, Malden, Mass., a Corporation of Massachusetts. Filed June 5, 1923. Serial No. 643,555. 16 Claims. (Cl. 18—53.)

16. The method of finishing leather which comprises degreasing the leather, impregnating it with castor oil, joining to it by pressure a layer of vulcanizable material, embossing, curing by the aid of a cold cure accelerator, and superficially treating it with a solution of bromine.

1,534,457. ELECTRODE-CLAMPING DEVICE FOR ELECTRIC WELDING MACHINES. JOSEPH W. MEADOWCROFT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 16, 1921. Serial No. 492,696. 2 Claims. (Cl. 219—4.)



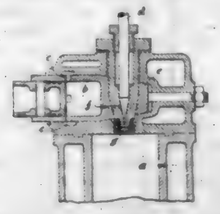
1. An electrode clamping device for electric welding machines comprising, in combination with an arm of the welding machine having a concave electrode seat at one end thereof to receive an electrode, a clamping block on the end of said arm provided with a concave seat engaging said electrode, a yoke embracing said block and provided with threaded rods, and means engaging said rods for adjustably connecting said yoke to said arm.

1,534,458. UNDERFRAME FOR VEHICLES OF ANY KIND. STEFFEN MÖHL, Copenhagen, Denmark. Filed Aug. 14, 1923. Serial No. 657,323. 1 Claim. (Cl. 280—106.5.)



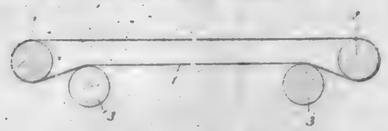
A suspension system for motor vehicles, comprising, in combination, a vehicle frame, a pair of laminated springs each connected at one end to said frame, a frame-shaped lever pivotally secured approximately at the center of its length to the vehicle frame and connected at one end to the free ends of said springs, a wheel axle carried by said lever at its opposite end, and a wheel axle carried by said springs approximately midway of their length.

1,534,459. INTERNAL-COMBUSTION ENGINE. FRIEDRICH MÜLLER, Vienna, Austria. Filed Apr. 3, 1923. Serial No. 629,672. 4 Claims. (Cl. 123—33.)



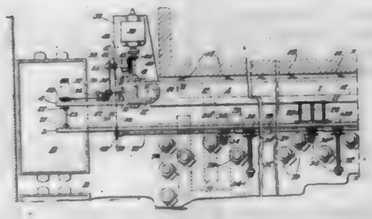
1. In combination an internal combustion engine comprising a working cylinder and an injection valve forming the delivery valve of an injection air compressor, a cylinder for the air compressor, a working cylinder head recessed to receive said compresser cylinder, said injection valve extending through the cylinder head and the air compressor cylinder.

1,534,460. PAPER-DRYING MACHINE. CLARE NELSON, Brooklyn, N. Y., assignor, by mesne assignments, to Charles C. Orcutt, New York, N. Y. Filed Apr. 13, 1922. Serial No. 552,173. 7 Claims. (Cl. 74—51.)



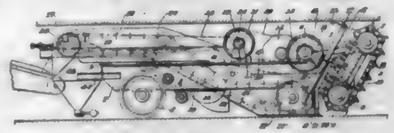
2. In a machine of the class described the combination of a paper-supporting apron having on each face engaging surfaces of restricted area and relatively close set, arranged in lines inclined to the direction of travel of the apron, the inclination of the lines on one face being opposite to the inclination of the lines on the other, a roller for supporting and moving the apron and by its contact with the engaging surfaces of the apron tending to move the latter laterally in one direction, and a second roller engaging said apron and arranged to exert a continuing lateral stress on said apron in a direction opposite to that in which the roller first named tends to move the apron.

1,534,461. MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Feb. 20, 1923, Serial No. 620,246. Renewed Oct. 8, 1924. 7 Claims. (Cl. 262—30.)



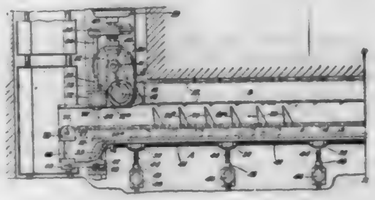
1. A mining machine comprising in combination a frame, a cutter chain having cutter bits thereon mounted on said frame and movable longitudinally thereof adapted to undercut and form a kerf in the material to be mined, a housing over said cutter chain, said housing having its forward edge below the upper ends of the uppermost cutter bits in the forward or material engaging portion of said cutter chain so as to permit the entrance of the forward portion of said machine into the kerf formed by said cutter bits, a conveyer mounted to the rear of and extending parallel with said cutter chain, means for simultaneously driving said cutter chain and said conveyer, and means for advancing said machine into the material being mined.

1,534,462. MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Feb. 20, 1923, Serial No. 620,247. Renewed Oct. 8, 1924. 4 Claims. (Cl. 265—5.)



1. The combination with a mining machine comprising a main frame, a cutter head, a conveyer for the cut material, and means for operating said conveyer and said cutter head, of a cover member arranged to the rear of said cutter head and extending between the roof and floor of said mine at each side of said main frame and from the roof downwardly to a point above said conveyer, between the side members of said main frame, and then rearwardly over said conveyer for an appreciable distance, and means for causing a circulation of the air in the immediate vicinity of said machine and for removing the dust therefrom.

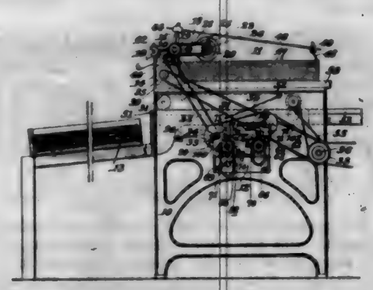
1,534,463. LONGWALL MINING MACHINE. EDWARD O'TOOLE, Gary, W. Va. Filed Aug. 13, 1924. Serial No. 731,810. 10 Claims. (Cl. 262—28.)



1. A combined mining and loading machine comprising an elongated main frame, a cutter chain adapted to travel lengthwise of said machine around a vertical axis in a clockwise direction, the forward or cutting strand of said cutting chain having its cutting bars extending beyond the forward edge of said frame so as to undercut and form a kerf in the material to be mined and permit the material to break down on said machine, an endless conveyer mounted to the rear of said cutter chain and extending parallel with said cutter chain, said conveyer traveling around a vertical axis in a counterclockwise direction, and being provided with overhanging horizontal extending flights, so that said conveyer flights co-operate with said cutter chain to convey the material broken down on said machine lengthwise thereof.

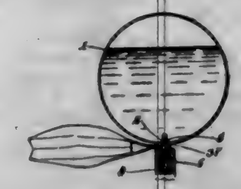
1,534,464. MACHINE FOR FEEDING SHEET MATERIAL. JOSEPH P. RENZ, Brooklyn, N. Y. Filed Mar. 5, 1923. Serial No. 622,906. 8 Claims. (Cl. 93—93.)

1. A feeding machine of the class described disposed above and geared in connection with a counting machine, means carried by the counting machine for releasing a feed control clutch and means for delivering a cover sheet from the feeding machine onto a stack of paper delivered from the counting machine when said clutch



is released, said delivery means including devices to engage the two topmost cover sheets to hold the second one while the top one is drawn off.

1,534,465. BAG-CLOSING TOOL. HUNTINGTON D. SAWKINS, Baltimore, Md. Filed Jan. 12, 1925. Serial No. 1,947. 7 Claims. (Cl. 226—56.)



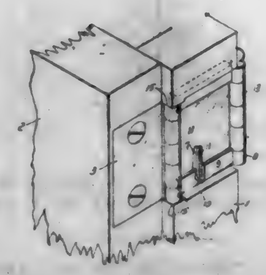
1. A tool for closing bags comprising a folding knife, means for supplying paste to the lateral surfaces of the folding knife, a folding arm having a cavity to fit and receive the knife, means for supporting the arm and the knife, and means for moving one of said members toward and from the other causing the knife to reciprocate into and out of the cavity.

1,534,466. LAMP-SHADE-JOINT CONSTRUCTION. ADOLPH SCHRAER, Philadelphia, Pa. Filed Feb. 1, 1923. Serial No. 616,427. 2 Claims. (Cl. 240—108.)



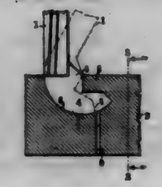
1. A lamp-shade joint including a sheet of resilient material forming the top of a shade and having the lower part of its periphery bent to form a lap, the lap being slitted into parts having their adjoining edges beveled; a sheet forming a continuous side wall with its upper edge taking into the lap, the lap having the beveled face of one slitted part overlapping the beveled face of the adjoining part, and means securing the sheet forming the side wall to the lap.

1,534,467. HINGE. JOHN J. SHEA, Jr., Elmhurst, N. Y. Filed May 13, 1921. Serial No. 469,858. 5 Claims. (Cl. 16—149.)



1. The combination with an outwardly swinging door and a supporting door post therefor, of a hinge for mounting the door to swing outwardly, including a section to be secured to the door and a section to be secured to the door post, means for detachably securing said sections together, said securing means including an intermediate hinge section having a pivotal connection with one of said first mentioned hinge sections, said pivotal connection being inset into the hinge mounting to protect it from access from without when the door is in closed position.

1,534,468. JOINT STRUCTURE. JOHN J. SHEA, Jr., Elmhurst, N. Y. Filed Oct. 30, 1922. Serial No. 597,709. 3 Claims. (Cl. 20—92.)

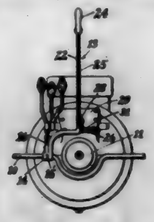


1. A structural joint, including, in combination, a structural element having a mortise therein provided with a laterally disposed lug at one extremity thereof, a second structural element having a tenon with an offset lug for engagement with said first mentioned lug for relatively bracing said structural elements against swinging movement in one direction, and bracing means, including a mortise and tenon similar to said first mentioned mortise and tenon but being reversely arranged for bracing said structural elements against swinging movement in an opposite direction.

1,534,469. COMBINED EMERGENCY BRAKE AND CLUTCH RELEASE. JAMES W. SHERMAN, Huntington Park, Calif. Filed Apr. 1, 1924. Serial No. 703,331. 2 Claims. (Cl. 74—89.)

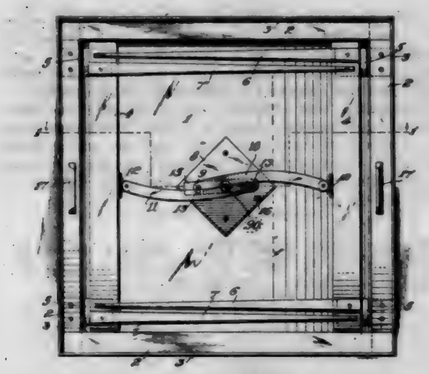
1. A combination brake lever and clutch release cam adapted for use with emergency brakes of the Ford type, said lever and cam having a common mounting sleeve and the handle of said lever being offset from said mount-

ing sleeve so as to assume a transversely central position in the automobile, and means secured to said lever, to



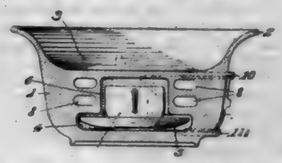
the transmission cover and to the side bars of the automobile for holding said lever and cam in any desired position.

1,534,470. FOLDING TABLE. GROVER D. SMITH, Montclair, N. J. Filed Apr. 26, 1924. Serial No. 709,099. 5 Claims. (Cl. 45—11.)



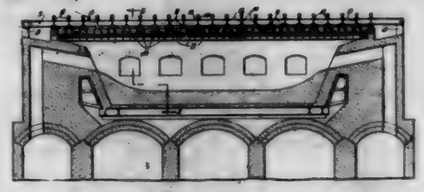
1. In a folding table, the combination with opposite legs in hinged relation to the table top, of links pivotally connected at their outer ends to said legs, an operating lever having its arms pivoted to said links so as to turn under tension past its positions of alinement of its points of said pivoting with the points of pivoting of the links to the legs, and means for limiting turning of said lever to positions slightly past said alinement positions.

1,534,471. SERVING DISH. WILLIAM LEONARD SMITH, Camden, N. J. Filed Sept. 28, 1921. Serial No. 503,754. 6 Claims. (Cl. 65—53.)



1. A serving dish comprising a one-piece molded body having its upper part shaped to form a receptacle of dinner-plate form, the portion of said body below said receptacle providing a horizontally disposed chamber having a shape and size which substantially conforms to that of a cup and saucer when disposed in conventional superposed relation, said chamber being adapted for the reception of such a cup and saucer in a position substantially in the axial line of the dish, and a horizontally slidable closure for said chamber.

1,534,472. OPEN-HEARTH-FURNACE ROOF. ENOCH P. STEVENS, Chicago, Ill.; Mary Ann Stevens executrix of said Enoch P. Stevens, deceased. Filed Nov. 20, 1922. Serial No. 602,019. 7 Claims. (Cl. 763—46.)

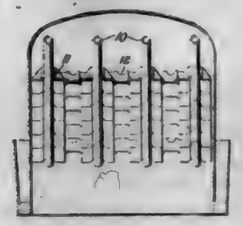


1. An arched furnace roof structure comprising in combination with the furnace walls, a supporting cradle and a plurality of roof tile suspended therefrom in the arc of the arch with freedom of expansion and contraction without imposing material thrusts on the furnace walls or material pressure on the tiles.

1,534,473. ALLOY ROLL STEEL. FRANK D. TAGGART, Wyomissing, Pa. Filed Apr. 10, 1923. Serial No. 631,201. 2 Claims. (Cl. 75—1.)

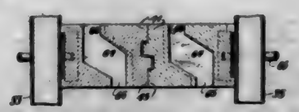
1. The improved alloy roll-steel described, composed mainly of iron, with percentages of carbon between 1.25 and 2.50, of chromium between 1.50 and 3.00, of vanadium approximately .25, and of molybdenum between .10 and 5.00; the minor elements present not exceeding one per cent.

1,534,474. ARCH AND ARCH BRICKS. ALFRED H. WILLETT, West New York, N. J., assignor to American Arch Company, a Corporation of Delaware. Filed Dec. 28, 1921. Serial No. 525,394. 3 Claims. (Cl. 110—87.)



1. An arch built of a plurality of invertible bricks of a single pattern, each of said bricks having on one face a supporting seat and on the other face and on each side of the supporting seat a brick engaging surface slanting inwardly from the face with the supporting seat, certain of the bricks in the arch being arranged in rows on the supports and others being arranged in rows other side down on the brick engaging surfaces of the first mentioned rows, the bricks so arranged being adjustable to different spacings between supports.

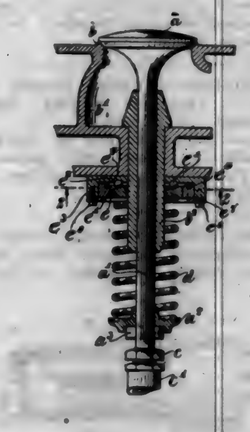
1,534,475. FIRE BRICK. ALFRED H. WILLETT, West New York, and HARRY S. MARTIN, Ridgewood, N. J., assignors to American Arch Company, a Corporation of Delaware. Filed Feb. 17, 1922. Serial No. 537,182. 3 Claims. (Cl. 110—87.)



1. A brick for sectional fire arches or fire walls having an edge for arching engagement provided with tongue and groove means for interlocking with corresponding

means on a similar brick, having its opposite edge recessed for interlocking engagement with lug means on an abutment structure, and having a crooked transverse passage therein.

1,534,476. ROTATING POPPET VALVE. GOTTFRIED WIEBER, Plainfield, N. J., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed July 27, 1923. Serial No. 654,098. 1 Claim. (Cl. 123—90.)



In an internal combustion engine, a valve having a valve stem, a spiral valve spring surrounding the valve stem, a spring seat fixed adjacent the end of the valve stem and engaged by an end of the valve spring, a thrust ball race engaged by the other end of the spring, a ball race secured to the engine cylinder, balls between said ball races, spring pressed pawls carried with the stationary ball race and engaging the movable ball race and means for reciprocating the valve.

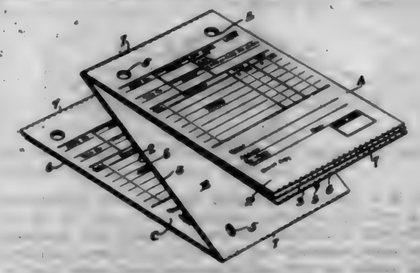
1,534,477. METHOD OF COATING ASBESTOS CLOTH WITH RUBBER. EDWIN C. WIMAN, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 24, 1920. Serial No. 426,250. 4 Claims. (Cl. 91—68.)



1. The method of coating short staple fabric with rubber which comprises, applying a rubber cement, at least partially setting the cement and then applying a coating of rubber.

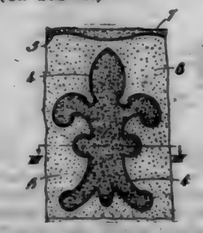
1,534,478. MANIFOLDING BOOK. WILLIAM J. WISWALL, Oakland, Calif., assignor, by mesne assignments, to American Sales Book Company, Limited, Toronto, Ontario, Canada, a Corporation of Canada. Filed May 25, 1921. Serial No. 472,241. 9 Claims. (Cl. 282—12.)

1. A supply pad of the character described including, in combination, a plurality of record strips folded zigzag, the folds of one interengaged with those of the others so as to provide superposed sets of superposed leaves connected end-to-end, each of said strips having a longitudinal series of transverse weakened lines and of feed-arresting apertures, the apertures of different



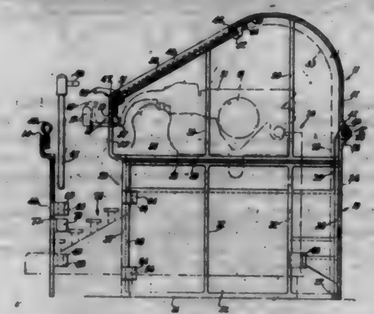
strips being at such points as to register with each other, in successive longitudinally related sets, with the weakened lines also in registry.

1,534,479. METHOD OF PRODUCING OBJECTS WITH DESIRED OUTLINE AND SURFACE. IVAR JOHAN EDVARD ÅGREN and GUNNAR ROSENQVIST, Uppsala, Sweden. Filed May 20, 1924. Serial No. 714,547. 4 Claims. (Cl. 204—6.)



1. A method of producing hollow articles with desired outline and surface, which consists in making galvanoplastic precipitations in a separable, permanent metal mold.

1,534,480. TYPEWRITING MACHINE. J FRANK ALLARD, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 13, 1921. Serial No. 469,114. 15 Claims. (Cl. 197—186.)



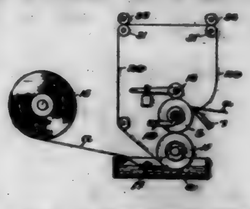
1. In a casing for a typewriting machine, the combination of a cast body portion comprising side walls, reenforcing ribs cast on the side walls, a cast cover comprising side walls, re-enforcing ribs cast on the side walls of said cover, cast ribs extending along the top edges of the side walls of the body portion to form ledges, and cast ribs extending along the lower edges of the side walls of said cover to rest upon said ledges.

1,534,481. MINERAL-SEPARATING MACHINE. OSCAR W. ALSTON, New Westminster, British Columbia, Canada. Filed Feb. 16, 1921. Serial No. 445,296. 3 Claims. (Cl. 83—85.)



1. In a mineral separating machine, the combination of a cylinder revolubly mounted and coated on its interior with a mineral-collecting substance and a coating roller and receptacle for the coating material combined with means for pivotally supporting said roller and receptacle together eccentrically with relation to the curved interior surface of the cylinder.

1,534,482. CRÊPING PAPER. EDWARD H. ANDIER, Framingham, Mass. Filed June 21, 1921. Serial No. 479,405. 16 Claims. (Cl. 92—69.)



1. The method of crêping paper comprising depositing moist stock on a smooth surfaced roll, depositing a separate impermeable band over the stock, pressing both into close adherence with the roll and crowding the stock back on itself while adhering to said roll.

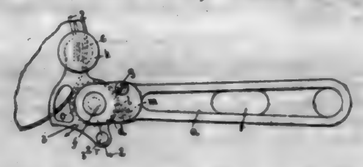
1,534,483. HEATER FOR MOTOR VEHICLES. ORLAN G. ARMSTRONG, Alliance, Ohio. Filed Mar. 21, 1924. Serial No. 700,900. 1 Claim. (Cl. 285—5.)



A heater comprising a manifold body provided at its opposite ends with openings, a pipe having its end portions passing through the openings, collars mounted upon the end portions of the pipe and partially entering the openings of the manifold body, spiders positioned against the outer ends of the collars and a rod traversing the length of the pipe and engaging the spiders and adapted to draw the spiders toward each other whereby the collars are moved along the pipe and projected into the openings of the manifold body.

1,534,484. CAN OPENER. WILLIAM H. AVERILL, Boston, Mass., assignor of one-half to Arthur C. Erisman, Brookline, Mass. Filed May 18, 1921. Serial No. 470,529. 1 Claim. (Cl. 30—3.)

A can opener comprising a propelling wheel having a serrated edge, a plate pivotally connected to said wheel, a knife projecting from said plate at the same side thereof as the wheel and having a cutting edge directed toward the wheel, a handle, and a link connecting the handle to the wheel and having a pivotal connection with both of the last named elements, the

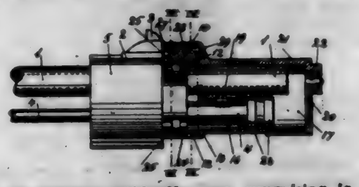


handle having teeth complemental to the serrations of the wheel adapted to engage therewith for imparting rotary movement thereto.

1,534,485. TOOTHACHE REMEDY. MINNITA BAILEY, New York, N. Y. Filed July 12, 1924. Serial No. 725,696. 2 Claims. (Cl. 167—9.)

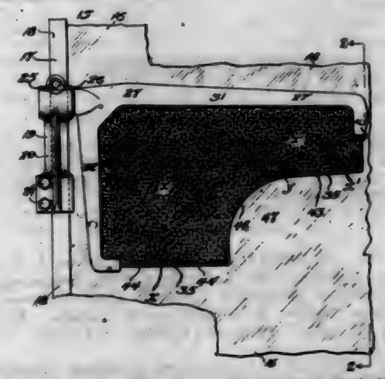
1. In a medicinal product, suitable for the relief of toothache, in combination, ground black mustard seed, oleum methae piperta, oleum terebinthinae, oleum sinapis and petrolatum.

1,534,486. SELF-LOADING FIREARM. SÖREN HANSEN BANG, Copenhagen, Denmark. Filed Dec. 18, 1922. Serial No. 606,573, 4 Claims. (Cl. 42—8.)



4. A gas pressure self-loading gun, comprising, in combination, a gun barrel and a piston for moving the gun lock, a detachable hood provided with an opening for the passage of a projectile, said hood having a guiding cylinder for said piston and a chamber in communication therewith, said chamber being of larger cross-sectional area than said piston, the piston being adapted to project beyond said cylinder and into said chamber once during each operation thereof thereby to eject powder slush from said cylinder into said chamber.

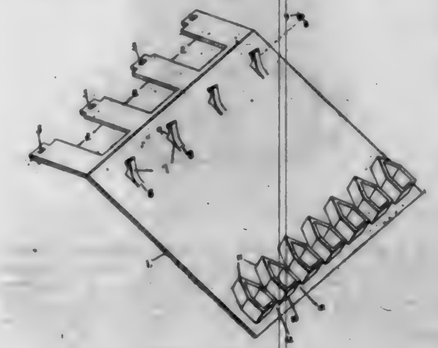
1,534,487. GLARE SHIELD FOR AUTOMOBILES. JOHN D. BANKS, Colwyn, Pa., assignor, by mesne and direct assignments, to Kil-Glar Company, Audubon, N. J. Filed June 19, 1920. Serial No. 390,091. 4 Claims. (Cl. 296—97.)



1. A device of the character described including a translucent glare shield having a body portion and a comparatively narrow extension projecting laterally

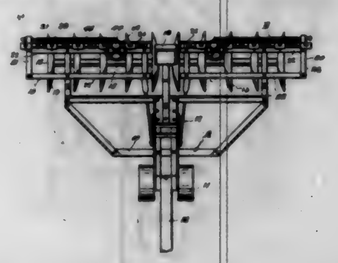
therefrom and terminating in a lower free edge portion which curves downwardly and merges into the adjacent side edge of said body portion; substantially as described.

1,534,488. MULTIPLE-UNIT HEARTH FURNACE. OSCAR L. BARNEBEY, Detroit, Mich. Filed May 7, 1921. Serial No. 467,638. 17 Claims. (Cl. 263—30.)



1. A multiple unit furnace hearth comprising an incline, integral supporting means for said incline and integral supporting means for another incline used in conjunction with said incline.

1,534,489. HARROW SCRAPER. CHESTER A. BARNES, Blue Grass, Iowa. Filed Nov. 16, 1923. Serial No. 675,225. 4 Claims. (Cl. 97—224.)



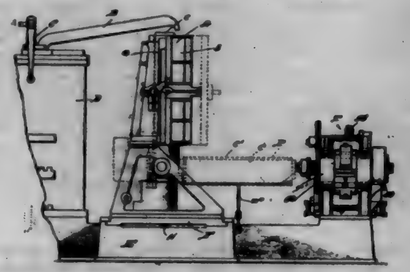
1. The combination with a harrow including a gang of harrow disks, of a scraper attachment for the disks including a horizontally disposed frame arranged above the gang of harrow disks, an arm pivotally secured to the frame for each disk, a scraper blade secured to the lower end of each arm for engaging the disk, a connecting bar arranged above the frame, means adjustably connecting each arm with the connecting bar, resilient means for normally urging the connecting bar in one direction for moving the scraper blade in an operative scraping position relative to the harrow disks, and manual means for moving the connecting bar in the opposite direction against said spring means.

1,534,490. RING EXPANDER. GEORGE C. BECK, Spokane, Wash. Filed Aug. 29, 1924. Serial No. 734,942. 10 Claims. (Cl. 74—109.)

1. A ring expander adapted to be disposed between the base of a piston groove and the ring therein, comprising a spring metal strip bent to form alternately disposed and relatively elongated ring and groove engaging sections and a relatively short supporting section between the ring and groove sections.

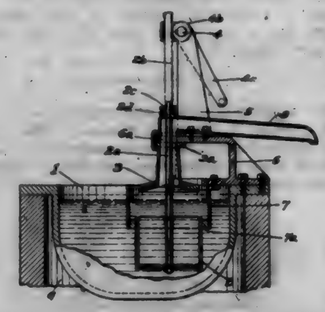


1,534,491. STEREOTYPE-PLATE CASTING AND FINISHING APPARATUS. HENRY F. BECHMAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Continuation of application Serial No. 39,449, filed July 12, 1915. This application filed June 9, 1917. Serial No. 173,903. 16 Claims. (Cl. 22—3.)



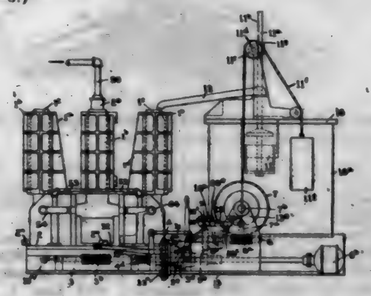
1. Apparatus for making and finishing tubular stereotype plates, comprising a plurality of tubular plate casting boxes, and plate trimming mechanism adapted to receive a tubular plate endwise from a casting box and trim same, and means for moving the boxes into and out of position to deliver plates to the trimming mechanism, substantially as described.

1,534,492. STEREOTYPE-METAL PUMP. HENRY F. BECHMAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Filed June 29, 1922. Serial No. 571,689. 19 Claims. (Cl. 22—70.)



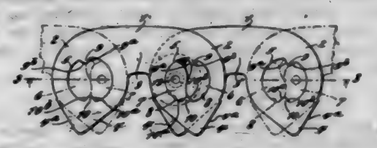
1. In a pump, a reciprocable ladle, a stationary piston, means for moving the ladle to telescope the piston and thereby discharge the fluid from the ladle; and a member surrounding the ladle whereby the fluid is caused to flow upwardly between the member and the ladle in order to enter the ladle.

1,534,493. STEREOTYPE-PLATE-CASTING APPARATUS. HENRY F. BECHMAN, Battle Creek, Mich., assignor to Duplex Printing Press Company, Battle Creek, Mich., a Corporation of Michigan. Filed July 17, 1922. Serial No. 575,070. 25 Claims. (Cl. 22—3.)



1. In apparatus of the character described; a turn table; a plurality of individual casting boxes mounted thereon; means for imparting a partial rotation to said turn table to bodily move the casting boxes thereon successively to and away from the casting point; a melting pot; a metal pump therein; means for conducting metal from the pump to the casting box in casting position; manually controlled means for releasing the turn table operating means when it is desired to shift the turn table; and means for automatically stopping the movement of the turn table when it has moved one box from casting position and brought another box into casting position.

1,534,494. POWER-TRANSMISSION CHAIN. WARREN J. BELCHER, Hartford, Conn., assignor to The Whitney Mfg. Co., Hartford, Conn., a Corporation of Connecticut. Filed Feb. 15, 1921. Serial No. 445,057. 18 Claims. (Cl. 74—32.)



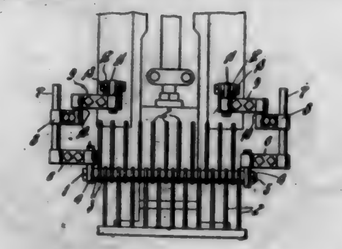
16. In a silent type chain, the combination of a plurality of overlapping links with registering apertures, two-part pintles for the joints, said parts having cooperating convex and concave surfaces in contact throughout a substantial portion of their area below the center line of the chain when the chain is under load between sprockets.

1,534,495. INTERCHANGEABLE COMBINATION KEY LOCK. EDGAR M. BENHAM, Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky., a Corporation of Ohio. Filed Apr. 26, 1922. Serial No. 556,708. 10 Claims. (Cl. 70—70.)



1. In a lock of the character described, in combination, a movable bolt bar, a main key mechanism including a rotatable cam member for moving said bolt bar, means, including a stop lever having a cam surface and movable into and out of dogging position with respect to said cam, controlling the operation of said main key mechanism, and means, including a movable bar covering said lever and having a pin slidably coacting with the cam surface on said lever, operable to place said stop lever out of said dogging position.

1,534,496. GUARD. LEROY A. BIGGAR, Oneida, N. Y. Filed Jan. 2, 1924. Serial No. 684,053. 2 Claims. (Cl. 164—86.)



1. A guard of the class described comprising a bolt, a plurality of fingers threaded thereon, washers threaded on the bolt for spacing the fingers apart, eye members for supporting the bolt, a pair of brackets and a plurality of hinged parts for connecting the brackets with the eye members.

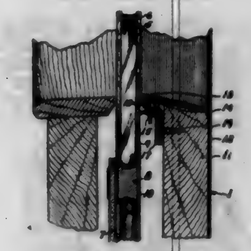
1,534,497. CONTAINER. KITCHELL M. BOOKMAN, New York, N. Y. Filed Apr. 30, 1924. Serial No. 709,978. 3 Claims. (Cl. 132—83.)



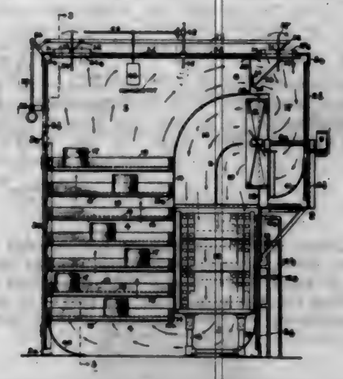
1. In a container, in combination, a flexible cover having a bottom portion and a top portion, the top portion being capable of being folded over and upon the bottom portion, a compartment carried by the inner face of the bottom portion having a plurality of exposed openings therein, a removable toilet preparation carrier within the bottom compartment having a plurality of openings in its upper face corresponding to the openings of the cover and a receptacle carrying cup within each carrier opening.

1,534,498. WEATHER-EXCLUDING MEANS. JOSEPH H. BOURGON, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 28, 1923. Serial No. 654,496. 9 Claims. (Cl. 296—48.)

1. In a device of the class described, a frame having a projection thereon forming a finish for an opening therein, a slidable closure for said opening, a projection on said closure, and a resilient weather strip between said projections on said frame and closure, said weather strip comprising a body portion and a plurality of projections thereon, said projections contacting with said projections on said frame and closure and with each other when said closure is in closed position.

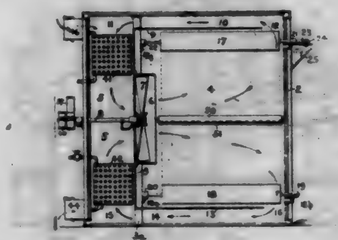


1,534,499. DRYING APPARATUS. WILLIAM G. R. BRAMMER, Cranston, R. I., assignor to General Fire Extinguisher Company, a Corporation of New York. Filed June 14, 1923. Serial No. 645,225. 9 Claims. (Cl. 34—39.)



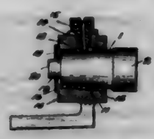
8. In a drying apparatus, a casing having a vertical division of less than the full height of the casing and dividing it into a vertical heating chamber and vertical drying chamber, said chambers in direct communication at the bottom and in indirect communication at the top, and further provided with doors on the side of the drying chamber opposite to the heating chamber, combined with suitable means for supporting the goods to be dried within the heating chamber, a blower intermediate of the communication between the upper parts of the drying chamber and heating chamber, heating coils within the heating chamber, damper means in the casing above the drying chamber and the passage leading to the blower for controlling communication between the atmosphere and the interior of the casing, and means in the communicating passage between the blower and the drying chamber and also located between the two dampers for controlling communication with the atmosphere whereby the circulation of air between the dryer and blower may be restricted by varying the resistance to its flow under the influence of the blower.

1,534,500. DRYING MACHINE FOR TEXTILE MATERIALS. WILLIAM G. R. BRAMMER, Haddonfield, N. J., and JOSEPH ROBERTS, Providence, R. I., assignors to General Fire Extinguisher Company, a Corporation of New York. Filed Oct. 23, 1924. Serial No. 745,293. 11 Claims. (Cl. 34—48.)



9. In a drying apparatus, a casing having a division wall providing a longitudinal drying chamber having inlet and outlet openings at opposite ends and a longitudinal heating and recirculating chamber arranged parallel to the drying chamber and in communication with it by openings transversely to its length, in combination with a plurality of parallel rollers arranged transversely along the length of the drying chamber at its upper portion, a plurality of parallel rollers arranged along the length of the drying chamber near its lower portion and about which upper and lower rollers the textil ematerial is alternately guided so as to travel largely in a vertical direction, a blower arranged in the wall opening between the drying and heating chambers for causing a circulation of air transversely to the general direction of travel of the textile material through the drying chamber, and means in the heating and recirculating chamber for heating the air during its circulation.

1,534,501. PIVOTAL BEARING. ALEXANDER T. BROWN, Syracuse, N. Y. Filed Sept. 7, 1920. Serial No. 408,497. 1 Claim. (Cl. 287—93.)

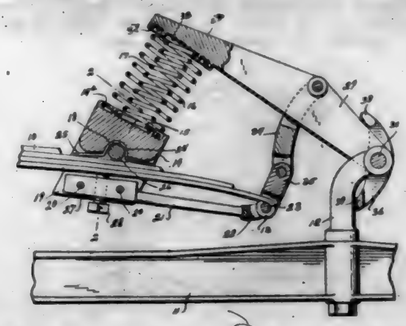


The combination of a pitman having a tapering spindle, an element having a conical bearing on the spindle, a bushing located in the bearing and encircling the spindle and connected to the bearing to be held from rotatable movement relatively to the bearing and to slide axially on the tapered spindle and in the tapered bearing and spring means carried by the pitman for pressing the bearing and bushing on the axially tapering spindle, substantially as and for the purpose specified.

1,534,502. SHOCK ABSORBER. WILLIAM W. CASHEL, Sr., Casper, Wyo. Filed May 2, 1923. Serial No. 636,223. 4 Claims. (Cl. 267—17.)

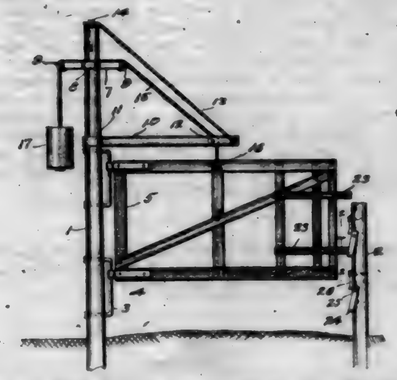
1. In a shock absorber and in combination with a leaf spring and support therefor arranged adjacent one end of the spring, a spring seat secured to the spring at a point spaced from the end thereof, a lever pivoted to the support and having a spring seat opposing the spring seat of the spring, a spring extending between said spring seats and tending to separate the same, and a connection between the lever, at a point intermediate

the spring seat thereof and the support, and the spring at the end thereof permitting movement of the spring toward the lever without transmitting movement from



the spring to the lever and during movement of the spring in the opposite direction moving the lever with the spring.

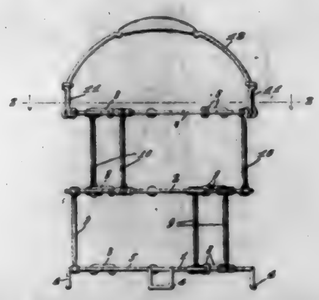
1,534,502. GATE. EUGENE N. COOPER, Stettler, Alberta, Canada. Filed Jan. 29, 1923. Serial No. 615,762. 1 Claim. (Cl. 39—14.)



In a device of the class described, the combination of a gate, a post, a pair of U-shaped members having their terminals piercing the post so that their intermediate portions are disposed vertically, hinge members on the gate engaging the intermediate portions of the intake members permitting the gate to swing in a horizontal position and also to move vertically, and a crane device mounted on said post consisting of a bar having an intermediate circular portion engaged with said post so as to revolve thereon, pulleys journaled in the ends of the bars, an arm provided at one end with a circular portion revolvably mounted on the post below the bar, a pulley carried in the end of the arm, a brace rod swivelly mounted at one end to the post and connected at its other end to the free end of the arm, a cable trained over said pulley and attached at one end to the gate, and a weight supported on the other end of the cable for counterbalancing the gate.

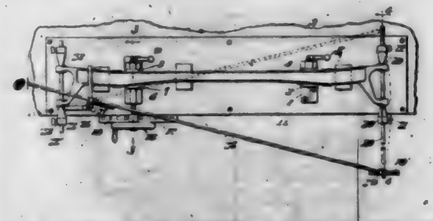
1,534,504. PORTABLE RACK. THOMAS S. CRAMPTON, Stemmersrun, Md. Filed Mar. 28, 1922. Serial No. 547,470. 1 Claim. (Cl. 211—14.)

In a rack, a shelf including spaced rings each crimped inwardly, the material of the inner ring terminating in a spiral occupying the space surrounded by the inner ring, all of the crimps occupying the same horizontal plane with the spiral, links engaging certain of the crimps of the inner and outer rings for holding said rings against relative movement, the crimps in the rings holding the links against displacement, another shelf



made up of inner and outer connected crimped rings, and connecting standards engaging certain of the crimps in the rings of the respective shelves, said crimps holding the standards against lateral displacement relative to the rings.

1,534,505. AXLE-SETTING TOOL. BURT W. DECATUR, Springfield, Mass. Filed Oct. 6, 1917. Serial No. 195,137. 6 Claims. (Cl. 33—180.)



1. A gaging device comprising a rod provided with measuring points, cones for centering the rod in the part to be gaged with the said measuring points equidistant from the selected point on the part to be gaged, and a measuring bar for gaging the distance between the said points.

1,534,506. DYESTUFF. GUILLAUME DE MONTMOLLIN and GÉRALD BONHÔTE, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 29, 1924. Serial No. 728,953. 6 Claims. (Cl. 260—96.)

1. As new products the new dyestuffs of the general formula:

$$R_1-N=N-R_2-N\begin{matrix}R_3\\R_4\end{matrix}$$

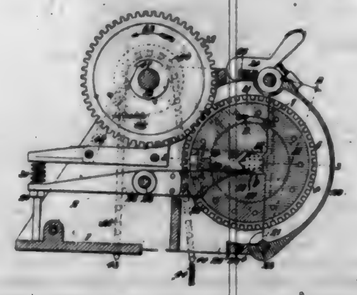
Wherein R_1 represents a non-hydroxylated benzene nucleus carrying at least one nitro-group, R_2 a benzene nucleus not having any sulfonic group attached in ortho-position to the azo-bridge and carrying the

$$-N\begin{matrix}R_3\\R_4\end{matrix}$$

group in para-position to the azo-bridge, R_3 a residue containing a benzene nucleus, and R_4 hydrogen or alkyl, and in which only one of the residues R_1, R_2, R_3 contains one sulfonic group, which dyestuffs form orange to violet-blue and greenish-black powders, dissolving in water to orange to brown and bluish-red solutions, and

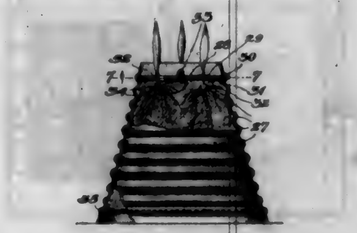
yielding on acetyl cellulose, when dyed in a feebly acid or neutral bath, from yellow to bluish-red and brown tints of good fastness to washing and of good to very good fastness to light.

1,534,507. METHOD OF AND APPARATUS FOR BISECTING FRUIT AND REMOVING A CIRCUMFERENTIAL SLICE THEREFROM. ARTHUR L. DUNCAN, Piedmont, Calif. Filed Nov. 10, 1924. Serial No. 748,821. 21 Claims. (Cl. 146—42.)



1. An apparatus for severing and removing a circumferential slice from a fruit, including means for cutting the fruit inwardly to sever a slice therefrom and for gripping the stone, means for rotating the fruit, stone and slice, and means for severing the inner surface of the slice from the fruit and for ejecting the slice from the remaining half sections.

1,534,508. APPARATUS FOR TESTING SOIL OR SEED. OSWALD CHARLES EARP-THOMAS, Richmond, Va. Filed Apr. 17, 1918. Serial No. 229,197. 8 Claims. (Cl. 47—34.)

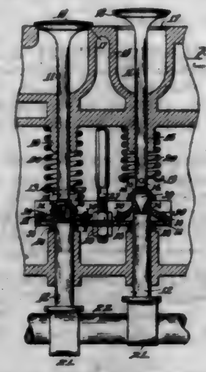


1. A device for testing soil or seed comprising a closed frusto-conical container having its end walls formed by removable disks adapted to fit the container body snugly, one of said disks being apertured to permit insertion of seed when the container is charged with soil.

6. A device for testing soil or seed comprising a container having a wall apertured for insertion of seed and a shutter device movable to control such aperturing.

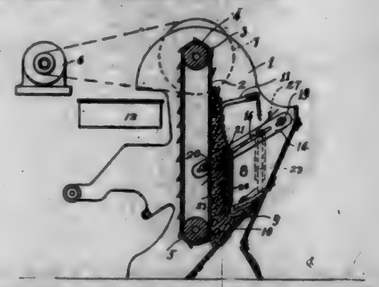
1,534,509. VALVE-OPERATING DEVICE. WRAY FALWELL, Fitchburg, Mass. Filed Sept. 9, 1924. Serial No. 736,793. 4 Claims. (Cl. 123—90.)

4. In a valve lifting device of the character described, the combination of a pair of pivot pins in fixed position, a pair of cam levers pivoted on the bottom surface of said pivot pins and extending inwardly toward each other therefrom, each cam lever having a cam on the end projecting upwardly from the lever, said cams having convex surfaces and a block of hardened steel resting on the upwardly projecting ends of the cam and having a lower surface provided with oppositely slanting walls



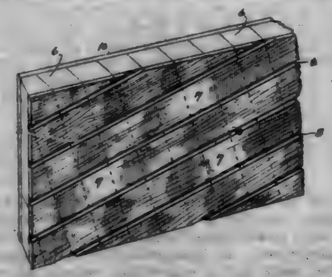
for receiving the thrust of the ends of said cams, whereby said block will be raised in a vertical direction without side motion.

1,534,510. PRESSER BOARD. JAMES M. FRASER, Stafford Springs, Conn. Filed June 18, 1924. Serial No. 720,868. 5 Claims. (Cl. 19—79.)



5. In combination, a presser board, for the purpose described, an elevating apron, means for permitting the board to automatically assume different vertical positions due to the force of gravity, said means comprising a pair of inclined supports secured to the main frame having a groove therein, a member in the groove, the presser board freely suspended on the member.

1,534,511. SHEATHING BOARD. MABEL H. FREDRIKSEN, San Francisco, Calif. Filed Mar. 17, 1924. Serial No. 699,910. 2 Claims. (Cl. 20—4.)



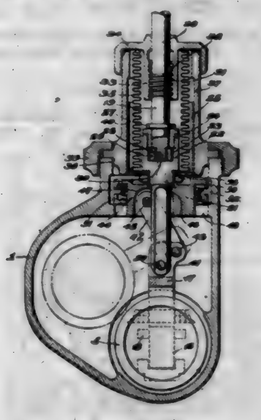
1. Sheathing board comprising two thin strips of material and a plurality of slats arranged between said strips and secured thereto, the said slats having their

side edges abutting each other, one of said strips being divided to provide a number of spaced apart slats extending at right angles to the joints between said interposed slats.

1,534,512. 1-ARYL-5-PYRAZOLONES AND PROCESS OF MAKING SAME. HERMANN FRITZSCHE and EMIL REBER, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 8, 1923. Serial No. 667,406. 4 Claims. (Cl. 260—45.)

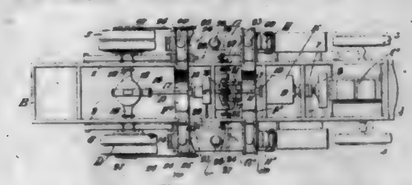
1. As new products the herein described new 1-aryl-5-pyrazolones carrying an SO_2NH_2 group in their aryl nucleus and forming colorless to slightly colored powders which dissolve easily in aqueous solutions of caustic alkalies.

1,534,513. GATE VALVE. WESTON M. FULTON, Knoxville, Tenn., assignor to The Fulton Company, Knoxville, Tenn., a Corporation of Maine. Filed Dec. 19, 1921. Serial No. 523,410. 25 Claims. (Cl. 251—15.)



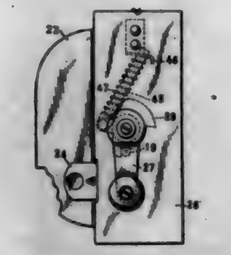
1. In a gate valve, the combination of a valve housing, opposed inclined valve seats therein, a wedge-shaped valve member for wedging engagement with said inclined seats, a valve stem, a motion-multiplying connection between said valve and stem swinging said valve laterally of said stem and transversely to the axis of said seats, and a flexible member providing a fluid-tight connection between said stem and housing.

1,534,514. AUTOMOBILE TRUCK. JULIEN A. GEHRUNG, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,768. 6 Claims. (Cl. 180—9.1.)



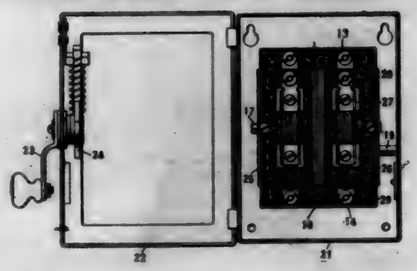
1. In an automobile truck in combination, a chassis; four wheels, one pair of which are operatively connectible with said power plane; a pair of chain-tread tractors located respectively on opposite sides of said chassis and between a front and a rear wheel; means for forcing said tractors into and out of tractive engagement with the road-bed; through cross-beams extending transversely to the said chassis secured thereto and overhanging said tractors on both sides thereof and serving as the supporting connection between said tractors and said truck and means for operatively connecting said tractors with said power plant.

1,534,515. ELECTRIC-SWITCH CONSTRUCTION. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Sept. 18, 1922. Serial No. 588,834. 15 Claims. (Cl. 200—50.)



15. In an electric switch, a sheet metal handle, a bearing washer, a spacing washer, a lost-motion washer, a sheet metal operating plate mounted on said lost-motion washer, an end washer, and securing means passing through all of said washers and said handle for securing them together.

1,534,516. SAFETY SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Oct. 31, 1922. Serial No. 598,059. 6 Claims. (Cl. 200—153.)

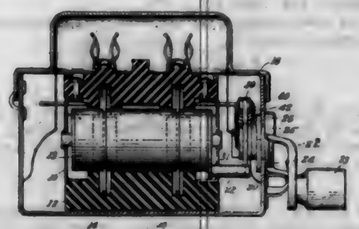


3. In an electric switch, an insulating base, oppositely disposed switch contacts with appurtenant line and load terminals carried by the opposite ends of said base, a switch blade movable between said contacts, side brackets secured to said base, a guard member detachably secured to said brackets and extending over the switch contacts and over the switch blade, line and load side fuse clips carried by said guard member and means for readily attaching the line side fuse clips with the load side switch terminals.

1,534,517. ELECTRIC SAFETY SWITCH. BENJAMIN E. GETCHELL, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Oct. 30, 1924. Serial No. 746,774. 7 Claims. (Cl. 74—14.)

1. A switch operating mechanism comprising a plate having a bearing, a bearing washer mounted therein, lateral supporting washers adjacent said bearing washer,

a handle having a flanged edge housing the outer washer, a throwing member having a lost motion connection with

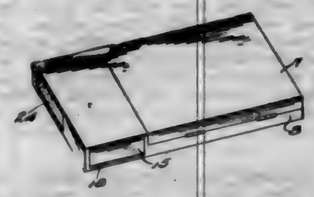


said handle, and a throwing spring having one end supported by said plate and connected to said throwing member.

1,534,518. INDOPHENOL SULPHUR DYESTUFFS AND PROCESS OF MAKING SAME. ARMIN GOESCHKE, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed June 21, 1924. Serial No. 721,592. 4 Claims. (Cl. 260—19.)

1. The herein described process of making new blue dyestuffs containing sulfur, fast to washing and boiling soap solutions, consisting in treating with alkali metal polysulfides the indophenols which may be obtained by condensation of nitrosophenols with diphenylamine derivatives having, on the one hand, at least one CH_3-group in ortho-position to the >NH-group, and, on the other hand, at least one free para-position to the same >NH-group.

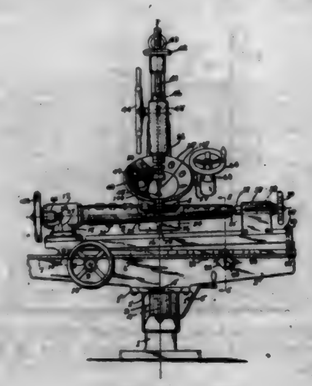
1,534,519. COMBINATION CIGARETTE AND MATCH CASE. ARTHUR T. GOODING, London, England. Filed Oct. 11, 1923. Serial No. 667,967. 2 Claims. (Cl. 206—38.)



1. A combined cigarette and match case consisting of a two part hinged structure provided with an opening through which cigarettes may be simultaneously urged from both parts, a match receptacle mounted in one of said parts, and means mounted in one of said parts and operable to simultaneously urge the matches and cigarettes from both of said parts.

1,534,520. MACHINE FOR FORMING SOCKETS ON MUSICAL INSTRUMENTS. EDWARD J. GULICK and MORRIS V. HAWKINS, Elkhart, Ind., assignors to C. G. Conn, Ltd., Elkhart, Ind., a Corporation of Indiana. Filed Oct. 19, 1922. Serial No. 595,672. 24 Claims. (Cl. 153—25.)

1. In a machine of the character described the combination of a support for an instrument body having holes, means for locking said instrument body on said support against axial and circumferential displacement, the support being provided with recesses in opposition to said holes, said recesses having a diameter larger than the holes, enlarging tools located in said recesses and having the contour of a portion of a sphere, and means



insertable into said recesses and radially insertable into the spherical part of the enlarging tools for withdrawing the enlarging tools from the body.

1,534,521. CLEANING DEVICE. OSCAR HALBECK, Brooklyn, N. Y. Filed Apr. 9, 1924. Serial No. 705,289. 1 Claim. (Cl. 15—133.)

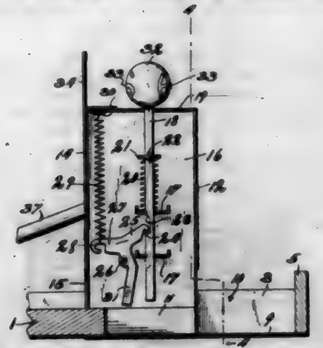


A cleaning device of the class described comprising a fluid containing receptacle, the neck of which is screw threaded on its exterior, a brush holding cup telescoping into the interior of the receptacle from the top of the latter, said cup being closed at its bottom and open at its top and being provided at the last named end with a lateral flange closing the open end of the receptacle, the outer end of said flange being directed downwardly and screw threaded to provide connection with said neck, a brush arranged in said cup and having its outer end extending beyond the corresponding end of the cup, and screw-cap threaded onto the connecting means for said cup.

1,534,522. GAME APPARATUS. LOUIS B. HALLIDAY, Cincinnati, Ohio. Filed Nov. 11, 1924. Serial No. 749,252. 4 Claims. (Cl. 273—118.)

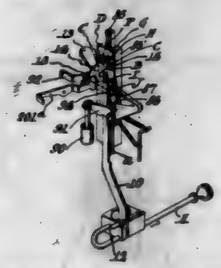
1. A game apparatus of the class described comprising a board adapted to be traversed by a projectile, a housing at one end of the board having a forward wall provided with openings, movable indicating members supported by the housing, each of said members being positioned inwardly of an opening, means for normally urging each of said members in one direction, and a latch mechanism for each of the members for holding

the same when moved in the opposite direction, said latch mechanism being adapted to be released by the impact of a projectile entering the housing, said end



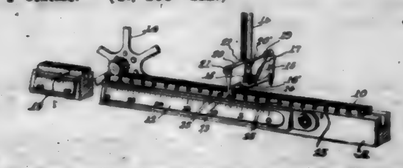
portion of the board being provided with a pocket extending inwardly of the housing below each of the latch mechanisms.

1,534,523. LINE-JUSTIFICATION-INDICATING MECHANISM. STEPHEN HARDER, Washington, D. C. Filed Nov. 7, 1922. Serial No. 599,612. 5 Claims. (Cl. 164—112).



1. In line justification indicating mechanism of the character described, the combination with a vertically movable space counting bar, of a valve actuating lever arranged in cooperative relation to the bar and having a part shifted by the bar when the bar moves to a selected position, a holding device arranged near the lever and adapted to automatically move into locking engagement therewith when the lever is shifted from the normal position, and means to advance said bar, said means also serving to operate the holding device for releasing the lever, when said means are shifted to the inactive position for resetting said bar.

1,534,524. SIGNAL MEANS FOR RECORD-STRIP COMPOSING MACHINES. STEPHEN HARDER, Washington, D. C. Filed Nov. 7, 1922. Serial No. 599,613. 4 Claims. (Cl. 164—112.)



1. The combination with the longitudinally moving em rack of a record strip composing machine, of a plurality of adjustable trips arranged upon said rack, a movable member having a part thereof arranged in the path of travel of said trips, and a signal actuating element operated by said movable member.

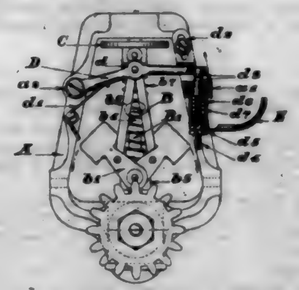
1,534,525. ACYLATED DIAMINES. MAX HARTMANN and JOHANN KÄGI, Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 2, 1924. Serial No. 723,795. 5 Claims. (Cl. 260—124.)

1. As new products the acylated alkylenediamines of the general formula:

$$\begin{matrix} R \\ R_1 \end{matrix}\!\!>\!N\!-\!(C_nH_{2n})\!-\!N\!<\!\!\begin{matrix} R_2 \\ R_3 \end{matrix}$$

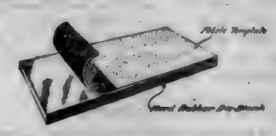
(wherein R means H or acyl, R_1 means acyl, R_2 and R_3 means H or a hydrocarbon radical, n means a whole number) which products form with acid salts are soluble in water.

1,534,526. AUTOMOBILE SPEED CONTROLLER. HENRY C. HILL Cincinnati, Ohio. Filed Jan. 24, 1923. Serial No. 614,669. Renewed Jan. 9, 1925. 1 Claim. (Cl. 200—80.



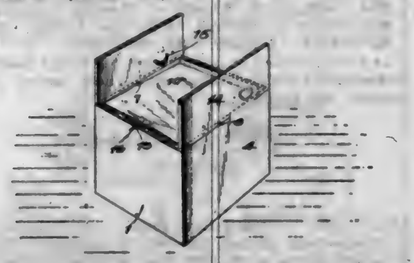
A speed controller for automobiles comprising a frame, a centrifugal spring governor mounted and revolving in said frame, an oscillating lever pivoted at one end to said frame and provided at the free end with an electrical contact point, means controlled by the travel speed of the vehicle to depress said lever, means to raise said lever when the depressing means is retracted, means adjustable to limit the reaction of said oscillating lever, a resilient electrical contact member which is impinged and depressed by the contact point in the free end of said oscillating lever when the speed limit has been reached, said impinged contact member mounted in an insulating shell and provided with a reciprocating plunger and reaction spring, means adjustable to limit the upward movement of said impinged contact member, and a conductor to connect said impinged member to a ground, whereby the current to the spark plugs is suppressed.

1,534,527. RUBBER FABRICATION. HENRY JOSEPH, Grayling, Mich., assignor, by mesne assignments, to Tucker Rubber Corporation, Buffalo, N. Y. Filed Apr. 16, 1921, Serial No. 461,791. Renewed Sept. 8, 1924. 22 Claims. (Cl. 18—01.)



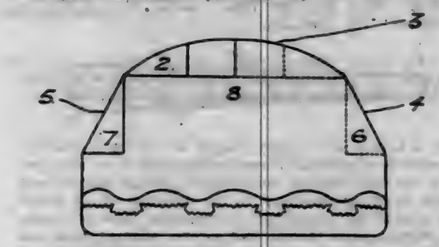
1. The process of producing a sheet rubber fabric having on the face thereof a positive reproduction of a textile fabric, which consists in impressing upon the face of a sheet of uncured hard rubber the superficial characteristics of a textile fabric, vulcanizing the said hard rubber sheet so as to produce a negative of the textile fabric, applying a sheet of uncured soft rubber to the negative, and vulcanizing the said sheet of soft rubber to form on the face thereof the positive design of the textile fabric.

1,534,528. RAT TRAP. WILLIS P. KENNEDY, Rogersville, Ala. Filed July 17, 1922. Serial No. 575,589. 1 Claim. (Cl. 43—69.)



An animal trap comprising an open top rectangular receptacle embodying end, side and bottom walls, one end wall having an open notch in the central portion of its upper edge and the side walls having transversely aligned notches in their upper edges nearer one end wall than the other end wall, a tilting platform arranged within and normally closing the top of the receptacle and including a transverse shaft having projecting ends seated in the notches of the side walls, an outwardly projecting pin carried by one end of the platform and normally seated in the notch of said one end wall to prevent downward tilting of the platform from its normal position in one direction, a weight suspended from said one end of the platform within the receptacle to normally cause the platform to assume its receptacle-closing position, upright plates removably pinned upon the upper edges of the side walls of the receptacle and overlying the projecting ends of the platform shaft to maintain the latter in the notches of the side walls, and bait receptacles supported by the upright plates and arranged at the inner sides of the latter adjacent the other end of the platform.

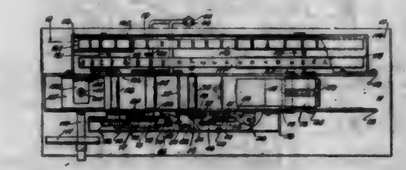
1,534,529. RUBBER TIRE. EDWARD BRICE KILLEN, London, England. Filed Dec. 21, 1922. Serial No. 608,251. 1 Claim. (Cl. 152—1.)



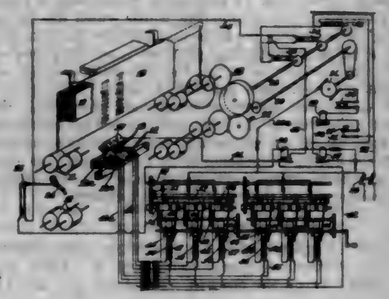
A rubber tire the tread of which has a cross-sectional profile comprising a central arcuate portion merging into right and left sloping side portions, deep grooves extending transversely of the tire from the apex of said arcuate portion down one side thereof, similar grooves in the adjacent sloping side portion and aligned with the first-mentioned grooves, other similarly formed grooves extending from the apex of the arcuate tread portion down the opposite side of the tire, the grooves on one side of said tread apex being disposed intermediate those on the other side.

11,534,530. COMBINED STAMPING AND COUNTING MACHINE. STANLEY J. KUSIEL, Holyoke, Mass. Filed June 28, 1924. Serial No. 723,054. 6 Claims. (Cl. 216—25.)

1. A combined stamp affixing and counting machine comprising a removable roller for a roll of stamps, a frame holding said roller provided with means for removably attaching it to the machine, means for advancing the strip of stamps unwound from said roll step by step through the machine, means for separating the single stamps from said roll, means for moistening the stamps, envelope supporting plate, means for depositing said separated stamps successively on an envelope deposited upon said plate, means for exerting a pressure on said stamp to affix it to the envelope, means for gaging the envelope, and the counting means actuated by said pressure exerting means to count the number of stamps used.



1,534,531. RELAYLESS COUNTER. CLAIR D. LAKE, Binghamton, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,078. 6 Claims. (Cl. 235—92.)

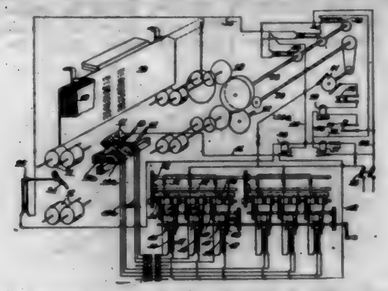


1. In a tabulating apparatus, the combination with a record card having an index point, of a record card circuit and a magnet circuit, circuit controllers in said circuits, one of said controllers being operated by the record card to establish both the card circuit and the magnet circuit, a magnet in said magnet circuit, means controlled by said magnet for interrupting the card circuit upon the establishment of the magnet circuit and means for concurrently and subsequently maintaining the flow of current in the magnet circuit.

1,534,532. RELAYLESS COUNTER. CLAIR D. LAKE, Binghamton, N. Y., assignor to The Tabulating Machine Company, Endicott, N. Y., a Corporation of New Jersey. Original application filed June 17, 1922, Serial No. 569,078. Divided and this application filed June 28, 1924. Serial No. 722,972. 4 Claims. (Cl. 235—92.)

1. In a tabulating apparatus, the combination with a record card having an index point, of a record card circuit and a magnet circuit, circuit controllers in said circuits, one of said controllers being operated by the record card to establish both the card circuit and the magnet circuit, a magnet in said magnet circuit, means

controlled by said magnet and comprising one of aforesaid circuit controllers which is operable independently



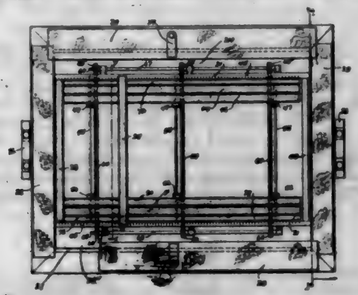
of the energisation of the magnet for shunting the card circuit and for maintaining a flow of current in the magnet circuit.

1,534,533. SPRING SUSPENSION FOR VEHICLES. CHARLES HENRY LUTMAN, Newburn, England, assignor of one-half to James Liptrot Ardern, Newcastle-on-Tyne, England. Filed June 12, 1924. Serial No. 719,609. 14 Claims. (Cl. 267—45.)



1. A spring suspension for vehicles comprising a pair of spring units, each of said units comprising a plurality of spring plates of tapering width which are in contact at their widest portions and diverge towards their outer ends, said contacting portions comprising one end of the unit, a yoke, a lip on the underside of said yoke adapted to receive the contacting ends of said pair of units, means for rigidly securing said contacting ends to said underside of the yoke, and means for connecting said yoke to one of the members of the vehicle between which the spring suspension is to be inserted, the outer ends of the plates of greater curvature being adapted to be connected to the other of said members.

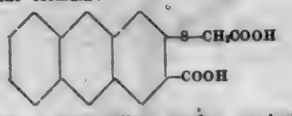
1,534,534. STRETCHING AND DRYING APPARATUS. ROBERT VALENTINE LYON, Buffalo, N. Y. Filed Sept. 30, 1921. Serial No. 504,816. 4 Claims. (Cl. 45—24.)



1. In a stretching and drying apparatus, a stationary bar at one end of the apparatus adapted to hold one end of a piece of fabric, a return bar adjacent the opposite end of the apparatus adapted to engage the fabric intermediate its ends, and adjustable holding bar movable between the return bar and the stationary end bar and adapted to hold the other end of the fabric, and transversely adjustable side holding bars adapted to hold the sides of the fabric between the stationary end bar and return bar and between the return bar and the adjustable end bar.

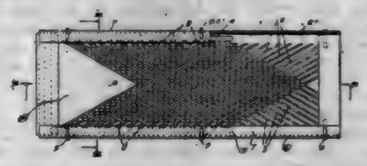
1,534,535. ANTHRACENE DERIVATIVE AND PROCESS FOR MAKING THE SAME. BERTRAM MAYER, Basel, and JAKOB WÜRGLER, Neuewelt, near Basel, Switzerland, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Jan. 4, 1924. Serial No. 684,451. 1 Claim. (Cl. 260—108.)

As a new product of manufacture the herein described anthracene-2-thioglycolic-3-carboxylic acid having most probably the formula:



which forms a citron-yellow powder, sparingly soluble in nitrobenzene, alcohol, and boiling water, but soluble in boiling glacial acetic acid to a yellowish solution, in sulphuric acid to an orange solution, in chlorosulphonic acid to a solution which is at first deep red and then brown, and in hot alkalies to an olive solution.

1,534,536. CONCENTRATOR. CONRAD M. MEYER, San Francisco, Calif. Filed Sept. 2, 1924. Serial No. 735,458. 4 Claims. (Cl. 33—89.)



1. In a concentrator of the character described, an inclined element having intersecting diagonal grooves with dished bottoms and steep remote edges in the top face thereof.

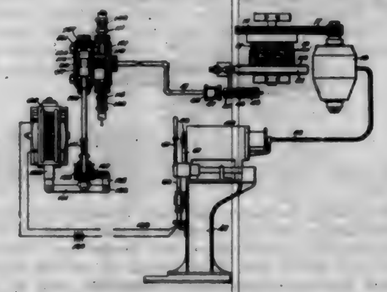
1,534,537. HOLDER FOR SOCKET-WRENCH SETS. EDWIN S. MILLER, Buffalo, N. Y., assignor to The Keystone Mfg. Co., Buffalo, N. Y., a Corporation of New York. Filed May 20, 1924. Serial No. 714,586. 4 Claims. (Cl. 206—16.)



1. A holder for a socket wrench set having a plurality of sockets of different diameters adapted to be arranged in a row, said holder comprising a trough shaped body which is of tapering form in the direction of its length and adapted to receive the corresponding sizes of sockets in different parts thereof, and a cover adapted to extend lengthwise over the body and the row of sockets and confine the latter therein, said cover being provided at one end with a hook and at its other end with a bead and said body being provided at one end with an opening which receives said hook and at its other end with a spring catch which receives said bead.

1,534,538. HOISTING APPARATUS. ALMON E. NORRIS, Brookline, Mass. Filed May 6, 1924. Serial No. 711,379. 12 Claims. (Cl. 192—2.)

1. In a hoisting apparatus, the combination with a winding drum, of a brake therefor, a spring for applying the brake, a pressure fluid device for releasing the same, an electrically controlled valve for admitting pressure fluid to or exhausting the same from said device, an alternating current motor for the winding drum, a controller therefor having connections to establish regenerative braking in lowering the load, a controller lever, and brake controlling devices operated by the lever coordinately with the controller, the same comprising a cam, a cam moved part actuated by the cam when the lever is moved between neutral and a lowering position, a switch for controlling said valve, and a lost motion connection between the cam moved part and the switch providing for the simultaneous movement of the switch with



the initial movement of the cam moved part when moved in either direction, whereby the movement of the lever to lower the load is accompanied by the quick release of the brake and the movement of the lever in the reverse direction is accompanied by a quick application of the brake.

1,534,539. PROCESS OF EMULSIFYING MILK OIL. CHARLES E. NORTH, Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del., a Corporation of Delaware. Filed May 29, 1924. Serial No. 716,597. 3 Claims. (Cl. 99—11.)

1. The process herein described of emulsifying milk oil and fluid milk to produce a natural flavored reconstructed cream which consists in mixing relatively small quantities of milk oil and dried milk powder, adding to this mixture, as a nucleus, fluid milk and milk oil, stirring the same to produce a paste emulsion and adding to such paste the quantity of fluid milk required to produce the desired finished product.

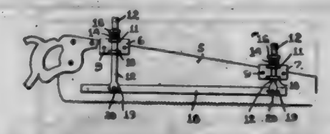
1,534,540. SHOE WITH REMOVABLE SOLE AND HEEL. JOSEPH PREZANITI, Elmsford, N. Y. Filed Apr. 11, 1923. Serial No. 631,252. 1 Claim. (Cl. 36—15.)



In a shoe having a permanent inner sole and a lining covering the same, said inner sole being provided with openings, a sole fastening means comprising conical flanges inserted into openings and impressed into the lining, prongs on said flanges lying between the lining and inner sole to retain the flanges in place, and means engaging said flanges for retaining a sole and heel on the shoe.

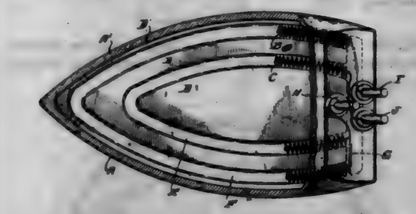
1,534,541. SAW GAUGE. WILLIS E. POSEY, Waco, Tex. Filed Feb. 9, 1924. Serial No. 691,752. 2 Claims. (Cl. 145—35.)

1. In a gauge for saws, saddles adapted to be secured to the said saw, guide rods having threads, means on the saddles in which the guide rods are slidable, a screw rotatably mounted on each saddle for engaging the threads of the said guide rods, means for preventing



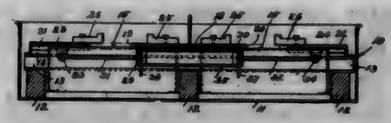
displacement of the screws, gauges having slots and elements extending through the slots for connecting the said gauges to the guide rods.

1,534,542. ELECTRICALLY-HEATED SADIRON. ALFRED E. RIMMER, New York, N. Y., and CHARLES C. WAITE, Roselle Park, N. J. Filed Oct. 11, 1920. Serial No. 416,087. 9 Claims. (Cl. 219—25.)



1. An electrically heated sad iron having three coupling-pins located at the apices of an isosceles triangle, two heating elements of different heating capacity located in said iron, the element of greater heating capacity being located close to the side of the iron, the element of lesser heating capacity being located nearer to the middle of the iron than is the element of the greater heating capacity, the ends of the elements being connected with the pins, and a coupling-switch adapted to contact with said coupling pins and connect said heating elements in predetermined relation, said switch having four contact terminals two of which are connected together to form one pole and the other two connected together to form the opposite pole of an electric circuit.

1,534,543. SPRING SETTING AND TEMPERING APPARATUS. PHILIP RIEDELL, PAUL B. CABOT, and KENNETH R. HERMAN, Los Angeles, Calif., assignors to United States Spring Co., Inc., Los Angeles, Calif., a Corporation of California. Filed July 11, 1922. Serial No. 574,236. 9 Claims. (Cl. 266—6.)

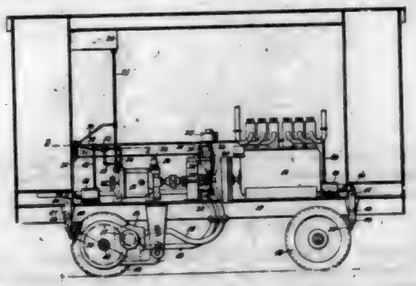


1. A spring setting and tempering apparatus, comprising a fluid reservoir, a spring setting or clamping mechanism disposed in said reservoir, and means for altering the fluid level in said reservoir.

1,534,544. VEHICLE BRAKE. JOHN ROBSON, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Quebec, Canada, a Corporation of Canada. Filed May 25, 1923. Serial No. 641,337. 12 Claims. (Cl. 303—10.)

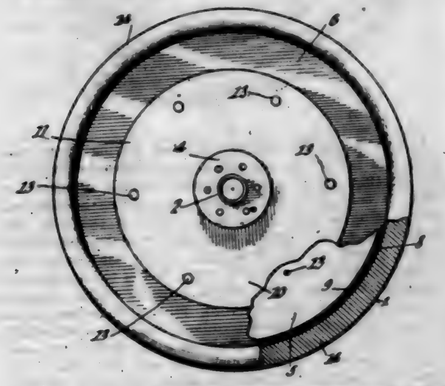
1. In a power-propelled vehicle, a power plant of the type in which a liquid under pressure is used to

transmit power to the vehicle drive, a governor operatively connected with said power plant, and a brake con-



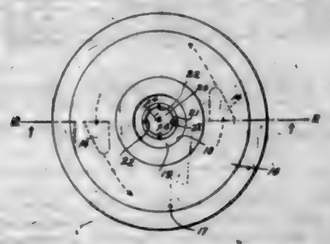
trolled by said governor to be applied automatically whenever the speed of the power plant exceeds a predetermined limit.

1,534,545. VEHICLE WHEEL. JOHN CHARLES ROGERS, Bastrop, La. Filed Oct. 10, 1924. Serial No. 742,828. 5 Claims. (Cl. 301—63.)



2. A wheel of the class described comprising a hub having annular longitudinally spaced flanges, resilient disk-like plates secured between said flanges and diverging toward their perimeters, spring steel plates mounted on the outer faces of said disks and operating as guides and supports therefor, means for connecting and adjusting the tension of said plates, and a removable tread mounted on the perimeter of said plates.

1,534,546. SPRINKLER HEAD. JOHN D. ROSS, Pasadena, Calif. Filed July 11, 1922. Serial No. 574,126. 2 Claims. (Cl. 299—19.)



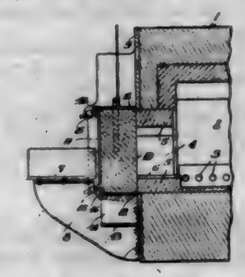
1. A centrifugal sprinkler head comprising a hollow body member provided with a fluid inlet port leading to its hollow interior and with a substantially circular outlet port in its top wall having two pairs of downwardly projecting prongs extending inwardly toward said hollow interior and formed on its edge, the said prongs being spaced equidistant from each other.

1,534,547. PENCIL SHARPENER. LAURENTS RUFF, New York, N. Y. Filed Jan. 26, 1922. Serial No. 531,838. 6 Claims. (Cl. 120—85.)



5. A pencil sharpener comprising a barrel into which a pencil may be inserted, a bracket on said barrel, a cutting blade pivotally mounted on said bracket and extending into said barrel, said blade having its cutting edge inclined in two directions, an adjustable stop on said bracket whereby the pivotal movement of said blade in an outward direction is arrested, a tubular cap mounted upon the entrance end of said barrel and including resilient fingers whereby the pencil is centered in said sharpener and a plunger connected with said barrel and provided with means for pointing the lead of said pencil.

1,534,548. FURNACE STRUCTURE. LEON D. SLADE, Rochester, N. Y., assignor to Gleason Works, Rochester, N. Y., a Corporation of New York. Filed Apr. 18, 1922. Serial No. 554,749. 13 Claims. (Cl. 263—46.)



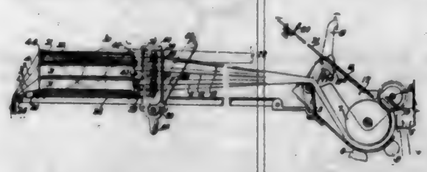
1. The combination with a furnace having an opening through which articles are fed, of a stationary floor at the bottom of the opening, a door for closing said opening, and a movable floor section that is automatically actuated into a position adjacent to said stationary floor when the door is opened.

1,534,549. SWITCH CONTROL CIRCUIT FOR AUTOMATIC TELEPHONE SYSTEMS. ARTHUR BESSEY SMITH, Evanston, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Original application filed Sept. 19, 1919, Serial No. 324,997. Divided and this application filed Nov. 29, 1922. Serial No. 603,934. 3 Claims. (Cl. 179—16.)



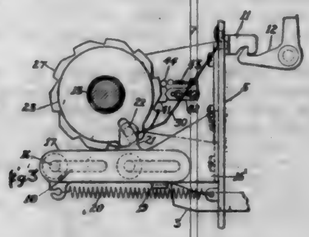
1. In combination, a line circuit, a relay and a battery in said circuit, the line being charged while the circuit is closed, a relay having contacts for intermittently interrupting said circuit, contacts on said second relay for closing a shunt path for discharge currents around said first relay every time the said circuit is interrupted, a condenser in said shunt path, a discharge circuit including a second battery for discharging said condenser while the line circuit is closed, and contacts on said second relay for closing said discharge circuit.

1,534,550. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 11, 1920. Serial No. 429,840. 24 Claims. (Cl. 197—126.)



1. In a typewriting machine, the combination with a carriage, and a platen journaled in said carriage and around which work-webs are adapted to be fed, of an extension of said carriage, a carbon-paper carriage reciprocable upon said extension toward and from the platen, carbon-web-supplying magazines carried by said carbon-paper carriage between the work-webs for containing reserve carbon-paper web supplies interleaved between said work-webs and feedable directly forward into position for active use when required, a space being provided between adjacent magazines for the passage of a work-web, and means to prevent withdrawal of the carbon-paper webs from said magazines, except when a stretch of used carbon is to be replaced by fresh carbon from the reserve.

1,534,551. COIN-COUNTING DEVICE FOR MONEY-PAYING MACHINES. ALEXANDER E. SORUM and ROBERT T. BROCKMAN, Terre Haute, Ind., assignors to International Money Machine Company, Terre Haute, Ind. Filed May 15, 1914, Serial No. 494,887. Renewed Aug. 22, 1921. 4 Claims. (Cl. 235—91.)



1. In calculating mechanism of the class described, the combination of a support, a shaft mounted thereon, a plurality of registers carried by the shaft, each register including an operating disk and wheels adapted to be actuated from said disk, a spring retracted slide bar associated with each register and having connection with the disk of such register, and an operating member coacting with each slide bar aforesaid to cause accumulating action of the registers.

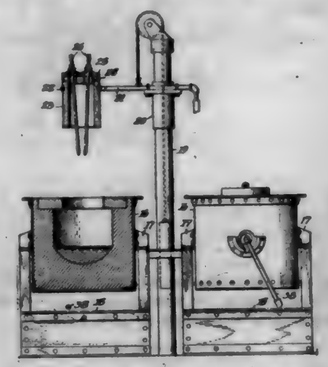
1,534,552. LIFE PRESERVER. HAROLD C. TYNER, Culver City, Calif. Filed Apr. 1, 1924. Serial No. 703,367. 2 Claims. (Cl. 9—17.)

1. In a bathing suit, a shoulder split from the neck opening to the adjacent arm hole, fasteners for detachably holding the split edges of the shoulder together, and a split ring pneumatic tube extending from the



front of said split shoulder around the neck opening of the suit to the rear of said split shoulder.

1,534,553. ELECTRIC HEATING UNIT. FREDERICK VON SCHLEGELL, Chicago, Ill. Filed Sept. 13 1920. Serial No. 409,833. 17 Claims. (Cl. 204—64.)



1. A heating unit comprising a plurality of electrodes, and an insulating support holding said electrodes in substantially parallel relation to ensure maintenance of an arc between the ends of said electrodes as the latter are consumed.

1,534,554. METHOD OF TREATING WASTE OF BENZOL RECOVERY. FRED W. WAGNER, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 25, 1923. Serial No. 634,604. 4 Claims. (Cl. 196—76.)

3. The herein described method of treating a residue containing coumarone which consists in adding to it petroleum oil and water, heating, allowing the mass to cool and settle, decanting, subjecting the remaining semi-solid mass to distillation, then adding oil, and allowing coagulation to follow.

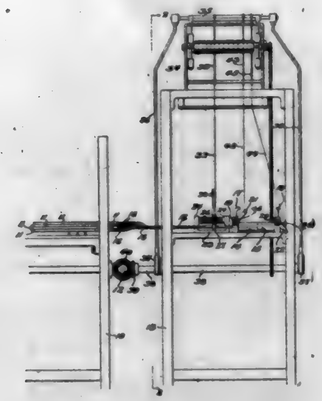
1,534,555. METHOD OF TREATING WASTE OF BENZOL RECOVERY. FRED W. WAGNER, Pittsburgh, Pa., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 25, 1923. Serial No. 634,605. 3 Claims. (Cl. 196—76.)

2. The method herein described of treating a residue containing coumarone which consists in forming with it an aqueous emulsion, adding to the emulsion petroleum oil and allowing the whole to stand, then decanting, and subjecting the remaining substance to distillation.

1,534,556. THREAD MOVING AND CONTROLLING MEANS FOR KNITTING MACHINES, ETC. ROBERT E. WALLISER, Chicago, Ill. Filed May 14, 1924. Serial No. 713,246. 8 Claims. (Cl. 66—12.)

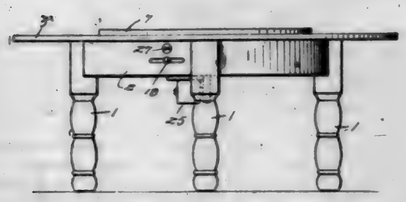
1. A thread guide; a source of energy normally held against action; operating means for said thread guide;

pattern-controlled means for releasing said energy to effect movement of said thread guide through the me-



dium of said operating means; and means for limiting to different extents the movement of said thread guide and also controlled by said pattern means.

1,534,557. SELF-SERVING TABLE. COMMODORE D. WILLIAMS, Caruthersville, Mo. Filed Mar. 9, 1923. Serial No. 623,944. 3 Claims. (Cl. 45—26.)

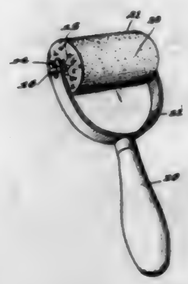


1. A self-serving table adapted for support on a floor comprising a stand, a table top mounted upon the stand, a rotary platform in substantially the same plane as the top and forming a continuation thereof, disposed centrally of the table top, a ring gear carried by the rotary platform, a drive shaft, means for rotating the drive shaft in one direction, and means engageable by a person while seated about the table, for connecting the drive shaft at either end to the ring gear whereby to rotate the platform in the required direction.

1,534,558. PROCESS OF MANUFACTURE OF D-*l*- AND L-*l*-COCAINE. OTTO WOLFES and HORST MARDER, Darmstadt, Germany. Filed Dec. 3, 1923. Serial No. 678,337. 1 Claim. (Cl. 260—25.)

Process of manufacture of *d-l*- and *l-l*-cocaine by converting *d-l-l*-egonine methylester by means of optically active acids into the corresponding salts, separating the *l-l*-salt from the *d-l*-salt by fractional crystallization of the latter, and isolating and benzoylating the bases in the usual manner.

1,534,559. PAPER-HANGER'S SEAM ROLLER. WILBUR R. YANT, Tulsa, Okla. Filed Apr. 11, 1924. Serial No. 705,764. 4 Claims. (Cl. 216—61.)



1. A device of the character described, comprising a yoke, a pin carried by said yoke, a roller of yieldable material upon said pin, and means carried by said pin for engaging in the yieldable material of the roller.

1,534,560. SAFETY CIGARETTE HOLDER. DELBERT R. BAITY, Los Angeles, Calif. Filed July 11, 1923. Serial No. 650,849. One Claim. (Cl. 131—61.)



A cigarette holder, comprising a mouth piece for holding a cigarette, and a pair of elongated members formed of a wire gauze secured together and detachably secured to said holder, said members being twisted circularly in opposite directions before securing the same together, foraminated circular plates for closing the ends of said elongated members and holding them in their twisted formation whereby to prevent accidental breakage of the members.

1,534,561. METHOD FOR USING DIRECT BLAST-FURNACE METAL FOR FOUNDRY CASTINGS. DAVID F. BAKER, Tarrytown, N. Y. Filed Feb. 29, 1924. Serial No. 696,087. 11 Claims. (Cl. 75—27.)

1. In the art of direct metal casting, the method which consists in varying the combined carbon in pig iron by varying the sulphur content, and maintaining the remaining elements at approximately the same percentage.

1,534,562. SOFT FOLD COLLAR. WILLIAM BARKER, Jr., Troy, N. Y., assignor to Lion Collars & Shirts, Inc., a Corporation of New York. Filed Aug. 16, 1921. Serial No. 492,779. 3 Claims. (Cl. 2—131.)

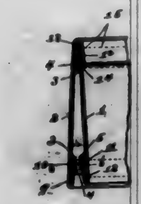
3. A fold-collar the body portion of which comprises a band and a folded-over top with inturned end edges,

and having a continuous facing strip extending transversely of the band and top at an end of the collar covering the outer surface of the end of the band and



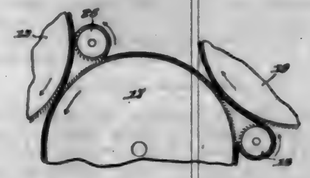
the inner surface of the neighboring end of the top, the edge of said facing strip being inturned and stitched to the inturned end edges of the band and top.

1,534,563. FOLD COLLAR. WILLIAM BARKER, Jr., Troy, N. Y., assignor to Lion Collars & Shirts, Inc., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,674. 6 Claims. (Cl. 2—131.)



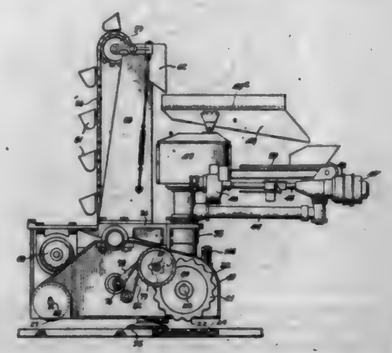
1. That improvement in the art of making fold-collars which consists in cutting a top-ply and a band-ply in forms adapted for the respective top and band to be made therefrom, running said plies together along their inner edges with the inner side of the band-ply adjacent to the outer side of the top-ply, folding the band-ply over its own inner edge, and stitching the folded-over portion of the band-ply to the top-ply along the inner edge of the latter on the opposite side of the inner edge of the band-ply from said first stitching.

1,534,564. METHOD AND APPARATUS FOR CARDING FIBROUS MATERIAL. EDDO V. BATES, Lowell, Mass. Filed June 2, 1924. Serial No. 717,241. 6 Claims. (Cl. 19—99.)



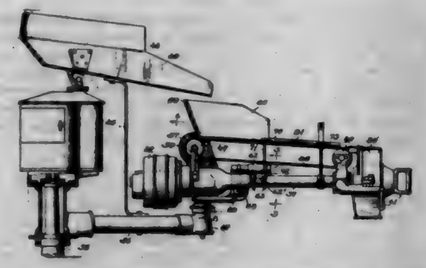
3. A machine for carding fibrous material comprising a swift having means coacting therewith to card fibrous material; a second swift also having means coacting therewith to card fibrous material, and arranged to receive carded material from said first swift in its progress through the machine; and means whereby certain portions of carded material received from said first swift may be returned thereto from said second swift for further carding.

1,534,565. PORTABLE MOLDING MACHINE. ELMER O. BEARDSLEY, Chicago, Ill., assignor to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 25, 1922. Serial No. 596,722. 19 Claims. (Cl. 22—36.)



1. In a machine of the character described, the combination of a truck adapted to travel over a floor, a molding machine on the truck, means to feed sand from a pile at the front of the truck when it is facing in one direction, and mechanism for lifting the truck to clear the floor and permit it to be turned horizontally over the floor to render the feed means operable with a pile when the truck is facing in the other direction.

1,534,566. MOLDING MACHINE. ELMER O. BEARDSLEY and WALTER F. PIPER, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 4, 1922. Serial No. 604,658. 21 Claims. (Cl. 22—36.)

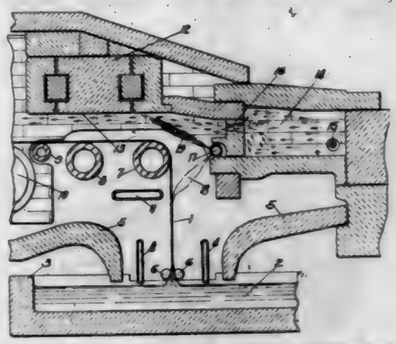


1. In a molding machine, the combination of a sand-projector comprising a rotor and a casing, means to support the projectors for horizontal bodily movement to sling sand into all portions of the flask at a substantially constant angle of delivery, means for feeding sand to the projector, means for driving the projector, and means for suspending the projector so it can be rocked laterally when desired.

1,534,567. DRAWING AND FLATTENING SHEET GLASS. CLYDE W. BELDEN, Shreveport, La., and INGLE B. BUSARD, Charleston, W. Va., assignors to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Sept. 5, 1922. Serial No. 586,138. 6 Claims. (Cl. 49—17.)

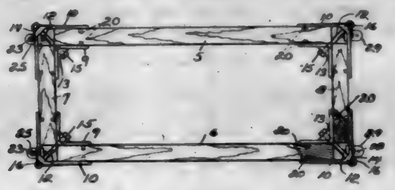
3. In a sheet glass drawing apparatus, wherein the sheet is drawn vertically from a bath of molten glass and then bent into the horizontal plane, means for re-

heating the sheet in its horizontal run, comprising a member of heat radiating material under which the sheet moves, a source of heat for heating this member,



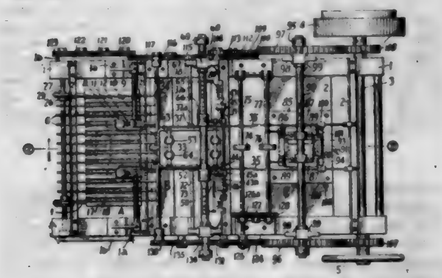
and an auxiliary heating means adapted to interchangeably play against either the vertical run of the sheet or the radiating member.

1,534,568. WOODEN FLASK. GEORGE O. BERGSTROM, Neenah, Wis., assignor to Bergstrom Stove Co., Neenah, Wis., a Corporation of Wisconsin. Filed Nov. 7, 1924. Serial No. 748,342. 7 Claims. (Cl. 22—96.)



2. In a device of the character described, the combination of a set of wooden members arranged to comprise a rectangular figure corresponding in demensions substantially to the dimensions of the interior faces of said member, the ends of said members being exposed, together with interior and exterior clamping devices arranged in sets to embrace the inner and outer faces of contiguous members adjacent their ends.

1,534,569. PAPER-BOX-MAKING MACHINE. CHARLES BUTTERFIELD, Middletown, Ohio, assignor to The Interstate Folding Box Company, Middletown, Ohio. Filed Aug. 8, 1923. Serial No. 656,397. 9 Claims. (Cl. 93—51.)

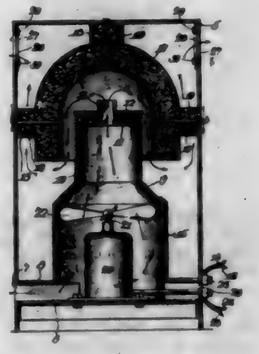


1. A paper box making machine, including in combination with mechanism adapted to form the boxes from paper blanks, means for delivering the blanks to the forming mechanism including feeding mechanism adapted to deliver the blanks singly from a supply of blanks stacked thereon, means interposed between said feeding and forming mechanisms for applying an adhesive to the blanks consisting of a reciprocating container for the adhesive timed in operation with said feeding mechanism and having a plurality of valve controlled discharge apertures for depositing the adhesive on predetermined portions of each blank.

1,534,570. METALLIC ALLOY. ALVAH W. CLEMENT, Cleveland, Ohio, assignor, by mesne assignments, to Ludlum Steel Co., Watervliet, N. Y., a Corporation of New Jersey. Filed Aug. 15, 1917. Serial No. 186,267. 12 Claims. (Cl. 75—1.)

1. A substantially nickel free alloy resistant to corrosion and to oxidation at high temperatures, containing on analysis approximately 5% to 25% of titanium, and the balance principally iron and chromium.

1,534,571. ELECTRIC HEATER. JAMES CONNING, Chicago, Ill. Filed Oct. 1, 1924. Serial No. 740,965. 2 Claims. (Cl. 219—39.)

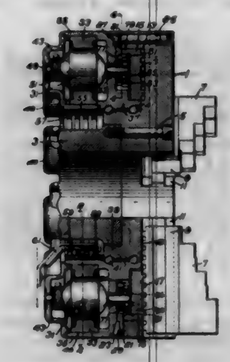


1. In a heater of the class described, the combination with a casing having means for the discharge of air in its upper portion and an inlet for air in its lower portion, a dome-shaped hood mounted within the upper portion of the casing and spaced therefrom, an auxiliary casing mounted in the lower portion of the first named casing and having communication at its lower part with said air inlet and extended at its upper portion into the cavity of said dome, an electric or resistance coil mounted on the upper portion of the auxiliary casing but insulated therefrom, electric conductors connected a said coil and leading to a supply of electricity, and a switch in the circuit provided by said conductors.

1,534,572. CHUCK. WALLACE M. CUTLER, Windsor Locks, Conn., assignor to The E. Horton & Son Company, Windsor Locks, Conn., a Corporation of Connecticut. Filed Feb. 12, 1924. Serial No. 692,401. 8 Claims. (Cl. 279—114.)

1. A chuck having in combination, a body, radially moving jaws carried by said body, a scroll wheel rotatably supported on said body and operatively connected to said jaws whereby rotation of said scroll wheel in opposite directions will move said jaws in opposite directions, an internal gear carried by said body, an internal gear carried by said scroll wheel, a differential pinion meshing with both internal gears and forming therewith gear sets of slightly different gear ratio, a carrier rotatably mounted on said body, an electric motor having

a rotor and stator both carried by said carrier, the rotor of said motor being connected in driving relation to said differential pinion, and control means for said

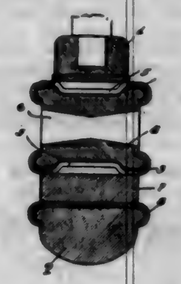


motor for causing the rotor thereof to rotate relatively to the stator thereof in opposite directions or said rotor to be at rest relatively to said stator.

1,534,573. FUEL FOR INTERNAL-COMBUSTION ENGINES. JEAN F. P. DE LA RIBOISIERE, Washington, D. C. Filed Nov. 18, 1924. Serial No. 750,657. 7 Claims. (Cl. 44—9.)

1. An improved fuel for internal combustion engines including liquid hydrocarbons boiling above 160° C., and a smaller proportion of an ether and a compound containing a non-hydroxy phenyl radical.

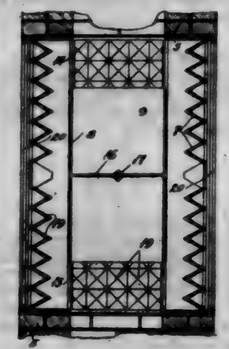
1,534,574. CUSHIONED-WHEEL CONSTRUCTION. JOSEPH L. DONAT, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,419. 1 Claim. (Cl. 152—36.)



In a wheel structure, a felloe, outer and inner concentric resilient integral rings removably mounted on said felloe and having rims curved towards each other, cushioning means permanently disposed between said rings and retained by said rims, tongues struck inward from said rings to engage said cushioning means, and a tire mounted exterior to said outer ring.

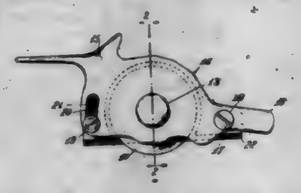
1,534,575. HEATING DEVICE. JOSEPH L. DONAT, Chicago, Ill. Filed Feb. 15, 1923. Serial No. 619,223. 4 Claims. (Cl. 257—165.)

1. A heating device adapted to replace an entire section of a chimney, a flue of shorter length than said section adapted to register with the chimney, radiators surrounding said flue, a damper in said flue adapted to



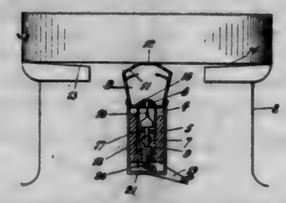
control the flow of gases from the chimney around the lower end of the flue, up the outside of the flue and around the top of the flue into the chimney again.

1,534,576. CUTTING OR TRIMMING DEVICE. FRED ERIC EDGREN, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,196. 3 Claims. (Cl. 164—77.)



1. A device of the character described, comprising a shell or case, a gauge portion, the forward ends of the shell and gauge portion being pivotally secured together, a cutting blade rotatably mounted in the side wall of said shell or case, means arranged in the side wall of the shell whereby the cutting blade is forced toward the gauge portion and yieldingly held in normal position, and reciprocable means mounted in the side wall of the gauge portion, whereby the cutting blade may be forced laterally toward the side wall of the shell or case, out of normal position against the action of said first means.

1,534,577. AUTOMATIC GAS REGULATOR. EMIL ULRIK GUSTAV ERNST, Copenhagen, Denmark. Filed Sept. 23, 1920. Serial No. 412,408. 2 Claims. (Cl. 126—52.)



1. The combination with a gas burner for cooking and a gas supply conduit, of a valve adapted to control the amount of gas supplied through the said conduit, movable means actuated by the cooking utensil when in normal position on the burner to automatically operate the said valve to supply more or less gas proper-

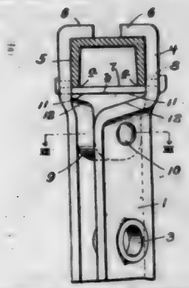
tional to the bottom area of said cooking utensil, and regulating means for the air supply operated simultaneously and in accordance with the said gas supply controlling means.

1,534,578. CHAIR GLIDE. WILLIAM E. FIELDING, Waterbury, Conn., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Dec. 11, 1924. Serial No. 755,314. 1 Claim. (Cl. 16—42.)



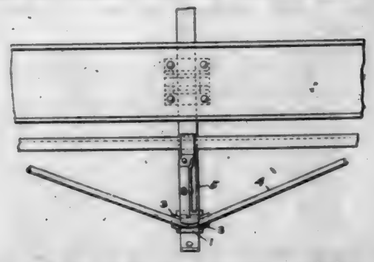
An integral dished chair glide made of sheet metal and having a circular form and provided with an interrupted edge and prongs located within said edge having their bases in a plane below the plane of said edge, said interrupted edge having portions extending in front of the outer faces of said prongs, the inner faces of said extensions engaging said outer faces of said prongs and reenforcing said prongs.

1,534,579. BRAKE BEAM. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 8, 1923. Serial No. 637,491. 2 Claims. (Cl. 188—231.)



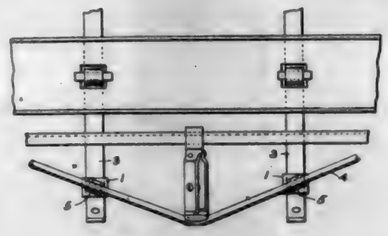
1. A brake beam having in combination a structural compression member, a strut formed by bending a strip of metal to U-shape, the sides or legs at one end of the strut being adapted to grip the compression member, a wedge passing through the sides or legs and bearing on the compression member, a spacing block arranged between the legs and adapted to serve as a guide for the wedge.

1,534,580. SHOE FOR BRAKE-BEAM SUPPORTS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,558. 2 Claims. (Cl. 188—213.)



2. A shoe for brake beam supports consisting of a base or body portion slotted for the reception of a supporting rail and provided with spaced and oppositely inclined seats for engagement with the tension member of a brake beam on opposite sides of the strut.

1,534,581. SHOE FOR BRAKE-BEAM SUPPORTS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,560. 5 Claims. (Cl. 188—213.)



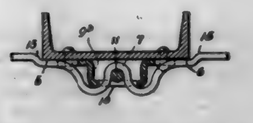
3. A saddle for a supplemental support for a brake beam consisting of a body portion slotted for the reception of a supporting rail, a saddle, one of said parts being provided with a projection and the other with a socket for the reception of the projection, the projection and socket being so constructed that the saddle may rotate on the body portion, and means for holding the saddle in position on the body portion.

1,534,582. SECURING BRAKE-BEAM SUPPORTS TO TRUCKS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,562. 5 Claims. (Cl. 188—213.)



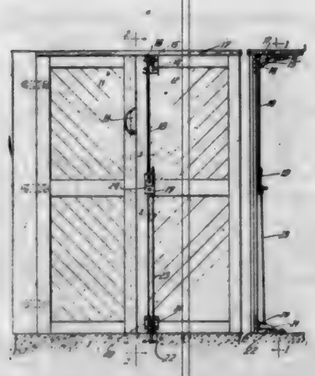
5. The combination of a truck element having a keyhole shaped opening therethrough and a supporting rail provided intermediate its ends with a projection having a head or enlargement at its end adapted to bear on the element at the sides of the narrower portion of the opening through said element, and a block fitting into the larger portion of the opening in the truck element and adapted to prevent lateral movement of the rail.

1,534,583. SECURING BRAKE-BEAM SUPPORTS TO TRUCKS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,563. 9 Claims. (Cl. 188—213.)



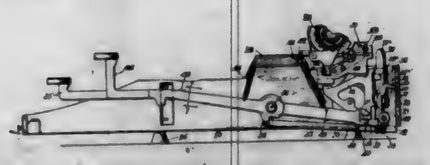
5. The combination of a spring plank, a supporting rail adapted to bear on the underside of the plank adjacent to its edges and having resilient portions extending downwardly from the points of bearing of the rail on the plank and having a portion intermediate the inclined portions extending towards the plank and means for securing such intermediate portion to the underside of the plank.

1,534,584. DOORLOCK. JOSEPH P. FREDRICK, Chicago, Ill., assignor of one-half to August J. Lurie, Chicago, Ill. Filed Apr. 28, 1924. Serial No. 709,846. 11 Claims. (Cl. 70—74.)



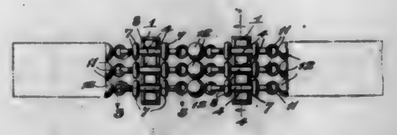
1. In a lock released, self-latching door, separate locking mechanisms for the upper and lower edges of said door each comprising a latch supported by the door and a co-operating fastener secured to the door frame, each of said fasteners having a locking shoulder, each of said locking mechanisms comprising a cam surface for automatically raising the associated latch member and dropping it behind said locking shoulder when said door is slammed shut, a lock on said door comprising a rotary member, an eccentric cam on said rotary member, a key for said lock, a single vertically reciprocable roller riding on the upper periphery of said cam, rods having operative connection with said roller and connected to said upper and lower latches, both of said rods and their associated latches being lifted vertically to unlocked position by the raising of said single roller under the action of said cam, said roller being freely liftable from the periphery of said cam to permit said automatic relatching of said locking mechanism when said door is slammed shut.

1,534,585. TYPEWRITING MACHINE. MAX GARBELL, Chicago, Ill., assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1921. Serial No. 464,183. 5 Claims. (Cl. 197—72.)



1. In a typewriting machine, the combination with a main frame, a platen carriage and carriage support adapted for case-shift movement with respect to said frame, and cooperable disengageable means on said carriage support and frame arranged to guide the carriage support in its case-shifting movements; of case-shifting means cooperable with said carriage support; cooperable case-shift stops mounted on said carriage support and frame; manually operable means for rendering said case-shift stops relatively non-cooperative; locking means cooperable with said manually operable means for automatically maintaining said non-cooperative relation of said case-shift stops; and means, mounted on the carriage support, cooperable with said locking means arranged to release the latter upon replacement of the carriage support on the main frame.

1,534,586. BRACELET. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed Feb. 9, 1924. Serial No. 691,789. 10 Claims. (Cl. 63—4.)



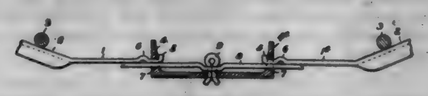
1. In a bracelet, an ornamental unit having bevelled portions which meet in a line on one face thereof and having its opposite face formed with a series of transverse grooves, links having two central portions one of which is straight and engaged in the grooves of the units and the other of which is of inverted V-shape, and engaged with the bevelled portions of the units, each of said links having two pairs of shoulders engaged with the respective opposed sides of the units and rings on the link end portions abutting the shoulders, the outer ends of the links being of approximately circular form and abutting the rings.

1,534,587. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed Feb. 28, 1924. Serial No. 695,795. 17 Claims. (Cl. 188—213.)



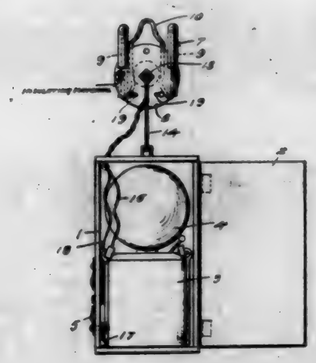
5. The combination of a spring plank having an opening therethrough, a brake beam supporting arm arranged below said plank and its ends extending beyond the sides of said spring plank and having a portion passing into and projecting through said opening, and means cooperating with said spring plank and engaging the portion of said arm projecting thru said opening for supporting said arm on said spring plank.

1,534,588. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,488. 5 Claims. (Cl. 188—213.)



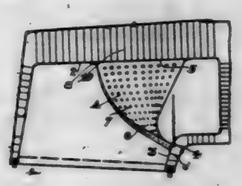
3. The combination of a flanged spring plank having holes through the flanges, beam supporting rails projecting into said holes and provided with spaced shoulders adjacent to their inner ends and means for shifting the ends of the rails laterally to cause the shoulders to bear on opposite sides of the flanges.

1,534,589. ELECTRIC DOORKNOB ALARM. EDWARD S. HAUSSER, Joliet, Ill. Filed Aug. 29, 1922. Serial No. 585,017. 3 Claims. (Cl. 177—314.)



1. In an alarm of the character specified, a door knob clamp comprising a knob grip and a knob and spindle clip, the latter comprising members adapted to grip opposite sides of the knob and a loop for engaging about the the knob spindle and switch means carried by the knob grip and operable through movement of the knob.

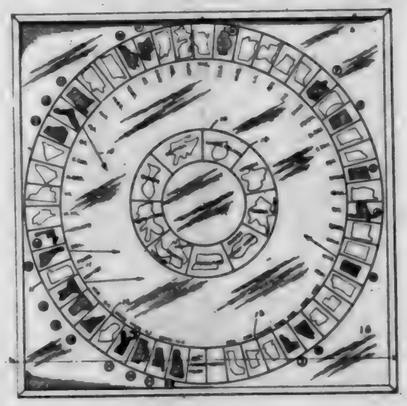
1,534,590. LOCOMOTIVE BOILER. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor to Locomotive Firebox Company, Chicago, Ill., a Corporation of Delaware. Filed May 13, 1922. Serial No. 560,662. 3 Claims. (Cl. 122—71.)



3. A locomotive boiler and its contained firebox in combination with a pair of hollow stay-bolted water walls applied to the firebox, said walls being oppositely twisted and each thereof presenting a horizontally elongated intake opening at the front leg of the firebox and a like outlet opening longitudinally elongated in the crown sheet of the firebox, the lower portions of said walls constituting a partial fire arch in the lower front part of the firebox, and firebrick applied to said walls and therewith completing a fire arch in the lower forward part of said firebox.

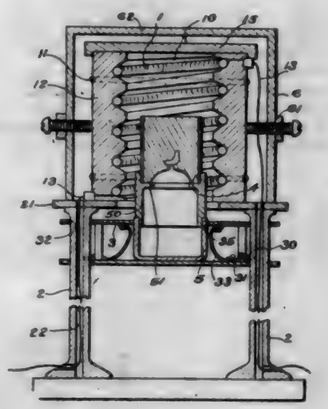
1,534,591. GAME APPARATUS. ARTHUR HODGES, Baltimore, Md. Filed Jan. 30, 1923. Serial No. 615,824. 2 Claims. (Cl. 273—134.)

2. A game apparatus having a playing surface for traverse by playing objects and having depicted thereon a pair of circular lines divided into rectangular spaces constituting States, a second pair of circular lines located within the first pair and divided into rectangular spaces to constitute territories, arrows depicted on the surface and constituting pathways from the outer circle to the inner circle, certain of said States being colored



to govern the retarding or advancing movements of the playing objects, and a dial or counter to regulate the movements of the objects.

1,534,592. DENTAL OVEN. HENRY C. HOUCK, Seattle, Wash. Filed Dec. 24, 1923. Serial No. 682,540. 9 Claims. (Cl. 219—35.)

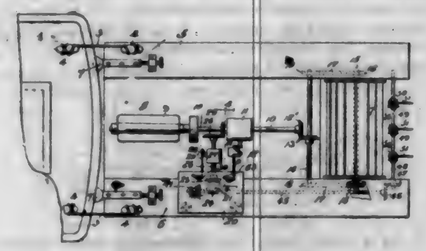


1. A dental furnace comprising a circular heating element with its axis vertically disposed, a stand supporting said heating element, a platform guided for vertical movement upon said stand beneath the heating element, a cup positioned upon but not secured to said platform, and means for supporting an investment cup above said platform and cup to drain into the latter.

1,534,593. BARGE CONVEYER. BERTELL W. KING, New York, N. Y. Filed Aug. 20, 1918. Serial No. 250,636. 2 Claims. (Cl. 114—61.)

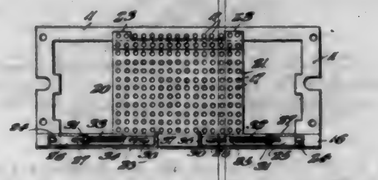
1. In a conveying barge, a pair of pontoons, rigidly united by a platform therebetween, propulsion means

and guiding means between said pontoons, a power unit on said platform for operating said propulsion means, a vertically adjustable control station also mounted to



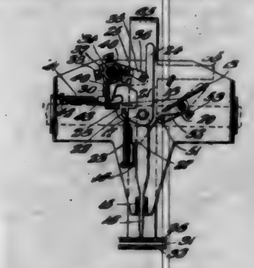
operate on said platform, and means operable by said power unit for raising and lowering said control station.

1,534,594. CARD-REGISTRATION MECHANISM. WILLIAM W. LASKER, Brooklyn, N. Y., assignor to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed May 29, 1924. Serial No. 716,698. 6 Claims. (Cl. 83—92.)



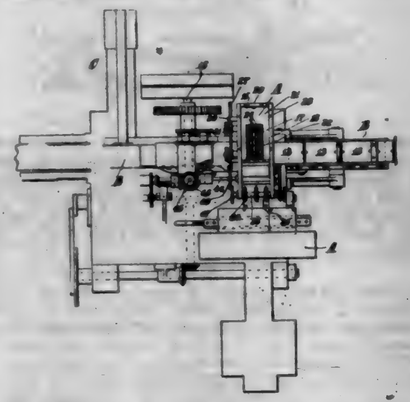
2. In a device of the character stated, the combination of a card registration mechanism comprising two spaced fixed plates forming a card passage, one of said plates having a detachable perforated section for access to a card in said passage, and means for detachably securing said section to its plate.

1,534,595. PIN-BOX CONSTRUCTION FOR SORTING MACHINES. WILLIAM W. LASKER, Brooklyn, N. Y., assignor to Powers Accounting Machine Corporation, New York, N. Y., a Corporation of Delaware. Filed May 29, 1924. Serial No. 716,699. 6 Claims. (Cl. 83—92.)



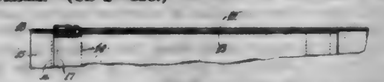
1. In a card analyzing mechanism, the combination of a registration plate, a pin box having pins normally extending into said plate, a support for said pin box, and means including a rock lift bar common to all of said pins for removing said pins from said plate to release said pin box for sliding movement on said support.

1,534,596. FEEDING DEVICE FOR WRAPPING MACHINES. FRANK W. LEE, New York, N. Y., assignor to International Packing Machine Company, New York, N. Y., a Corporation of New York. Original application filed June 2, 1920, Serial No. 386,023. Divided and this application filed June 5, 1922. Serial No. 565,974. 1 Claim. (Cl. 271—35.)



In a mechanism for feeding individual blanks from a pile of blanks in the magazine or a wrapping machine, the combination with parallel shafts disposed transversely of said magazine and adjacent opposite ends thereof, a plurality of closely spaced pulleys fixed to said shafts, separator belts, said belts presenting a plurality of closely spaced independent supporting surfaces for said pulleys at the bottom of the magazine to receive the pile of blanks and to separate the lowermost blank from the pile, a toothed rack slidably mounted longitudinally of said magazine, a pawl and ratchet mechanism for each shaft for permitting rotation in one direction only, a pinion carried by each ratchet mechanism and in constant mesh with the teeth of said rack, and a reciprocating pitman connection pivotally connected at one end to said rack for intermittently advancing the conveyor.

1,534,597. SLEEVE CUFF. LENA LUPTIS, New York, N. Y. Filed Mar. 20, 1922. Serial No. 545,108. 2 Claims. (Cl. 2—123.)

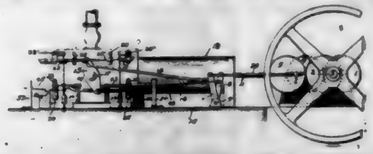


2. A sleeve cuff formed of a plurality of layers of material having their free ends doubled over inwardly on themselves, said layers being stitched together near their free ends on a line spaced from the outer margin of said turned over free ends, and an insertion formed of a piece of fabric doubled over on itself, and stitched to the overlapping free ends of said cuff at the outer margin of said cuff layers, and also stitched together independently of said cuff layers.

1,534,598. STEAM ENGINE. JAMES J. MCARDLE, Pawtucket, R. I. Filed Mar. 15, 1922. Serial No. 543,847. 5 Claims. (Cl. 121—128.)

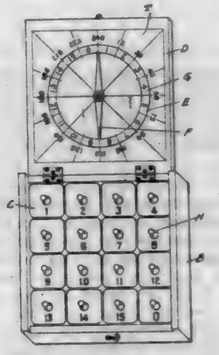
1. In a steam engine, a cylinder having an inlet and an exhaust valve at each end thereof, a pair of wrist plates pivoted between their ends at points between the said pairs of valves at the ends of the cylinder, oppositely extending latches pivoted to the wrist plates and each having a stop shoulder and a cam thereon, there being a latch for each valve, spring pressed bell

cranks connected to the intake valves and having pins engageable with the stop shoulders to allow the latches to open the intake valves, cam trips for the latches to operate the latter to effect disengagement of the shoulders from the pins, slotted arms connected to the exhaust valves, and having pins to engage the stop



shoulders of the latches thereof, spring pressed rods having pins engaged in the slots of the slotted arms for effecting closing of the exhaust valves, rockers, rods pivoted to the rockers and to the wrist plates, pairs of intermeshing eccentric gears actuated by the engine drive shaft, and rods pivoted to the gears and to the rockers.

1,534,599. GAME. JAMES MCLENNAN, Poland, and EDWARD J. PEASE, Niles, Ohio. Filed July 11, 1922. Serial. No. 574,152. 6 Claims. (Cl. 273—132.)



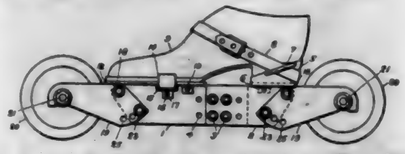
1. A game device comprising a set of men or pieces bearing distinguishing marks for arranging the same in sequence and having fixed positions within a fixed area, at least one space sufficient to accommodate one of the pieces being left blank, the object of the game being to displace at least one of the significant or sequential pieces from position in sequence and to restore all the pieces to position in sequence without lifting any of the significant pieces from the surface on which they rest, and means for indicating by chance the displacement of such piece or pieces.

1,534,600. GOLF CLUB. GEORGE W. MATTERN, Dayton, Ohio, assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio, a Corporation of Ohio. Filed July 21, 1921. Serial No. 486,484. 12 Claims. (Cl. 273—77.)



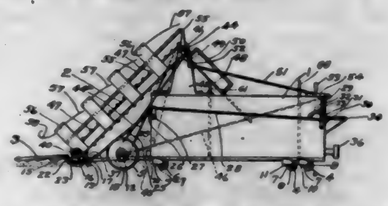
1. The combination with a golf club head, having a mortise therein, the plane of which is substantially parallel with the sole of the club head, of reentrant shoulders formed in said mortise substantially perpendicular to the plane thereof, and a counter balance weight located in said mortise, the lateral deflection of which is arrested by said reentrant shoulders.

1,534,601. ROLLER SKATE. MICHAEL NICKEFOR MATVEYEFF, New Haven, Conn. Filed June 16, 1924. Serial No. 720,316. 3 Claims. (Cl. 208—178.)



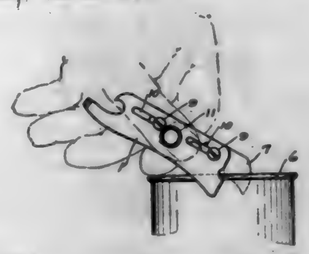
1. In a roller skate, the combination with a frame, means to attach said frame to the skater's shoe, a wheel supported in front of said frame, a second wheel supported in the rear of said frame, means to adjust the length of said frame, and means to adjust the height of said wheels in relation to said frame.

1,534,602. HAY CONVEYER. ROMEO MAUVAIS, Two Rivers, Wash. Filed Jan. 17, 1923. Serial No. 613,176. 5 Claims. (Cl. 56—358.)



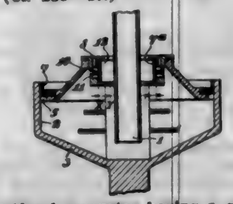
3. A conveyer for hay or the like comprising a large box in the form of a wagon body; an axle at the forward end of the body; wheels at the ends of the axle; castors under the ends of the body for supporting it; an attachment at the rear of the body through which suitable motive power may be applied to it; a frame with castors under it pivotally supported from the axle and extending ahead of it; prongs connected to the frame by individual springs and extending forward in a slightly inclined position; means under the prongs for limiting their downward movement; means for raising and lowering the frame and prongs; a conveyer with one end attached to the frame behind the prongs and the other end supported above the body; and means for operating the conveyer from the axle of the front wheels.

1,534,603. CAN OPENER. MAURITZ MECHELSEN, Seattle, Wash. Filed Oct. 22, 1923. Serial No. 669,964. 1 Claim. (Cl. 30—3.)



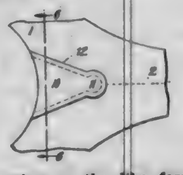
A can opener having a body portion and a member slidably attached thereto, said body portion having a lug extending downward and outward at one end and said sliding member having a curved blade that may be moved to a position somewhat beyond the lug when it is desired to use the device and that may be moved inward so that the lug will protect the blade when it is in the closed position; and said lug being adaptable to engage the bead at the edge of a can as the blade is forced into the end of the can.

1,534,604. OUTLET VALVE FOR CENTRIFUGAL SEPARATORS. GUSTAV THE MEER, Hanover-Linden, Germany. Filed Feb. 6, 1925. Serial No. 7,429. 10 Claims. (Cl. 233—47.)



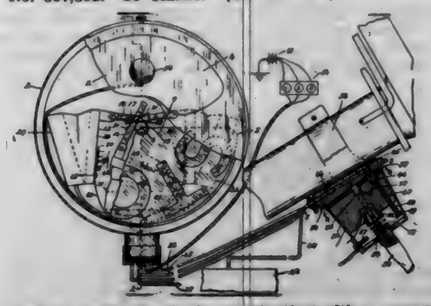
1. A centrifugal separator having a separation chamber provided with an outlet spaced inwardly from the outer wall, and a valve controlling the same, said valve automatically opening upon the accumulation of liquid to a predetermined distance inward radially from said valve, whereby solid particles of lighter specific gravity than the liquid may accumulate in the inner zone, and solid particles of heavier specific gravity than the liquid may accumulate in the outer zone, while the clearest liquid may escape from the intermediate zone.

1,534,605. AXLE HOUSING. THOMAS E. MURRAY, Jr., Brooklyn, N. Y. Filed Feb. 18, 1925. Serial No. 9,937. 2 Claims. (Cl. 74—56.)



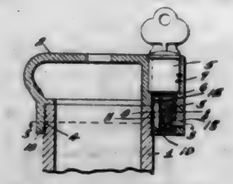
1. An axle housing or the like formed of segments united along their edges and forming a gap at an end of such edges and a filler in said gap having a grooved engagement with the edges of the segments to prevent lateral separation.

1,534,606. VEHICLE TRAFFIC SIGNAL. PRESTON MYERS, Los Angeles, Calif. Filed Oct. 8, 1923. Serial No. 667,352. 10 Claims. (Cl. 116—39.)



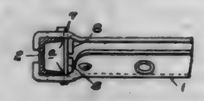
1. In a traffic signal, the combination with a support, of an indicator rotatably mounted upon said support, means for actuating said indicator comprising a bellows mounted upon said support, and a tongue struck out from said support for limiting the movement of said bellows.

1,534,607. LOCK FOR RADIATOR CAPS. JONAS L. OBERDORFER, Syracuse, N. Y. Filed Apr. 24, 1923. Serial No. 634,371. 4 Claims. (Cl. 70—90.)



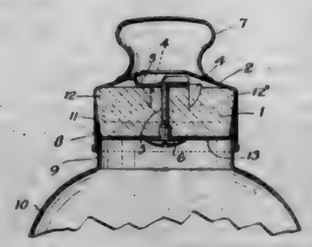
2. The combination of two parts, one threading on the other, a lock comprising a roller clutch carried by one part and coacting with the threaded surface of the other part, a carrier for the clutch and key operated means for shifting the carrier to move the roller into and out of operative locking relation, substantially as and for the purpose specified.

1,534,608. BRAKE BEAM. CHARLES F. PERKINS, Johnstown, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed July 21, 1923. Serial No. 653,032. 3 Claims. (Cl. 188—231.)



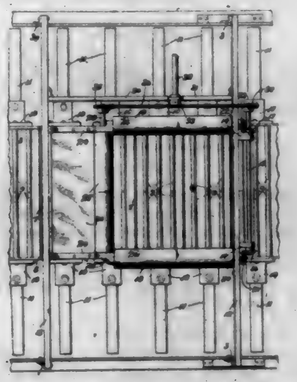
3. A brake beam having in combination a structural shaped compression member, a strut having spaced sides bearing respectively on the outer faces of the sides of the compression member and having oppositely disposed holes in the rear of the compression member and having portions forced inwardly into alinement and in the rear of the edges of the compression member, and a wedge extending through the holes in the sides of the strut and bearing against the edges of the compression member and the inwardly projecting portions of the strut.

1,534,609. CLOSURE FOR VESSELS. LOUIS W. RICE, New York, N. Y. Filed Jan. 5, 1924. Serial No. 684,467. 1 Claim. (Cl. 220—24.)



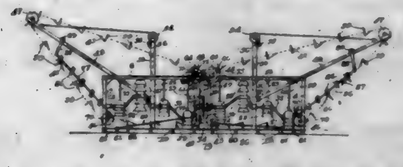
A closure for a wide-mouth vessel, comprising a cork block having tapered sides, a metal cap member spaced from the top of the cork block, central engaging means rigidly connecting the cork block to the top of the cap member, a handle on the top of the cap member, and a cylindrical guiding and protecting apron extending downward from the cap member enclosing the cork block and laterally supporting it so as to prevent loosening and injury of the block internally held by said engaging means and guided by the apron.

1,534,610. FEEDING MECHANISM FOR PLASTER-BLOCK MACHINES. GEORGE HENRY ADAM RUBY, Fort Dodge, Iowa, assignor to James R. Offield, trustee, Chicago, Ill. Filed Mar. 10, 1924. Serial No. 698,144. 8 Claims. (Cl. 25—99.)



1. In combination, a plaster block machine including an endless conveyer positioned horizontal and equipped with a consecutive series of block forms having open upper sides to receive cementitious material at the upper run of the conveyer, a roller located lengthwise of the machine at each side thereof and directly over the ends of the forms, means for driving said rollers in unison and in opposite directions, and a third roller located transversely of the machine above said forms, substantially as described.

1,534,611. SNOW-CLEARING MACHINE. MICHAEL SCHMIDT, Wauwatosa, Wis. Filed Feb. 14, 1921. Serial No. 444,642. 15 Claims. (Cl. 37—41.)

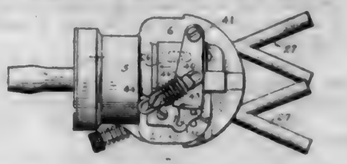


1. A machine for clearing snow from roadways comprising a wheel-supported frame, a runner supported cross-conveyor, an undermining cutter, and a co-operating set of choppers adapted to cut and break up frozen material and deliver it to the cross-conveyor.

2. A machine for clearing snow from roadways comprising a wheel-supported frame, a runner supported cross-conveyor connected with the frame and held against lateral movement by the runners, means for breaking up frozen material and delivering it to said cross-conveyor, a motor for driving the cross-conveyor, and an independent propelling tractor having flexible connections at its front and rear ends with the wheel-supported frame, said flexible connections being adapted to permit lateral turning movements of the tractor within said wheel-supported frame.

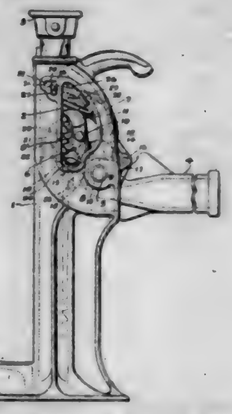
1,534,612. PULSATOR FOR MILKING MACHINES. JOHN A. SCHMITZ, Columbus, Ohio, assignor to The Universal Milking Machine Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 28, 1922. Serial No. 603,727. 15 Claims. (Cl. 31—69.)

1. In a pulsator mechanism of the character described, wherein a fluid pressure actuated mechanism operates to alternately subject a pair of pulsation conduits to variations of fluid pressure characterized by an alternating member actuated by said pressure operated mechanism, an oscillatory control valve for the fluid under



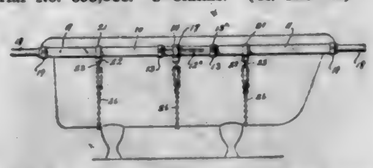
pressure and an extensible and contractible link between the alternating member and the oscillatory valve transmitting alternate push and pull movements from the alternating member to the oscillatory valve.

1,534,613. RATCHET JACK. FRANK H. SCHWERIN, West View, Pa., assignor to The Duff Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 3, 1924. Serial No. 696,410. 8 Claims. (Cl. 254—110.)



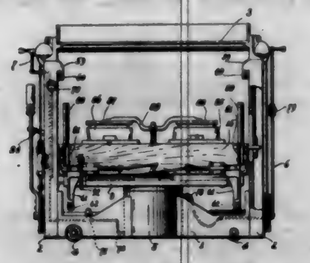
3. In a double-acting ratchet jack having a frame, a rack, an operating lever and two pawls pivoted to the operating lever, a trip hung on the frame to overlie one of the pawls, the trip being shiftable on the frame to a position in which it will be engaged by said pawl so as to cause both pawls to be swung away from the rack.

1,534,614. RADIATOR AND BATHTUB SLING. JOHN MILTON SIMS, Houston, Tex., assignor of one-half to James E. Sims, Houston, Tex. Filed Feb. 26, 1924. Serial No. 695,344. 5 Claims. (Cl. 294—5.)



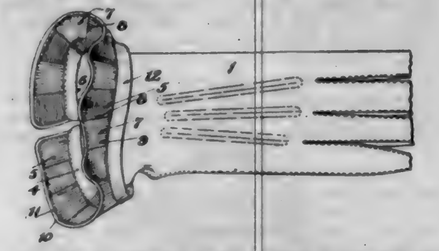
1. A sling or carrier for radiators or bath tubs comprising two longitudinally extending bars having handles at the ends thereof, each bar being formed of two sections longitudinally adjustable upon each other and having overlapping engagement at the adjacent ends of the sections, and a collar loosely surrounding the overlapping ends of the sections on each bar and having a laterally projecting handle, and chains detachably and adjustably connected to said bars.

1,534,615. MOLDING MACHINE. JOHN A. SPEERY, Munnsville, N. Y. Filed Apr. 19, 1922. Serial No. 555,575. 16 Claims. (Cl. 22—32.)



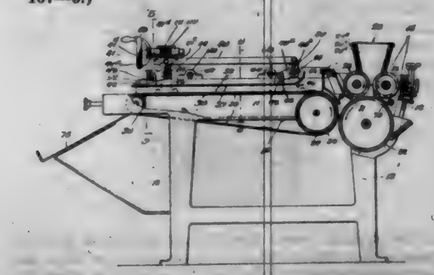
1. In a machine of the class described, in combination, a movably rotatably mounted support for a pattern and a flask to confine a quantity of sand on the face of said pattern, flexible means to raise and lower said support and spring-retractable means to hold said support in a predetermined position.

1,534,616. GLOVE. ARTHUR A. STEINBERGER, San Francisco, Calif., assignor to Steinberger Bros. Lobl Co., Inc., New York, N. Y., a Corporation of California. Filed Oct. 18, 1924. Serial No. 744,923. 2 Claims. (Cl. 2—162.)



2. A glove having a wrist portion, a laterally projecting strip secured thereto, said strip being composed of a plurality of joined sections extending radially from the glove, a similar strip secured to and adapted to lie over said first mentioned strip and form a reverse side therefor, said last mentioned strip having an inner free end surrounding the body of the glove.

1,534,617. DOUGH-MOLDING MACHINE. FRANK STREICH, Joliet, Ill., assignor to Union Machinery Company, Joliet, Ill., a Corporation of Illinois. Filed Oct. 2, 1922. Serial No. 591,753. 7 Claims. (Cl. 107—9.)



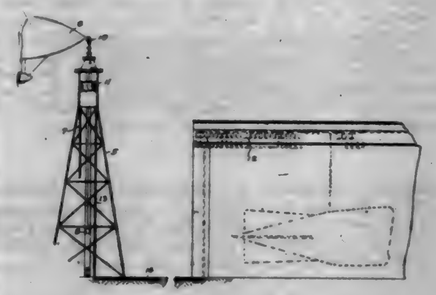
4. In a dough molding machine, the combination of a mould board, a pair of bell crank levers upon which said mould board is secured, parallel movement means connecting said levers, a worm gear segment formed on one of the said levers, a worm pinion meshing with said worm gear segment, means for rotating the worm pinion and a stationary support for said pinion.

1,534,618. VAPOR TREATMENT RECEPTACLE. WILLIAM A. TAYLOR and PHILIP J. SIBLEY, Chicago, Ill., assignors to Philip J. Sibley, Chicago, Ill. Filed Apr. 23, 1923. Serial No. 633,900. 1 Claim. (Cl. 4—182.)



In a foot treatment apparatus, a wooden receptacle having a lid with recesses in the edges thereof to admit and partially surround the legs of a patient, a shallow tub for the bottom of the receptacle having perforations adjacent the top to permit the escape of vapor, and a wooden cover for the shallow tub providing recesses in the edges by means of which the cover can be removed, the cover providing a support for the feet of a patient.

1,534,619. AIRSHIP-MOORING MAST WITH WATER TANK AND FIRE PROTECTION FOR AIRSHIP SHEDS. STARR TRUSCOTT, Washington, D. C. Filed Nov. 19, 1923. Serial No. 675,769. 7 Claims. (Cl. 244—2.)

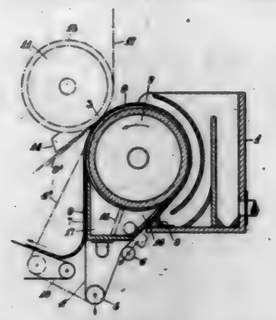


1. In a system of the character described, in combination, a mooring mast for airships provided with mooring gearing and a water tank associated with the upper part of said mast adapted to increase the stability thereof and provide a supply of water to the surrounding stations.

1,534,620. APPARATUS FOR SEPARATING LIQUIDS FROM SOLID BODIES MIXED OR SUSPENDED THEREIN. RUDOLF ERNST WAGNER, Karlstad, and JOHAN DANIEL ULLGREN, Stocksund, Sweden, assignors to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Filed Jan. 11, 1923. Serial No. 611,973. 5 Claims. (Cl. 92—48.)

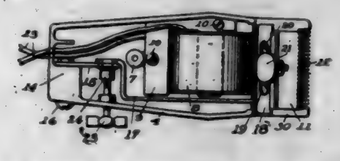
1. In an apparatus for separating liquids from solid bodies mixed or suspended therein, the combination of a container for liquid, an endless wire apron forming one wall of said container, a roller supporting said wire

apron in said container, and a suction box attached to a portion of the surface of said roller not engaged by said wire apron, said roller being provided with surface



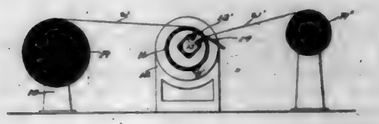
channels adapted to transmit and convey suction from said suction box to the portion of the roller surface engaging and supporting said wire apron.

1,534,621. CLIPPER. LEO J. WAHL, Sterling, Ill. Filed May 1, 1924. Serial No. 710,312. 6 Claims. (Cl. 30—1.)



1. In a clipper the combination of a case, a stationary clipper blade carried thereby, a movable clipper blade cooperating with the stationary blade, an alternating current electro-magnet in the case, an armature for the electro-magnet and located near one side of the case and for moving the movable clipper blade, driving and pressure connections between the armature and the movable clipper blade, and a mounting for the armature located on a line near the center of the clipper blade.

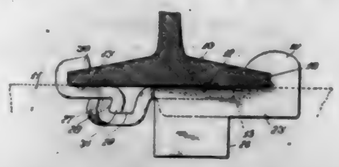
1,534,622. METHOD OF DRY-CRINKLING PAPER. KURT WANDEL, New York, N. Y., assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1920. Serial No. 363,712. 5 Claims. (Cl. 92—69.)



1. The herein described method which consists in leading an unmoistened paper web upon a crinkling drum, causing adherence of the paper to the drum solely by air pressure, and clearing the paper from the drum by a doctor or abutment to produce a crinkled effect therein.

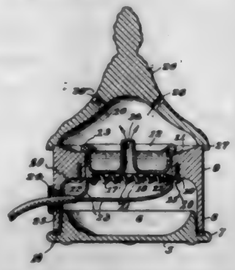
5. The herein described method which consists in causing adherence of a paper web to a crinkling drum by air suction, drawing the paper thereby from a supply roll through a coating station, and clearing the adherent paper from the drum by a doctor to crinkle the same.

1,534,623. RAIL ANCHOR. HAROLD G. WARE, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1924. Serial No. 715,537. 14 Claims. (Cl. 238—324.)



1. A rail anchor comprising two jaw members which interlock with each other beneath the rail and together embrace the base portion thereof, one of said members being made of sheet metal and provided at one end with means for engaging one edge of said rail base and at the other end with a channel shaped portion which decreases in width toward one edge of the member to provide an angularly disposed flange, and the other member being formed with a jaw for engaging the other edge of said base and with an angularly disposed flange which cooperates with the angular flange of said first mentioned member to effect said interlocking engagement.

1,534,624. ELECTRIC PERFUMER. LOUIS WEIDLICH, Stratford, Conn., assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed June 27, 1924. Serial No. 722,676. 8 Claims. (Cl. 219—38.)



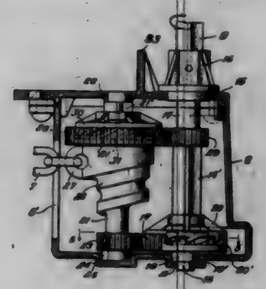
1. In a perfumer, the combination of a body, a perfume receptacle within the body, an electric heating unit attached to the body beneath the receptacle, and means for providing a circulation of air through the body and around the heating unit and over the receptacle for conveying the odors therefrom.

1,534,625. PROCESS OF MAKING MATCHED-PATTERN PLATES. JOHN R. WOOD, Irvington, N. J., assignor to New Process Multi-Castings Company, Newark, N. J., a Corporation of New Jersey. Filed Sept. 19, 1923. Serial No. 663,535. 2 Claims. (Cl. 22—191.)



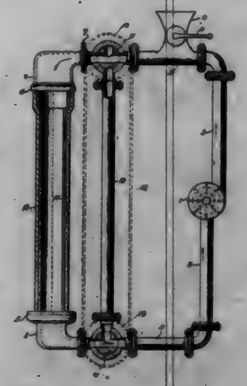
1. The method herein described of producing matched pattern plates which consists in preparing a drag and a cope flask member containing, in sand, the exact impression of the pattern below and above the parting line respectively, forming from these members and the pattern supplemental drag and cope members, and associating the original drag with the supplemental cope, and the original cope with the supplemental drag spaced to an amount equal to the thickness of the plate desired and obtaining from such molds the finished matched plates.

1,534,626. HAND BRAKE FOR RAILWAY CARS. GEORGE A. WOODMAN, Chicago, Ill. Filed Jan. 10, 1921. Serial No. 436,017. 7 Claims. (Cl. 254—149.)



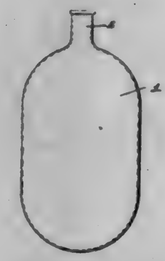
1. In a car brake, a power shaft, a brake chain drum, a driving gear fixedly mounted on said power shaft, a driven gear rotatively mounted on said drum and meshed with said driving gear, a driving segment gear rotatively mounted on said shaft, a gear fixedly mounted on said drum and meshed with said segment gear, one gear ratio being greater than the other, and individual overrunning ratchet elements mounted respectively on said shaft and said drum to rotate therewith, and ratchet elements on said rotatively mounted gears operatively engaging said first named ratchet elements respectively.

1,534,627. APPARATUS FOR APPLYING PULVERIZED OR SHREDDED MATERIAL TO THE INTERIOR OF TUBULAR ARTICLES. LUCIEN I. YEOMANS, Chicago, Ill., assignor to Pioneer Production Company, Chicago, Ill., a Corporation of Illinois. Filed May 1, 1922. Serial No. 557,633. 12 Claims. (Cl. 22—99.)



1. An apparatus for applying blacking in dry form to the interior walls of a pipe mold having, in combination, a tubular support upon which the pipe mold may stand in upright position, a cap movably supported for movement into and out of engagement with the upper end of the pipe mold, a conduit connecting said support and said cap, a fan for inducing a current of air through said conduit, the cap, the pipe mold and the support, means for introducing blacking into said conduit, a pipe arranged to communicate with said conduit at points at opposite sides of said fan, and valves controlling communication between said pipe and said conduit, said conduit being of smaller internal diameter than the pipe mold.

1,534,628. MILKING VESSEL. LUDWIG ALVINE ZOHE, Syracuse, N. Y. Filed May 16, 1922. Serial No. 561,403. 4 Claims. (Cl. 31—52.)



1. A milking vessel comprising an expansible and collapsible vessel having a neck for fitting the nipple of the udder and a check valve in the neck.

1,534,629. WRITING INSTRUMENT. HAROLD ANSHEN, Trenton, N. J., assignor of one-half to Corilla F. Williamson, Trenton, N. J. Filed Jan. 19, 1923. Serial No. 613,703. 2 Claims. (Cl. 120—18.)

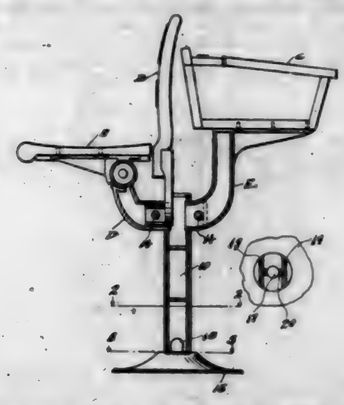


1. A writing instrument of the character described comprising a casing having a closed end and housing, a fountain pen, a bearing disposed in one end of said casing and provided with a recess having diametrically opposite longitudinally disposed grooves formed in its side walls, a pencil slidably mounted for longitudinal movement within the recess, beads formed on said pencil and being arranged in said grooves, aligned bearing brackets extending inwardly from the walls of the casing, a shaft mounted for rotation in the bearing brackets, a gear keyed to one extremity of the shaft and arranged adjacent to the opposite end of said casing, a manipulator having means movable through the closed end of the casing, a gear secured to said means for meshing with the gear of the shaft, and means formed on the inner end of the shaft for moving the pencil through the medium of the manipulator.

1,534,630. SCHOOL FURNITURE. ROGER L. AVERY, Chicago, Ill. Original application filed July 20, 1921, Serial No. 486,167. Divided and this application filed Jan. 8, 1923. Serial No. 611,384. 3 Claims. (Cl. 155—134.)

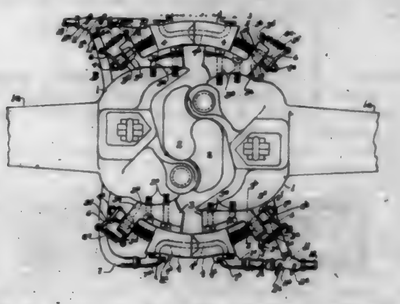
1. In a school desk comprising in combination with a desk and seat, of an I-shaped support therefor with

wedge shaped lower edges; a base having parallel wedge shaped grooves formed therein for the reception of the



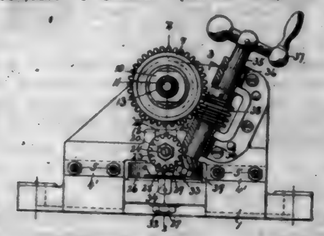
edges of said support; and means for attaching said base to said support, substantially as described.

1,534,631. CAR AND TRAIN-PIPE COUPLING. OBED C. BILLMAN, Cleveland, Ohio. Filed Feb. 26, 1920. Serial No. 361,386. 32 Claims. (Cl. 213—76.)



10. In a car and train pipe coupling, a pair of connected coupler heads provided with vertically and arcuately movable train pipe coupler members, and means for supporting and holding the latter in a relatively constant position during the lateral oscillations and vertical movements between said coupler heads when connected.

1,534,632. CAM-FORMING MACHINE. ELMER C. COOLEY, Eastwood, N. Y. Filed Nov. 13, 1922. Serial No. 600,632. 5 Claims. (Cl. 90—21.)



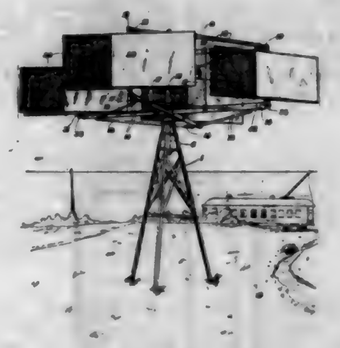
1. A cam forming machine comprising, in combination with a cutter, a support having a guideway, a carriage movable along the guideway, a rotary work-holder journaled on the carriage transversely of the guideway, a guide member adjustable on the support to different angles relatively to the axis of the work holder, a slide movable on the carriage parallel with said axis and in sliding engagement with said guide member, means for rotating the work-holder, and means for moving the slide as the work-holder is rotated.

1,534,633. SPRINKLER. HENRY F. CONGABLE, Oakland, Calif., assignor to Robinson Hardware Company, Oakland, Calif., a Corporation of California. Filed Feb. 8, 1922. Serial No. 535,075. 2 Claims. (Cl. 299—58.)



1. A lawn sprinkler comprising a tubular member having perforations therein for directing streams of water therefrom, a plurality of means on said member for slidably receiving a plurality of supporting rods whereby either of said supporting rods may be adjusted so that one of its ends may project from either end of one of said means to vary the position in which said tubular member may be supported.

1,534,634. WIND SIGN. HUGH CORRELL, Canton, Ohio; James E. Milner administrator of said Hugh Correll, deceased. Filed Feb. 8, 1922. Serial No. 535,100. 7 Claims. (Cl. 40—39.)

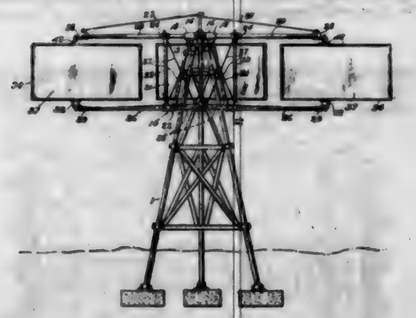


7. A wind sign including a revoluble frame, vanes journaled in said frame, one end portion only of each vane being perforated so that the other end will point with the wind.

1,534,635. WIND SIGN. HUGH CORRELL, Canton, Ohio; James E. Milner administrator of said Hugh Correll, deceased. Filed Nov. 28, 1922. Serial No. 602,753. 5 Claims. (Cl. 40—39.)

1. A wind sign including a revoluble frame, rotatable V-shaped vanes journaled in said frame, each vane being journaled at a point near the large end, the shorter end of each vane being weighted so as to point the longer end with the wind as the frame revolves.

4. A wind sign including a supporting frame, a vertical shaft journaled in the upper portion of said frame,



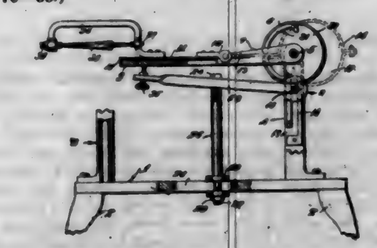
a casting fixed upon said vertical shaft, a revoluble frame suspended upon said casting and revoluble V-shaped vanes journaled in said revoluble frame.

1,534,636. WINDOW VENTILATOR. ARTHUR A. CRAIG, Chicago, Ill. Filed Jan. 14, 1922. Serial No. 529,110. 2 Claims. (Cl. 98—31.)



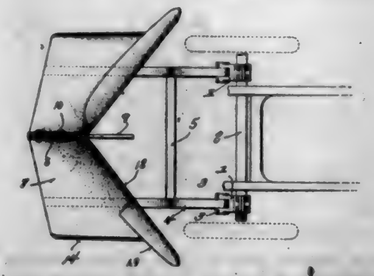
1. In combination, a ventilator comprising a plurality of panels carried in extensible relation adapted for insertion in a window frame, a plurality of adjusting bolts for locking said panels in extended position, said panels having slots therein, anti-friction means for said bolts in said slots, and means permitting free action of said anti-friction means irrespective of the degree of engagement between said panels.

1,534,637. SAW-FILING MACHINE. JOHN F. W. DIESEL, Manitowoc, Wis. Filed June 15, 1923, Serial No. 645,696. Renewed Feb. 18, 1925. 5 Claims. (Cl. 76—35.)



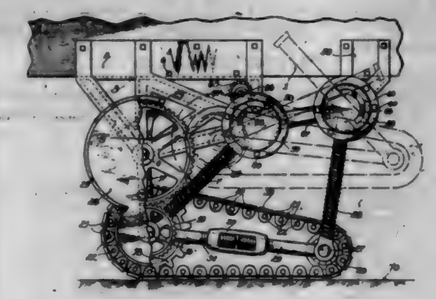
1. A saw filing machine having a rotary driving shaft and operating elements carried thereby, a table journaled to said shaft, a file holder slidable upon said table and moved back and forth by one of said operating elements, a standard carried by the base of the machine and supporting therein a lever, one end of which supports said table, and the other end of said lever engageable with another of said operating elements for imparting an up and down movement to said table.

1,534,638. SNOWPLOW ATTACHMENT. HUGO E. ERBRT, Merton, Wis. Filed Apr. 14, 1924. Serial No. 706,512. 1 Claim. (Cl. 37—44.)



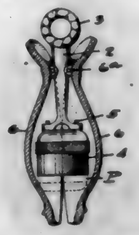
A snow plow attachment for an automobile comprising a pair of brackets adapted to be clamped to the front axle of such automobile, a pair of supporting arms pivotally carried by said brackets and extending forwardly and downwardly and terminating in rounded shoe like ends, a pair of wings secured to said arms and having upturned central portions, said upturned central portions being gradually turned in opposite directions, a reinforcing member shaped to said upturned portions and bolted therebetween, said reinforcing member having a wedge like cross section with concaved faces accurately fitting the curved portion of said wings, said wings having upturned and laterally extending rear portions with forwardly turned upper ends and having upwardly and outwardly slanting bottom portions, said bottom portions terminating at their outer edges in an upturned marginal flange deepest at its forward portion, and gradually merging into the bottom portion of said wings towards its rear end.

1,534,639. DRIVING ATTACHMENT FOR MOTOR VEHICLES. JOHN I. ENGLEMAN, Kearney, Nebr., and HERBERT J. ENGLEMAN, Arminto, Wyo. Filed Aug. 5, 1921. Serial No. 489,979. 13 Claims. (Cl. 180—9.1.)



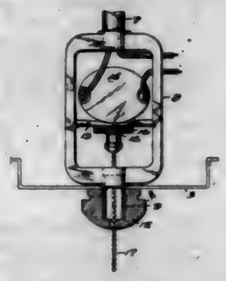
1. In combination, a driving shaft, a second shaft suspended below and adapted for movement about said driving shaft, drive means between said shafts, a traction tread associated with said second shaft, and means for moving said second shaft about said driving shaft to vary the ground engaging position of said traction tread, said drive means remaining effective to transmit the driving effort to said tread through the various grounds engaging positions thereof.

1,534,640. ELECTRIC OUTLET FIXTURE. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Nov. 25, 1921. Serial No. 517,444. 4 Claims. (Cl. 240—78.)



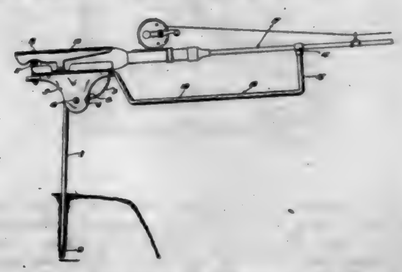
1. A pendant electric outlet fixture consisting of a longitudinally split shell, the shell sections being movable to provide access to the interior of the shell, and an outlet connection combined with the shell, the shell sections being normally gravitally positioned to conceal the connection.

1,534,641. LIGHTING FIXTURE. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed June 5, 1922. Serial No. 565,882. 2 Claims. (Cl. 240—122.)



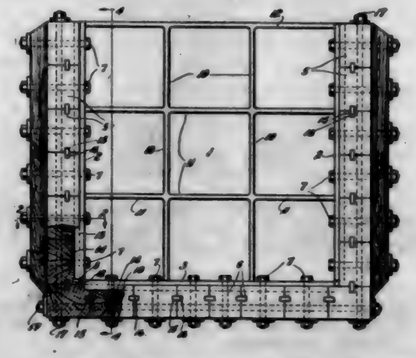
1. In an electric lighting fixture, a hickey, an apertured partition wall in said hickey, an electric pull switch mounted on said wall and an actuating element for said switch extending downward through said wall and hickey.

1,534,642. FISHING-ROD HOLDER. ORVILLE JOHN HOAGLAND, Peru, Ind. Filed Sept. 6, 1923. Serial No. 661,227. 1 Claim. (Cl. 248—37.)



A fishing rod holder comprising a supporting rod, a rod clamp consisting of pivotally connected jaws, one of the jaws being pivotally connected to the supporting rod, an arm fixed to the said jaw of the clamp and having an end portion extending beyond the end of the clamp and having a rod rest, a bolt connected with said arm and passing through the other clamp jaw and a spring coiled around said bolt and interposed between the last mentioned clamp jaw and the arm.

1,534,643. PICKLING-TANK CONTRUCTION. ROBERT C. HOPKINS, Alliance, Ohio. Filed June 10, 1924. Serial No. 719,121. 3 Claims. (Cl. 217—4.)

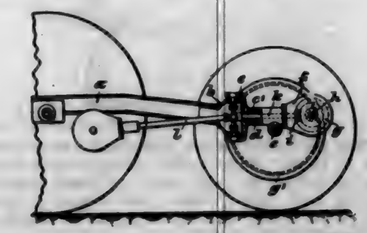


1. An acid tank including metal end walls provided with angular flanges at their side and bottom edges, the flanges being separated from each other at their ends, and wooden side and bottom walls connected to said flanges.

1,534,644. STORE FURNITURE. HASTING P. HOWARD, Memphis, Tenn., assignor of one-half to Albert S. Cook, Jr., Memphis, Tenn.; Nora L. Howard administratrix of said Hasting P. Howard, deceased. Original application filed Nov. 30, 1921, Serial No. 518,904. Divided and this application filed Apr. 17, 1922. Serial No. 553,696. 1 Claim. (Cl. 211—8.)

Furniture for a store room having a general entrance, comprising a transverse partition across the room forming a lobby near said general entrance, a plurality of spaced ingress and egress openings in said partition, an emergency gate in said partition leading to said lobby, a main settlement counter between two of said openings, cabinets arranged in a plurality of rows from said transverse partition and said counter in the direction of the rear wall of the store room, the rear ends of said rows stopping short of said wall a uniform distance to provide a stock department, said rows forming aisles between them all opening into said stock department, a transverse passage being arranged between said settlement counter and the ends of adjacent rows; one of said rows being spaced from the adjacent side wall of the store room to provide a corridor, the front end of the corridor communicating with another of said openings, an auxiliary settlement counter at the rear end of the corridor, a cage around said auxiliary settlement counter, a gate connecting said stock department with said corridor, and a guard adjacent said auxiliary settlement counter adapted to compel customers to pass close to the said auxiliary settlement counter before entering the corridor through said gate.

1,534,645. MOTOR-DRIVEN VEHICLE. FRITZ HUBER, Mannheim, Germany, assignor to Heinrich Lanz, Mannheim, Baden, Germany, a Co-partnership. Filed Apr. 16, 1924. Serial No. 706,803. 3 Claims. (Cl. 180—73.)



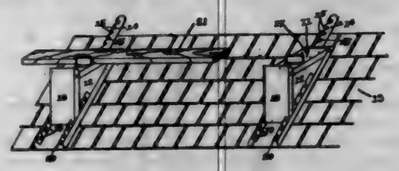
1. A chassis for a motor vehicle comprising a main frame, adapted to carry the motor, which at one end is mounted upon one axle of the vehicle and at its other end is pivoted centrally, to swing about a vertical axis, to a central longitudinal member which is swiveled within a sleeve fixed directly upon the second axle of the vehicle and carrying rigidly attached to its outer end a casing for the differential.

1,534,646. SUITCASE. ARTHUR KAHLOW, Mayville, Wis., assignor to Peerless Traveling Goods Co., Mayville, Wis. Filed Aug. 9, 1924. Serial No. 731,116. 3 Claims. (Cl. 190—49.)



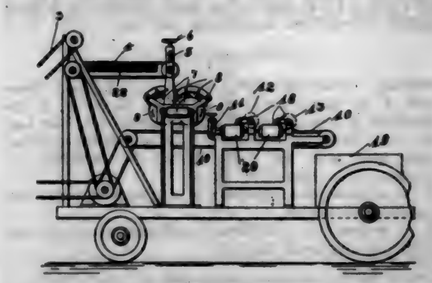
1. A suit case comprising a pair of box like members having meeting edges, a reinforcing metal frame extending completely around each of said edges, hinges connecting said sections, one of said frames being channeled, a leaf of each of said hinges being received within the channel.

1,534,647. ROOFING BRACKET. JACOB F. KEMMERLING, Cleveland Heights, Ohio. Filed Oct. 10, 1923. Serial No. 667,628. 12 Claims. (Cl. 304—20.)



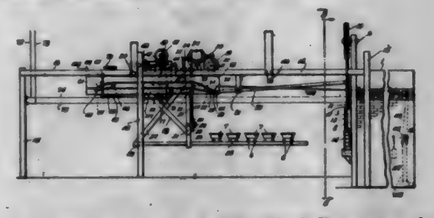
12. In combination with a roofing bracket having a plank supporting member arranged to receive a plurality of hooks, a shoulder for engaging the edge of such plank and comprising: a frame having hooks adapted to be received by said member when said frame is in one position and to be locked to said member when said frame is in another position; and means adapted to hold said frame in such other position.

1,534,648. ORE-REDUCING PROCESS. ERNST KNAUER, Los Angeles, Calif. Filed Dec. 9, 1920. Serial No. 429,526. 2 Claims. (Cl. 75—17.)



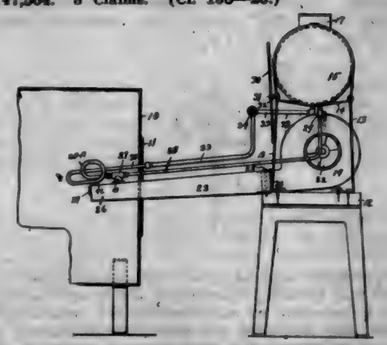
1. An ore-reducing process consisting in first subjecting wet ore to drying, then striking off an even layer of ore, then subjecting this dry and evenly conveyed material to open flames for burning combustible matter and at the same time fanning across the path of the burning and conveyed material so as to eliminate waste from such combustible matter, then separating matter from the ore magnetically.

1,534,649. CHARGING FORK FOR ENAMELING FURNACES. FRANCIS M. KOCH, Canton, Ohio, assignor to The Republic Stamping & Enameling Company, Canton, Ohio, a Corporation of Ohio. Filed Jan. 10, 1924. Serial No. 685,434. 16 Claims. (Cl. 214—26.)



1. A charging fork for furnaces including means for moving the fork into the furnace, cooperating mechanism set in operation by said inward movement of the fork for automatically moving the fork vertically within the furnace, and cooperating mechanism set in operation by said vertical movement of the fork for automatically withdrawing the fork from the furnace.

1,534,650. REFUSE-OIL BURNER. JACOB H. LARSON, Gresham, Oreg. Filed Nov. 3, 1924. Serial No. 747,504. 3 Claims. (Cl. 158—28.)



1. A refuse oil burner having, in combination, an inclined burner tip; a fan arranged to force air through said tip; a flat shell within the upper portion of the dis-

charge end of said tip; an oil container over said tip; a pipe leading from said container forming a coil over the discharge end of said tip and opening into said flat shell; and a lip formed in the under portion of said tip adapted to deflect air underneath said tip.

1,534,651. COMPOSITION. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Original application filed Aug. 9, 1922, Serial No. 580,699. Divided and this application filed Mar. 22, 1923. Serial No. 626,760. 11 Claims. (Cl. 106—40.)

1. A composition comprising a cellulosic material and an aluminum fluoride.

8. A composition comprising a cellulose derivative and ammonium aluminum fluoride.

1,534,652. PAPER FLAG. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed July 16, 1921. Serial No. 485,347. 6 Claims. (Cl. 116—173.)



2. A paper flag having at its mounting end a pasted tube, and a staff inserted in said tube, said staff made of a tube of paper, said tube tapering from its lower end to its upper end, said staff tube tapered as a result of longitudinal grooves formed therein, to enable it to fit into the socket of the flag.

1,534,653. PENCIL CLIP. HARRY J. MCMASTER, Sebring, Ohio. Filed July 29, 1921. Serial No. 488,353. 1 Claim. (Cl. 24—11.)



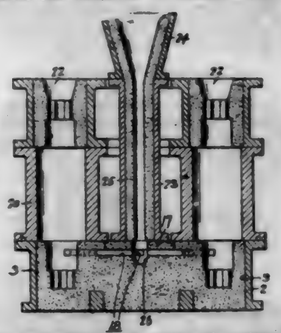
A pencil clip adapted to be secured upon a shirt front or the like, including a half round spring wire bent upon itself intermediate its ends, forming two parallel spring fingers with juxtaposed flat faces between which a portion of the shirt front is adapted to be pinched, the free ends of the fingers being outwardly curved, an eye being formed in the wire at the point where the same is bent upon itself, said wire being again bent upon itself at a point near the eye to increase the tension upon the spring fingers, the eye being in contact with one finger and a pencil clamp fixed upon the other finger.

1,534,654. FILLING FOR BOXING GLOVES. LOUIS N. NETZ and GEORGE NETZ, Milwaukee, Wis., assignors to Netz Glove & Mitten Co., Milwaukee, Wis. Filed Apr. 16, 1923. Serial No. 632,377. 1 Claim. (Cl. 2—18.)



A filling for boxing gloves comprising a body portion formed of molded sponge rubber having a substantially impervious outer skin, and having a recess formed in one of its sides, and a thumb piece formed of molded sponge rubber having a shank adapted to fit within and be positioned by said recess.

1,534,655. MOLD. WILLIAM H. NICHOLS, Wilkinsburg, Pa. Continuation of application Serial No. 486,813, filed Jan. 10, 1921. This application filed Mar. 12, 1924. Serial No. 699,044. 3 Claims. (Cl. 22—134.)



1. A mold comprising a plurality of cavities molded in sand, a common pouring gate, and runners connecting said pouring gate with said cavities, the ends of said runners adjacent to said cavities being wholly embedded in the sand of said mold, and the remaining portions of said runners having their tops closed by means of blocks formed separately from said mold.

1,534,656. BATTERY CELL. ROBERT STUART OWENS, Brooklyn, N. Y. Filed May 16, 1924. Serial No. 713,642. 11 Claims. (Cl. 136—88.)



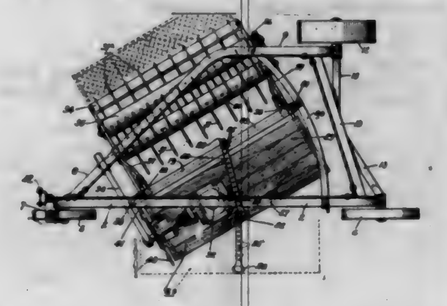
1. In a dry battery cell, a metallic electrode with its upper portion formed of a mass of metal having maximum thickness relatively to the lower portion, another electrode adjacent said metallic electrode, and a dry battery-filling material packed around said electrodes and against said upper portion.

1,534,657. ROTARY TOOTHBRUSH. CHARLES S. PATTERSON, Lancaster, Calif. Filed Apr. 27, 1923. Serial No. 634,091. 4 Claims. (Cl. 15—23.)



1. A rotary tooth brush comprising rotary drive mechanism, a driving connection operatably connected to said drive mechanism, an axially yieldable spring forming a rotary operating connection between said drive mechanism and said driving connection and tending to move said driving connection axially away from said drive mechanism, a bearing fixed relative to said drive mechanism axially beyond said driving connection, and a rotatable brush adapted to be journaled in said bearing at one end and having means adapted to detachably engage said driving connection at its other end.

1,534,658. MACHINE FOR REMOVING QUACK GRASS. HERMAN E. PEARSON, Waysata, Minn. Filed Apr. 16, 1923. Serial No. 632,421. 10 Claims. (Cl. 55—69.)

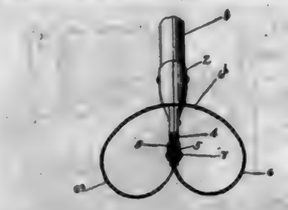


1. A machine of the class described comprising a frame having forward and rear wheels to travel in the furrow, and a wheel to run on the land, a frame mounted to swing horizontally and diagonally with respect to said machine frame, and a revolving reel supported in said swinging frame and having pins therein to dig into the loose soil thrown up by the plow and collect the grass roots therein.

2. A machine of the class described comprising a frame having forward and rear wheels to travel in the furrow, and a wheel to run on the land, a frame mounted to swing horizontally and diagonally with respect to said machine frame, a reel supported in said swinging frame and having pins therein to dig into the loose soil thrown up by the plow and collect the grass roots therein, said reel being mounted to tilt vertically to raise and lower its grass picking fingers.

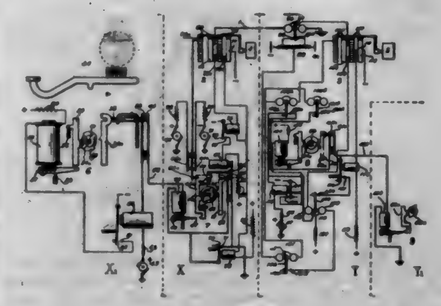
15. A machine of the class described, comprising a wheeled support adapted to travel along a furrow, rotary means carried by said support, said means having spaced fingers located to dig into the loose soil at the side of the furrow to separate grass roots therefrom, means to rotate said rotary means, and means to collect said grass roots.

1,534,659. AGRICULTURAL IMPLEMENT. ED L. PEET and WALTER G. HANSCOM, Minneapolis, and JOHN CULLIMORE SMITH, St. Paul, Minn. Filed Mar. 24, 1922. Serial No. 546,450. 2 Claims. (Cl. 97—63.)



2. A device of the class described comprising a shank, a metallic band of flat spring material having its ends mounted in said shank, and loops formed by said ends on each side of said shank, said loops having cutting edges for entering the soil and pull on said shank causing said cutting edges to assume an oblique shearing position.

1,534,660. SYSTEM OF TELEGRAPHIC DISTRIBUTION. LOUIS M. POTTS, Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1920. Serial No. 367,421. 8 Claims. (Cl. 178—71.)

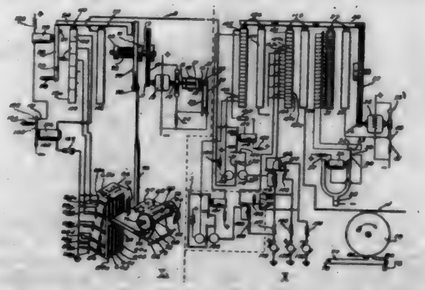


1. In a telegraph system, a sunflower device, means to operate said sunflower device uniformly, a series of relays, electrical connection between the coils of said relays and said sunflower device, a transmitting device started into operation at the beginning of each signal and automatically stopped at the end of each signal, said transmitting device including a series of transmitting contacts, said contacts being individually connected to the contacts of corresponding ones of said relays so that said relays control the character of the impulses transmitted by said transmitting contacts, a relay connected in a wire common to the circuit of all of said relays and responsive simultaneously with said relays upon the application of a current of a predetermined polarity for controlling the starting of said transmitting device.

1,534,661. SYSTEM OF TELEGRAPHIC DISTRIBUTION. LOUIS M. POTTS, Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y., a Corporation of New York. Filed Apr. 7, 1920. Serial No. 371,946. 10 Claims. (Cl. 178—71.)

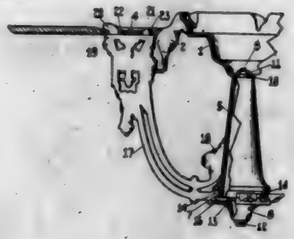
1. In a telegraphic system, a main line, and a branch line, the method of operation which consists in transmitting on said main line a series of impulses representing a plurality of characters, dividing the impulses of the several characters into groups, separating each

impulse of the groups by the same number of impulses of other groups, transmitting on the branch line a group of code combinations of message impulses in accordance with the impulses on the main line, each



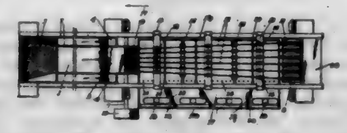
impulse of the group immediately succeeding the preceding impulse of the same group without an appreciable time interval between the end of one impulse and the beginning of the next succeeding impulse.

1,534,662. LIGHTING FIXTURE. JOHN K. RIDDLE, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 28, 1924. Serial No. 746,291. 4 Claims. (Cl. 243—78.)



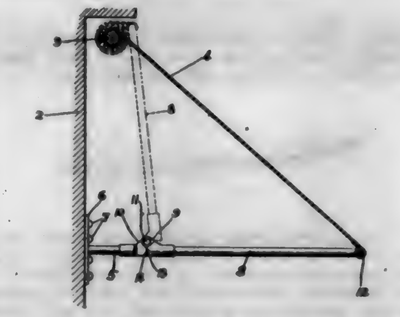
1. A lighting fixture comprising a body formed of a top plate, a central portion and a lower body portion, there being a circumferential groove adjacent the lower end of said body, a plurality of arms, the lower ends of which are mounted in said groove, there being a plurality of notches in the lower wall of said groove, shoulders formed on the lower ends of said arms which engage said wall adjacent said notches, an upwardly extending portion on said arms which contacts with the outer wall of the central body portion, lugs on the tops of said arms, one of which is hook-shaped, there being openings in said plate which register with said lugs and a through bolt to hold said plate, the central body portion, and the lower body portion tightly together, whereby said arms are locked tightly in place.

1,534,663. GRADER. LOUIS B. SAMMIS, Wallace, and FRANK R. HOOD, Burson, Calif. Filed May 26, 1924. Serial No. 715,842. 6 Claims. (Cl. 130—32.)



1. A grader including sheaves arranged in longitudinal sets, the sheaves of one set being spaced transversely a different distance from those of the other set, and a single endless driven cable passed about all the sheaves.

1,534,664. AWNING. HENRY J. SAUNDERS, Minneapolis, Minn. Filed Oct. 8, 1923. Serial No. 667,302. 2 Claims. (Cl. 156—44.)



2. An awning having studs provided with means for securing them to a building wall in a substantially horizontal position when the awning is lowered and arms forming horizontal extensions to said studs when the awning is let down, said studs and arms having off-set lugs formed thereon and bolts passing therethrough for pivotally connecting said arms with said studs, said arms and studs having shoulders with flat opposing faces formed below said lugs, the shoulders of said arms contacting with those of said studs when said arms are lowered to a substantially horizontal position and forming stops to support the awning and prevent pull or strain on the fabric from the weight of the frame and awning when it is lowered.

1,534,665. SAFETY RAZOR. EDWARD S. SAVAGE, Rochester, N. Y. Filed Oct. 14, 1922. Serial No. 594,591. 8 Claims. (Cl. 30—12.)

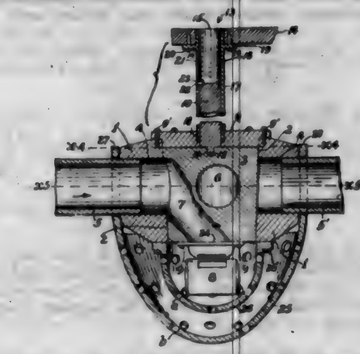


1. A safety razor comprising a handle, a guard rigid with the handle, blade holding means, and clamping member for clamping the blade in the blade holding means against the guard, and a common means for effecting a movement of the clamping member and the blade out of engagement with the guard and also out of engagement with each other.

1,534,666. ANTITHEFT ALARM FOR AUTOMOBILES. GEORGE SCHWEIKHARD, Los Angeles, Calif. Filed Dec. 12, 1919. Serial No. 344,474. 9 Claims. (Cl. 116—38.)

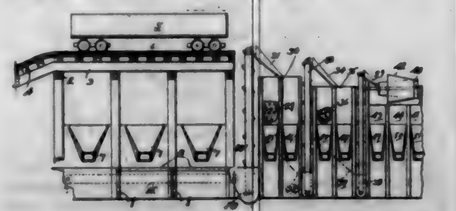
7. An automobile anti-theft device including in combination with an engine, an exhaust pipe for conducting the exhaust from said engine, an alarm device comprising a body adapted to receive sections of said pipe, a valve plug in said body, an alarm sounding device mounted on said plug, said body having an inner guard fastened thereto for protection of said alarm, an outer guard encircling said inner guard and the sections of said pipe; said guards being perforated to allow the sound to escape; means controlled by lock and key from

the interior of the automobile for operating the valve; said valve being provided with two bores so arranged as to conduct the exhaust of said engine through either



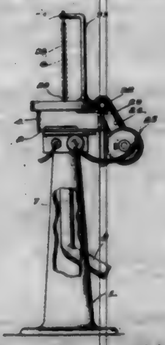
of said bores into a desired channel for the purpose of alternatively sounding or not sounding said alarm when the engine is running.

1,534,667. COAL-BUNKER SYSTEM. EDWIN CLINTON SHARPE, Piedmont, Calif. Filed June 25, 1923. Serial No. 647,582. 4 Claims. (Cl. 83—56.)



1. A coal bunker system, comprising a bin, a bin having screens to separate the material into three sizes, a breaker to which the coarsest material is passed, said bin retaining the intermediate material, chutes for loading wagons or filling sacks from the intermediate size material retained in said bin, a conveyor to take the broken material from the breaker back to the bin and another conveyor to take the finest material to a place of storage.

1,534,668. CREASING MACHINE. LOWELL W. SHIELDS, Rochester, N. Y., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y., a Corporation of New York. Filed Oct. 19, 1923. Serial No. 669,596. 12 Claims. (Cl. 69—8.)



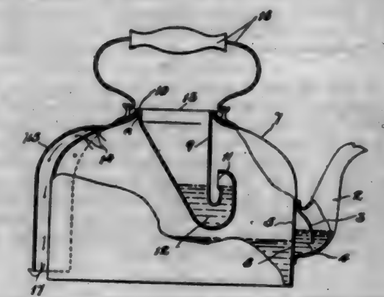
1. A loop creasing machine comprising a guide about which the loop extends and a shaping die rigidly connected to the guide so that the loops to be shaped can move from the guide to and about the die, and movable creasing devices operating upon the loops on the shaping die.

1,534,669. PIANO-KEYBOARD CARD SYSTEM. ANICE YOUNG SMITH, Minneapolis, Minn. Filed Sept. 11, 1922. Serial No. 587,290. 2 Claims. (Cl. 84—481.)



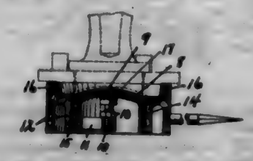
1. A keyboard card system for use in teaching the arrangement of the keys of a piano, comprising octave markers capable of being bent and of a length to have their ends inserted between keys to divide the keyboard into octaves; octave name cards having octave designations and key letter designations marked thereon, said cards being of a length to cover keys representing an octave and the key letter designations thereof being spaced to correspond to the key spaces of the octave; and individual key cards corresponding to individual keys and having key letters and staff notes marked thereon.

1,534,670. TEAKETTLE. MALCOLM SMITH, Seba Beach, Alberta, Calif. Filed Aug. 21, 1924. Serial No. 733,266. 2 Claims. (Cl. 53—9.)



1. In combination a vessel having a filling aperture and steam ports, and an outlet port; a spout associated with said outlet port; a water trap located in said spout and adapted to prevent the passage of steam through said spout; a water trap removably associated with the filling aperture of said vessel and adapted to permit water to pass therethrough into said vessel and to prevent the escape of steam through said filling aperture, and means to receive steam through said ports and adapted to discharge it.

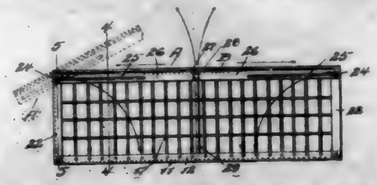
1,534,671. METHOD OF REDUCING FINISHED SURFACES UPON GLASS. HAROLD J. STEAD, Geneva, N. Y. Filed Aug. 31, 1922. Serial No. 585,406. 8 Claims. (Cl. 49—79.)



3. The method of producing a bifocal lens blank comprising heating a glass material to a moldable temperature, bringing into contact with said heated glass ma-

terial a highly polished metallic mold section under sufficient pressure to produce at the central portion of the resultant blank an optical surface suitable for visual purposes without grinding, and depressed below the surrounding surface of the blank, and then grinding and polishing the surrounding surface of the blank.

1,534,672. COLLAPSIBLE SHIPPING CRATE. ARTHUR J. STEWART, St. Louis, Mo. Filed Oct. 29, 1923. Serial No. 671,823. 3 Claims. (Cl. 220—6.)



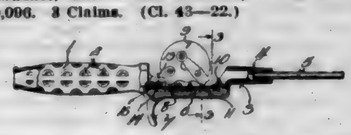
1. As a new article of manufacture, a collapsible shipping crate comprising a bottom, side-frames hinged to said bottom; end-frames also hinged to said bottom forming supports for said side-frames; and two cover-sections having hinged-and-sliding engagement with the tops of said end-frames and having depending side-flanges arranged to engage with the bottom when in collapsed position.

1,534,673. ELECTRICAL HEATING ELEMENT. WILLIAM W. WEIR, Alameda, Calif. Filed Jan. 10, 1923. Serial No. 611,870. 5 Claims. (Cl. 219—37.)



1. In an electric heating unit, the combination of an insulating plate having a spiral groove, both walls of which are inclined to the plane of the surface of the plate so that one wall of the groove overhangs the groove and a helically wound heating coil of bare wire in the groove, the groove being formed so that each convolution of the coil contacts with each wall of the groove at one point only, the two points of contact being spaced apart so that the convolutions do not contact with the bottom of the groove.

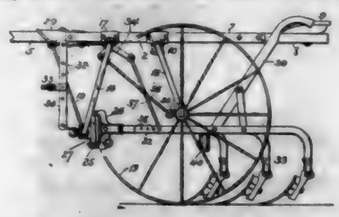
1,534,674. FISHING-ROD HANDLE. WILLIAM B. ZASS, Milwaukee, Wis. Filed Nov. 15, 1924. Serial No. 750,096. 3 Claims. (Cl. 43—22.)



1. A fishing rod handle comprising an integral body portion having a hand grip at its rear end and a rod receiving sleeve at its forward end and a depressed reel receiving intermediate portion, said intermediate portion having means for engaging the forward end of a reel base and having a pair of slotted side flanges adjacent its rear end, and a fastener carried in the slots and adapted to be slid forwardly over the rear end of the reel base.

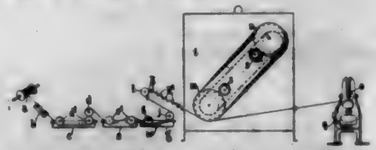
1,534,675. RIDING CULTIVATOR. RUDOLPH J. ALTGELT, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed May 13, 1922. Serial No. 560,702. 4 Claims. (Cl. 97—148.)

2. In a cultivator, the combination of a main frame provided near one end with a seat, crank axle members loosely connected with an intermediate portion of said main frame, carrying wheels, a front arch connected with the main frame, means for connecting said main frame and front arch rigidly with a pole, gang frames, coupling devices connecting said gang frames with the



front arch, bell-cranks mounted on said front arch, a connection between one arm of each bell crank and one of the gang frames, and a connection between the other arm of each bell-crank and the cranked portion of one of the axle members.

1,534,676. MANUFACTURE OF TAPE, CORD, YARN, ROPE, FABRIC, OR OTHER MATERIAL PRODUCED FROM FIBERS. GEORGE EDWARD ANDREW, Northwood, England, assignor to F. P. Limited, Jersey, Channel Islands. Filed July 5, 1923. Serial No. 649,692. 8 Claims. (Cl. 91—68.)

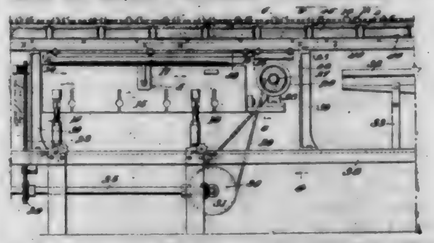


1. A method of forming material from fibers which comprises passing the fibers through an anti-coagulant for latex and then through vulcanized rubber latex prior to further treatment for the formation of the material.

3. A method of forming material from fibers which comprises passing the fibers through hot water, then through an anti-coagulant for latex and finally through vulcanised rubber latex prior to further treatment for the formation of the material.

7. A method of forming material from fibers which comprises spreading the fibers to form a strip of a thickness approximating to the thickness of a single fiber passing said fiber strip through an anti-coagulant for latex and then through vulcanized rubber latex prior to further treatment to form the finished material.

1,534,677. CAN-BODY-SOLDERING MACHINE. FRANK A. ASSMANN, Jr., and ALFRED L. KRONQUEST, Chicago, Ill., assignors to Continental Can Company, Syracuse, N. Y., a Corporation of New York. Filed Jan. 14, 1922. Serial No. 529,147. 23 Claims. (Cl. 113—60.)



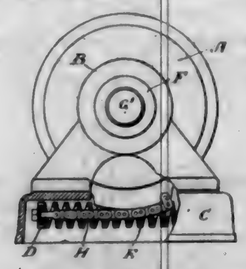
1. The combination of a magnetic support along which can bodies may be moved, means located above the can bodies for sliding the can bodies along said support, a solder bath located beneath the can bodies, and means

whereby the solder is applied to the side seams of the can bodies as they move along the support, said can bodies being freely carried by the magnetic support during a portion of their travel along the same and prior to passing over the solder bath whereby an imperfect can body can be stripped from the support by a downward pull thereon.

1,534,678. PIGMENT AND PROCESS OF MAKING SAME. STANLEY J. BEEBE, Union, N. Y. Filed Apr. 12, 1924. Serial No. 706,177. 5 Claims. (Cl. 134—60.)

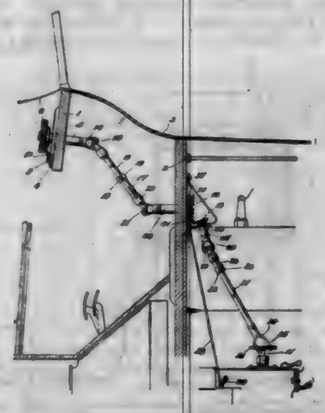
1. A pigmental substance consisting of the pulverized residue of destructive distillation of paper.

1,534,679. CONCENTRIC GEAR UNIT. FRANCIS JOHN BOSTOCK and SWINFEN BRAMLEY-MOORE, Huddersfield, England. Filed Mar. 29, 1923. Serial No. 628,424. 5 Claims. (Cl. 74—56.)



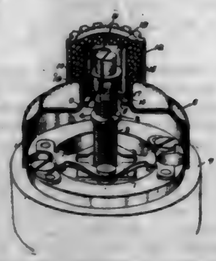
5. A concentric type of gear unit, comprising driving and driven shafts arranged in the same axial alignment, gearing connecting the said shafts, a framework supporting said shafts and said gearing, trunnions on said framework, fixed bearings in which said trunnions are mounted, a bed plate carrying said bearings, springs attached to said bed plate, and connections between said springs and the framework whereby the springs operate to yieldingly resist rotation of the framework.

1,534,680. CARBURETOR-ADJUSTING MECHANISM. GEORGE P. BUMP, La Crosse, Wis. Filed Jan. 24, 1924. Serial No. 688,237. 2 Claims. (Cl. 137—139.)



1. In a carburetor-adjusting mechanism, the combination of a knob, operative connections between the knob and the valve of the carburetor including shaft sections and intermeshing gears on the adjacent ends of the shaft sections, a lever loosely mounted upon one shaft section adjacent the gear, an operative connection between said lever and the choker valve of the carburetor, means for supporting said lever in normal position, and means carried by one of the gears to engage the lever after partial rotation of the gear and raise the lever through further rotation of the gear.

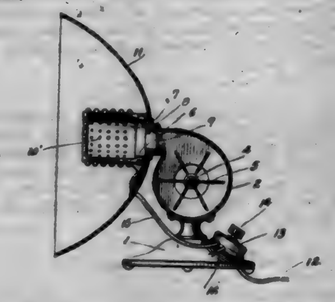
1,534,681. ROTARY-SWITCH HANDLE. GUSTAV BUTZKE, Alplaus Road, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 4, 1921. Serial No. 475,035. 7 Claims. (Cl. 200—172.)



1. A switch handle comprising a hub member having provisions for rotary attachment to a switch shaft, a radially movable pawl fixed upon said hub member, a chambered body member enclosing and movable longitudinally and rotarily about said hub member and pawl, longitudinal ratchet members on the chamber wall adapted to be engaged by said pawl normally to prevent rotation of the body member in one direction on the hub member, and means for locking said hub and body members together upon the latter member being moved longitudinally of the former member.

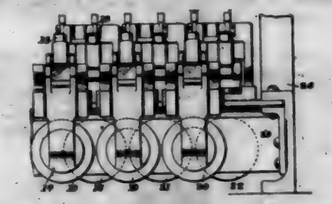
7. A switch handle comprising a hub member having provisions for attachment to a switch, a radially movable snap switch pawl fixed upon said hub member, a swivelled body member having an axial chamber therein with a ratchet member on the wall thereof adapted to be engaged by said snap pawl, and provisions for removing the body member from the switch which comprise a guide plate having an irregular central opening the walls of which engage the hub member when said body is moved axially outward.

1,534,682. ELECTRIC HEATER. SAMUEL M. CARMEAN and JAMES H. CARMEAN, Kansas City, Mo. Filed Apr. 11, 1924. Serial No. 705,772. 1 Claim. (Cl. 219—42.)



A heating element comprising a cylindrical hollow member having one end closed and the other provided with an open threaded collar, the wall of the casing having perforations arranged in circular rows about the periphery of the casing and a resistance wire wound around the casing between the rows of perforations.

1,534,683. MOUNTING FOR SWITCH-OPERATING MEANS. FRANK E. CASE and ARTHUR T. CROCKER, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Nov. 14, 1921. Serial No. 514,955. 8 Claims. (Cl. 175—298.)



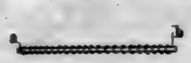
3. Operating means for a row of substantially uniformly spaced separately operated switch members, comprising a separate electromagnet for operating each of said switch members, a common magnetic support for the said electromagnets having a rib to which corresponding ends of the cores of the electromagnets are secured in rows on opposite sides thereof with intervening spaces between the electromagnets of less than the width of an electromagnet and with the electromagnets of one row in staggered relation with the electromagnets of the row on the opposite side of the said rib, and a separate armature for each of said electromagnets cooperating with the unsecured end of the core of the electromagnet and connected to a corresponding switch member of the said row.

1,534,684. PENDANT. LEWIS S. CHILSON, Attleboro, Mass., assignor to J. M. Fisher Company, Attleboro, Mass., a Corporation of Rhode Island. Filed Aug. 3, 1922. Serial No. 579,441. 1 Claim. (Cl. 41—22.)



An ornament of the character described comprising a background member formed of mother-of-pearl, a protecting lens, means for securing said lens and background together, feathers, or the like secured to the surface of said background member beneath said lens, said feathers being arranged in simulation of a bird or the like and said background having a natural iridescence imparting a depth, or distantial effect simulating the appearance of the sky.

1,534,685. PROCESS FOR SHAPING GLASS TUBES, MORE PARTICULARLY TUBES WITH RAREFIED GAS, INTENDED FOR LIGHTING OR LUMINOUS ADVERTISING. GEORGES CLAUDE and JEAN MARIE EDOUARD DE BEAUFORT, Boulogne-sur-Seine, France. Filed Dec. 21, 1923. Serial No. 682,045. 2 Claims. (Cl. 49—84.)



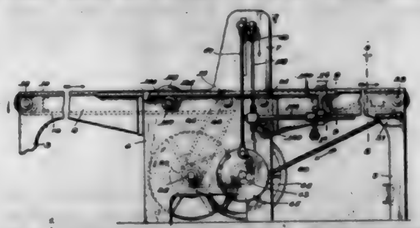
2. A process for shaping glass articles, comprising the successive steps of winding insulated wire around the article to be shaped; passing an electric current through said winding to soften the glass; shaping the softened article while the winding is in place thereon; shutting off the current; and removing the winding from the shaped article after the latter has cooled.

1,534,686. FLAP FOR CLINCHER TIRES. JOHN P. COLGAN, Waycross, Ga. Filed July 18, 1922. Serial No. 574,668. 6 Claims. (Cl. 152—20.)



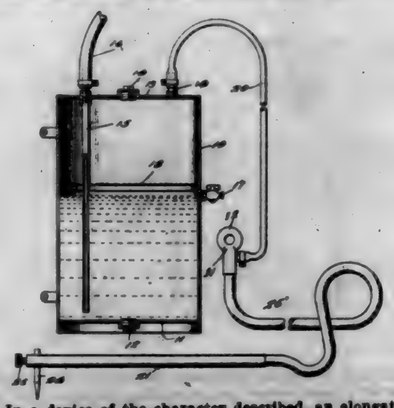
1. An endless tire flap comprising a flat ribbon of inelastic material having its ends joined by a piece of elastic material.

1,534,687. MACHINE FOR CUTTING VENEER. WILLIAM H. COLLINS, Painesville, Ohio. Filed July 31, 1922. Serial No. 578,775. 4 Claims. (Cl. 164—48.)



1. In a machine of the type described for operating upon a web or sheet of material, the combination of forward and rear sets of conveyor bands operating at opposite ends of a feed table, means for connecting both sets to a power shaft and for connecting the rear set thereto independently, a cutter reciprocable between the inner ends of said conveyor sets, and means operatively connected to said cutter for disconnecting both sets from the power shaft during its cutting stroke and for restoring the connection of the rear set to the power shaft at the termination of its return stroke.

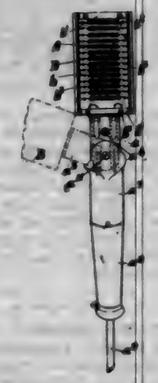
1,534,688. ELECTRIC WELDING DEVICE. WILLIAM BRUCE COLLINS, Raleigh, N. C. Filed Aug. 29, 1923. Serial No. 659,992. 5 Claims. (Cl. 219—8.)



1. In a device of the character described, an elongated electrode holder having a longitudinally extending bore terminating adjacent one end of the holder, an electrode

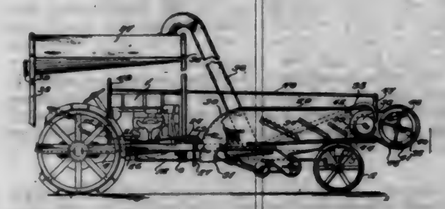
extended through the last named end of the holder and disposed transversely to said holder and said holder having angularly disposed passages communicating with the last named end of the bore thereof and adapted to direct compressed air from said bore against the one side of the electrode for the purpose described.

1,534,689. ELECTRIC HEATING DEVICE FOR BURNING AND DRYING PURPOSES. WILLIAM COOPER, Huddersfield, England. Filed Dec. 14, 1922. Serial No. 606,852. 7 Claims. (Cl. 219—19.)



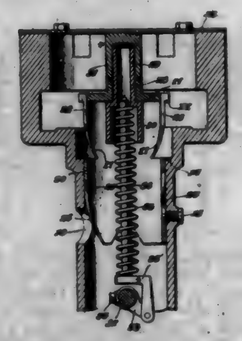
1. An electrically heated hand tool, comprising a handle, a socket holder of insulating material carried by the handle, a removable resistance holder, a pair of slidable pin and socket connections for securing the two holders together, an insulated resistance element secured in the resistance holder, and means for passing an electric current through the resistance element and the said pair of connections.

1,534,690. ATTACHMENT FOR TRACTORS. ROSS E. CURTIS, Lincoln, Kans. Filed Nov. 17, 1922. Serial No. 601,561. 4 Claims. (Cl. 56—21.)



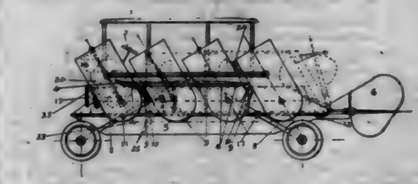
1. The combination with a tractor having a side pulley, of an extension frame secured about the rear axle of the tractor and extending at the sides of and beyond the tractor, the front end of the tractor being supported on said frame, means at the front end of the frame for attaching the front axle and steering wheels of the tractor, a harvesting mechanism secured on said frame, a straw discharge spout at the rear end of the frame extending downwardly in advance of and in spaced relation to the tractor, and terminating below the frame, said spout extending the full width of the frame, and means mounted on the frame between the harvesting mechanism and the tractor for operatively connecting the harvesting mechanism with the side pulley of the tractor.

1,534,691. SPEED GOVERNOR FOR TRACTORS. SCOTT R. DARBY, Medford, Oreg. Filed Nov. 1, 1923. Serial No. 598,453. 8 Claims. (Cl. 137—152.)



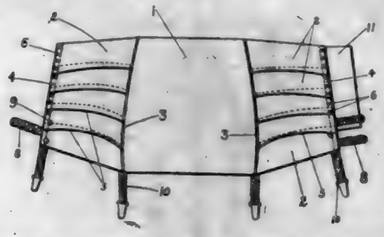
3. The combination with an engine intake conduit, of a hollow suction operated valve slidably fitting in said conduit and provided with a port in the wall thereof, the valve being open at one end, a rod extending into the valve at its open end and slidably associated with the valve, a spring surrounding said rod resisting movement of the valve to close said port, and means carried by the valve slidably receiving said rod and adjustable for regulating the mean tension of said spring.

1,534,692. HYDRO-AUTO-HELICOPTER. WILLIAM DANIEL DAVIS, Little Rock, Ark. Filed June 14, 1924. Serial No. 720,068. 1 Claim. (Cl. 244—2.)



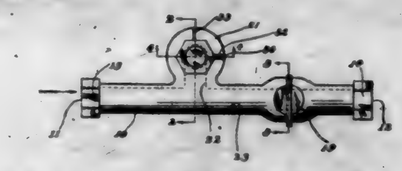
A combination hydro-auto-helicopter, comprising a body, with cab and sloping boat bottom; a plurality of vacuum propellers adjustably attached to the body; said vacuum propellers comprising a cylinder; said cylinder provided with a spiral propeller blade which is connected by means of bevel gearing to be driven by an engine; said propeller cylinders connected below to the body by a swivel where the drive shaft enters the cylinder; a bar at the top of the cylinder connected to a control stick, so top of propeller may stand perpendicular, or be moved forward or backward; two or more adjustable wings on each side of the body mounted by a joint and arm adjustable; to stand perpendicular when ascending or horizontal when flying forward, or be folded back against the side of vessel when running on land or water or for housing; a folding tail and rudder with hinge on top and latch below, so as to fold up on top of body when used on water or land or for housing; four wheels under the body connected with steering gear; said wheels mounted on axles, said axles attached to side beam axle support at lower end; said beam connected to the body, and provided with springs and air pump shock absorbers above; a pontoon on each side below the cylinders; a side shield with door, and a flange between the cylinders that closes the space automatically when descending perpendicularly; one adjustable spiral blade propeller attached to front end of fuselage and one to back end, driven by pulley and belt connected to an engine, for turning machine to right or left or parking same sidewise.

1,534,693. CORSET. YOLE BRUSCO DE MAGNANI, Buenos Aires, Argentina. Filed Apr. 3, 1924. Serial No. 704,044. 1 Claim. (Cl. 2—43.)



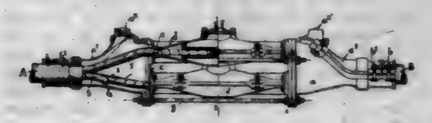
A corset comprising a back portion; a plurality of overlapping strips secured at one end to each side of said back portion; a securing strip fastened to each of the other ends of said overlapping strips; a wing member secured to one of said securing strips; a plurality of elastic strips fastened to the securing strips for fastening the lower ends of the securing strips together; and tightening means projecting over said wing portion for fastening the securing strips together, said elastic strips and the tightening means being adapted to secure the corset in place around the body of the wearer.

1,534,694. COMBINED WASTE COCK AND CUT-OFF FOR WATER PIPES. BALLARD M. DESKINS, Waverly, Ohio, and KENNIS F. DESKINS, Logan, W. Va. Filed May 14, 1924. Serial No. 713,266. 6 Claims. (Cl. 277—19.)



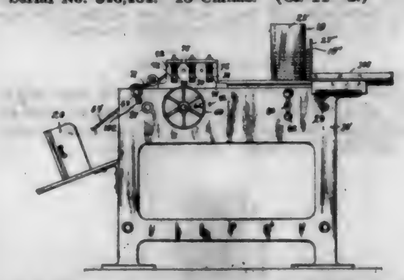
1. In a union for a pipe line, a cut-off cock in said union, and a projection on said union provided with a socket for a waste cock, the bore of the union having a branch connection with said socket whereby upon said waste cock being turned into open position and the cut-off cock into closed position, water will flow through said branch and out through said waste cock instead of along the pipe line beyond said cut-off cock.

1,534,695. ELECTRICAL JUNCTION BOX. FLORIMOND DOUCHET, Paris, France, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Filed Sept. 2, 1924. Serial No. 735,389. 8 Claims. (Cl. 247—1.)



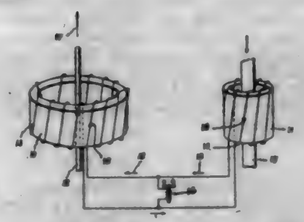
1. A junction box for multiple-core electrical cables, comprising a plurality of elementary boxes in parallel relation, means for connecting the ends of corresponding cores within said elementary boxes, a pair of shells secured at opposite extremities of said elementary boxes, and means for securing the respective cables to the outer ends of said shells, the individual cores diverging within said shells into alignment with the respective elementary boxes.

1,534,696. BOOK-COVER BACK-SHAPING APPARATUS. HENRY C. ELDREDGE, St. Bernard, Ohio, and CALEB H. LADD, Newport, Ky. Filed Mar. 24, 1922. Serial No. 546,484. 18 Claims. (Cl. 11—2.)



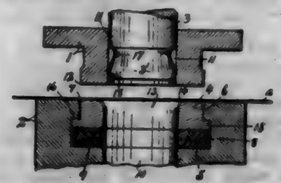
1. A book-cover shaping apparatus comprising guide rails over which the book covers are to be successively fed, a member over which book-cover backs are to be shaped, feed shafts transversely of said guide rails provided with feed rolls to engage the book-covers and feed said book covers along said guide rails and over said back shaping members, and rollers to engage the book-covers back upon opposite sides of said shaping members to force the book-covers back into contact with the sides of said back shaping member.

1,534,697. PROTECTIVE SYSTEM. ALAN STEWART FITZGERALD, London, England, assignor to General Electric Company, a Corporation of New York. Filed Aug. 13, 1924. Serial No. 731,867. 8 Claims. (Cl. 175—294.)



1. A protective arrangement for an alternating electric current circuit wherein two current transformers have their primary windings connected in said circuit and their secondary windings connected in series, characterized by the fact that one of said transformers is provided with an additional secondary winding arranged so that the combined effect thereon of said series connected secondary windings is neutralized by the primary winding of said one transformer when circuit conditions are normal.

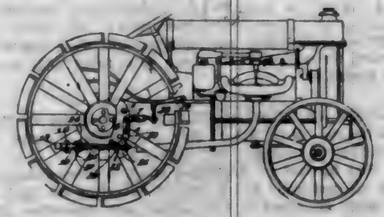
1,534,698. METHOD OF AND APPARATUS FOR MAKING PAPER-BOX CAPS. FRED GANSERT and HERMAN GANSERT, Jr., Syracuse, N. Y. Filed Nov. 8, 1922. Serial No. 598,952. 6 Claims. (Cl. 112—40.)



1. An apparatus for making paper box caps comprising coaxial axially movable cupping dies, and a resilient supporting ring for one of the dies compressible axially

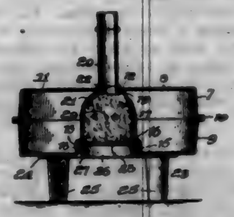
thereby and contractible inwardly by said compression to press the marginal flange of the cap inwardly during the cupping process.

1,534,699. CLUTCH RELEASE. JOSEPH IVAN GARDNER, Lakeside, Ariz. Filed Mar. 18, 1924. Serial No. 700,065. 1 Claim. (Cl. 180—14.)



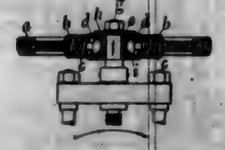
In a tractor, the combination of a clutch pedal, a lever having pivotal connections with the tractor, a draw bar pivotally connected with the lever, a bell crank lever pivoted on the tractor body with one arm provided with a perforation, a link connected with the clutch pedal passing through the perforation in the arm of the bell crank lever, means on the free end of the link adapted to engage the arm of the bell crank lever for moving it in one direction while permitting the bell crank lever to be moved without operating the clutch pedal, a rod connecting the other arm of the bell crank lever with the first mentioned lever, and a spring interposed between the bell crank lever and the first mentioned lever for resisting actuation of the bell crank lever until the load has been increased beyond a predetermined degree.

1,534,700. DECANTING APPARATUS. SIGMUND L. GOLDMAN, Chicago, Ill. Filed Oct. 17, 1921. Serial No. 508,131. 11 Claims. (Cl. 210—97.)



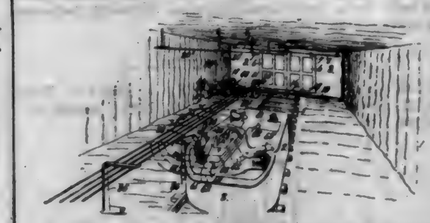
4. A suction float comprising a hollow member affording a passage for the flow of liquid therethrough, a portion of said passage below its upper end being of enlarged cross section, and an annular flange at said enlarged portion of the passage extending inwardly and laterally relative to the latter.

1,534,701. VALVE. TOM FREDERICK GRAY, Manchester, England. Filed Apr. 10, 1924. Serial No. 705,623. 3 Claims. (Cl. 251—45.)



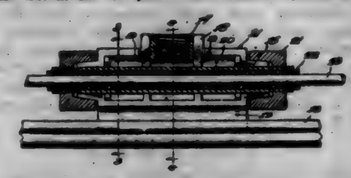
2. In valves, the provision within the hand wheel of spring containing pockets, plunger like elements engaged by said springs, and recesses in the valve spindle into which said plungers project, as set forth.

1,534,702. APPARATUS FOR OPERATING MINE DOORS, SWITCHES, OR THE LIKE. EDWARD H. GRIM, Dott, W. Va. Filed June 20, 1923. Serial No. 646,731. 11 Claims. (Cl. 246—125.)



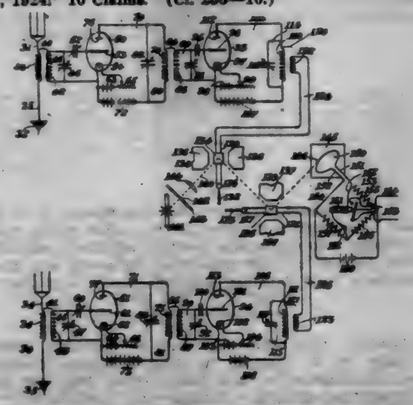
1. In mine door and switch operating systems, the combination with the element to be opened or closed, of an electric motor for opening and closing the same, electric circuit controlling means on a mine car for effecting the action of said motor as the car approaches the element to be opened or closed, and signalling instrumentalities including signals on the car and signal operating devices associated with the element to be opened or closed, for indicating to the operator on the car the position of said element.

1,534,703. WIRE HANGER. ALBERT J. GURNEY, Canton, Ohio, assignor to The American Mine Door Co., Canton, Ohio, a Corporation of Ohio. Filed June 14, 1924. Serial No. 720,074. 23 Claims. (Cl. 191—43.)



1. A hanger of the character described including coacting jaws to engage a wire, and rotatable independently adjustable means slidably coacting with the jaws securing the jaws together.

1,534,704. RECEIVING SYSTEM FOR RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Sept. 9, 1918, Serial No. 253,247. Renewed Nov. 3, 1924. 10 Claims. (Cl. 250—10.)



1. A receiving system for radiant energy comprising a plurality of receiving circuits tuned to different high frequencies respectively, a plurality of closed oscillatory circuits controlled by said receiving circuits respectively,

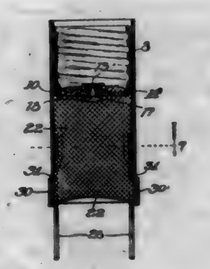
and means including a projected beam of light and a selenium cell having a configuration corresponding to the outline traced by the beam of light for controlling a signal, said means being arranged to operate said signal only for a predetermined phase difference between the received high frequencies.

1,534,705. SASH-GLAZING DEVICE. MILETUS B. HARRIS, Richmond, Va. Filed Sept. 19, 1922. Serial No. 589,109. 6 Claims. (Cl. 20—56.4.)



1. In a sash glazing device, a sash having a glass receiving rabbet, the bottom of the rabbet at the top, bottom and side rails of the sash having a groove, top, bottom and side glass retaining strips engaging with said groove, the adjacent ends of the upper and side glass retaining strips being mitered, the lower ends of the side retaining strips and the ends of the lower glass retaining strip being squared, so that the lower retaining strip will hold the side retaining strips in position, each strip having an inturned yieldable flange bearing against the glass, one end of the inwardly turned flange of the lower retaining strip having a lip to engage inwardly of one of the side retaining strips to guide the lower strip into position.

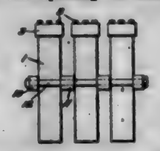
1,534,706. ELECTRIC-SOCKET STRUCTURE. MAX HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Apr. 28, 1920. Serial No. 377,148. 7 Claims. (Cl. 173—342.)



3. In a socket structure, the combination of a shell and a supporting member having arms which extend upwardly into overlapping position relative to said shell, with tongues on said arms bent outwardly and thence upwardly into clamping engagement with said shell.

1,534,707. OIL SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,253. 1 Claim. (Cl. 220—55.)

A container for an oil switch comprising an oil tank, a cover having a depending flange fitting thereover, a band surrounding said tank and welded thereto, a second band surrounding said first band and extending above the same to form a channel, a gasket seated in said channel, a bolt welded to the inner face of said tank, said cover having an opening to receive said bolt, a

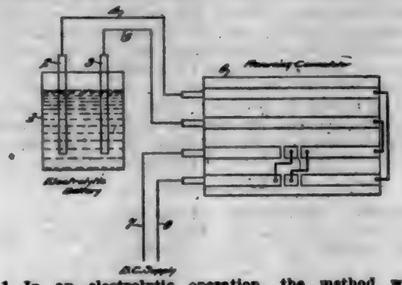


gasket on said cover surrounding said bolt and a nut threaded in said bolt to clamp said cover against said first gasket.

1,534,708. GLAZING CAST IRON. WILLIAM E. HOKE, Baltimore, Md. Filed Mar. 30, 1921. Serial No. 457,104. 2 Claims. (Cl. 148—4.)

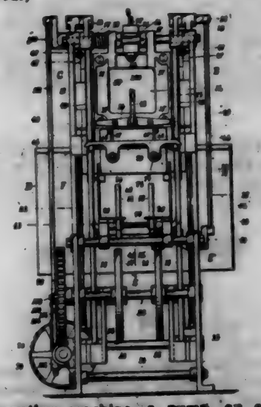
1. The method of producing hard, wear-resisting surfaces on cast-iron, which comprises acting on said surface with an abrasive tool under such operative conditions that the metal is heated to an abnormal degree.

1,534,709. METHOD OF CONDUCTING ELECTROLYTIC OPERATIONS. FRANCIS A. HOLT, Elmhurst, N. Y. Filed May 17, 1924. Serial No. 714,079. 5 Claims. (Cl. 204—11.)



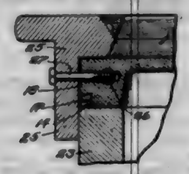
1. In an electrolytic operation, the method which comprises passing a direct electrolyzing current through the electrolytic bath at about the optimum rate until polarization begins to be detrimental, reversing the current only until the polarizing effect is substantially removed, and continuing this cycle of operations until electrolysis has taken place to the desired extent.

1,534,710. CASTING MACHINE. CHARLES E. HOPKINS, Plainfield, N. J.; The Plainfield Trust Company administrator of said Charles E. Hopkins, deceased. Filed Mar. 2, 1922. Serial No. 540,481. 48 Claims. (Cl. 22—71.)



1. In a casting machine, a pump, an operating connection, an actuating member for moving said operating connection a part of its stroke, a trip on said connection to be engaged by said actuating member to move the connection the remainder of its stroke, and an electro-magnet controlling the trip and positioning it for engagement with said actuating member only when the magnet is energised.

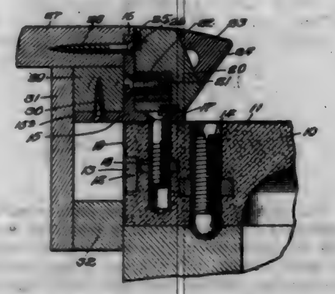
1,534,711. BILLIARD TABLE. EDMUND F. HOSKIN, Chicago, Ill., assignor to William A. Spinks & Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 8, 1924. Serial No. 736,596. 10 Claims. (Cl. 273—6.)



1. A billiard table bed made of molded material having a thickened border portion.

10. A billiard table bed formed of molded material having a thickened border portion, a recess in the outer side face of said thickened border portion, a plurality of nuts embedded in said thickened border portion adjacent said recess during the casting or molding of the bed, a cloth retaining strip lying in said recess, and a plurality of screws extending through said cloth retaining strip and entering said nuts above mentioned.

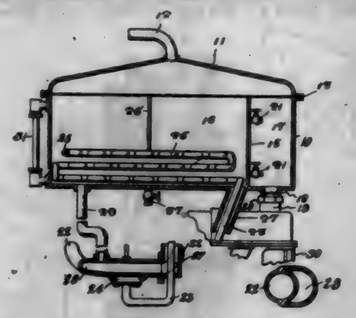
1,534,712. BILLIARD TABLE. EDMUND F. HOSKIN, Chicago, Ill., assignor to Wm. A. Spinks & Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 8, 1924. Serial No. 748,690. 9 Claims. (Cl. 273—8.)



1. In a table of the character described; a T-iron fastened to the bed of the table at its edge with a horizontal base plate and an upwardly projecting flange; a cushion strip carried by said T-iron on the inside of the vertical flange and on top of the base plate; and a rail carried by said T-iron on the outside of the vertical flange.

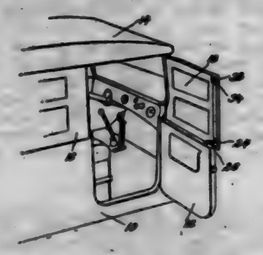
1,534,713. TOBACCO STEAMING AND DRYING APPARATUS. ORLANDO O. HUMPHREY, East Leavenworth, Mo. Filed Feb. 8, 1923. Serial No. 618,869. 5 Claims. (Cl. 126—20.)

1. The combination with an internal combustion engine having a cooling system including a fan, of a casing having an outlet port, a heating coil within the casing, means connecting the heating coil with exhaust ports of the engine, whereby the exhaust will pass



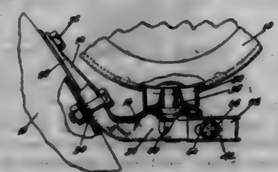
through the coil to heat air in the casing and means for conducting draft from the fan to the casing to force the heated air out through the outlet port.

1,534,714. CURTAIN SUPPORT. BENJAMIN JEROME, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 5, 1923. Serial No. 622,997. 2 Claims. (Cl. 296—139.)



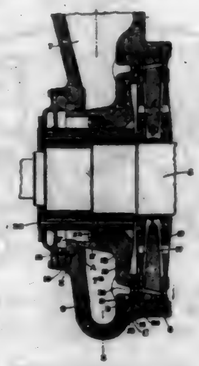
1. A vehicle door curtain comprising, in combination, a flexible curtain portion hemmed along its vertical and top edges, a facing strip secured along the vertical edge by the hemming seam and by a parallel seam to form a vertical pocket, a reinforcing piece sewed on at the top by said parallel seams, a vertical curtain rod in the pocket, and a fastening passing through the curtain and the rod and the reinforcing piece and clinched against the reinforcing piece.

1,534,715. HEADLAMP SUPPORT. BENJAMIN JEROME, Pontiac, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 26, 1923. Serial No. 682,696. 6 Claims. (Cl. 240—57.)



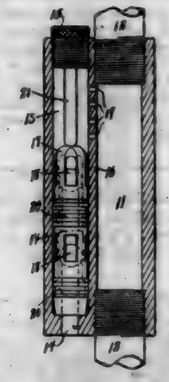
1. An automobile having, in combination, a pair of fenders, a bracket connected to each fender and having a convex upper surface, a cross-tie adjustably connecting the brackets, a lamp having a concave lower socket resting on the bracket, and means to clamp each lamp to its bracket.

1,534,716. ELASTIC-FLUID TURBINE. OSCAR JUNGGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 20, 1923. Serial No. 652,853. 1 Claim. (Cl. 253—39.)



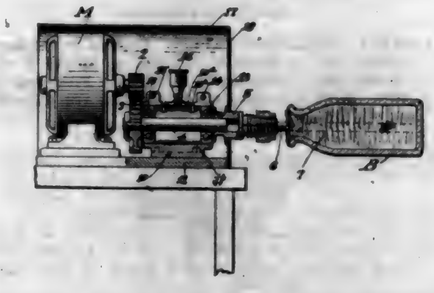
The combination in an elastic-fluid turbine, of a rotor having a shaft, a surrounding split casing, an end wall formed integral with the casing, said end wall having an opening through which the shaft projects, a solid ring structure having an axially-extending hub which surrounds the shaft in spaced relation thereto, said ring structure serving to anchor the end wall to the surrounding casing, and defining with the end wall an elastic-fluid chamber, a packing structure attached to and carried by the hub in the spaces between it and the shaft, whereby said packing structure moves radially with the ring structure when the ring structure expands and contracts, and nozzle means carried by said ring structure.

1,534,717. WELL-FLOWING DEVICE. GLEN KAHLE, Dallas, Tex. Filed Apr. 12, 1924. Serial No. 706,093. 3 Claims. (Cl. 103—5.)



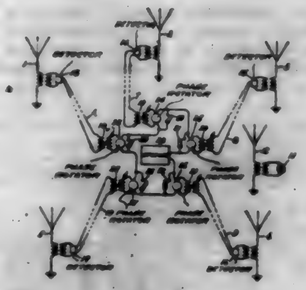
1. A well flowing device comprising a body having a pumping passage-way therethrough and sections of well tubing communicating with said passage-way, said body having a cylindrical chamber spaced from said passage-way and provided with an inlet for gas, valves mounted in said chamber, said body having a plurality of gas passages from said chamber to said passage-way of smaller capacity than the capacity of said inlet port, and means for preventing said valves rising up and choking said small passages.

1,534,718. BOTTLE-WASHING MACHINE. LOUIS F. KATONA, Los Angeles, Calif., assignor of one-half to Frank C. Wolf, Los Angeles, Calif. Filed Nov. 2, 1923. Serial No. 672,290. 2 Claims. (Cl. 308—189.)



1. A bottle washing machine having an anti-friction bearing composed of a housing, a ball bearing at the end of the housing, a longitudinal split in the housing adjacent the ball bearing, a transverse split at the inner end of the longitudinal split, means to clamp the housing at the longitudinal split and thereby firmly hold the ball bearing, and a brush driving shaft in the said ball bearing.

1,534,719. RADIO RECEIVING SYSTEM. EDWARD W. KELLOGG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,265. 9 Claims. (Cl. 250—8.)
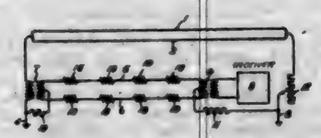


1. The method of operating a radio receiving system comprising a plurality of widely separated antennæ connected by transmission lines to a central receiving station, which consists in radiating a high frequency wave of a frequency differing from that of the signaling waves to be received by an amount sufficient to produce audible beats with the signaling wave, detecting at each antenna the resultant beat current received thereon, transmitting the resultant audio frequency current to the receiving station, selectively impressing upon the receiving apparatus the audio frequency currents thus transmitted, and selecting for the desired reception of signals the currents having the most favorable stray ratio.

1,534,720. RADIO RECEIVING SYSTEM. EDWARD W. KELLOGG and CHESTER W. RICE, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed May 18, 1921. Serial No. 470,712. 18 Claims. (Cl. 250—20.)

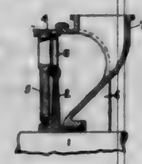
1. A receiving system for radio signals comprising a long horizontal receiving antenna, a transmission line

running parallel to said antenna for conveying signaling currents from a selected point in said antenna to a



distant receiving station, and means for preventing undesired inductive effects between the antenna and the transmission line.

1,534,721. CONSTRUCTION OF ELASTIC-FLUID TURBINES TO PREVENT BREAKAGE OF BLADES DUE TO VIBRATIONS. OSKAR LASCHE, deceased, late of Westend, Germany, by Fritz Lasche, administrator, Westend, Germany, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Filed April 28, 1924. Serial No. 709,859. 4 Claims. (Cl. 253—39.)



1. An elastic fluid turbine having diaphragms provided with nozzles which direct elastic fluid to the turbine buckets, characterized by the fact that the spacing of the nozzle partitions changes around the periphery of the diaphragm.

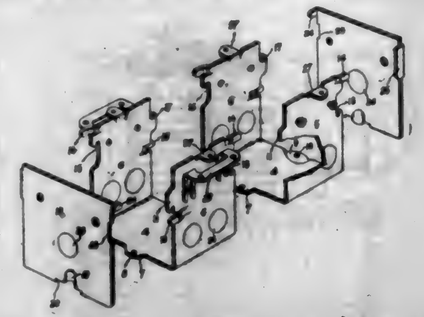
1,534,722. COMBINED SPINNER AND FLY. LAURENCE L. LEIBERMAN and HENRY T. JACOBS, Meadville, Pa. Filed Aug. 31, 1922. Serial No. 585,372. 8 Claims. (Cl. 43—46.)



1. A combined spinner and fly comprising a central portion, a pair of arms formed integrally therewith, one of said arms being longer than the other, said arms being of different pitch, and a stem inclined to the plane of said central portion extending through the same.

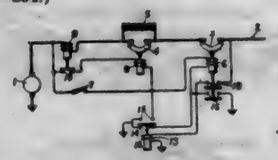
1,534,723. SECTIONAL SWITCH BOX. EDWARD H. LEWIS, Bridgeport, Conn., assignor to General Electric Company, a Corporation of New York. Filed Aug. 1, 1924. Serial No. 729,632. 4 Claims. (Cl. 247—16.)

1. A sectional switch box comprising body members and end plates, said body members having side walls provided with engaging hooks and recesses in their edges which lie in the planes of the side walls, and bottom walls provided with overlapping projections having openings for fastening means, and said end plates having



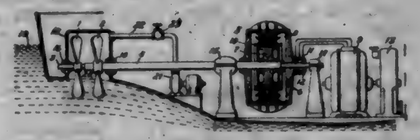
notches for engagement with the hooks of the body members and recesses adapted to receive fastening means inserted in the openings in said projections.

1,534,724. AUTOMATIC SWITCHING SYSTEM. GORDON R. MCDONALD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 8, 1924. Serial No. 705,108. 6 Claims. (Cl. 175—294.)



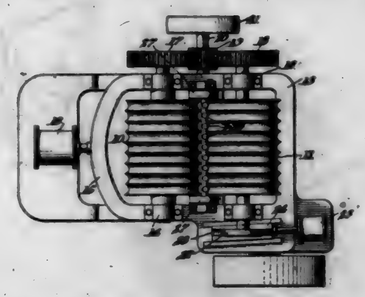
5. In combination, a source of current, a load circuit, a resistor, an electromagnetically operated switch arranged to connect said source to said circuit with said resistor in series therewith, a circuit for said switch, means operative to complete said circuit whereby said switch may be closed, an overload relay responsive to the current supplied to said load circuit by said source, a second electromagnetically operated switch arranged to short circuit said resistor, a circuit for said short-circuiting switch controlled by said overload relay, a relay arranged to be connected across said load circuit so as to be responsive to the voltage thereof when said first mentioned switch is closed, and contacts in the circuit of said short-circuiting switch controlled by said voltage relay.

1,534,725. SHIP PROPULSION. CAMPBELL MACMILLAN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 28, 1923. Serial No. 641,847. 5 Claims. (Cl. 115—42.)



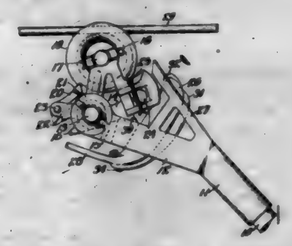
1. A system of ship propulsion wherein oppositely rotating vane-wheels are utilized in producing the force required to drive the ship, characterized by the fact that means are provided for producing an artificial water-level by which partial and substantially uniform immersion of the vanes is secured under all conditions of operation.

1,534,726. BALL-ROLLING MACHINE. FRANK EARL MARCY, Los Angeles, Calif. Filed Nov. 22, 1922. Serial No. 602,647. 6 Claims. (Cl. 80—23.)



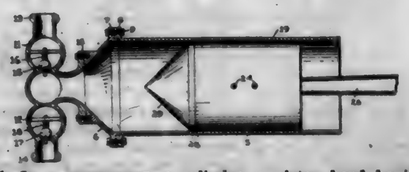
1. In a ball-rolling apparatus, the combination with co-acting grooved ball-forming rolls and means for moving one of the rolls toward and away from the other roll, of means disposed between the rolls below the center plane thereof for effecting a forming action upon the balls, said means comprising upwardly directed posts in alignment with the grooves of the rolls, having top surfaces sloping from one side to the other in the direction of rotation of the rolls.

1,534,727. SLEET CUTTER FOR TROLLEY WIRES. GILES S. MOORE, Indianapolis, Ind., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind., a Corporation of Indiana. Filed Jan. 4, 1924. Serial No. 684,376. 4 Claims. (Cl. 191—59.1.)



1. In a trolley, a sliding shoe normally positioned for engagement with the wire in one direction of movement, a roller engageable with the wire on reverse movement of the car, and sleet cutting means adapted to be positioned on the trolley for engagement with the wire in place of said shoe on forward movement of the car, substantially as set forth.

1,534,728. COMPRESSOR. WILLIAM E. NOAD, Jackson, Mich. Filed Jan. 17, 1924. Serial No. 686,862. 4 Claims. (Cl. 230—27.)

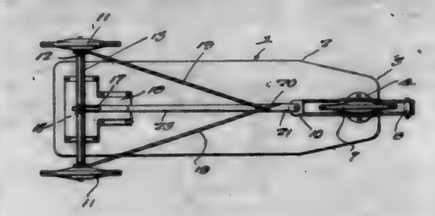


1. In a compressor, a cylinder, a piston head having a conical inner wall secured thereto, a member constituting an extension of the cylinder and a valve casing connected to said member, said piston having its end contoured to the configuration of the inner wall of the cylinder head, substantially as described.

1,534,729. PROCESS FOR THE MANUFACTURE OF COLLOIDAL SUBSTANCES IN THE FORM OF SMALL BALLS OR GRAINS. ALBERT OBERSOHN, Berlin-Charlottenburg, WILHELM WACHTEL, Berlin, DANIEL SAKOM, Wiesbaden, and PAUL ASKENASY, Karlsruhe, Germany. Filed Mar. 13, 1924. Serial No. 699,127. 10 Claims. (Cl. 252—6.)

1. A process for reducing a colloidal substance to granular form comprising forming said substance into drops, fixing the form of said drops by preliminary chilling, and solidifying the granules thus formed by passage through an agent physically reactive with said substance.

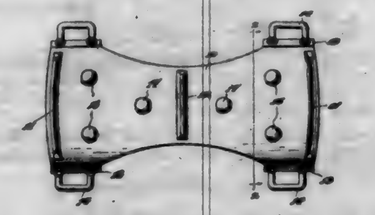
1,534,730. COASTER WAGON. JAMES O'BRIEN, Hutchinson, Kans. Filed Sept. 2, 1924. Serial No. 735,350. 3 Claims. (Cl. 280—87.5.)



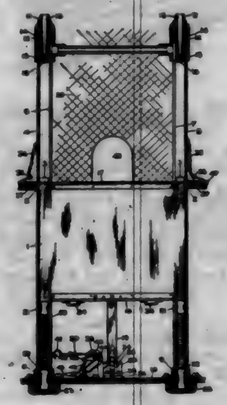
3. A toy vehicle of the class described, comprising a body having its forward end fashioned to facilitate foot propulsion, an inverted yoke having a flattened bight portion pivotally connected to the under side of the body adjacent the front end thereof, an elongated frame integral with the lower ends of the arms of said yokes, a ground engaging and steering wheel disposed within said frame and provided with journals rotatably received in bearing openings in the side portions of the frame, the rear portion of said frame being equipped with a flattened extension, a hollow casing secured to the under side of the body adjacent the rear end thereof, said casing being provided with an elongated longitudinally extending slot, an inverted U-shaped bolster having a flat intermediate portion movably contacting the under side of said casing, said flattened portion having an aperture in alignment with said slot, a bolt extending through said aperture and having its ends disposed slidably and rotatably within the casing, the shank thereof passing through said slot, an axle extending through the downturned ends of said bolster, rear wheels secured to the outer ends of the axle, a pair of forwardly diverging radius rods connected at their rear ends to the axle, and pivotally connected at their forward ends to the aforesaid flattened extension, and a brace having its rear end in association with said casing, and its forward end connected with said extension.

1,534,731. TRACTION SHOE FOR VEHICLE WHEELS. JOSEPH PALLISCHECK, Muscatine, Iowa. Filed Aug. 25, 1924. Serial No. 734,016. 1 Claim. (Cl. 152—14.)

In a traction shoe for vehicle wheels, the combination of an oblong longitudinally and transversely curved plate reduced medially and provided at its ends with depending ears projecting from the side edges of the plate, substantially U-shaped loops having spaced sides fixed at their ends to said ears, longitudinally curved upstanding traction ribs formed on the plate near its ends and extending transversely of the plate substantially in alinement with corresponding sides of said loops, a straight integral transverse upstanding traction rib formed on the plate substantially midway between the former ribs and reinforcing the reduced central portion of the plate, pairs of transversely spaced upstanding knobs formed on the end portions of the plate between said ribs and substantially alining with the opposite corresponding sides of said loops, and like knobs formed on the plate immediately adjacent opposite sides of said last mentioned ribs and lying in a plane passing midway between said pairs of knobs.



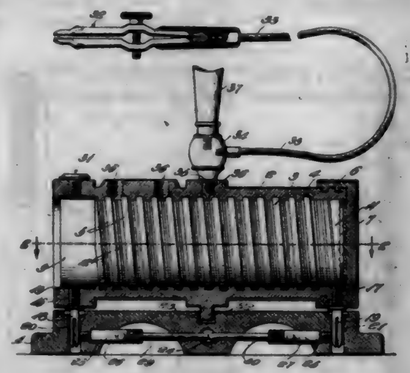
1,534,732. DEVICE FOR GUARDING TELLERS AND OTHER CUSTODIANS. WILLIAM HENRY PALMER, Montreal, Quebec, Canada. Filed Feb. 12, 1923. Serial No. 618,732. 2 Claims. (Cl. 20—1.01.)



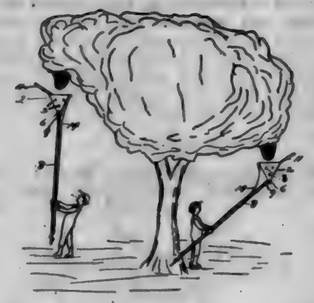
1. A teller's guard including a pair of spaced tubular guides having opposite slots, a shield movable vertically and having its side portion slidable in the guides, springs housed in the guides and located below the shield for urging the same upwardly, hammers also slidable in the guide and mounted upon and carried by the shield, gun barrels mounted on the upper ends of the guides and forming stops for the shield and adapted to receive blank cartridges to be exploded by the said hammers and means for setting and tripping the shield.

1,534,733. ELECTRIC HEATER. MANUEL HUMBERTO PEREZ, San Pedro Sula, Honduras. Filed Oct. 8, 1923. Serial No. 667,343. 10 Claims. (Cl. 219—38.)

1. An electric heater comprising a casing, a core threaded into the casing and forming a heating chamber, a resistance unit wound about the core between the threads thereof, circuit connections leading to said resistance unit, and a conductor connected with one terminal of the coil, said casing having sockets therein in line with certain convolutions of the unit.

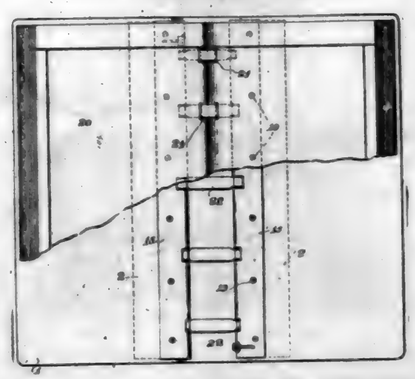


1,534,734. INSECT AND NEST DESTROYER. JOHN C. PORTER, Woodstown, N. J. Filed Nov. 23, 1923. Serial No. 676,505. 3 Claims. (Cl. 43—125.)



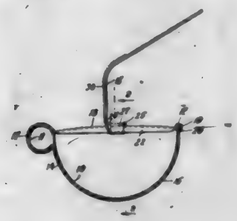
3. An insect and nest destroyer comprising, in combination, a pole, a ferrule attached to and enclosing one end of said pole, a funnel shaped holder having portions of its walls partially cut out and bent inward to provide retaining prongs and produce air vents, a shank provided with a slot for the reception of the ferrule, means to pivot said shank to the ferrule, said slot permitting the holder to be positioned at an angle to the pole, a pull member attached to the upper end of the holder and having a portion paralleling the pole whereby the holder may be moved into different positions, said pull member having spaced notches therein, a staple carried by the pole through which the pull member passes and with which the notches register to retain the holder in different adjusted positions, a cover hinged to the upper end of the holder, means for limiting the opening movement of said cover and an absorbent material within the holder for saturation with an inflammable substance, said absorbent material being held against accidental displacement by the retaining prongs.

1,534,735. LOOSE-LEAF BINDER. GEORGE PRIMBS, Sr., Pocatello, Idaho, assignor to Geo. Primbs & Sons, Inc., Pocatello, Idaho, a Corporation of Idaho. Filed Jan. 29, 1924. Serial No. 689,229. 8 Claims. (Cl. 129—41.)



1. A loose leaf binder, including a cover, locking means secured to said cover compising a plurality of individually spring actuated latches, a plurality of strap members having lugs thereon, said lugs being adapted to engage said latches to hold the leaves in said binder.

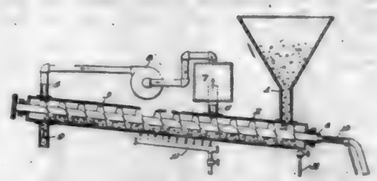
1,534,736. GUTTER HANGER. MAX RACHLIN, New York, N. Y. Filed Dec. 9, 1924. Serial No. 754,741. 2 Claims. (Cl. 108—29.)



1. A gutter hanger including a channel bar extending transversely of the gutter, a roof strap having its lower end bent at right angles and resting on said bar, a clip having a transverse cross-section corresponding substantially to that of said bar straddling said roof strap and said bar and thereby holding said roof strap in position on said bar, and means upon the inner end of said strap in engagement with said clip for preventing relative movement between said roof strap and said clip, said clip preventing movement of said strap on said bar both transversely and longitudinally.

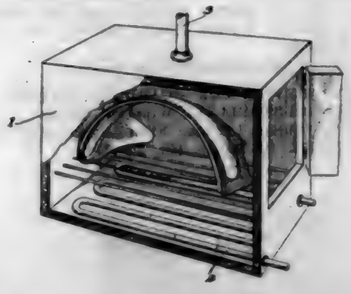
1534,737. PROCESS OF AND APPARATUS FOR HEATING MATERIALS. CHARLES J. REED, San Mateo, Calif. Original application filed Sept. 9, 1918, Serial No. 253,343. Divided and this application filed Dec. 19, 1922. Serial No. 607,922. 5 Claims. (Cl. 263—25.)

1. In the heat-treatment of solid material, the process which consists in causing the solid material to move progressively from a lower to a higher level from a colder to a hotter zone, and from the hotter zone into a second colder zone, against a stream of chemically active mobile material, thereby extracting heat from



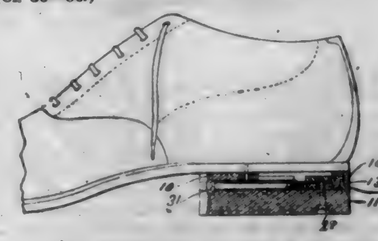
the solid while it is passing from the hotter zone and imparting heat to the solid while it is approaching the hotter zone.

1,534,738. METHOD OF DRYING VARNISH. CHARLES H. ROE, Tarrytown, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed March 31, 1920. Serial No. 370,278. 5 Claims. (Cl. 34—24.)



3. The method of drying a liquid coating composition containing a volatile ingredient and a drying oil applied as a film to an article to be coated which consists in heating the article within a chamber in which a limited amount of oxygen is present, to thereby evaporate the volatile constituent from said film, as a first step or phase; and then oxidizing the drying oil constituent of said film in a chamber wherein an abundant supply of oxygen is present as a second step or phase separate and distinct from said first mentioned phase.

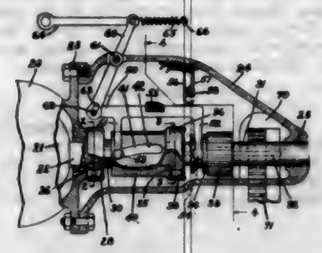
1,534,739. HEEL. BENJAMIN SANDOR, Cleveland, Ohio. Filed Nov. 19, 1923. Serial No. 675,466. 2 Claims. (Cl. 36—36.)



1. A device for connecting the lifts of a heel, comprising in combination, a member rigidly attached to the upper lift and comprising a hollowed-out plate and an arm carried by said plate and extending rearwardly and centrally of the hollowed out portion of said plate, a second member having the periphery thereof shaped to enter the opening within the first mentioned plate,

and having a transversely extending slot adapted to receive a portion of said arm, the second named member, having a longitudinally extending passageway terminating adjacent said slot, and the first named member having a passageway leading from the forward face thereof in registration with the passageway in the second named member, and means extending through said passageways and engaging said arm for locking said members together.

1,534,740. GEAR-SHIFTING MECHANISM. ELMER H. SCHWARZ, Fort Lee, N. J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 23, 1921. Serial No. 446,998. 9 Claims. (Cl. 74—7.)



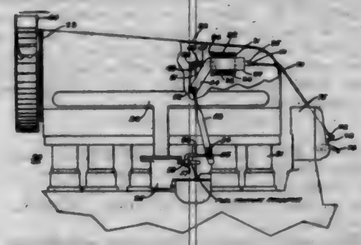
1. In a mechanism for connecting a rotatable device with a gear, the combination with a pinion slidably connected with said device; of manually operable means independent of the rotatable device for shifting said pinion and for producing rotation thereof previous to engagement with said gear, and then for meshing the pinion with the gear without effecting rotation of said pinion.

1,534,741. FODDER FROM FISH OR TRAIN OIL AND EMULSIONS THEREOF AND METHOD OF PREPARING THE SAME. JAKOB SCHWARZKOPF, Elmshorn, Germany. Filed Oct. 28, 1924. Serial No. 746,401. 4 Claims. (Cl. 99—11.)

3. A method of rendering fish and train oils more suitable for feeding purposes and more digestible, consisting in heating the fish or train oil and causing the latter to be absorbed by bran, meal, broken oil cake, peat and the like.

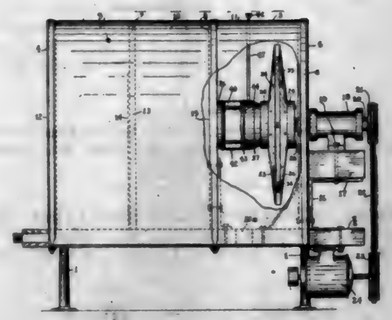
4. A stock food comprising fish oil absorbed in bran, meal or the like.

1,534,742. CARBURETOR CONTROL. CHARLES R. SHORT and ABRAHAM M. BABITCH, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 22, 1923. Serial No. 640,794. 2 Claims. (Cl. 123—119.)



1. Apparatus for controlling engine fuel comprising the combination with a fuel mixture regulator; of engine temperature responsive means including a thermostat and linkage between the thermostat and the regulator for operating the regulator; and means controlled automatically by the starting of the engine for moving said thermostat bodily in order to modify the action of the temperature responsive means.

1,534,743. FAN OR BLOWER. JOHN SLAVIN, Rochester, N. Y. Filed Feb. 23, 1924. Serial No. 694,464. 9 Claims. (Cl. 230—11.)



6. The combination with a rotary fan for creating suction, of a part carried by the fan provided with an inlet opening, a conduit embodying two rings, one of which abuts the fan part about the inlet opening, rods supporting said last mentioned ring from the other ring and permitting said last mentioned ring to be moved toward and from said other ring, spring means holding the movable ring with yielding pressure against the fan part about the inlet opening, and means connecting said rings to cover the space between them and permitting the movable ring to move relatively to the other ring.

1,534,744. SPARK PLUG. DOMINICK SPRADA, Buffalo, N. Y. Filed May 24, 1923. Serial No. 641,084. 6 Claims. (Cl. 123—169.)

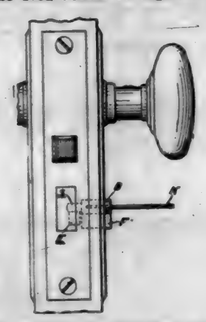


1. A spark plug comprising a casing, an insulation core within said casing having an axial electrode provided at its inner end with a glazed spherical insulator, and an electrode extending through said spherical insulator and in sparking relation to said axial electrode and to said casing.

1,534,745. KEYHOLE PLUG. JERRY STAPLETON, Los Angeles, Calif., assignor of one-half to David A. Fleming, Los Angeles, Calif. Filed Dec. 29, 1921. Serial No. 525,055. 2 Claims. (Cl. 70—8.)

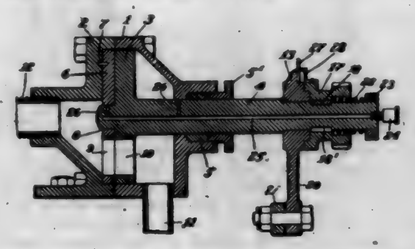
1. A keyhole plug comprising a barrel, a flange formed on the barrel, a shank rotatably sustained in the barrel, a locking extension formed on the shank, pins in the barrel for limiting the rotational movement of said shank in either direction, a spring pressed locking block having a recess therein which is normally disalined with respect to one of said pins to prevent rotation of the

shank within the barrel, wards within the barrel, and a key insertable within the shank and barrel for forcing the block to cause said recess to register with said pin



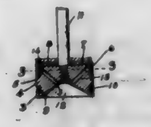
and having clefts therein adapted for registration with said wards whereby rotation of said shank can be effected.

1,534,746. AUTOMATIC VALVE MECHANISM. ROBERT D. TACKABERRY, Lewiston, Me. Filed Mar. 28, 1922. Serial No. 547,555. 5 Claims. (Cl. 137—146.)



1. An automatic valve mechanism, comprising relatively movable valve and seat members having ports adapted to register, a rotatable timer, and operative connections from said timer to said valve effective to transmit the rotary motion of said timer to the valve as oscillatory motion and comprising a fast and a loose clutch element adapted to engage with each other, and a crank connection between said loose clutch element and said timer.

1,534,747. PUMP PISTON. ERNEST TIMMONS, Cicero, Ind., assignor of one-half to E. E. Cornthwaite, Cicero, Ind. Filed Nov. 9, 1922. Serial No. 599,880. 1 Claim. (Cl. 74—109.)



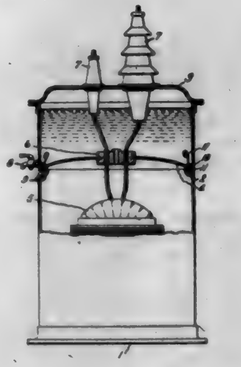
A piston in the form of a cylindrical block having an axial threaded opening, a conical recess at its under side, an annular peripheral recess extending to its upper end with a deeper annular groove adjacent the upper end of the recess, an annular peripheral recess adjacent to the lower end of the block, and passages connecting the conical recess with said groove, in combination with a threaded rod engaging said axial opening, a cup-shaped packing on the upper end of the block with an aperture for said rod, said cup having a flange extending to the bottom of said first-named peripheral recess, means for holding said cup-shaped packing in place, and a packing ring in said second recess, substantially as set forth.

1,534,748. OVEN, SAUCEPAN, AND THE LIKE. MICHELE TOCCHIO, London, England. Filed Dec. 21, 1923. Serial No. 682,083. 8 Claims. (Cl. 126—275.)



1. A cooker comprising a casing, a door therefor, a disc at the base thereof, bars at the top of the casing and secured thereto, certain of said bars having depending ends formed with shelf-supporting brackets, said casing and bars adapted to support cooking utensils.

1,534,749. ELECTRICAL APPARATUS CASING. MATTHEW O. TROY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 27, 1922. Serial No. 564,182. 2 Claims. (Cl. 175—361.)

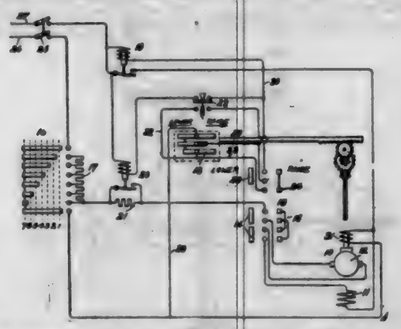


1. An electrical apparatus casing having an upper compartment and a lower compartment separated by a partition, the partition having an insulating portion with an opening to provide communication between said compartments, an insulating liquid filling the lower compartment and extending through said opening to a level in the upper compartment above the upper end of the opening, electrical apparatus immersed in the liquid in the lower compartment, and leads extending from said apparatus through the insulating portion of the partition to outlets above the partition, a second portion of the partition being below the upper end of the opening in its insulating portion to collect substances settling in the liquid above the partition and prevent their passage through said opening into the lower compartment.

1,534,750. MOTOR-CONTROL SYSTEM. HARVEY H. VERNON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 5, 1924. Serial No. 711,009. 7 Claims. (Cl. 172—179.)

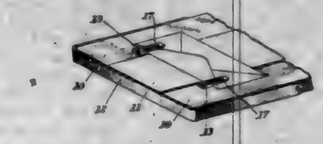
1. In a motor control system, the combination with an electric motor and a current limiting resistance therefor, of switch mechanism for short circuiting the said resistance and connecting the motor to a source

of supply, limit switch mechanism for stopping the motor after a predetermined rotation thereof, and manually actuated means for connecting the motor with



said resistance in circuit therewith to said source to continue rotation thereof beyond the limit determined by said limit switch mechanism.

1,534,751. REGISTER BLOCK. FORD WALLICK, Peru, Ind. Filed June 29, 1922. Serial No. 571,763. 9 Claims. (Cl. 101—145.)

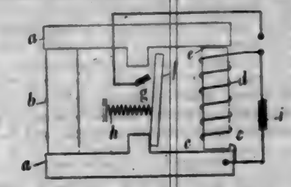


1. The combination with a platen member, of a register block, means for securing the same to the platen, said block having a rigid finger spaced from the platen, and means associated with the finger and platen for holding a sheet after being placed against the block.

1,534,752. PRODUCTION OF GLYCOL ESTERS. PHILIP B. WATSON, Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation, a Corporation of New York. Filed May 21, 1920. Serial No. 383,311. 3 Claims. (Cl. 260—106.)

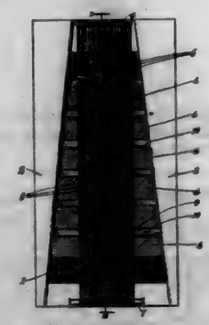
1. The process of making glycol esters which comprises boiling a glycol with a carboxyl acid having a boiling point materially above the boiling point of water under partial reflux conditions, the vapor exit being maintained around 100° C. whereby the water formed in the reaction can escape while the glycol, acid and ester are retained.

1,534,753. ELECTRIC SWITCH OR CIRCUIT BREAKER. ERNEST ANSLEY WATSON, Coventry, England, assignor to The C. L. I. Manufacturing Company Limited, Birmingham, England. Filed July 25, 1922. Serial No. 577,451. 2 Claims. (Cl. 200—93.)



1. In electric switches or circuit breakers, the combination of a permanent magnet, a pair of pole pieces having one pair of ends in conjunction with the magnet, a magnetizable core in conjunction with the other pair of ends of the pole pieces and separated therefrom by air gaps, a winding on said core, an armature arranged to coact with the pole pieces at a position intermediate to the permanent magnet and the core carrying the winding, the armature when pressed into contact with the pole pieces being adapted to close an electric circuit and held by opposing fluxes produced by the permanent magnet and a current flowing in the winding, and means for automatically moving the armature away from the pole pieces and opening the circuit when due to a reversal of current in the winding the flux in the armature is sufficiently diminished, substantially as described.

1,534,754. VEHICLE-LANDING APPARATUS. PLINY K. WESTCOTT, Brooklyn, N. Y., assignor to Mary A. Kenney, Brooklyn, N. Y. Filed Aug. 8, 1923. Serial No. 656,314. 6 Claims. (Cl. 244—2.)



1. A vehicle landing apparatus comprising a runway having a surface adapted to engage a vehicle passing therealong, and a series of slightly spaced parallel guide members supported in position above said runway and extending along the same, said members being adapted to engage downwardly projecting parts on a vehicle to maintain the latter substantially in alignment with the runway.

1,534,755. FASTENER FOR INK RIBBONS. HENRY ABBOTT, East Orange, N. J., assignor to The Calculagraph Company, a Corporation of New Jersey. Filed June 22, 1922. Serial No. 570,276. 2 Claims. (Cl. 242—74.)

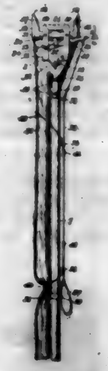


1. A ribbon fastener for spools comprising a body having a shoulder that is adapted to co-operate with a shoulder on a spool by a motion perpendicular to the axis of the spool, means for securing said body to the spool, and means relatively close to said shoulder for securing the ribbon to said body and on the same side of said shoulder as said body.

1,534,756. FRUIT PICKER. JOSIAH S. ANDREWS, Buffalo, N. Y. Filed June 1, 1921. Serial No. 474,118. 5 Claims. (Cl. 56—334.)

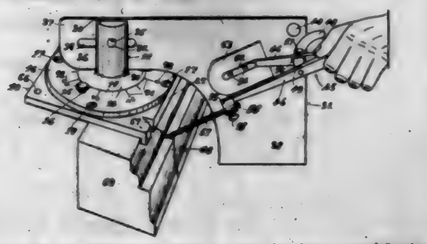
1. A fruit picker comprising a rod, a frame secured to the upper end of said rod and having two frame members spaced apart above said rod, oppositely-curved cutters having arms extending from opposite ends piv-

otally secured at points distant from their extremities to said frame members, an actuating lever pivotally connected to one of said frame members, a link con-



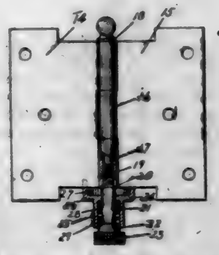
necting one arm of each of said cutters with said actuating lever, and means for actuating said lever from a low point on said rod.

1,534,757. UNIVERSAL SQUARE. LOUIS APRILE, Cincinnati, Ohio. Filed Aug. 5, 1921. Serial No. 490,120. 9 Claims. (Cl. 33—43.)



1. In a universal square, a base having a positioning straight edge provided with clearance openings or notches therein, a guiding blade, means mounting said blade, marking means adapted to be guided by said blade and having a marking point adapted to scribe a line to the edge of the work in said clearance openings or notches, substantially as set forth and for the purposes specified.

1,534,758. CASEMENT-WINDOW ADJUSTER. BERT E. BARTHOLOMEW, Pasadena, Calif., assignor of one-half to Louis Sands, Cleveland, Ohio. Filed Aug. 11, 1923. Serial No. 656,931. 12 Claims. (Cl. 16—144.)



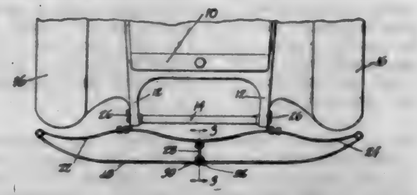
1. A means for locking one of the leaves of a hinge in adjusted position including a resilient fastening member having notches which engage the contiguous edge of the swinging hinge leaf.

1,534,759. PEDESTAL FOR STANDS. ROY L. BEETSLEY, St. Paul, Minn. Filed Oct. 9, 1923. Serial No. 667,481. 1 Claim. (Cl. 45—117.)



In a music stand the combination with suitable spread legs of a tubular column held by said legs, a post slidable within said column and adapted to be held at any desired elevation, means for removably securing said legs to the column adjacent its lower end, said means comprising a plurality of vertically arranged spring leaves, secured to the inner walls of the column, each spring secured with its lower end to the column and its upper end normally inclined inwardly toward the center of the column, an inverted key-hole shaped slot in said inclined part of the spring, said column having a horizontally registering slot, a headed pin in each leg adapted to be inserted in said slot and in the widest part of the slot in the spring and to frictionally engage said slotted part and spring it outwardly when said column is moved downwardly upon the pin, substantially as described.

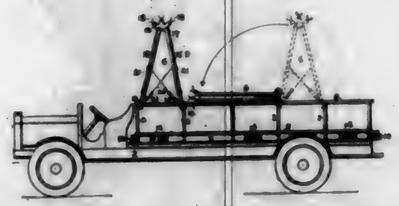
1,534,760. VEHICLE BUMPER. LLOYD BLACKMORE, Highland Park, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Nov. 30, 1923. Serial No. 677,740. 5 Claims. (Cl. 293—55.)



1. A vehicle having a chassis frame and a bumper, the bumper comprising, in combination, a pair of vertically-spaced parallel transverse spring impact bars, a spring supporting bar having its opposite ends arranged between and connected to the corresponding ends of the impact bars, means for attaching the supporting bar to the chassis frame, and a spacing device secured to the center of the supporting bar and extending a substantial distance forward and slidably engaging the impact bars.

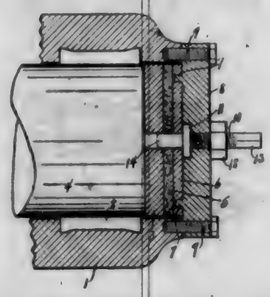
1,534,761. FIRE APPARATUS. JACOB B. BLAW, Atlantic City, N. J. Filed Sept. 23, 1924. Serial No. 739,277. 10 Claims. (Cl. 169—25.)

1. In a fire apparatus, a truck wherein there are provided a plurality of transverse bars, combined with a pair of frames hinged at the top relatively to each other and in connection with a nozzle holding crown, said frames having at each of their lower ends a plurality of clamping means widely separated for making attachments with the transverse bars and whereby they are



hingedly connected so that by unclamping one of the frames the tower may be collapsed and folded down upon the truck, and a plurality of hose nozzle carrying clamps each independently adjustable upon the nozzle holding crown.

1,534,762. ADJUSTABLE END THRUST FOR ELEVATOR SHAFTS. HEYWOOD H. BOSTICK, Fort Worth, Tex., assignor to Globe Elevator Appliance Company, Fort Worth, Tex., a Corporation of Delaware. Filed Apr. 19, 1924. Serial No. 707,615. 3 Claims. (Cl. 308—163.)



1. The combination with an elevator shaft and bearings therefor, of an end thrust for said shaft consisting of a disk provided with a central perforation, a fibre disk provided with a perforation and bearing against said disk, a non-rotatable perforated steel disk bearing against said fibre disk, a perforated cap attached to said bearings, a pressure bolt projected through said cap and disks and provided with a collar rigid therewith to bear against said steel disk, and means for adjusting said bolt for moving said disks to take up wear.

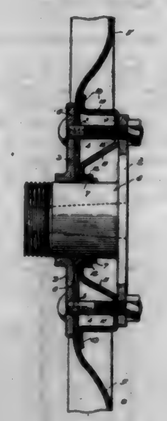
1,534,763. SEAMLESS STOCKING AND METHOD OF MAKING THE SAME. GEORGE P. BOSWORTH, Central Falls, R. I., assignor to Hemphill Company, Central Falls, R. I., a Corporation of Massachusetts. Filed Oct. 14, 1922. Serial No. 594,519. 4 Claims. (Cl. 66—4.)

1. A seamless stocking having a heel formed of fashioned partial courses and also having at the rear thereof a relatively narrow reinforcing stripe extending substantially throughout that portion of the stocking exposed in wear, said stocking also having a tapered gore of extra partial courses of varying length just above the heel and there constituting a tapered high



splice and also constituting a continuation of said reinforcing stripe and of substantially the width of said stripe at the apex of said high splice gore.

1,534,764. DISK-WHEEL HUB CONSTRUCTION. HAROLD J. BRADT, Rochester, Mich. Filed July 27, 1923. Serial No. 654,123. 6 Claims. (Cl. 301—63.)



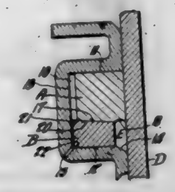
3. In a disk wheel, a hub construction including a hub having a fixed flange, a detachable flange, a disk engaging said detachable flange, a hollow filler member between said disk and said fixed flange, and means extending through said flanges, disk and filler member for holding said elements together, said disk having a pressed out portion engaging in said filler member to correctly position said disk relative to said filler member.

1,534,765. PISTON STRUCTURE. OTTIS R. BRINEY, Pontiac, Mich. Filed Sept. 25, 1922. Serial No. 590,294. 1 Claim. (Cl. 74—109.)



In combination, a piston provided with a groove having side walls, a pair of piston rings in said groove and one side of each ring bearing against one of said walls, a spring acting laterally against said rings, and a retainer over said spring between said rings.

1,534,766. SEALING MEANS FOR PISTONS AND THE LIKE. OTTIS R. BRINEY, Pontiac, Mich. Filed Jan. 15, 1923. Serial No. 612,828. 4 Claims. (Cl. 74—109.)



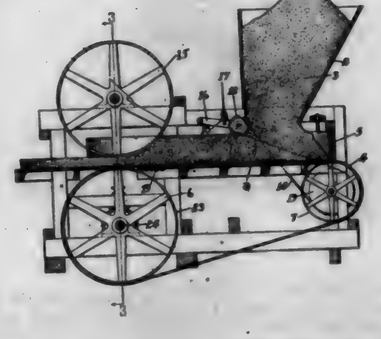
1. A sealing means of the character described comprising, a ring provided with a bevel side face, an annular and radially split filler having a bevel side face bearing against said bevel side face of said ring and provided with inherent radial spring tendency and being smaller in external and internal diameter than said rings to provide a face on said ring overhanging the outside of said filler and a face on said filler overhanging the inside of said ring, and said overhanging faces relieved to prevent seating between said ring and said filler.

1,534,767. SASH WEIGHT. JOAH BROGDEN, Melrose Park, Pa., assignor to David Lupton's Sons Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 12, 1923. Serial No. 680,074. 7 Claims. (Cl. 16—218.)



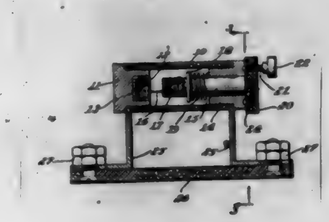
1. In a sash weight the combination of a main weight member, a pair of pulleys, having their axes in a common horizontal plane, accommodated in a lateral slot of said member, and auxiliary interlocking weight members adapted to be superposed upon the main weight member and having registering end notches affording collectively clearances for passage of the sash cord or chain enroute to and from the pulleys.

1,534,768. BRICK MACHINE. DAVIS BROWN, Bucyrus, Ohio. Filed Nov. 22, 1923. Serial No. 676,262. 5 Claims. (Cl. 25—21.)



1. In a brick machine, a plurality of wheels for shaping the sides of a clay column, means for actuating the wheels and belts for feeding the clay to certain of the wheels, one of said wheels having a portion extending within the edges of two of the belts for compressing the clay.

1,534,769. OSCILLATION DETECTOR. ROLAND BROWNLEE, Medford, Mass. Filed Jan. 19, 1924. Serial No. 687,203. 4 Claims. (Cl. 250—31.)



1. An oscillation detector comprising in combination a crystal, a support for the same, a contact member cooperating with said crystal, a support for said contact member, and means automatically breaking the contact between said member and said crystal when the point of contact between said member and said crystal is varied.

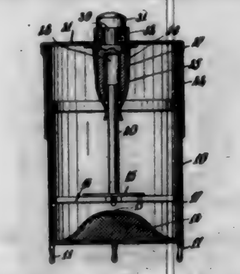
1,534,770. COMPOSITION OF MATERIAL. HARRY C. CLAFLIN and ADELBERT SCHADE, Nitro, W. Va. Filed May 7, 1921. Serial No. 467,543. 5 Claims. (Cl. 75—1.)

1. A bearing metal consisting of lead, magnesium and sodium, the proportion of magnesium being from two to six per cent of the whole and the proportion of sodium being from one to three per cent of the whole.

1,534,771. FLYTRAP. AUGUST CYRKOROS, Coraopolis, Pa. Filed May 17, 1924. Serial No. 713,888. 2 Claims. (Cl. 43—107.)

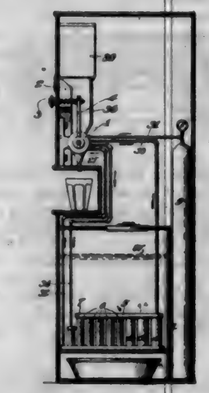
1. A fly trap comprising a receptacle having an opening in its bottom, a cover for said receptacle, a bait

holding element in the form of a spider, a rod fixed to said spider and extending upward therefrom, and means carried by said cover for frictionally gripping said rod,



said means comprising a tubular member depending from the cover and formed on its lower end with resilient inwardly curved tongues.

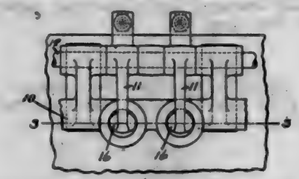
1,534,772. CARBONATOR AND DRAFT ARM FOR SODA WATER. WILLIAM C. DE ARMOND and WILLIAM RAY H. WATT, Philadelphia, Pa. Filed July 25, 1924. Serial No. 728,066. 8 Claims. (Cl. 225—21.)



1. In a device of the character described, an absorption chamber, a volume chamber, a control valve, a gas supply pipe connected to said valve, a gas conveying pipe leading from said valve to said absorption chamber, a passageway interconnecting said absorption chamber with said volume chamber, a check valve interposed between said absorption chamber and volume chamber to permit the passage from the former to the latter only, a gas pressure pipe interconnecting said valve and said volume chamber, and a discharge pipe communicating with said volume chamber of said valve.

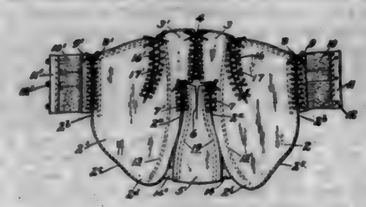
1,534,773. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. WILLIAM B. EARNSHAW, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 3, 1921. Serial No. 449,441. 1 Claim. (Cl. 123—90.)

In valve operating mechanism of the class described and in combination with an engine cylinder having an intake and an exhaust valve in the head thereof and movable parallel with the axis of the cylinder, a supporting member carried by said cylinder and arranged above the head thereof; a plunger carrying bar carried by said supporting member and arranged above said valves, and having bearings arranged in line with the paths of movement of said valves; reciprocating plungers operable in said bearings and the lower ends of which



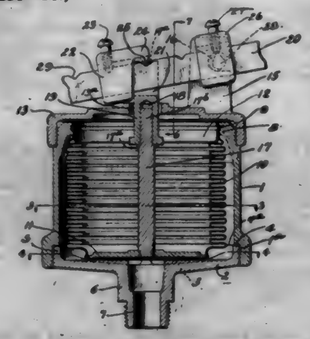
are adapted to engage and depress the valves aforesaid; a rocker arm shaft supported by said supporting member; and oscillating rocker arms supported by said shaft and the ends of which lie over and are adapted to depress said plungers.

1,534,774. ABDOMINAL AND SACROILIAC SUPPORT. SIMON C. EDMISTON, Los Angeles, Calif. Filed Dec. 22, 1922. Serial No. 608,473. 2 Claims. (Cl. 2—25.)



1. An abdominal support comprising two main lateral wings having their upper parts connected by intermediate back panel sections, the panel sections being laced to the main wings and laced together, and the lower parts of the main wings being spaced apart by a lower central web, the upper part of the central web being laced to the contiguous parts of the main wings and the lower part of the central web being connected to the lower parts of the contiguous main wings by elastic straps, elastic straps laced to the outer edges of the upper parts of the main wings, and fasteners for connecting the elastic straps together.

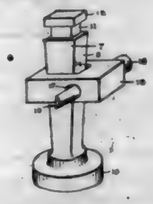
1,534,775. DAMPER REGULATOR. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 4, 1921. Serial No. 442,535. 8 Claims. (Cl. 236—26.)



1. In a regulator, the combination of an operating lever, a pressure operated member subjected to fluctuations in pressure for operating said lever, a stem extending from said pressure member and having bifurcated

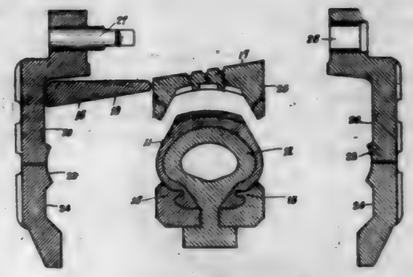
arms at its top and arranged on either side of said lever, a slotted saddle adjustably mounted on said lever and having on its top a longitudinally extending arm located above said lever, a knife edge bearing connection between said arm and bifurcated end of the stem, and a fulcrum support for said lever.

1,534,776. BOLTING-UP PIN. DIRK EISINGA, Seattle, Wash. Filed Aug. 31, 1918. Serial No. 252,147. 6 Claims. (Cl. 85—8.)



3. A bolting-up pin embodying a shank with one face tapering to a head integrally formed at one end of said shank and means upon the opposite end portion of said shank whereby said pin may be gripped, a nut having a vertical hole therethrough whereby said nut is adapted to fit upon the shank of a bolting-up pin, said hole being partially intersected by a horizontal hole extending obliquely across said nut, and a round wedging pin which is adapted to fit said horizontal hole and is provided with a flat face the plane of said face being at an angle to the longitudinal axis of the said wedging pin whereby said nut may be made fast at any point intermediate the length of said shank.

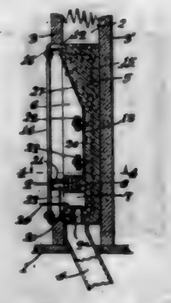
1,534,777. PROCESS OF MOLDING PNEUMATIC CASINGS. ARTHUR A. FRANK, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921. Serial No. 493,515. 36 Claims. (Cl. 18—56.)



36. The process of molding a casing which comprises building the casing upon a core with the aid of core pads, removing said pads, engaging the beads with bead rings, forcing the bead rings in against the core to first tension and then stretch the casing in the direction of the cross-sectional periphery, and then full-molding the sidewall and tread portions by mold sections and sectional tread plates, respectively.

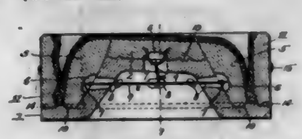
1,534,778. ELECTRIC HEATER. WILLIAM A. GOODMAN, Los Angeles, Calif. Filed Dec. 27, 1923. Serial No. 682,859. 11 Claims. (Cl. 219—34.)

1. An electric heater comprising an upright body of insulating material, a recess formed in the side of said body, a partition formed in said recess adapted to define an air feed recess and a radiating recess, an electric heating element disposed in said radiating recess above



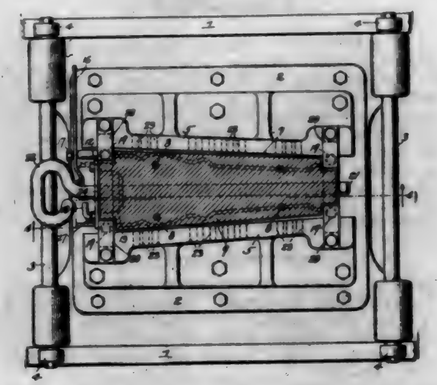
said partition, and passages formed in said partition permitting air to pass through said partition from said air feed recess to said radiating recess.

1,534,779. BATHTUB MOLD. ABEL HANSEN, Metuchen, N. J. Filed Apr. 5, 1924. Serial No. 704,463. 2 Claims. (Cl. 18—42.)



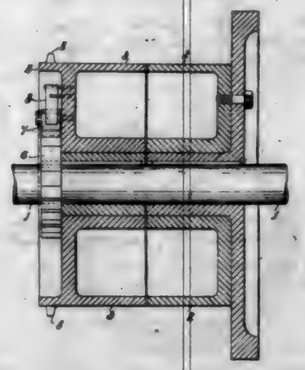
1. A mold for forming clay objects, comprising a core member constituted of a base having openings therethrough, and mold-forming sections applied thereto, with means for securing the sections to the base and to each other.

1,534,780. APPARATUS FOR MAKING PORCELAIN LEGS. ABEL HANSEN, Metuchen, N. J. Filed Apr. 22, 1924. Serial No. 708,180. 6 Claims. (Cl. 25—27.)



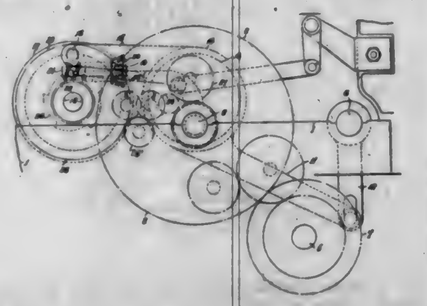
1. In a mold for forming porcelain legs in combination, a lower and an upper half, side guides in which said halves have vertical play, and end plates slidable on the side guides and having central orifices for holding a core rod.

1,534,781. COMBING MACHINE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, Lancaster, England. Filed June 6, 1922. Serial No. 566,433. 1 Claim. (Cl. 74—21.)



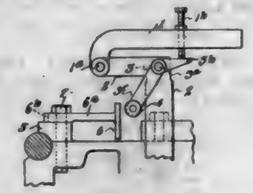
A motion transmitting device, comprising, in combination, a shaft, a pulley fast to said shaft for transmitting motion thereto, a ratchet secured to said shaft for rotation therewith, a pulley loosely mounted on said shaft between said ratchet and fast pulley, said fast and loose pulleys being of the same diameter thereby to permit shifting of a belt from one to the other, said loose pulley having a pawl for engaging said ratchet whereby motion is transmitted by the fast pulley to said loose pulley by means of said shaft and ratchet, and means carried by said loose pulley for transmitting motion therefrom.

1,534,782. MACHINE FOR COMBING COTTON, WOOL, AND THE LIKE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, England. Filed May 5, 1923. Serial No. 636,817. 3 Claims. (Cl. 19—120.)



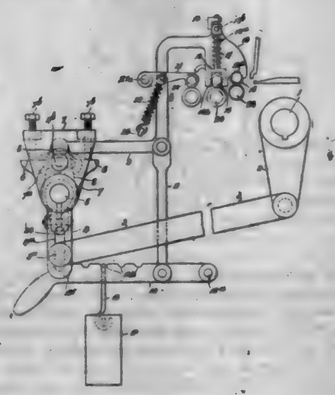
2. In a combing machine having front detaching rollers, the combination of a rotatable shaft disposed in parallelism with said rollers, a disk mounted for rotation on said shaft, means for imparting an oscillatory movement to said disk, cooperating means carried by said disk and shaft for imparting to the shaft an alternate forward and backward rotation in response to the oscillations of the disk, the backward motion of the shaft being through a distance approximately half the distance through which it is moved on the forward motion, and gearing between said shaft and detaching rollers for transmitting the motion of the shaft to said rollers.

1,534,783. COMBING MACHINE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Manchester, Lancaster, England. Filed Feb. 12, 1924. Serial No. 692,444. 8 Claims. (Cl. 19—116.)



1. In a combing machine, the combination of a reciprocable nipper leg, a top comb arm pivotally secured to said leg, means carried by said nipper leg and movable thereon for swinging said comb arm on its pivot, and operating means in a plane parallel to that in which the nipper leg reciprocates for moving said comb-arm-swinging means thereby to lift the arm.

1,534,784. MACHINE FOR COMBING COTTON, WOOL, AND THE LIKE. JAMES HORRIDGE, Bolton, England, assignor to John Hetherington and Sons Limited, Vulcan Works, Ancoats, Manchester, England. Filed Feb. 12, 1924. Serial No. 692,445. 5 Claims. (Cl. 19—121.)



1. In a combing machine having a series of top detaching rollers, the combination of a floating lever exerting pressure on said detaching rollers and adapted to impart an oscillatory movement to said rollers, and means for imparting a floating movement to said lever.

1,534,785. MECHANISM FOR PRODUCING OPEN-WORK ON KNITTING MACHINES. WILBUR L. HOUSEMAN, Wilmington, Del., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del., a Corporation of Delaware. Filed May 1, 1924. Serial No. 710,212. 7 Claims. (Cl. 66—26.)



1. In a knitting machine, the combination with a needle cylinder and a radially movable sinker having at its forward end yarn-engaging elements at different levels, of means to bodily move the forward end of the sinker

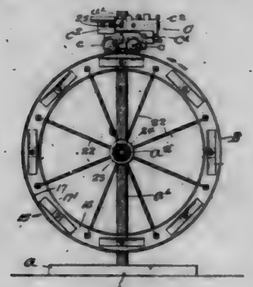
vertically into a relatively high position to cause the higher and lower yarn-engaging elements to successively act upon the yarn to effect the formation of relatively long loops, and into a relatively low position to allow the higher yarn-engaging element to effect the formation of relatively short loops.

1,534,786. SAFETY ATTACHMENT FOR RAZORS. SERRRO JARO, San Antonio, Tex. Filed Nov. 6, 1924. Serial No. 748,041. 4 Claims. (Cl. 30—12.)



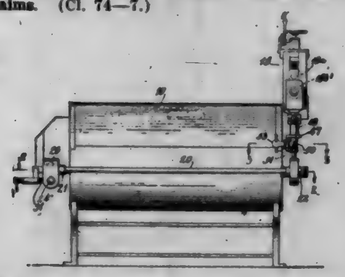
1. A safety attachment for razors, comprising a channeled member adapted to be mounted on the blade of the razor, a guard plate extending across one leg of said member and having an aperture therein, a screw hinged to the rear edge of said guard plate, a nut through which said screw is threaded, said nut being mounted on said member to permit of rotation thereof but prevent axial movement thereof, and means for pressing the front edge of said guard plate against the blade of the razor.

1,534,787. TOY. GUY F. JONTZ, Clinton, Iowa. Filed Jan. 16, 1925. Serial No. 2,743. 10 Claims. (Cl. 104—77.)



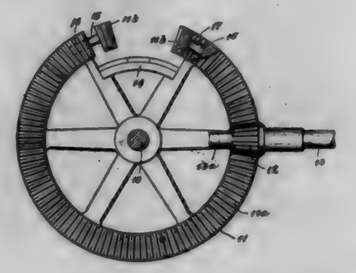
1. In an endless track toy, a track structure comprising two annular track members, each formed with marginal annular flanges that serve as rails for a motor driven vehicle, said track members being spaced apart and set back to back and secured together, whereby the opposite flanges of the two track members form internal and external annular tracks, upon which said vehicle may travel.

1,534,788. WASHING MACHINE. LOUIS JUDELSON, New York, N. Y. Filed Nov. 2, 1922. Serial No. 598,557. 4 Claims. (Cl. 74—7.)



1. In a washing machine having a power wringer attached thereto, a power shaft for transmitting power to said washing machine, a counter shaft for transmitting power to said wringer, a coupling shaft for coupling said first mentioned shafts to each other, a coupling collar adapted to slide over the power shaft and said coupling shaft, and co-operating means on said power and countershafts and said collar for positively connecting said shafts to each other.

1,534,789. GEAR. LOUIS JUDELSON, New York, N. Y. Filed Apr. 24, 1924. Serial No. 708,608. 8 Claims. (Cl. 74—14.)



2. In a rotary reciprocating gearing, a mangle gear rack having a continuous series of teeth on its lateral surfaces adapted to co-operate with a pinion, comprising a body member and replaceable end portions.

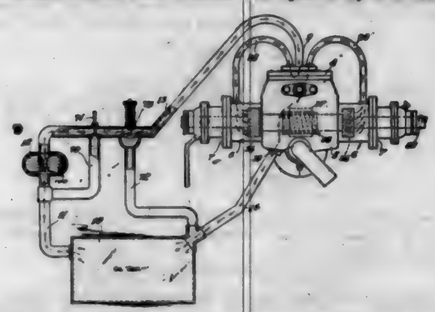
1,534,790. HYDROELECTRIC BARBER CHAIR. WALTER F. KOEHN, St. Louis, Mo. Filed Dec. 24, 1923. Serial No. 682,457. 28 Claims. (Cl. 155—27.)

1. A chair provided with a seat, a back, an hydroelectric means for moving the seat vertically and for moving the back relatively to the seat, a locking device for holding the back in adjusted position, a governing element for controlling said hydro-electric means, and means for rendering said locking device inoperative automatically when said governing element is actuated to effect a change in the position of the back.

1,534,791. HYDRAULIC STEERING GEAR. HANS KUNDIG, New York, N. Y. Filed Nov. 22, 1921. Serial No. 517,000. 14 Claims. (Cl. 60—52.)

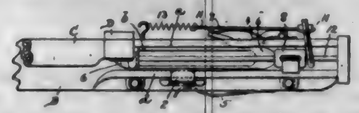
1. In a hydraulic steering gear, means for maintaining a continuous circulation of the fluid medium, means

operable under the influence of the fluid medium to actuate the steering shaft, and means controlling the circulation of said fluid medium and operatively connected



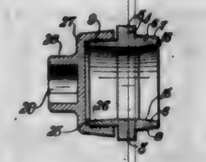
with said actuating means to automatically govern the duration of effective influence of the fluid medium upon the latter.

1,534,792. SHUTTLE-CHECKING MECHANISM FOR LOOMS. JOSHUA ARTHUR BARBER LOMAX, Bolton, WILLIAM TURNER and JOHN TURNER, Chorley, and JAMES BOOTH BENTLEY, Clayton-le-Woods, near Chorley, England. Filed May 2, 1922. Serial No. 557,853. 5 Claims. (Cl. 139—185.)



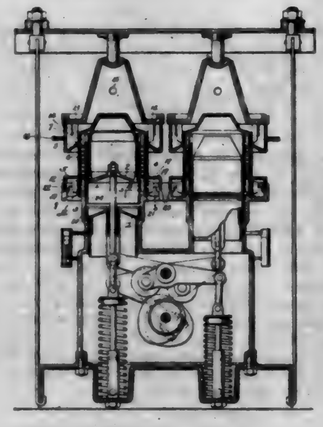
1. In shuttle checking mechanism for looms, a shuttle box, a swell mounted upon the front wall of the shuttle box near the entrance thereto, a spring for acting upon said swell, another swell mounted on the rear wall of the shuttle box, and further from the entrance to the box than said first mentioned swell, and a spring for actuating said rear swell, the portion of said box opposed to said last mentioned swell being substantially stationary to maintain a fixed home for the end of the shuttle approaching the outer end of the box.

1,534,793. WASHOUT PLUG. SAMUEL J. LUPTON, Winnipeg, Manitoba, Canada, assignor to The Bird-Archer Company, a Corporation of New York. Filed Apr. 13, 1921. Serial No. 461,121. 2 Claims. (Cl. 220—39.)



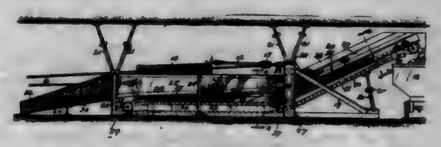
1. A wash-out plug for the casing of a boiler or the like comprising a hollow body member including a portion threaded exteriorly to be seated within a threaded opening of the casing, said portion being provided with a centrally disposed, outwardly flaring opening of substantially smooth contour for receiving and movably supporting a cleaning-out tool, said body member further including an annular portion extending exteriorly of the opening of the casing, the outer face of said annular portion being provided with a threading beginning at a location at a spaced distance from the outer end of said annular portion and extending toward said first-named portion, the outer face of said annular portion from its outer edge to the location of beginning of said threading being substantially smooth, and a closure cap for said annular portion provided with a threading beginning at its outer end and extending on its inner face to a certain location, the remainder of said inner face being substantially smooth.

1,534,794. HEAT EXCHANGER. IVAR LUNDGAARD, Hartford, Conn., assignor to The Automatic Refrigerating Company, Hartford, Conn., a Corporation of New Jersey. Filed Mar. 30, 1922. Serial No. 548,219. 3 Claims. (Cl. 257—261.)



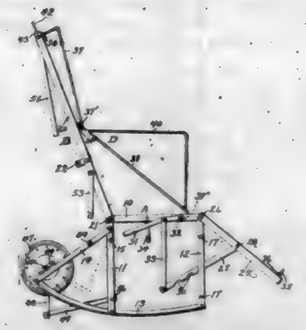
3. A heat exchanger comprising in combination a cylindrical wall enclosing an annular chamber forming a portion of the path for a mediating fluid, a second annular chamber surrounding said first cylindrical wall and adapted to contain a fluid with which heat is exchanged, a series of flanged metallic leaves disposed in contact with each other completely around said first named annular chamber and in heat conductive relation at their edges with the wall separating the two annular chambers and a plurality of metallic leaves in said second annular chamber in heat conductive relation at their edges with said wall.

1,534,795. COAL-BUCKET-DUMPING MACHINE. NORMAN H. MCCLEVEY, Petersburg, Ind. Filed July 26, 1924. Serial No. 728,314. 5 Claims. (Cl. 214—93.)



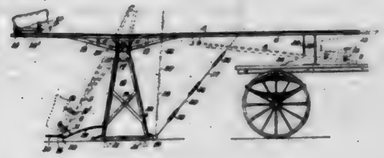
1. In a coal gathering and loading device, a bottomless bucket in which the coal is gathered and transported by sliding the bucket over a surface, a raised floor having a pit over which the bucket is slidingly moved and its contents discharged by gravity into the pit, an inclined surface from the floor of the mine to the raised floor having raised sides that converge toward the raised floor and an endless apron conveyor at the bottom of the pit receiving and transferring the coal and discharging it at its return end.

1,534,796. ADJUSTABLE CHAIR. WILLIAM A. MCCOLLOUGH, Webster City, Iowa. Filed Sept. 10, 1923. Serial No. 661,877. 5 Claims. (Cl. 155—41.)



1. An adjustable and convertible chair, comprising a seat frame, rockers on and extending rearwardly from said seat frame; a back member pivotally connected with said seat frame, means for adjustably holding said back member in inclined relation to said seat frame, a foot support pivotally connected to the forward portion of said seat frame, means for adjustably holding said foot support in inclined relation to said seat frame, wheels pivotally mounted on the rear portion of said seat frame and normally out of contact with the supporting surface, a yoke pivoted on said seat frame adjacent said wheels, the lower end of said yoke adapted for contact with the supporting surface at times, and means to hold said yoke in adjusted position.

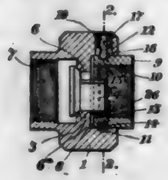
1,534,797. APPARATUS FOR LOADING MERCHANDISE INTO VEHICLES. JOHN MCLEOD, Stawell, Victoria, Australia. Filed Oct. 8, 1923. Serial No. 667,127. 4 Claims. (Cl. 214—41.)



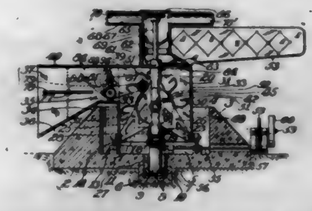
1. A loading apparatus comprising a tower, a cantilever track frame pivotally supported at an intermediate point on said tower to form a relatively short loading end and a relatively long delivery end, a trolley mounted on said track frame and adapted to travel to and fro thereon by gravitation, means for lowering the long end of said track frame, whereby said trolley with its load is initially levered upwardly to a point higher than the waggon being loaded, and then travels by gravitation from the loading end to the delivery end of said track frame, a latch on said tower to engage the loading end of the pivoted track frame, when lowered, and means to automatically release said latch by the weight of the load deposited on the trolley.

1,534,798. COUPLING FOR PNEUMATIC HOSE PIPES. WILLIAM MCMILLAN, Belfast, Ireland. Filed June 10, 1924. Serial No. 719,049. 12 Claims. (Cl. 284—18.)

1. A coupling for air pipes comprising, in combination, a body, a member fitted therein, a flexible member disposed between said body and member fitted therein, for permitting relative turnable movement thereof while preventing relative axial movement, and means for securing the ends of said flexible member against relative movement and for permitting said flexible member to be removed from between the body and member fitted therein.



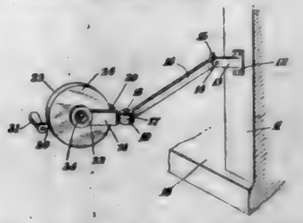
1,534,799. WIND-POWER ENGINE. HIRAM MAINE, Indianapolis, Ind. Filed Oct. 24, 1923. Serial No. 670,420. 19 Claims. (Cl. 170—15.)



4. A wind-power engine having a casing provided with a main air-inlet and a supplemental air-inlet, and a plurality of conduits leading to the supplemental air-inlet and provided with large mouth-pieces that are swiveled on the inlet ends of the conduits respectively, each mouth-piece having a tail vane thereon, a tail vane fixed to the casing, and a wind-wheel rotatable in the casing opposite to the air inlets.

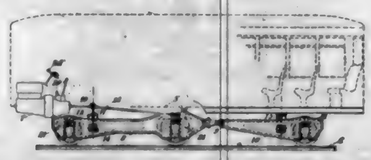
6. A wind-power engine including a massive base having a pit therein and a conical external face, a frame rotatably supported in the pit with a vertical axis of rotation and having a casing thereon extending upward beyond the top of the pit, the upper portion of the casing having an inlet mouth structure on its front above the top of the pit, the structure extending out beyond the base, a tail vane fixed to the back portion of the frame and the casing, and two wind-wheels having a single axial shaft rotatably supported horizontally by the frame on a plane approximately at the top of the base.

1,534,800. CLOTHESLINE PULLEY. WLADYSLAW MALUSZ, Harrison, N. J. Filed Mar. 11, 1924. Serial No. 698,425. 1 Claim. (Cl. 68—3.)



A line pulley comprising an adjustably mounted clevis, a spindle rotatable therein, said spindle having a lateral slot in one end, manual means for rotating said spindle, a pulley mounted on the spindle between the arms of said clevis, one of said arms having an internal annular recess, a spring loosely disposed in the recess, the ends of said spring being bent to extend into the said slot, and a stud fixed in the side of said pulley, the head of said stud extending into the said slot between and spaced from the spring ends.

1,534,801. RAIL-CAR MOTIVE MEANS. JULIAN MAERBAU, Elmhurst, N. Y. Filed Mar. 6, 1923. Serial No. 623,113. 7 Claims. (Cl. 115—62.)



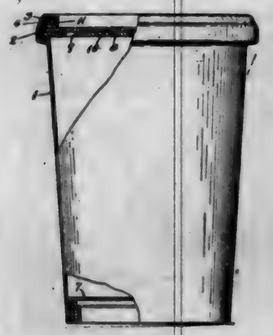
1. In a rail car, a truck having a pivotal connection with the body of the car, a motor mounted in the body of the car and having a transmission shaft extending longitudinally of the car for driving engagement with an axle journaled in the truck, and a universal joint in the transmission shaft mounted above and in alinement with the axis of said pivotal connection.

1,534,802. LOWER ARTIFICIAL DENTURE. FRED EWART MILNER, Blackpool, England. Filed Oct. 2, 1923. Serial No. 666,067. 4 Claims. (Cl. 32—4.)



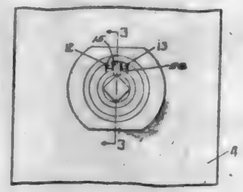
1. A lower artificial denture, comprising an artificial gum, and a wire frame secured therein, said wire frame co-operating with the muscles and tissues of the tongue to retain the denture in the mouth.

1,534,803. PAPER CONTAINER. ARLINGTON MOORE, Boston, Mass. Filed Mar. 23, 1921. Serial No. 454,770. 4 Claims. (Cl. 229—7.)



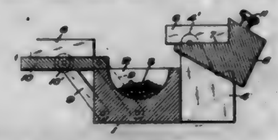
4. A receptacle comprising a round body having an internal groove near one end thereof, and two end members having their peripheral edges held in said groove, one of said members being rotatable in the groove, the configuration of said members being such that rotation of the rotatable member opens and closes the receptacle.

1,534,804. CLUTCH DEVICE. HUBERT A. MYERS, Toledo, Ohio, assignor to The W. G. Nagel Electric Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 1, 1923. Serial No. 672,044. 1 Claim. (Cl. 192—16.)



In a clutch device, a pair of members, one contained within the other, and one rotatable relative to the other, a spring located between the members for normally frictionally engaging one of the members, one of the members having a recess, and the spring having its ends located in the recess for positively engaging the said last named member, a third member located within the inner of said members and having a flange part located in said recess for engaging the ends of the springs and through either end of the spring engaging the member having the recess for releasing the frictional engagement through the spring and rotating the last named memebr in either direction.

1,534,805. CHINESE TILE GAME DEVICE. FRANK L. ORDWAY, Salem, Mass., assignor to Parker Bros., Inc., Salem, Mass., a Corporation of Maine. Filed Feb. 5, 1924. Serial No. 690,733. 4 Claims. (Cl. 273—150.)



3. A device for use with Chinese tile games comprising, in combination, a container for counters, a playing rack for holding tiles pivoted upon extended sides of said container, a cover for said container and connections providing for movement of said cover in a generally horizontal plane relative to said container.

1,534,806. PROCESS OF CARBONATING A LIQUID. HENRY C. PARKER, Chicago, Ill. Filed Dec. 28, 1922. Serial No. 609,509. 8 Claims. (Cl. 99—11.)

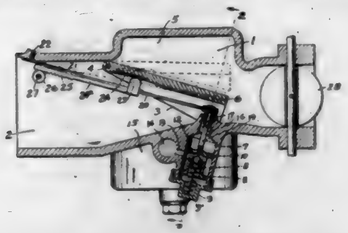
1. The process of carbonating a beverage wherein there is added to the beverage an acid carbonate and a polybasic acid in such particular proportion as to produce a hydrogen ion concentration substantially identical with that of the original liquid.

1,534,807. CIGARETTE ROLLER AND MAKER. SAMUEL R. PRUYN, Chicago, Ill. Filed June 12, 1923. Serial No. 644,972. 5 Claims. (Cl. 131—5.)



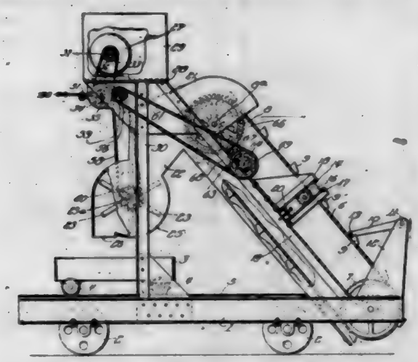
1. A device for making cigarettes, comprising means on which to roll paper into cigarette shape, and tubular means for receiving and holding said rolled paper for conveniently filling the same, said tubular means being arranged for conveniently moistening and fastening down the outer edge of said paper while in said tubular means.

1,534,808. CARBURETOR. HAROLD G. RENNER, Detroit, Mich. Filed Mar. 18, 1922. Serial No. 544,768. 5 Claims. (Cl. 261—41.)



1. A carburetor comprising a mixing chamber, a valve controlling a primary fuel supply to said chamber, said valve having a passage for a secondary fuel supply, a secondary valve normally seating upon the primary control valve to close said passage, means urging said secondary valve to its seat, tending to maintain said passage closed during the opening movement of the primary valve, and means retarding the movement of the secondary valve in the direction of opening of the primary valve.

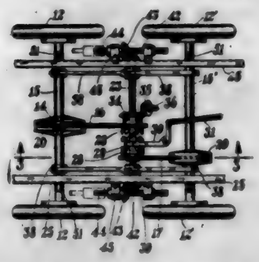
1,534,809. IMPACT MOLDING MACHINE. ELMER A. RICH, Jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y., a Corporation of Ohio. Filed Mar. 5, 1920. Serial No. 363,432. 6 Claims. (Cl. 22—36.)



1. A machine of the class specified comprising a traveling elevator, a chute at the top of the same extending downwardly from the upper end of said elevator, a centrifugal fan located at the lower end of the chute, and a motor having power transmitting connection with said elevator and fan for driving the same, said power transmitting connection comprising a sprocket drive running to the fan, and speed changing gears between said sprocket drive and said motor.

1,534,810. EIGHT-WHEEL VEHICLE. LIBORIO E. RIVAS, Santa Rita, N. Mex. Filed Oct. 17, 1923. Serial No. 669,025. 1 Claim. (Cl. 180—22.)

An automobile provided with two pairs of rear wheels, drive means for selectively driving either pair of wheels, said drive means including a transverse shaft, a contractible element adapted to be detachably connected at opposite ends with the wheels and the automobile frame, and means whereby said element may be contracted by rotation of said shaft, said contractible element comprising a head formed with a transverse aperture, a screw swiveled in said head and depending therefrom, a split collar having a threaded socket in which said screw engages, a worm gear fixed on said screw, a worm pinion



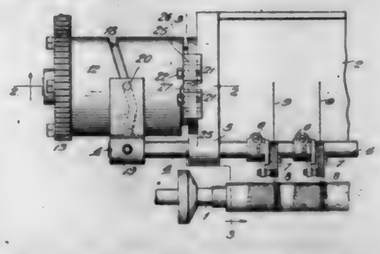
meshing with said worm gear, a stub shaft on which said worm pinion is fixed, and a coupler member on said stub shaft.

1,534,811. ADDING MACHINE. LOUIS ROTHMAN, Brooklyn, N. Y. Filed Mar. 9, 1923. Serial No. 623,976. 2 Claims. (Cl. 235—60.)



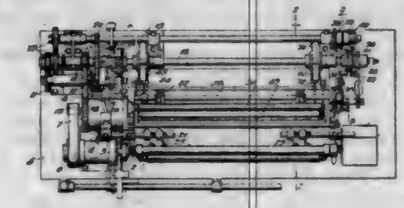
2. In an adding machine, a casing, a row of keys, a number-carrying wheel, and an operating device for said wheel, said operating device comprising a movable member associated with the row of keys and adapted to have its movement limited by selective individual engagement with the inner ends of the keys when the said keys are depressed, said movable member being normally out of engagement with the said wheel, and means whereby said movable member is moved into engagement with the said wheel by depression of any one of said keys, said means comprising a plate slidable in the casing, and hooked latches pivoted on the inner ends of the said keys and adapted to be engaged by said plate.

1,534,812. WINDING MACHINE. ARCHIBALD D. SCOTT, deceased, late of Jersey City, N. J., by Mary V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Oct. 3, 1923. Serial No. 666,269. 10 Claims. (Cl. 242—26.)



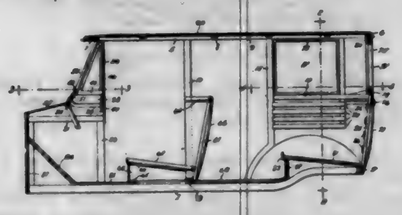
1. In a machine for winding strand material, the combination of a winding spindle, a strand guide having a movement with respect to the spindle to form superposed layers of winding upon the spindle and means for equally and momentarily altering the normal rapidity of said movement at each reversal in direction thereof.

1,534,813. WINDING MACHINE. ARCHIBALD D. SCOTT, deceased, late of Jersey City, N. J., by Mary V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company, a Corporation of New Jersey. Filed Oct. 3, 1923. Serial No. 666,270. 15 Claims. (Cl. 242—10.)



1. In a machine for winding strand and sheet material, a winding spindle, means for continuously winding thereon a windable body, means for measuring and feeding lengths of said sheet material, means for severing the measured lengths, transfer means for receiving the severed lengths of material and then inserting the same between the layers of the wound body on said spindle during their formation, and means normally out of the path of the severing means and operable at the beginning of each measuring operation for positively guiding the sheet material from the measuring means to the transfer means.

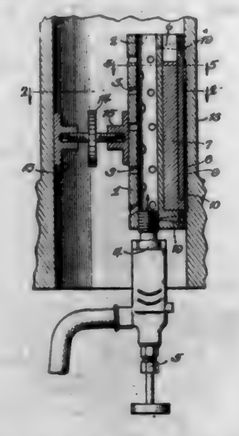
1,534,814. VEHICLE-BODY CONSTRUCTION. WILLIAM J. SEELINGER, Cleveland, Ohio, assignor to The Ohio Body & Blower Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 2, 1921. Serial No. 474,423. 9 Claims. (Cl. 296—28.)



1. In a vehicle body construction, the combination of a frame comprising a base, a top, door posts connecting the base and top, horizontal frame members, extending rearwardly from the door posts and across the back, vertical frame members depending from the top and crossing the horizontal frame members and extending to a point adjacent the base, said vertical and horizontal frame members cooperating with the door posts and top to produce window openings, strips extending between and connected to the door posts and the lower portions of the vertical frame members to provide a base for upholstery; and an integral shell applied to the frame and extending from base to top, across the back and along each side and having its front edges connected to the door posts, said shell having window openings registering with those of the frame.

1,534,815. ENGINE CYLINDER REPAIR METHOD AND APPARATUS. GEORGE P. SETTER, Chicago, Ill., assignor of one-half to Alfred Ott, Chicago, Ill. Filed Dec. 15, 1922. Serial No. 607,087. 13 Claims. (Cl. 22—206.)

1. The method of filling grooves or cavities in the inner surface of an internal combustion engine cylinder, comprising the maintaining of the cylinder in vertically disposed position, the melting of the metal and the flowing thereof to the lower end of the groove in



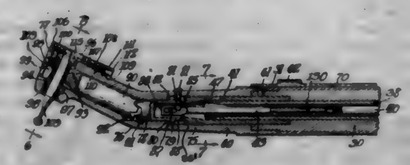
the cylinder, causing the molten metal to rise in said groove, under confinement therein, and allowing the metal to cool to form a permanent filling for said groove.

1,534,816. DENTAL TOOL HOLDER. WILLIAM L. THIEDEMANN, Muskegon, Mich., assignor to Thiedemann-Hardy Company, Muskegon, Mich., a Copartnership comprising William L. Thiedemann and Hazlett M. Hardy. Filed Dec. 15, 1921. Serial No. 522,486. 8 Claims. (Cl. 32—11.)



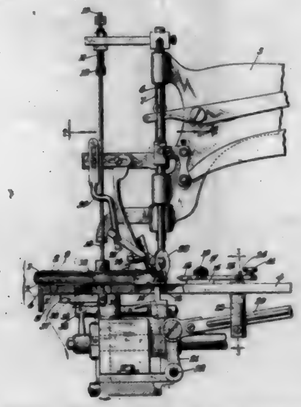
1. In a dental handpiece, a tool holder provided with a socket to receive a tool, and means for locking said tool within said socket comprising a latch plate provided with an open ended slot to admit and interlock with said tool, and fasteners on said holder adapted to engage said plate on opposite sides of said slot when said plate is in locked position.

1,534,817. DENTAL TOOL. WILLIAM L. THIEDEMANN and HAZLETT M. HARDY, Muskegon, Mich., assignors to Thiedemann-Hardy Company, Muskegon, Mich., a Copartnership comprising William L. Thiedemann and Hazlett M. Hardy. Filed May 7, 1923. Serial No. 637,899. 35 Claims. (Cl. 32—11.)



1. In a dental operating piece, the combination with a sheath, of a tool holder slidable over the outer end of said sheath and adapted to be connected thereto by a bayonet joint formed on said holder and said sheath.

1,534,818. SEWING MACHINE. JOSEPH B. VALENTINE, Whitestone, N. Y., assignor to Valmont Manufacturing Co., Inc., a Corporation of New York. Filed Aug. 14, 1923. Serial No. 657,292. 5 Claims. (Cl. 12—2.)



1. A sewing machine having a table thereon, mechanism for stitching together adjacent pieces of piled fabric, a looper actuating member, a pile displacing member movably mounted adjacent said stitching mechanism and means for connecting said pile displacing member to said actuating member to drive the pile displacing member therefrom.

1,534,819. PROCESS FOR OBTAINING VANADIUM COMPOUNDS OR VANADIUM FROM PIG IRON CONTAINING VANADIUM. RUTGER HENRIK VON SETH, Stockholm, Sweden. Filed Jan. 25, 1924. Serial No. 688,608. 3 Claims. (Cl. 75—45.)

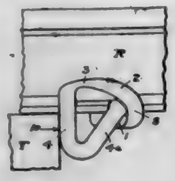
1. In a process for fining pig iron, rich in vanadium, the method of obtaining a slag rich in vanadium which comprises interrupting the fining of the pig iron at a moment before the iron is decarburized and when the vanadium has substantially passed into the slag, separating the slag from the iron and afterwards completely fining the iron, whereby there is obtained a high vanadium slag which may be used for the production of vanadium or vanadium compounds.

1,534,820. UMBRELLA. JOSEPH WALMSLEY, St. Louis, Mo. Filed Apr. 28, 1921. Serial No. 465,099. 1 Claim. (Cl. 135—46.)



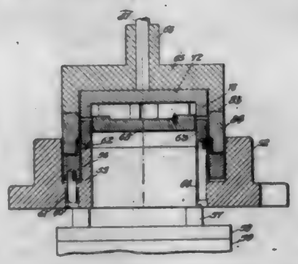
In an umbrella rod structure, an upper rod section, a handle rod section, an intermediate section, a hinge joint connecting one end of the intermediate section with the upper section, a hinge joint connecting the other end of said intermediate section with the lower handle section, each of said hinge joints consisting of a joint member fixed to both the upper and lower sections, said joint members each being provided with a stop flange and a narrow tongue having a curved outer end provided with a plurality of peripheral sockets, a joint member fixed to each end of the intermediate section, said joint members each being provided with a stop flange and a bifurcated head having a curved outer end, a pin for hingedly uniting each pair of joint members, a pair of opposed oppositely directed slidable members disposed within the intermediate section, a pin fixed to and passing through the intermediate section midway its ends, a coiled spring disposed between said pin and each slidable member, a pin and slot connection to manipulate said slidable members, a locking tongue extending from each slidable member and said locking tongues passing through openings in the joint members of the intermediate section and their outer ends receivable in the peripheral sockets of the joint members of the upper and lower sections.

1,534,821. ANTICREEPER FOR RAILWAY RAILS. WILLIAM S. WESTON, Dallas, Tex. Filed Jan. 31, 1924. Serial No. 689,603. 13 Claims. (Cl. 238—330.)



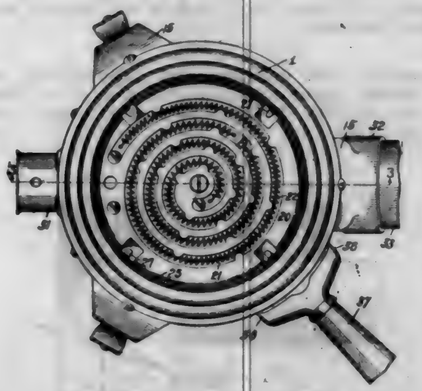
1. A spring-clamp anti-creeper for railway rails hav having forward and rear seats for engaging one of the rail base flanges and an intermediate seat for engaging the other rail base flange, said forward seat being a jaw seat and the connections between said seats requiring, on installation upon the rail base, increase in the distance between the intermediate and jaw seats and the rotary movement of the jaw seat with respect to the other two seats in a transverse vertical plane and in a direction tending to decrease the distance between the jaw and intermediate seats.

1,534,822. DIES. JOSEPH WILLIAM WINTER, Penfield, Pa. Filed Feb. 27, 1922. Serial No. 539,683. 12 Claims. (Cl. 113—49.)



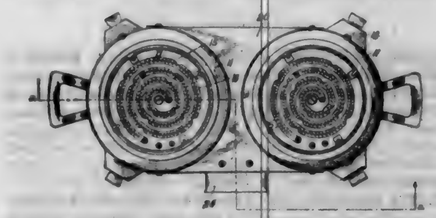
1. In die mechanism, the combination with axially opposed annular members (examplified at 56 and 84) arranged for relative telescopic movement and for axial movement together, and arranged to coaxially clamp between them the cylindrical perimeter of a cup shaped body having two cylindrical zones of different diameters and a central plane circular web transverse to the axis of said zones; of an annular female shear die member adapted to fit within the smaller of said zones and supoprt the margin of said web, and having on internal shear edge; a punch holder, in coaxial relation with said clamping members and rigidly connected with one of them; a knockout plate arranged for relative reciprocation in that holder, having an annular rim opposed to the margin of said web and to said female shear member supporting said margin; means arranged to relatively reciprocate said knockout plate in said holder, including an axial knockout stud; a male shear plate, in coaxial relation with said female shear member, and having an external shear edge, adapted to cooperate with said female shear member; whereby a circular piece is stamped from the center of said web, leaving an annular portion of said web extending inwardly from said zones, transversely to the axis of said body; and means arranged to relatively axially move said two opposed annular clamping members, with said tubular body and relatively to said annular female shear member; whereby the marginal portion of said web is drawn over said female shear member and expanded outwardly, to cylindrical form, in continuation of said smaller cylindrical zone.

1,534,823. ELECTRIC TABLE STOVE. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartsbaugh Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 23, 1924. Serial No. 708,342. 14 Claims. (Cl. 219—37.)



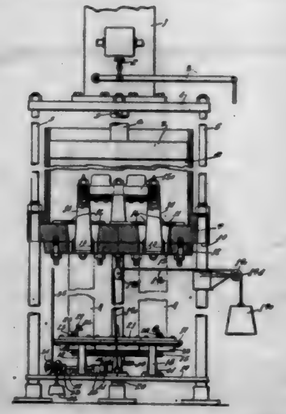
1. In an appliance of the class described, a rim member, depending legs on the inner side of said member, a support for said legs, means for detachably securing the legs to said support, and means extending thru said support for removably connecting a heating unit thereto.

1,534,824. ELECTRIC TABLE STOVE. HENRY A. ZIOLA, Toledo, Ohio, assignor to The Swartsbaugh Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 23, 1924. Serial No. 708,343. 12 Claims. (Cl. 219—37.)



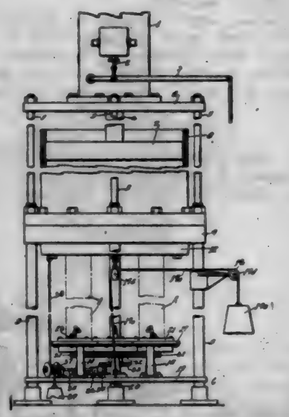
1. In a device of the class described, a bottom plate, a pair of transversely spaced heating units, means for spacing said units vertically from said plate, and a reinforcing element extending longitudinally across the upper surface of the bottom plate.

1,534,825. CONDUIT-MAKING MACHINE. JOHN J. ALLISON, Smethport, Pa. Filed Mar. 31, 1923. Serial No. 629,064. 17 Claims. (Cl. 25—17.)



1. In a conduit making machine, the combination of a mud chamber; a die through which the material is extruded in tubular form; a yielding platform receiving the formed material as extruded; and means trimming the end of the formed tube resting on the platform.

1,534,826. CONDUIT-MAKING MACHINE. JOHN J. ALLISON, Smethport, Pa. Filed Mar. 31, 1923. Serial No. 629,065. 5 Claims. (Cl. 25—17.)



1. In a conduit making machine, the combination of a mud chamber; dies with die passages leading therefrom; an adjusting plate for the die passages said plates being arranged within the passages and varying the opening of the passages; and means for operating from without the chamber adjusting the plate.

1,534,827. SHOE-CLEANING-STICK CONTAINER, APPLICATOR, AND DISTRIBUTOR. ANTHONY L. ACITO, Brooklyn, N. Y. Filed Mar. 21, 1924. Serial No. 700,768. 3 Claims. (Cl. 15—108.)

2. A shoe cleaning stick container and applicator comprising an opended cylindrical container, an inwardly extending flange formed on one end of the container, an interior projection formed on the container wall adja-

cent an end thereof, a compact stick slidable in said container, the compact stick having a groove cooperating with the projection to prevent rotation of the stick,



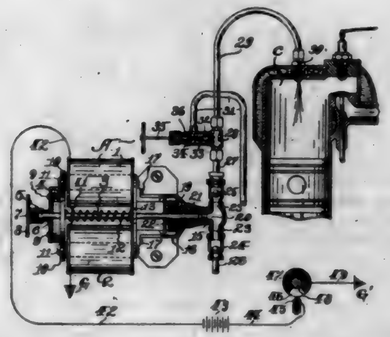
a cap carried by the stick and having a similar groove formed out of alignment with the groove on the stick, and an applicator member adapted to close either end of the container.

1,534,828. BRIQUETTE OF PHOSPHATE-ROCK MATERIAL AND METHOD OF MAKING THE SAME. JAMES A. BARR, Mount Pleasant, Tenn., assignor to The International Agricultural Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 18, 1924. Serial No. 700,189. 7 Claims. (Cl. 23—105.)

1. A briquette of phospate rock material, the particles of which are held together by acid calcium phospate formed in situ and containing an excess P_2O_5 content over the original material.

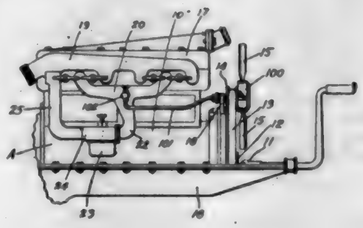
7. The method which consists in mixing phosphate rock material with crude phosphoric acid of phosphate rock-sulphuric acid manufacture, briquetting the mixture before the reaction of said acid upon the material is completed, and drying the briquettes so formed.

1,534,829. ELECTRICALLY-OPERATED FUEL INJECTOR. ALBERT R. BEHNKE, St. Paul, Minn. Filed Apr. 9, 1919. Serial No. 288,871. 9 Claims. (Cl. 103—53.)



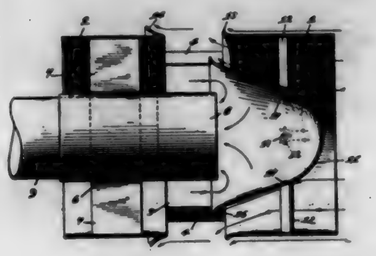
1. An injector, comprising, an electro-magnet, an armature adapted to be reciprocated by said magnet, pump means connected to said armature and resilient means for adjusting said pump means to vary the pumping capacity of said injector.

1,534,830. AUTOMATIC FAN VALVE. ALBERT R. BEHNKE, St. Paul, Minn. Filed Nov. 25, 1922. Serial No. 603,375. 10 Claims. (Cl. 123—124.)



1. In combination with a fan pulley of a motor vehicle, a casing attached to one of the flanges thereof, fan plates secured to the casing, a valve mechanism within the casing and a governor for operating said valve mechanism.

1,534,831. AIR CLEANER FOR CARBURETOR INTAKES. CHARLES T. BERG, San Jose, Calif. Filed Dec. 17, 1924. Serial No. 756,601. 12 Claims. (Cl. 183—110.)



1. A cleaning device for carburetor air intakes comprising a shell mounted in connection with the air intake and adapted to be mounted within the path of an air current set up by the fan of an internal combustion motor, said shell consisting of a pair of annular rings secured in axial alignment in slightly spaced relation; and a deflector mounted within the shell to divert the air current away from the carburetor intake through the space between the rings whereby solid particles carried by the air will be swept outwardly from the shell and away from the intake.

1,534,832. PROCESS FOR PRODUCING A REMEDY FOR SYPHILIS. SALO BERGEL, Berlin-Wilmersdorf, Germany, assignor of two-thirds to Chemische Fabrik Grünau Landshoff & Meyer, Aktiengesellschaft, Grunau, near Berlin, Germany, and C. A. F. Kahlbaum, Chemische Fabrik, Gesellschaft mit beschränkter Haftung, Aldershof, near Berlin, Germany. Filed Apr. 1, 1922. Serial No. 548,856. 2 Claims. (Cl. 167—7.

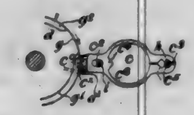
1. The herein described process for producing a remedy for syphilis which consists in repeatedly injecting lipoids into parts of the body most capable of resistance of an animal susceptible to syphilis, then repeatedly injecting at certain intervals into said parts of the animal's body spirochaetes containing syphilitic material and suspended in lecithin, and at the same time repeatedly injecting agents capable of dissolving spirochaetes and embraced in the group containing gall, sodium taurocholate, saponin-containing substances and sarsaparilla, the concentration and quantities of the doses of the spirochaetes being gradually increased and of the dissolving agents being gradually decreased, then collecting (a) the exudants of said parts of the animal's body caused by inflammation, (b) extracts from the lymphatic glands, the spleen and the omentum and (c) the blood serum, and finally separating the lecithin from this collected liquid by filtration.

1,534,833. LIQUID AND AIR SEPARATOR. HARRY D. BINKS, Oak Park, Ill., assignor to Binks Spray Equipment Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 10, 1924. Serial No. 748,875. 17 Claims. (Cl. 183—102).



1. A liquid and gas separator comprising means for projecting the mixture of liquid and gas in a hollow conical spray, and liquid catching means including a baffle member of a substantially conical formation coaxial with the said spray and disposed in the path of the spray, the said member having a gas outlet axial thereof.

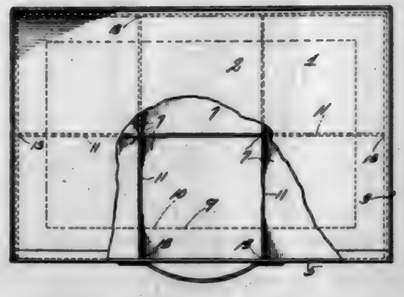
1,534,834. CALCULATING MACHINE. CHARLES FELICIEN BLACHER, Barnet, England, assignor to Guy's Calculating Machines Limited, London, England. Filed May 24, 1924. Serial No. 715,500. 7 Claims. (Cl. 235—138.)



1. In a calculating machine of the pin wheel and cam disc type, a longitudinally movable transfer slider which is provided integrally with means for locking and localising said movable slider in either of its extreme positions.

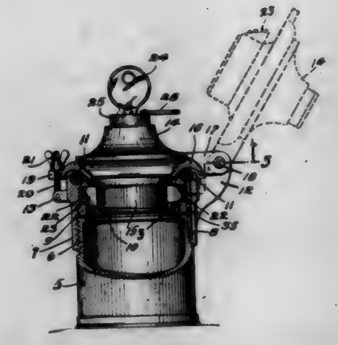
1,534,835. BREAD RAISER. LENA BOSIE, Highgate Springs, Vt. Filed Feb. 14, 1922. Serial No. 536,574. 1 Claim. (Cl. 126—281.)

A combined dough kneading board and dough raising device comprising a relatively flat rectangular shaped casing, a horizontally disposed flange carried by the lower side of the casing and forming the bottom thereof and an enlarged opening in the bottom, said casing having its inner side open, a hot water receiving pan disposed within the casing and removable through the open side of the casing, said pan being provided with a plurality of partitions, thereby forming a plurality of water



receiving chambers, and an upwardly extending U-shaped flange carried by the casing and extending upwardly from the ends and front side of the casing.

1,534,836. KEY-LOCKED CAP FOR TANKS. MARTIN H. BREDE, Minneapolis, Minn., and OLIVE L. LONGFRE, Vale, S. Dak. Filed Nov. 15, 1922. Serial No. 601,050. 4 Claims. (Cl. 220—32.)

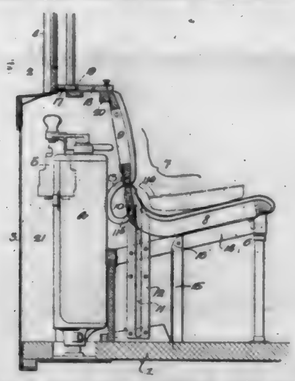


1. The combination with a filler tube or neck having a lock ledge, of a displaceable cap for said tube, a yielding gasket interposed between said tube and cap, clamping means for drawing said cap down upon said gasket and compressing the same, and a lock independent of said clamping means, mounted in said cap and including a lock bolt arranged to be projected under the lock ledge when the cap is drawn down by the clamping means and the gasket compressed.

1,534,837. CAR SEAT. JAMES A. BROOKS, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1924. Serial No. 709,174. 8 Claims. (Cl. 105—342.)

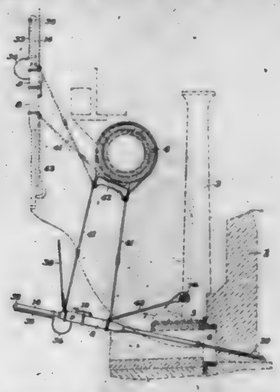
8. The combination in a car having a closed back and a compartment at the back; a controller in the compartment; a movable seat structure in front of the controller and forming an enclosure for the compartment, said seat structure having a cushion section and a

back section mounted on the same pivots; and guides for the pivots of the seat structure, said guides having sockets at their upper end to retain the sections of the



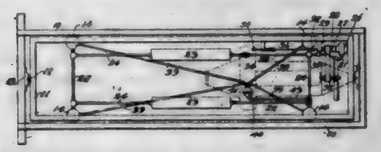
seat structure in their normal position, said seat structure being bodily removable from the guides to entirely expose the controller.

1,534,838. BLAST-FURNACE TAPPING APPARATUS. EDGAR E. BROSIUS, Pittsburgh, Pa. Filed Jan. 3, 1921. Serial No. 434,522. 9 Claims. (Cl. 266—42.)



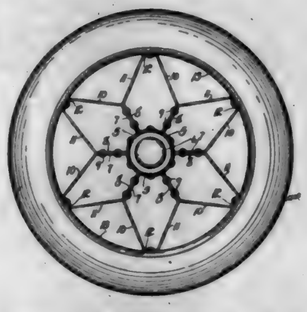
1. Blast furnace tapping apparatus comprising a rotatable drill, and suspension means therefor comprising a plurality of links pivotally connected at each end and arranged to permit the drill to be swung into substantially horizontal tapping position or into substantially vertical inoperative position, substantially as described.

1,534,839. FLUID-PRESSURE CUSHIONING MECHANISM FOR VEHICLES. JAMES MADISON BURNAP, Denver, Colo. Filed July 11, 1923. Serial No. 650,910. 8 Claims. (Cl. 280—104.)



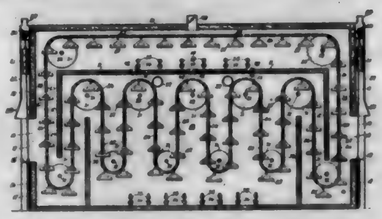
1. In a cushioning mechanism, a wheel support, a body support, a plurality of cylinders carried by one support, a plurality of plungers carried by the other support and disposed in said cylinders, a fluid pressure supply, pipe lines leading therefrom to the lower portion of the respective cylinders, manually controlled means for releasing pressure from said lines, independent pipe lines connected to the upper portion of said cylinders, and a unitary means for simultaneously controlling the pressure of said independent lines.

1,534,840. VEHICLE WHEEL. ROMEO O. COULOMBE, New Haven, Conn. Filed May 10, 1924. Serial No. 712,259. 2 Claims. (Cl. 152—28.)



2. A vehicle wheel comprising a hub, a series of metal spokes, each spoke comprising a hub-section riveted to the hub, radial sections extending outward from the hub-section and riveted to the adjacent radial sections, tangential sections extending outward from the radial sections and inclined toward each other and connected together by a rim-section, and a rim riveted to said rim-sections.

1,534,841. BAKER'S OVEN. EMERICK B. CRAWFORD, New Haven, Conn., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn., a Corporation. Filed Mar. 16, 1922. Serial No. 544,158. 3 Claims. (Cl. 107—57.)

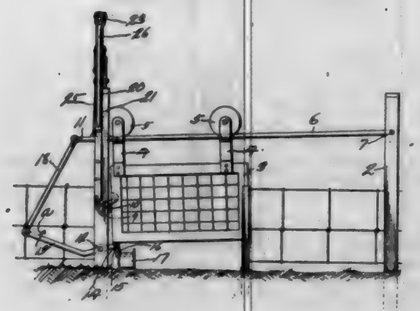


1. A baker's oven having a loading-and-unloading opening located substantially above its floor, a vertically-movable door for the said opening, provided at its upper end with a shelf, and means for raising and lowering the said door, so as to increase or decrease the area of the said opening and for holding it in any of its vertical adjustments.

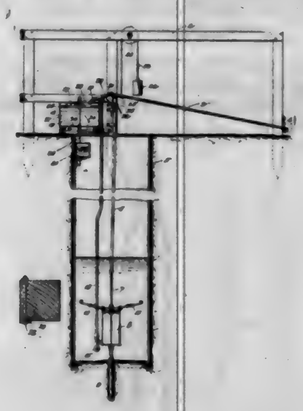
2. A baker's oven, having a loading-and-unloading opening located substantially above its floor, a vertically-movable, shelf-carrying door for the said opening, means for operating the said door, whereby it is held in any desired position with respect to the said opening, and a hood applied to the end of the oven-structure and providing a housing for the said door and for the means for operating the same.

1,534,842. GATE. STEPHEN EVERS, Fresburg, Mo. Filed June 11, 1924. Serial No. 719,361. 1 Claim. (Cl. 39—67.)

The combination with a pivoted inclined rod, a longitudinally movable gate mounted on said rod and moved to closed or open position by gravity, vehicle actuated means for raising the free end of said rod, of manual means for raising the free end of said rod, said manual means comprising pivoted levers, said levers being pivotally connected to yieldable arms and extending downwardly towards each other and pivotally connected together, a flexible connection between the pivotal point of said levers and the free end of the rod, said spring arms forming means for holding the tiltable rod in raised position against the weight of the gate and the rod.



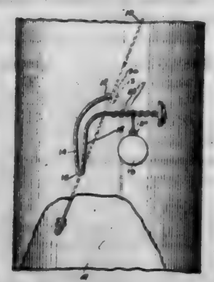
1,534,843. STOCK-WATERING DEVICE. HEINRICH FLESSNER, Highland Park, Mich. Filed Oct. 6, 1924. Serial No. 741,840. 8 Claims. (Cl. 119—76.)



1. In a device of the class described, in combination a depressible platform, a tank, water pumping apparatus operable by the depression of said platform to supply water to said tank, a float in said tank, and platform locking means rendered active by said float when raised.

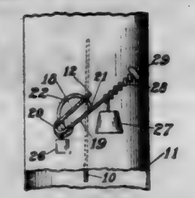
1,534,844. DAMPER. JEFFERSON FOWLER, Red Creek, and CLAUDE FOWLER, Yonkers, N. Y. Filed July 11, 1921. Serial No. 483,617. 14 Claims. (Cl. 137—152.)

1. In a damper, in combination, a length of pipe, a valve plate, a spindle therefor, a weight arm supported by said spindle, a bight between said spindle and said weight arm, and a weight normally supported



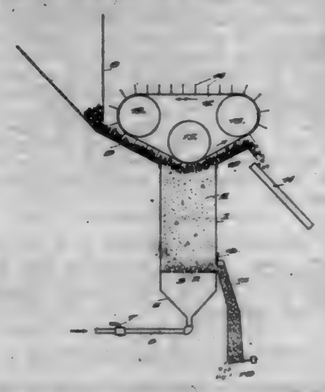
on said weight arm for balancing the valve plate in an operative position, said weight being movable to said bight to hold the valve plate in inoperative position.

1,534,845. AUTOMATIC DAMPER. CLAUDE J. FOWLER, Yonkers, and JEFFERSON FOWLER, Red Creek, N. Y. Filed May 8, 1923. Serial No. 637,571. 14 Claims. (Cl. 137—152.)



14. In a damper, in combination, a damper plate, a spindle therefor including an arm extending therefrom, a balance weight carried by the arm, and friction means associated with the spindle for damping the swinging movements of the damper during normal operation thereof.

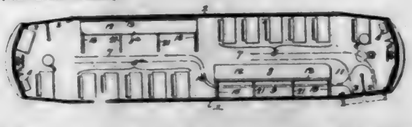
1,534,846. PROCESS OF SEPARATING LOOSELY-MIXED MATERIALS. THOMAS FRASER and HARRY F. YANCY, Urbana, Ill. Filed May 11, 1923. Serial No. 638,395. 10 Claims. (Cl. 83—54.)



1. The method of separating mixed materials having different specific gravities, which consists in creating a body of loose dry granular material, a fluidic condition with an effective specific gravity between the specific gravity of the materials to be separated and less than

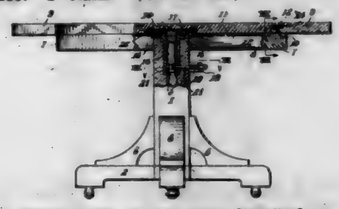
said granular material has in its natural state, supplying the mixed materials to the surface of said body, and positively removing the lighter material from the upper portion of the body.

1,534,847. PASSENGER CAR. GEORGE FREY, Philadelphia, Pa., assignor to the J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 1, 1924. Serial No. 710,346. 8 Claims. (Cl. 105—345.)



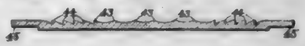
3. The combination in a passenger car, of permanent seats at each end of the car and at opposite sides thereof; movable longitudinal seat sections opposite the permanent seats; and transverse guides for the movable seat sections so that one of said movable seat sections can be moved from the sides of the car to provide a passageway.

1,534,848. DINING TABLE. WALTER GALGOCZI, Rosebush, Mich., assignor of one-third to Paul John, East Chicago, Ind. Filed May 25, 1923. Serial No. 641,439. 1 Claim. (Cl. 45—26.)



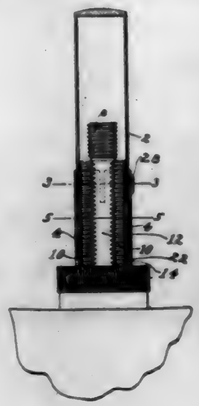
In a dining table of the type described, a pedestal having a bore, radially extending supporting bars secured to the upper end of the pedestal, a supporting ring secured to the ends of said bars, a rigid table top section in the form of a ring secured to the top space of the supporting ring, said supporting ring and table top ring having their upper inner edges rabbeted, anti-friction ball bearings mounted in the rabbetted edge of the table top ring, a wavy metallic friction ring mounted in the rabbetted edge of the supporting ring, a metallic collar inserted in the upper end of the bore of said pedestal and having an annular flange bearing against said pedestal end, anti-friction ball bearings mounted in said flange, a disk shaped table top section having its lower peripheral edge rabbetted for engaging the ball bearings carried by the table top ring section, a depending stub shaft carried by the last mentioned table top section projecting into the bore of said sleeve, and a spring pressed pin carried by said pedestal engaging said stub shaft for separably holding the disk-shaped table top section in position to bear against the anti-friction rollers and the friction ring.

1,534,849. HEADLIGHT. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass. Original application filed Apr. 7, 1920, Serial No. 371,929. Divided and this application filed Oct. 14, 1922. Serial No. 594,464. 4 Claims. (Cl. 240—48.4.)



1. A headlight lens comprising zones of vertical prisms, the central zone comprising vertical shallow cylindrical prisms, and the outer ones each comprising oppositely faced substantially semi-cylindrical convex prisms of greater refractive power than the prisms of the central zone.

1,534,850. DUST CAP FOR VALVE STEMS OF PNEUMATIC TIRES. FRANK S. HAMILTON, Boston, Mass. Filed Mar. 27, 1920. Serial No. 369,259. 3 Claims. (Cl. 152—12.)



1. A covering for a stem having interrupted threads, comprising a cap having interrupted threads adapted to slide past the interruptions of the stem threads to permit longitudinal movement of the covering and adapted to engage the stem threads to prevent said longitudinal movement, and having a projection; and a sleeve on the cap, movable longitudinally with the cap along the stem but not rotatably about the stem, having a slot whose two walls engage the said projection when the cap has been rotated into engagement with the stem threads, thereby locking the cap against rotation.

1,534,851. CONTROL PACKER HEAD. CHARLES M. HEBTER and JOSEPH W. HEBTER, Butler, Pa. Filed Dec. 18, 1924. Serial No. 756,704. 9 Claims. (Cl. 166—10.)



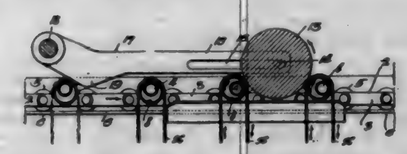
1. A packer head comprising a sleeve having an axially extending opening and a laterally extending opening, a casing adapted to telescope relatively to said sleeve, means normally holding said casing and sleeve in extended relation, and means preventing flow of fluid axially through said sleeve and casing when they are in extended relation, substantially as described.

1,534,852. SYRINGE. JOHN A. HUNTER, Cleveland, Ohio. Filed Sept. 10, 1923. Serial No. 661,893. 1 Claim. (Cl. 128—239.)



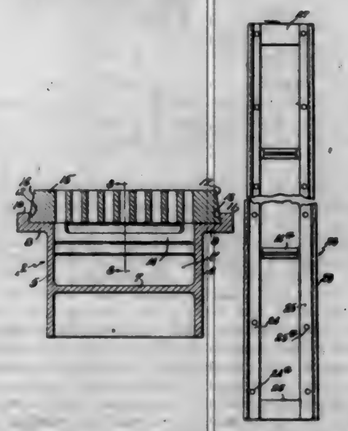
The combination of a syringe tube, a nozzle having a reduced externally threaded inner end, a fine mesh strainer arranged in the inner end of the nozzle, a pill retaining chamber receiving the threaded end of the nozzle at one end, and of the same diameter as the nozzle, a relatively coarse strainer integrally formed with the end of the chamber opposite the nozzle, and said chamber having a reduced end to frictionally engage the tube.

1,534,853. LOOP DRIER. ALPHEUS O. HUBBTHAL, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1924. Serial No. 749,095. 8 Claims. (Cl. 34—12.)



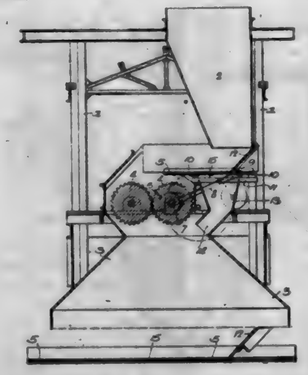
1. The combination in an apparatus for drying, or shrinking, cloth, of a casing; a carrier having a series of girts upon which the cloth is looped; a roller arranged to enter the space between two girts and to hold the cloth to the girts; means for turning the girts; and means for raising and lowering the roller.

1,534,854. SUCTION BOX AND COVER THEREFOR FOR USE IN FOURDRINIER MACHINES. ARCHELAUS LEWIS, Cumberland Mills, Me. Filed May 12, 1923. Serial No. 638,610. 17 Claims. (Cl. 92—51.)



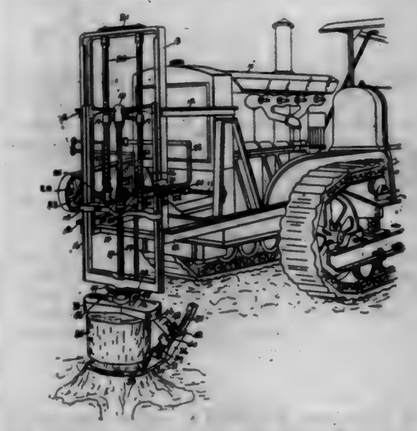
3. A suction box for use with Fourdrinier machines, said box having cover retaining element, and a slidable cover member tapering in width from one end to the other, engaging said retaining elements.

1,534,855. BY-PASS FOR FEEDING MECHANISM FOR CRUSHERS. HARRY N. LOWENTHAL, Philadelphia, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1921. Serial No. 493,294. 1 Claim. (Cl. 83—44.)



The combination of a pair of crushing rolls; a hopper above said rolls; a bin, or other receptacle, below the rolls; and a reciprocating feeding plate for feeding material from the hopper to the rolls, said feeding plate having a detachable section, which, when removed, will cause the material to by-pass the crushing rolls and flow directly into the bin, or other receptacle.

1,534,856. APPARATUS FOR SEVERING STUMPS. EDWIN A. MCKOY and GEORGE D. MOORE, New Orleans, La. Filed May 23, 1921, Serial No. 471,623. Renewed Sept. 30, 1924. 13 Claims. (Cl. 144—2.)

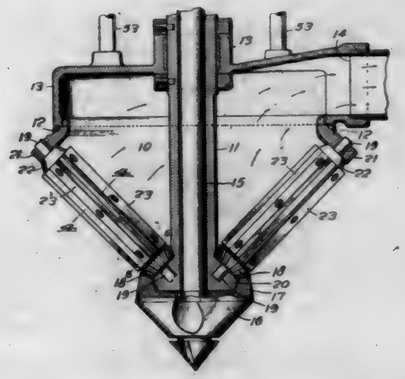


1. A stump cutter comprising a gyrating knife an arm secured to and adapted to advance the knife toward the axis of gyration, said arm being proportioned to follow into the cut effected by the knife.

1,534,857. PLANETARY CUTTER HEAD. EDWIN A. MCKOY, New Orleans, La. Filed May 23, 1921, Serial No. 471,625. Renewed Sept. 30, 1924. 5 Claims. (Cl. 144—210.)

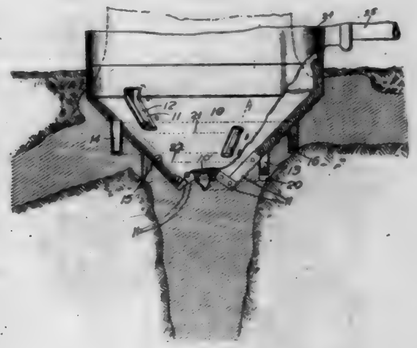
1. A hollow cutter head having the exterior shape of a surface of revolution, and having a slot in its wall,

a cutter mounted within said hollow head adjacent said slot and capable of rotation about an axis at an angle to the axis of the head, said cutter extending through



said slot, and projecting beyond the surface of the head, and means for rotating said head and cutter about their respective axes.

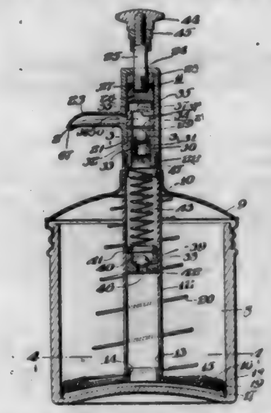
1,534,858. SLITTING CUTTER HEAD. EDWIN A. MCKOY, New Orleans, La. Filed May 23, 1921, Serial No. 471,627. Renewed Sept. 30, 1924. 6 Claims. (Cl. 144—2.)



1. A cutter head comprising a rotating body, knives carried by the body positioned to cut spaced annuli, and a slitter axially in advance of the knives positioned to cut a groove between the annuli.

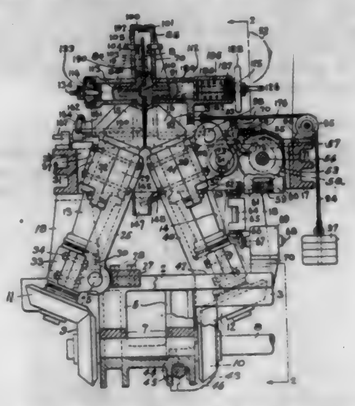
1,534,859. DISPENSING DEVICE. ARCHIBALD JOHN MARTIN, Philadelphia, Pa., assignor to Victor C. Dreisbach, Philadelphia, Pa. Filed June 6, 1922. Serial No. 566,344. 8 Claims. (Cl. 221—103.)

1. A dispensing device comprising a reservoir, a tube extending downwardly into the reservoir and open at the bottom, a spring-pressed piston slidable in the reservoir tending to force the contained material upwardly into said tube, a valve rigidly located intermediate the end of said tube, a piston slidable in said tube and



spaced from said valve, a valve carried by said piston, an outlet spout for said tube, and means to force the piston toward the first mentioned valve.

1,534,860. MILL FOR ROLLING TAPERED DISKS. ARTHUR MARTIN, Pittsburgh, Pa. Original application filed May 26, 1922, Serial No. 563,877. Divided and this application filed June 21, 1923. Serial No. 646,860. 16 Claims. (Cl. 80—16.)



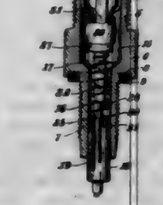
16. A mill for rolling tapered disks comprising two cooperating and converging tapered rolls having their axes of rotation in a common vertical plane, shafts supporting said rolls, bearings for said shafts adjacent to said rolls, thrust bearings supporting the lower ends of said shafts, means for simultaneously driving said shafts, means for adjusting one of said rolls toward and from the other and for varying the angular position of said roll, means for mounting the other roll for pivotal movement around a horizontal axis disposed below said movable roll, whereby said movable roll may approach and recede from the first-named roll in a substantially straight line, a continuously rigid yoke surrounding the upper bearings of said roll shafts, a cam roller carried by the upper bearing of said movable roll, a cam carried by said yoke and operating through said cam roller to move said movable roll toward the other roll, means for transmitting rolling thrust through said rolls to the ends of said yoke, a housing carried by said yoke and composed of a fixed section and a slidable section, a member carried by the upper bearing of said movable roll and engaging a portion of said slidable housing section, a weight connected to said slidable section and tending to move said slidable section away from said fixed section, and also tending to move said movable roll away from said fixed roll, a burner within said housing, means for confining most of the heat from said burner to the outer portion of said housing, means for positioning blanks within said housing, a separable mandrel carried by the sections of said housing, means for carrying cooling fluid through said mandrel, and means for exhausting air from said housing, and means for detaching finished disks from said mandrel when said housing is opened.

1,534,861. ABRASIVE DISK. HARRY C. MARTIN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Original application filed Jan. 25, 1922, Serial No. 531,554. Divided and this application filed Jan. 30, 1924. Serial No. 689,431. 4 Claims. (Cl. 51—280.)



1. An abrasive disk comprising a backing of flexible material and an abrading portion built up of abrasive grains and a resinous bonding material and having a porosity of not less than 36%, substantially as described.

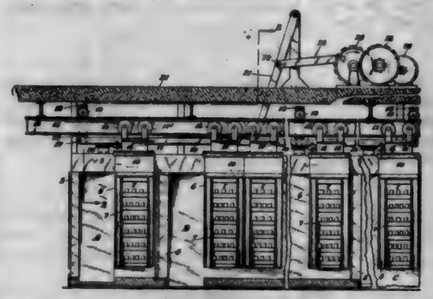
1,534,862. PNEUMATIC-TIRE VALVE. FREDERICK MYERS, New York, N. Y. Filed Aug. 14, 1923. Serial No. 657,304. 3 Claims. (Cl. 152—12.)



1. In a pneumatic tire valve, a tubular casing, a cup-shaped element forced into the bore of the tubular casing, said cup-shaped element having an opening provided with a depending annular flange of less diameter than the bore of the tubular casing for forming a valve seat, a valve stem slidable through the opening of the cup-shaped element, a cylindrical valve formed of resilient material carried by said stem, and means for forcing the valve against the edge of the flange valve seat for causing the valve to be deformed for overlapping the outer face of the flange to provide a better seal.

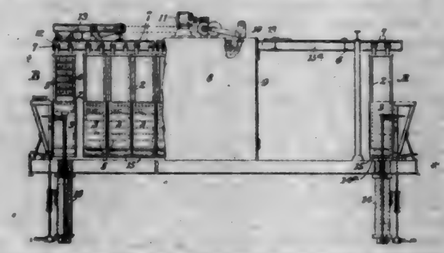
1,534,863. APPARATUS FOR ANNEALING GLASSWARE. GEORGE G. OLIVER, Wheeling, W. Va., and THOMAS STENHOUSE, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Jan. 31, 1923. Serial No. 616,004. 9 Claims. (Cl. 49—47.)

1. In apparatus for annealing glassware, an annealing lehr having inlet and discharge ends and also having an ante-chamber, an annealing chamber and a cooling chamber arranged endwise of each other, dividing means between each two of the chambers, containers for a plurality of trays of glassware, a suspension for each of the containers, an overhead trackway along which each



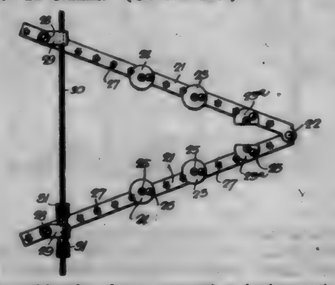
suspension moves, and means for moving each of the containers successively from chamber to chamber during the annealing operation.

1,534,864. APPARATUS FOR TEMPERING GLASSWARE. GEORGE G. OLIVER and THOMAS STENHOUSE, Washington, Pa., assignors to The Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Dec. 19, 1919, Serial No. 346,022. Renewed Mar. 17, 1924. 11 Claims. (Cl. 49—47.)



1. In apparatus for annealing glassware, a receptacle comprising an inner container and an outer container, the inner container having a closed top and bottom and a series of shelves having open sides, and an outer container having closed walls open at top and bottom, the inner container being adapted, when filled with ware, to rest in the lower portion of said outer container, the side walls of the outer container and the top and bottom of the inner container comprising a complete closure for excluding air during annealing.

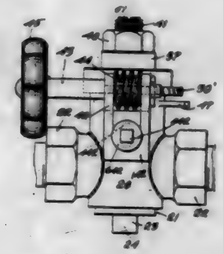
1,534,865. STRAIN GAUGE. JAMES W. OWENS, Cradock, Va., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 15, 1921. Serial No. 515,236. 12 Claims. (Cl. 33—125.)



1. The combination in a measuring instrument of a pair of bars hinged together and each having therein at definite distances from the point of connection of said

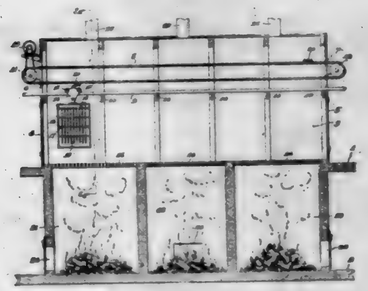
bars a set of parts carrying recesses for the reception of centering points; with means for adjusting said bars to vary the angle between them, said parts being independently adjustable.

1,534,866. VALVE. GEORGE M. PAGE, Haydenville, Mass., assignor to Victory Equipment Corporation, Haydenville, Mass., a Corporation of Massachusetts. Filed Dec. 22, 1919. Serial No. 346,467. 6 Claims. (Cl. 251—97.)



1. A valve comprising a casing, a frusto conical seat in said casing surmounted at its smaller end by a spring-chamber, and a frusto-conical plug in said seat, having an oval and a triangular opening in the walls thereof, a stem extending from the smaller end of the plug, through said spring-chamber, a spring seated in the lower end of said chamber and adjustable means attached to the stem bearing on the upper end of the spring to regulate the tension thereof, a cap mounted on said stem, a graduated dial on said casing, a pointer extending beyond the periphery of said cap for indicating the amount of rotation of said plug on said dial; outstanding arms on said casing and a worm gear mounted therebetween and on a spindle journaled in said arms, and an arcuate rack on said cap, said rack cooperating with said worm gear whereby adjustment of the openings in the plug may be obtained.

1,534,867. SMOKEHOUSE. CARL PESCHKE and HERMAN KILLIAN, Detroit, Mich. Filed Oct. 20, 1924. Serial No. 744,745. 7 Claims. (Cl. 99—2.)



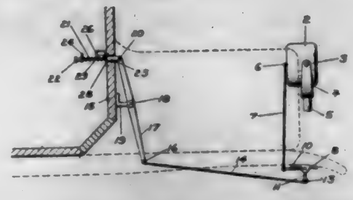
1. Smoke house apparatus comprising, an elongated smoke chamber, a conveyor traveling the length thereof, and fire boxes arranged beneath said smoke chamber, said boxes being adapted to admit smoke to said chamber in stages throughout its length whereby smoke of varied densities may be provided in said chamber.

1,534,868. EXPANSIBLE MANDREL. WILLIAM W. RONEY, Sewickley, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 25, 1920. Serial No. 391,800. 1 Claim. (Cl. 24—72.)



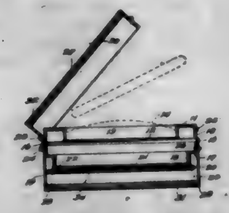
In a mandrel of the character described, in combination, a supporting shaft provided with a screw-threaded portion and with a plurality of substantially flat portions between its ends, substantially flat bars co-operating with the flat portions of said shaft and provided with inclined slots, screws extended through said slots into said shaft to cause the flat bars to slide outwardly and transversely with relation to the shaft upon said flat portions as bearing surfaces when said flat bars are moved longitudinally of the shaft, and a hand wheel provided with a threaded hub engaging the threaded portion of said shaft and having an annular recess into which the rear ends of said bars extend and co-operating with the threaded hub to be moved thereby when the hub is rotated in one direction upon the shaft.

1,534,869. SAFETY ADJUSTING MECHANISM FOR AUTOMOBILE HEADLIGHTS. JAMES G. B. ROBICK and SAMUEL RUCKMAN, Woodlawn, Pa. Filed Feb. 14, 1924. Serial No. 692,692. 6 Claims. (Cl. 240—61.)



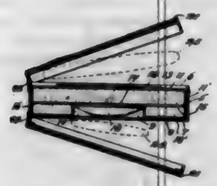
1. A safety adjusting mechanism for automobile headlights comprising a one-piece rock shaft having terminal lever arms and an intermediate lever, lamp engaging rods pivotally connected to said arms and having lamp connecting terminals, an operating lever connected with the intermediate lever, and a spring retracted operating rod connected with the operating lever and provided with a locking device.

1,534,870. CONTAINER FOR FACE POWDER, ROUGE, OR THE LIKE. WILLIAM HERBERT ROYSTONE, New York, N. Y. Filed Oct. 21, 1922. Serial No. 595,887. 8 Claims. (Cl. 132—83.)



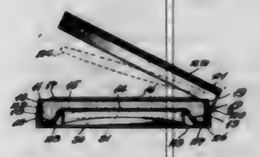
1. A receptacle to contain loose face powder, one side of which has a readily removable sifter-screen whereby the supply of powder may be replenished, said sifter screen being covered with a removable sheet of paper or the like.

1,534,871. VANITY CASE. WILLIAM HERBERT ROYSTONE, New York, N. Y. Filed Dec. 18, 1922. Serial No. 607,479. 9 Claims. (Cl. 132—83.)



1. A vanity case, having an internally flanged ring, a reducing ring carried on the flange, and a rouge compact inside the reducing ring.

1,534,872. VANITY CASE. WILLIAM H. ROYSTONE, New York, N. Y. Filed Dec. 29, 1922. Serial No. 609,577. 8 Claims. (Cl. 132—83.)



1. In a vanity case, a powder receptacle open at the top and having a downwardly open recess in the bottom, a cover for the bottom, a reducing ring in the cover, the space provided by the inside of the reducing ring and by the recess providing accommodations for a rouge compact and a rouge puff.

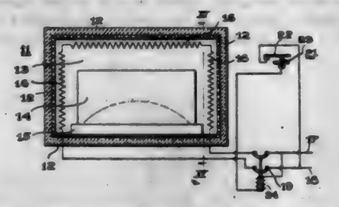
1,534,873. VANITY CASE FOR LOOSE POWDER. WILLIAM H. ROYSTONE, New York, N. Y. Filed Jan. 17, 1923. Serial No. 613,108. 10 Claims. (Cl. 132—83.)



1. A vanity case having a powder compartment open at the top, and a closure for the top, said closure being supported in spaced relation to the bottom of the compartment and having a grille, the open work of the grille being distributed about the surface of the closure to effect distribution of powder inside a raised peripheral bead which is adapted to engage a powder puff to prevent the escape of powder.

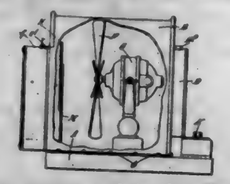
1,534,874. HEAT-SATURATION INDICATOR. WIRT S. SCOTT, Bosman, Md. Filed Aug. 11, 1923. Serial No. 656,867. 9 Claims. (Cl. 108—13.)

1. The method of determining when a mass of material has been heated to uniform predetermined temperature throughout when subjected to heat in a furnace structure which comprises the determination of the heating and cooling curves of the charged furnace between pre-



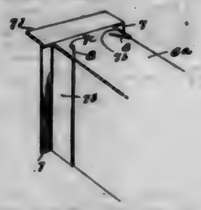
determined temperature limits and noting when these curves become substantially identical with those of the same furnace structure when empty.

1,534,875. MEANS FOR DISINFECTING AND HEATING AIR. WILLIAM ERNEST SIDAY, North Kensington, London, England. Filed Aug. 16, 1921. Serial No. 492,738. 3 Claims. (Cl. 261—30.)



1. A portable apparatus of the class described comprising a casing having inlet and outlet openings at opposite ends, a fan mounted within said casing and adapted to force air through said outlet opening, heating means positioned in the path of air discharged through said opening, said means being supported from the casing, and a baffle plate within the casing between the fan and the discharge opening for preventing back draught through the casing.

1,534,876. NAILING BLOCK. LEO SIMMONS, Washington, D. C. Filed Oct. 5, 1922. Serial No. 592,510. 4 Claims. (Cl. 72—105.)

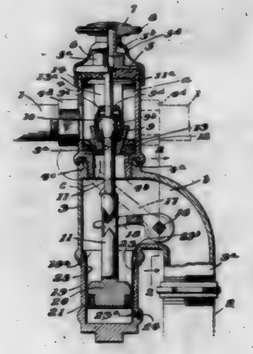


2. A nailing block provided with anchoring flanges arranged transversely and longitudinally with respect to the blocks to hold the block against movement longitudinally of the wall and also against movement transversely of the wall, whereby said block can be employed as a jamb block.

1,534,877. FLUSHING APPARATUS. LEO SIMMONS, Washington, D. C. Filed Nov. 29, 1922. Serial No. 604,113. 7 Claims. (Cl. 137—93.)

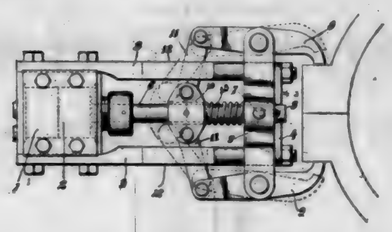
2. Flushing apparatus comprising main and relief flushing valves, a casing providing a flushing water passage, a lift stem for said valves, a piston carried by said stem for controlling the closing movement of the valves, a dash pot cup receiving said piston and carried by said casing and at its upper end open to said passage, said cup provided with a longitudinal water duct open to said passage at its upper end at the top edge of said cup and

at its lower end having a port opening into the lower end of the cup, a normally fixed member adjustable from the exterior of the casing for controlling the capacity of said port, said piston and the cup being relatively formed to permit flow of water past the piston during ascent of



the piston and to prevent water leakage except through said port and duct during descent of the piston, said piston and the upper end portion of the cup being relatively formed to permit quick inflow of water under the piston when approximately at its limit of upward movement.

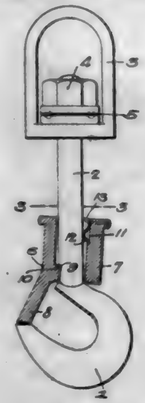
1,534,878. CLAMP FOR GLASS MOLDS. THOMAS STENHOUSE, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Sept. 17, 1923. Serial No. 663,221. 12 Claims. (Cl. 49—14.)



1. A clamp for molds, including a piston rod, a crosshead mounted for limited sliding movement thereon, clamping jaws pivotally mounted on the crosshead, means for moving the crosshead and jaws bodily forward to a fixed position, and means for causing the jaws to swing inwardly into clamping position after the termination of the forward bodily movement.

1,534,879. SWIVEL HOOK. MARK GILMER STEWART, Shreveport, La., assignor to The Pelican Well Tool and Supply Company, Shreveport, La., a Corporation of Louisiana. Filed Feb. 2, 1924. Serial No. 690,176. 3 Claims. (Cl. 24—241.)

1. The combination of a hook member formed with a stem and with a laterally projecting point, and a rigid slidable guard surrounding and loosely fitting the stem and held against turning thereon, the said stem having a downward exposed shoulder near its lower end on the same side as the point of the hook, and the said guard having an integrally formed finger projecting downward and outward to contact with and cover the point of the hook and also having an inward projecting upward exposed shoulder between its ends adapted to fit under and engage the shoulder on the stem when the guard is in a tilted position and to be disengaged therefrom when the guard is not in a tilted position.

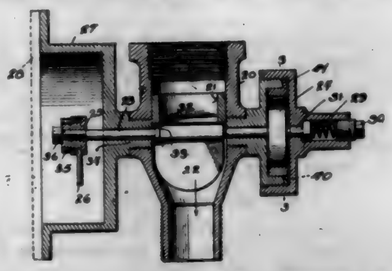


1,534,880. PLANT DEFLECTOR. WILLIAM STOEBNER, EDWARD STOEBNER, EMANUEL STOEBNER, and DANIEL STOEBNER, Tripp, S. Dak. Filed July 9, 1924. Serial No. 725,604. 2 Claims. (Cl. 97—192.)



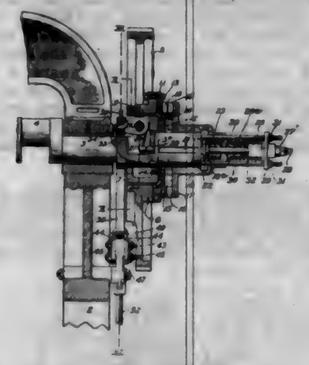
1. A plant deflector comprising spaced beams a bracket carried by the beams, pivoted arms carried by the bracket and extending forwardly and outwardly into engagement with the inner sides of the beams, said pivoted arms being provided with outwardly extending arms and springs co-operating with the outwardly extending arms and forming means for holding the pivoted arms in engagement with the beams.

1,534,881. SAFETY APPARATUS FOR CONTROLLING THE FLOW OF FLUID IN PIPES. CHARLES L. STOKOE, Wallsend-on-Tyne, England. Filed July 3, 1922. Serial No. 572,602. 5 Claims. (Cl. 116—112.)



3. In apparatus of the character described, in combination, a pipe through which a fluid is adapted to pass, a valve within said pipe, normally held open by the passage of said fluid, a spindle rotatable by said valve as said valve moves to closed position, alarm control mechanism operable by said spindle, means on the spindle engageable with the pipe to prevent leakage along the spindle to said mechanism, a spring box into which said spindle projects, a compression member in said box adapted to coact with the adjacent end of said spindle and slide the same laterally to operatively position said means, and means to rotate the spindle upon diminution of fluid pressure in the pipe.

1,534,882. CLUTCH MECHANISM. HOWARD H. TALBOT, Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 7, 1922. Serial No. 527,641. 9 Claims. (Cl. 192—24.)



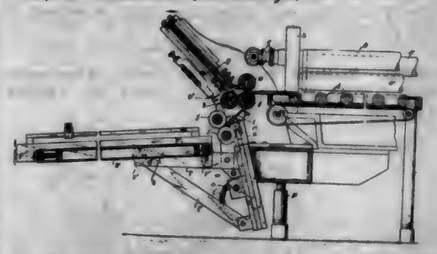
1. Clutch mechanism comprising a shaft provided with a longitudinally movable clutch member in splined engagement therewith, a loosely mounted driving gear on the shaft having co-acting clutch member, means carried by the shaft for operatively actuating the movable clutch member including a central thrust pin and a spring opposing its movement, and an exteriorly controlled bell crank lever for the thrust pin rotatably mounted with the shaft for normally holding the clutch open.

1,534,883. OIL-DISPENSING DEVICE. HERBERT BRADFORD TIMMS, Atlanta, Ga. Filed Oct. 7, 1924. Serial No. 742,216. 1 Claim. (Cl. 221—40.)



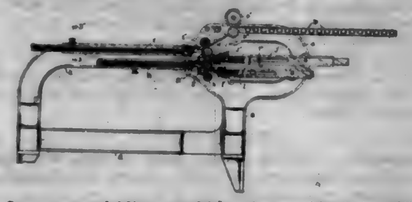
An oiling device comprising a stem, a pair of prongs projecting downwardly from the lower extremity of said stem and contacting at their free extremities to form an oil containing eye or space, the inner sides of said prongs being grooved.

1,534,884. PAPER-FOLDING MACHINE. WALTER G. TRAUTMAN, Cleveland Heights, Ohio, assignor to The Cleveland Folding Machine Co., Cleveland, Ohio, a Corporation of Ohio. Filed May 16, 1924. Serial No. 713,718. 9 Claims. (Cl. 270—68.)



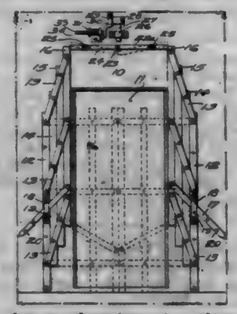
1. In mechanism of the class described, the combination with a sheet conveyor, of an associated set of folding and buckling rolls and their coacting folding plate, means for temporarily rendering inoperative said folding plate, a stacker mechanism adapted to receive the folded signatures from said folding appliance, and means for adjusting said stacker in alternative position to receive the signatures during the inoperative adjustment of the folding plate, substantially as set forth.

1,534,885. PAPER-FOLDING MACHINE. WALTER G. TRAUTMAN, Cleveland Heights, Ohio, assignor to The Cleveland Folding Machine Co., Cleveland, Ohio, a Corporation of Ohio. Filed May 16, 1924. Serial No. 713,719. 7 Claims. (Cl. 270—68.)



1. In a paper-folding machine, the combination with its frame provided with lateral supports of a plurality of folding plates slidably mounted respectively upon said supports, and deflector members adjustably positioned forwardly of said folding plates and adapted to be actuated into and out of operative position, substantially as set forth.

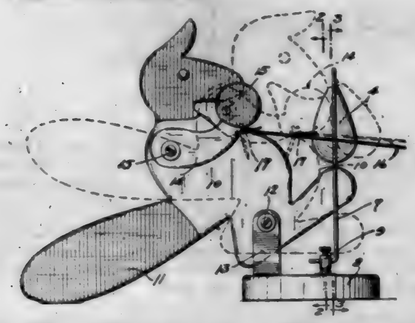
1,534,886. BURGLARPROOF DEVICE. HENRY H. ALLISON, Fairmont, Minn.; F. J. Brooker administrator of said Henry H. Allison, deceased. Filed July 30, 1921, Serial No. 488,603. Renewed Feb. 19, 1925. 3 Claims. (Cl. 70—50.)



3. In a burglar proof equipment, a closure device comprising a pair of barred gate members, each consisting of an upright member designed to be secured to a wall or

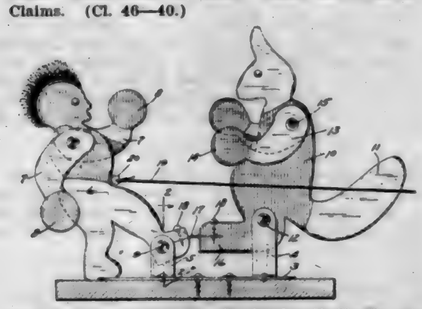
other support, a plurality of cross bars pivoted to said upright bar, a plurality of spaced upright bars pivoted to said cross bars, movable means for holding said gate in open collapsed position, means for causing releasing movement of said last means, and means for automatically latching said gates upon their movement to closed position.

1,534,887. FIGURE TOY. BURR BAKER, Minneapolis, Minn. Filed June 19, 1924. Serial No. 720,992. 2 Claims. (Cl. 46—40.)



1. A toy comprising a base, a yoke-like pedestal secured to and rising from said base, a toy punch bag loosely hung from the upper transverse portion of said pedestal, a toy figure pivoted to said base and having arms arranged to engage said punch bag, said toy figure having a forwardly projecting foot portion limiting the movement of the said figure toward the punch bag, and having a heavy outwardly projecting tail portion serving as a weight normally holding said figure retracted from the punch bag, and an operating cord attached to said toy figure.

1,534,888. FIGURE TOY. BURR BAKER, Minneapolis, Minn. Filed June 19, 1924. Serial No. 720,993. 4 Claims. (Cl. 46—40.)



1. A toy comprising a base having longitudinally spaced upstanding bearing brackets, toy figures pivoted to said brackets and having projecting foot portions, a spring link connecting the projecting foot portions of said figures and causing the same to simultaneously oscillate, and an operating cord connected to one of said figures, the center of gravity of said figures being outward of their pivotal supports, so that under the action of gravity the figures will separate.

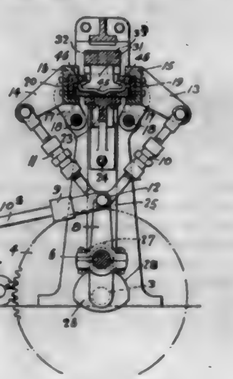
1,534,889. CHAIN FASTENER. JOSEPH B. BAMBENEK, Winona, Minn., assignor to Peerless Chain Co., Winona, Minn. Filed Oct. 15, 1923. Serial No. 668,594. 1 Claim. (Cl. 24—69.)

The combination with the end links of a chain, of a chain fastener comprising a shackle formed of sheet metal bent into flat U-shaped cross section, the flanges of said shackle at one end being pivotally attached to one of said links, and a lock lever working between the flanges of said shackle and pivoted thereto at the end opposite to which the said link is pivotally attached, the flanges of said shackle being formed between said pivotal connections with an intermediate link-receiving pocket and with pointed retaining lugs projecting inward from the end to which said lever is pivoted, and said



lever having reversely projecting hook lugs between said pivotal connections and spaced to afford a contracted entrance passage and a pocket adapted to receive the other or free chain link and to carry the same into the pocket of said shackle to a point inward of the lever pivot, the free end of the lever being curved in the same direction in which the hook lugs on said lever project, whereby when the fastener is applied to a chain said curved end will be turned into the pivotally attached lug.

1,534,890. BENDING MACHINE. FREDERICK W. BAUMANN, Pittsburgh, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1923. Serial No. 680,949. 4 Claims. (Cl. 153—33.)

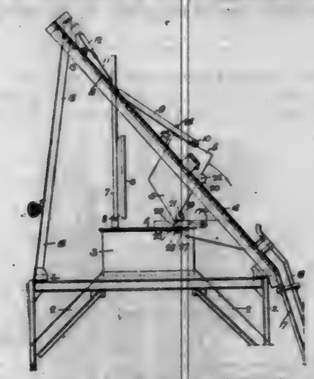


3. In a bending machine, the combination with a suitable frame, of a shaft, a vertically movable lower die, an upper die, dies adapted to bend metal around said upper die, a horizontally movable spring-actuated member carrying said upper die, and connections between said shaft and said member for withdrawing said upper die.

1,534,891. SKIP HOIST. ROBERT H. BEAUMONT, Radnor, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 15, 1923. Serial No. 612,673. 1 Claim. (Cl. 214—120.)
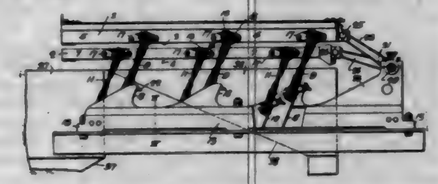
The combination in a skip hoist, of a frame; a hopper supported by the frame and having an opening at its upper end; a door closing the opening; a pivoted arm carrying the door; inclined rails extending over the opening in the hopper and other rails extending to the opening and at an angle to the first mentioned rails; a bucket having wheels adapted to travel on the rails, the rear wheels, when the bucket is above the hopper, traveling on the first mentioned rails and the front wheels traveling on the other rails; a bail pivoted to the

bottom of the bucket; means, on the bucket, arranged to engage the bail when the bucket is partially inverted;



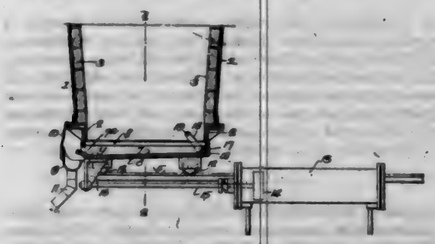
and buffers arranged in the path of the front wheels of the bucket, so that, when the bucket is inverted to discharge its load, the shock will be taken by the buffers.

1,534,892. SCREEN. ROBERT H. BEAUMONT, Philadelphia, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 1, 1923. Serial No. 635,953. 5 Claims. (Cl. 83—56.)



1. In combination, a screen member, a base member, means for resiliently mounting one of said members on the other comprising a bracket member rigidly secured to said screen member, a spring member having one end secured to said bracket member and extending toward said base member, said last-mentioned member having an upwardly extending flange portion, the remaining end of said spring member being secured to said flange portion, and adjusting means carried by said base member cooperating with said spring member, whereby the force of the spring member may be varied.

1,534,893. GATE FOR ASH HOPPERS. ROBERT H. BEAUMONT, Philadelphia, Pa., and HARVEY MARETTE, East Orange, N. J., assignors to Beaumont Manufacturing Company, Camden, N. J., a Corporation of New Jersey. Filed Apr. 30, 1924. Serial No. 710,195. 8 Claims. (Cl. 110—171.)



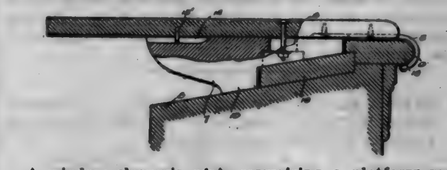
1. The combination of an ash hopper; a gate arranged to be located under the hopper; means for moving the gate into and out of position; a series of grate bars on the gate; and a fixed gutter at the front of the gate, said gate being open at the front end to allow the water that is used in quenching the ashes to pass from the gate into the gutter.

1,534,894. WHEELED MERRY-GO-ROUND. GLENN R. BEERS, Detroit, Mich. Filed May 2, 1924. Serial No. 710,633. 1 Claim. (Cl. 272—33.)



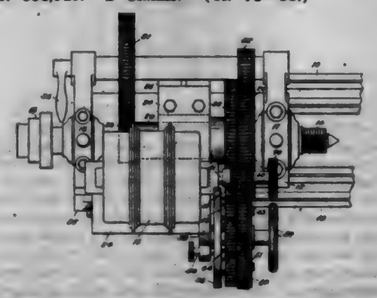
A wheeled merry-go-round comprising a pivotally mounted sweep, a support therefor, and wheels supporting the end portions of the sweep and adapted to travel in a circle on the ground or any other surface; the said sweep being provided at its ends with reduced portions carrying integral flush lateral projections extending in opposite directions therefrom and shaped to simulate kiddie car bodies, and the wheels being mounted in carriers pendent from said simulating portions, and the said lateral projections being provided with posts and handles on the posts.

1,534,895. WINDOW-CLEANER'S SEAT. JAMES A. BLACKWOOD, Jersey City, N. J. Filed Aug. 14, 1923. Serial No. 657,392. 1 Claim. (Cl. 304—24.)



A window cleaner's seat, comprising a platform provided with hooks at its front end and on its underface intermediate of its ends with pins, two blocks on the underface of the platform, each block having the underface of its front end rabbeted and provided in the underface of the rabbeted portion with a longitudinally extending recess and a slot leading from the recess out through the top of the rabbeted portion, the rear ends of the blocks being provided in their upper faces with longitudinal grooves to receive the pins of the platform, bolts passing through the platform and the slots of the blocks into the recesses thereof and nuts on the bolts in said recesses.

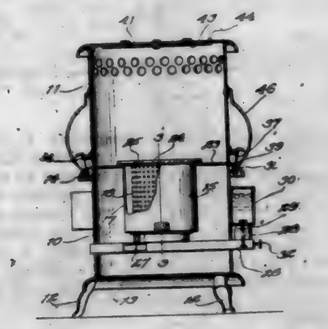
1,534,896. TURRET-TYPE TRANSMISSION. FRANK M. BLAIR, Newark, Ohio, assignor of one-half to Frederic M. Black, Newark, Ohio. Filed Apr. 18, 1922. Serial No. 554,940. 2 Claims. (Cl. 74—58.)



1. In a transmission, a drive member, a driven member, a pivotally mounted disk, a plurality of compound gears on said disk adapted to selectively engage said drive mem-

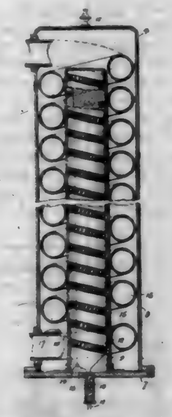
ber, a plurality of single gears each meshing with one of said compound gears, and means for moving said disk to bring a chosen single gear into mesh to drive said driven shaft.

1,534,897. STOVE. OSCAR E. BLOOMQUIST, Momence, Ill. Filed Apr. 8, 1924. Serial No. 705,094. 3 Claims. (Cl. 126—93.)



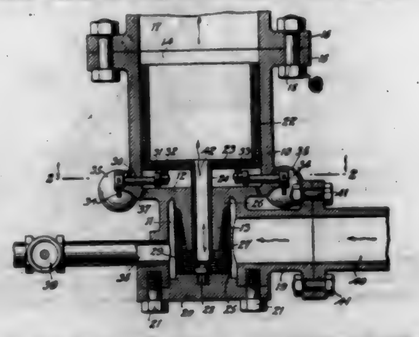
1. An oil stove comprising a casing including a lower section and an upper section, means detachably securing the sections together, a burner located within the lower section and extending through and forming part of the top of the latter, the top of said burner including spaced transverse ribs and a vertically disposed flange surrounding the ribs and means whereby oil may be supplied to the burner.

1,534,898. WATER HEATER. LUDWIG L. BLUEMLEIN, Hartsdale, N. Y. Filed May 13, 1924. Serial No. 713,010. 1 Claim. (Cl. 219—38.)



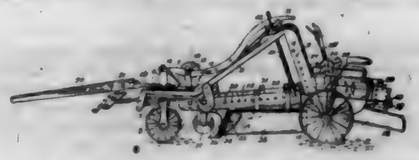
A water heater, comprising a container adapted to be filled with water, a heating coil arranged in the container, an inlet pipe extending from the lower end of said heating coil to a point exteriorly of the container, an outlet pipe extending from the upper end of said coil to a point exteriorly of the container, and heating means arranged within said coil, said heating means enclosing a tubular member closed at the upper end and rigidly secured at the lower end to the bottom of the container, the same being secured in such a manner as to be water-tight, a core snugly fitting in said tubular member and extending from top to bottom, said core having a spiral groove, a heating coil arranged in said groove, substantially air-tight means for guiding lead-in-wires to said coil, said core being provided with a longitudinal aperture for permitting one wire to extend to the top of the coil while the other extends to the bottom of the coil.

1,534,899. PRESSURE-REDUCING VALVE. JAMES E. BOGGIANO, Lake Placid Club, N. Y. Filed Apr. 19, 1924. Serial No. 707,717. 2 Claims. (Cl. 50—39.)



1. A fluid pressure reducing valve comprising a casing including upper and lower cylindrical sections, a horizontal partition wall therebetween having a central opening, said lower section having an inlet port communicating therewith, said upper section having an outlet port communicating therewith, a weighted member movable in the upper section, a central depending tubular stem extending through the partition, a closure cap removably carried by the lower end of the lower section, a stationary closure valve member carried by the closure cap and adapted to coact with the lower end of said tubular stem upon downward movement of the weighted member whereby to regulate the size of the passageway defined thereby, said closure valve member having a conical upper end whereby the lower end of the stem when completely closed thereby defines an annular shoulder against which the fluid pressure may act to lift the weighted member and the lower end of the stem from the seat and gravity actuated adjustable counterbalancing means operatively connected with the weighted member.

1,534,900. DITCHING AND GRADING MACHINE. CHARLES F. BOLIN, Ranchester, Wyo. Filed Jan. 30, 1923. Serial No. 615,908. 6 Claims. (Cl. 37—98.)



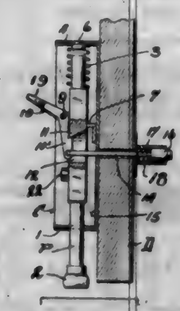
1. A ditching and grading machine which includes a frame, a plurality of ditching and grading elements, a plurality of supports for said elements, means associated with the supports and the elements for adjusting the elements on the supports in a variety of positions, said supports being pivoted to the frame, and means connected to the free ends of the supports for adjusting the angle of the supports with respect to the frame.

1,534,901. ORNAMENTAL CLOCK. ALPHONSE BONTHOUX, Duck Lake, Saskatchewan, Canada. Filed June 27, 1924. Serial No. 722,784. 9 Claims. (Cl. 58—8.)

1. An ornamental clock comprising a housing, a clock face and hands supported thereby, a floor within the housing, a bell mounted on the floor, a turntable mounted within the housing, a spring motor adapted to rotate said table, a plurality of images mounted on said table, each image including a pivoted arm and a hammer carried in said arm, and means adjacent said bell for causing said hammers to be dropped upon it as the images pass.



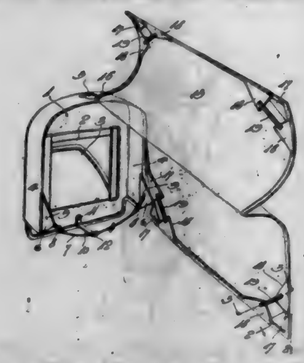
1,534,902. DOORCHECK. LOUIS A. BORNE, Milwaukee, Wis. Filed Oct. 25, 1924. Serial No. 745,936. 6 Claims. (Cl. 292—173.)



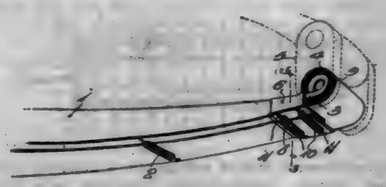
3. In combination with a door, a floor engaging plunger carried by one side thereof, means for urging the plunger into contact with the floor, a latch for holding the plunger in a raised or inoperative position, and means engaged with the latch and extending beyond the opposite side of the door for releasing the latch from the plunger, said means operating under impact to move the latch into inoperative position.

1,534,903. RADIATOR AND HOOD COVER FOR AUTOMOBILES. EMILE EDIDE BOUCHARD, Burlington, Vt. Filed Nov. 9, 1922. Serial No. 599,876. 10 Claims. (Cl. 257—132.)

1. A cover shaped to extend over an automobile hood and having pockets at its corners to receive the corners of the hood, flaps secured along one of their edges to the edges of said cover in spaced relation from the corners of said cover, said flaps extending inwardly across the back of said cover toward each other, and straps connecting said flaps.



1,534,904. VEHICLE-SPRING COVER. EMILE E. BOUCHARD, Burlington, Vt. Filed May 23, 1924. Serial No. 715,812. 3 Claims. (Cl. 267—37.)



1. A spring cover sealing device comprising a flexible collar strip to surround a spring cover adjacent a knuckle of a spring covered thereby, a packing strip projecting from said collar strip to engage the outer side of the spring knuckle, and means for holding said collar strip around the spring cover.

1,534,905. LICENSE-PLATE HOLDER. CLIFFORD T. BOWEN, Wellington, and ASA C. BOWEN, Cleveland, Ohio. Filed Feb. 1, 1923. Serial No. 616,342. 2 Claims. (Cl. 40—125.)



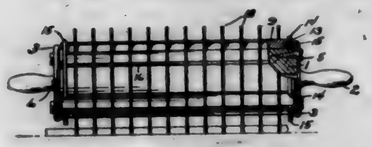
1. A license plate holder, comprising a pair of clamping members, overturned edges on the clamping members receiving the edges of the license plate, tongues on the members at the back of the license plate, plates projecting at right angles from and integral with the tongues, said plates having aligned openings therein, a bolt or screw projected through said openings, a nut on one end of the bolt, an extension on one of said plates and extending in spaced and parallel relation to the tongue carrying the plate and between which and the tongue the said nut is located, whereby the nut is held against turning movement, and a supporting member clamped to the extension and adapted to be secured to a vehicle.

1,534,906. BOXING GLOVE. WILLIAM BRIDGEWATER, Doncaster, England. Filed Nov. 27, 1923. Serial No. 677,808. 2 Claims. (Cl. 2—18.)



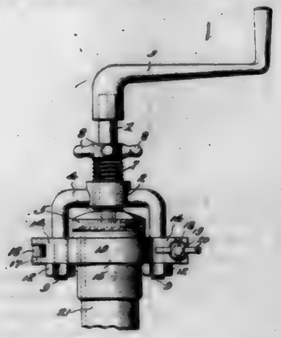
1. A boxing glove having a main stall to receive the fingers and palm of the hand, and a secondary and externally arranged stall to accommodate the thumb, the secondary stall being secured throughout its length to the main stall.

1,534,907. COMBINATION IMPLEMENT. JOHN P. BROECKER, Milwaukee, Wis. Filed Aug. 25, 1924. Serial No. 734,100. 1 Claim. (Cl. 107—50.)



In combination with a rolling pin, a plurality of ring-shaped cutters, longitudinally extending bars passing through the cutters and having notches therein for engaging parts of the cutters, a pair of rings engaging the ends of the bars for holding the same in engagement with the cutters and discs detachably connected with the ends of the rounded pin and engaging the rings for holding the cutter assembly on the pin.

1,534,908. PIPE REAMER. DAVID H. BROWDER, Lawrenceville, Va. Filed Feb. 11, 1922. Serial No. 535,876. 2 Claims. (Cl. 77—73.5.)



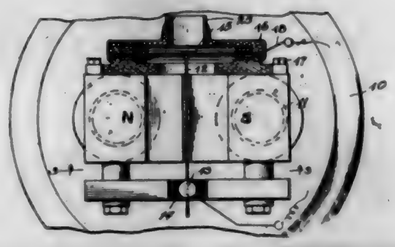
1. A reamer comprising a pair of complementary clamp sections adapted to embrace one end of a tubular member to be reamed, means for locking the sections together on the tubular member, a U-shaped element having its ends passing transversely through the ends of one of the clamp sections, nuts threaded upon the ends of the U-shaped member, an adjusting member threaded through the crest of the U-shaped member and having a central bore, a shaft rotatable and slidable in the bore of the adjusting member, and a reamer element carried by the end of the shaft.

1,534,909. ELECTRICAL GAUGE. RALPH C. BROWNE, Salem, Mass. Filed Oct. 10, 1921. Serial No. 506,925. 2 Claims. (Cl. 177—351.)



1. In a measuring instrument of the character described, in combination, a casing adapted to be mounted upon a liquid receptacle, said casing having its upper face inclined at an acute angle with the horizontal and having a sight opening therein, a tube of a substantially U-shaped construction, communicating with the interior of said receptacle, said tube being mounted in said casing and disposed for a portion of its length at an angle substantially parallel to the upper face of said casing, a quantity of mercury in the bend of said tube responsive to pressure variations caused by the change of liquid level in said receptacle, said tube being positioned in the line of the opening of said casing to thereby permit the displacement of the mercury to be viewed through said sight opening and electrical means partly in said tube and dependent upon the displacement mercury in said tube to indicate at a distance the liquid level in said receptacle.

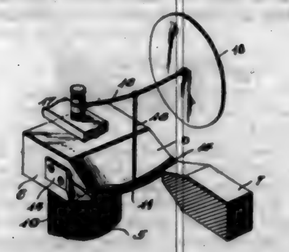
1,534,910. TELEPHONE RECEIVER. RALPH C. BROWNE, Salem, Mass. Filed Sept. 9, 1922. Serial No. 587,124. 14 Claims. (Cl. 179—114.)



3. A telephone receiver comprising pole pieces having a magnetic field therebetween, and a conductor extending through said field, one end of said conductor being positively clamped, the opposite end of said conductor being mechanically connected to said diaphragm, whereby vibration of said conductor is transmitted to the diaphragm at one end thereof.

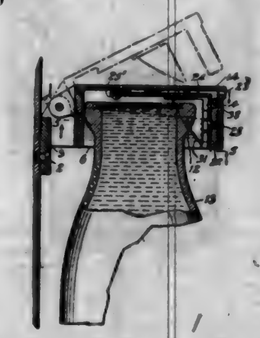
1,534,911. TELEPHONE RECEIVER. RALPH C. BROWNE, Salem, Mass. Filed Mar. 12, 1923. Serial No. 624,510. 14 Claims. (Cl. 179—108.)

1. A telephone receiver comprising two oppositely disposed pole pieces adapted to create a magnetic field therebetween, a single conductor within said field, a diaphragm, and means connecting said diaphragm with



said conductor comprising a member centrally connected with the diaphragm and a member extending between said first member and said conductor.

1,534,912. MILK-BOTTLE SUPPORT AND LOCK. CHARLES BRUDERLEIN, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,642. 6 Claims. (Cl. 232—41.)



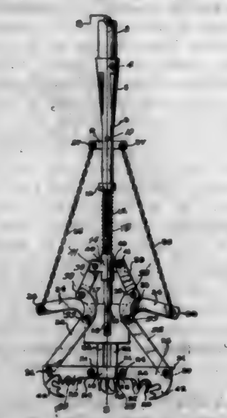
1. A milk bottle support and lock, comprising a substantially U-shaped support adapted to receive the neck of a milk bottle, a cover for said support hingedly connected therewith and locking means for locking the cover in a closed position, said locking means including a pair of catches, spring means for moving said catches to an unlocked position, and a cam adapted to be operated by a bottle arranged on said support for moving said catches against the action of said spring.

1,534,913. SERUM EXTRACTOR. EUGENE C. BUCK and CHARLES CHRISTIANSEN, Howard, S. Dak. Filed Nov. 10, 1923. Serial No. 674,006. 2 Claims. (Cl. 226—128.)



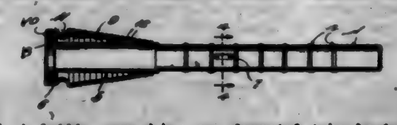
1. A fluid dispensing nozzle comprising a head having a bore formed into a valve seat and being flared, a sleeve carried by the head in continuation of the bore, a stem situated in the sleeve having a valve at one end and a cap loose upon the other end, the valve end of the stem extending into said bore to cause unseating of the valve upon introduction into and contact with said flared end of an instrument to be filled, a collar adjustably fitted into the end of the sleeve, and a spring on the stem pressing the cap against the collar and the valve against the seat.

1,534,914. GRAPPLE FOR SPEARING FISH. ANDREW CACCIAGATTI, Port Jervis, N. Y. Filed July 29, 1924. Serial No. 728,945. 7 Claims. (Cl. 43—5.)



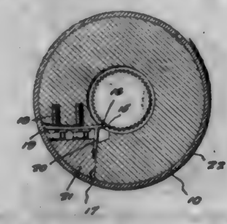
3. In a fish grapple, the combination with a frame provided with an extension having a handle, of a slide movable on the extension, grappling members operatively mounted on the frame, levers pivoted to the frame and provided with curved portions adjacent their pivots, links connecting the extremities of the curved portions and the slide, and actuating links operatively pivoted on the frame and having curved parts camming upon the first links whereby, upon operating the actuating links in directions toward the handle, the grappling members may open.

1,534,915. UNIVERSAL METAL BOBBIN. LOUIS ALEXANDER CADORET, Pawtucket, R. I. Filed May 19, 1924. Serial No. 714,457. 6 Claims. (Cl. 242—121.)



1. A bobbin comprising an elongated tube having a transverse flange at one end, a driving washer contacting with the outer side of said flange, and a hollow head secured around one end portion of the tube and surrounding said washer, said head having a portion engaging the outer side of the washer to secure the latter against the aforesaid flange.

1,534,916. COUPLING. EARL EDGAR CAMPBELL, Gillette, Wyo., assignor of one-half to Harper Lamar Jarvis, Gillette, Wyo. Filed Mar. 3, 1923. Serial No. 622,604. 1 Claim. (Cl. 279—100.)



A coupling of the character described comprising male and female members, respectively, the female member having a tapered threaded socket in one end thereof, said socket having a substantially cylindrical bottom

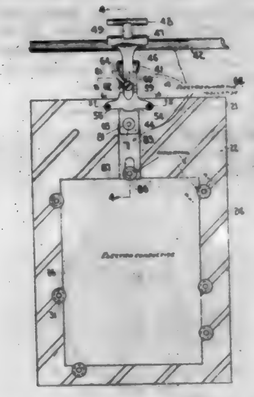
beyond and in registration with the tapered socket, the male member including an externally threaded tapered end adapted to be received and threaded within the socket in the female member, a substantially cylindrical portion provided on the end of the tapered portion of the male member and adapted to be received within the cylindrical portion in the female member, the male cylindrical portion having axially disposed ratchet teeth thereon, the female member having a V-shaped opening in the side thereof communicating with the cylindrical portion, an apertured L-shaped plate secured within the opening in the female member and resting upon two sides thereof, a dog carried by and extending from the inner end of the long arm of the plate and engaging the ratchet teeth on the cylindrical portion of the male member, a mixtilinear-shaped closure plug having a cut out portion in one side thereof to receive the short arm of the L-shaped plate and having its outer portion flush with the outer periphery of the female member, an annular grove provided in the female member in juxtaposition with the opening therein, and a split sleeve received within the groove to hold the closure plug within the opening in the female member.

1,534,917. ARMBAND, GARTER, AND THE LIKE. ERNEST CLARKE, Redditch, England. Filed Oct. 12, 1921. Serial No. 507,279. 2 Claims. (Cl. 241—5.)



1. A supporter of the class described comprising a coiled metallic spring member of annular form, and a tubular covering fabric member of annular form and of limited expansibility in which the metallic annular spring member is loosely enclosed, said members being disconnected from each other and being therefore adapted for free relative longitudinal movement, and the metallic annular spring member being limited in its expansion by the limit of expansibility of the tubular annular covering member.

1,534,918. MOLD SUPPORT. LESLIE W. CLAYBOURN, Menasha, Wis. Filed Oct. 9, 1922. Serial No. 593,258. 39 Claims. (Cl. 204—5.)



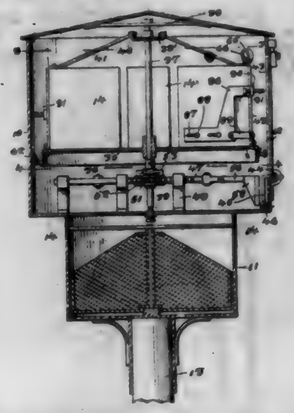
1. A mold support of the character described, comprising a plate having a surface which is electrically non-conducting and provided with recesses, and mold clamping means having attachment with the walls of said recesses.

1,534,919. SHOE TREAD. LEON B. CONANT, Cambridge, Mass., assignor to George W. Conant, Bridgewater, Mass. Filed Nov. 17, 1920, Serial No. 424,582. Renewed Aug. 29, 1924. 1 Claim. (Cl 36—35.)



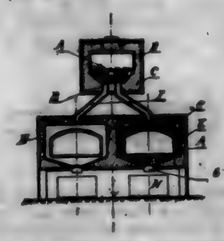
A shoe tread composed of two parts, the upper being of fibrous material, and the lower of rubber composition, the upper part consisting of a plurality of substantially duplicate perforate layers containing projections integral with the rubber lower part, said perforations and the projections therein being staggered.

1,534,920. MAIL BOX. CHARLES N. COX, Oroville, Calif. Filed June 7, 1924. Serial No. 718,602. 9 Claims. (Cl. 232—24.)



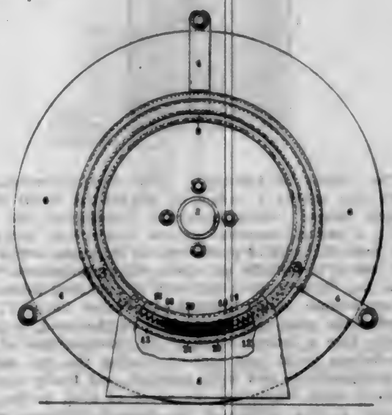
1. A mail box having a door, a rotatable member arranged therein, a plurality of auxiliary boxes carried by said member, means for rotating said member and initially actuated upon the opening of said door, and means for checking the rotation of said member to bring any of said auxiliary boxes directly behind the door opening.

1,534,921. HEATING SYSTEM. SEVERINO CHRISTIANI, Milan, Italy. Filed July 31, 1922. Serial No. 578,824. 2 Claims. (Cl. 263—1.)



1. In a heating system, the combination of a chamber adapted to receive a mass of granular refractory material and provided with a casing of heat-insulating material; and a chamber to receive articles to be heated, the last-named chamber having a compartment entirely surrounding it but devoid of communication with it, a heat-insulating casing enclosing said compartment, means for heating the first-named chamber, and a pipe leading from the interior of said first-named chamber directly into the compartment surrounding the last-named chamber to deliver the refractory material in a heated state into said compartment to heat the contents of said last-named chamber.

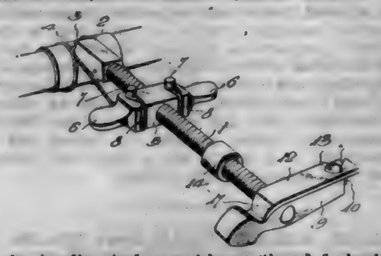
1,534,922. MUD GUARD FOR MOTOR VEHICLES. EDOUARD FERNAND DAUTEIL, St.-Denis, France. Filed Dec. 21, 1923. Serial No. 682,041. 4 Claims. (Cl. 280—157.)



2. A mud guard for wheels of motor and other vehicles comprising in combination: supports secured on the axle,—arms secured on these supports,—a collar rigid with these arms and concentric with the axis of the wheel,—a chambered crown mounted on the said collar and capable of rotating on the latter,—a protecting band carried by the said crown,—members adapted to connect in the transverse direction the fixed collar and the movable crown and to prevent the latter and the protecting band it carries from accidentally coming off the said collar,—and means for bringing back the protecting band to normal position after displacement,—said means comprising abutments in the chamber of the crown, an abutment on the collar between the abutments of the crown, a coil spring in the chamber of the crown, and buffers at the ends of the spring and bearing on the said abutments.

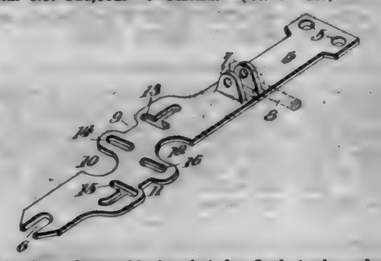
4. A mud guard for the wheel of motor and other vehicles comprising in combination: supports secured on the axle,—arms secured on these supports,—a collar rigid with these arms and concentric with the axis of the wheel,—a crown mounted on the said collar and capable of rotating on the latter,—a protecting band carried by the said crown,—members adapted to connect in the transverse direction the fixed collar and the movable crown and to prevent the latter and the protecting band it carries from accidentally coming off the said collar,—a circular chamber formed in the movable crown,—abutments secured in the latter,—an abutment rigid with the fixed collar and arranged between the abutments of the movable crown,—a coil spring arranged in the circular chamber,—buffers at the ends of this spring and taking a bearing on the opposed faces of the abutments of the movable crown and fixed collar,—metallic buffers in the protecting band and projecting on the outer face of the latter,—ribs on the said buffers, these ribs projecting on the inner face of the said protecting band and being adapted to come in engagement with the rim when this band is pressed between the rim and the carbstone of a pavement.

1,534,923. COMBINATION TOOL. WILLIAM M. DAVIDSON, Eastview, Ky., assignor of one-half to Marshall Lee Johnson, Eastview, Ky. Filed Jan. 17, 1924. Serial No. 686,842. 1 Claim. (Cl. 81—9.3.)



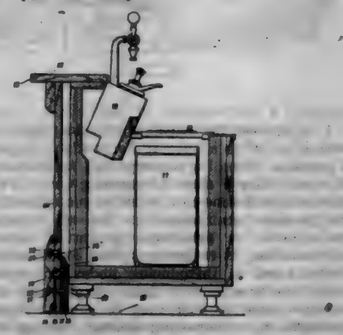
A wire banding tool comprising a threaded shank, a head swiveled on one end of said shank and having in its front end a transverse groove to receive the connecting portion of a U-shaped piece of wire, and a wire-stretching block threaded on said shank and having a pair of wire-anchoring studs at one side, the opposite side and the rear side of said block having transverse V-shaped wire-holding grooves in which the end portions of the wire are disposed before engaging them with said studs.

1,534,924. BRACKET FOR FLUSH TANKS. EDWARD L. DELANY, Brooklyn, N. Y. Filed Mar. 17, 1922. Serial No. 544,001. 6 Claims. (Cl. 4—68.)



1. An interchangeable bracket for flush tanks, adapted for attachment to the upper edge of the tank adjacent either end and adapted to support a float valve, and a flush valve operating lever.

1,534,925. WATERPROOF SHOE FOR USE IN COUNTER CONSTRUCTION. JOSEPH K. DEMETER, New York, N. Y. Filed Mar. 16, 1923. Serial No. 625,682. 7 Claims. (Cl. 211—11.)



1. A counter construction including spaced face and inner plates, a supporting block disposed in the space between said plates and of less height than the same,

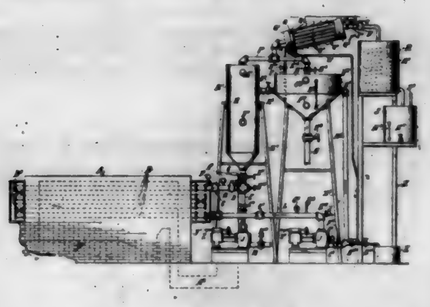
a waterproofing member interposed between said block and inner plate and extending above the upper end of said block, a second waterproofing member having a main portion interposed between said face plate and the adjacent face of said supporting block and having laterally extending portions one of which is disposed between a support and the lower edge of said face plate and the other of which engages the upper edge of said supporting block and the first-named waterproofing member, said other portion combining with the inner face of said face plate and a portion of the first-named waterproofing member to form the bottom and sides, respectively, of a groove, and a front wall having its lower edge disposed in said groove.

1,534,926. NEEDLE. JOHN E. DOBLE, Milo, Me. Filed July 16, 1923. Serial No. 651,864. 4 Claims. (Cl. 117—6.)



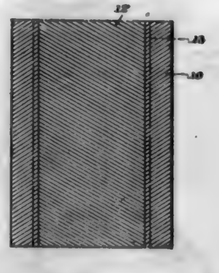
1. A needle comprising a shank threaded at one end, a pair of gripping jaws pivotally secured to the opposite end of the shank, a clamping sleeve movable longitudinally of the shank and engaging the gripping jaws to hold the latter in position, means threadedly engaging the shank and bearing upon the clamping sleeve, whereby the latter may be adjusted and a penetrating member at one end of the shank engaging means.

1,534,927. METHOD FOR TREATING HYDROCARBON OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to The Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Continuation of application Serial No. 206,206, filed Dec. 21, 1917. This application filed Oct. 20, 1922. Serial No. 595,743. 15 Claims. (Cl. 196—48.)



1. A process for cracking oil, comprising subjecting a stream of oil in a tube to a cracking temperature under a pressure exceeding atmospheric, in discharging the oil into an enlarged zone, in stepping down the pressure on the oil in said zone to a pressure substantially lower than the pressure maintained on the oil stream but above atmospheric, in subjecting generated vapors to reflux condensation, in returning reflux condensate to said enlarged zone, in introducing under an applied pressure reflux condensate and light unvaporized oil from the enlarged zone to said tube to pass in a stream therethrough, in withdrawing during the operation of the system heavy carbon containing residuum from the enlarged zone, and in supplying charging stock to the system during operation.

1,534,928. METHOD OF COATING AND ALLOYING METALS. JAMES J. DUGAN, Wilmington, Del. Filed Oct. 2, 1920. Serial No. 414,197. 1 Claim. (Cl. 22—203.)



The method of forming a metal ingot comprising a steel core having a casing of non-ferrous metal weld-united thereto, which comprises introducing into the mold, a casing composed of the non-ferrous metal in the form of a solid of predetermined thickness, and while this casing is initially at substantially atmospheric temperature, filling said casing with molten steel heated to a temperature of not substantially below 2800° F., by pouring the steel into said casing in the mold, to completely fuse a desired depth of the inner surface of the non-ferrous metal, and thereby causing the two metals to interpenetrate and weld together, and finally cooling product while regulating the speed of such cooling, to produce a weld portion of the desired thickness, while preventing iron from alloying with the external portions of the non-ferrous metal.

1,534,929. MANUFACTURE OF CHEWING GUM. HENRY V. DUNHAM, Mount Vernon, N. Y. Filed July 11, 1922. Serial No. 574,293. 4 Claims. (Cl. 99—16.)

1. A chewing gum containing hydrogenated oil of a melting point not substantially below 52° C., and rubber.

1,534,930. TREATMENT OF INDIA RUBBER FOR USE IN CHEWING GUM. HENRY V. DUNHAM, Mount Vernon, N. Y. Filed Dec. 29, 1922. Serial No. 609,750. 3 Claims. (Cl. 99—16.)

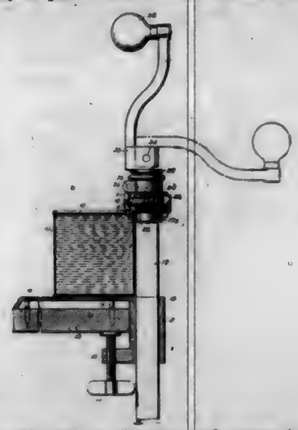
3. A process of making a chewing-gum ingredient from unvulcanized rubber which comprises heating the rubber with a saponifiable oleaginous material to a temperature above 100° C., and below 200° C., for several hours, thereafter saponifying at least a substantial part of such oil, fat or wax and washing the product.

1,534,931. PROCESS OF MAKING CHEWING-GUM BASE. HENRY V. DUNHAM, Mount Vernon, N. Y. Filed Jan. 16, 1923. Serial No. 613,044. 2 Claims. (Cl. 99—16.)

1. A process for preserving the masticatory properties of rubber gums high in resins by heating with about 5 to 10% of an oleaginous material, which is a product of life processes and not deleterious to health, at a temperature of about 115 to 130° C.

1,534,932. CAN-OPENING DEVICE. HENRY J. EDLUND, Burlington, Vt. Filed Dec. 19, 1922. Serial No. 607,849. 8 Claims. (Cl. 30—3.)

1. In a device of the character described, a support, a friction rotary member mounted on the support, a vertically movable blade positioned adjacent the periphery of the rotary member, means for moving the blade downwardly to puncture the head of a can at a distance



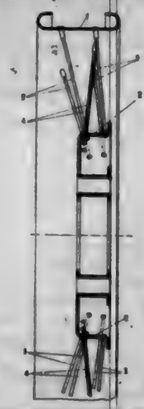
from the side wall of the can, and means to urge the blade toward said side wall and thereby force the can into engagement with the rotary member.

1,534,933. SINGLE-TOOTH WHEEL FOR COUNTING APPARATUS. HARRY EWALD and OTTO WERNECKE, Braunschweig, Germany, assignors to Grimme, Natalis & Co., Aktiengesellschaft, Braunschweig, Germany, a Corporation of Germany. Filed Oct. 29, 1924. Serial No. 746,597. 2 Claims. (Cl. 74—41.)



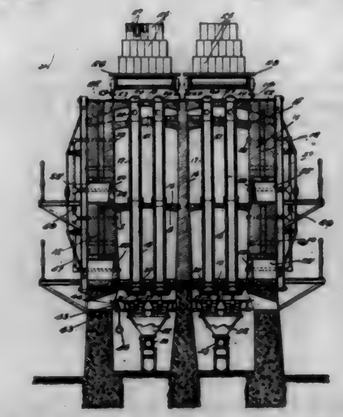
1. A single tooth wheel for counting mechanisms such as calculating machines, comprising a sleeve formed at corresponding parts of its end faces with notches, and a U-shaped member passed with its base portion through the bore of the sleeve and with its shank portions fitting in said notches, one of said shanks projecting beyond the outer circumference of the sleeve.

1,534,934. WIRE-SPOKE WHEEL. EDOARDO FERRARINO, Turin, Italy. Filed July 7, 1924. Serial No. 724,718. 4 Claims. (Cl. 301—56.)



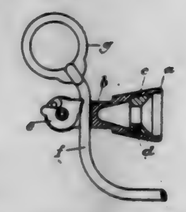
2. A wire spoke wheel comprising a rim member, a hub member having a smaller extension than said rim member in the wheel axis direction, and three rows of spokes interconnecting said hub and rim members, the distance in the wheel axis direction between the lines where said spokes are anchored on the rim being larger than the distance in the similar direction between the lines where said spokes are anchored on the hub.

1,534,935. VERTICAL-RETORT SMELTING FURNACE. FERDINAND FISCHTL, Cherryvale, Kans., and WILLIAM KAPPELLMANN, St. Francois, Mo. Filed Feb. 18, 1924. Serial No. 693,663. 5 Claims. (Cl. 263—38.)



1. In a smelting furnace, vertical retorts of sectional formation, one section being disposed above and forming a continuation of the other section and means for supporting said sections, said means including a horizontally disposed arch having openings therein of larger diameter than the outside diameter of the retorts and spacing elements between the retorts and walls of the openings to provide passages.

1,534,936. CONFINING AND RESTRAINING DEVICE. EUGÈNE EDMOND FISCHBACH, Hanoi, Tonkin, Indo-China. Filed Aug. 10, 1922. Serial No. 581,034. 8 Claims. (Cl. 70—24.)



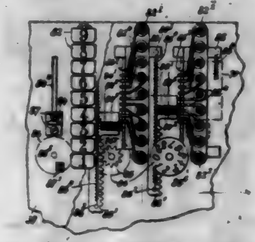
3. A manacle, comprising in combination a member having a punch-shaped portion, catch-springs carried by said punch-shaped portion, a fixed ring on the latter surrounding the intermediate portions of said springs, a member having a funnel-shaped portion to receive said punch-shaped portion, suitable lugs provided within said funnel-shaped portion and engageable by said catch-springs whereby the punch-shaped portion may be securely retained within said funnel-shaped portion, suitable apertures in said funnel-shaped portion, and a suitable device adapted to be inserted through said apertures to disengage the catch-springs if desired, an extension on each member, a flexible connection extending transversely through each extension, and means carried by each extension for preventing said flexible connection from moving in one direction, substantially as set forth.

1,534,937. LUMINOUS DEVICE. HAMILTON FOLEY, Pittsburgh, Pa., assignor to Radium Dial Company, Pittsburgh, Pa. Filed Jan. 24, 1920. Serial No. 353,788. 5 Claims. (Cl. 240—1.)



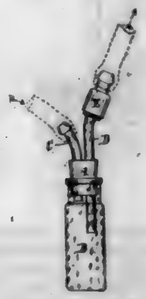
1. A luminous device comprising a tube having a lens integral with one end and an integral closure at the other end, said tube containing self-luminous material behind the lens.

1,534,938. KEYBOARD OF CALCULATING MACHINES. LOUIS FOURNIER and GÉRARD MANG, Paris, France; said Fournier assignor to said Mang. Original application filed Sept. 2, 1919, Serial No. 321,045. Divided and this application filed Nov. 25, 1921. Serial No. 517,614. 1 Claim. (Cl. 235—75.)



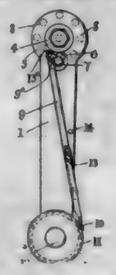
A key-board for mechanically operated calculating machines comprising a number of keys adapted to be depressed, a spur on each key extending over the key of the next lower numerical value and adapted to engage therewith when depressed, horns fitted on said keys and obstructing the passage of a sliding pinion when in the raised position and allowing it to pass when depressed.

1,534,939. MILK-SAMPLE-OBTAINING MEANS FOR USE IN VACUUM MILKING MACHINERY. JAMES WILFRED FUGE, Featherston, New Zealand, assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Filed Oct. 20, 1923. Serial No. 669,852. 1 Claim. (Cl. 31—58.)



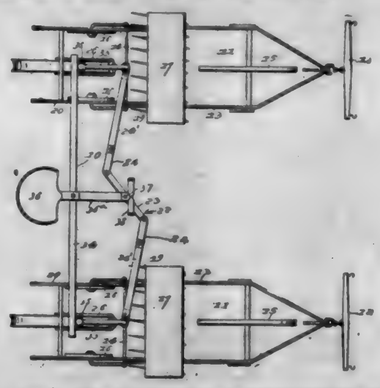
In a vacuum operated liquid measuring and dispensing installation, the combination of a transparent bottle for holding a sample of the liquid; a plug stopper hermetically sealing the mouth thereof and having two parallel vertical openings formed through it; a pair of tubes extending through said openings, one tube being fixed and emerging just beneath the stopper, and the other tube being movable endwise to vary the distance between its lower end and the bottom of the bottle; a pipe section, through which the liquid is supplied, connected to the outer end of the fixed tube to discharge the liquid into the bottle; and a second pipe section connected to the outer end of the movable tube and leading therefrom to a source of vacuum to withdraw the liquid from the bottle, whereby the adjusted position of the said lower end of the movable tube with relation to the bottle bottom will determine the point at which the vacuum is automatically interrupted and the quantity of liquid left in the bottle.

1,534,940. STARTING HANDLE FOR INTERNAL-COMBUSTION ENGINES. WILFRED GANNON London, England, assignor to WILFRED RICHARD TIDMARSH, London, England. Filed July 21, 1924. Serial No. 727,312. 1 Claim. (Cl. 123—185.)



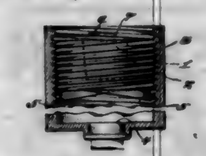
A starting handle for internal combustion engines, comprising a crank adapted to be freely mounted at one end on a crank shaft, a disc fixed to the crank shaft at one side of the crank and having a circular row of depressions in one side opposite the crank, a threaded pin mounted in the crank and adapted to seat at its inner end in said depressions one at a time, a radial arm carried on the other end of the pin, a connecting rod pivoted to the outer end of the radial arm and extending toward the other end of the crank, a handle rotatably mounted on the other end of the crank, a ratchet wheel carried by the handle, a ratchet mounted on the outer end of said rod to engage the ratchet wheel, and a spring conected betwen said rod and the crank for normally urging the rod to move in a direction to lock said pin in the adjacent depression in said disc, the backward turning of said handle being adapted to interlock the ratchet wheel and ratchet and draw said rod against the spring to release the pin.

1,534,941. GRAIN-DRILL ATTACHMENT. WILLIAM W. GINN, Imperial, Nebr. Filed Feb. 10, 1922. Serial No. 535,560. 1 Claim. (Cl. 111—54.)



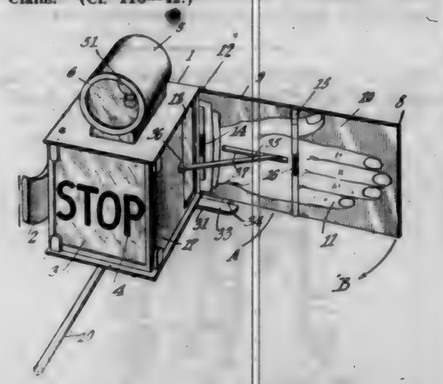
A drill coupling structure comprising uprights mounted upon the drills, supporting wheels castered to the uprights, crank arms pivoted at the upper ends of the uprights, a transverse bar pivotally connected with the crank arms, a seat standard mounted at the intermediate portion of the transverse bar, a link pivoted to the seat standard and outer links pivoted at their inner ends to the ends of the first mentioned link and pivoted at their outer ends to the uprights and crank arms.

1,534,942. GREASE-CUP PLUG. EDMUND F. GOBATTI, Pueblo, Colo. Filed Dec. 21, 1923. Serial No. 683,776. 1 Claim. (Cl. 184—48.)



The combination with a grease cup having internal threads and a central outlet opening in its bottom, of an exteriorly threaded plug within the cup and engaging the internal threads thereof, the flat bottom face of the plug having cam sector elements, which have adjacent shoulders, the sector elements being of a length along said shoulders shorter than the diameter of the plug, whereby the shoulders edgewise overlap through the center and across the diameter of said bottom face, said sector elements having their outer margins adjacent to and concentric with the threaded periphery of the plug and provided with uncurved bottom faces, the entire surfaces of which, from the diametrically opposite corners of the sectors at the remote ends of the shoulders, are inclined in directions parallel with the shoulders and toward and terminating into the bottom face of the plug, whereby as the plug reaches the bottom of the cup, the grease will smear toward and through said outlet opening.

1,534,943. VEHICLE SIGNAL. JOHN GONZALES, Tampa, Fla. Filed Feb. 13, 1924. Serial No. 692,566. 1 Claim. (Cl. 116—42.)



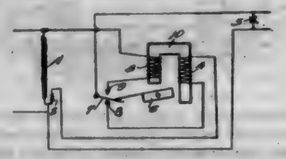
In a device of the class described, a casing having a signal which is visible when the casing is illuminated, a combined shield and sign including hingedly connected inner and outer members, the inner member being hinged to the casing and being adapted to extend along one side of the casing when the shield and sign is closed, and the outer member being adapted to cover the signal when the shield and sign is closed, spring means for swinging the shield and sign to a closed position with respect to the casing, and means for swinging the shield and sign to an open outstanding position with respect to the casing, the means for swinging the shield and sign to an open position embodying a radius arm mounted to swing on the casing, a lever connected with the radius arm and cooperating with the inner member of the shield and sign, the lever being fulcrumed on the casing, and a connection between the outer member of the shield and sign and the casing, the connection constituting means for swinging the outer member of the shield and sign to open position when the inner member of the shield and sign is swung to an open position.

1,534,944. SNAP. FREDERICK G. HAAGE, Clifton, N. J. Filed May 15, 1924. Serial No. 713,535. 2 Claims. (Cl. 24—77.)



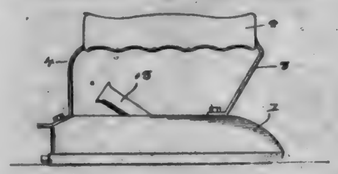
1. A snap for belts, bands and the like, comprising a base having a bar for receiving a strap, a pair of spaced resilient hook members, each of said hook members having a notch, and a co-acting movable part formed with openings through which said strap may be threaded, said part being of a width to fit snugly within said resilient hooks, said part also being formed with projections adapted to project into said notches whereby independent longitudinal movement cannot take place.

1,534,945. ELECTRIC RELAY. FOLKE BJOR LORENS HAIN, Malmo, Sweden. Filed Aug. 9, 1922. Serial No. 580,792. 2 Claims. (Cl. 175—320).



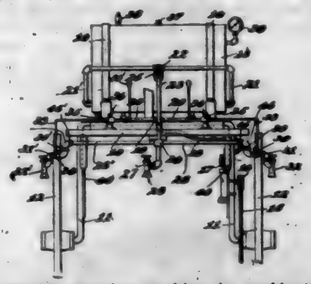
1. A system for electric circuit control comprising a relay provided with two windings, a main circuit and an auxiliary circuit, contact making means adapted to interpose the said windings alternatively between one pole of the supply circuit to be controlled and the one pole of the main line and the one pole of the auxiliary circuit respectively, connections between the other pole of the main line and of the auxiliary circuit respectively and the other pole of the supply circuit, and means for interrupting the said connections.

1,534,946. IRON. ROY F. HALL, Harrisburg, Ill. Filed July 31, 1922, Serial No. 578,746. Renewed Dec. 12, 1924. 1 Claim. (Cl. 219—25.)



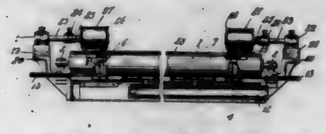
An iron of the class described comprising a body, a pair of heating elements in the body spaced apart, means for electrically connecting together the front ends of the elements, a terminal connected with the rear end of each element, a strip connected with the central part of one element and a terminal connected with said strip.

1,534,947. MACHINE FOR DESTROYING BOLL WEEVILS. LUDLOW B. HALLMAN, Dothan, Ala. Filed Oct. 8, 1923. Serial No. 667,390. 1 Claim. (Cl. 299—40.)



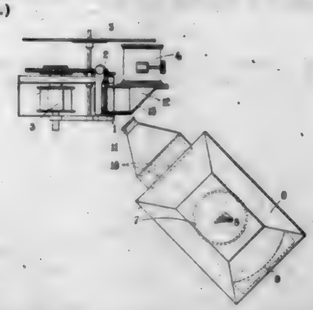
In a portable spraying machine, in combination, a vehicle frame, a liquid reservoir secured to the frame, a seat on said frame, a distributor pipe connected to the reservoir, branch pipes at the ends of said distributor pipe, a pair of swiveled connections between each branch pipe and the distributor pipe, levers connected to the branch pipes for swinging said branch pipes in horizontal and vertical directions, said levers having upwardly bent portions extending to points adjacent the seat.

1,534,948. FOURDRINIER TYPE OF PAPER-MAKING MACHINE. JAMES E. MCLAUGHLIN and JOSEPH OVIDE HAMEL, Grand'mere, Quebec, Canada. Filed Sept. 6, 1919, Serial No. 322,149. Renewed Sept. 27, 1924. 5 Claims. (Cl. 92—51.)



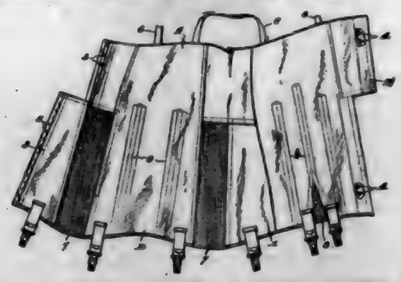
1. The combination with a Fourdrinier type of paper making machines having rollers and pulp screen, of a suction box, water sealing heads arranged adjacent the ends of said rollers, means for causing the screen to adhere to the top of the sealing heads for the extraction of water from the pulp and said heads adapted for hermetically sealing the spaces between said rollers.

1,534,949. CINEMATOGRAPHIC APPARATUS. MARTIN ALBERT JOHN HARPER, London, England. Filed Aug. 10, 1921. Serial No. 491,087. 3 Claims. (Cl. 88—24.)



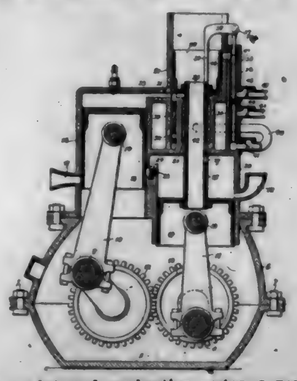
1. In a cinematographic apparatus of the character described, the combination with means for feeding an opaque film and a projecting lens, of an optical system embodying therein a lamp having a plurality of spaced filaments, a condenser, a bi-convex lens positioned at about the focal point of the condenser and between said condenser and the feeding means for the film the relative position of said bi-convex lens and said feeding means being such as to bring a film upon said means where it will not be at the image point of said lens, and a spherical reflector positioned with relation to said lamp on the side thereof opposite to said condenser and so adjusted as to reflect the image of the filaments of the lamp through the spaces between or about said filaments, whereby a uniform patch of light free from the image of said filaments is directed against the opaque film.

1,534,950. COMBINATION CORSET AND BRASSIÈRE. MAE HERNANDEZ, Brooklyn, N. Y. Filed Mar. 5, 1924. Serial No. 697,080. 1 Claim. (Cl. 2—30.)



A wrap around combination corset and brassière embodied in a one piece garment, the brassière being inextensible, and the line of juncture of the meeting ends thereof being at the axillary line and out of alinement with the meeting ends of the corset portion, said line of juncture extending from the top edge along the side edge to the waist line; then along the waist line, thence along the front portion to the lower end of the garment, said front portion being inelastic, a triangular gusset of elastic fabric inserted in the center of the lower front portion of the corset portion, and pendent stocking supporters attached to said inelastic portion adjacent the opposite side edges of the said triangular insert.

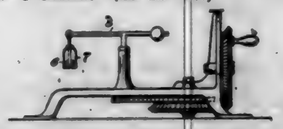
1,534,951. INTERNAL-COMBUSTION MOTOR. FERDINAND HIEMER, Plainfield, N. J. Filed Mar. 5, 1924. Serial No. 697,093. 5 Claims. (Cl. 123—69.)



2. In an internal combustion motor, a power cylinder, an air-compressing cylinder adjacent thereto and having communication therewith, a combustible-fuel-compressing cylinder adjacent the power cylinder and having communication therewith, a piston in each of said cylinders, means for driving the pistons in the compressed-air-cylinder and the compressed-fuel-cylinder simultaneously,

and means carried by the piston in the compressed fuel-cylinder for cutting off communication between the compressed fuel-cylinder and the power cylinder upon movement of the piston in the compressed-fuel-cylinder in one direction, said means comprising a member extending from said piston and having a plurality of ports therein adapted to alternately register with a passage leading to the power cylinder.

1,534,952. CASTING OF DENTURES IN METAL. HERBERT LESLIE HOBDAY and FREDERICK WM. NUNN, Melbourne, Victoria, Australia, assignors to Nunnday Proprietary Limited, Melbourne, Australia, an Australian Company. Filed July 24, 1923. Serial No. 653,531. 3 Claims. (Cl. 22—97.)



1. In the manufacture of metal dentures, a mould investment, a reducing cup for the metal arranged on and incorporated with the moulding investment, said cup having partial overhanging roof on one side and a flange depending from the inner edge of said roof, and also having means for conveying the molten metal from the cup to the mould.

1,533,953. ELECTRIC PAINT AND VARNISH SCRAPER. CHARLES J. HOHMAN, Rockaway Park, N. Y. Filed Oct. 31, 1923. Serial No. 672,012. 5 Claims. (Cl. 219—29.)



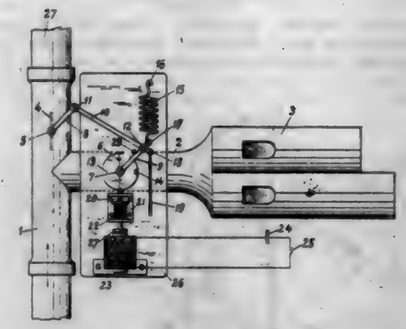
1. A paint and varnish scraper comprising a blade carrying a handle, and an electric heater pivotally supported from the blade in advance thereof and movable into a selected position.

1,534,954. GAFF HOOK. EMIL T. HOLTS, Shell Lake, Wis. Filed Oct. 4, 1923. Serial No. 666,583. 3 Claims. (Cl. 43—5.)



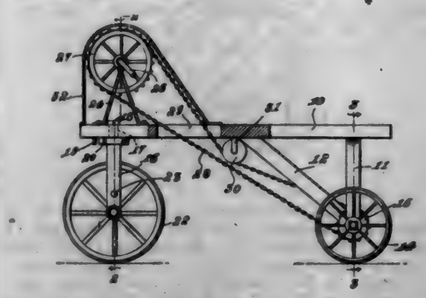
1. A device of the class described, comprising a main shank, a rod movable longitudinally thereof, a plurality of jaws, resilient devices for pivotally mounting the jaws and permitting them to swing toward and away from each other, and a combined spear and trigger connected with the rod and jaws and moving said jaws about their pivotal points, the ends of the jaw and spear being in opposed relation and approximately in alinement with the rod, when the jaws are closed.

1,534,955. ALARM DEVICE FOR AUTOMOBILES. HENRY HORAK and KAREL HOLOUBEK, New York, N. Y. Filed Dec. 5, 1921. Serial No. 519,956. 1 Claim. (Cl. 277—1.)



In a device of the class described, the combination with a gas exhaust pipe having a disk-shaped gate pivoted therein and a branch from said pipe having a similar gate pivoted therein, of a rocker arm connected with each gate for opening and closing the same, a lever operatively connected to each of said rocker arms, a spiral spring adapted to normally maintain the gate in the exhaust pipe in open position and the gate in the branch pipe in closed position, a disc secured to the shaft mounting the gate in the branch pipe, said disc formed with a notch therein, said disc and said gate in the branch pipe being disposed at right angles to each other, a plunger adapted to normally press against the periphery of said disc, flexible means for rocking said rocker arms against the action of said spiral spring to open the gate in said branch pipe and close the gate in said exhaust pipe, and simultaneously bring the notch in said disc into engagement with said plunger whereby said gates are held in adjusted position and electro-magnetic means for disengaging said plunger from the notch in said disc.

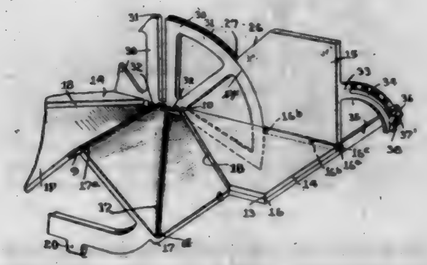
1,534,956. TOY VEHICLE. JOHN R. HUGHES, Hoboken, N. J. Filed July 23, 1924. Serial No. 727,787. 1 Claim. (Cl. 208—32.)



A device of the character described comprising a platform, a plurality of brackets depending from the rear ends thereof, an axle journaled through said brackets, ground engaging wheels on said axle, one wheel being fast and the other loose, a sprocket on the axle, a dirigible front wheel, brackets rising from the forward

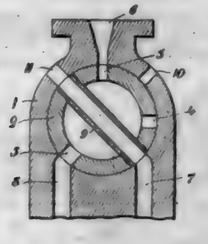
ends of the platform, a shaft journaled through the last named brackets and having hand cranks thereon, a sprocket on the shaft, a chain trained about both sprockets, the platform being formed with an opening for the accommodation of the chain, a guide roller depending from the platform and engaging the upper stretch of the chain, and a housing secured upon the top of the forward portion of the platform and enclosing the sprocket at the forward end and also enclosing that portion of the chain extending above the platform.

1,534,957. MITER MACHINE. ELMER D. HURLEY, Sweetwater, Tex. Filed May 29, 1924. Serial No. 716,749. 4 Claims. (Cl. 143—88.)



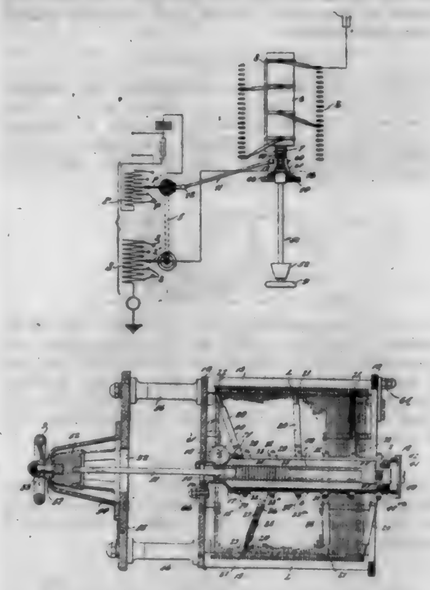
1. A miter machine including a frame, a work support comprising a main base and a sub-base adjustably mounted on the frame and one on the other respectively for adjusting the work universally to provide the work with miters constructed on one or more angles, and saw guides for guiding a saw blade, the sub-base being provided with V-shaped depressions one on each side of the fulcrum of the sub-base to afford means to make room for the cutting edge of a saw blade to permit the saw teeth to pass entirely through the work to be mitred.

1,534,958. MULTIPLE-PATH DEVICE. GUSTAF HJALMAR HUSS, Stockholm, Sweden, assignor to Bergsunds Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Filed Nov. 10, 1921. Serial No. 514,884. 1 Claim. (Cl. 251—104.)



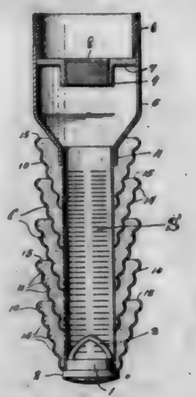
A multiple-way device having a cock adapted to be rotated within a casing, the said cock consisting of a hollow sleeve forming the inlet passage of the cock and adapted to be brought into communication with separate passages in the casing of the cock, through openings provided in the wall of the said sleeve, while the outlet passage of the cock is formed by a pipe extending preferably diametrically through the hollow of the cock, the two open ends of the said pipe being also adapted alternately to be brought into communication with separate passages in the casing of the cock when the cock is rotated.

1,534,959. ELECTRICAL COIL APPARATUS. LESTER L. ISRAEL, now by judicial change of name Lester L. Jones, Oradell, N. J., assignor to Emil J. Simon, New York, N. Y. Filed Aug. 5, 1919, Serial No. 315,886. Renewed Apr. 13, 1922. 11 Claims. (Cl. 201—48.)



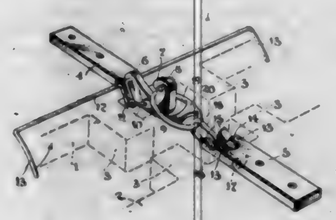
1. Electrical-coil adjustment apparatus, comprising a coil, a plurality of movable contacts engaging the coil at different points, a controlling device for adjusting said contacts, and means for electrically connecting the controlling device with the contacts selectively.

1,534,960. WELL STRAINER. ELI JONES, Lexington, Tenn. Filed Nov. 26, 1924. Serial No. 752,425. 9 Claims. (Cl. 166—5.)



1. In combination with a tubular slitted well strainer, cups mounted on the strainer and surrounding the slitted portion thereof, an upper cup extending within the adjacent lower cup, said cups being adapted to hold a filtering medium, the wall of each of the cups being perforated.

1,534,961. AUTOMATIC CAR COUPLER. JOHN WILL JONES, Clifford, Ill. Filed Oct. 15, 1923. Serial No. 668,728. 2 Claims. (Cl. 213—178.)

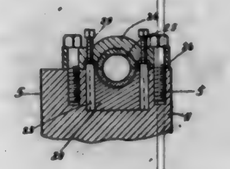


1. In a car coupling, a supporting member having an upwardly opening seat, and adapted to be attached to a car body, a main link initially resting at the lower end in said seat and adapted to bear at the other end against the car body, a coupling link engaging said main link and adapted to be connected to said car body, said main link adapted to be displaced by the concussion with another car and engage over a hook on said other car.

1,534,962. BRIQUETTE OF CHARCOAL AND PIT-COAL. ERMINIO JOSUÈ, Ancona, Italy, assignor to himself and Lorenzo Violini, Falconara Marittima, Italy. Filed Sept, 24, 1924. Serial No. 739,710. 1 Claim. (Cl. 14—16.)

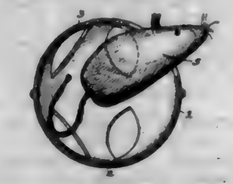
A pressed briquette to light rapidly the fire of furnaces, forges, stoves, ovens, fire-boxes and so on consisting of charcoal 50 parts, pitcoal 50 parts, potassium chlorate 20 parts, gum arabic 35 parts, pitch 15 parts, the two qualities of coal being first reduced into impalpable powder then mixed with a waterlike solution of potassium chlorate and gum arabic in the proportions indicated the mass being mixed with the pitch liquified, the paste thus obtained being reduced into powder again, moulded, compressed under a pressure of several atmospheres and dried again.

1,534,963. RENEWABLE BEARING. CARROLL B. JUDD, Zanesville, Ohio. Filed May 17, 1924. Serial No. 714,115. 1 claim. (Cl. 64—16.)



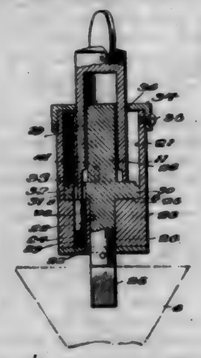
In combination with a support having keyways, of a two part removable bearing, one part being fitted into the support and having keyways opening into the keyways of the support, keys partly fitted in each of the adjacent keyways, a cap constituting the other part of the bearing and adapted to repose upon the support, said keys having corresponding extremities projecting beyond the support for the purpose specified, the underside of said cap having pockets to receive the projecting extremities of said keys, and adjusting elements carried by the cap and adapted to pass through said pockets to engage and hold said keys in position for use.

1,534,964. ANIMAL TOY. SIDNEY B. KAMINSKILER, New York, N. Y. Filed Jan. 18, 1923. Serial No. 613,458. 2 Claims. (Cl. 46—40.)



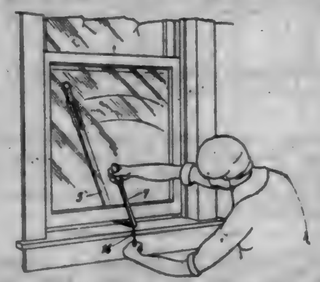
1. A toy, comprising a spherical hollow ball, a catnip-scented figure of a mouse unconnected with and freely movable within the ball, and said ball having openings therein sufficiently large to permit a portion of the figure to project therethrough.

1,534,965. LOCK FOR VALVES. HENRY C. KEELER, Retsil, Wash. Filed Apr. 27, 1920. Serial No. 376,950. 10 Claims. (Cl. 70—47.)



1. A lock of the character described, comprising a casing, a rotary controlling member therein and extending through the lower end of the casing, a flange carried by said member and having a series of openings therethrough, spring pressed tumblers carried by the casing and entering the openings from below, and a key having projections entering the openings from the upper side and forcing the tumblers from within the openings in the rotating member and said key having interlocking connection with the rotating member for rotating the same.

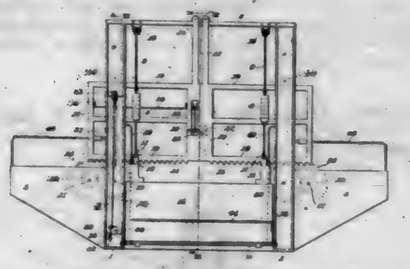
1,534,966. WINDOW CLEANER. THOMAS JOSEPH KILPEATHER, Brooklyn, N. Y. Filed Feb. 29, 1924. Serial No. 696,023. 1 Claim. (Cl. 15—251.)



A window cleaning device of the class described comprising a vertical standard, an operating arm connected to the lower end of the standard and at right angles thereto, a block slidable on the standard, a hinged

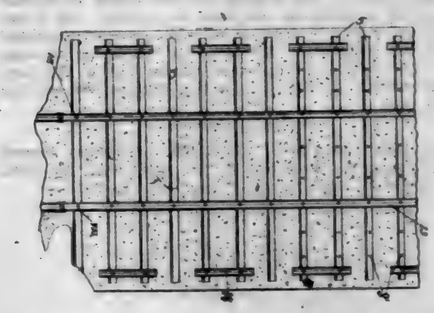
wiping element carried by the block, said block having opposed inner grooves, pulley wheels at the top and bottom of the standard, a cord connected at one end to the block and trained over said pulley wheels and through the grooves, the opposite end of the cord extending below the operating arm whereby the block may be raised or lowered during the swinging movement of the operating arm.

1,534,967. AUTOMATIC GATE. HARRY KUSYK and FRED MANDZUK, Smoky Lake, Alberta, Canada, assignors of one-half to Petro Stacharuk, Smoky Lake, Alberta, Canada. Filed Dec. 28, 1923. Serial No. 683,118. 1 Claim. (Cl. 39—18.)



In an automatic gate, a frame structure, horizontally sliding gates supported on the frame structure, a vertically shiftable bar disposed beneath the gates, platforms respectively hinged at their inner ends to opposite sides of the bar, means for holding the gates in closed abutting relations with the bar in an elevated position, operative connections between the bar and gates causing opening movement of the gates when the raised ends of the platforms are lowered, the operative connections between the bars and gates including a vertical rack bar carried by each end of the bar, rack teeth upon the lower edge of each gate and meshing gears interposed between the rack bars and rack teeth.

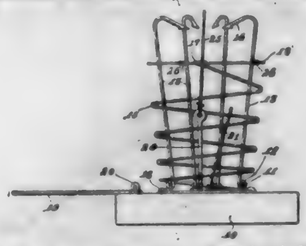
1,534,968. CEMENT REENFORCEMENT. RAYMOND LARSON, De Kalb, Ill. Filed Aug. 28, 1922. Serial No. 584,853. 1 Claim. (Cl. 72—110.)



A concrete reenforcement comprising U-shaped channel irons, long sections of V-shaped angle irons secured near the center of said U-shaped channel irons, and short V-shaped members secured near the outer end of said U-shaped channel irons.

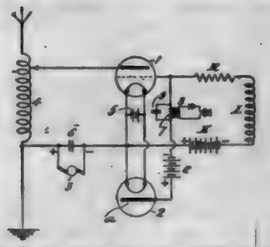
1,534,969. FISHHOOK. STEPHEN A. LAWRENCE, Okmulgee, Okla. Filed Nov. 7, 1923. Serial No. 673,354. 3 Claims. (Cl. 43—34.)

1. A fish catcher comprising a base, a suspension element connected therewith, a plurality of arms pivoted upon the base in radial arrangement and terminating in hooks, a spring secured upon the base outwardly of the arms, a ring at the top of the spring likewise disposed outwardly of the arms, a rod engageable over said



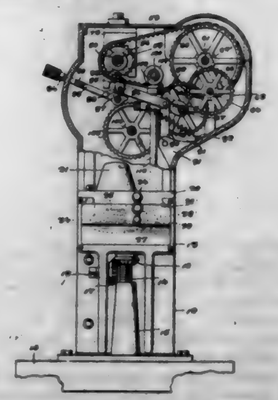
ring when the spring is compressed, and a bait carrying trigger pivoted on the base and having a projection engaging over said rod.

1,534,970. PRODUCTION OF ELECTRICAL OSCILLATIONS BY MEANS OF THERMIONIC VALVES. NORMAN LEA, London, England. Filed May 10, 1921. Serial No. 468,460. 1 Claim. (Cl. 179—171.)



Wireless modulation system comprising a self-oscillating three-electrode valve and a two-electrode valve connected across the grid and filament thereof, means for applying a fixed negative potential to the anode of the said two-electrode valve, means for applying modulating potentials to the said anode, a resistance connected in series with the two-electrode valve and means for producing high frequency potentials across said resistance opposing those normally applied to the grid of the three-electrode valve to produce self-oscillation.

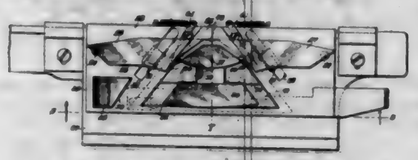
1,534,971. MACHINE FOR ROUNDING GEAR TEETH. THOMAS WILLIAM LEE, Batavia, Ohio. Filed Mar. 27, 1922. Serial No. 547,070. 22 Claims. (Cl. 90—15.)



1. In a machine of the class described, a continuously rotating arbor for mounting a gear wheel, a shaping tool, means for mounting and rotating the tool, and

means for imparting movement to the tool in a direction perpendicular to its main axis and permitting return movement by gravity.

1,534,972. NEEDLE-OPERATING MECHANISM FOR KNITTING MACHINES. ADOLPH LEVITON and WILLIAM KAPLAN, Brooklyn, N. Y. Filed Jan. 21, 1925. Serial No. 3,848. 3 Claims. (Cl. 66—28.)



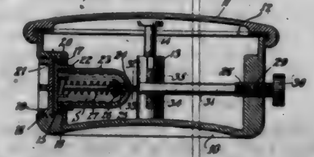
1. In a flat knitting machine of the character described, a set of needles, a set of jacks co-operable with the needles, a single lock assembly adjustable for both plain and fancy stitching and including a needle lock having an upper section always operable on the operating needles when knitting and also having shiftable lower sections positionable to constitute a part of the needle lock when plain stitching is being effected and shiftable to an inoperative position and out of the path of the needles to provide a clearance to permit certain of the needles to idle when fancy stitching is effected, a shiftable jack lock shiftable to an operative position when fancy stitching is effected and shiftable to an inoperative position when plain stitching is being effected, and Jacquard mechanism for elevating the selected jacks sufficiently to permit the selected jacks to engage the jack lock when the jack lock is in an operative position.

1,534,973. NEEDLE-OPERATING MECHANISM. ADOLPH LEVITON and WILLIAM KAPLAN, Brooklyn, N. Y. Filed Mar. 13, 1925. Serial No. 15,372. 4 Claims. (Cl. 66—28.)



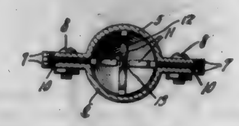
1. In a needle operating mechanism for flat knitting machines, a set of needles, a needle lock including an up-throw cam having a lower section having a top or upper part and a retractible bottom part, the bottom part completing the needle lock to effect plain stitching, the bottom part being retracted to provide the clearance for the idle needles when fancy stitching is effected, a set of jacks cooperable with the needle, and Jacquard mechanism for elevating the jacks to such an extent as to cause the needles to be operated upon by the top part of the lower section and by the upper section of the needle lock when fancy knitting is effected.

1,534,974. MASSAGE DEVICE. JOHN OLOF LINDEN, Chicago, Ill. Filed Nov. 20, 1923. Serial No. 675,894. 2 Claims. (Cl. 128—62.)



2. A massage device comprising a hollow body having an open end, a gasketed cover fitted thereover, said receptacle having diametrically disposed openings in the side walls, a container partially insertable in one of the openings, means for sealing the container in place in said opening, an expansible substance in said container adapted upon release into the receptacle to change the temperature of said receptacle, an element extending through the other opening and axially movable therethrough, said element being operable from the exterior for releasing the contents of the container into the interior of the receptacle.

1,534,975. CUE-TIP SCRAPER. VICTOR E. LINDFORS, Butte, Mont. Filed Apr. 18, 1921. Serial No. 462,305. 2 Claims. (Cl. 145—27.)



1. In a device of the character described, an elongated tubular body portion comprising longitudinal separable sections, each of the sections having flanges formed with openings, the flanges adapted to be brought into engagement with each other, to accommodate bolts extending through the openings, a member having cutting edges formed on opposite sides thereof, said member having lateral extensions disposed between the flanges of the body portion to removably secure the member within the body portion, and said body portion adapted to be positioned over the end of a cue to trim the tip thereof.

1,534,976. CHAIN COUPLING. CHARLES A. LONGMAN, Logan, Iowa. Filed Oct. 27, 1924. Serial No. 746,154. 2 Claims. (Cl. 24—241.)

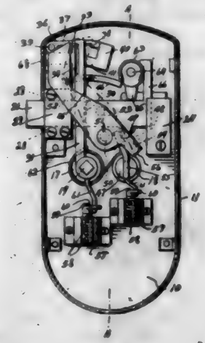


1. A chain coupling comprising a body of U-shape in cross-section having a head and a recess in said head, a member pivotally connected in and to the heel portion of the body and adapted to have its outer portion permanently connected to one end of a chain and having a finger on its inner portion at one of its edges, and a lever member pivotally connected in the head portion of the body and having a reduced free end portion arranged to rest within and against said finger, and also having a T-shaped recess in its inner edge and a lateral flange on its outer edge.

1,534,977. COIN-OPERATED DOORLOCK. ARTHUR W. McCORD and SHERMAN W. FRAZIER, Washington, D. C. Filed Mar. 26, 1921. Serial No. 455,803. 7 Claims. (Cl. 194—65.)

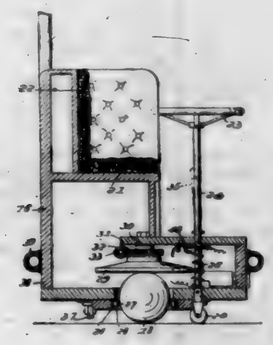
1. A coin operated lock, a normally projected bolt, a knob spindle oscillatable in one direction to cause the retraction of the bolt but oscillatable in the reverse direction independent of the bolt, means normally preventing the retraction of the bolt and the rotation of the knob spindle but shiftable to permit the retraction of the bolt upon the shifting of the knob spindle upon the deposit of a coin and including a coin guide having a coin slot, a second knob spindle projecting in an opposite direction from and independent of the first knob spindle and rotatable in one direction to retract the bolt, a coin slot shield movable over the coin slot upon an oscillation of the first named knob spindle to

retract the bolt, means holding the shield in this position while the coin operated means, the guide, the spindle, and the bolt return to their initial position,



and means on the second named knob spindle engaging the shield and shifting it to its initial inoperative position upon an actuation of the second named knob spindle to retract the bolt.

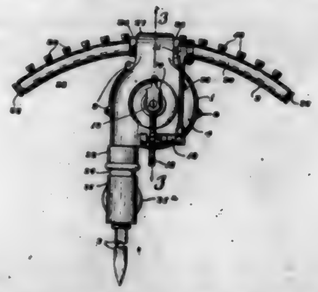
1,534,978. AMUSEMENT APPARATUS. SAMUEL A. DE WALTOFF and LEMOY H. MCDANIEL, Hartford, Conn., assignors to Shimmie Auto Co., Inc., a Corporation of Connecticut. Filed Nov. 24, 1920. Serial No. 426,231. 9 Claims. (Cl. 180—2.)



1. A vehicle provided with a single globular traction element disposed at a point to support the bulk of the weight of the vehicle, said element being power driven and having an uncontrolled axis of rotation.

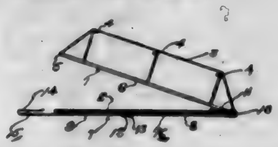
1,534,979. LAWN SPRINKLER. JOSEPH WHITE MCGEE, Mantua, N. J., assignor to Malcolm C. Ludlam, Woodbury, N. J. Filed Jan. 3, 1922. Serial No. 526,782. 1 Claim. (Cl. 299—69.)

A lawn sprinkler of the character described comprising a casing, a water wheel carried by said casing and rotatable about a horizontal axis, an arcuate nozzle rockably carried by said casing and adapted to receive water discharged from said water wheel, said nozzle mounted for rocking movement about an axis transversely of the axis of the water wheel, a T-coupling connected to said casing and having a horizontal water inlet therein, a sharpened supporting pin depending



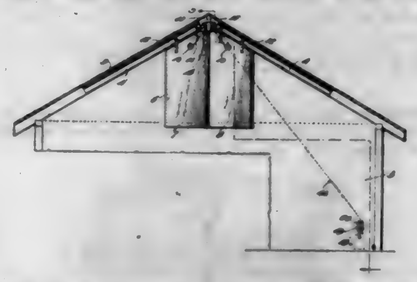
from said T-coupling for supporting said lawn sprinkler in an upright position, and means operable by rotation of said water wheel for rocking said nozzle.

1,534,980. FLY-PAPER HOLDER. EDWARD MCGOUGH, Columbus, Ohio. Filed Sept. 29, 1924. Serial No. 740,640. 1 Claim. (Cl. 43—115.)



In a fly-paper holder, the combination with a frame including side bars, of clamps consisting of rods having their inner ends slidably connected for longitudinal adjustment, the outer ends of said rods being provided, respectively, with coils and loops, the former being permanently and pivotally connected to the side bars and the latter being slidably and detachably engaged with said bars to permit disengagement thereof from the said bars, said loops and coils having associated therewith resilient fingers for yieldably engaging a sheet of fly-paper to hold the same within the confines of the frame, said frame being adapted to swing independently of the clamps when the loops are disengaged from the bars, as and for the purpose set forth.

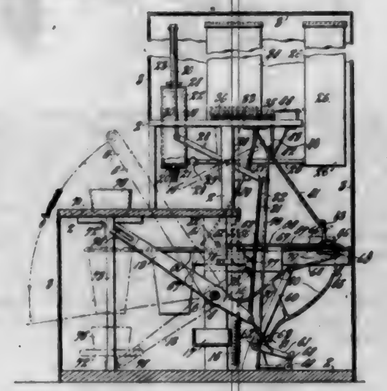
1,534,981. DOOR-CONTROLLING DEVICE. MERLE MELVIN MCKINNEY, Lawrence, Kans. Filed Mar. 24, 1924. Serial No. 701,499. 1 Claim. (Cl. 268—8.)



The combination with a building structure having sloping roof sides leading to a ridge beam at the roof peak, and having a doorway in one of the sides thereof intersecting the roof peak, of guide pulleys carried by the ridge beam, trackways mounted on the sloping roof

sides, oppositely movable door sections provided with carriages to travel on said trackways, said door sections being movable by gravity to open position, a supporting pulley on the ridge beam, a guide pulley on each door section, a rope or cable fixed at one end to the ridge beam passing around the guide pulley on one of the door sections and over the guide pulleys on the ridge beam, and thence around the guide pulley on the other door section and the supporting pulley on the ridge beam, and a windlass to which the free end of said rope or cable is connected.

1,534,982. SOFT-DRINK-VENDING MACHINE. JAMES H. MCLELLAN, Vancouver, British Columbia, Canada. Filed June 20, 1923. Serial No. 648,532. 10 Claims. (Cl. 226—19.)

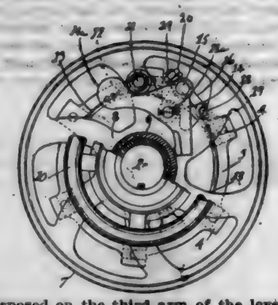


1. A soft drink vending machine, comprising the combination with a suitable casing of a liquid supply reservoir, a cup containing magazine, and means operative from without the casing for withdrawing a cup from the magazine, for delivering a measured quantity of liquid from the reservoir into the cup, and for delivering the filled cup through a closable opening to without the casing.

10. In a liquid vending machine, a casing having a delivery aperture, means normally closing said delivery aperture, a measuring cylinder with piston for receiving charges of liquid to be dispensed, a paper cup magazine, an operating lever, mechanism operated by said lever when moved in one direction for simultaneously operating said piston to express a charge of liquid into a previously positioned cup beneath the same, uncover said delivery apperture of the casing and upon further movement in said one direction move the filled cup from beneath the measuring cylinder into position beneath the delivery aperture, and mechanism for restoring said lever to its initial position and simultaneously elevating the filled cup through said delivery aperture and moving said piston to recharge the cylinder and place another cup in position beneath the cylinder substantially as specified.

1,534,983. FRICTION-CLUTCH PULLEY. VINCENT E. MCMULLEN and WAYLAND E. WOODRUFF, Evansville, Ind., assignors to The Hercules Gas Engine Company, Evansville, Ind., a Corporation of Indiana. Filed Aug. 13, 1921. Serial No. 491,890. 1 Claim. (Cl. 192—80.)

In a friction clutch in combination with a fly wheel on a rotatable shaft, a spider mounted on said fly wheel, hub portions on the spider, a pulley loosely mounted on one hub portion, and an open friction band retained on one end by the pulley, said band adapted to engage the other hub portion, a three armed triangle shaped lever pivotally mounted on the pulley, one arm of said lever retaining a bolt, said bolt retaining the other end of the friction band, lock nuts for the bolt for adjusting the band, and a sleeve slidable on said pulley to engage another arm of the lever to tighten the band, and a



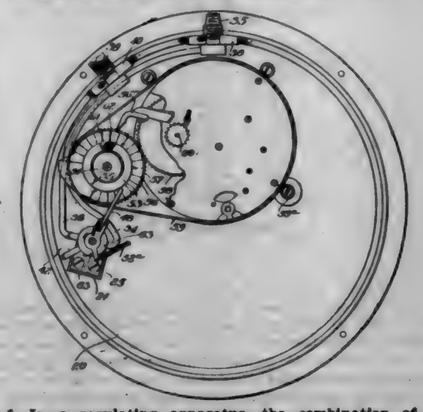
weight disposed on the third arm of the lever for loosening said band coincident with the withdrawal of the slidable sleeve from engagement.

1,534,984. SELF-CLOSING VALVE. WILLIAM W. MACDONALD, Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Mar. 17, 1924. Serial No. 699,820. 9 Claims. (Cl. 278—65.)



6. In combination with a foot ball bladder or air containing member having an opening, a washer secured on the outer side of the bladder, a larger washer secured to the one first mentioned, a washer secured to the inner side of the bladder, a sheet of elastic material secured to the said inner washer at opposite points, and free from attachment at other points, a washer secured to the inner side of said sheet material, said sheet forming a valve which under pressure of the air within the bladder will distend into the opening of the bladder and the washers lying on the outer side of said sheet, substantially as described.

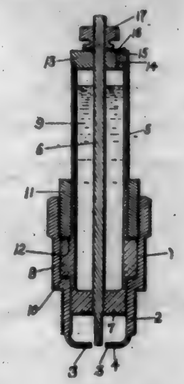
1,534,985. TIME-CONTROLLED VALVE-OPERATING MEANS. EDWARD S. MARSH, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed July 12, 1920. Serial No. 395,619. 8 Claims. (Cl. 161—7.)



1. In a regulating apparatus, the combination of a regulating element, a part connected with the element and movable to move the same, said part having also a

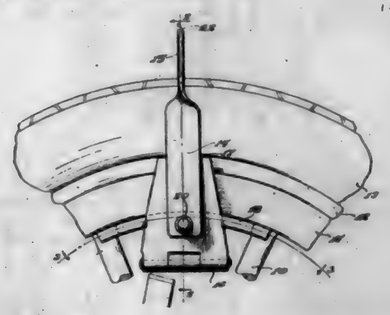
second movement independent of movement of the element, means for effecting said first movement of said part, a cam for engagement with said part to normally restrain said first movement having a portion formed to release said part for movement of the element and also a portion inclined to the direction of movement of the cam to effect said second movement of said part to release said part from the cam, and a time mechanism for driving the cam.

1,534,986. SPARK PLUG. GIUSEPPE NATOLI, New York, N. Y. Filed Mar. 1, 1924. Serial No. 696,287. 2 Claims. (Cl. 123—169.)



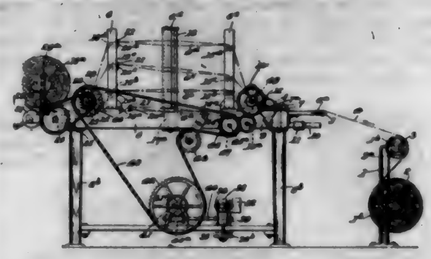
1. A spark plug comprising a shell; a core in said shell having a long receptacle therein; a retaining nut for securing said core in said shell; an electrode secured in said core and extending vertically through said receptacle; a closure for said core having a vent therein; a valve for said vent; and means in said receptacle for cooling said electrode, said valve allowing the escape of the cooling medium under excessive heating.

1,534,987. WHEEL ATTACHMENT FOR MOTOR VEHICLES. JIM N. A. O'REAR, Attalla, Ala., assignor of one-third to Lilius Bratton Rainey, Gadsden, Ala. Filed Jan. 11, 1924. Serial No. 685,620. 6 Claims. (Cl. 301—44.)



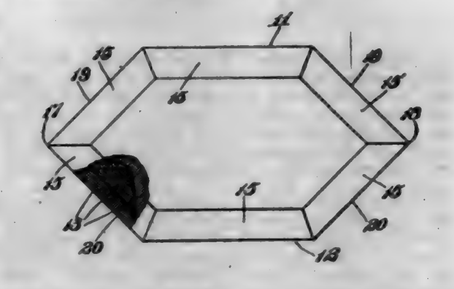
2. A wheel attachment of the class described comprising a pair of hinged shanks terminating with flattened blades at their free ends, means for clamping the shanks to the wheel, said means including opposing gripping ledges on said shanks adapted to engage with the wheel rim, and circumferentially extending arms having abutments adapted to engage with the inner periphery of the wheel felly.

1,534,988. FLAP CUTTING AND BUILDING MACHINE. JOSEPH E. PERRAULT, Watertown, Mass., assignor to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed June 26, 1922. Serial No. 570,813. 8 Claims. (Cl. 154—35.)



1. In apparatus of the class described, slitting means for slitting a traveling sheet into strips, spaced guides disposed at different elevations in planes parallel to the plane of the sheet for receiving the strips from said slitting means, spaced guides disposed in planes at right angles to said first named guides and arranged to receive the strips therefrom and bring them into alignment, and means for assembling said aligned strips in superposed relation.

1,534,989. TIRE BOOT. RAY LELAND PEUGH, Oklahoma City, Okla. Filed Nov. 20, 1924. Serial No. 751,170. 6 Claims. (Cl. 152—24.)



5. An internal tire boot comprising a body formed from a plurality of layers of cord material, said layers having the cords thereof extending alternately in directions at right angles to one another, the body being transversely and longitudinally curved to conform to the transverse and longitudinal curvature of the tire with which it is to coact and having each end edge thereof in two diagonal sections converging to a point, that side of the body adapted to confront the inner wall of the tire being skived to produce tapering edges and being completely covered with an adhesive whereby to attach it to the tire.

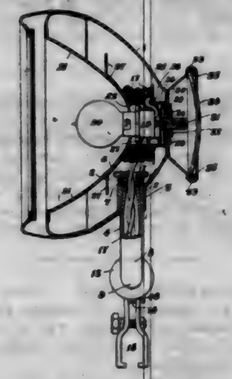
1,534,990. SHEET-METAL PIPE SECTION. LESLIE E. PATTCHARD, Niles, Ohio. Filed Oct. 9, 1924. Serial No. 742,653. 1 Claim. (Cl. 126—309.)

A pipe section comprising a transversely curved metal sheet bent at one edge to provide a relatively narrow and deep channel adapted to receive the other edge of the sheet, the side-connecting portion of the channel having a longitudinal slot, leaving a portion of one side of said channel free for lateral yielding between the ends of the slot; said other edge of the sheet being provided with a projecting tongue for passage through said slot, said tongue having a laterally stamped longitudinal rib spaced inwardly from its longitudinal edges, the inner end of said rib forming an abrupt shoulder to abut the inner edge of said laterally yieldable portion of said one channel side when the tongue is within the slot, said rib and



tongue diverging from the outer end of said tongue to said shoulder to form a wedge for laterally springing the intermediate part of said yieldable channel side portion when said tongue is forced through said slot.

1,534,991. VEHICLE LAMP. ALFRED REEVES, Birmingham, England, assignor of one-half to George Herbert Cuming Butler, Birmingham, England. Filed July 5, 1922. Serial No. 572,827. 2 Claims. (Cl. 240—7.)

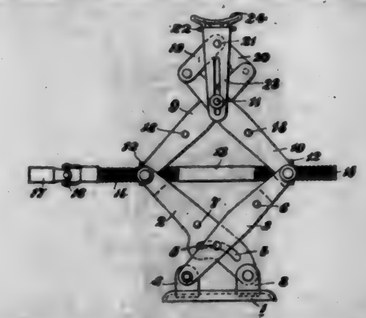


1. A lamp casing having an opening in its rear side, a drum in said casing having a central sleeve extending through and arranged for rotation in said opening, a bulb socket in said sleeve having a bolt extending rearwardly therefrom, a spring active to move said bulb socket forwardly, a rotatable disk arranged externally on the rear side of the casing, secured to said sleeve and having an opening through which said bolt extends, and a nut threaded on said bolt and bearing against said disk and coacting with said spring to hold said socket.

1,534,992. LIFTING JACK. ALFRED REEVES, Birmingham, England, assignor of one-half to George Herbert Cuming Butler, Birmingham, England. Filed Aug. 9, 1922. Serial No. 580,713. 1 Claim. (Cl. 254—122.)

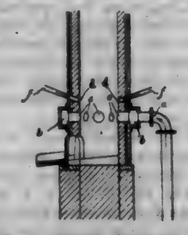
In a lifting jack, a base element, lazy tongs having links pivotally mounted at their lower ends on said base element, a series of links of progressively diminishing length, the lower pair of which are pivotally connected to the upper ends of the first named links, a horizontal operating rod having oppositely threaded portions engaging the pivot portions of the major links, a platform on

the upper portion of the lazy tongs having downwardly extending arms pivotally connected thereto, one of said arms having a vertical slot and the lazy tongs having a



connecting pivot pin which operates in said slot, and a bearing plate rotatably mounted on the platform and having a vertical pivot axis.

1,534,993. PROCESS AND APPARATUS FOR OPERATING FURNACES. ADOLF REINSHAGEN, Niederau, near Duren, Germany. Filed Aug. 9, 1922. Serial No. 580,730. 3 Claims. (Cl. 266—29.)



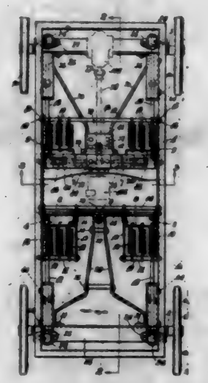
1. The method of working furnaces, which consists in introducing water in liquid state separately from the air blast and insuring that the water reach the smelting zone of the furnace only in such liquid state, and submitting it to the action of the blast only upon its entry into the furnace.

1,534,994. METHOD AND MEANS TO INDICATE THE THEFT OF AUTOMOBILES AND THE LIKE. OLIVER L. SCROGGINS, Pittsburgh, Pa. Filed June 5, 1924. Serial No. 717,988. 2 Claims. (Cl. 40—22.)



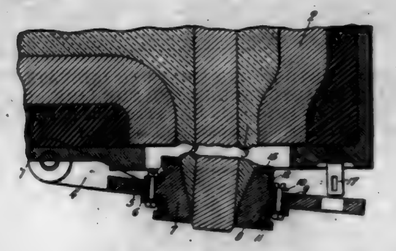
1. In a device adapted to indicate the theft of a vehicle, the combination of a pair of license-plates mounted rearwardly of said vehicle and bearing identical license-numbers; common supports for the said license-plates; one of said plates being permanently secured to said supports and the other plate being hingedly connected to said stationary license-plate in a manner to permit a part of the reverse side of said hinged plate to extend above said stationary plate when in folded position; a padlock to secure said hinged plate in folded position; means to support said padlock in horizontal position and adapted to prevent the rattling thereof, and a warning notice positioned on the reverse side of said hinged plate extending above said stationary license-plate.

1,534,995. SPRING SUSPENSION SYSTEM FOR VEHICLES. CONRAD THURSTONE, Pittsburgh, Pa. Filed Feb. 15, 1923. Serial No. 619,208. 4 Claims. (Cl. 267—15.)



1. In a vehicle, the combination of bell-crank levers having long and short arms; resilient means for normally holding said long arms in a substantially horizontal position; axles supported on the free ends of said long arms; transversely disposed resilient means for absorbing the lateral swaying movements of the superstructure of said vehicle, and fluid means for regulating the rocking movements of said bell-crank levers.

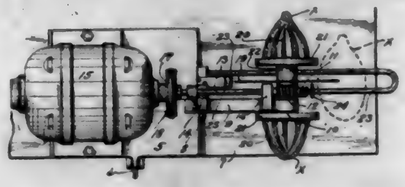
1,534,996. INTERCHANGEABLE SPOUT-APERTURE BUSHING AND METHOD OF APPLYING THE SAME. OLIVER M. TUCKER and WILLIAM A. REEVES, Columbus, Ohio. Original application filed Sept. 23, 1918, Serial No. 255,349. Divided and this application filed Nov. 11, 1924. Serial No. 749,317. 8 Claims. (Cl. 49—14.)



1. The method of applying and removing bushings for spout apertures which comprises interposing a sealing element between the bushing and the spout aperture when applying the bushing; and in removal, inserting a readily breakable core into the bushing and the glass thereabove, and breaking off both the bushing and the core after the glass adjacent the bushing is cold.

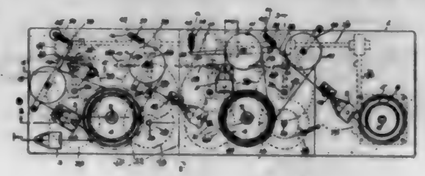
1,534,997. FRUIT CUTTER AND JUICE EXTRACTOR. CARL J. ULRICH, Mankato, Minn. Filed Sept. 24, 1923. Serial No. 664,445. 4 Claims. (Cl. 146—3.)

1. The combination with a base having a standard provided with a horizontal arm projecting away from the base, of a motor on the base, a horizontal shaft journaled on and transversely of the arm, connections for



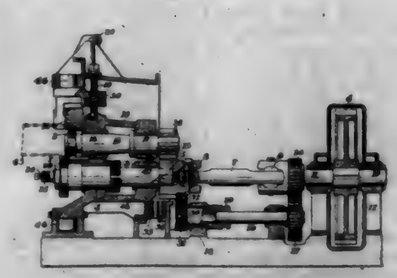
driving the shaft from the motor, and a tool on the shaft arranged for action on fruit held thereagainst.

1,534,998. WIRE-DRAWING MECHANISM. CALVIN W. VAUGHN, Cuyahoga Falls, Ohio, assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio, a Corporation of Ohio. Filed June 20, 1921. Serial No. 478,852. 10 Claims. (Cl. 205—14.)



1. In mechanism of the character described, the combination with a plurality of dies, of a corresponding number of drawing drums therefor, superposed in pairs, concentrically journaled shafts carrying said drums, respectively, and independent driving means for said shafts, said means being automatically adjustable to rotate said drums at rates proportioned to the speed at which the wire is drawn through the preceding die.

1,534,999. SHEARING DEVICE. HARRY C. WATSON, Pittsburgh, Pa., assignor to Keystone Machine & Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 17, 1921. Serial No. 523,168. 7 Claims. (Cl. 164—60.)



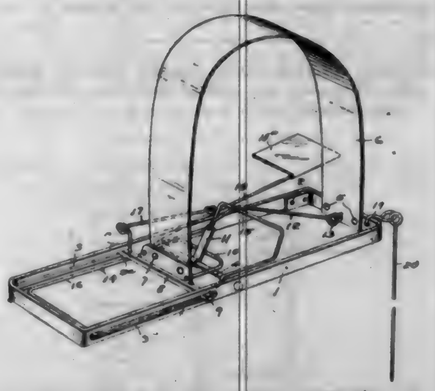
1. A pipe cutting machine including an arcuately adjustable shear head having rotary power driven shears thereon, means for effecting the arcuate adjustment of said head and for retaining it in adjusted position, whereby said shears may effect an angular or directly transverse cutting of a pipe irrespective of the axial position of the pipe with respect thereto.

1,535,000. RUSTLESS BUCKLE. CHARLES M. WEBB, Waterbury, Conn., assignor to Waterbury Buckle Co., Waterbury, Conn., a Corporation. Filed Nov. 5, 1923. Serial No. 672,710. 1 Claim. (Cl. 24—184.)



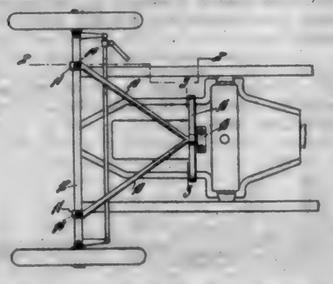
A rustless buckle having a one-piece wire-frame bent to form a continuous lower bar, two web-gripping loops extending toward each other under the said lower bar in the vertical plane thereof and separated therefrom by a narrow web-receiving opening, two upstanding side-bars merging into the lower reaches of the said loops, and two pintle-ends bent inward from the upper ends of the said side-bars; of a buckle-lever pivotally mounted upon the said pintle-ends in position to have its gripping-edge deflect the running portion of the webbing substantially over the said lower bar, the said opening being closed to grip the fixed end of the webbing.

1,535,001. ANIMAL TRAP. JOHN WEISENBURGER and JAMES H. HUSTON, Rosebud, S. Dak. Filed Jan. 31, 1924. Serial No. 689,715. 4 Claims. (Cl. 43—85.)



1. An animal trap including a frame provided with parallel guides at one end of the frame, which end constitutes a stationary jaw, a pivot pin disposed substantially centrally of the frame, a relatively heavy bowed leaf spring having a free end and a fixed end attached to the opposite end of the frame, a movable jaw carried by the free end of the spring and adapted to cooperate with the stationary jaw to trap an animal between the two jaws, a trigger mechanism operatively and releasably connected with the movable jaw, and an animal-operated actuator for releasing an element of said trigger mechanism which results in the release of the movable jaw.

1,535,002. RADIUS ROD. HAROLD M. WESTHOLM, Independence, La. Filed Mar. 3, 1924. Serial No. 696,626. 2 Claims. (Cl. 267—66.)



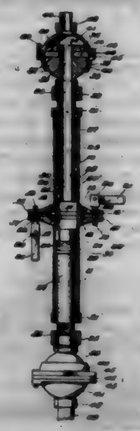
1. A radius rod for motor operated vehicles including divergently disposed branches adapted to be connected to the axle of the vehicle, a ball carried by the other end of the radius rod, a socket designed to accommodate the ball and provide a connection between the rod and the crank case, and a yoke carried by the rod adjacent said ball and designed to embrace the crank case to which it is terminally connected.

1,535,003. MERCURY DERIVATIVE OF DIBROM-FLUORESCEIN. EDWIN C. WHITE, Baltimore, Md. Filed July 26, 1921, Serial No. 487,686. Renewed Jan. 5, 1925. 3 Claims. (Cl. 260—13.)

1. The herein described novel product having therapeutic properties comprising the chlorine-free monomercury derivative of di-brom-fluorescein.

3. Process of preparing a mercury derivative of di-brom-fluorescein comprising reacting with mercuric acetate on an aqueous suspension of di-brom-fluorescein.

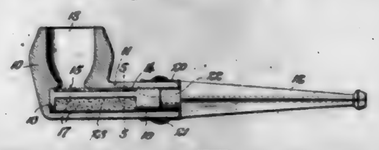
1,535,004. TRAIN-PIPE COUPLING. WALTER C. WHITE, Pittsburgh, Pa., assignor to International Couplers Company, Pittsburgh, Pa. Filed Feb. 14, 1920. Serial No. 358,626. 11 Claims. (Cl. 285—162.)



1. A train pipe coupling including a coupling body, a pipe section slidably fitted therein, a packing which bears between said pipe section and the coupling body, a follower for the packing having a sleeve surrounding said pipe section, stop means at the outer end of said pipe section, and means adjustable upon the sleeve of said follower to coact with said stop means for advancing the follower against said packing, the sleeve of the

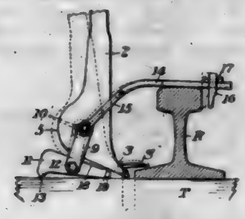
follower terminating short of said stop means and said adjustable means being movable to a position upon the follower sleeve for exposing the outer end portion of the pipe section whereby a wrench may be engaged with the pipe section between the follower sleeve and said stop means.

1,535,005. TOBACCO PIPE. JOHN M. WILSON, San Diego, Calif. Filed Oct. 10, 1923. Serial No. 667,714. 3 Claims. (Cl. 131—12.)



1. A tobacco pipe including a bowl provided with a tobacco chamber, a stem provided with a bore in communication with said tobacco chamber, and a cage for containing filtering and residue collecting material including a body portion disposed within said bore and provided with means for scraping the wall of said bore when the cage is rotated, and means disposed exteriorly of the stem for rotating said cage.

1,535,006. SPIKE PULLER. JOHN S. WINCHANTE, Wilkinsburg, Pa., assignor to Verona Tool Works, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 4, 1924. Serial No. 717,723. 9 Claims. (Cl. 254—27.)



5. A spike puller, comprising a draw bar having an end portion adapted to engage under the head of a spike and having a curved bearing surface behind said end portion connected therewith by a straight under surface, and a wedge-shaped fulcrum member pivotally connected to said bar and having a flat upper surface adapted to cooperate with said curved bearing surface, said flat surface terminating at the forward end of said member in a raised bearing surface adapted to provide a fulcrum for the bar in starting the spike, substantially as described.

1,535,007. METHOD FOR REMOVING LINERS FROM CYLINDERS. WILLIAM R. WOOD, Washington, D. C. Filed Sept. 8, 1922. Serial No. 587,018. 7 Claims. (Cl. 29—1.11.)



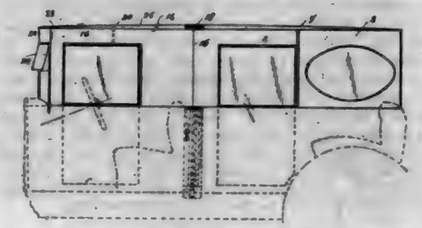
1. A process of permanently changing the diameter of a hollow metal cylinder by applying to one peripheral surface only heat sufficient to cause upsetting of the metal while keeping the other peripheral surface relatively cool, substantially as set forth.

1,535,008. DEMOUNTABLE AUTOMOBILE TOP. GIUSEPPE GAETANO ZANETTI, Milan, Italy. Filed Apr. 4, 1921. Serial No. 458,275. 4 Claims. (Cl. 296—45.)



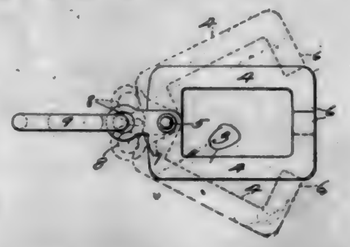
1. In combination with the body of an automobile, a built-in, collapsible, disappearing, closed car top having front and rear transverse portions, and side and roof portions; means interconnecting said portions and permitting all of said portions to be collapsed and folded together to form a single compact unit; a pocket in the central part of the automobile body; and means for mechanically depositing said unit in said pocket.

1,535,009. CONVERTIBLE TOP FOR VEHICLES. GIUSEPPE GAETANO ZANETTI, Milan, Italy. Filed Apr. 11, 1922. Serial No. 551,721. 3 Claims. (Cl. 296—108.)



1. In a folding top comprising receivers adapted to slide into a pocket located in the central portion of a vehicle; pillars mounted in said receivers; a cover connecting the tops of the pillars; two pairs of sides hinged to each other and to said pillars; and flexible roofs fixed to the sides, said roofs and sides being adapted to fold up and slide with said pillars into said pocket.

1,535,010. CLEVIS HOOK. GEORGE ZEHARLE, Quincy, Ill. Filed Mar. 25, 1924. Serial No. 701,738. 1 Claim. (Cl. 278—96.)



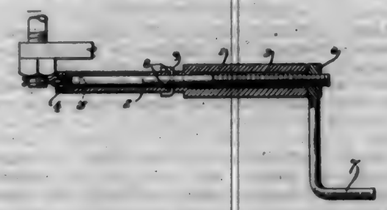
The combination with a clevis, of a clevis hook therefor, said hook comprising flat reversely position U-shaped members, one of the arms of one of the said U-shaped members engaging and overlapping the corresponding arm of the other U-shaped member when the hook is in closed position, the other arms of said U-shaped members being pivotally connected at their outer ends, arms carried by said last named arms in the plane thereof which register when the hook is in closed position and provided with ring receiving apertures which register when the hook is in closed position, and a ring extending through said apertures when the hook is closed and adapted to be removed when the hook is to be opened.

1,535,011. ELECTRIC SWITCH. GEORGE J. ZEIS, Buffalo, N. Y. Filed Dec. 9, 1922. Serial No. 605,942. 2 Claims. (Cl. 200—161.)



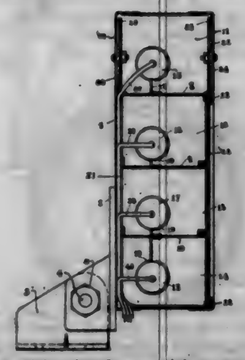
1. An electric switch comprising a casing, a pair of contacts arranged within said casing, a pivot pin extending across said casing and supported at its opposite ends on opposing walls thereof, a lever extending through said casing and pivotally mounted on said pivot pin and adapted to move between said blades, and a metal bridge pin extending transversely through said lever and adapted to engage its opposite ends with said blades.

1,535,012. COTTER-PIN EXTRACTOR. CHESMAN B. ZELLER, Wichita, Kans. Filed Oct. 8, 1923. Serial No. 667,272. 1 Claim. (Cl. 29—86.1.)



A cotter pin extractor of the class described, including a tubular body member, an extracting rod slidably mounted therein, said extracting rod provided with a hook at its lower end, the upper portion of said rod being threaded externally and the upper end thereof adapted to extend beyond the upper end of said tubular body member, a handle threaded on the upper end of said rod for actuating the same longitudinally in said tubular body member, said rod provided with a longitudinal slot in its lower portion, and a pin carried by said tubular body member and extending transversely through said longitudinal slot for permitting the longitudinal movement of said rod in said tubular body member but preventing the rotation of said rod in said tubular body member.

1,535,013. AUTOMOBILE SIGNAL. LUDWIG A. ZILLMANN, Milwaukee, Wis. Filed Mar. 27, 1922. Serial No. 547,101. 1 Claim. (Cl. 177—329.)



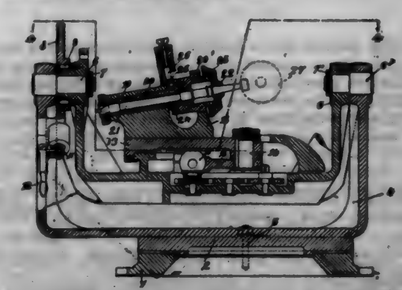
A motor vehicle signal comprising an outer casing; an inner casing mounted within said outer casing with its front and top walls in spaced relation to the corresponding walls of said outer casing, said top wall of said inner casing forming with adjacent portions of said outer casing, a parking lamp compartment the front and back walls of which are provided with oppositely disposed openings; a plurality of horizontal transverse portions within said inner casing forming other compartments below said parking lamp compartment; clear and colored glasses mounted in the respective parking lamp openings; a light transmitting plate provided with motion and direction indicating symbols carried by said inner casing in co-operative relation to said lower compartments; an electric lamp in each of said compartments; and electrical conductors leading to said lamps arranged in the space between the front walls of said casings.

1,535,014. AUTO SIGNAL. LESLIE G. ANDREWS, Lincoln, Nebr. Filed Apr. 18, 1922. Serial No. 555,177. 1 Claim. (Cl. 40—132.)



An automobile signal of the character described comprising, a substantially rectangular open casing having top, bottom and end walls, right angled integral flanges projecting inwardly from the edges of said walls, an open frame of the same contour of said casing secured to the outer face of, and of greater width than, said flanges, transparent indicia bearing elements secured to said frame, an upper, an intermediate and a lower partitioning element within said casing, the upper and lower elements being spaced respectively from the top and bottom of the casing and coacting with said inwardly projecting flanges to provide a relatively shallow top and bottom chamber and said intermediate element dividing the space between the upper and lower elements to provide a pair of intermediate chambers, said transparent elements forming the side walls of said intermediate chambers, apertured plugs extending through the walls of said shallow chambers, incandescent lighting elements in each intermediate chamber carried by the partition adjacent each shallow chamber, and electrical conductors entering said shallow chambers through said plugs and connected to said incandescent elements.

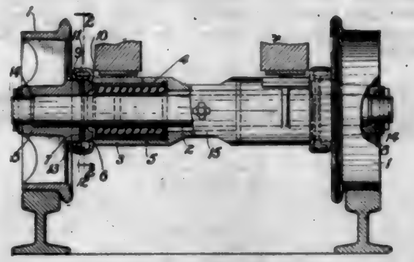
1,535,015. MACHINE FOR CUTTING A CAM SERVING TO CONTROL THE FRONT-WHEEL BRAKES OF MOTOR VEHICLES. ERNEST MAURICE BALLOZ, Paris, France. Filed July 11, 1923. Serial No. 650,937. 4 Claims. (Cl. 90—58.)



1. A cam cutting machine of the character described comprising a cam supporting sleeve, means for supporting said sleeve whereby it may be movable about four axes, one of these axes being that of the cam, two cutters ar-

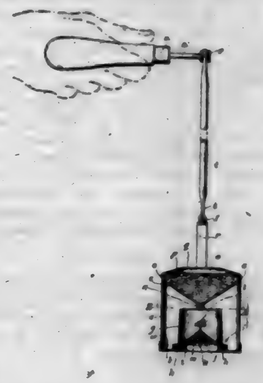
ranged in such a manner as to cut simultaneously upon the cam, and retaining means for permitting the cam to be cut in one position determined with respect to the other three axes.

1,535,016. JOURNAL BOX. FRANK S. BARKS, St. Louis, Mo., assignor to Lincoln Steel and Forge Company, St. Louis, Mo., a Corporation of Missouri. Filed July 9, 1923. Serial No. 650,219. 14 Claims. (Cl. 308—180.)



1. In combination, a journal box, a wheel, a bearing element having an annular wheel thrust-receiving surface, a thrust-washer between said surface and said wheel and rotatable by said wheel to a limited extent only.

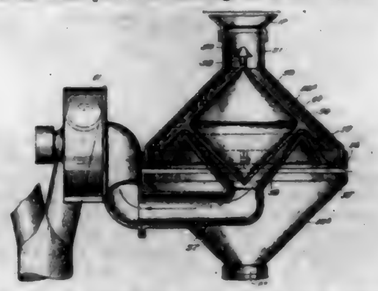
1,535,017. METHOD FOR INVESTING DESTRUCTIBLE PATTERNS FOR INLAY FILLINGS. JEAN CLINE, Portland, Oreg. Filed Dec. 14, 1923. Serial No. 680,781. 2 Claims. (Cl. 22—9.)



1. The method of investing a destructible patter nfor an inlay filling consisting in mounting the pattern in a container, then filling the latter with an investing composition until the pattern is completely covered, and subjecting the composition to centrifugal force until the excess moisture is separated therefrom.

1,535,018. CHAFF REMOVER. BERNARD M. ELY, Marshall, Mich., assignor to Lambert Machine Company, Marshall, Mich., a Corporation of Michigan. Filed July 24, 1924. Serial No. 728,015. 8 Claims. (Cl. 130—17.)

1. A device of the character described comprising; a casing having a material receiving inlet; an upright conical material dispersing plate within said casing lying below said inlet; said casing having an air inlet arranged adjacent to the lower circular edge of said conical material dispersing plate; an air suction pipe entering said casing and having an enlarged mouth lying beneath the conical material dispersing plate; a frusto-conical air baffle plate surrounding the mouth of the air

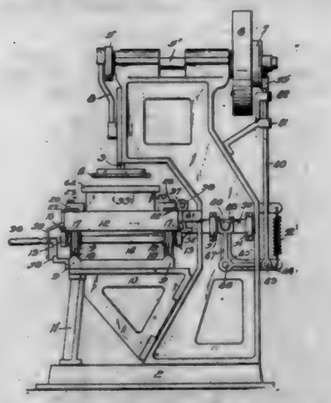


suction pipe and lying below and adjacent to the circular lower edge of the material dispersing plate; and air exhausting means attached to the outer end of the air suction pipe.

1,535,019. METALLURGICAL PROCESS. FRANK M. DORSEY, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1920. Serial No. 411,166. 3 Claims. (Cl. 23—23.)

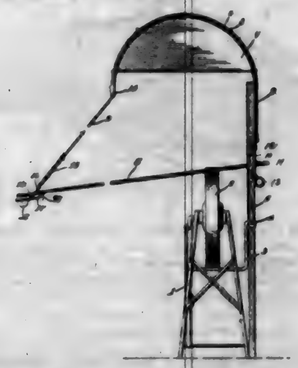
1. The process of preparing substantially pure tungsten oxide which consists in maintaining in a reservoir a solution of impure sodium tungstate, causing a continuous flow of said solution from said reservoir, treating the outflowing solution with a re-agent to precipitate therefrom the tungstic oxide, separating the tungstic oxide from the solution, treating the solution to eliminate the excess of the previously added re-agent, returning the solution to the reservoir and adding, from time to time, impure sodium tungstate to the solution in said reservoir to maintain it at a substantially constant specific gravity.

1,535,020. MOLDING MACHINE. PINKNEY P. FRASER, St. Louis, Mo., assignor, by mesne assignments, to Edward Schaefer and Detlef F. Schaefer, trustees for The Multiple Molding Machine Co., St. Louis, Mo., a Common Law Trust. Filed Mar. 24, 1921. Serial No. 455,000. 17 Claims. (Cl. 22—42.)



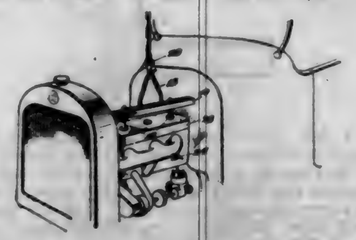
1. In combination with a molding machine having a track base and a plunger disposed above the base, of a wheel supported carriage adapted to support both a cope and a drag at the same time, said carriage being mounted for limited reciprocal movement upon said track base and the distance of said movement being the distance between the centers of the cope and the drag.

1,535,021. SICKLE-HOLDING ATTACHMENT FOR GRINDERS. LARRY FURLONG, Havre, Mont. Filed Nov. 14, 1922, Serial No. 600,925. Renewed Feb. 9, 1925. 2 Claims. (Cl. 52—222.)



1. An attachment of the class described including a standard, a bail yieldingly and adjustably connected to the standard, a supporting plate pivotally mounted in the bail, said plate constituting means for engaging and supporting one end of a sickle bar, and means on the plate for gripping a sickle bar and holding it to the plate.

1,535,022. MOTOR-HOISTING HITCH. CLOYED M. JENKINS, Dodge City, Kans. Filed Nov. 23, 1923. Serial No. 676,659. 7 Claims. (Cl. 294—78.)



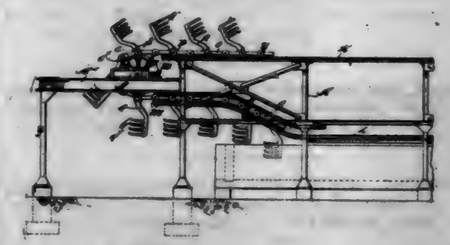
1. A hoisting hitch including a body bar, and anchoring means for connecting the bar with an engine and formed with portions to be accommodated in the spark plug openings of the engine engaged therewith.

1,535,023. SECTIONAL MOLD FOR CONCRETE STRUCTURES. CARLETON H. KELLY, Kalispell, Mont. Filed Apr. 19, 1923. Serial No. 638,174. 4 Claims. (Cl. 25—124.)



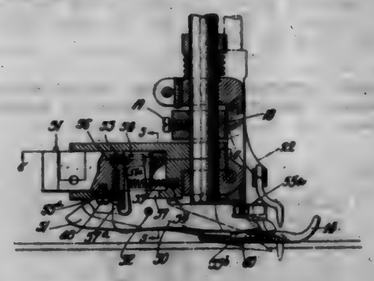
1. In a mold of the character described, an end ring made in sections and provided with holes for receiving tie-bolts, a plurality of interchangeable, reversible curved mold sections adapted for being arranged in a horizontal course, each provided with a stiffening flange, the opposite ends of which are cut away at such an angle that, when the mold-sections are set up, one of the sections may be independently removed, said stiffening element being provided with holes for receiving tie-bolts, the ends of said sections being respectively provided with perpendicular resilient ribs adapted to permit said removal.

1,535,024. PICKLING MACHINE. HARRY W. KRAMS and FRED R. KLAUS, Cleveland, Ohio, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 4, 1920. Serial No. 401,098. 9 Claims. (Cl. 266—7.)



1. In a device of the kind described, the combination with a plurality of receptacles, of the upper and lower tracks, an endless carrier traveling upon said tracks and having a plurality of arms, each arm having a plurality of fingers and means for moving said endless carriers, said fingers being arranged to carry a plurality of articles while moving substantially horizontally and discharge said articles when said fingers are whifted to a vertical position at the end of the carrier.

1,535,025. AUTOMATIC PICOT-CUTTING ATTACHMENT. FRANK K. MARTINEK, New York, N. Y. Filed Mar. 27, 1922. Serial No. 547,069. 7 Claims. (Cl. 112—125.)

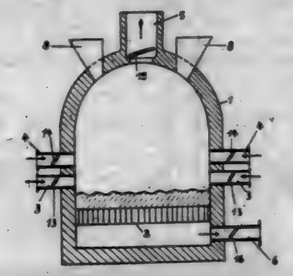


1. An automatic picot cutting attachment in combination with the presser bar and piercer bar bracket of a machine, comprising a carriage block, means for mounting the carriage block on the presser bar so that it may extend rearwardly thereof, a resiliently controlled plunger slidable within the carriage block, means for locking the plunger in its operative position, cutting blades carried by the plunger, one of said blades being engageable by the piercer bar bracket when the slidable plunger is in its locked position.

1,535,026. PROCESS FOR THE PRODUCTION OF ZINC IN REVERBERATORY FURNACES. HERMANN MEHNER, Berlin-Charlottenburg, Germany. Filed Nov. 4, 1923. Serial No. 599,130. 2 Claims. (Cl. 75—61.)

1. In the recovery of zinc from ore, the process which comprises heating a mixture of zinc ore and fuel by

burning fuel above a bed of such mixture, a controlled amount of the heated products of combustion being led



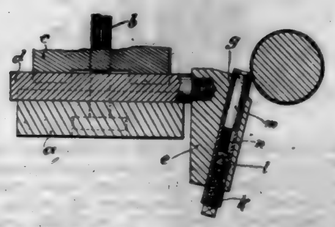
away from the mixture and the remaining heated products of combustion being passed through the mixture of ore and fuel to reduce and volatilise the zinc.

1,535,027. ADJUSTABLE REAMING DEVICE. ARTIS A. MORRISON, Williamsport, Pa. Filed July 31, 1920. Serial No. 400,345. 1 Claim. (Cl. 77—76.)



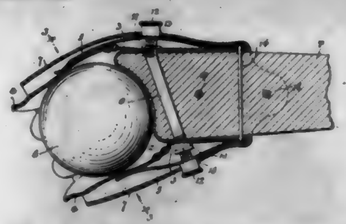
An adjustable reamer comprising a pair of oppositely located blocks having longitudinally disposed grooves in their peripheries, blades, oppositely extending aligned offset slightly flexible shanks at the ends of the blades, said shanks being located and slidable within the grooves of the blocks, sleeves threadedly engaging and surrounding the blocks over the grooves to hold the blades in position, inclined inner edges for the blades, a conical head positioned between and engaging said edges and a shank carried by the head and threadedly adjustable through one of the blocks.

1,535,028. CUTTING TOOL. KARL MÜLLER, Kreiensen, Germany. Filed Dec. 1, 1922. Serial No. 604,406. 8 Claims. (Cl. 29—100.)



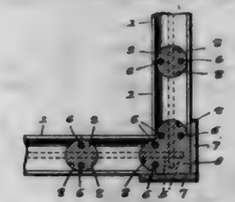
5. In a cutting tool, the combination, with a holder having a cylindrical bore, of a tubular cutting member within said bore formed at its ends with conical depressions providing circumferential cutting edges, a core within said tubular cutting member formed with a head in front of the cutting edge of said cutting member and having a screw-threaded portion of reduced diameter, a member having a screw-threaded axial bore engaging the said portion of reduced diameter, and a nut screwed into said bore provided in the said holder, the said nut being formed with a conical face providing a support for said cutting member.

1,535,029. TOY. WILLIAM W. MURCH, Brooklyn, N. Y. Filed May 9, 1924. Serial No. 712,074. 4 Claims. (Cl. 273—66.)



1. A toy of the character described, comprising a handle, a pair of springs fixed to the handle, a pair of ball-holding leaves connected to the springs, and other springs secured to the handle and exerting inward pressure against the leaves.

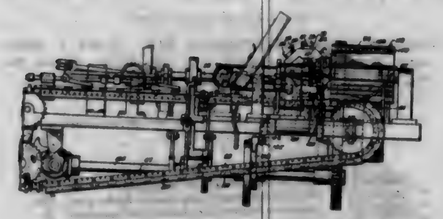
1,535,030. CONCRETE BUILDING STRUCTURE. WILLIAM E. NELSON, San Antonio, Tex. Continuation of application Serial No. 296,595, filed May 12, 1919. Substitute for application Serial No. 343,507, filed Dec. 9, 1919. This application filed Nov. 1, 1920. Serial No. 421,139. 3 Claims. (Cl. 72—30.)



1. A wall or analogous structure comprising a plurality of substantially square entirely solid concrete units of a thickness of approximately one-half of their other dimensions and having in all of their edges relatively deep grooves of slightly less width than the thickness of said units, said units being arranged edge to edge in parallel courses and parallel columns with the side edges of the superimposed units in alinement and with the inner and outer portions of their edges in full and tight contact, the arrangement of said units being such that said grooves form a network of closely arranged laterally closed intersecting horizontal and upwardly extending passages, all of which are relatively large and the same cross sectional area, the distance between the nearest walls of the adjacent parallel passages being not more than three times the diameter of said passages, and a monolithic reinforced concrete skeleton weight sustaining and stress resisting framework entirely disposed in said passages and completely surrounded by the structure formed by said units and being composed of closely arranged intersecting beams and pillars having the same cross sectional area, one of said units being disposed between and hung upon each set of adjacent pillars and beams in said framework.

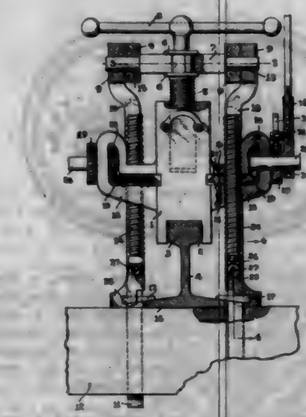
1,535,031. ASSEMBLING AND COUNTING MECHANISM. THOMAS A. NEVINS, New York, N. Y., assignor, by mesne assignments, to Hercules Match Corporation, New York, N. Y., a corporation of New York. Filed May 18, 1923. Serial No. 639,956. 7 Claims. (Cl. 226—4.)

1. In a mechanism for counting and stacking finished match books, a stacking mechanism, a conveyer for delivering the finished match books to the stacking mechanism, and means adapted to be engaged by a match book in said conveyer for rendering said delivering mechanism operative and for rendering the said delivery mechanism inoperative upon its failure to receive a match book.



7. In combination with a conveyer for carrying finished match books, a stacking mechanism including a plurality of troughs, and means interposed between the conveyer and the stacking mechanism for transferring the finished match books from the conveyer to the troughs of the stacking mechanism, said means comprising a rotary frame-like member having receivers adapted to pass in proximity to the conveyer, means for discharging the match books from the conveyer to said receivers, said receivers also being adapted to move in proximity to the troughs of the stacking mechanism, and means for discharging the match books from the receivers to the troughs of the stacking mechanism, both said discharging means being operated at the same time.

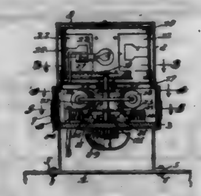
1,535,032. TRACK TOOL. GEORGE F. A. OCHS, Newark, N. J. Filed Oct. 10, 1924. Serial No. 742,849. 7 Claims. (Cl. 104—17.)



1. A tool for the purpose indicated comprising a body element recessed at its lower end to provide a seat for the ball of a rail, a screw threadingly engaged with the body element at the end remote from the seat, a cross-head rotatably supported by the screw, and stirrups carried at the extremities of the cross-head and consisting of downwardly divergent arms formed with inwardly directed hooks for engagement with the bottom of a tie.

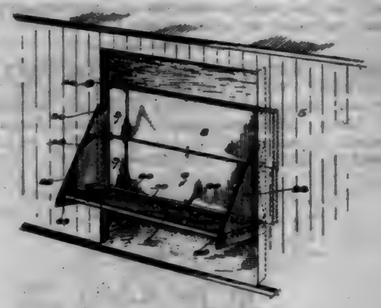
1,535,033. DIRECTION INDICATOR. GEORGE C. PEARCE, Johnson City, Tenn. Filed Oct. 25, 1922. Serial No. 596,756. 1 Claim. (Cl. 177—329.)

A device for the purpose indicated comprising a cylindrical casing, an angularly movable indicating element surmounting the same, a bracket straddling the casing and the indicating element and having a cross-piece pre-



vided with a bearing for the latter, the bracket having legs offset to embrace the casing, and a clamp surrounding the casing and straddling the legs.

1,535,034. DOOR FOR RAILWAY CARS. PETER E. PETERSON, Salina, Kans. Filed July 22, 1924. Serial No. 727,479. 6 Claims. (Cl. 20—27.)



1. A grain car door comprising a pair of sections, means horizontally hinging one of the sections to the other section, and wings hingedly connected to the ends of one of the sections and extended beyond the ends of that section to provide stops to limit the swinging movement of that section, the wings being provided with means whereby the same may be detachably secured in an elevated position to secure the associated section in an open position.

1,535,035. MAGNETIC BUILDING TOY. RICHARD PHILIPP, Eisenach, Germany. Filed Apr. 30, 1923. Serial No. 635,709. 2 Claims. (Cl. 46—85.)

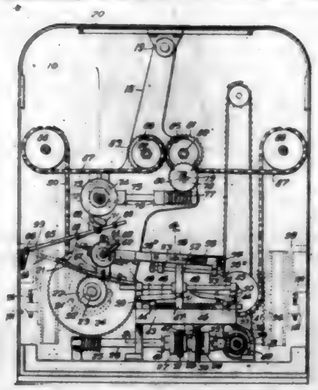


1. A building toy comprising a box, a horseshoe magnet disposed with its body on the bottom of the box and with its shanks bent upwardly and rearwardly into the top wall of the box, and a drawer for the reception of building blocks inserted into said box in the space left between the body and the poles of the magnet.

1,535,036. SPINNING MACHINE. JAMES C. POTTER, Pawtucket, R. I. Filed Dec. 5, 1921. Serial No. 520,078. 12 Claims. (Cl. 242—43.3.)

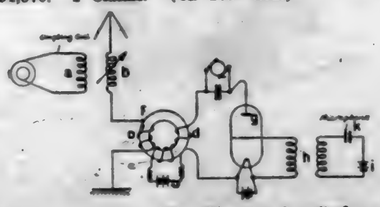
1. A builder motion for spinning machines comprising a to and fro movable member, an operative connection

between the latter and the movable spinning element support, alternately acting power means, an operative



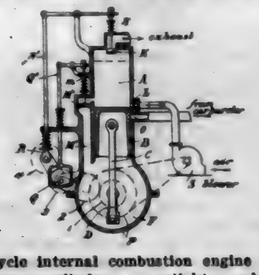
connection between the latter and said member, and means for changing the direction of action of said power means controlled by said member.

1,535,037. METHOD FOR HIGH-FREQUENCY TELEPHONY WITH OR WITHOUT A LINE. LEO PUNGS, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Aug. 23, 1921. Serial No. 494,570. 4 Claims. (Cl. 179—171.)



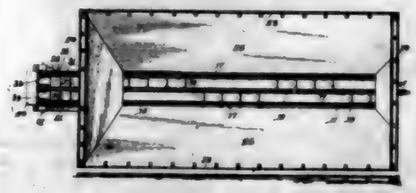
1. In an apparatus of the character described, a source of high frequency currents, and means for influencing said high frequency currents, comprising a winding through which the high frequency currents may flow, a second winding, an iron core for said windings, an amplifying thermionic valve, said second winding being connected in series with the closed circuit of the valve, means for impressing signal representing currents upon the closed circuit of the valve, and means for adjusting the "no-load flux" of the core independently of the "no-load current" of the closed circuit of said valve.

1,535,038. INTERNAL-COMBUSTION ENGINE. MARCEL PRÉTOT, Ensisheim, Haut-Rhin, France. Filed Mar. 25, 1920, Serial No. 368,626. Renewed Mar. 18, 1925. 2 Claims. (Cl. 123—69.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



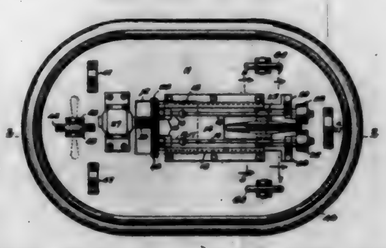
1. A two-cycle internal combustion engine comprising in combination, a cylinder, a gas-tight crank case, and a piston reciprocable therein, means for supplying fuel mixture to the crank case, means for conducting fuel mixture from the crank case to the cylinder, means for blowing scavenging air through the cylinder, and means for preventing admission of fuel from the crank case to the cylinder while scavenging.

1,535,039. COMPOST-STORAGE BIN. JOHN J. RETTLER, Appleton, Wis. Filed Jan. 24, 1924. Serial No. 688,253. 3 Claims. (Cl. 214—16.)



1. An apparatus of the class described, comprising a storage bin, a plurality of endless belts disposed in parallel relation and including an intermediate belt, and lateral belts spaced from opposite sides of the intermediate belt, a plurality of series of carrier slats attached to the intermediate belt and to one of the lateral belts, and a series of carrier slats attached to the intermediate belt and to the other of said lateral belts, the first mentioned series of slats being disposed opposite the spaces between the first and last mentioned series of slats.

1,535,040. AMUSEMENT APPARATUS. HENRY ELMER RIEHL, Brooklyn, N. Y. Filed May 26, 1923. Serial No. 641,720. 16 Claims. (Cl. 180—2.)

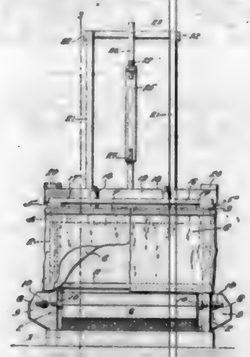


1. In a vehicle having a traction wheel, a friction disc for movement into engagement with the traction wheel, means for driving the friction disc, a steering column for the vehicle, steering mechanism operable at the steering column and means adapted to be actuated by the steering column independently of the steering mechanism for controlling the movement of the disc relatively to the traction wheel.

16. In a vehicle having two wheels, one a traction and the other a steering wheel, a friction disc for engaging the traction wheel, means for driving the friction disc, a steering column mounted on the body of the vehicle and movable relatively thereto, means connected with the steering column for controlling the steering wheel, and means adapted to be actuated by the steering column for moving the friction disc into engagement with the traction wheel.

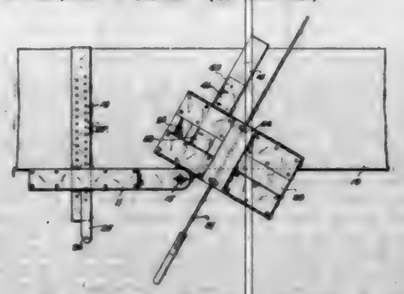
1,535,041. STAND. MAX H. RUHMANN, Vernon, British Columbia, Canada. Filed May 5, 1923, Serial No. 637,026. Renewed Nov. 17, 1924. 4 Claims. (Cl. 88—24.)

1. An apparatus for the purpose described, comprising a stand including a closed base having on its top a translucent objective screen and lamps in the base for directing rays of light against the screen, a natural light obscuring element around the stand above the base having lamps therein for directing rays of light against the



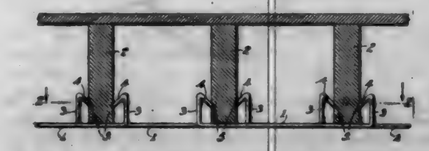
screen, and supporting means for a vertically disposed inverted camera movable longitudinally and transversely over the stand.

1,535,042. HANDSAW GUIDE. THOMAS DUDLEY SADLER, New Orleans, La. Filed Jan. 16, 1924. Serial No. 686,657. 3 Claims. (Cl. 143—88.)



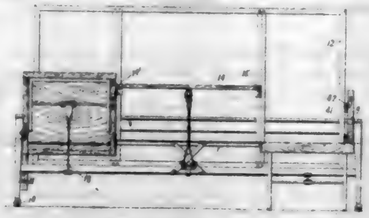
1. An instrument as specified comprising a handle having a straight edge adapted to be placed against one edge of a piece of work, a pair of blades adjustably mounted on the handle, clamping means carried by one blade to engage the work for holding the handle and the blades in adjusted position thereon, said other blade having straight parallel edges and being adapted for adjustment on the handle across the work into various angles for use as a straight and a bevel edge, a saw guide removably and adjustably mounted on said other blade for supporting and guiding a saw across the work at the desired angle, said saw guide being adapted to be slid from said blade for freeing the straight edge thereof.

1,535,043. BRIDGE PIECE. STEPHEN SCANLON, New York, N. Y. Filed May 6, 1924. Serial No. 711,391. 2 Claims. (Cl. 20—9.)



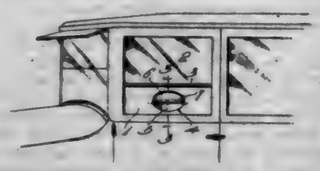
1. A bridge piece of the character described, comprising a strip of metal, tongues projected at right angles to the ends of said strip, inwardly projected jaws at the ends of the tongues, said jaws located at an acute angle relative to the tongues, and teeth at the extremities of said jaws.

1,535,044. CONVERTIBLE CLUB FURNITURE. CHARLES SCHARL, New York, N. Y. Filed June 13, 1922. Serial No. 568,050. 3 Claims. (Cl. 155—45.)



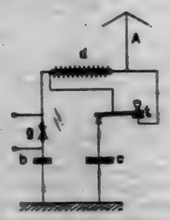
1. In a convertible furniture, the combination of a base frame with a bed frame, said bed frame being rotatably applied to said base frame, of a holding frame slideably applied into said base frame and of means to inter-connect said bed frame to said holding frame in such a manner that said holding frame will slide upwardly when said bed frame is moved into a vertical position and will slide downwardly when said bed frame is brought into a horizontal position.

1,535,045. SIGNALING EQUIPMENT FOR AUTOMOBILES. ALPHONSE JONAS SCHEIDECKER, Baton Rouge, La. Filed Apr. 22, 1924. Serial No. 708,270. 3 Claims. (Cl. 296—44.)



1. An automobile having an opening in one side through which the driver's hand may be passed for signaling, and an elastic closure for said opening having a self-closing slit through which to pass the hand.

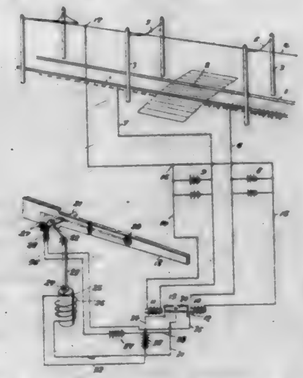
1,535,046. KEY CONNECTION FOR THE WIRELESS TRANSMISSION OF MESSAGES. OTTO SCHELLER, Berlin-Lichterfelde-West, and ROBERT HEILOG, Berlin, Germany, assignors to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Aug. 31, 1921. Serial No. 497,281½. 1 Claim. (Cl. 250—19.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



A wireless signal transmission apparatus comprising an antenna, a high frequency generator connected therewith, a condenser adapted to be connected in parallel with the generator, a choke coil normally in series with the generator and antenna, and a key with connections

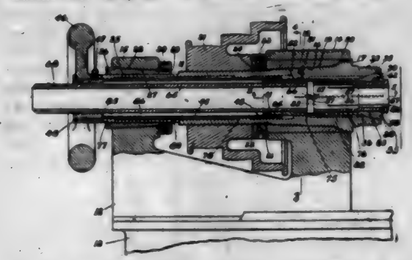
therefor whereby with the key closed the choke coil will be brought into shunt relation to the antenna generator circuit and with the key open the condenser will be connected in parallel to the generator.

1,535,047. CROSSING GATE. GEORGE F. SCHIRMACHER, Waukesha, Wis. Filed June 6, 1924. Serial No. 718,364. 2 Claims. (Cl. 246—128.)



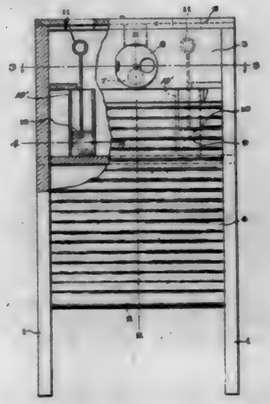
1. In combination, a railway having its rails insulated from each other at the center of a crossing, a weight influenced pivotally supported gate at the crossing, a trolley wire arranged over the railway and a train having a trolley wheel to engage the trolley wire, of normally closed electric circuits, wired directly to the rails at the sides of the crossing and to the trolley wire, relays in said circuits having spring influenced armatures, contacts in the path of engagement with the armatures when the latter are de-energized, and the said relays designed to have their circuits de-energized when a train approaches the crossing, a solenoid, an electric circuit therefor connected also with the armatures and with the contacts, a pivot arm on the core of the solenoid, and the pivotal element for the gate having a crank to which the arm is connected.

1,535,048. CHUCKING MECHANISM. WILLIAM F. SCHUMER, Cincinnati, Ohio. Filed Apr. 16, 1923. Serial No. 632,261. 4 Claims. (Cl. 279—53.)



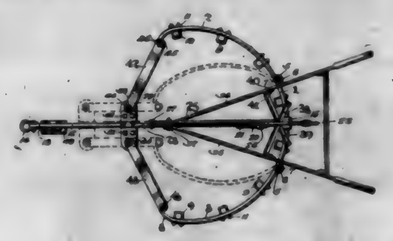
1. In chucking mechanism, the combination of a shell provided with an inner taper end face, an outer collet in said shell, said outer collet having an outer taper end face coacting with said inner taper end face, a sleeve in said shell telescopically connected with said outer collet, the inner ends of said outer collet and said sleeve having threaded connection therebetween for relative endwise adjustment therebetween, means between said sleeve and said shell limiting endwise movement of said sleeve into said shell, turning means at the outer end of said sleeve outside said shell, an inner collet in said outer collet, means solely between said outer collet and said inner collet connecting said collets, and an ejector-part extending lengthwise in said outer collet and in said sleeve arranged to eject said inner collet by endwise movement of said ejector-part in said outer collet and said sleeve while maintaining said outer collet in said chucking mechanism about said ejector-part.

1,535,049. WASHBOARD. LUTHER SHEARS, Arbovale, W. Va. Filed Feb. 16, 1923. Serial No. 619,495. 1 Claim. (Cl. 68—29.)



A self-soaping washboard having a rubbing surface and a front board secured between its stiles above the rubbing surface, said front board having an opening therethrough, a pivoted disk on the front board having an aperture therethrough designed to register with the opening when the disk is turned to one position, a soap compartment arranged between the stiles of the washboard to the rear of the upper portion of the rubbing surface and to the rear of the front board, a slidable door disposed over the front board and the soap compartment for closing the latter, blocks providing valves guided in the soap compartment, an upstanding handle for each valve, and the rubbing surface of the board having apertures which are closed by the valves when the latter are in their lowered positions.

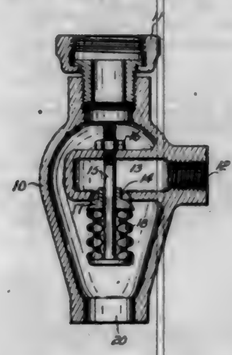
1,535,050. HARROW. MANUEL J. SILVA, Island of Hawaii, Territory of Hawaii. Filed Nov. 10, 1923. Serial No. 675,214. 4 Claims. (Cl. 55—31.)



1. A harrow comprising a body portion formed of an intermediate arcuate bar and a pair of substantially semi-elliptical outer bars, means for pivotally connecting the rear ends of the outer bars to the ends of the intermediate bar, a beam projecting forwardly of the outer bars and having its rear end connected to the intermediate bar, a shifting element slidably mounted

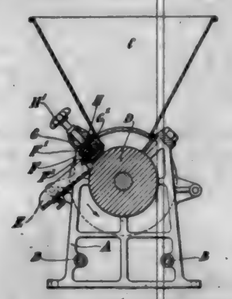
on said beam, oppositely disposed links connecting the forward termini of the outer bars to said element, means supported from the beam and pivotally connected to said element for shifting it, thereby providing for the contraction and expansion of said body, and teeth depending from said bars.

1,535,051. STEAM-WATER MIXER. CHETWOOD SMITH, Worcester, and CHARLES T. HAWLEY, Holden, Mass., assignors to Stack Heater Company, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1922. Serial No. 549,792. 5 Claims. (Cl. 236—12.)



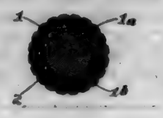
1. A steam-water mixer comprising a casing having a steam inlet, a steam inlet member projecting within said casing and having a downward opening, a combined conical check valve and steam spreader mounted below said opening and normally spaced therefrom, said combined valve and spreader being freely movable upward to close said steam inlet opening upon the occurrence of excessive relative water pressure.

1,535,052. MILL FOR GRINDING PAINTS, ENAMELS, INKS, AND OTHER VISCOUS MATERIALS. SIDNEY SMITH, Midhurst, England. Filed Nov. 17, 1922. Serial No. 601,606. 1 Claim. (Cl. 83—14.)



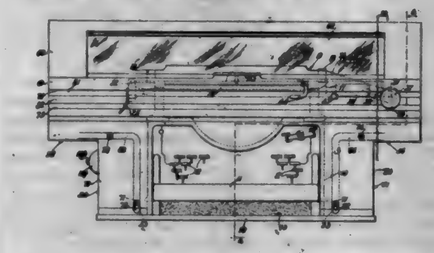
A mill for grinding paints, enamels, inks, and other viscous materials, comprising a frame, a hopper mounted thereon; a roller underlying the hopper and closing the delivery end thereof except at one edge thereof, and a grinding block carried by the hopper and extending downwardly toward and adjustable relative to the surface of the roller, said grinding block bearing on the roller immediately adjacent the delivery exit from the hopper to the roller to immediately act on any material leaving the hopper on the surface of the roller.

1,535,053. GOLF BALL. ALAN SPENDY, London, England, assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1925. Serial No. 4,544. 10 Claims. (Cl. 273—62.)



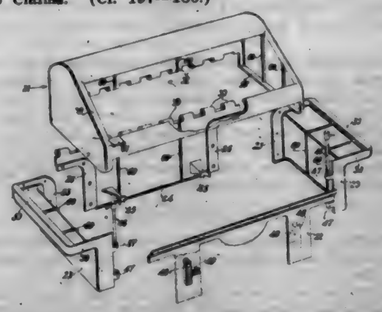
1. A golf ball comprising a center having vulcanized thereon a cover or shell comprising gutta and a colloidal substance.

1,535,054. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 20, 1921. Serial No. 471,173. 35 Claims. (Cl. 197—186.)



1. The combination with a typewriting machine comprising a traveling carriage having a platen-frame mounted therein, and a platen journaled in said platen-frame, of a sound-deadening casing for the machine, said casing comprising a lower body part and an upper cover part hinged at the rear to said body part, there being a slot at the front between said body part and said cover part, and means connected to said platen and projecting forwardly through said slot whereby said platen may be rotated from the front of the casing, said means operating in said slot when said carriage travels to the right or left, and being provided with a finger-wheel outside of said casing for rotating said platen in both directions.

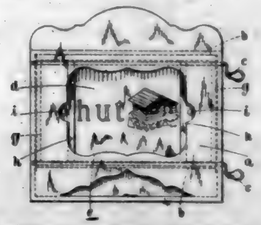
1,535,055. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 27, 1921. Serial No. 473,018. 18 Claims. (Cl. 197—186.)



1. A knock-down sound-deadening casing for typewriting machines, having upper overhanging side portions to accommodate the travel of the carriage, said casing comprising a body part having front, back and side walls, and a cover part hingedly and releasably connected to

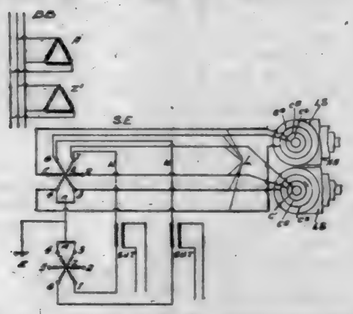
said body part to permit the cover to be detached from the body part, said walls being releasably connected to permit separation thereof in disassembling the body part, said side walls having upright portions adjacent the sides of the machine frame and horizontal floor portions for said overhanging side portions, and having flanges along the front and rear edges of both the upright and horizontal portions for reinforcement and to provide parts to which the front and back walls may be readily secured.

1,535,050. EDUCATIONAL APPLIANCE. WOLF STOLOFF, London, England. Filed Oct. 22, 1923. Serial No. 670,085. 2 Claims. (Cl. 35—9.)



1. An educational appliance comprising a frame having guideways, a shutter made of pleated fabric coated with a stiffening material and having the stiffness broken down along the lines of the folds, said shutter having a pair of opposite edges movable in said guideways and having one of its other edges secured to said frame, and a bar to which the edge of the shutter opposite to that secured to the frame is secured.

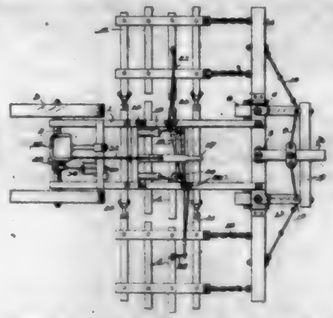
1,535,057. ELECTRICAL-POWER-TRANSMISSION SYSTEM. ALFRED MILLS TAYLOR, Erdington, Birmingham, England. Filed June 11, 1921. Serial No. 476,642. 13 Claims. (Cl. 171—97.)



1. A transmission system for polyphase alternating currents having a star connected source, including a pair of cables having concentric cores, a connection for earthing the polyphase system at one of its phase extremities, and connections between the source and the cores of said cables with the innermost cores of the cables connected to these phase extremities the potentials of which are farthest removed from earth.

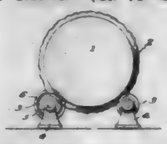
1,535,058. HARROW CART. JOHN W. TAYLOR, Blue Rapids, Kans. Filed Feb. 2, 1923. Serial No. 616,542. 1 Claim. (Cl. 55—88.)

A harrow cart comprising a wheeled frame, wings hinged to the frame, one at each side thereof, a flexible brace for connecting each wing to a part of the frame, a sectional harrow, chains for connecting the middle section with a part of the frame and the outer sections with the wings, triangular shaped arms pivotally connected with the frame, a link connecting the outer end of each arm with an outer section of the harrow, a rock shaft on the frame, sectors thereon, chains connecting the sectors with the upper ends of the arms, guiding



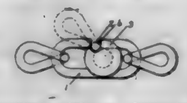
pulleys for the chains and means for rocking the shaft to raise and lower the harrow sections.

1,535,059. PROCESS FOR MAKING LIQUID ZINC FROM BLUE POWDER. FILIP THARALDSEN, Bestum, near Christiania, Norway. Filed June 7, 1923. Serial No. 644,066. 2 Claims. (Cl. 75—153.)



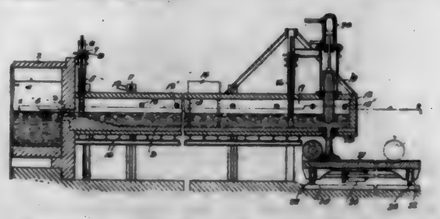
1. The process of making liquid zinc from blue powder which comprises subjecting the powder to a revolving action of a rotary heated drum, and imparting a series of shocks to the drum during rotation thereby causing a settling of the non-oxydised metal of the powder.

1,535,060. CONNECTING LINK. ALLEN A. TIERILL, Pittsburgh, Pa. Filed Oct. 14, 1920. Serial No. 416,860. 3 Claims. (Cl. 24—238.)



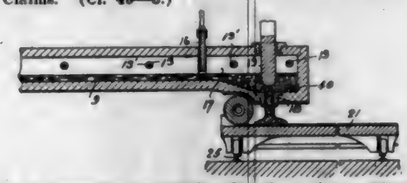
1. The combination with an elongated link having an opening in one of its long sides forming an entrance and exit passage, of a lock member formed as an integral whole, rotatably confined within the link and freely movable lengthwise thereof across said opening and provided with transversely aligned notches arranged to co-operate with said opening for controlling passage therethrough.

1,535,061. PROCESS OF MAKING PLATE GLASS. FRANK E. TROUTMAN and CHARLES H. CHRISTIE, Butler, Pa. Filed May 7, 1919. Serial No. 295,485. 1 Claim. (Cl. 49—87.)



The method of casting molten glass that comprises flowing the glass through an outlet upon a casting table, advancing a casting table beneath said glass outlet, and regulating the amount of glass received on said table by controlling the speed at which said table advances.

1,535,062. APPARATUS FOR MAKING PLATE GLASS. FRANK E. TROUTMAN and CHARLES H. CHRISTIE, Butler, Pa. Filed May 7, 1919. Serial No. 295,486. 6 Claims. (Cl. 49—8.)



6. In apparatus for making flat glass, the combination of a melting furnace, a shallow runway of materially greater length than width communicating with said furnace, means independent of said furnace for controlling the temperature of the glass at the outer end of said runway, a receptacle adapted to receive glass from the outer end of said runway and having a discharge opening in its bottom, a casting table adapted to move beneath said opening, and means for forming the glass on said table into a sheet.

1,535,063. METHOD OF LAYING PLATE GLASS. FRANK E. TROUTMAN and CHARLES H. CHRISTIE, Butler, Pa. Filed Jan. 20, 1923. Serial No. 613,948. 11 Claims. (Cl. 294—65.)



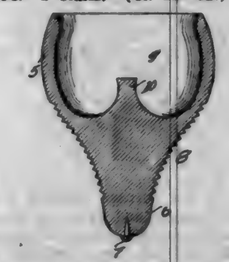
1. The method of laying flat glass on a grinding or polishing table that comprises lifting a plurality of pieces of glass by means of suction applied to the upper surface of the glass and fixedly limiting the relative upward movement of the upper surfaces of the said pieces so as to bring all of the said upper surfaces to the same level.

1,535,064. APPARATUS FOR LAYING PLATE GLASS. FRANK E. TROUTMAN and CHARLES H. CHRISTIE, Butler, Pa. Filed Jan. 20, 1923. Serial No. 613,949. 12 Claims. (Cl. 294—65.)



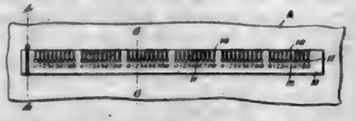
1. Apparatus for laying flat glass upon grinding or polishing tables, comprising a suction device adapted to engage and support the glass to be laid, and rigid seating means for permitting the surface of the glass engaged by said suction device to be alined in a definite plane.

1,535,065. TOP. JOHN A. B. TWEEDT and CHARLES A. NELSON, Oakland, Calif. Filed June 2, 1922. Serial No. 565,294. 1 Claim. (Cl. 45—32.)



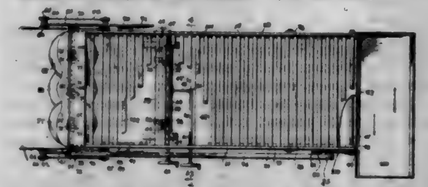
In a top, an upper portion, a central portion having downwardly and inwardly inclined sides, a lower portion of smaller dimension that said upper and central portions, a hollow chamber formed in said upper portion, an upstanding portion formed within said chamber and having its upper extremity terminating at a point below the upper extremity of said upper portion, a wear resisting tip secured upon said lower portion and corrugations formed on the downwardly extending sides of said top.

1,535,066. DEVICE FOR SECRET WRITING. MARIE A. VAHJEN, Guttenberg, N. J. Filed Apr. 4, 1923. Serial No. 629,927. 1 Claim. (Cl. 35—13.)



A secret writing device comprising a bar having a plurality of openings arranged in curves, a designating character associated with each of said openings, an index line leading from each of said openings to one edge of the bar, a pin carried by one end of the bar and adapted to be received within a recess in the article to be marked for maintaining the bar in position to receive a marking instrument through any one of the openings therethrough to make an identifying mark upon said article to be marked, and a second pin right-angularly disposed with respect to the first pin and adapted to be received in the same opening in lieu of the first-mentioned pin to position the bar in such a manner that the index lines of the openings through which the marks were made will coincide with the said marks to facilitate the reading thereof.

1,535,067. MOTOR-DRIVEN GRUBBING MACHINE. ADOLARD VILLEMAIRE, Ruskin, Fla. Filed July 27, 1923. Serial No. 654,278. 12 Claims. (Cl. 55—62.)



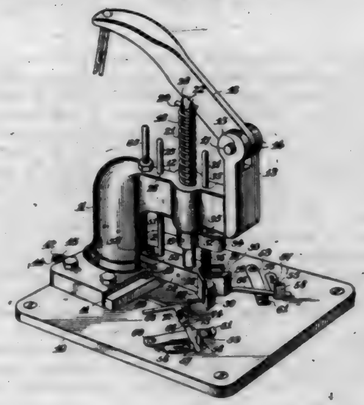
1. A machine for the purpose set forth comprising a body portion, propelling means therefor, a series of horizontally disposed overlapping spaced saw elements depending below the forward end of the body portion, a vertically disposed saw element arranged forwardly of and at the outer side of each outer element of said series of horizontally disposed saw elements, a conveyor extending rearwardly from said saw elements, an operative drive for said horizontally disposed saw elements, an operative drive for said conveyor, an operative drive connection between said horizontally disposed saw elements and said vertically disposed saw elements, and an inclined chute leading from said conveyor.

4. A machine for the purpose set forth comprising a body portion, propelling means therefor, a series of horizontally disposed overlapping spaced saw elements depending below the forward end of the body portion, a vertically disposed saw element arranged forwardly of and at the outer side of each outer element of said series of horizontally disposed saw elements, a conveyor extending rearwardly from said saw elements, an operative drive for said horizontally disposed saw elements, an operative drive for said conveyor, an operative drive connection between said horizontally disposed saw elements and said vertically disposed saw elements, an inclined chute leading from said conveyor, means for vertically adjusting said body portion causing thereby the adjustment of said series of horizontally disposed saw elements, and means for adjusting said vertically disposed saw elements.

10. A machine for the purpose set forth comprising a body portion, means arranged at the rear thereof for propelling said body portion, horizontally and vertically disposed saw elements arranged at the forward end of said body portion, an endless slatted conveyor supported

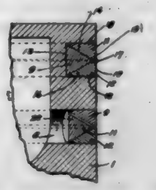
by said body portion and extending rearwardly from said saw elements, means for driving said conveyor and saw elements from said propelling means, means to provide for the adjustment of said horizontally disposed saw elements, and a deflector arranged at the forward end of said body portion, depending therefrom and positioned over said horizontally disposed saw elements, said deflector arranged between said vertically disposed saw elements.

1,535,068. METAL-BINDING MACHINE. MURRAY A. WACHS, Brooklyn, N. Y. Filed July 11, 1924. Serial No. 725,464. 10 Claims. (Cl. 153—1.)



1. A machine for attaching substantially U-shaped binding elements or clips having a pair of walls joined by a bight portion to the edges of a piece of material, comprising a base for supporting the piece of material and the elements to be attached thereto, means for holding the material against relative movement on the base, means for advancing said element to dispose and hold the bight portion flush with the outer edge of the material, and means movable toward the base for subsequently exerting a pressure against the element or clip to bind the same to the material.

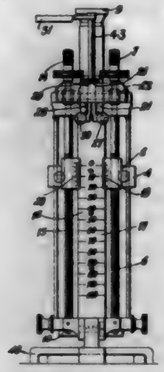
1,535,069. PISTON RING. EARL O. WEATHERWAX, San Francisco, Calif. Filed Mar. 1, 1923. Serial No. 622,168. 2 Claims. (Cl. 74—109.)



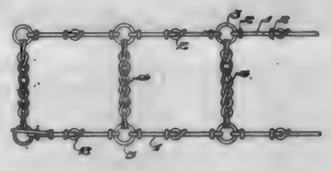
1. In combination, a piston having an annular groove therein communicating with the inside of the piston, and a piston ring adapted to engage the groove comprising a plurality of ring elements formed with grooves in their contacting faces allowing a liquid to pass between the same to the inside of the piston.

1,535,070. COLORIMETER. ROBERT E. KLETT, Ridgefield Park, N. J., assignor to Klett Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 6, 1921. Serial No. 435,318. 20 Claims. (Cl. 88—14.)

5. A colorimeter comprising color observing means, color intensity indicators located above the central portion of the colorimeter, and means for reading both of the indicators from above the colorimeter with substantially the same focus of the operator's eye during continued readings.

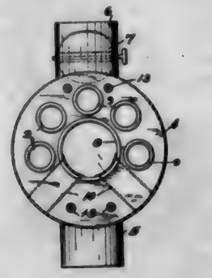


1,535,071. AUTOMOBILE TIRE CHAIN. DAVID ALLEN WARD, Primrose, Nebr. Filed Aug. 11, 1922. Serial No. 581,172. 1 Claim. (Cl. 132—14.)



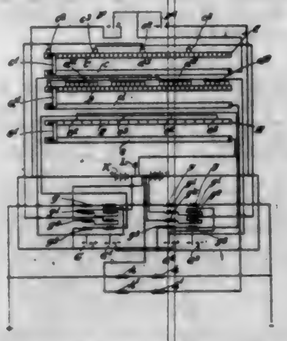
In a traction element of the class described, a pair of side chains consisting of links having rotatable uniformly spaced rings therebetween, each link being looped at its ends to engage on one end a loop on a similar link and on the other end a rotatable ring, and a plurality of cross chains connected with said rotatable rings.

1,535,072. HEATING DRUM OR RADIATOR. FRANK JAMES FLANAGAN, Fredericton, New Brunswick, Canada, assignor of one-half to Joseph A. Cain, Fredericton, Canada. Filed Sept. 18, 1922. Serial No. 588,819. 3 Claims. (Cl. 257—171.)



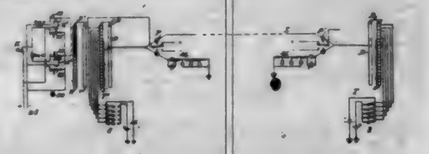
1. In a device for the purpose specified, a cylindrical drum having an inlet pipe and an outlet pipe arranged diametrically opposite in the drum, air passage tubes extending through the drum, and a deflector carried by the drum at one end of the air passage tubes to direct the air passing through the air passage tubes.

1,535,073. SYNCHRONOUS TELEGRAPH SYSTEM. JOHN VICTOR FOLL, London, England, assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1923. Serial No. 615,166. 3 Claims. (Cl. 178—53.)



1. In a synchronous telegraph system, a transmitting equipment comprising a rotary distributer, positive and negative poled receiving relays, two pairs of oppositely poled transmitting relays connected alternately to the the segmented rings of the distributer, each pair being connected thereto at a plurality of equally spaced intervals, whereby said pairs of relays are connected alternately to the receiving relays and are cleared between successive impulses, and means effective through said distributer equipment for repeating the received signal impulses by connecting the corresponding poles of a current source with a line or cable.

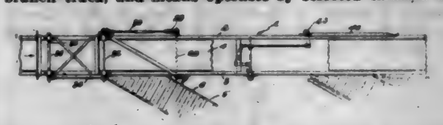
1,535,074. TROUBLE INDICATOR FOR TELEGRAPH SYSTEMS. WALTER A. HOUGHTALING, Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed Jan. 27, 1923. Serial No. 615,383. 5 Claims. (Cl. 178—53.)



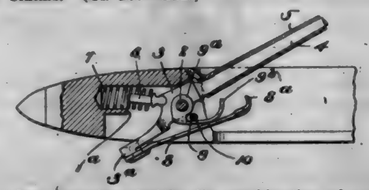
1. In a system of synchronous telegraphy, having a sending and a receiving station and a single line connected in duplex arrangement between said stations, the combination with the usual duplex line relays, of distributer equipments at such stations operating in synchronism and normally maintaining a predetermined order of current polarities in said line, and a trouble indicator comprising a signal device, a relay controlling the operation of said signal device and means effective under a non-synchronized condition of said distributers for actuating said relay, said means comprising opposite polarities adapted to be connected respectively to said signal relay under the control of the armature of said line relay.

1,535,075. CONVEYER SYSTEM. THOMAS S. KNAP, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Dec. 6, 1923. Serial No. 678,866. 27 Claims. (Cl. 198—21.)

1. A conveyer system comprising a track for carriers, a plurality of branch tracks, means normally operative to divert all carriers of one class into the first branch track, means operable by carriers of a second class to render the diverting means inoperative, normally inoperative switching means associated with the other branch track, and means operable by selected carriers of the second class to render said switching means operative to divert said selected carriers into the last named branch track.

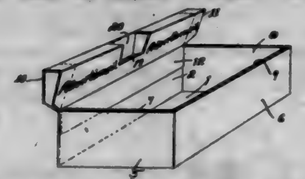


1,535,076. LOOM SHUTTLE. GEORGE A. LITCHFIELD, Southbridge, Mass., assignor to Litchfield Shuttle Company, Southbridge, Mass., a Corporation of Massachusetts. Filed Oct. 11, 1924. Serial No. 743,059. 6 Claims. (Cl. 139—211.)



1. In a weaving shuttle, the combination of a shuttle body, a cop and bobbin spindle pivotally mounted in the rear end of the shuttle to swing outwardly for the removal of cop or bobbin, a spring arm secured to the heel end of the spindle and having its forward end inwardly turned to engage and retain a bobbin, a pivoted cop-retaining member loosely mounted on the pivotal axis of the spindle and provided with an inturned cop-engaging portion at its forward end to engage and retain a cop tube on the spindle blade, said cop retaining member being disposed to be pressed into engagement with a blade-carried cop when the parts are in proper position for weaving and to itself form a stop abutting against said spring arm when the spindle is swung out for removal of cop tube or bobbin, substantially as described.

1,535,077. DISPLAY CARTON. AUGUST F. MILLER, San Francisco, Calif., assignor to Schmidt Lithograph Company, a Corporation of California. Filed Feb. 28, 1922. Serial No. 538,583. 4 Claims. (Cl. 206—44.)



3. In a display carton, a top hinged thereto along one side, said top being scored along two lines and cut to produce an opening therethrough to form a recess for a package when one edge of the top is bent to a position close to the hinge edge of the top, said top having tabs at the ends to aid in supporting it when bent up for display purposes.

1,535,078. OIL BURNER. NORMAN FRANCIS PRATT, Jacksonville, Fla., assignor to Grover Cleveland Stembridge, Jacksonville, Fla. Filed Mar. 28, 1924. Serial No. 702,664. 2 Claims. (Cl. 158—63.)

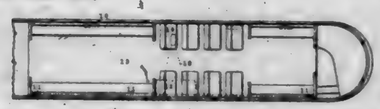
2. In a liquid fuel burner, the combination of a U-shaped preheating tube, a head to which the ends of the tube are attached, the head having passages therethrough in alinement with the arms of the said tube, means adapted to connect one of said passages with a source of fuel supply, a removable plug closing the outer end of the other said passage, a third passage

through said head between the aforesaid passages and parallel therewith, a valve stem disposed in said third passage adapted to control the discharge end thereof, and a fourth passage in said head extending obliquely



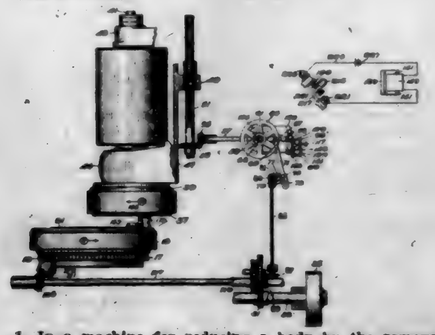
from a point adjacent the discharge end of the said third passage to the outer end of that passage which is closed by a plug, said plug when removed permitting a cleaning instrument to be inserted directly into the obliquely extending passage.

1,535,079. HEATING SYSTEM FOR ELECTRIC-RAILWAY CARS. WILLIAM JUDSON SMITH, St. Paul, Minn. Filed Aug. 25, 1922. Serial No. 584,212. 15 Claims. (Cl. 219—20.)



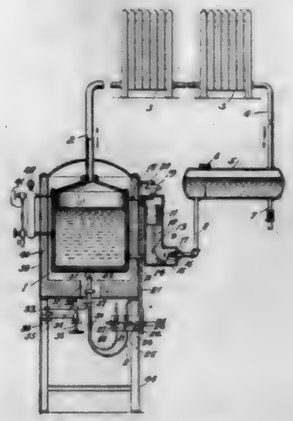
1. In a heating system for electric railway cars, the combination with means for distributing heated air within the car, of means for heating the air supplied to said distributing means by the energy dissipated in the motor rheostats, and positive means in said distributing means for accelerating the movement of the heated air.

1,535,080. MEANS FOR CONTROLLING FEEDING MECHANISMS. HENRY K. SPENCER, Watertown, Mass., assignor to The Blanchard Machine Company, Cambridge, Mass., a Corporation of Massachusetts. Filed July 30, 1921. Serial No. 488,747. 20 Claims. (Cl. 51—131.)



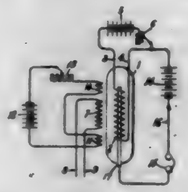
1. In a machine for reducing a body by the removal of material therefrom, the combination of a reducing tool, means to cause a relative travel of said tool and the material in the direction of the surface of said body from which the material is removed, means to cause a relative feed of said tool and the material in a direction transverse to said surface, a follower adapted to rest against said surface, and means for utilizing the frictional resistance to relative movement of said follower and said surface of said body in the first-named direction to control said feed.

1,535,081. APPARATUS FOR HEATING WATER OR OTHER LIQUIDS. JOSEPH VANORIO, College Point, N. Y., assignor of one-fifth to Joseph F. O'Brien, West New York, N. J. Filed May 24, 1919. Serial No. 299,521. 4 Claims. (Cl. 122—23.)



4. An apparatus for heating water embodying, in combination, a water-heating container composed of copper and containing water in a liquid state, and a torch propagating a gas flame with a degree of heat above the melting point of the said metal arranged in such a position in relation to said container as to direct said gas flame against the metal of said container.

1,535,082. ELECTRON-DISCHARGE DEVICE. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, New York, N. Y. Filed Sept. 28, 1920, Serial No. 413,337. Renewed Mar. 12, 1923. 8 Claims. (Cl. 250—27.)



1. In combination, an electron discharge device adapted to operate independently of gas ionization comprising the combination of an anode, an electron-emitting cathode arranged about said anode and magnetic means arranged to oppose the passage of electrons from said cathode to said anode.

Patents Nos. 1,535,083 to 1,536,045.

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CONTENTS.

	Page.
Issue of April 28, 1925	803
Notice of Cancellation	803
Adjudicated Patents	803
Interference Defined	803
Printed Copies of Patents	803
Applications Under Examination	804
Decisions of the U. S. Courts—	
In re Lilienfeld	805
Ward Baking Co. v. Potter-Wrightington, Inc.	806
Patent Suits	809
Interference Notices	810
Trade-Marks Published (501 Applications)	811
Trade-Mark Registrations Granted	851
International Trade-Mark Registration	862
Trade-Mark Registrations Renewed	863
Labels	864
Prints	864
Reissues	865
Designs	866
Patents Granted	879

Issue of April 28, 1925.

Trade-Marks	253	No. 197,812 to No. 198,063,	inclusive.
T. M. Renewals	40		
Labels	11	No. 28,621 to No. 28,631,	inclusive.
Prints	5	No. 7,915 to No. 7,919,	inclusive.
Reissues	6	No. 16,053 to No. 16,058,	inclusive.
Designs	66	No. 67,115 to No. 67,180,	inclusive.
Patents	963	No. 1,535,083 to No. 1,536,045,	inclusive.
Total	1343		

Notice of Cancellation.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1925.*

F. De Martino, his assigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Frank J. Conjurske, 12 Cedar Street, Sturgeon Bay, Wis., to effect the cancellation of the trade-mark registration of F. De Martino, of 1027 Bridge Street, Altoona, Pa., No. 106,649, dated October 26, 1915, and the notice of such proceeding sent by registered mail to the said F. De Martino at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said F. De Martino, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Ohio.) The Johnson patent, No. 1,080,890, for hydraulic valve, claims 1 and 4 *Held* valid and infringed. *Wellman-Seaver-Morgan Co.* v. *William Cramp & Sons Ship & Engine Bldg. Co.*, 3 F. (2d) 531.

(C. C. A. Colo.) The Lehman patent, No. 1,168,945, for foldable cuff, *Held* invalid. *Lehman* v. *Ripley*, 3 F. (2d) 518.

(C. C. A. N. Y.) The Sparks patent, No. 1,237,717, for motor horn, *Held* invalid. *The Sparks-Withington Co.* v. *E. A. Laboratories*, 3 F. (2d) 539.

(C. C. A. N. Y.) The Speckerman patent, No. 1,513,232, for hair-waving device, claims 5 and 7 *Held* invalid. *E. Fredericks, Inc.*, v. *Eugene*, 3 F. (2d) 543.

(D. C. Mont.) The Greenawalt patent, No. 1,348,407, for improvement in apparatus for roasting ores, *Held* invalid and, if valid, not infringed. *Greenawalt* v. *American Smelting & Refining Co.*, 3 F. (2d) 658.

(C. C. A. N. Y.) The Sparks patent, No. 1,355,283, for motor for electric horn, claim 1 *Held* invalid. *Sparks-Withington Co.* v. *E. A. Laboratories*, 3 F. (2d) 539.

(C. C. A. N. Y.) The Frederics patent, No. 1,425,956, for hair-waving device, claims 9 and 10 *Held* invalid. *E. Fredericks, Inc.*, v. *Eugene*, 3 F. (2d) 543.

(D. C. Calif.) The Casey patent, No. 1,445,754, for road tractor, *Held* valid and infringed. *Casey* v. *Bennett*, 3 F. (2d) 640.

(D. C. Mass.) The Jennings reissue patent, No. 15,637, for vacuum heating system, *Held* valid, but not infringed. *Nash Engineering Co.* v. *W. D. Cashin & Co.*, 3 F. (2d) 680.

Interference Defined.

RULE 93. An interference is a proceeding instituted for the purpose of determining the question of priority of invention between two or more parties claiming substantially the same patentable invention. In order to ascertain whether any question of priority arises the Commissioner may call upon any junior applicant to state in writing the date when he conceived the invention under consideration. All statements filed in compliance with this rule will be returned to the parties filing them. In case the applicant makes no reply within the time specified, not less than ten days, the Commissioner will proceed upon the assumption that the said date is the date of the oath attached to the application. The fact that one of the parties has already obtained a patent will not prevent an interference, for, although the Commissioner has no power to cancel a patent, he may grant another patent for the same invention to a person who proves to be the prior inventor.

Printed Copies of Patents.

A printed copy of the complete specification and drawings of any patent published herein can be obtained for ten cents.

Condition of Applications Under Examination at Close of Business April 17, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 46,920; Trade-Mark Division, 2,338. Oldest new case, Oct. 18, 1924; oldest amended, Oct. 17, 1924. The dates given are 1924 except where † indicates 1925.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Dec. 26	†Jan. 8	697
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	†Jan. 2	Dec. 20	494
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Mar. 19	†Jan. 5	192
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Dec. 19	Dec. 13	688
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Nov. 5	Nov. 13	967
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Nov. 24	Nov. 20	902
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography.	Dec. 17	Dec. 17	1,038
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	Dec. 19	Dec. 17	1,506
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 19	†Jan. 21	607
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Dec. 8	Dec. 29	1,004
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Jan. 26	†Jan. 14	738
380	12. PIERCE, F. F., Machine Elements.	Dec. 18	Dec. 19	769
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 8	Dec. 10	1,183
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Dec. 16	†Jan. 22	329
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Dec. 17	Dec. 18	1,068
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Oct. 28	Nov. 8	1,109
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 29	†Feb. 7	411
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Nov. 3	Oct. 29	901
230	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 13	†Feb. 5	574
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Nov. 26	Dec. 4	893
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Nov. 20	†Feb. 2	454
188	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	†Jan. 7	†Jan. 10	498
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Nov. 11	Nov. 8	426
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	†Jan. 7	†Jan. 9	880
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Jan. 29	†Feb. 9	692
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	Oct. 20	Oct. 17	763
314	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 23	†Jan. 5	778
225	28. BENSON, A. R., Internal-Combustion Engines.	†Jan. 19	†Jan. 19	763
180*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Oct. 25	Nov. 6	1,065
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	†Jan. 2	†Jan. 27	982
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Jan. 22	†Jan. 22	800
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange.	Dec. 17	Dec. 17	732
153	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Feb. 5	†Feb. 2	735
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Dec. 23	Dec. 23	618
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 3	†Jan. 17	619
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Dec. 17	Nov. 12	1,206
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Nov. 3	Nov. 1	1,258
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 22	Oct. 27	942
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Dec. 20	†Jan 17	469
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 4	Nov. 20	1,800
123	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Dec. 4	†Jan. 5	551
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Nov. 1	Nov. 6	1,201
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Nov. 22	Nov. 22	913
283	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 5	Nov. 28	802
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication.	Nov. 20	Nov. 28	711
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Oct. 29	Oct. 29	743
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 1	Dec. 1	1,436
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications.	Oct. 18	Oct. 21	1,690
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Nov. 19	Dec. 20	747
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics.	Oct. 27	Nov. 1	1,425
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Nov. 13	Nov. 7	2,183
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 19	†Feb. 5	852
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Nov. 5	Nov. 1	1,134
102	Designs: C. O. MARKHAM (Acting).	†Mar. 26	†Mar. 21	327
103	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. — Trade-Marks	†Mar. 11	†Mar. 27	1,966
	Labels and Prints	†Mar. 2	†Mar. 17	402

*Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

IN RE LILIENFELD.

No. 1,701. Decided March 2, 1925.

DECISION OF ASSISTANT COMMISSIONER FENNING.

1. SPECIFICATION — DISCLOSURE OF INVENTION — SUFFICIENCY OF.

Where, if the general suggestion made in the specification that cellulose ether might be used in a plastic composition is sufficient, there is nothing patentable over applicant's prior patent, and, if some description of the method of forming the plastic composition is necessary, that description is not found in the specification as filed, *Held* that there is no foundation for a valid patent.

2. SAME—SAME—NEW MATTER.

Where in effect the specification states that there is nothing new in the combination or in the proportions of its parts, but that the single new thing is the idea that cellulose ether may be substituted for nitrocellulose in the manufacture of plastics, and that with that idea once enunciated the person skilled in the art would readily produce the plastic, and where no method of combining materials to produce the product is indicated, *Held* that a detailed description of a method of producing celluloid substance, which applicant attempts to insert in the specifications, is new matter.

APPEAL from Patent Office. Affirmed.

Mr. F. F. Church for Lilienfeld.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN, Chief Justice, ROBB, Justice, and BARBER, Judge U. S. Court of Customs Appeals.

PER CURIAM:

Appeal from a Patent Office decision refusing to allow six claims of appellant's application for a patent.

Having carefully examined the record, in the light of appellant's argument and brief, and finding no error therein, we are content to rest our decision upon the views expressed by the tribunals of the Patent Office. The decision therefore is affirmed.

Decision of Assistant Commissioner Fenning, rendered in this case December 31, 1923, is as follows:

This is an appeal from the action of the Examiners-in-Chief rejecting the six claims in applicant's case. Claims 1 and 2 illustrate the application:

1. The herein described new plastic substance containing a cellulose alkyl ether, together with a substance capable of producing a plastic mixture therewith.
2. The herein described new plastic substance containing an alkyl ether of cellulose and a phosphoric acid ester of a phenol.

No references are cited, but it is held that applicant has not given a sufficient disclosure to warrant the granting of a patent.

Applicant in his brief here says:

The invention of the present application resides in the employment of cellulose ethers, in place of other cellulose compounds (such as nitrocellulose or cellulose acetate) previously used in plastic composition, of which the type of celluloid and celluloid substitutes is given.

The application as filed was vague and indefinite. It in substance says that the cellulose ethers may be used for producing plastic masses to be applied to a number of uses which are listed. It points out some characteristics of the cellulose ethers, indicating that some are soluble in water, while others are soluble in a large number of other solvents, a score or more of which are listed.

The specification makes the statement:

As the manufacture of the masses and bodies according to the present invention corresponds from principle with the manufacture of said masses and bodies known for cellulose and its derivatives, only the products being new and having peculiar advantageous properties as hereinbefore described, it is not necessary to describe said manufacture in detail.

No single specimen of a method of combining various materials to produce the product is indicated in the specification. Applicant here says:

As above stated, the ordinary method of making a celluloid, or celluloid substitute, is to mix together nitrocellulose (or acetyl cellulose) camphor, (or a camphor substitute) and a solvent for both of these materials, and to then kneed up the entire mixture, preferably with warming, and then to run the mixture out into sheets, which are run between heated rollers to press the same, and to drive off the volatile solvents. The phosphoric acid esters of phenols are commonly so employed with nitrocellulose (Zuhl patent No. 700,855), and it is well known that the increase in the amount of these phosphoric acid esters of phenol, increases the softness and plasticity of the product. It is submitted, that, after reading the present specification, any one, reasonably familiar with the celluloid industry will be able to substitute cellulose ethers, say water-insoluble cellulose ethyl ether, in place of the nitrocellulose, all without involving invention.

In effect this is a statement that there was nothing new in the combination or in the proportions of the combination, but that the single new thing was the idea that cellulose ether might be substituted for nitrocellulose in the manufacture of plastics and that with that idea once enunciated the person skilled in the art would readily and promptly produce the plastic.

It is noted that claim 2 calls for the specific solvent phosphoric acid ester of a phenol. The only foundation for this in the specification seems to be that this material is included among the score or more solvents mentioned. Reading the specification will not indicate that this particular solvent is of any different character or quality from the other solvents listed.

Nine months prior to filing the present application applicant filed an application which has matured into Patent No. 1,188,376. That patent is for the specific ethers of cellulose (and their process of manufacture) which are the basis of the plastic composition claimed in the present application. The specification of that patent points out that the term "cellulose alkyl ether" is the same as cellulose ether (p. 8, line 21 et seq.). It contains instructions in great detail for the manufacture of these ethers. It points out on page 4, lines 33 to 51, inclusive:

It would take too long to enumerate in this specification all the uses for which the cellulose alkyl ethers are suitable. The following use may be mentioned by way of example: as plastic masses, celluloid substitutes (alkyl ethers of cellulose, alone or mixed with other cellulose derivatives or mixed with camphor or other gelat-

inising agents, or camphor substitutes, or agents for imparting softness or plasticity) artificial filaments and spinning fibers, artificial animal hair, films, all kinds of photographic articles, lacquers, varnishes and paints, insulating goods, dressings for spinning fibers, dressings for fabrics, leather, paper and the like, printing agents and thickening agents for the same, agents for fixing pigments, adhesives, cements and glues and adhesive pastes, size for paper, &c.

That patent then proceeds to claim among other things:

48. The herein described new plastic substance containing as its essential constituent, a cellulose ether, that is a cellulose derivative in which at least one of the hydrogen atoms of the hydroxyl groups of the cellulose is replaced by an alkyl radical.

I am unable to find a patentable distinction between this claim and claim 1 here on appeal.

The examples of manufacture in Patent No. 1,188,376 all indicate that the cellulose ether is a flaky substance or powdery mass. To make it plastic, there must be added "a substance capable of producing a plastic mixture." That seems to be indicated in both claim 48 of the patent and claim 1 here in issue. Likewise claim 49 of the patent covers the same matter as claim 3 here in issue. Likewise claim 50 of the patent covers the same matter as claim 5 here in issue.

Claims 2, 4, and 6 seem to endeavor to distinguish by specifying that the substance added to the cellulose ether is a phosphoric acid ester of a phenol. As indicated above, I do not find in the original specification in the present case a sufficient foundation for these claims.

[1] It seems clear that if applicant's present argument is sound—namely, that the general suggestion made in the specification that cellulose ether might be used in a plastic composition, is sufficient to teach the art how to use that material in a plastic composition—there is nothing patentable in the present case over Patent No. 1,188,376. If some description of the method of forming the plastic composition is necessary, that description is not found in the specification as filed. Consequently there is no foundation for a valid patent.

[2] Applicant has endeavored to insert by amendment a detailed description of a method of producing celluloid substance; but the Examiner quite rightly held that that was new matter. It may have been the result of applicant's experiments made subsequently to filing the application.

The Examiners in Chief are affirmed.

U. S. Circuit Court of Appeals—First Circuit.

WARD BAKING CO. *v.* POTTER-WRIGHTINGTON, INC.

296 Fed. Rep. 296. Decided April 3, 1924.

1. TRADE-MARKS—DEALER IN FLOUR HELD TO HAVE ACQUIRED VALID TRADE-MARK IN WORDS "OLD GRIST MILL" AND PICTORIAL REPRESENTATION USED ON BREAD WRAPPERS.

Dealer in flour, adopting the words "Old Grist Mill," with a pictorial representation of such a mill, and placing these words and pictures on bread wrappers, inducing customers to demand a bread made of "Old Grist Mill Flour," and registering the words and picture as a trade-mark, *Held* to acquire a valid trade-mark in such name and such pictorial representation.

2. SAME—NATURE OF PROPERTY IN "TRADE-MARK."

There is no such thing as property in a trade-mark, except as a right pertaining to an established business or trade in connection with which the mark is employed, the right to such designation, arising out of its use, and its function being to designate goods as the product of a particular dealer and to protect his goodwill against the sale of another's product as his.

3. SAME—TRADE-MARK OF FLOUR COMPANY HELD INFRINGED BY BAKING COMPANY.

A baking company selling a wheat bread called "Homespun" in a wrapper with a picture of an old gristmill, and in its advertisements using the word "Look for the Old Grist Mill" *Held* to have infringed on trade-mark of flour company, which had acquired property right in the words "Old Grist Mill" and a pictorial representation of such a mill.

4. SAME—TEST AS TO INFRINGEMENT OF TRADE-MARKS.

In determining whether there is infringement of trade-mark the test must be whether the similarity of brands would mislead the ordinary observer, since the usual purchaser does not analyze.

5. SAME—PLAINTIFF'S POSSIBLE INFRINGEMENT OF TRADE-MARK OF ANOTHER DOES NOT ENTITLE DEFENDANT TO APPROPRIATE TRADE NAME.

The fact that plaintiff's trade-mark and trade name may infringe the prior trade-mark of another does not defeat plaintiff's right to have defendant enjoined from marketing its goods under a wrapper containing plaintiff's trade-mark and trade name; the element of unfair competition remaining.

6. SAME—FLOUR DEALER AND BAKER HELD IN COMPETITION WITH EACH OTHER.

A manufacturer and a dealer in whole wheat flour, which had sought to increase the sales of its product by extensively advertising bread made from its flour and had furnished bakers using its flour with wrappers bearing its trade-mark, is in competition with a baker selling similar bread in a wrapper which infringes the flour-dealer's trade-mark.

7. SAME—PLAINTIFF, IN SUIT FOR INFRINGEMENT OF TRADE-MARK, HELD NOT TO HAVE COME INTO COURT WITH UNCLEAN HANDS.

In a suit for infringement of trade-mark and unfair competition proof that plaintiff was selling flour as whole-wheat flour though part of the hull of the wheat had been removed therefrom, but that such flour was within the fair and generally-accepted use of the term "whole wheat flour," *Held* not to show plaintiff came into court with unclean hands.

8. SAME—USE OF PLAINTIFF'S TRADE NAME BY OTHERS AFTER ADOPTION BY PLAINTIFF DOES NOT EXCUSE USE BY DEFENDANT.

That others in different parts of the United States have used plaintiff's trade-mark amounts only to a statement that other persons have also imitated and infringed plaintiff's trade-mark and does not excuse defendant's use thereof.

APPEAL from the District Court of the United States for the District of Massachusetts; George W. Anderson, judge.

Suit in equity by Potter-Wrightington, Inc., against the Ward Baking Company to restrain unfair competition and trade-mark infringement. From a decree for plaintiff (288 Fed. 597) defendant appeals. Affirmed.

Mr. W. Brown Morton (*Mr. Wm. Quinby* on the brief) for the appellant.

Mr. Edmund A. Whitman for the appellee.

Before BINGHAM and JOHNSON, Circuit Judges, and HALE, District Judge.

HALE, *Dis. J.:*

This case is now before us on appeal from a decree of the district court that the defendant appellant has infringed the rights of the plaintiff appellee in and to the words "Old Grist Mill" and a pictorial representation of such old mill. The decree enjoins the defendant appellant from using such words and such pictorial representation in connection with the sale of bread, or other food products, and the public advertisement thereof. This is a trade-mark case; it involves some of the usual issues in such cases. In its assignments of error the defendant contend that the court erred:

First, in holding that the plaintiff had any rights in and to the words "Old Grist Mill" and a pictorial representation of such mill;

Second, in holding that the defendant had infringed the rights of the plaintiff;

Third, in enjoining the defendant from using the words "Old Grist Mill," or a pictorial representation thereof, in connection with the sale of bread and other food products, and the public advertisement thereof.

The defendant sets up several distinct defenses, which we will state and consider.

The first assignment of error raises the fundamental question of the validity of the plaintiff's trade-mark.

[1] 1. The proofs show that about 1898 the plaintiff corporation was a commission merchant, a dealer in flour, and a manufacturer of rolled wheat, rye flakes, and other wheat products; that about 1898 it put upon the market an entire-wheat flour and adopted as a mark the words "Old Grist Mill," with a pictorial representation of such a mill; that, thereafter it placed these words and this picture upon its bread wrappers; that it continuously made use of the term "Old Grist Mill"; that it induced customers to demand bread made of Old Grist Mill flour from their bakers and grocers; that it gave public representations of the merit of the bread made from Old Grist Mill flour, selling packages under that name, and directing its advertising to bringing Old Grist Mill products before the public; that it registered the words "Old Grist Mill" and the picture, as a trade-mark, in the United States Patent Office, and in the proper offices in Massachusetts and California; that it spent large sums of money and created a large volume of business in Old Grist Mill products; that it built up in the public mind a goodwill in Old Grist Mill flour; that it so associated its mark with its products that the mark came to identify the origin and ownership of the plaintiff's goods. We think it acquired a valid trade-mark in such name and such pictorial representation.

[2] Property in a trade-mark is not acquired like property in a patent or invention. There is little analogy between a patent and a trade-mark. The courts have pointed out that there is no such thing as property in a trade-mark, except as a right pertaining to an established business or trade in connection with which the mark is employed; that the right to such a designation arises out of its use; that its function is to designate goods as the product of a particular dealer and to protect his goodwill against the sale of another's product as his; that it becomes the subject of property by being used in connection with an existing business, and that by such use it shows the origin of the goods sold, not arbitrarily, but by association of the public mind with the mark. *Hanover Milling Company v. Metcalf*, 240 U. S. 403, 412, 414; 36 Sup. Ct. 357; 60 L. Ed. 713; 1916 C. D. 265; 224 O. G. 1407; *United Drug Company v. Rectanus Co.*, 248 U. S. 90, 96; 39 Sup. Ct. 48; 63 L. Ed. 434; 1918 C. D. 369; 257 O. G. 1882.

[3] 2. The second and third assignments of errors raise the question whether the defendant has infringed the rights of the plaintiff in its trade-mark, and whether it should be enjoined.

The defendant is a baking company. The proofs show that early in 1922 it manufactured and sold a whole-wheat bread called "Homespun." It offered this bread to the public in a wrapper with the words "Ward's Homespun Bread," and with a picture of an old gristmill having a water wheel on the gable end at the side of the building, and on its advertisements it had the words, "Look for the Old Grist Mill."

In the plaintiff's picture the mill is at the front end, and there is a flume leading the water to it. Both pictures represent an old gristmill. Some time afterwards the defendant put out an advertising card with the picture of a mill, with the words:

Back of the loaf is the snowy flour,
And back of the flour the mill,
And back of the mill is the wheat and the shower,
And the sun and the Father's will.

In advertising since January 1, 1922, on pictures showing the old gristmill, the defendant has adventured into more verse, as follows:

Back of the loaf is the Whole Wheat Flour,
Which is ground at the old grist mill,
And back of the mill is the wheat and the shower,
And the Sun and the Father's will.

About 1912 the defendant acquired a bakery in Newark, N. J., which appears to have been using certain quantities of the plaintiff's Old Grist Mill flour, and selling its bread in wrappers received from the plaintiff. After the purchase, this branch of the defendant appellant company, as the proofs show, continued to use plaintiff's Old Grist Mill flour, and received from the plaintiff a large quantity of its Old Grist Mill wrappers.

[4] The emblem adopted by the defendant appellant is not identical with that of the plaintiff appellee. In analyzing the two wrappers, differences may be pointed out which, if known and recognized, might avoid mistaking one for the other. But the usual purchaser does not analyze; he merely looks, perhaps hastily; and the test must be whether the similarity of brands would mislead the "ordinary observer." *Columbia Mill Company v. Alcorn*, 150 U. S. 460; 14 Sup. Ct. 151; 37 L. Ed. 1144; 65 O. G. 1916; 1893 C. D. 672; *Cantrell & Cochrane v. Hygeia Distilled Water Co., Inc.* (C. C. A.), 283 Fed. 400; *Hanover Milling Co. v. Metcalf*, 240 U. S. 403, 424; 36 Sup. Ct. 357; 60 L. Ed.

713; 224 O. G. 1407; 1916 C. D. 265. We think it would so mislead. The proofs persuade us that, when the defendant appellant adopted its design, it had knowledge of the plaintiff's trade-mark; that it has done a large business, and made large sales of bread with such emblems on its wrappers as those which we have described; that it has advertised "Look for the Old Grist Mill"; that, on being notified in February, 1922, of a claim of infringement, it refused to discontinue the words, "Old Grist Mill," and of the picture and advertisement, and has since repeatedly used such design.

Upon a careful examination of the wrappers and the proofs, we are of the opinion that the use by the defendant of the words "Old Grist Mill" and of its picture and advertisement, is deceptively similar to the use by the plaintiff, and is an infringement of the plaintiff's rights in its trade-mark. We agree with Judge Anderson, in the district court, in holding that the wrongful conduct of the defendant was deliberate and persistent; that it was a case of undertaking to appropriate the property of the plaintiff, and to mislead the public into buying its own products when the products of the plaintiff were sought.

[5] 3. The defendant sets up the defense that the plaintiff was anticipated in the use of its trade-mark by one Thornton. It appears that Frank L. Thornton, of Providence, R. I., about 1892, was carrying on a small business as a dealer in corn meal and other cereals; that he adopted a similar emblem (but not the words "Old Grist Mill"), and that he had it registered as a trade-mark and used it in his business in and near Providence. A bill was brought against this plaintiff to restrain an infringement of Thornton's rights. It was demurred to, and was finally dismissed from the docket. There is nothing in the record tending to show that the plaintiff pirated upon any rights of Thornton. There is no question of invention in a trade-mark case. It may be that it will be found that Thornton, in a limited territory, used a design somewhat similar to that of the plaintiff. Upon this point we think the district court has properly held that, even if, for some purposes and in some territory, the Thornton Company may have a right in the trade-mark superior to that of the plaintiff, the defendant is not thereby exonerated from responsibility for an attempt to appropriate to itself a goodwill created by the plaintiff during a long course of business. Whatever Thornton has done or has not done, the ultimate offense is that the defendant has passed off its goods as those of the plaintiff, and has thereby invaded the rights of the plaintiff, rights not acquired by invention or discovery or registration, but by adoption and use. *United Drug Co.* v. *Rectanus Co.*, 248 U. S. 90, 103; 39 Sup. Ct. 48; 63 L. Ed. 434, supra; 257 O. G. 1082; 1918 C. D. 369; *Tetlow* v. *Tappan* (C. C.), 85 Fed. 774; *Merriam Co.* v. *Saalfield*, 198 Fed. 369, 372; 117 C. C. A. 245.

[6] 4. The defendant says that the plaintiff is a baker; the defendant is a miller; that the two are not in competition; and the plaintiff has suffered no injury. In *Aunt Jemima Mills Co.* v. *Rigney & Co.*, 247 Fed. 407, 410; 159 C. C. A. 461, 464 (L. R. A. 1918C, 1839) a trade-mark on self-rising flour was held infringed by the use of the same trade-mark on pancake sirup. In speaking for the court of appeals for the second circuit, Judge Ward said:

> Sirup and flour are both food products, and food products commonly used together. Obviously the public, or a large part of it, seeing this trade-mark on a sirup, would conclude that it was made by the complainant. Perhaps they might not do so, if it were used for flat-irons. In this way the complainant's reputation is put in the hands of the defendants. It will enable them to get the benefit of the complainant's reputation and advertisement. These we think are property rights which should be protected in equity.

In *Carroll* v. *Ertheiler* (C. C.), 1 Fed. 688, the plaintiff manufactured tobacco; the defendant was a cigarette maker. The plaintiff adopted the word "Lone Jack" and the defendant was enjoined from selling "Lone Jack" cigarettes, the court saying that it did not believe the public or the trade would draw such a distinction as the defendant contended for. This last case was cited by Judge Coxe in the circuit court in 1909, in *American Tobacco Company* v. *Polacsek*, 170 Fed. 117. In ordering an injunction the court said:

> Can the trade-mark of a manufacturer of smoking and chewing tobacco be appropriated by the manufacturer of cigarettes? I incline to the opinion that it cannot be. A trade-mark is a guaranty that the goods to which it is attached are made by its owner. If the owner has a high character for honesty, good workmanship, and fair dealings his mark stands for all of these qualities. Those who have been accustomed to his goods see his mark and buy, knowing that they will not be defrauded. Whether a manufacturer confines himself to smoking tobacco, chewing tobacco or cigarettes, he is still in the tobacco business, just as one is in the clothing business whether he makes coats, waistcoats, or trousers, and just as one is in the whisky business whether he makes rye or bourbon. A consumer who believes in McAlpin's tobacco, seeing "Virgin Leaf" cigarettes on the market, will naturally think that they are the product of the McAlpin factory, precisely as if "D. H. McAlpin & Co." had been printed on the package.

See *Collins Co.* v. *Ames Co.* (C. C.) 18 Fed. 561; *British American Tobacco Co.* v. *British American Stores Co.*, 211 Fed. 933; 128 C. C. A. 431; Ann. Cas. 1915B, 363.

The defendant seeks a narrower interpretation of the law, and cites *Borden Ice Cream Co.* v. *Borden's Condensed Milk Company*, 201 Fed. 510; 121 C. C. A. 200, where the circuit court of appeals for the seventh circuit, in an "unfair competition" case, held that in the absence of direct competition the doctrine cannot be invoked.

We think the case at bar must be put upon a broader ground. We think the test should be whether the public is likely to be deceived. Both the plaintiff and the defendant are seeking to induce people to use a whole-wheat flour in bread; the representations of the defendant clearly tend to induce the user of flour to believe that he is getting the plaintiff's flour in his bread, when, in fact, he is getting the defendant's flour. We cannot sustain this defense.

[7] 5. The defendant says that the plaintiff comes into court with unclean hands; that it has put out a cereal product, described as an "entire wheat" product, milled after the plain fashion of the Old Grist Mill; whereas, it has removed from this product that part of the wheat which contains the medicinal properties, and yet, notwithstanding that removal, it makes medicinal claims for the product.

The defendant relies upon the Syrup of Figs case, *Worden* v. *California Fig Syrup Company*, 187 U. S. 516; 23 Sup. Ct. 161; 47 L. Ed. 282 in which case the owners of a trade-mark were refused relief for the reason that their product was made up, not of sirup of figs, but principally of senna. The court held that misrepresentation of the nature or quality of a commodity offered for human consumption constitutes such unclean hands as will prevent the owner of the trade-mark from relief against an infringer; and the defendant says that the plaintiff, in the case at bar, advertised whole-wheat flour, when admittedly the bran part of the wheat had been sifted out, and that therefore the plaintiff's claim, made long ago on its bread wrappers, of certain healthful effect resulting from eating the bread, was unwarranted and deceptive.

We find nothing in the record to show that the defendant was inaccurate in advertising its product as "entire wheat flour." The lexicographers say that "flour" is the finer particles of grain, after the "bran," or the "outer husk" or "broken coat of the seed" of grain, has been sifted out; that flour is the "flower (the best) of meal"; that "for graham flour the entire wheat kernel is used, and for entire-wheat flour all but the coarser bran." It seems clear that "flour" does not include any part of the skin or husk. We think that "entire wheat flour" may be made from the whole seed of the wheat, but without the skin, or rough husk, of the seed. It appears that the plaintiff's flour was made from the seed of the wheat, including all but the coarsest part of the husk or bran; it differed from ordinary wheat flour, from which the entire husk and "middlings" had been removed. We think the elimination of the coarser bran does not prevent the plaintiff's product from being "whole wheat flour" within the generally-accepted use of the term; that the plaintiff was truthful in advertising its product as "whole wheat flour" or "entire wheat flour," in the common use of the English language. Such representations as are shown by the proofs will not bar the plaintiff from relief. *Nelson* v. *Winchell & Co.*, 203 Mass. 75, 84; 89 N. E. 180; 23 L. R. A. (N. S.) 1150; *Coca Cola Co.* v. *Koke Company*, 254 U. S. 143, 145; 41 Sup. Ct. 113, 65 L. Ed. 189. See, also, *American Thermos Bottle Company* v. *Grant Company*, 279 Fed. 151, 156, 158, a district court case citing many authorities, affirmed 282 Fed. 426.

We cannot sustain the charge made by the defendant that the plaintiff has deceived the public, and comes into court with unclean hands.

[8] 6. The defendant has introduced evidence tending to show that others, in different parts of the United States, have used the picture of a grist-mill.

The courts have held that this amounts to a statement that other persons have also imitated and infringed the plaintiff's trade-mark. Mr. Justice Story said that this "rather aggravates than excuses the misconduct [of the defendant], unless done with the consent, or acquiescence of the plaintiffs." *Taylor* v. *Carpenter* (C. C.) 3 Story 458; Fed. Cas. No. 13,784; *Actiengesellschaft, etc.*, v. *Amberg*, 109 Fed. 151; 48 C. C. A. 264; *Saxlehner* v. *Eisner, etc., Co.*, 179 U. S. 19, 37, 39; 21 Sup. Ct. 7; 45 L. Ed. 60; 1900 C. D. 362; 93 O. G. 940.

We are of the opinion that the district court was right in holding, upon the proofs, that the plaintiff has a valid trade-mark, and in making a decree that the defendant has infringed the rights of the plaintiff in and to that trade-mark, and in making its further decree that the defendant be enjoined from such infringement.

The decree of the district court is affirmed. The plaintiff appellee recovers costs in this court.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc., suit filed Mar. 2, 1925, D. C., S. D. N. Y., Doc. E 31/204, *General Electric Co.* v. *Austin Chemical Co., Inc., et al.* Same, suit filed Nov. 24, 1924, D. C., S. D. N. Y., Doc. E 30/285, *General Electric Co.* v. *I. S. Kaskel (Kas Kil Electric Lamp Co.)*. Order dismissing bill of complaint without prejudice Feb. 5, 1925.

1,082,933. (See 1,018,502.)

1,093,251, Brosch & von Aufschnaiter, Apparatus for effecting subaqueous irrigation of the bowels, suit filed Mar. 5, 1925, D. C., S. D. N. Y., Doc. E 31/239, *A. Klaiber* v. *Physicians Hygienic Institute, Inc., et al.*

1,162,864, 1,353,124, C. J. Klein, Electric switch; Des. 50,353, same, Feed-through switch, final decree reversing decree of July 18, 1923, as to Patent 1,162,864 and dismissing bill of complaint as to said patent Mar. 4, 1925, D. C., S. D. N. Y., Doc. E 21/11, *The Cutler Hammer Mfg. Co.* v. *D. Killoch Co.* Same, Doc. E 21/12, *The Cutler Hammer Mfg. Co.* v. *Beaver Machine & Tool Co., Inc.*

1,182,290, G. S. Meikle, Rectifier and method of operating same; 1,266,517, same, Rectifier; 1,208,597, G. M. J. Mackay, Inclosed-arc device and method of operating same; 1,393,520, E. Friederich, Inclosed-arc device and method of starting same, suit filed Mar. 5, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1391, *General Electric Co.* v. *C. & C., Inc., et al.*

1,195,076, P. C. Osteen, Camera; 1,197,901, Bornmann & Clark, Photographic camera; 1,268,805, Topliff, Bornmann & Clark, Automatic film-winding camera, suit filed Mar. 2, 1925, D. C., N. D. N. Y., Doc. 590, *P. C. Osteen* v. *Ansco Photoproducts, Inc.*

1,197,901. (See 1,195,076.)

1,208,597. (See 1,182,290.)

1,219,891, H. Williams, Sectional furniture; 1,221,948, S. D. Young, Sectional furniture construction; 1,290,782, M. Reigersberg, Combination

sectional furniture and knockdown shelving section, suit filed Mar. 2, 1925, D. C. Oreg., Doc. E 8723, *Grand Rapids Show Case Co.* v. *Weber Show Case & Fixture Co. et al.*

1,221,948. (See 1,219,891.)

1,245,449, E. Edelman, Syringe hydrometer housing; 1,262,478, F. L. Freas, Hydrometer syringe, suit filed Feb. 14, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4645, *E. Edelman & Co.* v. *Ala Mfg. Co. et al.*

1,262,478. (See 1,245,449.)

1,266,517. (See 1,182,290.)

1,268,805. (See 1,195,076.)

1,272,883, H. Adelmann, Ham boiler, suit filed Mar. 6, 1925, D. C., S. D. N. Y., Doc. E 31/242, *Ham Boiler Corp.* v. *H. Hugo et al.*

1,290,782. (See 1,219,891.)

1,353,124. (See 1,162,864.)

1,393,520. (See 1,182,290.)

1,397,098, N. Hellem Hand truck, filed Mar. 4, 1925, D. C. Oreg., Doc. E 8724, *N. Hellem* v. *Kerr, Gifford & Co., Inc.*

1,522,142, G. H. Rasmuson, Temporary binder, suit filed Mar. 5, 1925, D. C., S. D. N. Y., Doc. E 31/241, *The C. E. Sheppard Co.* v. *Standard Statistics Co., Inc., et al.*

Des. 50,353. (See 1,162,864.)

Des. 64,953, F. S. Crowell, Bracket back for lighting fixture; Des. 64,954, Des. 64,955, same, Cast arm for lighting fixture; Des. 64,956, same, Cast canopy for lighting fixture; Des. 64,957, same, Cast loop for lighting fixture; Des. 64,958, same, Cast brace for lighting fixture; Des. 64,959, Des. 64,960, Des. 64,961, same, Cast plate for lighting fixture, final consent decree in favor of plaintiff, D. C. E. D. N. Y., Doc. 1927, *E. N. Riddle Co.* v. *M. Stern et al. (Biltmore Lighting Fixtures).*

Des. 64,954. (See Des. 64,953.)

Des. 64,955. (See Des. 64,953.)

Des. 64,956. (See Des. 64,953.)

Des. 64,957. (See Des. 64,953.)

Des. 64,958. (See Des. 64,953.)

Des. 64,959. (See Des. 64,953.)

Des. 64,960. (See Des. 64,953.)

Des. 64,961. (See Des. 64,953.)

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1925.*

Stanley Clague, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Fred A. Smith, 1426 West Third Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered December 20, 1910, No. 80,410, to Stanley Clague, First National Bank Building, Chicago, Ill., and a notice of such declaration sent by registered mail to said Stanley Clague at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Stanley Clague, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

Mark Miller and Charles D. Miller, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Stockport Milling Co., Stockport, Ohio, and Butler County Milling Company, Poplar Bluff, Mo., for registrations of trade-marks and trade-mark registered November 20, 1894, No. 25,545, to Mark Miller and Charles D. Miller, Vassar, Mich., and a notice of such declaration sent by registered mail to said Mark Miller and Charles D. Miller at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mark Miller and Charles D. Miller, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

The American Radio Sales and Service Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Multiple Electric Products Company, Inc., 61 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 11, 1922, No. 156,611, to The American Radio Sales and Service Company, of Mansfield, Ohio, and a notice of such declaration sent by registered mail to The American Radio Sales and Service Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The American Radio Sales and Service Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 16, 1925.*

The Brighton Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Agnes C. Graves, of 425 East Water Street, Milwaukee, Wis., for registration of a trade-mark and trade-mark registered July 28, 1908, No. 70,095, to The Brighton Chemical Co., 232 East Fourth Street, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to The Brighton Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Brighton Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweckly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweckly, 289 Fourteenth Avenue, Astoria, Long Island N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y.; William A. Ready, 112 Winthrop Road, Brookline, Mass.; and Walter W. Wood, R. F. D. No. 3, Canton, Ohio, and the Office having failed to secure service on the said Zweckly, notice is hereby given that unless said Zweckly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweckly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweckly, 289 Fourteenth Avenue, Astoria, Long Island, N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y., and William A. Ready, 112 Winthrop Road, Brookline, Mass., and the Office having failed to secure service on the said Zweckly, notice is hereby given that unless said Zweckly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, APRIL 28, 1925.

[VOL. 333. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 138,831. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TIMELY FILMS, INC., New York, N. Y. Filed Oct. 27, 1920.

TOPICS OF THE DAY

Particular description of goods.—Text Motion-Picture Films and Text Slides for use by Motion-Picture Exhibitors.

Claims use since about May, 1918.

Ser. No. 170,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AGAR PACKING & PROVISION COMPANY, Chicago, Ill. Filed Oct. 9, 1922.

AGAR

The cross hatch lines on the drawing designate the color red, the word "Agar" being black in color.

Particular description of goods.—Beef, Pork, Sheep, and Veal Carcasses and Parts Thereof.

Claims use since Dec. 15, 1921.

Ser. No. 170,668. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEON A. OLMSTED, doing business as United States Athletic Company, Chicago, Ill. Filed Oct. 12, 1922.

NUVALU

Particular description of goods.—Shaving Stick, Shaving-Powder Soap, Razor Strops, Razor Hones, and Soap.

Claims use since Sept. 15, 1922.

Ser. No. 175,475. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DUPLAN SILK CORPORATION, New York, N. Y. Filed Feb. 3, 1923.

STELLA

Particular description of goods.—Silk Piece Goods.

Claims use since June 10, 1922.

Ser. No. 185,397. (CLASS 39. CLOTHING.) LOUIS WOLFSON, doing business as The East Coast Jobbing House, Miami, Fla. Filed Sept. 6, 1923.

WOLF BRAND

The word "Brand" is disclaimed apart from the mark as shown.

Particular description of goods.—Work Shirts, Underwear of Knitted and Textile Fabrics, and Overalls and Work Jackets for Men; Also Hosiery for Men, Women, and Children.

Claims use since about Dec. 1, 1917.

Ser. No. 186,851. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) OSAKA ORIMONO KABUSHIKI-KAISHA, Sakai, Japan. Filed Oct. 11, 1923.



The characters within the first oval at the left read "Tempo Tsuho," the word "Tempo" being the name of a Japanese era of about 100 years ago, while the word "Tsuho" means currency. The characters at the upper portion of the oval at the extreme right are read "To Hyaku," meaning equivalent to 100 mon, "Mon" being the unit of currency of the Tempo era. The mark at the lower portion of the oval at the extreme right is what is known in Japanese as "Kaki-Han," meaning a stamp or seal made by hand.

Particular description of goods.—Cotton Piece Goods.
Claims use since November, 1906.

Ser. No. 187,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. O. WHEELER, Portland, Oreg. Filed Oct. 20, 1923.

Sugar Crest

Particular description of goods.—Bakery Goods—Namely, Pies, Cakes, Doughnuts, Cookies, Macaroons, and Butterhorns.
Claims use since 1922.

Ser. No. 187,343. (CLASS 15. OILS AND GREASES.) EDWARD F. PENNY, Chicago, Ill. Filed Oct. 22, 1923.



No claim is made to the representation of the oil can and a facsimile thereon apart from the mark as shown.

Particular description of goods.—Lubricating Oil.
Claims use since Aug. 25, 1923.

Ser. No. 187,594. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) VOSS & STERN, INC., New York, N. Y. Filed Oct. 27, 1923.

Challi-prints

No claim is made to the words "Challi-Prints" apart from the mark shown in the drawing. The inner line of the design around the mark is to be printed in red ink, and the outer line forming a distinctive design is to be printed in black ink.

Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 1, 1923.

Ser. No. 188,468. (CLASS 39. CLOTHING.) BLUE BIRD HOSIERY SHOP, New Bedford, Mass. Filed Nov. 17, 1923.

A-100

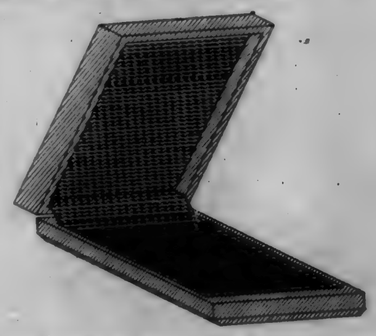
Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since May, 1922.

Ser. No. 188,860. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PEERLESS PLUSH MANUFACTURING COMPANY, Paterson, N. J. Filed Nov. 24, 1923. Under ten-year proviso.

Peerless Fabrics

Particular description of goods.—Pile Fabrics Made of Silk and/or Mohair, and/or Worsted, and/or Cotton; Velvet, Velours, and Plushes for Furniture and Draperies and Dress Fabrics; Body Cloth and Head Lining for Automobiles Made of Mohair and/or Worsted and/or Camel's Hair, Mohair Covering for Seats in Pullman Cars.
Claims use since about 1890.

Ser. No. 188,902. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE GRUEN WATCH COMPANY, Cincinnati, Ohio. Filed Nov. 26, 1923.



The trade-mark comprises the particular color scheme employed with the containers of the goods, said containers comprising an outer brown covering, a black pad covering the bottom of the container and on which the goods are disposed, a golden covering for the inside of the lid of the container, and a golden edging extending about the black pad. No claim is made to the representation of the container per se.

Particular description of goods.—Watches.
Claims use since 1913.

Ser. No. 189,435. (CLASS 39. CLOTHING.) WHEELER'S, INCORPORATED, Chicago, Ill. Filed Dec. 8, 1923.

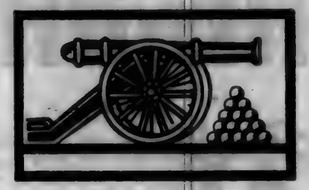


The picture on the drawing is fanciful.

Particular description of goods.—Men's and Women's Clothing—Namely, Suits, Overcoats, Men's Leather Shoes; Millinery—Namely, Ladies' Hats; Hosiery, Furs, Ladies' Waists, Skirts, Dresses, and Sweaters.
Claims use since October, 1915.

Ser. No. 189,964. (CLASS 39. CLOTHING.) CANNON MILLS, INC., New York, N. Y. Filed Dec. 21, 1923.

CANNON



Particular description of goods.—Hosiery.
Claims use since Aug. 28, 1922.

Ser. No. 190,300. (CLASS 39. CLOTHING.) CHAS. LEETHEM & Co., Portsmouth, England, assignor to Leethems Limited, Portsmouth, England, a British Company. Filed Dec. 31, 1923.

Twilfit

Particular description of goods.—Corsets and Belts for Wear, Ladies' Shirts and Blouses.
Claims use since Oct. 2, 1906, in respect of stays, corsets, and belts for wear, and since Mar. 29, 1912, in respect of ladies' shirts and blouses.

Ser. No. 190,301. (CLASS 39. CLOTHING.) CHAS. LEETHEM & Co., Portsmouth, England, assignor to Leethems Limited, Portsmouth, England, a British Company. Filed Dec. 31, 1923.

Twilfit

Particular description of goods.—Corsets and Belts for Wear, Ladies' Shirts and Blouses.
Claims use since Oct. 2, 1906, in respect of stays, corsets, and belts for wear, and since Mar. 29, 1912, in respect of ladies' shirts and blouses.

Ser. No. 191,012. (CLASS 39. CLOTHING.) M. GERLA & SON, New York, N. Y. Filed Jan. 19, 1924.

MISS JUNIOR

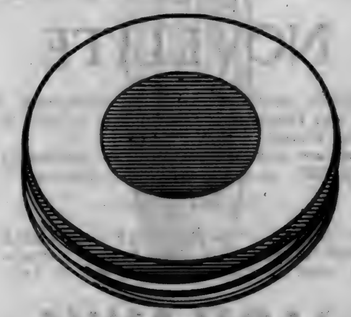
Particular description of goods.—Girls' and Misses' Dresses, Coats, Overcoats, Suits, Silk and Knitted Hosiery, Leather and Fabric Gloves, Hats, and Sweaters.
Claims use since Jan. 19, 1921.

Ser. No. 191,013. (CLASS 39. CLOTHING.) M. GERLA & SON, New York, N. Y. Filed Jan. 19, 1924.

JUNIOR MISS

Particular description of goods.—Girls' and Misses' Dresses, Coats, Overcoats, Suits, Silk and Knitted Hosiery, Leather and Fabric Gloves, Hats, and Sweaters.
Claims use since Jan. 19, 1921.

Ser. No. 191,247. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ADAMS BROS. & Co., Chicago, Ill. Filed Jan. 25, 1924.



The drawing shows the trade-mark lined for blue on the representation of a jar cap; but no exclusive claim is made for the representation of the cap except as it may be used in connection woth the trade-mark.

Particular description of goods.—Jar Caps.
Claims use since July 27, 1922.

Ser. No. 191,293. (CLASS 39. CLOTHING.) BIEDERT SOMMER COMPANY, New York, N. Y. Filed Jan. 26, 1924.

The Duett

Particular description of goods.—Combination Underwear Garments for Women—Namely, Combinations, Brassière and Step-In, Brassière and Vest, and Brassière and Union Suit. The Brassières and Step-Ins are Made of Textile Fabric. The Vest is Made of Knitted Fabric. The Union Suit is Made of Knitted Fabric or Textile Fabric.

Claims use since Dec. 11, 1923.

Ser. No. 191,928. (CLASS 32. FURNITURE AND UPHOLSTERY.) UNITED BASKET AND NURSERY FURNITURE MFG. CO., INC., New York, N. Y. Filed Feb. 6, 1924.



No claim is made to the words "Products," "Trade-Mark," and "New York" apart from the mark shown on the drawing.

Particular description of goods.—Nursery Furniture—Namely, Tables, High Chairs, Low Chairs, Rockers, Comfort Chairs, Beds, Cribs, Bassinets, Wardrobes, and Clothes Racks.

Claims use since 1918.

Ser. No. 192,027. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARGARET MILLS, INC., Kings Mountain, N. C. Filed Feb. 8, 1924.

NOVELITE

Particular description of goods.—Bedspreads, Pillow Shams, and Draperies of Cotton, Silk, or Wool or Combinations Thereof.

Claims use since Aug. 10, 1919, on bedspreads; since Jan. 14, 1924, on pillow shams and draperies.

Ser. No. 192,092. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) FRED RUEPING LEATHER COMPANY, Fond du Lac, Wis. Filed Feb. 9, 1924.

MOHAWK

Particular description of goods.—Leather.

Claims use since 1909.

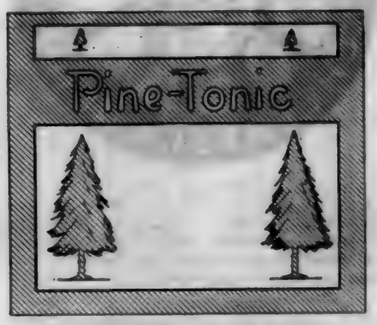
Ser. No. 192,459. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) VICTOR MOTORS, INC., St. Louis, Mo. Filed Feb. 16, 1924.

LIGHTNIN

Particular description of goods.—Motor Trucks.

Claims use since June 6, 1923.

Ser. No. 192,704. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, St. Paul, Minn. Filed Feb. 23, 1924.



The lining inclosing the mark is colored green. The word "Tonic" appearing in the mark is disclaimed.

Particular description of goods.—Shampoo.

Claims use since Feb. 7, 1924.

Ser. No. 192,725. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NARWOOD BROS., Brooklyn, N. Y. Filed Feb. 23, 1924.



The picture shown in the drawing is the fanciful representation of a nurse.

Particular description of goods.—Unmedicated White Cotton Gauze in the Piece.

Claims use since about 1894.

Ser. No. 192,985. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN P. MILLER, doing business as Nu-Vim Chemical Co., Port Gibson, Miss. Filed Feb. 28, 1924.



-NU-

Particular description of goods.—Ointment Preparation for Stubborn Hair, Chill Tonic, Liniment, and Cough Sirup.

Claims use since June 1, 1923.

Ser. No. 193,079. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MIKE SOULIAS, doing business as Soulias Candy Company, Wyandotte, Mich. Filed Feb. 29, 1924.



The exclusive right to the use of the words "Sweet Bite" apart from the mark shown is hereby disclaimed.

Particular description of goods.—Candy.

Claims use since Feb. 4, 1924.

Ser. No. 193,464. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KIENZLE UHRENFABRIKEN A.-G., Schwenningen, Germany. Filed Mar. 8, 1924.

Argo

Particular description of goods.—Fare Indicators.

Claims use since April, 1919.

Ser. No. 194,323. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BEACON TIRE & RUBBER CORPORATION, Beacon, N. Y. Filed Mar. 24, 1924.



Applicant disclaims any right to the exclusive use of a representation of a tire apart from the mark as shown.

Particular description of goods.—Vehicle Tires Having Rubber as Their Chief Component Part.

Claims use since 1916.

Ser. No. 194,324. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BEACON TIRE & RUBBER CORPORATION, Beacon, N. Y. Filed Mar. 24, 1924.



Applicant disclaims any right to the exclusive use of a representation of a tire apart from the mark as shown.

Particular description of goods.—Vehicle Tires Having Rubber as Their Chief Component Part.

Claims use since 1915.

Ser. No. 194,325. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) BEACON TIRE & RUBBER CORPORATION, Beacon, N. Y. Filed Mar. 24, 1924.



Applicant disclaims any right to the exclusive use of a representation of a vehicle tire apart from the mark as shown.

Particular description of goods.—Vehicle Tires Having Rubber as Their Chief Component Part.

Claims use since 1915.

Ser. No. 194,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES P. MCGILL, Chicago, Ill. Filed Mar. 29, 1924.

Dr James McGill's
SUPPOSITORIES

No claim is made to the word "Suppositories" appearing in the drawing apart from the mark shown.

Particular description of goods.—Suppositories in the Treatment of Chronic Diseases Peculiar to Women.

Claims use since Jan. 1, 1924.

Ser. No. 194,720. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE LIVERPOOL BORAX CO. LTD., Liverpool, England. Filed Mar. 31, 1924.

RITOLASTIC

Particular description of goods.—Paint or Liquid Coating.

Claims use since Mar. 20, 1922.

Ser. No. 194,733. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NARWOOD BROS., Brooklyn, N. Y. Filed Mar. 31, 1924.



Particular description of goods.—White and Colored Crinoline Linings in the Piece.

Claims use since about 1890.

Ser. No. 194,793. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) GENERAL DIE CASTING & MACHINE CO., Chicago, Ill. Filed Apr. 1, 1924.

GENERAL

Particular description of goods.—Die-Cast Machine Parts.

Claims use since March, 1921.

Ser. No. 195,656. (CLASS 12. CONSTRUCTION MATERIALS.) SOCIETE ANONYME DES CHAUX ET CIMENTS DE LAFARGE ET DU TEIL, Viviers, Ardeche, France. Filed Apr. 16, 1924.



No claim is made to the wording in the drawing apart from the mark shown.

Particular description of goods.—Lime and Cement.

Claims use since Jan. 20, 1922.

Ser. No. 196,676. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DAVID ROTHSCHILD & Co., Columbus, Ga. Filed May 6, 1924.

TRUFAST
FABRICS

No claim is made to the exclusive right of the use of the word "Fabric" appearing in the drawing apart from the mark shown.

Particular description of goods.—Cotton, Woolen, Linen, and Silk Piece Fabrics.

Claims use since Feb. 15, 1924.

Ser. No. 197,430. (CLASS 32. FURNITURE AND UPHOLSTERY.) G. F. GREENE CO., Manchester, Conn. Filed May 22, 1924.

PEE GEE
Backs

The word "Backs" is disclaimed apart from the mark shown.

Particular description of goods.—Chair Backs to be Used When Sitting in the Sand.

Claims use since about May 1, 1924.

Ser. No. 197,998. (CLASS 39. CLOTHING.) THE DRY GOODS ALLIANCE, INC., New York, N. Y. Filed June 3, 1924.

Lion

Particular description of goods.—Hosiery.

Claims use since January, 1903.

Ser. No. 198,151. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTON COMPANY, Worcester, Mass. Filed June 5, 1924.

INDIA

Trade-mark "India."

Particular description of goods.—Oilstones, Hones, Whetstones, Scythe Stones, Rubbing Bricks, Engravers' Pencils, Oilstone Wheels, and Abrasive and Sharpening Stones.

Claims use since Feb. 15, 1899.

Ser. No. 198,691. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TOSTI MFG. CO., INC., New York, N. Y. Filed June 16, 1924.

SPORTOWEL

Particular description of goods.—Woven Cloth Hand Towels.

Claims use since Nov. 1, 1923.

Ser. No. 199,379. (CLASS 15. OILS AND GREASES.) MERCHANTS OIL COMPANY, Shamokin, Pa. Filed June 30, 1924.

MEROCO
MOTOR
OILS
MERCHANTS OIL CO.
SHAMOKIN, PA.

No claim is made to the words "Motor Oils" apart from the mark shown in the drawing.

Particular description of goods.—Lubricating Oils.

Claims use since May 20, 1924.

Ser. No. 199,520. (CLASS 32. FURNITURE AND UPHOLSTERY.) BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass. Filed July 3, 1924.



No rights are asserted to the exclusive use of the words "Products" and "Established in 1869" apart from the mark shown in the drawing.

Particular description of goods.—Upholstery, Stuffing, and Filling Materials—Namely, Batts, Cotton, Excelsior, Felt, Fiber, Hair, Husks, Jute Rolls, Kapok, Linters, Moss, Rattan, Sea Grass, Tow, Tufts, and Wood Wool.

Claims use since June 19, 1924.

Ser. No. 199,740. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE AMERICAN FORK & HOE COMPANY, Cleveland, Ohio. Filed July 8, 1924.

I-D-L

Particular description of goods.—Stamped-Metal Handle Tops for D Handles for Shovels, Forks, and Spades.
Claims use since about June 15, 1924.

Ser. No. 199,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALEXANDRIA LABORATORIES, Los Angeles, Calif. Filed July 12, 1924.

VEL-VO

Particular description of goods.—Hairdressing.
Claims use since Apr. 1, 1923.

Ser. No. 200,272. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed July 19, 1924.

Dissolvo

Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in the Treatment of Goiter, Ointment Exercising a Remedial Effect in the Treatment of Piles or Hemorrhoids.
Claims use since June 21, 1924.

Ser. No. 200,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed July 19, 1924.



Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in the Treatment of Goiter, Ointment Exerting a Remedial Effect in the Treatment of Piles or Hemorrhoids, Medicinal Preparation Exercising a Remedial Effect in the Treatment of Disorders of the Kidney and Bladder, Medicinal Preparation Exercising a Remedial Effect in the Treatment of Rheumatism and Kindred Disorders, Medicinal Preparation Exercising a Remedial Effect in the Treatment of Nervous Disorders, Medicinal Preparation Exerting a Remedial Effect in the Treatment of Indigestion and Kindred Disorders, and Hair Tonic.
Claims use since June 21, 1924.

Ser. No. 201,502. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) KOCHS ADLERNÄHMASCHINEN-WERKE A. G., Bielefeld, Germany. Filed Aug. 16, 1924.

Original-Adler.

Particular description of goods.—Machine and Tool Manufactures for Sewing-Machine Industry and Iron Foundries—To wit, Sewing Machines, Spare Parts, Sewing Machine Power Benches, Sewing-Machine Stands, Sewing-Machine Stools, and Embroidery Frames for Sewing Machines.
Claims use since May 10, 1896.

Ser. No. 201,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZACCHEUS W. WHITE, Oakland, Calif. Filed Aug. 27, 1924.



The words "Trade-Mark" appearing in the mark are hereby disclaimed apart from the other features of the mark.
Particular description of goods.—Cakes, Pies, and Sandwiches.
Claims use since Aug. 15, 1924.

Ser. No. 202,699. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CLAUDE L. FREELAND, Bristow, Okla. Filed Sept. 17, 1924.



The words "Quality" and "Service" are disclaimed apart from the remainder of the mark shown.
Particular description of goods.—Farm, Stock, and Dairy Products—Namely, Fresh Milk, Fresh Cream, Cheese, Butter, Buttermilk, Eggs, Ham, Bacon, Fresh Vegetables, Fresh Deciduous Fruits, Ice Cream, Fruit Jellies, Fruit Preserves, Jams, and Nuts in Their Natural State.
Claims use since July 1, 1924.

Ser. No. 202,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT BOEHRINGER, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Filed Sept. 18, 1924.

Bilival

Particular description of goods.—Medicinal Preparations for Treating Gall and Liver Diseases, Gallstone Specifics.
Claims use since Aug. 7, 1918.

Ser. No. 202,786. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND WEIDNER, Berlin, Germany. Filed Sept. 19, 1924.



Particular description of goods.—Albuminates, Albumoses, and Dissolutions of Said Substances to be Employed for Hygienic Purposes, Especially as Cosmetics and Trichogenous Means, Disinfectants, Dentifrices, and Collutoria.
Claims use since May 1, 1924.

Ser. No. 203,128. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NAAMLOOZE VENNOOTSCHAP NEDERLANDSCHE KUNSTZIJDEFABRIEK, Arnhem, Netherlands. Filed Sept. 27, 1924.

AMPLUM

Particular description of goods.—Ribbons, Materials, Fabrics, Knitted Goods, and Tricots in the Piece, Made from Artificial-Silk Yarn and Other Textile Fibers.
Claims use since July 1, 1924.

Ser. No. 203,192. (CLASS 12. CONSTRUCTION MATERIALS.) THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Filed Sept. 29, 1924.

FLOTEX

Particular description of goods.—Prepared Roofing Saturated and Coated with an Elastic Waterproof Compound.
Claims use since May, 1923.

Ser. No. 203,247. (CLASS 48. THREAD AND YARN.) BRITISH CELANESE LIMITED, London, England. Filed Sept. 30, 1924.

Celfect

Particular description of goods.—Threads and Yarns Composed Partly of Cellulose Acetate and Partly of Cotton.
Claims use since Aug. 29, 1924.

Ser. No. 203,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALDWIN PACKERS, LTD., Lahaina, Maui, Territory of Hawaii. Filed Oct. 10, 1924.

BALDWIN'S BEST
BB

Applicant disclaims the exclusive right to the use of the word "Best" apart from the mark as shown.
Particular description of goods.—Canned Pineapple.
Claims use since Aug. 29, 1924.

Ser. No. 203,685. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MADISON WOOLEN CO., Madison, Me. Filed Oct. 10, 1924.

SUEDORA

Trade-mark consists of the word "Suedora."
Particular description of goods.—Woolen Piece Goods.
Claims use since July 1, 1924.

Ser. No. 203,926. (CLASS 39. CLOTHING.) THE ALLIED BELTING COMPANY, Greenville, Ohio. Filed Oct. 16, 1924.

GREEN DUCK

Particular description of goods.—Carpenter Aprons.
Claims use since Jan. 1, 1924.

Ser. No. 204,196. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ELIAS REISS & CO., INC., New York, N. Y. Filed Oct. 20, 1924.

Klingnot Kloth

No claim is made for "Kloth" apart from the mark shown by the drawing.
Particular description of goods.—Cotton Cloth in the Piece Used for Making Garments, Such as Petticoats, Princess Slips, Pyjamas, Shirts, Etc.
Claims use since May 28, 1924.

Ser. No. 204,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) R. C. DE WITT & CO. INC., Chicago, Ill. Filed Oct. 28, 1924.



Baby COUGH SYRUP

No claim is made to the words "Cough Syrup" apart from the mark shown, the picture being fanciful.
Particular description of goods.—Cough Sirup.
Claims use since January, 1924.

Ser. No. 204,679. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Oct. 31, 1924.

STIFEL EXPRESS

Trade-mark consists of the representation of a boot in castellated outline, within which appears the word "Stifel" in dots, associated with the word "Express."
Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 26, 1924.

Ser. No. 204,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN FARNUM CO., Philadelphia, Pa. Filed Nov. 7, 1924. Under ten-year proviso.

CONESTOGO

Trade-mark consists of the word "Conestogo."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1873 or previously.

Ser. No. 205,079. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES MOORE & COMPANY LIMITED, Liverpool and Lymm, near Warrington, England. Filed Nov. 10, 1924.

MATTOGEN

Particular description of goods.—Chemical Composition for Paper Coating and Similar Purposes.
Claims use since 1922.

Ser. No. 205,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE MOLINARD JEUNE, Grasse, France. Filed Nov. 11, 1924.



The words "Grasse Paris" and "L'Eau de Cologne" appearing on the drawing is hereby disclaimed apart from the mark shown.
Particular description of goods.—Perfumes, Toilet Waters, Face Powder, Talcum Powder, Sachet, Eau de Cologne, Lotion for Skin and Hair, Eau de Quinine, Brilliantine, Dentifrices, Rouges, and Face Cream.
Claims use since Mar. 12, 1923.

Ser. No. 205,281. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOTE & MOTE, Indianapolis, Ind. Filed Nov. 14, 1924.



Particular description of goods.—Foot Powder and Corn Remedy.
Claims use since June 15, 1924.

Ser. No. 205,314. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BUCYRUS COMPANY, Milwaukee, Wis. Filed Nov. 15, 1924.

BUCYRUS

Particular description of goods.—Power Shovels, Railway-Type Power Shovels, Revolving Power Shovels, Excavating Machinery, and Excavators—Namely, Grab-Bucket Excavators, Clamshell Excavators, Orange-Peel Excavators, Drag-Line Excavators, Trench Excavators, Tower Excavators; Coal Loaders, Coal-Loading Machinery; Dredges and Dredging Machinery—Namely, Dipper Dredges, Elevator Dredges, Alluvial Mining Dredges, Clamshell Dredges, Hydraulic or Suction Dredges; Unloading Plows, Spreader Plows, Unloading Machines; Cranes—Namely, Traveling Cranes, Railway Wrecking Cranes, Railway Breakdown Cranes; Pile Drivers—Namely, Railway Locomotive Pile Drivers, Railway Pile-Driving Machines, Floating Pile Drivers; Pumps—Namely, Pumps for Excavating Purposes; Liquid Pumps and Air Pumps, Hoists—Namely, Power-Operated Hoists, Manually-Operated Hoists, and Power Boom Hoists; Derricks, Power-Operated Derricks, Manually-Operated Derricks, and Mobile Derricks; Winches, Air Compressors, Fans, Steam Engines, Creeping Traction Mechanism, Revetment Plants, Force-Feed Lubricators, Rollers for Use with Machines Mounted on Skids, Hydraulic Jacks, Ratchet Jacks, Injectors, Dipper Trips, Fuel Hoists, Lifting Beams, Dredge Buckets, Grab Buckets, Clamshell Buckets, Orange-Peel Buckets, Drag Buckets, Excavating Dippers, Dipper Teeth, Automatic Stokers for Steam Boilers, Steering Wheels, and Repair, Spare, and Replacement Parts for the Specified Goods; Such of the Foregoing as are Power Operated being Operated by Steam Power, Electrically Operated, Gasoline-Engine Power, Diesel-Engine Power, Semi-Diesel-Engine Power, or Other Power.
Claims use since 1888.

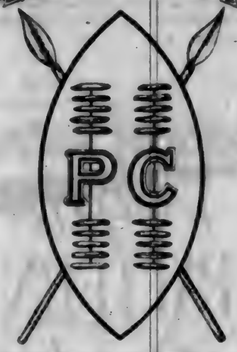
Ser. No. 205,451. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Nov. 17, 1924.



Applicant disclaims the words "Pure Wool Knitted Fabrics" apart from the mark shown on the drawing.
Particular description of goods.—Knitted Textile Fabrics Composed of Cotton, Silk, Wool, or Combinations Thereof.
Claims use since September, 1919.

Ser. No. 205,616. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. D. STRAUS & CO., New York, N. Y. Filed Nov. 20, 1924.

ASSEGAI



Particular description of goods.—Cotton Piece Goods.
Claims use since May 17, 1924.

Ser. No. 205,739. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK A. BUSSE SALES CO., San Francisco, Calif. Filed Nov. 24, 1924.

Elbo-eze

Particular description of goods.—Automobile Polish.
Claims use since November, 1923.

Ser. No. 205,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDISON CITRUS ASSOCIATION, Edison, Calif. Filed Nov. 25, 1924.

Early Bird

Particular description of goods.—Fresh Oranges.
Claims use since about Sept. 15, 1924.

Ser. No. 205,830. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONALE LABORATORIEN ARLESHEIM A. G., Arlesheim, Switzerland. Filed Nov. 25, 1924.

WELEDA

Particular description of goods.—Medicines for Headache, Hay Fever, Influenza, Chilblains, and Dietetic Ailments, and Lotions for the Hair, Hair Oil, and Dentifrices.
Claims use since September, 1924.

Ser. No. 205,831. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONALE LABORATORIEN ARLESHEIM A. G., Arlesheim, Switzerland. Filed Nov. 25, 1924.

DYSTEMPO

Particular description of goods.—Medicines for the Treatment of Dogs' Distemper.
Claims use since April, 1924.

Ser. No. 205,893. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Nov. 26, 1924.

VEEDOL
T and D

Particular description of goods.—Lubricating Grease.
Claims use since Oct. 28, 1924.

Ser. No. 205,963. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Nov. 28, 1924.



General tone of the label is red and yellow, and the bulldog being presented in broken colors in brown and white.

Particular description of goods.—Cotton Piece Goods.

Claims use since April, 1909.

Ser. No. 206,060. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) HARRY WALLACH, Elizabeth, N. J. Filed Dec. 1, 1924.



Particular description of goods.—Suction-Cup Hooks on Which Small Light-Weight Articles Are Adapted to be Hung.

Claims use since June 6, 1923.

Ser. No. 206,114. (CLASS 39. CLOTHING.) T. H. DOWNING & CO. LIMITED, Leicester, England. Filed Dec. 2, 1924.



KNITROYAL

Particular description of goods.—Hosiery, Undershirts, Pants, Combination Shirt and Pants, Underdrawers, Cami-Knickers, Cardigan Jackets, Undercoats, Jerseys, Singlets, Gloves, Mittens, Work Shirts, Negligee Shirts, Dress Shirts, Vests, Petticoats, Underskirts, Dress Skirts, Bodices, Pelisses, Bloomers, Knickers, Blousers, Aprons, Knitted Coats, Knitted Leggings, Gaiters, Outer Coats, Cloaks, Capes, Trousers, Waistcoats, Nightdresses, Pyjama Suits, and Bed Socks, Corsets, Boys' and Girls' Jersey Suits, Bathing Suits and Costumes, Overalls, Mufflers, Scarfs, and Shawls All Made of Knitted or Textile Fabric, for Men, Women, and Children.

Claims use since July 4, 1924.

Ser. No. 206,139. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE TEXAS CARBON INDUSTRIES, INC., Breckenridge, TEX. Filed Dec. 2, 1924.



No claim is made to the words "Carbon Black" and "Brand" aside from the mark shown.

Particular description of goods.—Carbon Black.

Claims use since July 3, 1923.

Ser. No. 206,157. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Dec. 3, 1924.

Vogue
PATTERN
Book

The words "Pattern Book" being disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Publication Published Every Two Months.

Claims use since August, 1923.

Ser. No. 206,158. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CONDE NAST PUBLICATIONS, INC., New York, N. Y. Filed Dec. 3, 1924.

CHILDREN'S VOGUE

Particular description of goods.—Publication Published Every Two Months.

Claims use since February, 1924.

Ser. No. 206,210. (CLASS 24. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE COLEMAN LAMP COMPANY, Wichita, Kans. Filed Dec. 4, 1924.



The words "Quick Light" are hereby disclaimed except as a part of the composite mark forming the subject matter of this application.

Particular description of goods.—Gasoline Lamps and Lanterns.

Claims use since Sept. 29, 1924.

Ser. No. 206,262. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SWEETS COMPANY OF AMERICA, INC., New York, N. Y. Filed Dec. 4, 1924.

Tootsie Wootsie

Particular description of goods.—Candy.

Claims use since Oct. 29, 1924.

Ser. No. 206,342. (CLASS 37. PAPER AND STATIONERY.) ADIRONDACK TISSUE PAPER CO., Utica, N. Y. Filed Dec. 6, 1924.

RONDAC

Particular description of goods.—Toilet Paper, Paper Towels, and Paper Napkins.

Claims use since Oct. 23, 1924.

Ser. No. 206,351. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HEMMING BROS. INC., New York, N. Y. Filed Dec. 6, 1924.



Exclusive rights to the use of the words "Imported Fabric" apart from the mark shown are hereby disclaimed.

Particular description of goods.—Woven Fabric, the Same Being Woolen Cloth in the Piece.

Claims use since Oct. 1, 1924.

Ser. No. 206,358. (CLASS 39. CLOTHING.) MAX KAUFMAN AND SONS, New York, N. Y. Filed Dec. 6, 1924.



No exclusive right to the use of the words "Men's Garters" is claimed, except in the particular association shown in the drawing.

Particular description of goods.—Men's Garters, Women's Garters, and Children's Garters.

Claims use since Jan. 1, 1915.

Ser. No. 206,526. (CLASS 12. CONSTRUCTION MATERIALS.) IMPROVED OFFICE PARTITION COMPANY, Elmhurst, N. Y. Filed Dec. 10, 1924.

DRIWOOD

"Dry Wood" is disclaimed apart from the mark shown.

Particular description of goods.—Partitions, Doors, Wood Molding, and Wood Trim.

Claims use since about Jan. 1, 1924.

Ser. No. 206,653. (CLASS 43. THREAD AND YARN.) BARBOUR FLAX SPINNING COMPANY, Paterson, N. J. Filed Dec. 18, 1924.

SHREWSBURY MILLS
BARBOURS

Particular description of goods.—Linen Thread.
Claims use since Oct. 14, 1924.

Ser. No. 206,763. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BING WERKE, VORM. GEBRÜDER BING A. G. NÜRNBERG, Nuremberg, Germany. Filed Dec. 16, 1924.

GERMANY
BING'S
SUPREME

The name "Germany" is disclaimed apart from the mark shown.
Particular description of goods.—Enamel Ware Comprising Cups, Saucers, Plates, Cooking Utensils, Funnels, Strainers, Bowls, Coffeepots, Teapots, Basins, Pitchers, and Breakfast Sets for Children.
Claims use since January, 1924.

Ser. No. 206,802. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ED. POHL, Grosse Rosenkranzstrasse, Esthonia. Filed Dec. 16, 1924.

HELIOS
SAFETY MATCH
MADE IN ESTHONIA
IMPREGNATED

The words "Safety Match Impregnated" and "Made in Esthonia" are disclaimed apart from the mark shown in the accompanying drawings.
Particular description of goods.—Safety Matches.
Claims use since Oct. 15, 1924.

Ser. No. 206,891. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARMERS PRODUCE COMPANY, Brawley, Calif. Filed Dec. 18, 1924.

DELIGHT

Particular description of goods.—Fresh Melons, Fresh Grapes, Fresh Vegetables, Fresh Citrous Fruits—Namely, Oranges, Lemons, and Grapefruit.
Claims use since May, 1921.

Ser. No. 207,086. (CLASS 39. CLOTHING.) JOHN B. MANLY COMPANY, Chicago, Ill. Filed Dec. 22, 1924.

LEGION SENIOR

Applicant disclaims the phrase "Backed by Service" apart from the other features of the mark shown in the drawing.
Particular description of goods.—Men's, Boys', and Youths' Street Clothes—to wit, Suits, Coats, Vests, and Trousers.
Claims use since July 15, 1924.

Ser. No. 207,202. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAY J. REKAR, doing business as De Luxe Lamp Mfg. Co., Los Angeles, Calif. Filed Dec. 24, 1924.

De Luxe

Particular description of goods.—Medical and Surgical Lamps.
Claims use since May, 1922.

Ser. No. 207,252. (CLASS 2. RECEPTACLES.) NATIONAL URN BAG CO. INC., New York, N. Y. Filed Dec. 26, 1924.

NATIONAL URN BAGS

No claim is made to the exclusive use of the words "Urn Bags" apart from the mark shown in the drawing.
Particular description of goods.—Cloth Urn Bags for Coffee Urns.
Claims use since 1913.

Ser. No. 207,297. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MAX GLICK COMPANY, Cleveland, Ohio. Filed Dec. 27, 1924.

BEAR CAT

Particular description of goods.—Candy.
Claims use since January, 1921.

Ser. No. 207,408. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. S. SCHOFIELD'S SONS CO., Macon, Ga. Filed Dec. 29, 1924.

SCHOFIELDS
SERVICE
SATISFIES

No claim is made to the words "Service" and "Satisfies" apart from the mark shown.
Particular description of goods.—Steam Engines.
Claims use since June, 1924.

Ser. No. 207,421. (CLASS 37. PAPER AND STATIONERY.) UNIVERSAL PAPER COMPANY, New York, N. Y. Filed Dec. 29, 1924.

UNIVERSAL PAPER PRODUCTS

The words "Economy," "Brand," "Kraft," and "870 Broadway, New York" are disclaimed apart from the mark as shown.
Particular description of goods.—Wrapping Paper in Bulk.
Claims use since Dec. 10, 1924.

Ser. No. 207,432. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZÜRICHER BEUTELTUCH-FABRIK A.-G., Zurich, Switzerland. Filed Dec. 29, 1924.

BUYL GAAS
No
CHET ANKER

The words "Buyl Gaas" are disclaimed apart from the mark shown.
Particular description of goods.—Silk Bolting Cloth.
Claims use since April, 1894.

Ser. No. 207,433. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZÜRICHER BEUTELTUCH-FABRIK A.-G., Zurich, Switzerland. Filed Dec. 29, 1924.

H. BODMER'S
BUYL GAAS
No
CHET ANKER
SILK GAUZES.

The words "Buyl Gaas" and "Silk Gauzes" are disclaimed apart from the mark shown.
Particular description of goods.—Silk Bolting Cloth.
Claims use since July, 1905.

Ser. No. 207,434. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZÜRICHER BEUTELTUCH-FABRIK A.-G., Zurich, Switzerland. Filed Dec. 29, 1924.

BEUTELTUCH
1830
CHET ANKER

The word "Beuteltuch" is disclaimed apart from the mark shown.
Particular description of goods.—Silk Bolting Cloth.
Claims use since October, 1915.

Ser. No. 207,490. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BOYDELL BROS. WHITE LEAD & COLOR CO., Detroit, Mich. Filed Dec. 31, 1924.

CANNED LIGHT

Particular description of goods.—Ready-Mixed Paint and Paint Enamels.
Claims use since June 13, 1924.

Ser. No. 207,502. (CLASS 12. CONSTRUCTION MATERIALS.) GILMORE OIL COMPANY, Los Angeles, Calif. Filed Dec. 31, 1924.

GILMORE

MONARCH OF ALL

Particular description of goods.—Asphalt.
Claims use since Dec. 1, 1921.

Ser. No. 207,798. (CLASS 12. CONSTRUCTION MATERIALS.) THE PREST-O-LITE COMPANY, INC., Indianapolis, Ind. Filed Jan. 7, 1925.

PREST-O-BRICK

Applicant makes no claim to the exclusive right to the use of the word "Brick" apart from the rest of the mark.

Particular description of goods.—Calcium Hydrate and Calcium Hydrate with Added Substances for Materials of Construction.

Claims use since about Nov. 19, 1924.

Ser. No. 207,799. (CLASS 12. CONSTRUCTION MATERIALS.) THE PREST-O-LITE COMPANY, INC., Indianapolis, Ind. Filed Jan. 7, 1925.

PREST-O-LIME

Applicant makes no claim to the exclusive right to the use of the word "Lime" apart from the rest of the mark as shown.

Particular description of goods.—Calcium Hydrate and Calcium Hydrate with Added Substances for Materials of Construction.

Claims use since about Nov. 19, 1924.

Ser. No. 207,800. (CLASS 12. CONSTRUCTION MATERIALS.) THE PREST-O-LITE COMPANY, INC., Indianapolis, Ind. Filed Jan. 7, 1925.

PREST-O-PLASTER

Applicant makes no claim to the exclusive right to the use of the word "Plaster" apart from the rest of the mark as shown.

Particular description of goods.—Calcium Hydrate and Calcium Hydrate with Added Substances for Materials of Construction.

Claims use since about Nov. 19, 1924

Ser. No. 207,801. (CLASS 12. CONSTRUCTION MATERIALS.) THE PREST-O-LITE COMPANY, INC., Indianapolis, Ind. Filed Jan. 7, 1925.

PREST-O-MORTAR

Applicant makes no claim to the exclusive right to the use of the word "Mortar" apart from the rest of the mark as shown.

Particular description of goods.—Calcium Hydrate and Calcium Hydrate with Added Substances for Materials of Construction.

Claims use since about Nov. 19, 1924.

Ser. No. 207,836. (CLASS 39. CLOTHING.) TOBIAN BROTHERS COMPANY, Evansville, Ind. Filed Jan. 8, 1925.

LYNX

Particular description of goods.—Sweaters, Men's, Women's, and Children's Caps and Hats, Infants' Booties, Scarfs, and Dress, Work, and Negligee Shirts.

Claims use since December, 1899.

Ser. No. 207,849. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CANADIAN INDUSTRIAL ALCOHOL COMPANY, LIMITED, Montreal, Quebec, Canada Filed Jan. 9, 1925.

ALCO-METER

Disclaimer is made to the word "Meter" apart from the mark as shown in the drawing.

Particular description of goods.—Hydrometers and Measuring Instruments for Testing the Weight, Density, Specific Gravity, and Freezing Temperature of Liquids Containing Alcohol.

Claims use since June 20, 1923.

Ser. No. 207,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) N. GOODMAN & SON, New York, N. Y. Filed Jan. 9, 1925.



No claim is made to the words "Brand" and "Pure Salad Oil" nor to the representation of the container of the goods apart from the mark shown on the drawing. The vertical lines on the drawing represent red color, and the horizontal lines represent blue color.

Particular description of goods.—Pure Salad Oil.
Claims use since September, 1924.

Ser. No. 207,874. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARCUS BROTHERS, New York, N. Y. Filed JAN. 9, 1925.

MARBRO FABRICS

The word "Fabrics" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Piece Goods Made of Cotton, Silk, or Wool and Pile Fabrics.

Claims use since January, 1913.

Ser. No. 207,976. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JAMES DELL, Chicago, Ill. Filed Jan. 12, 1925.

DELL'S



PAKIT

Particular description of goods.—Medicinal Injector Instruments.

Claims use since Dec. 15, 1924.

Ser. No. 208,082. (CLASS 12. CONSTRUCTION MATERIALS.) WARREN-EHRET COMPANY, Philadelphia, Pa. Filed Jan. 13, 1925.

RAYN-TITE

Particular description of goods.—Roof Coatings—Namely, Liquid or Plastic Bituminous Roofing Compounds.

Claims use since Jan. 1, 1924.

Ser. No. 208,135. (CLASS 39. CLOTHING.) GASTON VICTOR CLEMENT ROBLOT, Paris, France. Filed Jan. 15, 1925.

ROSE DESCAT

Particular description of goods.—Ladies' Hats.
Claims use since Jan. 1, 1917.

Ser. No. 208,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IROQUOIS CANNING CORPORATION, Onarga, Ill. Filed Jan. 15, 1925.

CHEROKEE

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.

Claims use since Mar. 8, 1900.

Ser. No. 208,144. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IROQUOIS CANNING CORPORATION, Onarga, Ill. Filed Jan. 15, 1925.

PROTECTION

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.

Claims use since Aug. 7, 1907.

Ser. No. 208,145. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IROQUOIS CANNING CORPORATION, Onarga, Ill. Filed Jan. 15, 1925.

COUNTESS

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since Mar. 8, 1900.

Ser. No. 208,146. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IROQUOIS CANNING CORPORATION, Onarga, Ill. Filed Jan. 15, 1925.

Mohawk

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since July 6, 1899.

Ser. No. 208,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IROQUOIS CANNING CORPORATION, Onarga, Ill. Filed Jan. 15, 1925.

SnowDrift

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since Mar. 12, 1900.

Ser. No. 208,285. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOLFERS' SUPPLY COMPANY, Springfield, Ill. Filed Jan. 17, 1925.

PAR-TEE

No claim is made to the word "Tee" apart from the mark shown on the drawing.
Particular description of goods.—Golf Tees.
Claims use since Oct. 15, 1924.

Ser. No. 208,325. (CLASS 39. CLOTHING.) VALLEY WHOLESALE DRY GOODS CO., Brownsville, Tex. Filed Jan. 19, 1925.

Durable

Applicant disclaims the exclusive use of the word "Durable" separate and apart from the mark shown on drawing.
Particular description of goods.—"Work Pants", Work Coats, Dress Pants, Work Shirts, Dress Shirts, Negligee Shirts, Hosiery, Undershirts, and Drawers.
Claims use since Jan. 1, 1924.

Ser. No. 208,340. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAM FLEISHMAN, doing business as California Walnut Co., Los Angeles, Calif. Filed Jan. 20, 1925.



Particular description of goods.—Walnuts and Almonds, Walnut and Almond Meats in Their Natural State.
Claims use since Sept. 1, 1924.

Ser. No. 208,353. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE MANISCALCO NEW POWER SYSTEM COMPANY, Bellevue, Ohio. Filed Jan. 20, 1925.



Particular description of goods.—Engines for Driving Other Machinery—Namely, Gas Engines.
Claims use since Oct. 15, 1924.

Ser. No. 208,408. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KEN KLING, New York, N. Y. Filed Jan. 21, 1925.

CRYING TOWEL

No claim is made to the word "Towel."
Particular description of goods.—Towels.
Claims use since Jan. 5, 1925.

Ser. No. 208,465. (CLASS 32. FURNITURE AND UPHOLSTERY.) A. HOENIGSBERGER, Chicago, Ill. Filed Jan. 22, 1925.

"MO-WELT"

No claim is made to the word "Welt" apart from the mark shown.
Particular description of goods.—Welting or Edging Used for Upholstering.
Claims use since Jan. 3, 1925.

Ser. No. 208,470. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Jan. 22, 1925.

AMANDE VERTE

The exclusive use of the words "Amande Verte" apart from the mark shown on the drawing is herewith disclaimed. The drawing is lined to indicate pink for the background and gold for the frame.
Particular description of goods.—Face Powder.
Claims use since May 1, 1924.

Ser. No. 208,516. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GROUT AND COMPANY, LIMITED, Great Yarmouth, Norfolk, England. Filed Jan. 23, 1925.

VIC

Particular description of goods.—Face Cloths, Face Gloves, Washing Cloths, Washing Gloves, and Towels, All Being Cotton Small Wares.
Claims use since Nov. 1, 1923.

Ser. No. 208,677. (CLASS 12. CONSTRUCTION MATERIALS.) CHARLES E. PUTMAN, Portland, Oreg. Filed Jan. 26, 1925.

FITITE

COLONIAL

Particular description of goods.—Shingles of All Kinds, Including Composition and Paper Shingles.
Claims use since Jan. 12, 1925.

Ser. No. 208,712. (CLASS 39. CLOTHING.) THE MACINTYRE-FISHBACK MFG. CO., Pueblo, Colo. Filed Jan. 27, 1925.

M-F

Particular description of goods.—Working Pants, Shirts, Jumpers, Overalls, Overall Suits.
Claims use since July 1, 1922.

Ser. No. 208,725. (CLASS 39. CLOTHING.) SHEPARD NORWELL COMPANY, Boston, Mass. Filed Jan. 27, 1925.

CIRCLET

Particular description of goods.—Dry Goods—Namely, Sweaters, Negligee and Under Shirts, Skirts, Women's and Children's Hats; Women's and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Canvas, Rubber, or Textile Material; Hosiery, Petticoats, Camisoles, Bloomers, Step-Ins, Vests, Drawers, Chemises, Costume Slips, All of Knitted or Textile Fabric; Women's and Children's Coats, Wraps, Dresses; Women's and Children's Gloves of Leather, Fabric, and Combinations Thereof; Women's and Children's Knickers, and Women's and Children's Suits.
Claims use since Nov. 1, 1924.

Ser. No. 208,729. (CLASS 39. CLOTHING.) WM. WEINSTOCK, Scranton, Pa. Filed Jan. 27, 1925.

WE HAVE YOUR DIE



No claim is made to the words "Hat, We have your die, For Durability and Appearance" apart from the mark as shown in the drawing.
Particular description of goods.—Men's Hats.
Claims use since May 1, 1921.

Ser. No. 208,737. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ARCH CUSHION CORPORATION, New York, N. Y. Filed Jan. 28, 1925.

CATSPAW

Particular description of goods.—Spring Cushions for Automobiles.
Claims use since about Dec. 1, 1924.

Ser. No. 208,751. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN SIMON & Co., INC., New York, N. Y. Filed Jan. 28, 1925.



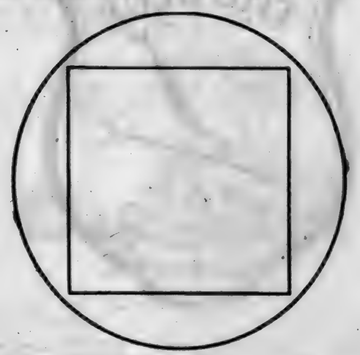
Particular description of goods.—Soaps.
Claims use since Mar. 10, 1924.

Ser. No. 208,769. (CLASS 39. CLOTHING.) MEISTER Bros. & Co., Cleveland, Ohio. Filed Jan. 28, 1925.

Chickie

Particular description of goods.—Ladies' Collar and Cuff Sets and Scarfs, and Ladies' Blouses and Sweaters.
Claims use since Jan. 12, 1925.

Ser. No. 208,781. (CLASS 15. OILS AND GREASES.) SCHOCK INDEPENDENT OIL COMPANY, Mount Joy, Pa. Filed Jan. 28, 1925.



Particular description of goods.—Petroleum Products Used as Fuels and Lubricants.
Claims use since Aug. 1, 1924.

Ser. No. 208,838. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) MARY S. WILSON, doing business as Nospace Hat Holder Company, Detroit, Mich. Filed Jan. 29, 1925.



The words "Detroit, Michigan," and the representation of a hat holder are disclaimed apart from the mark as shown.
Particular description of goods.—Hat Holders.
Claims use since Jan. 5, 1925.

Ser. No. 208,860. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CLAYTON MARK & COMPANY, Chicago, Ill. Filed Jan. 30, 1925.



The trade-mark consists of the color red applied arbitrarily to the lower packer of the valve, as expressed by the lining in the drawing, no claim being made to the representation of the valve apart from the mark shown by the drawing.
Particular description of goods.—Tubular Well Valves and Similar Deep-Well Valves.
Claims use since December, 1924.

Ser. No. 208,862. (CLASS 12. CONSTRUCTION MATERIALS.) THE NEW PROCESS CO., New York, N. Y. Filed Jan. 30, 1925.

PERFETTO

Particular description of goods.—Doors for Shower Stalls.
Claims use since Jan. 3, 1925.

Ser. No. 208,869. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE Pow Wow Mfg. Co., Chicago, Ill. Filed Jan. 30, 1925.

POW-WOW

Particular description of goods.—Toilet Preparations—Namely, Perfume, Shampoo Preparation, Face Powder, Incense, Beauty Clay, Hair Oil, Face Cream, Hair Tonic, and Bleaching Cream.
Claims use since July 14, 1914.

Ser. No. 208,874. (CLASS 39. CLOTHING.) SCOTCH WOOLEN MILLS, Chicago, Ill. Filed Jan. 30, 1925.

Scotch
WOOLEN MILLS

Particular description of goods.—Suits, Overcoats, Trousers, and Caps for Men and Belts for Personal Wear.
Claims use since May 1, 1906.

Ser. No. 208,878. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOUTHERN COAL & COKE COMPANY, Boothton, Ala. Filed Jan. 30, 1925.

BOOTHTON
Cahaba Red Ash
COAL

No claim is made to the exclusive use of the words "Cahaba Red Ash Coal" apart from the mark as shown.
Particular description of goods.—Coal.
Claims use since about 1915.

Ser. No. 208,891. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Jan. 31, 1925.

Talisman

Trade-mark consists of the word "Talisman."
Particular description of goods.—Cotton Blankets.
Claims use since Jan. 15, 1925.

Ser. No. 208,892. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I. Filed Jan. 31, 1925.

Nomad

Trade-mark consists of the word "Nomad."
Particular description of goods.—Cotton Blankets.
Claims use since Jan. 15, 1925.

Ser. No. 208,894. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y. Filed Jan. 31, 1925.

B

BE SQUARE BRANDS

No rights are asserted to the exclusive use of the word "Brands" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Floor Mattings and Mats.
Claims use since Jan. 16, 1925.

Ser. No. 208,895. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BONNET-BROWN CORPORATION, Chicago, Ill. Filed Jan. 31, 1925.

LINO-CASTER

No claim is made to the exclusive use of the word "Caster" apart from the mark shown in the drawing.
Particular description of goods.—Devices for Making Stereotypes.
Claims use since on or about Dec. 5, 1924.

Ser. No. 208,945. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) HARRY ALTMAN, Detroit, Mich. Filed Feb. 2, 1925.

AIRPLANE BRAND

No claim is made to the word "Brand" separate and apart from the mark shown in the drawing.

Particular description of goods.—Malt Extracts for Beverage Purposes.

Claims use since about Jan. 20, 1925.

Ser. No. 208,982. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HARNISCHFEGER CORPORATION, Milwaukee, Wis. Filed Feb. 2, 1925.

QUALITY P&H SERVICE

No claim is made to the words "Quality" and "Service" apart from the mark shown in the drawing.

Particular description of goods.—Electric Traveling Cranes, Electric Hoists, Gantry Cranes, Hand Traveling Cranes, Chain-Block Trolleys, Grab-Bucket Hoists and Monorail Systems, Grab-Bucket Cranes, Single-Line Grab Buckets, Lumber Hoists and Monorail Systems, Lumber Cranes, Portal Jib Cranes, Tie-Handling Hoists; Horizontal Boring, Drilling, and Milling Machines; Drilling and Boring Machine Accessories, Centering Machines, Radial Wall Drills, Gasoline Shovels, Electric Shovels, Skimmer Scoops, Drag Lines, Clamshells, Trenchers (Wheel Type), Trenchers (Ladder Type), Ditch Cleaners, Pile Drivers, Back Fillers, Power Traction Tampers; Electric, Gasoline, and Belted Contractors' Hoists; Elevator Hoists, and Derricks.

Claims use since Jan. 1, 1913.

Ser. No. 209,001. (CLASS 39. CLOTHING.) ROME MANUFACTURING COMPANY, Rome, Ga. Filed Feb. 2, 1925.

ROMANCO

Particular description of goods.—Men's and Boys' Suits and Pants, Work Shirts, Dress Shirts, and Overalls.

Claims use since Jan. 20, 1925.

Ser. No. 209,027. (CLASS 39. CLOTHING.) ELOESSER-HEYNEMANN COMPANY, San Francisco, Calif. Filed Feb. 3, 1925.

FRISKO JEENS

No claim is made to the word "Jeens" apart from the mark shown in the drawing.

Particular description of goods.—Overalls.

Claims use since about Dec. 1, 1924.

Ser. No. 209,050. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) PARKS BROS. & ROGERS, INC., Providence, R. I. Filed Feb. 3, 1925.

Garterette

Particular description of goods.—Ornamental Clasp Buckles of Nonprecious-Metal Ware.

Claims use since Dec. 19, 1924.

Ser. No. 209,185. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NORTHAM WARREN CORPORATION, New York, N. Y. Filed Feb. 6, 1925.

MIDGET

Particular description of goods.—Manicure Sets.

Claims use since 1917.

Ser. No. 209,195. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) BAKER & KIMBALL, INC., Boston, Mass. Filed Feb. 7, 1925.

OVR-UNDA

Particular description of goods.—Guns.

Claims use since Nov. 1, 1924.

Ser. No. 209,212. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GIBRALTAR COAL MINING CO., Memphis, Tenn. Filed Feb. 7, 1925.

GIBRALTAR

Particular description of goods.—Coal.

Claims use since Jan. 5, 1907.

Ser. No. 209,249. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. H. ROGERS, INC., New York, N. Y. Filed Feb. 7, 1925.

PARISRUG

No claim is made to the exclusive use separately of the words "Paris" and "Rugs."

Particular description of goods.—Textile Rugs.

Claims use since January, 1920.

Ser. No. 209,252. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIETE RODIER, Paris, France. Filed Feb. 7, 1925.

ALGA

Particular description of goods.—Piece Goods of Wool, Cotton, and Silk and Mixtures of the Same for Use as Dress Fabrics.

Claims use since 1916.

Ser. No. 209,314. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) OPTICAL PRODUCTS CORPORATION, New York, N. Y. Filed Feb. 9, 1925.



The mark consists of amber color, as shown by right and left diagonal broken shade lines, with a wine-colored stripe thereon, as shown by vertical shade lines in the drawing. No claim is made to the exclusive use of the representation of spectacles apart from the mark as shown.

Particular description of goods.—Ophthalmic Mountings.

Claims use since Oct. 1, 1924.

Ser. No. 209,326. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) L. H. WESTERMAN, doing business as Carbit Paint Co., Chicago, Ill. Filed Feb. 9, 1925.

Carbit

Particular description of goods.—Ready-Mixed Paint.

Claims use since Jan. 12, 1925.

Ser. No. 209,336. (CLASS 2. RECEPTACLES.) GEORGE E. DAVISON, St. Helens, Oreg. Filed Feb. 10, 1925.

ETERNAL

Particular description of goods.—Caskets, Casket Containers, and Septic Tanks.

Claims use since Jan. 5, 1925.

Ser. No. 209,344. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Feb. 10, 1925.

BLACK STRIPE VIM

Particular description of goods.—Round Leather Cord and Round Leather Belting.

Claims use since Dec. 27, 1924.

Ser. No. 209,354. (CLASS 39. CLOTHING.) I. KESSLER COMMISSION COMPANY, INC., Macon, Ga. Filed Feb. 10, 1925.

ELBERTA

Particular description of goods.—Hosiery, Knitted Underwear (for Men, Women, and Children), and Sweaters.

Claims use since Oct. 4, 1924.

Ser. No. 209,361. (CLASS 39. CLOTHING.) PECKHAM-FORRMAN, INC., New York, N. Y. Filed Feb. 10, 1925.

Lido

Particular description of goods.—Sweaters and Sweater Jackets.

Claims use since Jan. 12, 1925.

Ser. No. 209,368. (CLASS 39. CLOTHING.) SHERMAN BROS., New York, N. Y. Filed Feb. 19, 1925.

Clothes NEW YORK

Fashion Tailored

No claim is made to the words "Clothes New York Fashion Tailored" apart from the mark shown on the drawing.

Particular description of goods.—Men's and Young Men's Suits and Topcoats.

Claims use since Jan. 23, 1925.

Ser. No. 209,381. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BOSTON AUTO GAGE COMPANY, Boston, assignor to The Boston Auto Gage Company, Pittsfield, Mass., a Corporation of Massachusetts. Filed Feb. 11, 1925.

Triumph

Particular description of goods.—Liquid Gauges of the Type Used in Connection with Gasoline Tanks.

Claims use since 1906.

Ser. No. 209,384. (CLASS 15. OILS AND GREASES.) CAMPECO OIL COMPANY, Chicago, Ill. Filed Feb. 11, 1925.

CAMPECO

Particular description of goods.—Lubricating Oils, Gasoline, Kerosene, and Road Oil.

Claims use since Jan. 1, 1922.

Ser. No. 209,387. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CROSSWORD GAMES, INC., New York, N. Y. Filed Feb. 11, 1925.

PUZZ

Trade-mark consists of the word "Puzz."

Particular description of goods.—Cross-Word Puzzle Game.

Claims use since Feb. 2, 1925.

Ser. No. 209,410. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHARLES ALBERT KUEHN, St. Louis, Mo. Filed Feb. 11, 1925.



Particular description of goods.—Ribbons and Chiffons, Silk and Imitation Silk in the Bolt.

Claims use since June, 1923.

Ser. No. 209,450. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ZAFERIS BROS. & CO. INC., Los Angeles, Calif. Filed Feb. 11, 1925.

Winner

Particular description of goods.—Fresh Vegetables—Namely, Fresh Lettuce, Fresh Cauliflower, and Fresh Cabbage.

Claims use since Oct. 29, 1924.

Ser. No. 209,506. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE TATER-FLAKES COMPANY, Chicago, Ill. Filed Feb. 12, 1925.

Tater-flakes

"They're Smackin' Good"

Particular description of goods.—Potato-Chip-Making Machines.

Claims use since Sept. 1, 1924.

Ser. No. 209,530. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. H. CLARK, Philadelphia, Pa. Filed Feb. 13, 1925.

HEALOVER CREAM

No claim is made to the word "Cream" apart from the mark as shown.

Particular description of goods.—Skin Lotions.

Claims use since 1904.

Ser. No. 209,542. (CLASS 12. CONSTRUCTION MATERIALS.) NEW ENGLAND FELT ROOFING WORKS, Boston, Mass. Filed Feb. 13, 1925.



Particular description of goods.—Sheets and Rolls of Roofing Felt and Tarred Roofing Paper.

Claims use since Mar. 1, 1857.

Ser. No. 209,543. (CLASS 12. CONSTRUCTION MATERIALS.) NEW ENGLAND FELT ROOFING WORKS, Boston, Mass. Filed Feb. 13, 1925.

BEE HIVE

Particular description of goods.—Sheets and Rolls of Roofing Felt and Tarred Roofing Paper.

Claims use since Mar. 1, 1857.

Ser. No. 209,544. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL CO., Jersey City, N. J. Filed Feb. 13, 1925.

"SILTEX GUM"

No claim is made to the word "Gum" apart from the mark as shown.

Particular description of goods.—Gum for Printing Textile Fabrics.

Claims use since about August, 1924.

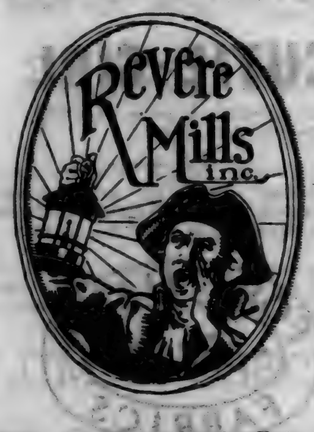
Ser. No. 209,574. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HESS, GOLDSMITH & CO., INC., New York, N. Y. Filed Feb. 14, 1925.

BILLIE BURKE

Particular description of goods.—Textile Fabrics—Namely, Cotton, Wool, and Artificial Silk Known as Rayon and Combinations Thereof.

Claims use since Feb. 9, 1925.

Ser. No. 209,587. (CLASS 39. CLOTHING.) REVERE MILLS, INC., Buffalo, N. Y. Filed Feb. 14, 1925.



Particular description of goods.—Hosiery, Knitted Jackets, Knitted Undergarments, Etc.

Claims use since Aug. 1, 1924.

Ser. No. 209,595. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SMITH, HOGG & CO., New York, N. Y. Filed Feb. 14, 1925.

WAMBA

Particular description of goods.—Blankets and Bed and Crib Coverings Made of Cotton or Wool or of a Mixture of Cotton and Wool.

Claims use since Feb. 4, 1925.

Ser. No. 209,619. (CLASS 39. CLOTHING.) COHN, RISSMAN & CO., Chicago, Ill. Filed Feb. 16, 1925.



The use of the word "Stratford" is disclaimed when used in conjunction with the mark shown on said drawing.

Particular description of goods.—Men's and Young Men's Suits, Coats, Vests, Trousers, and Overcoats.

Claims use since Jan. 1, 1903.

Ser. No. 209,628. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. EDGE & SONS LIMITED, Bolton, England. Filed Feb. 16, 1925.

CUTIE-GIRL

Particular description of goods.—Dyes.
Claims use since Jan. 1, 1925.

Ser. No. 209,640. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Feb. 16, 1925.

FORSTMANN ★F.&H.★ FABRICS

No rights are asserted to the exclusive use of the word "Fabrics" apart from the trade-mark as shown in the drawing. The mark consists of the letters "F. & H." with a star before the letter "F." and after the letter "H.," all inclosed within an oval.
Particular description of goods.—Woolen Piece Goods.
Claims use since Dec. 1, 1924.

Ser. No. 209,688. (CLASS 15. OILS AND GREASES.) PEOPLES OIL CO., INC., Bemidji, Minn. Filed Feb. 16, 1925.

SHUR-FIRE

The words "Shur-Fire" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Gasoline.
Claims use since Dec. 15, 1923.

Ser. No. 209,693. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.

AMARYLLIS

No claim is made to the word "Amaryllis" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, and Dentifrices.
Claims use since 1922.

Ser. No. 209,694. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.

"Au Soleil" ★ LUBIN PARIS

No claim is made to the word "Paris" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, and Dentifrices.
Claims use since 1912.

Ser. No. 209,695. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.

ENIGMA LUBIN PARIS

No claim is made to the word "Paris" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, Dentifrices, Face Powder, and Talcum Powder.
Claims use since 1898.

Ser. No. 209,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOOTON INSECTICIDE COMPANY, INC., Atlanta, Ga. Filed Feb. 16, 1925.

Bug Juice



Particular description of goods.—Insecticides.
Claims use since Aug. 1, 1923.

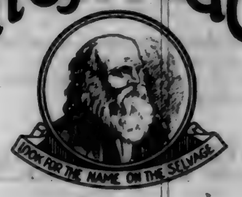
Ser. No. 209,717. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Chicago, Ill., and Minneapolis, Minn. Filed Feb. 17, 1925.

BARCO "REALOL"

Particular description of goods.—Lubricating Oil.
Claims use since Jan. 7, 1924.

Ser. No. 209,724. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BARNETT DAVIDSON, New York, N. Y. Filed Feb. 17, 1925.

Gray Head



No claim is made to the exclusive use of the words "Look for the name on the selvage" apart from the mark shown. The figure is fanciful. The lining on the figure is for the purpose of shading only.
Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 8, 1925.

Ser. No. 209,759. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WOLFF, KIRCHMANN & CO., INC., San Francisco, Calif. Filed Feb. 17, 1925.

BUDDHA

Particular description of goods.—Canned Sardines and Wheat Flour.
Claims use since Jan. 21, 1925.

Ser. No. 209,764. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Feb. 18, 1925.

LUMBA-CHECKS

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since September, 1924.

Ser. No. 209,765. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Feb. 18, 1925.

LUMBA-JACKS

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since September, 1924.

Ser. No. 209,766. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Feb. 18, 1925.

PRINCESATIN

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since December, 1924.

Ser. No. 209,768. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BREWER & COMPANY, INC., Worcester, Mass. Filed Feb. 18, 1925.

INSEK

Particular description of goods.—Insecticide in the Form of a Soap.
Claims use since 1915.

Ser. No. 209,772. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) M. CARLTON DANK & Co., Brooklyn, N. Y. Filed Feb. 18, 1925.

MULT-I-GAME
The Game of Many Games

The words "Game" and "The Game of Many Games" are hereby disclaimed.

Particular description of goods.—Table Game Played with Pieces.

Claims use since July 1, 1924.

Ser. No. 209,780. (CLASS 39. CLOTHING.) SAMUEL ELMAN COMPANY, INC., Syracuse, N. Y. Filed Feb. 18, 1925.

"UNIQUE"

Particular description of goods.—Men's Trousers and Men's and Ladies' Golf Knickers.

Claims use since Jan. 1, 1909.

Ser. No. 209,792. (CLASS 39. CLOTHING.) ABRAHAM S. ISERSON, New York, N. Y. Filed Feb. 18, 1925.

I=Juana

Particular description of goods.—Ladies' Underwear of Woven Fabric, Consisting of Nightgowns, Drawers, Chemises, Pyjamas, Shirts or Vests, Combinations, Step-Ins, Bloomers, Princess Slips, and Negligees.

Claims use since July 1, 1924.

Ser. No. 209,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. LIVIERATO, Aden, Arabia. Filed Feb. 18, 1925.

L.B

Particular description of goods.—Coffee.

Claims use since Jan. 1, 1886.

Ser. No. 209,815. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PROGRESS PAINT MFG. CO., Louisville, Ky. Filed Feb. 18, 1925.

CHEROKEE

Particular description of goods.—House Paints, Floor Paints, Roof Paints, Varnish Stains, Paint Enamels, and Cement Paints.

Claims use since Jan. 15, 1925.

Ser. No. 209,823. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. FONT VALENTIN, Paris, France. Filed Feb. 18, 1925.



The words "39 Av. des Champs Elysees" are hereby disclaimed apart from the mark shown.

Particular description of goods.—Perfumes, Toilet Water, Eau de Cologne, Lotion for the Skin and Hair, Face Powder, Talcum Powder, Sachet Powder, Face Creams, Brilliantine, and Dentifrices.

Claims use since Oct. 29, 1924.

Ser. No. 209,826. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MORRIS ZUCKERMAN, doing business as Artek Company, New York, N. Y. Filed Feb. 18, 1925.

NO-LEAK
ASPHALT & SUESTOS

Applicant disclaims the descriptive words "Asphalt" and "Asbestos" apart from the mark as shown.

Particular description of goods.—Liquid Coating in the Nature of Paint for Preserving Roofs.

Claims use since Jan. 14, 1925.

Ser. No. 209,854. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN A. MARTIN, doing business as Peerless Products Company, Jersey City, N. J. Filed Feb. 19, 1925.

NU-NILE

Particular description of goods.—Cold Cream and Hairdressing Pomade, Especially Bobbed-Hair Gloss Adapted for Straightening and Pressing Kinky Hair.

Claims use since June 4, 1924.

Ser. No. 209,881. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE TEXART COMPANY, INC., East Orange, N. J. Filed Feb. 19, 1925.

X-L-TEX

Particular description of goods.—Textile Rugs.

Claims use since Feb. 2, 1925.

Ser. No. 209,803. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) AMERICAN BROOM AND BRUSH CO., Amsterdam, N. Y. Filed Feb. 20, 1925. Under ten-year proviso.

AMERICAN

Particular description of goods.—Brooms.

Claims use since about 1865.

Ser. No. 209,909. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORG FRANKEN, doing business as Perbion Manufacturing Company, New York, N. Y. Filed Feb. 20, 1925.

PERBION

Particular description of goods.—Mineral Water.

Claims use since Feb. 3, 1925.

Ser. No. 209,916. (CLASS 39. CLOTHING.) HALL, HARTWELL & CO. INC., Troy, N. Y. Filed Feb. 20, 1925.

TARTANTEX

Particular description of goods.—Dress, Negligee, and Work Shirts.

Claims use since about Dec. 1, 1924.

Ser. No. 209,934. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Feb. 20, 1925.

OROTIP

Particular description of goods.—Electric-Light Carbons.

Claims use since Jan. 1, 1924.

Ser. No. 209,962. (CLASS 39. CLOTHING.) PERLEY E. BARBOUR, doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Filed Feb. 21, 1925.

ZEBRAWELT

Applicant disclaims any attempt to cover in this registration the word "Welt" apart from the combination shown. Trade-mark consists of the word "Zebrawelt."

Particular description of goods.—Welting for Boots and Shoes.

Claims use since Jan. 14, 1925.

Ser. No. 209,964. (CLASS 39. CLOTHING.) ALBERT L. BERRY LEATHER COMPANY, Boston, Mass. Filed Feb. 21, 1925.

BERRY BLUE

Particular description of goods.—Leather Insoles and Leather Shoe Linings.

Claims use since Feb. 3, 1925.

Ser. No. 210,002. (CLASS 39. CLOTHING.) MAXINE MANUFACTURING CO., Chicago, Ill. Filed Feb. 21, 1925.

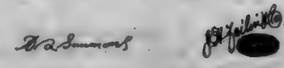
Sanitex

Particular description of goods.—Princess Slips, Petticoats, Aprons, Step-Ins, Blouses, Bloomers, and Sport Shirts.

Claims use since Dec. 1, 1924.

Ser. No. 210,017. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. F. SIMMONS MEDICINE CO. INCORPORATED, St. Louis, Mo. Filed Feb. 21, 1925. Under ten-year proviso.





The trade-mark consists in a facsimile of the signature of "A. Q. Zeilin & Co." in handwriting and an elliptical figure containing a monogram of the initials "J. H. Z." with the figure "&" and the abbreviation "Co." The name "J. H. Zeilin & Co." and the elliptical figure are in red, the monogram, the "&" and the "Co." on the ellipse being in white.

Particular description of goods.—Preparations for the Treatment of Diseases of the Liver.

Claims use since 1868.

Ser. No. 210,069. (CLASS 39. CLOTHING.) JANALENE, INCORPORATED, Indianapolis, Ind. Filed Feb. 24, 1925.



Particular description of goods.—Women's and Children's Dresses and Coats.

Claims use since Jan. 31, 1925.

Ser. No. 210,073. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NESTOR DRUG AND CHEMICAL COMPANY, Chicago, Ill. Filed Feb. 24, 1925.



The exclusive use of the words "Emulsion of Pure Cod Liver Oil" is disclaimed apart from the mark as shown.

Particular description of goods.—Medicinal Preparation for Pulmonary Diseases, Coughs, Colds, and General Debility.

Claims use since Oct. 7, 1924.

Ser. No. 210,080. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ANTHONY B. RAND, Chicago, Ill. Filed Feb. 24, 1925.

BINGO

Particular description of goods.—Table Game Played with Numbered Wooden Blocks and Grains of Corn.

Claims use since Mar. 1, 1923.

Ser. No. 210,095. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



The words and letters "Louisville, Ky. U. S. A." are disclaimed apart from the remainder of the mark.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1910.

Ser. No. 210,114. (CLASS 39. CLOTHING.) LOUIS GLASS, doing business as Capitol Brassiere and Girdle Company, New York, N. Y. Filed Feb. 25, 1925.



The word "Brassiere" which appears on the drawing is disclaimed.

Particular description of goods.—Brassières and Girdles.

Claims use since Oct. 18, 1923.

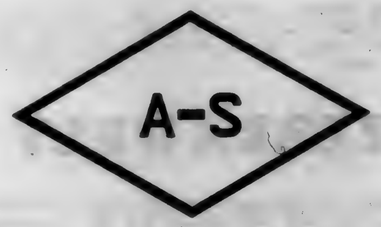
Ser. No. 210,121. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HERBERT AND HERBERT, Los Angeles, Calif. Filed Feb. 25, 1925.



Particular description of goods.—Gas Savers for Engine Intake Manifolds.

Claims use since 1920.

Ser. No. 210,122. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 25, 1925.



Particular description of goods.—Nitrocellulose.

Claims use since Feb. 15, 1924.

Ser. No. 210,123. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Feb. 25, 1925.



Particular description of goods.—Nitrocellulose.

Claims use since Dec. 17, 1923.

Ser. No. 210,138. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE COMPANY, Chicago, Ill. Filed Feb. 25, 1925.

GLACIER

Particular description of goods.—Laundry Soaps (in Solid, Powdered, and Liquid Form).

Claims use since Dec. 24, 1924.

Ser. No. 210,150. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Feb. 25, 1925.

WAT

Particular description of goods.—Laundry and Toilet Soaps, Soap Jelly, Soap Powder, Soap Flakes, and Soap Creams Used Before Shaving.

Claims use since Feb. 2, 1925.

Ser. No. 210,158. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BILT WELL PRODUCTS CO., Bay City, Mich. Filed Feb. 26, 1925.

REGAL

Particular description of goods.—Storage Batteries.

Claims use since Aug. 1, 1923.

Ser. No. 210,178. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERT C. LOOCK, doing business as Baltimore Hub Wheel & Mfg. Co., Baltimore, Md. Filed Feb. 26, 1925.

HUBCO
SUPER-FIVE

Particular description of goods.—Assembled Radio Receiving Sets and Component Parts Thereof.

Claims use since Aug. 10, 1922.

Ser. No. 210,200. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Feb. 27, 1925.

Rauland-Lyric

Particular description of goods.—Transformers.

Claims use since Aug. 27, 1924.

Ser. No. 210,217. (CLASS 39. CLOTHING.) BATTERSBY & COMPANY LIMITED, London, England. Filed Feb. 27, 1925.

Battersby

Particular description of goods.—Men's Hats.

Claims use since Nov. 1, 1923.

Ser. No. 210,246. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN A. METZ, New York, N. Y. Filed Feb. 27, 1925.

OSCODAL

Particular description of goods.—Concentrates of Cod-Liver Oil in Powder, Globule, and Tablet Form Indicated for All Conditions and Purposes for Which Pure Medicinal Cod-Liver Oil is Now Used.

Claims use since Feb. 24, 1925.

Ser. No. 210,271. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 28, 1925.

VELVEDEAU

Particular description of goods.—Woolen Piece Goods.

Claims use since Apr. 1, 1924.

Ser. No. 210,274. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BOTANY WORSTED MILLS, Passaic, N. J. Filed Feb. 28, 1925.

DRURYLAINE

Particular description of goods.—Woolen Piece Goods.

Claims use since Apr. 1, 1924.

Ser. No. 210,276. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

ART

Particular description of goods.—Collars.
Claims use since Dec. 12, 1921.

Ser. No. 210,281. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

GREYLOCK

Particular description of goods.—Collars.
Claims use since Dec. 11, 1920.

Ser. No. 210,282. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

LIBERTY

Particular description of goods.—Collars.
Claims use since Mar. 26, 1918.

Ser. No. 210,285. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

PAR

Particular description of goods.—Collars.
Claims use since July 18, 1922.

Ser. No. 210,298. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ELIZABETH A. HEITKAMP, St. Louis, Mo. Filed Feb. 28, 1925.



The word "Pomade" is disclaimed apart from the mark as shown.
Particular description of goods.—Hair Pomade.
Claims use since about Oct. 10, 1924.

Ser. No. 210,318. (CLASS 39. CLOTHING.) SLENDERELLA STOUT DRESSES, INC., New York, N. Y. Filed Feb. 28, 1925.



Particular description of goods.—Dresses.
Claims use since Feb. 17, 1925.

Ser. No. 210,319. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STERLING CABINET WORKS, INC., Winfield, Long Island City, N. Y. Filed Feb. 28, 1925.

STRAD-O-VOX

Particular description of goods.—Radio Loud Speakers.
Claims use since Sept. 6, 1924.

Ser. No. 210,324. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) TAUNTON RUBBER COMPANY, Taunton, Mass. Filed Feb. 28, 1925.

RADI—KUSHON

Applicant disclaims exclusive right to the use of the word "Kushon" apart from the mark shown in the drawing.
Particular description of goods.—Rubber Supporting Foot Pads for Cabinets and Other Articles.
Claims use since Feb. 13, 1925.

Ser. No. 210,333. (CLASS 39. CLOTHING.) VERNART MANUFACTURING CORPORATION, New York, N. Y. Filed Feb. 28, 1925.

RADIGLEEM

Particular description of goods.—Rubber and Fabric Aprons, Children's Bibs Made of Rubber and Fabric, and Scarfs and Bathing Caps.
Claims use since Dec. 15, 1924.

Ser. No. 210,339. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) BLUE DIAMOND VIRGINIA COAL CO., Knoxville, Tenn. Filed Mar. 2, 1925.

Bonny Blue

Particular description of goods.—Coal.
Claims use since December, 1924.

Ser. No. 210,343. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. W. BOWDEN AND SON, Vernon, Tex. Filed Mar. 2, 1925.

B
RM

Particular description of goods.—Liniment.
Claims use since Dec. 12, 1924.

Ser. No. 210,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURNS-MCCORKLE REMEDY CO., Atlanta, Ga. Filed Mar. 2, 1925.

YMF

Particular description of goods.—Preparation to Prevent Discharge from the Mucous Membranes.
Claims use since on or about Jan. 1, 1919.

Ser. No. 210,351. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

ARCHER

Particular description of goods.—Collars.
Claims use since Jan. 24, 1922.

Ser. No. 210,352. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

AVOLYN

Particular description of goods.—Collars.
Claims use since Nov. 22, 1904.

Ser. No. 210,353. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

DART

Particular description of goods.—Collars.
Claims use since June 19, 1924.

Ser. No. 210,357. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

KEBO

Particular description of goods.—Collars.
Claims use since Dec. 24, 1923.

Ser. No. 210,359. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

SPUR

Particular description of goods.—Collars.
Claims use since Dec. 23, 1920.

Ser. No. 210,361. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

TUXARA

Particular description of goods.—Collars.
Claims use since July 26, 1921.

Ser. No. 210,362. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

WHIP

Particular description of goods.—Collars.
Claims use since July 1, 1921.

Ser. No. 210,376. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 2, 1925.

Millepoint

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 2, 1925.

Ser. No. 210,377. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 2, 1925.

Grospoint

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 2, 1925.

Ser. No. 210,378. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 2, 1925.

Petitpoint

Particular description of goods.—Woolen Piece Goods.
Claims use since Feb. 2, 1925.

Ser. No. 210,380. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GIRARD & CO., INC., Bridgeport, Conn., and Mount Vernon, N. Y. Filed Mar. 2, 1925.

Gir-Lustre

Particular description of goods.—Preparation for Polishing and Preserving Automobile Bodies and Painted or Varnished or Polished Surfaces.
Claims use since Mar. 31, 1923.

Ser. No. 210,409. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ADOLPHE SCHWOB, INC., New York, N. Y. Filed Mar. 2, 1925.

MEADOWBROOK

Particular description of goods.—Watches and Watch Movements.
Claims use since Sept. 26, 1924.

Ser. No. 210,410. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ADOLPHE SCHWOB, INC., New York, N. Y. Filed Mar. 2, 1925.

CAMEO

Particular description of goods.—Watches and Watch Movements.
Claims use since Sept. 26, 1924.

Ser. No. 210,440. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BECKWITH-CHANDLER COMPANY, Newark, N. J. Filed Mar. 3, 1925.

BECKITE

Particular description of goods.—Pigmented Pyroxylin Coating Lacquer for Automobile and Other Vehicle Bodies.
Claims use since Jan. 15, 1925.

Ser. No. 210,510. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STEINFELD, INC., New York, N. Y. Filed Mar. 3, 1925.

Radio

Particular description of goods.—Electric Vacuum Cleaners.
Claims use since Jan. 30, 1925.

Ser. No. 210,523. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BINNEY & SMITH COMPANY, New York, N. Y. Filed Mar. 5, 1925.

VELVETEX

Particular description of goods.—Black Pigments for Use in the Rubber Industry.
Claims use since Jan. 1, 1925.

Ser. No. 210,538. (CLASS 39. CLOTHING.) DUOFOLD HEALTH UNDERWEAR COMPANY, Mohawk, N. Y. Filed Mar. 5, 1925.

Duocraft

Particular description of goods.—Sweaters and Sweater Coats.
Claims use since Aug. 25, 1924.

Ser. No. 210,551. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAND MEDICINE COMPANY, Philadelphia, Pa. Filed Mar 5, 1925. Under ten-year proviso.

HAND'S

Particular description of goods.—Medicinal Remedies—Namely, Teething Lotion, Chafing Powder, Diarrhea Mixture, Cough and Croup Medicine, Worm Elixir, Physic, General Tonic, and Colic Remedy.
Claims use since on or about Jan. 1, 1885.

Ser. No. 210,555. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN HOOD & CO. INC., New York, N. Y. Filed Mar. 5, 1925.

JACK O'LANTERN

Particular description of goods.—Cotton Goods in the Piece.
Claims use since Feb. 7, 1925.

Ser. No. 210,602. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN A. BIDWELL COMPANY, INC., Beverly, N. J. Filed Mar. 6, 1925.

KITCHENKRAFT

Particular description of goods.—Cotton Woven Dishcloths.
Claims use since about Oct. 1, 1924.

Ser. No. 210,619. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HERMAN RABINOWITZ, doing business as Rasico Silk Mills, New York, N. Y. Filed Mar. 6, 1925.

RASICO

Particular description of goods.—Silk, Satin, and Cotton Goods in the Piece.
Claims use since about Feb. 19, 1925.

Ser. No. 210,637. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN C. WEINSHEIMER, doing business as Kenmore Medicine Co., Kenmore, Ohio. Filed Mar. 6, 1925.



The trade-mark consists of a portrait of applicant.
Particular description of goods.—Medicine for Use in the Treatment of Rheumatism, Sprains, Neuritis, Neuralgia, Catarrh, Sore Throat, and Paralysis.
Claims use since Oct. 30, 1924.

Ser. No. 210,685. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) POLLER & BAUMAN, New York, N. Y. Filed Mar. 7, 1925.

Regona

Particular description of goods.—Plush Cloth Material.
Claims use since about Jan. 1, 1923.

Ser. No. 210,691. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BERNARD T. STEERE, doing business as Lansing Loom Works, Utica, N. Y. Filed Mar. 7, 1925.

HEIRLOOM

Particular description of goods.—Looms.
Claims use since Jan. 25, 1923.

Ser. No. 210,709. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROBERT MAXWELL CARSON, Belfast, Ireland. Filed Mar. 9, 1925.

LINANKY

Particular description of goods.—Linen Handkerchiefs Not in the Piece.
Claims use since Mar. 28, 1922.

Ser. No. 210,722. (CLASS 39. CLOTHING.) M. FINK & SONS, New York, N. Y. Filed Mar. 9, 1925.

Fyn-Sun "The World Over"

Particular description of goods.—Men's Work Shirts and Dress Shirts, Boys' Shirts, and Children's Play Suits.
Claims use since Feb. 1, 1925.

Ser. No. 210,767. (CLASS 39. CLOTHING.) WACHUSETT SHIRT CO., Leominster, Mass. Filed Mar. 9, 1925.

Playmore

Trade-mark consists of the word "Playmore."
Particular description of goods.—Dress, Negligee, and Sport Shirts.
Claims use since Dec. 18, 1924.

Ser. No. 210,770. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINTHROP CHEMICAL COMPANY, INC., New York, N. Y. Filed Mar. 9, 1925.

TENAMIN

Trade-Mark consists of the word "Tenamin."
Particular description of goods.—Uterine Hemostatic Medicine, the Descriptive Name of Which is "Amergine."
Claims use since Feb. 1, 1925.

Ser. No. 210,828. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. W. ANTRIM & SONS, Richmond, Va. Filed Mar. 11, 1925.

OLD MANSION

Particular description of goods.—Teas and Spices.
Claims use since July 7, 1924, on tea and since Sept. 13, 1923, on spices.

Ser. No. 210,830. (CLASS 39. CLOTHING.) CONSOLIDATED GLOVE & HOSIERY CORPORATION, San Francisco, Calif. Filed Mar. 11, 1925.

GRAYSTONE

Particular description of goods.—Gloves and Hosiery.
Claims use since Nov. 17, 1924.

Ser. No. 210,834. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE EMMERT SOAP COMPANY, Cincinnati, Ohio. Filed Mar. 11, 1925.

Tarmollis

Particular description of goods.—Liquid Soap.
Claims use since Oct. 29, 1924.

Ser. No. 210,867. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TINGUE, BROWN & CO., New York, N. Y. Filed Mar. 11, 1925.

Elite

Particular description of goods.—Flat-Work Sheeting for Flat-Work-Ironing Rolls.
Claims use since Jan. 10, 1925.

Ser. No. 210,885. (CLASS 39. CLOTHING.) CRADDOCK-TERRY COMPANY, Lynchburg, Va. Filed Mar. 12, 1925.

Turn Style

Particular description of goods.—Leather Shoes.
Claims use since Feb. 17, 1919.

Ser. No. 210,911. (CLASS 38. PRINTS AND PUBLICATIONS.) LESLIE-JUDGE COMPANY, New York, N. Y. Filed Mar. 12, 1925.

KRAZY KRACKS



Particular description of goods.—Magazine Articles.
Claims use since on or about Feb. 7, 1925.

Ser. No. 210,910. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NORTH AMERICAN DYE CORPORATION, Mount Vernon, N. Y. Filed Mar. 12, 1925.



White Witch.

Particular description of goods.—Powdered Toilet Soap.
Claims use since Feb. 25, 1925.

Ser. No. 210,934. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Mar. 12, 1925.

NO RUSTOL

Particular description of goods.—Lubricating Oils.
Claims use since Jan. 2, 1920.

Ser. No. 210,963. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HUNT, HELM, FERRIS & CO., Harvard, Ill. Filed Mar. 13, 1925.

STAR LINE

The word "Line" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Bull Staffs, Floor Scrapers, Litter Carriers, Feed Carriers, Milk-Can Carriers, Swinging Booms, Two and Three Way Track Switches, Hay Carriers, Hay Slings, Fork Pulleys, Hayforks, Hay-Carrier Returners, Tackle Block, Wire Stretchers, Giant Steel Hoists, and Trolley Conveyers.
Claims use since July, 1896.

Ser. No. 210,967. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Mar. 13, 1925.

Supercreamed

Particular description of goods.—Soap.
Claims use since Sept. 13, 1924.

Ser. No. 210,978. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PARAGON PAINT & VARNISH CORPORATION, New York and Long Island City, N. Y. Filed Mar. 13, 1925.

Unigloss

Particular description of goods.—Ready-Mixed Paints.
Claims use since Feb. 5, 1925.

Ser. No. 210,979. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE RIGAUD, INC., New York, N. Y. Filed Mar. 13, 1925.



Particular description of goods.—Perfumes, Toilet Waters, Face Powders, Compacts, Sachet Powders, Talcum Powder, Brilliantine, Lip Stick, Rouges, Bath Salts, Cold Cream, Greaseless Cream, Smelling Salts, Lotions, Hair Tonic, Eyebrow Pencils, Eyelash Beautifier, and Liquid Cold Cream.
Claims use since 1915.

Ser. No. 210,987. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION HARDWARE COMPANY, Torrington, Conn. Filed Mar. 13, 1925.

UNION
HARDWARE COMPANY

Particular description of goods.—Miter Boxes, Chisels, Screw Drivers, Skate Sharpeners, Hack-Saw Frames, Nail Pullers, and Tool Handles.
Claims use since about June, 1924.

Ser. No. 211,080. (CLASS 39. CLOTHING.) CHICAGO BARGAIN HOUSE, Chicago, Ill. Filed Mar. 16, 1925.

Goldenrod

Particular description of goods.—Hats for Women.
Claims use since Nov. 24, 1924.

Ser. No. 211,086. (CLASS 39. CLOTHING.) EDMONDS SHOE COMPANY, doing business as Trans-Continental Shoe Company, Milwaukee, Wis. Filed Mar. 16, 1925.

Transco

Particular description of goods.—Leather Shoes.
Claims use since Feb. 2, 1925.

Ser. No. 211,109. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ADOLPH KASTOR & BROS., New York, N. Y. Filed Mar. 16, 1925.

SOCIETY BOB

Particular description of goods.—Hair Clippers and Parts Thereof.
Claims use since Feb. 20, 1925.

Ser. No. 211,119. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Mar. 16, 1925.

OLGAR

Trade-mark comprises the word "Olgar."
Particular description of goods.—Liquid Petrolatum.
Claims use since Jan. 14, 1925.

Ser. No. 211,126. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAMILTON RUSSELL, Pensacola, Fla. Filed Mar. 16, 1925.

COUGH-GONE

Particular description of goods.—Medicinal Preparation for the Treatment of Coughs, Colds, Hoarseness, Sore Throat, Bronchitis, and All Diseases of the Throat and Lungs.
Claims use since October, 1918.

Ser. No. 211,128. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 16, 1925.

SHAWINIGAN

The trade-mark consists of elliptical panel defined by an outer border line. A large letter "S" is displayed on the minor axis of the panel and is interrupted at its

middle by the word "Shawinigan" displayed along the major axis of the panel and having the appearance of being superposed upon the letter "S."

Particular description of goods.—Calcium Carbide.
Claims use since October, 1920.

Ser. No. 211,130. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 16, 1925.



The trade-mark consists of an elliptical panel defined by an outer border line. A large letter "S" is displayed on the minor axis of the panel and is interrupted at its middle by the word "Shawinigan" displayed along the major axis of the panel and having the appearance of being superposed upon the letter "S."

Particular description of goods.—Acetaldehyde and Its Polymers, Aldol, Paraldehyde, Metaldehyde; Acetic Acid, Acetic Anhydride, Vinyl Acetate; Ethylidene Diacetate, Oxides and Sulphates of Mercury, and Rubber Accelerators, Particularly Aldehyde Ammonia.
Claims use since October, 1920.

Ser. No. 211,147. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AVERILL MANUFACTURING CORPORATION OF NEW YORK, New York, N. Y. Filed Mar. 17, 1925.

MI-BABY

Particular description of goods.—Dolls.
Claims use since Dec. 15, 1924.

Ser. No. 211,148. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AVERILL MANUFACTURING CORPORATION OF NEW YORK, New York, N. Y. Filed Mar. 17, 1925.

LULLABYE

Particular description of goods.—Dolls.
Claims use since Dec. 15, 1924.

Ser. No. 211,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES BROWN, doing business as The Atlantic Pharmacy, Atlantic City, N. J. Filed Mar. 17, 1925.



Particular description of goods.—Medicine for Indigestion.
Claims use since June, 1921.

Ser. No. 211,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAWSON CHEMICAL COMPANY, Indianapolis, Ind. Filed Mar. 17, 1925.



The circular background of drawing is red, upon which is superimposed in black the word "Ster-Alco."

Particular description of goods.—Antiseptic and Sterilizing Solution.
Claims use since Jan. 12, 1925.

Ser. No. 211,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES E. GAUSS, Sr., doing business as Coline Laboratories, Marshall, Mich. Filed Mar. 17, 1925.



The lining on the drawing is intended to indicate the color blue.

Particular description of goods.—Medicinal preparation Used in the Treatment of Constipation.
Claims use since Mar. 7, 1925.

Ser. No. 211,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM L. HAMILTON, doing business as Success Mfg. Co., Tishomingo, Okla. Filed Mar. 17, 1925.

RID-O-LICE

Particular description of goods.—Insect Powder.
Claims use since May, 1924.

Ser. No. 211,180. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TINGUE, BROWN & CO., New York, N. Y. Filed Mar. 17, 1925.

MULTIPLEX

Particular description of goods.—Woven Cotton Padding.
Claims use since Mar. 5, 1925.

Ser. No. 211,194. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES WHITMORE, Yonkers, N. Y. Filed Mar. 17, 1925.



Particular description of goods.—Insect Fluid.
Claims use since Jan. 2, 1925.

Ser. No. 211,212. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) IMA PRODUCTS CORP., Los Angeles, Calif. Filed Mar. 18, 1925.

IMA

Particular description of goods.—Facial Pack, Facial Cream, Dentifrice, and Nail Polish.
Claims use since November, 1923.

Ser. No. 211,278. (CLASS 6. CEHMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB D. LANDES, doing business as Bay Chemical Co., Oakland, Calif. Filed Mar. 19, 1925.



Particular description of goods.—Insecticides.
Claims use since Aug. 12, 1924.

Ser. No. 211,283. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAM G. MILLER, doing business as Samsav Company, Clarendon, Ark. Filed Mar. 19, 1925.

SAMSAV

Particular description of goods.—Salves Used in the Treatment of Sores, Burns, Scalds, Cuts, Toe Itch, Piles, Cold in the Head, Toothache, Headache, Neuralgia, Sore Throat, Croup, Bronchial Trouble, Asthma, and Pain in Chest and Sides.
Claims use since July 1, 1924.

Ser. No. 211,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE POMPEIAN MFG. COMPANY, Cleveland, Ohio. Filed Mar. 19, 1925.

BATHADE

Particular description of goods.—Water Softener and Bath Perfume.
Claims use since Mar. 4, 1925.

Ser. No. 211,294. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROWE & ROWE, North Platte, Nebr. Filed Mar. 19, 1925.

ROT
ROOT

Particular description of goods.—Dandelion-Killing Compound.
Claims use since May, 1924.

Ser. No. 211,305. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS., TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 19, 1925.

HEX

CIDE

The trade-mark comprises the arbitrarily-coined word "Hexcide."

Particular description of goods.—Disinfectants and Insecticides.
Claims use since on or about Feb. 28, 1921.

Ser. No. 211,308. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Mar. 19, 1925.

HEX

SOTE

The trade-mark comprises the arbitrarily-coined word "Hexsote."

Particular description of goods.—Creosote Wood Preservatives.

Claims use since on or about Feb. 28, 1921.

Ser. No. 211,332. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COTY, INC., Wilmington, Del., and New York, N. Y. Filed Mar. 20, 1925.

LES DRAGÉES DE COTY

Particular description of goods.—Bath salts.

Claims use since Jan. 5, 1925.

Ser. No. 211,340. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DRYICE CORPORATION OF AMERICA, New York and Long Island City, N. Y. Filed Mar. 20, 1925.

DRY ICE

Particular description of goods.—Carbon Dioxide (CO_2) in Solidified Forms, Mixtures, and Compounds.

Claims use since Mar. 3, 1925.

Ser. No. 211,342. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT E. EAST, doing business as Maxoline Chemical Company, Muncie, Ind. Filed Mar. 20, 1925.

MAXOLINE

Particular description of goods.—Anæsthetics.

Claims use since Feb. 18, 1924.

Ser. No. 211,374. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE PARISI, Corona, N. Y. Filed Mar. 20, 1925.



No claim is made to the words "Dental Powder" apart from the mark shown on the drawing.

Particular description of goods.—Dental Powder.

Claims use since Feb. 15, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

APRIL 28, 1925.

197,812. MEDICINAL PREPARATION RECOMMENDED FOR THE RELIEF OF CONSTIPATION AND FOR RELIEF OF DISORDERS OF THE INTESTINE. G. W. CARNRICK CO., New York, N. Y.
Filed December 17, 1924. Serial No. 206,825. PUBLISHED FEBRUARY 24, 1925.

197,813. MOTOR-FUEL INGREDIENT. CERTIFIED LABORATORY PRODUCTS INC., Glendale, Calif.
Filed December 18, 1924. Serial No. 206,878. PUBLISHED FEBRUARY 10, 1925.

197,814. PREPARATION FOR THE TREATMENT OF SKIN DISEASES. JOSEPH DIMITUI, St. Marys, Pa.
Filed December 18, 1924. Serial No. 206,883. PUBLISHED FEBRUARY 10, 1925.

197,815. METAL POLISH. THE HARTFORD MILL SUPPLY COMPANY, Hartford, Conn.
Filed December 18, 1924. Serial No. 206,894. PUBLISHED FEBRUARY 10, 1925.

197,816. BUTTER. ARTHUR O. KARLEN, doing business as Valley Creamery, Oakville, Wash.
Filed December 18, 1924. Serial No. 206,904. PUBLISHED FEBRUARY 10, 1925.

197,817. OLEOMARGARINE. SWIFT AND COMPANY, Chicago, Ill.
Filed December 18, 1924. Serial No. 206,928. PUBLISHED FEBRUARY 10, 1925.

197,818. WRAPPING PAPER. SPRINGFIELD GLAZED PAPER COMPANY, West Springfield, Mass.
Filed December 19, 1924. Serial No. 206,981. PUBLISHED FEBRUARY 10, 1925.

197,819. WORSTED PIECE GOODS AND WOOLEN PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,044. PUBLISHED FEBRUARY 10, 1925.

197,820. GOLF CLUBS, GOLF BAGS, AND GOLF BALLS. THOS. E. WILSON & CO., Chicago, Ill.
Filed December 22, 1924. Serial No. 207,109. PUBLISHED FEBRUARY 10, 1925.

197,821. GOLF CLUBS, GOLF BALLS, AND GOLF BAGS. THOS. E. WILSON & CO., Chicago, Ill.
Filed December 22, 1924. Serial No. 207,110. PUBLISHED FEBRUARY 10, 1925.

197,822. DOLLS. IDEAL NOVELTY & TOY CO., Brooklyn, N. Y.
Filed December 23, 1924. Serial No. 207,136. PUBLISHED FEBRUARY 10, 1925.

197,823. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif.
Filed December 24, 1924. Serial No. 207,190. PUBLISHED FEBRUARY 10, 1925.

197,824. CANDY. A. B. MEWHINNEY CO. INC., Terre Haute, Ind.
Filed December 29, 1924. Serial No. 207,392. PUBLISHED FEBRUARY 10, 1925.

197,825. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed December 29, 1924. Serial No. 207,429. PUBLISHED FEBRUARY 10, 1925.

197,826. CANNED AND PRESERVED FRUITS, FRUIT PRESERVES, JELLIES, MARMALADES, AND FRUIT PASTES. HORNBROOK & GIST, Tampa, Fla.
Filed December 30, 1924. Serial No. 207,461. PUBLISHED FEBRUARY 10, 1925.

197,827. BUFFS. K. F. GRIFFITHS BUFF COMPANY, INC., New York, N. Y.
Filed December 31, 1924. Serial No. 207,503. PUBLISHED FEBRUARY 10, 1925.

197,828. PREPARATION FOR THE TREATMENT OF CONSTIPATION AND SICK HEADACHE. JOHN H. OEHLSCHLAGER, Paducah, Ky.
Filed December 31, 1924. Serial No. 207,512. PUBLISHED FEBRUARY 10, 1925.

197,829. GINGER ALE AND ROOT BEER. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed January 2, 1925. Serial No. 207,596. PUBLISHED FEBRUARY 10, 1925.

197,830. FOOD FOR BIRDS. SPRATT'S PATENT (AMERICA) LIMITED, London, England.
Filed December 17, 1924. Serial No. 206,862. PUBLISHED FEBRUARY 10, 1925.

197,831. PREPARATIONS FOR THE TREATMENT OF COUGHS, COLDS, SORE THROAT, CONSTIPATION, INDIGESTION, AND BILIOUSNESS. HOUCHENS MEDICINE CO., Baltimore, Md.
Filed December 17, 1924. Serial No. 206,848. PUBLISHED FEBRUARY 10, 1925.

197,832. BATH SALTS. E. GRIFFITHS HUGHES, LIMITED, Manchester, England.
Filed December 17, 1924. Serial No. 206,836. PUBLISHED FEBRUARY 10, 1925.

197,833. CERTAIN TOILET PREPARATIONS. JOHN GLASSFORD, doing business as Ibis, Perfumer, New York, N. Y.
Filed December 17, 1924. Serial No. 206,834. PUBLISHED FEBRUARY 10, 1925.

197,834. FISHING LINE. ASHAWAY LINE & TWINE MANUFACTURING COMPANY, Ashaway, R. I.
Filed December 17, 1924. Serial No. 206,820. PUBLISHED FEBRUARY 10, 1925.

197,835. MEDICINAL REMEDIES—NAMELY, LAXATIVE HERBAL COMPOUND. ROSS WILKS, doing business as Vital Food Co., Los Angeles, Calif.
Filed December 16, 1924. Serial No. 206,815. PUBLISHED FEBRUARY 10, 1925.

197,836. CERTAIN TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed December 16, 1924. Serial No. 206,785. PUBLISHED FEBRUARY 10, 1925.

197,837. OIL OF YLANG-YLANG. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed December 16, 1924. Serial No. 206,775. PUBLISHED FEBRUARY 10, 1925.

197,838. HOSIERY. PENNSYLVANIA SILK HOSIERY MILLS, INC., Bangor, Pa.
Filed December 15, 1924. Serial No. 206,746. PUBLISHED FEBRUARY 3, 1925.

197,839. GAME BOARD AND CARDS USED IN CONNECTION THEREWITH. EDWIN PALMER MCCOLLOM, Baltimore, Md.
Filed December 15, 1924. Serial No. 206,738. PUBLISHED FEBRUARY 10, 1925.

197,840. MEDICINAL PREPARATION—NAMELY, LIVER TONIC AND LAXATIVE. JAMES G. GATLIN, doing business as Endocrine Laboratory, St. Louis, Mo.
Filed December 15, 1924. Serial No. 206,729. PUBLISHED FEBRUARY 10, 1925.

197,841. CARBONATED WATER. ADOLPH WESTPHAL, doing business as Adolph Westphal Bottling Co., River Forest, Ill.
Filed December 13, 1924. Serial No. 206,710. PUBLISHED FEBRUARY 10, 1925.

197,842. NONALCOHOLIC, CARBONATED BEVERAGES SOLD AS SOFT DRINKS—NAMELY, GINGER ALE, ROOT BEER, LIME SODA, STRAWBERRY SODA, GRAPE SODA, ORANGE SODA, CHERRY SODA, LEMON SODA, BIRCH BEER, SARSAPARILLA, CREAM SODA, CHOCOLATE SODA, COLA, AND SIRUPS FOR MAKING THE SAME, ALSO CARBONATED WATER. ADOLPH WESTPHAL, River Forest, Ill.
Filed December 13, 1924. Serial No. 206,707. PUBLISHED FEBRUARY 10, 1925.

197,843. FACIAL CREAMS. HENRY THAYER & CO. INC., Cambridge, Mass.
Filed December 13, 1924. Serial No. 206,701. PUBLISHED FEBRUARY 10, 1925.

197,844. MEDICINE FOR CROUP. THE E. L. PATCH COMPANY, Stoneham, Mass.
Filed December 13, 1924. Serial No. 206,683. PUBLISHED FEBRUARY 10, 1925.

197,845. TABLET FOR TREATING COLDS. ABEL T. EZELL, Bellflower, Calif.
Filed December 13, 1924. Serial No. 206,661. PUBLISHED FEBRUARY 10, 1925.

197,846. FOUNTAIN PENS AND PENCILS. JULIUS SCHMID, INC., New York, N. Y.
Filed December 12, 1924. Serial No. 206,640. PUBLISHED FEBRUARY 10, 1925.

197,847. DRIED BUTTERMILK. SCHLOSSER BROTHERS, Frankfort, Ind.
Filed December 10, 1924. Serial No. 206,544. PUBLISHED FEBRUARY 10, 1925.

197,848. MALT EXTRACT FOR FOOD PURPOSES. BIELEK MFG. CO., Pittsburgh, Pa.
Filed December 10, 1924. Serial No. 206,511. PUBLISHED FEBRUARY 10, 1925.

197,849. CANDY. SWEET-PLUS, INC., Fort Wayne, Ind.
Filed November 24, 1924. Serial No. 205,797. PUBLISHED FEBRUARY 10, 1925.

197,850. HOUSE ORGAN. SAM T. GREENE & COMPANY, Denver, Colo.
Filed November 25, 1924. Serial No. 205,826. PUBLISHED FEBRUARY 3, 1925.

197,851. SOAPS AND SOAP POWDERS. COLLOIDAL SULPHUR CORPORATION, Dover, Del., and Baltimore, Md.
Filed November 26, 1924. Serial No. 205,860. PUBLISHED FEBRUARY 10, 1925.

197,852. LOUD-SPEAKER UNITS, CONSISTING OF AN AMPLIFYING HORN, A BASE, AND A TELEPHONIC RECEIVER ASSEMBLED AND SOLD AS A UNIT. JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich.
Filed November 26, 1924. Serial No. 205,870. PUBLISHED FEBRUARY 10, 1925.

197,853. GOLF CLUBS. THE CRAWFORD, MCGREGOR AND CANBY COMPANY, Dayton, Ohio.
Filed November 28, 1924. Serial No. 205,910. PUBLISHED FEBRUARY 10, 1925.

197,854. MONTHLY PUBLICATION. POPULAR RADIO, INC., New York, N. Y.
Filed November 28, 1924. Serial No. 205,947. PUBLISHED FEBRUARY 10, 1925.

197,855. TOY FLYING MACHINES. SMITH-DWYER MANUFACTURING COMPANY, Dayton, Ohio.
Filed November 28, 1924. Serial No. 205,958. PUBLISHED FEBRUARY 10, 1925.

197,856. CHILDREN'S SLEDS. AMERICAN TOY & NOVELTY WORKS, York, Pa.
Filed November 29, 1924. Serial No. 205,976. PUBLISHED FEBRUARY 10, 1925.

197,857. FRESH FRUITS: ORANGES, GRAPEFRUIT, AND TANGERINES. INDEPENDENT FRUIT GROWERS, INC., New York, N. Y.
Filed November 29, 1924. Serial No. 206,004. PUBLISHED FEBRUARY 10, 1925.

197,858. WASHING POWDER. LEVER BROTHERS COMPANY, Cambridge, Mass.
Filed November 29, 1924. Serial No. 206,006. PUBLISHED FEBRUARY 10, 1925.

197,859. CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE AND ABRASIVE AND POLISHING MATERIAL FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed December 1, 1924. Serial No. 206,057. PUBLISHED FEBRUARY 10, 1925.

197,860. LIQUID CLEANSING MATERIAL FOR CANVAS, DUCK, AND SUEDE SHOES OF ALL COLORS FOR MEN, WOMEN, AND CHILDREN. GEO. WILL & CO., Long Island City, N. Y.
Filed December 1, 1924. Serial No. 206,100. PUBLISHED FEBRUARY 10, 1925.

197,861. GAS MANTLES. BUSCHMAN WEISSBERG & CO., INC., New York, N. Y.
Filed December 2, 1924. Serial No. 206,106. PUBLISHED FEBRUARY 10, 1925.

197,862. DRIED BEANS. SAGINAW MILLING COMPANY, Saginaw, Mich.
Filed December 2, 1924. Serial No. 206,130. PUBLISHED FEBRUARY 10, 1925.

197,863. FRESH APPLES. CARL W. KIMBALL, doing business as The Kimball Export Company, New York, N. Y.
Filed December 3, 1924. Serial No. 206,172. PUBLISHED FEBRUARY 10, 1925.

197,864. VEHICLE BODIES. ALMON F. HOWLAND, Northfield, Minn.
Filed December 4, 1924. Serial No. 206,240. PUBLISHED FEBRUARY 3, 1925.

197,865. COAL. W. A. MARSHALL & COMPANY, INCORPORATED, New York, N. Y.
Filed December 4, 1924. Serial No. 206,251. PUBLISHED FEBRUARY 3, 1925.

197,866. HAIR GOODS—NAMELY, BOB COVERS OR SWITCHES. S. GLEMBY'S SONS CO., INC., New York, N. Y.
Filed December 5, 1924. Serial No. 206,291. PUBLISHED FEBRUARY 10, 1925.

197,867. PAPER BOARD. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis.
Filed December 5, 1924. Serial No. 206,321. PUBLISHED FEBRUARY 10, 1925.

197,868. COAL. BERTHA-CONSUMERS COMPANY, Pittsburgh, Pa.
Filed December 8, 1924. Serial No. 206,394. PUBLISHED FEBRUARY 3, 1925.

197,869. CONFECTIONERY—NAMELY, ICE CREAM, SHERBETS, FROZEN PUDDINGS, FROZEN FRUIT PUNCHES, BONBONS, DIPPED CANDY, TAFFIES, NUT CANDY, HARD CANDY, BRITTLE, FUDGE, NUT BARS, FRUIT BARS, BUTTERSCOTCH, ROASTED AND SALTED NUTS IN BULK AND PACKAGES, AND CHOCOLATE AND CHOCOLATE NUT BARS. GEORGE WALKER BUDD, Wilkes-Barre, Pa.
Filed August 30, 1924. Serial No. 202,049. PUBLISHED FEBRUARY 17, 1925.

197,870. CANDY. NATIONAL CANDY COMPANY, St. Louis, Mo.
Filed September 8, 1924. Serial No. 202,352. PUBLISHED FEBRUARY 10, 1925.

197,871. SOAPS. THE EAST MOLINE SOAP MANUFACTURING CO., East Moline, Ill.
Filed September 10, 1924. Serial No. 202,441. PUBLISHED FEBRUARY 10, 1925.

197,872. KNITTED FABRIC MADE FROM PURE VIRGIN WOOL. COHEN, GOLDMAN & CO. INC., New York, N. Y.
Filed September 11, 1924. Serial No. 202,489. PUBLISHED FEBRUARY 10, 1925.

197,873. BRAZIL NUTS, WALNUTS, FILBERTS, AND MIXTURES THEREOF, ALMONDS AND PECANS IN THEIR NATURAL STATE. THE HILLS BROTHERS COMPANY, New York, N. Y.
Filed September 17, 1924. Serial No. 202,966. PUBLISHED FEBRUARY 17, 1925.

197,874. PREPARATION FOR THE TREATMENT OF BRUISED COCCYX. MRS. J. MERENESS, Los Angeles, Calif.
Filed October 6, 1924. Serial No. 203,479. PUBLISHED DECEMBER 23, 1924.

197,875. CLEANERS, DRESSINGS, CREAMS, AND POLISHES FOR FOOTWEAR. HARRY SCHWARZSCHILD, doing business as Pedox Produx Company, New York, N. Y.
Filed October 11, 1924. Serial No. 203,754. PUBLISHED DECEMBER 9, 1924.

197,876. WHEAT FLOUR. WHITE SATIN SUGAR COMPANY, Minneapolis, Minn.
Filed October 11, 1924. Serial No. 203,771. PUBLISHED FEBRUARY 10, 1925.

197,877. PATENT FAMILY FLOUR, GRAHAM FLOUR, WHOLE-WHEAT FLOUR, FARINA, PASTRY FLOUR, AND SCRATCH, MASH, AND DAIRY FEED. KENNEWICK FLOUR MILLS COMPANY, Kennewick, Wash.
Filed October 16, 1924. Serial No. 203,956. PUBLISHED FEBRUARY 10, 1925.

197,878. CANDY. JOSEPH S. PHALEN, Minneapolis, Minn.
Filed October 16, 1924. Serial No. 203,971. PUBLISHED DECEMBER 9, 1924.

197,879. WHEAT FLOUR. HUGH P. HOYT, doing business as Atlas Milling Co., Clinton, Mich.
Filed October 17, 1924. Serial No. 204,031. PUBLISHED FEBRUARY 10, 1925.

197,880. CHOCOLATE. SUCHARD, S. A., Neuchatel, Switzerland.
Filed October 21, 1924. Serial No. 204,251. PUBLISHED FEBRUARY 17, 1925.

197,881. RUBBERIZED TEXTILE FABRICS CONSISTING OF A WOVEN FABRIC ONE SIDE OF WHICH IS COATED WITH RUBBER. ARCHER STRAUSS RUBBER COMPANY, Framingham, Mass.
Filed October 27, 1924. Serial No. 204,483. PUBLISHED FEBRUARY 10, 1925.

197,882. ADHESIVE LIQUID CEMENT. BENJAMIN P. TAYLOR, Cincinnati, Ohio.
Filed October 29, 1924. Serial No. 204,574. PUBLISHED FEBRUARY 10, 1925.

197,883. EVAPORATED MILK. FRED W. UNDERWOOD, doing business as F. W. Underwood Company, Memphis, Tenn.
Filed October 30, 1924. Serial No. 204,640. PUBLISHED FEBRUARY 17, 1925.

197,884. CANDY. PETER PAUL CANDY MANUFACTURING COMPANY, INCORPORATED, Naugatuck, Conn.
Filed November 1, 1924. Serial No. 204,723. PUBLISHED FEBRUARY 10, 1925.

197,885. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed November 4, 1924. Serial No. 204,841. PUBLISHED FEBRUARY 10, 1925.

197,886. HORSE AND MULE FEED AND HEN FEED. WESTERN GRAIN COMPANY, Birmingham, Ala.
Filed November 5, 1924. Serial No. 204,879. PUBLISHED FEBRUARY 10, 1925.

197,887. MEN'S SUITS AND TOP COATS. SIMON ACKERMAN CLOTHES, INC., New York, N. Y.
Filed November 6, 1924. Serial No. 204,884. PUBLISHED JANUARY 27, 1925.

197,888. SELF-RISING WHEAT FLOUR. BRANDON MILL & ELEVATOR COMPANY, Marianna, Fla.
Filed November 6, 1924. Serial No. 204,890. PUBLISHED FEBRUARY 10, 1925.

197,889. WALNUTS IN THEIR NATURAL STATE. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y.
Filed January 9, 1925. Serial No. 207,846. PUBLISHED FEBRUARY 17, 1925.

197,890. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 31, 1924. Serial No. 207,537. PUBLISHED FEBRUARY 10, 1925.

197,891. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 31, 1924. Serial No. 207,536. PUBLISHED FEBRUARY 10, 1925.

197,892. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 31, 1924. Serial No. 207,535. PUBLISHED FEBRUARY 10, 1925.

197,893. WOOLEN GOODS IN THE PIECE. WORUMBO MANUFACTURING COMPANY, Bath, Me.
Filed December 30, 1924. Serial No. 207,483. PUBLISHED FEBRUARY 10, 1925.

197,894. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed December 26, 1924. Serial No. 207,227. PUBLISHED FEBRUARY 10, 1925.

197,895. COTTON FABRICS AND COTTON AND SILK FABRICS. WM. ANDERSON TEXTILE MFG. CO. INC., New York, N. Y.
Filed December 26, 1924. Serial No. 207,222. PUBLISHED FEBRUARY 10, 1925.

197,896. BROOMS. THE SOUTH-WESTERN BROOM MFG. CO., Evansville, Ind.
Filed December 24, 1924. Serial No. 207,210. PUBLISHED FEBRUARY 17, 1925.

197,897. CERTAIN PIECE GOODS. E. H. BEHRENS & CO., INC., New York, N. Y.
Filed December 24, 1924. Serial No. 207,172. PUBLISHED FEBRUARY 10, 1925.

197,898. BOLTING SILK, A TEXTILE MATERIAL. ANDREW P. TRABER, New York, N. Y.
Filed December 23, 1924. Serial No. 207,156. PUBLISHED FEBRUARY 10, 1925.

197,899. BOLTING SILK, A TEXTILE MATERIAL. ANDREW P. TRABER, New York, N. Y.
Filed December 23, 1924. Serial No. 207,155. PUBLISHED FEBRUARY 10, 1925.

197,900. PRESERVED HERRING. ANDREW BREMNER & COMPANY LIMITED, Aberdeen, Scotland.
Filed December 23, 1924. Serial No. 207,122. PUBLISHED FEBRUARY 17, 1925.

197,901. CANDY. THE SMAKLETS COMPANY, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,103. PUBLISHED FEBRUARY 17, 1925.

197,902. COTTON PIECE GOODS. PACIFIC MILLS, Lawrence and Boston, Mass.
Filed December 22, 1924. Serial No. 207,098. PUBLISHED FEBRUARY 10, 1925.

197,908. CERTAIN TEXTILE FABRICS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,047. PUBLISHED FEBRUARY 10, 1925.

197,904. WOOL PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,033. PUBLISHED FEBRUARY 10, 1925.

197,905. CERTAIN PIECE GOODS. R. H. BERENS & CO., INC., New York, N. Y.
Filed December 20, 1924. Serial No. 206,990. PUBLISHED FEBRUARY 10, 1925.

197,906. STAINED-GLASS PAPER SERVING AS A WINDOW TRANSPARENCY. CHARLES G. KEMPSTEIN, New York, N. Y.
Filed December 19, 1924. Serial No. 206,970. PUBLISHED FEBRUARY 10, 1925.

197,907. CHOCOLATE BAR. CRYSTAL CANDY COMPANY, Winston-Salem, N. C.
Filed December 19, 1924. Serial No. 206,946. PUBLISHED FEBRUARY 17, 1925.

197,908. STUCCO, PLASTER, AND FLOORING. ASBESTOLOID PRODUCTS COMPANY, Kalamazoo, Mich.
Filed December 8, 1924. Serial No. 206,390. PUBLISHED FEBRUARY 10, 1925.

197,909. SHELLED PEANUTS IN THEIR NATURAL STATE, STOCK FEED, CANNED BLACKBERRIES, CANNED SWEET POTATOES, CANNED TOMATOES, AND CANNED PEACHES. ALEX WOLDERT COMPANY, doing business as Woldert Peanut Products Co. and Woldert Canning Company, Tyler, Tex.
Filed March 11, 1924. Serial No. 186,646. PUBLISHED FEBRUARY 10, 1925.

197,910. INSIGNIA BUTTONS AND ORNAMENTS MADE OF A SPECIAL METAL (NOT A PRECIOUS METAL) AND DESIGNED ESPECIALLY FOR USE ON ARMY, MARINE, AND OTHER UNIFORMS AND EQUIPMENT, AND MORE PARTICULARLY ON COLLARS, SHOULDER STRAPS, AND CAPS OF UNIFORMS. N. S. MEYER, INC., New York, N. Y.
Filed March 6, 1924. Serial No. 193,845. PUBLISHED FEBRUARY 17, 1925.

197,911. SHOTGUNS, RIFLES, AND PISTOLS AND PARTS THEREOF. HANS SAUER, doing business as J. P. Sauer & Sohn, Suhl, in Thuringia, Germany.
Filed February 27, 1924. Serial No. 192,927. PUBLISHED FEBRUARY 10, 1925.

197,912. TALC, WHITING, AND SILICA. SIERRA TALC COMPANY, Los Angeles, Calif.
Filed January 28, 1924. Serial No. 191,412. PUBLISHED FEBRUARY 17, 1925.

197,913. MINERAL WATER. OZONE CO. INC., New Orleans, La.
Filed January 4, 1924. Serial No. 190,428. PUBLISHED FEBRUARY 17, 1925.

197,914. GROUND AND POWDERED LIMESTONE FOR AGRICULTURAL AND OTHER USES. CARTHAGE CRUSHED LIMESTONE CO., Carthage, Mo.
Filed December 20, 1923. Serial No. 189,981. PUBLISHED FEBRUARY 10, 1925.

197,915. TORCHES, TALLOW POTS, OR OIL POTS. EAGLE MANUFACTURING COMPANY, Wellsburg, W. Va.
Filed November 27, 1923. Serial No. 188,953. PUBLISHED FEBRUARY 10, 1925.

197,916. YARN, AND PARTICULARLY YARN OF OR CONTAINING COTTON. THE SHENANDOA COTTON CO. OF UTICA, N. Y., Utica, N. Y.
Filed November 20, 1923. Serial No. 188,615. PUBLISHED FEBRUARY 10, 1925.

197,917. SUGAR SIRUP FOR FOOD PURPOSES. AMERICAN BUREAUIZING COMPANY AND WALLERSTEIN LABORATORIES, New York, N. Y.
Filed November 16, 1923. Serial No. 188,397. PUBLISHED FEBRUARY 17, 1925.

197,918. CANNED GOODS—NAMELY, CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FISH, CHILI SAUCE, CATCHUP, HOMINY, SAUERKRAUT, BEANS WITH PORK, ASSORTED FRUITS FOR SALAD, TUNNY FISH, AND LOBSTER. HAAS-LIEBER GROCERY COMPANY, St. Louis, Mo.
Filed October 25, 1923. Serial No. 187,461. PUBLISHED FEBRUARY 17, 1925.

197,919. COFFEES AND TEAS. STEPHEN D. CANGIOS, doing business as Overland Coffee Company, Chicago, Ill.
Filed October 12, 1923. Serial No. 186,870. PUBLISHED FEBRUARY 10, 1925.

197,920. IMITATION-LEATHER LINING FOR TRUNKS. HARTMANN TRUNK COMPANY, Racine, Wis.
Filed October 11, 1923. Serial No. 186,839. PUBLISHED FEBRUARY 10, 1925.

197,921. MEAT MEAL, MEAT SCRAPS, BLOOD MEAL, AND TANKAGE FOR POULTRY AND HOG FEED PREPARATIONS. E. RAUH & SONS FERTILIZER COMPANY, Indianapolis, Ind.
Filed August 20, 1923. Serial No. 184,760. PUBLISHED FEBRUARY 19, 1924.

197,922. OILCLOTH. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y.
Filed July 30, 1923. Serial No. 183,862. PUBLISHED FEBRUARY 10, 1925.

197,923. PETROLEUM OIL PRODUCTS AND MORE PARTICULARLY LUBRICATING OILS. KERR AND WOOLF OIL COMPANY, Shreveport, La., and Houston, Tex.
Filed February 20, 1923. Serial No. 176,345. PUBLISHED FEBRUARY 10, 1925.

197,924. PETROLEUM AND PRODUCTS OF PETROLEUM WITH OR WITHOUT ADMIXTURES OF OTHER MATERIALS FOR ILLUMINATING AND HEATING, LUBRICATING, GREASING, SOLVENT, WATERPROOFING, RUST PREVENTING, SURFACE PRESERVING, AND TEMPERING. STANDARD OIL COMPANY OF NEW YORK, New York, N. Y.
Filed February 12, 1923. Serial No. 175,967. PUBLISHED JULY 22, 1924.

197,925. CANNED OR PRESERVED FOODS. ARGUS WATSON & COMPANY LIMITED, Newcastle-on-Tyne, England.
Filed October 4, 1922. Serial No. 170,317. PUBLISHED FEBRUARY 10, 1925.

197,926. STOVEPIPE. WHEELING CORRUGATING COMPANY, Wheeling, W. Va.
Filed July 27, 1922. Serial No. 167,497. PUBLISHED FEBRUARY 10, 1925.

197,927. DRIED FRUITS, CANNED VEGETABLES, AND DRIED VEGETABLES. UNITED STATES PRODUCTS CORPORATION, San Francisco, Calif.
Filed June 30, 1922. Serial No. 166,330. PUBLISHED JUNE 24, 1924.

197,928. SELF-RISING FLOUR. MEMO MILLS, Nashville, Tenn.
Filed May 12, 1921. Serial No. 147,632. PUBLISHED FEBRUARY 10, 1925.

197,929. CONDIMENT FOR FOODS, SAID CONDIMENT BEING A SAUCE FOR USE ON MEATS, POULTRY, FISH, GAME, AND OYSTERS. ROY C. ROBBINS, Peoria, Ill.
Filed August 27, 1924. Serial No. 201,985. PUBLISHED FEBRUARY 10, 1925.

197,930. CHEESE. UNITED CHEESE IMPORTERS, INC., New York, N. Y.
Filed August 25, 1924. Serial No. 201,867. PUBLISHED FEBRUARY 10, 1925.

197,931. CAKES, COOKIES, FRIED CAKES AND DOUGHNUTS, BREAD, AND ROLLS. GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich.
Filed August 25, 1924. Serial No. 201,842. PUBLISHED FEBRUARY 10, 1925.

197,932. EDIBLE COCONUT OIL. THE VEGETABLE OIL CORPORATION, New York, N. Y.
Filed August 18, 1924. Serial No. 201,602. PUBLISHED FEBRUARY 10, 1925.

197,933. CANNED VEGETABLES. EAST PEMBROKE CANNING CO., East Pembroke, N. Y.
Filed August 14, 1924. Serial No. 201,307. PUBLISHED FEBRUARY 17, 1925.

197,934. TABLE POTATOES IN THEIR NATURAL STATE. MACK BOUCHARD & SON, Caribou, Me.
Filed August 14, 1924. Serial No. 201,288. PUBLISHED OCTOBER 14, 1924.

197,935. TALLOW FOR USE IN MANUFACTURING SOAP. WELCH, HOLME & CLARK COMPANY, Newark, N. J., and New York, N. Y.
Filed August 2, 1924. Serial No. 200,919. PUBLISHED JANUARY 20, 1925.

197,936. MINCEMEAT, RICE, CANNED OYSTERS, BLENDED COFFEE, FLAVORING EXTRACTS FOR FOODS, MACARONI, TOMATO CATCHUP, CORN AND REFINERY TABLE SIRUP, TEA, SPICES, PEPPER SAUCE, PEPPER, MUSTARD, MUSTARD DRESSING, OLIVES, CANNED HOMINY, PEANUT BUTTER, AND VINEGAR, ROLLED OATS, CHEESE, CANNED MILK, JELLY, SALAD DRESSING, DRIED FRUIT, FRUIT PRESERVES, AND MOLASSES. MINNESOTA MERCANTILE CO., Stillwater, Minn.
Filed July 28, 1924. Serial No. 200,578. PUBLISHED FEBRUARY 10, 1925.

197,937. ARTIFICIAL-SILK KNITTED FABRIC. NATHAN HALPERIN, doing business as Halperin Mills, Brooklyn, N. Y.
Filed July 12, 1924. Serial No. 199,941. PUBLISHED FEBRUARY 10, 1925.

197,938. SAUSAGE AND HAM. ARMOUR AND COMPANY, Chicago, Ill.
Filed July 10, 1924. Serial No. 199,816. PUBLISHED FEBRUARY 17, 1925.

197,939. BEDROOM AND DINING-ROOM FURNITURE—NAMELY, BEDS; BEDSTEADS MADE OF BRASS, METAL, WOOD, AND OTHER INGREDIENTS; MATTRESSES, BED SPRINGS, DAY BEDS, CHAIRS, TABLES, AND BUFFETS. DURABILT FURNITURE MANUFACTURERS, INCORPORATED, New York, N. Y.
Filed July 5, 1924. Serial No. 199,612. PUBLISHED FEBRUARY 3, 1925.

197,940. WHEAT FLOUR, AND PARTICULARLY SELF-RISING FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed June 19, 1924. Serial No. 198,784. PUBLISHED FEBRUARY 10, 1925.

197,941. WHEAT FLOUR. BALLARD & BALLARD CO., Louisville, Ky.
Filed June 19, 1924. Serial No. 198,783. PUBLISHED FEBRUARY 10, 1925.

197,942. CERTAIN PIECE GOODS. JACOB MILLER'S SONS CO., Philadelphia, Pa.
Filed June 11, 1924. Serial No. 198,415. PUBLISHED FEBRUARY 10, 1925.

197,943. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed May 13, 1924. Serial No. 196,947. PUBLISHED JANUARY 13, 1925.

197,944. LIME AND CEMENT. SOCIETE ANONYME DES CHAUX ET CIMENTS DE LAFARGE ET DU TEIL, Viviers, Ardeche, France.
Filed April 16, 1924. Serial No. 195,657. PUBLISHED FEBRUARY 10, 1925.

197,945. FISH ISINGLASS. AMERICAN GLUE COMPANY, Boston, Mass.
Filed April 1, 1924. Serial No. 194,765. PUBLISHED FEBRUARY 10, 1925.

197,946. OILS AND GREASES. GALENA-SIGNAL OIL COMPANY, Houston, Tex.
Filed March 31, 1924. Serial No. 194,703. PUBLISHED FEBRUARY 10, 1925.

197,947. SILK GOODS IN THE PIECE. I. SACKS & SONS, New York, N. Y.
Filed March 18, 1924. Serial No. 194,025. PUBLISHED FEBRUARY 10, 1925.

197,948. LEATHER BOOTS AND SHOES. THE INDEX SHOE COMPANY, Claremont, N. H.
Filed August 23, 1924. Serial No. 201,810. PUBLISHED FEBRUARY 3, 1925.

197,949. COMBS, HAIRPINS, HAIR BUCKLES, AND HAIR CLASPS, ALL OTHER THAN PRECIOUS-METAL WARE. NEW-YORK HAMBURGER GUMMI-WAAREN COMPAGNIE, Hamburg, Germany.
Filed August 5, 1924. Serial No. 201,006. PUBLISHED FEBRUARY 10, 1925.

197,950. ICE-CREAM SUNDAES. DAVID E. KADISON, New York, N. Y.
Filed August 2, 1924. Serial No. 200,886. PUBLISHED FEBRUARY 3, 1925.

197,951. PASTES AND POWDERS FOR BEAUTIFYING AND PRESERVING THE TEETH, SKIN, AND HAIR, AND PERFUMERY. E. DALTROFF & CIE, doing business as Parfumerie Caron, Paris, France.
Filed July 14, 1924. Serial No. 199,976. PUBLISHED FEBRUARY 10, 1925.

197,952. CANNED PEAS AND CORN. KEENE-BELVIDERE CANNING COMPANY, Belvidere, Ill.
Filed June 30, 1924. Serial No. 199,859. PUBLISHED FEBRUARY 10, 1925.

197,953. SOLVENTS IN SOLVENT MIXTURES. U. S. INDUSTRIAL CHEMICAL CO., Baltimore, Md.
Filed June 11, 1924. Serial No. 198,435. PUBLISHED FEBRUARY 10, 1925.

197,954. FELTS. I. G. MANN COMPANY, INC., New York, N. Y.
Filed June 6, 1924. Serial No. 198,192. PUBLISHED JANUARY 27, 1925.

197,955. HAIR RECEIVERS, PUFF BOXES, TRAYS, JEWEL CASES, BUD VASES, BOTTLE HOLDERS, TOOTHBRUSH HOLDERS, SOAP BOXES, AND SALVE JARS. STANDARD PYROXOLOID CORPORATION, Leominster, Mass.
Filed May 23, 1924. Serial No. 197,503. PUBLISHED FEBRUARY 10, 1925.

197,956. WRITING PAPER. COMER PRINTING CO., St. Joseph, Mo.
Filed May 16, 1924. Serial No. 197,135. PUBLISHED FEBRUARY 10, 1925.

197,957. EMBROIDERY MEDALLIONS. ARTHUR L. BERGMAN, New York, N. Y.
Filed May 6, 1924. Serial No. 196,646. PUBLISHED FEBRUARY 10, 1925.

197,958. CERTAIN NAMED FOODS. PACIFIC WHOLESALE GROCERY CO., Los Angeles, Calif.
Filed April 25, 1924. Serial No. 196,134. PUBLISHED JULY 22, 1924.

197,959. CURED, SLICED, AND BONELESS BACON IN CARTONS, CURED HAMS, AND CURED BEEF TONGUES. VAN WAGENEN AND SCHICKHAUS COMPANY, Newark, N. J.
Filed March 15, 1924. Serial No. 193,868. PUBLISHED FEBRUARY 10, 1925.

197,960. SARDINES, SPRATS, SPANISH BRISTLING, ANCHOVIES, MOLLUSKS, AND SHELL FISH PRESERVED IN OIL, IN TOMATO, PICKLED, SALTED, SMOKED, OR UNSMOKED. MASSO HERMANOS, Vigo, Spain.
Filed February 7, 1924. Serial No. 191,962. PUBLISHED FEBRUARY 10, 1925.

197,961. PILLOWS AND MATTRESSES. THE COLD BLAST FEATHER COMPANY, Philadelphia, Pa.
Filed September 15, 1923. Serial No. 185,814. PUBLISHED FEBRUARY 10, 1925.

197,962. TRANSPARENT COVERED CARDS, PRINTED SIGNS, AND PICTURES, ALL IN THE NATURE OF DISPLAY ADVERTISING SOLD TO THE TRADE AS SUCH. BEWTEX PRODUCTS CORPORATION, New York, N. Y.
Filed June 9, 1923. Serial No. 181,721. PUBLISHED FEBRUARY 10, 1925.

197,963. CORRUGATED BOXES, TUBES, AND CARTONS. COLUMBIA CORRUGATED COMPANY, New York, N. Y.
Filed May 2, 1923. Serial No. 180,047. PUBLISHED FEBRUARY 10, 1925.

197,964. FUEL OILS AND LUBRICATING OILS AND GREASES. EVANSVILLE OIL & GREASE COMPANY, Evansville, Ind.
Filed March 22, 1923. Serial No. 177,902. PUBLISHED MAY 29, 1923.

197,965. CANNED CONCENTRATED TOMATO PASTE, CANNED CONCENTRATED TOMATO SAUCE, CANNED PEELED FRESH TOMATOES, CANNED FRESH PEAS, CANNED FRESH BEANS, AND CANNED PEPPERS. PAOLO BARATTA, doing business as Paolo Baratta & Figli, Battipaglia, Italy.
Filed December 23, 1922. Serial No. 173,781. PUBLISHED FEBRUARY 10, 1925.

197,966. FROCKS, GOWNS, AND DRESSES FOR DANCE, EVENING, WEDDING, GRADUATION, AND PARTY OCCASIONS. FRANK SCHNEIDER, doing business as B. Schneider and Son, New York, N. Y.
Filed September 2, 1922. Serial No. 169,034. PUBLISHED JULY 22, 1924.

197,967. FRESH CANTALOUPES AND GRAPES. ALAMO PACKING COMPANY, Los Angeles, Calif.
Filed September 18, 1920. Serial No. 137,299. PUBLISHED FEBRUARY 10, 1925.

197,968. BRICKS, TILES, AND BLOCKS. WESTMORELAND BRICK COMPANY, Pittsburgh, Pa.
Filed December 4, 1924. Serial No. 206,264. PUBLISHED FEBRUARY 17, 1925.

197,969. WINDSHIELDS. FISHER BODY CORPORATION, Detroit, Mich.
Filed December 4, 1924. Serial No. 206,234. PUBLISHED FEBRUARY 17, 1925.

197,970. VEHICLE STEERING WHEELS AND REPLACEMENT RIMS THEREFOR. H. M. LA PIERRE & COMPANY, a Common Law Trust, Chicago, Ill.
Filed December 1, 1924. Serial No. 206,075. PUBLISHED FEBRUARY 10, 1925.

197,971. DOLLS FOR CHILDREN. JOHN J. OSBORNE, New York, N. Y.
Filed November 28, 1924. Serial No. 205,944. PUBLISHED FEBRUARY 10, 1925.

197,972. FRESH CITROUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, TANGERINES; VEGETABLES—NAMELY, TOMATOES. GENTILE BROS. COMPANY, Orlando, Fla.
Filed November 28, 1924. Serial No. 205,919. PUBLISHED FEBRUARY 10, 1925.

197,973. COTTAGE CHEESE. DAIRY MARKETING ASSOCIATION OF FORT WAYNE, Fort Wayne, Ind.
Filed November 28, 1924. Serial No. 205,911. PUBLISHED FEBRUARY 10, 1925.

197,974. CAPS FOR MILK BOTTLES. THE PURITY MILK CAP CO., Westfield, Mass.
Filed November 26, 1924. Serial No. 205,889. PUBLISHED FEBRUARY 10, 1925.

197,975. READY-MIXED PAINTS, PAINT ENAMEL, AND VARNISH. J. S. MCKENZIE COMPANY INC., New York, N. Y.
Filed November 26, 1924. Serial No. 205,885. PUBLISHED FEBRUARY 10, 1925.

197,976. SPONGES. A. L. NEEVES AND COMPANY, Brockton, Mass.
Filed November 21, 1924. Serial No. 205,651. PUBLISHED FEBRUARY 10, 1925.

197,977. COAL. HOOPER-MANKIN FUEL COMPANY, Huntington, W. Va.; Battle Creek, Mich.; and Richmond, Va.
Filed November 20, 1924. Serial No. 205,600. PUBLISHED FEBRUARY 10, 1925.

197,978. COFFEE, TEA, SPICES, FOOD-FLAVORING EXTRACTS, AND COCOA. PAGE COFFEE COMPANY, St. Joseph, Mo.
Filed November 19, 1924. Serial No. 205,546. PUBLISHED FEBRUARY 17, 1925.

197,979. LIQUID POLISH, A PREPARATION FOR USE IN POLISHING AUTOMOBILE BODIES, FURNITURE, AND OTHER ARTICLES REQUIRING A POLISHED SURFACE. JACOB ABRAMOWITZ, doing business as Sparkol Chemical Company, Brooklyn, N. Y.
Filed November 19, 1924. Serial No. 205,504. PUBLISHED FEBRUARY 10, 1925.

197,980. COTTON PIECE GOODS. THE LOWE MFG. CO., Huntsville, Ala.
Filed November 15, 1924. Serial No. 205,288. PUBLISHED FEBRUARY 10, 1925.

197,981. HOSIERY. HOLEPROOF HOSIERY CO., Milwaukee, Wis.
Filed November 15, 1924. Serial No. 205,385. PUBLISHED FEBRUARY 3, 1925.

197,982. UPHOLSTERY AND BEDDING STUFFING AND FILLING MATERIALS—NAMELY, BATTS, BURLAP, EXCELSIOR, FIBER, HAIR, HUSKS, KAPOK, LINTERS, MOSS, PACKING PADS, RATTAN, SEA GRASS, SHODDIES, TOW, TUFTS, WOOD WOOL, GARNETTED COTTON (COTTON SHODDIES), AND COTTON MATTRESS FELTS. BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass.
Filed November 15, 1924. Serial No. 205,312. PUBLISHED FEBRUARY 17, 1925.

197,983. UPHOLSTERY AND BEDDING STUFFING AND FILLING MATERIALS—NAMELY, BATTS, BURLAP, EXCELSIOR, FIBER, HAIR, HUSKS, KAPOK, LINTERS, MOSS, PACKING PADS, RATTAN, SEA GRASS, SHODDIES, TOW, TUFTS, WOOD WOOL, GARNETTED COTTON (COTTON SHODDIES), COTTON AND MATTRESS FELTS. BOSTON EXCELSIOR COMPANY, New York, N. Y., and Boston, Mass.
Filed November 15, 1924. Serial No. 205,310. PUBLISHED FEBRUARY 10, 1925.

197,984. ADVERTISING SIGNBOARDS. ALLIANCE ADVERTISING COMPANY, Alliance, Ohio.
Filed November 13, 1924. Serial No. 205,189. PUBLISHED FEBRUARY 10, 1925.

197,985. SHOCK ABSORBERS. BURPEE-JOHNSON CORPORATION, Indianapolis, Ind.
Filed November 12, 1924. Serial No. 205,148. PUBLISHED FEBRUARY 17, 1925.

197,986. IMITATION MAPLE EXTRACT FOR FOOD-FLAVORING PURPOSES. JOSEPH MIDDLEBY, JR., INC., Boston, Mass.
Filed November 6, 1924. Serial No. 204,924. PUBLISHED FEBRUARY 10, 1925.

197,987. PREPARATIONS FOR CLOSING TIRE PUNCTURES. OGDEN LABORATORIES, Ogden, Utah.
Filed August 29, 1924. Serial No. 202,030. PUBLISHED FEBRUARY 10, 1925.

197,988. TRADE JOURNAL PUBLISHED MONTHLY. PRACTICAL PUBLICATIONS, INC., Indianapolis, Ind.
Filed November 24, 1924. Serial No. 205,778. PUBLISHED FEBRUARY 10, 1925.

197,989. RECEPTACLES FOR HOLDING POWDER. NATIONAL TRADING COMPANY, Chicago, Ill.
Filed November 19, 1924. Serial No. 205,543. PUBLISHED FEBRUARY 10, 1925.

197,990. COAL. WILLIAM A. JEPSON CORPORATION, Boston, Mass.
Filed November 18, 1924. Serial No. 205,482. PUBLISHED FEBRUARY 3, 1925.

197,991. SOAP AND SOAP CHIPS. THE PIONEER PRODUCTS COMPANY, Dayton, Ohio.
Filed November 17, 1924. Serial No. 205,441. PUBLISHED FEBRUARY 10, 1925.

197,992. COAL. MITCHELL & DILLON COAL COMPANY, Chicago, Ill.
Filed November 17, 1924. Serial No. 205,428. PUBLISHED JANUARY 27, 1925.

197,993. WEEKLY PUBLICATION. THE BILLBOARD PUBLISHING COMPANY, Cincinnati, Ohio.
Filed November 14, 1924. Serial No. 205,261. PUBLISHED FEBRUARY 10, 1925.

197,994. COMBS, HAIRPINS, HAIR BUCKLES, AND HAIR CLASPS, ALL OTHER THAN PRECIOUS-METAL WARE. NEW-YORK HAMBURGER GUMMI-WAAREN COMPAGNIE, Hamburg, Germany.
Filed November 11, 1924. Serial No. 205,128. PUBLISHED FEBRUARY 10, 1925.

197,995. OIL BURNERS, OIL-BURNING SETS, AND OIL AND GAS RANGES. W. S. RAY MANUFACTURING CO., San Francisco, Calif.
Filed November 10, 1924. Serial No. 205,089. PUBLISHED FEBRUARY 3, 1925.

197,996. TEA AND COFFEE. R. H. MACY & CO., INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,073. PUBLISHED FEBRUARY 10, 1925.

197,997. COAL. PIONEER COAL & COKE COMPANY, St. Louis, Mo.
Filed November 5, 1924. Serial No. 204,847. PUBLISHED JANUARY 27, 1925.

197,998. RAILWAY-CAR PARTS—NAMELY, ROLLERS FOR SIDE BEARINGS FOR CARS; AND FOR AUTOMOBILE PARTS, AND PARTICULARLY AUTOMOBILE AXLES, AUTOMOBILE DOUBLE ARMS, AUTOMOBILE SINGLE ARMS, AUTOMOBILE YOKES, AUTOMOBILE HUBS, AND AUTOMOBILE KNUCKLES. CANTON FORGE & AXLE COMPANY, Canton, Ohio.
Filed November 3, 1924. Serial No. 204,754. PUBLISHED FEBRUARY 3, 1925.

197,999. PERFUME. WILLIAM B. COHEN, doing business as Belco Chem. Co., St. Paul, Minn.
Filed October 30, 1924. Serial No. 204,586. PUBLISHED FEBRUARY 10, 1925.

198,000. FRESH CITROUS FRUITS. EDGAR W. WIGGINS, Plant City, Fla.
Filed November 1, 1924. Serial No. 204,740. PUBLISHED FEBRUARY 10, 1925.

198,001. CANNED JELLIES AND MARMALADES. B. & W. HOME PRODUCTS CO., New Rochelle, N. Y.
Filed October 29, 1924. Serial No. 204,540. PUBLISHED FEBRUARY 10, 1925.

198,002. METAL CANS. CONTINENTAL CAN COMPANY, INC., New York, N. Y.
Filed October 25, 1924. Serial No. 204,397. PUBLISHED FEBRUARY 10, 1925.

198,003. MONTHLY MAGAZINE. STEPHEN O'LEARY, Buffalo, N. Y.
Filed October 20, 1924. Serial No. 204,188. PUBLISHED FEBRUARY 10, 1925.

198,004. LADIES' DRESSES, COATS, CLOAKS, AND SUITS. GRAYCE DE VINE MODES, INC., New York, N. Y.
Filed October 15, 1924. Serial No. 203,879. PUBLISHED JANUARY 27, 1925.

198,005. TIRE JACKS. GORDON TUCKER, Minneapolis, Minn.
Filed October 14, 1924. Serial No. 203,868. PUBLISHED DECEMBER 23, 1924.

198,006. MEN'S SUITS, COATS, TROUSERS, AND OVERCOATS AND WOMEN'S COATS, SUITS, OUTER SKIRTS, AND KNICKERS. JAS. L. NEMECEK, doing business as Nemecek Brothers, Chicago, Ill.
Filed September 22, 1924. Serial No. 202,883. PUBLISHED FEBRUARY 3, 1925.

198,007. TAXICABS. PREMIER MOTORS, INCORPORATED, Indianapolis, Ind.
Filed December 5, 1924. Serial No. 206,325. PUBLISHED FEBRUARY 10, 1925.

198,008. COTTON PIECE GOODS—VIZ, COTTON DUCK. HUNTER MANUFACTURING & COMMISSION COMPANY, New York, N. Y.
Filed December 18, 1924. Serial No. 206,899. PUBLISHED FEBRUARY 10, 1925.

198,009. CLOTHS AND STUFFS OF WOOL, WORSTED, OR HAIR. JOSEPH HOYLE & SON, LIMITED, Longwood, near Huddersfield, England.
Filed December 18, 1924. Serial No. 206,896. PUBLISHED FEBRUARY 10, 1925.

198,010. TOOTHBRUSHES. NEWMAN DRUG COMPANY, Louisville, Ky.
Filed December 17, 1924. Serial No. 206,855. PUBLISHED FEBRUARY 17, 1925.

198,011. STEP PLATES FOR AUTOMOBILES. DUNHAMETER CORPORATION, Chicago, Ill.
Filed December 17, 1924. Serial No. 206,830. PUBLISHED FEBRUARY 17, 1925.

198,012. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed December 17, 1924. Serial No. 206,822. PUBLISHED FEBRUARY 10, 1925.

198,013. PREPARED FOODS FOR INFANTS AND INVALIDS. SOCIÉTÉ L'ALIMENT ESSENTIEL, Nanterre, France.
Filed December 16, 1924. Serial No. 206,809. PUBLISHED FEBRUARY 10, 1925.

198,014. OVERALLS, AND MORE PARTICULARLY THOSE MADE OF TEXTILE FABRICS. THE GLOBE OVERALL CO., Cincinnati, Ohio.
Filed December 16, 1924. Serial No. 206,778. PUBLISHED FEBRUARY 3, 1925.

198,015. LIQUID ASPHALT, PITCH, COAL TAR, AND CRUSHED GYPSUM ROCK. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed December 16, 1924. Serial No. 206,768. PUBLISHED FEBRUARY 10, 1925.

198,016. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed December 15, 1924. Serial No. 206,718. PUBLISHED FEBRUARY 10, 1925.

198,017. LUBRICATING OILS AND GREASES. JOHN A. SCHLOSSEL, doing business as Oil Service Co., New York, N. Y.
Filed December 13, 1924. Serial No. 206,690. PUBLISHED FEBRUARY 10, 1925.

198,018. TEXTILE FABRICS—NAMELY, SILK, ARTIFICIAL SILK, WOOL, AND COTTON AND COMBINATIONS THEREOF. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed December 13, 1924. Serial No. 206,680. PUBLISHED FEBRUARY 10, 1925.

198,019. AUTOMOBILE TRUCKS. SIDNEY E. GREEN, doing business as Owners Protective Association, Oklahoma City, Okla.
Filed December 13, 1924. Serial No. 206,666. PUBLISHED FEBRUARY 10, 1925.

198,020. WAFFLE FLOUR. WALTER F. COOK, East Cambridge, Mass.
Filed December 13, 1924. Serial No. 206,658. PUBLISHED FEBRUARY 10, 1925.

198,021. RESILIENT VEHICLE TIRES COMPOSED IN WHOLE OR IN PART OF RUBBER. KELLY-SPRINGFIELD TIRE COMPANY, New York, N. Y.
Filed December 11, 1924. Serial No. 206,579. PUBLISHED FEBRUARY 10, 1925.

198,022. STOCK FEED. J. S. GORDON, doing business as J. S. Gordon & Co., Beaumont, Tex.
Filed December 11, 1924. Serial No. 206,572. PUBLISHED FEBRUARY 10, 1925.

198,023. TEA AND COFFEE. FEDERAL TEA COMPANY, INC., Baltimore, Md.
Filed December 11, 1924. Serial No. 206,567. PUBLISHED FEBRUARY 17, 1925.

198,024. GRANITE. THE DODDS GRANITE COMPANY, Xenia, Ohio; Milford, Mass.; Stony Creek, Conn.; Keene, N. H.
Filed December 11, 1924. Serial No. 206,562. PUBLISHED FEBRUARY 10, 1925.

198,025. PLASTER BOARD. UNITED STATES GYPSUM COMPANY, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,549. PUBLISHED FEBRUARY 10, 1925.

198,026. PARTITIONS, DOORS, WOOD MOLDING, AND WOOD TRIM. IMPROVED OFFICE PARTITION COMPANY, Elmhurst, N. Y.
Filed December 10, 1924. Serial No. 206,527. PUBLISHED FEBRUARY 10, 1925.

198,027. COAL. O. A. RITTER COAL COMPANY, Milwaukee, Wis.
Filed November 17, 1924. Serial No. 205,443. PUBLISHED JANUARY 27, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

198,028. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) W. L. M. CLARK, INC., St. Louis, Mo. Filed Jan. 19, 1924. Serial No. 191,007.

Silky-lyle

Particular description of goods.—Narrow Braid and Narrow Elastic Webbing.
Claims use since Dec. 1, 1923.

198,029. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUCK & RAYNER, Chicago, Ill. Filed Feb. 16, 1924. Serial No. 192,363.

Mrs. Steven's
Home Made Candy
You Know It's Just A

Particular description of goods.—Candy.
Claims use since September, 1921.

198,030. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BERGHOFF PRODUCTS COMPANY, Fort Wayne, Ind. Filed Feb. 23, 1924. Serial No. 193,662.

CHERRY-TANG

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage.
Claims use since July 20, 1920.

198,031. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BERGHOFF PRODUCTS COMPANY, Fort Wayne, Ind. Filed Feb. 29, 1924. Serial No. 193,022.

GRAPE-TANG

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage.
Claims use since Dec. 10, 1919.

198,032. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BERGHOFF PRODUCTS COMPANY, Fort Wayne, Ind. Filed Feb. 29, 1924. Serial No. 193,023.

LEMON-TANG

Particular description of goods.—Nonalcoholic, Maltless, Noncereal Beverage.
Claims use since July 24, 1920.

198,033. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BONNIE-B CO., INC., New York, N. Y. Filed Mar. 12, 1924. Serial No. 193,657.

Full Fashioned

Particular description of goods.—Hair Nets.
Claims use since Jan. 1, 1924.

198,034. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REALSHINE COMPANY, INCORPORATED, Galveston, Tex. Filed June 2, 1924. Serial No. 197,958.

Realshine

Particular description of goods.—Liquid Dressing for Shoes, Leathers, Fabrics, Duck, and Cloth.
Claims use since Mar. 10, 1924.

198,035. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILL MANUFACTURING COMPANY, Boston, Mass. Filed June 4, 1924. Serial No. 198,067.

ALLWEAR

Particular description of goods.—Cotton Piece Goods.
Claims use since Mar. 21, 1924.

198,036. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. R. VAN BUSKIRK, doing business as Sun Flame Fruit Farms, Lodi, Calif. Filed June 26, 1924. Serial No. 199,199.

C·R·VAN BUSKIRK

Particular description of goods.—Fresh Grapes, Fresh Cherries.
Claims use since Sept. 15, 1919.

198,037. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PIONEER MANUFACTURING COMPANY, Cleveland, Ohio. Filed July 5, 1924. Serial No. 199,646.

MITTEN DUSTER

Particular description of goods.—Chemically-Treated Dusters.
Claims use since about August, 1911.

198,038. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE COLORADO TENT AND AWNING COMPANY, Denver, Colo. Filed July 10, 1924. Serial No. 199,822.

Quality

Particular description of goods.—Tents and Awnings, Wagon Covers; Stack, Hay, or Merchandise Covers; Piano Covers, Waterproof Automobile Covers, Cowboy Waterproof Bed Sheets or Tarpaulins, Flags, and Pennants.
Claims use since January, 1911.

198,039. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. W. C. BELL, Jr., Nashville, Ark. Filed Aug. 9, 1924. Serial No. 201,173.

Bell

Particular description of goods.—Fresh Peaches.
Claims use since July 10, 1921.

198,040. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUDSON & COMPANY, Holley, N. Y. Filed Sept. 2, 1924. Serial No. 202,117.

MATTITUCK

Particular description of goods.—Canned Vegetables.
Claims use since 1909.

198,041. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed Oct. 18, 1924. Serial No. 204,184.

PARFUMERIE CLAIRE

Particular description of goods.—Lotions and Toilet Creams.
Claims use since 1910.

198,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IVAN P. WHEATON, Long Beach, Calif. Filed Jan. 8, 1925. Serial No. 207,839.

Wheaton

Particular description of goods.—Candy, Nut Nougat, Mints, Candy Bars, Glacéd Fruit, and Soda-Fountain Mixtures of Nuts and Candy.
Claims use since July 14, 1921.

198,043. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LEAVITT MFG. CO., Urbana, Ill. Filed Feb. 12, 1925. Serial No. 209,481.

GILL

Particular description of goods.—Discus, Javelins, Hurdles, and Baseball Bats.
Claims use since June 1, 1923.

198,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MABEL BERWICK MASON, doing business as Edward Berwick, Jr., Monterey, Calif. Filed Feb. 14, 1925. Serial No. 209,581.

Edward Berwick Jr.

Particular description of goods.—Fresh Pears.
Claims use since about Jan. 1, 1909.

198,045. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SHIELDS ICE & COLD STORAGE CO., LIMITED, North Shields, England. Filed July 18, 1923. Serial No. 183,411.

Tyne Brand

Particular description of goods.—Canned Fish, Fish Pastes, and Meat Pastes.
Claims use since June 5, 1919.

198,046. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. HELLER & COMPANY, Chicago, Ill. Filed Feb. 16, 1925. Serial No. 209,658.



Particular description of goods.—Insecticide for Use in Killing, Repelling, and Preventing Moths and Preventing Damage by Moths.
Claims use since April, 1922.

198,047. (CLASS 15. OILS AND GREASES.) SKELLY OIL COMPANY, Tulsa, Okla. Filed Feb. 13, 1925. Serial No. 209,551.

SKELLY

Particular description of goods.—Natural and Motor Gasoline, Kerosene, Distillate, Gas Oil, Road Oil, Fuel Oil, Engine Oil, Industrial Lubricants, Lubricating Greases, Automobile Lubricants, Penetrating Oil.
Claims use since Dec. 31, 1923.

198,048. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ILLINOIS POWDER MFG., CO., St. Louis, Mo. Filed Feb. 13, 1925. Serial No. 209,534.

GOLD MEDAL

Particular description of goods.—Dynamite.
Claims use since March, 1908.

198,049. (CLASS 17. TOBACCO PRODUCTS.) CHARLES A. KILDOW, Bethesda, Ohio. Filed Feb. 9, 1925. Serial No. 209,298.

-Garcia-
Smokers

Particular description of goods.—Cigars.
Claims use since Aug. 1, 1920.

198,050. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HALEY-NESLEY COMPANY, Sioux City, Iowa. Filed Feb. 2, 1925. Serial No. 208,979.

Haley's
SELECTED

Particular description of goods.—Field Seeds.
Claims use since March, 1922.

198,051. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Jan. 24, 1925. Serial No. 208,592.

HOLDEN-LEONARD CO.

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about February, 1909.

198,052. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN GAS MACHINE COMPANY, INC., Albert Lea, Minn. Filed Jan. 12, 1925. Serial No. 207,950.

KITCHEN KOOK

Particular description of goods.—Household Oil and Gas Cookstoves.
Claims use since on or about Apr. 1, 1923.

198,053. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED J. KRANK, St. Paul, Minn. Filed Feb. 15, 1924. Serial No. 192,331.

KRANK'S

Particular description of goods.—Hair Tonic, Toilet Water, Antiseptic for Skin Irritations, Hair Tonic and Fixative, Hairdressing, Shampoo, Dandruff Preparation, Cuticle Oil, Brilliantine, Cuticle Remover, Face Lotion, Nail White, Vanishing Cream, Shaving Cream to be Used After Shaving, Hair Fixative, Toilet Cream, Preparation for Wind and Sun Burns, Astringent, Cold Cream, Remedy for Sore Feet, Preparation for Hay Fever and Colds; Salve for Burns, Aches, Wounds, Strains, and Sprains; Massage Cream, Cleansing Cream, Solidified Brilliantine, Skin Lotion, Face Powder, a Preparation Used as a Skin Treatment and Beautifier.
Claims use since October, 1908.

198,054. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CORDUROY TIRE COMPANY, Grand Rapids, Mich. Filed Feb. 18, 1925. Serial No. 209,771.

Sidewall Protection

Particular description of goods.—Pneumatic-Tire Casings.
Claims use since July 1, 1922.

198,055. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 18, 1925. Serial No. 209,775.

MIDLAND BLUE R

Particular description of goods.—Vat Dyes.
Claims use for not less than one year.

198,056. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 18, 1925. Serial No. 209,776.

MIDLAND VAT BLUE 5B

Particular description of goods.—Vat Dyes.
Claims use for not less than one year.

198,057. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) A. SULKA & COMPANY, New York, N. Y. Filed Mar. 16, 1925. Serial No. 211,186.

Sulka

Particular description of goods.—Cotton, Silk, and Wool Shirtings and Handkerchiefs.
Claims use for more than one year.

198,058. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Mar. 11, 1925. Serial No. 210,842.

Bagdad Prints

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since July, 1922.

198,059. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SERVICE LABORATORIES, INC., Chicago, Ill. Filed Feb. 27, 1925. Serial No. 210,254.

BODI-RUB

Particular description of goods.—Rubbing Alcohol.
Claims use since Dec. 2, 1921.

198,060. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MUDGE & COMPANY, Chicago, Ill. Filed Feb. 24, 1925. Serial No. 210,071.

"All Service"

Particular description of goods.—Railway Gasoline-Motor Cars.
Claims use since Feb. 6, 1923.

198,061. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 18, 1925. Serial No. 209,778.

MIDLAND VAT BLUE MB

Particular description of goods.—Vat Dyes.
Claims use for not less than one year.

198,062. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Feb. 18, 1925. Serial No. 209,777.

MIDLAND CADET BLUE

Particular description of goods.—Vat Dyes.
Claims use for not less than one year.

INTERNATIONAL TRADE-MARK REGISTRATIONS

The following International Registration has been received from the Bureau at Habana and has been placed upon the Register in accordance with the provisions of section 1 (a) of the act of March 19, 1920.

198,063. International Registration No. 1,048 of January 27, 1925. Registered in Cuba on April 5, 1917, No. 32,602. Proprietor: ORTEGA Y COMPAÑIA, S. EN C. Address: Ricla No. 7, Habana, Cuba.

EXTRA NORMA

Merchandise to which the mark is affixed.—Ladies' and Children's Shoes.

TRADE-MARK REGISTRATIONS RENEWED

26,262. CHIMNEY COWLS AND VENTILATOR CAPS FOR AIR SHAFTS AND LIKE DEVICES. Registered March 19, 1895. GLOBE VENTILATOR CO. Renewed March 19, 1925, to Globe Ventilator Company, Troy, N. Y., a Corporation of New York, assignee.

26,398. DRESS GOODS, CLOAKINGS, AND GOODS FOR MEN'S WEAR. Registered April 16, 1895. THE CRAVENETTE COMPANY, LIMITED, Bradford, England, a Corporation of Great Britain and Ireland. Renewed April 16, 1925.

26,741. HANDCARTS, TRUCKS, AND RUNNERS. Registered June 25, 1895. FRANK J. AUBEUF. Renewed June 25, 1925, to F. J. Aubeuf Co. Inc., Oneida, N. Y., a Corporation of New York, assignee.

44,813. MEASURING TAPES. Registered July 25, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed July 25, 1925.

44,814. MEASURING TAPES. Registered July 25, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed July 25, 1925.

44,900. MEASURING TAPES. Registered July 25, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed July 25, 1925.

45,147. COLOGNE WATER AND OTHER PERFUMERY. Registered August 8, 1905. F. HOYT & COMPANY, LIMITED. Renewed August 8, 1925, to F. Hoyt & Co., Philadelphia, Pa., successor.

45,373. ANTISEPTIC HEALING OIL. Registered August 15, 1905. PARIS MEDICINE CO., St. Louis, Mo., a Corporation of Delaware. Renewed August 15, 1925.

45,400. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. NEW YORK STANDARD WATCH CO., Jersey City, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,401. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,402. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,405. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,406. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,407. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 15, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 15, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,408. AUTOMATIC PIANO PLAYERS AND SELF-PLAYING PIANOS. Registered August 15, 1905. THE AUTOPIANO COMPANY, New York, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,409. SELF-PLAYING PIANOS AND PIANO PLAYERS. Registered August 15, 1905. THE AUTOPIANO COMPANY, New York, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,486. MACHINE KNIVES, BELT KNIVES, AND LEATHER KNIVES. Registered August 22, 1905. BAILEY & BLENDINGER MFG. CO., Woburn, Mass., a Corporation of Massachusetts. Renewed August 22, 1925.

45,516. LUBRICATING OILS. Registered August 22, 1905. UNION PETROLEUM CO., Philadelphia, Pa. Renewed August 22, 1925, to Sinclair Refining Company, New York, N. Y., a Corporation of Maine, assignee.

45,517. LUBRICATING OILS. Registered August 22, 1905. UNION PETROLEUM CO., Philadelphia, Pa. Renewed August 22, 1925, to Sinclair Refining Company, New York, N. Y., a Corporation of Maine, assignee.

45,558. CIGARS. Registered August 22, 1905. THEODORE H. HART & CO. Renewed August 22, 1925, to T. H. Hart & Co., Philadelphia, Pa., successors.

45,608. GRAPHITE, GRAPHITE PAINT, AND GRAPHITE ELECTRODES. Registered August 22, 1905. INTERNATIONAL ACHESON GRAPHITE COMPANY. Renewed August 22, 1925, to Acheson Graphite Company, Niagara Falls, N. Y., a Corporation of New Jersey, assignee.

45,720. MEASURING TAPES. Registered August 29, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed August 29, 1925.

45,721. MEASURING TAPES. Registered August 29, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed August 29, 1925.

45,785. BLOOD PURIFIERS AND REMEDIES FOR FEMALE COMPLAINTS AND LIVER PILLS. Registered August 29, 1905. LYDIA E. PINKHAM MEDICINE COMPANY, Lynn, Mass., a Corporation of Maine. Renewed August 29, 1925.

45,834. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 29, 1905. THE KEYSTONE WATCH CASE CO., Philadelphia, Pa. Renewed August 29, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,841. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 29, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 29, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,842. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered August 29, 1905. PHILADELPHIA WATCH CASE CO., Riverside, N. J. Renewed August 29, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

45,899. COTTON-GINNING MACHINERY. Registered August 29, 1905. ALEXANDER M. GIBBS. Renewed August 29, 1925, to Gibbs Machinery Company, Columbia, S. C., a Corporation of South Carolina, assignee.

46,011. SPARKLING WINE OR CHAMPAGNE. Registered September 5, 1905. URBANA WINE COMPANY. Renewed September 5, 1925, to Gold Seal Products Company, Inc., Urbana, N. Y., a Corporation of New York, assignee.

46,028. AXLE GREASE, CARRIAGE AND BUGGY GREASE, MACHINERY OIL, AND LUBRICATING OILS. Registered September 5, 1905, to GALENA AXLE GREASE CO. Renewed September 5, 1925, to Galena Manufacturing Company, Galena, Ill., a Corporation of Illinois, assignee.

46,136. PERIODICALS. Registered September 5, 1905. ORANGE JUDD COMPANY, New York, N. Y. Renewed September 5, 1925, to Phelps Publishing Company, Springfield Mass., a Corporation of Massachusetts, assignee.

46,176. PRESSED BRICK. Registered September 12, 1905. BRADFORD PRESSED BRICK CO. Renewed September 12, 1925, to Bradford Brick & Tile Company, Bradford, Pa., a Corporation of Pennsylvania, assignee.

46,262. CHOCOLATES AND CANDIES. Registered September 12, 1905. CYPRIEN GOUBERT. Renewed September 12, 1925, to Darrow and Rudden, New York, N. Y., successors.

46,278. CANDY. Registered September 12, 1905. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio, a Corporation of Ohio. Renewed September 12, 1925.

46,355. ARTIFICIAL OINTMENT. Registered September 12, 1905. PARIS MEDICINE CO., St. Louis Mo., a Corporation of Delaware. Renewed September 12, 1925.

46,394. CHILL TONICS. Registered September 19, 1905. PARIS MEDICINE CO., St. Louis, Mo., a Corporation of Delaware. Renewed September 19, 1925.

46,395. REMEDIES FOR COUGHS, COLDS, AND HEADACHES. Registered September 19, 1905. PARIS MEDICINE CO., St. Louis, Mo., a Corporation of Delaware. Renewed September 19, 1925.

46,419. MOLASSES. Registered September 19, 1905. BOSTON MOLASSES CO., Boston, Mass., a Corporation of New Jersey. Renewed September 19, 1925.

46,482. PIANOS. Registered September 19, 1905. THE CABLE COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed September 19, 1925.

46,488. GLASS BOARDS. Registered September 19, 1905. THE LUFKIN RULE CO., Saginaw, Mich., an Association of Michigan. Renewed September 19, 1925.

LABELS

REGISTERED APRIL 28, 1925.

28,621.—*Title:* SHERRY WINE SEASONING. For Sherry-Wine Seasoning. CALIFORNIA WINE GRAPE PRODUCTS, INC., Reno, Nev., and Calistoga, Calif. Published December 29, 1924.

28,622.—*Title:* GIMME MORE. For Candy. W. E. HUMPHREY CO. INC., Tacoma, Wash. Published February 15, 1925.

28,623.—*Title:* TRYABOX CHOCOLATES. For Candy. W. E. HUMPHREY CO. INC., Tacoma, Wash. Published February 15, 1925.

28,624.—*Title:* LIPTON'S TEA. For Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published January 1, 1925.

28,625.—*Title:* LIPTON'S TEA. For Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published January 1, 1925.

28,626.—*Title:* LIPTON'S TEA. For Tea. THOMAS J. LIPTON, INC., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Published January 1, 1925.

28,627.—*Title:* GRIP TUBE PATCH. For Rubber-Tube Patches. R. M. SUTTON, Dubois, Pa. Published February 25, 1925.

28,628.—*Title:* WHITE KING TUBE PATCH. For Rubber-Tube Patches. R. M. SUTTON, Dubois, Pa. Published February 25, 1925.

28,629.—*Title:* CROSS WORD PUZZLE COMPOSITION BOOK. For Composition Books. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published February 14, 1925.

28,630.—*Title:* CROSS WORD PUZZLE PENCIL TABLET. For Pencil Tablets. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published February 11, 1925.

28,631.—*Title:* CROSS WORD PUZZLE PAD. For Pads. WHITE & WYCKOFF MFG. CO., Holyoke, Mass. Published February 14, 1925.

PRINTS

REGISTERED APRIL 28, 1925.

7,915.—*Title:* GOOD (WINGFOOT) YEAR NO-DRAFT MATS FOR FORDS. For No-Draft Mats. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published December 27, 1924.

7,916.—*Title:* FOR SAFE WINTER DRIVING GOOD (WINGFOOT) YEAR BALLOONS. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published December 15, 1924.

7,917.—*Title:* GOOD—WINGFOOT—YEAR BALLOONS ETC. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published December 15, 1924.

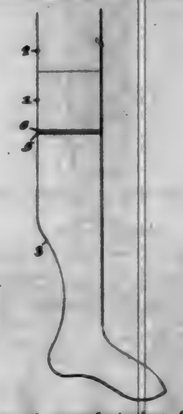
7,918.—*Title:* TRADE IN YOUR OLD TIRES—ON GOOD—WINGFOOT—YEAR BALLOONS. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published December 24, 1924.

7,919.—*Title:* WONDER. For Men's Clothing and Furnishing Goods. CHARLES B. WOODWARD, Grand Rapids, Mich. Published January 20, 1925.

REISSUES

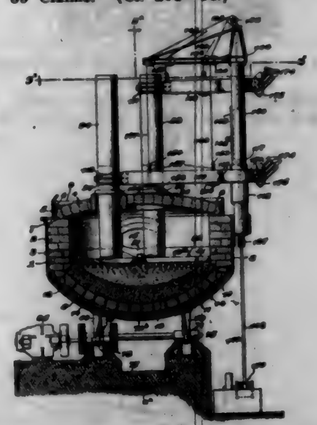
APRIL 28, 1925.

16,053. STOCKING AND PROCESS OF MAKING SAME. JOHN HADFIELD, Jr., Philadelphia, Pa. Filed May 26, 1923. Serial No. 641,729. Original No. 1,444,684, dated Feb. 6, 1923, Serial No. 368,460, filed Mar. 5, 1920. 9 Claims. (Cl. 66—4.)



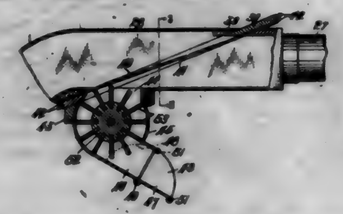
1. The method of manufacturing fashioned hosiery, which comprises forming an upper part of the leg as a circular knit web including a welt and with at least the lower section thereof open along a longitudinal line, and adding to said open lower section a fashioned flat knit web constituting a lower leg portion.

16,054. ELECTRIC FURNACE. WILLIAM E. MOORE, Beaver Falls, Pa., assignor to Pittsburgh Research Corporation, a Corporation of Delaware. Filed Sept. 13, 1921. Serial No. 500,481. Original No. 1,304,350, dated May 20, 1919, Serial No. 174,010, filed June 11, 1917. 59 Claims. (Cl. 204—64.)



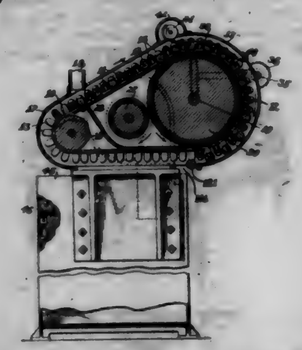
6. A metallurgical furnace comprising a retort having a bottom composed of a layer of granular refractory material normally of low electrical conductivity but which becomes a better electric conductor when heated, a layer of granular or amorphous refractory material of normally higher electrical conductivity than the first-mentioned layer and beneath the same, a metal outer casing, a layer of granular electrical conducting material forming a lining for said casing, an inverted arch of refractory brick interposed between the second-mentioned layer and said lining of the outer casing, and a plurality of metal strips in electrical contact with said casing and extending through the spaces between said brick, through the layer next above said brick and into the first-mentioned layer.

16,055. COTTON-PICKING MACHINE. EUGENE H. SCHOFIELD, deceased, by trustees of The Interstate Cotton Pickers, Toledo, Ohio, assignees. Filed Jan. 26, 1924. Serial No. 688,899. Original No. 1,130,847, dated Mar. 9, 1915, Serial No. 619,255, filed Apr. 6, 1911. 9 Claims. (Cl. 19—75.)



1. In a cotton picking machine, the combination with a separator chamber having an inlet, an air outlet, and a cotton discharge outlet, of means for creating a suction through the separator chamber, a screen comprising parallel wires disposed across the separator chamber impinging the cotton, the cotton sliding on the wires to the lower end of the screen, the ends of the wires terminating adjacent the cotton discharge outlet, and a rotatable bladed member disposed in the cotton discharge outlet, the blades being adapted to contact with the lower end of the screen and to wipe material lodged against the screen from the screen, and to discharge it through the discharge opening.

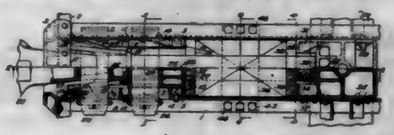
16,056. BOBBIN CLEANER. EDGAR ALLEN TERRELL, Charlotte, N. C., assignor to The Terrell Machine Company, Charlotte, N. C., a Corporation of North Carolina. Filed Mar. 14, 1925. Serial No. 15,656. Original No. 1,451,239, dated Apr. 10, 1923, Serial No. 431,756, filed Dec. 18, 1920. 14 Claims. (Cl. 28—19.)



1. In a bobbin-stripping machine, a delinting device having a curved surface of flexible teeth, means for driving the same, an endless carrier passing around said

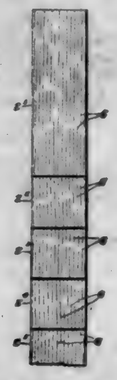
surface and having compartments for carrying the bobbins, a flexible pressure-device engaging a plurality of the bobbins as they pass around said curved surface to press them lightly against the teeth carried thereby, whereby the bobbins are caused to rotate and the waste yarn delinted therefrom, and means for continuously driving the carrier.

16,057. DRAFT RIGGING. IRA O. WRIGHT, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Feb. 7, 1925. Serial No. 7,688. Original No. 1,457,276, dated May 29, 1923, Serial No. 377,477, filed Apr. 29, 1920. 12 Claims. (Cl. 213—70.)



1. In a draft rigging, the combination with center sills, of a coupler, a yoke slidably connected thereto, a cushioning mechanism within the yoke, a block interposed between the coupler and said mechanism and movable in one direction with the said coupler, means for connecting said block to the said sills, said means serving to transmit draft strains thereto, and means carried by the said sills and projecting inwardly therefrom for receiving draft strains when the same exceed the capacity of the first named means.

16,058. FABRICATED WOOD SHAFT. HARRY IVORY JORDAN, Auburn, Me., assignor to Lamino Manufacturing Company, a Corporation of Massachusetts. Filed Jan. 25, 1924. Serial No. 688,625. Original No. 1,457,528, dated June 5, 1923, Serial No. 517,547, filed Nov. 25, 1921. 2 Claims. (Cl. 273—80.)



1. A shaft for golf clubs substantially the entire body of which is made up of a plurality of relatively thin layers of wood veneer cemented and compressed together with the grain of the wood in all the layers extending generally longitudinally of the shaft.

DESIGNS

APRIL 28, 1925.

67,115. METAL BORDER STRIP FOR ARTICLES OF HOLLOW SILVERWARE. COLIN DOUGLAS BARRETT, Providence, R. I., assignor to Farber Brothers, a Copartnership consisting of Louis Farber and Harry Farber, New York, N. Y. Filed Dec. 2, 1924. Serial No. 11,558. Term of patent 3½ years.



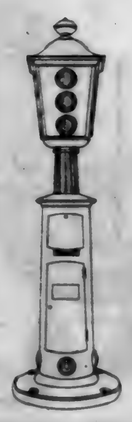
The ornamental design for a metal border strip for articles of hollow silverware, as shown.

67,116. PHONOGRAPH CABINET. ROBERT Y. BARROWS, deceased, late of Rutherford, N. J., by Grace A. Barrows, administratrix, Rutherford, N. J. Filed Dec. 26, 1923. Serial No. 8,152. Term of patent 14 years.



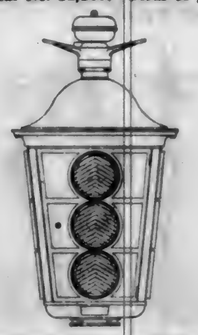
The ornamental design for a phonograph cabinet as shown.

67,117. VEHICLE TRAFFIC SIGNAL HOUSING. REUBEN E. BECHTOLD, Fort Wayne, Ind., assignor to The Signaphore Company, a Corporation of Indiana. Filed Jan. 28, 1925. Serial No. 12,168. Term of patent 14 years.



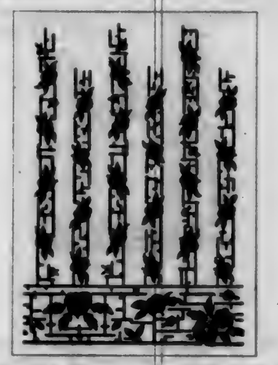
The ornamental design for a vehicle traffic signal housing as shown.

67,118. CASING FOR A SIGNAL LAMP. REUBEN E. BECHTOLD, Fort Wayne, Ind., assignor to The Signaphore Company, a Corporation of Indiana. Filed Jan. 28, 1925. Serial No. 12,169. Term of patent 14 years.



The ornamental design for a casing for a signal lamp as shown.

67,119. COTTON FABRIC. SAMSON F. BLOCH, New York, N. Y., assignor to M. H. Oppenheimer & Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 15, 1925. Serial No. 12,058. Term of patent 14 years.



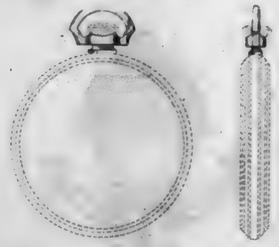
The ornamental design for cotton fabric, as shown.

67,120. DOLL. MINNIE E. CASE, Pratt, Kans. Filed Jan. 23, 1925. Serial No. 12,118. Term of patent 3½ years.



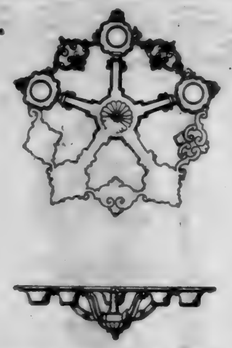
The ornamental design for a doll, as shown.

67,121. WATCHCASE APPENDAGE. ARTHUR P. CONANT, Fort Thomas, Ky., assignor to The Wadsworth Watch Case Company, Dayton, Ky., a Corporation of Kentucky. Filed Nov. 21, 1924. Serial No. 11,435. Term of patent 14 years.



The ornamental design for a watchcase appendage, substantially as shown.

67,122. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,215. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

67,123. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,216. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures as shown.

67,124. WALL PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,217. Term of patent 7 years.



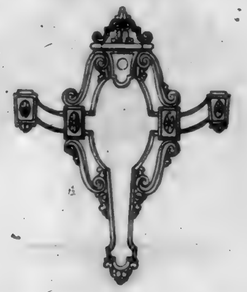
The ornamental design for a wall plate for lighting fixtures, as shown.

67,125. LIGHTING-FIXTURE BRACKET BACK. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,218. Term of patent 7 years.



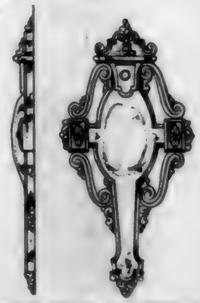
The ornamental design for a lighting fixture bracket back, as shown.

67,126. WALL PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,219. Term of patent 7 years.



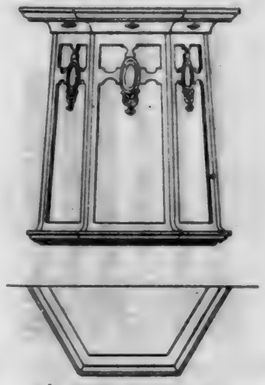
The ornamental design for a wall plate for lighting fixtures, as shown.

67,127. LIGHTING-FIXTURE BRACKET BACK. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,220. Term of patent 7 years.



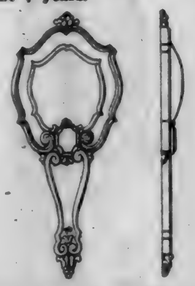
The ornamental design for a lighting fixture bracket back, as shown.

67,128. CEILING LIGHT FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,221. Term of patent 7 years.



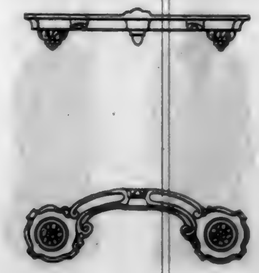
The ornamental design for a ceiling light for lighting fixtures as shown.

67,129. BRACKET BACK FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,223. Term of patent 7 years.



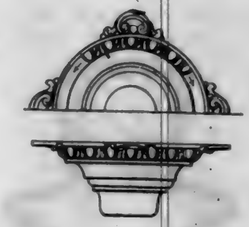
The ornamental design for a bracket back for lighting fixtures as shown.

67,130. ARM FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,224. Term of patent 7 years.



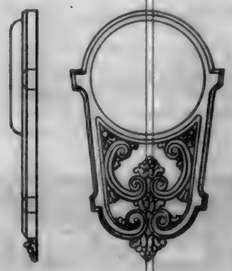
The ornamental design for an arm for lighting fixtures, as shown.

67,131. CEILING LIGHT FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,225. Term of patent 7 years.



The ornamental design for a ceiling light for lighting fixtures, as shown.

67,132. BRACKET BACK FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,226. Term of patent 7 years.



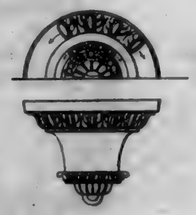
The ornamental design for a bracket back for lighting fixtures as shown.

67,133. CANOPY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,227. Term of patent 7 years.



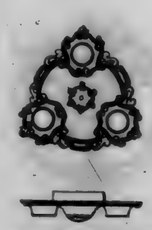
The ornamental design for a canopy for lighting fixtures, as shown.

67,134. CANOPY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,228. Term of patent 7 years.



The ornamental design for a canopy for lighting fixtures as shown.

67,135. CEILING LIGHT FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,230. Term of patent 7 years.



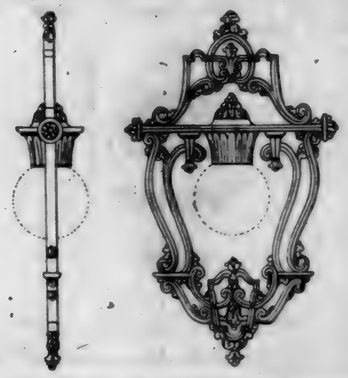
The ornamental design for a ceiling light for light ing fixtures, as shown.

67,136. BRACKET BACK FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,232. Term of patent 7 years.



The ornamental design for a bracket back for lighting fixtures, as shown.

67,137. FRAME FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,233. Term of patent 7 years.



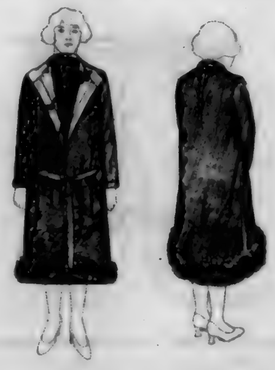
The ornamental design for a frame for lighting fixtures, as shown.

67,138. BODY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,234. Term of patent 7 years.



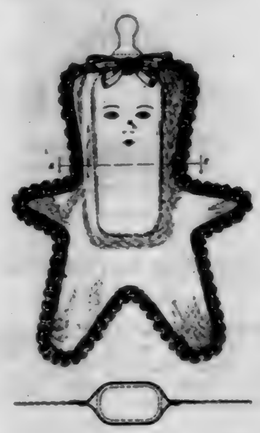
The ornamental design for a body for lighting fixtures, as shown.

67,139. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 19, 1925. Serial No. 12,420. Term of patent 3½ years.



The ornamental design for a coat, substantially as shown.

67,140. NURSING-BOTTLE COVER. JEAN G. DUPONT, Chicago, Ill. Filed Jan. 26, 1925. Serial No. 12,142. Term of patent 7 years.



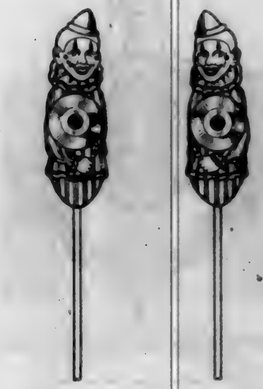
The ornamental design for a nursing bottle cover, as shown.

67,141. BURIAL CASKET. JOSEPH FALCK, Chicago, Ill., assignor to F. H. Hill Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 1, 1924. Serial No. 8,793. Term of patent 14 years.



The ornamental design for a burial casket, as shown.

67,142. CANDY. JOHN A. GUSLEY, Minneapolis, Minn. Filed Feb. 27, 1925. Serial No. 12,502. Term of patent 3½ years.



The ornamental design for a candy, as shown.

67,143. BUTTON. WILLIAM W. HOBB, New York, N. Y. Filed Dec. 3, 1924. Serial No. 11,574. Term of patent 3½ years.

The ornamental design for a button, as shown.

67,144. LAMP GLOBE. JAMES VINCENT HUGHES, New Florence, Pa. Filed Nov. 12, 1924. Serial No. 11,856. Term of patent 7 years.



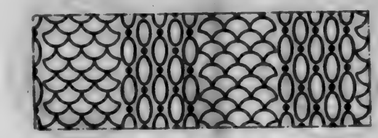
The ornamental design for a lamp globe, as shown.

67,145. KNITTED FABRIC. CLAUDE C. HYDE, Ottisville, N. Y. Filed May 12, 1922. Serial No. 2,204. Term of patent 3½ years.



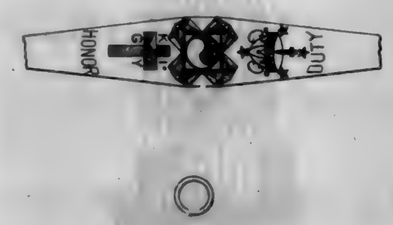
The ornamental design for knitted fabric, as shown.

67,146. PRINTED CLOTH. ALEXANDER KAGAN, New York, N. Y., assignor, by mesne assignments, to Weiner Brothers, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 6, 1925. Serial No. 12,285. Term of patent 3½ years.



The ornamental design for printed cloth, as shown.

67,147. FINGER RING. CLIFTON N. KEITH, Springfield, Ohio. Filed Aug. 8, 1923. Serial No. 6,931. Term of patent 3½ years.



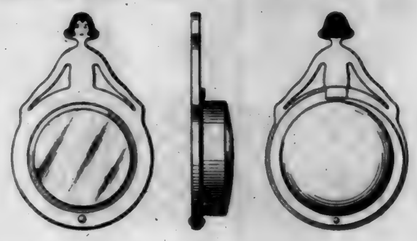
The ornamental design for a finger ring as shown.

67,148. VANITY CASE OR SIMILAR ARTICLE OF MANUFACTURE. WILLIAM G. KENDALL, Newark, N. J., assignor to Henri Rigaud, Paris, France. Filed Nov. 18, 1924. Serial No. 11,402. Term of patent 14 years.



The ornamental design for a vanity case or similar article of manufacture substantially as shown.

67,149. VANITY CASE. WALTER MORRIS LANGSDORF, New York, N. Y., assignor to S. Langsdorf & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 3, 1925. Serial No. 12,249. Term of patent 3½ years.



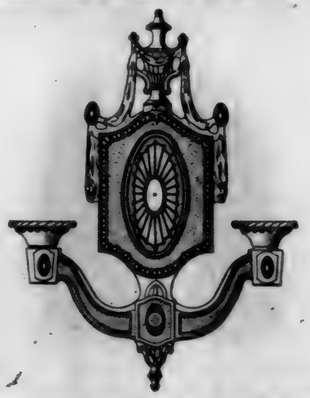
The ornamental design for a vanity case, as shown.

67,150. FLORAL-BOUQUET HOLDER. GEORGE A. LLEWELLYN, New York, N. Y. Filed Jan. 28, 1925. Serial No. 12,166. Term of patent 3½ years.



The ornamental design for a floral bouquet holder, as shown.

67,151. ELECTRIC-LIGHTING FIXTURE. JULIUS C. LOWRY, Detroit, Mich. Filed Feb. 12, 1925. Serial No. 12,357. Term of patent 14 years.



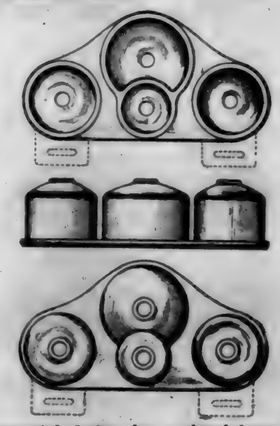
The ornamental design for an electric lighting fixture as shown.

67,152. FINGER RING. JACK MARTIN, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed Jan. 27, 1925. Serial No. 12,159. Term of patent 3½ years.



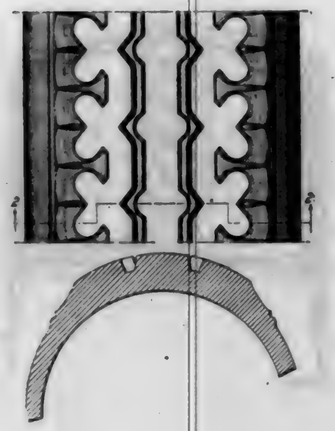
The ornamental design for a finger ring as shown.

67,153. SIGNAL-LAMP CASING. CARL A. MEILICKE, Chicago, Ill. Filed Mar. 20, 1922. Serial No. 1,268. Term of patent 14 years.



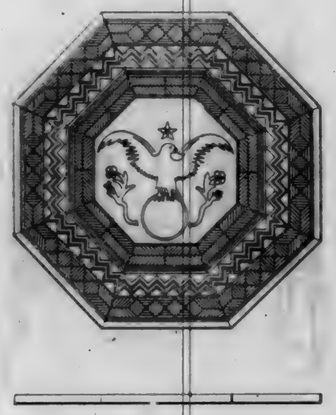
The ornamental design for a signal lamp casing, as shown.

67,154. TIRE TREAD. STEPHEN S. MILLER, Akron, Ohio, assignor to The Mohawk Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 9, 1924. Serial No. 9,829. Term of patent 14 years.



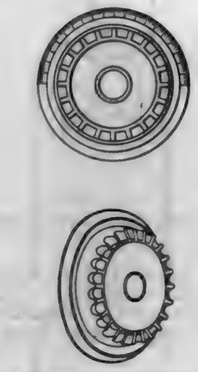
The ornamental design for a tire tread, as shown.

67,155. CHAIR SEAT. ANTONIO NARDEI, Delmont, Pa. Filed Feb. 19, 1925. Serial No. 12,424. Term of patent 7 years.



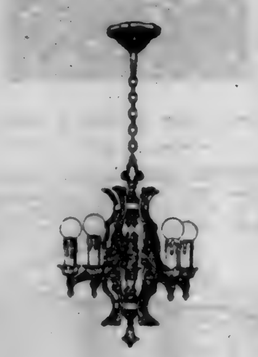
The ornamental design for a chair seat, as shown.

67,156. CONTROL HANDLE FOR REGULATING APPARATUS. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed June 5, 1924. Serial No. 9,808. Term of patent 7 years.



The ornamental design for a control handle for regulating apparatus as shown.

67,157. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 4, 1925. Serial No. 12,263. Term of patent 3½ years.



The ornamental design for a chandelier or article of similar nature, as shown.

67,158. GIRDLE. ERNEST H. ROSS, Iowa City, Iowa. Filed Sept. 27, 1924. Serial No. 10,911. Term of patent 7 years.



The ornamental design for a girdle, as shown.

67,159. METAL CHAIR. IRVING SALOMON, Chicago, Ill. Filed Jan. 28, 1924. Serial No. 8,468. Term of patent 7 years.



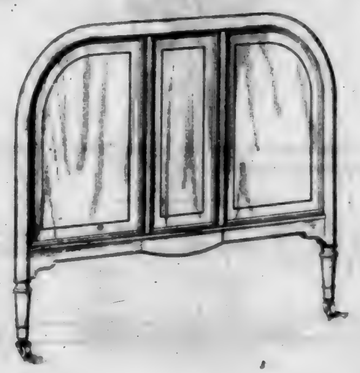
The ornamental design for a metal chair as shown.

67,160. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1925. Serial No. 12,024. Term of patent 14 years.



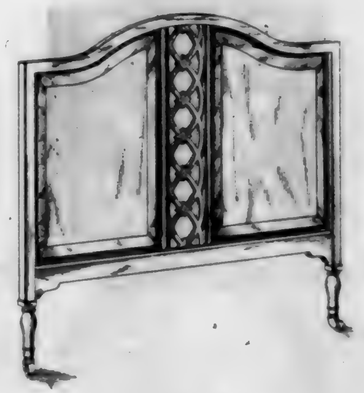
The ornamental design for paper as shown.

67,161. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 12,459. Term of patent 14 years.



The ornamental design for a bedstead end frame as shown.

67,162. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 12,460. Term of patent 14 years.



The ornamental design for a bedstead end frame as shown.

67,163. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 12,461. Term of patent 14 years.



The ornamental design for a bedstead end frame as shown.

67,164. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 12,462. Term of patent 14 years.



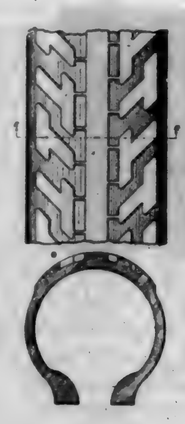
The ornamental design for a bedstead end frame as shown.

67,165. BEDSTEAD END FRAME. CHARLES A. STUART, Kenosha, Wis., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 12,463. Term of patent 14 years.



The ornamental design for a bedstead end frame as shown.

67,166. PNEUMATIC-TIRE TREAD. FRANK R. TALBOTT, Cleveland, Ohio, assignor to The Talbott Rubber Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 24, 1921. Serial No. 510,159. Term of patent 3½ years.



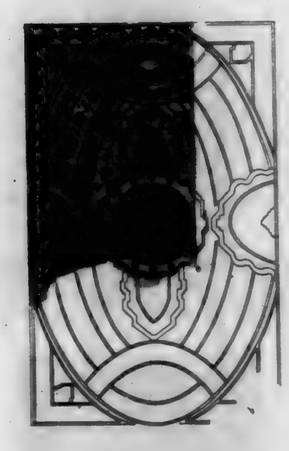
The ornamental design for a pneumatic tire tread, as shown.

67,167. PLATE OR SIMILAR ARTICLE. EDGAR E. TATLER, Trenton, N. J. Filed Sept. 8, 1923. Serial No. 7,162. Term of patent 7 years.



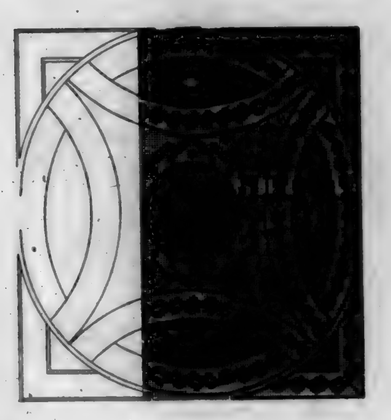
The ornamental design for a plate or similar article, as shown.

67,168. LACE. EDWIN D. TRAGUE, Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1925. Serial No. 12,390. Term of patent 3½ years.



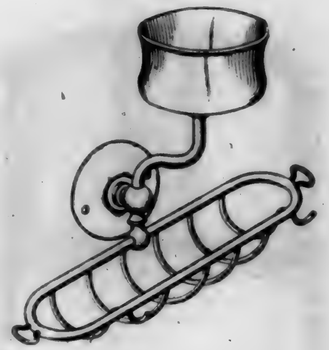
The ornamental design for lace, substantially as shown.

67,169. LACE. EDWIN D. TRAGUE, Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1925. Serial No. 12,437. Term of patent 3½ years.



The ornamental design for lace, substantially as shown.

67,170. BATHROOM APPLIANCE. PAUL F. TITCHENER, Binghamton, N. Y. Filed Feb. 2, 1925. Serial No. 12,241. Term of patent 3½ years.



The ornamental design for a bathroom appliance, as shown.

67,171. DOLL. EDWIN L. WHITLOCK and JAMES MADISON, New York, N. Y. Filed Dec. 22, 1923. Serial No. 8,120. Term of patent 3½ years.



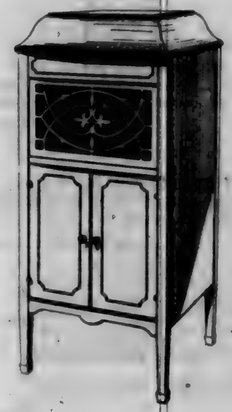
The ornamental design for a doll substantially as shown.

67,172. DOLL. EDWIN L. WHITLOCK and JAMES MADISON, New York, N. Y. Filed Dec. 22, 1923. Serial No. 8,121. Term of patent 3½ years.



The ornamental design for a doll substantially as shown.

67,173. PHONOGRAPH CABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Jan. 5, 1925. Serial No. 11,935. Term of patent 7 years.



The ornamental design for a phonograph cabinet, substantially as shown.

67,174. LIGHTING FIXTURE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,751. Term of patent 3½ years.



The ornamental design for a lighting fixture as shown.

67,175. LIGHTING FIXTURE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,752. Term of patent 3½ years.



The ornamental design for a lighting fixture as shown.

67,176. LIGHTING-FIXTURE CANOPY. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,756. Term of patent 3½ years.



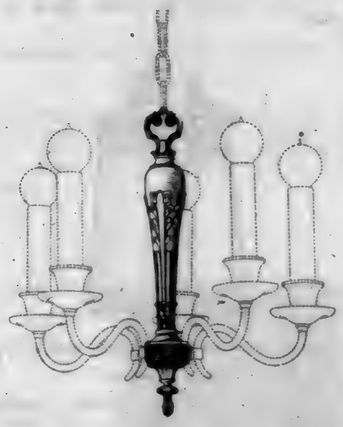
The ornamental design for a lighting fixture canopy, as shown.

67,177. LIGHTING-FIXTURE CANOPY. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,758. Term of patent 3½ years.



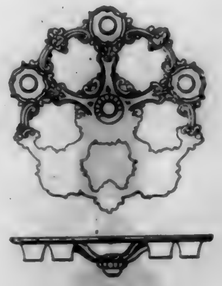
The ornamental design for a lighting fixture canopy, as shown.

67,178. LIGHTING-FIXTURE SPINDLE. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,763. Term of patent 3½ years.



The ornamental design for a lighting fixture spindle, as shown.

67,179. BODY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,231. Term of patent 7 years.



The ornamental design for a body for lighting fixtures as shown.

67,180. CHILD'S DRESS. MILDRED C. SCHMOLER, New York, N. Y., assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York. Filed Jan. 15, 1925. Serial No. 12,063. Term of patent 3½ years.

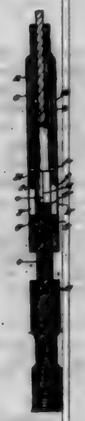


The ornamental design for a child's dress, substantially as shown and described.

PATENTS

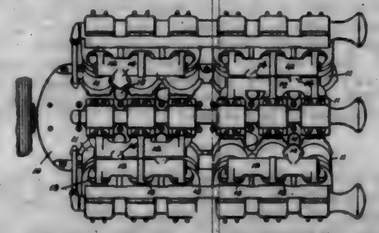
GRANTED APRIL 28, 1925.

1,535,083. DRILLING JAR. PAUL ARBON, Tulsa, Okla. Filed Jan. 2, 1923. Serial No. 610,263. 4 Claims. (Cl. 255—27.)



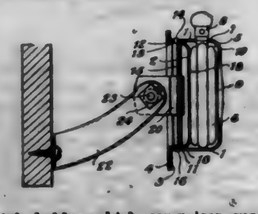
1. A jar comprising an uncut solid body portion free from joints and having an extension provided at opposite sides with welded joints extending throughout the length of the extension, said extension including two sections integral with the body portion and connected together by said welded joints, each of said sections being provided with an internal longitudinally extending groove and a slot extending through its wall from its outer surface to the groove, the slots having their outer ends open at all times to permit dirt and the like to pass out of the slots, a stem of slightly less diameter than the body arranged in said grooves and having a flattened cross-shaped head, the arms of which are slidably mounted in said slots, the upper ends of said grooves being spaced from the upper ends of the slots a distance equal to the length of the head above the arms to permit the arms to strike the upper ends of the slots simultaneously with the impact of the head against the upper ends of the grooves.

1,535,084. MANIFOLD ARRANGEMENT FOR MULTIPLE-CYLINDER ENGINES. GLENN D. ANGLE, Detroit, Mich. Filed Dec. 30, 1920. Serial No. 434,135. 1 Claim. (Cl. 123—55.)



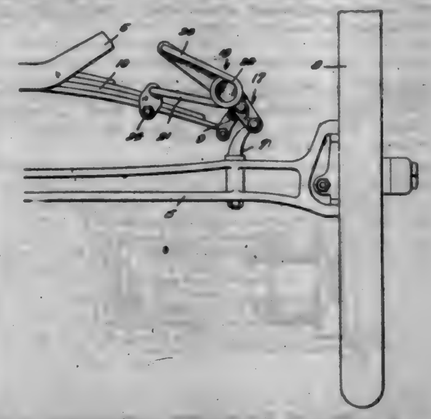
The combination, in a W-type engine, of a plurality of pipes for the fuel mixture passing through the crank case, and up between the center and outer banks of cylinders, of an intake manifold unit, comprising a body portion provided with a plurality of flanged openings therealong, the flanges of which are in substantially the same plane, said unit further comprising an intake pipe near one end of the unit, the intake pipe entering the manifold so that the axial lines of one of the first mentioned set of openings, and of the intake pipe, are at an acute angle whereby the intake manifold unit will fit in position on any one of the three banks of cylinders, with the intake pipe thereof fitting onto one of the first mentioned fuel mixture pipes between the cylinders.

1,535,085. WATCH HOLDER. HENRY BAMBERGER, Newark, N. J., assignor to Newark Watch Case Material Company, Newark, N. J., a Corporation of New Jersey. Filed Feb. 28, 1924. Serial No. 695,616. 7 Claims. (Cl. 224—4.)



2. A watch holder which comprises spaced front and rear sections, a bracket member, and latching means on said member to engage said sections to hold them together and to said member.

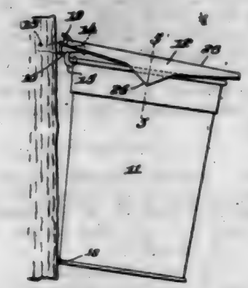
1,535,086. SHOCK ABSORBER. BENJAMIN FRANKLIN BARLOW, Travis, Tex. Filed Dec. 14, 1923. Serial No. 680,692. 2 Claims. (Cl. 267—17.)



1. An automobile shock absorber comprising an attaching bracket adapted to be interposed between one end of a leaf spring and an axle, said bracket comprising spaced parallel arms, a pair of transversely spaced links connected to said arms adjacent the outer

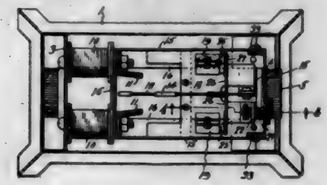
end of the bracket, the lower ends of said links being adapted to be connected with one end of the spring, an auxiliary spring comprising a central coil, and a pair of inwardly extending and diverging arms, the free ends of said arms being connected in one instance to one of the bracket arms and in the other instance to a clamp adapted to be connected with the main spring.

1,535,087. APPARATUS FOR COLLECTING SAP FROM TREES. CARLETON E. BARNETT, Cambridge, Mass. Filed Apr. 7, 1922. Serial No. 550,499. 2 Claims. (Cl. 47—51.)



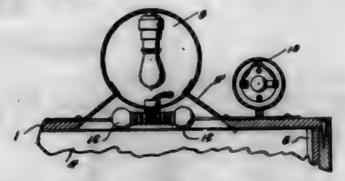
1. In an apparatus for collecting sap from trees, a spout having means thereon to support a bucket; a bucket adapted to be supported by said means; means provided on said spout to detachably engage and support a cover, said means comprising an upstanding and rearwardly extending tapered horn integrally formed with said spout; a cover for said bucket composed of a blank bent at the median line to form a ridge having sloping flat faces extending laterally therefrom its underface being normally in contact with said bucket at two diametrically opposite points whereby an air space is provided between said cover and said bucket for the passage of air over the mouth of the bucket from all directions, said cover having a hole adapted to engage said tapered horn, and having depending ears to engage the sides of the bucket at times, but normally out of contact therewith whereby the said cover may be raised off said bucket for the purpose of inspecting the contents thereof and lateral displacement of said cover is restrained when it is in position on said bucket.

1,535,088. RECTIFIER. JOSEPH R. BARNHART, Cleveland, Ohio, assignor to Walter M. Scott, Cleveland, Ohio. Filed Oct. 6, 1920. Serial No. 415,090. 5 Claims. (Cl. 175—365.)



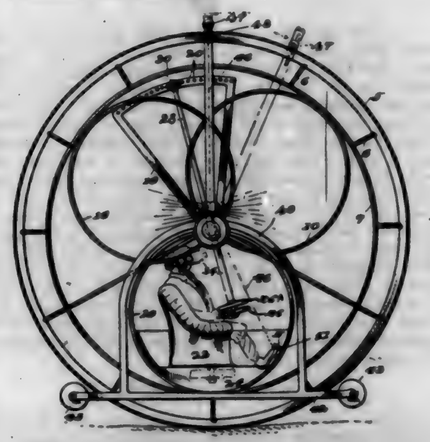
1. In a device of the character described, the combination with a vibratory reed, of a pair of lateral arms projecting from opposite sides thereof, contact members carried by said arms, a carriage movable longitudinally of said reed, and a pair of brushes carried by said carriage, one in line with each contact member.

1,535,089. COMBINATION TAIL LIGHT, SIGNAL, AND LICENSE-PLATE HOLDER. EMANUEL M. BARROS, Stamford, N. Y. Filed June 12, 1923. Serial No. 644,931. 1 Claim. (Cl. 40—132.)



A device of the character specified having a signal box, a signal casing made separately from said box and off-set therefrom, said casing having side walls provided with portions integral therewith in diverging relation, said portions being secured to the box, illuminating means intermediate said portions, said illuminating means being outwardly of the interior space of the box, means carrying said illuminating means closing the bottom of the casing and overlapping and supported at its opposite ends on the side walls of the casing, said box having an opening opposite said illuminating means, the inner surfaces of said portions constituting reflectors to assist in illuminating the box, and means supported from the casing carrying said illuminating means.

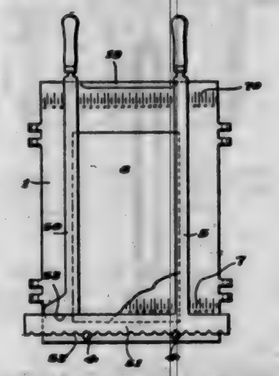
1,535,090. GRAVITY WHEEL. JULES BAUMANN, Humboldt, Ariz. Filed Aug. 8, 1922. Serial No. 580,429. 7 Claims. (Cl. 208—1.)



1. A vehicle comprising a ground contact rim, an axle on which the ground contact rim turns, a sleeve receiving said axle, an occupant carrying cradle having rigid connection with and suspended from the sleeve, an arch extending upwardly from and rigidly connected to said sleeve, and a manually operable shaft extending through said axle and sleeve and having a gear engaged with said arch whereby to move the same and shift the center of gravity of said cradle.

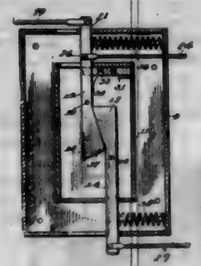
1,535,091. STEREOTYPE MOLD. ELMER E. BEARD, Port Angeles, Wash. Filed Jan. 5, 1923. Serial No. 610,931. 4 Claims. (Cl. 22—5.)

4. In combination with a two-part stereotype mold, one of said parts having vertically-extending rib-forming grooves therein, and having positioning pins at its lower edge projecting therefrom towards the complemental mold part, a side stick defining a side edge of a cut, and having a foot extending at right angles from its lower end to define the bottom edge of the cut, the lower edge of said foot having notches engageable with



said pins to maintain said side stick parallel with a groove in the mold part and at a predetermined distance therefrom, and means for defining the other side edge of a cut.

1,535,092. BRAKE. ROBERT BENJAMIN BELL, Miami, Fla. Filed Mar. 31, 1924. Serial No. 703,215. 9 Claims. (Cl. 188—2.)



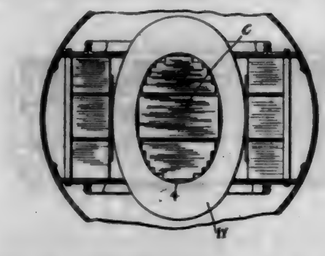
1. A device for coordinating the emergency and service brakes for united action and comprising a pair of levers pivoted intermediate their ends and having their inner adjacent ends in engagement, a link connected to the outer end of one lever and having connections with the service brake, a link connected to the other lever intermediate its ends and having connections with the emergency brake and a pedal connected with the outer end of the second mentioned lever.

1,535,093. PROTECTED BOBBIN AND METHOD OF MAKING THE SAME. RAYMOND C. BENNER, Fremont, Ohio, assignor to National Carbon Company, Inc., a Corporation of New York. Filed Mar. 5, 1921. Serial No. 450,073. 12 Claims. (Cl. 204—38.)

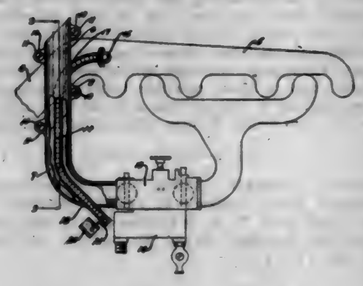
1. In a process of making a protected bobbin, spraying a coating-forming material upon the bobbin surface.

1,535,094. TRANSFORMER. ROBERT V. BINGAY, Pittsburgh, Pa., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Sept. 29, 1920. Serial No. 413,613. 2 Claims. (Cl. 175—358.)

1. In a transformer the combination with a core leg, of a transformer coil surrounding said leg and extending lengthwise thereof and comprising a plurality of successive conductor windings one within the other, insulation comprising strips spacing successive windings apart to provide ventilating ducts between said windings said ducts extending from end to end of the coil, and a layer of hardened varnish forming a binding and insulating film over the conductors and insulation throughout the coil.



1,535,095. AIR AND FUEL HEATER. WALTER J. BLIFFERT, Milwaukee, Wis. Filed Jan. 28, 1924. Serial No. 689,077. 3 Claims. (Cl. 257—241.)



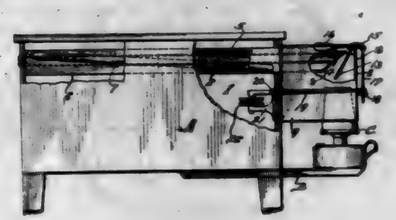
1. An attachment for an internal combustion engine including an exhaust manifold having an aperture therein, and a carburator, comprising a pipe opening into the carburetor and having an enlarged upper end portion, said enlarged portion surrounding a portion of the exhaust manifold, and a tubular member within the pipe and entering the aperture in said exhaust manifold, the lower end portion of said tubular member projecting through the pipe adjacent the carburetor bowl.

1,535,096. HACK SAW BLADE. GEORGE J. BLUM, Chicago, Ill., assignor to The Armstrong-Blum Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Original application filed Dec. 8, 1921, Serial No. 520,838. Divided and this application filed Sept. 4, 1923. Serial No. 660,826. 2 Claims. (Cl. 29—95.)



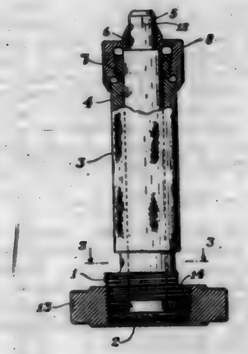
1. A hacksaw blade composed of a thin relatively wide strip of tough steel constituting a back or body, and a thin relatively narrow strip of high speed steel such as tungsten steel forming a toothed cutting edge of high wear-resisting qualities, said strips being arranged in abutting edge relation and welded together so as to be permanently united in an integral blade structure.

1,535,007. INCUBATOR HEATER. LUCIUS A. BROWN, Clay Center, Nebr., assignor to The M. M. Johnson Company, Clay Center, Nebr. Filed June 18, 1924. Serial No. 720,807. 5 Claims. (Cl. 237—15.)



1. In heating apparatus for incubators, in combination, an incubating chamber, a water tank extending across said chamber, water circulating pipes connected with said tank, one end of the tank projecting through a wall of the incubating chamber and extending a considerable distance beyond said wall, a box-like compartment enclosing said projecting end portion of the tank and having air outlet openings, a warm air pipe disposed within the said tank, the tank comprising end walls through which said warm air pipe extends, the end wall of the projecting end portion of the tank being spaced from the outer end of said compartment, a warm air supply means disposed beneath said last mentioned end wall and compartment to supply air to the end of the warm air pipe which leads through said end wall, and a valve movable in said compartment between the end of the air pipe and the outlet openings to open or close either of them substantially as described.

1,535,008. THREAD GAUGE. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 23, 1923. Serial No. 634,186. 10 Claims. (Cl. 33—178.)



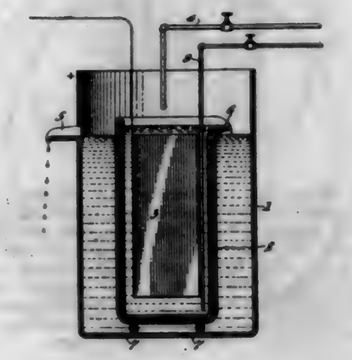
1. A gauge for testing the taper and lead of threaded conical surfaces comprising in combination, a threaded gaging member adapted to contact with a portion of the threaded conical surface to be gaged, a second threaded gaging member adapted to contact with another portion of said threaded surface, means co-operating with the said members to indicate the conical or taper accuracy of the surface, and means movably mounted on one of the members and coperating with the other member for indicating the accuracy of the lead of the thread being gaged.

1,535,099. VALVE-TESTING DEVICE. SAMUEL J. BURNS, Vinita, Okla. Filed July 25, 1922. Serial No. 577,417. 2 Claims. (Cl. 73—51.)



1. In combination, a tube having a pierced closure at one end and open at the other end, a yieldable pierced block at the open end of the tube adapted to be engaged with a tire valve, a piston in the tube, a rod extending from the piston through the pierced closure of the tube and friction means situated adjacent the pierced closure for engaging the rod to normally hold it stationary in an adjusted position.

1,535,100. PROCESS OF PRODUCING CHROMIC-ACID SOLUTIONS. ARTHUR W. BURWELL, Poughkeepsie, N. Y. Filed Jan. 23, 1922. Serial No. 531,281. 6 Claims. (Cl. 204—0.)

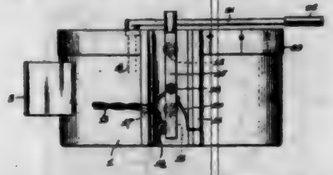


1. Electrolytic process of oxidizing chromic salt solutions comprising causing such solutions to flow successively through the cathode and anode compartments of an electrolytic cell having a porous diaphragm and an anode presenting an active lead surface; and maintaining sufficient excess of chromic salt in the solution to prevent anodic evolution of oxygen.

1,535,101. ELECTRIC TIME SWITCH. HERBERT W. CHRISTIAN, Detroit, Mich. Filed Feb. 17, 1923. Serial No. 619,567. 7 Claims. (Cl. 161—1.)

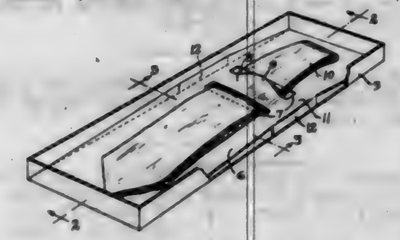
1. The combination of an electric water heating apparatus having a main switch and an auxiliary switch in circuit with a source of electrical energy, a clock mechanism having a winding arbor, and a switch kick-

off member on the winding arbor of said clock mechanism and by which member the clock mechanism may be partially wound, said kick-off member being actuated



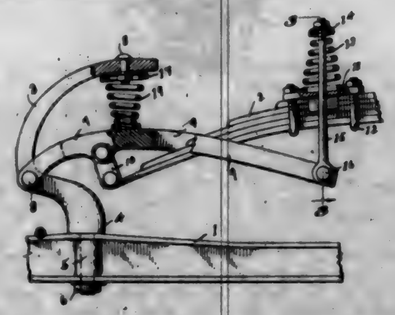
during the operation of the clock mechanism and opening the circuit of the auxiliary switch when the clock mechanism is approximately run down.

1,535,102. NECKTIE BOX. ARNOLD COHN, New York, N. Y. Filed June 11, 1924. Serial No. 719,265. 3 Claims. (Cl. 206—44.)



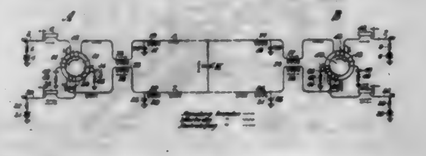
1. A display box having therein an article holder the ends and midportion of which are adapted to be frictionally held therein, depending means adjacent the midportion of the holder for keeping the center portion of the holder in spaced relation with the bottom of the box, and a necktie retaining bridge formed in said center portion.

1,535,103. SHOCK ABSORBER. WILLIAM P. COLE, Coalinga, Calif. Filed July 20, 1922. Serial No. 576,804. 3 Claims. (Cl. 267—17.)



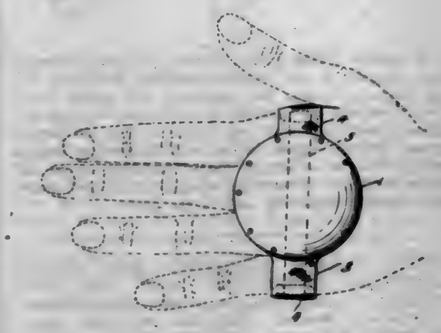
1. In a shock absorber, the combination with an axle of a vehicle, a leaf spring, a hanger carried by the axle and having a portion overhanging the leaf spring, a shock lever having one end pivotally connected to the hanger, compression springs mounted upon the leaf spring, means connecting said compression spring with the other end of the shock lever to absorb downward movement of the vehicle, said leaf spring having connection with the shock lever between its ends, and a second compression spring arranged between the shock lever and the free end of the hanger for absorbing upward movement of the vehicle.

1,535,104. MEANS FOR PREVENTING ELECTRICAL INTERFERENCE. SAMUEL I. CORY, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 6, 1922. Serial No. 559,010. 5 Claims. (Cl. 178—69.)



3. In a single-line Morse telegraph system, the combination with a plurality of line circuits, each having terminal apparatus connected therewith, of a transformer having groups of windings connected therewith, one winding of each group being connected in series with a line circuit and the other winding of each group being connected in shunt to ground, the circuits of the said windings being so arranged that the flux resulting from the transmission of a signaling impulse over one of said line circuits will create in the other windings of the other group an electromotive force such as to neutralize interfering cross-fire set up in the other circuit connected with the said latter group of windings.

1,535,105. TRAFFIC SIGNAL. DANIEL E. COTA, Waltham, Mass. Filed Dec. 10, 1921. Serial No. 521,438. 1 Claim. (Cl. 88—1.)

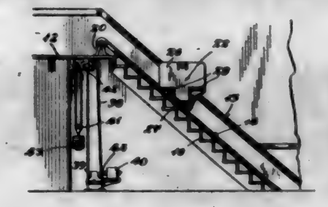


A traffic signal having a base of inelastic material, a reflector thereon, said reflector being curved between opposite edges to fit the hand of a user, said base including tabs integral therewith and returned from opposite edges thereof to provide substantially hook shaped portions adapted to extend partly around the hand and coact therewith to prevent displacing movement of the signal transversely of the hand, and an elastic tape spanning and secured to said tabs.

1,535,106. ELEVATOR FOR STAIRWAYS. CLARENCE C. CRIPPEN, Harrisburg, Pa. Original application filed Oct. 4, 1921, Serial No. 505,328. Divided and this application filed Feb. 25, 1924. Serial No. 695,046. 4 Claims. (Cl. 187—12.)

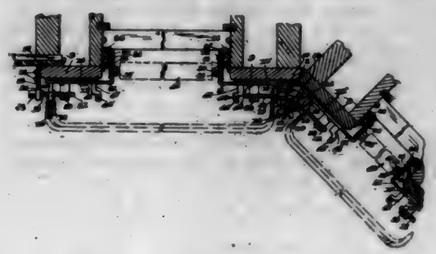
3. A stairway elevator comprising in combination, a channel rail adapted to be secured to extend the length of the stairway, a car movable upon said channel rail,

roller means carried by the car adapted to move in said channel rail for supporting the car, a second rail spaced above the first named rail and roller means carried by



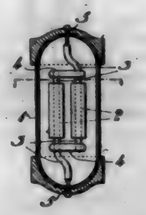
the car adapted to engage the second rail and cooperate with the first named rail for holding the car against tilting.

1,535,107. SHADE AND CURTAIN FIXTURE. ALBERT CZARNIZSKA, Milwaukee, Wis. Filed June 10, 1921. Serial No. 476,401. 8 Claims. (Cl. 156—24.)



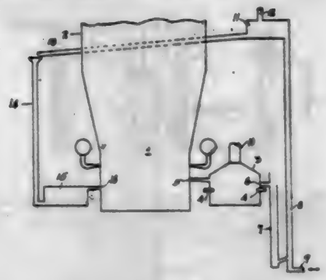
1. A window shade fixture including a pair of hinged plates adapted to rest against adjacent angularly disposed surfaces, means for adjusting said plates angularly to conform to surfaces in a plurality of angular relations, hook-shaped devices at the end of the plates, disposed at right angles thereto and adapted to engage about portions of a window frame, clamping means associated with each of said plates, and curtain and shade roller brackets carried by each of the plates.

1,535,108. CARBON ELECTRODE FOR VACUUM LIGHTNING CONDUCTORS. STEN TAGE DAHL, Stockholm, Sweden, assignor to Olof Kullberg-Mayer, Katrineholm, Sweden. Filed Feb. 28, 1923. Serial No. 621,875. 2 Claims. (Cl. 175—30.)



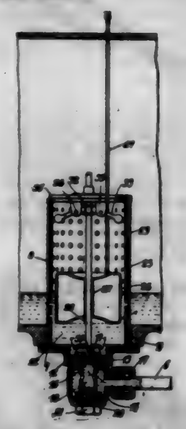
1. A lightning arrester, comprising, in combination, a plurality of carbon electrodes disposed in parallel spaced relation to each other, an insulating bridge adjacent to each end of the electrodes, and a metal conductor passing through each electrode from one end to the other, both ends of the conductor emerging from the electrode and secured to the respective bridges.

1,535,109. MANUFACTURE OF IRON. CALEB DAVIES, Jr., Poland, Ohio. Filed July 3, 1922. Serial No. 572,619. 16 Claims. (Cl. 266—1.)



1. In the manufacture of pig iron, the steps which consist in withdrawing a portion of the slag from the blast-furnace hearth, desulphurising such slag, and then returning the same to such hearth.

1,535,110. SELF OILER. FRED DOHRMANN, New York, N. Y. Filed May 21, 1923. Serial No. 640,519. 1 Claim. (Cl. 184—103.)

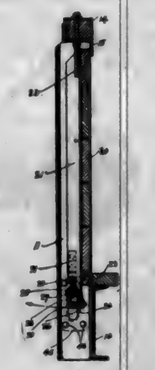


The combination with a motor crank case, having a threaded opening therein, a removable chamber, perforated throughout its length extending within the casing, a flange formed on the bottom of said chamber to engage the bottom of the motor case, screens surrounding the openings in the chamber, a duct connecting the chamber with a source of supply, a valve in the bottom of said chamber for regulating the flow of a liquid through the duct, a valve stem and float within the casing, a pair of weighted elements depending from the top of the casing, the inner ends of said weighted elements engaging the valve stem to lower the same when said weighted elements are engaged by the float and means to determine the position of said float within the chamber.

1,535,111. DOOR-LOCKING MECHANISM. GEORGE B. DORSEY, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,468. 12 Claims. (Cl. 105—309.)

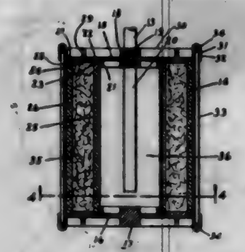
1. In a railway car, the combination with a supporting framework; of a swinging side door; a shaft adapted to assume a position between the side door and

a portion of the supporting framework; a link pivoted to the supporting framework; and a crank arm rigidly secured to the shaft and pivoted to the aforesaid link



the aforesaid shaft being adapted to be moved by rotation thereof about the pivot securing the crank arm to the link.

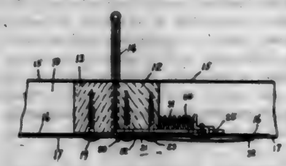
11,535,112. FILTERING APPARATUS. HOMER E. DUKE, Markleville, and GEORGE W. PIERCE, Anderson, Ind. Filed Mar. 17, 1922. Serial No. 544,548. 1 Claim. (Cl. 210—90.)



A pair of similar supporting heads for a filter construction formed from a pair of standard tubular drain tiles and a plurality of exteriorally positioned tile protecting and securing rods, each head including on opposite faces axially projecting bosses, an annular reinforcement and centering ring projecting from one face and concentric with the boss, another and similar ring upon the opposite face and concentric with both boss and first mentioned ring and of a larger diameter than either, a tile seat concentric with the boss and both rings and upon the same face as the first ring, and of a larger diameter than either ring, and radial ribs extending from the boss through the second mentioned ring upon that face of the head and terminating in rod receiving apertured enlargements, the apertures extending through the head for rod reception.

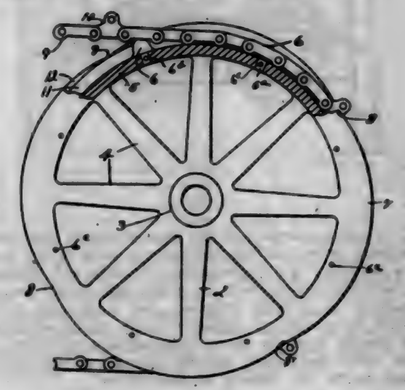
1,535,113. VEHICLE DOORCHECK. FLOYD K. EASTMAN, Kokomo, Ind., assignor to Concealed Door Check Company, Kokomo, Ind., a Corporation. Filed Mar. 23, 1924. Serial No. 702,574. 11 Claims. (Cl. 16—82.)

1. The combination with a body frame member, and a door frame member hinged thereto, of a door check comprising a plate secured to one of said members, a relatively thin flat resilient metal strap adapted to maintain itself adjacent the surface of the other member, said strap having one end secured to the other member and slidably connected with said plate, and means on



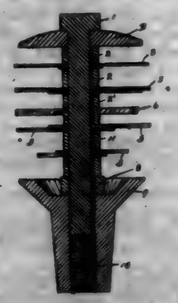
said strap for engaging said plate and limiting the sliding movement with respect thereto upon the door being opened.

1,535,114. FLANGED SPROCKET WHEEL. LEVI E. EDMUNDS, Philadelphia, Pa. Filed Nov. 8, 1924. Serial No. 748,643. 4 Claims. (Cl. 74—31.)



1. A sprocket wheel including a hub, spokes radiating therefrom, a rim at the outer ends of the spokes, teeth projecting from said rim, and flanges carried by said rim, said flanges decreasing in width from a number of points about the wheel to other points intermediate the first named points whereby transverse recesses are formed, the inner faces of said flanges being straight for a distance approximately equal to the height of the teeth to produce a trough and then beveled outward to form a diverging portion as a guide for a chain.

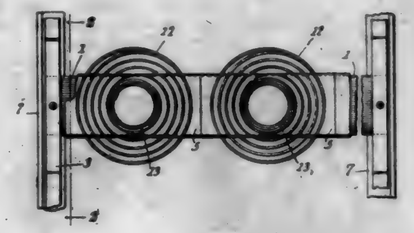
1,535,115. FLUE CLEANER. WILLIAM W. EVANS, Salt Lake City, Utah. Filed June 5, 1922. Serial No. 565,970. 2 Claims. (Cl. 15—104.16.)



1. In a device of the class described the combination of a headed bolt with a flat surface on one side of the shank thereof; a guide collar adjacent the head of the

bolt; breaker blades having a circular opening in each with a flattened portion corresponding to the flattened face of the bolt; and staggered in relation to each other; spacing sleeves carried on said bolt to space other breaker blades likewise staggered in relation to each other and carried on said bolt; a sweeping washer loosely carried medially on said bolt and of smaller diameted than the breaker blades; a sweeping collar of concavo-convex form carried on said bolt; with an internally threaded opening therein to receive the thread of a handle.

1,535,116. SPRING ASSEMBLY. ELISABETH M. FORE-HAND, Kokomo, Ind. Filed Sept. 17, 1923. Serial No. 663,235. 3 Claims. (Cl. 5—264.)



1. A spring assembly of the class described comprising combined spring holders and spacers, each in the form of a plate having a collar rising therefrom and threaded to receive a spring, slats on which said plates are designed to be slidably mounted, said slats and plates having inter-engaging means to hold them connected, and permit them to move longitudinally relatively to each other, and spiral springs having one end closely coiled to fit the threads of said collar.

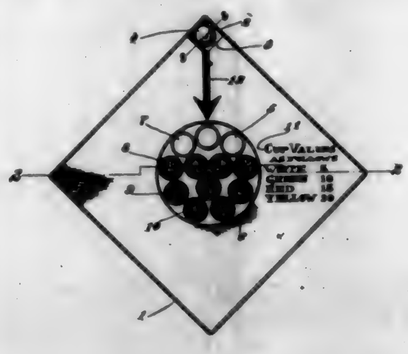
1,535,117. CABLE CONNECTER. ISADORE FULTON and CHARLES A. BOUSTEAD, Cresaps, W. Va. Filed Mar. 27, 1923. Serial No. 628,048. 2 Claims. (Cl. 173—353.)



1. A branch wire connecter for electric conductors comprising a stem, an enlarged outwardly flared head on one end of said stem and provided with a socket to receive the end of a branch wire, said head being split longitudinally, said stem being threaded intermediate its ends, a sleeve movably mounted on the stem having a tapered opening to receive the head on the stem and a threaded portion engaging the threads on the stem, and means to secure the stem to a conductor wire.

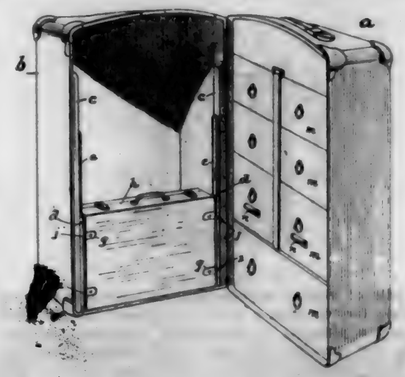
1,535,118. GAME. RUDOLPH M. GRIEBEL, Seattle, Wash. Filed Apr. 3, 1924. Serial No. 703,892. 3 Claims. (Cl. 273—105.)

2. A game consisting of a receptacle and a ball, the receptacle having a home station adapted to confine the ball near one extremity of the receptacle, a group of holes placed closely together near the centre of the receptacle, the spacing of the holes being less than the diameter of the ball, means for separately designating the different holes so that they can be conveniently scored for different amounts in playing the game, the



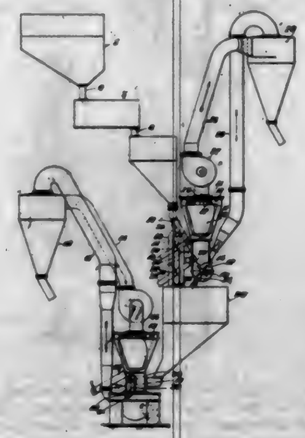
game being played by placing the ball in the home station, so manipulating the receptacle as to toss the ball; and catch it in the holes which are scored as designated.

1,535,119. WARDROBE TRUNK. EUGENE W. HAWLEY, Philadelphia, Pa. Filed July 5, 1923. Serial No. 649,450. 3 Claims. (Cl. 190—13.)



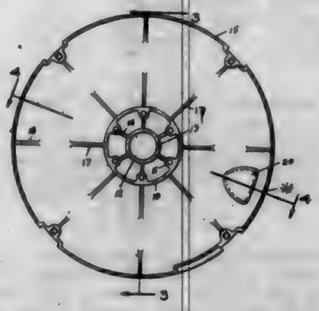
1. In a wardrobe trunk, the combination with one of the compartments, of a shoe box and a pair of pins thereon at each end thereof, the pins of a pair being at different vertical heights, and oppositely facing ways having front and rear walls and opening throughout their length toward each other, said ways being closed at the bottom and open at the top, each way accommodating both pins of a pair, the front wall of each way being longer than the distance between the pins of a pair and the rear wall of each way extendnig a substantial distance above the front wall; thereby allowing the withdrawal of the box by a vertical sliding movement of both pins within, and out of the open upper end of, said ways, and allowing the box to be readily maintained in a vertical position, by the simultaneous engagement of the two pins of a pair with the corresponding rear wall, during the box replacement operation, and whereby the box may also be restrained from a backward swinging movement and allow a forward swinging movement when raised sufficiently high for the upper pins to clear the tops of the front walls of the ways.

1,535,120. METHOD OF SEPARATING HIGH-CONTENT PHOSPHATE FROM LOW-CONTENT PHOSPHATE AND CLAY OR THE LIKE. SAMUEL B. KANOWITZ, Greensburg, Pa., and HYLEMAN A. WEBSTER, Columbia, Tenn.; said Kanowitz assignor of his right to Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 6, 1920. Serial No. 414,956. 13 Claims. (Cl. 83—54.)



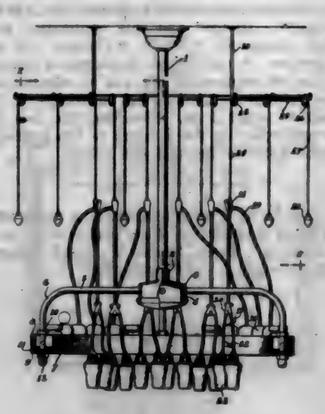
1. Method of separating phosphate from clay, which consists in comminuting the phosphate bearing material while in a dry state to reduce the clay to a powder and the phosphate to granular form, and then separating the powdered from the granular material to recover the latter by carrying away the powdered material in a body of air.

1,535,121. VEHICLE WHEEL. PETER LAMBERTUS, Indianapolis, Ind. Filed Dec. 6, 1924. Serial No. 754,836. 3 Claims. (Cl. 307—65.)



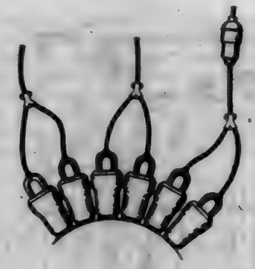
2. A cast metal disk wheel for automobiles or the like, having a hub portion and a rim portion, an intermediate disk-like portion cast integral therewith and extending therebetween, said disk portion being curved in cross section so as to have an inwardly-extending annular bulging portion, and a plurality of radially-extending spoke-like ribs intermediate the hub and bulged portion of the disk and the rim and bulged portion of the disk respectively so as to merge into the latter and form in connection therewith continuous supporting spokes between the hub and rim.

1,535,122. PERMANENT HAIR-WAVING MACHINE. GABRIEL LANTIERI, Jersey City, N. J. Filed Oct. 19, 1922. Serial No. 595,521. 4 Claims. (Cl. 219—24.)



1. In a machine of the class described, in combination, a depending suport having a bracket at its lower end, a plurality of outwardly and downwardly extending arms carried by said bracket, a circular outlet box mounted upon the lower end of said arms, said outlet box being divided into a plurality of independent sections, each of which is provided with a plurality of terminals, a switch, and fuse members, a plurality of electric heaters adapted to lie in nested relation within the circumference of said outlet box, cables extending from said heaters to the terminals carried by said outlet box, and counterbalancing means for said heaters engaging said cables intermediate their ends.

1,535,123. ELECTRIC HEATER FOR PERMANENT-WAVING MACHINES. GABRIEL LANTIERI, Jersey City, N. J. Filed Oct. 19, 1922. Serial No. 595,522. 4 Claims. (Cl. 219—24.)

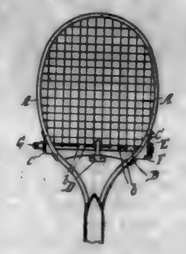


1. A device of the class described, comprising an insulating ring, an inner shell comprising a tubular member having one end positioned about said ring, said inner shell having an outwardly extending flange at its outer end, an outer shell having an inwardly turned portion at its outer end engaging the flange of said inner shell, the opposite end of said outer shell lying in telescoping relation with the corresponding end of the inner shell, means extending through said telescoping portions for fastening said shells together, said shells forming a hollow casing, an electric heating means located within said casing and positioned upon said inner shell, and a handle fastened to the inner end of said casing.

1,535,124. GUN-CLEANING COMPOUND AND METHOD OF PREPARING SAME. ROBERT LAUGHLIN, Buffalo, N. Y., assignor to Commercial Electrolytic Corporation, New York, N. Y., a Corporation of New York. Original application filed Sept. 21, 1918, Serial No. 255,087. Divided and this application filed Feb. 15, 1919. Serial No. 277,232. 4 Claims. (Cl. 148—8.)

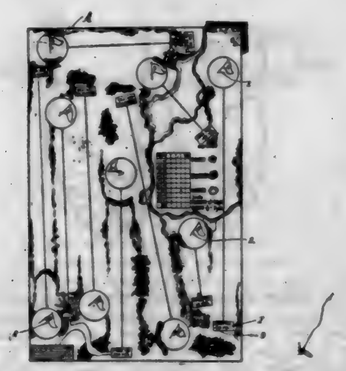
1. A process or method of preparing a material resulting from an ammonium salt and an alkali for removing metal fouling, comprising the provision of the salt and alkali in solid form, dissolving the two together in water and applying the solution to the fouling during the reaction between the salt and alkali.

1,535,125. MEANS FOR TIGHTENING THE STRINGS OF TENNIS RACKETS. JOHN MCDOUGALL, Auckland, New Zealand. Filed Sept. 27, 1921. Serial No. 503,596. 2 Claims. (Cl. 273—73.)



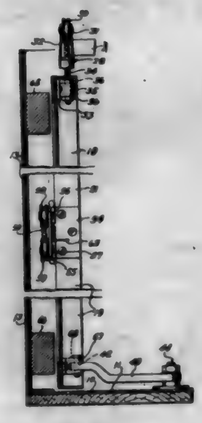
1. In tennis rackets and the like, a spindle mounted to extend transversely across within the frame near its inner end, and through which the inner ends of the longitudinal strings of the racket are threaded, and means whereby such spindle may be rotated in its bearings and may be locked from rotation, substantially as and for the purposes specified.

1,535,126. GOLF GAME. HENRY H. MCNAIR and EDWARD KOPPER, St. Paul, Minn. Filed Aug. 10, 1922. Serial No. 580,960. 5 Claims. (Cl. 273—87.)



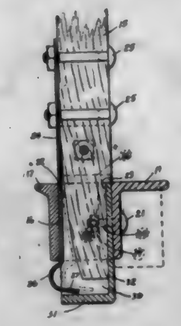
1. A golf card game comprising a miniature golf course having the fairways thereof drawn to one scale and the greens drawn to another scale, a chance device for indicating a hypothetical stroke and the yardage attained thereby, and measuring means to determine the new position of a ball after said stroke, whether on a fairway or on a green.

1,535,127. SLIDING DOOR AND STRUCTURE CONTAINING THE SAME. JAMES F. MIDDLEDITE, Plainfield, N. J., assignor to The J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed July 8, 1924. Serial No. 724,813. 15 Claims. (Cl. 20—19.)



13. In a structure of the class described having a doorway, a door mounted for combined sliding and swinging movement to open and close the doorway, means for suspending the door at its upper margin for sliding movement, a swinging arm for guiding the base of the door and stabilizing devices for limiting angular swaying movement of the door upon said suspending means without interfering with the sliding movement of the door.

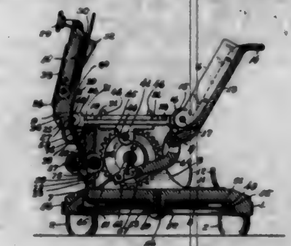
1,535,128. STAKE RETAINER FOR VEHICLES. NUGENT MILNER, Evansville, Ind., assignor to Graham Brothers, Evansville, Ind., a Corporation. Filed Mar. 22, 1924. Serial No. 701,094. 4 Claims. (Cl. 296—43.)



1. A detachable connection for securing a stake to a vehicle body member, including a socket secured to the body member, a stake having one face relieved and receivable by the socket and extending substantially to the bottom thereof when seated, an open faced hood secured to the stake and projecting beyond the stake end and the socket and with the stake relieved face exposed to the socket through the hood open face, said hood projection and stake end forming a recess therebetween having a portion positioned beneath the socket and providing lateral access thereto, and a strap spring rigidly secured to the stake above the socket engaging

portion and having a movable and arcuately curved locking portion normally positioned beneath the socket to engage the lower edge thereof for detachably retaining the stake in the socket and automatically releasing the same to permit forcible removal therefrom.

1,535,129. FILM-SPLICING APPARATUS. EMIDIO MONACELLI and AMERICO PAGNANELLI, New York, N. Y. Filed Nov. 18, 1922. Serial No. 601,714. 9 Claims. (Cl. 154—42.)



5. A film-splicing apparatus comprising a platform, clamps to secure pieces of film to be united on the top of the platform, a lever bearing a blade to trim the ends of said pieces, a gear operated by the lever, feed rolls to engage a splicing strip actuated in one direction by the gear, a presser bar, and a guide-way to direct the strip to the lower face of the bar, when said feed rolls are operated.

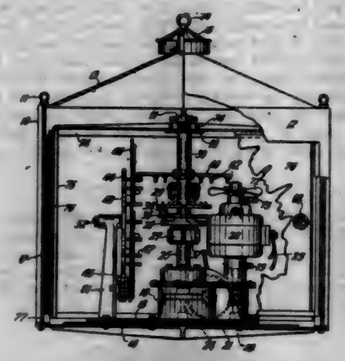
1,535,130. HIGH-POWER RADIOTELEPHONY. ARTHUR A. OSWALD, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,557. 9 Claims. (Cl. 250—17.)



1. The method which comprises transmitting a band of frequencies of a total frequency range of the order of 2000 cycles through an antenna having a resonance characteristic materially narrower than 2000 cycles with a substantially uniform effectiveness over the entire frequency range of the band.

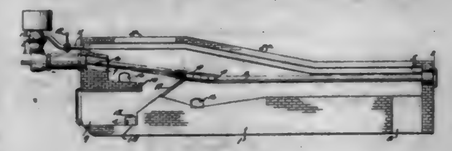
1,535,131. LANTERN-TYPE ADVERTISEMENT AND PICTURE DISPLAYING APPARATUS. HENRY PARKS, Haberfield, near Sydney, New South Wales, Australia, assignor to Joe Millican, Edgecliffe, near Sydney, New South Wales, Australia. Filed July 27, 1923. Serial No. 654,112. 8 Claims. (Cl. 88—27.)

1. A transparency display and projector lantern, comprising a casing with means for mounting or suspending it, a polygonal open bottom lantern housed within said casing and supported on a sleeve rotatable on a central vertical post spindle; an electric motor with speed reducing gear arranged for maintaining said spindle in continuous rotation; a rotatable transparency carrier mounted on a horizontal axis; an optical projector and an electric lamp arranged in operative relation to transparency slide apertures in said carrier; a crown pin wheel on said sleeve co-acting with tappets on said transparency carrier; an automatic pick-up dog clutch adapted for engaging said sleeve to said spindle during a fractional period of each rotation of said spindle; and means for arresting the partial rotary movements



of said lantern and carrier at fixed angular positions and for locating and holding them steady in such positions during the dwells between successive movements, all said parts being mounted on the bottom of the housing casing.

1,535,132. PULVERIZED-FUEL-BURNING APPARATUS. WILLIAM O. RENKIN, Oradell, N. J., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Aug. 4, 1923. Serial No. 655,562. 4 Claims. (Cl. 263—10.)



1. In a furnace designed to operate with pulverized fuel, the combination, with a nozzle extending through one wall of the furnace and means for discharging therethrough into the combustion chamber of the furnace a mixture of pulverized fuel and air, of a nozzle located above said fuel nozzle and adapted to discharge air alone along under, and substantially parallel to the under surface of the roof of said combustion chamber.

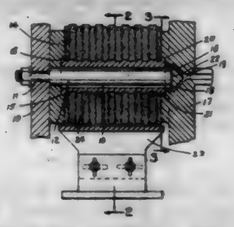
1,535,133. TELESCOPIC CURTAIN ROD. DANIEL D. RICHARDS, Storrs, Utah. Filed Dec. 11, 1922. Serial No. 606,112. 1 Claim. (Cl. 156—19.)



In a curtain fixture, the combination with a pair of plates secured in parallel spaced relation with respect to one another, the rear plate being provided with a pair of vertically aligning and spaced apart slots, said slots terminating in their lower ends in enlarged openings and affording means whereby said rear plate may be

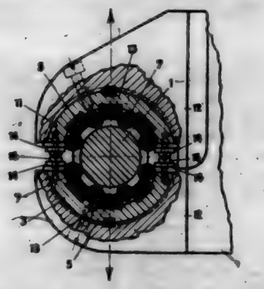
removably attached to a support; of a pair of poles, each of said poles comprising a series of outwardly tapering telescopic tubular sections, means for pivotally supporting the innermost section of each pole between the aforesaid plates adjacent their lower edges, a pair of stop pins mounted transversely of said pair of plates above and inwardly of the pivot points of said pole sections, said pins being adapted to contact with the innermost ends of said inner pole sections in one position to limit the outward movement of said poles and adapted for contact with the outer end portions of said inner pole sections in another position to limit the upward movement of said pole sections, stems secured in the outer ends of the outer sections of said poles, and enlarged and upwardly curved heads formed on said stems.

1,535,134. PROCESS OF UNITING METALLIC AND FIBROUS BODIES. GEORGE O. ROCKWOOD, LOUIS C. MCANLY, and JOHN W. SKELLEY, Indianapolis, Ind., assignors to The Rockwood Manufacturing Company, Indianapolis, Ind., a Corporation. Filed May 15, 1924. Serial No. 713,463. 5 Claims. (Cl. 22—202.)



1. The process of uniting metallic and fibrous bodies consisting of forcing molten metal into the fibrous body under sufficient pressure to penetrate into the pores of said fibrous body and form a bond therewith.

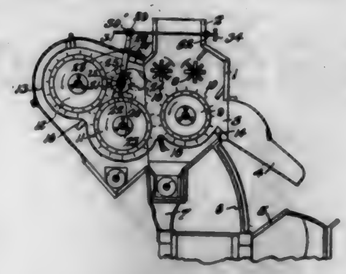
1,535,135. SCREW GEARING. FRIEDRICH GUSTAV BERNHARD RÖDEL, Leipsig, Germany. Filed Sept. 5, 1924. Serial No. 736,126. 4 Claims. (Cl. 74—40.)



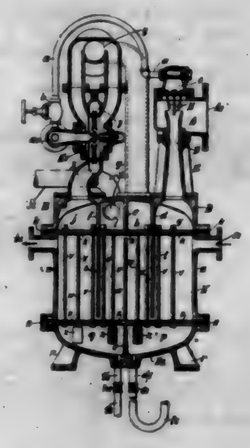
1. In a ball bearing for lead spindles and the like, a threaded spindle, a bearing member surrounding the same, ball bearings associated with the threads of said spindle, retaining members disposed axially of said spindle and retaining said balls, and securing means extending interiorly of said bearing member and over said balls.

1,535,136. ADJUSTABLE AGITATOR FOR COTTON CLEANERS. JOHN ARNOLD STREUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex. Filed May 2, 1924. Serial No. 710,543. 7 Claims. (Cl. 19—67.)

3. In a feeder cleaner for cotton, the combination with a casing, a plurality of picker cylinders journalled in said casing for rotation in the same direction, a screen below said cylinders, and means to feed cotton gradually to said cylinders, of an agitator roller above said cylinders and supported on means adapted to swing relative to said cylinders, whereby the distance of said roller from said cylinders may be varied.



1,535,137. FLUID-COMPRESSING APPARATUS. ROBERT SUCHÝ, Melnik, Czechoslovakia, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 8, 1920, Serial No. 379,716. Renewed Mar. 21, 1925. 31 Claims. (Cl. 230—13.)

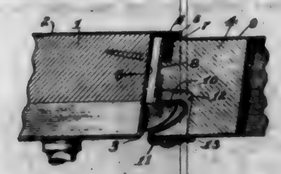


1. The combination with a plurality of ejectors, of an interstage condenser comprising vertical tubes, one of said ejectors discharging through said tubes, connections from said tubes delivering to a second of said ejectors uncondensed fluid, both of said ejectors secured directly upon the top of and discharging downwardly into said condenser.

1,535,138. DOOR-LATCH CONSTRUCTION. HORACE T. THOMAS, Lansing, Mich., assignor to Reo Motor Car Company, Lansing, Mich., a Corporation of Michigan. Filed Sept. 29, 1920. Serial No. 413,466. 10 Claims. (Cl. 292—340.)

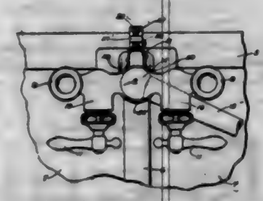
1. In combination, an automobile door frame having a covering constituting the external wall of the door

extended in substantially the plane of the outer surface of the door and serving as an overlap and stop-flange, a



jamb having a bumper of extended vertical dimension engaged by the stop-flange, and bevel latch mechanism to retain said engagement.

1,535,139. LAUNDRY FAUCET. WILLIAM F. VAN EWEYK, Milwaukee, Wis., assignor to Milwaukee Brass Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 13, 1923. Serial No. 631,858. 5 Claims. (Cl. 4—193.)



1. A laundry swing faucet, comprising a water faucet body member having a medial downwardly projecting tubular discharge nozzle extension, a supporting member having an annular portion extending around said extension and also having another portion extending downwardly therefrom and provided with a pair of fixed jaws at its lower end for straddling the medial partition of a wash tub, a lever jaw pivoted to the lower portion of the supporting member, and a threaded means for moving the lever jaw to clamp the rear wall of the wash tub between said lever jaw and the fixed jaw.

1,535,140. CONTAINER. VICTOR VIVAUDOU, New York, N. Y. Filed Oct. 16, 1922. Serial No. 594,871. 1 Claim. (Cl. 132—88.)



A container comprising a top member, a bottom member having rigidly attached thereto a threaded member, a compact-supporting member having rigidly attached thereto a threaded member capable of meshment with the threaded member of the bottom member upon rotation of the compact-supporting member with respect to the bottom member and a frangible, solid powder compact fixedly attached to the compact-supporting member.

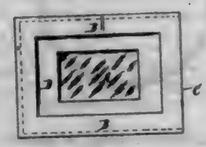
1,535,141. APPARATUS FOR PUMPING WELLS. JAMES D. WADE, Gonzales, Tex. Filed Mar. 1, 1923, Serial No. 622,072. Renewed Mar. 10, 1925. 5 Claims. (Cl. 166—10.)

1. In a well having a casing and liner therein, said casing and liner being of uniform internal diameter, a pump barrel support comprising a mandrel adapted for attachment on the upper end of a pump barrel, and means on said mandrel to seal the space outside said



mandrel and between said casing and liner comprising a packing sleeve slidable on said mandrel and compressed at said mandrel on contacting with said liner.

1,535,142. PHOTOGRAPHIC-PRINTING MASK. PERCY RONALD WATSON and WILLIAM OSBORNE TILSLEY, Te Aroha, New Zealand. Filed May 19, 1921. Serial No. 470,992. 2 Claims. (Cl. 95—79.)

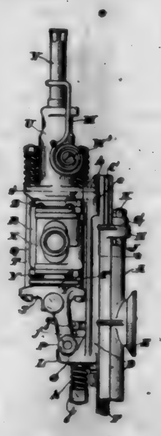


1. A masking device for holding masking sheets in photographic printing comprising a sheet of glass, and non-actinic material supported by the glass and extending loosely inward over one surface of the glass to form a pocket on such surface and having an entrance opening along one edge of the glass through which masking sheets may be slid into said pocket.

1,535,143. MOUNTING FOR ROCK DRILLS. RUSSELL H. WILHELM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 6, 1924. Serial No. 697,205. 3 Claims. (Cl. 255—51.)

1. A mounting for a fluid actuated percussive machine comprising the combination of a front end portion of the machine, means formed integrally with said front end portion for supporting said portion, a carriage on which said machine is mounted, said carriage being formed with guide-ways adapted to receive said integrally formed means and to permit said front end portion

to slide in the longitudinal plane of the machine but prevent movement in the vertical plane of the machine, means for clamping a rear end portion of the machine



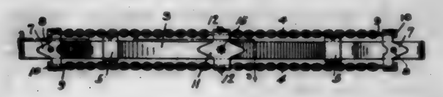
to said carriage adapted to permit limited longitudinal movement of the machine relative to said carriage, and a shell on which said carriage is mounted.

1,535,144. HOOPLE TOY. LEON APTOWICZ, Yonkers, N. Y. Filed Mar. 11, 1924. Serial No. 698,360. 2 Claims. (Cl. 272—85.)



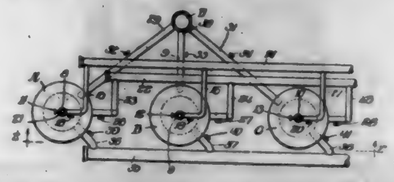
1. A toy comprising a hoop, a plurality of bells secured to the inner periphery of the hoop, tubular guideways extending between said bells, and balls in said guide-ways adapted to strike the bells as the hoop is rolled.

1,535,145. VEHICLE BUMPER. FRANK A. BOND, Pittsburgh, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 9, 1924. Serial No. 691,696. 12 Claims. (Cl. 293—55.)



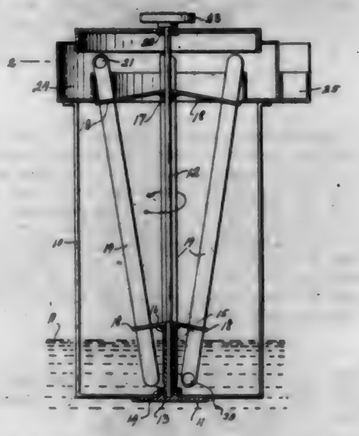
1. A bumper structure comprising supporting brackets, resilient bars supported by said brackets and having their ends extending past said brackets, the outer ends of said bars being bent forwardly, and a flexible tension device connecting the outer ends of said bars.

1,535,146. METHOD OF HEATING GASEOUS FLUIDS. HERMAN A. BRASSERT, Chicago, Ill., and CHARLES W. ANDREWS, Duluth, Minn. Filed Jan. 4, 1923. Serial No. 610,720. 7 Claims. (Cl. 263—19.)



1. The method of heating gases adapted for heating blast air or steam, which method comprises regeneration by means of short heat absorbing and heat discharging periods for each regeneration unit, the periods being of such duration that a relatively even temperature of the heated gases may be maintained throughout the heat discharging period without regulation or mixing of gases.

1,535,147. APPARATUS FOR LIFTING WATER, GRAIN, OR THE LIKE. FAWCETT H. COLPITTS, Denver, Colo., assignor to Hydro Vacuum Elevator Company, Denver, Colo. Filed June 9, 1920. Serial No. 387,714. 3 Claims. (Cl. 103—100.)

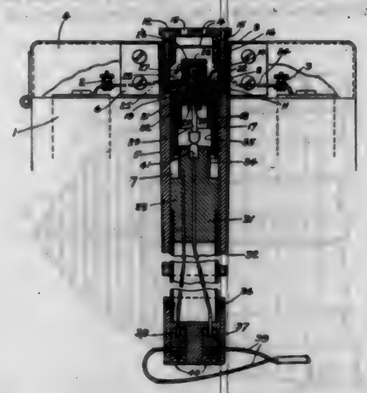


1. An elevating machine of the character described comprising an element mounted for rotation about a vertical axis and including a plurality of continuously straight conduits slanting upwardly and outwardly from said axis, each conduit having at its lower end an intake opening having its center in the axial plane of the conduit and facing in the direction of rotation of the element and at its opposite end a discharge opening having its center in the axial plane of the conduit and disposed in the circle of rotation of said end and rearwardly of the same with relation to the direction of rotation.

1,535,148. SHOT-FIRING DEVICE. JOSEPH BERTRAM DE HART, Lethbridge, Alberta, Canada. Filed July 30, 1924. Serial No. 729,106. 6 Claims. (Cl. 102—7.)

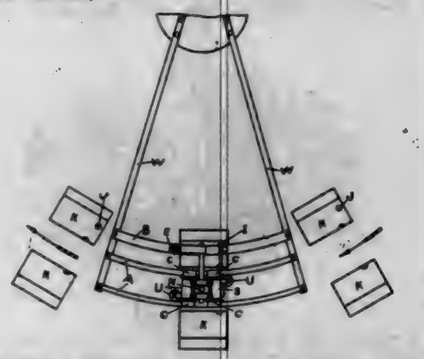
5. A shot firing device comprising a tubular body having an open ended lower chamber, a pair of electrical contacts carried in the lower chamber and adapted for connection to an ignition battery, a connector rod of substantially similar diameter to the lower chamber adapted for insertion into the lower chamber, a pair of

electrical contacts corresponding to those in the lower chamber, means for connecting a pair of shot firing wires to the connector contacts, means for forming connection between one contact in the lower chamber



and the corresponding contact of the rod when the rod is partially thrust into the tubular body, and for forming a yielding connection between the remaining pair of contacts as the rod is thrust to its ultimate position within the hollow body.

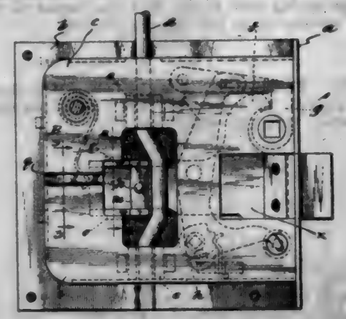
1,535,149. AUTOMATIC APPLICATION OF LAMP-BLACK TO METAL MOLDS. JOSEPH LOUIS DOSTAL, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Sept. 27, 1922. Serial No. 590,913. 5 Claims. (Cl. 22—88.)



1. In a molding machine an inclined stationary track, a series of molds arranged to be automatically opened when passing beneath said track, a carriage rolling on said track, a burner suspended from said carriage, a peg projecting from each of said molds, an arm extending from said carriage and engaging with said projection whereby the burner is carried forward with the mold, automatically released, returned and again carried forward by the next succeeding molds.

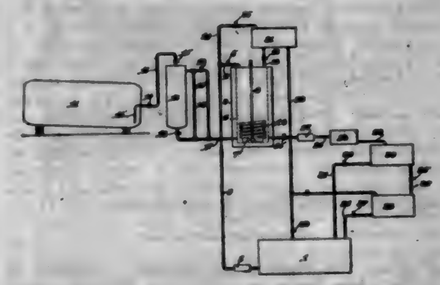
1,535,150. LOCK. FRANK M. EDGAR and THOMAS P. ARCHER, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 22, 1923. Serial No. 647,128. 6 Claims. (Cl. 292—169.)

1. In a lock, the combination of a cover plate, a sliding bolt, means adapted to engage the sliding bolt for the purpose of retracting the same, the inner end of the bolt provided with raised bearing surfaces and ears



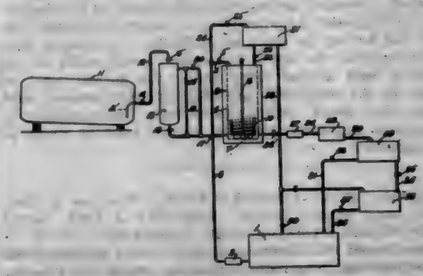
struck down from the cover plate adapted to engage the bearing surfaces of the bolt for the purpose of guiding the same.

1,535,151. ART OF REDUCING INDIGO DYES AND OTHER SOLUTIONS. FREDERIC AUGUSTUS EUSTIS, Milton, Mass. Filed Nov. 17, 1921. Serial No. 515,809. 12 Claims. (Cl. 8—6.)



8. The art of reducing an indigo dye solution which comprises mixing a part of the dye solution to be reduced with zinc dust, adding sulphur dioxide to the mixture to form zinc hydrosulphite, adding an alkaline agent to the solution to convert the zinc hydrosulphite and other zinc salts into sodium salts, and returning said sodium salts in solution to the rest of the dye solution.

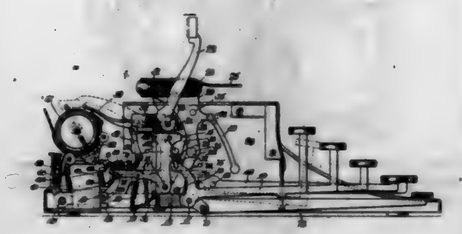
1,535,152. APPARATUS FOR REDUCING DYE SOLUTIONS. FREDERIC A. EUSTIS, Milton, Mass. Original application filed Nov. 17, 1921. Serial No. 515,809. Divided and this application filed June 14, 1922. Serial No. 568,164. 4 Claims. (Cl. 8—18.)



1. Apparatus for reducing solutions comprising a vat, a mixing tank, means to deliver solution from the vat to the mixing tank, a sulphur dioxide supply tank,

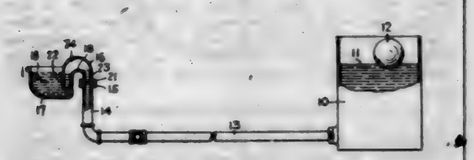
means to deliver sulphur dioxide from the supply tank to the mixing tank, a filter, means to deliver solution from the mixing tank to the filter and means to deliver filtered solution from the filter to the vat.

1,535,153. TYPEWRITING MACHINE. MAX GARBELL, Chicago, Ill. Filed Mar. 10, 1924. Serial No. 698,032. 7 Claims. (Cl. 197—26.)



1. In a collapsible typewriter, the combination of a pivoted type bar adapted to be moved from a substantially horizontal position upon one side of the pivot to a vertical position and from said vertical position to a substantially horizontal printing position upon the opposite side of said pivot, a pivoted key lever and a pivoted member providing a connection between the key lever and the type bar, the pivot of the key lever and said member being arranged adjacent each other, the key lever being connected to said member between the ends of said member, said member having an arm extending laterally therefrom and a spring connected to said arm and reacting between said arm and a stationary part of the frame of the machine.

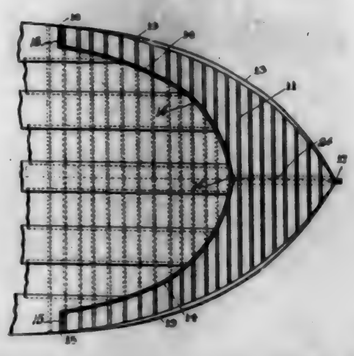
1,535,154. WATER-SUPPLY SYSTEM. GORDON A. HATTON, New Castle, Pa. Filed Jan. 28, 1925. Serial No. 4,265. 4 Claims. (Cl. 119—77.)



1. The combination with a source of water supply, of a receptacle, a conduit leading from said source, an inverted U pipe having one leg connected to the outer end of said conduit and having its other leg extending downwardly into the receptacle, the upper and lower curved walls of the bend in said U-pipe being above the normal level of water in the receptacle, and the mid-point between said upper and lower curved walls being substantially in horizontal alignment with the normal level of water at said source.

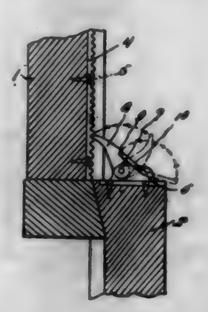
1,535,155. BOAT CONSTRUCTION. WILLIAM I. HAY, Montreal, Quebec, Canada. Filed May 12, 1923. Serial No. 638,528. 1 Claim. (Cl. 114—116.)

In a vessel the combination with a hull including the transverse and longitudinal framing angles, of a series of hold plates riveted to the longitudinal framing angles, curved angle frames extending around the bow of the vessel and attached to the hull by girders at the sides of the hull, forehold plates riveted to the curved angle frames and spaced from the hull, vertical angles reinforcing said forehold plates, bulb angles joining the framing or angles of the hull together to give added trength to the fore-peak, angle brackets arrranged to form a spacing means between the hull plates and the hold, keel



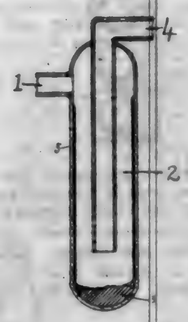
girders, stiffening members provided between the keel girders and the transverse framing angles of the hull, a diaphragm placed between the bow and the hold for reinforcing purposes, said diaphragm being apertured to give passage to the fore-peak compartments at either side thereof.

1,535,156. WINDOW-SASH LOCK. ERNEST HIBBS, Fort Wayne, Ind., assignor of one-half to William H. Diederich, Fort Wayne, Ind. Filed June 11, 1924. Serial No. 719,392. 1 Claim. (Cl. 292—210.)



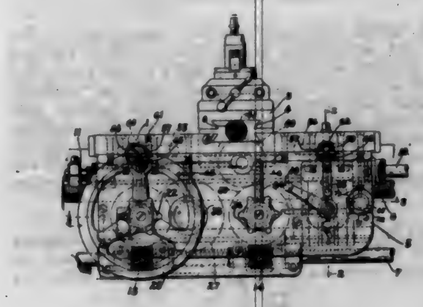
In combination with the upper and lower sliding sashes of a window, means for holding the same in adjusted positions with respect to each other comprising a ratchet bar secured to the upper sash, a bracket secured to the top of the lower sash, a locking dog pivotally supported on the bracket and adapted for engagement with the ratchet bar, a shoulder formed on the back of the locking dog, and means cooperating with the shoulder for holding the locking dog in locked engagement with the ratchet bar, said means comprising a swinging catch formed of a single strand of wire, the central portion thereof being straight, the ends of the wire extending at substantially right angles to the central straight portion and parallel with respect to each other, the terminals of the wire being disposed inwardly in parallel relation with respect to the central straight portion and providing a means for pivotally supporting the catch on the bracket.

1,535,157. MERCURY-VAPOR TRAP. ARTHUR LLEWELYN HUGHES and FRANKLIN EMBRY POINDEXTER, St. Louis, Mo. Filed Oct. 4, 1924. Serial No. 741,669. 4 Claims. (Cl. 230—13.)



1. A mercury vapor trap containing an alkali metal.

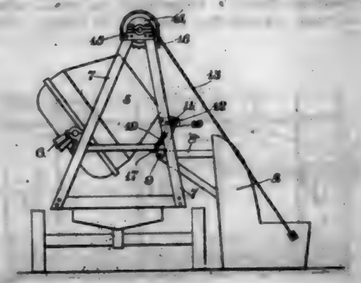
1,535,158. LATHE. WALTER E. INGHAM, Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 2, 1921. Serial No. 498,151. 8 Claims. (Cl. 82—22.)



1. In a lathe, the combination of a tool carriage, a feed shaft, a feed screw, mechanism comprising a clutch for moving the carriage longitudinally upon rotation of the feed shaft, mechanism comprising a nut for engaging the screw to move the carriage longitudinally, interlocking means between the said two mechanisms comprising a rod, and means operatively connecting the rod with one of the said mechanisms whereby the rod is moved in two directions thereby, the operative connection between the two mechanisms and the rod being such that the nut and clutch can not be in the operative engaged position simultaneously.

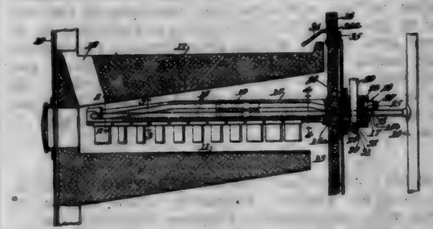
1,535,159. CONCRETE MIXER. GERHARD JABOUR, Columbus, Ohio. Filed Feb. 7, 1924. Serial No. 691,293. 4 Claims. (Cl. 214—130.)

1. The combination with a mixing vessel and a frame for supporting the same, of a loader bucket for the mixing vessel, means for pivoting said bucket with reference to the frame consisting of a pendently hinged link, said link having a hinged connection at its free



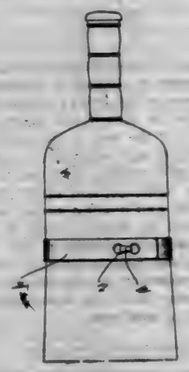
end with the loader bucket, and means for raising the bucket first on the lower axis and then on the other to mixing vessel charging position.

1,535,160. RABBLE FURNACE. ARCHIE NOEL JETTE, Anaconda, Mont. Filed July 16, 1923. Serial No. 651,895. 10 Claims. (Cl. 257—119.)



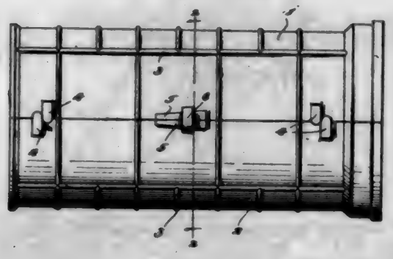
1. In a roasting furnace, the combination with a central shaft, of a rabble arm comprising a casting extending through the wall of the shaft and a continuous pipe for circulation of a cooling medium extending through the casting and terminating at the inner end of the arm, the casting solidly surrounding the pipe.

1,535,161. BRIDLE FOR BROOM HEADS. CHARLES H. KEYES, Albany, N. Y. Filed Sept. 4, 1924. Serial No. 735,878. 1 Claim. (Cl. 15—174.)



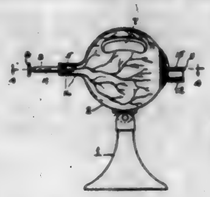
A broom head bridle comprising a band of galvanized metal, one end thereof being provided with spaced openings, the other free end of the band being reduced, said reduced end being bent back upon itself to provide a tongue, said tongue adapted for interlocking engagement with one of said openings.

1,535,162. CULVERT PIPE. CHARLES G. KIMM, Crestline, Ohio, assignor to The Burch Flow Works Co., Crestline, Ohio, a Corporation of Ohio. Filed Apr. 10, 1923. Serial No. 631,225. 3 Claims. (Cl. 137—75.)



1. In a culvert, the combination of mating substantially semi-cylindrical sections, longitudinally tapered mating projections upon the exterior surface of said sections, a clamp constructed to engage over said projections whereby to bind the pipe sections together against vertical separation, and interengaging lugs carried by the semi-cylindrical sections and disposed on opposite sides of the mating projections at substantially right angles thereto for preventing independent endwise movement of said semi-cylindrical sections, the free ends of said lugs being curved to assist in guiding the sections when the latter are brought together to form a culvert.

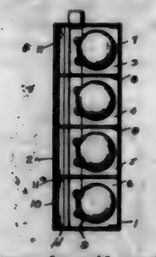
1,535,163. OPTICAL DEMONSTRATING DEVICE. ALCUIN E. KINTNER, Painesville, Ohio, assignor to The W. A. Jones Optical Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 8, 1923. Serial No. 617,714. 2 Claims. (Cl. 35—16.)



1. In an optical demonstrating device, the combination of a hollow member adapted to represent an eyeball and having apertures at the front and in the rear thereof, respectively, a lens in such front aperture adapted to represent the pupil of the eye, a rod longitudinally movably mounted in such rear aperture, a disk on said rod and lying within said member adapted to represent the fundus of the eye, said rod and disk being movable to show optical defects, and holding means mounted on said member and adapted to receive eyeglass lenses to correct the optical defects simulated by thus moving said disk, said holding means being so positioned as to place a lens held thereby in alignment with the apertures in said member and the latter being formed to permit observation of said disk.

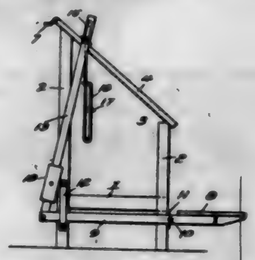
1,535,164. MOTOR-VEHICLE SIGNAL. CHARLES F. KLINGEL, Irvington, N. J. Filed Oct. 3, 1921. Serial No. 504,944. 1 Claim. (Cl. 177—329.)

A display device comprising a casing, a partition dividing said casing into a plurality of compartments, said casing having its front wall in the form of a hinged door, transparent panels carried by said door, a U-shaped element carried by said door at its inner side provided



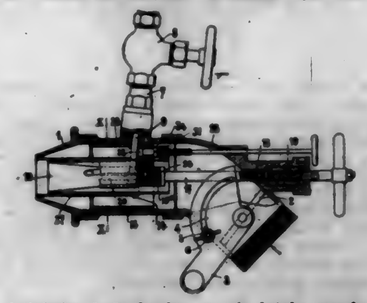
with securing flanges for said panels, and the bight of the U-shaped element being in line with and adapted to receive the forward edge of the partition.

1,535,165. FEED BOX FOR STOCK. JOSEPH V. KOBERRICH and LEO J. HAUSER, Epworth, Iowa. Filed June 4, 1924. Serial No. 717,750. 1 Claim. (Cl. 119—62.)



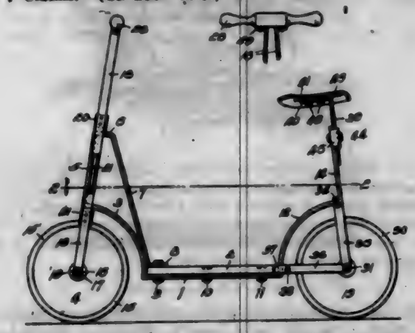
An animal controlled feed box comprising an open top box, an inclined gravity lowered cover for said box pivotally connected to the latter at one end, a pivotally mounted animal depressed platform, vertically disposed push rods, pivotal connections between said push rods and platform, sliding connections between the upper ends of said push rods and said cover, depending slides connected with said sliding connections, and combined stop and guide eyes through which said slides pass.

1,535,166. FLUID-FUEL BURNER. HENRI LECONTE and LOUIS HIRSCH, Paris, France. Filed June 11, 1923. Serial No. 644,718. 2 Claims. (Cl. 158—76.)



1. A tubular body having an air intake member and also having a frusto-conical nozzle, a sleeve of slightly less diameter than the interior diameter of said body and arranged concentrically and slidably therein and provided with an abutment and also provided with a slot, a tube concentrically arranged in the body and nozzle, a mixing tube in said tube and provided with longitudinal slots, a pulverizing member arranged in said mixing tube and having lateral ribs extending through the slots in said mixing tube and centered in said first mentioned tube, the said pulverizing member having ducts leading to the exterior thereof, a fuel duct to supply fuel to the ducts of the pulverizing member, means to adjust the pulverizing member and the first mentioned tube longitudinally in the body and nozzle of the burner, and means to adjust said mixing tube longitudinally with respect to said first named tube and said pulverizing member.

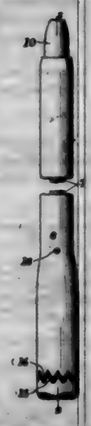
1,535,167. SCOOTER. CHRISTOPHER H. LOVELL, St. Louis, Mo. Filed Oct. 2, 1922. Serial No. 591,827. 7 Claims. (Cl. 280—87.5.)



1. In a vehicle of the class described, a wheel supported frame consisting of a single strap iron member formed to provide a running board supporting section, front and rear wheel guard sections and a front wheel steering mechanism supporting section, and a separate connecting section between the rear wheel and the single member frame.

6. A scooter comprising a main frame formed from a single flat metallic band having curved front and rear ends, an angular connecting frame formed from a single flat metallic band fixed to the rear curved end of the main frame, a wheel carried by the angular connecting frame, a steering mechanism pivotally supported at the forward end of said main frame and a wheel carried by the steering mechanism.

1,535,168. BLOW IRON. GEORGE V. MCCAULEY, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 621,894. 8 Claims. (Cl. 49—21.)



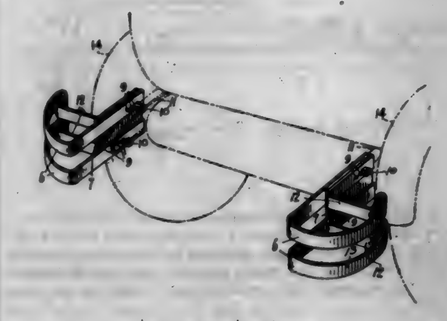
7. A gathering blow-iron having tensioned means on its gathering end for compressing a portion of the material into which the blow-iron is dipped.

1,535,169. VEHICLE BUMPER. WILLIAM R. MCGOWEN, Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 9, 1924. Serial No. 691,665. 7 Claims. (Cl. 293—55.)



1. A bumper comprising a bar, a pair of springs, each having one end bent to semi-circular form, and its other end extending in the general direction of said bar, and means for pivotally connecting said ends to said bar.

1,535,170. FENDER GUARD. WILLIAM R. MCGOWEN, Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 9, 1924. Serial No. 691,666. 5 Claims. (Cl. 293—55.)



1. An impact member for vehicles comprising a one-piece, recurved strap of yielding material, its outer looped end being inturned and disposed substantially parallel to the longitudinal center line of the vehicle, and its inner end portions being adapted to be secured to the frame of the vehicle.

1,535,171. ADJUSTABLE BUMPER FOR VEHICLES. WILLIAM R. MCGOWEN, Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Mar. 13, 1924. Serial No. 698,980. 4 Claims. (Cl. 293—55.)



2. A bracket device comprising a member having longitudinally spaced connecting portions, each of said portions extending vertically for a distance sufficient to permit of vertical adjustment of said device, the said portions being adapted for connection to members to which said device is to be secured.

1,535,172. VEHICLE BUMPER. WILLIAM R. MCGOWEN, Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Mar. 13, 1924. Serial No. 698,981. 7 Claims. (Cl. 293—55.)

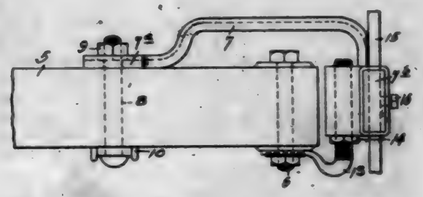
1. The combination with a bumper bar for vehicles, of a strap member having one end thereof secured to said

bar and extending in the same general direction as the bar, the other end of said strap being bent at right



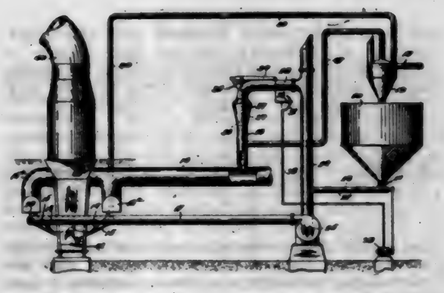
angles to the body portion thereof, and lying in a plane vertically offset with respect to the bar, and serving as a bracket for attachment to a vehicle.

1,535,173. BUMPER BRACKET. WILLIAM R. McGOWEN, McKees Rocks, Pa., assignor to United States Chain & Forging Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Dec. 11, 1924. Serial No. 755,253. 7 Claims. (Cl. 293—55.)



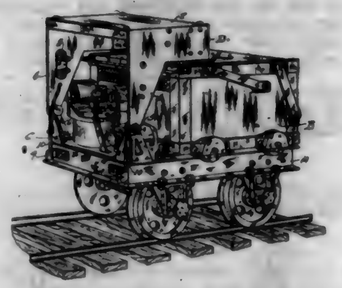
1. Bracket structure comprising laterally spaced members adapted to be disposed at opposite sides of an automobile frame, one of said members having screw threaded engagement with the other member, for lateral adjustment, and means for securing said members to said frame.

1,535,174. ART OF FEEDING POWDERED COAL TO BLAST FURNACES. ALEXANDER GRANT McGREGOR, Warren, Ariz. Filed Sept. 29, 1920. Serial No. 413,595. 7 Claims. (Cl. 266—28.)



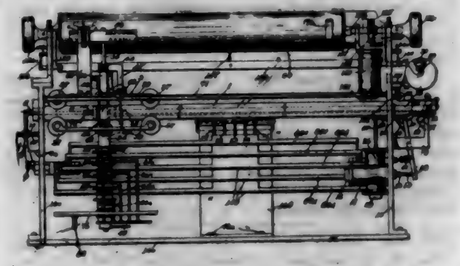
1. The herein-described method of delivering powdered fuel to a blast furnace, consisting in introducing the said fuel into the furnace through a fuel pipe or passageway communicating with the main air blast pipe or passageway, and increasing the air pressure in the said fuel pipe or passageway to a sufficient extent to enable the fuel to be forced into the furnace against the air pressure developed therein from the said main air blast pipe.

1,535,175. ELECTRIC STORAGE-BATTERY LOCOMOTIVE. RAYMOND MANCHA, St. Louis, Mo., assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 689,038. 12 Claims. (Cl. 105—50.)



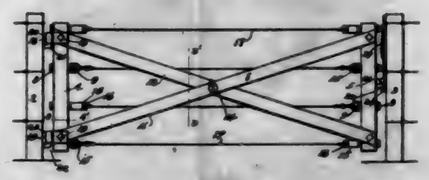
1. A storage battery locomotive, comprising a chassis, a battery box on said chassis, and a movable operator's platform which is adapted to be arranged in an operative position wherein it forms an extension on one end of the chassis and in an inoperative position wherein it is positioned above said battery box.

1,535,176. REMOTE-CONTROL TYPEWRITING MECHANISM. IRVING NACHUMSOHN, Winnipeg, Manitoba, Canada. Filed Aug. 12, 1922. Serial No. 581,510. 22 Claims. (Cl. 178—33.)



15. In a device of the character described, means for sustaining the form to be impressed, a rotatably mounted type carrier arranged for transverse movement relative to said form, selectively controlled permutation means movable with said type carrier and electro-responsive members for controlling the operation of said permutation means during transverse progression of said type carrier.

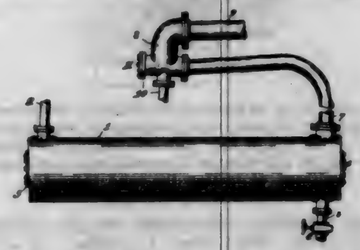
1,535,177. FARM GATE. ELEAZER PARKINSON, Yorkton, Saskatchewan, Canada. Filed Oct. 8, 1923. Serial No. 667,865. 2 Claims. (Cl. 256—73.)



1. A gate comprising a pair of spaced end uprights, a pair of crossed stay bars located at each side of the uprights and having the ends thereof connected to the upper and lower ends of the uprights by fastening bolts,

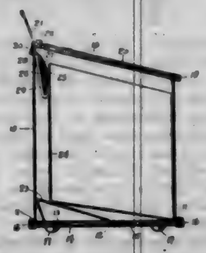
means connecting the pairs of stay bars at their points of intersection, said means maintaining the stay bars outwardly bowed, spaced adjusting bolts passing through the uprights and provided with adjusting nuts, straps mounted on the latter bolts between the nuts and the uprights and having their ends bent around the nuts and brought together at the inner ends of the latter bolts and tension wires conecting the opposing straps of the opposing uprights.

1,535,178. APPARATUS FOR CONVERTING HYDROCARBON OILS. ROBERT T. POLLOCK, Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Feb. 16, 1920. Serial No. 358,900. 3 Claims. (Cl. 196—107.)



1. An expansion chamber of the character described, comprising an inclined elongated vapor chamber, an inlet pipe leading thereto near one end for introducing oil at a cracking temperature to said chamber, a residuum drawoff pipe leading from the vapor chamber, a vapor outlet from said chamber said residuum drawoff pipe and vapor outlet leading from said chamber at the opposite end of said chamber to the inlet pipe, the condensible gases and precipitated carbon accumulating in said chamber flowing into the inclined end thereof and being of its greatest depth adjacent the oil inlet, and being removed through said residuum discharge pipe at the opposite end of said chamber.

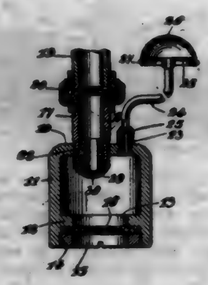
1,535,179. COUNTER DISPLAY CASE. MORRIS POSES, Brooklyn, and MORRIS LUBART, New York, N. Y. Filed June 27, 1924. Serial No. 722,637. 2 Claims. (Cl. 211—25.)



1. A receptacle of the character described, having upright walls whose lower edges flange outward, a bottom comprising layers of sheet metal and an interposed cardboard layer, the edges of said bottom conforming with the edges of the flanges, and channel pieces tightly embracing said flanges and the edges of the bottom to hold the sides and bottom together.

1,535,180. LIQUID-DISPENSING DEVICE. WILLIAM H. ROSE, Jersey City, N. J. Filed Nov. 4, 1924. Serial No. 747,878. 4 Claims. (Cl. 221—94.)

1. In a liquid dispensing device, in combination, a receptacle having an exit opening therein, a resilient member covering the exit opening and having a slit valve therein, the slit remaining normally closed but being capable of opening upon pressure exerted upon a liquid within the receptacle, means for retaining the slit valve over the exit opening, a liquid supply receptacle, a conduit connecting the supply receptacle to the receptacle, a conduit connecting the receptacle with an intermittent pressure exerting device and a device capable of exerting an intermittent pressure upon a liquid within the receptacle.

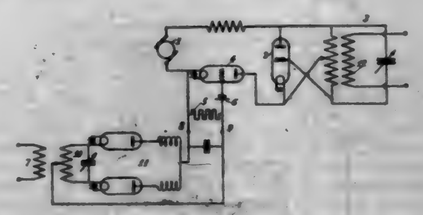


1,535,181. GOLF-BALL TEE OR SUPPORT. BURNSIDE ELLSWORTH SAWYER, Fitchburg, Mass. Filed Sept. 8, 1924. Serial No. 736,511. 3 Claims. (Cl. 273—33.)



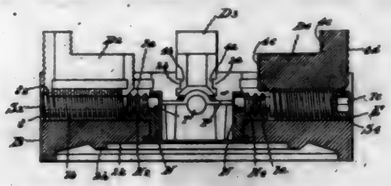
3. A golf tee made of thin resilient material having a hole or depression at apex suitable to support a golf ball and a cut or opening extending through one side wall to the center; the wall of said tee to be at such an angle to the horizontal plane that when the driving club strikes this wall, it will collapse the tee, and slide over it without projecting it with the ball.

1,535,182. ARRANGEMENT FOR AMPLIFYING HIGH-FREQUENCY CURRENTS. WALTER SCHAFFER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Aug. 18, 1922. Serial No. 582,609. 4 Claims. (Cl. 179—171.)



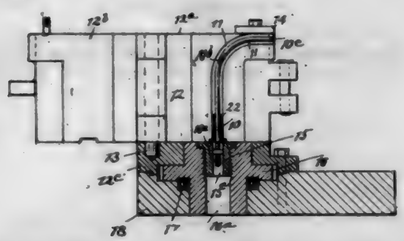
1. An arrangement for amplifying alternating currents comprising alternate amplifiers and frequency transformers, each of said transformers comprising a vacuum tube having a grid, a receiving circuit connected to the grid and a rectifier in the receiving circuit connected directly with the grid for causing direct current potential in proportion to the received energy to be impressed on the grid and for preventing any back effect of the transformer on the preceding amplifiers.

1,535,183. LATHE CHUCK. FRANK C. SMART, Hartford, Conn. Filed Nov. 18, 1919. Serial No. 338,801. 21 Claims. (Cl. 279—112.)



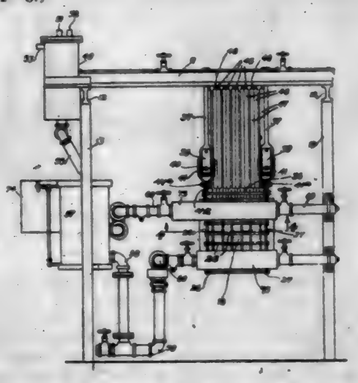
1. In a chuck, in combination, a body-member; a series of thrust bearings; jaw-actuating screws operative in said body-member provided with means for engaging said thrust bearings; work-engaging jaws located in said body-member and actuatable by said screws; and wedging means for exerting axial pressure on said thrust bearings.

1,535,184. PROCESS AND APPARATUS FOR THREADING NUTS. ROY H. SMITH, Kent, Ohio. Filed July 14, 1921. Serial No. 484,571. 9 Claims. (Cl. 10—129.)



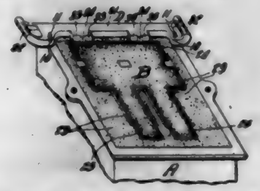
4. The method of tapping nuts with a threading tool having an offset portion which comprises causing the blanks to pass from one end of the tool to the other from the offset portion to the threading portion and along the threading portion of the tool to form the threads, and to leave the tool immediately after being threaded.

1,535,185. ELECTROLYTIC APPARATUS. CLARENCE G. SPENCER, New York, N. Y., assignor, by mesne assignments, to John P. Scott, Toronto, Canada. Filed Jan. 26, 1920, Serial No. 354,015. Renewed Mar. 10, 1922. Serial No. 542,815. 21 Claims. (Cl. 204—5.)



1. Electrolytic apparatus comprising, in combination, a plurality of dished half-cell sections, each having a marginal abutment flange projecting outwardly beyond the dished portion, assembled in cooperating pairs with a separating diaphragm interposed between the sections of each pair, and means holding the assemblage together in a unitary structure with the flanges of each pair of sections pressed tightly against their separating diaphragm.

1,535,186. CORE FOR CASTING MOLDS. JOHN T. STONEY, Lakewood, Ohio. Filed Dec. 10, 1923. Serial No. 679,604. 6 Claims. Cl. 22—165.)



1. A core for a casting mold having an arbor within the boundaries of said core, portions of said arbor extending to the end of said core and provided with apertures to permit of taking hold of said arbor for handling said core without contacting the sand thereof.

1,535,187. DENTAL HANDPIECE. WALTER J. TERRY, Seattle, Wash. Filed Sept. 14, 1923. Serial No. 662,764. 3 Claims. (Cl. 32—15.)

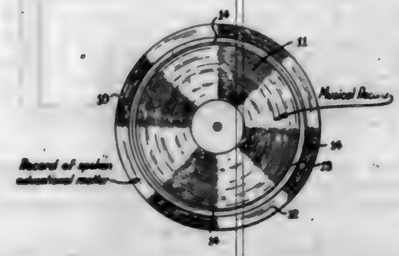


1. A dental handpiece having a non-corrosive spindle, a sheath with its outer surface knurled around the spindle, a bracket for supporting the sheath and spindle, means for holding the spindle and sheath in the bracket, means for holding implements in the lower end of the spindle, a pulley at the upper end of the spindle having the inner edges of its grooves rounded and a knurled surface on one side of the groove, other pulleys mounted in a universal joint at the end of the bracket, and a suitable attachment that may be placed on the lower end of the handpiece in which suitable chucks may be placed for holding implements of different types; said attachment being made in two sections which are held together by a collar having threaded shanks on each end that screw into threaded holes in the sections and said collar forming a bearing for a shaft that may be gripped in the lower end of the handpiece spindle so that it will rotate with it, which shaft has a pinion on its opposite end that meshes with a pinion on the chuck spindle.

1,535,188. EDUCATIONAL RECORD. MILTON E. THOMPSON, Ridgway, Pa. Filed Oct. 12, 1922. Serial No. 594,020. 1 Claim. (Cl. 274—42).

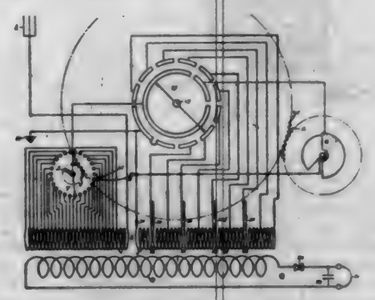
A talking machine record carrying on one surface a plurality of sound records each of which is a complete record in itself, the individual records being associated

with portions of a spiral groove, the portions being radially displaced from each other and separated by an annular band of plane surface free of any sound record,



the width of the band being sufficient to make it plainly visible, and a stylus guiding spiral groove to connect the adjacent individual records, the pitch of the guiding groove being greater than that of the record grooves.

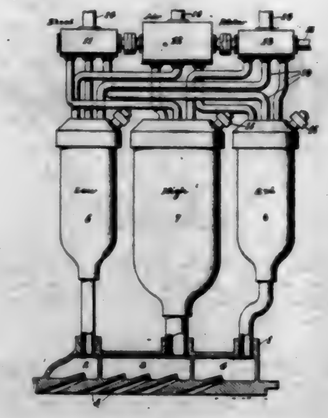
1,535,189. RADIO COMMUNICATION APPARATUS. ROY E. THOMPSON, New York, N. Y., assignor, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J., a Corporation of New York. Filed Mar. 7, 1919. Serial No. 281,113. 18 Claims. (Cl. 250—40.)



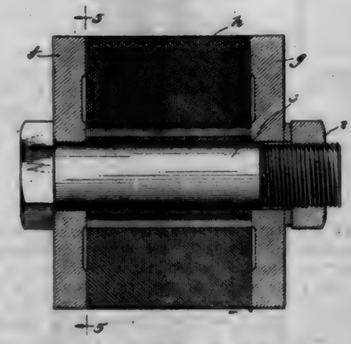
4. A system of the character described comprising an oscillation circuit, an inductance therein, a variable condenser in said circuit, mechanically and electrically interconnected switches respectively tapped to unit sections of a part of said inductance and to multiple section of another part of said inductance, and coordinated to permit of the cycle of operation of the unit switch to be repeated for each stage of operation of the multiple switch, means actuated jointly with said switches to progressively vary the capacity of said condenser effective in said circuit, and means controlled by the operation of certain of said switches to cut said condenser out of said circuit; all whereby the operation of said system progressively varies the wave length of said circuit over a wide range.

1,535,190. TORPEDO. THOMAS E. VAN METER, Newport, R. I., assignor to Government of the United States. Filed Mar. 14, 1922. Serial No. 543,786. 2 Claims. (Cl. 60—46.)

1. In an apparatus of the character described, in combination, a turbine nozzle provided with a plurality of chambers, a combustion flask connected with each of said chambers, a plurality of valves for fuel, air and water respectively, each valve having ports corresponding to the number of combustion flasks, and a means whereby said valves are actuated to conduct fuel, air and water to one or more of said combustion flasks as desired according to the setting of said means.



1,535,191. METHOD OF CONSTRUCTING CLUTCH DISKS. ERNEST E. WEMP, Detroit, Mich. Filed Feb. 15, 1924. Serial No. 693,055. 2 Claims. (Cl. 148—12.)

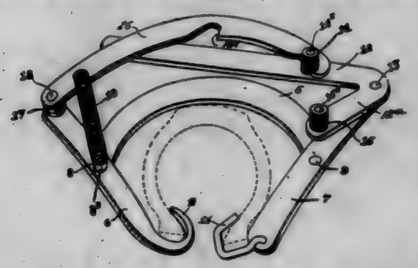


1. The method of treating clutch disks, which comprises the heating of such disks with a heat approximating from 1450 to 1500 degrees Fahrenheit, the quenching of the disks separately in oil, and then the arranging of the disks in stacks and subjecting them to strains calculated to deform them from their then present condition, then subjecting the same to a heating operation calculated to release such deforming strains, and allowing the disks to set in such deformed relation when the same cools.

1,535,192. TIRE SPREADER. STEPHEN B. WILBUR, Akron, Ohio. Filed Mar. 17, 1923. Serial No. 625,744. 3 Claims. (Cl. 152—27.)

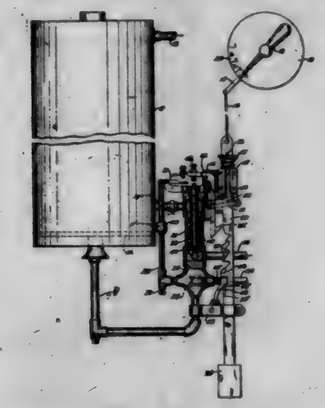
2. In a device of the class described, an arcuate central member, arms pivotally secured to each end thereof so as to swing in approximately the same plane; means on the lower ends of each arm to engage the inner cir-

cumferential edge of a tire, a rigid strap hinged to the upper end of one of said arms, a lever fulcrumed on the upper end of the other arm, notches in said strap, said



lever provided with members adapted to be received in said notches whereby the said strap may be engaged by the lever and the lever operated to spread the lower ends of said arms.

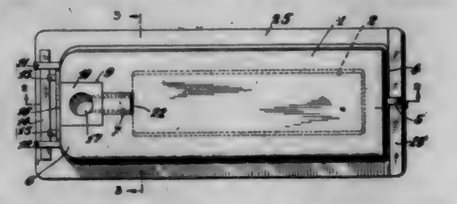
1,535,193. AUTOMATIC WATER-HEATER CONTROLLER. ALFRED WILD, Milwaukee, Wis. Filed Jan. 18, 1924. Serial No. 687,116. 8 Claims. (Cl. 126—35.)



1. An automatic water heater controller, comprising a water heater having a gas burner and means for lighting the same, a boiler and a controller to which the water pipes of the heater are connected to provide a back and forth circulation of water from the heater to the boiler and through the controller, a thermostatic means controlled by the temperature of the circulated water for stopping the supply of gas to the burner when the temperature of the water flowing through the controller reaches a predetermined degree, means indicating different temperatures and easily operable from a distant point for selecting the degree of temperature at which the supply of gas to the burner will be stopped, and a pilot light thermostatic means coacting with the first mentioned thermostatic means and the distant point operating means for stopping the supply of gas to the burner when the lighting means is not in operation.

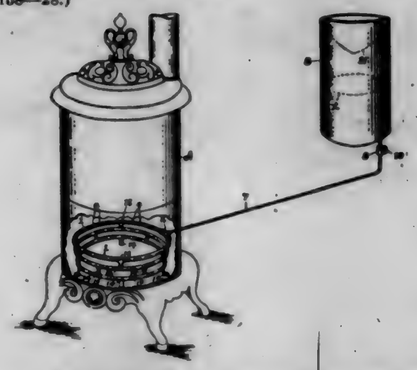
1,535,194. METHOD OF CASTING AND MOLD. EDWARD H. WILLIAMS, Sharon, Pa., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,230. 25 Claims. (Cl. 22—143.)

1. The method of casting steel ingots in horizontal molds which comprises providing a chill for the upper surface of the mold matrix, arranging a gas outlet in the highest part of the matrix, and inclining the upper surface of the mold matrix to the horizontal and toward



the gas outlet with the lower limit of inclination being substantially one degree from the horizontal, and introducing the molten steel into one end of the matrix.

1,535,195. OIL-BURNING SYSTEM. CLEATUS J. ABRAHAM and MARK A. NORRIS, near Richmond, Ind. Filed Feb. 27, 1925. Serial No. 11,972. 4 Claims. (Cl. 158—28.)



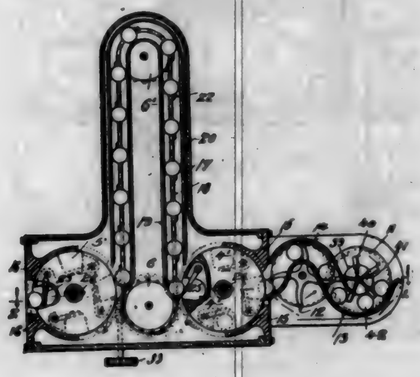
1. An oil burning system comprising a circular fuel pipe having a plurality of exit apertures leading from its interior through its inner periphery, a three-way fitting connecting the ends of the fuel pipe, a supply pipe leading into said fitting and extending from a fuel reservoir, a valve for controlling the flow of fuel from the reservoir into the fuel pipe, a generator ring located below the fuel pipe and parallel therewith but of less diameter than the fuel pipe, means for supporting the generator ring in horizontal position, and means carried by the generator ring for supporting the fuel pipe.

1,535,196. WHEEL RIM. CHARLES S. ASH, Hagerstown, Md. Filed May 13, 1920. Serial No. 381,101. 1 Claim. (Cl. 152—21.)



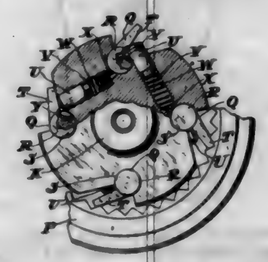
The combination with a wheel rim having on one edge a tire retaining flange and on the other edge a depressed flange adapted to serve as a nipple seat, said depressed flange having an inclined extension converging toward the wheel axis, of a split ring comprising a tire retaining flange adapted to seat on the edge of said rim and a flange adapted to engage with said inclined extension.

1,535,197. CONTINUOUS COOKER. NEILS P. BACH, Millburn, N. J., assignor, by mesne assignments, to Thermokept Corporation, a Corporation of Delaware. Filed Feb. 28, 1921. Serial No. 448,479. 6 Claims. (Cl. 126—272.)



1. In a continuous cooker mechanism, the combination of a cooker chamber, means including a pressure sealed valve for feeding a continuous stream of containers into said chamber, means for advancing said containers through said chamber, and means for continuously removing said containers from said chamber while maintaining a cooking pressure within said chamber.

1,535,198. ROTATION FOR ROCK DRILLS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 18, 1924. Serial No. 693,470. 2 Claims. (Cl. 121—7.)

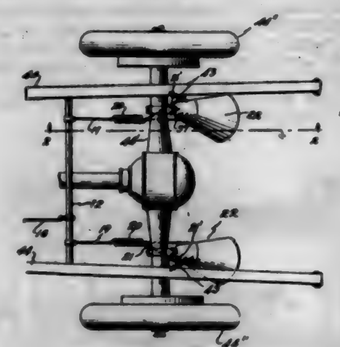


1. In a rock drill, automatic rotation mechanism comprising a rifle bar having a head, a ratchet ring encircling said head, pawls mounted in said head and cooperating with said ratchet ring to prevent rotation of said rifle bar in one direction, spring pressed plungers for said pawls, said pawls being notched to admit said plungers whereby said pawls are locked against removal from said head.

1,535,199. INGOT MOLD AND METHOD OF MAKING SAME. RAY G. COATES, Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Aug. 17, 1922. Serial No. 582,545. 13 Claims. (Cl. 22—140.)

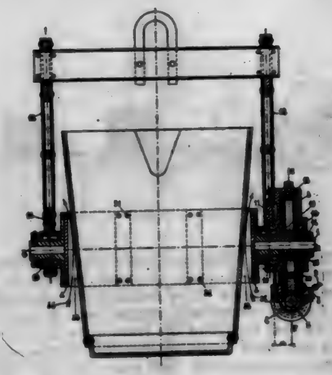
1. A cast metallic ingot mold having the inner portion of its walls in a state of tension in all directions in planes parallel with the surface of the matrix of said mold when said mold is at normal temperature.

1,535,200. NONSKID GRIPPING MEMBER. LOUIS A. COLELLA and SAMUEL ZEFF, Detroit, Mich. Filed Mar. 5, 1924. Serial No. 696,968. 5 Claims. (Cl. 188—5.)



1. An anti-skidding device adapted for use with a vehicle and comprising semi-bell shaped contact members formed from yieldable material; steel reinforcing members mounted in said yieldable material; a rocking cap attached to the upper portion of said yieldable material; means for mounting said cap swingingly on the axle of a vehicle; means for swinging said contact members into engagement with the surface over which the vehicle is being propelled; and means for normally maintaining said contact members free from engagement with said surface.

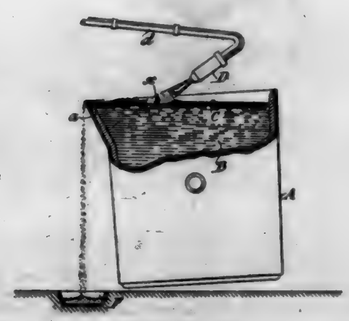
1,535,201. POURING LADLE. ADOLPHE COLLIN, Ougree, and DIEUDONNÉ JEUNEHOMME, Jemeppe, Belgium. Filed Jan. 6, 1922. Serial No. 527,453. 13 Claims. (Cl. 22—82.)



1. In a pouring ladle, the combination of, a supporting arm for the ladle; a ring secured to the ladle; a horizontally extending trunnion secured to said ring; tilting mechanism cooperating with said trunnion; a housing for said mechanism, the mechanism being controlled from the exterior of the housing; roller bearings

for the trunnion; and race-ways for the roller bearings on either side of said housing, the race-ways being movable vertically on the housing.

1,535,202. METHOD OF REMOVING SLAG AND OF NEUTRALIZING FUMES ARISING IN TREATMENT OF MOLTEN METALS. FREDERICK CONLIN, Westfield, N. J., assignor to John T. Pratt, New York, N. Y., Daniel D. Jackson, Brooklyn, N. Y., and Joseph D. Sears, Bloomfield, N. J., Joint Trustees, constituting a New York Trust Estate. Filed Jan. 5, 1923. Serial No. 610,776. 9 Claims. (Cl. 75—197.)



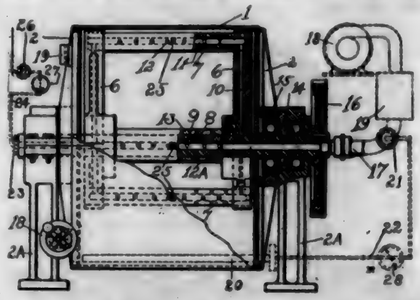
1. A method of removing slag or residue, comprising blowing off the slag with a substantially neutral or reducing gas jet.

1,535,203. METHOD AND APPARATUS FOR HANDLING FREIGHT. CLEO BRENTON COOK, East Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 12, 1923. Serial No. 624,582. 11 Claims. (Cl. 214—38.)



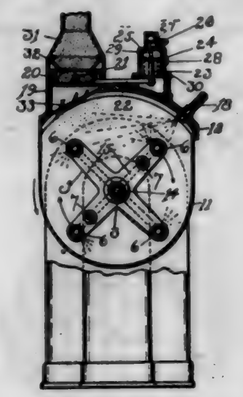
1. The method of handling freight which includes the steps of making up a train of small trailers of convenient size to be drawn by an industrial truck, coupling a tractor thereto, comprising a platform lifting truck, by raising the first trailer of the train upon the elevating platform of the truck while the trailer remains coupled to the train, transporting the train to the railroad freight loading location of the contents of the first trailer, disconnecting the truck from the train while maintaining said first trailer upon the truck platform, transporting said freight while upon the trailer to the trailer unloading position, depositing the trailer with the feight thereon, returning the truck to the train, and repeating the coupling operation by engaging the then first trailer of the train in the manner described in the first step.

1,535,204. APPARATUS FOR MIXING BREAD. WILLIAM A. DARRAH, Chicago, Ill., assignor to The Ekco Engineering Company, Chicago, Ill. Filed Aug. 14, 1920. Serial No. 403,482. 3 Claims. (Cl. 107—31.)



1. A dough mixer comprising a shell, a channeled shaft rotatable therein, a beater system carried on said shaft and channels for introducing both cold air and water into the interior of the dough within said mixer.

1,535,205. METHOD OF MIXING DOUGH AND APPARATUS THEREFOR. WILLIAM A. DARRAH, Chicago, Ill., assignor to The Ekco Engineering Company, Chicago, Ill. Filed Aug. 20, 1921. Serial No. 493,873. 3 Claims. (Cl. 107—31.)



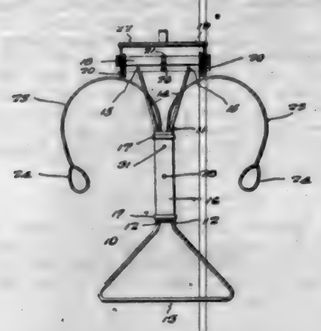
1. The process of making dough which consists in causing finely divided flour to fall with a mist of cold water into a dough mixer, and agitating the resultant product sufficiently to materially increase its temperature in the presence of a stream of cold air.

3. A dough mixer comprising a mixing bowl, a mechanically driven beater system revolvable therein, means for passing air into said dough through said beater system, means for spraying cold water into said dough, and a flour sifting device arranged adjacent to said mixer but operated independently of said mixer.

1,535,206. HARMONICA HOLDER. ELIAS DAVIDSON, Grantsburg, Wis. Filed Jan. 26, 1923. Serial No. 615,080. 1 Claim. (Cl. 84—379.)

A device of the character described comprising a wire frame for disposition against a human body and having intermediate parallel portions, a rectangular member arranged between the intermediate parallel portions and provided with longitudinal grooves in its longitudinal edges which receive the parallel portions of the frame,

a plate carried by the upper end of the frame and provided with clamping means for holding a musical instrument, and a pair of vertically adjustable and rotatable arms supported in the rectangular member, the arms being longitudinally bowed and adapted to resiliently engage the shoulders of the person.

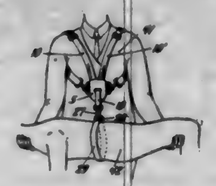


1,535,207. SHOE. JOHN T. DORFF, Dundalk, Md. Filed Aug. 26, 1922. Serial No. 584,453. 5 Claims. (Cl. 36—1.)



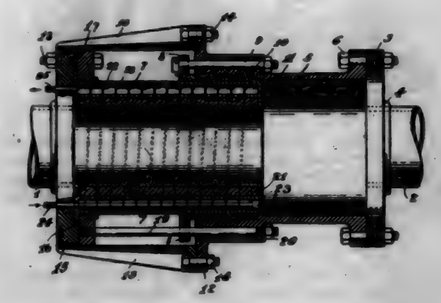
1. A shoe comprising an upper and an outer sole, an auxiliary sole of flexible non-metallic material said soles being formed of materials which are poor conductors of heat, a series of transverse flexible cleats interposed between the outer and auxiliary soles and extending from one edge to the other of said soles, and forming air passages for the free circulation of air between them, and means for attaching the soles and cleats together.

1,535,208. BODY LIFTER. HOMER H. DRENNAN, Connersville, Ind., assignor to Undertakers' Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 7, 1922. Serial No. 527,672. 4 Claims. (Cl. 224—6.)



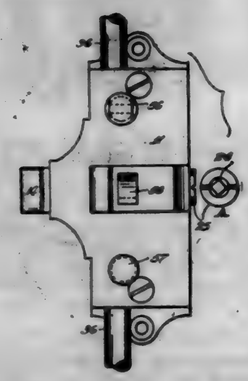
1. The combination of a lifting harness comprising a central supporting member, a pair of adjustable shoulder straps secured thereto and a flexible member depending therefrom, a band of flexible material adapted to be passed around an object, said band having means for detachably securing the ends thereof together whereby the same may be formed into a loop, and means for detachably connecting said band to said flexible member.

1,535,209. EXPANSION JOINT. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Apr. 4, 1921. Serial No. 458,371. 4 Claims. (Cl. 285—135.)



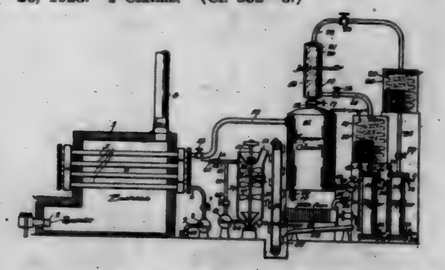
1. In an expansion joint the combination with telescopic members, conduits connected to each of said members, a packing interposed between said telescopic members to permit relative movements thereof while maintaining a sealed connection therebetween, one of said members being formed with an elongated annular jacket therein around the exterior of which said packing seats, and means for introducing a cooling liquid to said jacket, said member also having an annular recess located interiorly of the jacket and insulating material disposed within said recess.

1,535,210. EXIT DOOR LOCK. HARRY W. DYER, East Orange, N. J. Filed Sept. 3, 1921. Serial No. 498,315. 11 Claims. (Cl. 70—74.)



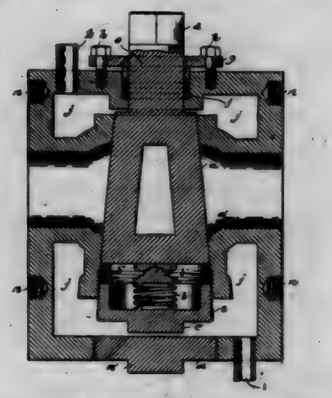
1. In a door lock of the class described, the combination of a locking mechanism having a sliding bolt with a hollow section, a shaft upon which said bolt slides longitudinally, passing through said hollow section and means on said shaft arranged to be positioned by turning said shaft to engage the sides of said hollow section whereby the movement of said sliding bolt is controlled.

1,535,211. PROCESS AND APPARATUS FOR TREATING OIL. GUSTAV EGLOFF and HARRY P. BENNER, Chicago, Ill., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Oct. 23, 1920, Serial No. 419,058. Renewed Oct. 26, 1923. 4 Claims. (Cl. 252—8.)



4. A process of producing purified carbon consisting in cracking petroleum oil, precipitating the carbon thereby produced, withdrawing the carbon containing oil, passing it through a filter, removing the carbon from the filter and subjecting it to the action of solvents.

1,535,212. PLUG COCK. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Apr. 1, 1921. Serial No. 457,795. 1 Claim. (Cl. 251—112.)



In a plug cock, the combination with a casing having a water jacket therein with water inlets and outlets in communication therewith, a valve cock mounted within the inner wall of said casing and having a turning portion extending through the outer wall thereof, said inner wall having an extension projecting therefrom in the water jacket, a cap adjustably mounted in said extension, a yieldable support for said valve seated on said cap and engaging the valve, and a removable plug in the exterior wall of the casing to permit adjustment of said cap.

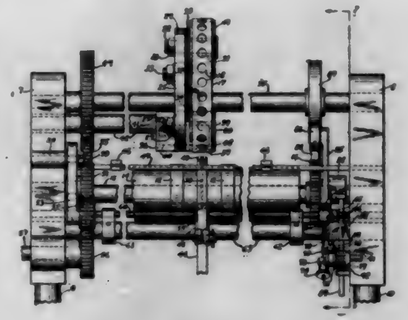
1,535,213. PROCESS FOR TREATING ACID-SLUDGE OILS. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed May 16, 1921. Serial No. 470,035. 4 Claims. (Cl. 23—173.)

1. A process of removing from acid sludge oils such constituents as sulphuric acid, other acids and oily substances, consisting in distilling an acid sludge oil under a vacuum of at leat '2 inches and in separately collecting such constituents.

1,535,214. PROCESS OF PRODUCING LAMPBLACK. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 27, 1921. Serial No. 480,838. 3 Claims. (Cl. 134—60.)

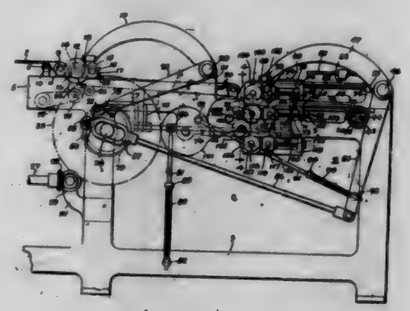
1. The process of manufacturing lamp black, comprising discharging residual oil from a still into a second treating still, and there injecting into said oil, while at a temperature above its flash point, air in sufficient quantities to cause a partial combustion thereof, but limiting the introduction of air so as to permit the reaction to be carried on only to the stage where lamp black is produced.

1,535,215. SHEET FEEDER. HARRY EHLIG, Pearl River, N. Y., assignor to George R. Swart & Company, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 25, 1922. Serial No. 603,163. 14 Claims. (Cl. 271—28.)



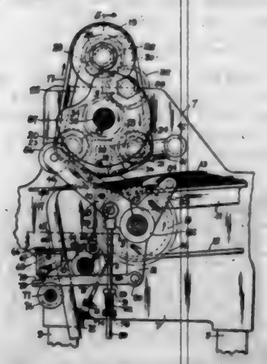
1. In a continuous sheet-feeder, a constantly moving suction feed-belt for advancing the successive sheets from the front margin of the bank by applying suction continuously thereto.

1,535,216. FOLDING AND SLITTING MACHINE. HARRY EHLIG, Pearl River, N. Y., assignor to George R. Swart & Company, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 22, 1923. Serial No. 682,351. 21 Claims. (Cl. 270—80.)



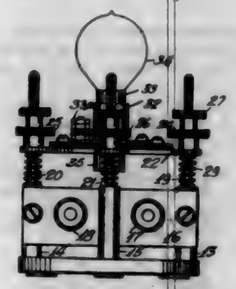
1. In a machine of the class described, separate sheet folding and positioning devices, a cooperating sheet-slitting mechanism, and means for collectively moving said folding and positioning devices from and into operative position with the slitting mechanism.

1,535,217. SHEET FEEDER. HARRY EHLIG, Pearl River, N. Y., assignor to George R. Swart & Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Nov. 25, 1922, Serial No. 603,163. Divided and this application filed Aug. 20, 1924. Serial No. 735,113. 22 Claims. (Cl. 271—62.)



1. In a sheet-feeder, a feed-board, means for advancing a pile or bank of sheets along said feed-board, and means including a part bearing rearwardly against the edges of the sheets and controlled by the forward pressure of the top sheets for inaugurating the operation of said advancing means.

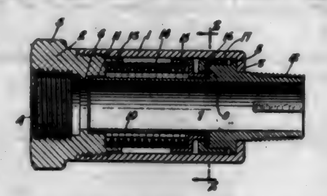
1,535,218. LAMP SUPPORT. EDWARD A. EVERETT, New York, N. Y. Filed Jan. 16, 1924. Serial No. 686,574. 4 Claims. (Cl. 240—44.)



1. In a device of the class described, the combination of a lamp housing with a lens, a supporting base in said housing, three upstanding studs in spaced relation on said base, a coil spring on each stud, a plate on said studs and resting upon said springs, a lamp base with a lamp secured to said plate and adjusting nuts on said studs for adjusting the position of said lamp relative to said lens, said studs being arranged on the base so as to be accessible from a fixed opening in said housing.

1,535,219. PIPE COUPLING. WILLIAM H. FULTON, Irvington, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co., a Corporation of New Jersey. Filed Aug. 15, 1919. Serial No. 317,642. 12 Claims. (Cl. 285—124.)

1. In a pipe coupling, the combination with a plurality of coupling members of a diaphragmatic means subjected to the fluid pressure within said coupling for preventing leakage between said members, said means



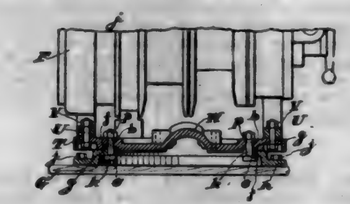
being secured to one of said members and unsecured to but bearing against the other of said members.

1,535,220. HEAT INSULATION. ALFRED HUGH GALLAGHER, Chicago, Ill. Filed Sept. 22, 1924. Serial No. 739,074. 10 Claims. (Cl. 20—4.)



1. A heat insulating structure comprising the combination of a pair of spaced walls, a heat insulating material lying between the walls, and means mounted on the wall for preventing the shifting of the material, this means including a row of spaced projections entering the material, each of which engages the material at a single point.

1,535,221. SWIVEL MOUNTING FOR HOISTS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 12, 1924. Serial No. 698,644. 3 Claims. (Cl. 248—30.)

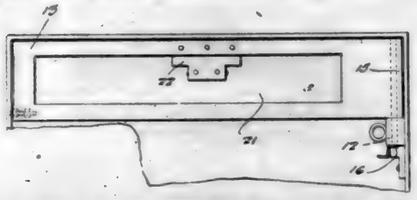


1. In a hoist, the combination of a base plate having an annular guideway, a bed plate, an upwardly extending annular flange on said bed plate cooperating with said guideway and adapted to enable said base plate to be rotated about said upwardly extending flange, and means rotatable with the base plate to prevent unseating of the base plate and for clamping said bed plate and base plate together against rotation.

1,535,222. GARMENT-HANGER-SUPPORTING MECHANISM FOR WARDROBE TRUNKS. WADE H. HARRISON, Petersburg, Va. Filed Jan. 18, 1924. Serial No. 687,053. 2 Claims. (Cl. 211—15.)

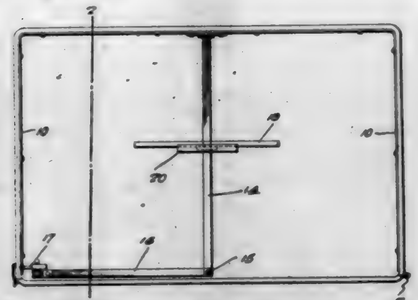
1. A garment hanger, including a plate provided with a channel, a bolt slidably mounted in the channel of the plate and having an angularly disposed extremity which is normally spaced from the end of the plate to limit the sliding movement of the bolt in relation to the plate, a frame pivoted upon the bolt, a bracket mounted upon the frame at a point between the ends thereof and having an inclined wall section and a horizontally disposed

wall section, a bar section pivotally mounted upon the bracket and removable over and engageable on the horizontal and inclined wall sections thereof so that the



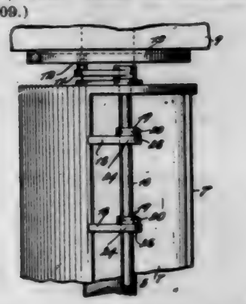
bar section may be supported in either an inclined position or a horizontally disposed position, and a second bar section pivotally connected with the first bar section and arranged horizontally with relation thereto.

1,535,223. GARMENT-HANGER SUPPORT FOR WARDROBE TRUNKS. WADE H. HARRISON, Petersburg, Va. Filed Jan. 18, 1924. Serial No. 687,055. 1 Claim. (Cl. 211—15.)



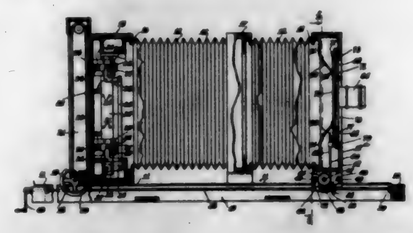
In combination with a body having a lid hingedly connected thereto, of a garment hanger structure supported in the body adjacent the lid, and a hanger detachably engaged with the hanger structure and carrying at its upper end a strip adapted to engage the under surface of the top wall of the lid when said lid is in a closed position over the body for preventing movement of the hanger on the hanger structure.

1,535,224. SHEET GRIPPERS. CHARLES W. HARROLD, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 7, 1921. Serial No. 506,169. 6 Claims. (Cl. 101—409.)



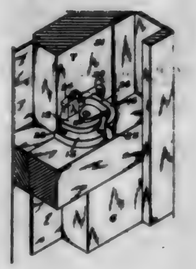
1. In a sheet-gripper mechanism, a sheet support, an oscillatable gripper-bar, a plurality of grippers rotatably mounted on said bar to close on said support, means, carried exteriorly by, and laterally adjustable, on said bar for variably and adjustably limiting the rotative movement of each of said grippers, means for opening and closing said grippers in unison including means for yieldingly compressing said grippers collectively on the said support, and resilient means between each gripper and said first mentioned means for holding the gripper in individual yielding contact with said support while closed, said resilient means normally forcing each gripper to its limit on said gripper-bar.

1,535,225. CAMERA. HOWARD R. HAYS and WILLIAM CORNELISSEN, Philadelphia, Pa., assignors to Howard S. Levy and Lionel F. Levy, both of Philadelphia, Pa. Filed Nov. 28, 1921. Serial No. 518,184. 4 Claims. (Cl. 95—45.)



1. In a camera of the character described, the combination with relatively adjustable front and back boxes of a closed frame for supporting said boxes, means disposed in the frame for controlling relative longitudinal adjustment of the boxes, and lens board adjusting means carried by the front box rearwardly of its forward extremity and cooperating with the controlling means to enable the said front box to be adjusted to the full capacity of the frame without meeting with obstruction from the said lens board adjusting means.

1,535,226. WINDOW-SASH FASTENER. THOMAS H. JACKSON, Philadelphia, Pa. Filed May 26, 1921. Serial No. 472,700. 2 Claims. (Cl. 292—242.)

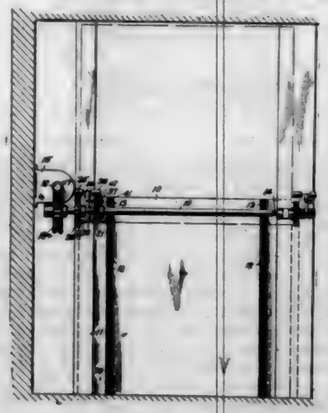


1. A fastener including a base adapted to be mounted on the upper surface of the lower window sash by means of upright screws, said fastener having a front flange with a straight upright surface, a latch with a trunnion movably secured to said base and having a locking tongue, spring means to engage said trunnion and hold said latch in positions, and a keeper mounted on the upright surface of the upper sash and having a slot for the reception of the tongue of said latch, said keeper including an upright surface substantially parallel and in engagement with the upright surface of said base flange to engage the same and stop tilting of said base on the lower sash and preventing withdrawal of the screws in said base.

1,535,227. PROCESS OF DESULPHURIZING IRON, STEEL, FERRO ALLOY, AND COMPOSITIONS OF MATTER FOR USE THEREIN. DANIEL D. JACKSON, Brooklyn, N. Y.; JOSEPH D. SEARS, Bloomfield, and FREDERICK CONLIN, Westfield, N. J., assignors to John T. Pratt, New York, N. Y.; Daniel D. Jackson, Brooklyn, N. Y.; and Joseph D. Sears, Bloomfield, N. J., trustees. Filed July 29, 1922. Serial No. 578,485. 18 Claims. (Cl. 75—49.)

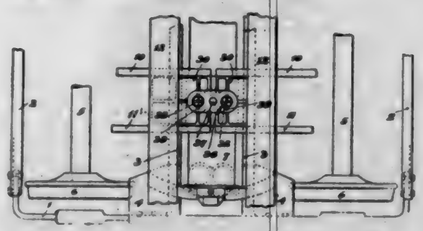
1. A process of desulphurizing comprising treating molten iron, steel, and ferro-alloys with an alkaline desulphurizing reagent having a desiliconizing effect and a silicon-alloy.

1,535,228. DOOR-OPERATING MECHANISM. ALEXANDER E. KRAMER, Brooklyn, N. Y. Filed June 15, 1923. Serial No. 645,631. 11 Claims. (Cl. 268—8.)



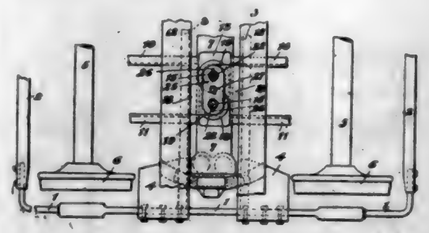
1. In mechanism of the character described a rigid door mounted for vertical movement bodily, a vertical rack secured to said door, revoluble means operatively connected to said rack for moving said door vertically, a clutch for causing said revoluble means to rotate to either direction and to stop the rotation of said revoluble means, a magnet for operating said clutch, and means for preventing said door from dropping of its own weight when said revoluble means is freed from said clutch.

1,535,229. CAR TRUCK. ELMER LATSHAW, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 15, 1923. Serial No. 674,856. 3 Claims. (Cl. 105—4.)



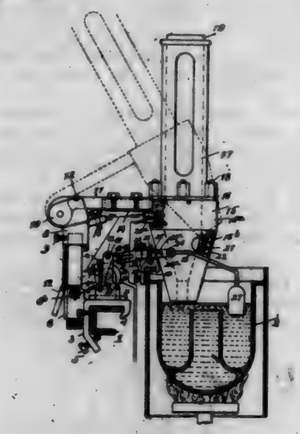
1. A mechanism of the class described comprising a car truck, a pair of car bodies having their ends supported on said truck, a pair of spaced pivot pins for connecting said car bodies with the truck, each of said pins having its lower end terminating in a ball-shaped member, a truck bolster, and a bearing member on said bolster for receiving the ball-shaped portions on the ends of the pivot pins.

1,535,230. CAR TRUCK, ELMER LATSHAW, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Nov. 15, 1923, Serial No. 674,856. Divided and this application filed Jan. 9, 1925. Serial No. 1,391. 6 Claims. (Cl. 105—4.)



1. A mechanism of the class described comprising a car truck adapted to support the ends of two car bodies, said truck having separate pivotal connections for said bodies on opposite sides of its longitudinal center line.

1,535,231. AUXILIARY MELTING DEVICE. GEORGE E. LEE, Cleveland, Ohio, assignor to The George E. Lee Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1922. Serial No. 568,695. 6 Claims. (Cl. 22—83.)

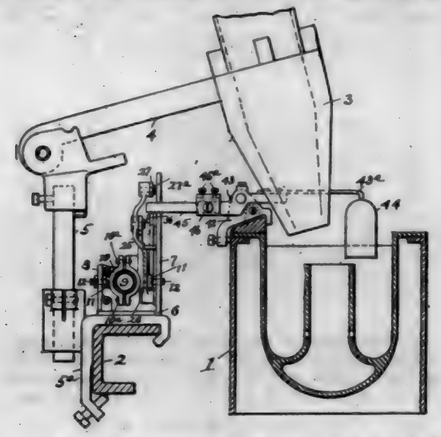


1. The combination with a reservoir adapted to contain material in molten form, of a melting cup mounted above the reservoir and adapted to contain material in solid form, an electric resistance element associated with said cup, an oscillating switch controlling the functioning of the resistance element, a pivoted arm, a resilient member connecting the arm with the switch, a pivoted member having operative connection with said arm, and means responsive to the level of the material in the reservoir and having operative connection with the pivoted member.

1,535,232. AUXILIARY MELTING DEVICE. GEORGE E. LEE, Cleveland, Ohio, assignor to The George E. Lee Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 12, 1922. Serial No. 574,570. 16 Claims. (Cl. 22—8.)

1. The combination with a casting machine having a reservoir for material in melted form, and means controlled by an electric circuit for supplying melted material to said reservoir, of a switch in said circuit, an actuating

member which has a predetermined movement during the operation of the machine, and means responsive to the



level of the melted material in said reservoir for connecting said actuating member with said switch to actuate the same.

1,535,233. SELF-SEALING, SOLUBLE COFFEE TABLET AND PROCESS OF MAKING SAME. FRANCIS P. MCCOLL, Ridgewood, N. J., and WALTER W. WILSON, Brooklyn, N. Y., assignors, by mesne assignments, to Thermokept Corporation, a Corporation of Delaware. Filed Dec. 22, 1920. Serial No. 432,517. 8 Claims. (Cl. 99—8.)

1. The herein described process of forming a pure coffee unit, which consists in subjecting the whole roasted coffee bean to a crushing stress, and causing said crushed constituents to be formed into units and impregnated in its own oil.

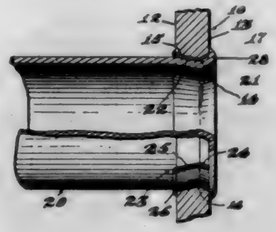
3. A coffee unit consisting of the roasted whole pure coffee bean in crushed condition and compressed form, saturated and sealed with the fluid content of said bean.

1,535,234. CASING-RIPPING DEVICE. WILLIAM B. MCMURTIE and JOHN W. MOORE, Shidler, Okla. Filed June 24, 1924. Serial No. 722,089. 3 Claims. (Cl. 81—103.)



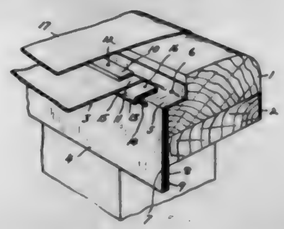
1. In a casing ripping device, a cylindrical body provided with an eccentrically disposed bore extending longitudinally thereof, thereby providing a comparatively thick side and a comparatively thin side, a stem extending from the end of the comparatively thick side, said thick side of the cylinder body being provided with an exterior vertically inclined opening, a knife having a projection slidably located in the opening, and means for moving the knife with relation to the body.

1,535,235. BOILER-FLUE CONSTRUCTION. GEORGE B. MAIER, Los Angeles, Calif. Filed Apr. 3, 1922. Serial No. 549,317. 2 Claims. (Cl. 285—56.)



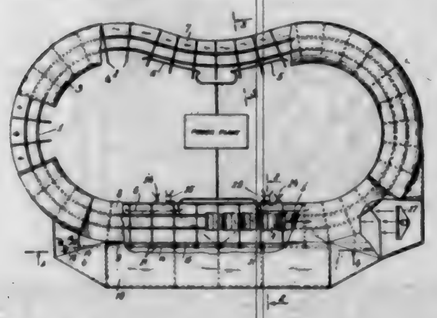
1. In a boiler, end plates, gaskets and tubes, said end plates provided with a series of openings, each opening in said plate having two annular tapering walls, one wall tapering from one side of the plate to near the center of the plate section and the second wall of substantially the same taper as the first mentioned wall extending to near the center of the plate section from the side opposite the first named side; each gasket of tubular section formed to fit the first mentioned tapering wall and the remainder of the gasket formed straight and extending through said openings, each tube provided with a reduced end, said end formed with a taper to fit the taper in the gasket and a straight portion extending through said gasket; said straight portion of the gasket and said straight of the tube extending through said opening in the end plate being expanded and the remaining end of said tube beaded over against the said second wall of said end plate so that the first mentioned tapered sections are in opposition to the second mentioned tapered sections, thus forming a tight joint.

1,535,236. TOP CONSTRUCTION FOR VEHICLE BODIES. HERMAN C. MAISH, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 2, 1923. Serial No. 610,833. 3 Claims. (Cl. 296—135.)



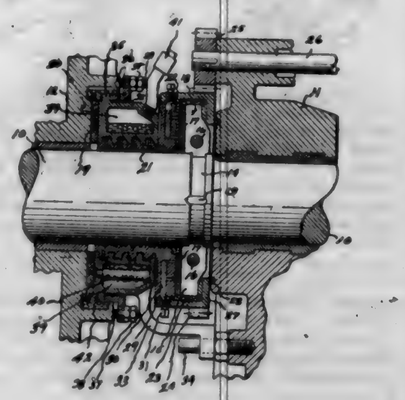
1. In a top of a closed motor vehicle body, the combination with a continuous rigid frame comprising a plate having an upper inner rabbeted corner, of a side lining having a portion engaging and secured to the rabbeted corner of said plate and a depending portion at the inner side of said plate, a top lining having its side edge extending over the rabbeted corner of said plate, and a clamping strip secured to the rabbeted corner of said plate and clamping the side edge of said top lining to said plate.

1,535,237. AMUSEMENT APPARATUS. HYLA FREDERICK MAYNES, North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del., a Corporation of Delaware. Filed Feb. 12, 1925. Serial No. 8,694. 16 Claims. (Cl. 104—84.)



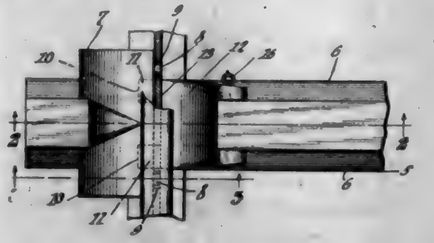
2. In an amusement ride, the combination of a passenger-carrying car or train, a translucent curtain between the path of travel of the car or train and a public thoroughfare, and means for projecting a shadowgraph of the car or train upon the translucent curtain visible to the outside public.

1,535,238. THRUST MECHANISM. THOMAS SPENCER MILLER, South Orange, N. J. Filed July 7, 1922. Serial No. 573,499. 7 Claims. (Cl. 192—04.)



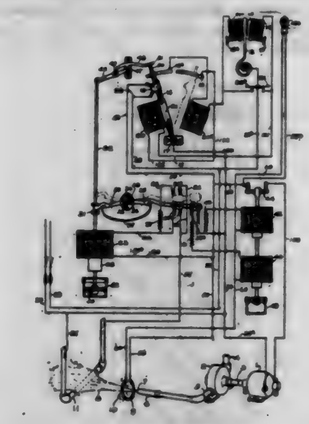
1. In a device of the class described, a shaft, a bearing for the shaft, a clutch member on said shaft and arranged to be moved longitudinally thereof, a thrust-resisting member, a thrust-producing means between the clutch member and the thrust-resisting member, comprising a threaded member on the shaft and unconnected thereto and having a face contacting with a face of said thrust-resisting member, a nut on said threaded member and held against rotation and free to move longitudinally of the shaft, said nut contacting with said clutch member, and means to rotate said threaded member to move said clutch member away from the thrust-resisting member, adjustable means connecting said nut to said clutch member to draw the latter toward the thrust-resisting means when the threaded member is rotated to move the nut toward said thrust-resisting means.

1,535,239. RAIL TIE. THOMAS B. MODLIN, Hurdland, Mo., assignor of one-third to Homer Black and one-third to Lem C. Schenimann, both of Hurdland, Mo. Filed Sept. 23, 1924. Serial No. 739,338. 2 Claims. (Cl. 238—46.)



1. In a device of the character described, a tie having a fastening member formed integral therewith, said fastening member having openings arranged adjacent to the lower edge thereof, a movable clamping section having extensions adapted to fit in the openings, and means for securing the movable clamping section to the tie.

1,535,240. CONTROLLER FOR FUEL IGNITERS. WILLIAM L. MORRIS, Chicago, Ill., assignor to Electric Oil Syndicate, an Association composed of C. P. Jaeger, L. M. Rutledge, William L. Morris, and William K. Booth. Filed Sept. 11, 1922. Serial No. 587,385. 19 Claims. (Cl. 175—115.)

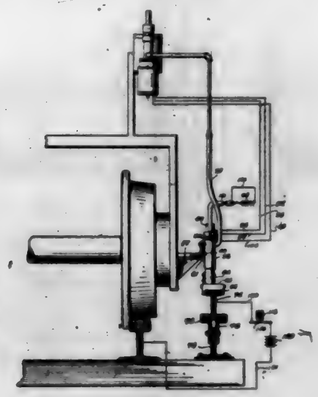


1. The combination with a fuel feeding mechanism, of an electrical igniter, and an electrical resistance variable under different temperatures, the igniter and resistance being so connected that the main current will pass through the igniter if the resistance is cold and through the resistance if the resistance is hot.

1,535,241. TRAIN-CONTROL MECHANISM. WILLIAM B. MURRAY, Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va., a Corporation of Virginia. Filed May 16, 1924. Serial No. 713,786. 8 Claims. (Cl. 246—49.)

2. In a train control apparatus, a pressure operated device, a valve casing communicating therewith, a valve arranged in said casing, a magnet controlling said valve, a normally closed circuit to energize said magnet and retain said valve in a closed position, ramps on the

trackway at spaced intervals, mechanical means engaging said ramps and adapted to break said circuit, a second valve communicating with the outlet of said first valve, a normally deenergized magnet controlling



said valve, and electrically operated means controlled by the engagement of said mechanical means and said ramp for energizing said second magnet when the track is clear.

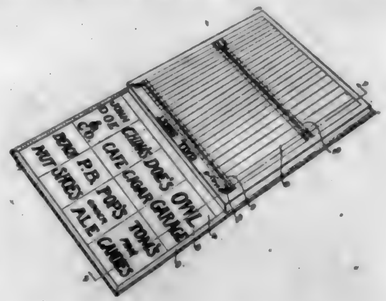
1,535,242. TRACING AND PRINTING DEVICE. SHERMAN LINCOLN PARMENTER, New Rochelle, N. Y. Filed Mar. 29, 1921. Serial No. 456,709. 3 Claims. (Cl. 35—10.)



1. In a device for transferring lines of pencil drawings and sketches, a thin transparent flexible element adapted to receive markings upon its face and means for holding said element relatively immovably upon surfaces to be traced from or transferred to, said holding means comprising an envelope frame having an open end adapted to receive said transparent element therethrough and an open side adapted to expose a surface of said element.

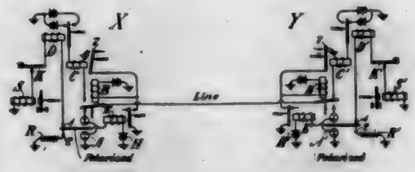
1,535,243. ADVERTISING CALL SHEET. WELDON E. PENTICOFF, Fergus Falls, Minn. Filed June 14, 1924. Serial No. 719,996. 3 Claims. (Cl. 40—125.)

2. An advertising device comprising a backing sheet, a sheet of transparent material marginally united to the said backing sheet and forming, with the backing sheet, a pocket, an advertising medium fitted into the pocket with its display surface visible through the transparent sheet, the medium being so arranged that the advertising matter will be readable from one end of the device, and a call sheet secured upon the backing sheet and read-



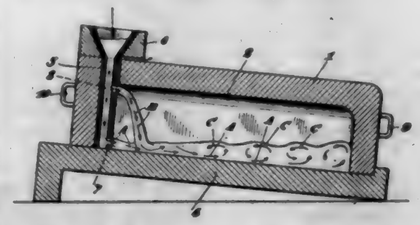
able from the other end of the device, the upper marginal portion of the call sheet overlapping the mouth of the pocket whereby to substantially close said mouth.

1,535,244. TELEGRAPHY. HARRY S. PERCIVAL, Bloomfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 20, 1920. Serial No. 382,972. 8 Claims. (Cl. 178—2.)



1. In a telegraph system, a main line, a station associated therewith, a transmitting branch circuit for said main line at said station, a device for at times associating said main line with said branch circuit, a transmitting device at said station, means governed by said transmitting device for causing said first mentioned device to assume its operative position and means associated with said transmitting branch circuit for retaining said device in its operative position.

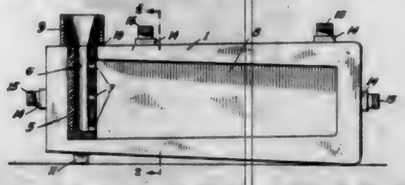
1,535,245. METHOD OF MAKING INGOTS, AND THE INGOT. JOHN E. PERRY, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Nov. 11, 1920. Serial No. 423,304. 41 Claims. (Cl. 22—209.)



1. The method of casting steel ingots which comprises providing a mass of molten steel by filling the matrix of a mold which matrix has the form of the ingot desired and maintaining the steel constituents homogeneously distributed throughout the entire mass thereof; and freezing the molten steel into a solid mass by quickly

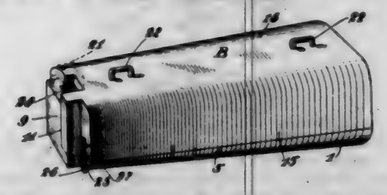
absorbing heat from all sides thereof to arrest the molecular movement of the constituents of the steel before the condition of homogeneity of the mass has substantially changed.

1,535,246. INGOT, MOLD, AND METHOD OF CASTING. JOHN EDMUND PERRY, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Apr. 21, 1921. Serial No. 463,164. 24 Claims. (Cl. 22—216.)



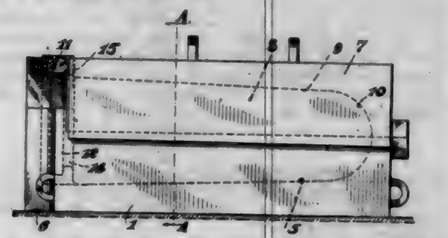
1. The method of casting steel ingots which comprises providing a horizontal pool of molten steel having a wide head and a narrow foot with tapering sides between the head and foot; chilling all surfaces of the pool excepting a small portion at the head end; and withdrawing heat from the foot end of the ingot whereby the heat gradient runs toward the head end of the ingot until after the mass of steel has all been cooled to a temperature lower than crystallization temperature of the mass.

1,535,247. INGOT MOLD AND METHOD OF CASTING. JOHN EDMUND PERRY, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed June 25, 1921. Serial No. 480,304. 37 Claims. (Cl. 22—143.)



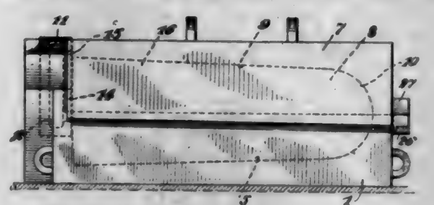
1. An ingot mold for casting steel ingots horizontally comprising when assembled a closed chill mold with the longitudinal lines of separation arranged at the corners of the matrix portion of the mold and with the end lines of separation extending diagonally of the mold at one end and transversely of the mold at the other end.

1,535,248. METHOD OF CASTING INGOTS. JOHN EDMUND PERRY, Sharon, Pa., assignor to Valley Mould & Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Feb. 10, 1923. Serial No. 618,206. 30 Claims. (Cl. 22—143.)



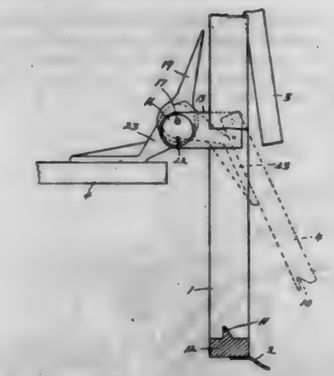
1. The method of casting steel ingots and the like, which comprises pouring the metal to form an elongated quiescent horizontal pool, continuing the pouring to supply fresh molten steel to the surface of the pool, and chilling the pool upon four sides and the foot end to cause the freezing to progress toward the head end.

1,535,249. HORIZONTAL INGOT MOLD. JOHN EDMUND PERRY, Sharon, Pa., assignor to Valley Mould and Iron Corporation, Sharpsville, Pa., a Corporation of New York. Filed Feb. 15, 1923. Serial No. 619,301. 20 Claims. (Cl. 22—143.)



1. A horizontal mold for casting steel ingots comprising a sectional body of chill metal enclosing a matrix of the form of the ingot to be cast, the foot of said matrix being curved, a runner brick at the head of the matrix and forming the major portion of the head wall thereof, said brick being provided with a feeder opening arranged substantially adjacent the horizontal axis of the matrix, and with the heat absorbing capacity of the mold walls decreasing from the foot of the matrix toward the head thereof.

1,535,250. WINDSHIELD. ALBERT T. POTTER, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 20, 1922. Serial No. 602,079. 10 Claims. (Cl. 296—92.)

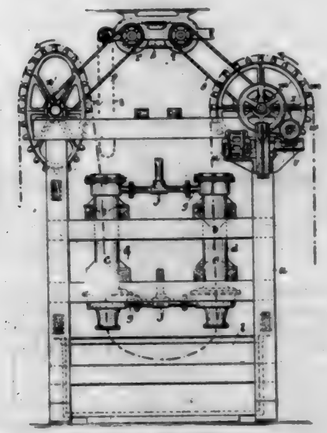


7. The combination with a standard, of a bracket supported upon the standard and having an opening therein, a windshield, a bracket secured to said windshield, a pivot for the windshield rotatably mounted in the last-mentioned bracket, an eccentric non-rotatively secured to the pivot and rotatably mounted in the opening in the first-mentioned bracket, and means for actuating said eccentric to move said windshield.

1,535,251. APPARATUS FOR TREATING FABRICS WITH LIQUIDS. CLIFFORD H. RAMSEY, Glen Rock, and ARTHUR C. MASKERY, Paterson, N. J., assignors to Morrison Machine Company, Paterson, N. J., a Corporation of New Jersey. Filed July 13, 1923. Serial No. 651,368. 7 Claims. (Cl. 8—19.)

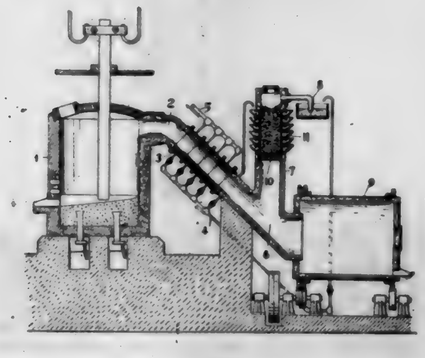
6. In combination, a pair of passaged conductors having their passage-axes upright and being adapted to re-

ceive the upstanding portions of the depending bight of the flexible attenuated material to be advanced longitudinally and each having means to admit to its passage liquid to treat the material while being advanced,



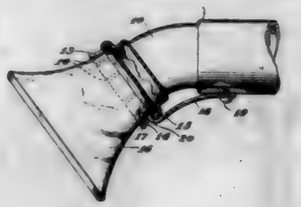
and separate means to advance said material arranged over said conductors and from which said bight hangs, one of said means arranged to deliver the material down to one conductor and the other to draw it up from the other conductor.

1,535,252. METHOD OF CONDENSING ZINC VAPORS. OYSTEIN RAYNER, Christiania, Norway, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Christiania, Norway, a Business Entity, Christiania, Norway. Filed Feb. 24, 1919. Serial No. 278,977. 5 Claims. (Cl. 75—153.)



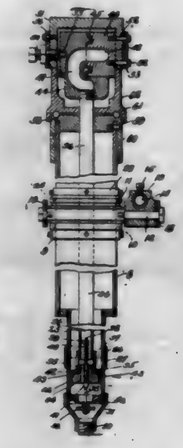
1. The process of recovering metals from hot vapors thereof, which comprises leading the vapors from the furnace in which they are formed directly into a condensation chamber and subjecting the vapors to immediate and intense cooling, liquefying portions of the vapor in the form of drops, and effecting precipitation of metal dust resulting from the condensation by passing the said liquid metal drops therethrough in opposing direction to the flow thereof.

1,535,253. ATTACHMENT DEVICE. HENRY P. ROBERTS, New York, N. Y., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1922. Serial No. 609,300. 9 Claims. (Cl. 181—21.)



1. In combination, a member having a mouthpiece-receiving portion, a mouthpiece adapted to be engaged in said portion, and spring means separate from the mouthpiece-receiving portion adapted to yieldably retain the mouthpiece therein.

1,535,254. DISPENSING STAND. GEORGE H. RUSSELL, Florence, Ala. Filed Mar. 21, 1924. Serial No. 700,884. 7 Claims. (Cl. 299—80.)

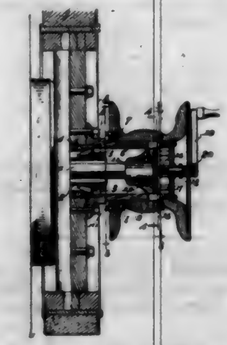


1. In a dispensing device, a base, a housing connected with the base, a sectional head at the upper end of the housing and through which fluid passes, a pipe communicating with the head, said head and pipe adapted to move vertically, a valve member at the lower end of the pipe and adapted to move therewith to control the passage of fluid through the pipe, a plunger carried at the lower end of the pipe, said plunger adapted to control the passage of fluid from the housing, and said plunger and valve adapted to move upon the movement of the head.

1,535,255. AUXILIARY DRIVING ATTACHMENT FOR AUTOMOBILES. CHARLES EDWARD RYAN, Ardmore, Okla. Filed Jan. 9, 1924. Serial No. 685,170. 11 Claims. (Cl. 180—53.)

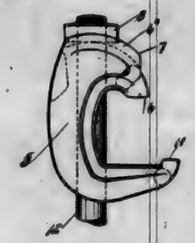
1. In a motor driven vehicle, the combination of a rear axle, a housing embracing the axle, a wheel supported by the housing, a sleeve embracing the axle and

rigidly connected with the wheel, a pulley rotatably mounted on the sleeve, means adapted to connect the



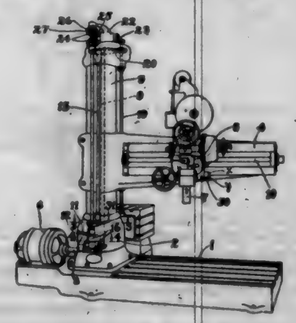
pulley to the rear axle for causing rotation of the pulley on the sleeve, and means for releasing the connecting means between the pulley from the axle.

1,535,256. HOOK. MARCIAN E. SAUNIER, Bay City, Mich. Filed Apr. 23, 1924. Serial No. 708,397. 9 Claims. (Cl. 25—131.5.)



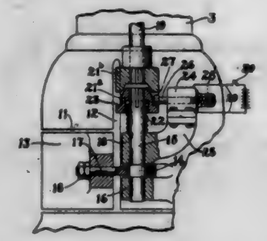
1. A hook adapted to engage the flange of a structural member and having a two point contact therewith, a head on the hook adapted to engage the inside of the flange of the structural member, a vertically disposed opening through the head and a bolt removably mounted therein.

1,535,257. DRILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1921, Serial No. 499,521. Renewed Feb. 23, 1923. 22 Claims. (Cl. 77—28.)



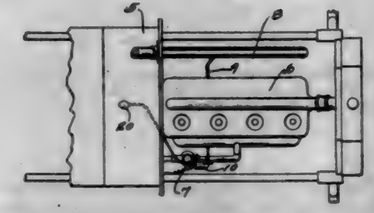
1. In a drilling machine, the combination of a base, a column supported on the base, an arm carried by the column and movable relative to the base about the column axis as a center, drilling mechanism carried by the arm, power means for operating the drilling mechanism, clamping means for securing the arm against the said movement relative to the base, and means adapted to be operated by the power means for effecting the clamping of the arm through the clamping means.

1,535,258. DRILLING MACHINE. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 9, 1921, Serial No. 499,522. Renewed Feb. 23, 1923. 12 Claims. (Cl. 77—28.)



1. In a drilling machine, the combination of a base, a column rotatably supported on the base, drilling mechanism carried by the column, power means for operating the drilling mechanism, clamping means for engaging the column adjacent the base, and means comprising a friction clutch for operatively connecting the clamping means with the power means for effecting the clamping of the column through the clamping means.

1,535,259. FOOT ACCELERATOR. HARLEN M. SELPH, Goose Creek, Tex. Filed July 22, 1924. Serial No. 727,451. 1 Claim. (Cl. 74—30.)

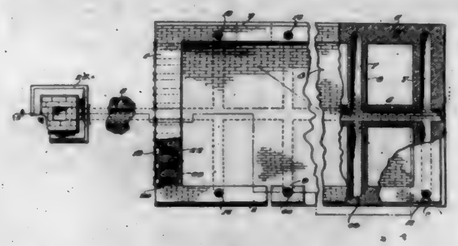


In combination with a carburetor having an extension arm, an accelerator structure having angularly disposed end portions and one of the said end portions is provided with an outstanding flange which is slotted longitudinally and which is disposed in a plane at an acute angle to the longitudinal dimension of that end portion of the plate upon which it is mounted, means pivotally connecting the last mentioned end portion of the plate with the arm and the other end portion of the plate having a hook shaped extension which engages around the intermediate portion of the arm and which is disposed approximately parallel with the longitudinal dimension of the first mentioned end portion of the plate and spaced therefrom.

1,535,260. BRICKKILN. JOHN F. SHERBAHN, McCook, Nebr. Filed Jan. 16, 1924. Serial No. 686,622. 5 Claims. (Cl. 25—132.)

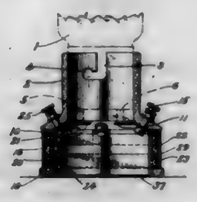
1. The combination of a brick kiln having a fire-box in its front wall in direct communication with the inte-

rior of the kiln, a stack in spaced relation to the front wall of the kiln, a fire-box in said stack, and a return



flue extending longitudinally under the floor of the kiln and establishing communication between the kiln and the base of the stack.

1,535,261. COMBINED TRANSFORMER AND ELECTRON-TUBE SOCKET. JOHN W. SIMMONS, Cleveland, Ohio. Filed Apr. 30, 1923. Serial No. 635,805. 4 Claims. (Cl. 175—356.)



1. In an electron tube apparatus the combination of an electron tube socket having a plurality of terminals, a plurality of grooves formed in said socket and spaced from each other, a primary winding wound in one of said grooves, a secondary winding wound in the other of said grooves, and a short connection between one of said terminals and said primary winding.

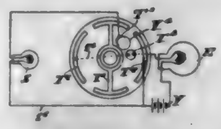
1,535,262. RAILROAD TIE. GEORGE W. SLADE, Baltimore, Md. Filed Jan. 29, 1924. Serial No. 689,329. 1 Claim. (Cl. 238—91.)



A railway tie comprising a plastic body, rail plates embedded in the top thereof, a continuous reinforcing rod having rounded corners and offset portions which pass over the plates and which are secured thereto, the rod being embedded in a concrete body, other reinforcing rods disposed below and outwardly of the first mentioned rod, the last mentioned rods having upset ends terminating in hooks which are connected together and the ends of the tie at the hook portions of the rod having transverse depressions therein.

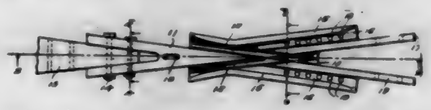
1,535,263. COMBINATION REAR SIGNAL AND PILOT LIGHT. EDWARD A. SMETZER, Lakewood, Ohio. Filed Jan. 7, 1921. Serial No. 435,660. 4 Claims. (Cl. 177—311.)

2. A single signal for vehicles having a battery, a rear end signal, a front telltale signal, connecting means between the battery, rear end signal, and telltale signal, including cooperating switch means comprising a movable



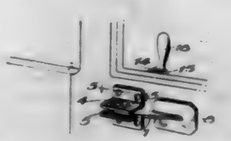
member for successively closing a circuit through said rear end signal and telltale signal in series and thereafter closing a circuit through the rear end signal alone.

1,535,264. RAILWAY SWITCH FROG. JOHN P. STATHAS. Penn, N. Dak. Filed July 15, 1924. Serial No. 726,158. 1 Claim. (Cl. 246—464.)



A railway frog structure having a body provided with a wheel-way, a guard flange extending above said way at one side thereof, a filler at the base of said way, said filler being provided with relatively deep vertical channels arranged in the tread surface thereof adapted to contain lubricating means for engagement by the tread of car wheels, and to be spread over the surface of the tread of the wheels and of the frog for lubrication thereof.

1,535,265. AUTOMOBILE SIGNAL. SIDNEY A. STOETZEL, Omaha, Nebr. Filed Dec. 13, 1923. Serial No. 680,536. 2 Claims. (Cl. 116—52.)

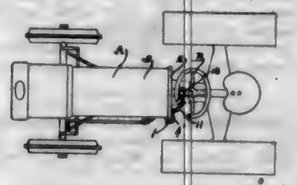


1. A signal comprising brackets situated on the outside and inside of a vehicle respectively, bolts passing through the brackets and vehicle, a ferrule on each bolt serving as a spacer for the inside bracket, nuts on the bolts clamping the inside bracket against said ferrules, a link passing through the vehicle from one bracket to the other, an operating lever mounted on the inside bracket and connected with one end of the link, and a signal arm mounted on the outside and connected to the other end of the link.

1,535,266. STEERING ATTACHMENT FOR TRACTORS. RICHARD T. STRANGE, Jr., Onarga, Ill. Filed Sept. 13, 1923. Serial No. 662,506. 2 Claims. (Cl. 74—33.)

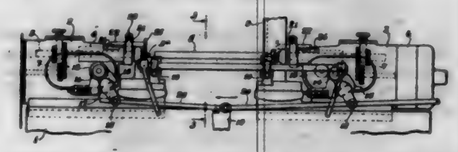
1. In combination with a vehicle including a steering wheel and a dash frame; of a supporting clamp of substantially U-shaped design, one arm being of greater length than the other, said U-shaped clamp being engaged with said dash frame and the arms thereof provided with registering openings, means engaging the dash frame and registering openings to secure the clamp in position, the longer arm of said clamp being provided with an additional opening, a second clamping element comprising a base plate having an angular hook-like projection formed thereon, said base plate being applied to one face of the spider on said steering wheel, an

upper plate applied to the upper face of the spider on said steering wheel, said base and upper plates being provided with registering openings, means engaging the openings of said plates for securing the clamping ele-



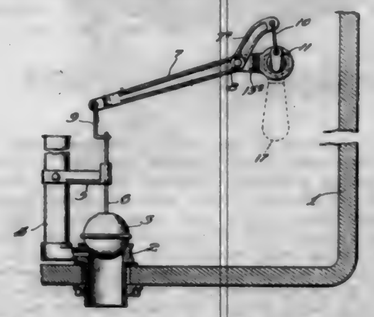
ment to the wheel, and a retractable spring engaged at its one end with the opening in the longer arm of the U-shaped clamp and at its opposite end with the hook-like projection on the clamping element, as and for the purposes described.

1,535,267. SPINDLE-TOP MECHANISM. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed June 18, 1923. Serial No. 646,202. 6 Claims. (Cl. 77—18.)



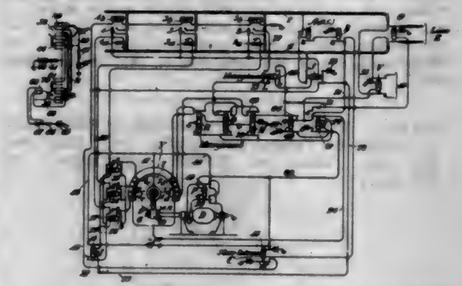
1. In a drilling machine, the combination of a headstock, an axially movable sleeve mounted therein, a drill spindle mounted in the sleeve, and means to limit the forward movement of the sleeve and spindle by engaging either against the work piece or against the headstock.

1,535,268. FLUSHING MECHANISM. OSCAR H. THELEEN, Kenosha, Wis., assignor to Frost Manufacturing Company, Kenosha, Wis., a Corporation of Wisconsin. Filed Apr. 19, 1923. Serial No. 633,103. 5 Claims. (Cl. 4—67.)



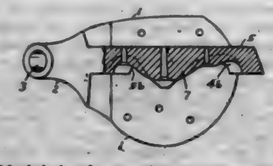
1. In a flush tank mechanism, the combination with a solid shaft actuated by a handle, and having a crank, of a pivoted lever, a link between the crank and lever, a valve communicating with the lever adapted to be functioned by the actuation of the handle, said link being disengageable with the lever and crank with the removal of the lever from its pivot, and comprising a stock or body portion having angular connecting portions and substantially parallel extensions, the latter extending in the same direction.

1,535,269. SELECTIVE SIGNALING APPARATUS AND CIRCUITS. JOHN F. TOOMEY, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Oct. 10, 1919. Serial No. 329,802. 18 Claims. (Cl. 179—43.)



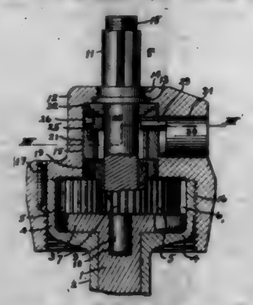
4. In combination, a circuit, a source of current therefor, a device for associating said source with said circuit, a plurality of contacts, a controller for operating said contacts successively after predetermined intervals of time, a motor to drive said controller, and selective means associated with said contacts to cause said source to be removed from said circuit after one of said predetermined intervals of time, and to stop said motor and disengage it from said controller.

1,535,270. GOLF CLUB. RALPH G. TYLER, Bradford, Pa. Filed Nov. 1, 1924. Serial No. 747,216. 6 Claims. (Cl. 273—77.)



3. A golf club head comprising a one-piece frame member comprising the neck, heel and sole, an integrally formed upstanding longitudinal web having its toe and heel portions hollowed out at the rear side of said web, a wooden back block having its frontal portion hollowed out and which block is secured to the sole and at contact with said web, and a face block secured to the front of the said web.

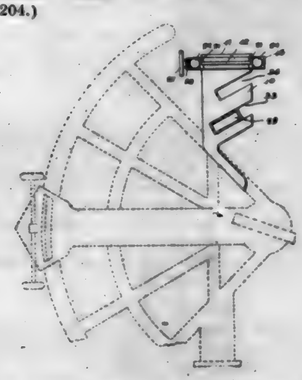
1,535,271. MOTOR-VEHICLE LOCK. LOUIS C. VANDERLIP, Elkhart, Ind. Filed Apr. 28, 1923. Serial No. 635,224. 12 Claims. (Cl. 70—139.)



1. In a steering device for vehicles, the combination with steering gear including a rotary steering post, a housing mounted relatively thereto, driven gears in said housing for steering post actuation, and a fixed cup

for said housing, of a rotatable wheel shaft fixed against axial movement and provided with a driver pinion which is in constant mesh with said driven gears; clutch means carried by said shaft and comprising an extension of the teeth of said drier pinion; and means for locking said wheel shaft against rotation, said means comprising lock controlled movable clutch means splined to said housing cap, movable axially of said wheel shaft and independently thereof, and adapted to engage said clutch composed of the extension of said driver pinion teeth.

1,535,272. ALTITUDE-DIFFERENCE INSTRUMENT. GUTSBERT B. VROOM, Philadelphia, Pa. Filed Nov. 25, 1921. Serial No. 517,626. 15 Claims. (Cl. 88—204.)



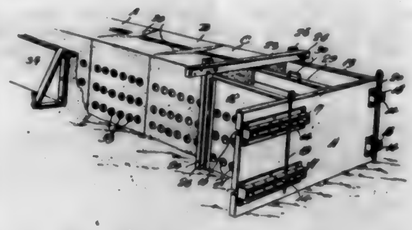
12. In combination with a navigating or surveying sextant adapted to "bring across" an image on the line of collimation thereof, means mounted on said sextant and associated therewith to measure two parts of a right angled astronomical triangle, said means including a mirror rotatably mounted with relation to said sextant and positioned in the line of collimation thereof, said mirror adapted upon rotation to "bring down" the image of a star to a point coincident with the image of a second star "brought across" on the line of collimation of said sextant.

1,535,273. WINDOW STRUCTURE. JOSEPH C. WEGSTEIN, Washburn, Ill. Filed Nov. 26, 1923. Serial No. 676,946. 3 Claims. (Cl. 20—52.1.)



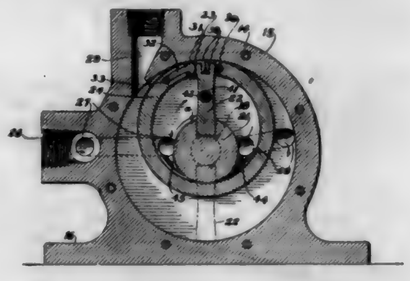
1. In a pocket window structure, in combination, an upper and a lower sash adapted to be telescoped into the pocket of the window, a head piece connected with the top rail of the upper sash and overlying and adapted to be engaged by the lower sash when raised, latch members pivoted to the window casing, means to yieldingly hold said latch members in locking position, complementary means on said head piece arranged to have a locking engagement with said latch members, and means connected to the lower sash arranged to have a slidable relation with said latching members for releasing the same when the lower sash is raised.

1,535,274. PROCESS OF MOLDING AND APPARATUS THEREFOR. JAMES R. WELCH, Roanoke, Va. Filed Apr. 23, 1923. Serial No. 634,012. 12 Claims. (Cl. 22—96.)



1. A molding flask consisting of a side member, and two end members extending in the same direction from said side member and held in substantially parallel relation, with an unobstructed opening between their outer ends adapted to receive backing material.

1,535,275. ROTARY PUMP. OLIVER PETER WESTIN, Florence, Wis. Filed Jan. 26, 1924. Serial No. 688,767. 11 Claims. (Cl. 103—144.)



4. A rotary pump comprising a cylinder having inlet and outlet ports, a rotor mounted axially of the cylinder and having a radially extending blade with channels formed in its edges, shoes mounted in said channels, yieldable means urging said shoes outwardly to form a wiping contact with the sides and ends of the cylinder, a cylindrical ring eccentrically mounted within the cylinder and separating the same into two compartments which are in communication with the respective ports, said ring being tangent internally to the rotor and revoluble about its own axis and having a slot through which the blade projects, and a passageway connecting the two compartments.

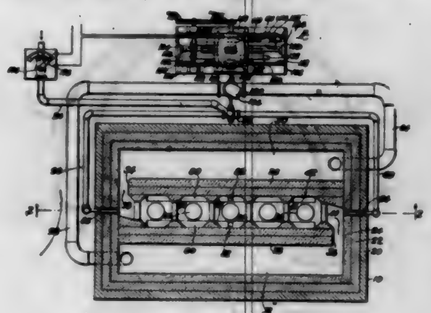
1,535,276. TELEPHONIC ELECTRODE AND METHOD OF CONSTRUCTING SAME. FRANK L. WHITAKER, Olney, Ill. Filed June 11, 1921. Serial No. 476,795. 2 Claims. (Cl. 179—124.)

1. The method of producing an electrode for a variable resistance unit which comprises distributing upon the surface of a conducting base a layer of cementing or bonding material, distributing upon said layer a quantity of conducting granules and subjecting the assemblage to



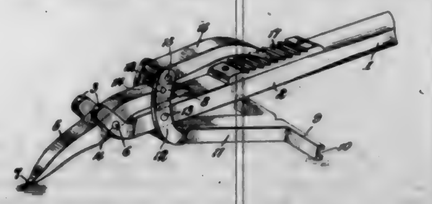
heat and pressure to embed the granules in the cementing or bonding material in electrical contact with the surface of the base.

1,535,277. FURNACE. CARL J. WRIGHT, Toledo, Ohio, assignor to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed May 6, 1921. Serial No. 467,250. 8 Claims. (Cl. 263—14.)



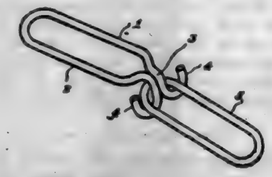
1. In a furnace of the class described, an elongated combustion chamber constructed to contain a plurality of crucibles, means for introducing gas into the ends of the chamber, means for pre-heating the air which is used to support combustion in the chamber, means for reversing the flow of air and gas through the combustion chamber, and devices extending inwardly from the walls of the combustion chamber and acting to direct the burning gas into close contact with the crucibles in the chamber.

1,535,278. FLOOR JACK. JOHN YARBROUGH, High Shoals, N. C. Filed Jan. 22, 1925. Serial No. 4,031. 4 Claims. (Cl. 254—15.)



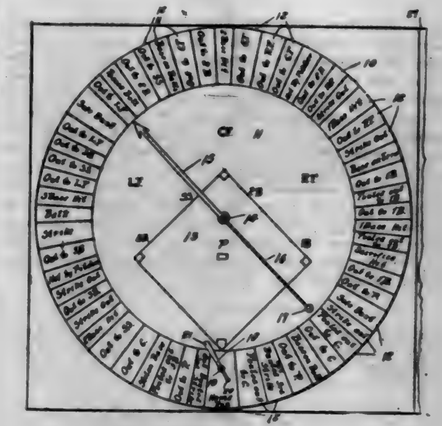
4. A floor jack comprising a presser foot for engagement with a floor board, a shank extending at right angles from the presser foot, said shank terminating at its free end in upturned, spaced arms, a hand lever pivoted adjacent to one end between the lower portions of said arms, said lever terminating at its shorter end in an upturned fork, a spike pivoted intermediate of its ends for limited rocking movement in said fork, the lower, free end of said spike being pointed to engage a joist, the upper end of the spike projecting between the said spaced arms, a pin traversing the latter to limit the rocking movement of the spike, a longitudinal series of transversely arranged rack teeth mounted on the upper face of the hand lever, and a dog pivoted at its lower end between the ends of the spaced arms and adapted to engage at its free end in one of the rack teeth to hold the pointed end of the spike and the presser foot separate, when the spike impinges a joist and the presser foot engages a floor board, and upon pressing downwardly on the handle bar.

1,535,279. HOOK. ALLEN E. YODER, Mount Carmel, Pa. Filed Apr. 14, 1924. Serial No. 706,401. 1 Claim. (Cl. 59—85.)



As a new article of manufacture, a hook formed of a single length of material shaped to form a body, said length of material being bent at one end of the body to provide parallel engaging portions and the terminals of the length of material outwardly of said parallel portions being shaped to provide oppositely extending loops opening out in the same direction, said loops extending transversely of the body.

1,535,280. GAME APPARATUS. JOHN J. ZARKER, Wiconisco, Pa. Filed July 18, 1922. Serial No. 575,831. 2 Claims. (Cl. 273—93.)



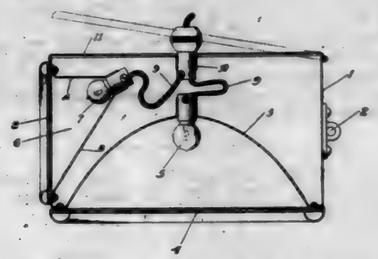
1. A base ball game apparatus having a base or board provided with a field bounded by a continuous circular series of stations designated consecutively to represent different possible plays on the base ball field, an index pivotally mounted at the center of said field and having a pointer arm for traversing and indicating different stations in said series to thereby indicate the play which is supposed to have been made, said index being provided with an operating arm having a terminal knob or ball, said operating arm being transversely resilient whereby to add a degree of uncertainty to the movement of the pointer arm of the index, and a pivotal operating element mounted with its axis beyond the range of movement of the index and provided with a striking arm for invading said path of movement to strike and impart movement to the knob or ball.

1,535,281. WRENCH. JOHN ZILLIOX, Orchard Park, N. Y., assignor of one-half to Frank Zilliox, Buffalo, N. Y. Filed Dec. 21, 1921. Serial No. 523,982. 6 Claims. (Cl. 81—119.)



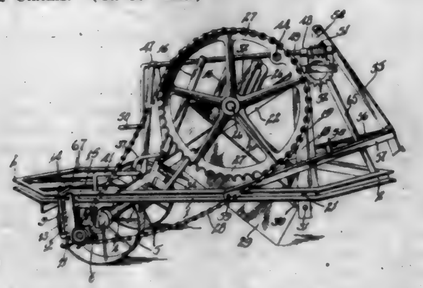
1. A wrench comprising a head provided on its front part with a socket and on the opposite wide sides of its rear part with recesses which extend lengthwise to the rear end of the head, and a detachable handle provided on its front end with two jaws which are separated by a space extending from edge to edge of the handle and which engage frictionally with said recesses of the head.

1,535,282. VEHICLE HEADLIGHT. OTTO E. ZSCHUNKE, Lodi, Calif. Filed Dec. 28, 1923. Serial No. 683,121. 1 Claim. (Cl. 240—46.)



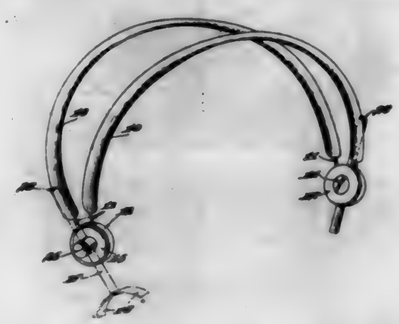
A combination head and side light comprising a primary and a secondary lens at right angles to each other, an independent reflector behind each lens, the axis of the reflector behind the primary lens being substantially concentric with the axis of such lens, the axis of the reflector behind the secondary lens being disposed at an acute angle in a horizontal plane to the axes of both lenses, the horizontal center line of the rear side of the secondary reflector being at right angles to the rearmost edge of the secondary lens, all whereby the light from the primary reflector will be reflected straight ahead while the light from the secondary reflector is reflected at an acute angle to the first light in the same forwardly direction but not back of such secondary lens.

1,535,283. SCRAPER. PHILIP C. ANDERSON, Rapid City, S. Dak. Filed Feb. 15, 1923. Serial No. 619,228. 4 Claims. (Cl. 37—132.)



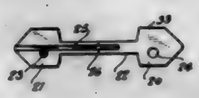
1. A scraper comprising a frame, wheels for supporting said frame, a second frame pivotally secured to said first named frame, said second named frame adapted to be attached to a tractor or the like, and to be supported thereby, a worm carried by said first named frame, a worm gear carried by said first named frame and in mesh with said worm, manually controlled means for rotating said worm, an arm carried by said worm gear, a link connecting said arm with said second named frame whereby a rotation of said worm will raise or lower said first named frame with respect to said second named frame, and a bucket carried by said first named frame and adapted to be moved vertically with respect to the ground when said first named frame is moved with respect to said second named frame.

1,535,284. TELEPHONE HEADSET. RANDALL B. BAKER, Watertown, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Feb. 23, 1923. Serial No. 620,568. 6 Claims. (Cl. 179—156.)



1. A telephone head set having, in combination, a head band provided with an end portion, a receiver carrier provided with a stem, a clamp connection provided with a hole to receive the stem and a recess to receive the end portion of the head band, means for clamping the end portion in the recess of the clamp connection, and resilient means for holding the stem thereto.

1,535,285. PHONOGRAPH NEEDLE. HENRY RAMBERGER, Newark, N. J., assignor of one-half to Alexander Milne, Newark, N. J. Filed Mar. 8, 1924. Serial No. 697,798. 3 Claims. (Cl. 274—37.)

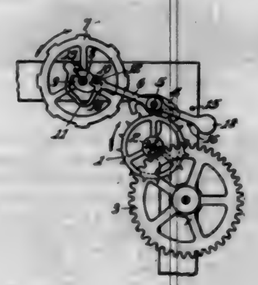


1. A phonograph needle holder formed of a single piece of metal including two head pieces and a connecting shank, one head piece and one-half of the shank provided with a groove and with an opening extending through said shank communicating with said groove, said shank being bent about its center to form a filler sleeve to fit the ordinary stylus socket and to bring the two heads together and means for clamping the two head pieces together to clamp a wire within said groove.

1,535,286. BALANCE ESCAPEMENT. JACOB B. BATES, Cambridge, Ohio, assignor of one-half to W. N. Bradford, Cambridge, Ohio. Filed Apr. 30, 1923. Serial No. 635,441. 5 Claims. (Cl. 58—116.)

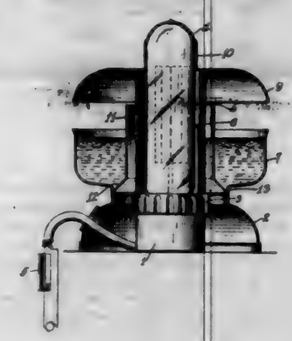
1. A balance escapement comprising an escape wheel, a gear train for actuating said wheel, a pallet operatively associated with said wheel, a balance wheel, a pin in

fixed relation to said balance wheel, and means intermediate said pallet and said pin whereby the balance wheel is actuated to rotate continuously and whereby



said pallet is, in turn, initially actuated by said balance wheel, said means including forks alternately engageable with said pin.

1,535,287. AUTOMATIC HUMIDIFIER. ESTEN B. BEELER, Chicago, Ill. Filed Mar. 26, 1923. Serial No. 627,822. 1 Claim. (Cl. 210—45.)



A humidifier comprising a base, an electric light carried by said base, a water containing reservoir carried by said base, and encircling said light, a centrally disposed sleeve carried by said reservoir and receiving said light, said sleeve keeping the water from contacting with said light, an absorbent sleeve disposed around said first named sleeve and extending above said first named sleeve but terminating short of the top of said light, a cylindrical member enclosing said absorbent sleeve, and a hood carried by said absorbent sleeve and having a cylindrical portion which permits the light to project thereabove, whereby said light when energized changes the water in said absorbent sleeve into water vapor and also attracts the attention of the passerby.

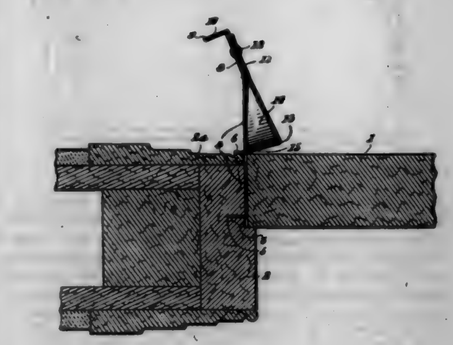
1,535,288. WATER HEATER. WILLIAM E. BEILMAN, Buffalo, N. Y. Filed July 5, 1924. Serial No. 724,490. 2 Claims. (Cl. 236—20.)

1. In a water heater, the combination of a casing, a reservoir mounted in said casing, main and secondary gas burners arranged in the casing below said reservoir, main and secondary valves for controlling the supply of gas to said main and secondary burners, the secondary



burner having an air inlet communicating with the atmosphere exterior of said casing, and thermostatic means for operating said valves.

1,535,289. PORTABLE DOORLOCK. WILLIAM S. CALLERY, Wheatland, Calif. Filed Feb. 28, 1924. Serial No. 695,736. 7 Claims. (Cl. 292—297.)

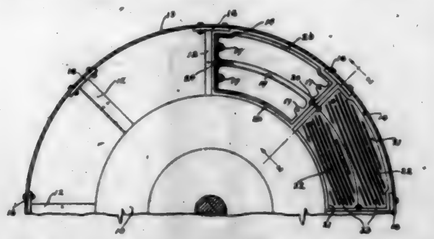


1. In a portable door lock, a plate adapted for mounting on the face of a door jamb, a locking arm swingingly carried by the plate adapted to be moved into engagement with a door, said plate having an angle portion at its point of supporting the locking arm whereby the locking arm is adapted to be laterally displaced from the swinging path of movement of the door when moved to a releasing position, and an apertured extension carried by one end of the plate.

1,535,290. SCREEN PLATE FOR CLAY MACHINES. FRANK C. CARNAHAN, Brazil, Ind. Filed July 24, 1924. Serial No. 728,027. 3 Claims. (Cl. 83—45.)
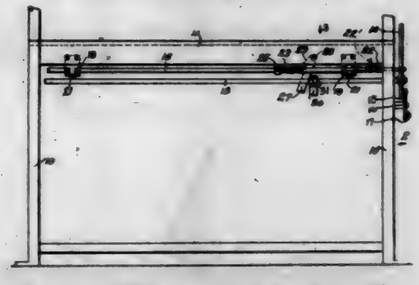
3. In a clay working machine the combination of a dry pan comprising a central portion, a plurality of radiating braces extending outwardly thereof, a plurality of arcuate locking flanges transversely secured to the outer ends of said braces, a rim engaging the outer side of said flanges, means for securing said rim to said flanges, a screen plate frame adapted to be positioned between said rim and said central portion and seating at

opposite ends on said braces, said frame having its opposite outer end portions offset to receive said flanges for locking the frame against circumferential movement,



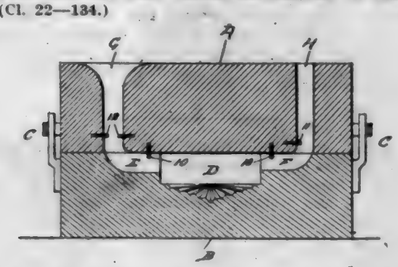
a pair of screen plates adapted to seat in said frame, said plates having openings therethrough for sifting pulverized material, means for holding the plates within the frame, and means for holding the frame to the braces.

1,535,291. PROTECTOR MECHANISM FOR LOOMS. OSBORNE C. CASSELL, Winchester, Va., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed May 21, 1923. Serial No. 640,346. 3 Claims. (Cl. 139—345.)



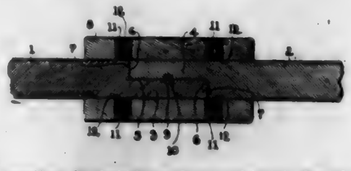
1. In a loom having shipper mechanism, a lay, a protector rod and dagger thereon, and a spring to hold said dagger in knock-off position, the combination of cooperating elements associated with the lay and shipper mechanism, said elements being held in inoperative position so long as the spring is effective to hold the protector dagger in knock-off position, but being released to move to operative position to stop the loom when the spring becomes defective and incapable of holding the dagger in knock-off position.

1,535,292. MOLD WITH MEANS FOR SCORING CASTINGS. MONROE S. CLAWSON, Upper Montclair, N. J. Filed Mar. 14, 1923. Serial No. 625,149. 8 Claims. (Cl. 22—134.)



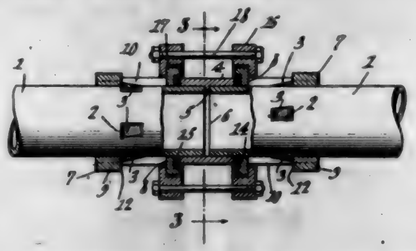
1. In a mold, scoring means for the casting consisting of metallic projections extending into the runners, filling passages and riser.

1,535,293. SHAFT COUPLING. COY CLAY COLLINS, Hillsboro, N. C. Filed Sept. 29, 1921. Serial No. 504,043. 2 Claims. (Cl. 287—104.)



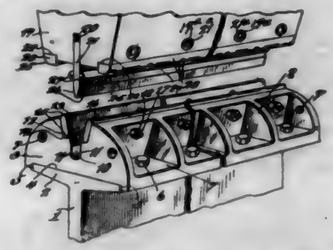
1. A coupling for bobbin and other like shafts of equal and uniform diameter comprising two, like, stepped meeting ends of the shafts, a pin traversing the meeting ends in the plane of the adjacent surfaces thereof and engaging both of said meeting ends, a coupling or sleeve surrounding the stepped meeting ends, and movable both longitudinally and rotatably on said ends, and set screws passed through the coupling and engaging the shaft sections and countersunk in the coupling, the coupling or sleeve being imperforate except at the points where the set screws extend therethrough to prevent loss of said pin therethrough.

1,535,294. PIPE COUPLING. THOMAS S. COLLINS, West Union, W. Va. Filed Mar. 20, 1924. Serial No. 700,665. 2 Claims. (Cl. 285—132.)



1. The combination with a pair of pipe sections having lugs, of a sleeve receiving the pipe sections, couplings surrounding the pipe sections and cooperating at their inner ends with the sleeve, the outer ends of the couplings having grooves for the passage of the lugs, the couplings being rotatable to dispose the grooves out of alinement with the lugs, thereby anchoring the couplings on the pipe sections, collars surrounding and engaging the inner ends of the couplings, and tightening devices connecting the collars.

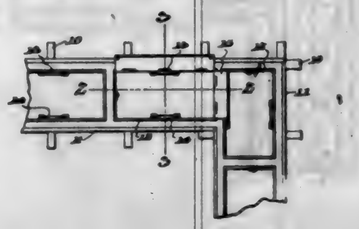
1,535,295. CORRUGATION-FORMING DIES FOR METAL PLATES. WILLIAM M. CONNERY, Philadelphia, Pa. Filed July 16, 1924. Serial No. 726,348. 10 Claims. (Cl. 153—76.)



1. As an article of manufacture, a fixed head provided with a corrugation forming knife, and a removable bolster or head, the latter having a cannel to receive the corrugation when formed by the knife, said cannel having

opposed reversible facing bars with their edges projecting beyond the upper portion of the bolster and over which a plate creeps during the forming of the corrugation, the fixed head having means to straddle the facing bars and acting to depress the opposite sides of the plate the required distance.

1,535,296. MOLD FOR WALL CONSTRUCTION. PAUL C. CHOLL, Pueblo, Colo. Filed Apr. 18, 1922. Serial No. 554,623. 2 Claims. (Cl. 25—131.)



1. A plurality of spaced molds for wall construction, each comprising a box-like device and including an upper pivoted deflecting element, adjacent elements being movable to position for providing chutes having upwardly and outwardly flared walls for guiding plastic cement into the spaces between the molds.

1,535,297. CORING DEVICE. ORMAN W. DICKERSON, Oklahoma City, Okla. Filed Apr. 22, 1922. Serial No. 556,044. 1 Claim. (Cl. 255—61.)



In a coring device for rotary drills, the combination with a drill shoe having a bore and provided in its lower end with a restricted outlet opening and in its side walls with blade receiving openings, of a support shiftable within the bore and having a reduced lower end adapted to engage in said outlet opening, said lower end being adapted for engagement with a coring tool, blind blades carried by the support, a hanger for the support and shiftable within the support, the shifting of said hanger within the support in one direction forcing said blades outwardly for engagement in the blade receiving openings of the shoe, said hanger being provided with a longitudinal bore having an inlet extending through the wall of the hanger at the upper end of the hanger and outlets extending through the wall of the hanger adjacent the lower end thereof and aligning with passages formed in said blades to provide a water course.

1,535,298. ROCKER FOR CHAIRS. JOHN A. DRABINSKY, Camden, N. J. Filed Feb. 0, 1923. Serial No. 618,095. 4 Claims. (Cl. 155—74.)



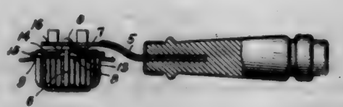
1. A rocker for chairs comprising a curvilinear rocker element, a channel bar secured thereto, slide members adjustably secured on said channel bar, and hinged gripping means mounted on said slide members.

1,535,299. HEADBAND FOR TELEPHONE SETS. VERNON DURBIN, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1923. Serial No. 622,780. 1 Claim. (Cl. 179—156.)



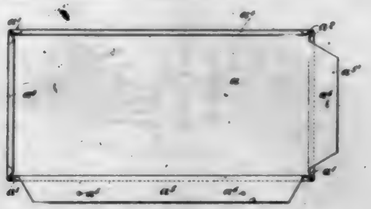
A head band for telephone head sets consisting of a normally curved wire stiffener and a normally straight rubber covering having a central longitudinal hole to receive the stiffener, the covering being unattached otherwise to the stiffener, the tendency of the stiffener to maintain its shape affording head gripping power to the band and the greater resistance of the covering to deformation by bending edgewise than by bending flatwise holding it with one of its flat sides on the inside of the curve imparted by the stiffener.

1,535,300. PIE CRIMPER. JOHN C. FORSTER, Pittsburgh, Pa. Filed Jan. 10, 1925. Serial No. 1,590. 4 Claims. (Cl. 107—49.)



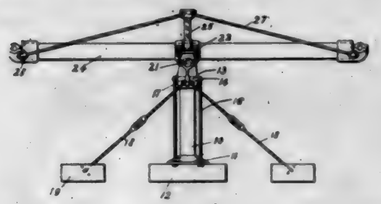
2. A sheet metal pie crimper having in combination a supporting shank, a perforated trimming disc, a crimping wheel having ears extending through the perforations of said disc and secured thereto and means for rotatably mounting said disc and wheel on said shank.

1,535,301. VITREOUS ENAMELED TILE, BRICK, AND THE LIKE. JAMES HENRY EDWARD FRANCIS, Deptford, London, England. Filed Feb. 14, 1924. Serial No. 692,838. 3 Claims. (Cl. 72—18.)



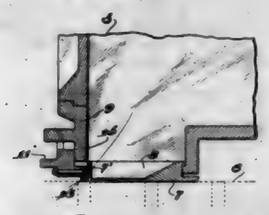
1. A vitreous enameled tile, brick or the like formed from a metal plate having inwardly curved edges, characterized in that said edges throughout their length are each inwardly turned through an angle greater than 90° without joint, as set forth.

1,535,302. DRILLING DEVICE. LOVIAS FAIRY FRASER, Drumright, Okla. Filed Apr. 28, 1924. Serial No. 709,597. 3 Claims. (Cl. 74—5.)



1. In combination, a base, a post rising therefrom, a U-shaped bearing supported by the post, a two part clamp pivoted in said bearings, a tubular beam slidable within the clamp for lateral adjustment with respect to the post, and stay rods terminally connected with the post and ground.

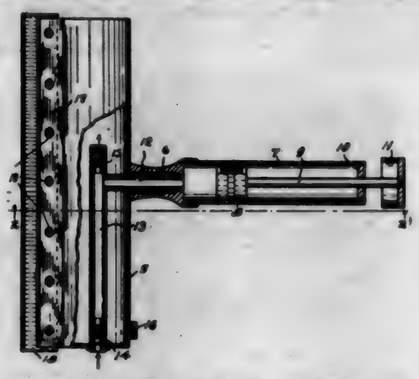
1,535,303. FLOATING STRIKE FOR BRICKMAKING MACHINES. IVAN C. FREY, York, Pa., assignor to Lancaster Iron Works, Inc., a Corporation of Pennsylvania. Filed Nov. 13, 1924. Serial No. 749,746. 8 Claims. (Cl. 25—104.)



1. The combination with a press box from which clay is adapted to be expressed, of a strike-off strip secured to said box at one side thereof for up and down movement with respect thereto, and means for by-passing some of the clay in the box onto the said strip to force it downward.

1,535,304. WINDOW-CLEANING DEVICE. OLOF B. GENDIN, Seattle, Wash. Filed May 15, 1924. Serial No. 713,382. 3 Claims. (Cl. 15—126.)

1. A cleaning device of the class described embodying a liquid receptacle, an elongated cleaning pad carried by said liquid receptacle and having one edge subject to contact with liquid within said receptacle, a handle on said receptacle, and manually operated pump



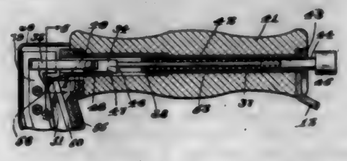
means disposed with said handle for filling said receptacle and for producing a pressure in said receptacle to force said liquid out through said pad.

1,535,305. ATTACHMENT FOR SWIFTS. MARRIETT GREENWAY, Paterson, N. J., assignor of one-third to Charles Ehrentraut and one-third to George Hindle, both of Paterson, N. J. Filed Dec. 22, 1924. Serial No. 757,385. 3 Claims. (Cl. 242—127.)



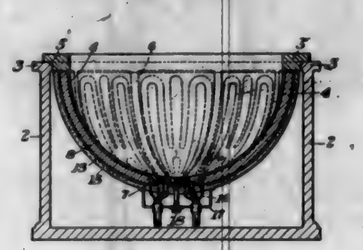
1. A swift including a skein-supporting cross-piece having projecting therefrom substantially radially outwardly spaced separators having precipitate sides and projecting to an extent sufficient to protrude through the skein placed on the swift and adapted to receive between them and positively maintain separated the crossed groups of skein windings.

1,535,306. CONTROLLING MEANS FOR ELECTRICAL DEVICES. JOHN E. HARVEY, Dorchester, Mass. Filed Sept. 13, 1923. Serial No. 662,574. 4 Claims. (Cl. 219—63.)



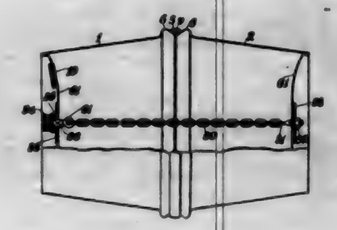
1. In a device of the class described, the combination of a source of power, a switch for connecting the same to the heating element of the device, a thermostat associated with the heating element, a second thermostat associated with said switch and controlled by the first thermostat to operate the switch to disconnect the source of power from the heating element, and manually operable means for controlling said switch independently of the thermostat.

1,535,307. ELECTRIC MELTING POT. ROSCOE C. HAWK, Pittsburgh, Pa. Filed Oct. 17, 1922. Serial No. 595,083. 11 Claims. (Cl. 219—43.)



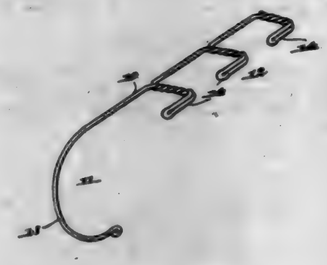
5. In an electric melting apparatus, a melting pot having its outer surface formed with a series of ribs, and a separate heating unit mounted between each pair of adjacent ribs, substantially as described.

1,535,308. CONTAINING VESSEL. HENRY SELBY HELE-SHAW and ERNEST TRIBE, London, England; Charles Tribe executor or administrator of said Ernest Tribe, deceased, assignors to The Kenward Collapsible (Steel) Barrel Company Limited, London, England. Filed Oct. 14, 1921. Serial No. 507,736. 6 Claims. (Cl. 220—6.)



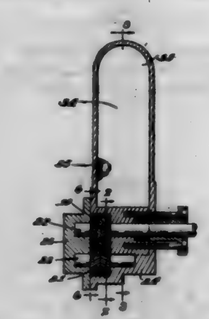
1. A container comprising two detachable portions each closed at one end and open at the other and held together by connecting devices coaxially with their open ends adjacent, inwardly inclined flanges on the open ends of the containers, and a non-mechanically compressed packing ring of flexible material of hollow cross section having a supporting housing at its external diameter and having its inner circumference formed of two free edges inclined correspondingly to the inturned flanges of the containers, the housing being arranged to hold the hollow packing ring within the space between the inwardly inclined adjacent flanges of the two portions of the container and within their outer diameter, and the inturned edges of the hollow ring held by fluid pressure against the outer faces of the adjacent flanges.

1,535,309. HAIR-HOLDING DEVICE. HENRY HILLEBRAND, Saratoga Springs, N. Y. Filed Nov. 12, 1924. Serial No. 749,520. 4 Claims. (Cl. 132—46.)



3. A hair holding device comprising a body portion formed with a relatively large hook at one end for engagement with the ear of a wearer, and a plurality of spaced hooks adapted to extend outwardly from the side of the head for holding the hair off the face.

1,535,310. GEAR PUMP. STANLEY H. HOBSON, Rockford, Ill., assignor to Geo. D. Roper Corporation, Rockford, Ill., a Corporation of Illinois. Filed Aug. 8, 1921. Serial No. 490,757. 3 Claims. (Cl. 103—176.)



1. In a pump of the character described, the combination of a casing having inlet and outlet openings, intermeshing herring-bone gears rotatable in the casing between said openings, each gear being formed of two parts, a supporting shaft for each gear, one of which shaft is adapted for driving, the gear parts on the driving shaft being loosely keyed thereto and the gear parts on the other shaft being fixedly connected together.

1,535,311. PROCESS OF PRODUCING SUBSTANTIALLY PURE IRON. ARTHUR P. HOLLOWAY and SAMUEL PEACOCK, Wheeling, W. Va., assignors to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of West Virginia. Filed June 12, 1924. Serial No. 719,582. 10 Claims. (Cl. 75—27.)

1. The process of producing an iron product exceeding 99 per cent pure iron, which consists in refining said iron with the aid of air in a suitable fuel fed furnace; stopping said refining action when said iron begins to show signs of decarburization; transferring said iron to an electrically heated furnace, raising the tem-

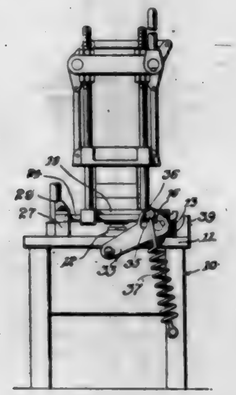
perature in said last named furnace when out of contact with air to a point higher than is practicable in a fuel-fed furnace sufficiently for any carbon present to reduce any iron oxide present; and agitating the molten mass and feeding iron oxide thereto sufficient for the metalloids present to be reduced to less than 0.15 per cent.

1,535,312. WATERPROOF COVERING FOR CAMERAS. RICHARD THOMAS HOSKING, Wilmette, Ill. Filed Sept. 15, 1923. Serial No. 663,005. 1 Claim. (Cl. 150—52.)



The combination with a motion picture camera having a lens and an operating crank, of a flexible waterproof covering for said camera having a yielding opening to permit the projection of said lens therethrough, said camera having an elongated water-tight gland through which said operating crank is projected, and a packing nut at the outer end of said gland by means of which said gland may be projected through a suitable opening formed in said water-tight covering, whereby the union between said covering and said gland is rendered water-tight by tightening said packing nut.

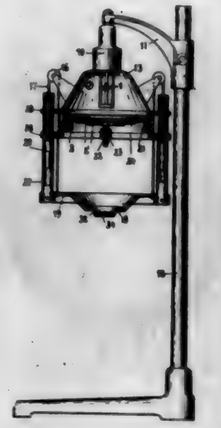
1,535,313. DIE-CASTING MACHINE. CHARLES F. HUMMEL, Ilion, N. Y. Filed Mar. 8, 1924. Serial No. 697,774. 10 Claims. (Cl. 22—91.)



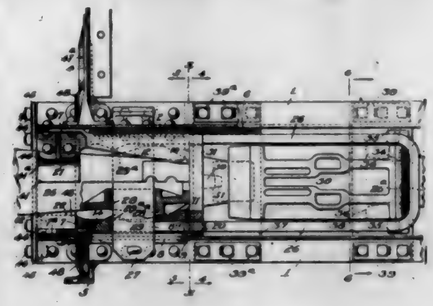
1. In a casting machine, a mold support, means to lock the mold support in its lowered position and means to unlock and raise the support in a single operation.

1,535,314. THERAPEUTIC-LIGHT APPARATUS. VICTOR THODOR JULIN, Djursholms-Danderyd, Sweden. Filed Feb. 26, 1923. Serial No. 621,423. 7 Claims. (Cl. 240—1.)

1. Apparatus for decomposing light and applying selected rays thereof comprising a source of light, a light dispersing annular prism capable of collecting the refracted rays of equal color substantially to the same point, and a disc with a central opening adjustable with regard to said prism in such manner that only the refracted rays of the color to be applied meet the central opening of the disc.



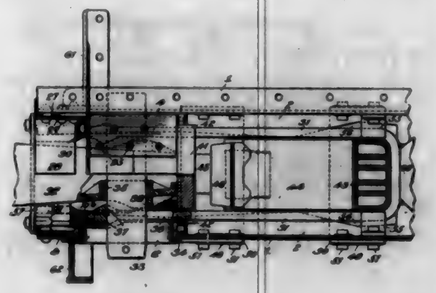
1,535,315. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Mar. 20, 1916, Serial No. 85,427. Renewed Mar. 3, 1925. 39 Claims. (Cl. 213—40.)



1. In a draft rigging and in combination with the coupler, a horizontally disposed yoke, and cushioning mechanism therefor, of a follower, means for supporting the same, a projection on said follower, adapted to contact with said supporting means, said projection serving as means for alining the cushioning mechanism and the follower, and means on said follower for supporting the yoke.

1,535,316. DRAFT RIGGING. BYERS W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed May 21, 1918, Serial No. 235,877. Renewed Mar. 3, 1925. 24 Claims. (Cl. 213—40.)

1. In a draft rigging the combination with a yoke, and cushioning mechanism of draft sills, cheek plates attached thereto, said sills and cheek-plates being provided with registering slots, said cheek-plates also being provided adjacent the rear end of the said slot with spaced stop faces, the said yoke arms being adapted to



extend between the spaced stops on the said cheek plates, the portions of the cheek-plates in the rear of the ends of the said slots being hollow in cross section.

1,535,317. PROCESS OF ANNEALING STEEL SHEETS. IRVIN JOHN KOEHNLINE, Bridgeport, Ohio, and SAMUEL PEACOCK, Wheeling, W. Va. Filed Jan. 6, 1925. Serial No. 882. 2 Claims. (Cl. 148—4.)

1. The process of annealing thin steel sheets at relatively high temperatures while preventing said sheets from sticking together which consists in coating the surfaces of said sheets with separating layers of an alkali earth hydroxide, and subjecting the coated sheets to an annealing temperature above 800° C.

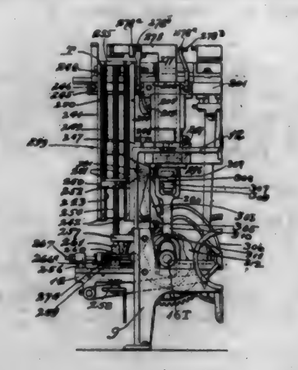
1,535,318. APPARATUS FOR ELECTROPLATING. IRVIN JOHN KOEHNLINE, Bridgeport, and WILLIAM EARL ARMSTRONG, Martins Ferry, Ohio. Filed Aug. 16, 1923. Serial No. 657,757. 5 Claims. (Cl. 204—11.)



1. In electro-plating apparatus, a tank for containing an electrolyte, a table arranged for rotation within said tank, an upright shaft about which said table rotates, means for driving said shaft, a sleeve splined on said shaft and rigidly attached to said table, anodes removably mounted on said table, means for holding articles to be plated on said table in spaced relation to said anodes, means connected to the positive pole of an electrical circuit supplying current to said sleeve, current conducting means between said sleeve and said anodes, and current conducting means leading from the negative pole of said circuit and arranged to be detachably connected to said articles to be plated.

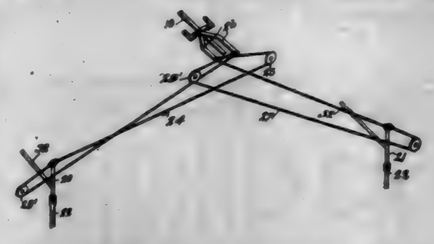
1,535,319. BINDER-BLANK FEED MECHANISM. ALOYSIUS JOSEPH KUSTERER, Richmond, Va., assignor to Consolidated Paper and Box Manufacturing Company, Richmond, Va., a Corporation of Virginia. Original application filed May 29, 1920, Serial No. 385,361. Divided and this application filed Aug. 10, 1921. Serial No. 491,222. 12 Claims. (Cl. 271—62.)

1. In a tray forming mechanism, the combination of a guide for blanks, a magazine adapted to hold a stack of oblong blanks transversely of the guideway, an oscillating arm adapted to transfer blanks from the magazine to the guideway, said arm moving through an angle of ninety degrees whereby to deposit the blanks



lengthwise of the guideway and a rigid abutment at the top of the stack for preventing the stack from raising above a certain height.

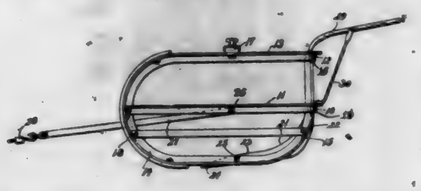
1,535,320. GATE. HENRY G. LANE, Colquitt, Ga. Filed July 6, 1920. Serial No. 394,149. 1 Claim. (Cl. 39—57.)



The combination with a gate post and a gate, of a vertically disposed rod secured to said gate at the upper and lower ends thereof, the upper securing point lying in a plane slightly in advance of the lower securing point thereby arranging said rod at a slight inclination with respect to the ground, a fixed socket secured to said post adjacent the lower end thereof, an angular shaped lever pivotally mounted intermediate its ends on the upper surface of said post, a socket provided at one end of said lever, spherical extremities formed on said rod and each extremity adapted to be received in the adjacent socket, a frame supported on the upper end of said post, an arcuate shaped bar terminally secured to said frame and provided at spaced intervals with notches arranged on the outer edge thereof, a pair of pivoted pawls carried by the angular end of said lever and adapted to normally engage the adjacent notch, a pair of pulleys carried by said frame and arranged at opposing points thereon, a fixed member arranged on each side of the gate, a vehicle actuated element pivotally secured to each fixed member, a pulley projecting from each fixed member, a cable one end of which is secured to one vehicle actuated element while the other end is trained over the adjacent pulley thence extending past the nearest pawl and through the other pawl, thence back toward its secured point and trained over one frame pulley and then directed toward the opposite fixed member pulley trained thereover and secured to the opposite vehicle actuated element, a second cable having one end secured to the last mentioned vehicle, actuated element and passed through the first mentioned pawl and thence trained over the opposite frame pulley and

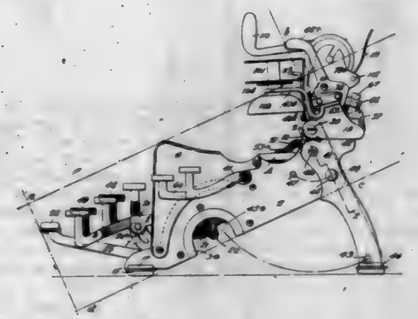
thence directed toward and secured to the first mentioned vehicle actuated element as and for the purpose specified and spring means for retaining the vehicle actuated elements in a vertical position.

1,535,321. STONE-GATHERING MACHINE. PETER L. LARSEN and JAMES O. ELLIS, Paul, Idaho, assignors of one-ninth to Eddie McDonald and two-ninths to Lester G. Taylor, both of Paul, Idaho. Filed Oct. 31, 1923. Serial No. 672,031. 3 Claims. (Cl. 55—17.)



1. A device of the character described comprising upper and lower frame bars of U-shape, the arms of the upper bar being bent downwardly and rearwardly and secured to define runners, draft links connected with the runners, an evener connected with the draft links, a transverse bar connecting said curved arms, a hand lever connected with the bars for dumping the device, and a plurality of teeth secured to the bight portions of said bars and extending forwardly with their lower surfaces traveling along the ground.

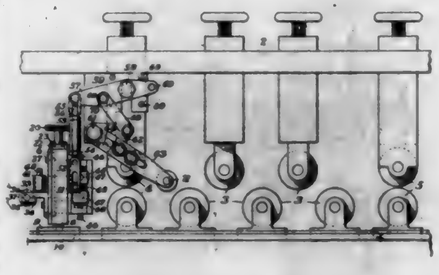
1,535,322. TYPEWRITING MACHINE. EMMIT G. LATTA, Syracuse, N. Y. Filed July 7, 1921. Serial No. 482,974. 34 Claims. (Cl. 197—186.)



1. In a typewriting machine, the combination of a main frame, a universal bar supported by the main frame, a folding frame mounted on said main frame, a platen and a ribbon vibrator supported on the folding frame and a link connecting the universal bar to the vibrator and having a pivoted connection at each end, and means for shifting one end of the link either up or down from its normal central position.

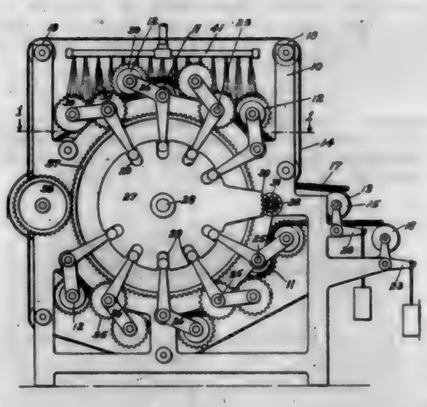
1,535,323. TWISTER. JACOB T. LEECH, Beaver, Pa., assignor to Union Drawn Steel Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Oct. 21, 1924. Serial No. 744,874. 9 Claims. (Cl. 153—78.)

1. The combination with a twister for taking the twist out of work, said twister having means adapted to be set to different positions for imparting the desired reverse twist to the work, of means for drawing the work through the twister and holding the portion of the work engaged thereby against rotation, and means for



automatically setting said first-mentioned means in the desired position after it has been engaged by said second-mentioned means, substantially as described.

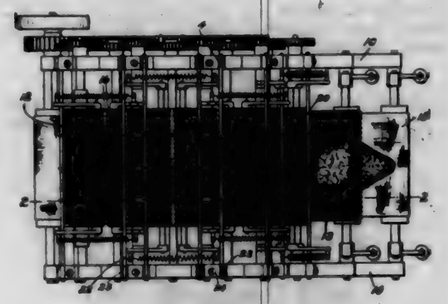
1,535,324. MACHINE FOR SHRINKING FELT ARTICLES. WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 23, 1923. Serial No. 647,312. 17 Claims. (Cl. 28—6.)



11. In a machine of the character described, a bat carrying belt, staggeredly and generally circularly arranged supporting rolls and deflecting rolls forming a generally circular and wavy path for said belt and the bats carried thereby, a driven shaft journalled centrally of said rolls, a large gear fixed on each end of said shaft, gears on one end of some of said rolls meshing with one of said large gears, and gears on the other end of other of said rolls meshing with the other large gear.

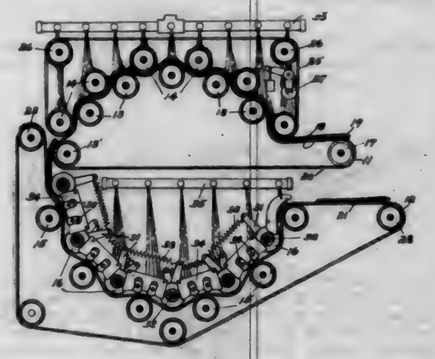
1,535,325. MACHINE FOR SHRINKING FELT ARTICLES. WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed June 25, 1923. Serial No. 647,587. 16 Claims. (Cl. 28—6.)

1. In a machine of the character described, a plurality of generally circularly arranged supporting rolls forming a circular track-way, a bat carrying belt supported thereby for travel in a generally circular path, a second belt paired with the first one for a portion of



the circular path of the latter, and cylindrical members having rolling contact with that portion of the operative face of said first belt not paired with said second belt.

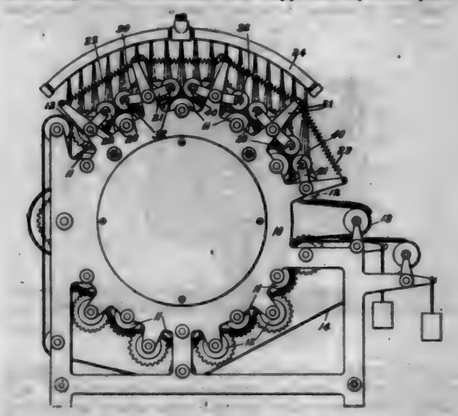
1,535,326. MACHINE FOR SHRINKING FELT ARTICLES. WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 16, 1923. Serial No. 651,700. Renewed Oct. 22, 1924. 8 Claims. (Cl. 28—6.)



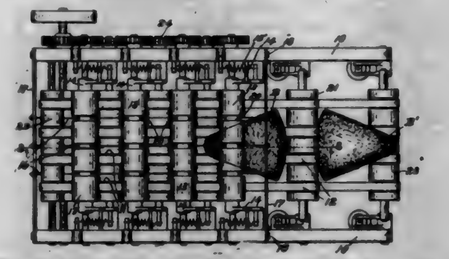
1. In a machine of the character described, a plurality of generally circularly arranged supporting rolls and deflecting rolls therebetween, a belt passing in a generally semi-circular path between the supporting rolls and deflecting rolls at the top of the machine and returning through the center of the machine to the forward end thereof, and a second belt passing between the supporting and deflecting rolls at the bottom of the machine and carrying the bats from the delivery end of said first belt to the forward end of the machine.

1,535,327. MACHINE FOR SHRINKING FELT ARTICLES. HOMER A. GENEST, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 16, 1923. Serial No. 651,710. 15 Claims. (Cl. 28—6.)

7. In a machine of the character described, supporting rolls, wave rolls in staggered relation thereto, a bat carrying belt passing between said rolls, pressure rollers interposed between said wave rolls and mounted for movement relative to said belt, and stripper plates straddling said wave rolls and supported by said pressure rollers and arranged to prevent the bats from wrapping themselves upon said wave rolls and pressure rollers.

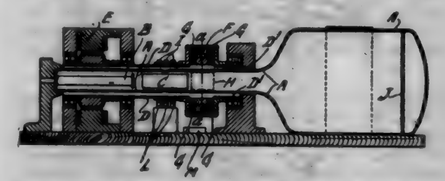


1,535,328. MACHINE FOR SHRINKING FELT ARTICLES. WILLIAM A. LORENZ, Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 16, 1923. Serial No. 651,701. Renewed Sept. 22, 1924. 11 Claims. (Cl. 28—6.)



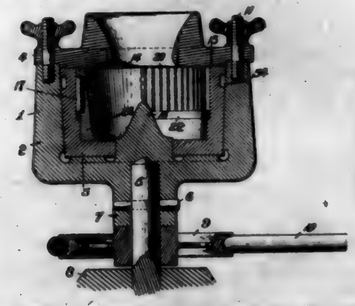
7. In a machine of the character described, supporting rolls, transversely spaced apart endless tapes passing over said rolls, cylindrical members engaging the bat carrying face of said tapes and the bats carried thereby, and stripper rods in fixed position above said tapes and beneath the axes of said cylindrical members, said stripper rods intersecting the peripheries of said members.

1,535,329. MEANS FOR OBTAINING THE POLAR DIAGRAM OF AN ALTERNATING-CURRENT WAVE. JOHN TURNER MACGREGOR-MORRIS and FRANK RAYMOND FABER RAMSAY, London, England. Filed Feb. 5, 1923. Serial No. 617,118. 9 Claims. (Cl. 171—95.)



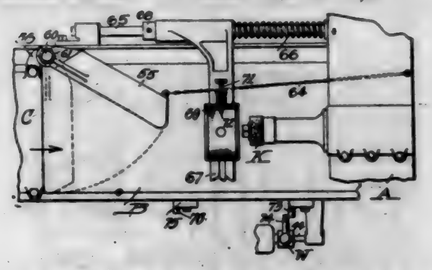
1. The combination with a cathode ray tube having a fluorescent screen of a device adapted to deflect the cathode rays, means for applying an alternating current wave to that device and means for rotating the device in synchronism with the wave.

1,535,330. METHOD OF CENTRIFUGAL CASTING. CHESTER B. MILLS, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed July 17, 1919. Serial No. 311,489. 14 Claims. (Cl. 22—65.)



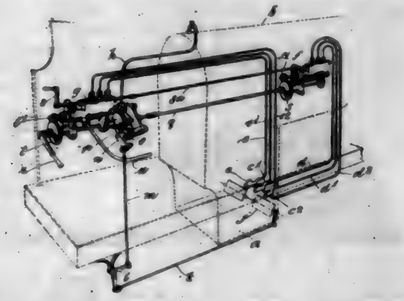
1. A mould, comprising a pot mounted for rotation on a vertical axis, a form adapted to fit into said mould, said form being provided with means for holding inserts, and a cover for said pot having an opening therethrough.

1,535,331. GRINDING MACHINE. MYLES MORGAN, Worcester, Mass., assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass., a Corporation of Massachusetts. Filed Feb. 3, 1921. Serial No. 442,258. 3 Claims. (Cl. 51—268.)



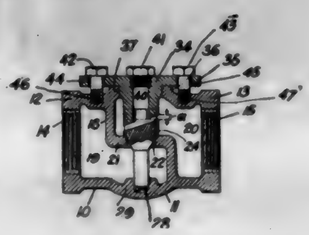
1. In a grinding machine, the combination of a reciprocating table, a work-holding head, a cover or guard attached to said head, and a connection thereto so that the cover will be automatically opened when the table moves to retracted position.

1,535,332. FURNACE ADAPTED FOR BURNING OIL AND OTHER PROJECTABLE FUELS. NORMAN HUSON MORRIS, London, England. Filed Apr. 21, 1924. Serial No. 707,944. 10 Claims. (Cl. 158—28.)



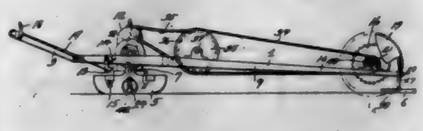
6. In control mechanism for a furnace comprising a plurality of burners, the combination of co-ordinated fuel and steam valves adapted for two different phases of control one phase being that of graduated simultaneous admission of fuel and steam to all of the burners and the other phase being that of graduated admission of fuel and steam to the different burners in sequence, a common control for said valves and an air admission damper device operatively connected with said common control, substantially as set forth.

1,533,333. VALVE. ALBERT W. MORSE, Long Island City, N. Y. Filed Mar. 28, 1923. Serial No. 628,239. 5 Claims. (Cl. 251—127.)



1. In a valve structure of the type in which a valve is fitted into its seat by pressing one upon the other, a casing having a valve seat, a valve and a cap having lugs and a slot, coacting with each other, for the purpose of reassembling the valve into its seat in only the position in which it was fitted, and a plug through the said cap to permit of refitting the valve into its seat in the same position.

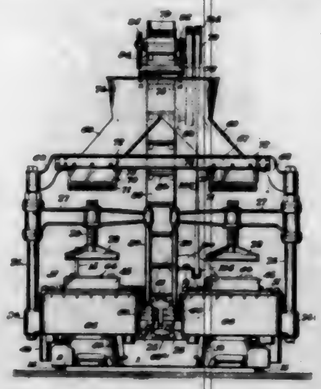
1,535,334. ICE-CUTTING MACHINE. EDWARD ALBERT NEW, Great Barrington, Mass. Filed Mar. 29, 1922. Serial No. 547,799. 1 Claim. (Cl. 262—20.)



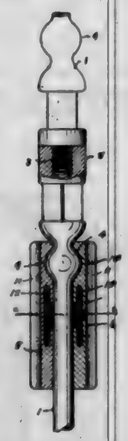
The combination with an ice cutting machine comprising a frame, a handle member carried by the frame, supporting runners pivotally connected to the frame adjacent the rear end, an engine supported by said runners, a rotatable sawing element carried by the forward end of the frame and driven by the engine, a lug carried by one of the runners rearwardly of the pivotal point of the frame, a hooked member pivoted to the frame rearwardly of the pivotal point of the frame and cooperating with said lug for holding the frame in tilted position, said hook being controllable from adjacent the handle member.

1,535,335. APPARATUS FOR MAKING SAND MOLDS. WILLIAM H. NICHOLLS, Brooklyn, N. Y. Filed Nov. 14, 1922. Serial No. 600,923. 22 Claims. (Cl. 22—9.)

1. A mold making apparatus comprising a wheeled truck, a pneumatically operated mechanism for jolting and then squeezing the mold and means for withdrawing the pattern from the completed mold all mounted on the truck, a sand delivery hopper supported on the truck above the mold making mechanism, a gate to control the discharge of sand to the mold making mechanism, a sand receiving hopper supported by the truck and in front of the mold making mechanism, a sand riddling means in said hopper, a conveyor mounted on the truck and arranged to take the sand from the receiving hopper to the delivery hopper, an electric motor supported by the truck, driving means connecting said motor to the conveyor and to the sand riddle, a flexible hose connection between the pneumatically operated mold making mechanism and a source of air supply, circuit wires connecting the electric motor to a source of electric current, and means for advancing the truck, step by step, toward the sand supply.



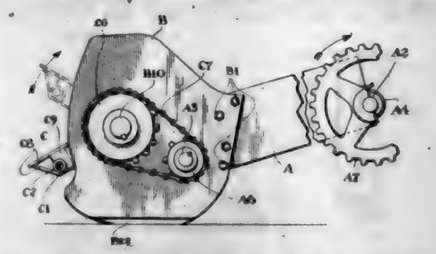
1,535,336. ROD PROTECTOR. JEDDY D. NIXON, Houston, Tex. Filed Dec. 5, 1924. Serial No. 754,051. 6 Claims. (Cl. 308—4.)



1. A rod protector formed of lengthwise sections designed to conform to and fit around a rod when in assembled relation, and a tie member within the protector and securing the sections in assembled relation.

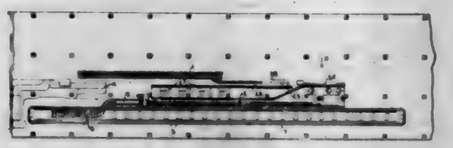
1,535,337. LOADING MACHINE. FRED OLDROYD, Cincinnati, Ohio. Filed Aug. 15, 1923. Serial No. 657,599. 35 Claims. (Cl. 198—9.)

1. In a conveyor structure for machines of the nature described, the combination of means on said structure for conducting material rearward lengthwise on said structure, a rotary structure located at the forward end of the conveyor structure and including a blade member slidable transversely to said structure, and means for sliding said blade member forward during the rotations of the rotary structure, whereby during the upward movement of the forward part of the blade member,



said forward part will project for the taking and upward and rearward carrying of material, substantially as described.

1,535,338. CONVEYER FOR TIRE FACTORIES. MAX H. PADE, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Mar. 17, 1920. Serial No. 366,595. 24 Claims. (Cl. 198—19.)



1. Apparatus for transporting articles to a plurality of stations, one of which comprises a series of heating units, said apparatus comprising, in combination, a horizontally disposed conveyer surrounding the units, a platform above the conveyer comprising one of the stations, an elevator for lifting articles to the platform, and a gravity runway between the conveyer and the elevator.

1,535,339. PROCESS FOR ELECTROLYTICALLY DEPOSITING ELEMENTAL CHROMIUM UPON METALS. SAMUEL PEACOCK, Wheeling, W. Va. Filed May 10, 1924. Serial No. 712,451. 5 Claims. (Cl. 204—19.)

1. The process of coating a metal with chromium which consists in preparing a fused bath of an alkali metal chromium fluoride; adding to said bath a basic sodium silicate; employing the metal to be coated as the cathode in said bath, and plating out the chromium present by passing a current from said bath to said cathode.

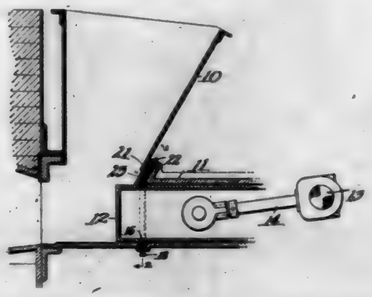
1,535,340. RUST-RESISTING MILD STEEL AND PROCESS OF PRODUCING THE SAME. SAMUEL PEACOCK, Wheeling, W. Va., assignor to Wheeling Steel Corporation, Wheeling, W. Va., a Corporation of Delaware. Filed Mar. 14, 1924. Serial No. 699,315. 1 Claim. (Cl. 75—1.)

The herein described mild steel of a high corrosion resistance, the same containing not less than 0.1% and not more than 0.3% of each of the metals copper and tin.

1,535,341. PACKING CONSTRUCTION FOR STOKER PLUNGERS. ROBERT SANFORD RILEY, Worcester, Mass., assignor to Sanford Riley Stoker Co., Ltd., Worcester, Mass. Filed Dec. 4, 1918, Serial No. 265,236. Renewed Feb. 13, 1922. Serial No. 536,341. 1 Claim. (Cl. 110—109.)

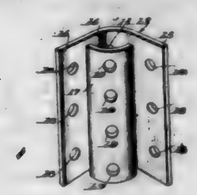
An automatic underfeed stoker having, in combination, a coal hopper, a cylinder opening into the lower portion of said hopper and having an annular recess

adjacent its inner end, a piston loosely slidable in said cylinder, mechanical means to reciprocate said piston, and means to prevent the escape of coal past said piston, said means comprising a split metal ring positioned in



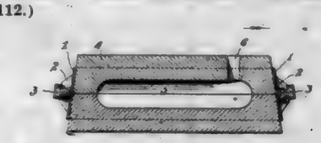
said recess and yieldingly engaging said piston, said ring and recess having associated inclined walls cooperating to force said ring against said piston as the latter moves away from said hopper.

1,535,342. COMBINED CLAMP AND CONNECTION. GEORGE WASHINGTON ROSS, Healdton, Okla. Filed Aug. 2, 1923. Serial No. 655,351. 3 Claims. (Cl. 189—19.)



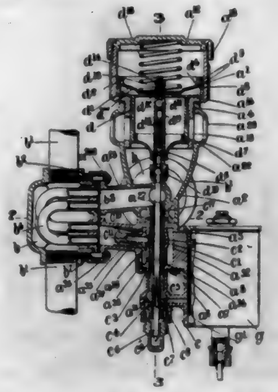
1. A combined clamp and connection for the leg sections, girts and braces of a tubular steel tower or derrick comprising a clamp member having a curved plate constituting the body portion of the clamp member and adapted to be snugly fitted against the peripheries of adjacent leg sections, the curved plate overlapping the ends of adjacent leg sections, divergent wings integral with the curved plate and affording connecting means for the girts and braces, a cooperating clamping plate adapted to be fitted against the ends of adjacent leg sections in the space between the divergent wings, and fastening means for urging the clamping plate and clamping member into clamping engagement with said leg sections.

1,535,343. SLIP JACKET AND METHOD OF MAKING IT. EDWARD P. ROTHACKER, Cleveland, Ohio. Filed Jan. 14, 1920. Serial No. 351,447. 18 Claims. (Cl. 22—112.)



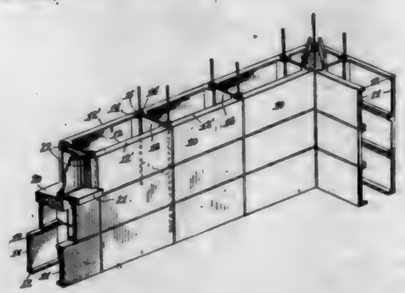
1. The method of casting a slip jacket which consists in making a male sand mold section, fashioning the top of a larger female sand mold with gate sprue, and cutting a sprue through said female sand mold to cause it to communicate with said gate sprue, and introducing molten metal to said sprues.

1,535,344. CARBURETOR. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,285. 2 Claims. (Cl. 261—48.)



1. In a carburetor, a body member comprising two cylindrical elements, one within and fitting the other, the outer member having an enlarged part provided with ports, the inner element also being provided with ports, means forming an air passage leading from the space between said elements, and an axially sliding cylindrical member the movement of which closes or uncovers the ports of the said inner element while the ports of the said outer element are always open to the air, the main air supply flowing through the ports of both elements and a subsidiary air supply through the ports of the outer element and said passage.

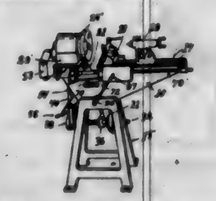
1,535,345. CONCRETE BUILDING CONSTRUCTION. FRANK MCMURRAY SAWYER, Los Angeles, Calif. Filed Aug. 21, 1922. Serial No. 583,111. 7 Claims. (Cl. 72—30.)



1. A concrete building construction formed in part with a series of pre-cast concrete slabs having tile-like edge flanges on opposite sides which extend the full width of the slabs, said edge flanges being concave on their outer sides to form continuous concrete-receiving pockets between adjacent slabs when they are erected edge to edge.

1,535,346. LATHE. WILLIAM L. SCHELLENBACH, Wyoming, Ohio. Filed Apr. 17, 1922. Serial No. 553,612. 12 Claims. (Cl. 82—2.)

1. In a lathe a lathe headstock comprising a headstock frame, a cone pulley shaft journaled to said frame and provided with a cone pulley and a gear, a speed changing shaft journaled to said headstock frame and adjustable endwise relative thereto, said speed changing shaft being provided with a plurality of gears of different diameters one of which meshes with and is driven from the gear on the cone pulley shaft, and a lathe spindle journaled to said headstock frame and provided with a plurality of gears through which said lathe spindle may be driven at relatively different speeds from the gears on said speed changing shaft.



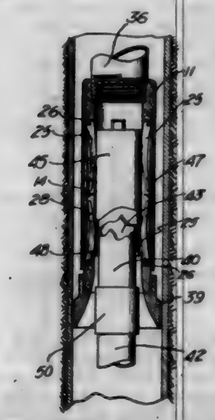
8. In a lathe a lathe bed, legs supporting said lathe bed, a countershaft mounted on one of said legs, a driving pulley loosely mounted upon said countershaft, a yieldingly energized clutch member splined to said shaft and tending to normally clutch said driving pulley to said countershaft, a shoe operable to release said clutch member from said driving pulley and at the same time to abruptly arrest the rotation of said counter shaft, means manually operable from the front of the lathe to actuate said shoe, and means to drive a lathe spindle from said counter shaft.

1,535,347. MOLDER'S CHAPLET. PETER J. SCHMITZ, Rock Island, Ill. Filed Sept. 1, 1923. Serial No. 660,656. 2 Claims. (Cl. 22—184.)



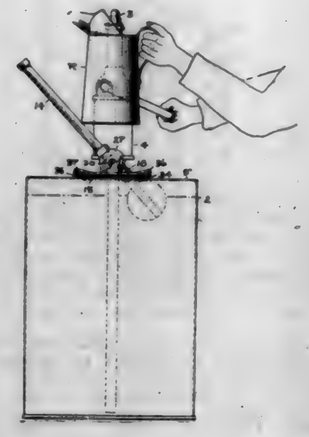
1. A device of the class described, comprising a thin metal plate, having one or more bars struck therefrom into spaced relation therewith, and united with said plate by integral braces converging towards said bars.

1,535,348. CUTTING-OFF TOOL. AUGUST L. SKOGLHORST, Whittier, Calif. Filed Sept. 18, 1922. Serial No. 588,840. 14 Claims. (Cl. 81—189.)



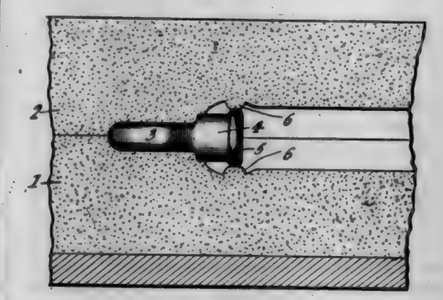
1. In a rotary cutting off tool the combination of: a cutter supporting body; cutter members associated with said body in resiliently projecting positions; and means for lifting said cutter members over projections as said body is moved along the pipe.

1,535,349. OIL-DISPENSING DEVICE. CHARLES SPAETH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 13, 1923. Serial No. 612,540. 16 Claims. (Cl. 221—72.)



1. An oil dispensing apparatus, comprising a receptacle having a delivery spout, and an oscillatory drain pipe having a horizontal axis intersecting a straight line from the mouth of said spout to the interior of said receptacle.

1,535,350. METHOD OF MAKING SWIVEL LINKS. EUGENE C. STACY, Tiffin, Ohio. Filed July 2, 1924. Serial No. 723,778. 3 Claims. (Cl. 22—203.)

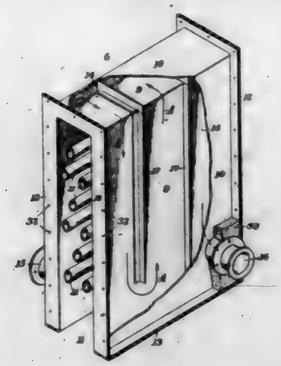


1. The herein described method of producing a swivel link which consists in placing an eye member within a mold, forming sand nodes within the molds so as to extend toward and touch the swivel member, and then pouring molten metal into the mold, said nodes constituting means for providing seepage of gas generated around the eye member during the pouring of the metal.

1,535,351. HEAT EXCHANGER. JAMES A. STAIRS, Pittsburgh, Pa., assignor to The Calorizing Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Feb. 7, 1924. Serial No. 691,148. 14 Claims. (Cl. 263—15.)

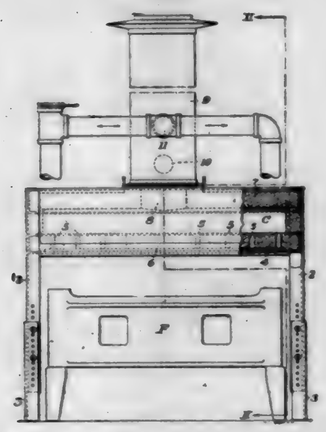
1. The combination with a furnace, of a plurality of recuperator units arranged in end to end relationship

lengthwise of the furnace and adapted to receive waste gases from the furnace, and means connecting said units



in parallel for producing an initial fluid flow individually therethrough, substantially as described.

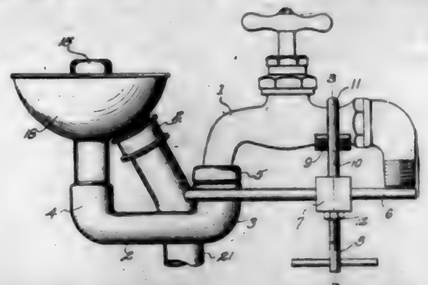
1,535,352. FURNACE. JAMES A. STAIRS, Pittsburgh, Pa., assignor to The Calorizing Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Mar. 1, 1924. Serial No. 696,387. 7 Claims. (Cl. 263—9.)



1. The combination with an open furnace, of a frame cooperating therewith and supported independently of the furnace, and a roof carried by said frame above the furnace, substantially as described.

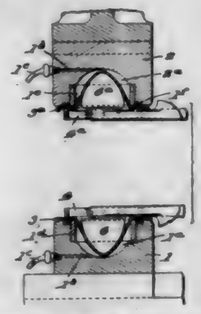
1,535,353. ATTACHMENT FOR FAUCETS. MERLE D. STALDER, Lincoln, Nebr. Filed Jan. 29, 1923. Serial No. 615,698. 1 Claim. (Cl. 285—108.)

A means for attaching a drinking fount to a faucet, comprising a U-shaped member arranged around the neck portion of the pipe element of the drinking fount in which the non-threaded end of a faucet is received, a block having openings through which the arms of the U-shaped element pass, a yoke arranged over the body of the faucet having threaded arms passing through openings in the block, nuts screwed on said arms in contact with the block, a screw centrally threaded through the block, a cross sectionally U-shaped element



swivelly connected with the screw, contacting with the under face of the faucet body and forced in engagement therewith by the adjustment of the screw.

1,535,354. METHOD OF MAKING HOLLOW RUBBER ARTICLES. CHARLES W. STEBLE and RICHARD T. GRIFFITHS, Akron, Ohio, assignors to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 569,492. 7 Claims. (Cl. 18—56.)



7. The herein described method of forming hollow plastic articles which consists in holding a pair of blanks about the edges of opposed die cavities, forcing said blanks into said cavities to cup the same without contact with the walls of the cavities, simultaneously venting the cavities and preventing the return of escaping air, the cupping being carried beyond the required degree, whereby the inherent elasticity of the material causes a partial retraction, subsequently diecing together such partially retracted blanks with an interposed gasifying medium, and finally vulcanizing the article in a closed mold.

1,535,355. HAIRPIN. SOTOZO TANAKA, Seattle, Wash. Filed Apr. 2, 1924. Serial No. 703,722. 1 Claim. (Cl. 132—50.)



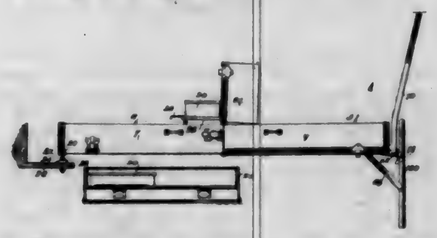
A hair pin formed from a single strand of wire comprising substantially parallel prongs joined at the base of the pin by a coiled spring whereby the prongs are held yieldably together with their ends in straight alinement; said prongs being bent back and forth along their outer portions so as to cross each other at a plurality of points and along their inner portions being extended beyond the spring portion to form handles that may be pressed together to cause the prongs to spread apart.

1,535,356. SEWING-MACHINE ATTACHMENT. ALONSO O. THOMAS, Datil, N. Mex. Filed Apr. 1, 1922. Serial No. 548,614. 5 Claims. (Cl. 112—235.)



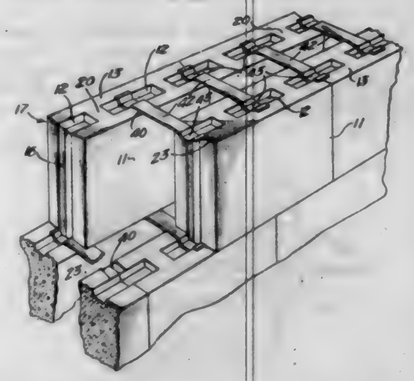
1. In a device of the character described, a skeleton foot comprising a piece of wire bent upon itself to form spaced cloth engaging parts and having its ends inturned to form a pivotal axis for said foot.

1,535,357. TRAVELING KIT. JESSE M. THOMAS, Tampa, Fla. Filed Jan. 9, 1924. Serial No. 685,223. 5 Claims. (Cl. 190—12.)



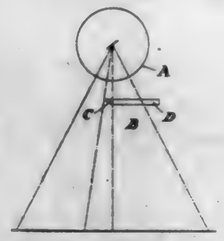
1. A foldable bed comprising a pair of sections having side rails hingedly connected, bracing links connected at their outer portions to said side rails and having their inner portions pivotally connected, and a U-shaped bracing member having the end portions thereof pivotally connected with the inner end portions of said links.

1,535,358. BUILDING TILE. EDGAR R. THORNTON, Long Beach, Calif., assignor of one-half to Alice A. Thornton, Long Beach, Calif. Filed Nov. 20, 1922. Serial No. 602,003. 4 Claims. (Cl. 72—43.)



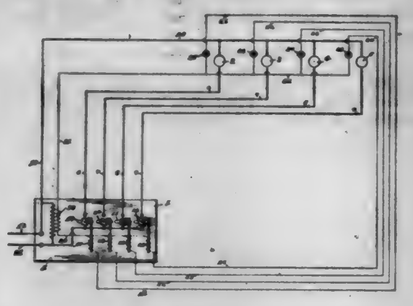
3. In a double wall, the combination of: tile laid up to form two parallel walls, each of said tile having a ridge extending horizontally in said wall and extending into a channel in an adjacent tile; and flat plates, each fitting at one end into said channel under its associated ridge in one wall and at the other end into a channel in the other wall.

1,535,359. X-RAY FILTER OR SCREEN. SINCLAIR TOUSEY, New York, N. Y. Filed Dec. 28, 1920. Serial No. 433,682. 1 Claim. (Cl. 250—34.)



The process of obtaining a substantially uniform radiographic effect from X-rays transmitted through an object whose X-ray opacity is variable, which consists in additionally variable filtering the transmitted rays so that substantially the same obstruction is placed in the path of said rays over the entire field covered by the object.

1,535,360. ELECTRIC HOUSE OR LIGHTING CIRCUIT. HENRY F. VICKERY, Wellington, New Zealand. Filed June 29, 1923. Serial No. 648,615. 3 Claims. (Cl. 171—97.)

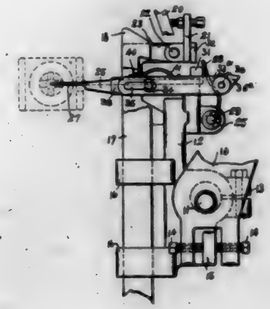


1. An electric wiring circuit comprising a primary circuit of relatively high potential including a common return lead directly connected with a plaurality of electrical elements; a plurality of control switches mounted upon a common switch board relatively remote from the electrical elements; a common supply lead connected through the switches with the electrical elements; electromagnetic operating means mounted upon the switch board in association with each control switch for independently operating the same to connect and disconnect their respective elements form the source of energy; a secondary circuit of relatively low potential connected to the electro-magnetic switch operating elements and having no metallic connection with the primary circuit; and manually operated switches associated with each electrical element and connected through the secondary circuit to the corresponding switch operating means for energising the same to actuate their respective control switches.

1,535,361. COMPOSITION OF MATTER FOR TIRE FILLERS. WILLIAM L. VON EDELKRANTZ, San Francisco, Calif. Filed Aug. 13, 1923. Serial No. 657,188. 2 Claims. (Cl. 134—17.5.)

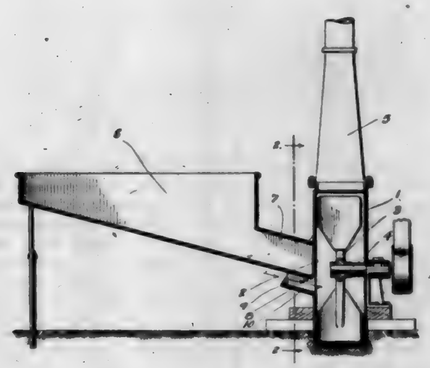
2. The herein-described composition of matter consisting of gelatine, water, glycerine, dextrin, oxide of zinc, glucose and formaldehyde, proportioned substantially as described to form a light, porous, and resilient tire filler.

1,535,362. WEFT-DETECTING MECHANISM. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 5, 1922. Serial No. 549,934. 4 Claims. (Cl. 139—276.)



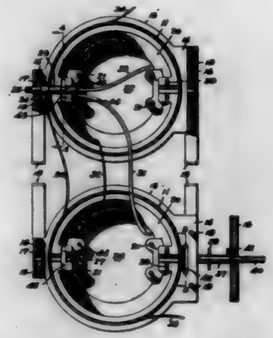
1. In a weft detecting mechanism, a plurality of elongated movable plungers, a single yielding device engaging said plungers and effective to return all of said plungers to normal rearward position, and additional means to resist longitudinal weft-indicating displacement of separate plungers in every position of said yielding device.

1,535,363. FAN BLOWER. HALBERT C. WALLACE, Kansas City, Mo. Filed Feb. 5, 1923. Serial No. 616,951. 1 Claim. (Cl. 302—37.)



A fan blower comprising a casing having an air impeller therein, the casing having a side opening, in combination with a hopper having a discharge chute emptying into the casing through the opening, the bottom of the chute being spaced from the lower edge of the opening to provide an air space below the chute whereby air may enter the casing in transverse stream lines below the discharge end of the chute to float the material in a solid stream discharged from the hopper before it is driven through the casing and a flange at the lower edge of the opening and extending substantially parallel with the hopper, the flange having side walls for forming a space substantially co-extensive with the portion of the opening which is below the discharge end of the chute.

1,535,364. VARIOMETER. RUSSELL W. CAMFIELD, Berkeley, and ERNEST G. DANIELSON, San Francisco, Calif. Filed Feb. 7, 1923. Serial No. 617,458. 5 Claims. (Cl. 171—242.)

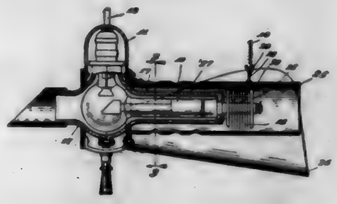


1. In a variable inductor, a stationary coil structure, a rotatable coil structure within the stationary structure, and means for rotatably supporting said rotatable coil and for leading connections thereto, comprising a hollow pivot pin for said rotatable coil, fastened to the stationary coil and projecting radially inwardly into the rotating structure, said pin having an aperture communicating with the interior hollow space, and opening to the space formed between the rotary structure and the stationary structure, and a lead from one terminal of the rotary coil passing through the hollow pin and said aperture.

1,535,365. WELDING ELECTRODE. GILBERT E. DOAN, Cleveland, Ohio, assignor to Rail Welding and Bonding Company, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 12, 1921. Serial No. 514,603. 4 Claims. (Cl. 219—8.)

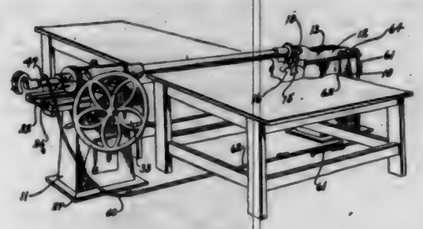
1. An electrode for electric arc welding comprising a substance incapable of being substantially effected by the temperature of an electric arc and characterized by having a boiling point relatively low as compared with the boiling or volatilizing points of carbon.

1,535,366. PROTECTOR FOR X-RAY TUBES. EDWIN L. EDWARDS, Indianapolis, Ind., assignor to Edwards X-Ray Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 7, 1921. Serial No. 459,273. 2 Claims. (Cl. 250—34.)



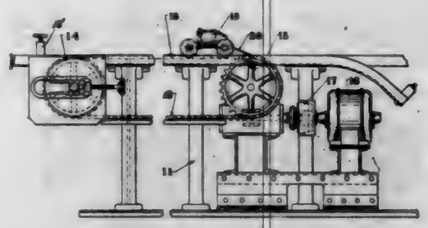
1. A protector for X-ray tubes, comprising an insulating shield which guards the high-voltage end of an X-ray tube, and a grounded conducting shield outside of said insulating shield, both said shields extending beneath and upward on both sides of said high voltage end and being fixed relatively to the X-ray tube, said conducting shield being spaced from said insulating shield in the vicinity of said high-voltage end.

1,535,367. ASSEMBLING DEVICE FOR TUBE-END CLAMPS. THOMAS P. LITTLE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1923. Serial No. 675,650. 5 Claims. (Cl. 18—2.)



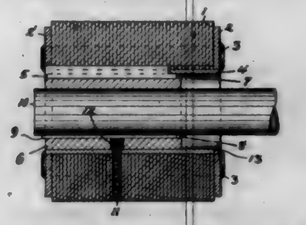
1. A machine for applying sliding clamps to rubber tubes on mandrels, comprising means for supporting a mandrel with the clamps loosely applied thereto, and mechanism for driving the clamps towards each other on the tube with a series of sharp blows.

1,535,368. HOSE OR TUBING STRIPPING APPARATUS. FREDERIC LINTON MACALESTER, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,906. 3 Claims. (Cl. 18—2.)



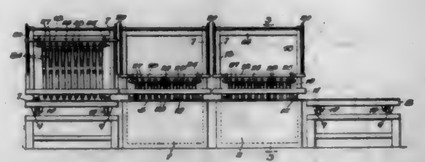
1. Means for stripping an article from a mandrel comprising a conveyor, a carriage movable with said conveyor and an air nozzle on said carriage adapted to loosen the article from the mandrel.

1,535,369. PULLEY. MERRILL F. MAGLEY, Columbia City, Ind., assignor of one-half to Henry W. Soest, Churubusco, Ind. Filed July 26, 1923. Serial No. 653,862. 4 Claims. (Cl. 64—17.)



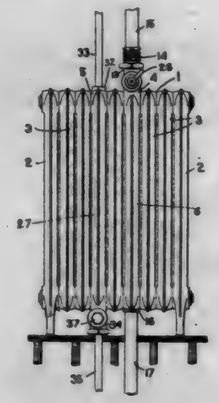
4. In a pulley, a rim; a pair of end discs between which the rim is permanently clamped; an interior sleeve extending through the rim and discs; and a key permanently fixed in the sleeve, one of its edges extending into the rim and its opposite edge, projecting into the bore of the sleeve.

1,535,370. MEANS AND METHOD OF MANUFACTURING METAL ARTICLES. AUGUST D. MEISELBACH, Chicago, Ill. Filed Mar. 5, 1921. Serial No. 449,939. 6 Claims. (Cl. 204—5.)



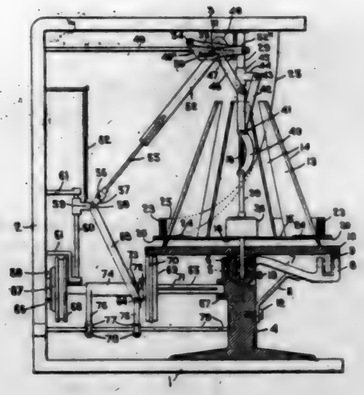
1. The herein described system for use in manufacturing metal articles, which comprises a series of associated vats for containing liquids in which the articles are to be immersed, one of said vats being adapted for applying electricity to said articles, tracks extending longitudinally of the series of vats, separable and independent carriages movable on the tracks and over the vats, the carriages having open bottoms through which the articles can pass up and down, an article support on each carriage movable freely up and down thereon to raise and lower the articles and adapted at its upper limit to hold the articles above the vats, so that the carriage can pass freely from vat to vat and at the lower limit of its movement to lower the articles down into the vats to immerse the articles in the liquid in the vats.

1,535,371. RADIATOR CONSTRUCTION. FRANK A. MERRILL, Malden, Mass. Filed Apr. 7, 1924. Serial No. 704,630. 4 Claims. (Cl. 237—73.)



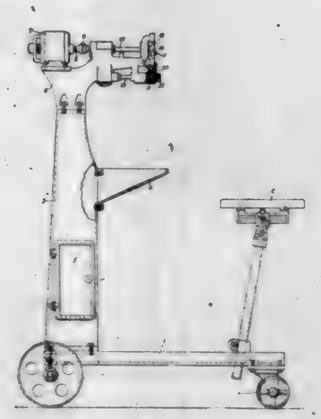
2. A radiator having a series of assembled communicating vertical heat radiating sections comprising an intake section having a conduit integral therewith and extending longitudinally thereof and provided at its respective ends with coupling means for connecting said conduit into a vertical supply riser for the heating fluid and thereby to form a continuous part of said supply riser, a valve-controlled port leading from said riser to said intake section, and an outlet radiator section having a delivery conduit extending longitudinally thereof and provided at its respective ends with coupling means for connecting said conduit to the return riser for the heating fluid to form a continuous part thereof

1,535,372. STRIP-WINDING MECHANISM AND REEL. MYLES F. MORAN, East Lynn, Mass. Filed July 9, 1921. Serial No. 483,894. 16 Claims. (Cl. 58—18.7.)



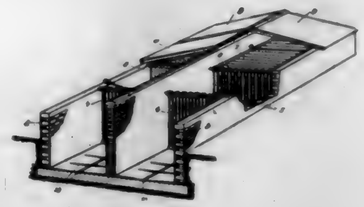
1. A strip winding machine comprising a strip receiving reel having a base and a peripheral strip retaining means, means for producing a flat winding of the strip within said reel from said retaining means toward the center thereof including means for progressively engaging margin only of the edge of the strip as it contacts with the base of said reel and acting to compress and hold the spiral being wound against the next outer spiral without engaging the face of the strip, whereby injury to the surface of the strip is avoided.

1,535,373. SHOE-TRIMMING MACHINE. ERNEST L. PATTEN, New Haven, Conn., assignor to L. Candee & Company, New Haven, Conn., a Corporation of Connecticut. Filed July 6, 1923. Serial No. 649,849. 6 Claims. (Cl. 12—51.)



1. An article trimming machine comprising cooperating reciprocable and rotary cutting elements, means for actuating the same, a feed roll rotatable with said rotary cutting element and spaced therefrom for the passage of said reciprocating element, and a guard covering said last element and spaced from the rotary one for the passage of the material to be trimmed.

1,535,374. PRESERVING SAP-CONTAINING VEGETABLE MATTER SUCH AS GREEN FODDER FOR CATTLE. GEROLD PFISTER, Dresden-Altstadt, Germany, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Nov. 19, 1923. Serial No. 675,604. 8 Claims. (Cl. 99—11.)



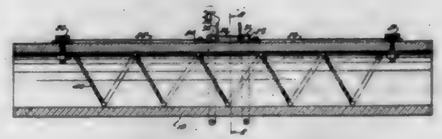
1. The process for preserving sap-containing vegetable matter, which consists in embedding rod-like heating bodies horizontally in the matter and heating said bodies.

1,535,375. CASEIN GLUE. HENRY L. PRESTHOLDT, Minneapolis, Minn. Filed Apr. 17, 1922. Serial No. 554,198. 2 Claims. (Cl. 87—17.)

2. An adhesive composition made in accordance with the following formula:

	Parts.
Casein	50 to 75
Sodium formate	1 to 6
Calcium hydroxide	10 to 30
Sodium sulphite	3 to 10
Alum	2 to 6

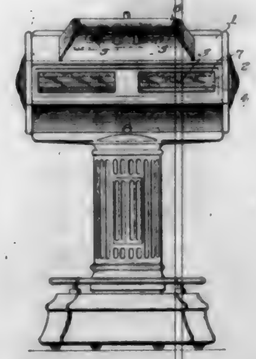
1,535,376. WATER HEATER. FRED OSCAR RACE, Hillside, N. J. Filed Dec. 31, 1921. Serial No. 526,323. 6 Claims. (Cl. 219—38.)



1. A water heater for an internal combustion engine, comprising tubing of electrically non-conductive material through which the water is circulated, and a water submerged electric heating element disposed within said non-conductive tubing and in contact with the walls thereof.

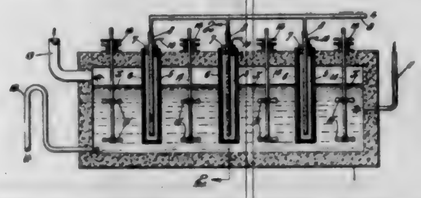
1,535,377. ILLUMINATED INDICATOR FOR SCALES. WALTER W. RADU, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1924. Serial No. 706,279. 4 Claims. (Cl. 88—39.)

1. In an instrument of precision having an indicator presented for reading from an observer's position, and a light source positioned to illuminate said indicator, a lens interposed between said indicator on the one hand and said light source and observer's position on the other hand, and constructed with a translucent but



light-diffusing area over that portion of its surface which lies in light-reflecting relation between the light source and the observer's position.

1,535,378. MANUFACTURE OF CHLOROFORM. GEORGE A. RICHTER and WALLACE B. VAN ARSDEL, Berlin, N. H., assignors to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Oct. 14, 1921. Serial No. 507,750. 8 Claims. (Cl. 204—7.)



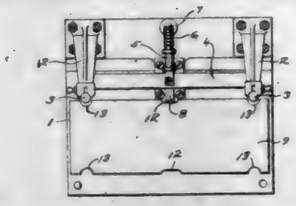
1. A process of making chloroform by the reduction of carbon tetrachloride with hydrogen, which comprises emulsifying carbon tetrachloride as the disperse phase in a heavy salt solution of substantially the same density as carbon tetrachloride and containing an acid, passing an electric current from an electrode through the solution to decompose the acid and liberate nascent hydrogen in the presence of the dispersed carbon tetrachloride, and recovering chloroform thereby produced.

1,535,379. QUENCHING OIL. HUGH RODMAN, Oakmont, and EARL E. BOREN, Penn Township, Allegheny County, Pa., assignors to Rodman Chemical Company, Verona, Pa., a Corporation of Pennsylvania. Filed Nov. 10, 1923. Serial No. 675,500. 17 Claims. (Cl. 148—29.)

1. A quenching oil comprising a low flash-point mineral oil, in combination with a lesser amount of a mineral oil of comparatively high flash-point.

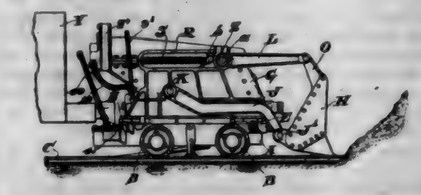
1,535,380. CORE BOX. OLOF SKEPPSTEDT, Moline, Ill. Filed Nov. 13, 1922. Serial No. 600,625. 4 Claims. (Cl. 22—10.)

1. In combination with a core-making machine, provided with vibratory members, and means for setting said members in action upon contact of a core-box therewith, a core-box having a plate provided in its edge with recesses conforming to the shape of said vibratory member, and adapted for engagement there-



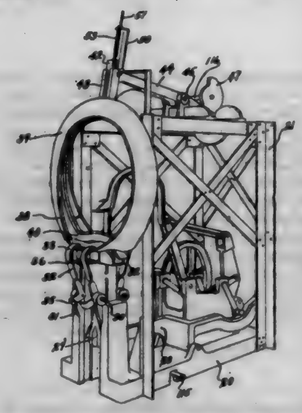
with, to assist in positioning the core-box in the machine, and to hold the core-box from a lateral or tilting movement while the same is being drawn from the cores.

1,535,381. SHOVELING MACHINE. HAROLD I. STAGE, San Francisco, Calif., assignor to Ingersoll-Rand Company, Jersey City, N. Y., a Corporation of New Jersey. Filed Mar. 15, 1924. Serial No. 699,392. 34 Claims. (Cl. 214—132.)



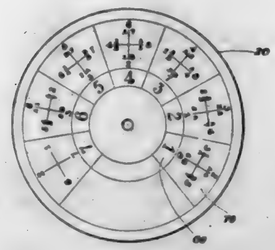
1. A shoveling and loading machine comprising, in combination, a frame, a scoop, means for thrusting the scoop forward in a lineal, substantially horizontal direction, means for withdrawing the scoop in a swinging direction over and to the rear of the frame and means independently controllable for tilting the scoop before withdrawal.

1,535,382. AIR-BAG PULLER. EDWARD C. TAYLOR, Longmeadow, and CHARLES H. DESAUTELS, Springfield, Mass., assignors to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1924. Serial No. 686,439. 5 Claims. (Cl. 18—2.)



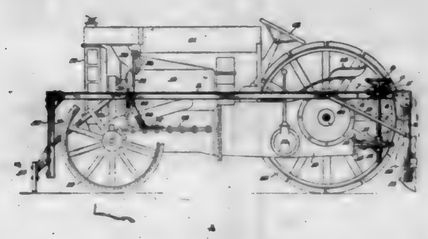
1. In a machine for pulling bags out of tire casings, tire holding means, a device for opening the tire, and a spade arm provided with mechanism for forcing it between the tire and bag, raising the bag to buckle it inwardly, and then forcing the bag out one side of the tire.

1,535,383. TALLY. MARSHALL TAYLOR, Pittsburgh, Pa. Filed Mar. 15, 1924. Serial No. 699,446. 7 Claims. (Cl. 273—148.)



7. A tally comprising a pair of superposed relatively movable disks operatively connected to form a unit, the lower disk having thereon a plurality of series of associated designating characters, one series indicating consecutively the number of games to be played, another of said series indicating the players and their partners at each of the games, the upper disk being provided with means for simultaneously and selectively exposing to view the associated characters of both said series.

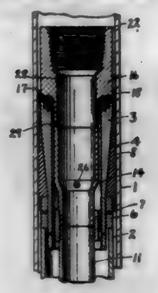
1,535,384. TRACTOR. FREDERICK A. TONEY, Detroit, Mich. Filed Feb. 9, 1923. Serial No. 617,911. 8 Claims. (Cl. 180—14.)



1. An attachment for tractors having a power plant assembly supported by front and rear ground wheels mounted upon axles, said attachment including an open frame of greater lengths than the length of the tractor, means for attaching said frame to the tractor, with upper portions of the tractor power plant projecting upwardly through the open frame and with the side members of the frame extending longitudinally of and between the power plant and the tractor ground wheels, with said frame pivotally supported by the power plant to swing upon an axis extending transversely of the power plant, with said side members of the frame swinging in vertical planes at the sides of the power plant and extending over and beyond said front and rear axles, and means for detachably attaching implements to said frame to be operated thereby.

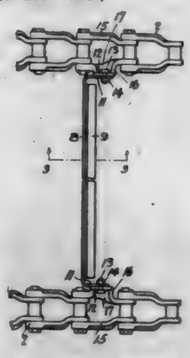
1,535,385. PACKER FOR PUMPS. JAMES D. WADE, Gonzales, Tex. Filed May 11, 1923, Serial No. 638,255. Renewed Mar. 10, 1925. 6 Claims. (Cl. 166—10.)

1. A packer for pumps comprising a downwardly tapered hollow mandrel, a ring slidable thereon, means to normally secure said ring to said mandrel, a packing sleeve of ductile metal above said ring, a tapered seat at the upper end of said mandrel, a pump barrel, a



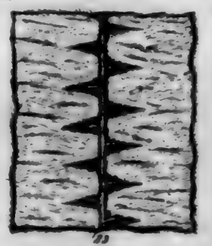
nipple at the upper end thereof, and a shoulder of soft metal on said nipple shaped to fit said tapered seat for the purpose described.

1,535,386. CONVEYER. HENRY B. WALKER and CLARENCE O. BROWN, Lancaster, Ohio, assignors to Fairfield Engineering Company, Marion, Ohio, a Corporation of Ohio. Filed Mar. 17, 1923. Serial No. 625,743. 8 Claims. (Cl. 198—175.)



1. A conveyer comprising two spaced endless members, drag members carried between said endless members, and means for yieldably connecting said drag members to said endless members to permit said drag members to be bent without materially altering the distance between said endless members.

1,535,387. SKIN. PAUL L. WIENER, New York, N. Y. Filed Sept. 2, 1922. Serial No. 585,864. 1 Claim. (Cl. 149—28.)



The method of forming plates from skins which includes the steps of removing a portion from each skin at the rump end and intermediate opposite edges thereof to form a slot, joining the walls of said slot and then joining the skins rump end to rump end to form the plate.

1,535,388. TRAP. CORRIE WILCOX, Mart, Tex. Filed Nov. 11, 1924. Serial No. 749,244. 5 Claims. (Cl. 43—74.)



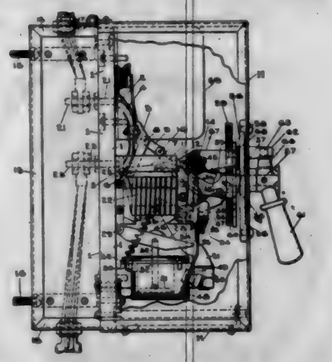
1. A trap comprising, in combination a housing having an opening in its top wall, a rotatable platform for closing said opening, power means for rotating said platform, an arm rotating with the platform, a pivoted lever, said lever being operatively engaged with the arm, means engaging the lever to hold the arm and platform against rotation when the platform is in closed position, a bait trigger, and means operating upon movement of the trigger for releasing the holding means from the lever.

1,535,389. HAT. EDWARD WITTCOFF, St. Louis, Mo., assignor to Superior Hat Co., a Firm composed of Edward Wittcoff, Elias Freedman, and Henry Minkoff, all of St. Louis, Mo. Filed Oct. 20, 1924. Serial No. 744,597. 4 Claims. (Cl. 2—175.)



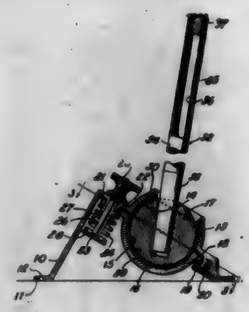
1. A hat composed primarily of alternate rows of straw braid and strips of waterproofing material, said rows of braid and strips being secured together and overlapping at adjacent edges.

1,535,390. SWITCHING APPARATUS. JAMES H. WYATT, Kirklyn, Pa., assignor to William M. Scott, Tredyffrin Township, Pa. Filed Feb. 17, 1923. Serial No. 619,577. 29 Claims. (Cl. 200—107.)



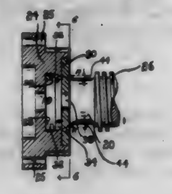
3. Circuit breaker mechanism comprising a movable contact member, an overtravelling toggle for moving said contact member to and restraining it in normal position, an independently movable operating member, a latch forming a detachable connection between said operating member and said toggle, and electro-responsive means for actuating said latch to disengage said operating member from said toggle and for thereafter moving said toggle from overtravelled to undertravelled position.

1,535,391. EXERCISER. JOHN R. ANDERSON, Moline, Ill. Filed July 5, 1923. Serial No. 649,398. 8 Claims. (Cl. 272—79.)



1. An exerciser comprising a base, a member loosely mounted on said base and cooperating therewith to form a socket, means for yieldingly urging said member toward said base, means for adjusting said last named means, a ball in said socket and a handle on said ball, said handle provided with a rotatable grip.

1,535,392. PROTECTING DEVICE FOR MIXING MILLS AND THE LIKE. WILLIAM S. ASHTON, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 20, 1921. Serial No. 523,642. 2 Claims. (Cl. 18—2.)

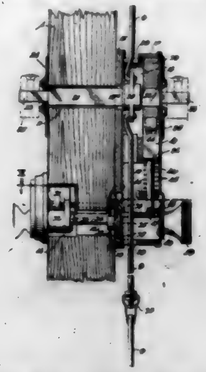


1. In a protective device for allowing separation of machine parts when an excessive presure is exerted between them, an apertured removable member, a removable machined cast iron disk adapted to fit over the aperture, an adjusting screw laterally positioned with respect to the aperture and of suitable size and shape to enter the aperture but prevented by the disk under ordinary working conditions from entering the same, the disk being adapted to be sheared between the outside edge of the laterally positioned adjusting screw and the edge of the aperture of the removable member upon excessive strain being brought to bear between the machine parts, whereby the sheared disk may be removed and replaced without disturbing the mounting of the machine parts.

1,535,393. DOORLOCK. ALFRED C. BALLBACH, Detroit, Mich. Filed June 30, 1922. Serial No. 648,739. 6 Claims. (Cl. 70—46.)

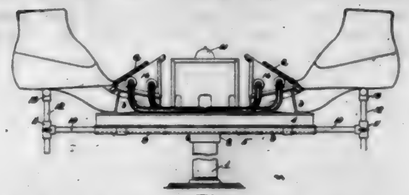
6. In a lock, a bolt actuating shaft, a plunger adapted to lock said shaft, a head on said plunger, co-axial rotatable members at opposite sides of said plunger, said members having outstruck cam portions normally engaging said head and adapted to depress said head to retract

said plunger, means holding said plunger normally extended to lock said shaft, a key operated lock mechanism for controlling one of said rotatable members, and



a knob for controlling the other of said rotatable members, said rotatable members being operable independent of each other.

1,535,394. SHOE HEATER. WILLIAM HARDCASTLE BAYNARD, Boston, and FREDERICK WILLIAM EAGER, Brookline, Mass., assignors to Harry H. Beckwith, Brookline, Mass. Filed Apr. 12, 1921. Serial No. 460,700. 28 Claims. (Cl. 219—19.)



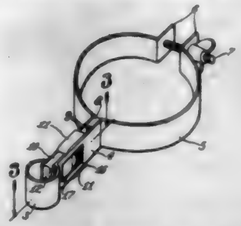
3. A device of the class described comprising a table mounted to turn about a vertical axis, a plurality of shoe supports mounted on said table, and a heater carried adjacent each shoe support.

1,535,395. SCISSORS SHARPENER. ARTHUR L. BREITENSTEIN, Akron, Ohio. Filed Feb. 29, 1924. Serial No. 695,985. 4 Claims. (Cl. 76—82.)



1. As a new article of manufacture, a scissor sharpener comprising a single strip of flat metal, the major portion of which is formed as a U-shaped handle, a piece of abrading material extending across the outer end of the handle, and an extension on one arm of the handle, the outer surface of which is parallel to the inner surface of the opposite arm of the handle.

1,535,396. FLAG HOLDER FOR AUTOMOBILES. CHRISTIAN BUEHLER, Luxemburg, Mo. Filed Sept. 28, 1921. Serial No. 503,927. 4 Claims. (Cl. 248—37.)



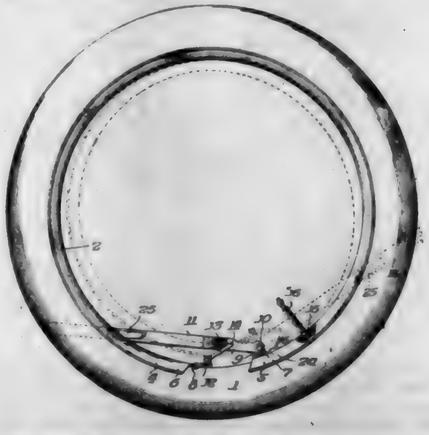
1. A flag holder, comprising, a flat strip formed to provide, at its middle portion a flag socket, at adjacent portions an extension, and at its terminal portions a loop adapted to embrace a radiator spout, a sliding clamp, for clamping a flag staff in said socket, and a screw and a knurled nut operating on said clamp, and means for clamping said loop upon a radiator spout.

1,535,397. TOWING POLE. HARRY C. BUFFINGTON, Springfield, Ill., assignor to Weaver Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Mar. 28, 1924. Serial No. 702,611. 8 Claims. Cl. 280—33.14.)



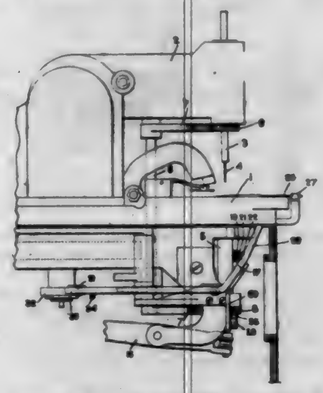
1. The combination of a towing-pole and an end attachment means therefor comprising in combination a pair of companion jaw-members of different lengths hinged together and recessed in register on their inner faces, the greater length portion of said longer member being constructed to engage the element grasped by said members and to prevent turning of the members on said element, and means to force said members toward one another to grasp a portion of a vehicle between them and accommodated at least in part in said recesses.

1,535,398. DEMOUNTABLE RIM. CHARLES B. CARVER, Elk Rapids, Mich. Filed July 28, 1923. Serial No. 654,311. 2 Claims. (Cl. 301—34.)



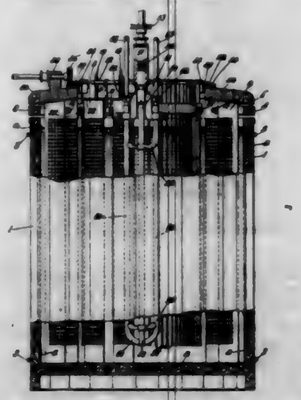
1. In a demountable rim, a flanged major segment, and a flanged minor segment; said segments having their ends including their flanges, constructed to articulate and interlock them against relative displacement; the articulation at two of the meeting ends being constructed to develop an abutment upon which the minor segment can swing into position in the circumference of the rim; said abutment comprising in part a lug on one segment and a corresponding recess on the other segment, in part meeting faces on the two segments in line with the abutting face of the lug, and in part flange abutments in lines removed from said abutment and faces and inclined to a radial plane of the wheel.

1,535,399. BUTTONHOLE-SEWING MACHINE. JOHN W. CONNORS, Dedham, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Mar. 18, 1924. Serial No. 700,183. 8 Claims. (Cl. 112—255.)



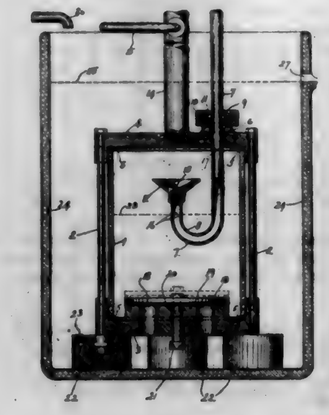
1. In a two-thread sewing machine adapted to sew a short seam and then come to rest, the combination with a rotary turret, of under thread manipulating mechanism mounted thereon, a pull-off device on the turret for pulling off a length of under thread, means on the turret to apply tension to the under thread, and means for simultaneously releasing the tension and actuating the pull off.

1,535,400. METHOD AND APPARATUS FOR FORMING TUBING ELECTROLYTICALLY. RUFUS CROWELL, Winchester, Mass. Filed Jan. 11, 1922. Serial No. 528,496. 19 Claims. (Cl. 204—11.)



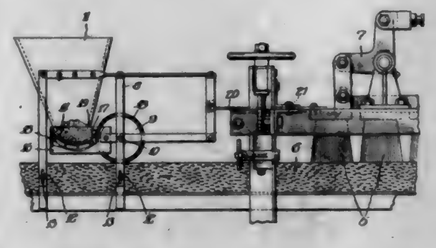
1. The method of making tubes by electro-deposition which comprises moving a cathode mandrel in an electrolyte bodily adjacent to a series of anodes and rotating said mandrel about its axis while subjected to the passage of an electrolyzing current, and then stripping the deposit on the mandrel therefrom.

1,535,401. AIR AND WATER INJECTOR. CHARLES H. DESAUTELS, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed June 30, 1922. Serial No. 571,933. 3 Claims. (Cl. 103—231.)



1. A device for inflating objects with air and delivering a measured quantity of water at each inflation, comprising a container adapted to contain water, an inner chamber immersed in the water within the container, a valve in the chamber operable to admit water from the container to the chamber but not to allow it to pass in the other direction, an upwardly opening delivery pipe extending into the chamber, an aperture in the pipe below its opening, means for admitting compressed air to the chamber, a baffle adapted to prevent churning of the water by the air, and a second aperture in the pipe located above the water level and adapted to prevent siphoning of water from the chamber.

1,535,402. FACE-BRICK SANDING MACHINE. IVAN N. DOUGHTY, Danville, Ill., assignor to Western Brick Company, Danville, Ill., a Corporation of Illinois. Filed Mar. 2, 1923. Serial No. 622,366. 6 Claims. (Cl. 25—115.)

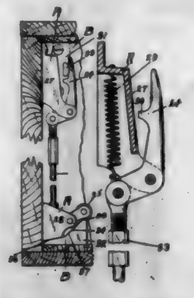


1. Apparatus for sanding brick comprising a pad of fibrous material engaging the brick and a sand reservoir feeding sand to the pad.

1,535,403. WINDOW CLOSER. EDWARD H. ELLISON Jamestown, N. Y. Filed July 25, 1924. Serial No. 728,262. 8 Claims. (Cl. 292—18.)

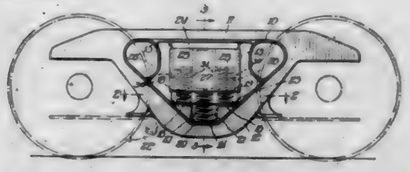
1. A closer for casement windows comprising a movable element, and a fixed element, one of said elements mounted upon the window casing and the other mounted

upon the frame of the window, whereby upon the shutting of the window they are brought into engagement



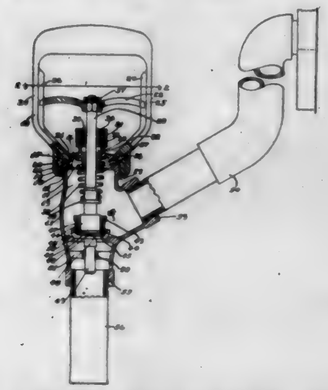
and automatically draw the free corners of the window into the casing, thus eliminating any gap that might result from any uneveness in the window frame.

1,535,404. RAILWAY-CAR TRUCK. FRITZ B. ERNST, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 6, 1923. Serial No. 610,978. 7 Claims. (Cl. 105—197.)



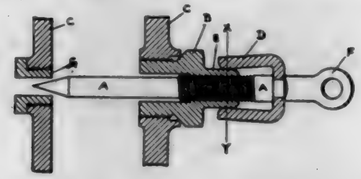
1. In a railway car truck, the combination of a side frame having bolster columns and six spring seats therebetween, two of said spring seats being below the other four spring seats, whereby the spring capacity of the truck may be increased without increasing the length of the side frame.

1,535,405. VALVE. HARRY J. ERNST, Cincinnati, Ohio, assignor to The D. T. Williams Valve Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 8, 1924. Serial No. 742,478. 7 Claims. (Cl. 251—137.)



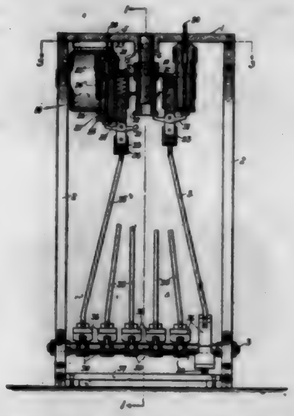
1. In a device of the class described the combination of a housing having a bore therethrough, a valve seat formed within the housing, coupling connections formed on the housing on opposite sides of the valve seat, a cap forming a closure for one end of the chamber and disposed in substantial alignment with the valve seat, the cap having formed on it an annular flange for annular engagement upon the housing, a handle for mounting upon the housing and provided with an annular recess for the reception of the cap, an annular wall of said annular recess being adapted to retain the annular flange on the cap in engagement upon the housing, a valve stem extending reciprocally through the cap and carrying a valve for engaging the valve seat, and a finger piece positioned adjacent the handle.

1,535,406. NEEDLE-VALVE RETAINER. GEORGE A. EYNON, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed Jan. 29, 1923. Serial No. 615,494. 1 Claim. (Cl. 251—163.)



A device of the class described, comprising a threaded needle valve, a needle valve support into which said needle valve is threaded, a cylindrical projection from said needle valve support, a plurality of prongs riveted to said needle valve, said prongs being adapted to frictionally engage with the said cylindrical projection from said needle valve support, whereby at any fractional turn thereof said needle valve will be retained in position.

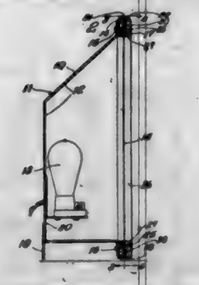
1,535,407. FILING MACHINE. RICHARD H. FREITAG, Akron, Ohio. Filed Jan. 16, 1924. Serial No. 686,532. 13 Claims. (Cl. 29—76.)



1. A machine of the character described comprising a plurality of reciprocating carriers, a tool in each carrier, a common actuating member therefor adapted to be operated continuously but normally disconnected from the tool carrier, and means to place any one of said carriers in operative relation to the actuating member.

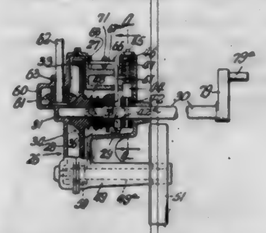
1,535,408. DISPLAY DEVICE. CHARLES F. FRICK, Chicago, Ill. Filed Mar. 31, 1923. Serial No. 629,178. 4 Claims. (Cl. 40—158.)

1. In a display device, a display sheet, a frame comprising a plurality of members, one of which is adapted to be brought into position adjacent the other to detachably secure the display sheet in the frame, the members having co-acting surfaces for drawing the sheet taut across the frame as the one member is brought



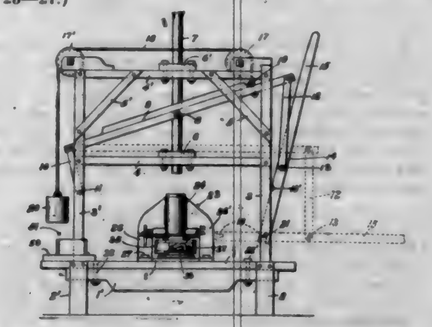
into position adjacent the other, and one of the members being recessed to receive the edges of the display sheet.

1,535,409. GEARING. WILLIAM H. GEORGE, Fairfield, Iowa, assignor to The Dexter Company, Fairfield, Iowa, a Corporation of Iowa. Filed July 26, 1923. Serial No. 653,868. 8 Claims. (Cl. 74—14.)



1. The combination of an oscillatory operating member, a drive shaft, a driven shaft, means operatively connecting said shafts together and including two clutch members, one loose and the other fixed to said driven shaft, a crank arm on the driven shaft, a pitman connecting said operating member and said crank arm together, and means acting directly on one of the clutch members for retarding the rotation thereof as said operating member approaches the limits of its oscillating movement.

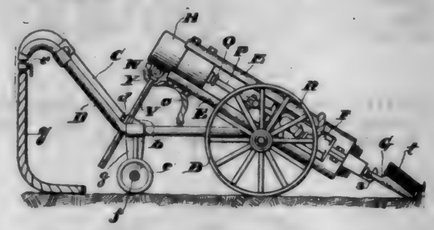
1,535,410. REFRACTORY-SHAPE PRESS AND MOLD THEREFOR. ASHLEY J. GULICH, Clearfield, Pa., assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 20, 1924. Serial No. 700,614. 9 Claims. (Cl. 25—27.)



1. A molding apparatus comprising a stationary receptacle for containing plastic material and having its opposite ends freely open, a swinging trimmer provided with an aperture therethrough, said trimmer being adapted to be moved to a position whereby to form a closure plate for one end of the receptacle, a removable mold adapted to be disposed in alignment with the receptacle and the aperture in the trimmer, a plunger for forcing material from the receptacle into the mold, and means for actuating the plunger.

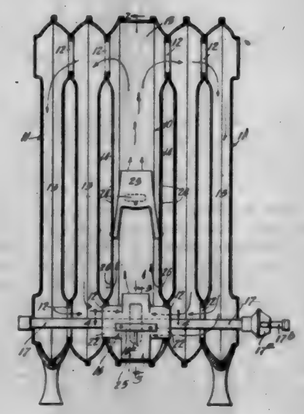
4. A mold for forming nozzles comprising a bottom plate, a top plate, and a hollow body including a plurality of pivotally connected sections, the upper surface of said bottom plate being provided with a depression for snugly receiving the ends of the sections whereby to position the body and hold the sections in abutting relation.

1,535,411. PAVEMENT BREAKER. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 11, 1924. Serial No. 725,875. 8 Claims. (Cl. 262—16.)



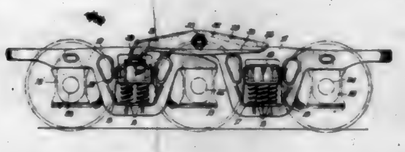
1. A pavement breaker comprising a vehicle, a guide on said vehicle, a percussive machine slidably mounted in said guide, pneumatic feed means for thrusting said percussive machine forwardly and a spring for returning said percussive machine to its normal inoperative position.

1,535,412. GAS HEATER. AUGUST J. HARTFIELD, Los Angeles, Calif. Filed July 28, 1920. Serial No. 399,537. 4 Claims. (Cl. 126—91.)



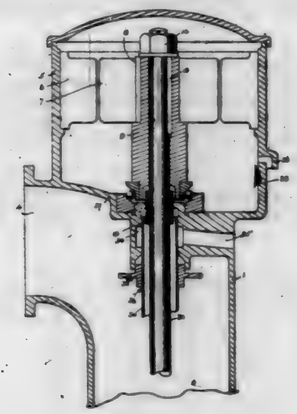
1. A heater of the character described embodying an upright combustion chamber and a side radiator element communicating therewith at its top; characterised by a combined burner and passage member located at said lower end communication and embodying a body having therein a burner chamber, a vertical air passage extending around the burner hamber, and a lateral passage that connects with the lower end of the radiator element and with an exhaust flue.

1,535,413. SIX-WHEEL TRUCK. WILLIAM C. HEDCOCK, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 31, 1924. Serial No. 689,611. 17 Claims. (Cl. 105—195.)



1. In a six wheel truck, the combination of a side frame including two associated side frame members, bolster members, forming the sole connection between said side frame members, and a load equalising member connected to one of said side frame members and transmitting a load through the bolster member associated with the other side frame member.

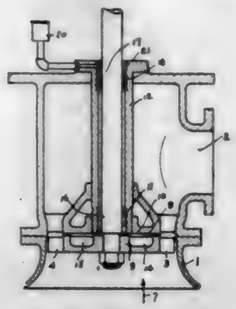
1,535,414. DEEP-WELL PUMP HEAD. ALADAR HOLLANDER, Berkeley, Calif. Filed Mar. 27, 1924. Serial No. 702,239. 1 Claim. (Cl. 103—111.)



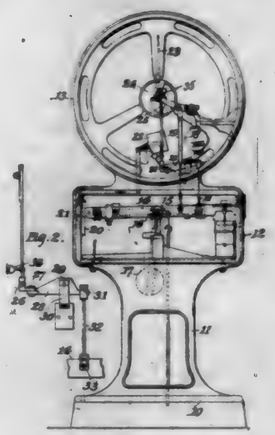
In a head for deep well vertical shaft pumps having an inner tube extending therefrom and enclosing said shaft, a discharge throat, a bearing for said shaft in metallic contact with said throat, gland means around said inner tube and within said throat to prevent leakage into said bearing, a pocket outside the inner tube between the said gland means and the said bearing and a discharge passage from the said pocket to the exterior of the head, said inner tube telescoping with the stationary parts of said head between the pocket and the bearing substantially as and for the purpose set forth.

1,535,415. SCREW PUMP. ALADAR HOLLANDER, Berkeley, Calif. Filed Mar. 27, 1924. Serial No. 702,241. 1 Claim. (Cl. 103—111.)

In a pump, a screw type impeller, a shaft adapted to drive said impeller, a casing having a bearing for said shaft adjacent the discharge side of said impeller, an annular pocket having spiral vanes therein in said impeller open on the discharge side and closed on the suction side of said impeller said casing closing the said open side of said pocket and forming a running joint with the impeller whereby the rotation of the impeller establishes a pressure from the pocket and through the running joint greater than the pressure of discharge of the impeller.



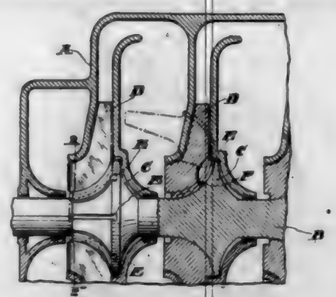
1,535,416. WEIGHING SCALE. JOSEPH HOPKINSON, Dayton, Ohio, assignor to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed Oct. 26, 1920. Serial No. 419,636. 3 Claims. (Cl. 265—62.)



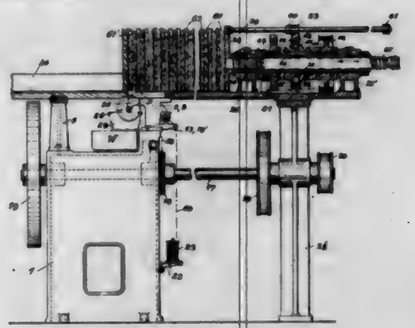
1. In a weighing scale, in combination, a fulcrumed main scale beam, automatic counterbalancing means connected thereto, a pivotal indicator, a pinion therefor, a vertical rack meshing with the pinion, an intermediate lever having a direct connection with said rack and a direct link connection with said main scale beam, said intermediate lever and its connection to the rack and beam being independent of the automatic counterbalance and its connection to said beam.

1,535,417. OPEN IMPELLER. LESLIE R. HUFF, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 5, 1924. Serial No. 724,244. 4 Claims. (Cl. 230—11.)

4. A blower comprising a shaft, a hub on said shaft having opposite circular dovetailed grooves in alignment with each other and extending longitudinally with respect to said shaft, oppositely disposed impeller blades, a dove-tailed base for each of said blades insertable in said grooves and a plate for clamping said blades together whereby said blades are held against removal from said grooves.



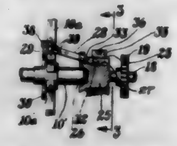
1,535,418. BOOKBINDING MACHINE. GOTTFRIED ISLIKER-BRAUEN, Bruggen, St. Gallen, Switzerland. Filed May 11, 1922. Serial No. 560,074. 7 Claims. (Cl. 11—1.)



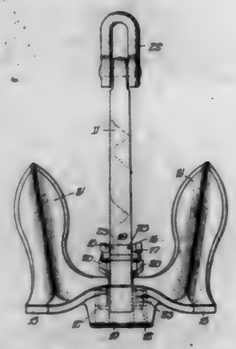
7. In a machine for twisting and gluing together the thread ends depending from the folds of stitched signatures, in combination, a machine frame including a work table presenting slots and a main drive, a twisting instrumentality in each table slot adapted to seize the depending stitch thread ends and twist them together, means in advance of said twisting instrumentalities for properly presenting the depending thread ends to said twisting instrumentalities, means for intertwisting with said stitch thread ends a stiffening thread, a gluing device for gluing the individual twisted thread formations, and a work feed mechanism including a pusher plate, for advancing the work on said table and for returning said pusher plate into the initial position at a predetermined period and for then automatically arresting the machine operation, said twisting instrumentalities and said work feed mechanism all being operated by said main drive.

1,535,419. FASTENING MEANS FOR SEED-PLANTER ATTACHMENTS FOR WHEELED PLOWS. JOZSEF JÁRFÁS, Jr., Bussu, Hungary, assignor of one-half to Rozina Pápay, Winnipeg, Manitoba, Canada. Filed Jan. 9, 1924. Serial No. 685,140. 2 Claims. (Cl. 74—106.)

1. In a device of the class described comprising, a shaft adapted to operate seed distributing devices, and means whereby said shaft may be operatively engaged with the hub element of a running wheel to be rotated by the latter, said means comprising a disk-like head adapted to engage the said hub element, said head having a number of axial slots and a groove in its periphery, a series of inclined arms adapted for pivotal mounting on a wheel, said arms having their free ends engaging in said slots and having pins engaging in said groove, and a nut threaded on said head and adapted to press the free ends of said arms radially inward.

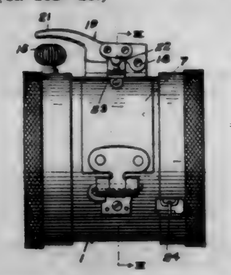


1,535,420. STOCKLESS ANCHOR. AP TREVOR JONES, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 15, 1922. Serial No. 553,078. 6 Claims. (Cl. 114—208.)



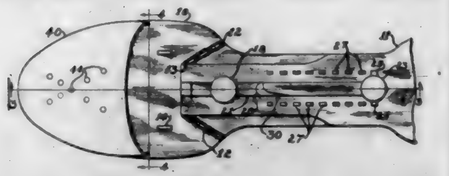
1. A stockless anchor including a head, a shank movably connected thereto, means for locking said head and shank in a given relative position for creating a gripping leverage, causing a quick gripping action of the anchor, and means for giving the locking means a positive unlocking movement for unlocking said head and shank.

1,535,421. ANEMOMETER. JOHN E. JONES, West Frankfort, Ill., assignor to Mine Safety Appliances Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 31, 1924. Serial No. 703,138. 6 Claims. (Cl. 161—18.)



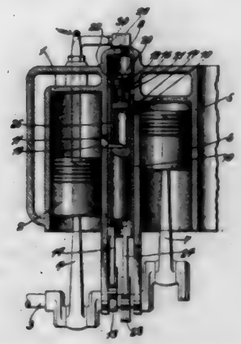
1. An anemometer comprising a casing having a compartment for carrying a visible light-weight substance, means for ejecting such substance from the compartment, a stop-watch carried by the casing, and means for simultaneously starting said watch and operating said substance-ejecting means.

1,535,422. SKATE. WILLIAM G. LARSEN, Steger, Ill. Filed July 26, 1922. Serial No. 577,518. 4 Claims. (Cl. 208—180.)



1. In a skate, a toe plate, a heel plate telescopically mounted on the toe plate, said heel plate having a row of holes, a pivot, a mounting for said pivot, said mounting including a part adapted to project into one of said holes, means for securing said mounting in place with said part projecting into the selected one of said holes, a lever on said pivot, and means integral with one of said plates co-operating with said lever to limit the telescopic motion of said plates.

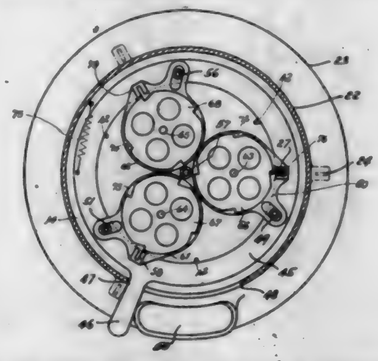
1,535,423. INTERNAL-COMBUSTION ENGINE. CHARLES LATTA, St. Louis, Mo. Filed May 28, 1923. Serial No. 641,849. 7 Claims. (Cl. 123—69.)



6. In an engine, a working cylinder, a pump cylinder, a valve cylinder between the working and pump cylinders and having ports opening into said cylinders, a sleeve mounted in the valve cylinder having ports adapted to be brought into and out of registration with the ports opening into said cylinders respectively, a valve member mounted for relative sliding movements in said sleeve and having a passage therethrough adapted to be brought into and out of registration with certain of the ports in said sleeve, means for operating said sleeve and said valve member for said purposes, and an air pump device operated by said valve member for forcing air into the working cylinder during exhaust.

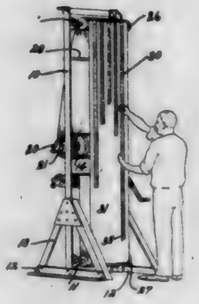
1,535,424. SELECTIVE COIN-OPERATIVE DEVICE. JOSEPH S. LAUNDERSVILLE, Oakland, Calif. Filed Apr. 21, 1921. Serial No. 463,414. 1 Claim. (Cl. 194—85.)

In a coin operative device, a receptacle having a plurality of compartments opening downward adapted to hold different merchandise units, a disc rotatable under each of said openings and having a plurality of passages, one of which passages registers with the corresponding compartment opening, an oscillating member under each disc and a common pivot for the disc and member, a coin slot common to each disc and its member, a bottom element having passages adapted to retain a coin in any of said slots and clearance openings in said element for discharging the coin from any corresponding slot when the member has rotated the



disc to register a disc passage with a corresponding passage in said element whereby a unit of merchandise is discharged and operating means common to all of said members.

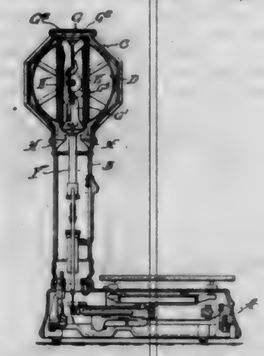
1,535,425. STOCK RACK. THOMAS P. LITTLE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 19, 1923. Serial No. 675,649. 2 Claims. (Cl. 242—55.)



1. A vertical unwinding device, comprising in combination a frame, supply and liner wind up rolls rotatably fixed at one side of the frame, two rotatable rolls mounted on the frame and located so as to guide the liner in a substantially vertical position at the other side of the frame during a portion of its travel from the supply roll to the wind up roll, means for unwinding the liner from the supply spool and rewinding it on the wind up spool, and means for preventing rotation of the supply roll and the liner wind up roll so as to hold the liner stationary and taut when it is desired to remove the rubber stock from the vertically extending part of the liner.

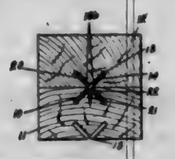
1,535,426. THERMOSTATIC SUPPORT FOR SCALE SPRINGS. GEORGE M. LUDLOW, Evanston, Ill., assignor to Sanitary Scale Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 2, 1923. Serial No. 610,208. 3 Claims. (Cl. 265—69.)

1. In a spring balanced scale, a base, a pillar upstanding from said base, a chart housing supported upon the upper end of said pillar, a chart having bearings in said housing, said housing constituting a supporting frame for the chart, a standard in vertical alignment with said pillar, mounted upon the pillar independently of the chart-supporting frame, and counterbalancing springs suspended from the upper end of



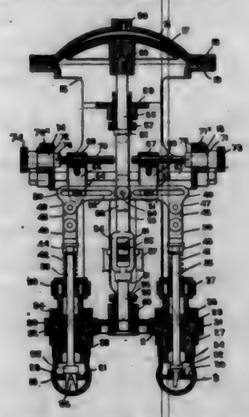
said standard; said standard being of a material having a thermostatic coefficiency which renders the standard substantially corrective of variation in the dimension of the springs resulting from changes in temperature.

1,535,427. SLIDE FOR EXTENSION TABLES. CONRAD LUNDGREN and ERNEST HEDIN, Jamestown, N. Y. Filed May 7, 1923. Serial No. 637,081. 4 Claims. (Cl. 45—115.)



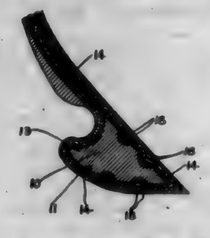
1. A table slide comprising two plates, each plate having a longitudinal slot and a circular opening therethrough at the inner end of the slot, the plates being assembled by means of said slots in the form of a cross, the two openings intersecting to provide a tapering ellipsoidal opening through said slide.

1,535,428. FLUID-MIXING DEVICE. JOHN W. F. MACDONALD, Brighton, Mass. Filed Sept. 28, 1922. Serial No. 590,051. 6 Claims. (Cl. 236—8.)



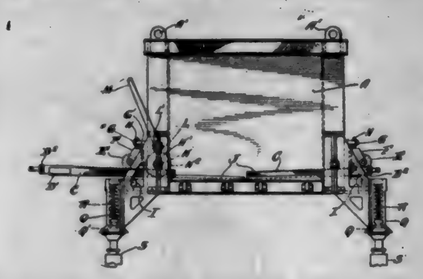
1. A fluid mixing device comprising conduits for the respective fluids to be mixed, a frame connected to said conduits, valves in said conduits, valve actuating levers, brackets slidably mounted on said frame having fulcrums for the respective valve actuating levers, screws mounted in said brackets and frame operable to adjust the positions of the respective fulcrums and thereby vary the effective lengths of the respective levers, means connecting each valve actuating lever to its valve and a reciprocable actuator connected to said valve actuating levers operable simultaneously to actuate said levers and their valves.

1,535,429. METHOD OF MAKING TIRE BEADS. MELVON A. MARQUETTE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Dec. 23, 1920. Serial No. 432,723. 1 Claim. (Cl. 154—14.)



The method of making the bead edges of clincher tire casings, consisting in incorporating between the rubberized fabric plies at the bead edge a filler provided with indentations only at points remote from the heel of the bead adapted to receive extruded rubber, the heel portion of the bead being left smooth, and vulcanising the bead edge under heat and pressure whereby a portion of the rubber is extruded from the fabric, thereby making the heel of the bead harder than the remainder.

1,535,430. BRICK-STACK LIFTER. PAUL A. MEEHAN, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., Cleveland, Ohio, a Corporation of New York. Filed Dec. 18, 1920. Serial No. 431,577. 5 Claims. (Cl. 294—63.)

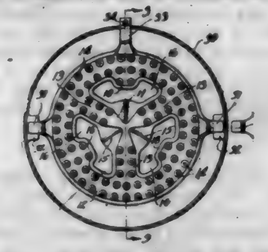


1. A brick lifting device comprising in combination a hollow frame adapted to surround the bricks to be lifted, two sets of parallel rigid brick supporting fingers mounted in said frame at the opposite sides thereof and longitudinally movable toward and away from one another in straight lines into and out of the positions in which they jointly extend across said frame, and mechanism mounted in the frame for giving said fingers said movements.

1,535,431. BURNER. LOUIS R. MENDELSON, Cleveland, Ohio. Filed Apr. 21, 1924. Serial No. 707,916. 7 Claims. (Cl. 158—116.)

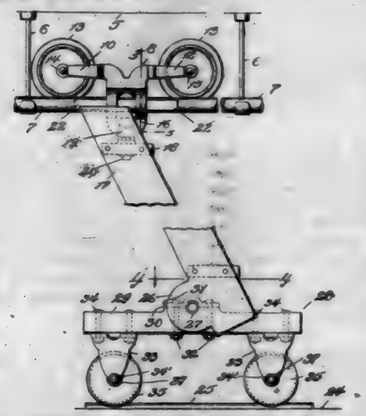
1. A gas burner, comprising a central portion, a marginal portion, and radially extending connecting por-

tions, the upper wall of said central portion being provided with elongated depressions extending downwardly



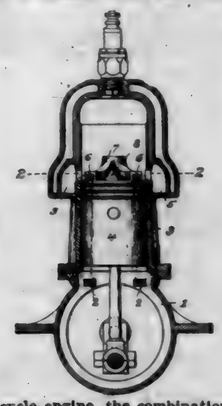
and outwardly from substantially the center of the upper surface of said central portion.

1,535,432. LADDER. GUSTAVE A. MILBRADT, McKnight Road, Mo. Filed June 9, 1924. Serial No. 718,684. 4 Claims. (Cl. 228—53.)



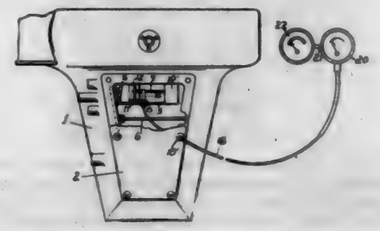
1. In combination with a floor track, a ladder, a carriage slidably supported on casters on said track, said ladder secured to said carriage between its casters in an oscillatory manner.

1,535,433. TWO-CYCLE GAS ENGINE. WALTER A. MORRELL, Chicago, Ill., assignor of one-half to Alfred J. Osborn, Chicago, Ill. Filed Jan. 26, 1924. Serial No. 688,671. 2 Claims. (Cl. 123—73.)



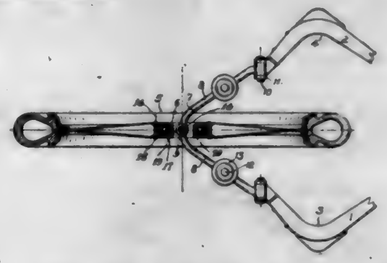
1. In a two-cycle engine, the combination of a cylinder having pluralities of fuel supply and exhaust passages arranged on an approximately common plane around the explosion chamber of the engine, and a piston head moving in said cylinder and having one end formed with a central upright nozzle and with a series of radial and curved passages adapted to register at their outer ends with the aforesaid fuel supply passages and at their inner ends with the aforesaid discharge nozzle, the portions of the piston head intermediate of the walls of said passages constituting valleys adapted to register with the aforesaid plurality of exhaust passages.

1,535,434. LUBRICATOR INDICATOR. CHRISTIE N. NEILSON, Jackson, Mich. Filed Dec. 16, 1921. Serial No. 522,823. 4 Claims. (Cl. 177—311.)



2. In a lubrication indicator for machinery utilizing a splash oiling system, the combination with the casing confining the oil, of an open top reservoir positioned within the same and above the normal oil level and having a drain opening in its bottom, a float within said reservoir, an indicator outside of said casing, and means extending through said casing and controlled by said float for operating said indicator.

1,535,435. MOUNTING FOR VEHICLE WHEELS. CARL A. NERACHER, Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation, a Corporation of New York. Filed Oct. 21, 1919, Serial No. 332,244. Renewed July 14, 1924. 1 Claim. (Cl. 208—114.)

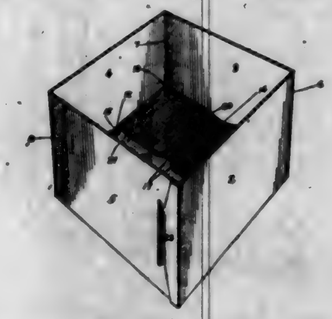


In a motorcycle, the combination of a front wheel, a frame having a pair of substantially horizontal members extending on opposite sides of said front wheel, a yoke the ends of which are pivoted to said frame members at points back of the forward ends thereof, means for mounting the front wheel on the forward portion of said yoke on an axis for steering slightly inclined backwardly from the vertical, guide rods extending upwardly through said yoke from the extreme forward ends of said frame members provided with spring abutments at their upper ends, and coiled springs surrounding said guide rods and extending between said spring abutments and said yoke.

1,535,436. BERRY BOX. EDWARD O. NORDSTROM, Minneapolis, Minn. Filed Oct. 22, 1921. Serial No. 509,576. 6 Claims. (Cl. 229—16.)

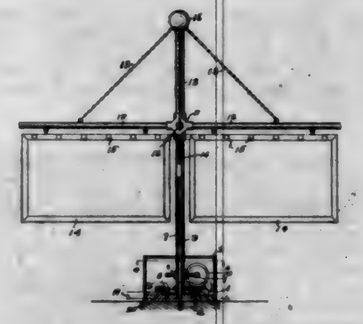
6. A folding berry box composed of flexible material having panels folded to form the side walls of the box, a folding section on the end of each panel and alternate

folding sections having flaps adapted to fold inwardly and upwardly to close the bottom of the box, said flaps having a plurality of tongues formed in their meeting



edges for interlocking one with the other, said tongues resisting horizontal pull or pressure on the flaps tending to separate them.

E,535,437. REVOLUBLE SIGN. FITZHUGH L. OVERTON, Shreveport, La. Filed May 6, 1924. Serial No. 711,510. 1 Claim. (Cl. 40—33.)



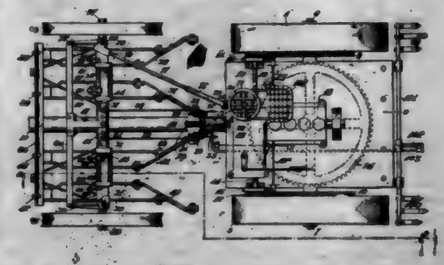
A revoluble sign including a base, an inside anchor rod secured to and upstanding from the base, a disc like table mounted to rotate on the base, and having spaced electrical contact points, a tubing supported by said table and surrounding said anchor rod, a motor geared to said tubing and adapted to rotate the same, a bearing inside the upper end of the tubing and working around the upper end of said anchor rod, radiating arms carried by the tubing, panels supported by and depending from said arms, electric lights carried by the panels and connected into an electrical circuit, and a fixed tongue in said circuit with which said points contact successively whereby the circuit is alternately completed and broken as said table rotates.

1,535,438. CELLULOSE ESTER OF REDUCED VISCOSITY AND PROCESS OF MAKING SAME. EARLE C. PITMAN, Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 13, 1922. Serial No. 606,740. 54 Claims. (Cl. 13[illegible]—79.)

1. The process of reducing the viscosity of a cellulose ester which comprises subjecting said ester in the undissolved state to the action of a liquid which is practically a nonsolvent for said ester and which contains an alkaline substance, until the desired reduction of viscosity has occurred.

23. A composition comprising a cellulose nitrate having a viscosity, as determined upon an 8 ox. amyl acetate solution at 28° C., of less than 300 centipoises, said composition being free from decomposition products of the kind formed when cellulose nitrate has undergone a reduction of viscosity.

1,535,439. TRACTOR CULTIVATOR. ANDREAN G. RONNING and ADOLPH RONNING, Minneapolis, Minn. Original application filed Mar. 6, 1916, Serial No. 82,516. Divided and this application filed June 21, 1918. Serial No. 241,133. 38 Claims. (Cl. 97—47.)



1. In a cultivator, the combination of earth working tools, a power operated pushing member located behind said tools, means pushed by said pushing member and operating to pull said tools, means for steering the cultivator, and means operated by said steering means for moving the tools laterally in a direction corresponding with that in which the cultivator is directed.

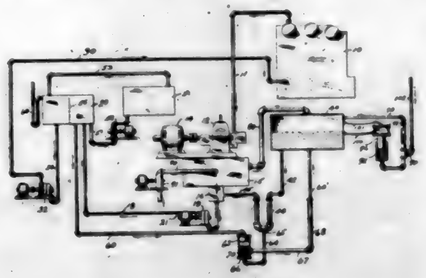
12. An agricultural implement comprising a front frame adapted to be propelled from the rear, dirigible means and cultivating devices connected with said front frame, a motor driven tractor element back of said cultivating devices and connected with said front frame, means for steering said dirigible means, and means for turning said tractor element laterally with relation to said front frame to aid in steering the implement.

28. In a machine of the character described, the combination of a power unit having laterally arranged traction wheels, a frame arranged forwardly of the traction unit to be pushed thereby, primary earth working tools connected with said frame to engage the ground area spanned by said traction wheels, secondary earth working tools arranged to engage the earth traversed by the respective traction wheels, and means for simultaneously raising and lowering the primary and secondary earth working tools.

34. A power propelled tillage implement having in combination a front frame, one or more dirigible wheels supporting said frame, a plurality of gangs of cultivating devices connected with the said frame and adapted to be swung laterally, a second frame adjustably connected to the rear of the cultivator frame, means for angularly adjusting said frame for steering the implement, power driven frame-pushing devices mounted on the second frame and engaging with the ground at a transverse line in the rear of the said dirigible wheels and of the cultivating devices, and means connecting the dirigible wheels and the gangs, whereby, when the gangs are being pushed from the rear and are being shifted laterally the dirigible wheels are simultaneously steered.

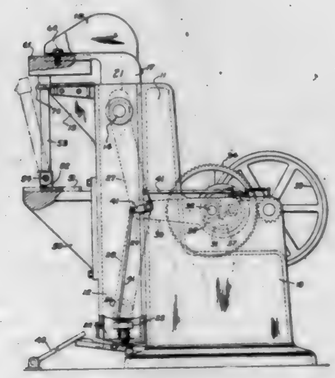
38. In a cultivating mechanism of the class described, the combination of a frame, dirigible wheels connected to and supporting the frame, tool gangs connected to the frame and adapted to swing laterally in relation thereto around vertical hinges, power devices for propelling said frame, gangs and wheels, and means connecting the tool gangs and the wheels for swinging the gangs laterally and simultaneously swinging the wheels and means for steering said mechanism independently of said gangs.

1,535,440. FEED-WATER SYSTEM. CHARLES ULYSSE SAVOYE, Hackensack, N. J., assignor to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Feb. 26, 1923. Serial No. 621,492. 9 Claims. (Cl. 103—1.)



1. In a feed water system, a steam boiler, a closed tank arranged to receive the condensate from exhaust steam, connections between said tank and the boiler, a clear water reservoir, a normally closed connection between the reservoir and the tank, and means, controlled by the pressure in said closed tank, to open the connection between the tank and the reservoir when the pressure in this tank exceeds a predetermined amount.

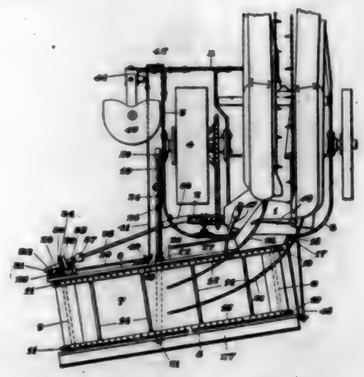
1,535,441. BOX-FORMING MACHINE. DAVID WILKIE, Chattanooga, Tenn., assignor to The Guardian Savings and Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 16, 1924. Serial No. 720,162. 4 Claims. (Cl. 93—36.)



1. In a paper box making machine, the combination of a support, a fixed jaw carried thereby, means forming a jaw guideway, a movable jaw slidably mounted in said guideway, means for reciprocating the movable jaw, a bracket carried by said support, and a pivoted arm carried by said bracket and engaging the movable jaw independently of said fixed jaw.

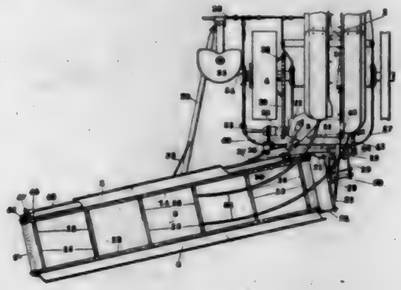
1,535,442. BUNDLE CARRIER. FREDERICK D. WILSON, Moline, Ill., assignor to Deere and Company, Moline, Ill., a Corporation of Illinois. Filed Sept. 7, 1915. Serial No. 149,347. Renewed Feb. 28, 1922. Serial No. 539,907. 15 Claims. (Cl. 56—121.)

1. The combination with a corn harvester and binder, of a bundle carrier mounted thereon at an oblique angle to the line of draft of the harvester, means to guide bundles to fall lengthwise of the carrier as they are



received from the harvester, and means for moving the bundles longitudinally of the carrier in substantial parallelism with the longitudinal axis thereof.

1,535,443. ELEVATOR FOR CORN HARVESTERS. FREDERICK D. WILSON, Moline, Ill., assignor to Deere and Company, Moline, Ill., a Corporation of Illinois. Filed Dec. 5, 1916. Serial No. 135,184. Renewed May 28, 1921. Serial No. 473,315. 11 Claims. (Cl. 56—120.)

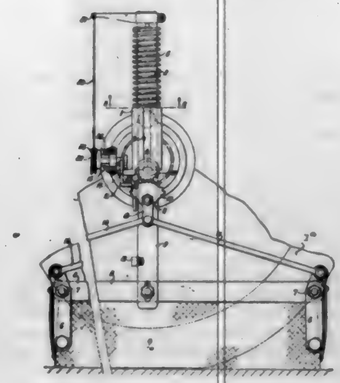


1. A harvester, a conveyer adapted to receive corn therefrom and convey it stubbleward, a truck pivotally connected to the harvester and supporting the conveyor whereby the weight of the conveyor is carried by the truck, and means on the rear of the harvester to which the receiving end of the conveyor is pivotally connected and about which it may raise or lower in a vertical plane, said means including a pivot having its axis substantially in line with the longitudinal axis of the conveyor and about which said conveyor is adapted to rock.

1,535,444. SPLASH-PREVENTING ATTACHMENT FOR MOTOR VEHICLES. CHARLES ANDERSON, Astoria, N. Y. Filed May 23, 1924. Serial No. 715,295. 2 Claims. (Cl. 280—153.)

2. A splash-preventing attachment for motor road vehicles comprising a socket member disposed laterally of a road wheel, said member having a slot extending diametrically of said wheel, a spring-urged rod accommodated in said socket member, an elongated oscillatory

member engageable with the slot in said socket member and journaled on said rod normally in position to close the lower end of the slot and adapted, when oscillated, to enter the slot and permit endwise movement of said rod in said socket member, a splash guard carried by said rod, a train of mechanism for imparting oscillatory movement to said elongated member to permit elevation of said guard, said train including levers engageable with obstacles on the roadway, and connections between said levers and said elongated member, means for restoring said guard to operative position including a friction wheel, rotatable means presenting a friction surface, and a shifting device adapted to shift the friction wheel into and out of contact with said



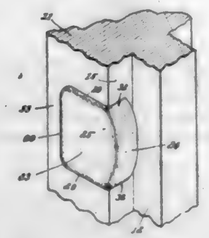
surface, said shifting device including a striker on said rod and a lever in the path of said striker, and serving, when rocked by said striker on upward movement of said rod, to establish driving relation between said friction wheel and said surface, a drum fitted on said friction wheel, a flexible wire wrapping around said drum and connected to said rod, whereby, when said friction wheel is rotated, said flexible wire is wound on to said drum and said rod is restored to operative position, and a supplementary striker on said rod engageable with said lever and adapted on the descent of said rod to rock said lever and thereby to bring said friction wheel out of contact with said surface.

1,535,445. METHOD OF PREPARING A CEMENTITIOUS COMPOSITION. JOSEPH HAY AMIES, Philadelphia, Pa. Filed Jan. 29, 1921. Serial No. 441,087. 7 Claims. (Cl. 106—24.)

3. The method of preparing a cementitious composition which consists in preparing an alkaline mixture by the admixture of water and an alkaline salt adding thereto and mixing therewith earthy material to cause disintegration thereof the said alkaline mixture serving to aid in neutralizing the acids contained in said earthy material, then adding thereto and mixing therewith hydroxide of calcium and finally adding to the mass and mixing therewith Portland cement which cement associates with hydroxide of calcium to produce a full alkaline reaction.

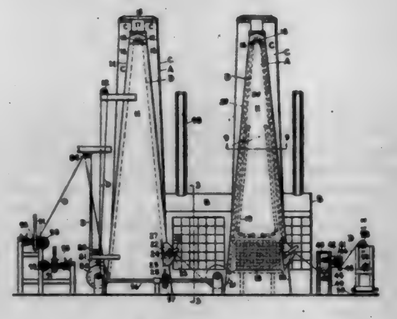
1,535,446. DOOR BUFFER. JAMES T. ATWOOD, Rockford, Ill. Filed Nov. 19, 1924. Serial No. 750,730. 1 Claim. (Cl. 16—86.)

In combination a door or a door casing having a socket the opposed sides of which have inwardly turned retaining members, a door buffer made of resilient material and adapted for edgewise insertion into said socket and having in its sides recesses for the reception of said retaining members, the inserted end of the buffer being shaped so as to be compressed by contact with said



retaining members when inserted and being adapted to return to a normal position in contact with said members to yieldingly hold the buffer from withdrawal.

1,535,447. MACHINE FOR FORMING ARTIFICIAL LEATHER OR THE LIKE. CLARENCE W. AVERY, Detroit, Mich., assignor to Ford Motor Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 16, 1922. Serial No. 529,797. 6 Claims. (Cl. 34—48.)

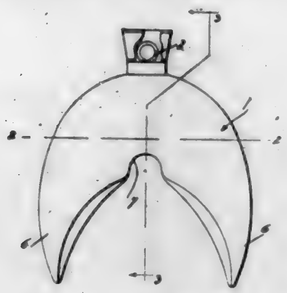


6. In an oven and machine for forming artificial leather, a chamber having upwardly converging end walls, an apron disposed in position spaced from and parallel with the inner surfaces of said walls, the edges of said apron being bent back upon themselves to form channel members spaced from said walls, heating units disposed in the bottom of said chamber, and means for causing a strip of flexible material to travel between the apron and said walls with its edges within said channels whereby the major portion of the heated air currents from said heating units may be caused to strike the central portion of one surface of the strip of pliable material.

1,535,448. WATER BOTTLE. WILLA BOORD, Houston, Tex. Filed Apr. 4, 1923. Serial No. 629,850. 1 Claim. (Cl. 128—252.)

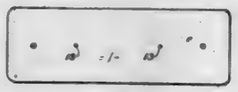
A water bottle concaved upon its rear surface to fit the human face and of greater length than breadth, the bottle being supplied on its rear surface with projections so located as to fit upon the eyes of the wearer, the bottle being provided in its lower edge with an opening having converging inner edges which extend upwardly in the direction of the length of the bottle, the bottle having a narrow and pronounced nose-seat distinct from

said edges of the opening and located at the upper end of said edges, the seat being extended upwardly to a point closely adjacent to the projections, the opening



forming side arms of greater length than the distance between the upper end of the seat and the upper edge of the bottle, and of such length as to extend downwardly upon the cheeks of the wearer.

1,535,449. HOUSING FOR TAPPET AND ROCKER ARMS FOR INTERNAL-COMBUSTION ENGINES. THOMAS P. CAIN, Wichita, Kans. Filed May 2, 1923. Serial No. 636,123. 1 Claim. (Cl. 123—90.)



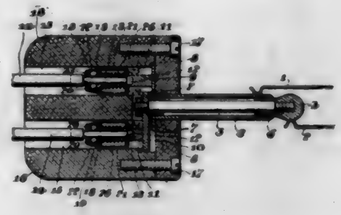
In a housing for tappets and rocker arms for internal combustion engines, a housing having its edges fitting closely to the outside walls of the engine, said housing comprising two parts namely a cap and side wall, said cap having apertures functioning as oil holes, apertures in alignment with rocker bearings, bolts connected to said bearings and extending through last said apertures and having nuts screwed thereon as binding means, the edges of said cap adapted to rest on the engine and on the side wall, a fabric sheet interposed within said cap and fitting closely to the side walls thereof, said fabric sheet being saturated with oil, said oil being poured through first said aperture, said oil saturated fabric sheet functions as dust proof means for the rocker arms of said engine, a side wall engaging and covering that side of the engine on which the rocker arm connecting rods are positioned, bosses on said side walls engaging with the walls of the cylinders as spacing means, an opening in said side wall to receive the exhaust pipe connection, an opening through which will pass the distributor adjusting rod, an anchor bolt and plate to bind said side wall firmly to the walls of the engine, said adapted to close the space between the two intermediate cylinders of the engine completing the housing.

1,535,450. IODINE AND PROCESS OF MAKING THE SAME. WALLACE L. CHANDLER, East Lansing, Mich. Filed Mar. 16, 1923. Serial No. 625,670. 6 Claims. (Cl. 23—216.)

1. The process of producing iodine crystals consisting in the treatment of fairly concentrated acidified solutions of alkali-metaliodides with fairly concentrated solutions of chlorinated lime, bringing about a vigorous oxidation of these acidified strong solutions resulting in the formation of crystalline iodine, as described.

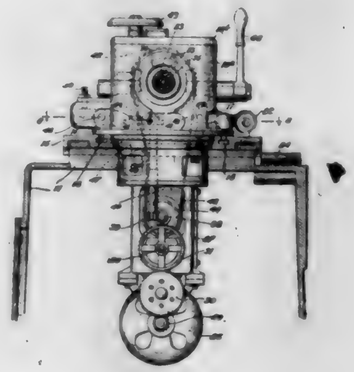
4. Iodine crystals, as specified, readily soluble in water, castor oil, etc., and vigorously active as a medicament and disinfectant.

1,535,451. ELECTRICAL CONNECTER. SAMUEL COHEN, Brooklyn, N. Y. Filed July 1, 1921. Serial No. 481,867. 2 Claims. (Cl. 173—259.)



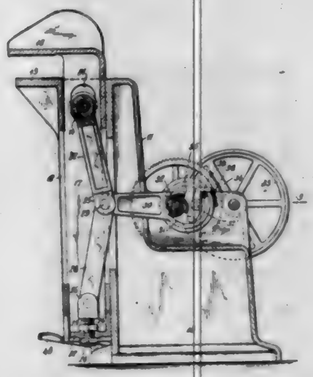
1. A plug structure having a base portion and an open end, a hollow conducting member immovably connected to said base portion and having an elongated passage opening towards said open end, movable gripping means carried by said conducting member and free to move laterally with respect to said passage, means adapted to restrain said gripping means from any substantial longitudinal movement in a direction towards said base portion, an outer sleeve slidably mounted on said conducting member and adapted to actuate said gripping means, the movement of said sleeve towards said open end being adapted to permit said gripping means to move freely in a direction away from said passage, and the movement of said sleeve towards said base portion being adapted to force said gripping means in a direction towards the axis of said passage, and a spring adapted to urge said sleeve in a direction towards said base portion.

1,535,452. GRINDING MACHINE. PRENTICE CONRADSON, Evansville, Wis., assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1923. Serial No. 619,123. 15 Claims. (Cl. 51—237.)



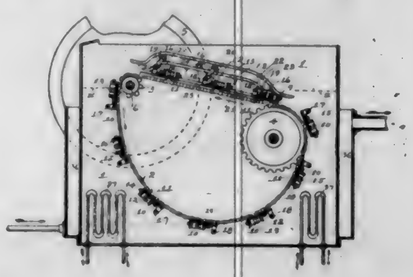
1. A machine of the character described having, in combination, a base, a carriage mounted thereon and comprising a base section mounted to slide on ways on said base and a body section mounted on said base section for rotary adjustment about a vertical axis, a spindle mounted in the upper part of said body section, a motor mounted on the underside of said body section, and a driving connection between said motor and said spindle.

1,535,453. BOX-FORMING MACHINE. SIMON COOPER, New York, N. Y., assignor, by mesne assignments, to The Guardian Savings and Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 2, 1920. Serial No. 400,709. Renewed Sept. 15, 1924. 19 Claims. (Cl. 93—36.)



1. In a paper box making machine, the combination of a heavy base, an anvil demountably secured to the front side of the base and constituting the lower jaw of a clamp, said anvil provided with a vertically extending guideway, a jaw post slidably mounted in said guideway, having a long bearing therein and provided with a movable jaw coacting with the anvil to form the clamp, rotary power means carried by said base adjacent the rear side thereof and means carried by the base between said power means and said jaw post for translating the rotary movement of said power means into relatively short but powerful reciprocatory movements of the movable jaw.

1,535,454. APPARATUS FOR FORMING AND COOLING LEAF SPRINGS AND THE LIKE. ALBERT P. CRELL, Grand Rapids, Mich., assignor of one-half to William Smalley Daniels, Grand Rapids, Mich. Filed Apr. 24, 1919. Serial No. 292,370. 6 Claims. (Cl. 266—6.)



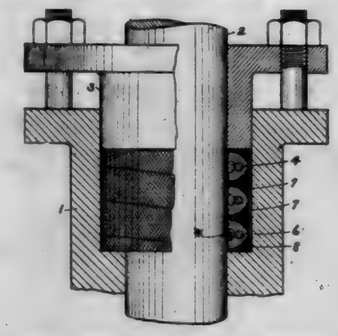
1. In a structure of the character described; a vessel adapted to contain a cooling liquid; a conveyor movable in the vessel and carrying co-operating interrelatively-movable clamp members adapted to clamp the work between them; an arm swingably carried by the conveyor and adapted to interrelatively move said members into and out of clamping position; a guide for the arm mounted extraneously of the conveyor and adapted to swing the arm to interrelatively move said members as aforesaid.

1,535,455. AIR-BRAKE EQUIPMENT. JOSEPH M. DAPRON, St. Louis, Mo. Filed June 4, 1923. Serial No. 643,418. 3 Claims. (Cl. 303—6.)



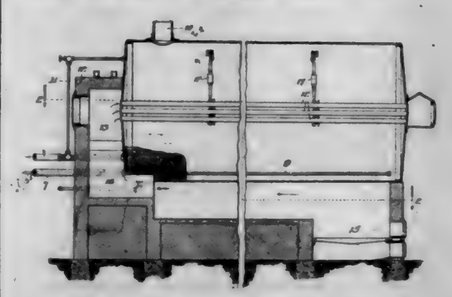
1. The improvement in air brake equipment comprising a series of air-brake equipped vehicles; one or more doors on each of said vehicles; and means arranged to apply the brakes by the opening of either door of either car, and to disengage said brakes by the closing of said door.

1,535,456. PACKING. THOMAS BLAKE DUPREE and HAMPTON P. RHODES, Houston, Tex.; said Rhodes assignor to said Dupree. Filed Dec. 5, 1922. Serial No. 604,994. 5 Claims. (Cl. 154—45.5.)



1. A packing constructed with a core formed of asbestos surrounded by soft metal, an outside cover for said core formed of resilient material arranged in two lengthwise sections, said core and metal being saturated with a lubricant, and an inside asbestos wearing surface on said core.

1,535,457. ART OF DISTILLING PETROLEUM OILS. GEORGE H. FIFIELD, Whiting, Ind. Filed Apr. 26, 1920. Serial No. 376,630. 7 Claims. (Cl. 196—85.)

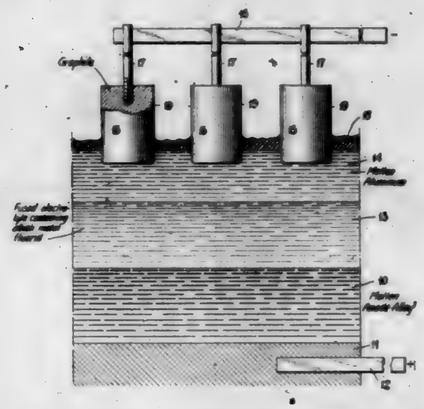


1. A shell still, means for supplying steam at the bottom of the still; means for heating the lower portion of the still surface; a plurality of tubes passing thru the still near the center line of the still providing a heating area greater than the heated area of the still surface and means for heating the surface of said tubes to a lower temperture than the temperature of the heated still surface.

6. The process of fire and steam distillation of hydrocarbon oils which consists in maintaining a body of oil in a confined space, applying heat at an average tempera-

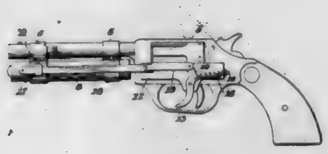
ture above 1000–1100° F. at the bottom of the confined body of oil, injecting steam thereinto near its bottom and applying heat to an area in excess of that of the bottom of the oil body to which heat is applied, said area being arranged in distributed zones within the oil intermediate its surface and its heated bottom at an average temperature more than 300° less than that applied at its bottom, and withdrawing the evolved vapors.

1,535,458. METHOD OF AND APPARATUS FOR ELECTROLYTIC REFINING. FRANCIS C. FRARY, Oakmont, Pa., assignor to Aluminum Company of America, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 5, 1923. Serial No. 672,867. 6 Claims. (Cl. 204—20.)



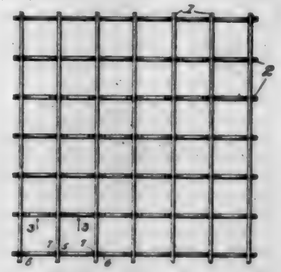
1. In a process of electrolyzing a fused electrolyte containing a fluorid of an alkali metal, in which a layer of molten metal floating on the electrolyte acts as cathode, conveying electrolyzing current between the cathode and the external circuit through a connector the lower end of which is composed essentially of graphite in contact with said layer of molten metal.

1,535,459. ATTACHMENT FOR REVOLVERS. ERICK A. FREDRICKSON, Drayton, N. Dak. Filed Oct. 30, 1922. Serial No. 597,891. 1 Claim. (Cl. 240—8.4.)



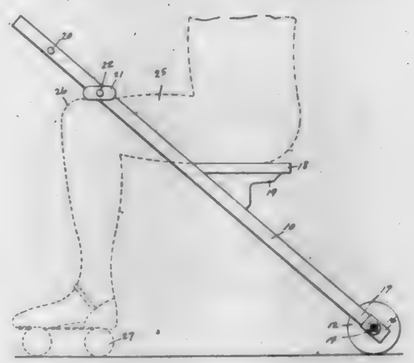
In a device of the class described the combination with a fire arm including a barrel; of a flash light removably secured to and suspended below said barrel, said flash light being provided with a circuit closing operating member and means for manually actuating said member comprising a plate secured to the body of said fire arm, said plate being provided with a depending central portion and a rearwardly projecting lug, a trigger fulcrumed intermediate of its ends on the depending central portion of said plate, a longitudinally slidable bar supported immediately adjacent said flash light having connection with said circuit closing operating member, a link pivotally connecting the inner end of said bar with the inner end of said trigger, and a coil spring having one end engaged with said trigger intermediate its fulcrumed and inner end and having its opposite end engaged with the rearwardly projecting lug on said plate.

1,535,460. FILLER DEVICE FOR EGG CASES OR CRATES. WILLIAM FREERICKS, Steamboat Rock, Iowa. Filed Mar. 25, 1924. Serial No. 701,777. 2 Claims. (Cl. 217—31.)



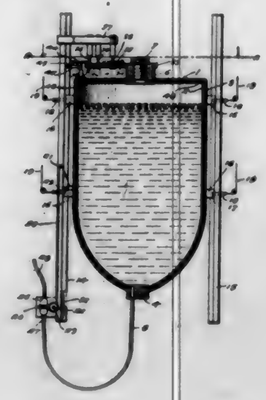
1. A filler of the character described comprising strips extending parallel to each other and provided with transversely extending slots substantially rectangular in shape and having V-shaped notches at the ends of the slots providing inwardly converging faces, and a second set of strips extending transversely to the first strips and through the slots formed therein, the strips of the second set being each provided with V-shaped notches leading from opposite side edges in opposed relation to each other and providing reduced portions adapted to be positioned in the slots of the first mentioned strips, the second mentioned strips being bevelled along the edges of the V-shaped notches to provide converging faces fitting into the V-shaped notches of the first mentioned strips and contacting with the converging faces thereof.

1,535,461. COASTING TOY. HOWARD R. FREVERT, Portland, Oreg. Filed Sept. 24, 1924. Serial No. 739,614. 2 Claims. (Cl. 208—182.)



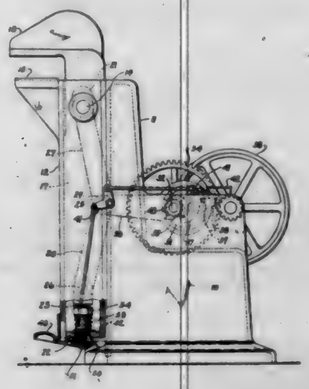
1. In a coasting device, the combination of a longitudinal frame having a fork formed at one end with a wheel mounted in said fork; a seat rigidly mounted on said frame near its middle; and a pair of rotatable flat arms projecting from the side of said frame adapted to rest upon the legs of a rider while sitting on said seat astride said pole.

1,535,462. FUEL TANK FOR AEROPLANES AND THE LIKE. MARIO GARAGNANI, Paris, France, assignor of one-half to Henry A. De Mailly, New York, N. Y. Filed Mar. 14, 1924. Serial No. 699,339. 11 Claims. (Cl. 244—1.)



11. A fuel tank comprising inner and outer sections contacting throughout their surfaces and having relative movement.

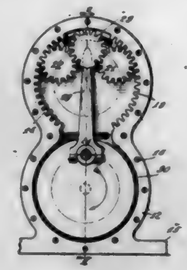
1,535,463. BOX-FORMING MACHINE. DON GAULT, East Lake, Tenn., assignor to The Guardian Savings and Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 14, 1923. Serial No. 651,504. 5 Claims. (Cl. 93—36.)



1. In a box-forming machine, the combination of a movable jaw, a toggle for reciprocating the same, driving mechanism for actuating the toggle, and resilient cushion means for cushioning the blow of the movable jaw to limit the pressure applied thereby.

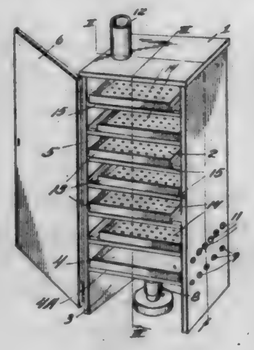
1,535,464. FLUID PUMP OR MOTOR. JOHN W. GURLEY, Indianapolis, Ind. Filed Oct. 24, 1924. Serial No. 745,549. 6 Claims. (Cl. 103—116.)

1. In combination, a casing having internally two opposite flat walls and two curved walls, said curved walls being provided with internal gear teeth constituting parts of the same internal gear, two hypocycloidal gears meshing with the teeth of said two curved walls, a third gear meshing with said two hypocycloidal gears, and a crank-shaft having a crank connected to said third



gear by a connecting rod rigid with said gear, said casing being provided with inlet and exhaust passages, and said three gears fitting between said parallel flat walls.

1,535,465. GRAIN SPROUTER. WILLIAM H. HACKMAN, Chapman, Kans. Filed Mar. 31, 1924. Serial No. 703,278. 5 Claims. (Cl. 47—16.)

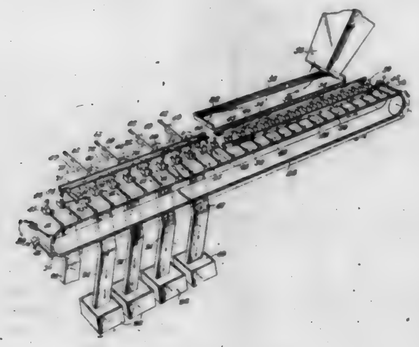


2. A grain sprouter provided with a cabinet, having an air inlet, an air outlet, a plurality of grain trays interposed between said air inlet and said air outlet and extending alternately from opposite sides of said cabinet to within a distance from the other wall thereof, to form a zigzag passage from said air inlet to said air outlet, a water pan below said air inlet and means for heating said water pan.

1,535,466. MACHINE FOR PRODUCING DISKS FROM CORK OR CORK COMPOSITION. OSCAR J. HARMS, Baltimore, Md., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md., a Corporation of Maryland. Filed Mar. 19, 1921. Serial No. 453,776. 12 Claims. (Cl. 144—2.)

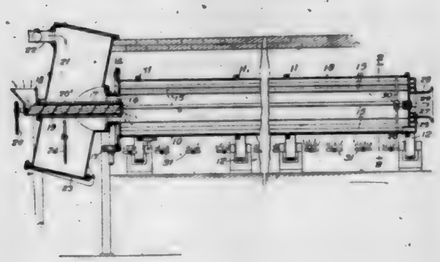
1. In a machine for cutting sealing-disks from cork plugs the combination with an endless series of clamp devices, of two spaced-apart upper horizontal supports, two spaced-apart lower horizontal supports said upper and lower horizontal supports sustaining some of said clamp devices, a circular device at each end of said upper and lower supports to direct the clamp devices while the latter travel between said two sets of supports, a flexible device traveling around said two cir-

cular devices and between the two upper and two lower horizontal supports said flexible device being connected to each of the clamp-devices to cause them to travel



along said supports, a series of cutters along the path of the clamp-devices and means for actuating the clamps between successive cutters to feed the cork plug forward.

1,535,467. PROCESS OF EXTRACTING MERCURY FROM CINNABAR. EDWARD E. HEDGES, New York, N. Y., assignor to The Hedges New Education Process Corporation, Newark, N. J. Filed Nov. 29, 1922. Serial No. 604,041. 6 Claims. (Cl. 75—22.)

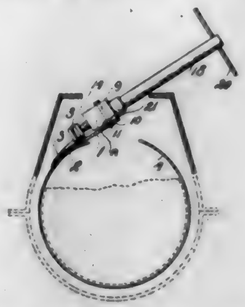


1. The process of extracting mercury from cinnabar consisting in subjecting cinnabar to steam superheated above the vaporization point of mercury and excluding the air.

1,535,468. PROCESS OF EXTRACTING SULPHUR FROM ITS ORES. EDWARD E. HEDGES, New York, N. Y., assignor to The Hedges New Eduction Process Corporation, Newark, N. J. Filed Nov. 29, 1922. Serial No. 604,042. 7 Claims. (Cl. 23—10.)

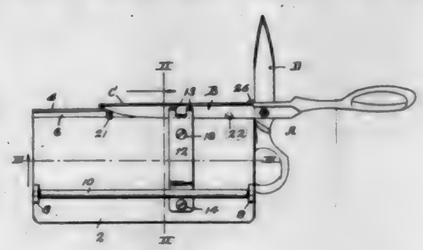
1. The process of extracting sulphur from its ores consisting in charging the sulphur-bearing material into one end of an elongated retort, cascading the material progressively to the opposite end to discharge, introducing a fluid heated to sulphur-vaporizing temperature at the end opposite the charging end and causing a continuous flow of said fluid throughout the length of said retort and the cascading material to liberate and take up the sulphur vapors, taking off the vapor laden fluid at the charging end and condensing the vapors.

1,535,469. LUG-REMOVING DEVICE. MICHAEL HOFFMAN, Los Angeles, Calif. Filed Oct. 13, 1924. Serial No. 743,261. 4 Claims. (Cl. 81—3.)



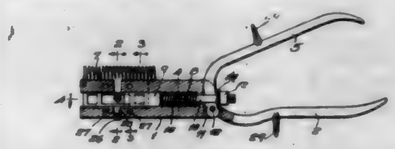
1. A device for removing lugs from transmission bands, comprising a shank having means for engaging a lug, a member operable on said shank, an elongated wedge loosely connected to said member, and means for operating said member on said shank to force said wedge between the lug and band.

1,535,470. SCISSORS SHARPENER. THOMAS O. HOPKINS and SIDNEY H. EASTERDAY, Kansas City, Mo.; said Easterday assignor to said Hopkins. Filed Feb. 18, 1924. Serial No. 693,550. 2 Claims. (Cl. 76—82.)



2. In a scissors sharpener, a bed-plate, means for securing either blade of a pair of scissors in position upon said bed-plate, a sharpener guide mounted on the bed-plate, and two elements spaced apart and threaded in said bed-plate to adjust the secured end of either blade up or down to bring the same in parallel relation with said guide.

1,535,471. HAIR CLIPPER. ESHUE K. HOWELL, Chicago, Ill. Filed Aug. 30, 1923. Serial No. 660,198. 4 Claims. (Cl. 30—1.)



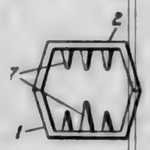
1. In combination, an elongated body member having a handle portion thereon, clipper blades adapted to be reversibly arranged on said body member at one end thereof so as to present their cutting edges at either side, and operating means connected to said handle to actuate said blades.

1,535,472. RADIATING ELEMENT FOR GAS HEATERS. ALFRED H. HUMPHREY, New York, N. Y. Filed June 12, 1920. Serial No. 388,612. 2 Claims. (Cl. 126—92.)



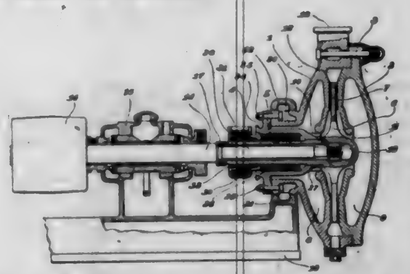
1. As an article of manufacture a foraminated tubular radiating element for gas stoves consisting of front and back portions formed of earthy material, the back portion being of uncolored material and the front portion having colored portions of the same material incorporated as a homogeneous part thereof.

1,535,473. METHOD OF MANUFACTURING RADIATING ELEMENTS FOR GAS HEATERS. ALFRED H. HUMPHREY, New York, N. Y., assignor to General Gas Light Company, Kalamazoo, Mich. Filed Feb. 15, 1921. Serial No. 445,182. 1 Claim. (Cl. 18—60.)



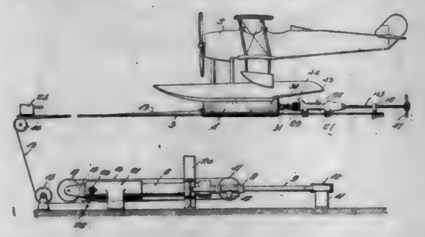
The method of manufacturing tubular foraminated radiating elements for gas heaters consisting of molding complementary front and back portions from uncolored plastic material and embedding in the surface of the front portions granules of colored earthen material, said front and back portions being otherwise uncolored providing uncolored rear and inner surfaces, joining the front and back portions while plastic, and firing.

1,535,474. PUMP. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Jan. 18, 1924. Serial No. 687,107. 4 Claims. (Cl. 103—114.)



1. In combination in a centrifugal pump, a casing provided with an opening through its side, a composite drive shaft, comprising an inner rod of strong, tough metal and a surrounding sleeve of corrosion resisting composition extending through such opening, an impeller or runner carried by the inner end of said sleeve, a stuffing box member carried by the casing extending into said opening to a point adjacent the impeller, and constituting a bearing for said sleeve at such point, and packing lying in said member and engaging said sleeve.

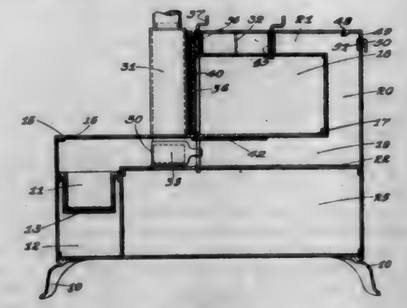
1,535,475. AIRPLANE CATAPULT. CARL F. JEANSEN and ELMER F. STONE, Washington, D. C. Filed Feb. 8, 1924. Serial No. 691,441. 25 Claims. (Cl. 244—2.)



2. In an airplane catapult, the combination of a track, a launching carriage adapted to travel on the track, an explosion device for producing expansive gases from an explosive, means for controlling the expansion of the gases, and motion transmitting mechanism for utilizing and transmitting the force of the controlled gases for propelling the carriage.

20. In an airplane catapult, a carriage locking and releasing mechanism comprising a support, a spring-controlled sliding draw-bar on the support, a pivoted latch hook carried by the draw-bar, an independently pivoted dog for holding said latch hook in engaging position, and an adjustable trip device normally fixed from movement relative to the draw-bar for retracting the dog upon a predetermined forward movement of the carriage and draw-bar.

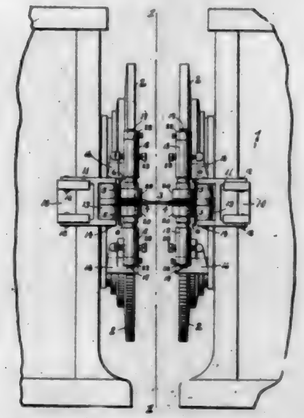
1,535,476. STOVE. BERTRAND B. KAHN, Cincinnati, Ohio, assignor to The Estate Stove Company, Hamilton, Ohio, a Corporation of Ohio. Filed July 16, 1923. Serial No. 651,782. 6 Claims. (Cl. 126—1.)



1. A range of the character described, for utilizing coal, wood, or the like, as fuel, comprising a fire box; an oven having a bottom flue communicating with the fire box, a single end flue located at one side of the oven, a top flue above the oven; the bottom flue having an opening therein connected directly with the flue connection, the top flue having an opening therein connected with the [illegible] flue connection; a damper associated with the first named flue opening and adapted for positioning to connect or disconnect the said bottom flue from the flue connection, the said bottom flue

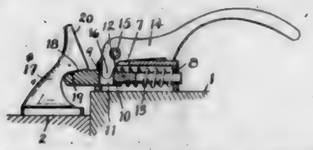
opening being so positioned that when the damper is positioned to connect the bottom flue to the flue connection, the products of combustion from the fire box will escape through the flue connection without heating the interior of the oven.

1,535,477. WELDING-MACHINE GUIDE. THOMAS H. KANE, Youngstown, Ohio, assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed Aug. 15, 1923. Serial No. 657,478. 4 Claims. (Cl. 219—4.)



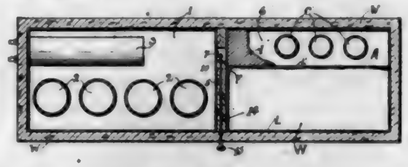
1. A guide mechanism for joist-welding machines comprising a pair of rollers to contact with the edges of the plates constituting the webs of the joists and with the outer sides of the lateral flanges of the angle bars to be attached thereto, and two pairs of rolls to contact with the opposite sides of said flanges.

1,535,478. LATCH. ISAAC S. KEELER, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich. Filed June 9, 1923. Serial No. 644,300. 4 Claims. (Cl. 292—173.)



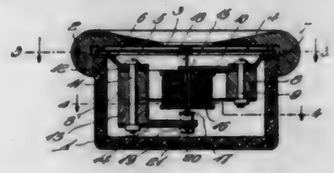
1. In a latch, the combination of a housing having spaced pivot ears on the top thereof and an opening between said ears, the end walls of the housing being provided with opposed bolt openings, a bolt mounted to reciprocate in said openings and provided with an opening aligned with said opening in said housing top, and with a shoulder, a spring disposed on said bolt to engage said shoulder, the opposite end of the spring being supported by the housing whereby the bolt is normally projected, a bolt retracting lever pivotally mounted on said ears and provided with a finger projecting through said opening in said housing to engage said hole in said bolt, said finger constituting a stop limiting the projecting movement of said bolt, and a strike having a beveled keeper coacting with said bolt, the outer side of the bolt being beveled to engage with the edge of the keeper as the bolt is projected into engagement therewith, the keeper engaging the bolt beyond the beveled portion thereof when the bolt is fully projected, said strike having an inclined face with which said bolt coacts as it moves to keeper engaging position.

1,535,479. REFRIGERATING APPARATUS FOR SODA FOUNTAINS. HERBERT C. KELLOGG, Detroit, Mich. Filed May 17, 1924. Serial No. 713,942. 12 Claims. (Cl. 257—1.)



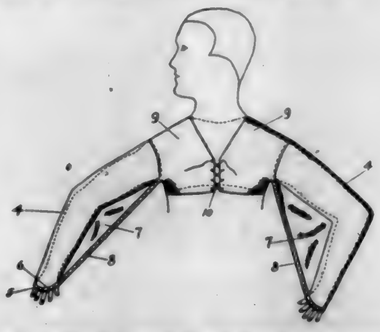
1. In combination with a tank having cooling means, a compartment heat insulated from the tank, and metallic heat conductive means between the compartment and the tank adapted to selectively establish heat exchange between the tank and the compartment.

1,535,480. RECEIVER. JOSEPH M. S. KING, East Mill Creek, Utah. Filed Oct. 29, 1923. Serial No. 671,499. 1 Claim. (Cl. 179—119.)



A receiver comprising a shell, a diaphragm at one side thereof, a substantially semi-circular magnet mounted in said shell in a plane parallel with said diaphragm, a pair of pole pieces extending toward the axial line of the diaphragm from the ends of said magnet and spaced apart along said line, a magnetic tubular core coaxial with the diaphragm and disposed between the two pole pieces, said core being secured to one of said pole pieces and spaced from the other, an armature in the space between said core and said other pole piece, a connection between said armature and said diaphragm extending through said tubular core, a coil around said core, and an elongated spring secured at its center to the side of said other pole piece remote from said core, said spring having its ends extended beyond the side edges of this pole piece and bowed, said bowed spring ends being secured to said armature.

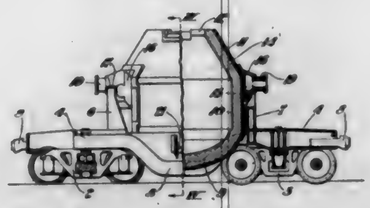
1,535,481. SWIMMING APPARATUS. GREGERS G. B. KJELGAARD, Hoosick Falls, N. Y. Filed May 17, 1924. Serial No. 714,065. 6 Claims. (Cl. 9—21.)



6. A swimming apparatus comprising sheet members adapted to hold fore-arm in a position to form an angle with upper arm, a reinforced edge of said sheets, arm

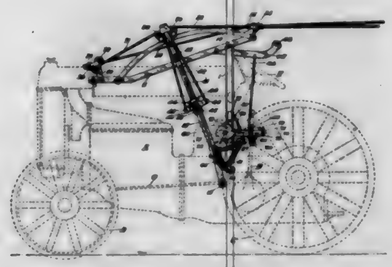
engaging supports connected with said sheets, finger receiving openings at outer end of arm supports, a body support connected with arm supports and sheets, means for imparting buoyancy to body support, and means for securing said apparatus upon the body.

1,535,482. LADLE. FRED E. KLING, Youngstown, Ohio. Filed Oct. 4, 1923. Serial No. 666,454. 5 Claims. (Cl. 22—82.)



1. A ladle for hot metal cars having an approximately hemispherical bottom portion, a cylindrical central portion, and a frusto-conical top or nose portion having its uper end open to form a contracted opening.

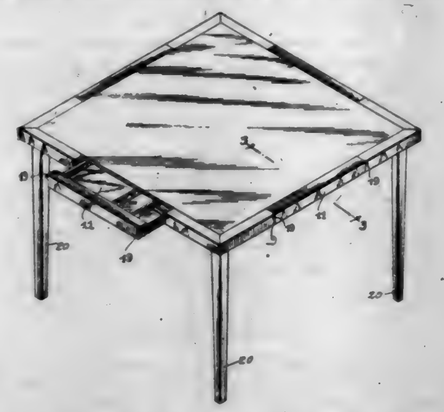
1,535,483. ATTACHMENT FOR TRACTORS AND MOTOR VEHICLES. ALFRED W. KNUTSON, Galesburg, Ill., assignor to Alvin V. Rowe, Galesburg, Ill. Filed Nov. 19, 1920. Serial No. 425,261. 8 Claims. (Cl. 180—77.)



1. An attachment for a standard tractor to convert the gear shifting and clutch control to rein control, including means to operate the usual clutch lever, means to operate the usual gear shifting lever, and rein means common to and adapted for actuating both said operating means, said operating means having a predetermined movement relative to each other whereby the clutch is released in advance of the movement of the gear shifting lever.

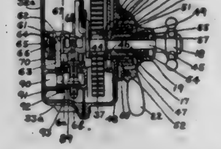
1,535,484. GAME TABLE. ELISABETH GODEY KOHL, Burlingame, Calif. Filed Aug. 6, 1923. Serial No. 655,879. 7 Claims. (Cl. 273—136.)

1. In a game table, a table having drawers, the front of each drawer comprising a rib and a removable section constituting a rack for game pieces, means for producing interlocking connection between the sectional front



of each drawer and the table to retain the sections of the drawer front assembled when the drawer is closed, and means for holding each drawer closed.

1,535,485. THERMOSTATIC VALVE. FREDERICK CHARLES LEONARD, Providence, R. I., assignor to Leonard-Rooke Company, Providence, R. I., a Corporation. Original application filed Feb. 10, 1921, Serial No. 443,796. Divided and this application filed Nov. 27, 1923. Serial No. 677,318. 4 Claims. (Cl. 277—18.)



4. In a thermostatic valve, a casing having inlets for hot and for cold water and an outlet, mechanism housed within said casing for controlling the flow of water from said inlets comprising moving valves and fixed seats, said casing being composed of two main parts, the one a base part and the other a cover part, and means for supporting said moving valves and fixed seats from said cover part.

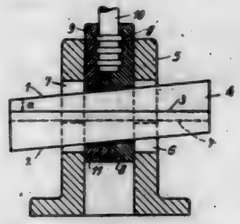
1,535,486. ELECTRIC-LAMP BULB. JAMES W. LUNDY, San Francisco, Calif. Filed Aug. 28, 1922. Serial No. 584,839. 1 Claim. (Cl. 219—45.)



A device such as described, comprising an electric lamp bulb; an illuminating filament arranged horizontally within said bulb; an attaching plug on said bulb supporting said filament; and a depression formed inte-

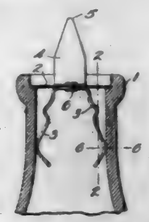
grally with said bulb of substantially the same diameter as said filament and arranged in spaced relation relative to said filament so that the heat of illumination is concentrated on said depression.

1,535,487. WEDGE GEAR. ALEXANDER LUSCHNOWSKY, Vienna, Austria. Filed June 25, 1923. Serial No. 647,709. 4 Claims. (Cl. 25—104.)



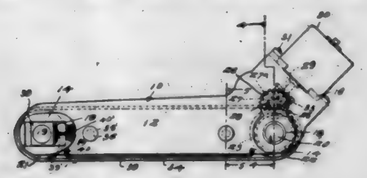
2. A wedge gear comprising a wedge, a casing and a driven part, two oppositely directed parallel guiding faces on said wedge, fitting into suitable slots of said casing, and two further oppositely directed parallel faces, which are oblique to said guiding faces and fit into a slot of said driven part.

1,535,488. CONTAINER CLOSURE AND CAP REMOVER. GUSTAVUS A. MADDOX, Baltimore, Md., assignor of one-half to Robert F. Leach, Jr., Baltimore, Md. Filed Apr. 17, 1924. Serial No. 707,030. 3 Claims. (Cl. 215—51.)



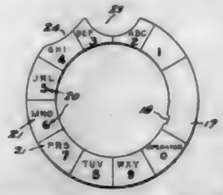
1. A container closure, comprising a disc and a plurality of members, one of which is resilient, secured to said disc to project within and engage the interior wall of a container to be closed, the engagement between one of said members and the interior wall being a two point engagement whereby friction is produced between at least one of said two points and the interior wall of the container when said disc is moved in a direction at right angles to a plane passing through two of said members.

1,535,489. SANDER OR SURFACING MACHINE. CECIL A. MAYS, East Akron, Ohio. Filed Feb. 19, 1923. Serial No. 619,977. 5 Claims. (Cl. 51—170.)



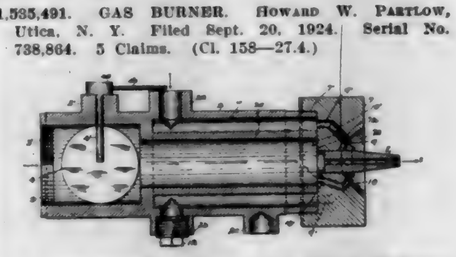
1. A machine of the class described having a frame, polishing means mounted on said frame, said polishing means including a gear wheel, a relatively short stub shaft, means to drive said gear wheel from said stub shaft, a gear wheel on the stub shaft overlapping the inner surface of said gear wheel to prevent displacement thereof and of the stub shaft, a gear wheel disposed at an angle to and in mesh with the latter gear wheel, and means on the frame to drive the last mentioned gear wheel.

1,535,490. GUIDE CHART FOR AUTOMATIC TELEPHONE INSTRUMENTS. MURRAY L. ONG, Seattle, Wash., assignor of forty-five per cent to Charles S. Hines, Seattle, Wash. Filed May 3, 1924. Serial No. 710,795. 3 Claims. (Cl. 179—90.)



1. The combination with a telephone instrument provided with a circular casing having a series of index characters on the upper surface thereof, a dial wheel disposed above said casing and mounted to rotate about the axis of the casing, said wheel being provided with sight apertures for the respective index characters, and a finger stop secured to the casing and extending over said wheel, of an annular device comprising a substantially circular plate element and a flange element extending downwardly from the inner periphery of said plate element for engaging the device to said casing, and means to secure the device to the casing against rotary movement, said plate element being provided upon its upper surface with a series of circumferentially disposed index marks.

1,535,491. GAS BURNER. HOWARD W. PARTLOW, Utica, N. Y. Filed Sept. 20, 1924. Serial No. 738,864. 5 Claims. (Cl. 158—27.4.)



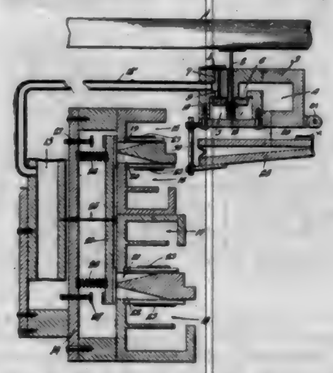
5. A gas burner comprising a cylindrical body having a central longitudinal air chamber extending therethrough, a throttle in one end of said chamber, said body being formed with an annular gas chamber surrounding the air chamber beyond the throttle and having a gas inlet, a cap for closing the opposite end of the body and for preventing the mingling of the air and gas within the body, the outer face of said cap having a cavity, and said cap having passages for conducting the air and gas from the respective chambers into the cavity to be mixed and consumed outside the body and cap, the discharge orifices of said passages being arranged in alternate order, and an elongated hollow deflector extending outwardly from the center of said cavity adapted for directing the flame away from the cap and for discharging a jet of air into the flame beyond said cavity.

1,535,492. PROCESS FOR FACING SHEETS OR OBJECTS OF ALUMINUM AND THE LIKE WITH SHEETS OF HEAVY METAL. AUGUSTO PASSALACQUA, Paris, France. Filed Dec. 21, 1923. Serial No. 682,114. 8 Claims. (Cl. 148—11.)

1. The process for lining objects of light metal with a heavy metal adapted to form a protective layer, which

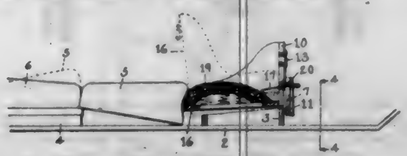
comprises heating the light metal object and the covering sheet of heavy metal, carefully cleaning the surfaces of said pieces to be joined together, continuing heating of the light metal, until it attains a temperature of between 300° C. and 550° C., spreading a metal of a low melting point over the surface of said light metal, superimposing the heated heavy metal sheet upon said spread surface and pressing the two juxtaposed pieces strongely together.

1,535,493. PNEUMATIC ACTION FOR REED ORGANS. PERCY PRESTON, Ardmore, Okla. Filed Jan. 10, 1922. Serial No. 528,179. 5 Claims. (Cl. 84—172.)



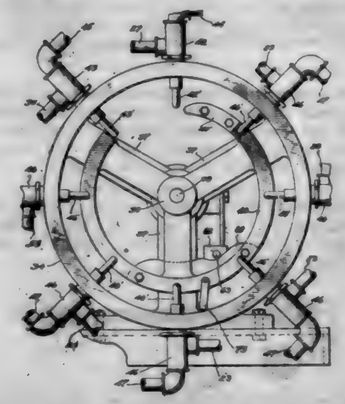
2. The combination with a key of a piano keyboard, of a structure movably mounted thereunder and having an air passage, a pneumatic connected to said structure and in communication with the passage, said pneumatic being collapsible by the creation of a partial vacuum in the air passage thereby to shift the structure relative to the key, a reed pipe, a valve therefor, a pneumatic for controlling the operation of the valve, a connection between the pneumatic and the air passage in the movable structure, a valve for controlling the flow of air to said passage, and a tracker connected to the valve and movable with the structure into and out of operative relation with the key of the keyboard.

1,535,494. CONVERTIBLE VEHICLE BODY. ERIC J. PUSCHEL, Allegan, Mich. Filed Oct. 13, 1924. Serial No. 743,329. 9 Claims. (Cl. 155—7.)



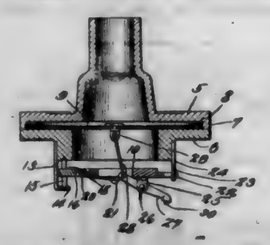
1. In a structure of the class described comprising a seat base adapted as a receptacle, a frame-like seat bottom hinged to the front of said base to be swung forwardly to open the receptacle, said seat bottom comprising front and rear members having complementary end sections of an unequal length, those of the rear member being the longer, hinge plates rigidly secured to the under sides of the front member end sections and pivotally connected to the under side of the rear member end sections, the pivots being substantially spaced from the meeting ends of said sections so that the front bottom member may be swung on said bottom hinge and the rear bottom member swung on said hinge connection between said members, locking plates secured to the upper sides of the rear member end sections to overlap the front member end sections when the members are extended, means for securing said locking plates to said hinge plates whereby the bottom members are locked in extended relation, a back carried by the rear bottom member and provided with a cushion, a removable seat cushion, a flexible extension secured at one edge to said back cushion, a ball-like support for said extension pivotally mounted on the rear bottom member to collapse rearwardly thereon below said back cushion or to be swung forwardly between said end sections for supporting said extension in erected position, and rests for said support when in erected position.

1,535,495. BOILER CLEANING. GRANT I. RAWSON, Detroit, Mich., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich., a Corporation of Michigan. Filed Mar. 7, 1921, Serial No. 450,412. Renewed Aug. 8, 1924. 15 Claims. (Cl. 122—392.)



1. In a boiler cleaning system comprising a plurality of blower units, a header for delivering cleaning fluid to said units; a distributor for controlling the delivery of said fluid to said header; means operable by the stoker of the boiler for controlling the delivery of fluid to said header and a drain valve in said header operable through the pressure of the cleaning fluid in said header.

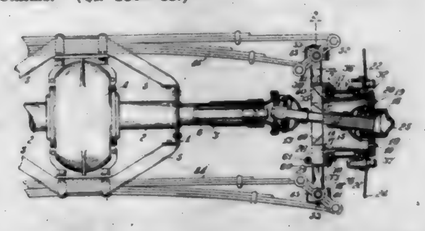
1,535,496. REPRODUCER. CHARLEY REUTER and OSCAR SCHILLING, Warsaw, Ill. Filed May 31, 1921. Serial No. 473,594. 1 Claim. (Cl. 274—34.)



In a reproducer, a body portion including separable sections, a diaphragm positioned between the sections, an arm secured to the body portion and having a right angled end arranged in spaced relation therewith to provide a bearing, a vertical pin arranged between the body portion and bearing, a bearing member mounted intermediate the ends of the pin, a stylus support pivotally connected to the last mentioned bearing member and adapted to move in a vertical plane, a spring member having connection with the stylus support to normally hold the stylus support downwardly, said stylus support having a central opening, a rod having connection

with the diaphragm and extending through the central opening, a stylus arm pivotally mounted on the stylus support, said rod having connection with the stylus arm, and a support for the outer end of the stylus support to permit the stylus support to move vertically and laterally.

1,535,497. VEHICLE WHEEL. CLIFTON ROCHE, Chicago, Ill. Filed Dec. 6, 1922. Serial No. 605,257. 5 Claims. (Cl. 180—43.)



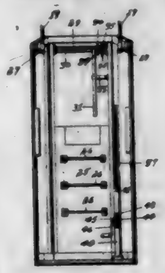
1. In a vehicle, a frame, transverse springs, shackles at the ends of said springs, a collar to which said shackles are movably secured, a wheel structure having elements projecting into said collars, and means for turning said elements within said collars.

1,535,498. SOLDERING IRON. WILLIAM CHARLES ROE, Pittsburgh, Pa. Filed Mar. 14, 1919, Serial No. 282,557. Renewed Jan. 21, 1921. Serial No. 439,050. 11 Claims. (Cl. 219—26.)



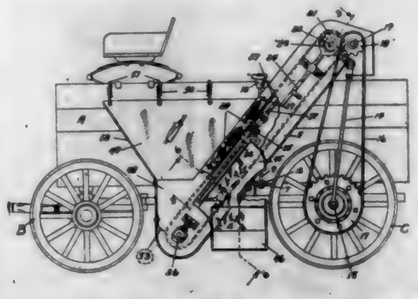
1. An electrically heated soldering iron comprising a handle formed of interiorly recessed separable sections, a metallic tube rigidly connected to one of said sections, the other handle section being movably associated with said first mentioned section and said tube, a heating element comprising a soldering iron and a resistance coil in the electric circuit, means to convey electric current to said device, and a resilient switch secured in the handle section connected to the tube, the free end of said switch being normally out of contact with said tube and adapted to be forced into engagement therewith by the movement of the movable section of the handle when grasped by the user, whereby electric current is transmitted to said heating element only when in use.

1,535,499. ELEVATOR FOR SILOS. WILLIAM O. SIBYERS, Newell, Iowa. Filed Nov. 4, 1922. Serial No. 599,048. 3 Claims. (Cl. 187—1.)



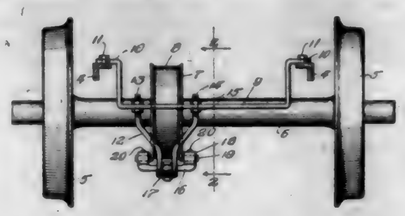
2. An elevator for silos comprising in combination stationary upright guide rails designed to be secured to a silo on opposite sides of the door opening, an elevator cage, a counter balancing weight device for the elevator cage, a gripping device carried by the cage and comprising two rotatable shafts arranged parallel with each other, a pinion on each shaft in mesh with each other, a cam gripping member on each shaft extended in opposite directions, a lever fixed to one of the shafts, a stationary gripping member carried by the cage, said stationary and cam gripping members being designed to engage a guide rail on opposite sides, for the purposes stated.

1,535,500. CORN HUSKER. OSCAR SKARPHOL, Dalton, Minn. Filed Jan. 24, 1924. Serial No. 688,203. 11 Claims. (Cl. 130—5.)



1. The combination of an open cob hopper adapted to be arranged upon the side of the wagon, a pair of husking rollers, an endless carrier adapted to carry ears of corn from the hopper, over the husking rollers, and deliver them up into the wagon, a container arranged transversely under the wagon for receiving husks, and means for delivering husks from the husking rollers into the container.

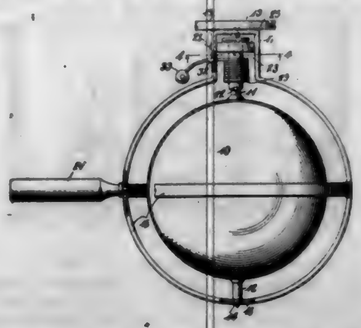
1,535,501. AXLE TRANSMISSION. EUGENE G. SMITH, Chicago, Ill. Filed Aug. 18, 1924. Serial No. 732,785. 6 Claims. (Cl. 105—102.)



1. The combination with a railway car truck having the usual wheels, of a transverse bar mounted on the truck frame and adapted to have limited longitudinal movement to compensate for the lateral movement of the wheels and axles with respect to the frame, an arm mounted on said bar and projecting below the axle, a universal pulley mounted on said axle and means on the arm for engagement with the rim of the pulley for holding it in normal position.

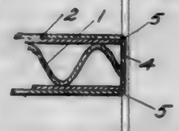
1,535,502. MECHANICAL SPINNING TOP. JOHN A. SOUTHWELL, Scranton, Pa., assignor of one-half to Charles F. Fletcher, Scranton, Pa. Filed Mar. 30, 1923. Serial No. 628,787. 2 Claims. (Cl. 46—132.)

2. A mechanical spinning top comprising a support frame, a top mounted in said frame for rotary movement therewithin, an operating cord, a rotatable sleeve to which the said cord is attached and on which it is adapted to wind and unwind, a winding spring connected to the said sleeve so as to become wound as the sleeve is rotated by the unwinding of the cord, said spring unwinding to rotate the said sleeve for rewinding the cord thereon when the latter is released, and a driving connec-



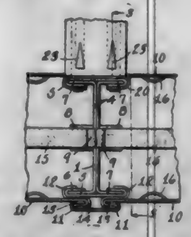
tion between the said sleeve and the said top, including clutch means operating to place the sleeve in driving relation with the top only when the sleeve is rotated by the unwinding of the said spring.

1,535,503. PAPER BOARD. LEO J. SPANDER, Erie, Pa. Filed Oct. 28, 1924. Serial No. 746,353. 4 Claims. (Cl. 273—136.)



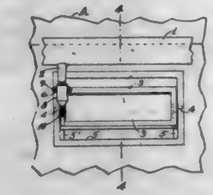
1. A flat paper board formed of corrugated paper with a corrugated core and flat sides, and a cover of paper folded around the corrugated board with square-turned corners forming a flat edge of the thickness of the corrugated board, said cover board being of a stiffness to give rigidity to the edge.

1,535,504. METAL BUILDING AND STRUCTURAL UNIT THEREFOR. JOSEPH J. STEPHENS, Lamont, Mich. Filed May 1, 1924. Serial No. 710,305. 9 Claims. (Cl. 180—1.)



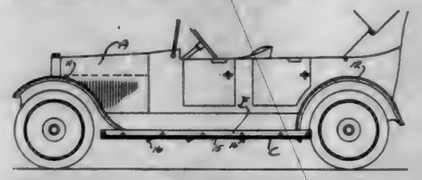
1. In a wall structure, the combination of studding units comprising channel members disposed back to back and tie members having inturned flanges at the edges thereof embracing the flanges of said channel members providing units of I-cross section, wall panels having their vertical edges conformed to an S cross section providing inwardly disposed channels engaging the arms of the studding units and outwardly facing joint flanges, joint members having inturned flanges engaging the joint flanges of said wall panels, channeled partition panel holders disposed on the webs of said studding units having lugs struck therefrom and engaged within the ends of said holders, and partition panels disposed with their edges in said holders.

1,535,505. CLOSURE OPERATOR. JOHN LOUIS STOWERS, Habana, Cuba. Filed Mar. 25, 1924. Serial No. 701,835. 6 Claims. (Cl. 268—17.)



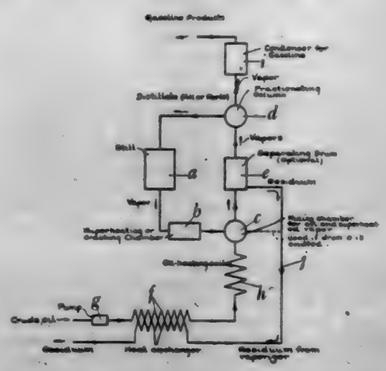
1. Apparatus for automatically closing transoms and the like, comprising, a pivoted closure, means normally biasing the closure to open position, and a receiver carried by the closure and adapted to be filled with fluid, the closing effect of the receiver when filled with fluid being sufficient to overcome the open position biasing means.

1,535,506. AUTOMOBILE FOLDING BED. DAVID R. TAGGART, Topeka, Kans. Filed Dec. 12, 1923. Serial No. 680,193. 3 Claims. (Cl. 5—119.)



1. A folding bed construction comprising an elongated board or plate member, angles adapted to be detachably connected to the running board of a vehicle below the same to extend laterally outwardly thereof, means for connecting the board or plate to the outwardly extending ends of said angles so that the same is positioned laterally of the running board and longitudinally thereof, a flexible body supporting member foldably carried by said board or plate, and collapsible supporting means for the body supporting member.

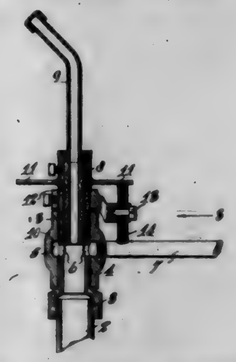
1,535,507. PRODUCTION OF PETROL. FRANK TINKER, Erdington, Birmingham, England. Filed Mar. 28, 1922. Serial No. 547,474. 2 Claims. (Cl. 196—61.)



1. In the production of low boiling point hydrocarbons from high boiling point hydrocarbons, the process comprising mixing superheated hydrocarbon vapors with a main stream of preheated crude hydrocarbon in a mixing

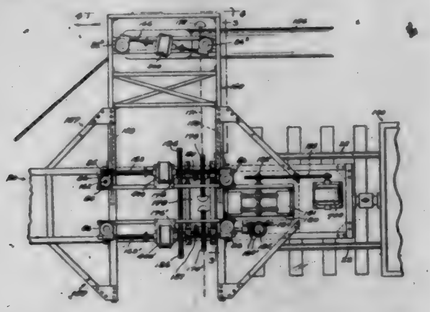
chamber, passing the mixture in a restricted stream through a pipe to an enlarged drum, drawing off a part, at least, of the condensate from said drum and passing the vapors into a fractionating column, delivering the condensate from the fractionating column into a still, generating vapors in the still and superheating the still vapors in the superheating device for subsequent mixture with the main stream of preheated crude hydrocarbon in a continuous process.

1,535,508. ROTATABLE WATER SPRINKLER. WILLIAM C. TODD and JAMES WM. POMEROY, Victoria, British Columbia, Canada. Filed May 20, 1924. Serial No. 714,679. 5 Claims. (Cl. 299—69.)



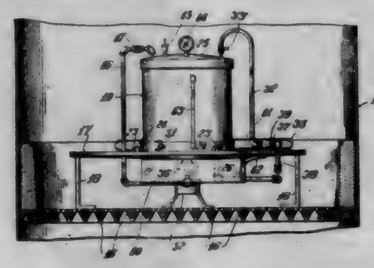
1. A rotatable water sprinkler, comprising in combination, a hollow stem, a reaction sprinkler freely rotatable on the stem through which it receives its water supply, a central jet tube independently rotatable about the axis of the stem from the upper end of which it projects, and means for intermittently rotating the central jet tube with relation to the reaction sprinkler by frictional engagement between them.

1,535,509. EXCAVATING APPARATUS. PASQUALE URSINO, Seattle, Wash. Filed May 20, 1924. Serial No. 716,562. 5 Claims. (Cl. 37—84.)



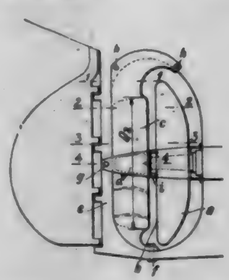
1. The combination with a wheeled vehicle, a framework rigid therewith, an elevator provided on the car, of a frame mounted upon said framework for movements laterally of the vehicle, a second frame connected to the aforesaid frame for vertical adjustments, excavating apparatus, means to operate said excavating apparatus, a conveyor to convey material excavated by said apparatus to said elevator, operative connection between said elevator and the conveyor, means to operate said elevator, and a discharge spout provided for the elevator for delivering material therefrom.

1,535,510. OIL BURNER. CHARLES F. WADSWORTH, Chicago, Ill. Filed Apr. 18, 1923. Serial No. 632,807. 11 Claims. (Cl. 158—56.)



6. In a device of the character described, a base-plate, a steam generating chamber arranged thereon, means whereby the flow of water into said chamber is automatically controlled, a burner disposed beneath said base-plate, an air receiving conduit disposed lengthwise on said base-plate and communicating with said burner, a steam pipe leading from the steam space of said chamber and terminating in a nozzle arranged concentric with the air admitting end of said conduit, an oil supply pipe terminating in a nozzle extending into said conduit at an angle to the steam-pipe nozzle and in advance thereof so the steam will discharge across the oil-pipe nozzle and force the oil into said conduit in the form of a spray, and a baffle-plate pivotally secured beneath the base-plate so as to swing toward and away from the burner and thereby control the degree of heating of said water-holding chamber.

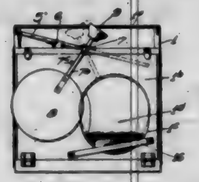
1,535,511. DOUBLE PROPELLER FOR WATER AND AIR CRAFT. RUDOLF WAGNER, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A/S., Christiania, Norway. Filed Dec. 30, 1919. Serial No. 348,388. 2 Claims. (Cl. 115—34.)



1. A double-propeller for water and aircraft, comprising, a rotary main propeller fitted with blades which have a pitch increasing radially towards their axis of movement, and a counter-propeller the diameter of which is inversely dependent upon the variation of the pitch of the main propeller, the diameter of the counter-propeller being the smaller, the more the radial pitch of the main propeller in increasing.

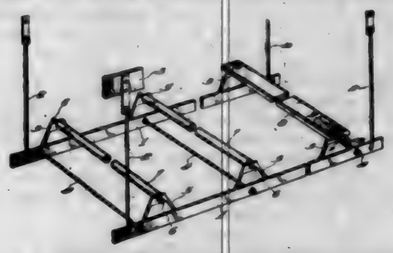
1,535,512. TRAP NEST. ISAAC N. WAGGONNER, San Diego, Calif. Filed May 9, 1922. Serial No. 559,515. 4 Claims. (Cl. 119—50.)

1. A trap nest, including a casing with an entrance opening on one side and an exit opening on the opposite side, a nest pivotally mounted in said casing, a lever connected at one end with said nest, a plunger rod pivotally connected with the other end of said lever, a fulcrum across said casing upon which said lever is pivotally mounted intermediate its ends, a plunger pivotally mounted on said plunger rod and a cylinder in which said plunger is reciprocably mounted, a crank shaft mounted across said casing transversely to said lever, the crank portion of which is adapted to engage said



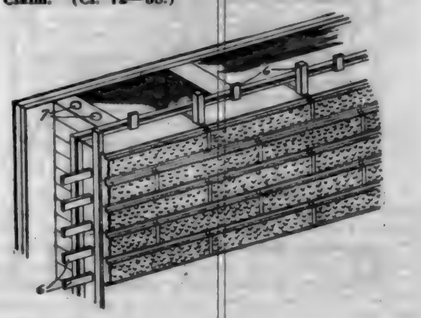
lever, a clip member spaced from said lever adapted to engage the other side of said crank portion, arms secured on the opposite ends of said crank member extending in opposite directions from said crank member, doors secured to the one ends of said arms and weights secured on the opposite ends thereof.

1,535,513. POULTRY ROOST. BERNARD WARNECKE, Breese, Ill. Filed Sept. 2, 1921. Serial No. 497,862. 5 Claims. (Cl. 119—25.)



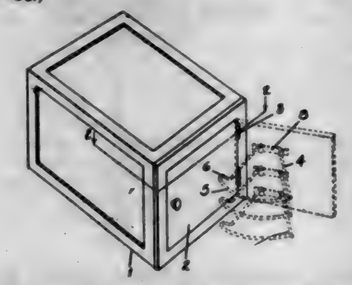
1. In a poultry roost construction, notched side supports, and a roost having crushing surfaces resting loosely in notches capable of moving and permitting the roost to rock when pressure is applied to the roost.

1,535,514. WALL CONSTRUCTION. PAUL D. WARNER, Chicago, Ill. Filed Apr. 17, 1922. Serial No. 554,200. 1 Claim. (Cl. 72—38.)



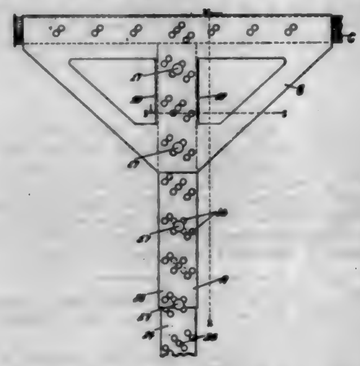
A wall construction comprising in combination a plurality of blocks laid one upon the other, each of the blocks being provided with a plurality of longitudinally disposed spaced grooves formed in its upper and lower surfaces, the end walls of each block having vertical grooves disposed between the grooves formed in the upper and lower surfaces of the block, a transverse groove being formed in one of the side walls of the block, the grooves of one block adapted to register with the grooves of the adjacent block so that tie rods when positioned in the registering grooves will be offset one from the other.

1,535,515. DISPLAY DEVICE FOR CAPS. THOMAS E. WATERS and RAY E. WATERS, Hastings, Mich. Filed Mar. 27, 1922. Serial No. 546,998. 1 Claim. (Cl. 211—14.)



A cap support comprising a horizontal portion for supporting the front and forepiece of a cap, an upwardly-projecting horizontally-curved portion conformed to the inner periphery of the cap top and adapted to project within the said cap top for supporting and distending the back and inner part of the crown of the cap, and inclined portions extending to said horizontal portion for the bottom of the cap, as specified.

1,535,516. ADJUSTABLE SUPPORTING DEVICE. OLOF P. WOLSTEAD, Minneapolis, Minn. Filed Mar. 17, 1924. Serial No. 699,888. 2 Claims. (Cl. 248—2.)

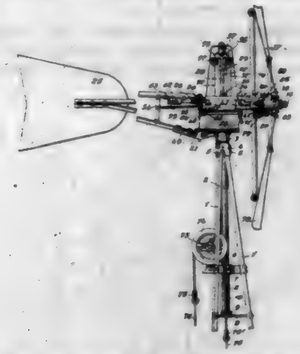


1. A column having perforations therein, a head member consisting of an integrally formed face plate slidably engaging the front and back of the column and having perforations adapted to register with the perforations in the column and be locked therewith by pins, flanges bent in from said face plate toward the sides of the column to form a channel therefor.

1,535,517. WINDMILL. CORRADO ANDREINI, Grosseto, Italy. Filed May 24, 1923. Serial No. 641,218. 4 Claims. (Cl. 170—48.)

4. In a windmill, the combination of a supporting member, a head mounted on said member to rotate about a vertical axis, a wind-wheel mounted on said head to rotate about a horizontal axis, the axis of said wind-wheel being disposed on one side of the vertical axis of said head, a regulating rudder carried by said head on the opposite side of the vertical axis of the latter from

the axis of said wind-wheel, said rudder being mounted to rotate about an axis disposed at right angles to the horizontal axis of said wind-wheel, a rack slidable along the hub of said wind-wheel, a centrifugal governor car-



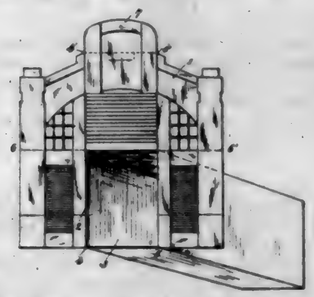
ried by said wind-wheel, a segment controlled by said governor and engaging said rack, connections between said rack and said rudder, and a steering rudder carried by said head to hold said wind-wheel and said regulating rudder into the wind.

1,535,518. METHOD OF JOINTING SHELLS OF BARRELS AND CASKS OR PARTS THEREOF. ERIK AUGUST BOLINDER, Stockholm, Sweden. Filed June 25, 1920. Serial No. 391,725. 1 Claim. (Cl. 147—25.)



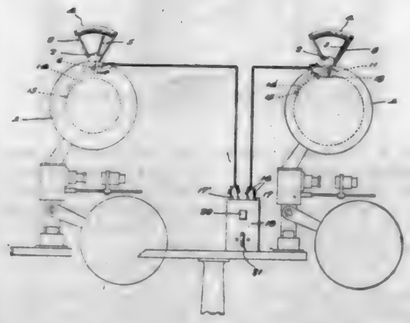
A method of jointing shells of barrels having a diameter larger at its middle portion than at the ends consisting in providing parallel edges of the shell with interlocking means, forming a rail and providing the same with complemental interlocking edges then inserting the rail between said parallel edges and finally sliding the rail longitudinally of the edges to effect locking engagement of the rail to the edges of the shell.

1,535,519. BOX FOR TOYS. ETTORE CARDINI, Omegna, Italy. Filed Dec. 8, 1924. Serial No. 754,678. 2 Claims. (Cl. 46—37.)



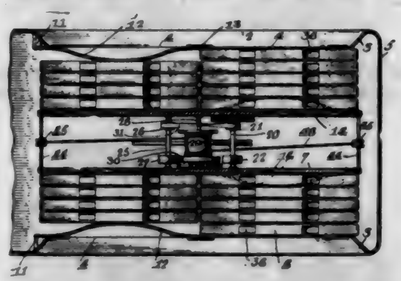
1. A box for toys, comprising a box body having an opening, and a foldable sheet secured to the box body and provided with an opening which permanently coincides with the box body opening so as to uncover the same when the sheet is unfolded; said sheet having portions which normally project laterally beyond the sides of the box body but are adapted to be folded over upon one another so as to cover both openings.

1,535,520. AUTOMATIC FILM INDICATOR AND OPERATOR'S WARNER. JOHN CVITKOVICH, Gary, Ind. Filed Feb. 21, 1922. Serial No. 538,401. 1 Claim. (Cl. 33—172.)
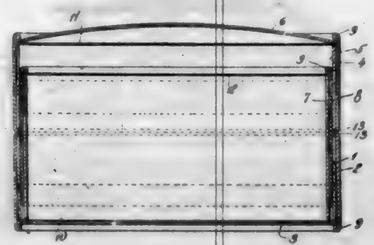


A device of the class described comprising a bracket, a casing supported thereby and having a curved slot therein, a shaft journaled in the bracket and having a part located in the casing, an arm connected at the outer end of the shaft, a roller on the arm for engaging a roll of film in the upper magazine of a moving picture machine, an arm connected with the end of the shaft which is located in the casing, a finger pivoted to the end of the shaft and having a slot therein, a set screw passing through the slot and engaging the arm, said finger being bent to extend through the slot in the casing and a dial carried by the bracket and associated with the finger.

1,535,521. ADVERTISING DEVICE. LÉONCE E. CUVELIER, Montreal, Quebec, Canada. Filed Nov. 7, 1924. Serial No. 748,498. 4 Claims. (Cl. 40—36.)



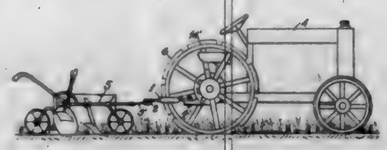
1. An advertising device comprising a pair of adjacent rows of plates having advertising matter depicted thereon, a pair of shafts journaled at one side of said rows, a pulley and a disc carried by each of said shafts, a twisted belt connecting said pulleys, means for driving one of said shafts, a drum shaft disposed between the first named shafts, a drum carried by said drum shaft, a collar carried by the drum and adapted for selective engagement with the discs, an arm supported adjacent the collar and eccentrically receiving one end of the drum shaft, a carrier slidably supported over said plates, a link connection between the arm and the carrier, cables extending from the ends of the carrier and wound around said drum, and means supported by the carrier for shifting said plates from one row to the other.

1,535,522. TUBULAR BOX. FRANK J. DOLAN, Brooklyn, N. Y., assignor to Joseph M. Price, New York, N. Y. Filed Apr. 5, 1922. Serial No. 549,686. 8 Claims. (Cl. 229—5.6.)



1. In a tubular box, a box member comprising an outer ring and an inner ring fitting within the outer ring, the outer ring being provided with an inturned marginal bead at one end overlying and concealing the adjacent end of the inner ring, and the other end of the ouer ring also being inturned to overlie the end of the inner ring adjacent thereto, no part of this latter inturned portion of the outer ring extending beyond the inner surface of the inner ring.

1,535,523. TRACTOR. JESUS NORIEGA ESCANDON, Pedro Betancourt, Cuba. Filed May 5, 1923. Serial No. 636,859. 3 Claims. (Cl. 280—33.44.)



1. A draft attachment, comprising, a connecting head, a draft bar fixed to the head and a plurality of series of apertures in the bar, the series being spaced a distance equal to the width of a furrow, in combination with an adjusting bar, a central offset portion on the adjusting bar, centrally positioned matching apertures in the draft and adjusting bars, and a plurality of series of apertures in the adjusting bar corresponding with said series of apertures in the draft bar.

1,535,524. GEAR CASE. JOHN JAMES FAIRBAIRN, Roosevelt, N. Y. Filed July 25, 1924. Serial No. 728,086. 5 Claims. (Cl. 74—56.)



1. A gear case comprising spaced-apart metal side plates correspondingly perforated at intervals adjacent their edges, an edge plate interposed between the side plates, and a series of connecting elements extending through the respective perforations of the side plates, each element including two leg members straddling the edge plate throughout its width.

1,535,525. SPRAY MIXTURE AND PROCESS OF MAKING THE SAME. CARL F. GALLIGAN, Berkeley, Calif., assignor, by direct and mesne assignments, to F. A. Frazier Company, San Francisco, Calif., a Corporation of California. Filed Aug. 23, 1923. Serial No. 658,999. 9 Claims. (Cl. 167—6.)

1. An intimate mixture of finely divided copper sulphate and starch to preserve the pulverulent character of the copper sulphate.

3. A composition adapted to yield a spray upon contact with water comprising, hydrated lime, calcium caseinate, copper sulphate and starch.

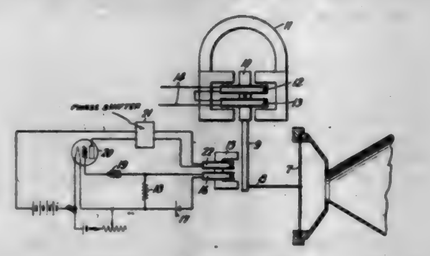
5. The process of making an ingredient of Bordeaux mixture which comprises drying copper sulphate to drive off water of crystallization, adding starch in a volume equivalent to the water evaporated, and pulverizing the mixture.

9. A composition for yielding a spray on contact with water comprising hydrated lime and calcium caseinate, and copper sulphate and starch, maintained in two separate constituents comprising respectively hydrated lime and calcium caseinate, and copper sulphate and starch.

1,535,526. AEROPLANE WING. WILLIAM L. GILMORE, Mineola, N. Y., assignor to Curtiss Aeroplane & Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Aug. 30, 1924. Serial No. 735,076. 3 Claims. (Cl. 244—12.)

1. An aeroplane wing including a skeleton framework, a top covering of metal carried respectively to the leading edge and to the trailing edge of the wing, and an under covering of fabric likewise carried respectively to the leading edge and to the trailing edge.

1,535,527. VIBRATORY SYSTEM. HENRY C. HARRISON, Port Washington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,528. 7 Claims. (Cl. 179—180.)

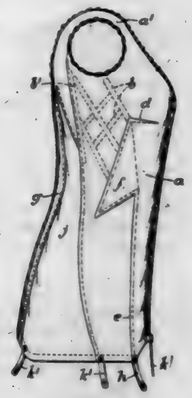


2. A vibrating system subjected to a force for causing the system to vibrate, a magnetic member subjected to flux variations when said system vibrates, a coil surrounding said member, and means responsive to said flux variations for substantially neutralizing the reactive component of the magneto motive forces of the alternating currents in said coil produced in said coil by the vibrations of said system.

1,535,528. BUST BODICE. MAUD HENDERSON-BLAND, London, England. Filed Mar. 13, 1922. Serial No. 543,427. 5 Claims. (Cl. 2—28.)

5. A garment of the character described comprising a rear section having upwardly extending shoulder strap extensions and having the shoulder portions provided with depending and downwardly tapered extensions, intermediate sections tapered upwardly and sewed to the rear section with their upper end portions extending between the main body of the rear section and the inner

edges of the depending shoulder extensions, front sections having their upper portions sewed to the outer edges of the depending shoulder extensions of the rear section from a point slightly above the waistline, the upper portions of the front sections forming the bust portion of the garment and having their upper ends



cut to form arm openings and shoulder strap portions, the front sections being sewed to the forward edges of the intermediate sections below the depending shoulder extensions of the rear section, and the front sections being cut from their lower edges to provide forward and side portions brought together to remove fullness below the bust line and about the waist portion.

1,535,529. COLLAPSIBLE TUBE. NEVIL MONROE HOPKINS, New York, N. Y. Filed June 11, 1921. Serial No. 476,746. 11 Claims. (Cl. 221—60.)



1. A container comprising a plurality of collapsible tubes provided with integral neck portions and located one within the other, substantially as described.

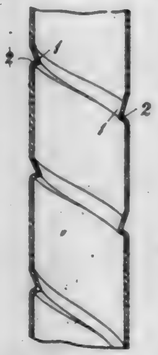
11. A container comprising a collapsible tube provided with a restricted neck, a second collapsible tube within the first mentioned tube and also having a restricted neck, the neck of the inner tube being positively secured to the neck of the first mentioned tube.

1,535,530. MANUFACTURE OF WIGS. GUSTAV HUPKA, Lausanne, Switzerland. Filed Mar. 23, 1923. Serial No. 627,229. 5 Claims. (Cl. 132—56.)



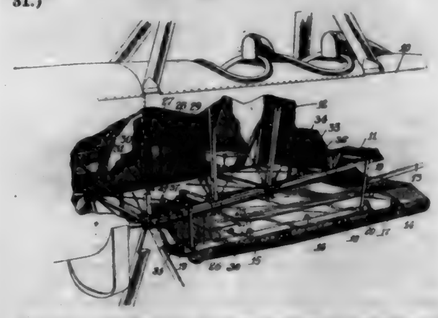
1. In a device for manufacturing wigs, a support having bristles on its upper face, means for clamping a lock of hair to the support so as to rest upon the bristles, and means for securing the carrier of a wig over the hair.

1,535,531. HEAT-TRANSMISSION TUBE. ISAK ISAACHSEN, Christiania, Norway, assignor, by mesne assignments, to A/S Krystal, Christiania, Norway. Filed Sept. 28, 1920. Serial No. 413,883. 1 Claim. (Cl. 257—262.)



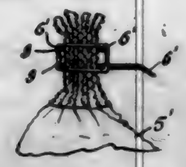
In apparatus for transmitting heat to a liquid flowdown the inside of a tube from vapor on the outside of the tube, a substantially vertical tube having in one of its surfaces a shallow helical groove forming on the opposite side a correspondingly low rib, the groove and the rib being so formed that the liquid to be heated passes down the inside surface in the form of a continuous film undergoing rotary movement and that the condensed vapor collecting on the outside surface will follow the helical path defined by the groove or rib, respectively.

1,535,532. AEROPLANE. JOHN P. LANGFELDER, Jamaica, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y., a Corporation of New York. Filed May 22, 1922. Serial No. 562,618. 10 Claims. (Cl. 244—31.)



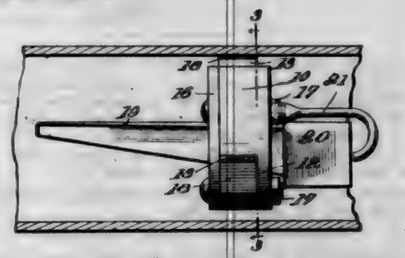
1. In an aeroplane, a movable support, mechanism operable to release the support, and a fuel tank movable with and with respect to the support upon its release.

1,535,533. INFUSION CARTRIDGE. HARRIS LEBRAK, New York, N. Y. Filed May 9, 1924. Serial No. 711,964. 1 Claim. (Cl. 53—3.)



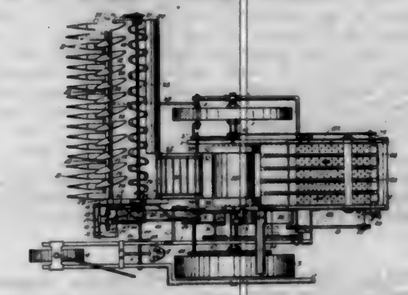
An infusion cartridge comprising a textile fabric bag, a string closing the mouth of the bag by drawing it into folds, and means piercing the folds of the fabric of the bag at the mouth and straddling the string on opposite side of the folds.

1,535,534. PIPE WRENCH. PEARL MCDONALD and EMORY O. CALL, Marion, Ohio. Filed Feb. 14, 1921, Serial No. 444,896. Renewed Mar. 9, 1925. 3 Claims. (Cl. 81—72.)



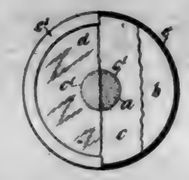
1. A wrench of the character described comprising a casing provided with a central opening and radial channels intersecting said opening, pipe-engaging members loosely mounted in said channels, means limiting movement of said members radially of the casing, and a removable expander having a tapered shank of angular cross-section provided with faces corresponding in number to the number of said pipe-engaging members, whereby said members may be forced outwardly and relative rotation prevented, said expander having an enlarged head capable of being engaged by a tool for imparting rotation thereto.

1,535,535. HEADER AND THRASHER HARVESTER. HARRY JOSEPH MCQUILLAN, Farrel's Flat, South Australia, Australia. Filed Mar. 22, 1921. Serial No. 454,411. 4 Claims. (Cl. 56—123.)



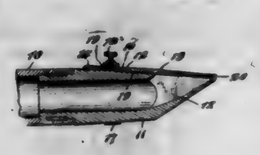
1. In an improved header and thrasher harvester, the combination with means for operating a knife bar comprising a rotating shaft, a single disc mounted on the shaft and angularly disposed with respect to its axis of rotation, a carriage embracing said disc and reciprocated thereby, a knife bar connected to said carriage, of an elevator operatively connected with said shaft and comprising a comb and apron, a hinge bar having stays and levers to support the comb and apron, and an upper drum spindle mounted in alignment with the said hinge bar and being operatively connected with the latter to enable radial elevation or depression of the apron.

1,535,536. THERMIC TELLTALE. DONALD MACDONALD, Melbourne, Victoria, Australia. Filed Jan. 29, 1924. Serial No. 689,381. 2 Claims. (Cl. 116—114.)



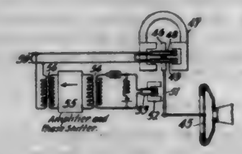
2. A heat attainment tell tale containing a chamber with surfaces of absorbent material, and a fugitive element in the chamber whereby absorption of the said element by the absorbent material will occur when a rise of temperature occurs to that which is to be detected.

1,535,537. ADJUSTABLE REED IN WIND INSTRUMENTS. WALTER MAJESKI, New York, N. Y. Filed Mar. 11, 1924. Serial No. 698,354. 2 Claims. (Cl. 84—383.)



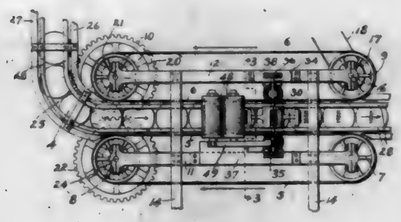
2. As an article of manufacture, a reed for the mouthpiece of musical instruments comprising a single length of vibratory material being relatively thick at one portion and diminishing in thickness therefrom towards one end to form a vibratory tongue, the thick portion provided on the face adapted to engage the mouth-piece with a recess extending transversely and entirely across said face.

1,535,538. VIBRATORY SYSTEM. JOSEPH P. MAXFIELD, Maplewood, N. J., and HENRY C. HARRISON, Port Washington, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,537. 10 Claims. (Cl. 179—180.)



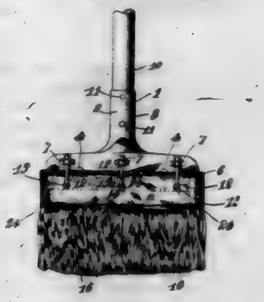
1. A mechanical vibratory system, subjected to a force for vibrating said system, means for producing electrically a force proportional to the velocity of said system, and phase controlling means for causing said force to control the movement of said vibratory sytem.

1,535,539. MACHINE FOR STAMPING CANS. WILLIAM E. MITTON, New London, Wis., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 10, 1923. Serial No. 661,810. 5 Claims. (Cl. 101—35.)



1. A stamping machine for stamping a series of cylindrical objects comprising, a plurality of conveyor belts moving synchronously in the same direction for carrying forward the series of cylindrical objects which are positioned transversely across and between the belts, means for actuating the conveyor belts, and a stamping device consisting of a rotatable member mounted to turn on a vertical axis and having a plurality of radially extending arms, and star wheels operatively connected with the rotatable member and positioned in the line of the traveling objects to be engaged and moved thereby to turn the rotatable member to bring one of the arms in contact with the object engaging the star wheels.

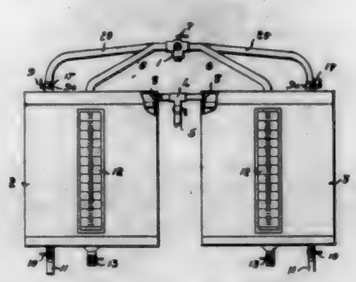
1,535,540. MOP. WILLIAM J. MOORE, Philadelphia, Pa. Filed May 5, 1923. Serial No. 636,788. 4 Claims. (Cl. 15—147.)



1. A mop holder including a body having a socket and a flat part depending edgewise from the socket; hooks attached to the sides of the body part and adapted to receive a mop cloth, and means on the body part adapted to engage the hooks to prevent the mop cloth from being accidentally pulled from the hooks.

1,535,541. APPARATUS FOR MEASURING THE QUANTITY OF MILK GIVEN BY EACH COW MILKED BY MILKING MACHINES. ROBERT WILSON NOBLE, Tauhei, Morrinsville, New Zealand. Filed Aug. 12, 1922. Serial No. 581,351. 3 Claims. (Cl. 31—58.)

1. In combination, a pair of milk receiving receptacles, an inlet tube common thereto and capable of connection to milking apparatus, a vacuum pipe common to said receptacles, a connection between said pipe and each of said receptacles, and means joining said vacuum pipe with said connections and operable to alternately con-



nect said pipe with said receptacles to permit the milk from said inlet tube to enter only one receptacle at a time.

1,535,542. NONFERROUS ALLOY. WILLIAM B. PRICE, Waterbury, Conn., assignor to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 15, 1923. Serial No. 619,278. 5 Claims. (Cl. 75—1.)

1. An alloy comprised chiefly of copper, nickel and tin, and containing said copper, nickel and tin in proportions falling within the limits fixed by the formulæ, substantially as described, viz—

$$\text{Copper} = y = 92.75 - 0.9\sigma \pm (5.75 - 0.1\sigma)$$

in which σ = % of nickel and can vary between 0.5% and 33.0%

$$\% \text{ Sn} = 100\% - (\% \text{ Cu} + \% \text{ Ni}).$$

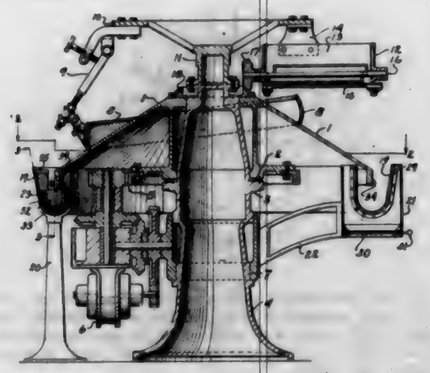
1,535,543. EXTENSION-BIT HOLDER. FRED OSCAR RACE, Hillside, N. J. Filed Oct. 16, 1922. Serial No. 594,760. 2 Claims. (Cl. 279—42.)



1. In an extension bit holder, a screw threaded stem adapted to be inserted in a brace, a nut on the screw threaded part thereof, a head rigidly secured to the outer end of the stem, said head having two sets of grooves therein, a sleeve having inwardly extending splines adapted to enter one set of said grooves, said sleeve having means of connection to the nut so that longitudinal movement of the latter is communicated to the former, a plurality of spring clamping fingers received and held in the second set of grooves in said head and also received between and held from turning by said splines, said spring fingers having clamping jaws adapted to clamp an extension bit with said sleeve.

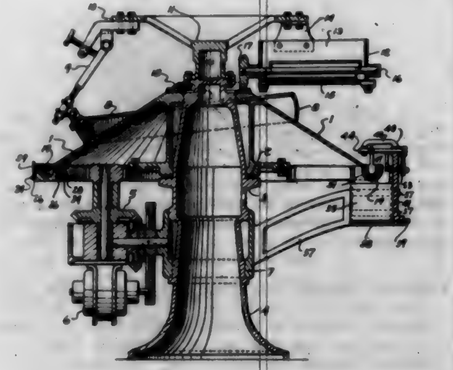
1,535,544. COLLECTING DEVICE. LOUIS CHARLES REESE, Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Filed Sept. 6, 1924. Serial No. 736,242. 10 Claims. (Cl. 107—9.)

7. In combination with a rotating table, a stationary trough so positioned with respect to the table as to receive the peripheral edge thereof whereby loose material upon the table will be delivered to the trough, and means



carried by the rotatable table and travelling through said trough to collect material delivered thereto and move the same through said trough.

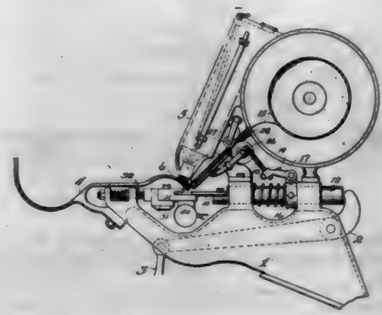
1,535,545. COLLECTING DEVICE. LOUIS CHARLES REESE, Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Filed Sept. 6, 1924. Serial No. 736,243. 14 Claims. (Cl. 107—9.)



1. In combination, a rotatable table, a device rotatable with the table for collecting the droppings therefrom, and means for removing said droppings from said device.

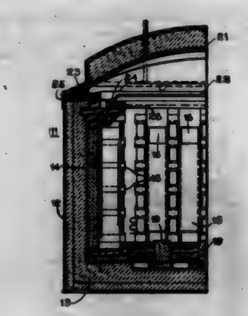
1,535,546. LACE-TIPPING MACHINE. HAROLD D. REGAN, Reading, Pa. Filed Sept. 25, 1924. Serial No. 739,797. 3 Claims. (Cl. 18—1.)

1. In a lace tipping machine, the combination of a pair of tip forming dies, a severing knife located centrally in one member of the die, spring backed means for actuating the die, means for feeding a supply of tip forming material in the form of a ribbon, feed mechanism for the ribbon comprising a pair of spring backed rollers, one of which is mounted rotatably on a ratchet device,



means for actuating said roller in unison with the die, a heating attachment for the die and a moistener for the tip forming ribbon.

1,535,547. ELECTRIC RESISTOR FURNACE. THOMAS A. REID, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 28, 1922. Serial No. 584,620. 3 Claims. (Cl. 204—64.)

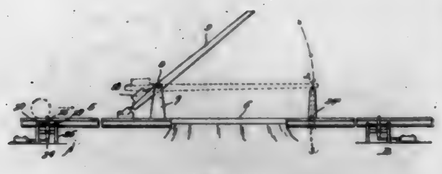


1. An electric-resistance furnace comprising a plurality of refractory walls enclosing a furnace chamber, a plurality of longitudinally spaced-apart sets of relatively narrow and laterally spaced-apart refractory supporting members supported by said refractory walls and projecting into said chamber, relatively thin and narrow resistor-supporting plates each having a plurality of laterally extending grooves in one face thereof, a relatively heavy unyielding preformed resistor member supported at spaced intervals by said grooved plates in co-operation with the refractory walls, and means for maintaining said grooved resistor-supporting members in operative engagement with said refractory supporting members.

1,535,548. RAILWAY-GRADE-CROSSING GATE. JOSEPH SCHIFTNER, La Gloria, Cuba. Filed Jan. 7, 1925. Serial No. 961. 2 Claims. (Cl. 246—301.)

1. A grade crossing gate mechanism of the character described including a swinging gate at one side of the crossing, pivoted so as to tend to move to a closed position because of its own weight, means for maintaining the gate in an open position, a post on the other side of

the crossing against which the end of the gate is adapted to rest when closed, a rod movable longitudinally through the post for engaging the gate, and means for

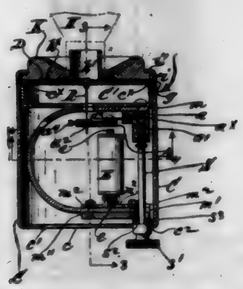


pushing upwardly on the rod for projecting the gate to an open position, said means being actuatable by a spring.

1,535,549. RUST-RESISTANT IRON. HARRY A. SCHWARTZ, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 24, 1922. Serial No. 538,979. 3 Claims. (Cl. 75—1.)

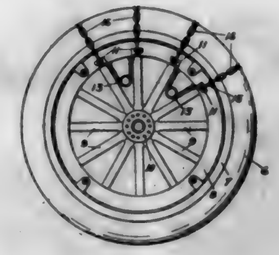
1. A highly rust resistant malleable iron casting containing approximately between .15 and .25% of copper and forming with the iron a copper-iron alloy, and having such percentages of carbon, manganese, silicon and the like as are usually present in malleable cast iron.

1,535,550. ELECTRICALLY-ACTUATED SOUND PRODUCER. BURTON SCOTT, New York, N. Y. Filed Aug. 31, 1922. Serial No. 585,564. 5 Claims. (Cl. 179—108.)



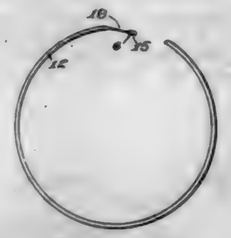
1. In an electrically actuated sound producer of the character designated, the combination of a permanent magnet formed with essentially parallel arms, one of which is fixed and the other relatively free, an electro-magnetic coil and core mounted on the free arm of said permanent magnet, an armature mounted in prescribed relation to the fixed arm of the permanent magnet and connected with a sound converting diaphragm, said diaphragm, and means for adjusting the free arm of said permanent magnet with relation to the fixed arm thereof, for the purpose of regulating the magnetic gap between the electro-magnetic core and said armature, the connection between said diaphragm and said armature consisting of a relatively thin flat tie rod arranged with its flat plane substantially at right angles to the plane of flexure of the armature in the manner and for the purpose set forth.

1,535,551. ANTISKID DEVICE. FREDRICK SIEVERS, McKeesport, Pa. Filed Aug. 13, 1924. Serial No. 731,814. 7 Claims. (Cl. 152—14.)



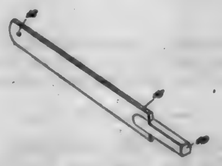
3. The combination with a vehicle wheel, of an antiskid device comprising yoke members which straddle the felly of the wheel, and adapted to lie against adjacent spokes, and a spring for holding said yoke members against said spokes.

1,535,552. PISTON PACKING RING. FRANK E. SMALL, Jamaica, N. Y., assignor to Nancy Maria Small, Jamaica, Long Island, N. Y. Filed Apr. 4, 1924. Serial No. 704,184. 6 Claims. (Cl. 74—109.)



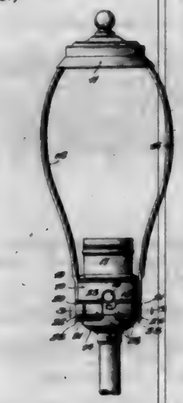
1. A piston packing ring comprising an outer split ring and an inner split ring of resilient material, said rings having co-operating faces whereby the inner ring will press the outer ring outwardly in the piston groove, said inner ring being roughened on the inner face and deflected inwardly to frictionally engage the bottom wall of the piston groove to prevent creeping of the ring in the groove.

1,535,553. METHOD OF THREADING A BLANK. ARTHUR STAMBACH, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1921. Serial No. 474,720. 5 Claims. (Cl. 78—81.)



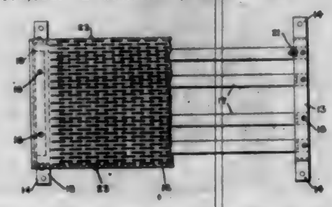
2. The method of threading a blank which consists in providing a flattened face on said blank, then displacing the material of the blank to substantially fill out the flattened portion and provide a thread thereon.

1,535,554. SHADE HOLDER. CHARLES P. SWICK, Waterbury, Conn., assignor to American Ring Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 19, 1924. Serial No. 714,414. 3 Claims. (Cl. 240—148.)



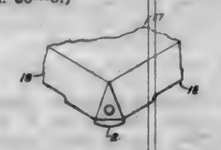
1. In combination with a lamp socket, having a body member and cap member; a one piece device of the character described in ring form, one end of which engages a shoulder upon the body member and the other end of which engages a shoulder upon the cap member and holds the members against endwise movement relatively to each other.

1,535,555. INDUSTRIAL AIR HEATER. FRANK THORNTON, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 27, 1922. Serial No. 609,193. 2 Claims. (Cl. 219—19.)



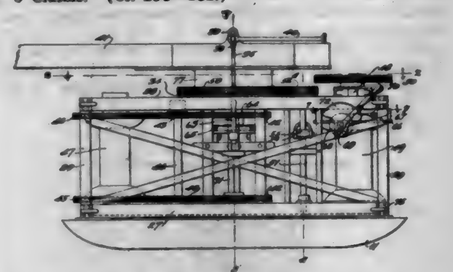
1. In an electric air heater, in combination, a pair of spaced metal supports, of substantially U-shape, a perforated metal cover, a sheet metal reflector back, common means for securing said cover and said reflector against said supports and a plurality of heating elements directly supported by said supports of U-shape.

1,535,556. TOASTER BASE. FRANK THORNTON, Jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 18, 1923. Serial No. 658,093. 5 Claims. (Cl. 53—5.)



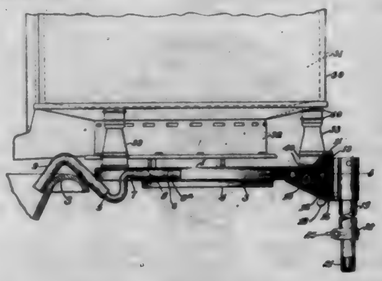
1. A base comprising a plate having integral depending flange portions, the ends of which overlap, and a heat-insulating supporting member located between said overlapping ends.

1,535,557. STUMP PULLER. ARTHUR ADAMS, Baltimore, Md. Filed July 1, 1924. Serial No. 723,460. 5 Claims. (Cl. 254—182.)



5. In a stump puller, a main frame, a main shaft disposed centrally of the length of the machine, a clutch member fixed on said shaft, a second clutch member rotatable on said shaft and slidable longitudinally thereof, clutch shifting mechanism for said second member, a winding drum supported in said frame, gearing connecting the shaft and drum, a second winding drum supported in said frame, a gear on said second clutch member sliding and rotating therewith, a gear on the second winding drum in edge alinement with the clutch supported gear upon movement of the second clutch member to unclutching position, an idler gear movable into and out of mesh with the drum gear, said idler also meshing with the clutch gear upon movement of the second clutch member to unclutched position.

1,535,558. MACHINE SUPPORT. FRANK A. ADAMS, Rochester, N. Y., assignor to George F. Merrell, Incorporated, Rochester, N. Y., a Corporation of New York. Filed May 27, 1922. Serial No. 564,233. 2 Claims. (Cl. 248—41.)

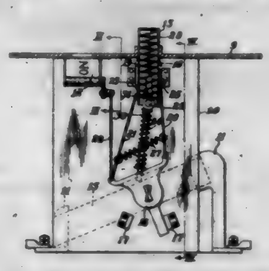


1. In a supporting stand, the combination of a top member comprising a piece of sheet metal having a central opening and a downwardly extending peripheral flange therearound, the member sloping from its outer periphery toward said flange, said member at its outer periphery having a downwardly extending flange, a pair of horizontally disposed eyes at opposite sides of said member, hook members received within said eyes for supporting said member and additional supporting means for supporting said member in a horizontal position.

1,535,559. PUSH-BUTTON SWITCH. HAROLD G. BAXTER, Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 17, 1920. Serial No. 410,830. 5 Claims. (Cl. 200—68.)

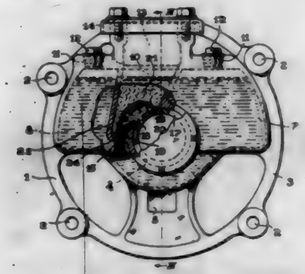
1. The combination in an electric switch, of a perforated plate, a frame, a pair of stationary contact members, a movable contact member pivoted in the frame and adapted to engage the stationary contact

members, a bracket connected to the movable contact member, stop members limiting the movement of the bracket, a pair of struts pivoted on the bracket, a spring connecting said struts intermediate their ends, an indicator movably mounted on the cover plate adjacent to one of the perforations, a link connection between the said bracket and the indicator, a plunger extending through another of the perforations in the



cover plate, lugs on the plunger for engaging said struts alternately during successive depressions of said plunger, guides in the frame for guiding each strut out of engagement with the lugs on the plunger during the period the other strut is engaged, a compression spring in the plunger normally exerting outward pressure thereon, and a compression spring carried by the bracket and normally exerting pressure to maintain such bracket in one of its extreme positions.

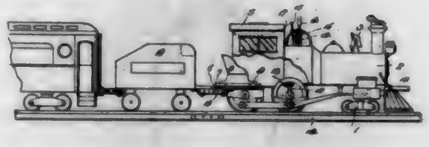
1,535,560. BEARING HOUSING. CLAUDE BETHEL, Wilkinsburg, and EDWIN TIDLUND, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 28, 1923. Serial No. 665,358. 10 Claims. (Cl. 308—125.)



1. A journal bearing comprising a collar surrounding the journal and having a lubricating opening communicating therewith, a hermetically closed oil reservoir disposed mainly above the lower edge of said lubricating opening and extending around said collar, a lubricating chamber communicating with said collar opening, means for providing a communicating passage between said oil reservoir and said lubricating chamber, the upper level of said communicating passage being below the lower edge of said collar opening, and fibrous oil-lifting means disposed in said lubricating chamber and extending into said communicating passage.

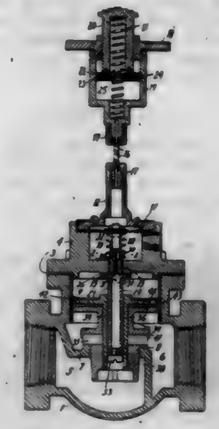
1,535,561. TOY TRAIN. THOMAS L. WOOD, Dallas, Tex. Filed Jan. 25, 1924. Serial No. 688,469. 1 Claim. (Cl. 105—92.)

A toy vehicle comprising a body simulating that of a locomotive, forward and rear sets of driving wheels mounted upon axles journaled under the rear portion of the body, pitman rods connecting the forward and rear driving wheels, the axle of the forward set of driving



wheels having pedals and cranks, and an operator's seat mounted upon the body above the axle of the rear set of driving wheels.

1,535,562. FLUSHOMETER. CHARLES H. ATKINS, Palmer, Mass. Filed Jan. 27, 1923. Serial No. 615,204. 8 Claims. (Cl. 137—03.)

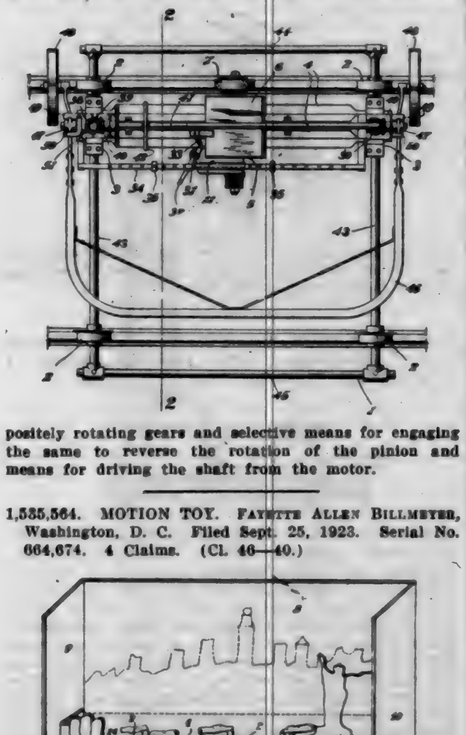


3. In a flushometer, a casing having therein communicating inlet and outlet chambers, a valve between said chambers, means, comprising a diaphragm-controlled valve, normally to cause said first named valve to be held in closed position, a remotely-located casing, a plunger provided with a piston-head in said second-named casing, whereby the air in said second-named casing is compressed when said plunger is forced inwardly, an air-tight conduit between said casings to direct the compressed air against the diaphragm of said diaphragm-controlled valve to open the latter, and means to enable said first-named valve to be opened when said diaphragm-controlled valve is opened.

1,535,563. GRINDING MACHINE. HERSHEL A. BENEDICT, East Orange, and EDVARD M. MOLLER, Jersey City, N. J. Filed Apr. 5, 1922. Serial No. 549,791. 3 Claims. (Cl. 51—178.)

1. A grinding machine including a frame, a runway mounted on the frame in association with a rack, a carriage mounted on the runway, a motor mounted on the carriage, a shaft mounted on the carriage transversely

of the runway, a grinding wheel secured to the shaft, a pinion mounted on the carriage to engage the rack, gears connecting the pinion with the shaft including op-



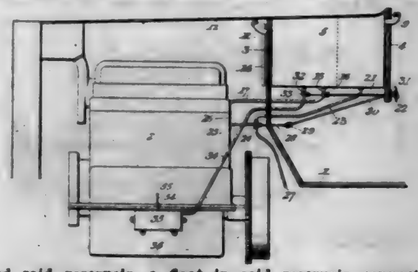
positely rotating gears and selective means for engaging the same to reverse the rotation of the pinion and means for driving the shaft from the motor.

1,535,564. MOTION TOY. FAYETTE ALLEN BILLMEYER, Washington, D. C. Filed Sept. 25, 1923. Serial No. 664,674. 4 Claims. (Cl. 46—40.)

1. A motion toy of the character described comprising a suitable enclosing member, an inner supporting member having a horizontally positioned platform member or fold, spools suitably journalled adjacent the opposite ends of the platform folds, an endless belt carried by the spools and positioned whereby its upper loop is passed above and its lower loop is passed beneath the platform fold, means for rotating the spools and said inner supporting member adjacent its end portions being formed with forwardly positioned upwardly extended portions positioned to obscure the operating spools from normal vision and adapted to be decorated to produce a foreground scenic effect and said belt having miniature figures mounted thereon, substantially as described.

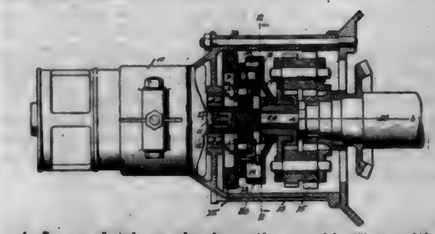
1,535,565. EMERGENCY SUPPLY TANK FOR AUTOMOBILES. JOSEPH BITMAN, Denver, Colo. Filed Mar. 28, 1924. Serial No. 702,706. 1 Claim. (Cl. 123—198.)

In a device of the character described, a water-jacketed engine having a carbureter and a crank case, said carbureter having a fuel inlet pipe; three compartments adapted to contain respectively a hydrocarbon fuel, water and oil; valved pipes connecting respectively the water compartment and water jacket, the fuel compartment and the carbureter inlet pipe; a reservoir communicating with said crank case, a pipe connecting the oil compartment and said reservoir, a valve in said pipe for opening or closing communication between the pipe



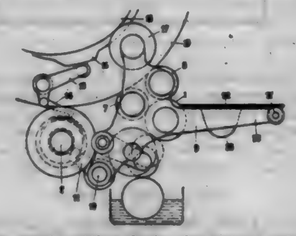
and said reservoir, a float in said reservoir connected with said valve, whereby to automatically close the valve when the oil in the reservoir reaches the normal level, and a valve for controlling the outflow of oil from the oil compartment.

1,535,566. CLUTCH TRANSMISSION. JOSEPH J. BOLAND, Rahway, N. J., assignor to Aeromarine Plane and Motor Company, a Corporation of New York. Filed June 18, 1920. Serial No. 390,050. 17 Claims. (Cl. 192—42.)



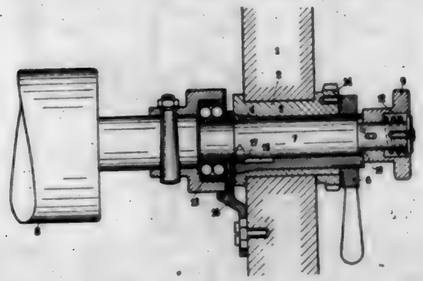
4. In a clutch mechanism, the combination with a driving member, a driven member, clutching means for effecting a driving connection therebetween and a spring acting normally on said clutching means tending to move the same positively into an inoperative position, of inertially operated means normally acting on said clutching means to maintain the same in operative position and controlled by a deceleration of the driven member for removing itself from the clutching means and thus permit the spring to function.

1,535,567. WETTING DEVICE FOR ROTARY RUBBER-PRINTING MACHINES. GEORG BORNSCHEIN, Bautzen, Germany, assignor to Bautzner Industriewerk A. G., Bautzen, Germany. Filed July 14, 1922. Serial No. 575,003. 4 Claims. (Cl. 101—148.)



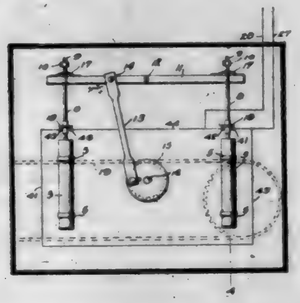
1. An improved wetting device for rotary printing machines comprising in combination with the wetting cylinders the intermediate- or brass cylinder and the means supporting said parts, means for displacing the wetting cylinders in axial direction during the printing operation.

1,535,568. FEED GEAR FOR THE CYLINDERS OF PRINTING MACHINES. GEORG BORNSCHEIN, Bautzen, Germany, assignor to Bautzner Industriewerk A. G., Bautzen, Germany. Filed July 14, 1922. Serial No. 575,004. 1 Claim. (Cl. 64—53.)



A device of the character described for the cylinders of printing machines comprising in combination with the cylinder mounted on ball bearings, an outer slit bush with cylindrical outer surface and with a boring which is partly cylindrical and partly conical, an inner bush in said outer bush the outer surface of which is partly cylindrical and partly conical and which has an eccentric boring, an externally threaded outer end, and a nut in its outer end face, a nut with handle screwed upon this outer threaded end of the inner bush, a bolt in the boring of the inner bush engaging with the ball bearing of the cylinder, a spring controlled sleeve movably mounted upon the outer end of said bolt, a nose projecting from the inner end of said sleeve adapted to engage with the notch in the outer end of the inner bush and a stop upon the inner end of said bolt, engaging with said slit of the inner bush, substantially as described and shown and for the purpose set forth.

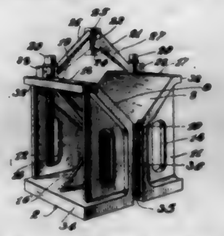
1,535,569. CONTROL MECHANISM. JAMES RAMSEY BUCHANAN, Sylva, N. C. Filed Aug. 7, 1922. Serial No. 580,338. 5 Claims. (Cl. 192—129.)



1. A control device for conveyors comprising a pair of spaced contacts, a movable contact member, a movable member normally connected to the conveyor to retain said contacts in open position, and means for shutting off the power from the conveyor when said movable contact member engages said spaced contacts.

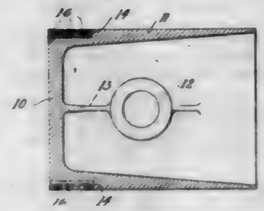
1,535,570. CLAMP BLOCK. ELMER J. BRYANT, Woonsocket, R. I., assignor to The Taft-Peirce Manufacturing Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed May 29, 1920. Serial No. 385,144. 5 Claims. (Cl. 77—63.)

1. As an article of manufacture; a V-block comprising a base portion; a substantially Y-shaped portion supported by said base portion, the upper surfaces of said Y-shaped portion forming a work supporting trough and its edges cooperating with those of the base to



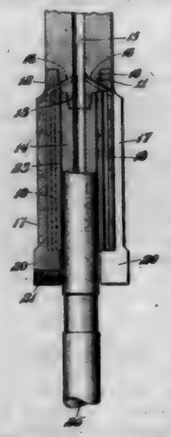
form locating planes; and webs extending between said base portion and said trough at each end thereof and adapted to receive clamping means.

1,535,571. PISTON. RALPH M. BURDICK, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,508. 4 Claims. (Cl. 74—108.)



1. A piston for a cylinder, the piston including a piston body of a material having a coefficient of expansion greater than the material of the cylinder, and a ring carrying band surrounding the piston and composed of a material having a coefficient of expansion slightly less than the coefficient of expansion of the cylinder material so that the expansive forces of the encircled piston body causes the band to expand substantially at the same rate as the cylinder.

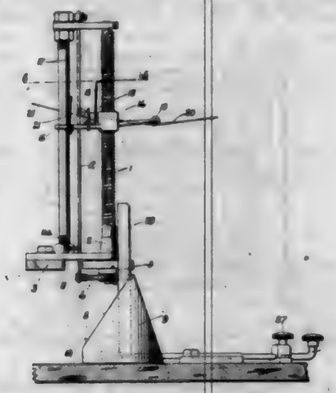
1,535,572. ROTARY WELL DRILL. NELSON S. BURTON, Ardmore, Okla. Filed May 8, 1924. Serial No. 711,874. 5 Claims. (Cl. 255—73.)



1. In well drilling apparatus and in combination, a tool joint having a double pin at its lower end, a drill joint engaging the smaller pin of the tool joint, a sleeve
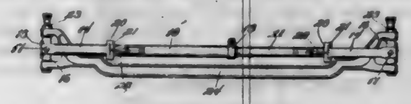
engaging the larger pin of the tool joint, a bit engaged with the lower end of the drill joint, and reamer blades formed on the outer surface of the sleeve.

1,535,573. YARN-WINDING MACHINE. JOHN JAMES CANNON, Leicester, England. Filed Mar. 10, 1922. Serial No. 542,611. 3 Claims. (Cl. 242—29.)



1. In a yarn winding machine of the vertical spindle type, in combination, a rising and falling carrier bar, a screwed rod rotatable thereon, a nut device moved up on said rod when the latter is rotated, a yarn guide carried by said nut device, a ratchet wheel fast on the screwed rod, a lever mounted to oscillate on the screwed rod, a pawl on said lever engaging the ratchet wheel, a fixed cam to oscillate the lever during movement of the carrier bar, a pawl to prevent backward rotation of the ratchet wheel, a pivoted arm on the nut device said arm being controlled by the yarn, and a connection between said arm and last mentioned pawl, whereby, upon release of the arm by the yarn the said pawl is disengaged from the ratchet wheel to stop rotation of the screwed rod.

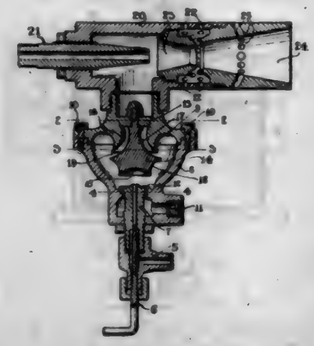
1,535,574. WHEEL GAUGE. VINCENT CAMPAS, Paso Robles, Calif. Filed May 27, 1924. Serial No. 716,248. 5 Claims. (Cl. 33—203.)



1. A gauge for the purpose described comprising an extensible bar having pointers and a member pivoted to each end of the bar and having a dial coacting with a pointer of the bar, said members swinging in one plane and having at the pivot points thereof extensions engageable at spaced points with the king bolts of an axle and by their engagement therewith determining the position of the dial with respect to the pointer.

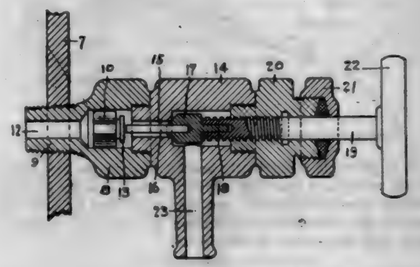
1,535,575. OIL BURNER. ALLEN E. CHISHOLM and SAMUEL MURRAY, Portland, Oreg.; said Murray assignor to said Chisholm. Filed Dec. 29, 1922. Serial No. 609,660. 11 Claims. (Cl. 158—74.)

11. In an oil burner the combination of a casing, an oil inlet to said casing, an abutment within the casing to intercept the flow of oil and spread the same, an annular steam inlet to said casing arranged concentric to said oil inlet for directing the steam toward and into the oil subsequent to its contact with said abutment, a Venturi tube provided with openings adjacent the throat thereof, and means communicating with said casing for



drawing the atomized mixture from said casing and mixing said atomized mixture with suitable quantities of air from the openings adjacent the throat to produce a highly combustible mixture.

1,535,576. GAUGE COCK. GEORGE B. CLARK, Pittsburgh, Pa. Filed Sept. 15, 1924. Serial No. 737,835. 1 Claim. (Cl. 277—27.)

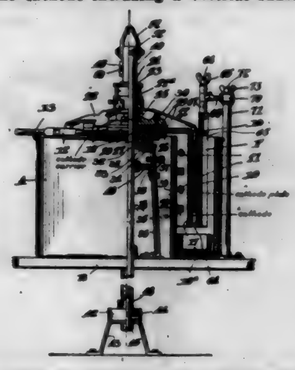


Valve structure comprising an auxiliary valve chamber adapted to communicate at its forward end with a source of pressure, a main valve block disposed to the rear of said chamber and whose forward end extends into said chamber, a valve movable longitudinally of said chamber and having radially extending projections that engage the wall of the chamber, a main valve in said valve block, and a spacing member between said valves whereby when the main valve is moved forwardly the auxiliary valve will be moved forwardly, the said radial projections serving as the sole bearing members for said auxiliary valve and providing spaces for the passage of fluid, and the rear end of said auxiliary valve and the forward end of said main valve block having substantially flat co-operating surfaces.

1,535,577. APPARATUS FOR THE ELECTROLYTIC DEPOSITION OF METALS. ARTHUR HAROLD WILD CLEAVE, Ottawa, Ontario, Canada. Filed Jan. 4, 1923. Serial No. 610,648. 23 Claims. (Cl. 204—5.)

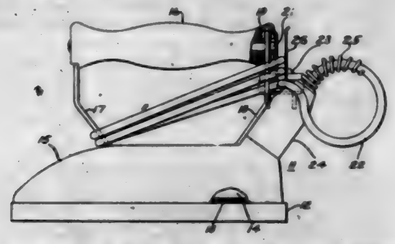
1. Improved apparatus for the electrolytic disposition of metals comprising in combination, a jar, a plurality of fixed anodes suspended in the jar, a rotary cathode,

a cathode carrier adapted to rotate in a horizontal plane, means for supplying current to the anodes, means for rotating the cathode including a vertical shaft, a cotter



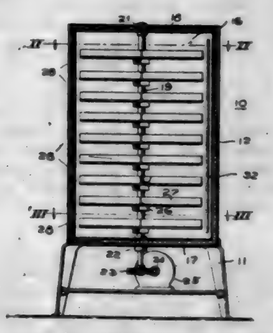
and slot connection between the vertical shaft and the cathode carrier, and an automatic scraper operating on the cathode as and for the purpose specified.

1,535,578. CORD SUPPORT. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 13, 1922. Serial No. 552,180. 5 Claims. (Cl. 219—25.)



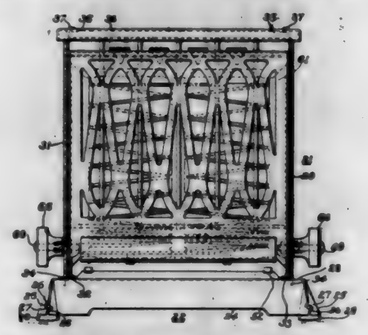
1. A portable electrically-heated apparatus comprising a body portion, a heating element, a permanently attached electric circuit conductor, and means carried by said body portion for releasably supporting all of said conductor when said apparatus is not in use.

1,535,579. VERTICAL OVEN. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 1, 1923. Serial No. 622,057. 8 Claims. (Cl. 219—35.)



1. In an oven, in combination, a plurality of heat-insulating walls enclosing an oven chamber, one of said walls of said oven chamber being of arcuate contour and the remaining walls of non-arcuate contour in cross-section, a shaft in said chamber, a plurality of circular trays secured to said shaft, and electric heating elements located only adjacent those walls that are of non-arcuate contour.

1,535,580. TOASTER. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 6, 1923. Serial No. 630,271. 19 Claims. (Cl. 219—19.)



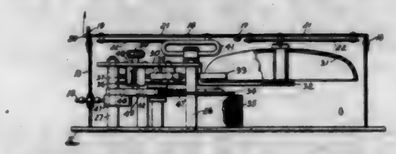
1. In a toaster, in combination, a base provided with depending, integral, flange portions, said flange portions having extensions thereon, angularly disposed relatively to said flange portions, and means co-operating with said extensions to interlock the same.

1,535,581. SPRING-BAR BUMPER AND SUPPORT. ERNEST G. DANN, Chicago, Ill. Filed Dec. 14, 1922. Serial No. 606,794. 5 Claims. (Cl. 293—55.)



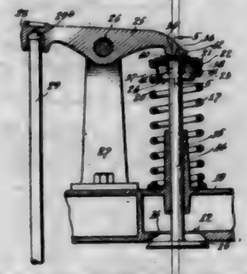
1. In an article of the character described, the combination of a pair of impact bars disposed in spaced parallel relation to each other and adapted to be positioned transversely of the end of a motor vehicle, a pair of brackets formed of continuous bands of spring bar material of approximately T-shape in outline, means for attaching the T-head portions of said respective brackets to the impact bars at points approximately central of the respective half-sections of said impact bars, and means located adjacent a central horizontal plane through said brackets for adjustably positioning said brackets upon the frame of a motor vehicle.

1,535,582. THEFT-INDICATING DEVICE. JOHN J. DARNELL, Oakland, Calif., assignor of one-half to Eugene M. Farnham, Oakland, Calif. Filed July 5, 1924. Serial No. 724,823. 1 Claim. (Cl. 116—99.)



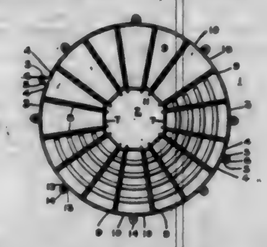
In an alarm device of the class described, a bell, a clapper for the bell, a spring driven gear wheel train for actuating the clapper, a master wheel in said train, a tripping device for arresting rotation of the master wheel comprising a disk-like member pivoted to rock back and forth, a finger on one end of said member adapted to engage the master wheel to arrest the rotation of the same, and means for releasing said arresting engagement comprising a finger at the opposite end of the disk-like member, a cam having a wiping contact with said last-named finger, said cam adapted to rock said disk-like member to move the first-named finger away from its engagement with the master wheel to release the same, a spring-pressed post adapted to engage a hole provided in said disk-like member to hold the first-named finger out of engagement with the master wheel, a spring for returning the disk-like member to a position where the said first-named finger will reengage the master wheel when said spring-pressed post is raised out of said hole, and means for turning said cam comprising a pivoted block to which the cam is mounted and a pull chain connecting the block substantially as and for the purpose described.

1,535,583. VALVE-STEM SILENCER. GAIL BORDEN DONSON, Los Angeles, Calif. Filed Feb. 23, 1921. Serial No. 447,015. 11 Claims. (Cl. 123—90.)



2. In a device of the character described, the combination of a member interposed between the valve stem and its opening means to deaden the sound of contact therebetween, and means axially slidably mounted on the valve stem to prevent displacement of said member.

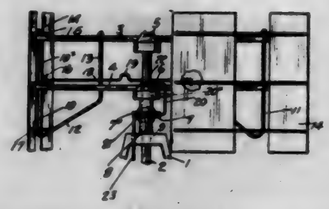
1,535,584. MOLD FOR REACTANCE-COIL SUPPORTS. LEO DORFMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,729. 9 Claims. (Cl. 25—121.)



6. A mold comprising a base portion consisting of a plurality of sections detachably secured together, a vertically extending collapsible core member, a plurality of superposed separate divided molds arranged radially about said core member, and means for securing said dividend molds in operative position and in alignment with each other.

1,535,585. WINDMILL HEAD. CLARENCE JOHN LAWRENCE DYER, Kisbey, Saskatchewan, Canada. Filed Dec. 22, 1923. Serial No. 682,209. 4 Claims. (Cl. 170—24.)

4. In a windmill head, the combination with the main shaft and journal support therefor, of an upper and lower cross arm set diametrically and mounted upon the windmill shaft, a rod bent into U shape having its base inclined upward and having its arms extending through the cross arms at each end at points adjacent their extremities and centre so that the long arm of the U depends below the lower cross arm, a rectangular vane pivotally mounted upon the long arm of the U at points adjacent to the extremities of the cross arms and the

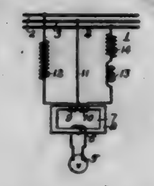


lower extremity of the long arm of the U, and in such a position as to provide a short vane arm extending in one direction and a long vane arm extending in the opposite direction, the vanes being also set oppositely in direction one to the other, a link connecting the long arms of the vanes together, and manually controlled means for adjusting the vanes into and out of the wind.

1,535,586. ARC WELDING. OTTO H. ESCHHOLZ, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1921. Serial No. 481,620. 9 Claims. (Cl. 219—8.)

1. A method of welding which comprises depositing metal by means of an electric arc and then forging the same.

1,535,587. ELECTRICAL MEASURING INSTRUMENT. ROBERT D. EVANS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 13, 1920. Serial No. 358,440. 10 Claims. (Cl. 172—245.)



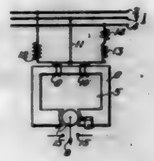
6. A measuring device for a polyphase circuit comprising an indicating instrument, a plurality of resistors and reactors connected to the circuit, and a transformer connected between the resistors and reactors and the indicating instrument to cause the instrument to be responsive to one phase-sequence component of the quantities of the circuit.

8. In a polyphase circuit, the combination with an electro-responsive device, of impedances having such characteristics and disposed to so connect the device to the circuit that the device will be actuated in accordance with one symmetrical component of an unbalanced polyphase electrical quantity traversing the circuit.

1,535,588. ELECTRICAL MEASURING INSTRUMENT. ROBERT D. EVANS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920, Serial No. 400,162. Renewed Feb. 12, 1925. 8 Claims. (Cl. 172—245.)

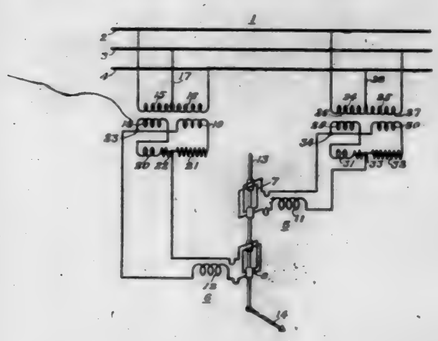
1. A measuring device for a polyphase circuit comprising an armature, a field-magnet core member therefor, a plurality of windings for the core member and means

connected between the windings and the circuit whereby the armature is actuated in accordance with the positive or negative component of a set of symmetrical quantities into which the unbalanced quantities of the circuit may be resolved.



3. An electro-responsive device for a polyphase circuit comprising an armature member, a plurality of windings for actuating the armature member, and resistors and reactive impedance devices connected between the circuit and the windings whereby the armature member is actuated in accordance with one phase-sequence component of an electrical quantity of the circuit.

1,535,589. ELECTRICAL MEASURING INSTRUMENT. ROBERT D. EVANS, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,163. 10 Claims. (Cl. 172—245.)

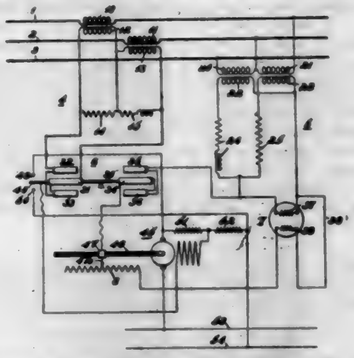


2. An unbalance-factor meter for a polyphase electric circuit comprising a movable member, and oppositely acting means for actuating the movable member, said means being actuated in accordance with two phase-sequence components of an electrical quantity of the circuit.

9. The combination of a polyphase circuit, differentially-connected electro-responsive elements associated therewith and means whereby said elements are energized in accordance with the positive and negative phase-sequence components of an electrical quantity of the circuit.

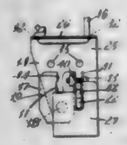
1,535,590. VOLT-AMPERE METER. ROBERT D. EVANS, Pittsburgh, and RAYMOND T. PIERCE, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 20, 1921. Serial No. 509,020. 10 Claims. (Cl. 172—245.)

1. A measuring device for a polyphase circuit comprising an indicating element embodying two windings, means energized from the circuit to energize one winding in accordance with one symmetrical component of an unbalanced quantity, control means for deriving a force from said energized means to energize the second winding,



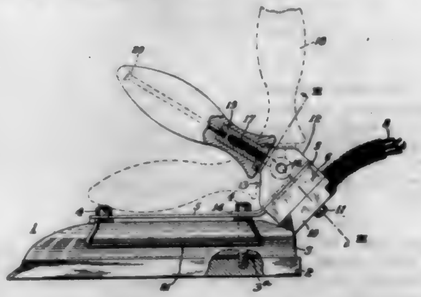
and means for controlling said control means in accordance with another symmetrical component of a quantity of the circuit.

1,535,591. WINDOW-SHADE ROLL AND HOLDER THEREFOR. FRANCESCO FERRARA, Somerville, Mass. Filed Nov. 20, 1923. Serial No. 675,825. 8 Claims. (Cl. 156—27.)



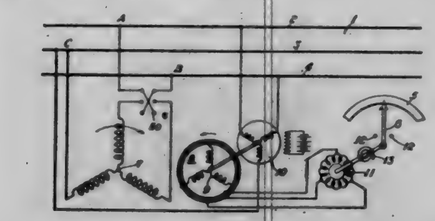
1. In combination, a spring actuated window shade roll, a spindle projecting from one end of said roll, said spindle being provided with a flattened outer end, a holder embodying therein a flange at one end thereof whereby said holder may be rigidly secured to a stationary support, and a U-shaped portion at the other end thereof and having a slot formed therein through which said spindle projects, a clamping member pivotally mounted upon said holder within said U-shaped portion and means to grip said flattened end of said spindle in said member.

1,535,592. SADIRON. FRANK F. FORSHEE, Flint, Mich., assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed Nov. 12, 1920. Serial No. 423,562. 4 Claims. (Cl. 68—26.)



4. An electric iron comprising a heating element, a terminal block therefor, a handle, a mounting means for supporting said handle, and a single supporting means for said handle-mounting means and said terminal block.

1,535,593. ELECTRICAL MEASURING DEVICE. CHARLES LE G. FORTESCUE, Pittsburgh, and LEWIS WARRINGTON CHUBB, Edgewood, Pa., and JOSEPH SLEPIAN, Boston, Mass., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 13, 1920. Serial No. 358,373. 28 Claims. (Cl. 172—245.)

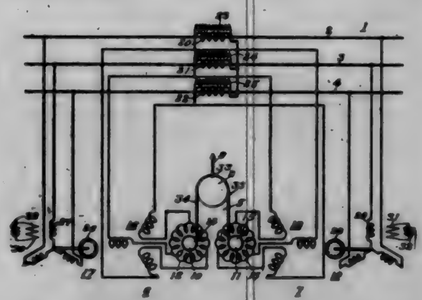


19. The method of determining one of three symmetrical currents into which the unbalanced current of a three-phase system may be resolved which consists in measuring a double-frequency voltage which is the result of cutting, at a fixed rate, the field set up by a phase-sequence component of the current traversing the system.

22. In a polyphase circuit, the combination with an electro-responsive device, of means for so modifying the energization of the device from the circuit that it is actuated in accordance with one symmetrical component of a polyphase electrical quantity.

25. The combination with a polyphase circuit, of a dynamo-electric machine embodying rotor and stator windings, the stator windings being connected to the circuit means connected to the circuit for synchronously actuating the rotor windings of the machine, and an electro-responsive device connected to the rotor windings.

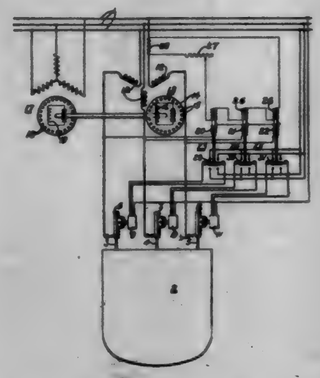
1,535,594. ELECTRICAL MEASURING INSTRUMENT. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 9, 1920. Serial No. 402,294. Renewed Sept. 23, 1924. 10 Claims. (Cl. 172—240.)



1. A measuring instrument for an electric circuit comprising two motor meters, a movable member operatively connected to both motor meters, and means for supplying one motor meter with current in accordance with one phase-sequence component and the other in accordance with another phase-sequence component of an electrical quantity of the circuit.

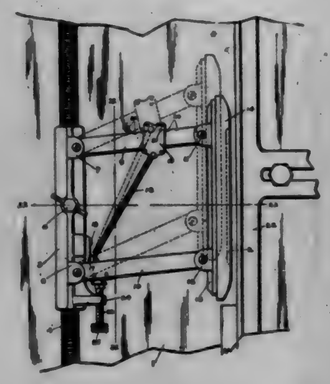
10. The combination of a polyphase circuit, a movable member, and means for actuating said member in accordance with the relative values of the positive and the negative phase-sequence components of current flowing in said circuit.

1,535,595. NEGATIVE-PHASE-SEQUENCE BALANCER FOR POLYPHASE FURNACES. CHARLES LE G. FORTESCUE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 13, 1922. Serial No. 552,244. 47 Claims. (Cl. 204—64.)



1. The combination with a polyphase electric-arc furnace, of a series balancer machine in series therewith, whereby arcs are supplied with equal currents at voltages which vary with the respective resistances.

1,535,596. GUARD AND GUIDE FOR CIRCULAR RABBETING SAWS. SILAS FRENCH, Rochester, N. Y. Filed July 18, 1923. Serial No. 652,445. 4 Claims. (Cl. 143—159.)



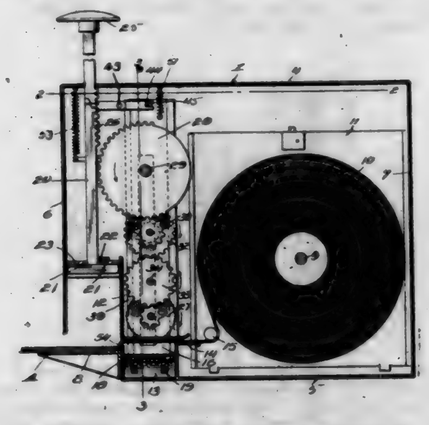
2. In a guard and guide for circular rabbeting saws having a saw table, the combination of a supporting rail, means for adjustably anchoring said supporting rail in the saw table, a pair of parallel arms pivoted to one side of said supporting rail, a pressure bar pivoted to the end of said parallel arms, a nonmetallic guard member carried on the outside of said pressure bar, a ledge formed on said guard member, said ledge overhanging the circular saw when in its normal inoperative position, an adjustable lug carried by said supporting rail, an adjustable member carried by one of said parallel arms, a tension spring stretched between said adjustable lug and said adjustable member on said arm to normally swing said parallel arm away from said supporting rail.

1,535,597. CONDIMENT HOLDER. JACOB FUNDA, Winnipeg, Manitoba, Canada. Filed Mar. 4, 1924. Serial No. 696,803. 1 Claim. (Cl. 65—57.)



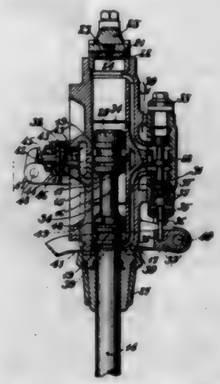
In a condiment holder, a closing cap provided with intersecting rows of discharge openings, a ring disposed within said cap and carrying intersecting spider arms disposed in alignment beneath said rows of openings, a plurality of projections carried on the upper faces of said spider arms and projecting through said openings, an eccentric operating member carried by said ring and passing through an opening in the cap to the exterior to render it accessible, and springs carried by the cap and engaging said ring for normally forcing said projections through the openings, said spring means permitting said ring to be pressed inwardly to remove the projection from said openings.

1,535,598. STAMP-AFFIXING DEVICE. RAYMOND J. GENGLER, Akron, Ohio. Filed June 4, 1924. Serial No. 717,859. 6 Claims. (Cl. 216—27.)



1. A stamp affixing device comprising a casing, an envelope receiving table, a vertically disposed spring controlled plunger arranged over said table, stamp feeding means, a train of gearing connected to the stamp feeding means and operable by said plunger, a fountain below said feeding means and adjacent said table, a moistener normally within said fountain, and means for raising the moistener into engagement with a stamp over the fountain upon the downward movement of the plunger, said means comprising a substantially U-shaped frame adapted to support said moistener in the base portion thereof, a lever pivotally supported in said casing and connected at one end to the upper portion of the frame, and a trip carried by said plunger for actuating the opposite end of the lever whereby the frame and moistener are simultaneously raised upon the down stroke of the plunger.

1,535,599. PNEUMATIC HAMMER. GEORGE H. GILMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Sept. 30, 1918. Serial No. 256,830. 24 Claims. (Cl. 121—30.)



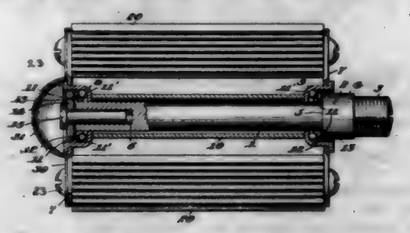
1. In a drill sharpener, the combination with a swaging die, a piston for actuating said die, and fluid distribution means for causing reciprocation of said piston including means for alternately supplying fluid pressure to the opposite sides thereof and for exhausting the fluid including a normally open exhaust means, of means for holding said piston inoperative including means for subjecting it to unequal pressures on opposite sides, and means distinct from said first mentioned exhaust means for preventing equalization of the pressures on the opposite sides of said piston.

1,535,600. CANDY SCOOP. OVILA GODDU, Ponteix, Saskatchewan, Canada. Filed June 27, 1924. Serial No. 722,845. 5 Claims. (Cl. 294—106.)



1. A candy scoop comprising pivotally mounted gripping jaws, a handle, a lever arm pivotally mounted in said handle and operatively connected to the gripping jaws, and spring means carried by the handle adapted to exert upward pressure on the lever arm to automatically retain the gripping jaws in an open position.

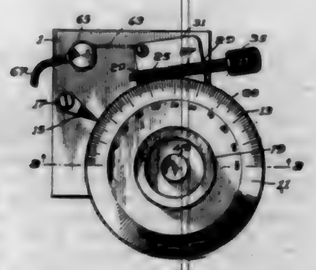
1,535,601. PEDAL FOR BICYCLES. JAMES H. GRAHAM, Torrington, Conn. Filed June 9, 1924. Serial No. 718,883. 6 Claims. (Cl. 208—70.)



1. A pedal for bicycles and the like, comprising a spindle having a longitudinal bore in its outer end, a pedal frame mounted on the spindle, and a headed pin

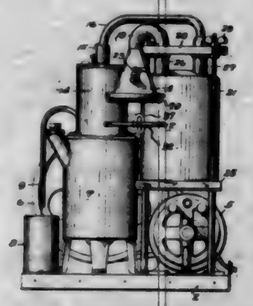
for holding the frame on the axle and of greater diameter than said bore to be held in place by frictional contact when driven into position.

1,535,602. RADIO TUNING DEVICE. ARTHUR C. HAYDEN, Brockton, Mass. Filed May 24, 1922. Serial No. 563,221. 3 Claims. (Cl. 74—7.)



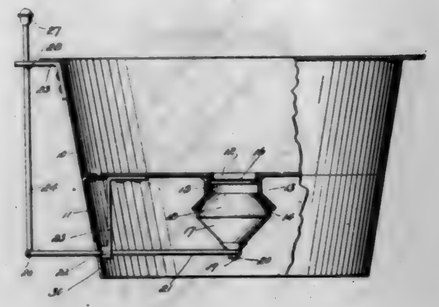
1. In a radio tuning device, the combination of a panel having a hole therein, a shaft projecting through the hole in the panel with provision for connection with a radio tuning instrumentality, a worm gear on said shaft, a member carried by said shaft and having a part projecting beyond the periphery of the gear, a worm shaft carried by said projecting part and having a worm meshing with said gear, said member serving to hold the worm and gear in intermeshing relation, means to connect the member with the panel and prevent rotation of the member about the shaft, and means detachably to secure the gear to its shaft, said shaft being manually rotative to effect preliminary tuning adjustment of the shaft and said worm being manually rotative to effect fine tuning adjustment of the shaft.

1,535,603. PORTABLE ICE MACHINE. HERMAN S. HELLER, San Francisco, Calif., assignor to Heller Products Company, Inc., Los Angeles, Calif., a Corporation of California. Filed July 11, 1922. Serial No. 574,258. 8 Claims. (Cl. 62—153.)



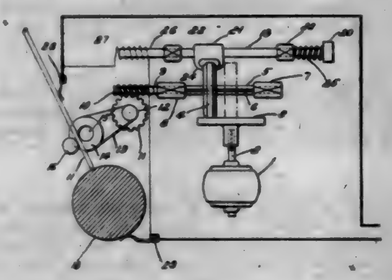
1. In a refrigerating apparatus, means for producing a vacuum, a container for liquid to be cooled, means whereby the liquid may be subjected to the vacuum, so that rapid evaporation may result, a container for holding hygroscopic material for absorbing the evaporated liquid, and means whereby the liquid container may be agitated while maintaining the other container stationary.

1,535,604. PAN OR THE LIKE. WILLIAM H. HENDRICKS, New Haven, Conn. Filed May 21, 1921. Serial No. 471,879. 2 Claims. (Cl. 137—21.)



1. In combination with a portable pan having a circular depending supporting skirt, and having a downwardly and outwardly flared valve seat below the pan bottom, an upwardly tapered valve adapted to be engaged in the seat and disposed wholly below the pan bottom and within the skirt so as to be housed by the latter, a horizontal lever disposed beneath the pan bottom and connected to the valve and projecting at its outer end beyond the skirt so as to be partially housed by the skirt, means also housed by the skirt to pivotally support the lever, a guide member on the pan, a vertically movable rod carried by the guide member and disposed exteriorly of the pan and means to connect the outer end of the lever to said rod.

1,535,605. AUTOMATIC WELDING MACHINE. WALTER H. HIMES, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 26, 1921. Serial No. 439,914. 1 Claim. (Cl. 219—80.)

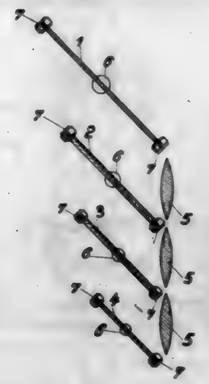


In an automatic electric welding machine, means for feeding an electrode controlled by the potential across the welding arc, said means comprising a constant-speed source of power, a variable-speed-electrode-feed drive, and an automatic device for regulating the speed of the feeding means.

1,535,606. PHOTOGRAPHIC DEVICE. LUDWIG HORST, Berlin-Wilmersdorf, Germany. Filed June 21, 1922. Serial No. 569,925. 5 Claims. (Cl. 88—1.)

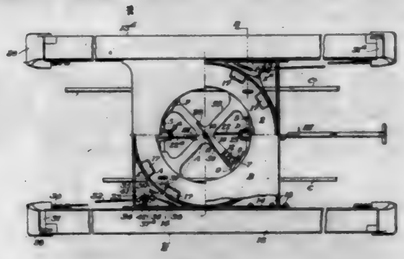
2. In a short focus photographic device of the class described, a relatively large collecting mirror and a

plurality of universally movable objective mirrors, partially reflecting and partially transparent, the objective



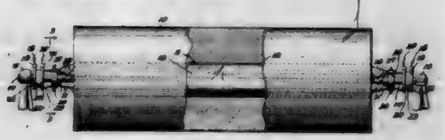
mirrors being on a line from the collecting mirror and graduated downwardly in size both as to length and width.

1,535,607. AUTOMOBILE TURNTABLE. RICHARD B. ISERMAN, Clarion, Pa., assignor, by mesne assignments, to Auto Turn Company, Clarion, Pa., a Corporation of Pennsylvania. Original application filed Aug. 31, 1923, Serial No. 660,376. Divided and this application filed July 26, 1924. Serial No. 728,507. 11 Claims. (Cl. 188—1.)



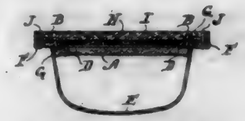
1. An automobile turntable comprising a truck, a turret revolubly mounted on said truck, and means controlled by an automobile rolling onto and off from said turret for locking the turret with respect to the truck.

1,535,608. HEATER FOR SCHREINER ROLLS. WILLIAM W. JOHNSON, Jr., Eddystone, Pa., assignor to Eddystone Manufacturing Co., Inc., Eddystone, Pa., a Corporation of Pennsylvania. Filed Aug. 3, 1922. Serial No. 579,450. 13 Claims. (Cl. 219—37.)



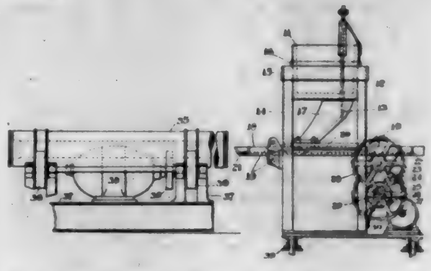
1. A cylindrical roll of the class described having electric heating units therein fixed to rotate therewith and extending longitudinally thereof from each to a point near but spaced a short distance from the longitudinal center of the roll.

1,535,609. PROCESS OF MAKING SHOES. WILLIAM J. KELLY, Brooklyn, N. Y., assignor of one-third to Harry I. Bernhard, Brooklyn, N. Y. Filed June 18, 1920. Serial No. 389,824. 8 Claims. (Cl. 12—142.)



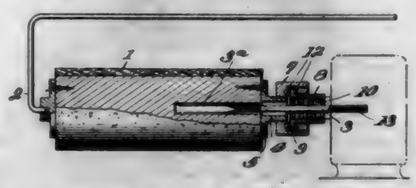
8. In the art of making shoes, the improvement which consists in providing an insole with a lip having a free portion which extends beyond the margin of said insole and which free portion of the lip is separated from the body portion of the insole by a channel extending inwardly from the edge of said insole body portion, lasting an upper for the margin thereof to ultimately lie within the channel of said insole and for the upper to contact with the face of the insole along the edge thereof, attaching the marginal portion of the upper and the inner edge portion of a welt to the lip of said insole concurrently with the lasting of the upper, imposing an outsole on the welt to encase the free portion of the lip between the outsole and the welt, and attaching the outsole to the welt independently of the attachment of the welt and upper to the lip.

1,535,610. CENTRIFUGAL CASTING MACHINE. WALTER J. LANGSTON, Three Rivers, Quebec, Canada. Filed Sept. 16, 1922. Serial No. 588,629. 1 Claim. (Cl. 22—65.)



In a rotary casting machine, the combination of a rotary mould, a pouring trough, means for inserting the trough in said mould and then gradually withdrawing the mould, said trough having a canal open at both ends and a cooling chamber situated below the canal and being equipped with a pouring end bevelled and thereby adapted to feed the metal to the lowest part of the mould.

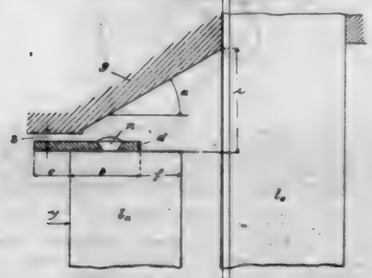
1,535,611. RAZOR SHARPENER. ALEXANDER A. LE ROUX, Lake Placid, N. Y. Filed Oct. 1, 1921, Serial No. 504,793. Renewed Mar. 10, 1925. 2 Claims. (Cl. 51—72.)



1. In a blade sharpening device, a drum, a rotary spindle having a forked flexible extremity to frictionally engage the drum whereby the drum and spindle normally

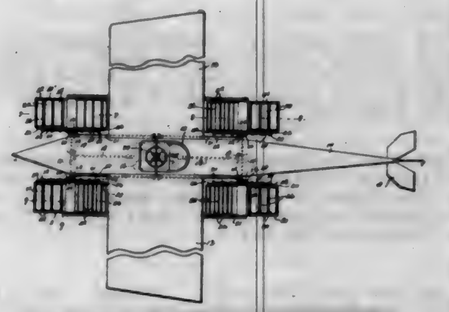
rotate at the same speed but allowing rotation of the drum to be retarded relative to that of the spindle upon undue pressure on the drum.

1,535,612. BLADING OF AXIAL TURBINES. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Apr. 21, 1924. Serial No. 708,083. 7 Claims. (Cl. 253—69.)



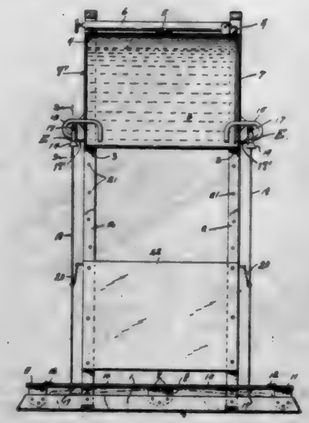
1. In an axial fluid pressure turbine in combination with a casing and alternating rotor and stator elements, headrings secured to the free ends of the rotor blades and extending over only part of the axial width of the same, said headrings forming on the entrance side of the rotor blades with the stationary part clearance or tightening spaces, the interior of the stationary part of the casing being extended with gradually increasing diameter from substantially the rear end of said clearances of the rotor blades towards the front end of the next following ring of stator blades so that the elastic fluid is issued from the rotor blades partly through the uncovered part of their periphery and through said gradually increasing interior of the stationary part into the next following guide blades.

1,535,613. PROPELLER FOR FLYING MACHINES OR THE LIKE. JESSE A. MCFARLANE, Milwaukee, Wis. Filed Aug. 26, 1924. Serial No. 734,253. 9 Claims. (Cl. 244—16.)



1. A propeller of the character described comprising a cruciform frame divided to form a plurality of compartments on each arm, each compartment being open on those opposite sides of the compartment extending at right angles to the axis of movement of the propeller, blades rotatably mounted in each compartment for rotation on an axis extending lengthwise of the compartment and at right angles to the plane of movement of the frame, power operated means for constantly rotating the cruciform frame, and means for causing the constant rotation of the blades, each upon its own axis, and for adjusting the relative angle of the blades to each other.

1,535,614. HOG SPRAYER. ANDREW MCPHERSON, Ward, S. Dak. Filed Jan. 16, 1924. Serial No. 686,594. 5 Claims. (Cl. 119—159.)

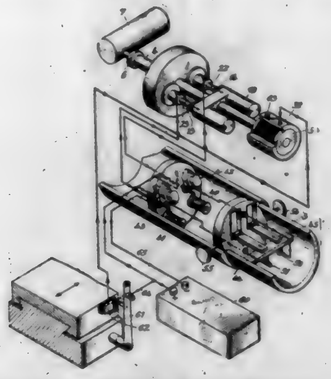


2. A spraying mechanism comprising, in combination, a pair of sills arranged substantially in parallelism, a tank supported by and above said sills, transversely disposed steps carried by the opposite end portions of the sills, platforms extending transversely of the sills and positioned between the steps, means for pivotally supporting the inner marginal portions of the platforms to permit said platforms to have swinging movement in a vertical direction, said platforms and steps being normally substantially coplanar, said steps being provided with means with which the platforms contact from below to limit the upward swinging movement of the platforms, spraying elements arranged at opposite ends of the tank and in communication therewith, a valve for controlling the flow through each of the elements, a rock shaft operatively engaged with a valve for moving the valve into open position upon rotation of the rock shaft in one direction, a rod operatively engaged with the rock shaft and with a platform, depression of said platform rocking the shaft in a direction to move the valve into open position, a retractible member engageable with the rod to constantly urge said platform in the opposite direction and to maintain the same in its normal position and upstanding guard plates arranged above and at opposite sides of the platforms and below the tank.

1,535,615. PRECISION FEELER APPARATUS FOR GRINDING MACHINES. MAX MAAG, Zurich, Switzerland, assignor of one-half to the Firm Maag-Zahnräder & Maschinen A.-G., Zurich, Switzerland. Filed Jan. 21, 1921. Serial No. 439,011. 10 Claims. (Cl. 177—311.)

10. A precision feeler apparatus, in combination, a feeler displaceably arranged in its axial direction, means adapted to bring said feeler into touch with the blank for a short time at certain intervals, including a solenoid adapted to effect the movement of said feeler towards the blank, a spring operatively connected to said feeler and adapted to effect the movement of the latter away from the blank, an adjustable final contact device operated by said feeler, an adjustable pre-contact device operated by said feeler, said two contact devices being so adjusted relatively to each other, that the pre-contact device is actuated at the beginning of the last step of machining the blank and the final contact device at the finish of said step, a relay, means connecting said relay electrically to the final contact device, a second relay,

means connecting said relay electrically to the pre-contact device, a first signalling device operated by the first mentioned relay, and indicating the finish of the



machining of the blank, a second signalling device operated by the second relay and indicating the last step of machining the blank.

1,535,616. CASING STRUCTURE. PAUL MACGAHAN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 30, 1923. Serial No. 615,865. 10 Claims. (Cl. 220—82.)



1. In combination, a casing having a window opening and a flange or seat portion around the opening, a window-member seated behind said flange and held in position thereby, a perimetral member adapted for insertion in the casing from the rear of said window to hold said window member in position and means for positively interlocking said perimetral member in position in the casing.

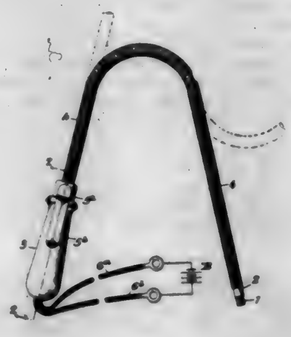
1,535,617. GARTER. ABRAHAM M. MALOUF, New York, N. Y. Filed June 9, 1924. Serial No. 718,875. 3 Claims. (Cl. 241—6.)

1. In a garter, a pad, a connector comprising side bars, end bars and an intermediate bar provided along one edge with teeth and equipped along its opposite edge with a bendable flange, a loop carried by the pad and receiving one side bar of the connector, and a band looped about the intermediate bar, the flange being bent to overhang the intermediate bar, one end of the band extending between the flange and the intermediate bar and being held by the flange on the teeth, the intermedi-



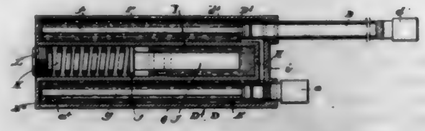
ate bar being spaced far enough from said one side bar to leave an opening of appreciable size between the looped portion of the band and the loop, thereby facilitating the looping of the band about the intermediate bar.

1,535,618. FLEXIBLE ELECTROMAGNET. EDWARD C. MAYER, Butte, Mont. Filed Aug. 19, 1922. Serial No. 583,056. 1 Claim. (Cl. 175—367.)



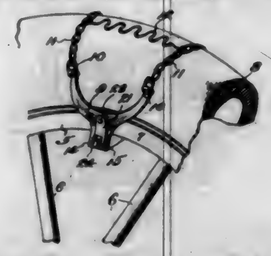
A portable electro-magnet comprising a slender pliable core formed of a number of parallel strands of soft flexible magnetic wire, and a conductor coil wrapped around said core, said core being adapted to be readily bent to any desired form.

1,535,619. MULTIBARREL GUN. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed July 8, 1924. Serial No. 724,871. 4 Claims. (Cl. 89—43.)



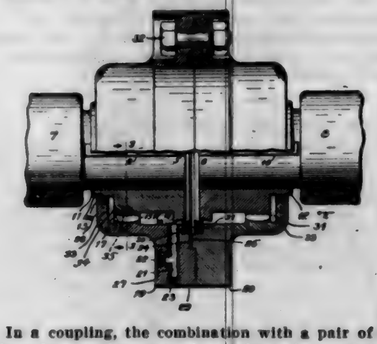
1. In a device of the character described, the combination of a plurality of brake cylinders, a conduit connecting the rear ends of said cylinders, a reservoir in open communication with said conduit, and a shock-absorbing plunger in said reservoir.

1,535,620. ANTISKID DEVICE. CHESTER F. MORGAN, Mount Vernon, Ill. Filed Aug. 19, 1924. Serial No. 732,978. 2 Claims. (Cl. 152—14.)



1. A non-skid device comprising a pair of side plates, cross chains connected at their ends to said side plates, a circumferentially extending serpentine traction member connected at its ends to the intermediate portions of said chains, and means to secure the side plates to a wheel.

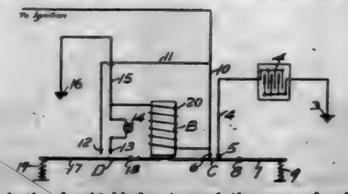
1,535,621. ROTARY-SHAFT COUPLING. MERTON W. MORGAN, Baltimore, Md., assignor to Poole Engineering and Machine Company, Woodberry, Md., a Corporation of Maryland. Filed May 29, 1923. Serial No. 642,239. 3 Claims. (Cl. 64—101.)



1. In a coupling, the combination with a pair of shaft members for attachment to the shafts to be coupled, each member comprising teeth having curved crowns, of a pair of sleeve members bolted together and having teeth engaging the teeth of said shaft members, the surfaces between the teeth on said sleeve bearing on said crowns, a frustro-conical surface on each shaft member, an outer cylindrical surface on each sleeve member and a frustro-conical surface on each of said sleeve members located to contact, when said sleeve members are unbolted and moved axially, with the frustro-conical surface on the corresponding shaft member in order to coaxially align said cylindrical surface with the corresponding shaft.

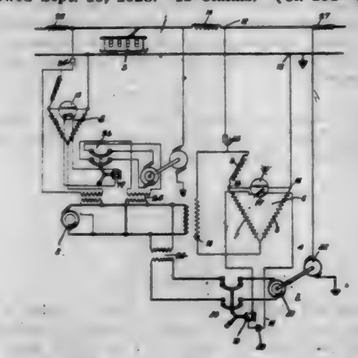
1,535,622. BATTERY INDICATOR AND CUT-OUT. WILLIAM AUNDRAE MORGAN, Los Angeles, Calif. Filed Feb. 5, 1921. Serial No. 442,883. 3 Claims. (Cl. 177—311.)

1. The combination comprising an electromagnet; a cut-out switch having a pivoted blade disposed at right angles to the axis of said electromagnet and forming an armature and a pair of contact points positioned in contacting relation to said armatured blade between the pivot and the electromagnet, spring means tending to move said blade to open said switch against the pull of said electromagnet; a tell-tale switch having a pivoted blade forming an armature for said electromagnet disposed in alignment with said cut-out switch blade, spring means tending to move said blade to close said switch against the pull of said electromagnet, and a pair of contacting points positioned in contacting relation to the last mentioned armature blade between the pivot and the spring means, and manually operable means for



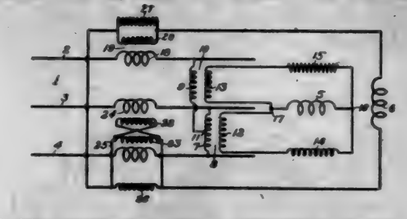
moving both of said blades toward the core of said electromagnet whereby to close said cut-out switch and open said tell-tale switch.

1,535,623. AUTOMATIC SUBSTATION. CHARLES MCL. MOSS, Pittsburgh, and ROY J. WENSLEY, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed July 10, 1918. Serial No. 244,238. Renewed Sept. 19, 1923. 41 Claims. (Cl. 191—2.)



36. An automatically reclosing circuit-controlling device comprising means for controlling the interchange of energy in an electrical system and means comprising a Wheatstone bridge connected to the system for controlling said controlling means.

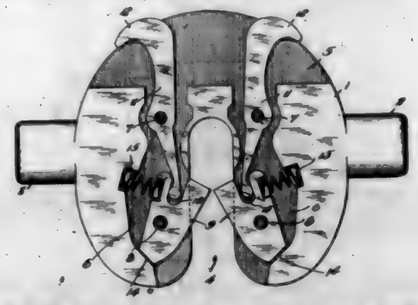
1,535,624. ELECTRICAL SYSTEM. ALEXANDER NYMAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 15, 1920, Serial No. 396,529. Renewed Feb. 16, 1925. 10 Claims. (Cl. 172—245.)



1. The combination with a three-phase electric circuit, of two transformers, a winding, and means for so connecting the transformers to the circuit and to the winding that current traverses the winding only when the three-phase circuit is unbalanced.

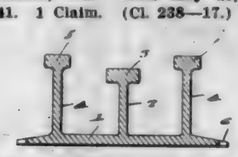
5. The combination with a three-phase circuit, of three current transformers connected to the circuit, a resistor connected across one transformer, a reactor connected across the other two transformers, and a winding connected in series-circuit relation to the resistor and reactor.

1,535,625. SUCKER-ROD ELEVATOR. WALTER O'BANNON, Tulsa, Okla. Filed Jan. 26, 1923. Serial No. 615,049. 2 Claims. (Cl. 294—91.)



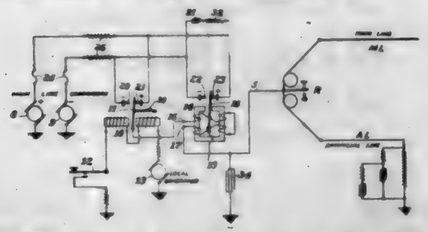
1. A sucker rod elevator comprising a body, pivot elements carried by the body, and latches having openings receiving the pivot elements, whereby the latches are mounted to swing on the piot elements, the openings being of greater diameter than the pivot elements, so that the latches may move bodily, in the direction of their lengths, and transversely of the pivot elements, and engage the body, thereby reducing the strain on the pivot elements.

1,535,626. RAIL CONSTRUCTION. WILLIAM THOMAS PARKER, Mobile, Ala. Filed May 20, 1924. Serial No. 714,641. 1 Claim. (Cl. 238—17.)



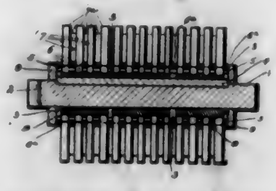
A guard rail comprising a base portion having a web and head portion disposed along its median longitudinal dimension and provided with other web and head portions extending longitudinally thereof, and located one at each side of the first mentioned web and head portions, and spaced therefrom in parallel relation, one of the said side head and web portions being cut away to provide a clearance space, and a switch tongue located in said clearance space and pivoted to the base portion of a rail, at a point in alignment with the ends of the cut away web and head portions.

1,535,627. TELEGRAPH SYSTEM. SAMUEL W. PERKINS, Jacksonville, Fla., assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed May 21, 1921. Serial No. 471,419. 7 Claims. (Cl. 178—58.)



1. In a telegraph system, a circuit, a source of current, a polar relay, transmitting mechanism, circuit connections between said relay and said mechanism for controlling the actuation of said relay, said mechanism and said relay operating conjointly to reverse the polarity in said circuit while maintaining the continuity thereof.

1,535,628. BRUSH. JOHN J. PETERSON, Steubenville, Ohio. Filed Mar. 7, 1924. Serial No. 697,606. 5 Claims. (Cl. 15—198.)

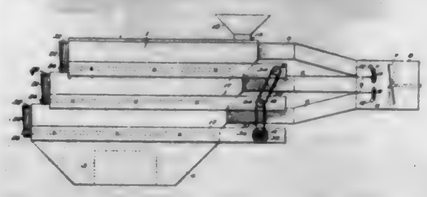


1. In a device of the character described, an elastic body, bristle members embedded in said body and each including an eye and resilient arms extending from the ends thereof, and securing rods extending through the body longitudinally thereof, said rods being inserted through the eyes of the bristle members and acting to secure them in the body.

1,535,629. METHOD OF TREATING ALLOYS. NORMAN B. PILLING, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 2, 1922. Serial No. 586,026. 8 Claims. (148—11.)

1. The method of treating alloys having a coefficient of resistance that continuously approaches zero as the material is cold-worked which comprises cold-working said material and heating to a temperature not higher than 200° C. for diminishing the resistance thereof.

1,535,630. DRY CONCENTRATOR. WILLIAM H. POWELL, Albuquerque, N. Mex. Filed May 17, 1924. Serial No. 713,975. 19 Claims. (Cl. 83—54.)

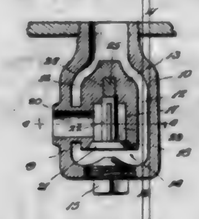


1. A dry concentrator involving a casing provided with an opening for introducing pulverized ore and having an outlet for the escape of gangue and air, a reciprocating carriage within said casing provided on opposite sides with a plurality of vanes disposed obliquely to the direction of reciprocation of said carriage, the vanes on one side of the carriage being in staggered relation to those on the other side, and means for causing a current of air to pass through said casing between said vanes.

1,535,631. AUTOMATIC CYLINDER COCK. ROBERT H. SMITH, Columbus, Ga. Filed July 25, 1922. Serial No. 577,375. 1 Claim. (Cl. 121—134.)

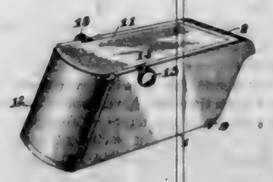
In a cylinder cock, a casing provided at its upper end with a nipple and formed with passages leading downwardly within the casing at opposite sides thereof and connected at their lower ends by a chamber common thereto, said passages defining an intervening core having an axial valve chamber opening at its lower end into the former chamber and the casing being formed with an outlet passage extending across one of said first mentioned passages as well as with a slot extending through the casing and through said core at substantially a right angle to said outlet passage, a downwardly opening valve slidable in said valve cham-

ber but normally held elevated in closed position by steam pressure, the valve being provided with a stem to project into said slot, and a bar slidably fitting



through said slot and provided with an inclined face to coact with the valve stem for depressing the valve to open position when the bar is shifted.

1,535,632. ICE-SCRAPING DEVICE. JOSEF SPERLICH, Orland, Calif. Filed Oct. 29, 1924. Serial No. 746,669. 7 Claims. (Cl. 83—62.)



1. An ice scraper comprising in combination with a casing having the top and one end thereof open, a cover of angular formation therefor, said cover being removable from the casing, and a flange upon one end of the cover adapted to flushly contact with the bottom of such casing, at times.

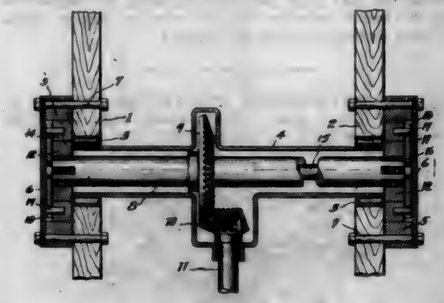
1,535,633. SUBMARINE CONTACT MINE. ELMER A. SPERRY, Brooklyn, N. Y. Filed Nov. 8, 1917. Serial No. 200,860. 26 Claims. (Cl. 102—8.)



1. A submarine mine adapted to be launched from a torpedo tube, comprising a buoyant explosive portion, an anchor portion, extensible connecting means between said portions, a fragile tube within said buoyant portion adapted to be projected therefrom, means for projecting said tube, and means brought into action as the mine is set for operating said last-named means for causing said tube to be projected therefrom.

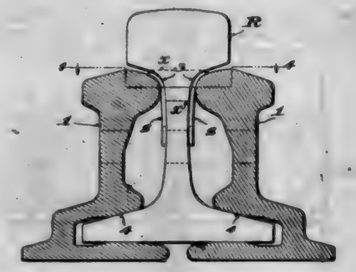
1,535,634. DIFFERENTIAL DRIVING MECHANISM. CHARLES E. STARR, Bellingham, Wash., assignor to Perfecto Gear Differential Co., Seattle, Wash., a Corporation of Washington. Filed Oct. 18, 1920. Serial No. 417,682. 5 Claims. (Cl. 192—50.)

2. A differential mechanism comprising a pair of vehicle wheels, a concentrically mounted drum on each wheel, a driving shaft for said wheels, cams in each drum fixed on the shaft, clutch blocks interposed between



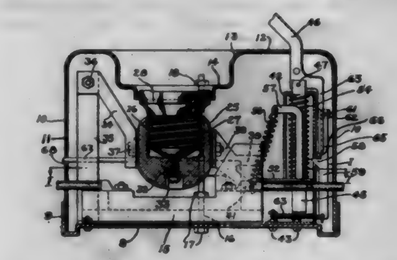
the cams and the associated drum surface, a spider loosely interlocked with each set of clutch blocks, and means for rigidly connecting both spiders.

1,535,635. HEAD-FREE TYPE RAIL JOINT. McLEOD THOMSON, Philadelphia, Pa., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed June 10, 1924. Serial No. 719,151 7 Claims. (Cl. 238—188.)



1. A rail joint including rails, a joint bar having a bearing on the rail flanges and clearance throughout from the undersides of the rail heads, and offsetting members arranged to provide an engagement for the bar head at the rail head fillets to bring the bar head into solid resistance to load deflections.

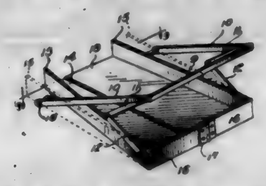
1,535,636. SAFETY INCLOSED SWITCH. EMIL H. W. ULLRICH, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 21, 1921. Serial No. 446,645. 6 Claims. (Cl. 200—70.)



1. Switch mechanism comprising a pair of separate contact members, a switch member for connecting the said contact members, a spring for moving the switch member into engagement with the contact members with

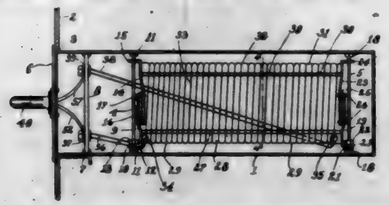
a snap-action, means for retracting the spring, a latch for restraining the spring, an operating handle for releasing the said latch and yielding means for withdrawing the switch member from the contact member when the said retracting means is actuated.

1,535,637. ATTACHMENT FOR STOVES. ANDREW A. VENETS, Great Falls, Mont. Filed Apr. 17, 1923. Serial No. 632,769. 4 Claims. (Cl. 126—242.)



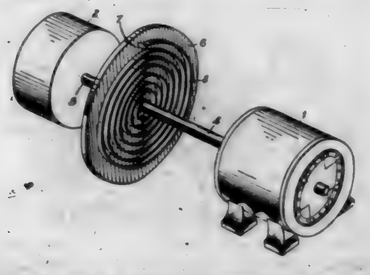
1. A tray for use in removing ash pans from stoves comprising a bottom, side walls, and a rear wall, said bottom and side walls being adjustable at the front of said tray to vary the width of the front end of said tray, the front of said tray being open to permit it to be arranged in front of a stove and the ash pan placed thereon by sliding it from the stove, and a bail secured to said tray.

1,535,638. ELECTRIC HEATING UNIT. JOHANN G. WALLMANN, Oakland, Calif. Filed Apr. 10, 1922. Serial No. 550,993. 2 Claims. (Cl. 219—19.)



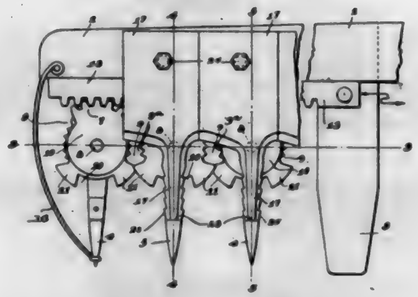
1. In a heating element relatively movable insulating saddles, supports therefor, a coil wound around said saddles and means comprising a member adapted to expand under heat to produce relative movement of said saddles, one end of said member being fixed to a support and the other end of said member being slidably mounted on said support.

1,535,639. MEANS FOR OVERCOMING LOAD INERTIA. CLIFFORD A. M. WEBER, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1918. Serial No. 254,212. 1 Claim. (Cl. 172—120.)



The combination with a rotatably mounted load possessing an appreciable inertia, of a driving means therefor, comprising a salient-pole induction motor, and elastic means interposed between said load and said motor, whereby said load is enabled to be accelerated gradually to synchronous speed of said motor although said driving motor accelerates from its induction motor speed to its salient pole speed with great rapidity.

1,535,640. MOWING-MACHINE CUTTER BAR. FRANK R. WILSON, Ardley, British Columbia, Canada, assignor of one-half to John MacLeod, Vancouver, British Columbia, Canada. Filed Sept. 8, 1921. Serial No. 499,129. 6 Claims. (Cl. 56—293.)



1. A cutting means for mowing machines, said means comprising a supporting bar horizontally projecting from and carried by the mowing machine, forwardly projecting fingers carried by the bar, a series of oscillating knife members all mounted in the same horizontal plane and each carried by a projecting finger, the knife members each having projections, said projections being bevelled to provide cutting edges, the knife members being arranged so that the bevels of the projections of successive knife members are oppositely directed that they may overlap, and means for oscillating all of the knife members simultaneously.

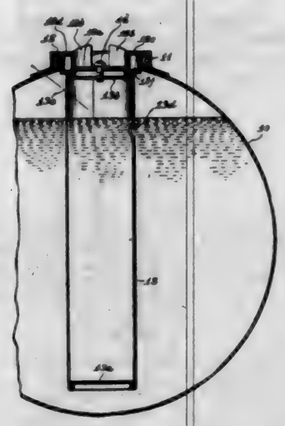
1,535,641. GAUGE. ERIK H. ALDERBORGH, Poughkeepsie, N. Y., assignor to C. E. Johansson, Inc., Poughkeepsie, N. Y., a Corporation of Delaware. Filed Jan. 15, 1924. Serial No. 686,326. 9 Claims. (Cl. 33—178.)



1. In a plug gauge, a handle, a gauge plug loosely fitted thereon and means for removably holding the plug in position, said means comprising a cross-pin passing through the handle and overlapping the inner end of the plug, and a screw engaging the outer end of the plug.

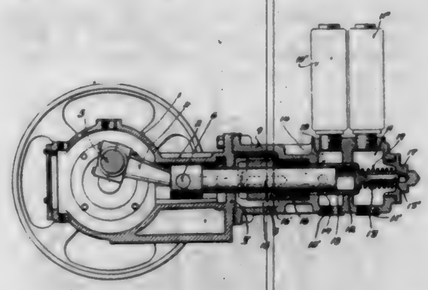
1,535,642. FUEL-RESERVE TANK. JOHN G. ARMKNECHT, Detroit, Mich. Filed Jan. 30, 1922. Serial No. 532,613. 10 Claims. (Cl. 158—46.5.)

1. A fuel reserve instrumentality for motor vehicle service and comprising a closure member for the filling opening of the fuel supply tank, and a fuel container secured to and depending from and movable with the closure, said container preventing filling of the supply tank when in normal position and having dimensions and a configuration to permit free passage through the filling opening, said container having a permanently closed bottom and having an opening in a longitudinally-extending wall thereof intermediate the opposite ends



of the container, the position of the opening being such as to approximately control the amount of the reserve charge, said opening forming the discharge port for the reserve charge.

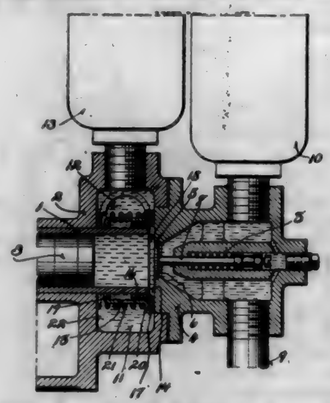
1,535,643. PUMP. JOHN ASTROM, Fort Wayne, Ind., assignor to Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Filed Nov. 23, 1922. Serial No. 602,801. 1 Claim. (Cl. 103—153.)



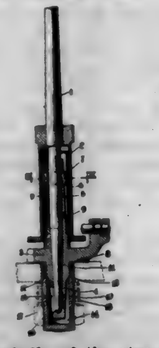
A pump comprising a housing having an intake chamber and a delivery chamber, said chambers being provided with outer walls, and said chambers being separated by a partition wall, a separate and distinct sleeve carried by said partition wall and projecting into said delivery chamber and extending completely through said intake chamber and into the outer wall of said intake chamber and forming a cylinder, said sleeve having a plurality of apertures therethrough opening into said intake chamber, a resiliently urged valve positioned within said delivery chamber and contacting with the outer end of said sleeve, and a plunger mounted for reciprocation within said sleeve and adapted to close said apertures on its delivery stroke, whereby the reciprocation of said plunger does not affect liquid in said intake chamber until the apertures in said sleeve are uncovered by said plunger.

1,535,644. PUMP VALVE. JOHN ASTROM, Fort Wayne, Ind. Filed June 16, 1924. Serial No. 720,373. 5 Claims. (Cl. 103—153.)

1. In a pump, the combination of a cylinder, a cylinder head spaced from the end of said cylinder and having a smooth face adjacent such end, a piston positioned within said cylinder, a valve having a cylindrical portion surrounding said cylinder and having a flange adapted to contact with the smooth surface of said cylinder head.

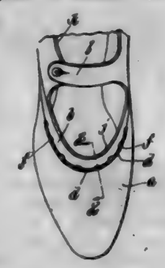


1,535,645. SPINNING AND TWISTING SPINDLE. EUGENE ATWOOD, Stonington, Conn., assignor to Atwood Machine Company, Stonington, Conn., a Corporation of New Jersey. Filed Mar. 9, 1922. Serial No. 542,349. 3 Claims. (Cl. 308—169.)



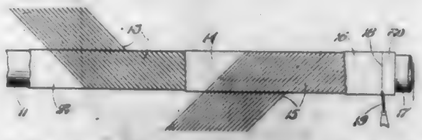
1. A self oiling spindle of the step and bolster type comprising a case having bolster and step bearing portions, a removable oil cup surrounding the step bearing portion, and a removable tube surrounding and spaced from the bolster bearing portion.

1,535,646. ORNAMENTED SHOE UPPER. WILLIAM F. BOSTOCK, South Braintree, Mass. Filed Dec. 17, 1923. Serial No. 681,138. 6 Claims. (Cl. 41—10.)



1. A shoe upper comprising a number of pieces stitched together, and a string of beads attached to, and extending along, an exposed edge of said upper.

1,535,647. CORD-TIRE STOCK AND METHOD OF MAKING SAME. JOSEPH B. BRENNAN, Orange, N. J. Filed Dec. 18, 1919. Serial No. 345,728. 5 Claims. (Cl. 154—2.)



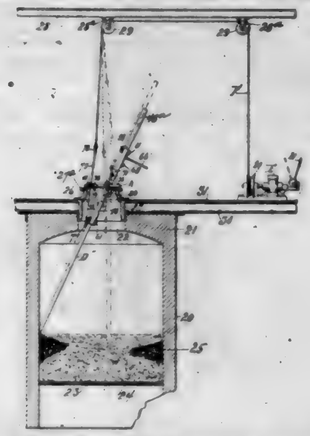
3. The method of making cord-stock for a pneumatic tire which consists in laying frictioned cords in parallel relation with each other about a cylindrical mandrel to form a layer and then cutting the layer into endless, seamless bands.

1,535,648. REMOVABLE SIDE WINDOW FOR AUTOMOBILES. JOHN FREDERICK BROMMER, New York, N. Y. Filed May 18, 1921. Serial No. 470,577. 3 Claims. (Cl. 296—85.)



1. The combination with an automobile body frame and its folding top frame, of removable rigid side windows for the rear seat, brackets carried by the body frame, having uprising branches forming sockets for receiving the bottoms of the windows, bolts passing through the branches and window bottoms for rigidly securing the windows in the sockets, and latches hinged to the top frame having spring clips for frictionally engaging the tops of the windows to yieldingly hold the windows in position, the spring clips being adjustable on the latches.

1,535,649. POWER DECLINKERING APPARATUS FOR GAS GENERATORS. GASTON A. BRONDER, Brooklyn, N. Y.; Lucia R. Bronder, administratrix of said Gaston A. Bronder, deceased, assignor of one-half to Thomas Costigan, New York, N. Y. Filed Aug. 11, 1920. Serial No. 402,877. 8 Claims. (Cl. 48—87.)



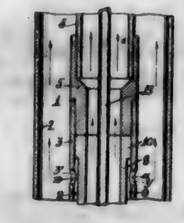
4. In a power declinkering apparatus for gas generators, the combination of a rotatable guide ring, an oscillating saddle pivoted to the ring, a pair of bar guides hinged to the saddle, a declinkering bar slidably supported in said bar guides, and means to reciprocate the bar in the guides.

1,535,650. COMBINED CORSET ANCHOR AND HOSE SUPPORTER. ETHEL D. BURTCHBY, Tulsa, Okla. Filed Dec. 17, 1923. Serial No. 681,208. 3 Claims. (Cl. 241—1.)



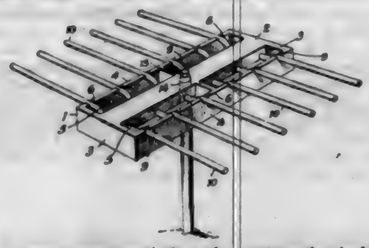
1. The combination with a corset, of a single open-ended limb-encircling band adapted to be positioned on the wearer below the knee, said band including a detachable pivotal connection between its ends, and a vertically disposed anchor strap for the corset arranged at the medial line of the side of the wearer and secured at its upper end to the corset and directly connected at its lower end to the band by a pivotal connection located at a point above said band connection.

1,535,651. AUTOMATIC OIL AND GAS SEPARATING PUMP. ALBERT M. CHRISMAN and JACK E. WELLS, Pacifico, Calif. Filed Dec. 6, 1924. Serial No. 754,347. 2 Claims. (Cl. 103—179.)



1. An oil and gas separating pump comprising a barrel adapted for suspension in a well; a liner within and spaced from said barrel, the space between the barrel and liner being closed above, and said barrel having ports through which the well communicates with the upper portion of said space; a coupling fitted to the upper end of the barrel and abutting against the upper end of the liner; a coupling fitted to the lower end of the barrel, said coupling having an inserted portion abutting against the lower end of the liner, said inserted portion having ports leading from the lower end of the space between the liner and barrel; a tail pipe having a closed foot, fitted to the lower end of the lower coupling and communicating with the ports in the inserted portion of said coupling; a tubular bottom shoe fitted interiorly to the upper portion of said lower coupling and spaced from the tail pipe; and pumping instrumentalities within the liner, intermediate the upper and lower ports, and comprising a standing valve assembly and suction pipe, carried by said bottom shoe, a plunger above said standing valve assembly and a traveling valve assembly associated with said plunger.

1,535,652. CAMP STOVE. CHESTER S. DEFENBAUGH, Oroville, Calif. Filed Apr. 14, 1924. Serial No. 706,862. 3 Claims. (Cl. 126—30.)

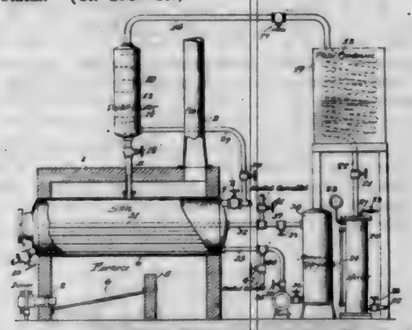


1. A camp stove consisting of a rectangular body having a longitudinal top, outer and inner flanges having registering recesses, and a series of bars having their ends bent to engage and lock in said recesses, and a supporting post engaging said longitudinal top.

1,535,653. HYDROCARBON-OIL TREATMENT. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Aug. 20, 1920. Serial No. 404,910. 3 Claims. (Cl. 196—35.)

3. A step in the process of refining oils which comprises subjecting cracked petroleum oil while in the presence of hydrochloric acid and communited earthy material to a distillation temperature.

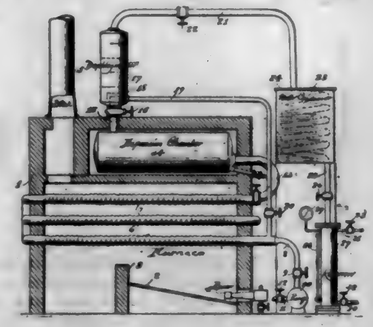
1,535,654. PROCESS FOR TREATING PETROLEUM OIL. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Sept. 18, 1920. Serial No. 411,339. 1 Claim. (Cl. 196—47.)



A process of dehydrating and subsequently cracking hydrocarbon oil consisting in introducing a supply of emulsified oil to a still, in subjecting the emulsified oil to a temperature in the still below the freezing point of water by passing a freezing agent through a closed coil located in the still and thereby causing the water and the oil to stratify, in withdrawing water from the oil and in applying heat to the oil by passing a heated gas through said closed coil while maintaining the oil under a superatmospheric vapor pressure to crack the oil in said still.

1,535,655. APPARATUS FOR TREATING OIL. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Oct. 8, 1920. Serial No. 415,637. 1 Claim. (Cl. 196—107.)

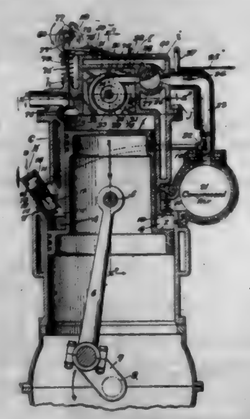
In an apparatus for cracking hydrocarbon oil, the combination with a furnace of a coil therein for the passage of oil, said coil consisting of a plurality of spirally corrugated tubes passing through the furnace and through which the oil must pass, a vapor chamber in communication with said tubes, a dephlegmator communicating with said vapor chamber, and a condenser communicating with said dephlegmator.



1,535,656. PROCESS FOR TREATING ACID-SLUDGE OILS. GUSTAV EGLOFF, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed May 16, 1921, Serial No. 470,034. Renewed Jan. 3, 1925. 3 Claims. (Cl. 23—173.)

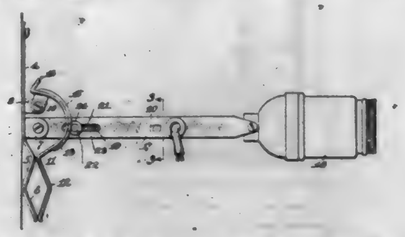
1. A process of treating acid sludge oils consisting in distilling said oil under a pressure, removing from the still as vapors the sulphuric and other acid constituents and certain light oils, condensing and then separating and collecting them.

1,535,657. METHOD OF AND MEANS FOR PRODUCING POWER FROM FUEL. ORVILLE H. ENSIGN, Pasadena, Calif. Filed May 8, 1917. Serial No. 167,847. 40 Claims. (Cl. 123—30.)



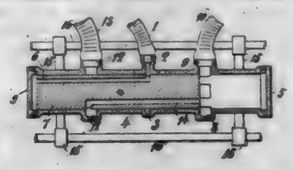
1. The method of producing power from fuel which consists in supplying separately and simultaneously to a confined space, compressed air and fuel at the same pressure, establishing a vortex in the admitted air current and utilizing the pressure drop of such vortex to establish and meter the fuel flow, combining and combusting the same in said space, and applying the product to the purpose set forth.

1,535,658. PORTABLE ELECTRIC-LIGHT FIXTURE. ELMER A. ERMOLD, Philadelphia, Pa., assignor to Wirt Company, Portland, Me., a Corporation of Maine. Filed June 27, 1923. Serial No. 647,986. 6 Claims. (Cl. 240—52.)



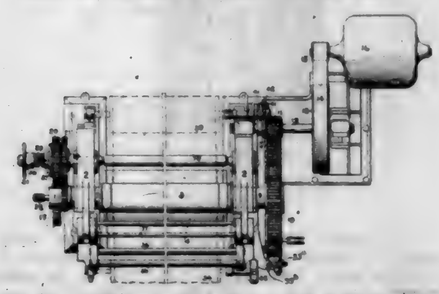
1. A device of the character described, comprising a base, a tubular arm pivoted to the base and adapted to carry a lamp, a plate carried by the base, and elastic means carried within the arm and engaging the plate for retaining the arm in approximately parallel relation relatively to the base.

1,535,659. FLUID-PRESSURE ENGINE. IVAR KÖBKE FOG, Copenhagen, Denmark. Filed Feb. 18, 1921. Serial No. 446,043. 4 Claims. (Cl. 123—2.)



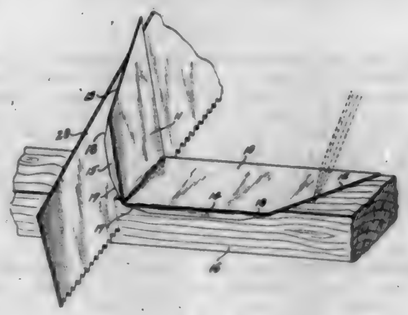
1. An engine or driving device comprising a cylinder, means for supplying driving fluid, alternately to the opposite ends of the said cylinder, means for exhausting said driving fluid when expended, a piston sliding freely in said cylinder and adapted to reciprocate therein under the influence of the driving fluid, said piston not being mechanically connected with any other part or parts of the engine and serving only as a recoil element and to compress the driving fluid alternately at opposite ends of the cylinder, and means independent of said piston for transmitting the power generated by the expansion of said fluid.

1,535,660. CALENDER FOR TEXTILE AND OTHER MATERIALS. THOMAS W. FRANCE, Providence, R. I., assignor to H. W. Butterworth & Sons Company, a Corporation of Pennsylvania. Filed Sept. 24, 1924. Serial No. 739,532. 7 Claims. (Cl. 26—89.)



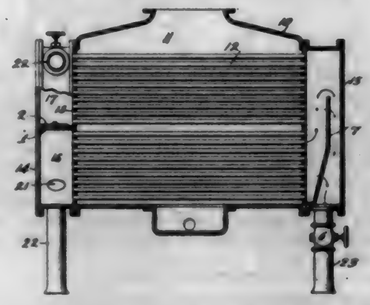
1. In a machine of the class described having a pair of calendering rolls normally rotating in contact, and means for momentarily moving the rolls out of contact for permitting of the passage of a transverse seam in the material being treated, combined with power means for positively rotating one of the rolls continuously at a predetermined surface speed, power means for rotating the other roll at a slightly different surface speed comprising a train of gearing for power transmission from and in accordance with the speed of the first mentioned roll and extending to and including the second mentioned roll and having therein automatic friction compensating means for permitting an automatic smooth change in surface speed of the second mentioned roll after pick up and under control of frictional resistance arising upon the said roll when in contact with the material and first mentioned roll.

1,535,661. SAW GUIDE AND SQUARE. JOHN J. GARRITY and JOHN F. BRADLEY, Bridgeport, Conn. Filed May 23, 1923. Serial No. 640,897. 4 Claims. (Cl. 143—86.)



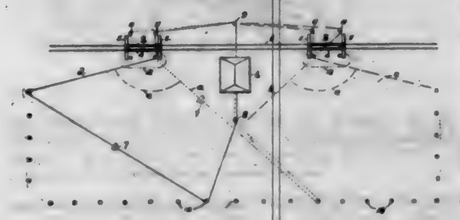
1. A tool comprising a body having two portions arranged at an angle to each other in different planes, and flanges adjacent the lateral side edges of both said portions and extending longitudinally thereof, the flanges of each portion extending in a direction away from the other portion.

1,535,662. SURFACE CONDENSER. JOHN F. GRACE, Kearny, N. J., assignor to Worthington Pump & Machinery Corporation, a Corporation of Virginia. Filed Mar. 24, 1923. Serial No. 627,265. 3 Claims. (Cl. 257—43.)



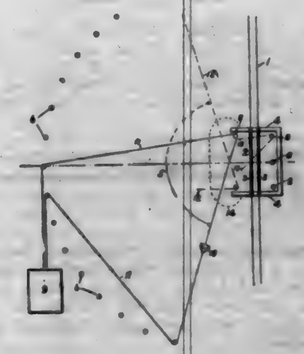
1. A surface condenser comprising a steam space traversed by cooling tubes, a combined inlet and discharge head at one end of the tubes, a return flow head at the other end of the tubes, a valved discharge connection on the discharge portion of the combined inlet and discharge head, a valved discharge connection on the return flow head, and a valved diaphragm dividing the combined inlet and discharge head.

1,535,663. DRAG-SCRAPER EQUIPMENT. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 9, 1924. Serial No. 685,141. 1 Claim. (Cl. 214—10.)



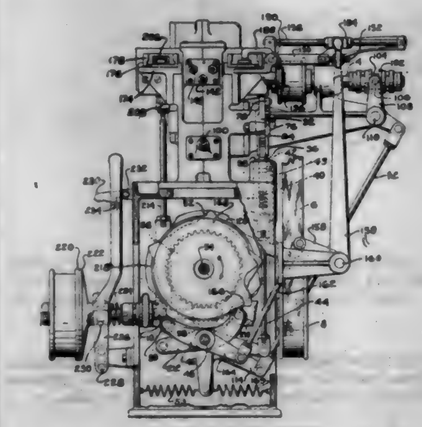
Drag scraper equipment comprising an elevated railway line, spaced dumping spans interposed in the line, a yard situated in front of the line and comprising two contiguous storage areas with space between them and the line, a powerhouse located in said space, front and back guide pulleys operatively arranged in respect to the powerhouse and respectively located front and back of the line, a front block structure bounding the yard and common to each storage area and said structure co-operating with the front guide pulley, and a back block structure disposed at the back and front and ends and under each dumping span and each said back block structure co-operating with the back guide pulley.

1,535,664. DRAG-SCRAPER EQUIPMENT. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1924. Serial No. 686,721. 2 Claims. (Cl. 214—10.)



1. Drag scraper equipment for railway dumping spans and their storage yards comprising a block structure located under the span and arranged at the ends and back portion thereof to provide for taking material from under the span and to command a large storage area.

1,535,665. MACHINE FOR SHARPENING BLADES. FERDINAND G. HENRY, New York, N. Y., assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y., a Corporation of New York. Filed Aug. 30, 1920. Serial No. 406,896. 18 Claims. (Cl. 51—96.)



2. A machine of the class described, having in combination blade sharpening means, a blade holder having blade gripping jaws for engaging opposite lateral faces of the blades, a guideway through which the blades are delivered to the blade holder, means for moving the blade holder into position to receive the blades from said guideway, and means for opening and closing the blade gripping jaws.

1,535,666. SHOULDER STRAP FOR WEARING APPAREL. ALBERT A. HODGKINS, Bridgeport, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 13, 1922. Serial No. 587,946. 3 Claims. (Cl. 241—12.)

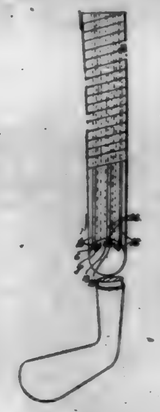


1. A woven shoulder strap for wearing apparel of substantially even width with its edges parallel with the warp of the cloth and longer on one side than on the other so that when attached at substantially right angles to the horizontal line of the garment as worn it will be higher on the inner side than the outer and thus lie flat on the shoulder.

1,535,667. GOLF-CLUB SHAFT OR HANDLE. ARCHIBALD B. HORNE, Springfield, Mass. Filed Dec. 19, 1922. Serial No. 607,916. 5 Claims. (Cl. 273—81.)

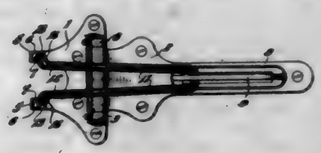
3. An article of manufacture comprising a golf club shaft of wood and formed with grooves therein, the

inner or bottom portions of which are greater in extent than the outer or top portions, fibrous inserts in the



grooves for strengthening the shaft, and conforming to the cross sectional area of the grooves, and an adhesive substance for securing the inserts in the grooves.

1,535,668. HINGE. THEODORE A. JOSTEDT, St. Louis, Mo., assignor to Harry L. Hussmann Refrigerator & Supply Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 4, 1924. Serial No. 704,139. 7 Claims. (Cl. 16—138.)



1. A door hinge, comprising, a butt, a strap connected thereto by a hinge pin, and a stop yieldingly pivoted to said butt and connecting said butt and said strap adapted to limit the movement of the door in two directions.

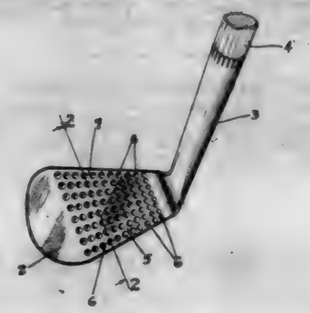
1,535,669. NECKTIE. MICHAEL C. KELLY, Minneapolis, Minn. Filed Jan. 4, 1924. Serial No. 684,356. 8 Claims. (Cl. 2—146.)



6. A four-in-hand tie or similar article having its longitudinal center line extending at a bias of 45 degrees relatively to the goods, whereby the length of the warp thread passing through any point in said center line is the same as that of the woof thread passing through the same point and twisting of said tie is prevented.

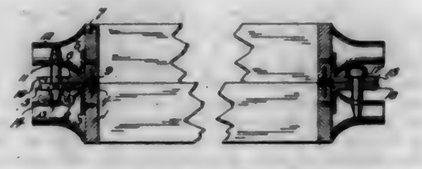
1,535,670. GOLF CLUB. WILLIAM KIDD, Minneapolis, Minn. Filed May 24, 1923. Serial No. 641,135. 4 Claims. (Cl. 273—77.)

4. As a new article of manufacture, a golf club head having a metallic striking face provided with a group of depressions or recesses extending into the club head and forming a series of suction pockets and preventing slid-



ing or skidding of the ball thereon when struck and flattened by the club.

1,535,671. FLASK PIN. REINHOLD KORNER, Milwaukee, Wis. Filed Mar. 17, 1924. Serial No. 699,822. 1 Claim. (Cl. 22—110.)



The combination of a flask composed of separable members, each of said members having brackets with the brackets of one member located opposite the brackets of the other member, dowel pins cooperating with said brackets to align the members of the flask, one of said brackets having a narrow elongated slot and the opposed bracket having a wider and shorter slot, the dowel pin associated with the slotted brackets comprising a cylindrical body portion adapted to be positioned in said wider slot and having a reduced threaded portion adapted to be positioned in the narrow slot, and a clamping nut threaded upon said reduced portion.

1,535,672. CASEMENT ADJUSTER. HENRY S. LOCKWOOD, South Norwalk, Conn., assignor to The Lockwood Manufacturing Company, South Norwalk, Conn., a Corporation of Connecticut. Filed Sept. 8, 1921. Serial No. 499,225. 6 Claims. (Cl. 292—275.)

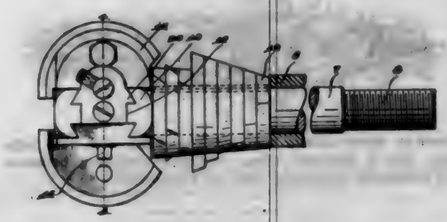


1. A casement adjuster comprising a tube open at both ends, a rod slidable within the tube through one end thereof and having frictional sliding engagement therewith, and means accessible through the other end of the tube for varying the amount of friction between the two elements.

1,535,673. MACHINE FOR TURNING IRREGULAR OBJECTS. HENRY F. LOEWER, Rochester, N. Y. Filed Aug. 8, 1923. Serial No. 656,321. 7 Claims. (Cl. 144—218.)

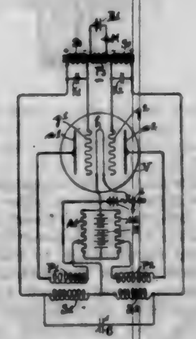
1. A machine for turning irregular objects having a rotary cutting tool with an arc shaped cutting edge, the

radius of which is of greater length than the distance between the center of the arc and the center of the axis



of rotation of the tool and means permitting the adjustment of the cutters on lines extending transversely of the axis of rotation of the tool.

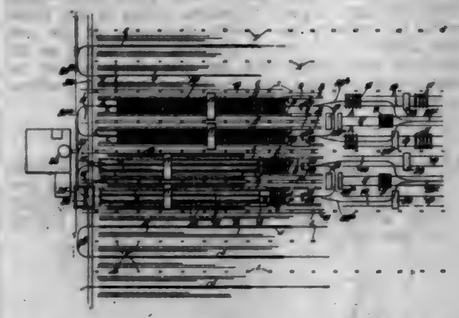
1,535,674. APPARATUS FOR PRODUCING OSCILLATIONS. DAVID G. MCCAA, Lancaster, Pa., assignor of one-half to Cornelius D. Ebret, Philadelphia, Pa. Filed Jan. 12, 1921. Serial No. 436,668. 9 Claims. (Cl. 179—171.)



1. The combination with a plurality of thermionic devices having anode and grid circuits, a pair of primary coils subjected respectively to the different anode circuits, a pair of secondary coils subjected respectively to the different grid circuits and inductively related to said primary coils, capacity shunting one of said pairs of coils and cooperating in the production of oscillations, said coils being so related that normally no oscillations are produced, and means for simultaneously varying the potentials of the grids of said devices in such senses as to cause production of oscillations.

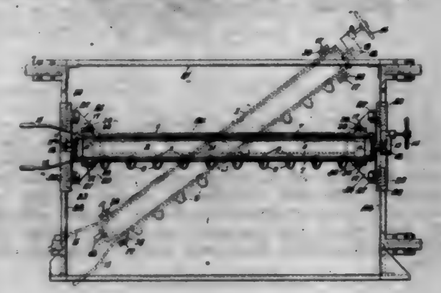
1,535,675. PIPE-FOUNDRY PLANT. JAMES R. MCWANE, Birmingham, Ala. Filed May 12, 1923. Serial No. 638,639. 18 Claims. (Cl. 22—20.)

1. A foundry plant comprising a plurality of units defined by rows of upright beams, two pairs of spaced rails constituting tracks arranged longitudinally in pairs between the rows of beams and spaced from the same, rows of flasks arranged in longitudinal piles in the spaces between the beams and the pairs of tracks, supports for transversely arranged flasks arranged in the space between the pairs of tracks, a pile or piles of sand also arranged longitudinally in the space between the two pairs of tracks, and overhead means for trans-



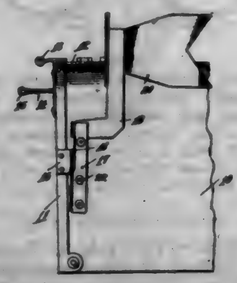
ferring the flasks from the several rows onto said supports transversely and progressively along and between the tracks as the sand is used in filling the flasks.

1,535,676. APPARATUS FOR CASTING PIPE OR THE LIKE HORIZONTALLY. JAMES R. MCWANE, Birmingham, Ala. Filed May 12, 1923. Serial No. 638,640. 20 Claims. (Cl. 22—82.)



1. A multiple-lipped ladle provided with trunnions at the ends, and swiveled hangers mounted on the trunnions and adapted to be connected with and disconnected from lifting means.

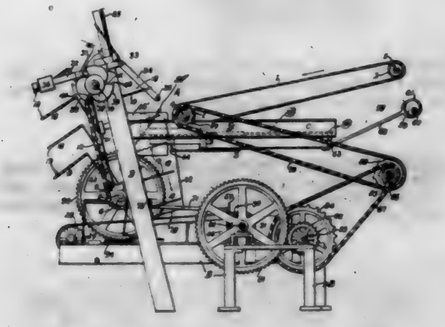
1,535,677. MAIL-BOX SIGNAL. JOHN B. MASSBANG, Belleville, Ill. Filed Jan. 7, 1924. Serial No. 684,846. 3 Claims. (Cl. 232—35.)



3. The combination with a mail box and its door, with means for releasably holding the door in closed position, of a signal including a bracket formed from a longitudinally folded plate secured to the side of the box and having an opening in the fold thereof, a sub-

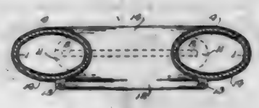
stantially Z-shaped arm having its intermediate portion pivotally mounted within the folded plate and having one end movable through the opening, the other end of the arm carrying an angularly bent signal plate visible from two right angular directions, means in the folded plate for limiting the pivotal movement of the arm into elevated and lowered positions, and means on the door for engagement with the first-named end of the arm for maintaining the arm in its different positions until the door is opened.

1,535,678. STACKING MACHINE. JOHN E. MILLER, Marseilles, Ill., assignor to Certain-teed Products Corporation, St. Louis, Mo., a Corporation of Maryland. Filed Oct. 8, 1923. Serial No. 667,223. 21 Claims. (Cl. 198—35.)



1. A stacking machine comprising a conveyor to which the articles to be stacked are delivered individually, continuously operated means arranged adjacent to the discharge end of said conveyor, pivoted receptacles associated with said continuously operated means to each of which a predetermined number of said articles are delivered by said conveyor, and means adapted to receive said articles from said pivoted receptacles in stacks.

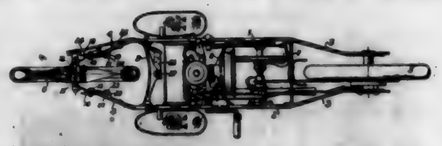
1,535,679. PNEUMATIC HORSE COLLAR. JAMES ANDREW NEELY, Waimate Township, Canterbury, and ROBERT PERCIVAL HENRY, Glenavy, near Waimate, New Zealand. Filed July 17, 1924. Serial No. 726,588. 5 Claims. (Cl. 54—19.)



4. A pneumatic horse-collar, comprising in combination, an inflatable tube, a collar-casing adapted to contain said tube, said casing being composed of strips of rubberized canvas wound in successive layers and coated externally with a layer of rubber, and a rib of hard rubber and canvas formed integral with said casing and extending around the front external surface thereof.

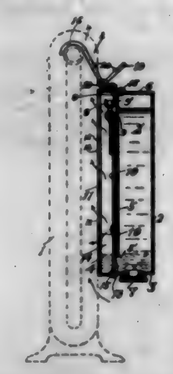
1,535,680. MOTOR CYCLE. CARL A. NERACHER, Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation, a Corporation of New York. Filed Apr. 18, 1919. Serial No. 290,979. 2 Claims. (Cl. 208—114.)

1. A motor-cycle having a frame including a pair of substantially horizontal side bars spaced apart, a pair of levers each pivotally attached at a point intermediate its ends to one of said side bars near the forward end thereof, resilient means connected with the rear ends of the lever and with the frame tending to hold said



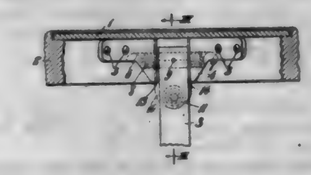
levers in substantially forward alignment with said side bars, and a steering wheel rotatably mounted between the forwardly extending ends of said levers.

1,535,681. DEVICE FOR SUPPLYING MOISTURE. OTTO B. OLMSTEAD, Springfield, Mass. Filed Apr. 4, 1924. Serial No. 704,201. 4 Claims. (Cl. 237—78.)



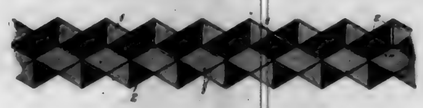
4. An air moistening device comprising a water receiving receptacle formed with an outlet in a side wall thereof, a water receiving compartment formed adjacent the opening, a fabric having its lower end suspended in the water receiving compartment, to take up the water in the compartment, means for detachably supporting the fabric comprising a rod formed withinwardly extending hook-shaped ends, brackets open at their upper ends in which the said hook-shaped ends are placed to permit their removal and the removal of the fabric, means for suspending the device on a radiator, and lattice means attached to the receptacle and spaced from the fabric to prevent the moistened fabric from coming into contact with the hot surface of a radiator.

1,535,682. FOLDING TABLE. RUTHERFORD H. PLATT, Jr., Garden City, N. Y. Filed Apr. 25, 1923. Serial No. 634,511. 9 Claims. (Cl. 45—48.)



1. A folding table comprising a top, foldable legs therefor, and means for pivoting the legs to the top, operable to bring the legs bodily laterally with respect to their swinging movement into frictional engagement with the tops as the legs are unfolded.

1,535,683. BRAID FOR HATS. EDWARD M. POONS, New York, N. Y. Filed Oct. 19, 1922. Serial No. 595,688. 1 Claim. (Cl. 96—25.)



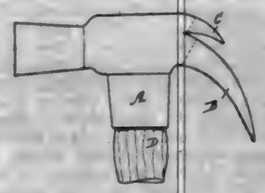
A braid comprising plaited strands of straw and bamboo leaf in their natural or undyed state.

1,535,684. AUTOMOBILE CLOCK. WILSON E. PORTER and RICHARD H. WHITEHEAD, New Haven, Conn., assignors to New Haven Clock Co., New Haven, Conn. Filed May 2, 1924. Serial No. 710,517. 4 Claims. (Cl. 58—46.)



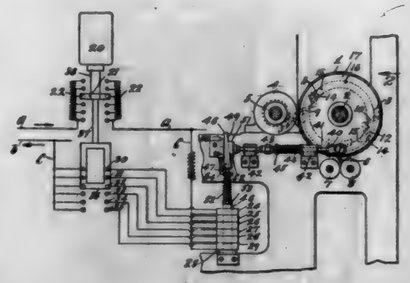
1. In an automobile clock, the combination with the main-spring thereof, of a barrel therefor, a ratchet-wheel carried thereby and having a bearing-shoulder, a rocking winding-lever mounted at its inner end directly upon the said shoulder of the said wheel, a pawl carried by the lever and engaging with the said wheel, and a checking-pawl engaging with the wheel for preventing the reverse movement thereof.

1,535,685. CLAW-HAMMER HEAD. LEON ORMOND RANDELL and REGINALD HARVEY RAPLY, Glenmore, Auckland, New Zealand. Filed June 9, 1924. Serial No. 718,933. 1 Claim. (Cl. 254—26.)



A claw hammer head provided with a main claw projecting from one end thereof, and also constructed with a smaller and auxiliary claw which projects from the same end and in the same direction as the main claw; said auxiliary claw being located at the base of the main claw but at the opposite side thereof from the handle socket, so that it forms a fulcrum whereon the head directly rocks when the main claw is engaged in extracting a large nail.

1,535,686. FOLDING MECHANISM. OSCAR C. ROSSEN, Brooklyn, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed May 6, 1924. Serial No. 711,348. 15 Claims. (Cl. 270—11.)



1. The combination with a printing machine and means for driving it, of a folding cylinder, sheet taking devices carried thereby, means for actuating the devices to take and release a sheet, and means controlled from the driving mechanism of the machine for varying the time of operation of the actuating devices as the machine speed varies.

1,535,687. PROCESS FOR REFINING ZIRCONIUM-CONTAINING ORES AND OTHER PRODUCTS CONTAINING DIOXIDE OF ZIRCONIUM. OTTO RUFF, Breslau, Germany. Filed Feb. 2, 1923. Serial No. 616,615. 5 Claims. (Cl. 75—17.)

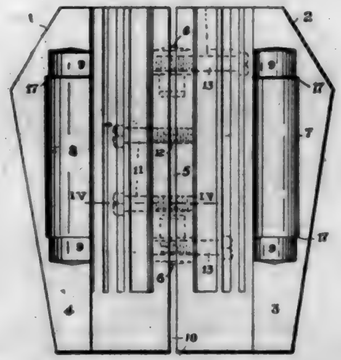
1. The process of refining zirconium containing ores or products containing dioxide of zirconium, which comprises heating the same with a haloid salt of zirconium or with materials forming such haloid salt, at a temperature sufficient to vaporize the resultant haloid salts of the contaminating elements.

1,535,688. ENGINE PRESSURE REGISTER. JOSEPH F. SAUER, Chico, Calif. Filed Dec. 19, 1921. Serial No. 523,597. 5 Claims. (Cl. 116—70.)



3. An engine pressure register comprising a bored base member adapted to be fitted into an engine cylinder-head, a tube closed at both ends projecting into the base and spaced from the inner walls thereof while sealed therewith at the top, incisions in said tube opening to the atmosphere and to the interior of the base respectively, and a restricted passage formed in the tube between the two incisions, the distance from one incision to the adjacent end of the tube being different from the other incision to its adjacent end of the tube.

1,535,689. DRILL-PIPE SLIP. FREDERICK J. SCHWIMMER, Toledo, Ohio, assignor to The National Supply Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 16, 1924. Serial No. 744,018. 4 Claims. (Cl. 24—263.)



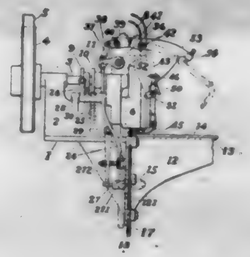
3. Two consecutive slip segments, a central hinge member connected to one segment and having holes at its ends, end hinge members having studs in the said holes, and bolts connecting the end hinge members to the remaining segment.

1,535,690. METHOD OF CASTING HOLLOW CONCRETE MASONRY. FREDRIK SELMER, Christiania, Norway. Filed May 7, 1923. Serial No. 637,321. 2 Claims. (Cl. 25—131.)



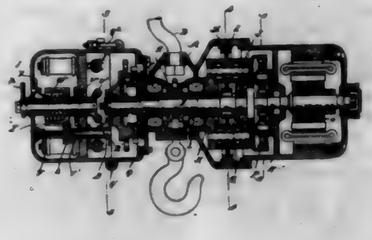
1. A method of casting hollow concrete masonry which consists in the successive steps of arranging in a mold reinforced concrete stay members having laterally extending end portions provided with perforations; inserting reinforcing rods through the perforations of said end portions; and casting the inner and outer walls around said end portions and said reinforcing rods, whereby the total width of the hollow masonry is determined by the lateral distance between the outer faces of the end portions.

1,535,691. TAGGING MACHINE. FRANK R. SHAW, East Bridgewater, Mass., assignor, by mesne assignments, to Hayes-Fay Laboratories, Inc., Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1922. Serial No. 569,918. 10 Claims. (Cl. 93—01.)



2. A machine of the kind described comprising a disk adapted to carry string about its periphery, means for imparting an intermittent semirotation to said disk, and means located to move across the plane of said disk to draw a loop of string therefrom at an angle to said plane.

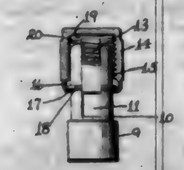
1,535,692. AUTOMATIC STOP MECHANISM FOR POWER HOISTS. WILLIAM E. SIMPSON, Detroit, Mich., assignor to Palmer-Bee Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 19, 1919. Serial No. 345,976. 4 Claims. (Cl. 192—142.)



1. A stop mechanism for hoists, comprising a controlling switch, mechanism for throwing said switch including a driven gear wheel, a driving gear wheel in mesh with and having its axis parallel to that of said driven gear wheel said driving gear wheel being longitudinally slidable in mesh with said driven gear wheel, a screw threaded shaft on which said driving gear wheel is mounted for causing the longitudinal movement thereof upon the rotation of said shaft, and a stop for limiting the longitudinal movement of said driving gear wheel upon said shaft to cause the rotation of said driving gear wheel with the shaft and the rotation of said driven gear wheel and the actuation of said switch.

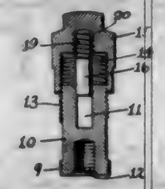
1,535,693. BINDING POST. OSCAR A. SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 2, 1922. Serial No. 558,013. 10 Claims. (Cl. 173—259.)

1. A binding post having a body provided with a transversely slotted portion, a slide shiftable in the slot thereof, and a rotatable sleeve on said body, said body and sleeve having cooperating means for preventing any other than slight longitudinal movement of the



sleeve during the rotation thereof and said sleeve and slide having cooperating means for reciprocating the slide on the rotation of the sleeve.

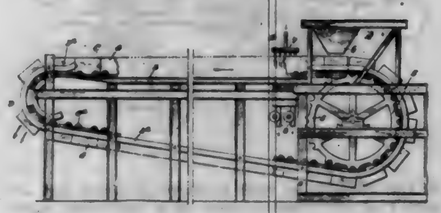
1,535,694. BINDING POST. OSCAR A. SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 2, 1922. Serial No. 558,014. 15 Claims. (Cl. 173—259.)



3. A binding post comprising a slotted body, a gripping slide movable in the slot of the body, and a sleeve, and means connecting the sleeve to the body and slide so that the rotation of the sleeve will cause the slide to travel a greater longitudinal distance and faster than the sleeve.

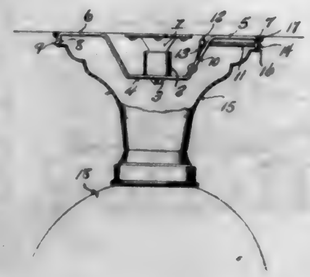
7. A binding post comprising a slotted body having exterior threads, a reciprocating slide in the slot of the body and having an exteriorly threaded portion, a rotatable cap threaded on to the body by one kind of thread and on to the slide by a different kind of thread.

1,535,695. GRATE BAR FOR SINTERING MACHINES AND THE LIKE. HUBERT L. SPENCE, Cleveland, Ohio, assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Nov. 17, 1922. Serial No. 601,515. 6 Claims. (Cl. 266—21.)



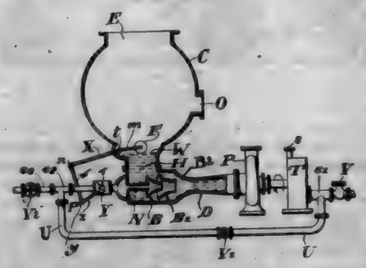
1. In grate bars for sintering machines and the like, a traveling support upon which the grate bar is mounted, means for holding the grate bar in position on the support during dumping operations, said grate bar having strips of metal running from the points of support toward the central portion of the sides of the bar so as to permit the transmission of stresses direct from the point of application to the point of support, and apertures between said strips for the passage of gases through the grate bar.

1,535,696. CEILING-COLLAR-ATTACHING MEANS. PETER W. SPERCHER, Milwaukee, Wis. Filed Dec. 13, 1923. Serial No. 680,420. 1 Claim. (Cl. 240—85.)



An electric fixture adapted to be supported from a fixed stem, said fixture comprising a transversely extending strap apertured for attachment to said stem, and having upwardly and outwardly extending arms on opposite sides of said stem, one of said arms having a fixed projecting tongue at its outer end, the other of said arms being apertured, a plunger slidably carried in the apertures of such arm and having an enlarged head located on the inner side of such arm, a leaf spring secured to such arm and yieldingly pressing against said head, and a canopy having apertures for the reception of said tongue and said plunger.

1,535,697. AUXILIARY APPARATUS FOR CONDENSERS. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 26, 1922. Serial No. 556,719. 39 Claims. (Cl 230—13.)

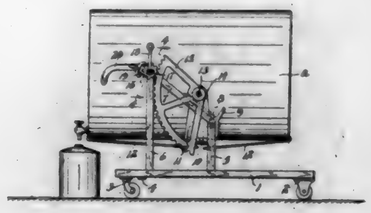


1. The combination with a condenser, of a receptacle for the condensate therefrom, an ejector employing elastic motive fluid and comprising divergent nozzle structure and diffuser structure having their outlet and inlet, respectively, disposed within said receptacle, and guide tube structure disposed between said nozzle and diffuser structures and having its inlet and outlet submerged in the condensate.

1,535,698. BARREL-HANDLING DEVICE. FRANK H. SWANSON, Maple Plain, Minn. Filed Dec. 6, 1923. Serial No. 676,872. 5 Claims. (Cl. 248—58.)

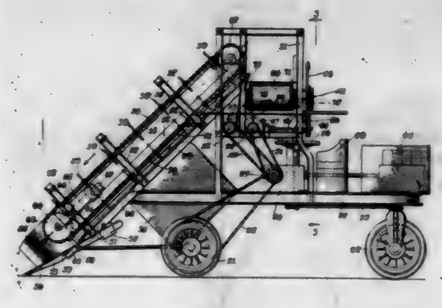
1. A barrel handling device having in combination, a yoke adapted to embrace the barrel adjacent the center thereof, means connected to said yoke clamping the ends of said barrel, said yoke having supports at each

side thereof, a frame, eccentric members carried by said frame in which said supports are carried, a gear segment secured to one of said members, a pinion journaled



on said frame engaging said segment, and means for turning said pinion to raise and swing said yoke, clamping means and barrel.

1,535,699. LOADING APPLIANCE. CHARLES L. TALBOT, Chicago, Ill. Filed Nov. 10, 1921. Serial No. 514,125. 8 Claims. (Cl. 37—110.)

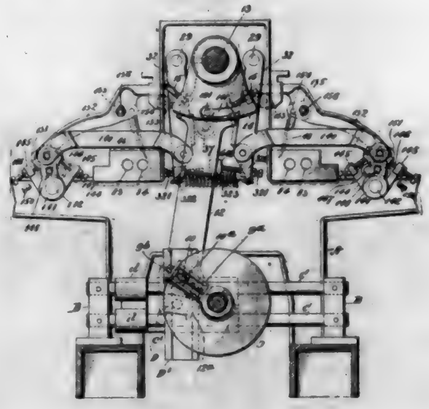


1. In a loading appliance of the character described, the combination of a motor-vehicle, a scoop at the front of said vehicle, an inclined chute associated with and adapted to receive the contents of the scoop, upper and lower sets of sprocket-wheels, sprocket-chains coacting with said sprocket-wheels, blades on said chains adapted to push the load up the chute, means to rotate said sprocket-wheels, tracks supporting the lower stretches of said sprocket-chains whereby to prevent drag of the blades on the chute, a cross conveyor receiving its load from said chute and adapted to deliver it to one side of the vehicle, and means to connect said cross conveyor and said sprocket-wheel rotating means with the driving mechanism of the motor-vehicle.

1,535,700. SELECTIVE PHOTOGRAPHIC HARDENING. LEONARD T. TROLAND, Malden, Mass., assignor to Kalmus, Comstock & Wescott Inc., Boston, Mass., a Corporation of Massachusetts. Filed Sept. 13, 1922. Serial No. 588,086. 20 Claims. (Cl. 95—88.)

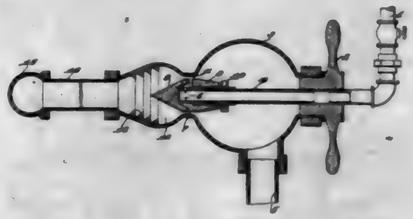
1. A composition for treating light-sensitive film having exposed and unexposed portions which is constituted essentially of a hardener for hardening one of said portions, a fixed alkali accelerator and a salt of a weak base.

1,535,701. COMBING MACHINE. HARRY TUNSTALL, Fair Haven, Mass., assignor to Alsatian Machine Works, Limited, Boston, Mass., a Corporation of Massachusetts. Filed Nov. 14, 1923. Serial No. 674,709. 5 Claims. (Cl. 19—118.)



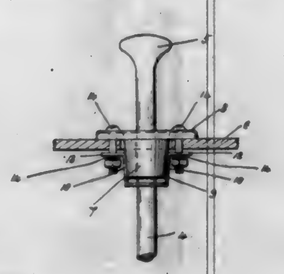
2. In a machine of the kind described having detaching rolls, a rockable shaft, a horizontally-movable top comb frame and connections between said shaft and said frame whereby said frame will be moved towards and from said detaching rolls, and means for rocking said shaft comprising a pendulum and means for swinging it and adjustable connections between said frame and said rockable shaft whereby the rocking of said shaft and the forward throw of said frame may be adjusted, and means for adjustably limiting the rearward throw of said frame.

1,535,702. LIQUID-FUEL BURNER. GEORGE W. WALSH, Boston, and BLAINE SWEATT, Everett, Mass., assignors, by mesne assignments, to said Walsh. Filed Feb. 15, 1924. Serial No. 693,100. 2 Claims. (Cl. 158—75.)



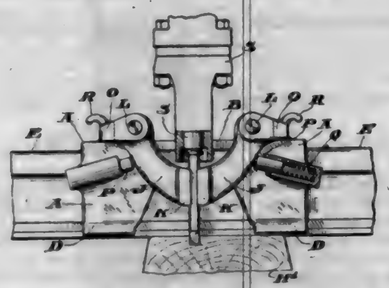
2. The combination with a source of liquid fuel and a source of low-pressure steam of a liquid-fuel burner comprising a vessel constituting a steam-expansion chamber connected to said source of low-pressure steam, a fuel conduit passing through said expansion chamber and connected to said source of liquid fuel, said expansion chamber being provided with an annular outlet co-axial with said conduit and said annular outlet having a cross-sectional area very small compared to that of said expansion chamber, a member on the outer end of said conduit, and a member adjustable longitudinally along said conduit intermediate the ends thereof and separated from the first mentioned member to form therewith a narrow disc-shaped chamber of variable width co-axial with said annular outlet and having its plane at right angles to the axis thereof, said fuel conduit being provided with an outlet communicating with said narrow disc-shaped chamber, whereby the steam flowing from said expansion chamber acquires to high velocity as it passes the periphery of the thin disc of liquid fuel formed in said disc-shaped chamber and atomizes the same.

1,535,703. ROD HOLDER. ROYAL ALTON WATERMAN, Grand Rapids, Mich. Filed June 16, 1924. Serial No. 720,471. 3 Claims. (Cl. 74—39.)



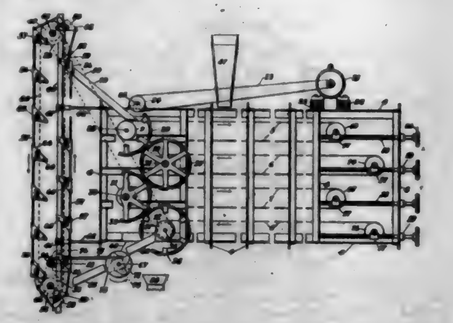
1. A rod holder, comprising a tapered block of elastic material adapted to bear on the rod, a fastening plate, a plate channel-shaped in cross-section and arranged to straddle the said block, and bolts connecting the two plates and operating to contract the said block upon the rock.

1,535,704. SPIKE-HOLDING DEVICE. RUSSELL H. WILHELM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 24, 1924. Serial No. 757,824. 5 Claims. (Cl. 1—47.)



5. In a spike holding device, a saddle comprising a base, a depending flange to cooperate with a side of the rail and a pair of depending guide plates to cooperate with a rail-flange for supporting the device in an operative position upon the rail, a pair of arms mounted pivotally to one face of the saddle, said arms having recessed jaws at one end to receive and guide a spike and lugs at another end to limit the movement of the arms in one direction, and spring pressed plungers co-acting against the arms to return the jaws to a normally closed position.

1,535,705. PROOFER. CARL D. WILKE, Beatrice, Nebr. Filed July 23, 1923. Serial No. 653,151. 8 Claims. (Cl. 198—85.)



8. In a proofer, an endless belt conveyer having longitudinally disposed surface areas for loaves to stand on, in combination with means, including a like conveyer, for continuously transferring a procession of loaves in single file from one of these areas to another.

1,535,706. EDUCATIONAL DEVICE. JAMES B. WOOSTER, Buffalo, N. Y. Filed Feb. 7, 1924. Serial No. 691,082. 4 Claims. (Cl. 35—2.)



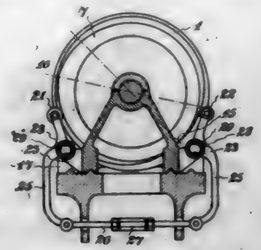
1. A device of the character described comprising a body composed of a plurality of separably assembled segments, a supporting core fitted centrally within said body and having a flange projecting from its upper end, each segment having a recess to take over said flange whereby the segment is held against lateral displacement, and releasable means co-operating with the core and the segments to hold the segments against axial displacement.

1,535,707. GOLF CLUB. HEFFRON BARNES, New York Mills, N. Y. Filed Oct. 29, 1920. Serial No. 420,514. 2 Claims. (Cl. 273—79.)



1. In a golf club, a head, a shaft, said shaft being pivotally mounted to said head, said head having formed thereon a plurality of walls with sockets therebetween, said shaft having a plurality of tongues formed thereon, said tongues adapted fit within said sockets, recesses made in said tongues and walls, a bolt adapted to fit within said recesses, and a thumb net screw mounted to said bolt, whereby to bind the tongues and walls to hold the head in given adjusted position with reference to said shaft, and a washer for holding the thumb nut away from the surface of the head.

1,535,708. COPYING LATHE. JULES AXEL RUTGER BENNET, Lund, Sweden. Filed Apr. 28, 1923. Serial No. 635,360. 3 Claims. (Cl. 82—19.)



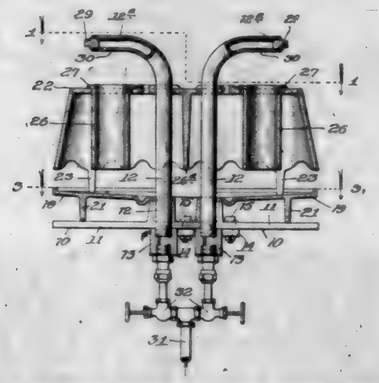
1. A copying lathe comprising a main former, a guiding member cooperating therewith, a counter-former, a second guiding member cooperating with the counter-former and connected with the first mentioned guiding member to move uniformly with the latter in the rotation of the main former and counter-former, the counter-former having a form of such a relation to that of the main former that the sum of the distances between the poins of contacts of the two guiding members upon the main former and counter-former and the axis of rotation is always constant, a head stock for the lathe, a cross slide for the lathe, double arm levers pivotally mounted on the fast head stock of the lathe for supporting the guiding members, an adjustable member connecting said levers, and means fixed to the levers for transmitting movement to the cross slide of the lathe.

1,535,709. COAGULANT FOR PURIFYING WATER AND PROCESS OF PURIFYING WATER, THEREWITH. LEVIS MILLER BOOTH, Plainfield, N. J. Filed Oct. 29, 1918. Serial No. 260,171. 11 Claims. (Cl. 210—23.)

1. A dry coagulant for purifying water composed of a mixture of dry mono-carbonate of calcium and dry metallic sulphate adapted to be fed as a mixture in the dry state to the water.

9. The process of purifying water which comprises mingling commercial mono-carbonate of calcium with an acid metallic salt which will not re-act therewith when in a dry state and then feeding the dry mixture to the water to be treated.

1,535,710. OIL BURNER. ALBERT W. BREIDING, Sterling, Ill. Filed July 30, 1923. Serial No. 654,666. 4 Claims. (Cl. 158—66.)



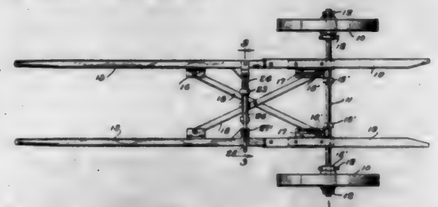
1. An oil burner comprising a hollow dome open at the bottom, a tube extending downwardly from the top of the dome, an oil pipe passing through said dome and having an orifice discharging downwardly into said tube, means for controlling the flow of fuel through said orifice, and a plate held some distance below the bottom of said dome, said dome resting upon said plate and having an opening through which said tube and oil pipe pass, said tube being removable therefrom to permit said oil pipe to pass through the opening.

1,535,711. MANUFACTURE OF ELECTRIC CABLES. ERNEST A. BAYLES, Helsby, England, assignor to British Insulated & Helsby Cables Limited, Prescot, England (a Limited Liability Company registered under the laws of England). Filed Apr. 10, 1924. Serial No. 705,699. 1 Claim. (Cl. 173—264.)



The manufacture of electric cables by initially covering the cores with rubber, covering the same with tape, laying up together the said taped cores, wrapping these cores together as a cable by tape windings, enclosing the cores in an outer rubber covering, and subjecting the cable to vulcanization in a manner to fully vulcanize the outer rubber covering while avoiding undue vulcanization of the initial rubber covering.

1,535,712. TRUCK. ALLEN J. BECKER, Upper Montclair, N. J. Filed Nov. 19, 1923. Serial No. 675,488. 1 Claim. (Cl. 280—53.)



A carboy supporting truck, comprising an axle, a pair of wheels supporting the axle, a pair of levers straight in plan, angular in side elevation, and mounted at their angles to pivot and slide on the axle, the ends of said bars in front of the axle being relatively short as compared to the other ends of the bars, the said shorter ends adapted to receive a carboy and said longer ends constituting handles, lazy tongs connecting the bars and maintaining them in parallel relationship in all positions of adjustment, and means connecting the bars and automatically locking them against movement away from each other but permitting their adjustment toward each other.

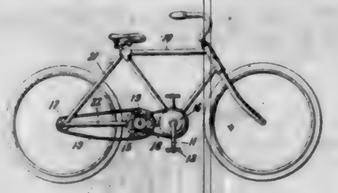
1,535,713. FOLDING BRACE. NADINE BELDEN, Oakland, Calif. Filed July 25, 1923. Serial No. 653,788. 1 Claim. (Cl. 45—48.)

In combination with a pair of hinged members, one of said members having a groove formed therein, a plate over said groove, said plate having a slot formed therein, of a brace hinged to the second of said hinged members, a shoe formed on said brace, said shoe being slidable within said groove behind the plate, a rest on said plate, said rest being formed by bending the plate



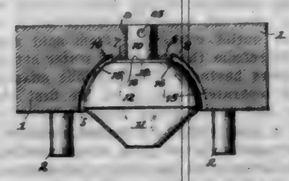
inwardly in the groove at the edges of the slot and adjacent the top of the plate, a shoulder on said brace adapted to engage said rest in the unfolded position of said hinged members, said shoe being retained behind the plate in the folded position of the hinged members.

1,535,714. BICYCLE GEARING. LOT F. BURKE, Schenectady, N. Y. Filed Apr. 12, 1924. Serial No. 706,083. 7 Claims. (Cl. 208—154.)



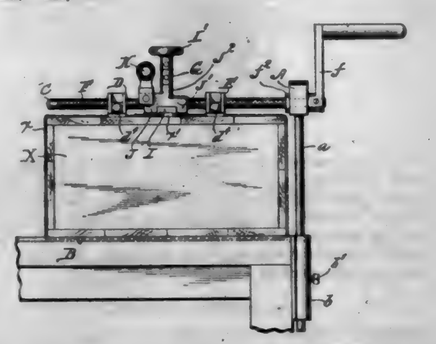
1. In a bicycle drive, the combination with the usual crank shaft, sprocket wheel thereon and rear wheel sprocket, of a frame having a relatively movable rear end, a second shaft journaled in said rear end between the crank shaft and rear wheel sprocket, said second shaft having two sprockets of different size on one end, the larger of the two being on the outer end of said second shaft and in line with said rear wheel sprocket, and means between the crank shaft and said second shaft for securing said relatively movable rear end in any desired position.

1,535,715. METHOD OF PRODUCING TANK BALLS. ALBERT HOMER CANFIELD, Bridgeport, Conn. Filed Nov. 2, 1922. Serial No. 598,593. 7 Claims. (Cl. 18—56.)



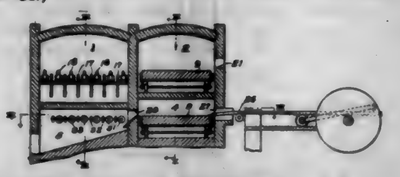
1. That method of forming tank balls which consists in placing within a cavity formed in a mold section, material sufficient to produce the ball in its entirety forcing down onto said material a second mold section, said second section having a core mounted in a cavity formed therein and in spaced relation to the walls of the cavity, said core likewise having an outwardly extending portion which portion when the mold sections are brought together contacts the material and causes a flow thereof throughout the cavities in the mold and finally vulcanizing the ball thus produced.

1,535,716. IMPLEMENT FOR APPLYING AND FASTENING PACKAGE BINDERS. SPENCER C. CARY, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 9, 1919. Serial No. 343,555. 28 Claims. (Cl. 100—31.)



10 In an implement for applying and fastening a package binder, the combination with binder-tensioning means for applying tension at separated points to a binder the ends of which are in crossing relation, of a binder-fastening means positioned for operation upon the crossing portions of the binder and intermediate the points of tension application by said binder-tensioning means, said binder-fastening means including a retaining member for a seal-part and a rotatable head operable for twisting said end portions of the binder into locking engagement with a seal-part.

1,535,717. WINDOW-GLASS APPARATUS. JAMES G. CLEVELAND and HARVEY L. KELLER, Arnold, Pa. Filed Mar. 24, 1923. Serial No. 627,466. 5 Claims. (Cl. 49—44.)

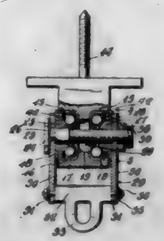


2. In window glass flattening apparatus the combination of an intake chamber, a furnace chamber and a leer chamber, the said chambers being straight-walled and arranged in parallelism and the intake chamber and the leer chamber overlapping the furnace chamber and communicating therewith through lateral openings, and the said intake chamber and the said leer chamber being arranged vertically one above the other.

1,535,718. PIVOTED SWING HANGER. WILLIAM W. DEGLER, Davis, W. Va. Filed Mar. 31, 1923. Serial No. 629,157. 1 Claim. (Cl. 248—64.)

A hanger block to be secured to a support and having a recess formed therein extending from one side thereof to the other, said recess having an internal annular flange arranged centrally thereof, a grease cup attached to the central portion of the block to supply grease to

the recess at its center, race ways mounted within the end portions of the recess and engaging the sides of the internal flange, balls held within the race ways, a pivot suspension element passing through the recess and race ways, radial and end thrust rings mounted upon the pivot suspension element upon the outer side



of the race ways and engaging the balls, a hanger element embodying side plates arranged in close relation to said sides and apertured for receiving the pivot suspension element, packing arranged between said sides and the side plates, and means carried by the pivot suspension element for holding the side plates in proper contact with the packing.

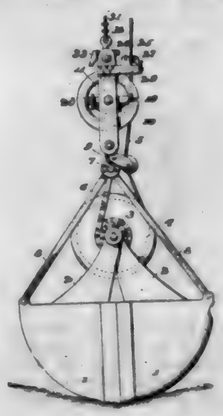
1,535,719. GOLF CLUB. CHARLES FISHER, Chicago, Ill., assignor, by direct and mesne assignments, to The Automatic Recording Safe Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 6, 1921. Serial No. 459,053. 2 Claims. (Cl. 273—80.)



2. A golf club comprising a tubular handle-section provided with a downwardly tapering lower end portion, a wooden shaft-section having a reduced extremity extending into said handle and equipped with a downwardly tapering ferrule, said reduced extension being expanded within said ferrule, and an angular club-head secured to the lower end of said wooden shaft-section, said sections being of approximately equal length and adapted to telescope with relation to each other and said sections being adapted to be securely bound together in the extended position by action of inertia.

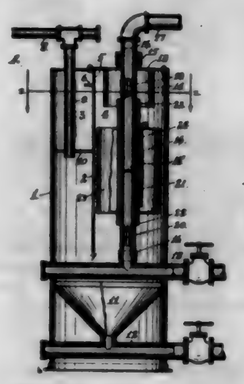
1,535,720. OPERATING AND DETACHING MECHANISM FOR EXCAVATING BUCKETS. OMAR N. GARDNER, Jamestown, N. Y. Filed Nov. 18, 1921. Serial No. 516,082. 10 Claims. (Cl. 37—184.)

1. A device of the character described comprising an excavating bucket having a power wheel, hoisting and holding lines for operating said bucket, an attachment secured to said bucket, independent of said power wheel, to which said hoisting and holding lines are detachably



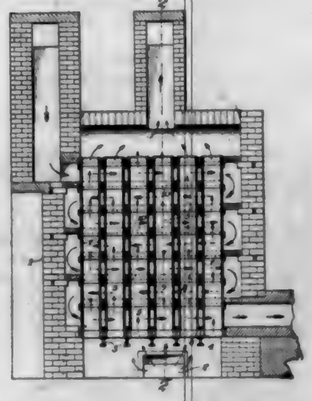
fixed, and means connecting said attachment to said power wheel whereby upon the hoisting or lowering of said bucket said power wheel is rotated to close or open said bucket.

1,535,721. GAS, OIL, AND SAND SEPARATOR. HARRISON M. GILL, Taft, Calif. Filed Nov. 3, 1924. Serial No. 747,571. 1 Claim. (Cl. 183—2.7.)



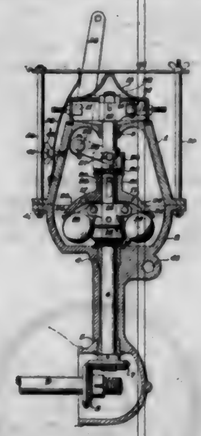
A gas and oil separator comprising a closed shell divided interiorly into separate chambers; an inlet connection for receiving in the first of said chambers a mixture of gas, oil, sand and water as it comes from a well; an outlet connection from said shell for discharging therefrom the sand and water settling therein, said chambers having communications adapting the gas and oil to separately pass from the first chamber into the upper and lower areas respectively of the second chamber; a pipe within the second chamber having an upper port and a lower port communicating with the upper and lower areas respectively of said second chamber, said pipe between the ports being interiorly divided; a delivery pipe from each end of said ported pipe; a sleeve valve slidably fitted upon said ported pipe and adapted to reciprocally proportionally control the ports thereof; a float carried by said sleeve valve; and a removable head cap of the shell covering the second chamber, and provided with a downwardly extending baffle flange surrounding the upper ports of said pipe.

1,535,722. RECUPERATOR. ROBERT GOOD, Washington, Pa., assignor of one-half to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Feb. 9, 1923. Serial No. 618,035. 2 Claims. (Cl. 263—20.)



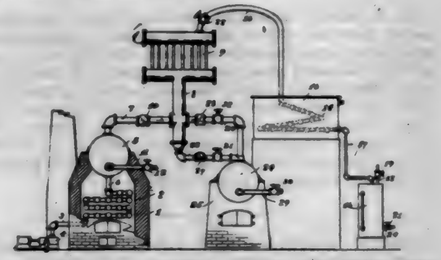
1. In a recuperator construction, a plurality of vertical flues arranged in horizontal alignment, a plurality of horizontal baffles forming passages for the waste gases through the recuperator, said vertical flues formed of conventional bell-mouth tiles arranged end to end, each of said horizontal baffles arranged in a continuous line from side to side of the recuperator and supported on the bell-mouth flanges.

1,535,723. GOVERNOR MECHANISM FOR INTERNAL-COMBUSTION ENGINES. FRANCIS R. HOSTETLER, Kokomo, Ind. Filed Oct. 14, 1922. Serial No. 594,666. 5 Claims. (Cl. 264—15.)



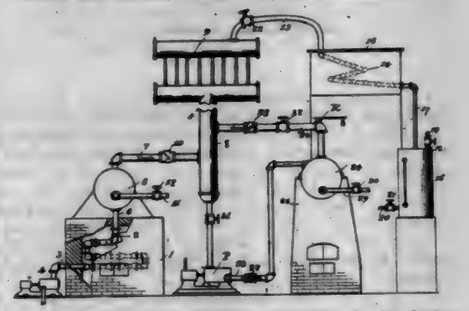
5. A governor mechanism of the character described, comprising a casing, a rotatable shaft mounted within the casing, a bracket casting fixedly secured to the shaft with its lower face in contact with a roller bearing, centrifugally operated weights pivoted to the casting, a slidable sleeve mounted on the shaft disposed above the casting and formed with an outwardly and downwardly extended member having a curved recess formed in its lower face near its outer edge, a loose slidable sleeve disposed above said member with its lower face in contact with a thrust roller bearing and formed with a plurality of lateral extensions, a horizontal shaft mounted through the casing, eccentric arms engaging with said extensions and fixedly secured to the horizontal shaft, a throttle controlling lever secured to one end of the said horizontal shaft, and a tensioned adjusting device fixedly secured to the outside of the casing with its free end resting in contact with said lever.

1,535,724. PROCESS AND APPARATUS FOR TREATING HYDROCARBONS. WILLIAM R. HOWARD, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Sept. 8, 1919, Serial No. 322,456. Renewed Dec. 27, 1924. 8 Claims. (Cl. 196—47.)



1. A process of converting relatively high boiling point hydrocarbons into lower boiling point hydrocarbons consisting in passing the oil continuously through a cracking zone, thence to a vapor chamber located outside the cracking zone, passing the vapors from the vapor chamber to a reflux condenser, passing a portion of the vapors, i. e. those of lower boiling point to a final condenser and receiving tank, returning the refluxed portion to a secondary cracking zone, without intermingling it with the oil in the first cracking zone, redistilling the reflux in said secondary zone and causing the vapors generated in said latter zone to return again to the reflux condenser, where a portion of them are again condensed and retreated in said secondary cracking zone and maintaining a super-atmospheric vapor pressure on the oil during treatment.

1,535,725. PROCESS FOR TREATING HYDROCARBONS. WILLIAM R. HOWARD, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Sept. 8, 1919. Serial No. 322,457. 4 Claims. (Cl. 196—47.)



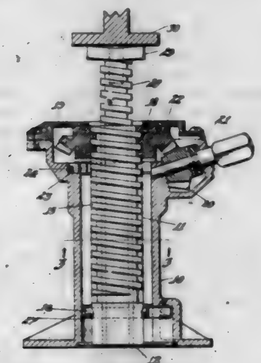
1. A process of converting relatively heavy hydrocarbons into those of lower boiling point, consisting in passing the oil continuously through a cracking zone, thence to a vapor chamber passing the vapors from said vapor chamber to a reflux condenser, passing the uncondensed portion of the vapors from the reflux condenser to a final condenser and receiving tank, returning the liquid portion condensed in the reflux condenser under forced pressure to a secondary cracking zone, dis-

tilling the liquid portion in said zone and again passing the vapors generated to the reflux condenser, continuously retreating the reflux condensate in said secondary cracking zone, maintaining a predetermined superatmospheric vapor pressure on the oil in said first cracking zone, and maintaining a higher vapor pressure on the oil in said secondary cracking zone.

1,535,726. PLASTIC COMPOSITION AND PROCESS. HENRY G. JAEGER, Rose Hill, Calif., assignor of one-fourth to Everett R. Lambertson and one-fourth to George P. Clements, both of Eagle Rock City, Calif., and one-fourth to Julius Schneider, Los Angeles, Calif. Filed Oct. 4, 1922. Serial No. 592,422. 2 Claims. (Cl. 106—29.)

1. A plastic composition formed by saturating about seven parts by volume of a dry organic material with a solution of magnesium chloride, draining the same, mixing therewith about one part of calcined magnesite, separately mixing about one part of finely powdered silica with approximately an equal bulk of calcined magnesite, incorporating the last mentioned mixture with the mixture previously made, and adding to the resultant mixture sufficient of a solution of magnesium chloride to render the product plastic.

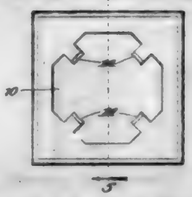
1,535,727. DOUBLE-SCREW JACK. ALVIN L. JOHNSON, Springfield, Mass., assignor of forty-eight per cent to W. Goulding Warren, Holden, Mass., and four per cent to Albert E. Fay, Worcester, Mass. Filed Mar. 9, 1925. Serial No. 13,952. 4 Claims. (Cl. 254—102.)



4. In a double screw jack, the combination with the two screws one threaded in the other, and means for rotating one of them to raise or lower it, of a casing for supporting the screws, a plurality of guides for preventing the rotation of one screw where it is being raised or lowered, said guides having slanting ends to permit of their becoming effective for the purpose specified at all points around the circumference, and a latch for positively stopping the rotation of the screws at one point and starting it to move longitudinally.

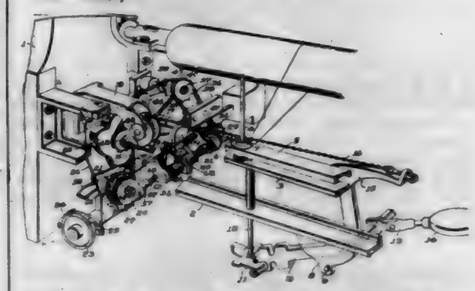
1,535,728. THREAD-CUTTING DIE. OTTAR S. LEE, Chicago, Ill., assignor to The Nye Tool & Machine Works, Chicago, Ill., a Corporation of Illinois. Filed Sept. 10, 1923. Serial No. 661,878. 5 Claims. Cl. 10—120.)

3. A die comprising a hollow frame-like body presenting an aperture therethrough and containing slots in its opposite face portions opening into said aperture and formed of similar sections secured together and each presenting one of said face portions with flanges



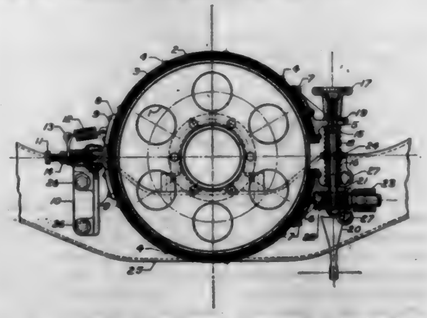
extending therefrom, the latter constituting the side walls of said body, and die segments located, and secured, in said slots.

1,535,729. BUILDER MECHANISM FOR YARN WINDING AND SPINNING MACHINES. HARRY A. LEONARD, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed May 20, 1924. Serial No. 714,540. 14 Claims. (Cl. 242—43.7.)



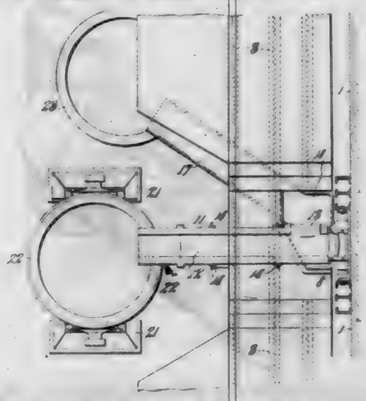
1. In a builder mechanism, the combination of yarn guides for directing yarn to yarn receivers, a builder arm and regular traverse cam, connections between the builder arm and yarn guides, a bunch builder member mounted on the builder arm and normally maintained in an inoperative position, a manually operated trip mounted on the builder arm for releasing the bunch builder member that it may move to bunch builder position, and means for automatically returning the bunch builder member to inoperative position on completion of the bunch.

1,535,730. BRAKE MECHANISM. VINCENT LINK, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Jan. 9, 1922. Serial No. 528,044. 3 Claims. (Cl. 188—77.)



1. In a braking mechanism, a support, a brake drum, a brake band surrounding said brake drum supported intermediate its ends on said support, brackets having openings therein secured to said brake band adjacent its ends, a bolt extending through said openings in said brackets, springs mounted on said bolt intermediate said brackets, means on the outer end of said bolt to adjust the tension of said springs, a bracket having an end interposed between said springs adjustably mounted on said support, said bracket being adapted to equalize the clearance between the ends of said brake band and said brake drum.

1,535,731. SLAG SKIMMER. FRANK B. MCKUNE, Hamilton, Ontario, Canada. Filed Feb. 26, 1924. Serial No. 695,342. 5 Claims. (Cl. 266—38.)



1. In apparatus of the class described, a tapping trough leading from the furnace to the ladle, said trough having a branch whose bottom is at a higher level than that of the trough proper, and means for pivotally holding the trough in place whereby its discharging end may be raised and lowered to control the flow of metal through the ladle and slag into the branch.

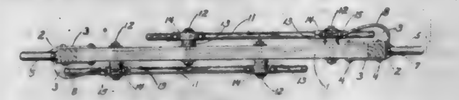
1,535,732. BAG TIE. JOHAN FREDRICK MALM, Chicago, Ill., assignor to Julius H. Wald, Chicago, Ill. Filed June 16, 1923. Serial No. 645,789. 3 Claims. (Cl. 150—11.)



1. A method of tying a bag comprising gathering the material of the bag to form a neck, passing a loop of cord through a single passage through the material of the bag at the neck, placing the loop over the ends of the gathers and around the neck and drawing the loop up snugly about the neck.

1,535,733. TROLLEY-CONDUCTOR INSULATOR. SAMUEL S. MATTHES, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 28, 1923. Serial No. 677,432. 7 Claims. (Cl. 191—39.)

1. A section insulator comprising in combination, an insulating member, an end member secured to each end of the insulator member, a pair of laterally spaced guide bars in insulated relation and having their inner ends overlapping and to be engaged simultaneously by a current collector, air insulation separating said guide



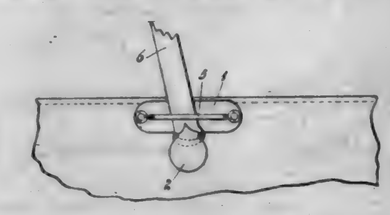
bars from each other and from the insulating member and means to secure said guide bars in said relation, each guide bar being electrically connected to one of the end members.

1,535,734. SUPPORT FOR TABLE TALKERS AND METHOD OF MAKING THE SAME. DAVID H. MOSS, Brooklyn, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 9, 1924. Serial No. 691,812. 4 Claims. (Cl. 179—146.)



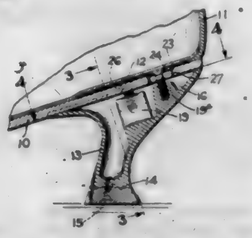
1. A support for an electromagnetic sound reproducing mechanism, comprising in combination a casing including an electromagnetic operating mechanism, a cap secured to said casing, a plurality of depending projections on said cap, and a base provided with a plurality of apertures arranged to receive said projections when said casing is inserted in said base for locking said casing against relative rotation with respect to said base.

1,535,735. SUSPENDER BUTTON. FREDERICK GEORGE PARKER, Sr., Oakland, Calif. Filed Oct. 6, 1924. Serial No. 741,833. 3 Claims. (Cl. 24—90.)



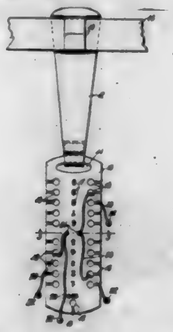
1. A suspender button comprising a substantially flat strip, a head integral therewith and depending therefrom in substantially the same plane, and means to secure said button to trousers.

1,535,736. SHOE HEEL. WILLIAM E. PERRY, New Haven, Conn., assignor to The Augur-Perry Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 26, 1921. Serial No. 455,923. 3 Claims. (Cl. 36—40.)



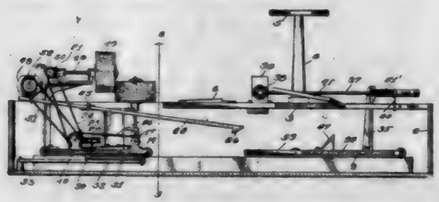
1. A hollow shoe heel having a pair of upstanding lugs formed at the attaching end thereof at opposite points adjacent the periphery thereof, having inwardly facing guideways formed therein, and a centrally disposed lug positioned between the two first mentioned lugs and provided with a guideway at each side to cooperate with the first mentioned guideways.

1,535,737. COUNTING DEVICE. MITCHELL D. PRICE, Miami, Fla. Filed Sept. 24, 1923. Serial No. 664,582. 2 Claims. (Cl. 235—1.)



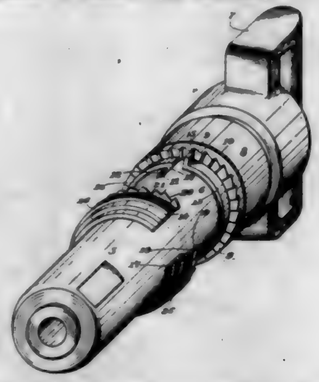
1. In a counter of the class described a tablet provided with a plurality of apertures adjacent the edge thereof together with slots extending from said apertures to the edge of the tablet, indicating indicia associated with said apertures and a flexible counting element insertable through a selected aperture by means of the associated slot.

1,535,738. SHOE-POLISHING MACHINE. PAUL M. RAYSOR, Bryan, Tex. Filed Dec. 28, 1922. Serial No. 609,461. 5 Claims. (Cl. 15—32.)



2. A shoe polishing machine, comprising a stand having foot blocks, a polishing carriage movable with relation to the foot blocks, polishing brushes carried by said carriage, a lever arm movable with the carriage and having a hook terminal, a dauber carriage movable in the stand with relation to the blocks, dauber brushes movable with said dauber carriage, a projection on the dauber carriage adapted to be engaged by said hook terminal, and a cam operative with the polishing carriage to control the movement of said lever arm.

1,535,739. HANDLE LOCK FOR PNEUMATIC TOOLS. JOHN R. L. SANTOS, Baltimore, Md., assignor to George Oldham & Son Company, Baltimore, Md., a Corporation of Pennsylvania. Filed June 4, 1920. Serial No. 386,518. 6 Claims. (Cl. 121—36.)

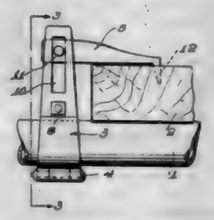


1. In a pneumatic tool, the combination with a barrel; a handle having threaded engagement with the barrel, said handle likewise having a series of ratchet teeth upon its lower end; a locking ring encircling the barrel and likewise having ratchet teeth upon one face, adapted to coact with the ratchet teeth upon the handle; and a split spring ring, one end engaging a recess formed in the barrel and the other engaging the locking ring aforesaid, whereby when the ring is rotated with reference to the handle, it will tend to spread the spring ring and set to screw the handle upon the barrel, when the ratchet teeth on the locking ring are meshed with the ratchet teeth on the handle preventing retrograde movement of the locking ring with reference to the handle.

1,535,740. SULPHURIZED CHEMICAL PRODUCT. WALTER O. SNELLING, Allentown, Pa. Filed Sept. 5, 1919. Serial No. 321,943. 23 Claims. (Cl. 260—17.)

4. The process which comprises contacting a nonvulcanizing oil with sulfuric chloride until dehydrogenation occurs.

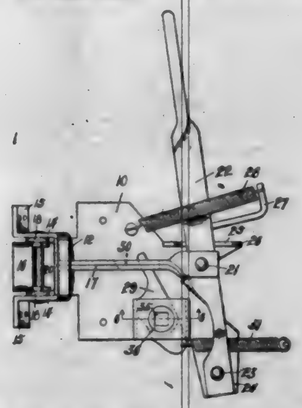
1,535,741. FASTENER TO CLAMP BOARDS ON SCAFFOLD BRACKETS. OSCAR CLINTON SNODGRASS, AUGISSTA BRUCH HAWKINS, and WILLIAM F. STAGGERS, Mannington, W. Va. Filed May 24, 1923. Serial No. 641,177. Renewed Feb. 4, 1925. 2 Claims. (Cl. 304—32.)



2. In a device of the class described, hingedly connected clamping plates, the plates having bulging portions suitably shaped to engage around a bracket member,

a bolt adjustably connecting the free ends of the clamping plates for securing the plates in clamped position, and a board clamping hook swingably and adjustably mounted on the clamping plates near their free ends, substantially as shown.

1,535,742. DOORLOCK. HARRY N. SORENSON, Toledo, Ohio. Filed Oct. 28, 1922. Serial No. 597,443. 4 Claims. (Cl. 292—192.)



3. In a lock of the class described, a frame plate, a part projecting laterally from one end thereof and forming a channel member with its channel facing outward with respect to the plate and extending transversely of the plate, a U-shaped catch member pivoted at the terminal ends of its legs within the channel to respective side walls thereof, and means carried by the plate in connection with the catch member through the channel bottom and normally operable to project the free end portion of the catch member outward with respect to the channel member and manually operable to retract the catch member.

1,535,743. PROCESS OF SEPARATING ANTIMONY AND LEAD. BURT C. STANNARD, Berkeley, and CALVIN W. HAFFEY, Selby, Calif., assignors to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 12, 1921. Serial No. 514,658. 12 Claims. (Cl. 75—17.)

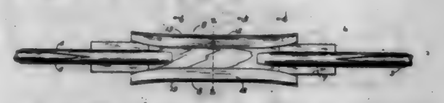
1. The process of recovering commercially pure antimony oxide directly from lead bullion containing antimony in excess of a relatively fixed percentage that forms a stable oxide of antimony in quantity in the presence of lead, which consists in melting the bullion, heating the bath under oxidizing conditions to an appropriate temperature to effect continuous volatilization of the excess antimony, and maintaining said temperature until substantially all of the excess antimony is removed from the bath as a fume.

1,535,744. VEHICLE SPRING. BYRD E. STODDARD, Minneapolis, Minn. Filed Oct. 30, 1922. Serial No. 597,975. 10 Claims. (Cl. 267—45.)



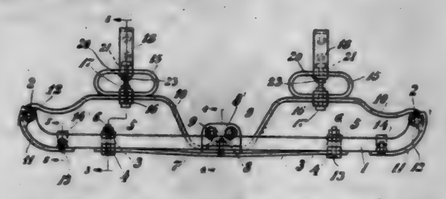
1. The combination with a pair of vehicle springs located substantially in line with each other and in substantially the same vertical plane, of a shaft below each spring and extending at right angles to the plane of the springs, bearings in which said shafts are mounted, a vehicle body frame supported upon said bearings and located in the same horizontal plane as the upper portions of the springs, said springs having no connection with said frame except through said shafts.

1,535,745. TROLLEY-CONDUCTOR INSULATOR. SAMUEL S. STOLP, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Nov. 30, 1923. Serial No. 677,636. 10 Claims. (Cl. 191—36.)



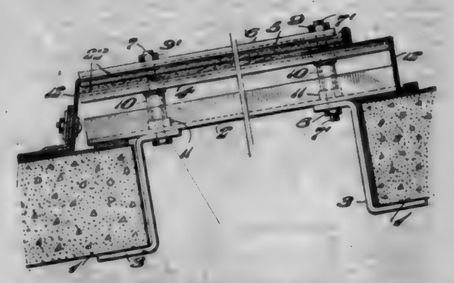
1. A section insulator comprising in combination means for holding the adjacent ends of a trolley conductor in fixed and insulated relation, and a pair of parallel guide bars laterally spaced from each other and from the said means adapted to guide either a grooved wheel or sliding current collector across the break in the line conductor, each bar being electrically connected to a different trolley conductor and normally insulated from each other.

1,535,746. BUMPER. JOSEPH STEATINSKY, Chicago, Ill. Filed July 18, 1924. Serial No. 726,809. 4 Claims. (Cl. 293—55.)



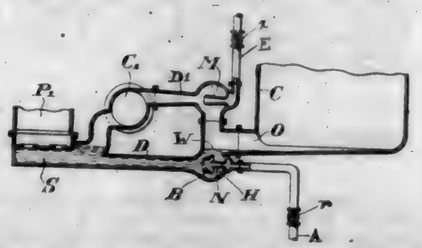
1. A bumper comprising a plurality of flat bars, spaced between their flat surfaces and turned edgewise to the front, bent rearwardly at their ends, having these ends suitably covered with flat guards and in combination with it a plurality of flat rear springs pivotally mounted at the ends, and near the centre of the flat bars; having also suitably supported on the rear springs oblong shaped spring rings rigidly fastened between the overlapping ends of a bracket, which in turn is rigidly fastened to the frame of a vehicle.

1,535,747. ADJUSTABLE ROOF STRUCTURE. JOHN FRANKLIN STUCKERT, Philadelphia, Pa. Filed July 3, 1924. Serial No. 723,855. 6 Claims. (Cl. 108—16.)



1. In a building construction a pair of supports, a gutter spanning said supports, means arranged above said gutter for supporting a roof in a fixed, rigid manner, means for securing predetermined adjustments of said supporting means toward or away from said gutter at the time of erection and means for retaining permanent said adjustments.

1,535,748. AUXILIARY APPARATUS FOR CONDENSERS. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,512. 19 Claims. (Cl. 230—13.)



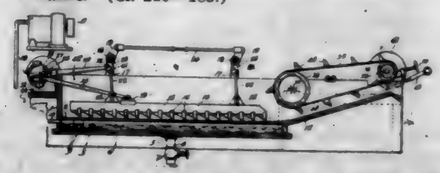
1. The combination with a receptacle for liquid, of an ejector submerged in the liquid, a second receptacle to which said liquid is delivered by said ejector at higher pressure, and a second ejector delivering fluid at increased pressure to said second receptacle independently of said first named ejector.

1,535,749. REGISTERING DEVICE. EDWARD G. THOMAS, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed May 27, 1921. Serial No. 473,100. 7 Claims. (Cl. 235—91.)



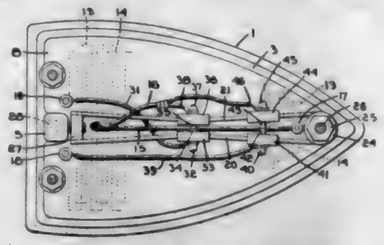
1. In a weighing scale, in combination, weighing mechanism including a load-receiver, automatic load-counterbalancing mechanism and means connecting said automatic load-counterbalancing mechanism with said weighing mechanism, and a registering device connected to said weighing mechanism for counting the loads received by said load-receiver.

1,535,750. FILTER. WARREN C. TRACY, Los Angeles, Calif. Filed Sept. 27, 1921. Serial No. 503,561. 6 Claims. (Cl. 210—185.)



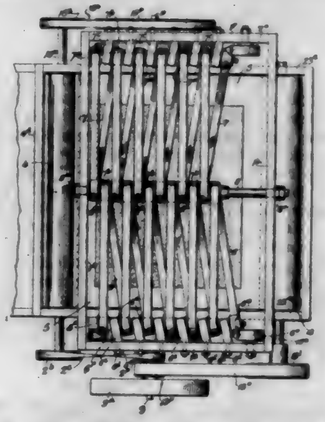
1. In a filter of the nature disclosed, a tank, a filter element defining a lower chamber for receiving ore solution, a discharge chute extending and angled upwardly from one end of the filter element, means propelling ore pulp along said element towards the discharge chute, and means propelling the ore tailings upwardly along the discharge chute.

1,535,751. THERMOSTATICALLY-CONTROLLED IRON. WILFRED J. TURENNE, Danvers, Mass. Filed Aug. 9, 1921. Serial No. 491,051. 10 Claims. (Cl. 219—25.)



1. An electrically heated device comprising a base member, a heating unit, a circuit for supplying electric current to said heating unit, a curved member having a different coefficient of expansion than that of the base member, rigidly anchored to said base member at points remote from each other, co-operating switch members in said circuit one of which is mounted upon the curved portion of said curved member and normally arranged to contact with the other switch member, but operable by the relative expansion of said base member and curved member to separate said switch members and thereby interrupt the electric circuit.

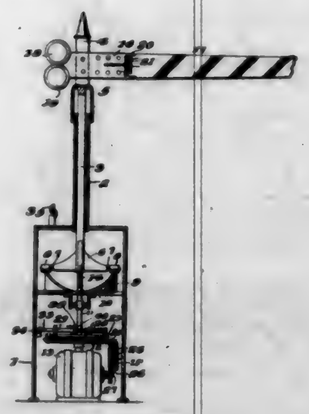
1,535,752. BRONZING MACHINE. BURT F. UPHAM, Brookline, and FRANK C. STEVENS, Cohasset, Mass., assignors to United Printing Machinery Company, Boston, Mass., a Corporation of Massachusetts. Filed June 8, 1922. Serial No. 566,778. 18 Claims. (Cl. 91—59.)



1. In a machine of the character specified, a sheet conveyor, and belts arranged at obtuse angles to the line of movement of the sheets adapted to operate upon the sheets as they move forward on the conveyor.

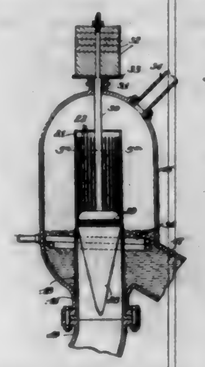
11. In a machine of the character specified, a sheet conveyor, belts, guides for each belt disposed above the path of the sheet whereby each belt is caused to make a plurality of substantially parallel loops above the sheets, the portions of each belt at the underside of said loops being adapted to operate upon the sheets as they are moved by the conveyor, substantially as described.

1,535,753. AUTOMATIC SAFETY GATE. GRANT G. WEISER, Hellertown, Pa. Filed Apr. 16, 1923. Serial No. 632,383. 4 Claims. (Cl. 246—128.)



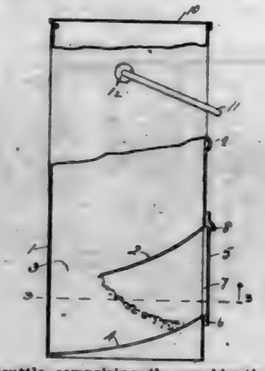
1. An automatic gate in combination with a railroad track, comprising a housing, a rotatable shaft extending from said housing, a signal arm carried by said shaft, a T-shaped extension formed on the lower extremity of said shaft arranged in said housing, a roller arranged at each end of said T-shaped extension, stationary cam surfaces engaging said rollers for elevating said shaft and signal arm when said shaft is turned, whereby when said shaft is released it will return to its normal position by gravity, and train initiated means for turning and elevating said shaft and arm against the action of gravity.

1,535,754. METHOD OF AND APPARATUS FOR SEPARATING GASES AND LIQUIDS. ARTHUR SHALER WILLIAMS, Ithaca, N. Y. Filed Sept. 4, 1923. Serial No. 660,684. 21 Claims. (Cl. 183—26.)



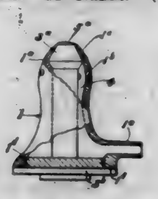
1. The method of separating a gas and a liquid from a mixture thereof consisting in causing the mixture to flow through a multiplicity of small, "thin-plate" orifices having a low pressure difference between opposite sides thereof and allowing the mixture to expand freely from said orifices into a space under the lesser pressure whereby the sudden free expansion of the gas causes it to separate out and the liquid to condense and fall.

1,535,755. COAL SCUTTLE. JOHN W. ACOSTA and ARTHUR E. BAKER, Philadelphia, Pa. Filed Oct. 6, 1922. Serial No. 592,707. 1 Claim. (Cl. 220—2.)



A coal scuttle comprising the combination with a receptacle including upper and lower compartments separated by a partition terminating short of one of the walls of said receptacle to form a communication between the two compartments and the side wall of said receptacle opposite the communication between the two compartments having a doorway formed therein communicating with the lower compartment, of a vertically slidable door to normally close said opening, a hollow finger piece formed with the upper edge of said door and a projection formed from that wall of the receptacle in which the doorway is formed and located a distance above said doorway for coaction with the hollow finger piece to hold the door in an elevated position.

1,535,756. RECTAL DILATOR AND IRRIGATOR. ALBERT L. AUSTIN, Cleveland, Ohio. Filed Apr. 4, 1921. Serial No. 458,415. 14 Claims. (Cl. 128—240.)



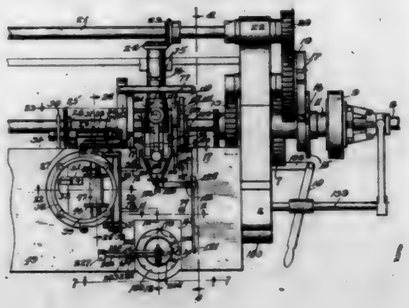
1. An irrigating rectal dilator, comprising a hollow dilator member, a hollow irrigating member extending therethrough and removable therefrom, and a removable plug provided with a head forming a part of said dilator member when seated.

4. An irrigating dilator of hollow formation including a nozzle head having a central opening and a series of tangentially arranged jet openings spaced from said central opening, and a tubular irrigating member removably seated in and communicating with said central opening and spaced from the walls of said dilator forming an annular chamber therein communicating with said jet openings whereby when said tubular irrigating member is seated an irrigating zone is formed between said jet openings and said central opening of said nozzle head.

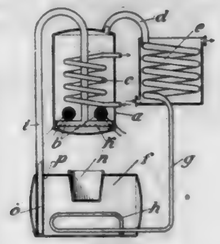
1,535,757. SUNDAE-CUP-FORMING MACHINE. CESARE BARBIERI, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,265. 36 Claims. (Cl. 93—36.)

1. A cup forming machine comprising an automatic cup forming mechanism, a mechanism for automatically feeding cup blanks into the field of operation of said

forming mechanism to be formed into cups, means for automatically centering the cup blanks, an automatic cup stacking mechanism, means for automatically transferring the formed cups from the forming mechanism over said stacking mechanism, and means for automatically pushing the cups into said stacking mechanism.



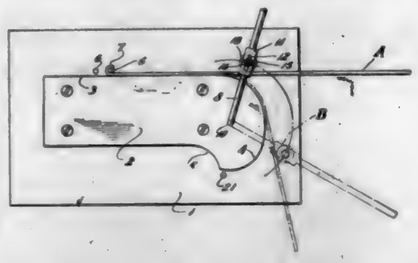
1,535,758. REFRIGERATING APPARATUS. GAUDENZ BAYER and CARL HOCHHERR, Augsburg, Germany, assignors to the Firm Gebrüder Bayer, Augsburg, Germany. Filed Dec. 19, 1923. Serial No. 681,526. 7 Claims. (Cl. 62—118.)



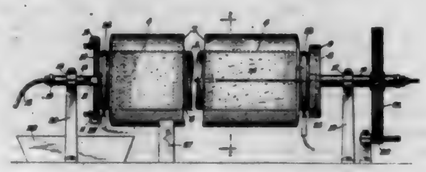
7. A refrigerating apparatus of the intermittently acting absorption type, including a still-absorber, an evaporator, valveless, permanently open communication means between the evaporator and the still-absorber, and having an outlet from the upper part of the evaporator and an outlet from the lower part of the evaporator, the relative areas of said outlets being such that the first mentioned outlet permits the free escape of gas during normal cooling operation, but permits the development of pressure in the evaporator and the forcing of liquid through said second mentioned outlet upon abnormal high rate of evaporation in the evaporation, and a second communication means between the still absorber and the evaporator, and including a condenser and a liquid seal.

1,535,759. MACHINE FOR BENDING BUMPER BRACKETS. JOHN F. BEANS, Canton, and ALONZO J. MERCIER, Massillon, Ohio, assignors to The Beans Spring Company, Massillon, Ohio, a Corporation of Ohio. Filed Nov. 17, 1922. Serial No. 601,592. 2 Claims. (Cl. 153—45.)

1. A bending machine including a table, a fixed bending block thereon having a straight edge terminating in a curved edge, a swinging arm arranged to be pivotally connected to the block and provided with a roller for bending the bar around the curved edge of the block, the table having a bearing aperture at the extremity of said curved edge of the block, a detachable arm having a journal portion adapted to be engaged in said bearing aperture, a removable block adapted to bear against said journal portion, and a roller upon said detachable arm for bending the free extremity of the bar back upon the removable block.

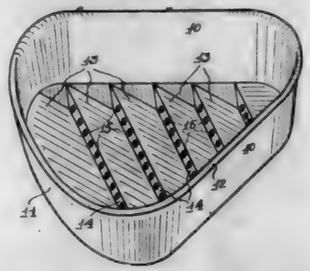


1,535,760. MANUFACTURE OF LITHOPONE. JAMES ELIOT BOOGE, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Nov. 3, 1920. Serial No. 421,432. 2 Claims. (Cl. 134—78.)



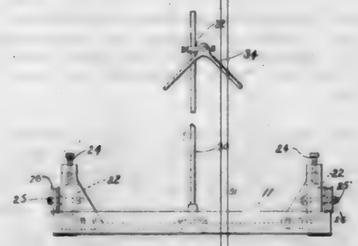
1. The process of muffling lithopone which comprises calcining the lothopone in a closed retort whose interior walls are composed of calorized iron.

1,535,761. SINK STRAINER. RALPH R. BOYLES, St. Paul, Minn., assignor to American Aluminum Ware Co., a Corporation of New Jersey. Filed Sept. 23, 1922. Serial No. 590,041. 3 Claims. (Cl. 210—149.)



2. A removable triangular strainer for the corner of a sink, having side walls for its entire periphery and a bottom which is provided with parallel draining portions inclined toward the small end of the strainer when the strainer is in normal position and in the opposite direction when the strainer is tilted, said bottom having an outlet between the adjacent edges of each two of said draining portions and said edges being in such relation to each other that one portion drains onto the other when the strainer is tilted.

1,535,762. WHEEL-REMOVING DEVICE. ANTHONY C. BRESKA, Cleveland, Ohio, assignor of one-half to Louis Horley, Cleveland, Ohio. Filed Jan. 10, 1924. Serial No. 685,429. 12 Claims. (Cl. 214—1.)



1. In combination, a trackway adapted to be disposed axially of a vehicle wheel, a platform on the trackway, mechanism for enabling the platform to be raised vertically with reference to the trackway for engaging and supporting said wheel, whereby said platform may be moved axially of the wheel for removal and replacement purposes.

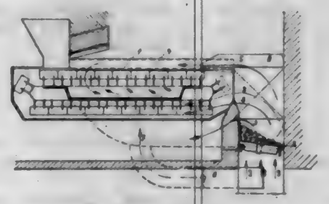
1,535,763. RESISTANT-SURFACE ALLOY OF IRON. GEORGE H. CHARLS, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,564. 11 Claims. (Cl. 75—1.)

1. A resistant-surface alloy of iron comprising, in combination with the iron, chromium from 3.0% to 30.0%, copper from .10% to 2.0%, and molybdenum from .05% to .35%.

1,535,764. RESISTANT-SURFACE ALLOY OF IRON. GEORGE H. CHARLS, Canton, Ohio, assignor to United Alloy Steel Corporation, Canton, Ohio, a Corporation of New York. Filed Apr. 14, 1924. Serial No. 706,565. 10 Claims. (Cl. 75—1.)

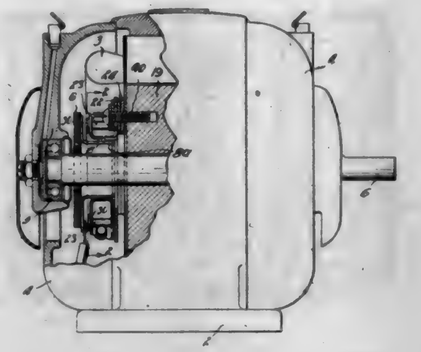
1. A resistant-surface alloy of iron comprising, in combination with the iron, chromium from 3.0% to 30.0%, silicon from .50% to 6.0%, copper from .10% to 2.0%, and molybdenum from .05% to .35%.

1,535,765. DEVICE FOR UTILIZING THE HEAT CONTAINED IN THE FUEL RESIDUES OF FURNACES. CHRISTIAN CHRISTIANS, Wilmersdorf, near Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,653. 3 Claims. (Cl. 110—1.)



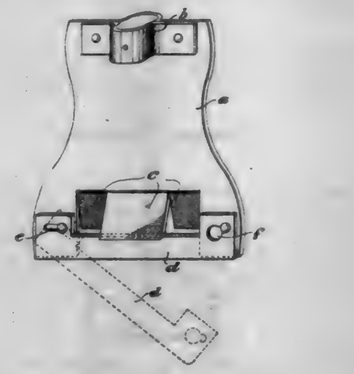
1. In a furnace, the combination, with a travelling grate, of a secondary grate adapted to receive the residues from the said travelling grate; a conduit adapted to lead combustion-air to the said secondary grate; and a conduit adapted to lead the heated mixture of the said air and the combustion-gases from the secondary grate to the travelling grate, for the purpose as described.

1,535,766. CENTRIFUGAL MOTOR SWITCH. JOEL R. COOK, Lakewood, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 5, 1922. Serial No. 579,789. 6 Claims. (Cl. 200—80.)



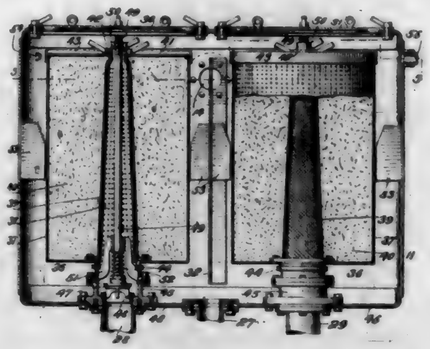
1. In a centrifugal switch, the combination of a rotary support, a stationary contact, a plurality of contact arms pivotally mounted upon the support and spaced equi-angularly thereon, the pivotal center of the arms being spaced at equal radial distances from the center of rotation of the switch, said contact arms having U-shaped bearing portions comprising the pivotal mountings thereof and spring members connected to said arms intermediate the legs of the U-shaped portions and connected to equi-angularly spaced lugs formed on said rotary support.

1,535,767. MOP-CLOTH HOLDER. FRANK LESLIE CUNNINGHAM, Calgary, Alberta, Canada. Filed Sept. 21, 1922. Serial No. 589,633. 1 Claim. (Cl. 15—150.)



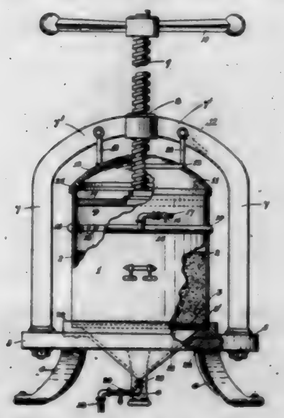
A mop holder comprising a plate provided with a handle receiving socket at one end thereof, the opposite end of said plate being provided with a rectangular recess, said plate being provided with a plurality of slits extending into said recess, and the alternative portions of the plate between said slits being bent forwardly and rearwardly to form a jaw, a clamping jaw pivoted to the portion of said plate forming one side of the recess, and means carried by the portion of the plate forming the other side of the recess for detachably retaining said pivoted jaw in clamping position.

1,535,768. FEED-WATER GREASE-EXTRACTOR APPARATUS. HOWARD C. DAVIS, Elizabeth, N. J., assignor to Row & Davis Engineers, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 15, 1920. Serial No. 410,514. 3 Claims. (Cl. 210—43.)



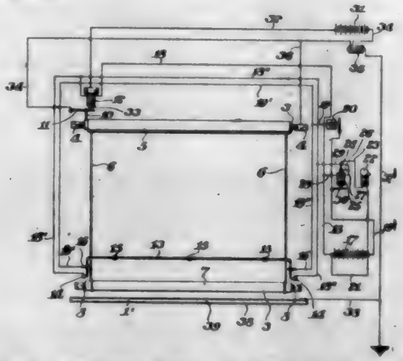
1. Unitary apparatus of the character described for use on a tank-steamship comprising a receiving tank for holding a body of water at a substantially uniform level and having an inlet for steam and water of condensation leading into said tank below the water level therein and a gravity discharge leading from the lower portion of the tank, said receiving tank also having means for the automatic discharge of oil from the upper surface of the water and means for maintaining the water at a substantially uniform predetermined level, a filter tank having an inlet through which said gravity discharge delivers into the filter tank from said receiving tank, spaced-apart self-contained removable unit filters submerged in said filter tank for filtering the water therein and having valved outlets leading therefrom for filtered water and adapted to permit either or both filters to remain in operation, and removable cover-plates at the top of said filter tank over said filters to provide for the introduction of the filters and the removal of either or both thereof.

1,535,769. INFUSION EXTRACTOR. JOSEPH JOACHIM GALLARDO, San Tecla, Salvador. Filed Aug. 16, 1924. Serial No. 732,533. 3 Claims. (Cl. 167—4.)



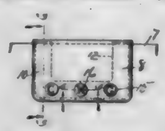
1. An improved apparatus for use in making extractions of coffee, tea, cocoa, and like substances, comprising a container for receiving the substance, a hollow jacket surrounding said container, a belt of perforations encircling the wall of the container and enclosed by the jacket, means for supplying boiling water or steam to said jacket, and means for applying direct pressure to the moist and hot substance within the container.

1,535,770. BURGLAR-DETECTIVE APPARATUS. TRAVILLA C. GETTELL, Philadelphia, Pa., assignor of one-half to Frederick Lambden, Baltimore, Md. Filed Jan. 26, 1921. Serial No. 440,045. 6 Claims. (Cl. 20—40.)



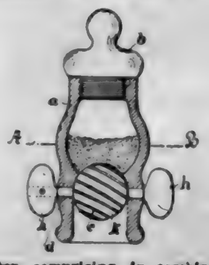
1. In a protective system of the character described, the combination with a closure, of a curtain, means for operating said curtain, and mechanism comprising an automatically movable device normally restrained from movement by said closure for rendering said operative means inoperative.

1,535,771. HAND GRASP FOR AUTOMOBILES. CARL H. GUSTAFSON, Hartford, Conn. Filed Feb. 6, 1923. Serial No. 617,203. 2 Claims. (Cl. 296—44.)



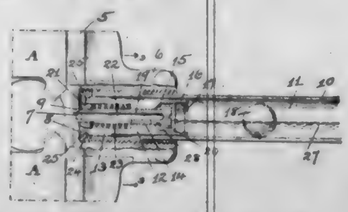
1. A hand grasp comprising a piece of material formed to provide flaps, a form of shaping material made in the form of a U-shaped frame with an end and with side bars bounding a central opening and constituting a border corresponding in shape to that of said flaps with the intermediate portion of the flaps free of the form and means for securing the frame to said flaps.

1,535,772. PEPPER CASTER. GOTTLOB HAUFLER, Stuttgart, Germany. Filed Apr. 10, 1924. Serial No. 705,704. 1 Claim. (Cl. 146—61.)



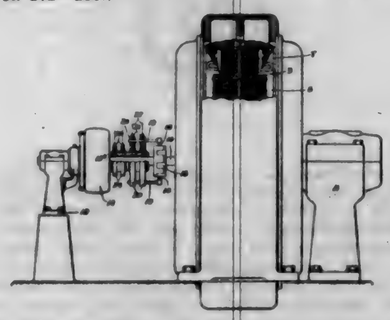
A pepper-caster, comprising, in combination: a receptacle adapted to receive the peppercorns and having a comparatively wide outlet passage, the wall of which is spherically contracted near the pepper corn-receiving receptacle-chamber; and forms an inwardly projecting edge at its upper end; means for closing the receptacle at its top; a comparatively large ball forming the bottom of the peppercorn receiving receptacle-chamber and being arranged in said wide outlet-passage and provided with a spirally-running groove adapted to co-operate with said edge; a spindle supported in the lower part of the receptacle-chamber, being firmly connected with said grooved ball, and a handle at either end of said spindle.

1,535,773. OIL-FEED DEVICE FOR DIESTOCKS. THOMAS HEER, Baltimore, Md., assignor, by direct and mesne assignments, to John A. Baker, Reisterstown, Md. Filed Mar. 22, 1923. Serial No. 626,836. 5 Claims. (Cl. 10—126.)



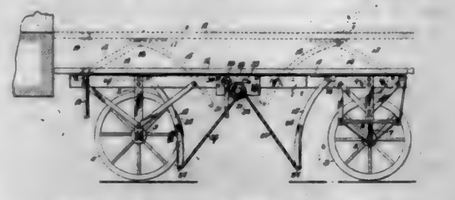
4. The combination with a stock-body having a handle socket and an oil-passage leading therefrom, of a handle provided with an oil-chamber; a cylindrical valve-body secured in the inner end of the handle and having an annular rim-edge valve-seat at its outer end and also having a second valve-seat adjacent to said rim-edge valve-seat; a valve stem extending longitudinally through body and provided with a passage therethrough and having a valve head at its outer end; spring means for drawing the valve-stem closed when the handle is detached, and a ball valve in the oil-chamber of the handle to seat on the rim-edge valve-seat when the handle is elevated.

1,535,774. SELF-STARTING SYNCHRONOUS MOTOR. TRUMAN HIBBARD, Minneapolis, Minn., assignor, by mesne assignments, to Electric Machinery Mfg. Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Nov. 7, 1919. Serial No. 336,302. 6 Claims. (Cl. 172—280.)



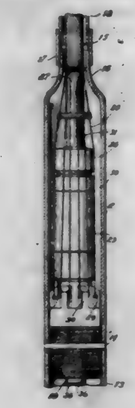
1. The combination with a self-starting synchronous motor having a damper winding and adapted to be started as an induction motor, of means including a redirecting commutator driven with the rotor of said motor and having its field sectors connected to the field terminals of said motor, and independently rotated brushes co-operating therewith for reversing the polarity of the rotor magnets to produce a torque to enable the motor to pull into synchronism under substantially full load.

1,535,775. LOADING AND UNLOADING TRUCK. WILLIAM T. HOLLAWAY, Alliance, Ohio, assignor of one-half to Harold A. Simms, sr., Chicago, Ill., and Walter A. McCullough, Alliance, Ohio. Filed Mar. 24, 1923. Serial No. 627,376. 5 Claims. (Cl. 254—8.)



1. A loading and unloading truck, including a body, a platform, a pair of angular levers pivoted near each end of the body, a roller journaled at the angular portion of each lever and engaging the under side of the platform, a drum journaled through the body, cables connected to the lower ends of the levers and wound upon the drum, means for rotating the drum and means for holding the drum in any desired position.

1,535,776. OIL-WELL HEATER. GEORGE S. HOLLISTER, Burkburnett, Tex., assignor to James B. Pauley, trustee, Chicago, Ill. Filed July 13, 1922. Serial No. 574,649. 10 Claims. (Cl. 219—33.)

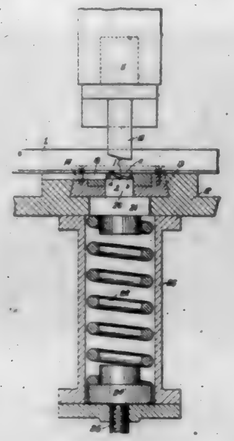


10. In a device of the class described, the combination with a heating unit, an electric circuit therefor, and means for normally preventing water from gaining entrance to the channel leading to the heating unit of electrical connections in said circuit and located in said channel, and a strata of insulating material such as mica filling such channel around said connections.

1,535,777. METHOD AND APPARATUS FOR MANUFACTURING HARD-STEEL FENCEPOSTS. VERNON HOXIE and MARTIN C. EPKE, Adrian, Mich., assignors to Peerless Wire & Fence Company, Adrian, Mich., a Corporation of Delaware. Filed Dec. 29, 1922. Serial No. 609,662. 9 Claims. (Cl. 153—2.)

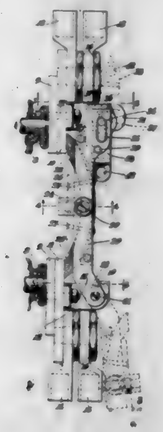
1. The method of making a metallic fence post or similar article with an integral tongue for subsequent back bending, which consists in taking a hard steel blank, stripping a tongue throughout its length from the blank by a punching operation, and in the same operation imparting an initial back bed to the outer end portion of the tongue toward the opening from which it is stripped and in the direction of intended subsequent bending.

6. An apparatus for forming tongues on hard steel stock, including a recessed die, and a punch for cooperating with the die to form a tongue on the stock, said punch having a nose portion receding rearwardly at



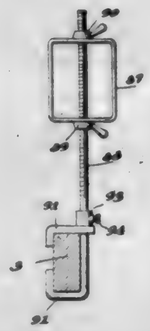
substantially a 3° angle to the face of the stock operated on and having a heel portion extending rearwardly from the nose portion at substantially a 20° angle to the stock face.

1,535,778. ELECTRICAL SWITCH. JOSEPH ALLEN JOHNSON, Niagara Falls, N. Y., and HARRY M. KING, Niagara Falls, Ontario, Canada. Filed July 18, 1919. Serial No. 311,773. 19 Claims. (Cl. 200—169.)



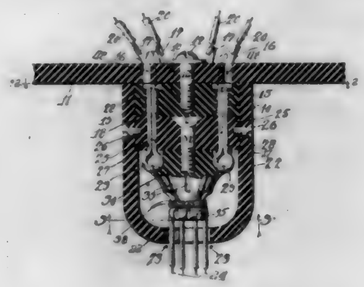
19. An electric switch having in combination, two electrical contact members, a switch member pivotally mounted with respect to said contact members and adapted to be swung about its pivot to electrically connect said contact members, means fixed with respect to the contact members and means on the switch member adapted to cooperate with said first means to hold the switch closed, one of said means including a pivotally mounted member adapted to engage the other means with a cam action to force the switch closed, the carrying of the cam past dead center acting to lock the switch in closed position.

1,535,779. SCAFFOLD BENCH AND ANCHOR. FRANK B. JOHNSTON, New York, N. Y., assignor to American Safety Device Company, a Corporation of New York. Filed Mar. 15, 1922. Serial No. 544,058. 2 Claims. (Cl. 304—15.)



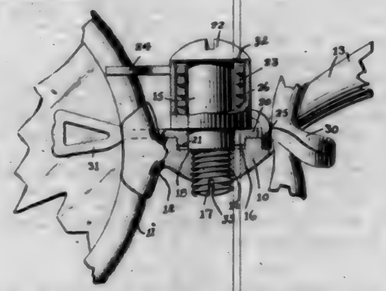
1. An outrigger support comprising a screw standard having a clamp member at its base adapted to embrace the lower portion of a floor joist, a second clamp member adapted to be placed above the joist, a sleeve on the second clamp member about the standard, securing means carried by the sleeve and engaging the standard for supporting the latter in the sleeve, and an outrigger frame on the standard.

1,535,780. ELECTRICAL CONNECTION DEVICE. HOWARD B. JONES, Evanston, Ill. Filed Aug. 28, 1922. Serial No. 584,901. 7 Claims. (Cl. 173—338.)



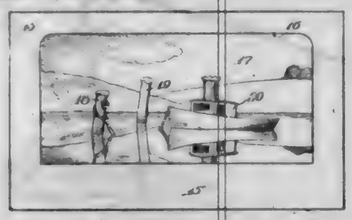
1. In an electrical connection plug of the character described, the combination of a disc-like supporting member of insulating material having apertures therethrough substantially parallel with the axis thereof for accommodating contact stems, a headed contact stem in the form of a cotter pin loosely positioned in each of said apertures with the heads of said stems on the inner side of the supporting member, a housing of insulating material including a tubular part having an open end adapted to receive a socket member encompassing said supporting member and stems with the supporting member intermediate the ends of the housing and held readily removably therein, said stems terminating short of but close to the open end of the housing while extending materially beyond the outer surface of the supporting member, means for holding said stems against inward movement, and means carried by the supporting member for binding wires thereagainst, the end of the housing opposite said open end having an aperture for wires.

1,535,781. EYEGLASS CONSTRUCTION. PERCIVAL W. JONES, Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass., a Corporation of Maine. Filed Mar. 28, 1922. Serial No. 547,408. 5 Claims. (Cl. 88—50.)



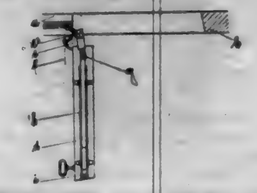
1. In eyeglass construction, in combination, an eyeglass frame, a nose lever adapted to swing thereon, a screw member passing through an opening in said nose lever and engaging said frame and having a head at its end remote from said frame, said head being beveled under its outer edge, a spring coiled upon said said screw member and connected to swing said lever, and a casing substantially covering said spring, one end of said casing resting upon said nose lever and its other end registering with said bevel on said screw head.

1,535,782. SCENIC EFFECT. FRANK O. KING, Glencoe, Ill. Filed May 10, 1923. Serial No. 638,131. 4 Claims. (Cl. 272—11.)



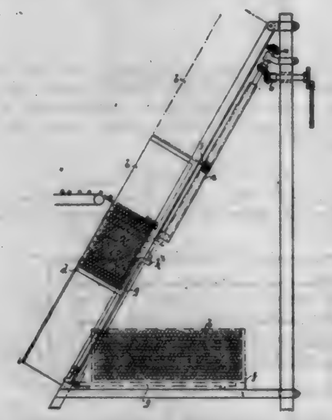
1. In the art of creating scenic effects, the provision of a scenic representation appropriate to the presence of a body of water, and in association therewith a shaped object standing out in relief and below said shaped object and substantially vertical therewith a similarly shaped object in inverted position with respect to the upper object and also standing out in relief, the lower object representing a reflection of the upper object, as in water.

1,535,783. HINGE FOR WINDOWS AND DOORS OF MOTOR CARS. HANNS KLEMM, Sindelfingen, Germany, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany, a Corporation of Germany. Filed Mar. 17, 1924. Serial No. 699,732. 6 Claims. (Cl. 16—179.)



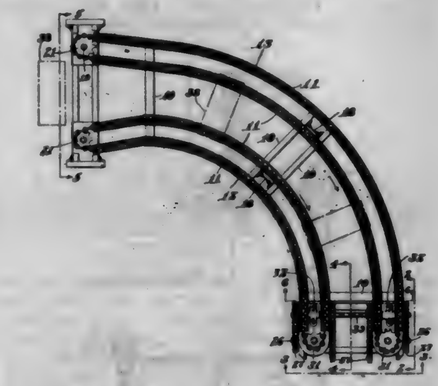
5. A hinge for windows and doors of motor cars, more especially for motor cars with detachable and collapsible tops and with the axis of the door hinge displaces against the axis of the window hinges, in combination with a hinge member connecting the window with the top of the car body, said hinge member being flexible and shiftable and forming one shank-fitting of the general hinge, said shank-fitting being jointed in the fitting-portion engaging the window frame and one portion of the jointed fitting engaging a suitable portion of the window frame so as to be shiftable, substantially as described.

1,535,784. TRESTLE OR CONTAINER FOR RECEIVING MANUFACTURED CIGARETTES. EWALD KOERNER, Dresden, Germany, assignor to United Cigarette Machine Company, Inc., Lynchburg, Va., a Corporation of Virginia. Filed June 21, 1924. Serial No. 721,508. 11 Claims. (Cl. 131—39.)



1. A filling device for cigarette machines, comprising a container, means for moving the container step by step, each step being a distance in accordance with the thickness of the individual cigarettes being handled, and means for inserting a layer of cigarettes into the container at each movement of the latter.

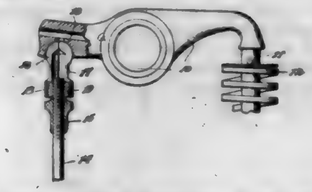
1,535,785. CHAIN CURVE. GRAFTON E. LUCE, Chicago, Ill. Filed May 31, 1923. Serial No. 642,527. 3 Claims. (Cl. 198—182.)



1. In an improved curved conveyor for carrying articles or objects around a curve of any desired radius and length, the combination of a plurality of troughs arranged in pairs and parallel to each other and lying in a

plane, an endless conveyor chain arranged in each pair of troughs, and means for driving adjacent reaches of the conveyor chains simultaneously in the same direction and at the same angular speed.

1,535,786. VALVE-ACTUATING MECHANISM. JESSE JULIUS MORSCH, Douglas, Wyo. Filed June 27, 1923, Serial No. 648,134. Renewed Mar. 19, 1925. 4 Claims. (Cl. 123—90.)



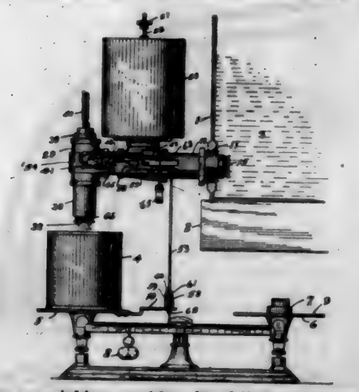
1. In valve-actuating mechanism, a ball end including a hollow thrusting member slotted longitudinally on radial lines to define spring fingers connected by a relatively thin skirt and a bushing fitting within the skirt for engagement with a push rod.

1,535,787. MUFFLER. JOHN RAGANY, Canton, Ohio. Filed Nov. 25, 1924. Serial No. 752,179. 4 Claims. (Cl. 137—160.)



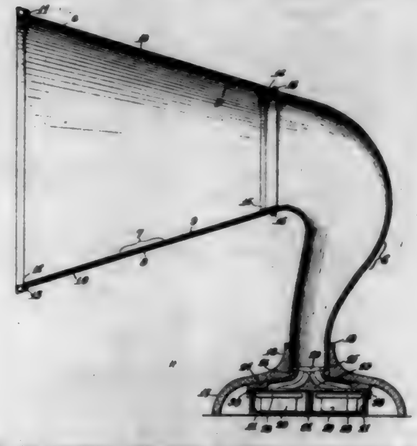
1. In a device of the class described, a tubular casing provided at one extremity with an end member, a conduit opening through the end member, the conduit being extended backwardly along the casing, and into the casing at a point adjacent to the other extremity of and spaced from the casing, the conduit comprising a part disposed within the casing and opening through the end member, first baffles in the space between said part of the conduit and the casing, and second baffles in said part of the conduit.

1,535,788. LIQUID-WEIGHING MACHINE. HERMAN RAUCHFUSS, Englewood, Colo. Filed Jan. 5, 1924. Serial No. 684,533. 5 Claims. (Cl. 249—55.)



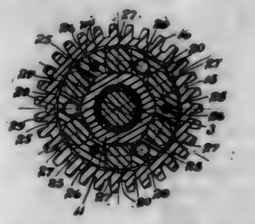
1. In a weighing machine for filling containers with a predetermined weight of liquid, in combination, a liquid supply tank, a valve mechanism connected thereto, a scale, a container supported by said scale, said valve mechanism having an opening located directly above said container, a valve member operatively associated with said valve mechanism for closing said opening, means tending to move said valve member towards closing position, means comprising a latch member for holding said valve member in open position, said latch member having an opening for the reception of a control rod (53), said control rod having means for engaging the latch member and rendering said latch inoperative when the rod moves downwardly a predetermined distance, and means on the scale which co-operates with the rod and holds the latch engaging means out of contact with the latch until the weight of liquid in the container reaches a predetermined value and then permits the latch-engaging means to come into contact with the latch member and to be supported entirely thereby for the purpose of releasing the latch and permitting the valve member to move to closing position.

1,535,789. AMPLIFIER. JOSEPH A. RAYDER, Philadelphia, Pa. Filed May 3, 1924. Serial No. 710,886. 7 Claims. (Cl. 181—27.)



1. An amplifier embodying a cellular walled horn and an insulate material base, said base affording attachment for a reproducing instrumentality enclosure, and a cover for the enclosure having a spiralized passage communicating with the aforesaid horn.

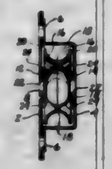
1,535,790. TRANSMISSION-GEARING CLUTCH. BAYARD E. RICHARDSON and ALGER M. LINN, Grand Rapids, Mich., assignors to Mechano Gear Shift Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 5, 1921. Serial No. 519,878. 4 Claims. (Cl. 192—45.)



3. A clutch comprising an inner member having a plurality of sides arranged at angles to each other, a roller carrying cage around the inner member including clutch rollers loosely carried therein, one at each side

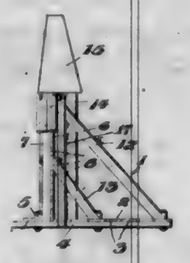
of the inner member, an outer clutch member of cup-like form located over the cage and inner member and provided with a plurality of depressions on its inner side and having a plurality of ball receiving recesses in its bottom, and spring actuated balls carried by the cage and pressed into said recesses.

1,535,791. PULLEY. WILLIAM RAEBURN, Waterbury, Conn., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Jan. 3, 1924. Serial No. 684,161. 5 Claims. (Cl. 254—192.)



1. A pulley comprising a housing having substantially parallel perforated sides, and a sheet metal pulley wheel composed of two parts secured together, each part having a hollow tubular projection passing through one of the sides of said housing and forming a trunnion for the wheel, and a boss surrounding the axis of said projection and engaging the corresponding side of the housing so as to space the rim of the pulley therefrom.

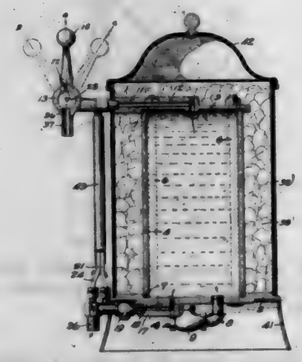
1,535,792. SEA WALL. CHARLES H. RUGGLES, West Palm Beach, Fla. Filed May 26, 1924. Serial No. 715,974. 6 Claims. (Cl. 61—4.)



3. A well for the purpose set forth comprising horizontally disposed sleepers, a deck secured thereon and spaced from the forward ends thereof, standards mounted on the sleepers forwardly of the deck, a vertically disposed sheathing positioned against the rear face of and of the same height as the standards and further interposed between the deck and the standards, a longitudinal toe-piece secured to the sleepers and positioned against the forward face of the standards, bracing elements secured to the rear face of the sheathing and against the upper face of the deck, and a cementitious body enclosing said standards and arranged against the forward face of the sheathing.

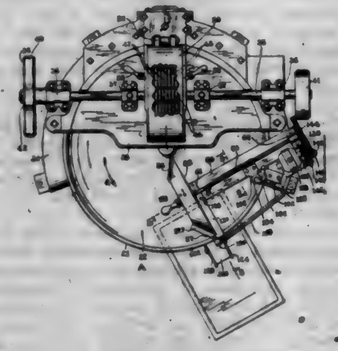
1,535,793. WATER-CHARGING APPARATUS. BASIL H. SAVAGE, San Francisco, Calif., assignor, by mesne assignments, to Michael J. Savage, Los Angeles, Calif. Filed Apr. 13, 1922. Serial No. 552,367. 1 Claim. (Cl. 225—21.)

In an apparatus for charging water with gas, a charging tank, a passage for connecting said tank to a source of water, a discharge passage for the charged water opening from the top of the tank, a valve for controlling the flow of charged water arranged in said passage, a passage connecting a source of gas to said valve



seat, and a passage extending from said valve seat to the bottom of said tank, said valve being recessed to connect said last two passages when the discharge water passage is closed.

1,535,794. UNLOADING MEANS FOR MEAT-CUTTING MACHINES. OSCAR C. SCHMIDT, Cincinnati, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 12, 1923. Serial No. 674,135. 22 Claims. (Cl. 146—215.)

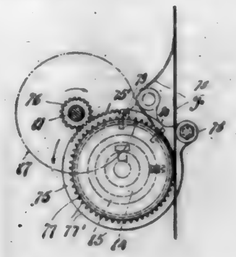


1. In a meat cutting machine, the combination of a rotary meat-trough, a rotary unloader, and means whereby to move said rotary unloader into said meat-trough.

1,535,795. FILM-ADJUSTING MECHANISM FOR CINEMATOGRAPHS OR THE LIKE. HERMANN SEUFERT, Brooklyn, N. Y. Filed Nov. 13, 1922. Serial No. 600,574. 1 Claim. (Cl. 88—17.)

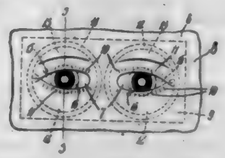
In a cinematograph or the like, the combination with a driven shaft and the film feeding drum thereon, of a film adjusting device comprising a wheel loosely mounted on said shaft and formed on its periphery with a toothed sector and diametrically opposite said sector with an arm extending parallel to said shaft across said drum, a roller rotatable on said drum and adapted

to bear against the outer face of said film, a spindle extending parallel to said shaft formed at one end with a hand wheel and at its opposite end with a pinion,



said pinion being adapted to mesh with said sector and means for limiting the rotary movement of said wheel to the length of a film picture.

1,535,796. DOLL. MABEL H. SLATER, New York, N. Y. Filed Feb. 23, 1924. Serial No. 694,504. 7 Claims. (Cl. 46—40.)



5. As an article of manufacture, an eye member for dolls comprising a receptacle provided with a chamber opening through one face thereof, an iris member shiftably positioned in said chamber and a piece of transparent material extending across said chamber opening and adapted to be fastened to the face portion of a doll in alignment with an eye opening in said face portion.

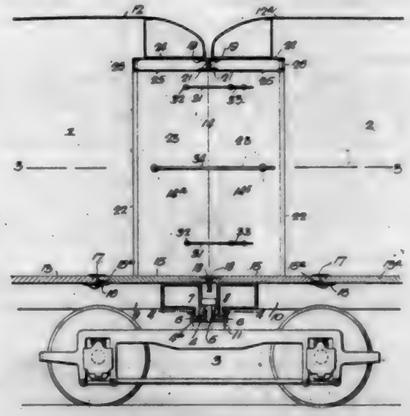
1,535,797. DECOLORIZING CARBON AND PROCESS OF PRODUCING THE SAME. LEONARD WICKENDEN, Flushing, N. Y., assignor to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1919. Serial No. 278,834. 14 Claims. (Cl. 252—8.)

1. The process of increasing the decolorizing power of porous, carbonized material which comprises boiling said material in an aqueous solution of manganese sulphate and effecting adsorption of the metallic radical thereof, and calcining the impregnated material at a temperature of about 860° to 900° centigrade in the presence of carbon-dioxide to effect the limited oxidation of said carbonized material and greatly increase its decolorizing power without undesirable oxidation loss thereof.

1,535,798. DECOLORIZING CARBON AND PROCESS OF PRODUCING THE SAME. LEONARD WICKENDEN, Flushing, N. Y., assignor to Industrial Chemical Company, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1919. Serial No. 318,043. 8 Claims. (Cl. 252—8.)

1. The process of increasing the decolorizing power of the porous carbonized residue of a vegetable solution, which comprises boiling said carbonized residue in a solution of magnesium chloride and effecting adsorption of the metallic radical thereof and calcining the incorporated material at a temperature of about 800 to 900 degrees centigrade in the presence of carbon-dioxide to greatly increase the decolorizing power of said carbonized material without excessive oxidation loss thereof.

1,535,799. ARTICULATED CAR. WALTER S. ADAMS, Philadelphia, Pa., assignor to The J. G. Brill Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 27, 1924. Serial No. 716,191. 8 Claims. (Cl. 105—4.)



8. The combination in an articulated car, of two body sections, each having a segmental bearing at one end; a truck having a center bearing for the segmental body bearings; a vestibule mounted on the frames of the body sections, said vestibule consisting of two parts, each part having a frame, the frame of one part abutting the frame of the other part; and curved side portions extending from each frame and closing the space between the ends of the two body sections.

1,535,800. AIR CLEANER. MARTIN E. ANDERSON, Denver, Colo. Filed Sept. 30, 1924. Serial No. 740,743. 8 Claims. (Cl. 183—34.)

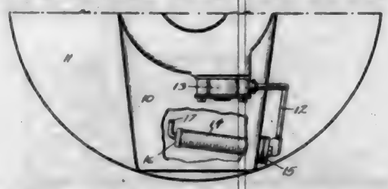


1. An air cleaner adapted to be attached to the air intake opening of an internal combustion engine comprising, in combination, a casing having an entrance opening and an exit opening, resilient means for varying the area of the entrance opening in accordance with the volume of air passing through the cleaner, whereby the velocity of the air on entering will be high at all rates of flow means for causing the air to make a sharp turn immediately upon entering the casing whereby solid particles carried by the air will be separated therefrom and means for entangling the dust thus separated so that it will not reenter the air stream.

1,535,801. OIL STRAINER. BLAINE ASHER, Spencer, Iowa. Filed Jan. 23, 1924. Serial No. 687,946. 2 Claims. (Cl. 210—170.)

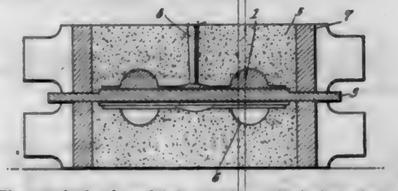
1. An oil strainer comprising a foraminous tube open at one end and having an end member at its other end,

an upwardly extending tube communicating with the interior of said strainer through the latter end, whereby



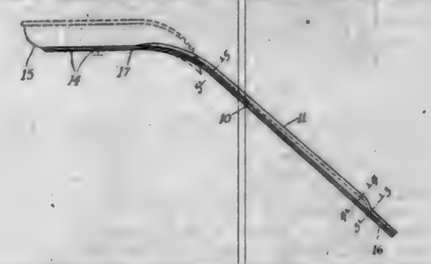
the oil from the oil container is permitted to pass when said oil is too cold to be drawn through said foraminous tube.

1,535,802. METHOD OF MULTIPLE CASTING. VICTOR F. BENDIXEN, Chicago, Ill. Filed July 18, 1923. Serial No. 652,414. 1 Claim. (Cl. 22—197.)



The method of multiple casting which includes forming a pattern impression in each of the opposed members of a flask, said impressions being duplicates, interposing between the impressions a core having its opposed faces duplicated and extending equally into the respective impressions, said core being formed with vertical gates extending therethrough, there being horizontal gates in the mold members communicating with the vertical gates, and then pouring metal into the mold.

1,535,803. SEAT SPRING. HERT R. BENJAMIN, Oak Park, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 11, 1920. Serial No. 423,236. 5 Claims. (Cl. 267—47.)



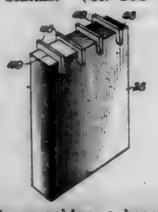
3. A flat spring of uniform cross section comprising two angularly disposed portions, one of said portions being relatively longer than the other and having a gradually diverging, longitudinally extending, embossed bead therein of both varying width and depth.

1,535,804. DRYING APPARATUS. LARS H. BERGMAN, Chicago, Ill., assignor to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed Oct. 13, 1923. Serial No. 668,333. 8 Claims. (Cl. 34—37.)

1. In apparatus for drying comminuted material, the combination with a closed tower adapted to receive material at the upper end and discharge it at the bottom thereof, of means for passing heated air through the tower in opposition to the movement of the material, inclined chutes over which said material slides by gravity, and means for separately varying the inclination of each of said chutes to vary the velocity of said material comprising, in each case, a shaft, arms fixed on said shaft, links connecting said arms with one of said chutes, a gear fixed to the shaft a transverse shaft, a worm on said transverse shaft adapted to mesh with said gear, and means for operating said transverse shaft.

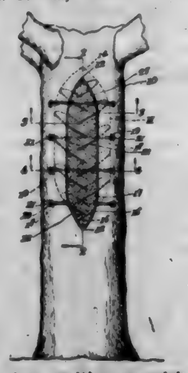


1,535,805. LUG-CUTTING MACHINE. JOSEPH W. BISHOP, Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed Sept. 22, 1921. Serial No. 502,335. 9 Claims. (Cl. 164—38.)



1. In a lug cutting machine, a base, a frame mounted on said base, a second frame adjustable relative to the first frame, adjustable guides carried by said frames, a pair of knives carried by said frames in parallel relation, means for feeding plugs along said guides and between said knives, a third knife arranged above said guides, and means actuated by the advancing plug for moving the third knife into position.

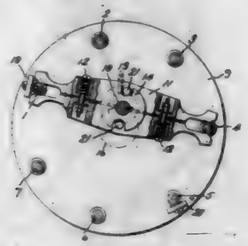
1,535,806. TREE SURGERY. CONWAY MONCURE BLUME, Orange, Tex. Filed May 22, 1924. Serial No. 715,160. 5 Claims. (Cl. 47—8.)



1. A filling for tree cavities comprising a homogeneous mass adapted to fill the cavity and provided with flexible insertes extending inwardly at an obtuse angle

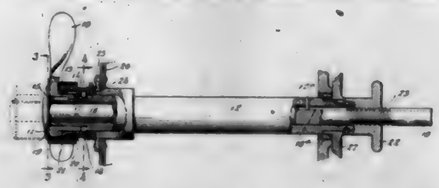
and in staggered relation from the opposite edges of the filler to permit flexing of the filler throughout its length and to prevent cracking thereof.

1,535,807. SWITCH. LOUIS F. BLUME, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 13, 1923. Serial No. 612,452. 5 Claims. (Cl. 200—6.)



1. A switch inculding a plurality of terminals, a terminal connecting member having surfaces for contact with said terminals, and means for supporting said connecting member and for moving it to carry one of its contact surfaces from one terminal to another in a curved path convex toward said supporting means and in a direction along said path opposite to that of said supporting means.

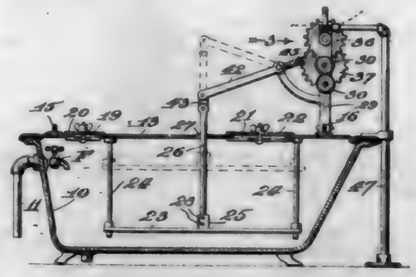
1,535,808. PROPELLER. FREDERICK BRACCO, Lynd-hurst, N. J. Original application filed May 29, 1922, Serial No. 564,434, Patent No. 1,491,512, dated Apr. 22, 1924. Divided and this application filed May 17, 1923. Serial No. 639,576. 3 Claims. (Cl. 170—160.)



3. The combination of a hollow shaft, a plurality of collars rotatably mounted upon said shaft and upon each other, propeller blades carried by said collars and located in a common circumferential plane, said blades being adjustable by said collars, in said common plane, to an unfolded, operative position and to a folded inoperative position, said collars being provided with apertures adapted to register with each other in each position of the blades, an auxiliary shaft slidably mounted within said hollow shaft, a head carried by said auxiliary shaft, locking members projecting from said head and adapted to enter said apertures to lock said blades in either position and means whereby said auxiliary shaft is slidably actuated to shift said locking members into and out of said apertures.

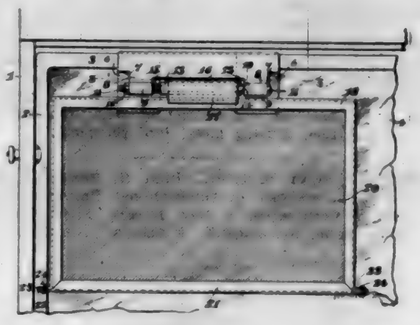
1,535,809. WASHING MACHINE. MAX BRANDT, Los Angeles, Calif. Filed Dec. 13, 1923. Serial No. 680,357. 1 Claim. (Cl. 68—37.)

A household laundering appliance comprising a cover plate that is adapted to be detachably positioned on top of a bath tub, a clothes receiving rack mounted for vertical reciprocatory movement beneath the central portion of said cover plate, guide rods depending from said cover plate, which guide rods provide bearings for the end portions of said vertically reciprocating rack, there being a normally closed opening formed in that portion of said cover plate that is positioned over the faucets of the bath tub, and a normally closed opening formed in said cover plate above the clothes receiving rack, a post secured to one end of said cover plate, the lower end of which post is adapted to rest on the



floor adjacent to the bath tub to which the cover plate is applied, and motor driven means mounted above one end of the cover plate for imparting reciprocatory movement to the clothes receiving rack.

1,535,810. GLARE SCREEN. JOHN BERY, Hancock, Mich. Filed Oct. 12, 1923. Serial No. 668,153. 1 Claim. (Cl. 296—97.)

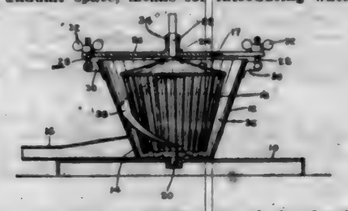


A device of the class described comprising a clip device adapted to bear over the upper edges of a support and having spaced bearings, one of said bearings having a notch in its inner end with the sides thereof in parallel relation, a rod extending through said bearings, a sleeve slidable on said rod and having a projection with its sides in parallel relation and adapted to engage said notch, a spring operating to hold said sleeve with its projection yieldably engaged with said notch when in one position, and positively locking the sleeve to the bearing when in one position and releasable only by moving the sleeve longitudinally, and a member supported by said sleeve and rotatable therewith upon the rod.

1,535,811. DEVICE FOR FREEING GLUTEN FROM STARCH. CHARLES H. BRIGGS, Minneapolis, Minn. Filed Oct. 18, 1922. Serial No. 595,414. 2 Claims. (Cl. 127—25.)

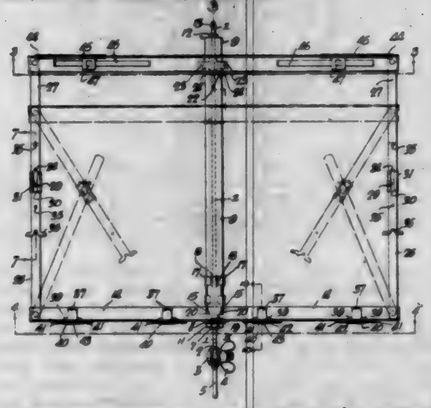
1. A device for freeing gluten from starch comprising a frusto conical imperforate receptacle having a roughened surface and having its smaller end down, a frusto conical imperforate member having a roughened surface and having its smaller end down, said member being spaced within said receptacle to form an annular chamber, and the walls of said receptacle and member being inclined at different angles whereby said chamber

is narrower at its lower end than at its upper end, means for rotating said member for kneading dough in said annular space, means for introducing water into



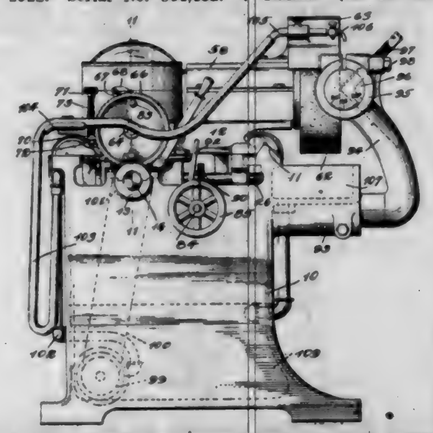
said space to wash the starch out of the dough, and means for permitting escape of the water and starch while retaining the gluten.

1,535,812. MUSIC STAND. CHARLES A. CARMANY, Schaefferstown, Pa. Filed Apr. 11, 1922. Serial No. 551,444. 15 Claims. (Cl. 45—14.)



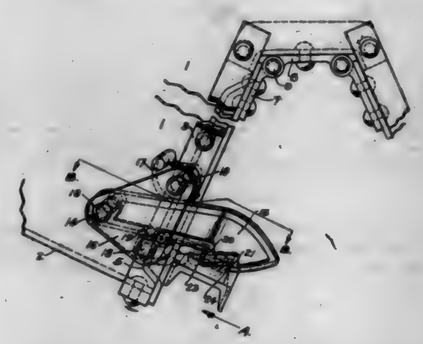
1. The combination in a music stand, of a supporting spindle; a flat supporting bar mounted to turn on said spindle and having means for holding it in either of its two positions; an upper and a lower rail; connecting links at the ends of the rails; and means for removably holding the rails to the bar.

1,535,813. LATHE-KNIFE-GRINDING MACHINE. WILLIAM H. COLLIER, Painesville, Ohio. Filed May 29, 1922. Serial No. 564,452. 7 Claims. (Cl. 51—56.)



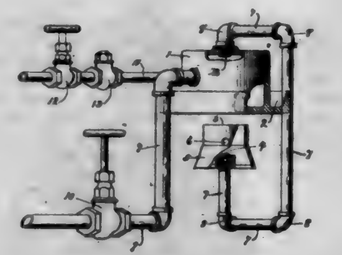
1. In a grinder for veneer knives, means to support a knife, a grinding wheel, driving means for said wheel, traversing means to move said wheel longitudinally in front of said knife support, reversing means for reversing the action of the traversing means at each end of the longitudinal movement of the grinding wheel, and an automatic feed arranged to advance the grinding wheel toward the knife support in a step by step movement said automatic feed being operated by the action of the reversing means.

1,535,814. CAR-DOOR MECHANISM. WILLIAM F. CREMEAN, Toledo, Ohio. Filed Apr. 28, 1923. Serial No. 635,192. 11 Claims. (Cl. 105—308.)



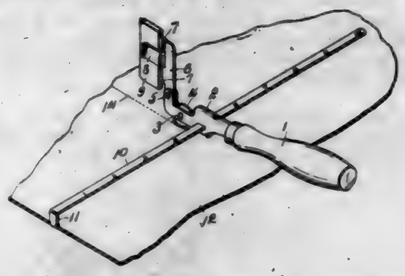
1. A car device including in combination with a hinged car door, a reinforcing bar attached to the outer surface of said door, said bar having secured thereto a plurality of hook engaging ledges, a hook pivoted upon the side of the car provided with a plurality of door engaging ledges, said ledges being located in the same spaced relation as the ledges on the door-reinforcing bar.

1,535,815. OIL BURNER. WALTER T. CUNNINGHAM, Wichita, Kans. Filed Oct. 2, 1924. Serial No. 741,176. 1 Claim. (Cl. 158—81.)



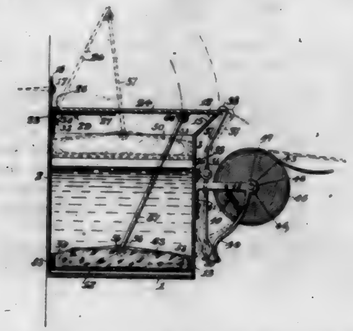
In an oil burner, a retort chamber having an annular integral pan thereabout, an outlet at the top of said chamber, a burner positioned concentrically beneath said chamber and connected to said outlet, a mixing sleeve surrounding said burner and having a frusto conical lower portion and a perforated cylindrical upper portion a valved oil inlet to said retort, a valved gas inlet connecting with said oil inlet between the valve thereon and the retort, and a check valve on the gas inlet pipe between the valve and the connection to the oil inlet, whereby the gas is cut off by an excess of pressure in the retort, substantially as shown and for the purpose described.

1,535,816. MARKING GAUGE. LILLIAN M. DARNEY, Kansas City, Kans. Filed Oct. 30, 1922. Serial No. 597,880. 8 Claims. (Cl. 33—42.)



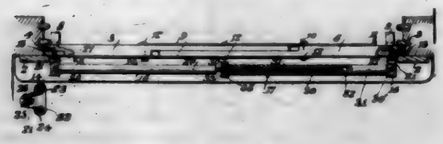
1. In a marking gauge, a handle, a marking wheel rotatable thereon, and a chalk holder movable on the handle to positions in which the wheel or the chalk holder may be used in operative alinement with each other for marking purposes, substantially as set forth.

1,535,817. LIQUID-SUPPLY DEVICE FOR TOILET PURPOSES. CHARLES DIONNE, Lowell, Mass. Filed Aug. 20, 1924. Serial No. 734,362. 8 Claims. (Cl. 4—1.)



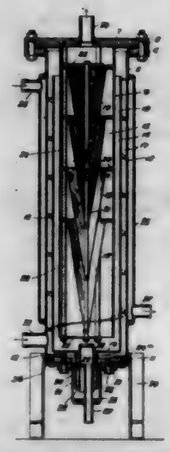
1. A liquid supply device for toilet purposes comprising a liquid cleansing medium reservoir, a water reservoir, a spring controlled cover common to and normally closing said reservoirs, means for automatically releasing said cover, a pair of vertically movable carriers arranged within said reservoirs and each provided with an absorbent body, and connections between said cover and carriers whereby these latter are automatically elevated in said reservoirs when the cover is released.

1,535,818. SECTIONAL-WINDOW-SCREEN LOCK. HORACE R. ELLIS, Meadville, Pa. Filed July 8, 1924. Serial No. 724,830. 4 Claims. (Cl. 292—278.)



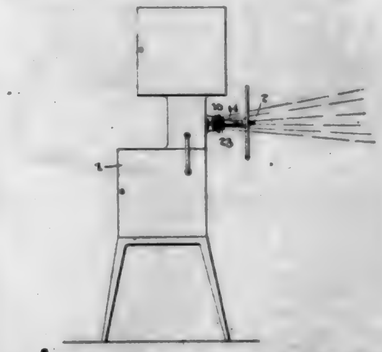
1. A locking device for the sections of a window screen comprising a pair of telescopic locking bars adjustable relatively to each other and each adapted to be secured to one of the sections of the screen, an adjustable nut threadedly engaging with one of said bars, extended therefrom and having its extended portion provided with an opening spaced from said bar, a fixed plate secured to and extended from the inner end of the other of said bars and having its extended portion provided with an opening for registration with the opening in said nut, and means extending through the registered openings for coupling the nut and plate together thereby maintaining the said bars in adjusted position.

1,535,819. COOLER AND SEPARATOR. WILLIAM L. R. EMMET, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 26, 1922. Serial No. 609,162. 8 Claims. (Cl. 183—32.)



1. In an apparatus of the character described, the combination of an elongated closed casing, walls within the casing forming a series of chambers, said chambers lying one within the other and extending longitudinally of the casing, alternate adjacent ends of said chambers being in communication with each other whereby said chambers are connected in series, means forming a spiral passage through the outermost chamber in a longitudinal direction, a plurality of screens within the innermost chamber, an inlet conduit and an outlet conduit connected with the interior of the casing, and cooling means surrounding the casing.

1,535,820. SHUTTER-TIMING MECHANISM FOR MOTION-PICTURE MACHINES. JOHN C. FOSTER, Merkel, Tex. Filed Jan. 24, 1924. Serial No. 688,229. 8 Claims. (Cl. 88—19.3.)



1. A shutter timing mechanism for the purpose set forth comprising a shutter carrying member, means engaging one end of said member for shifting it lengthwise with respect to a revolvable shutter driving shaft, and a combined guide and securing element carried by said means for revolving said member to adjust the shutter when said member is shifted lengthwise, said element common to said means and member for securing said means and member to said shaft to provide for the bodily revolving of said member, means and element with said shaft.

1,535,821. SPRING WHEEL. DAVID E. FULTZ and OTIS L. GRIGG, Madill, Okla. Filed Mar. 20, 1924. Serial No. 700,658. 3 Claims. (Cl. 152—45.)



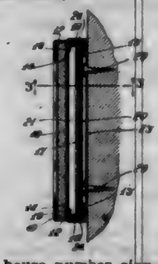
1. A vehicle wheel comprising a tire, an annular web within the tire and attached thereto, a spider within the annular web and having its outer portion comprised between spaced portions thereof, and substantially radial spring connections between the spider and web.

1,535,822. REMEDIAL APPLIANCE. ROY GOODWIN, Wilmette, Ill. Filed July 5, 1923. Serial No. 649,409. 3 Claims. (Cl. 128—60.)



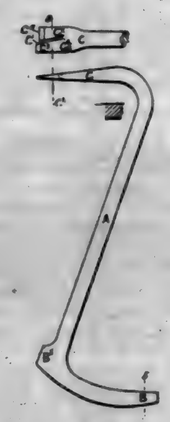
2. A remedial device of the class described comprising a ball upon which the patient can lie and roll in a massaging operation, an elongated protuberance projecting from the spherical periphery of said ball, said protuberance projecting upwardly in use for localizing a concentrated pressure on the abdominal wall below the sternum, the upper convex surface of the ball immediately surrounding said protuberance applying a general pressure to the abdominal wall around said region of concentrated pressure.

1,535,823. LUMINOUS SIGN. ROY GOODWIN, Wilmette, Ill. Filed Mar. 22, 1924. Serial No. 700,994. 8 Claims. (Cl. 40—134.)



3. A luminous house number sign comprising a frame having top and bottom channels, a plurality of separate interchangeable characters adapted to be received in said channels, and shoes at top and bottom of each character of semi-circular cross section for resilient gripping in said channels.

1,535,824. COMBINED NAIL PULLER AND CASE OPENER. HENRY CHARLES GORE, Dunedin, New Zealand. Filed Feb. 26, 1923. Serial No. 621,309. 2 Claims. (Cl. 7—17.)



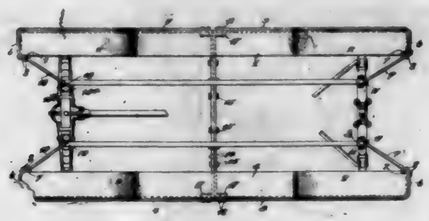
1. A tool of the character described comprising a shank provided with an angularly bent part, said part having a flattened portion adjacent one end, said portion being formed with a slot in a plane intersecting the flat surfaces of said portion and the terminal edge thereof, thereby bifurcating said portion, one of said bifurcations being provided with a chisel edge and the other terminating in a blunt edge in advance of said chisel edge, the walls of said slot being formed with shearing edges.

1,535,825. NONSET AUTOMATIC PHONOGRAPH STOP. CHARLES R. GOTSHALL and RALPH S. SNYDER, Uhrichsville, Ohio. Filed May 16, 1922. Serial No. 561,859. 2 Claims. (Cl. 192—118.)



1. A sound reproducing machine stop device, comprising a tone arm and quadrant arm, and means for coupling them for simultaneous movement, a fulcrum wheel driven by the machine motor, a stop quadrant and driving means between the stop quadrant and the quadrant arm, trip means between the stop quadrant and the turn table of the machine, and brake means responsive to movement of the trip means to apply the braking means to the turn table to stop it.

1,535,826. FENDER-PROTECTING BRACE. ELLIS FAYETTE GRAHAM, Louisville, Ky. Filed Apr. 15, 1924. Serial No. 706,764. 1 Claim. (Cl. 280—152.)



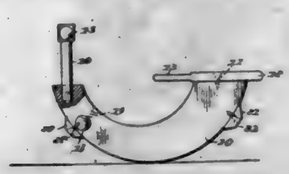
In combination with an automobile chassis having running boards at its opposite sides and wheel fenders at the ends of the running boards, a brace structure comprising sections extended around the ends of the wheel fenders and along the outer edges of the fenders and the running boards, bracing bars disposed transversely of the intermediate portion of the chassis and connected with each other and disposed in parallel relation, said bars having angularly disposed end portions extending in opposite directions and secured to the intermediate portions of the said sections at points below the intermediate portions of the running boards, and brace rods connected at their outer ends with the end portions of the sections which are disposed around the ends of the fenders, said brace rods being provided at their inner ends with angularly disposed extremities and clamp devices connecting said extremities with the chassis at the ends thereof.

1,535,827. BAKER'S DOUGH BOX. SAM GREENWALD, Brooklyn, N. Y. Filed Dec. 15, 1924. Serial No. 755,847. 10 Claims. (Cl. 107—7.)



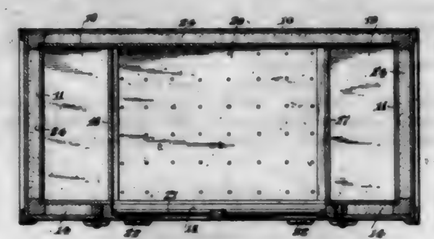
1. The combination with a baker's dough box, of a sheet, means for rolling up said sheet when not in use, and means for maintaining said sheet in the operative position thereof in spaced relation to the bottom of said box.

1,535,828. KIDDIE BOAT. CHARLES H. GUISCHARD, Richmond Hill, N. Y. Filed Jan. 2, 1923. Serial No. 610,335. 1 Claim. (Cl. 272—53.)



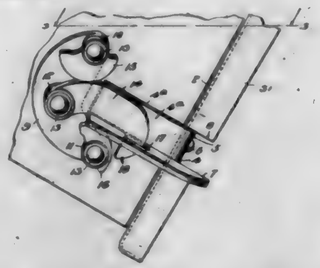
A toy having a crescent-shaped rocker provided at its extremities respectively with a handle bar and a seat, foot rests extending laterally from the rocker adjacent its front end, and front and rear yielding bumpers projecting downwardly from the under or bearing face of the rocker adjacent the front and rear ends, the front bumper being disposed adjacent the foot rests whereby pressure on said bumper may be regulated to effect a step by step forward progress of the rocker over its supporting surface.

1,535,829. ELECTRIC INCUBATOR HEATER. CLAUDE HAMILTON, Garnett, Kans. Filed Feb. 28, 1924. Serial No. 695,731. 1 Claim. (Cl. 219—19.)



In a device of the class described, a stationary support, a combined supporting rod and adjusting member threaded at one end and mounted for rotation in the stationary support and extending externally of the same, said extended portion having means for the application of a turning implement, a movable supporting member attached at one end to the stationary support and with a threaded aperture engaged by the threaded rod, a diaphragm actuated member bearing upon said movable support, a lever arm mounted to swing and with an electric contact at one end and pivoted at the other end to said diaphragm operated means, and an electric contact adapted to be engaged by the contact of said lever arm when the diaphragm member is expanded, said contacts being connected into an electric circuit.

1,535,830. CAR-DOOR MECHANISM. CLEON M. HANNAFORD, Richmond, Va., assignor to Wine Railway Appliance Company, Toledo, Ohio, a Corporation of Ohio. Filed May 2, 1924. Serial No. 710,593. 11 Claims. (Cl. 105—308.)

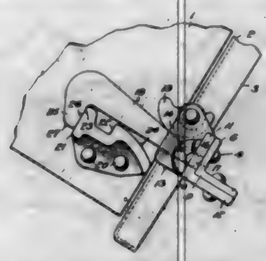


8. The combination with a hopper, of a swinging door adapted to close the opening thereof, of a bracket rigidly mounted on the side sheet of said hopper, an angle bar connected to the outer face of said door, a portion of said angle bar projecting beyond a free edge of said door, said projecting portion extending substantially parallel to and overlying said hopper sheet, means mounted on said bracket for engaging the projecting portion of said angle bar, and means pivotally connected to said bracket for maintaining said first named means in engaging position.

1,535,831. CAR-DOOR MECHANISM. CLEON M. HANNAFORD, Richmond, Va., assignor to Wine Railway Appliance Company, Toledo, Ohio, a Corporation of Ohio. Filed May 2, 1924. Serial No. 710,594. 6 Claims. (Cl. 105—308.)

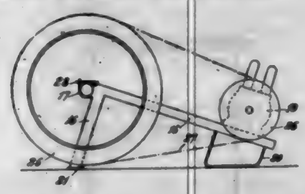
2. In combination with a hopper, of a swinging door adapted to close the opening thereof, a flanged spreader connected to the outer face of said door, a portion of said spreader extending beyond a free edge of said door, a flanged bracket overlying and secured to the projecting

portion of said spreader, a hook pivotally connected to said bracket, said hook being adapted to overlie the side sheet of said hopper, and a member connected to said



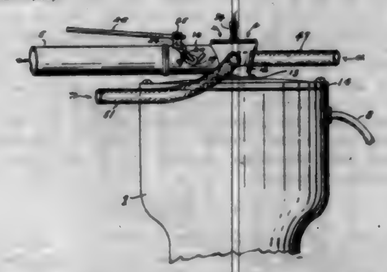
hopper side sheet for cooperation with said hook, said member having a plurality of hook engaging seats whereby said hook may support said door in a plurality of positions.

1,535,832. COUPLING ARRANGEMENT BETWEEN A PUMP AND AN AUTOMOBILE. JACOB CHRISTIAN HANSEN-ELLEHAMMER, Hellerup, Denmark. Original application filed Apr. 12, 1923, Serial No. 631,563. Divided and this application filed Feb. 23, 1924. Serial No. 694,581. 5 Claims. (Cl. 103—218.)



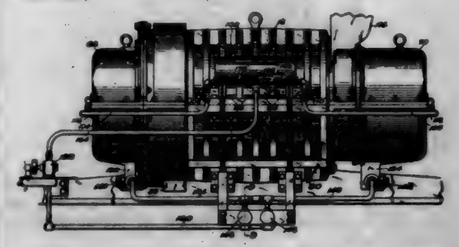
1. Coupling arrangement between a pump an automobile, consisting of a pump and a lever, said lever having one arm with which the rear end of the automobile is lifted and supported with one or both rear wheels in an elevated position, and the second arm of the lever having the pump supportingly mounted upon it, whereby the weight of the pump acting on said arm of the lever will lock the automobile in an elevated stationary position.

1,535,833. PNEUMATIC-CONTROL VALVE. CLINTON H. HANSON, Chicago, Ill., assignor to Motor Player Corporation, a Corporation of Illinois. Filed Sept. 16, 1920. Serial No. 410,753. 19 Claims. (Cl. 84—41.)



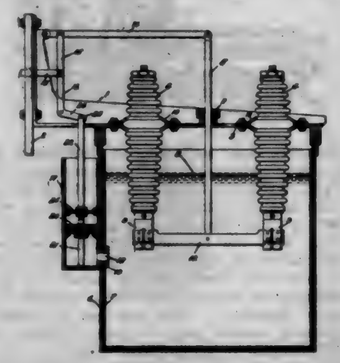
1. In a suction mechanism for operating a player piano, an electrically driven motor and fan suction device, means whereby the air impelled by the fan is caused to flow past the motor for cooling purposes, a hollow member attached to the suction device, a tube projecting laterally from the member and connected with the wind chest of the player piano, means for closing the passageway in the tube by varying degrees and a yieldingly operated valve opening to the atmosphere intermediate said means and the suction device, whereby the air passing through the device remains constant in volume independently of the volume of air flowing through said wind chest.

1,535,834. METHOD OF AND APPARATUS FOR WORKING PAPER STOCK. ANTON J. HAUG, Nashua, N. H., assignor to Improved Paper Machinery Company, Nashua, N. H., a Corporation of Maine. Filed Apr. 6, 1921. Serial No. 459,057. 38 Claims. (Cl. 92—20.)



33. A machine for working paper stock having a casing presenting a curved stock-receiving surface, one or more rolls within the casing, means to cause the roll to move over the curved surface in an orbital path, and scraping devices for the roll and for the surface also movable in an orbital path and adapted to remove the accumulated material and impel it against the stock-receiving surface.

1,535,835. ELECTRIC SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 20, 1922. Serial No. 601,956. 6 Claims. (Cl. 200—150.)

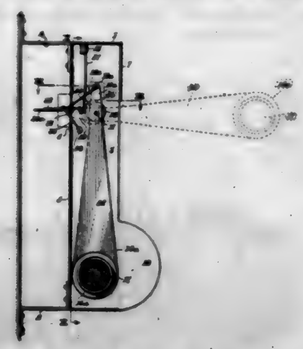


1. A switching apparatus comprising a tank, electrodes separable within said tank to break a circuit, means for operating said electrodes, and a device responsive to pressure within said tank to prevent reclosure of said electrodes, said electrodes being movable independently of said device.

1,535,836. TRAFFIC SIGNAL FOR AUTOMOBILES. EDWIN L. HILMER, Hagersville, Pa. Filed Dec. 28, 1922. Serial No. 609,468. 2 Claims. (Cl. 116—53.)

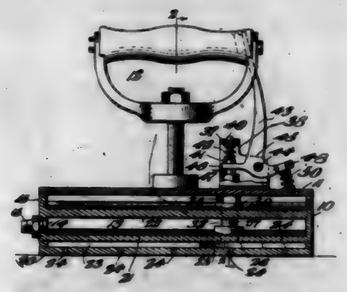
1. In a signal of the class described, a casing having a closed upper end and having an outer side portion open, a shaft extending through said casing, a signal arm movable through the open side and having a cam constituting a hub and mounted eccentrically on said shaft,

said cam having a latch shoulder formed thereon, a spring finger having one end fixed to the casing and its other end frictionally engaging the hub to check swinging of the arm in normal position, said finger engaging



the shoulder to hold the arm raised upon movement of the arm to signalling position, means to actuate the arm, and means to move the finger off the shoulder to release the arm.

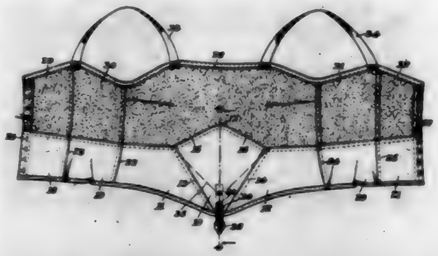
1,535,837. STEAM PRESSING IRON. HARRY A. KOENIG, Philadelphia, Pa. Filed July 28, 1923. Serial No. 654,344. 2 Claims. (Cl. 68—26.)



1. A pressing iron, comprising in combination an iron body having a steam chamber longitudinally disposed therein and having its bottom wall inclined toward one side of the iron, a steam inlet communicating with the high side of said chamber and a steam outlet communicating with the low side of said chamber, said body also having a distributing channel longitudinally disposed below said steam chamber, means for establishing communication between said steam chamber and said distributing channel, a valve arranged to control said communicating means, and a device exterior of said iron body arranged to actuate said valve.

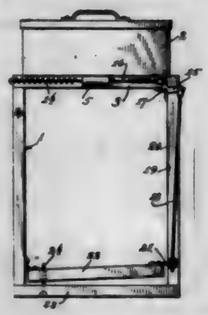
1,535,838. BRASSIÈRE. WALDEMAR KOPS, New York, N. Y., assignor to Nemo Circlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 25, 1923. Serial No. 634,440. 5 Claims. (Cl. 2—42.)

5. In a brassière, a lower or girdle member and an upper member of lace or open-work material, the said girdle member having a front central section and a tension member underlying the front central section and at its upper edge secured to the upper edge of the front central section, a tape secured at one end to the lower edge of the tension member, a hook secured to the opposite end of the tape and adapted to engage with each of a plurality of eyelets provided therefor in the front central section, and a hook adjustable to position on the tape and adapted to engage with an under garment whereby tension is applied both circumferentially and longitudinally through the front central section and



only longitudinally through the tension member to adjust and secure the garment in position on the body of the wearer.

1,535,839. AUTOMATIC HOG-OILING DEVICE. ORLANDO A. LEMON, York, Nebr. Filed Feb. 29, 1924. Serial No. 696,022. 3 Claims. (Cl. 119—159.)

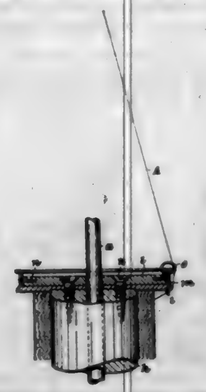


2. A stock disinfecting device comprising a frame, a reservoir mounted thereon, a casing associated with the bottom of said reservoir, the casing having an opening in the upper portion thereof communicating with an opening provided in the bottom of said reservoir, a cylinder suuported in said casing and adapted for slidable movement therein, said cylinder having an opening in the upper portion thereof communicating with said mentioned openings, whereby the cylinder may be filled with the liquid disinfectant contained in said reservoir by the action of gravity, means for normally holding said cylinder in its filling position, said cylinder having a discharge opening in the bottom thereof adapted to register with a discharge opening provided in the bottom of said casing upon the forward movement of said cylinder in said casing, means in said frame and connected with said cylinder for moving the same into an operative position upon the passing of stock through said frame, whereby the charge within said cylinder is dispensed through said discharge openings onto said stock by the action of gravity.

1,535,840. APPARATUS FOR SPINNING. EMORY J. LIPPS, Fountain Hill, Pa. Filed Dec. 13, 1924. Serial No. 755,619. 5 Claims. (Cl. 117—26.)

1. A yarn spinning unit of the class specified including, in combination, a rotating support having the windings to be delivered wound around its axis of rotation and having at the delivery end of the mass of windings an endless race formed around said axis, and a traveler adapted to receive and guide the delivered

portion of the yarn and operatively connected with the race and free to slip around the same continuously, said support also having at said end of the mass of windings



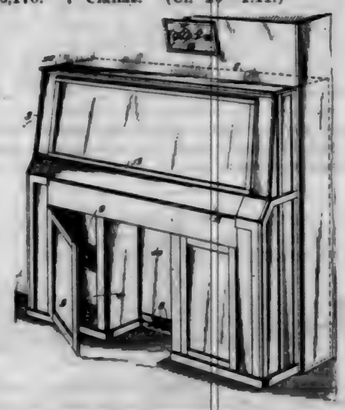
a smooth peripheral contact surface substantially concentric with said axis and around which said delivered portion of the yarn is held bent and in wiping contact therewith.

1,535,841. FASTENER. LOUIS A. LUPIEN, Brooklyn, N. Y., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Filed Feb. 7, 1924. Serial No 691,136. 4 Claims. (Cl. 24—206.)



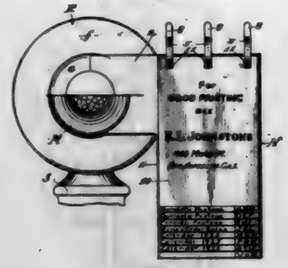
1. A fastening device comprising a keeper plate having adjustment openings therein and upstanding shoulders surrounding the rims of such openings and a hook engageable in said openings having a shank with a depression therein to snap over in back of such shoulders when the hook is engaged in the openings.

1,535,842. BUILT-IN PIANO. MALCOLM M. MACDONALD, Tacoma, Wash. Filed May 2, 1923. Serial No. 636,170. 7 Claims. (Cl. 20—1.11.)



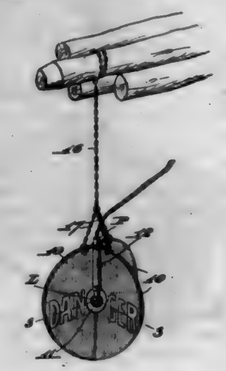
1. A built-in piano comprising the combination with the wall of a room, of a piano action enclosing casing secured to and having its back formed by said wall, said casing formed of the same material and finished similar to the woodwork of the room in which the casing is installed.

1,535,843. TELEPHONE INDEX. JESSE MCCOMAS, Los Angeles, Calif. Filed Mar. 27, 1924. Serial No. 702,407. 5 Claims. (Cl. 40—10.5.)



1. A telephone index including a holder integrally formed of sheet metal and having a vertically extended portion and a horizontally extended portion formed in the same plane, said horizontal portion being adapted for attachment to a telephone transmitter, and said vertical portion having elongated cuts made therein with the material from said cuts formed into narrow strips and bent upwardly and thence forwardly and rearwardly, forming loops and supporting portions for holding a plurality of index cards in operative and inoperative position thereon.

1,535,844. EXTENDED-LOAD DANGER SIGNAL FOR VEHICLES. FREDERICK M. MCLEMORE, Los Angeles, Calif., assignor, by mesne assignments, to L. L. Hollister, Los Angeles, Calif. Filed Jan. 29, 1924. Serial No. 689,252. 5 Claims. (Cl. 40—130.)

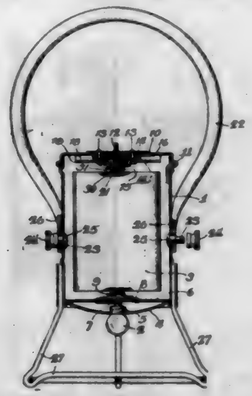


1. In an extended load danger signal, a plurality of radially arranged connected plates that are colored red, each pair of the adjacent faces of said plates bearing the word Danger a flexible member for suspending said signal from a support whereby said signal may rotate and swing freely in all directions.

1,535,845. ELECTRIC LANTERN. THOMAS MEE, Jr., Clinton, Ill. Filed Oct. 15, 1923. Serial No. 668,561. 15 Claims. (Cl. 240—8.5.)

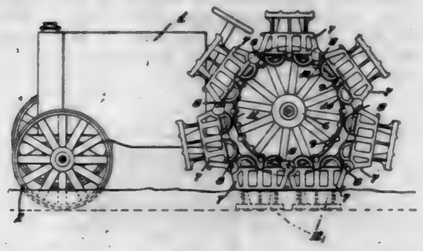
1. In an electric lantern, a metal body, a lamp socket for the bottom of said body, a battery in said body, a cover for the top of said body, a switch on said cover, said switch comprising contacts which engage and disengage each other to close and open the circuit of the lamp, whereby the entire switch is carried by the cover, means to connect one terminal of the lamp with the bot-

tom of said battery, and means to connect said switch with the top of said battery, the other terminal of the lamp being in contact with the bottom of said body,



said body being of metal, whereby operation of said switch will open or close the lamp circuit through said battery and including said body.

1,535,846. LEVELING MEANS. ROYAL R. MILLER, Chicago, Ill., assignor to Miller Traction Tread Company, a Corporation of Delaware. Filed Feb. 6, 1922. Serial No. 534,379. 6 Claims. (Cl. 180—41.)



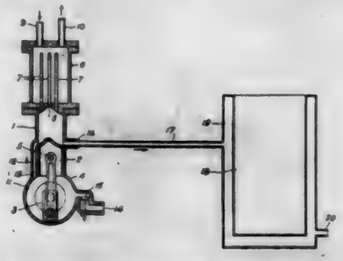
1. The combination with a tractor having track-laying tread type driving means, of leveling means adapted to be detachably secured on said driving means on one side of the tractor to maintain the tractor frame in proper position to be used for plowing.

1,535,847. AUTOMOBILE BUMPER. RICHARD T. NEWTON, New York, N. Y. Filed Nov. 20, 1920. Serial No. 425,342. 5 Claims. (Cl. 180—83.)



1. A bumper of the character described, comprising an impact member extending transversely of the vehicle, strap metal supporting arms for the ends of said impact member, said supporting arms extending outward beyond the plane of the running wheels of the vehicle, and brake shoes mounted on the said supporting arms in substantial alignment with said wheels and adapted to engage the peripheries thereof on inward deflection of said arms.

1,535,848. AIR REFRIGERATING APPARATUS. ARTHUR HAROLD NICHOLSON, Worcester, England. Filed Sept. 3, 1924. Serial No. 735,666. 3 Claims. (Cl. 62—136.)



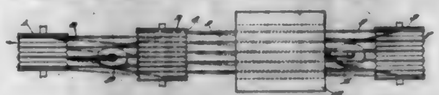
1. A refrigerating apparatus comprising, in combination, a pump cylinder having an outlet in its wall, a piston reciprocating in said cylinder, a crank case connected to one end of said cylinder, a crank rotatable in said crank case, a connecting rod connecting said piston and said crank, a chamber connected to the other end of said cylinder, tubes in said chamber, closed at one end and open at the other end to said cylinder, means for cooling said tubes, means for admitting gaseous fluid to said crank case, a refrigerating chamber and a pipe connecting the outlet of said cylinder with said refrigerating chamber.

1,535,849. CLINICAL-THERMOMETER TUBING. MATSUBURO NODA, New York, N. Y. Filed Mar. 16, 1921. Serial No. 452,670. 2 Claims. (Cl. 73—52.)



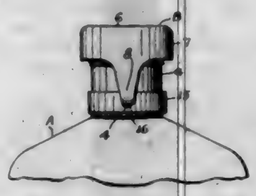
1. A prismatical thermometer comprising a substantially triangular transparent body, a mercury tube positioned in said body at the approximate center thereof, means forming a reflecting surface positioned behind said tube and extending substantially the length of the base of the triangular body, guide lines in said body on opposite sides of the mercury tube parallel therewith for guiding the eye and index marks located near the apex of said triangular body for reading the position of the mercury column.

1,535,850. APPARATUS FOR ENAMELING ARTICLES. ELIOT O'HARA, Waltham, Mass. Filed Feb. 18, 1924. Serial No. 693,588. 4 Claims. (Cl. 91—55.)



1. Apparatus for enameling articles having a conveyor for supporting the articles while receiving the coating of enamel, a second conveyor onto which the coated articles are transferred automatically from the said first conveyor and a furnace through which the articles are carried by the second conveyor, each conveyor having a plurality of parallel runs, the adjacent ends of the runs of the two conveyors lapping past each other for some distance in such manner that the lapping portions of each run of each conveyor will be intermediate two runs of the other conveyor.

1,535,851. CLOSURE DEVICE. LOUIS R. O'NEILL, Newark, N. J., assignor to The Mennen Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 28, 1922. Serial No. 547,583. 1 Claim. (Cl. 221—60.)



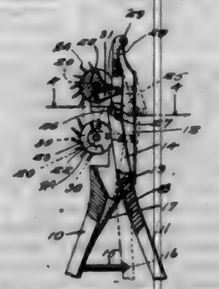
A container closure, comprising a discharge nozzle having a smooth cylindrical portion and an exteriorly threaded portion of a greater diameter than the threaded portion, said smooth portion being substantially longer than the threaded portion, a sleeve mounted on the nozzle, and provided with a pair of oppositely disposed openings, and an interiorly threaded closure cap having a pair of downwardly extending and converging arms formed integral with the cap and adapted for pivotal connection with the sleeve, said sleeve being of a width that will permit the cap to clear said discharge nozzle when swung to and from its closed position.

1,535,852. BISCUIT-MAKING APPARATUS. CHRISTIAN ORNDO, Toronto, Ontario, Canada. Filed Nov. 22, 1924. Serial No. 751,656. 5 Claims. (Cl. 107—52.)



1. In a device of the class described, an open ended cylinder, a flange forming an abutment at the front end thereof, a mouthpiece positioned against such abutment, said mouthpiece being provided with an orifice, a retainer securing said mouthpiece, means for detachably locking the retainer to the cylinder, a head fitted to the rear end of such cylinder, a piston, and means carried by the head for operating the piston within the cylinder in order to expel its contents through the orifice of the mouthpiece.

1,535,853. PIANO-HAMMER FELT-SOFTENING TOOL. DANIEL PRIDE, Wichita, Kans. Filed Sept. 27, 1923. Serial No. 665,186. 6 Claims. (Cl. 84—460.)



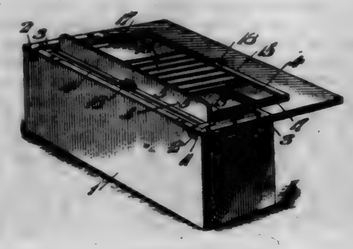
1. A tool for softening piano hammer felts having turnable prickers, and means to operate said prickers toward each other and with respect to the same hammer.

1,535,854. DIMMER FOR AUTOMOBILE HEADLIGHTS. GLENN PRATT, Springfield, Mo. Filed Mar. 5, 1923. Serial No. 622,974. 2 Claims. (Cl. 240—486.)



1. A shield for automobile headlights comprising a one-piece sheet metal member having a body portion with an aperture therein to fit over the top of the headlight bulb and side wings extending downwardly therefrom to straddle the bulb, the front portion of said body member having a visor projecting forwardly in advance of the bulb to deflect the light rays against impinging the top of the deflector, and a bendable metal strip carried by one of the wings adapted to be bent around the connection which unites the bulb to its conductor to assist in holding the device in operative position.

1,535,855. VERTICAL FILING SYSTEM. WILLIAM A. RINGLER, Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Apr. 15, 1921. Serial No. 461,723. 12 Claims. (Cl. 129—16.)

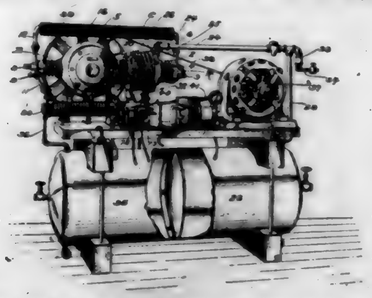


1. In a card filing system, a cabinet, card-carrying frames disposed vertically within said cabinet and adapted when raised to be supported laterally above said cabinet to render the cards carried by said frames accessible, said frames having guide members which when in raised position extend above the cabinet.

1,535,856. COMBINATION AIR COMPRESSOR AND VACUUM PUMP. EDWARD A. RIX, San Francisco, Calif. Filed May 15, 1924. Serial No. 713,899. 15 Claims. (Cl. 230—32.)

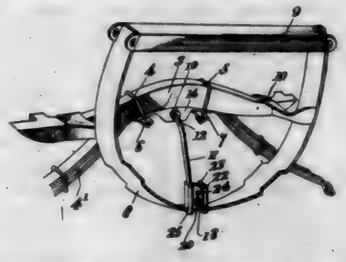
1. A device of the character described, comprising a pair of cylinders, a piston in each cylinder, one cylinder serving as an air compressor and the other as a vacuum pump, a tank for the reception of the compressed air, a tank connected with the second cylinder and adapted to be evacuated thereby, means for transmitting a reciprocal movement to the pistons, an elec-

tric motor for driving said means, means actuated by a predetermined pressure in the compressed air receiving tank for automatically throwing the compressing



cylinder out of action, and means actuated by a predetermined vacuum in the other tank for throwing the vacuum producing cylinder out of action.

1,535,857. TIRE-RACK BRACE. JOHN QUINCE ROBERTS, Memphis, Tenn. Filed Aug. 22, 1923. Serial No. 658,801. 1 Claim. (Cl. 224—29.)



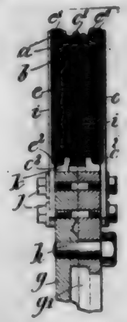
In combination with a vehicle having a tire rack, a pair of channel clamps having claws adapted to grasp the tire rack said clamp having perforations therein, a rod having a lower angular threaded end adapted to be selectively engaged in the perforations and having nuts on opposite sides of the clamp members for securing the rod to the clamp members and the clamp members together, a block secured to the upper angled end of said rod and adapted to fit beneath the arched channel bar of the frame and having slotted diverging wings extending from the upper side edges of the block, a spring fitted within the channel bar and partially held in place by said slotted wings, and U-shape bolts having plates for securing said wings to the frame member.

1,535,858. METAL AND METAL ALLOY FOR THERMOELECTRIC PURPOSES IN PARTICULAR FOR MAKING THERMOCOUPLES. WILHELM ROHN, Hanau, Germany. Filed May 14, 1920. Serial No. 381,520. 2 Claims. (Cl. 204—64.)

1. The method of preparing uniform base metals and base metal alloys for use in thermocouples, which comprises degasification by melting under predetermined reduced pressures and predetermined temperatures.

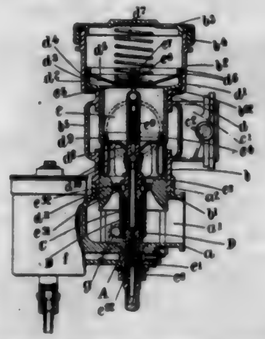
1,535,859. COIL FOR ELECTRICAL TRANSFORMERS. JAN ROOTHAAN, Hayes, England. Filed Feb. 8, 1922. Serial No. 534,888. 7 Claims. (Cl. 175—362.)

1. A transformer coil comprising adjacent sets of convolutions of bare conductor, radial separators adapted to space the sets of convolutions apart, distance pieces, each consisting of a small plate, interposed between successive convolutions of the same set to space them apart, and radial binders applied to each set of convolutions after the winding thereof is completed, the separators, distance pieces and binders being separate



members all formed of homogeneous insulating material and being arranged at intervals around the convolutions of conductor in such a manner that the convolutions are mainly insulated from each other by air previous to immersion in oil.

1,535,860. CARBURETOR FOR INTERNAL-COMBUSTION ENGINES. FREDERICK HENRY ROYCE, Derby, England, assignor to Rolls Royce Limited, Derby, England. Filed May 14, 1924. Serial No. 713,287. 7 Claims. (Cl. 261—49.)



1. A carburetor, comprising an outer cylindrical member provided with an enlarged circumferential portion constituting a throttle chamber and having a fuel nozzle therein, and an induction pipe communicating with such portion; an inner cylindrical member slidable in the outer member and formed with circumferential ports which, according to the relative positions of the two members, open more or less into said chamber; a diaphragm in the inner member above said ports; and means whereby the position of the inner member within the outer member is automatically adjusted by the degree of vacuum in the throttle chamber.

6. A carburetor for internal combustion engines, comprising an outer cylindrical body member having a circumferentially-enlarged portion constituting a throttle chamber from which the induction pipe to the engine is branched; an inner cylindrical member slidable in the outer member having its lower portion shaped to form a choke tube and communicating with the air inlet; a nozzle with which the choke tube is associated; and a suction-actuated diaphragm carried by the upper portion of the inner member for controlling the sliding movements of that member, the portion of said inner member between the diaphragm and the choke tube be-

ing provided with circumferential ports which open more or less fully into said throttle chamber according to the position of the inner member, to regulate the passage of fuel mixture from the said inner member to the throttle chamber.

1,535,861. SAFETY PAPER AND PROCESS OF MAKING THE SAME. CHARLES FRANK SAMMET, Dalton, Mass., assignor to Crane & Company, Dalton, Mass., a Partnership. Filed Oct. 31, 1921. Serial No. 511,808. 25 Claims. (Cl. 92—40.)

3. The process of making safety paper which consists in adding to the paper an insoluble salt of benzidine.

1,535,862. SAFETY PAPER AND PROCESS OF MAKING THE SAME. CHARLES FRANK SAMMET, Dalton, Mass., assignor to Crane & Company, Dalton, Mass., a Partnership. Filed Oct. 31, 1921. Serial No. 511,809. 25 Claims. (Cl. 92—40.)

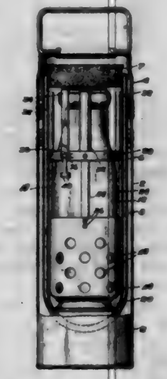
25. Paper, having diphenylamin sulphate incorporated therein.

1,535,863. SAFETY PAPER AND METHOD OF FORMING THE SAME. CHARLES FRANK SAMMET, Dalton, Mass., assignor to Crane & Company, Dalton, Mass., a Partnership. Filed Oct. 31, 1921. Serial No. 511,810. 6 Claims. (Cl. 91—67.95.)

1. Paper, having applied thereon an ingredient composed of colorless insoluble "benzidine material."

4. The process of making paper safe against chemical erasure which comprises the application to the surface thereof of a colorless insoluble benzidine material.

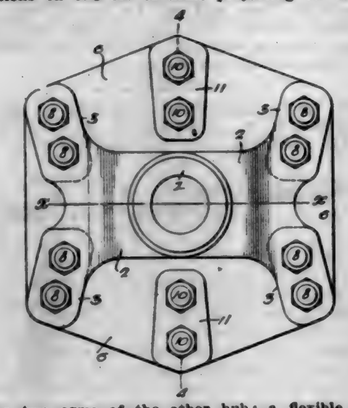
1,535,864. BOTTLE HOLDER FOR VACUUM JARS OR SIMILAR ARTICLES. GEORGE E. SAVAGE and LOUIS H. WILKINSON, Meriden, Conn., assignors to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed July 31, 1923. Serial No. 654,842. 10 Claims. (Cl. 215—13.)



1. A device for holding a bottle or similar article in a vacuum jar or similar container having, in combination, a receptacle provided with a bottom wall for containing and carrying ice for cooling the interior of said container, and a rack for receiving the article, the ice receptacle and rack being secured together so as to be removable as a unit from the container.

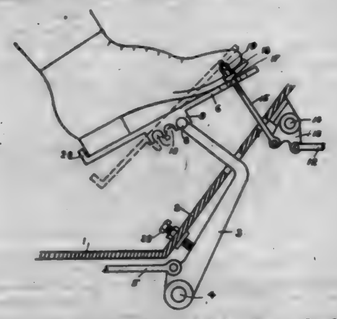
1,535,865. FLEXIBLE COUPLING. CARL A. SCHELL, Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J., a Corporation of New Jersey. Filed Aug. 1, 1924. Serial No. 729,533. 3 Claims. (Cl. 64—96.)

1. The combination in a flexible coupling, of two hubs, each hub having two arms, the arms of one hub being arranged at right angles to the arms of the other hub; extensions on one set of arms projecting on each side



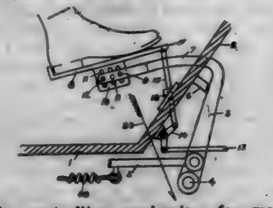
of the two arms of the other hub; a flexible member located between the two sets of arms; and bolts securing the arms to the flexible member.

1,535,866. CONTROLLING MECHANISM FOR MOTOR VEHICLES. WILLARD T. SEARS, Montclair, N. J.; Mabel Helena Sears executrix of said Willard T. Sears, deceased. Filed Jan. 7, 1922. Serial No. 527,597. 3 Claims. (Cl. 74—81.)



1. The combination of a pedal having a fixed support allowing to said pedal a pivotal movement and a bodily movement, an accelerator connection operated by such pivotal movement, a brake lever standing in the path of the bodily movement of said pedal and means for adjusting the height of said pedal relative to its pivot to cause said pedal normally to stand in proper relation to said brake lever.

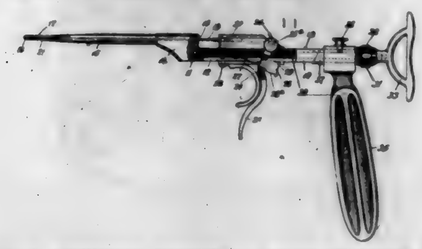
1,535,867. CONTROLLING MECHANISM FOR MOTOR VEHICLES. WILLARD T. SEARS, Montclair, N. J.; Mabel Helena Sears executrix of said Willard T. Sears, deceased. Filed Feb. 3, 1922, Serial No. 533,882. Renewed Nov. 29, 1924. 5 Claims. (Cl. 74—81.)



1. In the controlling mechanism for motor vehicles, the combination of a brake lever, a pedal pivoted on said brake lever, and an accelerator connection operated by

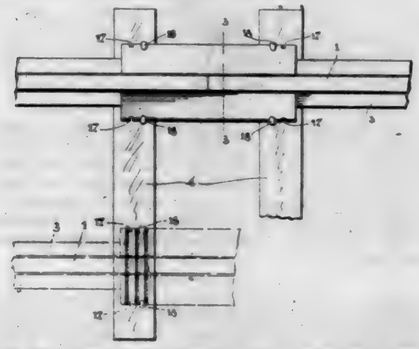
a tilting motion of said pedal about its pivot, the fulcrum of said brake lever occupying a forward position relative to said pedal such that the line of force due to the ordinary pressure of the foot on said pedal passes no farther forward than said fulcrum, or not materially farther forward than said fulcrum.

1,535,868. TONSILLOTOME. ABRAHAM J. SHEKTER, Huntington, N. Y. Filed Dec. 2, 1922. Serial No. 604,475. 3 Claims. (Cl. 128—320.)



1. A tonsillotome comprising a carrier terminating at one end in a fenestra and having a smooth guide surface, a snare-wire movable relatively to the fenestra, a slide connected with said wire and slidable on said guide surface, a finger-piece connected with said slide and extending downwardly therefrom for slidably actuating the same to operate said snare-wire, a trigger pivotally connected with said slide and located rearwardly of said finger-piece in contiguous relation thereto, means operated by a rearward movement of said trigger for locking said slide in an adjusted position, mechanism for shifting said slide from said adjusted position when said means is in locked position and a grip connected with said carrier and extending therefrom in a direction at right angles to the plane of said fenestra.

1,535,869. RAIL-JOINT FASTENER. OSCAR SHELTON, Yorktown, Tex. Filed Apr. 21, 1924. Serial No. 707,987. 2 Claims. (Cl. 238—193.)



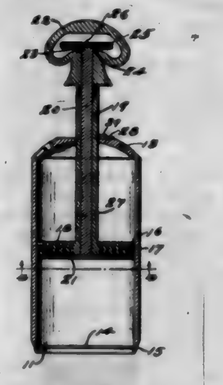
1. In a rail joint fastener, the combination with a pair of rails, of a pair of clamping members of substantial length positioned one on each side of said rails and each comprising a base, an inclined intermediate portion and a vertical upper portion, the longitudinal inner edge faces of said bases being vertical and abutting throughout beneath the rail clamped therebetween, a notched head formed longitudinally of the face of one of said bases and terminating inwardly of each end thereof, a resilient tongue formed longitudinally of the under side of the other base and terminating inwardly of each end and further adapted to receive and hold the notched head against the under side of the adjacent base, to retain said clamping members in position, and means for effecting a locking engagement between said upper portions and said rail.

1,535,870. PROCESS MOLDING PRESS TO MAKE MOLDS IN WAX AND OTHER SUBSTANCES FOR THE USE OF ELECTROTYPERS AND OTHERS. ANTHONY M. SOUKUP, Chicago, Ill. Filed May 5, 1924. Serial No. 711,098. 8 Claims. (Cl. 18—16.)



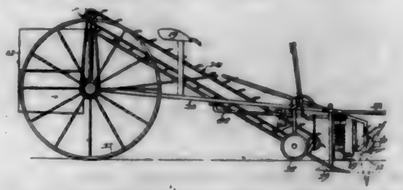
1. In a device of the type described, a base, opposed sides carried thereby, a plurality of parallel arms hingedly connected to the upper edge of one of said sides and resting, while in use, upon the upper edge of the other side, a feed screw threaded in each end portion of each arm, a gear fixed to each screw, and mechanical means operable to successively engage said gears for sequentially advancing said screws.

1,535,871. MEASURING AND FILLING DEVICE. EDWARD L. STAHLEY, Hammond, Ind., assignor of one-half to Fred. A. Sebenste, Hammond, Ind. Filed Oct. 18, 1923. Serial No. 669,342. 2 Claims. (Cl. 107—48.)



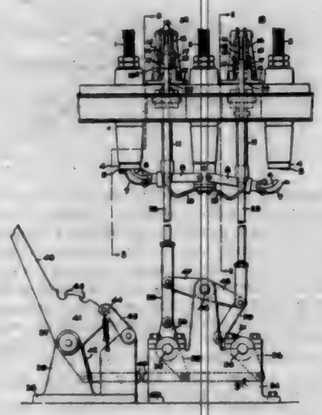
1. A dispensing device of the character described, comprising a cylindrical shell, a plunger movably mounted within said shell, a rod secured to said plunger, a knife blade positioned beneath said plunger, a second rod connected to said knife blade, a hand wheel attached to said second mentioned rod for revolving said knife blade, and a handle attached to said first mentioned rod for reciprocating said plunger in said shell, said handle and hand wheel being so arranged that the fingers of the operator's hand that grips said handle may be used to rotate said hand wheel.

1,535,872. BEET HARVESTER. JOHN T. STANAGE, Three Oaks, Mich. Filed Feb. 9, 1922. Serial No. 535,393. 1 Claim. (Cl. 55—107.)



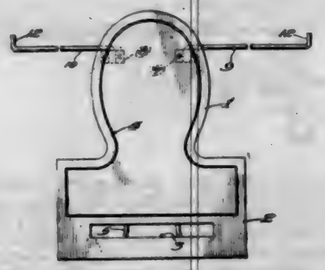
A beet harvesting apparatus having a wheel supported frame and beet heading means carried thereby and consisting of a blade, a follower carried by the frame and supporting the blade adjacent the surface of the soil traversed by the machine, a spring bearing upon the follower to maintain the blade at its lowermost position, a foot lever rockably mounted on the frame, and a stem carried by the follower and having a terminal flexible connection with the foot lever, whereby the follower and blade may be elevated upon depression of the foot lever.

1,535,873. ELECTRIC SWITCH. HARRY M. STEVENS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 16, 1920. Serial No. 389,466. 6 Claims. (Cl. 200—50.)



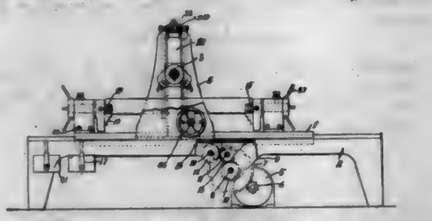
6. In an electric switch, the combination of two separate switch elements, separate actuating mechanisms for each element, means interconnecting said mechanisms comprising rotatable shafts, members for actuating said mechanisms in response to rotation of said shafts, arms secured to said shafts for rotating them, a reciprocating rod connecting said arms, and a common operating lever for moving said reciprocating rod in one direction to close one of said switch elements and in the opposite direction to close the other of said switch elements.

1,535,874. DISPLAY STAND FOR HOSIERY. NORMAN L. STEVENS, Bloomfield, N. J., assignor to The Meyercord Company, a Corporation of Illinois. Filed Aug. 21, 1924. Serial No. 733,311. 6 Claims. (Cl. 211—24.)



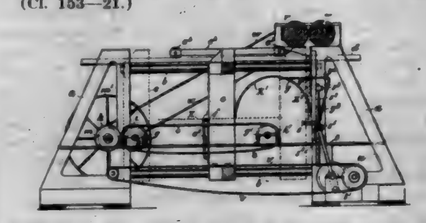
3. A device of the character described comprising a solid panel having a long transverse slot through the same, laterally-projecting arms on the panel above the slot, and means for supporting the panel in a more or less upright position, the parts being so proportioned and the slot being of such a height and width that one end of each of a plurality of stockings hung upon said arms may be passed through the slot from the rear of the panel and be exhibited in front of the panel.

1,535,875. SPECIAL PLANER. JOHN BLAIR SUTTON, Pittsburgh, Pa., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1920. Serial No. 375,470. 16 Claims. (Cl. 90—53.)



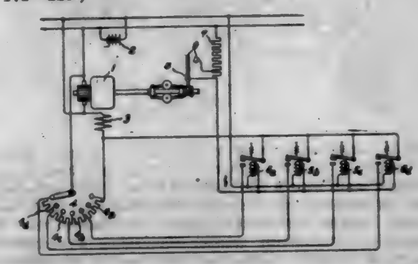
16. A machine for operating on the surface of metallic objects comprising a reciprocable work supporting carriage, a rotatable cutting head; a pair of oppositely faced gouging tools in said cutting head arranged to operate during alternate reciprocations of the carriage, and mounting and actuating means for said cutting head comprising a driving worm and hand operated actuating means therefor arranged to rotate the cutting head to force the tool into and remove it from the work on an arc and to hold the cutting head to cause the tool to exert a gouging action on the work on the carriage.

1,535,876. APPARATUS FOR USE IN THE MANUFACTURE OF TIN PLATES OR SHEETS. HUBERT SPENCE THOMAS, Llandaff, near Cardiff, and WILLIAM ROBERT DAVIES, Whitchurch, near Cardiff, Wales. Filed Mar. 23, 1922. Serial No. 546,145. 5 Claims. (Cl. 153—21.)



1. In a machine for use in the manufacture of tinplates, sheets or the like embodying means for mechanically conveying and feeding the plate or sheet to be folded into the machine, means for applying end pressure to the said plate or sheet so as to effect a folding thereof, and means for transferring the folded plate or sheet in preparation for a re-folding or subsequent operation.

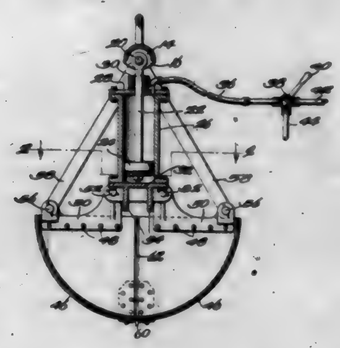
1,535,877. REGULATING SYSTEM. LOUIS W. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 23, 1924. Serial No. 708,560. 5 Claims. (Cl. 171—229.)



1. A regulating system for maintaining constant the speed of a motor which is supplied from a variable voltage source comprising a resistor arranged so that

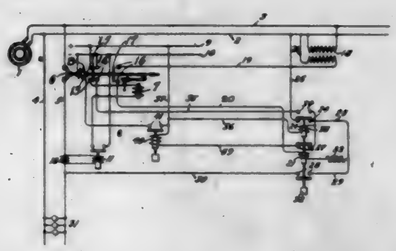
short-circuiting said resistor varies the excitation of said motor, a plurality of relays arranged to short circuit different portions of said resistor, each relay being connected across said source and being responsive to a different voltage, and means responsive to the speed of said motor for varying the voltage impressed on said relays.

1,535,878. GRAB BUCKET. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Mar. 17, 1924. Serial No. 699,633. 2 Claims. (Cl. 37—186.)



1. In a grab bucket device including a pair of pivoted load carrying members and a cylinder and piston mechanism for operating them, a block, and rods connecting said load carrying members and the piston of the cylinder and piston operating mechanism to said block whereby the device is suspended from the block, said block having an elongated semi-cylindrical recess formed in the under face thereof, partition lugs extending across said recess at spaced intervals, and a shaft engaged through said lugs to which the upper ends of all of said rods are connected.

1,535,879. ELECTRICAL SYSTEM OF CONTROL. OLIVER C. TRAVER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 22, 1920. Serial No. 367,734. 8 Claims. (Cl. 175—294.)



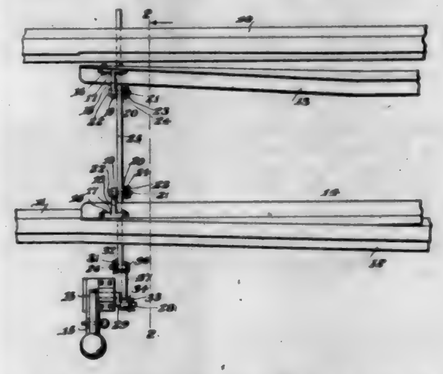
8. In combination with a load circuit, a main source of current, a circuit breaker connecting said load circuit and said main source and adapted to be opened automatically in response to abnormal conditions on said load circuit, means for automatically controlling the reclosing of said circuit breaker comprising an auxiliary source of current, electroresponsive means arranged to be energized by said auxiliary source when said circuit breaker opens to effect the connection of said auxiliary source across said load circuit, and means responsive to the current flow through said load circuit from said auxiliary source and operative to effect the closing of said circuit breaker when said current reaches a predetermined value.

1,535,880. CHASSIS EXTENSION FOR AUTOMOBILES. ENNES L. WESTMORELAND, Ogden, Utah. Filed Mar. 29, 1924. Serial No. 702,830. 1 Claim. (Cl. 180—1.)



An automobile chassis having its side bars in front and rear sections, splice elements connecting said sections, a drive shaft extension including a housing connected to the engine and to the ordinary drive shaft housing, the latter drive shaft housing terminating substantially in line with the rear sections of the side bars, a cross plate connecting said rear sections adjacent their forward ends and also connecting said drive shaft housing and drive shaft extension housing, brace elements extending from said drive shaft extension housing to said cross plate, and a fuel-tank supporting means carried by said splice members.

1,535,881. RAILWAY SWITCH. GLEN WHITE, BURLEY WHITE, and CHARLES E. COUNTS, Henlawson, W. Va. Filed Feb. 5, 1925. Serial No. 7,091. 3 Claims. (Cl. 246—411.)

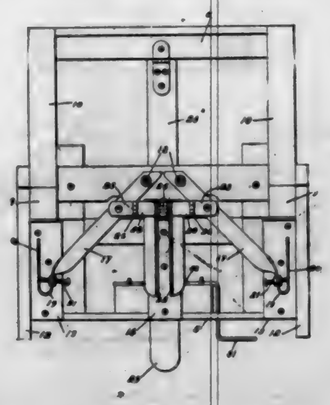


2. The combination with co-acting switch bars, of a bracket device attached to each of the switch bars and each bracket device formed with a laterally directed arm and each arm formed with downwardly directed and upwardly opening portion laterally apertured to receive a holding bolt, said downwardly directed portions adapted to receive and support a switch bar and the latter apertured to receive the holding bolts.

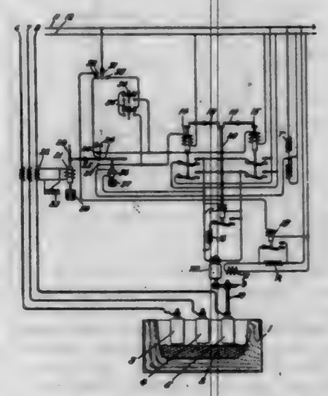
1,535,882. CRATE-MAKING MACHINE. HUGH H. WHITEHEAD, Palmetto, Fla. Filed Feb. 15, 1921. Serial No. 445,241. 1 Claim. (Cl. 144—295.)

A box forming machine including a frame, arms having pivotal connection with the frame and having jaws

at their outer ends, jaws mounted between the arms, hinge members for connecting the jaws mounted between the arms, and means having connection with the hinge members for moving the arms and jaws mounted between the arms simultaneously.

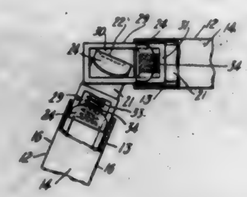


1,535,883. ELECTRIC-FURNACE CONTROL. HARRY A. WINNE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 23, 1921. Serial No. 517,401. 2 Claims. (Cl. 204—64.)



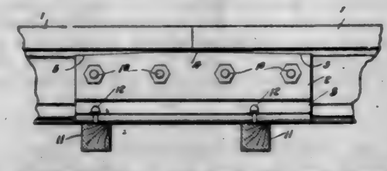
1. A regulating system for electric furnaces comprising in combination with an electrode, an energy supply source therefor, an electric motor for moving said electrode, electromagnetic means responsive to variations in the electrode circuit for controlling the movement of said electrode by said motor in two directions, a pair of resistance devices connected in series across said supply source, a second electromagnet mechanically connected to the first, and eletrical connections between one terminal of said second electromagnet and one terminal of said motor and between the other terminal of said second electromagnet and a point between said resistance devices, whereby said second electromagnet is energized to oppose the first upon movement of said electrode in either direction.

1,535,884. ORNAMENTAL CHAIN. HENRY WOLCOTT, Providence, R. I. Filed Oct. 27, 1924. Serial No. 746,004. 2 Claims. (Cl. 59—79.)



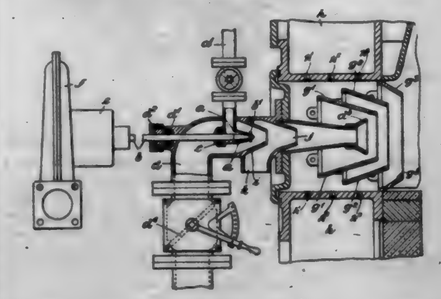
1. In an article of the type set forth, a series of exterior hollow casings, having open ends and provided with perforations, resilient carrier members mounted in the casings, projections on the carrier members registering in the perforations to lock the carriers, slidable links upon the carriers extending into adjacent shells adapted to engage the carriers therein, and springs supported by the links engaging the carriers.

1,535,885. RAIL JOINT. HARVEY A. WREN, Navy Yard, S. C., assignor of forty one-hundredths to J. L. Paul, Johns Island, S. C. Filed June 3, 1924. Serial No. 717,598. 2 Claims. (Cl. 238—248.)



1. A fishplate for a rail joint, the same comprising vertical and horizontal members, the intermediate portion of the top edge of the vertical member being straight and the end portions sloping outwardly in opposite directions, and the intermediate portion of the horizontal member being hollow upon its bottom side.

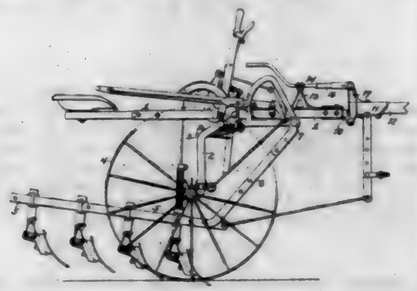
1,535,886. LIQUID-FUEL BURNER OR ATOMIZER. CORNELIS ZULVER, London, England. Filed July 30, 1924. Serial No. 729,161. 10 Claims. (Cl. 110—22.)



5. A fuel burner comprising an oil supply section and a solid fuel supply section, said oil section having mechanical atomizing means for atomizing the oil, an air pressure chamber surrounding said atomizer, an air and oil mixing chamber mounted forwardly of said atomizer, said mixing chamber having tapering walls, said solid fuel supply section comprising a supply pipe and a mixing chamber, said mixing chamber substantially enclos-

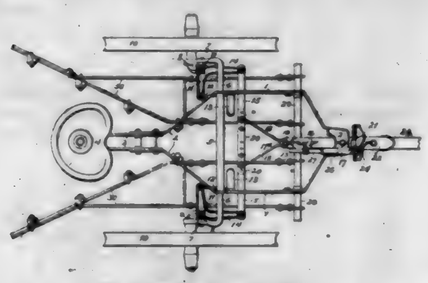
ing the tapering walls of said oil mixing chamber and adapted to mix the atomized oil with said solid fuel, and a series of air chambers for regulating the air admitted into the furnace.

1,535,887. WHEELED CULTIVATOR. RUDOLPH J. ALTGELT and HERMAN E. ALTGELT, South Bend, Ind., assignors to Oliver Chilled Plow Works, South Bend, Ind. Filed Aug. 8, 1922. Serial No. 580,451. 3 Claims. (Cl. 37—236.)



1. In a cultivator, the combination with a wheeled frame and cultivator gang frames connected therewith and carrying cultivator shovels, of a pole bracket having pivotal connection with the frame by a horizontal pivot, and screw adjusting devices between said pole bracket and a part connected with the cultivator frame for effecting relative movement of said cultivator frame and the pole bracket on said horizontal pivot.

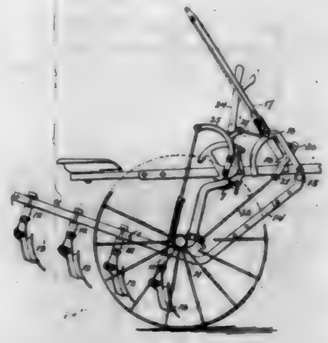
1,535,888. WHEELED CULTIVATOR. RUDOLPH J. ALTGELT and HERMAN E. ALTGELT, South Bend, Ind., assignors to Oliver Chilled Plow Works, South Bend, Ind. Filed Aug. 8, 1922. Serial No. 580,452. 3 Claims. (Cl. 97—181.)



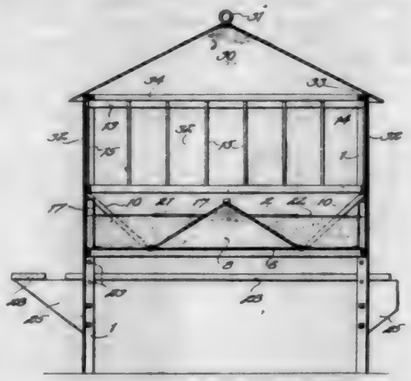
1. In a cultivator, the combination with a frame, cultivator gangs, pivot axles and carrying wheels, of a pole structure having connection with the frame by a vertical pivot, bell-cranks secured to said pivot axles, means connecting arms of said bell-cranks, means connecting said connecting means with the pivoted pole structure, and foot levers connected with other arms of said bell-cranks.

1,535,889. WHEELED CULTIVATOR. RUDOLPH J. ALTGELT, HERMAN E. ALTGELT, and CHARLES F. CUNNINGHAM, South Bend, Ind., assignors to Oliver Chilled Plow Works, South Bend, Ind. Filed Aug. 8, 1922. Serial No. 580,453. 5 Claims. (Cl. 97—148.)

1. In a cultivator, the combination with a wheeled frame and a plurality of cultivator gang frames, of a main lifting lever, secondary lifting levers, lifting connections between each secondary lifting lever and one of the gang frames, said lifting connections including a member pivoted to each secondary lever, connections between the main lifting lever and the said lifting connections, means for locking the main lifting lever, and locking segments for the secondary lifting levers, said locking segments fixedly secured to the wheeled frame.



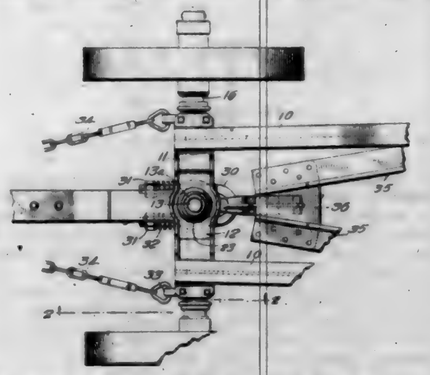
1,535,890. POULTRY FEEDER. ELMER AMBORN, Bangor, Wis. Filed July 8, 1924. Serial No. 724,849. 7 Claims. (Cl. 119—59.)



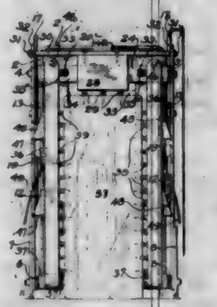
1. A poultry feeder including a body which is substantially square in plan having an open top and its bottom centrally formed with a frusto-pyramidal member, guards of wire mesh arranged between the sides of the frusto-pyramidal member and the sides and ends of the body and designed to rest on the feed when placed in the body and to gravitate on said feed when the latter is diminished, and vertically disposed guides in the body providing guides for the guards and permitting the swinging of the guards against the body when the feed is to be replenished.

1,535,891. DIRECT-DRAFT MECHANISM FOR ROAD GRADERS. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Mar. 18, 1924. Serial No. 700,120. 18 Claims. (Cl. 280—33.44.)

1. In a road grader, a main frame, a front axle, a tongue and a draw bar, means for supporting the front end of the main frame on the axle comprising a vertically disposed sleeve, a king pin passing through the forward end of the main frame, through said sleeve and operatively engaging the axle at its lower end, means for engaging the tongue with opposite ends of the sleeve, and means for connecting the mold board draft device to the sleeve between the points of engagement of the tongue therewith.



1,535,892. ICE-CUTTING MACHINE. FREDERICK H. AUSTIN, Greeneville, Tenn. Filed July 14, 1923. Serial No. 651,635. 12 Claims. (Cl. 125—23.)



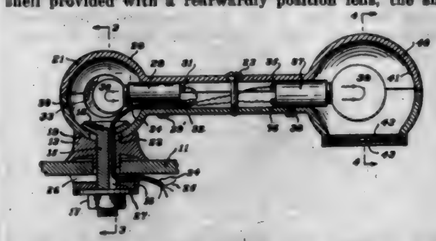
1. In a machine of the class described, a frame adapted to straddle a block of ice, severing elements arranged at the top and sides of the frame with the top cutting edge perpendicular to the side cutting edges, and means for moving all of said elements simultaneously toward the center of the machine to sever a block of ice positioned therein, while maintaining the perpendicular relation between said cutting edges.

1,535,893. PUMP VALVE. MARK BELCHER, Dalsetta, Tex. Filed May 27, 1924. Serial No. 716,104. 7 Claims. (Cl. 99—12.)

5. A process of forming valve discs for mud pumps comprising thoroughly seasoning the wood, soaking the discs for several hours in linseed oil, boiling the discs in equal parts of graphite and white lead mixed with oil, charring the outer surface of the discs and smoothing the lower surface.

1,535,894. SIDE-ILLUMINATING DEVICE FOR VEHICLES. REUBEN T. BIDDLE, Philadelphia, Pa. Filed Feb. 26, 1923. Serial No. 621,289. 2 Claims. (Cl. 240—7.)

2. In a side illuminating device for vehicles, a cylindrical sleeve, substantially spherical shell on each end of said sleeve, means engaging one of said shells for rotatably connecting the shell to a vehicle, said last named shell provided with a rearwardly position lens, the shell on the end of the sleeve remote from said last named shell having a downwardly position transparent lens and illuminating means within said shell.

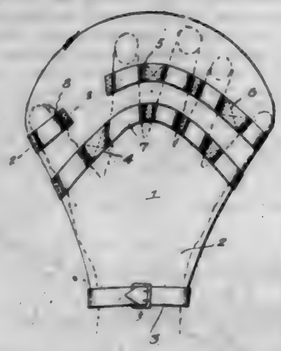


1,535,895. CARD-TABLE COVER. DAWSON J. BLACKMORE, Cincinnati, Ohio. Filed Sept. 17, 1923. Serial No. 663,050. 3 Claims. (Cl. 278—136.)



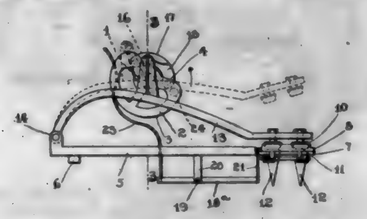
1. A table cover formed of paper, notched at each corner to define folding lines, marginal flaps, and a terminal tab for each flap, said tabs being gummed on their reverse side, and the obverse side of the sheet at each corner thereof having conventional scoring data.

1,535,896. SWIMMING GLOVE. JOHN BOCIEK, Chicago, Ill. Filed May 12, 1924. Serial No. 712,869. 1 Claim. (Cl. 9—21.)



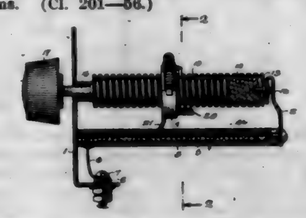
A swimming glove comprising a fan-shaped flexible body, an adjustable wrist strap connected to the smaller end of the body, spaced curved strips attached to the body by transverse rows of stitching arranged in spaced relation to form finger loops longitudinally of the strips, one of said strips being extended entirely across the body to form an individual loop for each of the fingers and thumb of the hand, the other strip being extended partially across the body to form loops for the fingers of the hand and an individual outer thumb sewed to the body and disposed in alignment with the thumb on the first mentioned strip.

1,535,897. APPARATUS FOR THE MANUFACTURE OF ICE-CREAM CONES. HARRY L. BOWDOIN, Long Island City, N. Y., assignor to Cone Company of America, Long Island City, N. Y., a Corporation of Delaware. Filed Apr. 17, 1922. Serial No. 553,764. 1 Claim. (Cl. 107—20.)



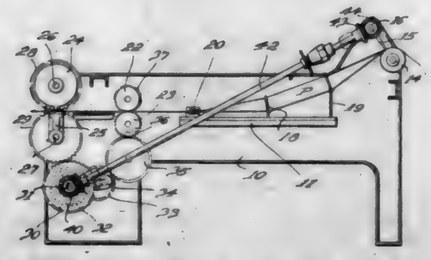
In an apparatus for the manufacture of ice cream cones, in combination, a cone support having an upper, movable portion, a chute to direct a falling cone to the support, a cutter, a cam, means actuated by a moving part of the apparatus to rotate the cam, means upon the cutter co-acting with the cam, for its operation, means for raising and lowering he movable portion of the cone support, to release a cone therefrom, and means upon the cam to operate said raising and lowering means.

1,535,898. RHEOSTAT. RAY MONTAGUE CAMP, Daytona, Fla. Filed June 28, 1923. Serial No. 647,360. 3 Claims. (Cl. 201—56.)



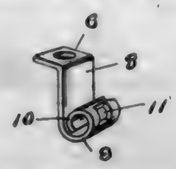
1. A rheostat including an insulating support having a spiral groove in its surface, a threaded conducting nut embracing said support, a conductor in said groove, a spring plate supporting and connected to the rear end of the support, and a stop on the nut to engage said plate when the nut has traveled a definite distance to the rear of the support whereby further movement of the nut will move the spring plate away from the support to break the connection therebetween.

1,535,899. ADJUSTING MECHANISM FOR BAG-TUBE CUTTERS. GEORGE T. TRUNDLE, Jr., Cleveland, and BURTON G. CARLSON, Cleveland Heights, Ohio. Filed Jan. 9, 1922. Serial No. 527,956. 6 Claims. (Cl. 93—33.)



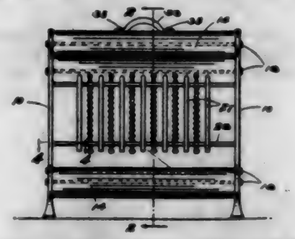
5. In a paper tube forming mechanism having a preliminary shearing mechanism and a final shearing mechanism, the combination of means for driving said shearing mechanisms including a connecting shaft parted intermediate said mechanisms and joined by adjustable coupling means whereby said shearing mechanisms may be adjusted to act upon the tube at different periods.

1,535,900. LOOM-SHUTTLE-THREAD GUIDE. NAPOLEON CARON, Nashua, N. H. Filed Feb. 9, 1924. Serial No. 691,778. 4 Claims. (Cl. 139—219.)



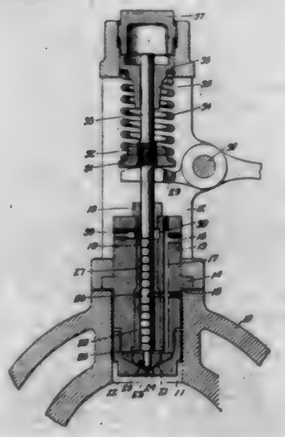
1. A thread guide for loom shuttles formed from a relatively short strip of metal having a straight side to be arranged against one of the side walls of the throat in the nose portion of the shuttle, and having its lower portion rounded and continued in elliptical formation against the bottom and opposite side wall of the throat, the inner wall of the elliptical portion of the guide being spaced from the straight side thereof and the terminal edge thereof being disposed approximately in a line with the longitudinal center of the first mentioned rounded portion but slightly spaced therefrom.

1,535,901. ELECTRIC HEATER. WALTER CLARK, Toronto, Ontario, Canada. Filed Dec. 31, 1923. Serial No. 683,733. 5 Claims. (Cl. 219—34.)



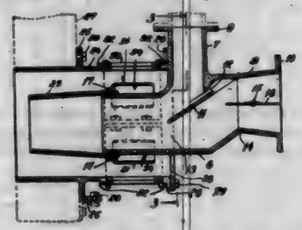
1. A heater of the character stated, including a body substantially C-shaped in vertical cross section formed of spaced plates; ends for said body; a heating element mounted forwardly of said body; and a guard disposed forwardly of said heating element.

1,535,902. SPRAY VALVE. CLARENCE W. CLEMENTS, Jacksonville, Fla., assignor to Crankless Engine Company, Jacksonville, Fla., a Corporation of Florida. Filed Aug. 17, 1922. Serial No. 582,566. 3 Claims. (Cl. 299—133.)



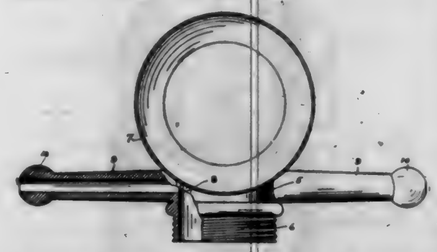
2. In a spray valve for internal combustion engines, a cylindrical valve casing having an annular flange, a housing surrounding the casing and its flange and adapted to be secured to the engine, a valve in the casing having a central enlargement said casing having an inner bore divided by circumferential shoulders into parts of different diameter, bearing means interposed between the casing and the valve and comprising differential pressure chambers adjacent said shoulders, and a removable spray tip at the foot of the casing providing for the removal of the bearing means substantially as set forth.

1,535,903. PULVERIZED-FUEL BURNER. HARRY RAYMOND COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Mar. 14, 1922. Serial No. 543,603. 11 Claims. (Cl. 110—104.)



4. In a pulverized fuel burner, a mixing chamber, inlets for fuel and air thereto, and a deflector plate arranged to receive the fuel from the inlet therefor and to deflect it in the path of an air current for discharging fuel from the burner, the deflector being spaced from the walls of the chamber to provide passageways for a main fuel discharging current under the plate and an auxiliary current above the plate, and the chamber being flattened vertically and enlarged transversely so as to make the area of the passageway under the deflector plate substantially the same as the smallest area of the air inlet.

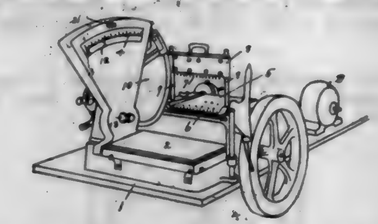
1,535,904. RADIATOR COOLER. ADDISON L. DANIELS, Sioux City, Iowa. Filed July 21, 1922. Serial No. 576,460. 1 Claim. (Cl. 257—25.)



A cooling device for a radiator having a threaded neck including an elbow tube adapted to be mounted in the threaded neck, laterally extending handle thereon for manipulating the elbow tube, the elbow having a forwardly-directed mouth, and the handles having eduction passages communicating with the interior of the elbow tube, the eduction passages being located substantially centrally fore and aft of the elbow tube, whereby a current of air may follow a path into the elbow tube, along the back thereof, and from the tube along the sides thereof to the eduction passages.

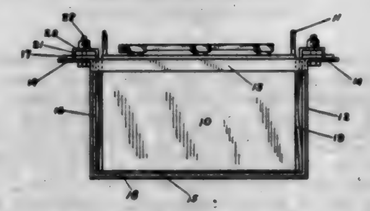
1,535,905. CUTTING AND WEIGHING MACHINE. JACOB DASHEW, Baltimore, Md. Filed Sept. 22, 1924. Serial No. 739,046. 2 Claims. (Cl. 249—62.)

1. A cutting and weighing machine comprising a cutting blade, means for operating the cutting blade, a platform on which the material falls when cut, an adjustable finger to indicate the amount to be cut, an index



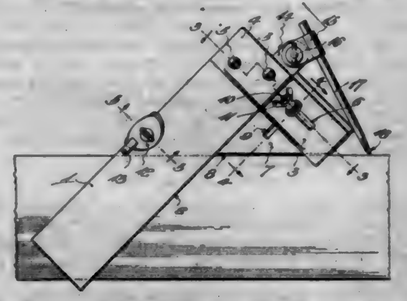
finger operated by said platform, and means whereby when the index finger coincides with the adjustable finger the cutting will be automatically stopped.

1,535,906. BATTERY HOLDDOWN. HARLEY J. DAVOLL, Lincoln, Nebr. Filed July 12, 1924. Serial No. 725,751. 1 Claim. (Cl. 180—68.5.)



A battery hold-down which is adapted to clamp a battery container to its support, said battery hold-down comprising a frame which is adapted to be secured to the support in fixed and spaced apart relation to one of the sides of the battery container, said frame being vertically positioned and having an outwardly projecting ear at its upper extremity, said ear being provided with a transverse groove in its upper surface, a clamping member positioned loosely between said support and the battery container, the lower extremity of said clamping member being held fixed relative to said support, an outwardly projecting ear at the upper extremity of said clamping member, said last named ear overlying the ear of said support and having a downwardly projecting tongue which is adapted to engage the groove in the upper surface of the first named ear, and means for drawing said two ears together to thereby cause buckling of the intermediate portion of said clamping member.

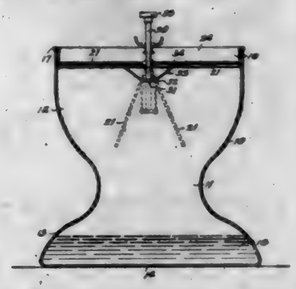
1,535,907. RAFTER-CUT-MARKING TOOL. FRANKLIN JOSEPH DESHLER, Santa Ana, Calif. Filed Oct. 18, 1923. Serial No. 669,352. 6 Claims. (Cl. 33—90.)



1. A rafter cut marking tool comprising a blade provided with a marking edge, a pair of rigid converging arms extending from one end of said blade and having

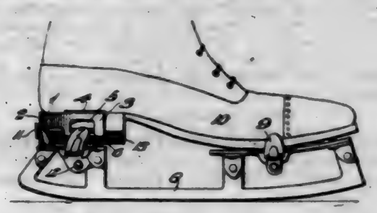
flat sides in planes oblique to the sides of said blade, and flat wings held against said flat sides of said arms and having marking edges extending obliquely to the marking edge of said blade for marking rafter edges.

1,535,908. SMOKER'S RECEPTACLE. JOHN A. DOLAN, Hempstead, N. Y. Filed May 16, 1923. Serial No. 639,381. 3 Claims. (Cl. 131—51.)



1. A smoker's receptacle comprising a substantially cup shaped body within the lower end of which a liquid dousing medium is contained, a tray member removably fitted within the upper open end and constituting an initial receiver for smoking refuse, said tray member comprising an annular wall having a marginal outwardly projecting bead at its upper end, a transverse pivot shaft carried by the lower end of the annular wall, a pair of semi-circular bottom wall sections hingedly connected to the pivot shaft, said pivot shaft having a central upstanding apertured bearing, a vertical plunger shaft mounted in said bearing, a linked connection between the undersides of the bottom wall sections and the lower end of the plunger shaft and springs carried by the pivot shaft and connected with said bottom wall sections for normally moving the same to a horizontal plane to define the bottom of the initial receiver.

1,535,909. SKATE CLAMP. JOHN C. EBBELS, Jr., Haddon Heights, N. J. Filed Mar. 28, 1922. Serial No. 547,372. 2 Claims. (Cl. 46—50.)

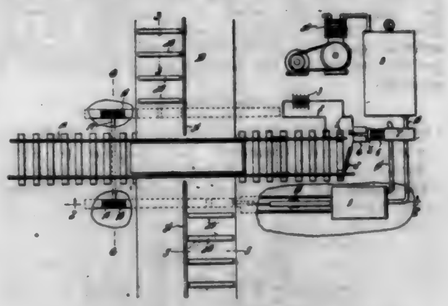


1. An auxiliary skate clamp comprising a narrow flexible band, the forward end of each side of which terminates in an enlarged part provided near its upper portion with an inwardly extending flange and with an aperture beneath said flange to accommodate a skate clamping jaw and also forming a shoulder adapted to co-operate with said clamping jaw.

1,535,910. ALLOY. CHARLES T. EVANS, Titusville, Pa., assignor to Cyclops Steel Company, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1919, Serial No. 328,336. Renewed Aug. 8, 1924. 6 Claims. (Cl. 75—1.)

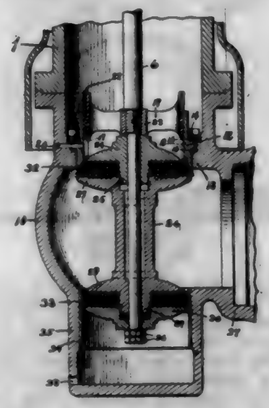
1. An alloy having the characteristics of steel and comprising iron, and silicon and zirconium, the combined percentage of silicon and zirconium being not less than 2% nor more than about 2.6%.

1,535,911. CROSSING PROTECTING DEVICE. EDWARD P. FARRELL, Malvern, Ohio. Filed Aug. 6, 1923. Serial No. 655,985. 1 Claim. (Cl. 246—128.)



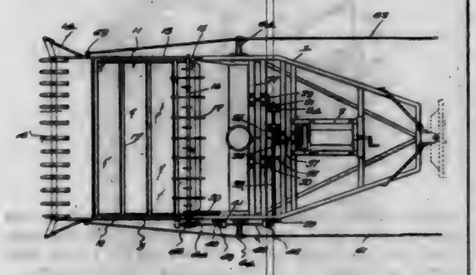
A safety appliance for a railroad crossing comprising a plurality of barriers arranged at each side of the crossing, shafts arranged under the barriers for operating the same, eccentric means connecting the shafts with the barriers, pinions on the shafts, rack bars engaging the pinions, a shaft and pinions thereon for communicating the movement of one rack bar to the other, a cylinder, a piston therein connected with one of the rack bars, a receptacle containing fluid under pressure, a pipe connecting the same with the cylinder, a sliding valve for controlling the passage of fluid through the pipe, an armature connected with the valve, a magnet associated with the armature, an electric circuit connected with the magnet and means for completing the same by a train approaching a crossing.

1,535,912. HYDRANT VALVE. JOHN W. FLOWER, Detroit, Mich., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 31, 1921, Serial No. 457,251. Renewed Oct. 18, 1923. 2 Claims. (Cl. 137—13.)



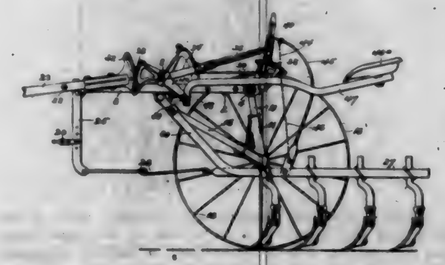
1. In a hydrant, the combination of a body and a valve chamber connected to the lower end thereof, a valve seat in said chamber, an upright valve stem central with the valve seat, a guide for the stem slidable in the valve seat, said valve chamber having a cylindrical downward extension in alinement with the valve stem, a spool mounted on the valve stem and having a flange at each end, a disk on the stem at each end of the spool, a conical valve at the upper end of the spool between the flange and disk adapted to engage the valve seat and a piston on the stem at the lower end of the spool between the flange and disk adapted to slide in said cylindrical extension of the valve chamber, said chamber having an inlet between the valve seat and cylindrical extension and a vent in said extension.

1,535,913. SNOWPLOW. FRED L. FULCER and RAYMOND J. RITGER, Hortonville, Wis. Filed Apr. 4, 1924. Serial No. 704,177. 3 Claims. (Cl. 37—42.)



1. A snow plow comprising a frame, a hopper mounted thereon, ejectors mounted in the hopper for removing the snow therefrom, an inclined elevator arranged to deliver the snow into the hopper, cutters located in advance of the elevator, and beaters located above the delivery end of the elevator and the receiving edge of the hopper, and adapted to reduce the volume of snow which is elevated by the elevator into strips as it passes into the hopper.

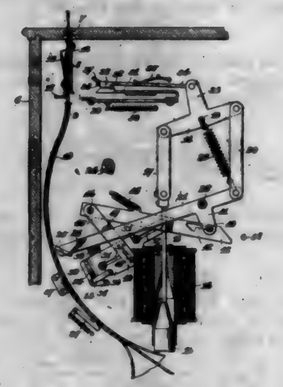
1,535,914. WHEELED CULTIVATOR. ARTHUR D. GALLAGHER, South Bend, Ind., assignor to Oliver Chilled Plow Works, South Bend, Ind. Filed July 21, 1921. Serial No. 486,417. 13 Claims. (Cl. 97—148.)



1. In a cultivator, the combination with a wheeled frame, a cultivator gang pivotally connected therewith, a pole, and a horizontal pivot connection between the forward portion of the frame and the pole forwardly of the rear end of the latter, of a lever mounted on the frame, connections between said lever and the cultivator gang, and power transmitting means between said lever and the rear end of the pole.

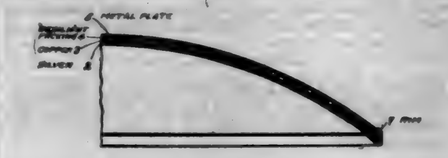
2. In a cultivator, the combination with a wheeled frame, a cultivator gang pivotally connected therewith, a pole, and a horizontal pivot connection between the forward portion of the frame and the pole forwardly of the rear end of the latter, of a lever mounted on the frame, connections between said lever and the cultivator gang, power transmitting means between the lever and the rear end of the pole, a seat, supporting rails for said seat fulcrumed on the rear portion of the frame, and connections between the forward portions of said seat rails and said lever.

1,535,915. DISPENSING MACHINE. PHILIP GANZ, New York, N. Y. Filed June 8, 1924. Serial No. 717,626. 18 Claims. (Cl. 101—69.)



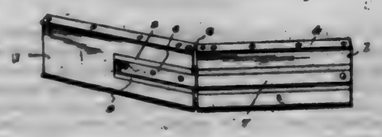
1. In a check dispensing machine, a check feeding mechanism, means controlled by the act of removal of a check from the machine for operating said feeding mechanism, and means actuated by the operation of said feeding mechanism for printing a check.

1,535,916. METAL MIRROR. CROMWELL A. B. HALVORSON, Jr., Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 28, 1924. Serial No. 695,867. 3 Claims. (Cl. 88—1.)



1. A mirror consisting of a metallic reflecting surface formed upon and lifted from a matrix, a reinforcing member of suitable material deposited upon the back of the reflecting surface, a metallic protecting cover secured to the back of the mirror with a resilient packing between the cover and the deposited metal.

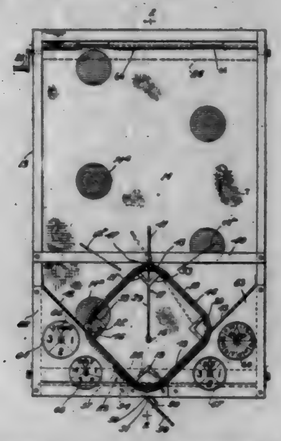
1,535,917. PAPER-HANGER'S FOLDING STRAIGHT-EDGE. CLARENCE W. HARBIN, Los Angeles, Calif. Filed Dec. 21, 1920. Serial No. 432,310. 1 Claim. (Cl. 33—75.)



A folding straightedge comprising two sections having bodies fitting together end to end and having front and back faces, hinges secured to the back faces of the meeting ends, wearing strips secured to the edges of the bodies and extending beyond the front faces, there being a recess formed in the front face of one body and extending from the meeting end and a second recess formed in the front face of the other body and extending the full length, a locking bar slidably mounted in the re-

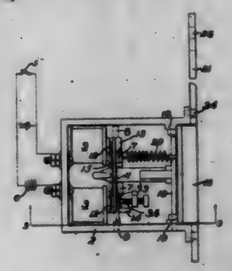
cesses and retaining strips fastened to the bodies to hold the locking bar in place so that the locking bar may be moved into the long recess out of use and the rule folded and moved across the meeting line when the rule is straightened to hold the rule straight.

1,535,918. BASEBALL GAME DEVICE. RUDOLPH HOFFMAN, Kankakee, Ill. Filed Dec. 8, 1920. Serial No. 429,050. 20 Claims. (Cl. 46—61.)



1. A baseball game device comprising in combination, a movable field, means for impelling a ball onto said field, a frame fixedly mounted above said movable field to provide a definite path for a runner, means for causing a runner to move along said path, and means operable to position the ball substantially in the line of travel of the runner.

1,535,919. DOOR-RELEASE MECHANISM. JAMES W. IRWIN and ERVAN L. MCDONALD, San Francisco, Calif. Filed Dec. 17, 1923. Serial No. 681,056. 22 Claims. (Cl. 70—52.)

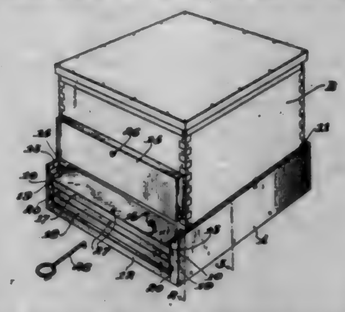


1. In a door release mechanism, a pivoted tumbler, a stop for blocking the movement of said tumbler and comprising a pivoted bar disposed tangentially to the arc of movement of said tumbler, an armature pivoted coaxially with said stop and adapted to swing the stop out of the path of said tumbler, and magnetic devices for actuating said armature.

1,535,920. BEEHIVE ATTACHMENT. MEGOMICH M. JONIAN, Chelsea, Mass. Filed Oct. 6, 1924. Serial No. 742,043. 6 Claims. (Cl. 6—1.)

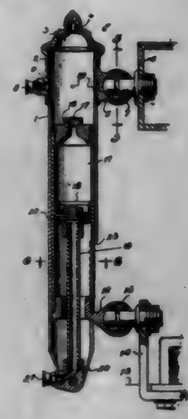
1. The combination with a bee hive, of a base proportioned to support the hive, a plurality of boards slidably removable from said base, and a closure for the bee entrance adapted to co-act with any of said boards to form a complete closure.

5. A base for a bee hive comprising spaced side walls provided with corresponding horizontal grooves, a cushioning member in the vertical bottom of said grooves, a board proportioned to be inserted between the side walls,



rollers carried by the board proportioned to roll in said grooves with their perimeters in contact with the cushions, and cushioning disks attached to the rollers positioned to engage the horizontal sides of the grooves.

1,535,921. SHOCK ABSORBER. CELESTIN LAMPER, Elyria, Ohio. Filed Aug. 25, 1922. Serial No. 584,816. 1 Claim. (Cl. 188—88.)

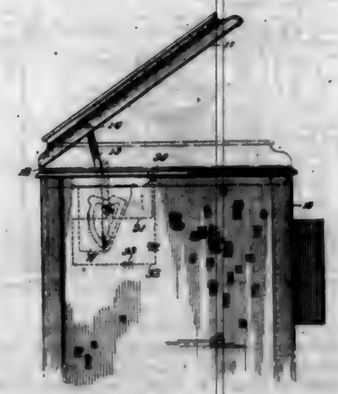


A shock absorber comprising a cylinder open at its lower end and provided with a pair of divergent arms and also having a longitudinal slot, a casting supported between the arms and provided with a lubricant passage, a tubular piston rod supported by the casting and arranged within the cylinder and having communication with the lubricant passage, means for supplying lubricant to said passage, a second cylinder slidable within the first mentioned cylinder and provided with a bleed opening at its upper end, an arm extending laterally from the lower end of the last mentioned cylinder and disposed between the walls of the slot and adapted to be operatively connected with part of an automobile suspension spring, and means carried by the upper end of the first mentioned cylinder for connecting the same to a rigid part of an automobile.

1,535,922. TALKING-MACHINE LIGHT SWITCH. OSCAR LARSEN, Brooklyn, N. Y. Filed Jan. 22, 1921. Serial No. 439,164. 4 Claims. (Cl. 200—54.)

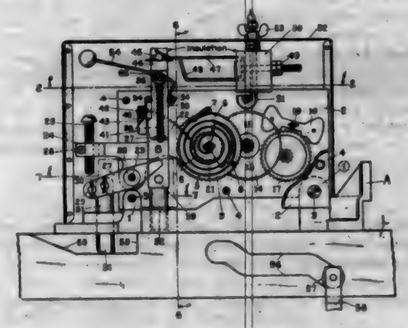
1. An attachment for talking machines comprising a plate having a substantially horizontal groove therein, the lower wall of the groove being recessed, a support

of insulated material received in the lower portion of said recess, a pair of spring contact fingers mounted on said support and having their terminals extended into the upper portion of the recess to form a continuation



of the walls of the recess, a brace member for attachment to the lid of the talking machine, and a projection carried by said brace member and adapted to ride on the lower wall of the groove and the contact fingers in making and breaking the circuit.

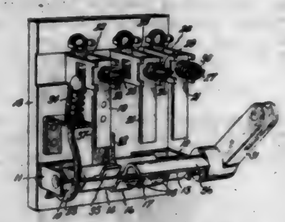
1,535,923. MECHANICAL TIME RELEASE. RICHARD C. LEAKE, Rochester, N. Y., assignor to General Railway Signal Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 10, 1920. Serial No. 357,939. 5 Claims. (Cl. 246—161.)



1. In a time release mechanism of the character described, the combination with a lever, a vertically movable locking bolt actuated by said lever and adapted to prevent movement of said lever in one direction in a predetermined position thereof, and circuit controlling means automatically opened and closed in correspondence with the movement of said bolt to its locking and unlocking positions.

1,535,924. ELECTRIC SWITCH. GEORGE S. LEDDICK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 9, 1924. Serial No. 725,079. 5 Claims. (Cl. 200—6.)

1. An electric switch mechanism comprising a plurality of movable contact fingers, a relatively movable bridging member operable into overlapping contact with each of said fingers to interconnect the same, the relative length of overlapping contact with one of said fingers being less than with the other fingers whereby continued operation of said member effects the disengagement of said one finger and maintains contact with said



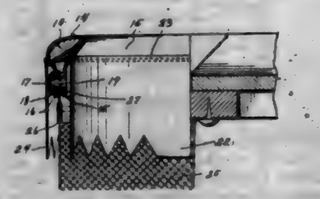
other fingers, and means for preventing electrical contact with said one finger upon the return movement of said member.

1,535,925. FIGURE TOY. ARTHUR LEE, New York, N. Y., assignor of one-half to Rudolph A. Shirek, New York, N. Y. Filed Oct. 25, 1922. Serial No. 596,821. 1 Claim. (Cl. 46—40.)



An amusement device comprising an outlined head member having plane parallel opposite side surfaces, pieces representing features appropriate of the head member, said feature pieces being outlined by edges and having plane parallel opposite side surfaces, the feature pieces being applicable to the surface of the head member in parallel planes, the obverse surfaces of the feature pieces bearing representations of characteristic organisms so positioned upon the pieces as to present expression of emotion variable as the feature pieces are turned in their positions upon the head member.

1,535,926. POOL-TABLE POCKET. ANTHONY LEONE, Greensburg, Pa. Filed Mar. 10, 1923. Serial No. 624,201. 3 Claims. (Cl. 218—12.)

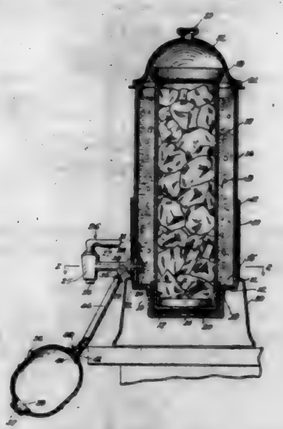


1. A pool table pocket including a pocket iron, a casing enclosing and fitting the pocket iron and formed to provide opposite depending margins having coacting fastening members and the pocket proper having a marginal band insertible between the margins of the casing and having apertures through which the snap fastener members engage.

1,535,927. BEVERAGE COOLER. CARROL A. LOOK, Los Angeles, Calif. Filed July 9, 1924. Serial No. 724,975. 10 Claims. (Cl. 225—40.)

2. A beverage container comprising an outer receptacle, an inner receptacle disposed within said outer receptacle, a resilient member mounted upon the top edge of the outer receptacle, said resilient member having depending

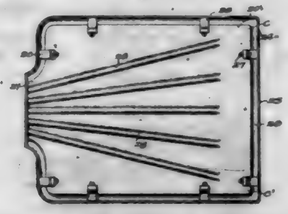
flanges gripping the sides of the outer receptacle so as to maintain it thereon and a cover adapted to rest upon said resilient member and cover both receptacles.



8. In a beverage container, an outer receptacle having a bottom in which is formed a depression, said depression being adapted to receive and to be substantially occupied by an inner receptacle.

9. A beverage container comprising an outer receptacle having a depression formed in its bottom, an inner receptacle having its bottom extend into and substantially occupy said depression, and a stand for the container, said stand presenting substantially flat top surfaces engaging the underside of the bottom of the outer receptacle and having an aperture therein adapted to receive the projection formed upon the bottom of the outer receptacle in providing said depression.

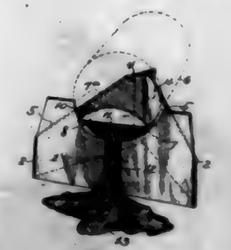
1,535,928. DRAIN TABLE. DORR F. LOUDON, New York, N. Y. Filed Aug. 15, 1923. Serial No. 657,642. 2 Claims. (Cl. 141—11.)



2. A removable drain board for wash tubs, comprising a body having a raised rim portion from which project downwardly extending flanges, forming with the raised rim portion a groove in the under face of the board, and a plurality of buffer blocks detachably secured to the flanges of the board, each block having on its upper face a shoulder forming a projection fitting in the groove of the board and having the outer portion of its lower face curved to fit upon a rolled rim of the wash tub to hold the said board thereon.

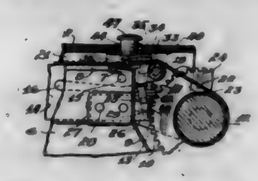
1,535,929. DISPLAY STAND. HOMER WILLIAM LUDWIG, Pittsburgh, Pa. Filed Oct. 15, 1923. Serial No. 668,684. 4 Claims. (Cl. 211—24.)

4. A display stand comprising a front and supporting means, said front having a recess to receive a container, a member united to the front at the intermediate portion only of said recess, said member being made to simulate a turned-up portion of the head of a container and material in the container, the intermediate front portion of the stand being pictured to simulate flowing material,



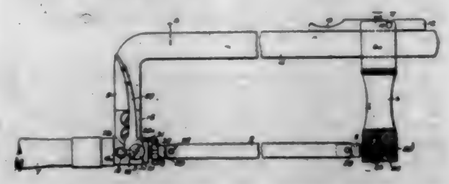
and an irregularly shaped member at the lower edge of the front and simulating a quantity of discharged material.

1,535,930. FILM-SPOOL-LOCKING DEVICE. MOTT W. MACDONALD, Bay View, Irondequoit, N. Y., assignor of one-fourth to Albert F. Hettig, one-fourth to Osborne F. Gurney, and one-fourth to Carl Gordon Samuelson, all of the Rochester, N. Y. Filed June 5, 1922. Serial No. 566,066. 9 Claims. (Cl. 95—31.)



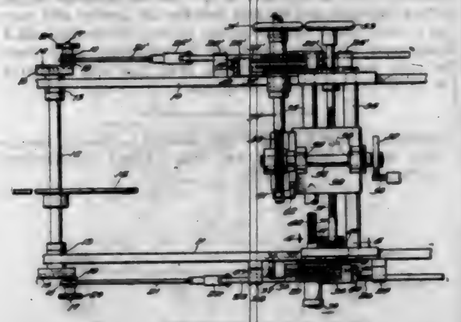
1. In a camera, a supporting frame, a roll film and backing strip movable across the frame, said backing strip having a plurality of regularly spaced apertures, means for locking the film and backing strip against movement, and a detent normally riding on the backing strip with a relatively spring tension, such detent adapted to be received in said apertures and by engagement with the wall of an aperture to effect actuation of the locking means through a slight continued movement of the backing strip.

1,535,931. HACK SAW. ALFRED FRED MACRINI, New York, N. Y. Filed Mar. 3, 1923. Serial No. 622,623. 5 Claims. (Cl. 145—34.)



1. In a saw having a frame, including a main bar, a handle unit capable of being attached to the frame, said handle unit having a bore therein, a slidable rod in said bore, a spring in the bore back of the rod tending to force it out of the bore, the handle unit having a slot, a pin on the rod extending through said slot, a roller on the end of said pin, and a cam member pivotally attached to the outer surface of the handle unit, a portion of said cam member engaging the roller whereby the position of the rod within the bore can be regulated.

1,535,932. INDEX AND CROSS FEED MECHANISM. JOSEPH G. MANNING, Chicago, Ill. Filed June 23, 1924. Serial No. 721,649. 8 Claims. (Cl. 90—21.)



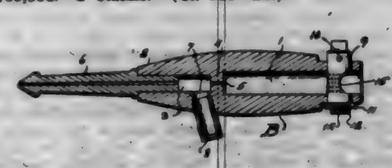
1. In an index and cross feed mechanism, operating means therefor comprising, in combination an index shaft, a cross feed shaft, a common drive shaft, a pair of reciprocable bars each connected adjustably therewith, and connections from one reciprocating bar to the cross feed shaft and other connections from the other reciprocating bar to the index shaft, each of said connections including a double pawl device wherein one pawl only at a time is operated, but wherein a predetermined movement range is obtained by operation of the other pawl, substantially as described.

1,535,933. SOLDERING IRON. JOHN MARINOS, New York, N. Y., assignor of one-half to Milton W. Emmett, Seattle, Wash. Filed May 27, 1924. Serial No. 716,184. 2 Claims. (Cl. 219—26.)



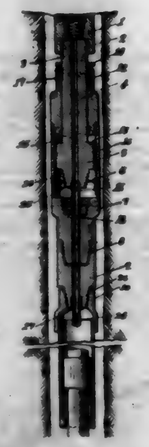
1. A soldering iron comprising a heating element, a hollow tip removably connected to the heating element, said tip comprising a chamber for solder, a handle connected to the heating element, a rod projecting through the heating element and into the handle and functioning the valve to control the escape of solder through the orifice, a cam on the rod and a member projecting outside of the handle and engaging the cam within the handle to move the rod longitudinally.

1,535,934. SMOKING PIPE. JAMES HUGH MCFADDEN, Farmer, S. Dak. Filed Sept. 23, 1924. Serial No. 739,834. 2 Claims. (Cl. 131—22.)



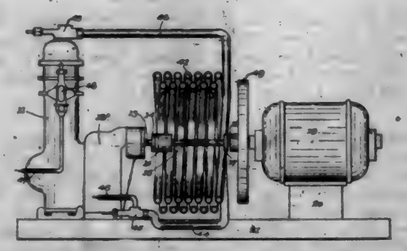
1. As a new article of manufacture, a smoking pipe comprising an elongated body having a bore disposed axially therethrough, a partition intersecting said bore dividing the body into a bowl and a stem, said partition having an opening therethrough communicating with such bowl and stem, a mouth piece engageable with the stem portion of the body, and a rotatable plug disposed through the body adjacent to the outer portion of the bowl and intersecting said bowl, the portion of the plug within the bowl having a recess thereacross to permit filling of the bowl when the plug is in one position.

1,535,935. ROTARY JAR. ANTHONY E. MCLEAN and JOHN M. SPRAGUE, Fullerton, Calif. Filed Dec. 13, 1923. Serial No. 680,443. 16 Claims. (Cl. 255—27.)



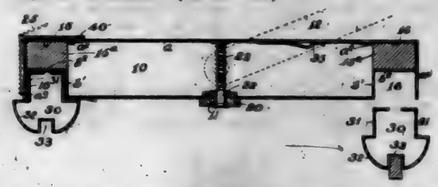
12. In a rotary jar, a shaft carrying a head provided with a thread adapted to engage a box to rotate the same and with a cam surface adapted to engage an anvil to jar the same.

1,535,936. COMPRESSOR UNIT. WILLIAM D. MERCER, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Oct. 2, 1923. Serial No. 666,066. 4 Claims. (Cl. 62—116.)



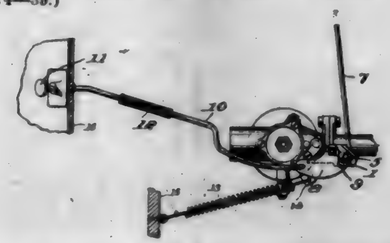
1. In combination, a compressor adapted to be inserted in a refrigerating system to compress the refrigerant, a motor adapted to drive said compressor and spaced from said compressor, a normally rigid shaft drive connecting said motor to said compressor, a fan also operated by said drive and at a point intermediate said motor and said compressor, a cylindrical condensing coil also adapted to be inserted in said refrigerating system and positioned between said motor and said compressor about said drive in the path of the current set up by said fan, and means interposed in said drive intermediate said fan and said compressor arranged to yield upon abnormal resistance to operation of said compressor to permit said motor and said fan to continue operating under such conditions without operating said compressor.

1,535,937. FLOOR-WAXING DEVICE. JAMES H. MILLHOLLAND, Philadelphia, Pa., assignor to John S. Clement Company, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Feb. 24, 1925. Serial No. 11,174. 8 Claims. (Cl. 91—30.)



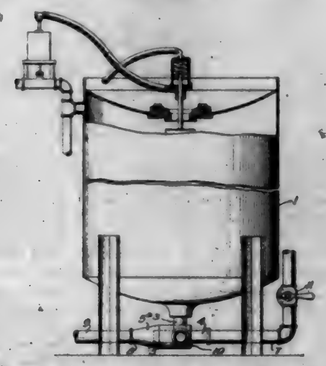
3. In a floor waxing device comprising a container having a bottom wall provided with an intermediate discharge outlet, and an open bottom endwise extension forming an applicator-receiving pocket; a hollow-formed sheet-material applicator device having a pocket engaging portion with yieldingly spaced walls, and a distributor-portion depending below the container bottom and formed with a pad-receiving groove.

1,535,938. CARBURETOR ATTACHMENT. ITSON MOODY, Pontiac, Mich. Filed Feb. 12, 1923, Serial No. 618,597. Renewed Oct. 6, 1924. 3 Claims. (Cl. 74—39.)



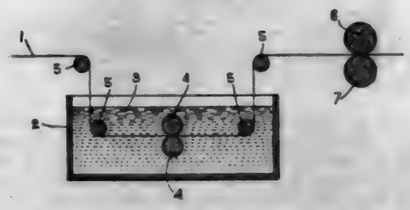
1. An attachment of the class described comprising a plate connected with the throttle valve of a carburetor, means for connecting said plate with the hand lever, a second plate pivotally secured to the first plate and having a shoulder thereon engaging the first plate and a foot pedal connected with the second plate.

1,535,939. SAND-BLAST-FEEDING MACHINE. RAYMOND H. MOORE, Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y., a Corporation of Ohio. Filed July 3, 1922. Serial No. 572,452. 1 Claim. (Cl. 51—12.)



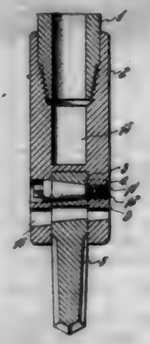
In sand blast apparatus, the combination of a supply tank, a sand outlet pipe extending downwardly from said tank, a horizontal sand and air pipe of like dimension connected with said downwardly extending pipe and receiving sand therefrom, said horizontal pipe having an open end portion projecting beyond said downwardly extending pipe sufficiently to prevent sand from falling out of the open end of said portion by gravity and having a compressed air connection of like dimension, and a compressed air pipe arranged to withdraw sand from the open end of said horizontal sand pipe and discharge the same for sand blast purposes.

1,535,940. PAPER PRODUCT. KIRKE L. MOSES, Brookline, Mass. Filed Mar. 14, 1924. Serial No. 699,279. 6 Claims. (Cl. 92—70.)



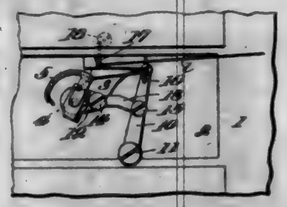
4. The process of producing a paper product which consists in wetting with a water-carrying solution a web or sheet of paper material having rubber incorporated therein and then passing the wet web or sheet between presser rolls operating at different surface speeds.

1,535,941. DRILL COLLAR. GEORGE S. MYERS, Electra, Tex. Filed Oct. 16, 1923. Serial No. 668,921. 1 Claim. (Cl. 279—97.)



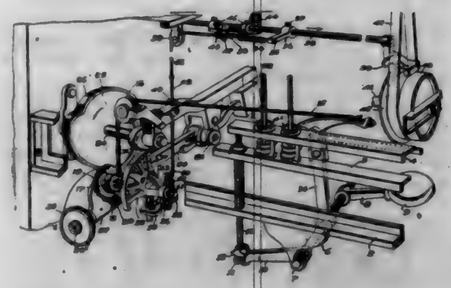
In combination with a drill bit and collar, said collar having a socket in its lower end, for receiving the shank of the bit, said shank having a tapered hole therein and the collar having a threaded small hole and a large hole for registering with the tapered hole, a pin having a tapered part engaging the tapered hole in the shank with its head of cylindrical shape for engaging the large hole and having its small end threaded to engage the threaded hole, a spring in said threaded hole engaging the threaded end of the pin, a plug closing the threaded hole and also engaging the spring and a wrench receiving part on the head of the pin arranged in the large hole.

1,535,942. LOOPER-THREAD CONTROLLER FOR SEWING MACHINES. LANSING ONDERDONK, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 27, 1922. Serial No. 603,504. 2 Claims. (Cl. 112—241.)



1. The combination with a looper carrier mounted to oscillate back and forth, a looper mounted in said carrier, means for imparting oscillations to said looper carrier and giving an extended dwell thereto at the forward end of the stroke of the looper, an arm projecting from the carrier, a thread controlling lever mounted at one side of the looper to oscillate in a plane parallel with the plane of oscillation of the looper, a link connecting said thread controlling lever with the arm of the looper carrier, said arm and link being so disposed as to move into alinement when the point of the looper is entering or leaving the needle thread loop.

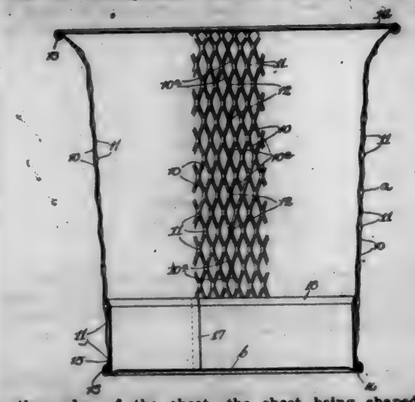
1,535,943. BUILDER MECHANISM FOR WINDING MACHINES. CHARLIE A. PAYNE, Dalton, Ga., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 12, 1923, Serial No. 612,267. Renewed Nov. 15, 1924. 21 Claims. (Cl. 242—43.7.)



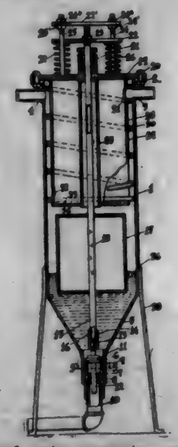
1. In a builder mechanism for yarn winding machines, the combination of a builder cam and builder arm, yarn guiding means connected to the builder arm, a bunch builder cam, a bunch builder segment mounted on the builder arm, and a segment controller rendered effective when the machine is stopped and the builder arm is lowered for moving the builder segment into operative relation with the builder cam for automatically winding a bunch when the machine is again started.

1,535,944. METAL BASKET. HENRY W. A. PRANGE, Chicago, Ill., assignor to Northwestern Expanded Metal Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 29, 1923. Serial No. 628,496. 4 Claims. (Cl. 220—19.)

1. A basket body comprising a sheet of expanded metal having diamond-shaped meshes with the outer side corners of the meshes at one edge of the sheet in line with the corresponding corners of the meshes at the other edge of the sheet, the sheet being shaped into basket form and the meeting corners of the meshes welded together.



1,535,945. STEAM AND WATER SEPARATOR. ARTHUR L. PROUT and ADRAIN R. REYNOLDS, Long Beach, Calif. Filed June 19, 1924. Serial No. 720,914. 9 Claims. (Cl. 183—42.)

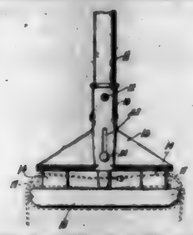


1. A steam and water separator comprising a cylinder vertically mounted and having an inlet nipple near the top at one side and an outlet nipple near the top at the other side, a cap closing the upper end of the cylinder, means mounted in the upper part of the cylinder adapted to separate the water from steam passing in at one nipple and out at the other, a valve at the bottom of the cylinder, a stem extending upwardly from the valve through the cap, a float upon the stem in the lower part of the cylinder, the stem being hollow and there being perforations within the float leading to the hollow so that steam or water in the float may blow out of the upper end of the stem.

1,535,946. MOP HEAD. WARREN RAWALT, Hot Springs, Ark. Filed Apr. 11, 1924. Serial No. 705,941. 1 Claim. (Cl. 15—228.)

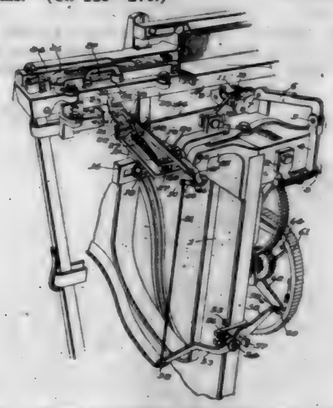
A mop head including a handle socket, reinforcing webs projecting from the opposite sides thereof, projections depending from the lower edges of said webs, a bar supported by the projections and arranged in spaced parallel relation with said webs, and about which the mopping cloth is adapted to be arranged, an elastic clo-

ment adapted to surround said projections and hold the cloth detachably associated therewith and with said bar, and a normally projected spring pressed pin arranged to slide within said socket, and having its lower end bi-



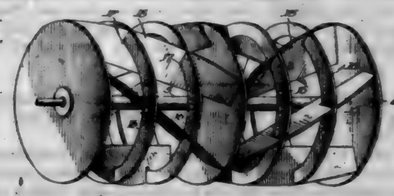
furcated to receive the adjacent edges of said cloth to assist in holding the latter associated with the mop head, said pin normally engaging the said bar at a point between said projections.

1,535,947. FEELER MECHANISM FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Feb. 14, 1924. Serial No. 692,856. 10 Claims. (Cl. 139—270.)



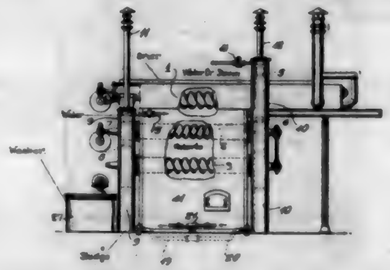
1. In a feeler mechanism for looms, the combination of a feeler, a pivotal detent mounted for movement of its pivotal point towards and from the front of the loom for moving the feeler frontwardly out of cooperative relation with the filling and holding it at rest for a period of time and then releasing it to the performance of its feeling function, and means for operating the detent that the feeler may have periods of activity and be moved into a position of inactivity at intervals during weaving with the same supply of filling in the shuttle.

1,535,948. SAND CUTTER OR MIXER. ELMER A. RICH, Jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y., a Corporation of Ohio. Filed Dec. 29, 1923. Serial No. 683,492. 6 Claims. (Cl. 22—69.)



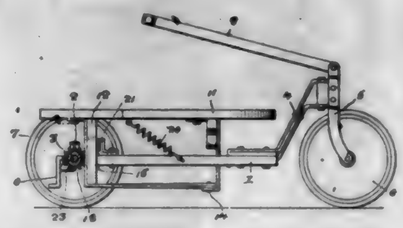
6. A cutting device for sand cutting machines comprising a rotary cylinder having rotary cutting blades and rings encircling the cylinder and crossing the blades.

1,535,949. APPARATUS FOR DRYING, BURNING, AND RECOVERING FINELY-DIVIDED MATERIALS. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands. Filed May 26, 1923. Serial No. 641,775. 1 Claim. (Cl. 252—3.)



Apparatus for the continuous drying and heating of finely divided material and especially suitable for reviving spent decolorizing carbon, kieselguhr, fuller's earth and the like adsorbents, comprising a plurality of drying and "burning" retorts, mechanical means for moving solid material through said retorts, and condensation and dust collecting apparatus, which condensation and dust collecting apparatus, which condensation and dust collecting apparatus is composed of a plurality of units, each of which is independently connected with the said retorts by short wide conduits not directly exposed to the heating medium, which conduits are capable of being cleaned from the outside, said condensing apparatus being provided with at least two receiving tanks for the solid material recovered in said condensing apparatus, said tanks communicating with each other, one of said tanks being closed by a water seal and serving for directly receiving said solid material, said other tank being provided with means for removing the treated material.

1,535,950. VEHICLE. EDWARD J. SCHRAMEK, Saginaw, Mich. Filed Sept. 29, 1924. Serial No. 740,647. 6 Claims. (Cl. 208—38.)

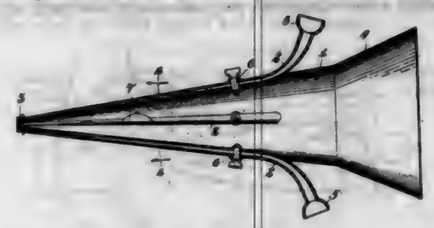


1. A vehicle of the class described comprising a wheeled frame, a platform tiltably supported on the frame, racks connected with the platform and rack wheels connected with some of the wheels of the vehicle whereby the rocking movement of the platform will rotate the wheels and means for moving the platform to a position where the racks will be out of engagement with the rack wheels and means for preventing the platform being rocked when in this position.

1,535,951. LOUD SPEAKER. LOUIS SCHWARTZ, Brooklyn, N. Y. Filed Mar. 25, 1924. Serial No. 701,791. 2 Claims. (Cl. 181—27.)

1. A device of the character described, comprising a main horn, auxiliary horns extending along the side wall

of the main horn and having their inlet ends in the same plane, said auxiliary horns integral throughout the



greater portion of their length with the main horn and at their outlet ends diverging from the main horn.

1,535,952. POLISHING COMPOSITION. JAKOB SCHWARZKOPF, Elmshorn, Germany. Filed Oct. 28, 1924. Serial No. 746,400. 2 Claims. (Cl. 134—24.)

1. A polish made of wax and wax-like substances, for polishing leather, linoleum, wood and the like, including a solvent and the ingredient "coffee wax," as set forth.

1,535,953. CARBON REMOVER. IRA J. SHIPMAN, Midwest, Wyo. Filed Mar. 25, 1924. Serial No. 701,868. 2 Claims. (Cl. 87—5.)

2. A carbon remover consisting of about 65% of tallow, about 32% of sulphur and about 3% of alcohol.

1,535,954. LUNCH BOX. EDWARD P. SMITH, Pittston, Pa. Filed Apr. 3, 1924. Serial No. 704,037. 2 Claims. (Cl. 206—4.)



1. A lunch box comprising a box-like body member having an open side and a closed side, a box-like cover member having a closed side an open side, said cover member having a central longitudinal partition defining between the closed side and said partition a liquid receptacle provided at one end with a filling nozzle and a closure element therefor, the open sided portion of the cover member adapted to telescopically receive the open side of the body member to define a compartment for the reception of solid foods, the said latter compartment being adjustable in size whereby to increase and decrease the capacity thereof by relative telescopic adjustments of the sections.

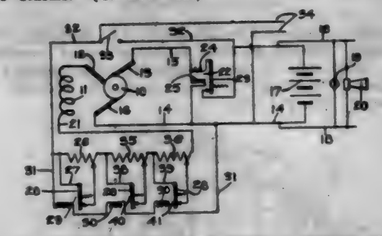
1,535,955. BRUSH AND THE LIKE. LEE SNYDER and CLARENCE SMITH, Freeport, Ill., assignors to John H. Northbridge, Freeport, Ill. Filed Aug. 10, 1922. Serial No. 580,830. 2 Claims. (Cl. 15—128.)

1. As a new article of manufacture a brush comprising in combination a handle unit having a suitable hand grip, a head at one end thereof, there being a longitudinally extending bore, through the hand grip and head, a hose connection at the other end in communication with said bore, there being a central recess reaching inwardly into the head and having a floor lying at right angles to the axis of the handle, there being a socket reaching into the head at each end of said floor and at right angles thereto, a spray tube threaded onto the head and extending longitudinally therefrom and in communication with the bore of the handle unit and provided with a series of side spray orifices, and a U-shaped twisted bristle holder of generally oval shape and having the ends of its wires brought relatively close together and into parallelism and adapted to reach directly into the floor sockets, a wedge block adapted to



seat into the recess of the handle unit and against the end portions of the wires of the bristle unit, and means for clamping the wedge block into said recess comprising a nut threaded onto the spray nozzle and against the wedge block, substantially as described.

1,535,956. ELECTRIC LIGHTING AND STARTING SYSTEM FOR MOTOR VEHICLES. FRANKLIN WESLEY STRINGER, Minneapolis, Minn. Filed Mar. 22, 1917, Serial No. 156,759. Renewed July 3, 1923. 39 Claims. (Cl. 290—41.)



1. An electrical system comprising a third-brush generator having a field coil, a battery, means for connecting the field coil with the third brush and the battery so that the field coil receive at starting a separate exciting current from the battery through a portion of the armature winding of the generator, and means for reducing the charging current when the charging voltage reaches a predetermined point.

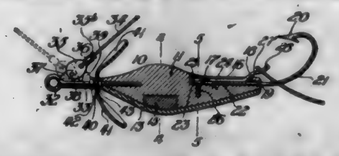
11. An electrical system comprising a third brush generator having an armature and field coil, a battery, a line connecting said armature and battery, an ignition system, a circuit connecting the field coil and ignition system with the third brush and one side of the line, a circuit connected with said last-named circuit at a point intermediate the ignition system and field coil and with the opposite side of the line, a switch in the last-named circuit, a relay connected across said line and rendered operative when the charging voltage reaches a predetermined point, and means actuated by said relay for reducing the charging current of said generator.

32. In an electric lighting and starting system for motor vehicles, the combination with a third brush generator operating with a falling current-speed characteristic and having a shunt field winding only, of a battery, means for connecting said generator to said battery, a resistance, and means responsive to a characteristic of

the battery energy supplied by said generator to said battery for inserting said resistance in the circuit of said field winding.

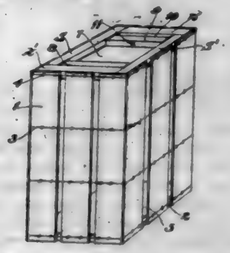
35. In an electric lighting and starting system for motor vehicles, a battery, a vehicle lamps, means for supply current of at least two different current-speed characteristics to said battery and said lamps and maintaining said battery at substantially full-charge voltage during the operation of said vehicle whereby said lamps are supplied in parallel with a charging battery while said supplying means is operating, on either characteristic, comprising a generator of the third brush type having a shunt field winding, a resistance, and means for inserting said resistance in said field winding in response to a predetermined full-charge voltage and for removing said resistance in response to a voltage not lower than that corresponding to a substantially fully-charged state.

1,535,957. ARTIFICIAL BAIT. WILLIAM STANLEY and CHARLES J. STANLEY, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,507. 12 Claims. (Cl. 43—39.)



1. In a fish bait, the combination of a plug configured to resemble a minnow body, a spinner having a rearwardly extending obliquely disposed blade overlying the forward end of the plug and swivelly mounted in advance of the plug, weed guard prongs pivoted in advance of the spinner and normally extending rearwardly and outwardly over the spinner and plug, and a stop member for limiting the rearward swing of the prongs to prevent interference of the spinner, substantially as described.

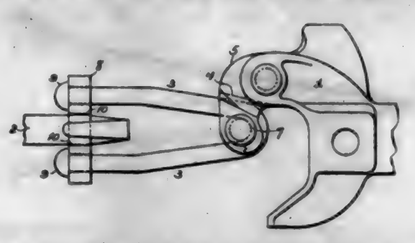
1,535,958. BOX AND METHOD OF MAKING THE SAME. ROSCOE STEELE, Rockaway, N. J., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed July 13, 1920. Serial No. 395,838. 16 Claims. (Cl. 217—12.)



1. In a wirebound box having a cleat frame outlining the top thereof and so arranged that the top surface of no cleat of said frame is below the bottom surface of any other cleat of said frame, a removable section adapted to be inserted within said cleat frame without the box and, when shifted, to rest at a plurality of its extremities against the inner face of said cleat frame, and detechable means to hold said removable section in shifted position.

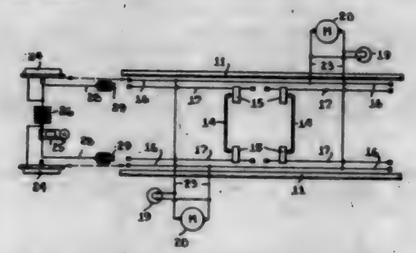
1,535,959. CAR-COUPLING DEVICE. HARRY WALTER STREITBACH, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Original application filed Mar. 22, 1923, Serial No. 626,934. Divided and this application filed Nov. 5, 1923. Serial No. 672,886. 3 Claims. (Cl. 213—118.)

1. In a device of the class described, the combination of a hook coupler, an automatic coupler including a knuckle and a pin mounted vertically in the free end portion of the knuckle, the knuckle having a horizontal recess across which the pin passes, a U-bolt fitted slid-



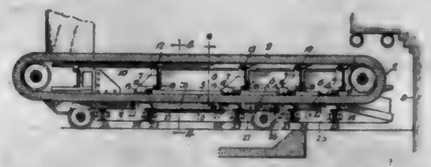
ably in said recess and about the pin, and a yoke slidably fitted on the U-bolt and engaged through the hook coupler and with the sides of the said coupler.

1,535,960. SIGNALING DEVICE FOR RAILWAYS. VINCENT J. STEWART, Jacksonville, Fla., assignor of one-fifth to S. P. Livingston, Jacksonville, Fla. Filed Oct. 9, 1924. Serial No. 742,681. 4 Claims. (Cl. 246—125.)



1. An electric signaling system comprising, in combination, a track, railway rolling stock on said track, a signaling device carried by said rolling stock, a source of electrical energy carried by said rolling stock, a bridge associated with said track said bridge being normally maintained in elevated position and adapted to be depressed for closing the circuit through said signaling device, substantially as set forth.

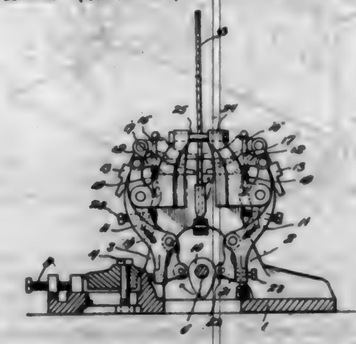
1,535,961. FURNACE STOKER. ARTHUR P. STRONG, Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind., a Corporation of Illinois. Filed Apr. 17, 1922. Serial No. 554,136. 8 Claims. (Cl. 110—40.)



1. In a furnace stoker, the combination with an endless chain grate having upper and lower leads, of transverse partitions dividing the space between said leads into a plurality of draft compartments, and air sealing means for the compartments along the upper and lower edges of said partitions, the lower sealing means consisting of a row of shoes for each partition and resting on the lower lead, and sealing plates between the shoes and their respective partitions, said plates having pivotal connections with said shoes and partitions.

8. In combination in a furnace stoker, an endless chain grate having upper and lower leads, and means beneath the lower lead for supporting the same, said means consisting of connected longitudinal and transverse metal members with chambers between them for the collection of droppage through the lower lead to present a bearing floor for the lower lead of metal and droppage.

1,535,962. SAW SET. EDWARD VERNON SUMMERELL, Norfolk, Va. Filed May 24, 1924. Serial No. 715,033. 3 Claims. (Cl. 76—61.)

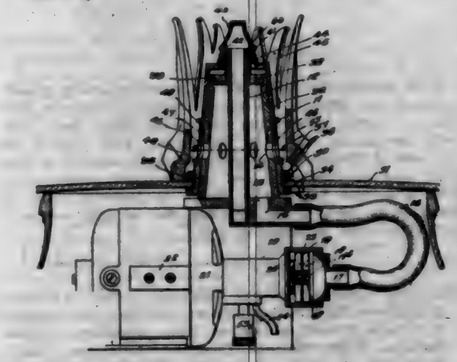


1. A saw-set comprising a base having a knee fixed thereon, a knee adjustably mounted upon the base, levers pivoted upon the knees, dogs pivoted upon the levers and guided along the upper portions of the knees, said dogs provided on their upper edges with notches, catch members provided with shoulders engageable with the notches of the dogs, springs attached to the ends of the catch members and to the levers, a shaft journaled upon the base between the levers, and a cam mounted upon the shaft and adapted to swing the levers as the shaft is turned.

1,535,963. ACCELERATOR FOR RUBBER VULCANIZATION. WELLINGTON LEE TANNER, Cleveland, Ohio, assignor to The Grasselli Chemical Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 29, 1924. Serial No. 728,961. 10 Claims. (Cl. 18—53.)

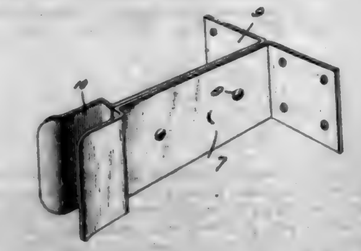
1. Process which comprises vulcanizing rubber in the presence of a halogenated alkylamine.

1,535,964. FOUNTAIN. ARTHUR J. TISLEY, Brooklyn, N. Y., assignor to Edwd. F. Caldwell & Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 17, 1923. Serial No. 632,718. 4 Claims. (Cl. 299—7.)



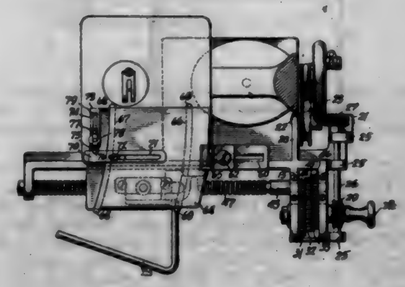
1. In a fountain a hollow member having means by which it may be secured to a bowl at an opening therein and provided with an inlet and a shoulder, a support having a vertically extending portion disposed within the hollow member and having an inlet at the first mentioned inlet and a threaded portion, an outlet extending upwardly from the support within its vertically extending portion and a nozzle having a thread meshing with the thread on the vertically extending portion which may be moved in the direction of the shoulder.

1,535,965. HAYRACK. EDVARD TOBIAS, Prescott, Wis. Filed Mar. 8, 1924. Serial No. 696,558. 1 Claim. (Cl. 296—9.)



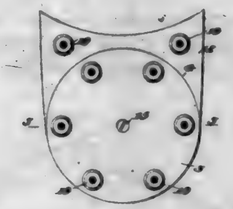
In a hay rack, a spacing member adapted for disposition between a stake and a sill, said member comprising a pair of duplicate plates having their intermediate portions secured together, corresponding ends of said plates being bent laterally in opposite directions to provide attaching flanges, the opposite ends of the plates being bent laterally in opposite directions and then outwardly in spaced parallelism to provide a socket for reception of the stake, the extremities of the last named ends of the plates being flared to facilitate a connection with the stake.

1,535,966. FEEDING DEVICE FOR PRODUCING SPIRAL STITCHES. BORIS TUCKER, Brooklyn, N. Y., assignor of one-half to Samuel Greenstein, Brooklyn, N. Y. Filed Aug. 5, 1921. Serial No. 490,060. 6 Claims. (Cl. 112—2.)



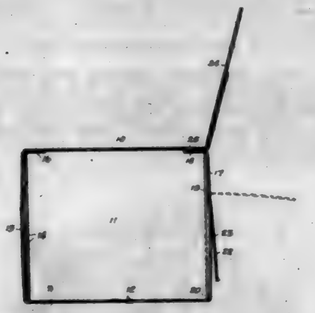
1. In a feeding device for producing spiral stitches, a frame adapted to be secured to the frame of a sewing machine, a shaft journaled in a bearing in the first frame, means for rotating the shaft adapted to be engaged by a moving part of the sewing machine, a second shaft, means by which the second shaft is adapted to be rotated by the first shaft, a third shaft having a thread, a plurality of gears of different diameters secured to one of the last two mentioned shafts, a plurality of gears of different diameters meshing with the first gears and mounted on the other of the said last two mentioned shafts, selective means to secure a predetermined gear of the last mentioned gears to the shaft on which it is mounted and a work holder having a tooth for engaging the thread on said third shaft.

1,535,967. RUBBER HEEL FOR FOOTWEAR. JESSE WEBB TURNER, Brownsville, Pa. Filed Aug. 21, 1924. Serial No. 733,420. 5 Claims. (Cl. 36—39.)



1. A heel for footwear comprising a main fixed member, a rotatable disk-like tread, a circular under-cut guideway and a circularly arranged series of headed studs or pins guided in said guideway and said studs and guideway adjustably and rotatably connecting said main and rotatable tread members.

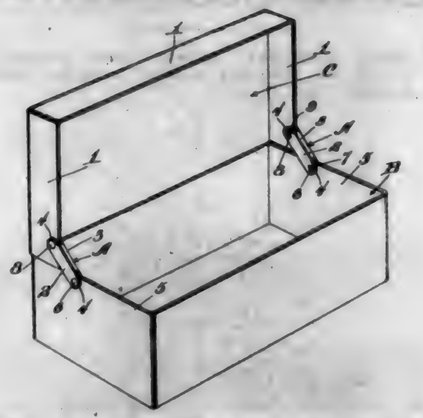
1,535,968. DISPLAY CARTON. RAYMOND VAN IDERSTINE, Glen Ridge, N. J. Filed Mar. 27, 1923. Serial No. 628,082. 4 Claims. (Cl. 206—44.)



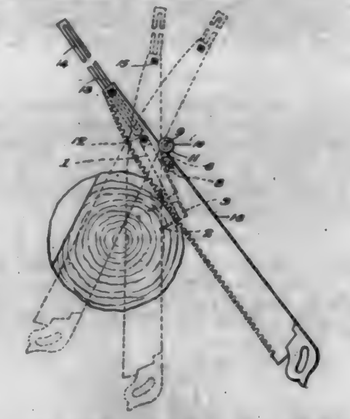
1. An advertising and display carton, comprising a box-like body having completely closed front, top, side and bottom walls, adapted to present surfaces for receiving and displaying advertising indicia relative to the contents, the rear wall having a dispensing opening for removing and vending the goods contained thereby, a closure flap normally closing said opening whereby the goods is housed and protected against handling or theft, and a combined display flap and supplemental covering for the rear wall adapted to respectively project upwardly and rearwardly when in display position and to cover the rear wall for retaining the closure flap in closed position.

1,535,969. BOX ATTACHMENT. HENRY J. VETTER, New York, N. Y. Filed Oct. 6, 1924. Serial No. 741,877. 4 Claims. (Cl. 217—60.)

1. The combination with a box body and a hinged cover therefor, a margin of the cover having a flange adapted to overlie a wall of the box body when the cover is in closed position; a member substantially U-shaped in cross section and adapted to straddle the upper marginal portion of said wall of the box body from above, means for pivotally connecting an end portion of said member to such wall, the opposite end portion of the member being provided with spaced ears to receive therebetween the flange of the box cover when the box cover is in open position.



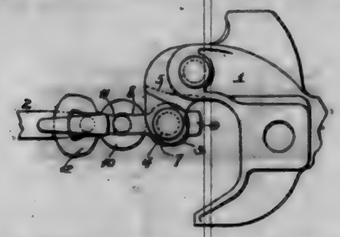
1,535,970. TREE-SAWING APPARATUS. DELL WELCH, Loreau, Mont. Filed Sept. 8, 1923. Serial No. 661,645. 2 Claims. (Cl. 143—163.)



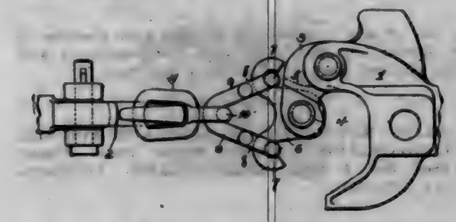
1. In a tree sawing apparatus, a body having spikes to be forced into a tree to be cut, a roller on the body, a spring influencing the roller away from the body, means for adjusting the spring with respect to the body, a slotted saw support pivotally secured to the outer end of the body, and said support designed to provide a rest for a saw which is provided with a pin that is received through the slot of said support, as and for the purpose set forth.

1,535,971. CAR-COUPLING DEVICE. JOHN CLIFFORD WHITRIDGE, GEORGE TEWKESBURY JOHNSON, and HARRY HAMILTON WOLFE, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Nov. 5, 1923. Serial No. 672,855. 4 Claims. (Cl. 213—112.)

1. In a device of the class described, the combination of an automatic coupler including a knuckle, and a vertical pin in the free end portion of the knuckle, the free end of the knuckle having a horizontal notch therein, an element fitting within said notch and about said pin, a hook coupler, and connections between said element and the hook coupler permitting relative pivotal movement of the same, said connection having a part disposed behind the notch in the knuckle.

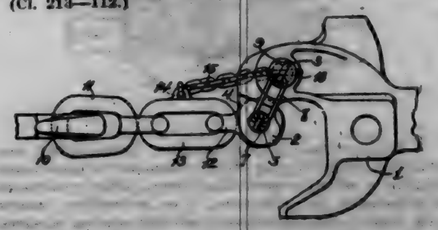


1,535,972. CAR-COUPLING DEVICE. JOHN CLIFFORD WHITRIDGE, GEORGE TEWKESBURY JOHNSON, and HARRY HAMILTON WOLFE, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Original application filed Mar. 22, 1923, Serial No. 626,934. Divided and this application filed Nov. 5, 1923. Serial No. 672,856. 3 Claims. (Cl. 213—112.)



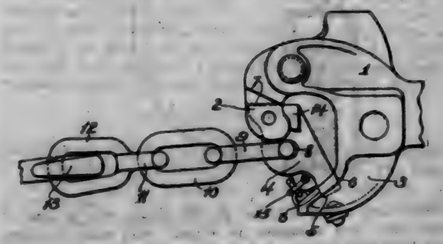
1. In a device of the class described, the combination of an automatic coupler including a knuckle, and a vertical pin in the free end portion of the knuckle, a hook coupler, an eye engaged around said pin, and a foldable connection between said eye and the hook coupler, said connection including a V-shaped link carried by the eye and a trapezoidal link engaged with the hook coupler and provided at its outer end with a relatively narrow central extension engaged in the apex of the V-shaped link.

1,535,973. CAR-COUPLING DEVICE. JOHN CLIFFORD WHITRIDGE, GEORGE TEWKESBURY JOHNSON, and HARRY HAMILTON WOLFE, Columbus, Ohio, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Nov. 23, 1923. Serial No. 676,575. 2 Claims. (Cl. 213—112.)



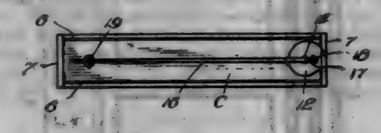
2. The combination of a drawhead, a knuckle pivoted therein, the pivot of the knuckle being secured against withdrawal and the knuckle being formed at its free end with a vertical opening terminating short of the bottom of the knuckle and with a horizontal notch intersecting said opening, a link seated in said notch, a pin passing through said link and housed in the vertical opening in the knuckle, and a link connection between the upper end of said pin and the pivot of the knuckle, said connection permitting release of the pin from the first-mentioned link but preventing complete withdrawal of the pin from the knuckle.

1,535,974. CAR-COUPLING DEVICE. JOHN CLIFFORD WHITRIDGE, Columbus, Ohio, assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Filed Nov. 23, 1923. Serial No. 676,578. 3 Claims. (Cl. 213—112.)



1. The combination of a coupler head including a slotted knuckle and a guard arm provided with a seat on its inner side, a member engaged freely at one end in the seat on the guard arm and at its opposite end in the slot of the knuckle, and links attached to said bar between its ends and adapted to be engaged with a hook coupler.

1,535,975. BROOCH PIN OR THE LIKE. CARL G. WHITEBUCK, Elgin, Ill. Filed May 21, 1923. Serial No. 640,313. 7 Claims. (63—20.)

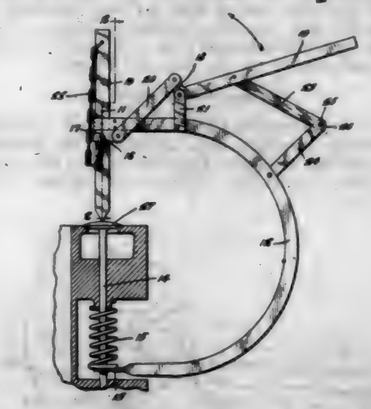


1. In an article of the kind described, an open faced frame, a display medium therewithin and visible through the face thereof, a back plate arranged within the frame rearwardly of the display medium, and means for securing the back plate in position comprising a fixed element on the plate in interlocking relation with a part of the frame, and a rotatable element mounted to swivel on the plate for co-operation with another part of the frame, a pin mounted on the rotatable element, and means releasably holding the pin whereby to lock the rotatable element against swiveling, substantially as described.

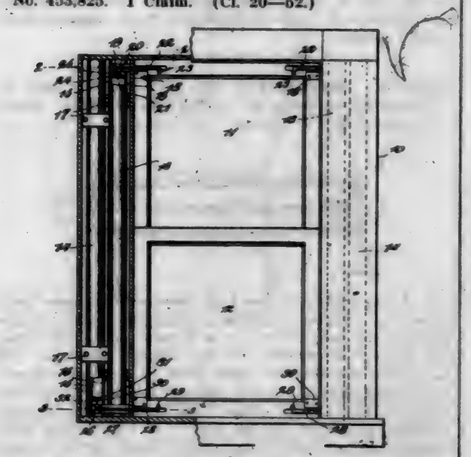
1,535,976. VALVE-SPRING COMPRESSOR. GEORGE C. WILSON, Lincoln, Nebr. Filed June 4, 1924. Serial No. 717,867. 1 Claim. (Cl. 29—96.5.)

A valve spring compressor comprising a rod adapted to engage the head of said valve, a yoke slidable on said rod and having one end terminating beneath the latter and designed to engage the lower end of said spring, a collar slidably receiving said rod, a lever pivoted upon the yoke, links pivotally connecting the adjacent end of said lever with said collar, means for holding said collar fixed with relation to said rod, whereby a downward pressure is exerted upon the rod simultaneously with the lifting of said yoke when the

lever is swung to an active position, a pair of pivotally connected links having their outer extremities pivotally connected with said yoke and lever respectively, and a lug formed on the inner end of one of said links and arranged to engage said yoke to limit and hold said lever in its active position with the spring compressed.
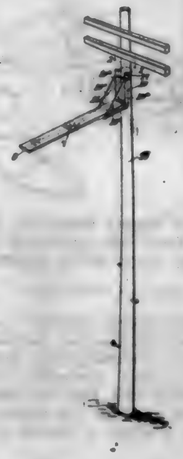


1,535,977. WINDOW STRUCTURE. JOSEPH WOROSILA, Fort Hancock, N. J. Filed Mar. 19, 1921. Serial No. 453,825. 1 Claim. (Cl. 20—52.)



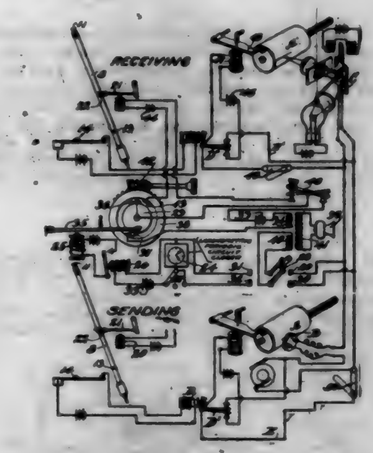
A window structure comprising a frame and a sash mounted for vertical movement therein, a vertically arranged tube extending alongside of the sash and provided in the wall adjacent the sash with a longitudinally extending slot and in the wall remote from said sash with a plurality of vertically aligned openings, a bracket secured to the sash and projecting through the slot into the tube, and a spring pressed plunger carried by the bracket and engageable in any desired one of said openings, said plunger being provided with operating means.

1,535,978. PORTABLE SCAFFOLD. HARRY T. BAKER, Los Angeles, Calif., assignor of one-half to Edgar E. Taylor, Los Angeles, Calif. Filed May 5, 1924. Serial No. 711,145. 3 Claims. (Cl. 304.)

1. An adjustable scaffold comprising a platform, a pair of members rigidly secured to said platform and extending upwardly from the end thereof, a pair of rigid inclined braces rigidly secured to said platform and to said pair of members, a flexible element attached to one of said members for securing said platform to an upright body, and a piercing point associated with said platform adapted to penetrate said body.



1,535,979. METHOD OF AND APPARATUS FOR SYNCHRONIZATION. EDOUARD BELIN, Paris, France. Filed Feb. 7, 1925. Serial No. 7,536. 18 Claims. (Cl. 177—311.)



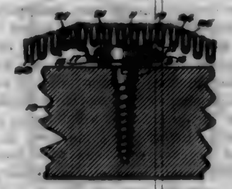
7. The method of synchronising transmitting and recording cylinders of a record transmission system and located in widely separated stations, which consists in synchronizing the movement of a controlling member with that of the transmitting cylinder, sending a signal to the receiving station by said controlling member, synchronizing a controlling member at the receiving station with said signal, and releasing the last mentioned controlling member to operate in phase with the controlling member of the transmitting station.

1,535,980. MARKING GUIDE. NELSON I. CAMPBELL and ABRAHAM MARTIN HERRSMAN, Los Angeles, Calif. Filed Sept. 5, 1923. Serial No. 661,033. 2 Claims. (Cl. 33—177.)



1. A marking guide comprising a sheet adapted to be wrapped around a pipe and having perforations laid out so that the pipe may be marked through the perforations for making a cut at the desired angle.

1,535,981. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 22, 1924. Serial No. 687,751. 21 Claims. (Cl. 16—4.)



1. A carpet fastener socket installation comprising a casing underlying the back of a carpet and presenting upstanding prongs which penetrate the carpet backing and extend outwardly over the carpet web, said prongs being concealed by the pile of the carpet.

1,535,982. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 22, 1924. Serial No. 687,752. 11 Claims. (Cl. 16—4.)



1. A carpet fastener socket including a single piece of metal providing a plurality of resilient fingers arranged about a stud-receiving aperture and each presenting a stud-engaging jaw at its end, said fingers yielding upwardly during entrance of the stud in the stud-receiving aperture, and prongs projecting from the periphery of the socket and bent outwardly to engage the backing of the carpet, in a zone relatively remote from said fingers, whereby said fingers may yield upwardly without interference from said prongs or the carpet backing underlying them.

1,535,983. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Jan. 22, 1924. Serial No. 687,753. 11 Claims. (Cl. 16—4.)



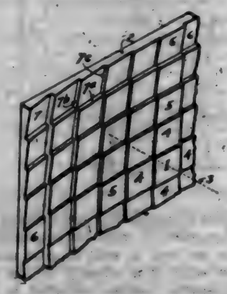
1. A carpet fastener socket comprising a casing presenting an outer cylindrical wall, an inner cylindrical wall, a web connecting said outer and inner walls, a plurality of stud-engaging fingers surrounding a stud-receiving aperture, and a plurality of attaching prongs extending upwardly from said outer cylindrical wall.

1,535,984. CURRENT-COLLECTING DEVICE. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Apr. 9, 1924. Serial No. 705,215. 17 Claims. (Cl. 191—59.1.)



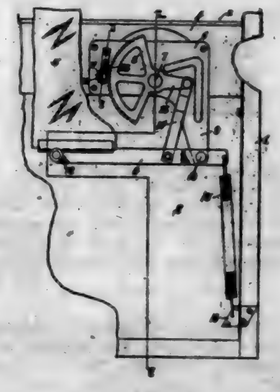
1. A current collector comprising a body member having a plurality of flat wire-engaging surfaces connected at their extremities by curved surfaces and having a plurality of fixed means to receive a support about which the collector can pivot so as to present either one of two predetermined flat surfaces to a wire and depending upon the direction of motion of the collector relative to the wire the number of flat wire-engaging faces and the number of fixed means being equal.

1,535,985. PROJECTION SCREEN. PAUL L. CLARK, Denver, Colo. Filed Aug. 27, 1920. Serial No. 406,382. 17 Claims. (Cl. 882—24.)



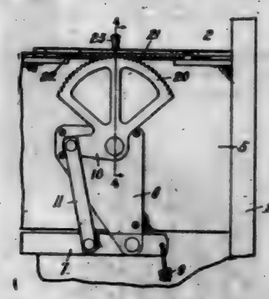
1. A flat light-dispersive structure comprising a plurality of reflecting elements arranged oblique to each other, the angle of obliquely of the general surface of any given element with respect to the general surface of the element at the axis of the aforesaid structure being proportional to its distance from the said axis, substantially as described.

1,535,986. WINDOW-CONTROL MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,050. 1 Claim. (Cl. 268—4.)



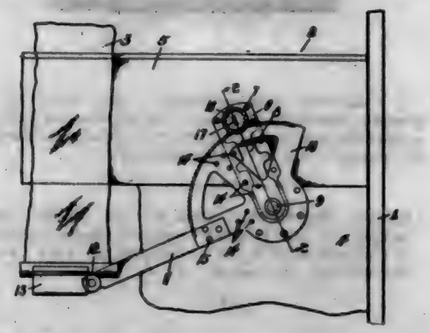
In a window control mechanism, a support adapted to be attached to the lock board of a window casing, a lever pivoted intermediate its ends to said support and normally extending in substantially a horizontal plane, one end of said lever being adapted operatively to engage an edge of the window, a spring connected to said lever and adapted to be connected at the opposite end thereof to a stationary point within the casing, a link movably connected to said lever between the window engaging end and pivot thereof, and interengaging toothed elements on said support and connected to one end of said link whereby actuation of said elements in one direction or the other raises or lowers the window.

1,535,987. WINDOW-CONTROL MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 664,353. 1 Claim. (Cl. 268—4.)



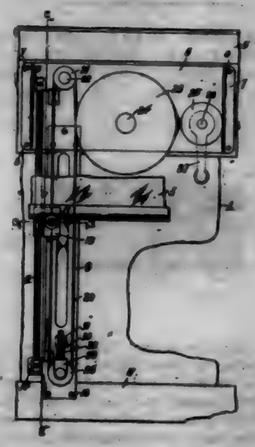
A unitary window regulating mechanism for vehicles consisting of a support, a window supporting arm pivoted intermediate its ends to said support and adapted to engage the lower edge of a window at one end thereof, counterbalancing spring means connected to the opposite end of said arm adapted to engage a stationary part of the vehicle, a bell crank lever fulcrumed on said support, means connecting said lever and arm whereby rotation of said lever in one direction raises the window and in the other direction permits lowering thereof, a connection between said lever and arm whereby movement of said lever in one direction or the other controls the raising and lowering of the window, a gear integral with said lever, a rack bar meshing with said gear for operation thereof, and a guide on the vehicle structure for receiving the rack bar thereby to hold said bar in operative engagement with the gear.

1,535,988. WINDOW-CONTROL MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed Feb. 8, 1924. Serial No. 691,847. 2 Claims. (Cl. 268—4.)



1. A window control mechanism comprising a bracket adapted to be secured to and extend below the lockboard of a vehicle door, a transverse pivot stud on said bracket and spaced from an edge of the lock board, an operating member pivoted on said stud, a window engaging arm on said member, a convolute spring encircling said stud below the lock board and having one end fixed to the stud, said spring being mounted in close juxtaposition to said bracket with one face thereof substantially flush with said bracket, stationary connecting means for the opposite end of the spring, and means to actuate said operating member.

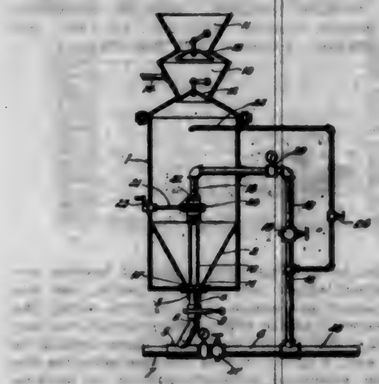
1,535,989. WINDOW-CONTROL MEANS. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed May 5, 1924. Serial No. 710,978. 1 Claim. (Cl. 268—4.)



The combination with a casing, and a member mounted for sliding movement in said casing, of a frame plate secured to the casing at one side of said member and having an arm extending therefrom in a direction parallel to the movement of said member, a cylindrical guide rod fixed at its ends to said plate and arm respectively and extending parallel to the movement of the slide member at a side thereof, a slide having a curved portion engaging said cylindrical guide rod for movement thereon, thereby to permit slight lateral movement between the slide and rod, means on said slide to support said slide member, a plurality of guide sheaves carried by said plate and arm, one of which acts as an operating sheave, operating means connected to said operating sheave, and a cable guided for movements by said sheaves and actuated by a rotation of the operating sheave, said cable having a flight portion parallel to and co-extensive with the permissible movements of the slide member and attached to said slide to move it therewith.

1,535,990. [WITHDRAWN.]

1,535,991. CEMENT-PLACING MACHINERY. JOHN M. CROM, Wilmette, Ill. Filed June 29, 1923. Serial No. 648,524. 1 Claim. (Cl. 302—53.)



In a device of the class described, the combination of a relatively air tight hopper having at its upper end means for introducing raw cement materials without escape of air under pressure from said hopper, and having at its lower end a centrally sloping floor, a discharge passage leading from the lowermost portion of said floor, a connection in conjunction with said discharge passage, a delivery connection from said connection, a compressed air connection to said connection, a valve in the connection between the hopper and said connection, a vertical jet pipe within the hopper having its discharge orifice in alignment with the delivery opening of the hopper, means for delivering compressed air directly to said jet pipe under control of the operator, and independently of the interior of the hopper, means exterior to the hopper for raising and lowering the jet pipe within the hopper and with respect to the delivery opening while maintaining the air connection aforesaid, another connection for the delivery of compressed air directly into the upper portion of the interior of the hopper, and suitable valves for controlling the delivery of compressed air to said connection and to the jet pipe independently of each other, whereby the operation of the device may be commenced by the use of said connection, and whereby the subsequent operation may be controlled by the use of the jet device, substantially as described.

1,535,992. FURNACE. WILLIAM H. FISHER, Los Angeles, and PETER CHAMBERS, Redondo, Calif. Filed May 15, 1923. Serial No. 638,081. 9 Claims. (Cl. 266—5.)

1. In a device of the character disclosed, the combination of: a retort having a work-holding chamber adapted to receive the work to be treated; means for heating said retort; and means for introducing a hydrocarbon liquid into said work-holding chamber without substantial vaporization of such hydrocarbon liquid outside said work-holding chamber.

1,535,993. UMBRELLA. HIMAN GARFINKEL, Corona, N. Y. Filed Aug. 28, 1922. Serial No. 584,828. 3 Claims. (Cl. 135—29.)

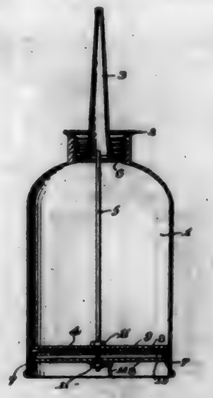


1. An anti-friction connection for the pivotally joined elements of an umbrella frame, comprising a member having spaced bearing ears carried by one of the joined elements, a pivot extending through said ears, a member carried by a second frame element and disposed between said bearing ears, said latter member being provided with a socketed portion having a concentric aperture and a concentrically apertured closure plate for the socketed portion through which apertures the pivot extends the said socketed portion defining a ball race, and anti-friction balls within said race disposed around the pivot pin.

1,535,994. OIL CAN. MILES S. GATES, GEORGE W. BALCOM, and FRED L. ROBERSON, Lewellen, Nebr. Filed Aug. 6, 1923. Serial No. 656,048. 1 Claim. (Cl. 221—48.)

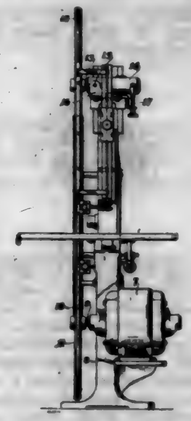
An oil can comprising a receptacle having its lower end open and a tapered spout at its upper end, a plurality of inwardly directed tongues struck from the walls of the can adjacent its lower end, a flexible washer arranged in the can and having around its periphery a portion bent up so as to lie against the wall of the receptacle, a disk arranged upon the upper face of the washer, a second disk arranged below the washer and spaced therefrom, a cleaner stem passing vertically through the disk and washer and adapted to pass into the spout, a coil spring interposed between the washer

and said second disk and pressing said bent portion of the washer against the wall of the receptacle, and a neck on the stem engaging said second disk and a finger en-



gaging element carried by the outer disk, the tongues preventing the washer and parts associated therewith from being wholly drawn from the can.

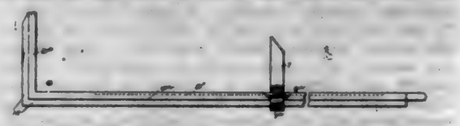
1,535,995. BAND SAW. ALFRED C. GETZ, Sidney, Ohio, assignor to The Sidney Machine Tool Company, Sidney, Ohio, a Corporation of Ohio. Filed Oct. 22, 1923. Serial No. 670,160. 1 Claim. (Cl. 143—17.)



In a band saw machine, the combination of a frame having its lower part provided with a transverse opening, a bracket formed integral with the frame at the bottom of said opening, a motor mounted solely and detachably on said bracket at one side of the said frame and having its drive shaft projecting through said opening to the opposite side of said frame, a lower band wheel rigidly secured to the outer end of said drive shaft, an upper band wheel, and a saw blade carried by said wheels whereby the motor may be removed without dismantling the machine.

1,535,996. FOOT MEASURE. WOLF T. GOLDSMITH, Newark, N. J. Filed Sept. 6, 1922. Serial No. 586,509. 1 Claim. (Cl. 33—3.)

A device of the character described comprising a bar-like measuring member having a groove in its upper face extending longitudinally thereof, said member having a scale extending on its upper face along said groove, a marker block having a transverse opening therethrough loosely receiving said measuring member, the bottom wall of said opening having a groove extending longitudinally thereof, a rib on the lower side of said measuring member engaging with the groove in the lower wall of said opening to hold said measuring member against



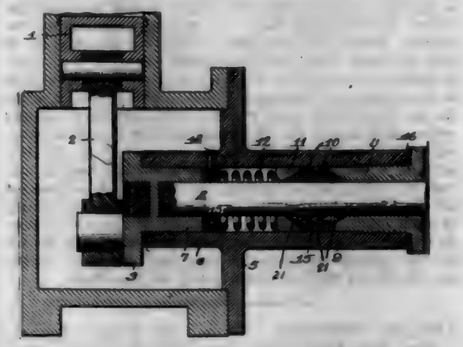
any appreciable lateral oscillation relatively to said measuring member, and a spring pressed plunger carried by said marker block in sliding engagement with said groove in the upper face of the measuring member for spacing said marker block from said scale and tending to hold said marker block in adjusted position along said measuring member.

1,535,997. TICKET HOLDER. BERNARD HALANSKY, Ottawa, Ontario, Canada. Filed Feb. 16, 1924. Serial No. 693,346. 3 Claims. (Cl. 206—39.)



1. A ticket holder comprising a pair of box-like sections including bottom, side and end walls, the side and end walls of one section being received within the side and end walls of the other section, one of said sections having a slot in one end and a finger opening in its bottom wall, a spring pressed follower plate for the other section, means for yieldingly holding the sections together to provide a closed ticket container and extensions along each side edge of each section to facilitate separation.

1,535,998. STUFFING BOX. CHARLES C. HANSON and JOHN TWARDOWSKY, Chicago, Ill., assignors, by mesne assignments, to Universe Corporation, Chicago, Ill., a Corporation of Illinois. Filed June 13, 1921. Serial No. 477,252. 4 Claims. (Cl. 286—7.)



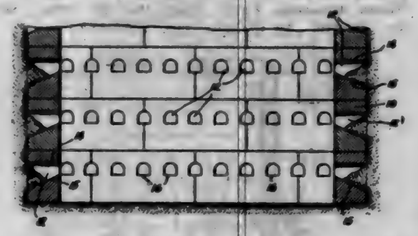
1. In combination with a stuffing box, a shaft, a collar mounted thereon, a pair of members both sleeved upon the shaft and movable with respect to each other and each having a flaring end confronting the collar, a

pair of packing disks respectively contacting opposite faces of the collar and extending from the shaft to the walls of the stuffing box, loose compressible packing disposed between the two disks radially outward of the collar, loose compressible packing between each of the disks and the said flaring ends of said members facing the sides of the collar on which the respective disks are disposed, and spring means for compressing the said packing.

1,535,999. WATERPROOFING OF FABRIC ARTICLES. ARTHUR GEORGE HARRINGTON, London, England, assignor of one-half to Harold Lionel Brandon, London, England. Filed Dec. 1, 1924. Serial No. 753,838. 1 Claim. (Cl. 134—15.)

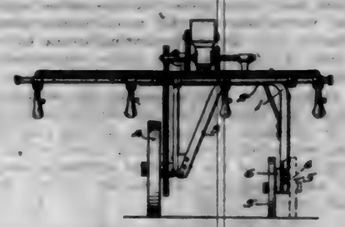
A composition for waterproofing fabrics including hard paraffin wax dissolved in petrol to which a small proportion of trichlorethylene has been added.

1,536,000. CESSPOOL-WALL CONSTRUCTION. JOHN HUGH HAWKINS, Sayville, N. Y. Filed Nov. 21, 1923. Serial No. 676,160. 1 Claim. (Cl. 182—2.)



A cesspool formed of a plurality of rectangular concrete blocks, each provided with a plurality of openings intermediate of its ends and having in each end a recess forming with adjacent blocks openings, said openings each being conical with their smaller ends at the inner face of the block.

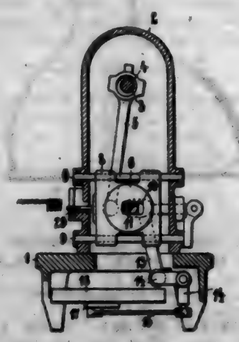
1,536,001. PLANT-TREATING TRUCK. GEORGE H. HAYES, Atlanta, Ga. Filed Feb. 9, 1923. Serial No. 618,074. 1 Claim. (Cl. 280—29.)



A plant treating machine comprising a frame including an arch having one of its legs inclinedly arranged, wheels carried by the arch, shafts connected with the front of the frame to one side of the center thereof, and means provided for placing one of the wheels on the inner or outer face of one of the limbs of the arch.

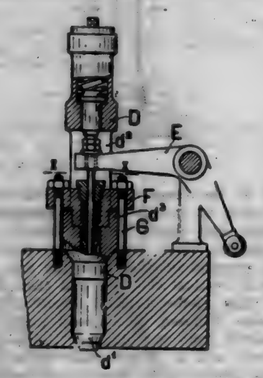
1,536,002. BUTTONHOLE-SEWING MACHINE. ALBERT HENNIG, Bielefeld, Germany, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Filed Feb. 14, 1925. Serial No. 9,246. 4 Claims. (Cl. 112—70.)

1. In a button hole sewing machine of that type having a driving shaft and a material feeding mechanism including a cam actuated in step by step movements, connections between said driving shaft and said cam including a slide, an oscillatory crank disk journaled in and shiftable with said slide and having a radial slot, a crank connection between the disk and the said driving shaft, a lever having operative connections with the



said cam, a block to which said lever is connected, movable in said slot of the disk and held against shifting movements of the latter with the slide, and connections for intermittently shifting the slide whereby to adjust the disk relative to said block.

1,536,003. FUEL VALVE FOR INTERNAL-COMBUSTION-ENGINES. ERNST HERKT, Kiel-Hassee, Germany, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Oct. 26, 1921. Serial No. 510,468. 4 Claims. (Cl. 123—188.)

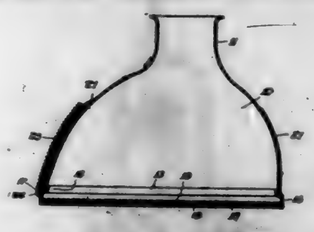


1. In a stem valve for engines, a casing forming a multiple guide for a single valve stem and a separate member engaging said casing and secured to the engine for holding said casing in place.
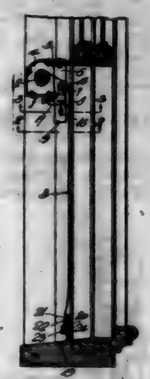
1,536,004. COLOR LIGHTING ATTACHMENT FOR REFLECTORS. PAUL M. HOTCHKIN, Chicago, Ill., assignor to The National X-Ray Reflector Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 24, 1920. Serial No. 360,822. 6 Claims. (Cl. 240—1.)

6. In a lighting fixture, the combination with a light reflector, of a color adapter therefor including a frame detachably associated with the reflector and open to passage of light rays emanating from said reflector,

said adapter having means conforming to the configuration of the reflector to fit the adapter thereto, a color screen displaceably mounted in said adapter to intercept the light rays passing therethrough, and means for detachably connecting the adapter to the light reflector.



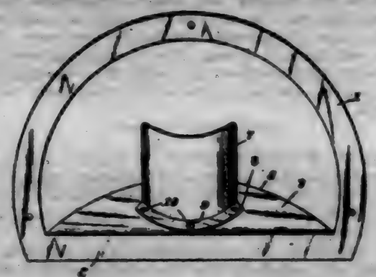
1,536,005. WINDOW SCREEN. GRANT L. HOUSTEAU, Youngstown, Ohio. Filed Nov. 15, 1923. Serial No. 674,950. 1 Claim. (Cl. 156—39.)



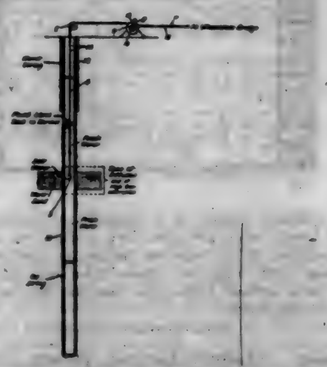
A device of the class described comprising a roller receiving casing to extend between opposed sides of a window frame, end plates for said casing, each of said plates having its inner vertical edge portion bent inwardly into parallel relation with the axis of said casing to form a vertical shoulder and then extended outwardly at right angles to said shoulder to provide a vertical flange disposed in a plane parallel with and spaced inwardly from the plane of the body portion of the end plate, and a substantially rectangular shaped shoe housing joined to the lower end of said flange, the outer side of said housing opening outwardly and having its upper, lower and rear walls terminating substantially in the plane of said flange, the front wall of said housing being disposed substantially in the plane of said shoulder and extending outwardly beyond the plane of said flange to substantially the outer edge of said shoulder and being secured to said shoulder, whereby to prevent relative springing of said housing and said shoulder.

1,536,006. GLARE ELIMINATOR FOR AUTOMOBILES. WILLIAM H. L. HOWARD, Washington, D. C. Filed July 20, 1922. Serial No. 576,345. 8 Claims. (Cl. 240—48.2.)

1. An attachment for eliminating the glare from headlights comprising a substantially segmental front frame arranged to close the lower portion of the headlight at the front thereof, a rearwardly extending approximately segmental support adapted to fit a reflector and cut off the lower portion of the same entirely from the lamp of the headlight and a curved shield extending upwardly from the support and arranged in front of the lamp.

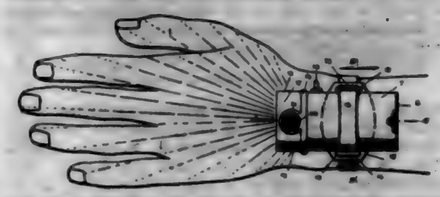


1,536,007. METHOD FOR LOCATING WATER-BEARING STRATA IN BORE HOLES. FREDERICK W. HUBER, Riverside, Calif. Filed Mar. 29, 1924. Serial No. 702,946. 10 Claims. (Cl. 175—183.)



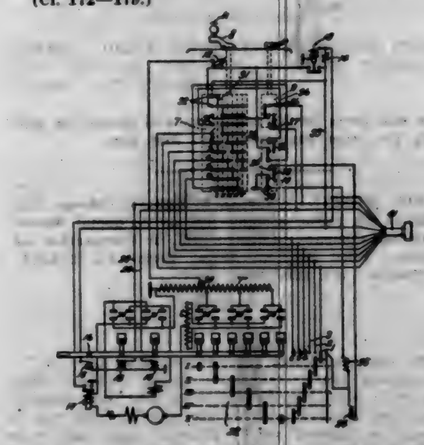
1. The method of determining the location of water bearing strata in bore holes which consists in supplying to the bore hole water presenting less saline concentration than the solution in the water bearing strata so that diffusion from the water bearing strata will establish a zone of relatively high saline concentration in the column of liquid in the bore hole opposite a water bearing stratum and then measuring the electrical conductivity of the liquid in situ at different parts of said column to determine the location of any part thereof presenting such relatively high saline concentration, while preventing fouling of the electrical measuring means by oil, and while employing alternating current in said measuring operation.

1,536,008. SIGNAL DEVICE. FREDERICK W. HUNT, Pasadena, Calif. Filed July 23, 1923. Serial No. 653,167. 1 Claim. (Cl. 177—329.)



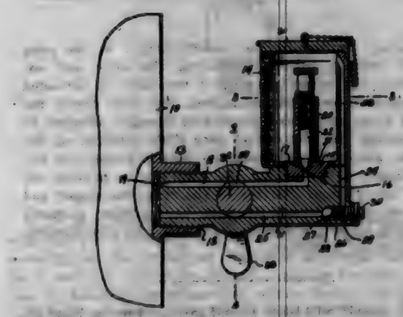
A device of the character described comprising a lamp unit including a case for holding a battery, a lamp bulb carried by the forward end of the case, and a switch carried by said case, means for attaching said case to the arm with the forward end thereof projecting toward the back of the hand, and a reflector of C-shape in edge view overlapping the outer side of the case and having its curved end portions engaging across the edge portions of said case without obstructing the inner side of the case, said reflector being open at the inner side of the case and at that edge opposite to the case for directing the light rays to the back of the hand.

1,536,009. ELECTROPNEUMATIC CONTROL SYSTEM. LEOPOLD JANISCH, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 12, 1923. Serial No. 638,616. 4 Claims. (Cl. 172—179.)



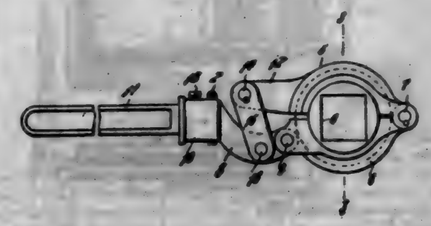
1. A system of motor control comprising electrically controlled fluid operated motor controlling switch mechanism, a master switch having an auxiliary independently operable switch associated therewith for controlling the said switch mechanism, a main supply conduit for the operating fluid for the said switch mechanism, a magnetically controlled valve in the said conduit under the control of the said master switch, and connections whereby the said master switch must be returned to the neutral position to place the said valve under the control of the said auxiliary switch.

1,536,010. LUBRICATOR. JOHN O. JOHNSON, Nakina, Ontario, Canada. Filed Aug. 6, 1923. Serial No. 656,118. 5 Claims. (Cl. 184—55.)



1. The combination with an air compressing cylinder having a piston operating therein, of an oil reservoir having separate inlet and outlet passages, the outlet passage extending from the bottom of the oil reservoir into the cylinder and the inlet passage extending from the cylinder to the top of the oil reservoir, a check valve disposed in the last named passage permitting the inlet of air but preventing the outlet of air, an adjustable valve for controlling the outlet of oil through the outlet passage and disposed entirely within the oil reservoir, and a manually operable valve disposed between the lubricant reservoir and the cylinder and adapted to close off both of said passages or open both of said passages.

1,536,011. FRICTION WRENCH. GEORGE J. JONES and EDWIN J. BLANNING, New Castle, Pa. Filed Oct. 7, 1924. Serial No. 742,194. 1 Claim. (Cl. 81—58.)

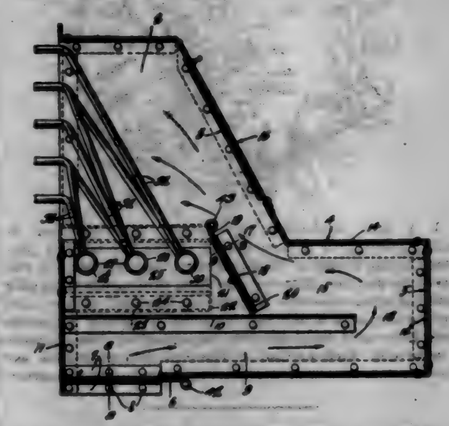


A friction wrench comprising a nut or bolt turning head, hingedly connected jaws disposed in surrounding relation to said head, and a manual oscillatory element having a pivotal connection with one jaw and a link connection with the other jaw, the head being provided with a peripheral rib transversely triangular, and the jaws being formed with a correspondingly shaped groove for the reception of said rib.

1,536,012. PRODUCT PRODUCED FROM SULPHONIC ACIDS AND PROTEIDS AND PROCESS OF MAKING. OMAR T. JOSLIN, Cincinnati, Ohio. Filed Feb. 23, 1923. Serial No. 620,844. 7 Claims. (Cl. 260—1.)

2. A magma formed by the combination of proteid bodies with sulphonic acid.

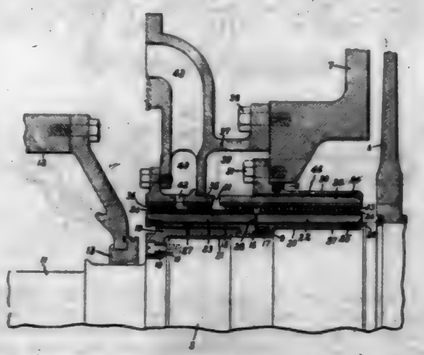
1,536,013. BURNER. WARNER J. JULIAN, Coffeyville, Kans. Filed Oct. 13, 1924. Serial No. 743,445. 3 Claims. (Cl. 158—7.)



1. A burner of the character described comprising a casing having a portion of its rear wall inclined, and a portion of its front open, a draft air passage formed in the casing, means for controlling the air thereto, a burner apparatus detachably associated with the casing

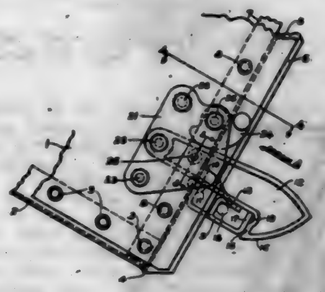
and having a portion thereof extending outwardly beyond the open front, deflecting plates for conveying air to the burner and a door for the inclined wall and provided with transparent means, as and for the purpose specified.

1,536,014. PACKING FOR ELASTIC-FLUID TURBINE AND THE LIKE. OSCAR JUNGGREN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 23, 1923. Serial No. 627,221. 5 Claims. (Cl. 286—9.)



2. In a packing structure, the combination with a shaft and an adjacent wall, of carrying elements fixed to and arranged in spaced relation to said shaft and wall, packing elements carried by and arranged in spaced relation to said carrying elements, and means defining passages for admitting elastic fluid to the spaces between the parts.

1,536,015. CAR-DOOR MECHANISM. BYERS W. KADEL, Baltimore, Md. Filed Apr. 7, 1923. Serial No. 630,483. 9 Claims. (Cl. 105—308.)



1. A door mechanism for railway cars including in combination with a door hinged to the car body, a pivoted member and a fixed member, one carried by the car body and the other by the door, said members having interengaging portions adapted for support of the door in closed position, the pivoted member having a depression in one of its faces, and a projection formed upon a relatively fixed portion of the car, said projection extending into the said depression of the pivoted member.

1,536,016. GUARD FOR GAS STOVES. PETER KAVANAGH, New York, N. Y. Filed June 2, 1924. Serial No. 717,374. 8 Claims. (Cl. 126—42.)

1. In combination with a gas stove having burner cocks arranged along the front thereof, of a protector for said cocks including a pair of separable parts arranged at right angle to each other, means for attaching



one of said parts to the gas stove, and means for supporting the other part from said first part.

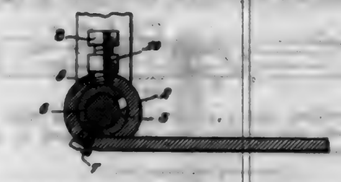
1,536,017. PENCIL. CHARLES R. KERRAN, Chicago, Ill., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 22, 1918. Serial No. 213,241. 27 Claims. (Cl. 120—18.)



1. A pencil having in the lower portion of its body a slotted core, a tube surrounding the core and extending into the upper portion of the body, a threaded sleeve mounted for rotation within the tube above the core, and a threaded lead propelling plunger adapted to travel through the sleeve and core with rotation of the sleeve, the plunger being provided with a projecting element arranged to lie within the core slot to prevent rotation of the plunger relative to the core, the upper end of the core being formed to turn the plunger properly for aligning its projecting element with the slot therein, substantially as described.

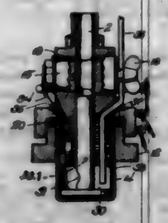
1,536,018. ADJUSTABLE BUSHING. EDWARD KELLEY, Altoona, Pa. Filed Nov. 8, 1924. Serial No. 748,685. 1 Claim. (Cl. 287—54.)

In an adjustable bushing construction, the combination of an eye, a bolt extending through said eye, a split bushing of case-hardened steel arranged in the eye and about the bolt, means for preventing turning of the



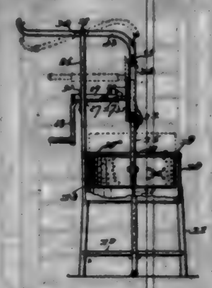
bushing in the eye, and an adjusting bolt threaded in the eye and engaging the bushing.

1,536,019. DRAIN COCK. JOHN F. KELLEY, Chicago, Ill. Filed Oct. 16, 1922. Serial No. 594,909. 8 Claims. (Cl. 137—34.3.)



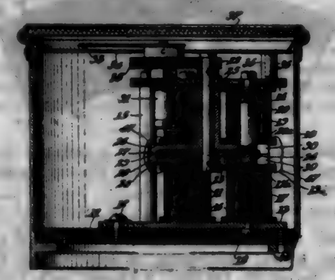
7. A drain cock comprising a casing provided with a liquid chamber having an outlet, means arranged to normally close said outlet and adapted to be acted upon by the liquid in said chamber for opening said outlet when said liquid expands during freezing, an electric heater arranged adjacent said liquid chamber, a switch controlling said heater, and operating mechanism for said switch normally held in an inoperative position and coacting with said means so as to close said switch when said outlet is open.

1,536,020. DISHWASHER. NORA LEAH KENNER, Cordell, Okla. Filed Mar. 29, 1922. Serial No. 547,093. 2 Claims. (Cl. 141—9.)



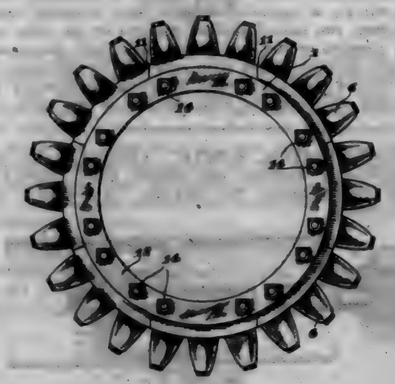
2. A dish washing apparatus having a vessel or receptacle for cleansing liquid, a rotary carrier or cage mounted in the vessel or reception for axial movement to a position above the liquid contents thereof, operating mechanism for imparting rotary motion to the carrier or cage, and lifting mechanism for raising the carrier or cage to its elevated position, the carrier having a shaft, and a sleeve having a swivel connection with the shaft, and the lifting mechanism having a lever operatively connected with said sleeve.

1,536,021. STEP-BY-STEP MOTOR. PETRUS VAN SANTEN KOLFF, Philadelphia, Pa., assignor to The Electric Tachometer Corporation, a Corporation of Delaware. Filed Mar. 11, 1922. Serial No. 543,058. 4 Claims. (Cl. 172—239.)



1. A step by step motor comprising a movable member of non-magnetic material containing magnetic elements of small extent in the direction of motion and magnetically separated from each other, a plurality of separate magnetic circuits each disposed to successively include the said magnetic elements and means for separately energizing the magnetic circuits, the number of magnetic elements being large relatively to the number of magnetic circuits and the relative position of the magnetic elements and circuits being such that when one magnetic element is included in one magnetic circuit, another magnetic element is less than the distance between adjacent elements away from another magnetic circuit.

1,536,022. COLLAPSIBLE CORE OR MANDREL. JOHN W. KUHN, Chillicothe, Ohio. Filed June 28, 1924. Serial No. 723,041. 2 Claims. (Cl. 18—45.)

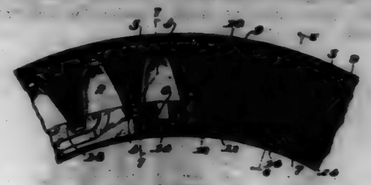


1. A collapsible core or mandrel composed of a plurality of units, each unit composed of two outer sections and an intermediate section, semi-cone-shaped protuberances extending radially from each of said outer sections, and wedge-shaped fingers extending radially from said intermediate section and adapted to engage the inner faces of said protuberances.

1,536,023. CUSHION TIRE. JOHN W. KUHN, Chillicothe, Ohio. Filed June 28, 1924. Serial No. 723,042. 4 Claims. (Cl. 152—1.)

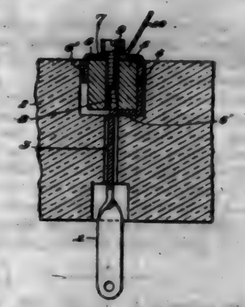
4. A cushion tire including a body portion formed with a plurality of inwardly opening pockets, an annular

member positioned between the beads of the tire and provided with dished recesses on its inner periphery in



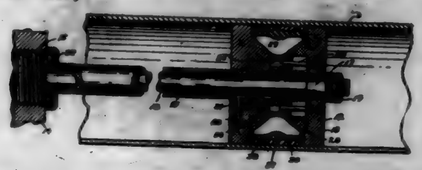
alignment with said pockets, and a plurality of shock-absorbing elements carried by said annular member and positioned in said pockets.

1,536,024. CONNECTION PIECE FOR CABLE HEADS. ALBERT KVAAL, Christiania, Norway. Filed Dec. 13, 1924. Serial No. 755,757. 2 Claims. (Cl. 173—259.)



2. A connection piece for cable heads, comprising, a metallic strip, one end of the strip having receiving means integral therewith to receive a clamping screw and nut for a continuation wire, said receiving means including, two spaced parallel portions of the strip running parallel to the axis of the strip, and two spaced parallel portions of the strip running at right angles to the axis of the strip, and a receiving aperture for the clamping screw in line with the axis of the strip.

1,536,025. PISTON SLEEVE. CHARLES LAMB and DOUGLAS E. RADFORD, Los Angeles, Calif. Filed Feb. 13, 1924. Serial No. 692,522. 3 Claims. (Cl. 74—109.)



1. In a piston sleeve, the combination of: an outer cylindrical body of pliable wear resisting rubber substance; and an inner cylindrical body of flexible fibrous material of sufficient stiffness to hold said outer pliable body in cylindrical form.

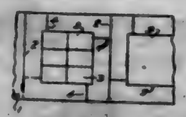
1,536,026. CAN OPENER. MARCUS D. MOORE, Waveland, Ind., assignor to Frankfort Novelty Company, Frankfort, Clinton County, Ind. Filed Feb. 5, 1923. Serial No. 617,085. 9 Claims. (Cl. 30—3.)

1. In a can opener, the combination, with a handle, and a penetrating point therefor, of a cutter blade engaging the handle and adjustable longitudinally thereof, a detent plate connected to the blade and movable relative thereto to and from a position for retaining the blade at any of its adjusted positions, means carried by the blade for shifting the detent plate to the re-



taining position, and a projection extending from the detent plate into position for being engaged by said shifting means.

1,536,027. METHOD OF MAKING SHINGLE STRIPS. CHARLES W. MORTIMER, Brooklyn, N. Y. Filed Feb. 1, 1922. Serial No. 533,227. 5 Claims. (Cl. 164—17.)

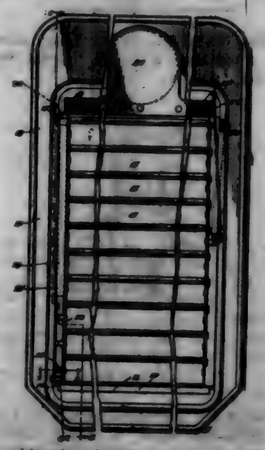


1. The process which comprises cutting a rectangle from a sheet of roofing material, cutting a rectangle from the center of said first named rectangle, and cutting the remaining portion so as to form four shingle strips, each having one end wider than the other.

1,536,028. METHOD OF MAKING STRIP SHEETS. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio. Filed Aug. 22, 1922. Serial No. 583,612. 4 Claims. (Cl. 148—12.)

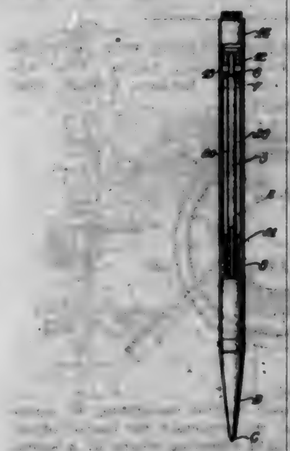
1. The method of making a strip sheet from a strip, skelp, bar or the like, which consists in rapidly reducing cold material to a strip sheet of less than half the original thickness, and then annealing the same by a continuous method.

1,536,029. SHUTTER APPARATUS FOR RADIATORS. CHRISTIAN NIELSEN, Jr., Chicago, Ill. Filed Mar. 22, 1924. Serial No. 700,987. 13 Claims. (Cl. 189—02.)



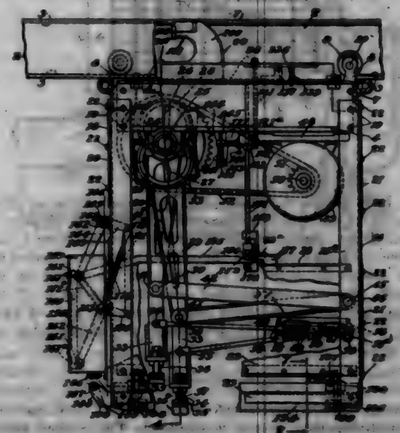
1. The combination in an apparatus of the class described, shutters, a frame therefor comprising a hollow closed dust excluding member and bearing members for said shutters supported by said dust excluding member, the bearing joints between the relatively moving bearing surfaces of said bearing members communicating with the interior of said hollow dust excluding member.

1,536,030. PENCIL. IRVING L. POMEROY, Chicago, Ill., assignor to Autopoint Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1922. Serial No. 605,567. 3 Claims. (Cl. 120—18.)



1. A pencil comprising in combination a body having an axial bore provided with a plurality of longitudinally-extending grooves which open into said axial bore, said grooves providing reserve lead chambers, a tube within the bore and containing lead propelling mechanism, said tube, when in place, serving to close off the respective reserve lead chambers, and a plate non-rotatably connected with said tube and having projections shaped to enter the said grooves to provide a bottom wall therefor and to prevent rotation of said tube.

1,536,031. MOLD-RAMMING MACHINE. RILEY L. REDPATH, Buffalo, and SHERWOOD C. BLISS, Kenmore, N. Y., assignors to American Radiator Company, New York, N. Y., a Corporation of New Jersey. Filed July 6, 1922. Serial No. 573,140. 61 Claims. (Cl. 22—41.)



4. In a mold-ramming machine, a carriage, means for reciprocating the carriage across a mold, ramming means carried by the carriage, means for driving the ramming means during travel of the carriage across the mold, and means for automatically stopping the ramming means when the latter is clear of the mold.

1,536,032. PROCESS OF FORMING LOOSE MATERIALS INTO COHERENT BODIES. ALBERT L. STILLMAN, Plainfield, N. J., assignor to The Smelters' General Briquette Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1922. Serial No. 592,165. 4 Claims. (Cl. 75—73.)

1. The herein described method which consists in mixing with loose material containing an appreciable amount of iron oxide (FeO), a corrosive acid medium that will produce Fe_2O_3 as a binder by reacting with said material, and forming the mixture into coherent bodies by rolling pressure while such reaction is going on.

1,536,033. PROCESS OF AGGLOMERATING LOOSE MATERIALS. ALBERT L. STILLMAN, Plainfield, N. J., assignor to The Smelters' General Briquette Corporation, New York, N. Y., a Corporation of New York. Filed Oct. 3, 1922. Serial No. 592,166. 6 Claims. (Cl. 75—73.)

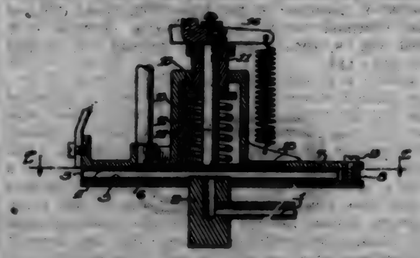
1. The herein described process of agglomerating loose material, containing an appreciable amount of FeO which consists in adding to such material an agent having both agglutinant and corrosive characteristics with respect to such material, and then compacting the mixture by pressure.

1,536,034. DRILL BIT. MARTIN E. THOMAS, Plano, Tex., assignor, by direct and mesne assignments, of three-fourths to G. G. Acree and one-fourth to H. N. Thomas, both of Plano, Tex. Filed Mar. 2, 1922. Serial No. 542,394. 1 Claim. (Cl. 255—71.)



A drill bit adapted to be attached to a tubular rod and including a stock having a continuous longitudinal bore and with the end of the stock formed with reversely bevelled faces with the juncture of the bevelled faces forming a continuous medial line transversely of the stock and transecting the bore, and cutting disks revolubly mounted respectively on the bevelled faces of the stock with their contiguous cutting edges overlapping the transverse medial line at opposite sides of the discharge of the bore.

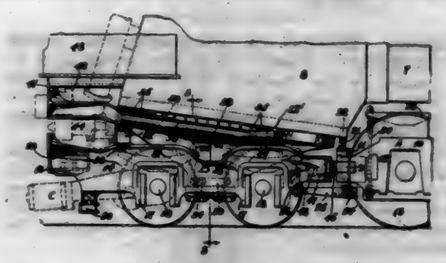
1,536,035. DIAPHRAGM-ACTUATED MECHANISM. JOHN TWARDOWSKY, Chicago, Ill. Filed Aug. 13, 1923. Serial No. 657,268. 11 Claims. (Cl. 137—156.)



1. The combination with a hollow diaphragm of the general nature of a shallow box having relatively flat heads adapted to be conveyed away from each other by fluid pressure within the diaphragm, of a support

attached to one head; and a guard supported by the other head; the guard including a pair of guard plates respectively adapted to limit the convexing of the two heads of the diaphragm, and spacing means interposed between the guard plates and free of engagement with the diaphragm.

1,536,036. LOCOMOTIVE. WILLIAM E. WOODARD, Forest Hills, N. Y. Filed July 22, 1922. Serial No. 576,788. 25 Claims. (Cl. 105—174.)



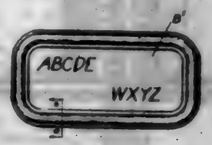
21. In a locomotive, the combination of a main frame primarily supporting the superstructure and its wheels, and a supplemental frame and its wheels, the supplemental frame being articulated to and extending rearwardly of the main frame and having its pulley members entirely outside the plane of its wheels.

1,536,037. LIGHT FOR VEHICLE CURTAINS. WILLIAM K. BISHOP, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Oct. 15, 1923. Serial No. 668,530. 16 Claims. (Cl. 296—145.)



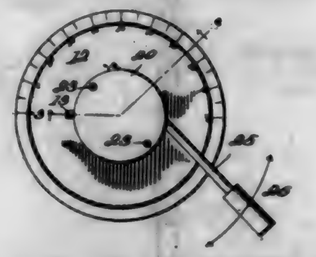
1. In a curtain light frame comprising members adapted to be nested, a male part for one of the members and a registering female part for the other member, and indented cleat means for interlocking the nested male and female parts.

1,536,038. METHOD OF UNITING COMPLEMENTARY FRAME MEMBERS. WILLIAM K. BISHOP, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Aug. 8, 1924. Serial No. 730,842. 17 Claims. (Cl. 113—116.)



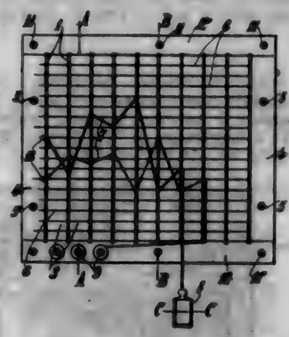
1. The method of uniting a set of co-acting endless frame members adapted to encompass an opening therethrough, of which frame one member is provided with a female part while the other member is provided with a registering male part adapted for crimping or indenting into the female part when the parts are assembled, said method consists in crimping or indenting the male part into the female part subsequent to the assembly thereof.

1,536,039. NO-CAPACITY CONTROL FOR CONDENSERS. JOHN T. BRADLEY, Tutuila, Samoa. Filed Apr. 3, 1923, Serial No. 629,737. Renewed Feb. 25, 1925. 6 Claims. (Cl. 250—41.)



1. A vernier condenser control comprising, in combination, means to move the condenser for coarse adjustment, means whereby said adjusting means by a second form of movement may control the vernier portion of the condenser.

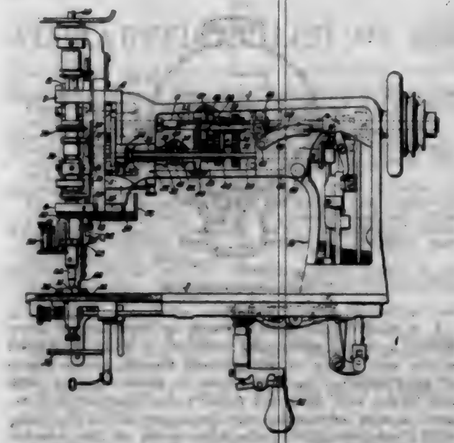
1,536,040. DEVICE FOR THE GRAPHIC REPRESENTATION OF FUNCTIONS. PAUL LOUIS MERCIER and HENRI EMILE GUINEBRETAU, Paris, France. Filed June 4, 1923. Serial No. 643,471. 5 Claims. (Cl. 33—1.)



1. In a device for the graphic representation of functions, a plane support, bars resting on the support, a plurality of combs, each interposed between two successive bars, the teeth of the combs projecting above the bars, means for securing the bars and the combs on the support, threads for passing between the teeth of the combs, means for securing the threads at one of their ends to one of the combs, and means for maintaining the threads in a stretched condition.

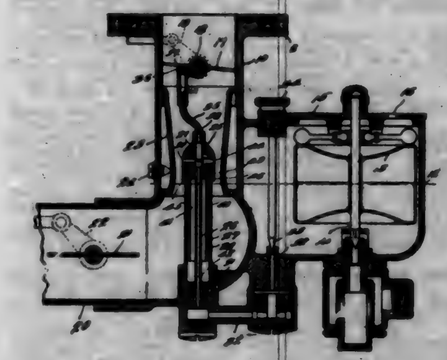
1,536,041. EMBROIDERING MACHINE. WALTER MYERS, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 24, 1923. Serial No. 627,249. 9 Claims. (Cl. 112—98.)

1. In an emboridering machine, in combination, a main-shaft, stitch-forming mechanism including a reciprocatory needle, universal feeding mechanism, mechanism for controlling the direction of feed, a covering-thread guide disposed to rotate about said needle, actuating mechanism operatively connected with said main-shaft for rotating said guide, and means independent of



the direction of feed for at will varying the relative speed of rotation of said main-shaft and said guide during the operation of the machine.

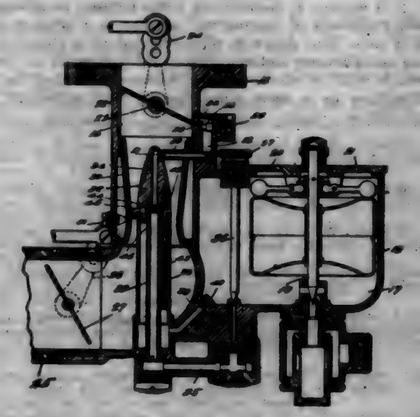
1,536,042. CARBURETOR. EARL A. BESSOM, Indianapolis, Ind., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 30, 1917. Serial No. 165,322. 4 Claims. (Cl. 261—41.)



1. A carburetor, comprising a mixing tube having an air inlet opening, a throttle controlling the flow through said mixing tube, a fuel nozzle discharging into said mixing tube between said air inlet opening and the throttle, said throttle being provided with an opening through it, a supplemental fuel nozzle which when the throttle is closed projects into and substantially fits said opening for priming and as the throttle is opened leaves said opening to provide an air passage through said opening around said supplemental nozzle, a fuel conduit supplying said first fuel nozzle, and a second conduit passing through said mixing tube and leading from said first fuel nozzle to said supplemental fuel nozzle as a branch to the outlet of said first fuel nozzle.

4. A carburetor, comprising a mixing tube having an air inlet opening, a throttle controlling the flow through said mixing tube, said mixing tube having a venturi contraction between said air inlet opening and said throttle, a fuel nozzle discharging into said mixing tube at said venturi contraction between said air inlet opening and the throttle, a fuel conduit leading to said nozzle, a valve controlling such conduit, a supplemental fuel chamber supplied through a restricted opening from said fuel conduit at a point beyond such valve as a branch to the supply of the nozzle, said supplemental chamber having a Pitot inlet which is connected to it above the liquid level therein and receives the impact of the fluid flow through said mixing tube, and a tube communicating with said supplemental fuel chamber below the normal fuel level therein and arranged to discharge fuel into said mixing tube at a point above said normal level and at said venturi contraction.

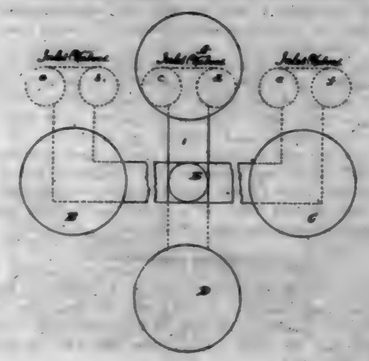
1,536,043. CARBURETOR. EARL A. BESSOM, Indianapolis, Ind., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind., a Corporation of Indiana. Filed Apr. 30, 1917. Serial No. 165,323. 12 Claims. (Cl. 261—41.)



2. In a carburetor, the combination of a mixing tube, a main fuel nozzle discharging within said mixing tube, a throttle controlling the flow through said mixing tube and located therein on the discharge side of said fuel nozzle, and a supplemental fuel passage having two separated openings communicating with said mixing tube respectively on the discharge side and on the intake side of said throttle when the latter is closed, said supplemental fuel passage being provided with means for varying the effective size of the communication from one side to the other of the closed throttle through said two openings, said second opening being arranged so that as the throttle is opened the edge of the throttle sweeps over it.

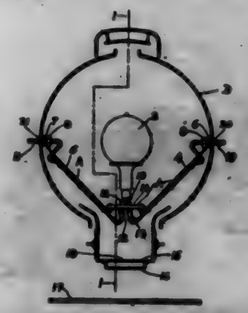
6. In a carburetor, the combination of a mixing tube including a Venturi tube, a fuel nozzle located within said Venturi tube, a well having a restricted fuel supply passage, a tube dipping into said well, said fuel nozzle being provided with a main discharge opening having a fuel supply passage leading thereto and also with an auxiliary discharge opening communicating with the upper part of said tube dipping into said well, said well being provided with an inlet opening located within said Venturi tube and opening in a direction opposite to the flow through such Venturi tube so as to receive the impact due to the velocity of such flow, and a throttle and a choke valve located in said mixing tube respectively on the discharge and on the intake sides of said fuel nozzle.

1,536,044. METHOD AND MEANS TO FACILITATE THE DISTRIBUTION OF FUEL IN INTERNAL-COMBUSTION ENGINES. JOHN W. SWAN, Cleveland, Ohio. Filed Nov. 5, 1924. Serial No. 747,991. 23 Claims. (Cl. 123—52.)

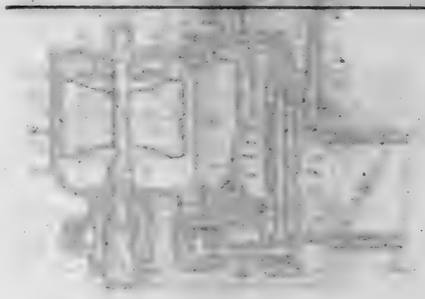


1. A method of distributing a fuel mixture to an engine which consists in moving the mixture in a straight line to a zone from which it is distributed to a plurality of engine cylinders, and modifying said movement by forces which tend to distribute the mixture uniformly in all directions in a plane transverse to said movement.

1,536,045. SEARCHLIGHT. GEORGE E. YOUNG, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 19, 1922. Serial No. 613,588. 2 Claims. (Cl. 240—41.)



1. A light projector comprising in combination a reflector, a casing about said reflector, a frame supported within said casing to swing freely therein, and a source of light mounted on said frame to move together with said frame, said light and frame being mounted with respect to said reflector so that the source of light is maintained substantially at the focal point of the reflector in every position of the frame when the frame is swung about its axis.





ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Men's and boys' clothing. 197,020; Apr. 7; Serial No. 205,047; published Jan. 13, 1925.

Ace Sheet Metal Works. (See Widman, Joseph.)

Altman, B., & Co., New York, N. Y. Clothing for women, misses, and children. 197,116; Apr. 7; Serial No. 204,691; published Jan. 13, 1925.

Aluminum Cooking Utensil Company, The, Pittsburgh, Pa. Cooking utensils made of aluminum and aluminum and aluminum alloys. 45,726; renewed Aug. 29, 1925.

American Crayon Company, The, Sandusky, Ohio. Candles. 196,992; Apr. 7; Serial No. 204,490; published Jan. 13, 1925.

Anaconda Copper Mining Company, New York, N. Y. Red-brass pipe. 197,028; Apr. 7; Serial No. 204,886; published Jan. 13, 1925.

Anderson Cotton Mills, Anderson, S. C. Sheetings and drillings. 46,079; renewed Sept. 5, 1925.

Arnold, Constable & Co., New York, N. Y. Hosiery, underwear, gloves, etc. 197,029; Apr. 7; Serial No. 204,808; published Jan. 13, 1925.

Atkins, Maurice W., New York, N. Y. Playing cards. 197,042–3; Apr. 7; Serial Nos. 205,850–1; published Jan. 20, 1925.

Auerbach & Guettel, doing business as The Palace Clothing Company, Kansas City, Mo. Men's and boys' suits. 197,093; Apr. 7; Serial No. 192,103; published Sept. 9, 1924.

B & H Drug Co., The. (See Bransky & Harris.)

Bair-Collins Co., Roundup, Mont. Coal. 197,056; Apr. 7; Serial No. 201,530; published Jan. 13, 1925.

Baker, Walter, & Company. (See Pierce, Henry L., assignor.)

Bamberger, L., & Company, Newark, N. J. Cigars. 197,063; Apr. 7; Serial No. 205,500; published Jan. 20, 1925.

Barbarino, Salvatore, Brooklyn, N. Y. Automobiles. 197,103; Apr. 7; Serial No. 205,464; published Jan. 6, 1925.

Benz & Cie. Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany. Automobiles, luggage holders, mud guards, etc. 197,085; Apr. 7; Serial No. 201,828; published Jan. 6, 1925.

Berkeley Olive Association, The, Oroville, Calif. Canned ripe olives. 197,039; Apr. 7; Serial No. 205,985; published Jan. 20, 1925.

Bingham, Marion S., Decatur, Ala. Pavement. 197,079; Apr. 7; Serial No. 205,147; published Jan. 13, 1925.

Bird, James C., doing business as Robert A. Bird & Company, Glasgow, Scotland. Lithopone. 197,012; Apr. 7; Serial No. 200,708; published Oct. 21, 1924.

Blake, Moffitt & Towne, San Francisco, Calif. Writing and printing papers. 197,132; Apr. 7.

Bloomington Canning Co., Bloomington, Ill. Canned fruits and vegetables. 45,659; renewed Aug. 29, 1925.

Bloomington Canning Co., Bloomington, Ill. Canned fruits and vegetables. 45,678; renewed Aug. 29, 1925.

Bonker, Dr., Medicine Co. (See Glowacki, Zygmunt.)

Bonwit Teller & Co., New York, N. Y. Corsets. 196,988; Apr. 7; Serial No. 204,357; published Jan. 20, 1925.

Brandewie, Lee P., Houston, Ohio. Cow-tail holders. 197,095; Apr. 7; Serial No. 188,524; published Jan. 13, 1925.

Brandon Mills, Greenville, S. C. Sheetings and drills. 46,082; renewed Sept. 5, 1925.

Bransky & Harris, doing business as The B & H Drug Co., Norfolk, Va. Insecticides. 196,996; Apr. 7; Serial No. 203,251; published Dec. 16, 1924.

Breithaupt, Herman A., Des Moines, Iowa. Salad dressing and sandwich spread. 196,976; Apr. 7; Serial No. 201,534; published Jan. 20, 1925.

Bridgeport Hardware Mfg. Corp., The, Bridgeport, Conn. Screw drivers, wrenches, pliers, etc. 197,009; Apr. 7; Serial No. 198,340; published Jan. 13, 1925.

Buckingham & Hecht, San Francisco, Calif. Leather shoes. 197,016; Apr. 7; Serial No. 206,158; published Jan. 13, 1925.

Bullock's, Los Angeles, Calif. Shoes, hats, coats, suits, dresses, etc. 196,993; Aug. 7; Serial No. 204,495; published Jan. 6, 1925.

Burden, James H., assignor to M. C. Burden, Oak Park, Calif. Pepper. 45,883; renewed Aug. 29, 1925.

Calico Printers' Association, Limited, The, Manchester, England. Cotton piece goods. 197,014; Apr. 7; Serial No. 206,109; published Jan. 13, 1925.

Cambridge Tire and Rubber Co. (See Hefter, Edward G.)

Carran, William A., doing business as Valley Oil Company, Cleveland, Ohio. Automobile, tractor, truck, and marine and gas engine oils. 197,038; Apr. 7; Serial No. 204,583; published Jan. 13, 1925.

Celluloid Company, The, Newark, N. J., and New York, N. Y. Dice and game. 197,041; Apr. 7; Serial No. 205,855; published Jan. 20, 1925.

Chanslor & Lyon Company, San Francisco, Calif. Tires, casings, and tubes. 197,112; Apr. 7; Serial No. 196,904; published Jan. 13, 1925.

Chappell, William R., New York, N. Y. Netted caps. 197,025; Apr. 7; Serial No. 204,893; published Jan. 13, 1925.

Chatfield Manufacturing Company, The, Cincinnati, Ohio. Shingles and roofing material. 196,980; Apr. 7; Serial No. 202,003; published Dec. 23, 1924.

Chemical Paper Co., assignor to Chemical Paper Manufacturing Company, Holyoke, Mass. Writing paper. 44,750; renewed July 25, 1925.

Chic Manufacturing Co., Peoria, Ill. Cloth aprons. 197,001; Apr. 7; Serial No. 190,630; published Jan. 13, 1925.

Cleveland Chain & Mfg. Co., The, Cleveland, Ohio. Electric-welded trace chains. 197,034; Apr. 7; Serial No. 204,758; published Jan. 13, 1925.

Cluett & Sons, Troy, Albany, Gloversville, Schenectady, Plattsburg, Glens Falls, and Saratoga, N. Y.; North Adams, Mass.; and Bennington, Vt. Pianos. 44,722–4; renewed July 18, 1925.

Cohen, Morris P., doing business as M. P. Cohen Co., New York, N. Y. Neckties. 197,037; Apr. 7; Serial No. 204,585; published Jan. 13, 1925.

Cole, J. W., & Co., Black River Falls, Wis. Salves, soft salves, ointments, or unguents. 45,472; renewed Aug. 22, 1925.

Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y. Grass seed. 46,088–90; renewed Sept. 5, 1925.

Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y. Grass seed. 46,092; renewed Sept. 5, 1925.

Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y. Seed corn. 46,094; renewed Sept. 5, 1925.

Conklin, Horace E., doing business as E. W. Conklin & Son, Binghamton, N. Y. Grass seed. 46,180; renewed Sept. 5, 1925.

Co-Operative Enterprise Glass Company, North Vernon, Ind. Glass lamp chimneys. 197,027; Apr. 7; Serial No. 204,853; published Jan. 20, 1925.

Cordo-Hyde Company, Brockton, Mass. Garters, belts, suspenders, garment and sleeve supporters, shoe straps. 197,023; Apr. 7; Serial No. 204,953; published Jan. 20, 1925.

Cottone Bros., New York, N. Y. Olive oil. 197,058; Apr. 7; Serial No. 205,894; published Jan. 20, 1925.

Cream-O-Pop Co. (See Metaxas, George.)

Cunningham, Wayne, Box & Crate Co., Savannah, Ga. Dog house. 197,076; Apr. 7; Serial No. 205,890; published Jan. 13, 1925.

D. C. E. Sales Company, Wilmington, Del. Gasoline. 196,999; Apr. 7; Serial No. 185,896; published Jan. 13, 1925.

De Prieto, Emelia B., Laredo, Tex. Medicinal tonic. 197,068; Apr. 7; Serial No. 205,087; published Jan. 20, 1925.

Dickel, Geo. A., & Co., Nashville, Tenn. Whisky. 44,513; renewed July 11, 1925.

Doherty, George D., Minneapolis, Minn. Humidifying apparatus and ventilating apparatus. 197,075; Apr. 7; Serial No. 205,745; published Jan. 20, 1925.

Duckworth, William, doing business as Duckworth & Co., Manchester, England. Preparation used in making beverages and aerated drinks. 26,706; renewed June 18, 1925.

Eckerling Brothers, Chicago, Ill. Overalls and overall jackets. 197,062; Apr. 7; Serial No. 205,324; published Jan. 6, 1925.

Elliott, W. J., Co., Inc., New York, N. Y. Gas and oil stoves. 197,126; Apr. 7.

Empire State Wine Co., Penn Yan, N. Y. Wine. 45,545; renewed Aug. 22, 1925.

Everbrite Stove Company, Kansas City, Mo. Oil heaters. 197,019; Apr. 7; Serial No. 205,054; published Jan. 6, 1925.

Federal Varnish Company, Chicago, Ill. Liquid paint product. 197,119; Apr. 7.

Finkelbor-Slesinger Company, Pittsburgh, Pa. Suits, overcoats, and trousers. 197,011; Apr. 7; Serial No. 200,103; published Feb. 3, 1925.

Fishwick, Albert B., Cincinnati, Ohio. Onion bags. 196,991; Apr. 7; Serial No. 204,445; published Jan. 20, 1925.

Fitzgerald Manufacturing Company, The, Torrington, Conn. Sheet-metal and asbestos gaskets. 196,996; Apr. 7; Serial No. 174,730; published June 5, 1923.

Flock Brewing Company, Williamsport, Pa. Beer. 45,802; renewed Aug. 29, 1925.

Fort Scott Hydraulic Cement Co., Fort Scott, Kans. Hydraulic cement. 197,110; Apr. 7; Serial No. 202,290; published Jan. 20, 1925.

Franklin Oil & Gas Company, The, Bedford, Ohio. Oil. 197,033; Apr. 7; Serial No. 204,765; published Jan. 13, 1925.

Gifford, C. M., & Sons, San Diego, Calif. Pickled olives. 197,100; Apr. 7.

Glendale Engineering Co. Glendale, Calif. Automobile brakes. 197,081; Apr. 7; Serial No. 204,452; published Jan. 13, 1925.

Glowacki, Zygmunt, doing business as Dr. Bonker Medicine Co., Chicago, Ill. Pills. 197,128; Apr. 7.

Goldberger, Norman S. (See Koehler, H., & Co.)

Goodrich, B. F., Company, The, New York, N. Y. Boots. 197,090; Apr. 7; Serial No. 196,817; published Jan. 6, 1925.

Gotham Silk Hosiery Company, Inc., New York, N. Y. Hosiery. 197,024; Apr. 7; Serial No. 204,903; published Jan. 13, 1925.

Graham, James, Manufacturing Co., San Francisco, Calif. Wood, coal, and gas stoves and ranges. 197,092; Apr. 7; Serial No. 194,861; published Jan. 20, 1925.

Great Eastern Mfg. Co. Inc., The, Reading Pa. Women's dresses, lingerie, etc. 197,036; Apr. 7; Serial No. 204,607; published Dec. 23, 1924.

Guilfoy Cornice Works, San Francisco, Calif. Siphon ventilators and skylights. 197,088; Apr. 7; Serial No. 201,193; published Jan. 13, 1925.

Guiden, Charles, Inc., New York, N. Y. Mustard and salad dressing. 196,989; Apr. 7; Serial No. 204,363; published Jan. 20, 1925.

Gutta Percha & Rubber Manufacturing Company, The, New York, N. Y. Belting. 197,074; Apr. 7; Serial No. 205,752; published Jan. 13, 1925.

Gyllenhammar, Oscar L., Gottenborg, Sweden. Groats of oats and other preparations made of oats. 197,094; Apr. 7; Serial No. 190,413; published Dec. 3, 1924.

Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, artificial silk, wool, etc. 197,052; Apr. 7; Serial No. 205,528; published Jan. 20, 1925.

Hahn & Company, Newark, N. J. Boys' suits, coats, trousers, and vests. 197,049; Apr. 7; Serial No. 205,598; Published Jan. 13, 1925.

Hanthaway, C. L., & Sons, Incorporated, Boston, Mass. Dressing for the uppers of boots and shoes. 45,271; renewed Aug. 8, 1925.

Hazard-Blue Grass Coal Corporation, Bristol, Va., and Hazard, Ky. Coal. 197,060; Apr. 7; Serial No. 204,964; published Jan. 20, 1925.

Hecht Co., The, doing business as The Hub, Washington, D. C., and Baltimore, Md. Hosiery. 197,069; Apr. 7. Serial No. 205,065; published Jan. 13, 1925.

Hefter, Edward G., doing business as Cambridge Tire and Rubber Co., St. Louis, Mo. Inner tubes, tube-repair kits, and blow-out patches. 197,124; Apr. 7.

Herpicide Co., The, assignor to The Herpicide Company, Detroit, Mich. Remedy for diseases of the hair and scalp. 45,474; renewed Aug. 22, 1925.

Herpicide Company, The, assignor to The Herpicide Company, Detroit, Mich. Remedy for diseases of the hair and scalp. 44,944; renewed Aug. 1, 1925.

Heurich, Chr., Brewing Co., Washington, D. C. Beer. 45,797; renewed Aug. 29, 1925.

Hill, A. E., Manufacturing Company, Atlanta, Ga. Nuts and screws for radio sets. 196,984; Apr. 7; Serial No. 203,520; published Jan. 13, 1925.

Hill, A. E., Mfg. Co., Atlanta, Ga. Metallic automobile headlight reflectors. 197,007; Apr. 7; Serial No. 196,301; published Jan. 6, 1925.

Hilpert, Meier G., Bethlehem, Pa. Auxiliary toilet seats. 197,032; Apr. 7; Serial No. 204,770; published Jan. 13, 1925.

Holland Shoe Company, Holland, Mich. Shoes. 197,057; Apr. 7; Serial No. 205,414; published Jan. 13, 1925.

Hood Coal Company, Inc., Seneca Falls, N. Y. Coal. 197,077; Apr. 7; Serial No. 205,480; published Jan. 13, 1925.

Horney, Edward L., Chillicothe, Ohio. Writing pens. 45,397; renewed Aug. 15, 1925.

Hub, The. (See Hecht Co., The.)

Jackson, Henry, doing business as H. Jackson & Company, Belfast, Ireland. Cloths, napkins, towels, and sheets. 197,114; Apr. 7; Serial No. 183,154; published Aug. 5, 1924.

Jadwin, Orlando H., assignor to O. H. Jadwin Sons, Inc., New York, N. Y. Preparations for the destruction and extermination of water or Croton bugs, roaches, etc. 45,174; renewed Aug. 8, 1925.

Kampfe Bros., New York, assignors to Star Safety Razor Corporation, Brooklyn, N. Y. Safety razors. 26,980; renewed Aug. 20, 1925.

Koehler, H., & Co.; Norman S. Goldberger, New York, N. Y., successor. Lager beer. 45,805; renewed Aug. 29, 1925.

Königliche Porsellan Manufactur, assignor to Staatliche Porsellan-Manufaktur Meissen, Meissen and Dresden, Germany. Porcelain and porcelain goods. 26,480-8; renewed Apr. 30, 1925.

Kops Bros. Inc., New York, N. Y. Corsets, brassières, and girdles. 197,010; Apr. 7; Serial No. 198,576; published Aug. 26, 1924.

Leek, John A., East Orange, N. J. Dresses and aprons. 197,054; Apr. 7; Serial No. 205,486; published Jan. 6, 1925.

Leffel, James, & Company, The, Springfield, Ohio. Water wheels. 45,329; renewed Aug. 15, 1925.

Levi, Bert, & Co. Inc., New York, N. Y. Textile fabric made of silk and cotton. 196,979; Apr. 7; Serial No. 201,966; published Nov. 25, 1924.

Lipson & Adelson, New York, N. Y. Ladies' and misses' sport frocks. 197,048; Apr. 7; Serial No. 205,608; published Jan. 13, 1925.

Lyon Knitting Mills, Herndon, Pa. Infants' hosiery. 197,061; Apr. 7; Serial No. 205,340; published Jan. 6, 1925.

Macallen, W. T. C., Co., assignor to The Macallen Co., Boston, Mass. Insulators. 44,477; renewed July 4, 1925.

Maclin-Zimmer-McGill Tobacco Co. Incorporated, Petersburg, Va. Smoking and chewing tobacco and snuff. 197,067; Apr. 7; Serial No. 205,168; published Jan. 20, 1925.

Macy, R. H., & Co., Inc., New York, N. Y. Dresses. 197,005; Apr. 7; Serial No. 194,555; published May 20, 1924.

Maidwell Hosiery Co. Inc., Riverside, N. J. Hosiery. 197,060; Apr. 7; Serial No. 205,341; published Jan. 13, 1925.

Marshall, W. A., & Company, Incorporated, New York, N. Y. Coal. 197,071; Apr. 7; Serial No. 206,250; published Jan. 13, 1925.

Martin Gillet & Co.; Martin Gillet and Company, Inc., Baltimore, Md., successor. Tea. 45,115-17; renewed Aug. 8, 1925.

McCormick & Company, assignor to McCormick & Co. Incorporated, Baltimore, Md. Spices and mustards. 46,088; renewed Sept. 5, 1925.

McCreery, James, & Company, New York, N. Y. Hosiery. 197,018; Apr. 7; Serial No. 206,017; published Jan. 13, 1925.

McCreery, James, & Company, New York, N. Y. Hosiery. 197,089; Apr. 7; Serial No. 205,344; published Jan. 6, 1925.

Metalene Chemical Company, The, Cleveland, Ohio. Base oils. 197,031; Apr. 7; Serial No. 204,777; published Jan. 13, 1925.

Metaxas, George, doing business as Cream-O-Pop Co., assignor to Cream-O-Pop Company, Jonesboro, Ark. Frozen confections. 197,030; Apr. 7; Serial No. 204,778; published Jan. 20, 1925.

Millar, E. B., & Co., Chicago, Ill. Colored Japan tea. 45,541; renewed Aug. 22, 1925.

Minnesota Co-Operative Creameries Association, Inc., St. Paul and Minneapolis, Minn. Butter, dressed poultry, cheese, and eggs. 197,022; Apr. 7; Serial No. 205,020; published Jan. 20, 1925.

Model Brassiere Co. Inc., New York, N. Y. Brassières. 197,013; Apr. 7; Serial No. 206,628; published Jan. 20, 1925.

Model Brassiere Co. Inc., New York, N. Y. Water and air resisting fabric for brassières, etc. 197,087; Apr. 7; Serial No. 201,365; published Jan. 20, 1925.

Moody, Patricia M., St. Louis, Mo. Children's dresses. 197,117; Apr. 7.

Musher, Albert, doing business as Musher and Company, Washington, D. C. Alimentary pastes. 197,063; Apr. 7; Serial No. 205,287; published Jan. 20, 1925.

Musher, Albert, doing business as Musher and Company, Washington, D. C. Macaroni. 197,064; Apr. 7; Serial No. 205,284; published Jan. 20, 1925.

Myrurgia, S. A., Barcelona, Spain. Massage cream, perfumery essences, etc. 196,997; Apr. 7; Serial No. 184,091; published Jan. 20, 1925.

Nathan Manufacturing Co., New York, N. Y. Locomotive sight-feed lubricators. 45,896; renewed Aug. 29, 1925.

National Shirt Shops, Inc., New York, N. Y. Men's shirts, pyjamas, underwear, collars, neckties, and mufflers. 197,003; Apr. 7; Serial No. 191,501; published Apr. 8, 1924.

Niagara Metal Weather Strip Co., Buffalo, N. Y. Weather strips. 197,118; Apr. 7.

Noe-Equi Hosiery Mills, Inc., Reading, Pa. Hosiery and lingerie. 196,982; Apr. 7; Serial No. 202,891; published Jan. 6, 1925.

North Country Looms. (See Patrick, F. A., & Co.)

Ocean Leather Company, Inc., The, Wilmington, Del., and Newark, N. J. Tanned leather. 197,072; Apr. 7; Serial No. 206,184; published Jan. 13, 1925.

Ogus, Rabinovich and Ogus, Inc., New York, N. Y. Trimmed hats. 196,977; Apr. 7; Serial No. 201,676; published Jan. 13, 1925.

Overman Cushion Tire Company, Inc., New York, N. Y. Rubber tires. 197,105-7; Apr. 7; Serial Nos. 205,250-2; published Jan. 6, 1925.

Owl Drug Company, The, San Francisco, Calif. Gasoline and benzine. 196,974; Apr. 7; Serial No. 201,099; published Jan. 13, 1925.

Palace Clothing Company, The. (See Auerbach & Guetel.)

Parks & Bohne, Inc., St. Louis, Mo. Automobile transmission bands. 197,104; Apr. 7; Serial No. 205,435; published Jan. 6, 1925.

Patrick, F. A., & Co., doing business as North Country Looms, Duluth, Minn. Woolen cloth in the piece. 197,046; Apr. 7; Serial No. 205,663; published Jan. 20, 1925.

Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Caustic lye or caustic soda. 45,042; renewed Aug. 1, 1925.

Phillips, Edward A., and Company, Philadelphia, Pa. Bathing suits. 197,021; Apr. 7; Serial No. 205,029; published Jan. 6, 1925.

Pierce, Henry L., assignor to Walter Baker & Company, Ltd., Boston, Mass. Chocolate, cocoa, and preparations thereof. 27,056-7; renewed Sept. 10, 1925.

Pioneer Paper Company, Los Angeles, Calif. Composition roofing. 197,122-3; Apr. 7.

Placquo Art Company, The, Coffeyville, Kans. Art clay. 197,083; Apr. 7; Serial No. 204,191; published Jan. 13, 1925.

Pohs, Harry L., doing business as The Pohs Company, Brooklyn, N. Y. Optical frames. 197,131; Apr. 7.

Post, Ezra L., assignor to E. L. Post & Co. Inc., New York, N. Y. Waterproofing, staining, and polishing oils. 46,141; renewed Sept. 5, 1925.

Premier Warm Air Heater Company, Dowagiac, Mich. Coal stoves and furnaces. 197,052; Apr. 7; Serial No. 204,194; published Jan. 13, 1925.

Pure Gold Tobacco Company, The. (See Threefoot Bros. & Co., assignor.)

Pyle, Estella S., New Castle, Pa. Preparation for the treatment of stomach disorders. 197,120; Apr. 7.

Raeburn Corporation, The, Chicago, Ill. Toothbrushes. 197,066; Apr. 7; Serial No. 205,227; published Jan. 20, 1925.

Rains, Solomon E., doing business as S. E. Rains Company, New York, N. Y. Kerchiefs and handkerchiefs. 197,045; Apr. 7; Serial No. 205,710; published Jan. 20, 1925.

Ralston Purina Company, St. Louis, Mo. Animal feed containers and watering fountains for animals. 197,097; Apr. 7; Serial No. 175,191; published Jan. 13, 1925.

Rambler Motor Camp Products Co., New York, N. Y. Motor camp outfit. 197,091; Apr. 7; Serial No. 195,017; published Jan. 13, 1925.

Red Devil Company, The. (See Swift, George L.)

Reliance Manufacturing Company, Chicago, Ill. Men's and boys' work shirts. 196,990; Apr. 7; Serial No. 204,373; published Jan. 13, 1925.

Rich, Aaron, New York, N. Y. Petticoats, slips, bloomers, and pantalettes. 196,985; Apr. 7; Serial No. 203,691; published Jan. 13, 1925.

Robinson Packer Company, Tulsa, Okla. Packers, limit plugs, tubing swabs, etc. 197,002; Apr. 7; Serial No. 190,938; published Dec. 30, 1924.

Roddenbery Brothers, Cairo, Ga. Table syrup. 197,035; Apr. 7; Serial No. 204,680; published Jan. 20, 1925.

Rogers-Elkhorn Coal Company, Virgie, Ky. Coal. 197,008; Apr. 7; Serial No. 196,076; published Oct. 14, 1924.

Rolls-Royce of America, Inc., Springfield, Mass. Automobiles and chassis. 197,089; Apr. 7; Serial No. 197,294; published Jan. 13, 1925.

Rosen & Company, Hasleton, Pa. Coal stoves. 197,028; Apr. 7; Serial No. 204,836; published Jan. 6, 1925.

Saenger Drug Company, Inc., Shreveport, La. Preparation for treatment of disorders and disturbed conditions of the female organs. 197,101; Apr. 7; Serial No. 190,499; published Nov. 6, 1923.

Salant & Salant, Inc., New York, N. Y. Work shirts. 197,017; Apr. 7; Serial No. 206,080; published Jan. 13, 1925.

Samson Tire & Rubber Corporation, Compton, Calif. Rubber tires. 197,113; Apr. 7; Serial No. 188,985; published Jan. 13, 1925.

Sandusky Portland Cement Company, Sandusky, assignor to The Sandusky Cement Company, Cleveland, Ohio. Portland cement. 44,987; renewed Aug. 1, 1925.

Sexton, John, and Company, Chicago, Ill. Crushed fruits, fruit sirups, flavoring extracts, colors, etc. 196,996; Apr. 7; Serial No. 163,112; published July 11, 1922.

Sherwood Bros. Inc., Baltimore, Md. Lubricating oils and greases. 197,004; Apr. 7; Serial No. 192,043; published Sept. 9, 1924.

Smith, E. T., Company, Worcester, Mass. Blended coffee containing Java and Mocha. 45,542; renewed Aug. 22, 1925.

Smith, Martin H., Co., New York, N. Y. Remedies for diseases peculiar to women. 45,787; renewed Aug. 29, 1925.

Southport Chemical Company, Inc., New York, N. Y. Suppositories. 197,125; Apr. 7.

Staatliche Porsellan-Manufaktur Meissen. (See Königliche Porsellan Manufactur, assignors.)

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 197,047; Apr. 7; Serial No. 205,615; published Jan. 20, 1925.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 197,065; Apr. 7; Serial No. 205,237; published Jan. 13, 1925.

Standard Steam Corporation, St. Louis, Mo. Domestic oil burners. 196,986; Apr. 7; Serial No. 203,910; published Jan. 6, 1925.

Stanley Manufacturing Company, The, Dayton, Ohio. Metal labels and name plates. 196,987; Apr. 7; Serial No. 204,205; published Jan. 13, 1925.

Star Safety Razor Corporation. (See Kampfe Bros., assignors.)

Steffen, John L., Columbus, Ohio. Street and road signs. 197,099; Apr. 7; Serial No. 159,913; published Jan. 13, 1925.

Stein-Bloch Co., The, Rochester, N. Y. Men's overcoats and sack coats. 197,050; Apr. 7; Serial No. 205,567; published Jan. 6, 1925.

Stein-Bloch Co., The, Rochester, N. Y. Men's overcoats and sack coats. 197,051; Apr. 7; Serial No. 205,565; published Jan. 6, 1925.

Stein Fur Dyeing Co., Inc., New York, N. Y. Bleached, dyed, bleached and dyed, and partially-finished animal fur skins. 197,109; Apr. 7; Serial No. 203,911; published Jan. 13, 1925.

Stern, L. & C., New York, N. Y. Dresses. 197,015; Apr. 7; Serial No. 206,040; published Jan. 13, 1925.

Stiles, James A., New York, N. Y. Ice. 197,111; Apr. 7; Serial No. 202,763; published Jan. 13, 1925.

Stites, Burton C., Worcester, Mass. Felt shoes and slippers. 197,000; Apr. 7; Serial No. 189,019; published Jan. 13, 1925.

Structural Gypsum Corporation, New York, N. Y. Gypsum precast slabs. 197,098; Apr. 7; Serial No. 168,384; published Jan. 13, 1925.

Sunburst Refining Company, Great Falls, Mont. Gasoline. 197,040; Apr. 7; Serial No. 205,984; published Jan. 13, 1925.

Sweet, E. A., Company, Inc., Binghamton, N. Y. Sides, bends, backs, pieces, etc., of leather. 197,078; Apr. 7; Serial No. 205,376; published Jan. 20, 1925.

Swift, George L., doing business as The Red Devil Company, Chicago, Ill. Oils and greases. 196,994; Apr. 7; Serial No. 186,859; published Jan. 13, 1925.

Thorer, Theodor, Leipsig, Germany. Raw, manufactured, and partly-manufactured furs, skins, and pelts. 197,084; Apr. 7; Serial No. 202,904; published Jan. 13, 1925.

Threefoot Bros. & Co., Meridian, Miss., assignor to The Pure Gold Tobacco Company, Greeneville, Tenn. Bag granulated smoking tobacco. 26,896; renewed Aug. 6, 1925.

Todd-Witte Dry Goods Co. Inc., Birmingham, Ala. Overalls, jumpers, unionalls, and work shirts. 197,056; Apr. 7; Serial No. 205,454; published Jan. 6, 1925.

Toole, Dan P., Company, Saginaw, Mich. Ladies' dresses and blouses. 197,002; Apr. 7; Serial No. 197,306; published Jan. 6, 1925.

Trautman, C., & Company, Cincinnati, Ohio. Leather. 197,115; Apr. 7; Serial No. 186,301; published July 22, 1924.

Tubular Rivet & Stud Company, Boston, Mass. Rivets, tubular, solid, and pronged. 45,490; renewed Aug. 22, 1925.

U. S. Manufacturing Corporation, Decatur, Ill. Fly swatters. 196,983; Apr. 7; Serial No. 203,352; published Jan. 6, 1925.

Universal Draft Gear Attachment Co., Chicago, Ill. Spring and friction draft gears, draft arms, hand brakes, etc. 197,106; Apr. 7; Serial No. 204,427; published Jan. 6, 1925.

Utility Tire and Rubber Company, The, Akron, Ohio. Resilient vehicle tires and inner tubes. 197,073; Apr. 7; Serial No. 205,843; published Jan. 13, 1925.

Valley Oil Company. (See Carran, William A.)

Versailles Overall Co., The, Versailles, Ohio. Overalls and work coats. 197,044; Apr. 7; Serial No. 205,718; published Jan. 13, 1925.

Waldorf Paper Products Company, St. Paul, Minn. Insulating and plaster-supporting board. 197,102; Apr. 7; Serial No. 205,620; published Jan. 13, 1925.

Ward, George S., New York, N. Y. Fudge warmers. 197,096; Apr. 7; Serial No. 182,888; published Jan. 20, 1925.

Wathen, R. E., & Company, Louisville, Ky. Whisky. 197,129; Apr. 7.

Weideman Company, Inc., The, Cleveland, Ohio. Canned fruits and vegetables, coffee, pickles, etc. 196,978; Apr. 7; Serial No. 201,868; published Jan. 20, 1925.

Weidman, Ward & Co., Inc., Albany, N. Y. Canned goods, coffee, evaporated milk, etc. 196,981; Apr. 7; Serial No. 202,587; published Jan. 20, 1925.

Weinerth Knitting & Machine Co., Inc., Reading, Pa. Ladies' hosiery. 197,121; Apr. 7.

West Disinfecting Company, New York, N. Y. Disinfectants. 45,143; renewed Aug. 8, 1925.

Westchester Macaroni Co. Inc., Mount Vernon, N. Y. Olive oil. 197,070; Apr. 7; Serial No. 205,186; published Jan. 20, 1925.

Widdicomb Furniture Company, The, Grand Rapids, Mich. Certain named furniture. 45,751; renewed Aug. 29, 1925.

Widman, Joseph, doing business as Ace Sheet Metal Works, Los Angeles, Calif. Eaves troughs, gutters, etc. 197,055; Apr. 7; Serial No. 205,459; published Jan. 6, 1925.

Wilkerson, W. N., & Sons, Memphis, Tenn. Chill tonic, injection, liver pills, etc. 197,130; Apr. 7.
Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machines and attachments and parts. 44,722; renewed July 18, 1925.
Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing-machine parts and attachments. 44,962; renewed Aug. 1, 1925.
Willcox & Gibbs Sewing Machine Co., New York, N. Y. Seams, hems, welts, and overedging. 45,773; renewed Aug. 29, 1925.
Willcox & Gibbs Sewing Machine Company, New York, N. Y. Sewing machines. 45,835; renewed Aug. 29, 1925.
Winsor & Newton, Inc., New York, N. Y. Boxes for artists' materials. 197,127; Apr. 7.
Wurtzer, Carrie S., Baltimore, Md. Fluid for training the hair in natural waves. 45,481; renewed Aug. 22, 1925.
Wyatt, C. S., Wichita Falls, Tex. Canned food products. 196,975; Apr. 7; Serial No. 201,477; published Jan. 20, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Angonoa, A., Inc., New York, N. Y. Italian Bread Sticks. For Bread Sticks. 28,503; Apr. 7.
Arnold, F. R., & Co., New York, N. Y. Fracy Londres-Paris. For Face Powder. 28,504; Apr. 7.
Arnold, F. R., & Co., New York, N. Y. If you wish me to love you you must first face powder. For Face Powder. 28,505; Apr. 7.
Deckard, L. E., doing business as L. E. Deckard & Co., Covington, Ky. Log Cabin. For Canned Soup. 28,506; Apr. 7.
Eagle Packing Co., The, Los Angeles, Calif. Eagle. For Lettuce. 28,507; Apr. 7.
Electric Glass Cleaner Co., Sandusky, Ohio. Electric Glass Cleaner. For a Liquid Cleaning Compound. 28,508; Apr. 7.
Faery Foam Products Company, Brooklyn, N. Y. Faery Foam. For Toilet Preparations. 28,509; Apr. 7.
Fussy Rolls Co. (See Skutch, Joseph.)
Golden Bros., Los Angeles, Calif. Golden Glow. For Ladies', Misses', and Children's Hats. 28,510; Apr. 7.
Heller, B., & Company, Chicago, Ill. Tru-White. For Washing Powder. 28,511; Apr. 7.
Herpicide Company, The, Detroit, Mich. Newbro's Qui-9 Hair Tonic. For Medicinal Preparation. 28,512; Apr. 7.
Hirschler & Wood, San Jose, Calif. Cross-Word Puzzle Bar. For 5¢ Candy Bar. 28,513; Apr. 7.
Independent Fruit Growers, Inc., New York, N. Y. Golden Groves. For Oranges. 28,514; Apr. 7.
Interlake Tissue Mills Co., Limited, Merritton and Toronto, Ontario, Canada. Interlake. For Toilet Paper. 28,515; Apr. 7.
L'Abbe, Julia A., doing business as The L'Abbe Company, Salem, Mass. L'Abbe's Auto and Furniture Polish. For Auto and Furniture Polish. 28,516; Apr. 7.
McGuigan, Peter & Sons, Red Lion, Pa. O-Henry. For Cigars. 28,517. Apr. 7.
McQuay-Norris Mfg. Co., St. Louis, Mo. McQuay-Norris Motor Bearings. For Motor Bearings. 28,518; Apr. 7.
Merchie, Frank, Moline, Ill. E-Z Paint Cleaner. For Soluble Cleaning Powder. 28,519; Apr. 7.
National Carbon Company, Inc., New York, N. Y. National Orotip Negative Projector Carbons. For Electric-Light Carbons. 28,520; Apr. 7.
New Jersey Paint Works, Harry Louderbough, Inc., Jersey City, N. J. New Jersey Copper Paint. For Paint. 28,521; Apr. 7.
Northam Trading Corporation, New York, N. Y. 1-4-1. For Matches. 28,522; Apr. 7.
Northam Trading Corporation, New York, N. Y. Checkers. For Matches. 28,523; Apr. 7.
Northam Trading Corporation, New York, N. Y. 20th Century. For Matches. 28,524; Apr. 7.
Old, John B., South Mills, N. C. Johney's Cof-E-Zy. For Medicine. 28,525; Apr. 7.
Parker, Eugene, doing business as Parker Drug Co., Baltimore, Md. Parker's Hair Dressing. For Compound for Treating the Hair. 28,526; Apr. 7.
Pioneer Paper Company, Los Angeles, Calif. Storm King. For Plastic Cement. 28,527; Apr. 7.
Propp, M., Company, The, New York, N. Y. Propp Electrical Outfit. For Electrical Christmas-Tree Outfits and Reflectors. 28,528; Apr. 7.
Rosenheim, Henry, Brooklyn, N. Y. Blue Ribbon Brand. For Vanilla. 28,529; Apr. 7.
Susse, A. H., Pueblo, Colo. King Davids Food. For King Davids Food. 28,530; Apr. 7.
Schechtman, Herman, Chicago, Ill. Grey Bear. For Cigars. 28,531; Apr. 7.
Schoenhut, A., Company, The, Philadelphia, Pa. 'Sing Mother! I'll Play'. For Toy Pianos. 28,532; Apr. 7.
Scott-Mayer Commission Co., Little Rock, Ark. Home Plate. For Canned Tomatoes. 28,533. Apr. 7.
Silberstein, Joseph, New York, N. Y. Perfecto Brand Gentlemen's Fine Handkerchiefs. For Handkerchiefs. 28,534; Apr. 7.
Skutch, Joseph, doing business as Fussy Rolls Co., Brooklyn, N. Y. Fussy Rolls. For Candy. 28,535; Apr. 7.
Southern Beverage Company, Galveston, Tex. Triple XXX. For Root-Beer Sirup. 28,536; Apr. 7.
Swift, N. O., Cigar Co., Hellam, Pa. National Sportsman. For Cigars. 28,537; Apr. 7.
Tennessee Tissue Mills, Nashville, Tenn. Purple Crest. For Toilet Paper. 28,538; Apr. 7.
Zinnmaster Bread Company, Duluth, Minn. Swedish Rye Bread. For Bread. 28,539; Apr. 7.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Chicle Company, Long Island City, N. Y. Tutti-Frutti. For Chewing Gum. 7,889; Apr. 7.
B. V. D. Company, Inc., The, New York, N. Y. Next to myself I like 'B. V. D.' best. For Athletic Underwear. 7,890; Apr. 7.
Bayuk Cigars Incorporated, Philadelphia, Pa. Havana Ribbon (Indian). For Havana Ribbon Cigars. 7,891; Apr. 7.
Century Wood Preserving Company, Pittsburgh, Pa. Century Preserved Wood Cross Ties and Timber. For Wood, Crossties, and Timber Which Have Been Treated with a Preservative. 7,892; Apr. 7.
Hilton, Gerald G., Seattle, Wash. (Latin) Ars Sapientia Dispensation—(English) Art Wisdom Economy. For Automobiles. 7,893; Apr. 7.
Jello-O Company, Inc., The, Le Roy, N. Y. Jell-O for Salads. For Dessert Preparation. 7,894; Apr. 7.
Jell-O Company, Inc., The, Le Roy, N. Y. Three Appetising Desserts. For Dessert Preparation. 7,895; Apr. 7.
Jell-O Company, Inc., The, Le Roy, N. Y. Jell-O Macédoine. For Dessert Preparation. 7,896; Apr. 7.
Jell-O Company, Inc., The, Le Roy, N. Y. Orange Jell-O Cups. For Dessert Preparation. 7,897; Apr. 7.
Jell-O Company, Inc., The, Le Roy, N. Y. Delicious. For Dessert Preparation. 7,898; Apr. 7.
Malone, Lawrence T., doing business as Malone's Candyland, Seattle, Wash. New Creation in Candy. For Candy. 7,899; Apr. 7.
Mathews, Frederick C., Company, Detroit, Mich. Brigade's Base Drummer. For Ice Cream. 7,900; Apr. 7.
Mathews, Frederick C., Company, Detroit, Mich. Brigade's Jolly Drummer. For Ice Cream. 7,901; Apr. 7.
Mathews, Frederick C., Company, Detroit, Mich. Brigade's Standard Bearer. For Ice Cream. 7,902; Apr. 7.
North Bro's. M'F'G. Co., Philadelphia, Pa. Yankee Demonstrator. For Tools. 7,903; Apr. 7.
White Eagle Oil and Refining Company, Kansas City, Mo. White Eagle Gasoline and Oil. For Gasoline and Oil. 7,904; Apr. 7.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A/S Firda, Maaloy, Norway. Tinned and preserved fish and meat, fish balls, meat balls, sausage, etc. 204,890; Apr. 7.
Abbey-Ross Corporation, The, New York, N. Y. Medicinal preparation for disorders of the stomach, liver, blood, and kidneys and medicinal digestive preparations. 209,116; Apr. 7.
Acme Products Company, New Orleans and De Quincy, La. Pine oil for use in paints and varnishes. 207,541; Apr. 7.
Adams, Thomas, Barberton, Ohio. Cone dispensers. 209,827; Apr. 7.
Air Reduction Company, Incorporated, New York, N. Y. Oxyacetylene welding and cutting apparatus. 207,221; Apr. 7.
Altorfer Bros. Co., East Peoria, Ill. Washing machines. 207,643; Apr. 7.
American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 184,200; Apr. 7.
American Broom and Brush Co., Amsterdam, N. Y. Brooms. 209,892; Apr. 7.
American Doucil Company, Philadelphia, Pa. Double silicate of sodium and aluminum. 210,110; Apr. 7.
American Interstate Radio Service, New York, N. Y. Radio sets and apparatus. 206,760; Apr. 7.
American Silverlie Products Corporation, Portland, Oreg. Powdered soap, household cleanser, and carpet cleanser. 197,407; Apr. 7.
American Toy & Novelty Works, Inc., York, Pa. Children's sleds. 209,716; Apr. 7.
Ammen, Charles, Company, Ltd., Alexandria, La. Baby powder. 208,446; Apr. 7.
Arlee Book Shop, The. (See Kellogg, Spencer, jr.)
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 192,875; Apr. 7.
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 192,877; Apr. 7.
Arrowsmith Manufacturing Company, New York, N. Y. Plasters and pads for treating abnormal growths and conditions of the feet. 192,878; Apr. 7.
Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 192,881; Apr. 7.
Arrowsmith Manufacturing Company, New York, N. Y. Devices for measuring the feet, hands, and other portions of the body. 192,883; Apr. 7.
Associated Merchandising Corporation, New York, N. Y. Men's shoes. 210,216; Apr. 7.
Athletic Tea Co., St. Louis, Mo. Tea, coffee, flavoring extracts, spices, cocoa, etc. 164,481; Apr. 7.
Atkins, E. C., & Company, Indianapolis, Ind. Abrasive wheels. 208,947; Apr. 7.
Aubrey, Frederic C., Albany, N. Y. Preparation for cleaning teeth. 209,762; Apr. 7.
Austrian, Joseph E., New York, N. Y. Puzzle book. 205,982; Apr. 7.
Autometal Corporation, Niagara Falls, N. Y. Complete radio receiving sets and parts thereof. 209,194; Apr. 7.
B & H Pharmacal Company, The. (See Bransky & Harris.)
Bakelite Corporation, New York, N. Y. Armatures, bobbin heads, etc. 202,578; Apr. 7.
Baller, Harry, doing business as Ray Manufacturing Company, New York, N. Y. Cosmetics, toilet creams, skin balm, etc. 208,841; Apr. 7.
Bass, E. & J., Inc., New York, N. Y. Cigar and cigarette lighting devices. 207,118; Apr. 7.
Bemis, Fred L., doing business as Bemis Drug Co., North Abington, Mass. Medicine for coughs, colds, etc. 210,157; Apr. 7.
Berdan Co., The, Toledo, Ohio. Coffee. 208,220; Apr. 7.
Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 204,004; Apr. 7.
Black-Iron Stove Polish Co., Lawrence, Mass. Stove and metal polishes. 209,613; Apr. 7.
Blaesser & Eshleman, Paullina, Iowa. Lotion for the hands and face. 209,614; Apr. 7.
Blake, Anna M., doing business as Healoderm Laboratories. Face powders, face creams, rouges, etc. 209,767; Apr. 7.
Bosence & Eaton, Redondo Beach, Calif. Canned spiced fish meats. 208,504; Apr. 7.
Bransky & Harris, doing business as The B & H Pharmacal Company, Norfolk, Va., and Chicago, Ill. Medicine for coughs, colds, etc. 209,330; Apr. 7.
Brillo Manufacturing Company, Inc., Brooklyn, N. Y. Steel wool. 199,920; Apr. 7.
Brockton Stain Co. Inc., Brockton, Mass. Waxes for use in the manufacturing of shoes, for repairing, etc., and stains, and crayons. 205,108; Apr. 7.
Brotherhood Investment Company, Mentor, Ohio. Monthly publication. 198,449; Apr. 7.
Brown, Thomas E., Philadelphia, Pa. Hosiery. 192,062; Apr. 7.
Burrell, D. H., & Co., Inc., Little Falls, N. Y. Churns, milk clarifiers, cream separators, etc. 192,598; Apr. 7.
Buss-Linthicum-Thorson, Inc., Chicago, Ill., and New York, N. Y. Watches. 207,965; Apr. 7.
Butler Brothers, Chicago, Ill. Handkerchiefs. 209,973; Apr. 7.
Caplan David, Co., Boston, Mass. Bias-fold tape. 209,200; Apr. 7.
Carey Medical Corporation, The, Elmira, N. Y. Nerve tablets. 208,370; Apr. 7.
Carlson, Ray A., Chicago, Ill. Periodical publications 209,137; Apr. 7.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Collar buttons. 200,385; Apr. 7.
Challenge Cream and Butter Association, Los Angeles, Calif. Eggs. 208,640; Apr. 7.
Chandler and Rudd Company, The, Cleveland, Ohio. Ham, bacon, and sausage. 196,481; Apr. 7.
Chemical Process Corporation, Chicago, Ill. Carbon paper. 199,820; Apr. 7.
Cherry City Milling Company, Salem, Oreg. Wheat and pancake flour, cereal breakfast food, poultry and stock feeds. 207,615; Apr. 7.
Clark, Chas. H., Philadelphia, Pa. Skin lotions. 209,529; Apr. 7.
Clark Tructractor Company, Buchanan, Mich. Tractors. 209,461; Apr. 7.
Cleveland Engineering Laboratories Company, The, Cleveland, Ohio. Alternating-current rectifiers, storage batteries, and parts thereof. 199,933; Apr. 7.
Clo-Fur Manufacturing Co. (See Heller, Jacob.)
Colgate & Company, Jersey City, N. J., and New York, N. Y. Shaving soap and sticks. 197,585; Apr. 7.
Collins, Andrew G., Detroit, Mich. Shoe dressing. 208,383; Apr. 7.
Colonial Lamp & Fixture Works, assignor to Colonial Lamp & Fixture Works, Chicago, Ill. Electric-lighting fixtures. 153,541; Apr. 7.
Columbia Bag & Paper Corporation, Long Island City, N. Y. Paper bags. 209,331; Apr. 7.
Columbia Bag & Paper Corporation, Long Island City, N. Y. Paper bags. 209,333–4; Apr. 7.
Columbia Food Products Co. Inc., Newark, N. J. Pie and cream fillings and jelly powder. 207,709; Apr. 7.
Coppel, Alexander, Solingen, Germany. Hair and beard clippers and neck shavers. 207,493; Apr. 7.
Cottam, H. T., & Company, Inc., New Orleans, La. Sirups for food purposes. 208,572; Apr. 7.
Crandall Packing Company, Palmyra, N. Y. Gauge glasses. 209,208; Apr. 7.
Crescent Stove Works, Evansville, Ind. Heating stoves. 208,959; Apr. 7.
Crosley Manufacturing Company, The, Cincinnati, Ohio. Radio receiving sets and parts thereof. 209,077; Apr. 7.
Crossword Company, The, Washington, D. C. Game. 209,078; Apr. 7.
Danforth, Walter P., Augusta, Ga. Cigars. 208,796; Apr. 7.
Daus, Felix F., Duplicator Company, Inc., New York N. Y. Revolving duplicators. 207,854; Apr. 7.
Davis, Anderson D., Gastonia, N. C. Roller dressing for use on textile-machinery rollers. 204,703; Apr. 7.
De Foe, Maryon, Inc., New York, N. Y. Perfume and toilet waters. 209,736; Apr. 7.
De Graaf, William, New York, N. Y. Varnish for finishing and renewing. 207,855; Apr. 7.
Delclare Products Corporation of California, San Francisco, Calif. Soap. 208,900; Apr. 7.
Dennison Manufacturing Company, Framingham, Mass. Tags. 208,283; Apr. 7.
Dent, Charles H., doing business as Dent Chemical Company, Grand Rapids, Mich. Toilet waters, perfumes and creams. 208,574; Apr. 7.
Domino House. (See Sullivan, Marguerite.)
Domminey, Sophie L., Brooklyn, N. Y. Cake. 209,025 Apr. 7.
Douglas, Edwin B., Chicago, Ill. Antiseptic, astringent, etc., solutions for the mouth and throat. 209,566; Apr. 7.
Drug Products Co. Inc., The, Long Island City, N. Y. Publications or booklets. 208,386; Apr. 7.
Duncan Sisters Music Publishers, Chicago, Ill. Musical compositions and publications. 204,310; Apr. 7.
Dunne, W. H., Co., The, Norwich, N. Y. Canned vegetables and fish, evaporated milk, condensed milk, etc. 205,000; Apr. 7.
Dutch Maid Products. (See Eba, Earl M.)
Dwyer, John W., Philadelphia, Pa. Athletic wearing apparel. 192,068; Apr. 7.
Dynamic Radio Company. (See Kranz, William.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Eagle Piece Dye Works, Paterson, N. J. Textile fabrics—namely, silk, silk and cotton, silk and wool, etc. 204,590; Apr. 7.

Eba, Earl M., doing business as Dutch Maid Products, Seattle, Wash. Mayonnaise and salad dressings, cornmeal mush, tartar sauce, etc. 206,225; Apr. 7.

Emmerich, Chas., & Co., Chicago, Ill. Pillows. 209,390; Apr. 7.

Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Motor fuel oils. 205,864; Apr. 7.

Fashion Wear Hosiery Company, Cincinnati, Ohio. Hosiery. 209,028; Apr. 7.

Federal Yarn Corporation, New York, N. Y. Cotton tape. 193,036; Apr. 7.

Firth, John, New York, N. Y. Soldering fluid. 209,339; Apr. 7.

Fisher, Dudley T., jr., Columbus, Ohio. Series of cartoons. 208,287; Apr. 7.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 209,634; Apr. 7.

Foster Honey and Mercantile Co., The, doing business as The Foster Honey Co., Boulder, Colo. Candy. 200,677; Apr. 7.

Fox River Paper Company, Appleton, Wis. Writing paper. 204,550; Apr. 7.

Franzblau, Nathan, doing business as Leon Milly Shop, New York, N. Y. Ladies' and misses' hats. 209,781; Apr. 7.

Galena Manufacturing Company, Galena, Ill. Axle, gear, and cable grease. 209,394; Apr. 7.

Gallon Iron Works & Mfg. Co., The, Gallon, Ohio. Road graders. 209,341; Apr. 7.

Gardner, Percy, Corporation, The, Newark, N. J. Bias tape. 189,140; Apr. 7.

General Storage Battery Co., St. Louis, Mo. Automobile and radio storage batteries. 209,647; Apr. 7.

Georgia Show Case Co., Montgomery, Ala. Furniture and fixtures for banks, stores, offices, and jewelry establishments. 174,204; Apr. 7.

Gibson-Howell Company. (See Ukemco Corporation.)

Gil, Francisco, Seville, Spain. General tonic. 202,700; Apr. 7.

Girouard, Arthur J., doing business as The Wonder Chemical Company, West Springfield, Mass. Bleaching fluid and cormond water. 199,916; Apr. 7.

Glossila Chemical Co. (See Manley, G. T.)

Gold Dust Corporation, Jersey City, N. J. Washing powders. 209,910; Apr. 7.

Goldsmith, Joseph, jr., doing business as Goldsmith Manufacturing Co., Providence, R. I. Shoe-trees. 209,083; Apr. 7.

Gordon, Louis W., Co. Inc., New York, N. Y., assignor to N. B. Thayer & Co., Inc., East Rochester, N. H. Boots and shoes. 176,339; Apr. 7.

Graver Corporation, East Chicago, Ind. Steel tanks. 209,786; Apr. 7.

Graves, J. J., doing business as Oak Shadows Farms, San Francisco, Calif. Fresh deciduous fruits, fresh grapes and citrous fruits, melons, and eggs, and dressed poultry. 208,304; Apr. 7.

Great Western Products Co., Santa Cruz, Calif. Washing powder. 209,842; Apr. 7.

Grennan Cake Corporation, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Icing preparations, food-flavoring extracts, and baking mixtures for cakes. 190,407; Apr. 7.

Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 199,475; Apr. 7.

Guaranteed Products Corporation, New York, N. Y. Shampoo. 209,787; Apr. 7.

Guilmont & Peters, Chicago, Ill. Tint for the hair. 209,913; Apr. 7.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 205,827–9; Apr. 7.

Harley, E. E., Company, The, Dayton, Ohio. Shoe gloss. 209,214; Apr. 7.

Henloderm Laboratories. (See Blake, Anna M.)

Heins, H. J., Company, Pittsburgh, Pa. Pickles, chow chow, pickled onions, canned baked beans, etc. 207,017; Apr. 7.

Heller, B., & Company, Chicago, Ill. Washing powder. 209,657; Apr. 7.

Heller, Jacob, doing business as Clo-Fur Manufacturing Co., Baltimore, Md. Cleaning fluid for clothing, cloth, and furs. 208,895; Apr. 7.

Hendrikx, William, College Point, N. Y. Tobacco pipes, cigar and cigarette holders. 206,524; Apr. 7.

Hennessey, Louis J., Atlanta, Ga. Monthly magazine. 208,656; Apr. 7.

Herock Manufacturing Company, Phoenixville, Pa. Asphaltic paints. 207,188; Apr. 7.

Holmes, Christian R., Montecito, Santa Barbara, Calif. Eggs and poultry. 203,521; Apr. 7.

Holtite Manufacturing Co., Baltimore, Md. Rubber heels and soles for shoes. 208,909; Apr. 7.

Horback, Peter A., Cincinnati, Ohio. Hop-flavored malt syrups for food purposes. 207,934; Apr. 7.

Hudnut, Richard, New York, N. Y. Soap. 209,478; Apr. 7.

Huntington Laboratories, Inc., Huntington, Ind. Soap. 209,988; Apr. 7.

Hyman, L., & Sons, doing business as Red Seal Mills, New York, N. Y. Twine. 207,575; Apr. 7.

Hyman & Oppenheim, New York, N. Y. Auxiliary hair pieces. 208,142; Apr. 7.

Inter-State Radio Co., New York, N. Y. Radio loud speakers, transformers, etc. 201,959; Apr. 7.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 209,217–18; Apr. 7.

Jones Brothers, Limited, Manchester, England. Untreated textile polishing cloths and dusters. 188,872; Apr. 7.

Kalle and Company Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Chemical cleansing agent for cleaning fabrics and clothes. 209,222; Apr. 7.

Kaplan, Harold, Brooklyn, N. Y. Laxative. 207,886; Apr. 7.

Katsin, Sonia, Chicago, Ill. Millinery. 207,996; Apr. 7.

Keller, W. B., Publishing Co., New York, N. Y. Publication issued monthly. 205,926; Apr. 7.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 185,182; Apr. 7.

Kellogg, Spencer, jr., doing business as The Aries Book Shop, Buffalo, N. Y. Periodical magazines. 208,248; Apr. 7.

Kennedy, A. M., & Co., Inc., New York, N. Y. Presses for embossing, marking, printing, and stamping. 207,789; Apr. 7.

King Bun Company, Dallas, Tex. Toasted sandwiches. 206,672; Apr. 7.

King, John, & Son, Glasgow, Scotland. Cotton piece goods. 201,145; Apr. 7.

Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 210,172–8; Apr. 7.

Koerner Furniture Manufacturing Company, Inc., Boston, Mass. Upholstered divans and chairs. 206,173; Apr. 7.

Kohlenite Products Co., Inc., New York, N. Y. Brushes for motors and dynamos. 209,060; Apr. 7.

Krans, William, doing business as Dynamic Radio Company and Mike's Radio Shops, New York, N. Y. Radio sets and apparatus. 205,879; Apr. 7.

Lacko Specialty Co., Inc., San Francisco, Calif. Spray for sterilizing, disinfecting, etc. 208,299; Apr. 7.

La Fontaine, Eleonora V., Brooklyn, N. Y. Almond table sirups. 184,409; Apr. 7.

Langman, Benjamin W., Los Angeles, Calif. Shampoo, face lotion, bath crystals, tooth paste, etc. 206,415; Apr. 7.

Laufe, Charles, doing business as Stay-Tight Co., New York, N. Y. Hair curlers. 203,578; Apr. 7.

Lawrence, C. Harland, Taunton, Mass. Flannel piece goods and knitted fabric made from yarn. 207,938; Apr. 7.

Leon Milly Shop. (See Franzblau, Nathan.)

Lester, Howard W., Hartford, Conn. Furniture and automobile polishes. 204,859; Apr. 7.

Lewis, Samuel, New York, N. Y. Sanitary can for soiled clothes. 209,304; Apr. 7.

Licht Brothers & Company, St. Louis, Mo. Hosiery. 171,463; Apr. 7.

Lightning Manufacturing Company, Joplin, Mo. Puncture seal. 200,397; Apr. 7.

Livy, Milton I., New York, N. Y. Vaginal suppositories. 206,319; Apr. 7.

Los Angeles Barber Supply Co. Inc., Los Angeles, Calif. Toilet water, scalp pomade, etc. 209,483; Apr. 7.

Lotus Bud Company, Inc., New York, N. Y. Soap in paste or liquid form. 209,733; Apr. 7.

Louis, R. (See Ruffo, Louis.)

M J R Metallwarenfabrik Josef Rosenthal Aktiengesellschaft, Vienna, Austria. Liquid fuel cooking stoves. 196,468; Apr. 7.

Mackenzie, Robt. F., Co., The, Cleveland, Ohio. Candy. 192,404; Apr. 7.

Macy, R. H., & Co., Inc., New York, N. Y. Ribbons in the piece. 194,553; Apr. 7.

Macy, R. H., & Co., Inc., New York, N. Y. Typewriter paper, typewriter tablet paper, bond tablets, etc. 206,176; Apr. 7.

Maderia, Hill & Company, Philadelphia, Pa. Coal. 208,305; Apr. 7.

Magnavox Company, The, Oakland, Calif. Electrical sound magnifying and amplifying devices. 170,588; Apr. 7.

Make-Ur-Own Mfg. Company. (See Peles, William.)

Manhattan Knitting Mills, New York, N. Y. Swimming suits. 209,132; Apr. 7.

Manhattan Knitting Mills, New York, N. Y. Sweaters. 209,799; Apr. 7.

Manley, G. T., doing business as Glossila Chemical Co., Decatur, Ga. Piano and automobile polish. 198,578; Apr. 7.

Manly, John B., Company, Chicago, Ill. Suits, vests, coats, and trousers. 207,085; Apr. 7.

Marine Products, Incorporated, New Orleans, La. Canned shrimp. 190,262; Apr. 7.

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Markwell Manufacturing Co., Inc., New York, N. Y. Metal eyelets and washers, hamper and meat hooks, meat skewers, etc. 206,792; Apr. 7.

Markwell Manufacturing Co., Inc., New York, N. Y. Knives, cord cutters, stapling machines, clamping benches, etc. 206,794; Apr. 7.

Markwell Manufacturing Co., Inc., New York, N. Y. Label glue, glue for sealing cartons, and silicate of soda for adhesive purposes. 206,796; Apr. 7.

McCurrach, James, & Brother, New York, N. Y. Neckties. 209,739–40; Apr. 7.

Mike's Radio Shops. (See Krans, William.)

Miller, E., Milwaukee, Wis., and Chicago, Ill. Salve and liniment. 206,253; Apr. 7.

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Wheat flour. 207,624; Apr. 7.

Monomac Spinning Company, Boston, Mass. Fabrics made of yarns of wool and silk. 209,308; Apr. 7.

Morana Incorporated, New York, N. Y. Aromatic compounds for perfumery purposes. 210,130; Apr. 7.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation for nervous disorders. 210,131; Apr. 7.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Hair tonic. 210,132; Apr. 7.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation for nervous disorders. 210,133; Apr. 7.

Murphy Varnish Company, Newark, N. J. Nitrocellulose lacquers. 202,136; Apr. 7.

Murrmann, Annie E., Danville, Ill. Medicine for treatment of the lungs, etc. 207,625; Apr. 7.

Nadherny, Clark J., Chicago, Ill. Oven mittens. 208,998; Apr. 7.

Nathan, Joseph, & Company, Limited, London, England. Cod-liver-oil extract. 210,180; Apr. 7.

National Broom Manufacturing Co., Pueblo, Colo. Brooms. 209,679; Apr. 7.

National Shirt Shops, Inc., New York, N. Y. Men's underwear of knitted or textile fabric. 208,602; Apr. 7.

National Shirt Shops, Inc., New York, N. Y. Men's neckwear. 208,819; Apr. 7.

Naylor, Ford, Inc., New York, N. Y. Wool cloth for suits, overcoats, and wearing apparel. 209,173; Apr. 7.

Nelsen, Leonard O., South Colby, Wash. Shoe grease. 176,641; Apr. 7.

Nelsine Chemical Co., Chicago, Ill. Hair color restorer. 209,489; Apr. 7.

Nelson, Semion S., doing business as The Nelson Company, Hartford, Conn. Ointment for neuritis, neuralgia, lumbago, etc. 208,772; Apr. 7.

Neuhaus-Kuoch Chemical Corporation, Buffalo, N. Y. Acid-proof cement for building purposes. 209,099–100; Apr. 7.

Newman, Sigmund, doing business as The Radio Constructor, New York, N. Y. Kits containing flexible wires and templates and instructions for building radio sets. 209,233; Apr. 7.

Newspaper Advertiser Publishing Company, Inc., New York, N. Y. Name of publication. 208,604; Apr. 7.

New Utrecht Specialty Co. (See Romano, Dominic.)

Northam Warren Corporation, New York, N. Y. Manicure sets. 209,186; Apr. 7.

Nowlin, A. S., & Company, Lynchburg, Va. Coal. 208,357; Apr. 7.

Nutrasal Laboratories, Incorporated, Hoboken, N. J., and New York, N. Y. Physiological salt. 208,254; Apr. 7.

Oak Shadows Farms. (See Graves, J. J.)

Olmsted, Leon A., doing business as United States Athletic Company, Chicago, Ill. Striking bag, racket cover, balls, etc. 170,667; Apr. 7.

Oppenheimer, M. H., & Co., Inc., New York, N. Y. Cotton piece goods. 209,866; Apr. 7.

Orange Frost Company, Los Angeles, Calif. Nonalcoholic, maltless beverages and extracts and sirups for making the same. 205,778; Apr. 7.

Pacific & Atlantic Photos, Inc., New York, N. Y. Machines and apparatus for distance transmission of photographs electrically. 207,629; Apr. 7.

Pacific Oriept Company, San Francisco, Calif. Chinese textile and grass rugs, bamboo mats, and laces in the piece. 207,755; Apr. 7.

Pathé Chemical Company, Brooklyn, N. Y. Moth-repellent compounds for treatment of textile fabrics. 208,865; Apr. 7.

Pathé Chemical Company, Brooklyn, N. Y. Moth-repellent compounds. 209,809; Apr. 7.

Pearson, E. T., Corporation, The, New York, N. Y. Protein product for nursing mothers. 208,774; Apr. 7.

Peles, William, doing business as Make-Ur-Own Mfg. Company, Beacon, N. Y. Cross-word-puzzle games. 209,810; Apr. 7.

Pelling, Stanley, & Co. Ltd., Liverpool, England. Fruits. 202,638; Apr. 7.

Perfolastic, Inc., New York, N. Y. Elastic girdles. 210,312; Apr. 7.

Perfumería, Gal Sociedad Anónima, Madrid, Spain. Toilet powders and extracts, hair lotions, etc. 201,628; Apr. 7.

Philadelphia Hosiery Mills, Philadelphia, Tenn. Hosiery. 208,675; Apr. 7.

Pickett, Pauline, Farmington, Mich. Confection consisting of a core of comb honey surrounded by an edible coating of candy. 206,007; Apr. 7.

Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils, particularly petroleum-product oils. 205,776; Apr. 7.

Pierre Lemoine et Cie., Inc., New York, N. Y. Essential and flower oil compounds thereof. 206,539–40; Apr. 7.

Potter, W. N., & Sons, Greenfield, Mass. Grass seed. 208,823–4; Apr. 7.

Precise Instrument Company, Brooklyn, N. Y. Transformers. 208,777; Apr. 7.

Preservaline Manufacturing Company, The, Brooklyn, N. Y. Coloring for meat food products. 209,812; Apr. 7.

Press Publishing Company, New York, N. Y. Daily comic strip in a newspaper. 193,729–32; Apr. 7.

Preventosan Laboratories. (See Sunshine, Jacob.)

Procter and Gamble Company, The, Cincinnati, Ohio. Deodorized vegetable stearine. 208,312; Apr. 7.

Purit Maatschappij, Amsterdam, Netherlands. Vegetable decolorizing carbon. 183,889; Apr. 7.

Radio Constructor, The. (See Newman, Sigmund.)

Radway & Company, New York, N. Y. Preparation for the treatment of dyspepsia, indigestion, etc. 205,548; Apr. 7.

Ramstone Corporation, New York, N. Y. Radio receiving sets and parts thereof. 209,106; Apr. 7.

Ray Manufacturing Company. (See Baller, Harry.)

Red Seal Mills. (See Hyman, L., & Sons.)

Reed Tobacco Company, Richmond, Va. Cigarettes. 209,107; Apr. 7.

Reefer, Eugene J. (See Sullivan, Marguerite, assignor.)

Reflector & Illuminating Co., Chicago, Ill. Glass reflectors. 208,998; Apr. 7.

Reich, E. Harry, New York, N. Y. Cotton towels. 208,068; Apr. 7.

Reid, Fred A., doing business as F. A. Reid Mfg. Co., St. Louis, Mo. Polish for automobiles, furniture, and other highly-finished surfaces. 208,583; Apr. 7.

Republic International Corporation, Port Washington, N. Y. Ointment. 208,826; Apr. 7.

Review of Reviews Corporation, The, New York, N. Y. Monthly magazine. 208,313; Apr. 7.

Rhodes, James H., & Company, Chicago, Ill. Sponges and chamois skins. 207,886; Apr. 7.

Rivera, Francisco S., Lucena, Spain. Olive oils. 207,686; Apr. 7.

Romano, Dominic, doing business as New Utrecht Specialty Co., Brooklyn, N. Y. Preparation for polishing windows, etc. 209,941; Apr. 7.

Roure-Bertrand Fils, Inc., New York, N. Y. Flower oils, flower essences, and flower extracts. 208,871; Apr. 7.

Ruffo, Louis, doing business as R. Louis, New York, N. Y. Transformations and wigs. 207,406; Apr. 7.

Sacol Laboratory, Brooklyn, N. Y. Condition and tonic tablets for dogs. 208,613; Apr. 7.

St. Louis Coffee & Spice Mills, St. Louis, Mo. Coffee, tea, food-flavoring extracts, and spices. 192,504; Apr. 7.

Sal-Oris Chemical Co., Minneapolis, Minn. Powder mouth wash. 210,013; Apr. 7.

Scholl Manufacturing Company, Inc., Chicago, Ill. Shoes, boots, and slippers. 199,253; Apr. 7.

Scientific Products, Inc., Chicago, Ill. Chocolated cod-liver oil for food purposes. 206,597; Apr. 7.

Selectrol Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof. 207,631; Apr. 7.

Sexton, John, and Company, Chicago, Ill. Fruit marmalades, butters, preserves, and jellies, cranberry sauce, etc. 187,898; Apr. 7.

Sharples Specialty Co., The, Philadelphia, Pa. Centrifugal machines. 209,180; Apr. 7.

Sherr Bros., New York, N. Y. Dresses and frocks. 209,754; Apr. 7.

Simmons, C. F., Medicine Co. Incorporated, St. Louis, Mo. Preparations for treatment of diseases of the liver. 210,015–16; Apr. 7.

Skelly Oil Company, Tulsa, Okla. Gasoline, kerosene, oils, etc. 208,877; Apr. 7.

Societe l'Aliment Essentiel, Nanterre, France. Prepared bread for infants and invalids. 204,794; Apr. 7.

Societe Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 206,546; Apr. 7.

Société Worth, Paris, France. Soaps. 209,715; Apr. 7.

Southern Coal & Coke Company, Boothton, Ala. Coal. 208,879; Apr. 7.

Standard Radio Corporation, Chicago, Ill. Radio products, apparatus, and appliances. 208,784; Apr. 7.

Standish, John A., Washington, D. C. Preparation for treatment of pyorrhea and kindred diseases. 208,830; Apr. 7.

Star Milling Company, Minneapolis, Minn. Wheat flour. 164,686; Apr. 7.

Stay-Tight Co. (See Laufe, Charles.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Stein and Blaine, New York, N. Y. Perfumes. 209,878; Apr. 7.

Steinberger Bros. Lobl Co. Inc., New York, N. Y. Leather and kid gloves. 178,778–9; Apr. 7.

Sterling Chocolate Co., Inc., Brooklyn, N. Y. Candy. 209,708; Apr. 7.

Stewart, A. Donald, Westbury, N. Y. Nonsaponaceous cleaning powder for use with liquids. 206,645; Apr. 7.

Strauss Bros. & Co., New York, N. Y. Handkerchiefs. 209,709; Apr. 7.

Sullivan, Marguerite, doing business as Domino House, assignor to Eugene J. Reefer and said Marguerite Sullivan, copartners trading as Domino House, Philadelphia, Pa. Soaps. 165,770; Apr. 7.

Sultan, Ernest J., Manufacturing Co., The, San Francisco, Calif. Davenports, chairs, tables, etc. 209,820; Apr. 7.

Sun Oil Company, Philadelphia, Pa. Lubricating oil. 208,021; Apr. 7.

Sunshine, Jacob, doing business as Preventosan Laboratories, New York, N. Y. Preventives for venereal diseases. 209,505; Apr. 7.

Susser, Morris, New York, N. Y. Fur wearing apparel—viz, coats, boas, collars, and stoles. 208,078; Apr. 7.

Sweets Company of America, Incorporated, The, New York, N. Y. Candy. 204,379; Apr. 7.

Tablet & Ticket Company, The, Chicago, Ill. Celluloid letters for changeable signs. 199,331; Apr. 7.

Talens & Son, Inc., Irvington, N. J. Artists' colors. 208,079; Apr. 7.

Textile Finishing Products, Inc., Saylesville, R. I. Preparations for softening the fiber of textile fabrics. 210,022; Apr. 7.

Textiles Development Corporation, New York, N. Y. Woven cord fabrics for use in the manufacture of tires and fabric belting. 191,102; Apr. 7.

Thayer, N. B., & Co. (See Gordon, Louis W., Co., assignor.)

Thomas, Lake & Whiton, Inc., Boston, Mass. Cotton piece goods. 208,265; Apr. 7.

Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass. Materials for use upon automobiles—namely, khaki top dressings and brake dressings. 205,246; Apr. 7.

Tiona Oil Company of Maryland, Inc., The, Baltimore, Md. Lubricating oils and greases. 209,598; Apr. 7.

Tru-Fruit Mfg. Co., Oakland, Calif. Shaved ice in a cone over which flavoring has been poured. 196,430; Apr. 7.

Twinko Manufacturing Company, Inc., Monrovia, Calif. Brooms. 209,508; Apr. 7.

Typo Trading Corporation, New York, N. Y. Desk calendars, letterheads, writing paper, envelopes, etc. 201,384; Apr. 7.

U-Profit Manufacturing Co. Inc., New York, N. Y. Men's caps and hats. 209,256; Apr. 7.

Ukemco Corporation, New York, N. Y. Shampoo preparation. 194,033; Apr. 7.

Ukemco Corporation, doing business as Gibson-Howell Company, Inc., New York, N. Y. Cold cream, hair tonic, and dandruff remedy. 205,499; Apr. 7.

Union Starch & Refining Company, Columbus, Ind. Corn sirup. 203,913; Apr. 7.

Union Starch & Refining Company, Columbus, Ind. Table sirup. 203,914; Apr. 7.

Union Starch & Refining Company, Columbus, Ind. Corn sirup. 203,915; Apr. 7.

Union Starch & Refining Company, Columbus, Ind. Corn sirup. 203,919; Apr. 7.

United States Athletic Company. (See Olmsted, Leon A.)

Vesdal Creations, Inc., New York, N. Y. Fuel and lubricating oils and lubricating greases. 207,601; Apr. 7.

Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, and tobacco. 200,591; Apr. 7.

Ward, Joseph E., (Bredbury) Limited, Bredbury, Stockport, and London, England. Men's hats and caps. 207,277–8; Apr. 7.

Weber, Frank C., & Company, Chicago, Ill. Canned goods, marmalades, coffee, tea, etc. 200,128; Apr. 7.

Weiss & Zahler, New York, N. Y. Mufflers. 209,513; Apr. 7.

Western Lithograph Company, Los Angeles, Calif. Advertising signs and display cards. 206,814; Apr. 7.

Western Maryland Dairy, Baltimore, Md. Poultry and stock feeding food. 209,072; Apr. 7.

Western Shade Cloth Company, The, Chicago, Ill. Imitation leather fabric. 207,701; Apr. 7.

Wheat's Ice Cream Company, Buffalo, N. Y. Ice cream. 208,627; Apr. 7.

Whitcher & Co., Glendale, Calif. Men's outer working garment. 194,893; Apr. 7.

Wilcox-Hayes Co., The, Portland, Oreg. Wheat flour. 207,638; Apr. 7.

Williams, C. U., & Son, Bloomington, Ill. Liquid-fuel-burning apparatus. 199,664; Apr. 7.

Williams Seed Company, Inc., Norfolk, Va. Seeds and flower bulbs. 206,206; Apr. 7.

Williamson, Harry M., Denver, Colo. Facial creams. 209,259; Apr. 7.

Wilson, J. G., Corporation, The, New York, N. Y. Doors, blinds, partitions, and wardrobes. 208,088; Apr. 7.

Wonder Chemical Company, The. (See Girouard, Arthur J.)

Yatter, Samuel, Co., Chicago, Ill. Suits, overcoats, trousers, and raincoats. 208,885; Apr. 7.

York Manufacturing Co. Inc., New York, N. Y. Dress patterns of voile, etc. 208,543; Apr. 7.

Yvetti Co., New York, N. Y. Hair goods. 210,262; Apr. 7.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Clay, Art. Placquo Art Company. 197,083; Apr. 7; Serial No. 204,191; published Jan. 13, 1925.

Coal. Bair-Collins Co. 197,086; Apr. 7; Serial No. 201,530; published Jan. 13, 1925.

Coal. Hazard-Blue Grass Coal Corporation. 197,080; Apr. 7; Serial No. 204,964; published Jan. 20, 1925.

Coal. Hood Coal Company. 197,077; Apr. 7; Serial No. 205,480; published Jan. 13, 1925.

Coal. W. A. Marshall & Company. 197,071; Apr. 7; Serial No. 206,250; published Jan. 13, 1925.

Coal. Rogers-Elkhorn Coal Company. 197,006; Apr. 7; Serial No. 196,076; published Oct. 14, 1924.

Fur skins. Stein Fur Dyeing Co. 197,109; Apr. 7; Serial No. 203,911; published Jan. 13, 1925.

Furs, skins, and pelts. T. Thorer. 197,084; Apr. 7; Serial No. 202,904; published Jan. 13, 1925.

Ice. J. A. Stiles. 197,111; Apr. 7; Serial No. 202,763; published Jan. 13, 1925.

Leather. C. Trautman & Company. 197,115; Apr. 7; Serial No. 186,301; published July 22, 1924.

Leather sides, bends, backs, etc. E. A. Sweet Company. 197,078; Apr. 7; Serial No. 205,376; published Jan. 20, 1925.

Leather, Tanned. Ocean Leather Company. 197,072; Apr. 7; Serial No. 206,184; published Jan. 13, 1925.

Seed corn. H. E. Conklin. 46,094; renewed Sept. 5, 1925.

Seed, Grass. H. E. Conklin. 46,088–90; renewed Sept. 5, 1925.

Seed, Grass. H. E. Conklin. 46,092; renewed Sept. 5, 1925.

Seed, Grass. H. E. Conklin. 46,180; renewed Sept. 5, 1925.

CLASS 2.

Bags, Onion. A. B. Fishwick. 196,991; Apr. 7; Serial No. 204,445; published Jan. 20, 1925.

Boxes for artists' materials. Winsor & Newton, Inc. 197,127; Apr. 7.

CLASS 4.

Dressing for the uppers of boots and shoes. C. L. Hauthaway & Sons, Incorporated. 45,271; renewed Aug. 8, 1925.

CLASS 6.

Cream, perfumery, essences, etc., Massage. Myrurgia, S. A. 196,997; Apr. 7; Serial No. 184,091; published Jan. 20, 1925.

Disinfectants. West Disinfecting Company. 45,143; renewed Aug. 8, 1925.

Fluid for training the hair in natural waves. C. S. Wurtzer. 45,481; renewed Aug. 22, 1925.

Insecticides. Bransky & Harris. 196,998; Apr. 7; Serial No. 203,251; published Dec. 16, 1924.

Lye or caustic soda, Caustic. Pennsylvania Salt Manufacturing Co. 45,042; renewed Aug. 1, 1925.

Medicinal tonic. E. B. de Prieto. 197,068; Apr. 7; Serial No. 205,087; published Jan. 20, 1925.

Pills. Z. Glowacki. 197,128; Apr. 7.

Preparation for the treatment of disorder and disturbed conditions of the female organs. Saenger Drug Company. 197,101; Apr. 7; Serial No. 180,499; published Nov. 6, 1923.

Preparation for the treatment of stomach disorders. E. S. Pyle. 197,120; Apr. 7.

Preparations for the destruction and extermination of water or Croton bugs, roaches, etc. O. H. Jadwin. 45,174; renewed Aug. 8, 1925.

Remedies for diseases peculiar to women. Martin H. Smith Co. 45,787; renewed Aug. 29, 1925.

Remedy for diseases of the hair and scalp. Herpicide Company. 44,944; renewed Aug. 1, 1925.

Remedy for diseases of the hair and scalp. Herpicide Co. 45,474; renewed Aug. 22, 1925.

Salves, soft salves, ointments, or unguents. J. W. Cole & Co. 45,472; renewed Aug. 22, 1925.

Suppositories. Southport Chemical Company. 197,125; Apr. 7.

Tonic, injection, liver pills, etc., Chill. W. N. Wilkerson & Sons. 197,130; Apr. 7.

CLASS 12.

Cement, Hydraulic. Fort Scott Hydraulic Cement Co. 197,110; Apr. 7; Serial No. 202,290; published Jan. 20, 1925.

Cement, Portland. Sandusky Portland Cement Company. 44,957; renewed Aug. 1, 1925.

Eaves troughs, gutters, etc. J. Widman. 197,055; Apr. 7; Serial No. 205,459; published Jan. 6, 1926.

Gypsum precast slabs. Structural Gypsum Corporation. 197,098; Apr. 7; Serial No. 188,384; published Jan. 13, 1925.

Insulating and plaster-supporting board. Waldorf Paper Products Company. 197,102; Apr. 7; Serial No. 205,620; published Jan. 13, 1925.

Pavement. M. S. Bingham. 197,079; Apr. 7; Serial No. 205,147; published Jan. 13, 1925.

Roofing. Pioneer Paper Company. 197,122–3; Apr. 7.

Shingles and roofing material. Chatfield Manufacturing Company. 196,980; Apr. 7; Serial No. 202,003; published Dec. 23, 1924.

Weather strips. Niagara Metal Weather Strip Co. 197,118; Apr. 7.

CLASS 13.

Brass pipe, Red. Anaconda Copper Mining Company. 197,026; Apr. 7; Serial No. 204,886; published Jan. 13, 1925.

Chains, Trace. Cleveland Chain & Mfg. Co. 197,034; Apr. 7; Serial No. 204,758; published Jan. 13, 1925.

Cooking utensils. Aluminum Cooking Utensil Company. 45,726; renewed Aug. 29, 1925.

Labels and name plates, Metal. Stanley Manufacturing Company. 196,987; Apr. 7; Serial No. 204,205; published Jan. 13, 1925.

Radio sets, Nuts and screws for. A. E. Hill Manufacturing Company. 196,984; Apr. 7; Serial No. 203,520; published Jan. 13, 1925.

Rivets, tubular, solid, and pronged. Tubular Rivet & Stud Company. 45,490; renewed Aug. 22, 1925.

Toilet seats, Auxiliary. M. G. Hilpert. 197,082; Apr. 7; Serial No. 204,770; published Jan. 13, 1925.

CLASS 15.

Candles. American Crayon Company. 196,992; Apr. 7; Serial No. 204,490; published Jan. 13, 1925.

Candles. Standard Oil Company. 197,047; Apr. 7; Serial No. 205,615; published Jan. 20, 1925.

Candles. Standard Oil Company. 197,065; Apr. 7; Serial No. 205,237; published Jan. 13, 1925.

Gasoline. D. C. E. Sales Company. 196,999; Apr. 7; Serial No. 188,896; published Jan. 13, 1925.

Gasoline. Sunburst Refining Company. 197,040; Apr. 7; Serial No. 205,964; published Jan. 13, 1925.

Gasoline and benzine. Owl Drug Company. 196,974; Apr. 7; Serial No. 201,099; published Jan. 13, 1925.

Oil. Franklin Oil & Gas Company. 197,053; Apr. 7; Serial No. 204,765; published Jan. 13, 1925.

Oils and greases. G. L. Swift. 196,994; Apr. 7; Serial No. 136,859; published Jan. 13, 1925.

Oils and greases, Lubricating. Sherwood Bros. Inc. 197,004; Apr. 7; Serial No. 192,043; published Sept 9, 1924.

Oils Automobile tractor, truck, etc. W. A. Carran. 197,038; Apr. 7; Serial No. 204,583; published Jan. 13, 1925.

Oils, Base. Metalene Chemical Company. 197,031; Apr. 7; Serial No. 204,777; published Jan. 13, 1925.

Oils, Waterproofing, stuffing, and polishing. E. L. Post. 46,141; renewed Sept. 5, 1925.

CLASS 16.

Lithopone. J. C. Bird. 197,012; Apr. 7; Serial No. 200,708; published Oct. 21, 1924.

Paint product. Federal Varnish Company. 197,119; Apr. 7.

CLASS 17.

Cigars. L. Bamberger & Company. 197,053; Apr. 7; Serial No. 205,509; published Jan. 20, 1925.

Tobacco and snuff. Maclin-Zimmer-McGill Tobacco Co. 197,067; Apr. 7; Serial No. 205,168; published Jan. 20, 1925.

Tobacco, Bag granulated smoking. Threefoot Bros. & Co. 26,896; renewed Aug. 6, 1925.

CLASS 19.

Automobile brakes. Glendale Engineering Co. 197,081; Apr. 7; Serial No. 204,452; published Jan. 13, 1925.

Automobiles. S. Barbarino. 197,103; Apr. 7; Serial No. 205,464; published Jan. 6, 1925.

Automobiles and chassis. Rolls-Royce of America, Inc. 197,089; Apr. 7; Serial No. 197,394; published Jan. 13, 1925.

Automobiles, luggage holders, mud guards, etc. Benz & Cie. Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft. 197,085; Apr. 7; Serial No. 201,828; published Jan. 6, 1925.

Gears, draft arms, hand brakes, etc., Spring and friction draft. Universal Draft Gear Attachment Co. 197,108; Apr. 7; Serial No. 204,427; published Jan. 6, 1925.

CLASS 21.

Insulators. W. T. C. Macallen Co. 44,477; renewed July 4, 1925.

CLASS 22.

Cards, Playing. M. W. Atkins. 197,042–3; Apr. 7; Serial No. 205,850–1; published Jan. 20, 1925.

Dice and game counters. Celluloid Company. 197,041; Apr. 7; Serial No. 205,855; published Jan. 20, 1925.

CLASS 23.

Locomotive sight-feed lubricators. Nathan Manufacturing Co. 45,896; renewed Aug. 29, 1925.

Packers, limit plugs, new-style common swabs, swab parts, etc. Robinson Packer Company. 197,002; Apr. 7; Serial No. 190,938; published Dec. 30, 1924.

Razors, Safety. Kampfe Bros. 26,980; renewed Aug. 20, 1925.

Screw drivers, wrenches, pliers, etc. Bridgeport Hardware Mfg. Corp. 197,009; Apr. 7; Serial No. 198,340; published Jan. 13, 1925.

Sewing-machine parts and attachments. Willcox & Gibbs Sewing Machine Company. 44,952; renewed Aug. 1, 1925.

Sewing machines. Willcox & Gibbs Sewing Machine Company. 45,835; renewed Aug. 29, 1925.

Sewing machines and attachments and parts. Willcox & Gibbs Sewing Machine Company. 44,722; renewed July 18, 1925.

Water wheels. James Leffel & Company. 45,829; renewed Aug. 15, 1925.

CLASS 26.

Optical frames. H. L. Pohs. 197,131; Apr. 7.

CLASS 29.

Toothbrushes. Raeburn Corporation. 197,066; Apr. 7; Serial No. 205,227; published Jan. 20, 1925.

CLASS 30.

Porcelain and porcelain goods. Königliche Porsellan Manufactur. 26,480–8; renewed Apr. 30, 1925.

CLASS 32.

Furniture, Certain named. Widdicomb Furniture Company. 45,751; renewed Aug. 29, 1925.

CLASS 33.

Glass lamp chimneys. Co-Operative Enterprise Glass Company. 197,027; Apr. 7; Serial No. 204,853; published Jan. 20, 1925.

CLASS 34.

Burners, Domestic oil. Standard Steam Corporation. 196,986; Apr. 7; Serial No. 203,910; published Jan. 6, 1925.

Fudge warmers. G. S. Ward. 197,096; Apr. 7; Serial No. 182,888; published Jan. 20, 1926.

Headlight reflectors, Metallic automobile. A. B. Hill Mfg. Co. 197,007; Apr. 7; Serial No. 196,301; published Jan. 6, 1925.

Heaters, Oil. Everbrite Stove Company. 197,019; Apr. 7; Serial No. 205,054; published Jan. 6, 1925.

Humidifying apparatus and ventilating apparatus. G. D. Doherty. 197,075; Apr. 7; Serial No. 205,745; published Jan. 20, 1925.

Stoves. W. J. Elliott Co. 197,126; Apr. 7.

Stoves and furnaces, Coal. Premier Warm Air Heater Company. 197,082; Apr. 7; Serial No. 204,194; published Jan. 13, 1925.

Stoves and ranges, Wood, coal, and gas. James Graham Manufacturing Co. 197,092; Apr. 7; Serial No. 194,861; published Jan. 20, 1925.

Stoves, Coal. Rosen & Company. 197,028; Apr. 7; Serial No. 204,836; published Jan. 6, 1925.

Ventilators and skylights. Siphon. Guilfoy Cornice Works. 197,088; Apr. 7; Serial No. 201,193; published Jan. 13, 1925.

CLASS 35.

Automobile transmission bands. Parks & Bohne, Inc. 197,104; Apr. 7; Serial No. 205,435; published Jan. 6, 1925.

Belting. Gutta Percha & Rubber Manufacturing Company. 197,074; Apr. 7; Serial 205,752; published Jan. 13, 1925.

Gaskets, Sheet-metal and asbestos. Fitzgerald Manufacturing Company. 196,996; Apr. 7; Serial No. 174,730; published June 5, 1923.

Inner tubes, tube-repair kits, and blow-out patches. E. G. Hefter. 197,124; Apr. 7.

Tires and inner tubes. Utility Tire and Rubber Company. 197,073; Apr. 7; Serial No. 205,843; published Jan. 13, 1925.

Tires, casings, and tubes. Chanslor & Lyon Company. 197,112; Apr. 7; Serial No. 196,904; published Jan. 13, 1925.
Tires, Rubber. Overman Cushion Tire Company. 197,105–7; Apr. 7; Serial No. 205,850–2; published Jan. 6, 1925.
Tires, Rubber. Samson Tire & Rubber Corporation. 197,113; Apr. 7; Serial No. 188,935; published Jan. 13, 1925.

CLASS 36.

Pianos. Cluett & Sons. 44,723–4; renewed July 18, 1925.

CLASS 37.

Paper, Writing. Chemical Paper Co. 44,750; renewed July 25, 1925.
Papers, Writing and printing. Blake, Moffitt & Towne. 197,132; Apr. 7.
Pens, Writing. E. L. Horney. 45,397; renewed Aug. 15, 1925.

CLASS 39.

Aprons, Cloth. Chic Manufacturing Co. 197,001; Apr. 7; Serial No. 190,630; published Jan. 13, 1925.
Bathing suits. Edward A. Phillips and Company. 197,021; Apr. 7; Serial No. 205,029; published Jan. 6, 1925.
Boots. B. F. Goodrich Company. 197,090; Apr. 7; Serial No. 195,817; published Jan. 6, 1925.
Brassières. Model Brassiere Co. 197,013; Apr. 7; Serial No. 206,628; published Jan. 20, 1925.
Caps, Netted. W. R. Chappell. 197,025; Apr. 7; Serial No. 204,893; published Jan. 13, 1925.
Clothing for women, misses, and children. B. Altman & Co. 197,116; Apr. 7; Serial No. 204,691; published Jan. 13, 1925.
Clothing, Men's and boys'. Abraham & Straus, Inc. 197,020; Apr. 7; Serial No. 205,047; published Jan. 13, 1925.
Corsets. Bonwit Teller & Co. 196,988; Apr. 7; Serial No. 204,257; published Jan. 20, 1925.
Corsets, brassières, and girdles. Kops Bros. Inc. 197,010; Apr. 7; Serial No. 198,576; published Aug. 26, 1924.
Dresses. R. H. Macy & Co. 197,005; Apr. 7; Serial No. 194,555; published May 20, 1924.
Dresses. L. & C. Stern. 197,015; Apr. 7; Serial No. 206,040; published Jan. 13, 1925.
Dresses and aprons. J. A. Leek. 197,054; Apr. 7; Serial No. 205,486; published Jan. 6, 1925.
Dresses and blouses, Ladies'. Don P. Toole Company. 197,008; Apr. 7; Serial No. 197,306; published Jan. 6, 1925.
Dresses, Children's. P. M. Moody. 197,117; Apr. 7.
Dresses, underwear, lingerie, etc., Women's. Great Eastern Mfg. Co. 197,036; Apr. 7; Serial No. 204,807; published Dec. 23, 1924.
Frocks, Sport. Lipson & Adelson. 197,048; Apr. 7; Serial No. 205,608; published Jan. 13, 1925.
Garters, belts, etc. Cordo-Hyde Company. 197,023; Apr. 7; Serial No. 204,953; published Jan. 20, 1925.
Hats, Trimmed. Ogus, Rabinovich and Ogus, Inc. 196,977; Apr. 7; Serial No. 201,676; published Jan. 13, 1925.
Hosiery. Gotham Silk Hosiery Company. 197,024; Apr. 7; Serial No. 204,908; published Jan. 13, 1925.
Hosiery. Hecht Co. 197,069; Apr. 7; Serial No. 205,065; published Jan. 13, 1925.
Hosiery. Maidwell Hosiery Co. 197,060; Apr. 7; Serial No. 205,341; published Jan 13, 1925.
Hosiery. James McCreery & Company. 197,018; Apr. 7; Serial No. 206,017; published Jan. 13, 1925.
Hosiery. James McCreery & Company. 197,059; Apr. 7; Serial No. 205,344; published Jan. 6, 1925.
Hosiery and lingerie. Noe-Equi Hosiery Mills, Inc. 196,982; Apr. 7; Serial No. 202,891; published Jan. 6, 1925.
Hosiery, Infants'. Lyon Knitting Mills. 197,061; Apr. 7; Serial No. 205,340; published Jan. 6, 1925.
Hosiery, Ladies'. Weinerth Knitting & Machine Co. 197,121; Apr. 7.
Hosiery, underwear, gloves, etc. Arnold, Constable & Co. 197,029; Apr. 7; Serial No. 204,808; published Jan. 13, 1925.
Neckties. M. P. Cohen. 197,037; Apr. 7; Serial No. 204,585; published Jan. 13, 1925.
Overalls and overall jackets. Eckerling Brothers. 197,062; Apr. 7; Serial No. 205,324; published Jan. 6, 1925.
Overalls and work coats. Versailles Overall Co. 197,044; Apr. 7; Serial No. 205,718; published Jan. 13, 1925.
Overalls, jumpers, unionalls, and work shirts. Todd-Witte Dry Goods Co. 197,056; Apr. 7; Serial No. 205,454; published Jan. 6, 1925.
Overcoats and sack coats, Men's. Stein-Bloch Co. 197,050; Apr. 7; Serial No. 205,567; published Jan. 6, 1925.
Overcoats and sack coats, Men's. Stein-Bloch Co. 197,051; Apr. 7; Serial No. 205,565; published Jan. 6, 1925.
Petticoats, slips, bloomers, and pantalettes. A. Rich. 196,985; Apr. 7; Serial No. 203,691; published Jan. 13, 1925.
Shirts, pyjamas, underwear, collars, neckties, and mufflers, Men's. National Shirt Shops, Inc. 197,003; Apr. 7; Serial No. 191,501; published Apr. 8, 1924.
Shirts, Work. Reliance Manufacturing Company. 196,990; Apr. 7; Serial No. 204,378; published Jan. 13, 1925.
Shirts, Work. Salant & Salant, Inc. 197,017; Apr. 7; Serial No. 206,080; published Jan. 13, 1925.
Shoes. Holland Shoe Company. 197,057; Apr. 7; Serial No. 205,414; published Jan. 13, 1925.
Shoes and slippers, Felt. B. C. Stites. 197,000; Apr. 7; Serial No. 189,019; published Jan. 13, 1925.
Shoes, hats, coats, suits, dresses, etc. Bullock's. 196,993; Aug. 7; Serial No. 204,495; published Jan. 6, 1925.
Shoes, Leather. Buckingham & Hecht. 197,016; Apr. 7; Serial No. 206,153; published Jan. 13, 1925.
Suits, coats, trousers, and vests, Boys'. Habne & Company. 197,049; Apr. 7; Serial No. 205,598; published Jan. 13, 1925.
Suits, Men's and boys'. Auerbach & Guettel. 197,093; Apr. 7; Serial No. 192,103; published Sept. 9, 1924.
Suits, overcoats, and trousers. Finkelhor-Siesinger Company. 197,011; Apr. 7; Serial No. 200,103; published Feb. 3, 1925.

CLASS 40.

Seams, hems, welts, and overedging. Willcox & Gibbs Sewing Machine Co. 45,773; renewed Aug. 29, 1925.

CLASS 42.

Cloths, napkins, towels, and sheets. H. Jackson. 197,114; Apr. 7; Serial No. 183,154; published Aug. 5, 1924.
Cotton piece goods. Calico Printers' Association, Limited. 197,014; Apr. 7; Serial No. 206,109; published Jan. 13, 1925.
Kerchiefs and handkerchiefs. S. E. Rains. 197,045; Apr. 7; Serial No. 205,710; published Jan. 20, 1925.
Sheetings and drillings. Anderson Cotton Mills. 46,079; renewed Sept. 5, 1925.
Sheetings and drills. Brandon Mills. 46,082; renewed Sept. 5, 1925.
Silk and cotton textile fabric. Bert Levi & Co. 196,979; Apr. 7; Serial No. 201,966; published Nov. 25, 1924.
Silk, artificial-silk, cotton, etc., piece goods. Haas Brothers Fabrics Corporation. 197,052; Apr. 7; Serial No. 205,528; published Jan. 20, 1925.
Woolen cloth in the piece. F. A. Patrick & Co. 197,046; Apr. 7; Serial No. 205,663; published Jan. 20, 1925.

CLASS 45.

Beverages and aerated drinks, Preparation used in making. W. Duckworth. 26,706; renewed June 18, 1925.
Fruits, fruit sirups, flavoring extracts, etc., Crushed. John Sexton and Company. 196,995; Apr. 7; Serial No. 153,112; published July 11, 1922.

CLASS 46.

Alimentary pastes. A. Musher. 197,063; Apr. 7; Serial No. 205,287; published Jan. 20, 1925.
Butter, dressed poultry, cheese, and eggs. Minnesota Co-Operative Creameries Association, Inc. 197,022; Apr. 7; Serial No. 205,020; published Jan. 20, 1925.
Canned food products. C. S. Wyatt. 196,975; Apr. 7; Serial No. 201,477; published Jan. 20, 1925.
Canned foods, coffee, etc. Weidman, Ward & Co. 196,981; Apr. 7; Serial No. 202,537; published Jan. 20, 1925.
Canned fruits and vegetables. Bloomington Canning Co. 45,659; renewed Aug. 29, 1925.
Canned fruits and vegetables. Bloomington Canning Co. 45,678. renewed Aug. 29, 1925.
Canned fruits and vegetables, coffee, candies, etc. Weideman Company. 196,978; Apr. 7; Serial No. 201,868; published Jan. 20, 1925.
Canned ripe olives. Berkeley Olive Association. 197,039; Apr. 7; Serial No. 205,988; published Jan. 20, 1925.
Chocolate, cocoa, and preparations thereof. H. L. Pierce. 27,056–7; renewed Sept. 10, 1925.
Coffee, Blended. E. T. Smith Company. 45,542; renewed Aug. 22, 1925.
Confections, Frozen. G. Metaxas. 197,030; Apr. 7; Serial No. 204,778; published Jan. 20, 1925.
Macaroni. A. Musher. 197,064; Apr. 7; Serial No. 205,284; published Jan. 20, 1925.
Mustard and salad dressing. Charles Gulden, Inc. 196,989; Apr. 7; Serial No. 204,363; published Jan. 20, 1925.
Oats and other preparations made of oats, Groats of. O. L. Gyllenhammar. 197,094; Apr. 7; Serial No. 190,413; published Dec. 2, 1924.
Oil, Olive. Cottone Bros. 197,058; Apr. 7; Serial No. 205,394; published Jan. 20, 1925.
Oil, Olive. Westchester Macaroni Co. 197,070; Apr. 7; Serial No. 205,186; published Jan. 20, 1925.
Olives, Pickled. C. M. Gifford & Sons. 197,100; Apr. 7.
Pepper. J. H. Burden. 45,883; renewed Aug. 29, 1925.
Salad dressing and sandwich spread. H. A. Breithaupt. 196,976; Apr. 7; Serial No. 201,534; published Jan. 20, 1925.
Sirup, Table. Roddenbery Brothers. 197,035; Apr. 7; Serial No. 204,630; published Jan. 20, 1925.
Spices and mustards. McCormick & Company. 46,038; renewed Sept. 5, 1925.

Tea. Martin Gillet & Co. 45,116–17; renewed Aug. 8, 1925.
Teas, Colored Japan. E. B. Millar & Co. 45,541; renewed Aug. 22, 1925.

CLASS 47.

Wine. Empire State Wine Co. 45,545; renewed Aug. 22, 1925.

CLASS 48.

Beer. Flock Brewing Company. 45,802; renewed Aug. 29, 1925.
Beer. Chr. Heurich Brewing Co. 45,797; renewed Aug. 29, 1925.
Beer, Lager. H. Koehler & Co. 45,805; renewed Aug. 29, 1925.

CLASS 49.

Whisky. Geo. A. Dickel & Co. 44,513; renewed July 11, 1925.
Whisky. R. E. Wathen & Company. 197,129; Apr. 7.

CLASS 50.

Camp outfit, Motor. Rambler Motor Camp Products Co. 197,091; Mar. 7; Serial No. 196,017; published Jan. 13, 1925.
Cow-tail holders. L. P. Brandewie. 197,095; Apr. 7; Serial No. 188,524; published Jan. 13, 1925.
Dog house. Wayne Cunningham Box & Crate Co. 197,076; Apr. 7; Serial No. 205,590; published Jan. 13, 1925.
Feed containers and watering fountains, Animal. Ralston Purina Company. 197,097; Apr. 7; Serial No. 178,191; published Jan. 13, 1925.
Fly swatters. U. S. Manufacturing Corporation. 196,983; Apr. 7; Serial No. 203,352; published Jan. 6, 1925.
Signs, Street and road. J. L. Steffen. 197,092; Apr. 7; Serial No. 159,913; published Jan. 13, 1925.
Water and air resisting fabric for brassières, etc. Model Brassiere Co. 197,087; Apr. 7; Serial No. 201,365; published Jan. 20, 1925.

ALPHABETICAL LIST OF LABELS.

Blue Ribbon Brand. For Vanilla. H. Rosenheim. 28,529; Apr. 7.
Checkers. For Matches. Northam Trading Corporation. 28,523; Apr. 7.
Cross-Word Puzzle Bar. For 5¢ Candy Bar. Hirschler & Wood. 28,513; Apr. 7.
E-Z Paint Cleaner. For Soluble Cleaning Powder. F. Merchie. 28,519; Apr. 7.
Eagle. For Lettuce. Eagle Packing Co. 28,507; Apr. 7.
Electric Glass Cleaner. For a Liquid Cleaning Compound. Electric Glass Cleaner Co. 28,508; Apr. 7.
Faery Foam. For Toilet Preparations. Faery Foam Products Company. 28,509; Apr. 7.
Fracy Londres-Paris. For Face Powder. F. R. Arnold & Co. 28,504; Apr. 7.
Fuzzy Rolls. For Candy. J. Skutch. 28,535; Apr. 7.
Golden Glow. For Ladies', Misses', and Children's Hats. Golden Bros. 28,510; Apr. 7.
Golden Groves. For Oranges. Independent Fruit Growers, Inc. 28,514; Apr. 7.
Grey Bear. For Cigars. H. Schechtman. 28,531; Apr. 7.
Home Plate. For Canned Tomatoes. Scott-Mayer Commission Co. 28,533; Apr. 7.
If you wish me to love you you must first face powder. For Face Powder. F. R. Arnold & Co. 28,505; Apr. 7.
Interlake. For Toilet Paper. Interlake Tissue Mills Co. 28,515; Apr. 7.
Italian Bread Sticks. For Bread Sticks. A. Angonoa, Inc. 28,503; Apr. 7.
Johney's Cof-E-Zy. For Medicine. J. B. Old. 28,525; Apr. 7.
King Davids Food. For King Davids Food. A. H. Sasse. 28,530; Apr. 7.
L'Abbe's Auto and Furniture Polish. For Auto and Furniture Polish. J. A. L'Abbe. 28,516; Apr. 7.
Log Cabin. For Canned Soup. L. B. Deckard. 28,506; Apr. 7.
McQuay-Norris Motor Bearings. For Motor Bearings. McQuay-Norris Mfg. Co. 28,518; Apr. 7.
National Orotip Negative Projector Carbons. For Electric-Light Carbons. National Carbon Company. 28,520; Apr. 7.
National Sportsman. For Cigars. N. O. Swift Cigar Co. 28,537; Apr. 7.
New Jersey Copper Paint. For Paint. New Jersey Paint Works. Harry Louderbough, Inc. 28,521; Apr. 7.
Newbro's Qui-9 Hair Tonic. For Medicinal Preparation. Herpicide Company. 28,512; Apr. 7.
O-Henry. For Cigars. Peter McGuigan & Sons. 28,517; Apr. 7.
1-4-1. For Matches. Northam Trading Corporation. 28,522; Apr. 7.
Parker's Hair Dressing. For Compound for Treating the Hair. E. Parker. 28,526; Apr. 7.
Perfecto Brand Gentlemen's Fine Handkerchiefs. For Handkerchiefs. J. Silberstein. 28,534; Apr. 7.
Propp Electrical Outfit. For Electrical Christmas-Tree Outfits and Reflectors. M. Propp Company. 28,528; Apr. 7.
Purple Crest. For Toilet Paper. Tennessee Tissue Mills. 28,538; Apr. 7.
'Sing Mother! I'll play'. For Toy Pianos. A. Schoenhut Company. 28,532; Apr. 7.
Storm King. For Plastic Cement. Pioneer Paper Company. 28,527; Apr. 7.
Swedish Rye Bread. For Bread. Zinsmaster Bread Company. 28,539; Apr. 7.
Triple. For Root-Beer Sirup. Southern Beverage Company. 28,536; Apr. 7.
Tru-White. For Washing Powder. B. Heller & Company. 28,511; Apr. 7.
20th Century. For Matches. Northam Trading Corporation. 28,524; Apr. 7.

ALPHABETICAL LIST OF PRINTS.

Brigade's Base Drummer. For Ice Cream. Frederick C. Mathews Company. 7,900; Apr. 7.
Brigade's Jolly Drummer. For Ice Cream. Frederick C. Mathews Company. 7,901; Apr. 7.
Brigade's Standard Bearer. For Ice Cream. Frederick C. Mathews Company. 7,902; Apr. 7.
Century Preserved Wood Cross Ties and Timber. For Wood, Crossties, and Timber Which Have Been Treated with a Preservative. Century Wood Preserving Company. 7,892; Apr. 7.
Delicious. For Dessert Preparation. Jell-O Company. 7,898; Apr. 7.
Havana Ribbon (Indian). For Havana Ribbon Cigars. Bayuk Cigars Incorporated. 7,891; Apr. 7.
Jell-O for Salads. For Dessert Preparation. Jell-O Company. 7,894; Apr. 7.
Jell-O Macédoine. For Dessert Preparation. Jell-O Company. 7,896; Apr. 7.
(Latin) Ars Sapientia Dispensatio—(English) Art Wisdom Economy. For Automobiles. G. G. Hilton. 7,893; Apr. 7.
New creation in Candy. For Candy. L. T. Malone. 7,899; Apr. 7.
Next to myself I like 'B. V. D.' best. For Athletic Underwear. B. V. D. Company. 7,890; Apr. 7.
Orange Jell-O Cups. For Dessert Preparation. Jell-O Company. 7,897; Apr. 7.
Three Appetising Desserts. For Dessert Preparation. Jell-O Company. 7,895; Apr. 7.
Tutti-Frutti. For Chewing Gum. American Chicle Company. 7,889; Apr. 7.
White Eagle Gasoline and Oil. For Gasoline and Oil. White Eagle Oil and Refining Company. 7,904; Apr. 7.
Yankee Demonstrator. For Tools. North Bro's. M'F'G. Co. 7,903; Apr. 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Madeira, Hill & Company. 208,305; Apr. 7.
Coal. A. S. Nowlin & Compnay. 208,357; Apr. 7.
Coal. Southern Coal & Coke Company. 208,879; Apr. 7.
Pitch and tar. Grubenhols-Imprägnierung G. m. b. H. 199,475; Apr. 7.
Seed, Grass. W. N. Potter & Sons. 208,823–4; Apr. 7.
Seeds and bulbs. Williams Seed Company. 206,206; Apr. 7.
Sponges and chamois skins. James H. Rhodes & Company. 207,886; Apr. 7.

CLASS 2.

Can for soiled clothes, Sanitary. S. Lewis. 209,304; Apr. 7.
Cone dispensers. T. Adams. 209,827; Apr. 7.
Paper bags. Columbia Bag & Paper Corporation. 209,831; Apr. 7.
Paper bags. Columbia Bag & Paper Corporation. 209,833–4; Apr. 7.
Tanks, Steel. Graver Corporation. 209,786; Apr. 7.

CLASS 4.

Abrasive wheels. E. C. Atkins & Company. 208,947; Apr. 7.
Automobile top and brake dressings. H. C. Thompson. 205,246; Apr. 7.
Cleaning fluid for clothing, cloth, and furs. J. Heller. 208,395; Apr. 7.
Cleaning powder. A. D. Stewart. 206,645; Apr. 7.
Cleansing agent for cleaning fabrics and clothes. Kalle and Company Aktiengesellschaft. 209,222; Apr. 7.
Gloss, Shoe. E. C. Harley Company. 209,214; Apr. 7.
Polishes. Black-Iron Stove Polish Co. 209,618; Apr. 7.
Polishing preparation for windows, glass, etc. D. Romano. 209,941; Apr. 7.
Roller dressing for use on textile-machinery rollers. A. D. Davis. 204,703; Apr. 7.
Shoe dressing. A. G. Collias. 208,383; Apr. 7.
Shoe grease. L. O. Nelsen. 176,641; Apr. 7.
Soap. Deiclare Products Corporation of California. 208,900; Apr. 7.
Soap. Richard Hudnut. 209,478; Apr. 7.
Soap. Huntington Laboratories, Inc. 209,988; Apr. 7.
Soap. Lotus Bud Company, Inc. 209,733; Apr. 7.
Soap and cleansers, Powdered. American Silverlle Products Corporation. 197,407; Apr. 7.
Soap and sticks, Shaving. Colgate & Company. 197,585; Apr. 7.
Soaps. Société Worth. 209,715; Apr. 7.
Soaps. M. Sullivan. 165,770; Apr. 7.
Steel wool. Brillo Manufacturing Company. 199,930; Apr. 7.
Washington powders. Gold Dust Corporation. 209,910; Apr. 7.
Washing powder. Great Western Products Co. 209,842; Apr. 7.
Washing powder. B. Heller & Company. 209,657; Apr. 7.
Waxes, stains, and crayons for use on shoes. Brockton Stain Co. 205,108; Apr. 7.

CLASS 5.

Glue, glue for sealing cartons, and silicate of soda, Label. Markwell Manufacturing Co. 206,796; Apr. 7.
Puncture seal. Lightning Manufacturing Company. 200,397; Apr. 7.

CLASS 6.

Bleaching fluid and cormond water. A. J. Girouard. 199,916; Apr. 7.
Carbon, Vegetable decolorizing. Purit Maatschappij. 183,889; Apr. 7.
Coloring for meat food products. Preservaline Manufacturing Company. 209,812; Apr. 7.
Cosmetics, toilet creams, mud pack, etc. H. Baller. 208,841; Apr. 7.
Cream, hair tonic, and dandruff remedy, Cold. Ukemco Corporation. 205,499; Apr. 7.
Creams, Facial. H. M. Williamson. 209,259; Apr. 7.
Hair color restorer. Nelsine Chemical Co. 209,489; Apr. 7.
Hair tint. Guilmont & Peters. 209,913; Apr. 7.
Hair tonic. M. Murphy. 210,132; Apr. 7.
Laxative. H. Kaplan. 207,886; Apr. 7.
Lotion for the hands and face. Blaesser & Eshleman. 209,614; Apr. 7.
Lotions, Skin. C. H. Clark. 209,529; Apr. 7.
Medicinal preparation for disorders of the stomach, liver, blood, etc. Abbey-Ross Corporation. 209,116; Apr. 7.
Medicinal preparation for nervous disorders. M. Murphy. 210,131; Apr. 7.

Medicine for coughs, colds, etc. F. L. Bemis. 210,157; Apr. 7.
Medicine for coughs, colds, etc. Bransky & Harris. 209,830; Apr. 7.
Medicine for the treatment of the lungs, etc. A. E. Murrmann. 207,625; Apr. 7.
Medicinal preparation for nervous disorders. M. Murphy. 210,133; Apr. 7.
Moth-repellent compounds. Pathé Chemical Company. 208,865; Apr. 7.
Moth-repellent compounds. Pathé Chemical Company. 209,809; Apr. 7.
Mouth wash, Powder. Sal-Oris Chemical Co. 210,013; Apr. 7.
Oil compounds thereof, Essential and flower. Pierre Lemoine et Cie. 206,539–40; Apr. 7.
Oil, Extract of cod-liver. Joseph Nathan & Company. 210,180; Apr. 7.
Oils, essences, and extracts, Flower. Roure-Bertrand Fils, Inc. 206,871; Apr. 7.
Ointment. Republic International Corporation. 208,826; Apr. 7.
Ointment for neuritis, neuralgia, etc. S. S. Nelson. 208,772; Apr. 7.
Perfumery, Aromatic compounds for. Morana Incorporated. 210,130; Apr. 7.
Perfumes. M. De Foe, Inc. 209,736; Apr. 7.
Perfumes. Stein and Blaine. 209,878; Apr. 7.
Powder, Baby. Charles Ammen Company. 208,446; Apr. 7.
Powders and extracts, hair lotions, etc., Toilet. Perfumeria Gal Sociedad Anónima. 201,623; Apr. 7.
Powders, face creams, rouges, Face. A. M. Blake. 209,767; Apr. 7.
Preparation for cleaning teeth. F. C. Aubrey. 209,762; Apr. 7.
Preparation for the treatment of dyspepsia, indigestion, etc. Radway & Company. 206,548; Apr. 7.
Preparation for treatment of pyorrhea and kindred diseases. J. A. Standish. 208,830; Apr. 7.
Preparations for softening the fiber of textile fabrics. Textile Fnishing Products, Inc. 210,022; Apr. 7.
Preparations for treatment of diseases of the liver. C. F. Simmons Medicine Co. 210,015–16; Apr. 7.
Protein product for nursing mothers. E. T. Pearson Corporation. 208,774; Apr. 7.
Salt, Physiological. Nutrasal Laboratories, Incorporated. 208,254; Apr. 7.
Salve and liniment. E. Miller. 206,258; Apr. 7.
Shampoo. Guaranteed Products Corporation. 209,787; Apr. 7.
Shampoo, face lotion, bath crystals, tooth paste, etc. B. W. Langman. 206,415; Apr. 7.
Shampoo preparation. Ukemco Corporation. 194,033; Apr. 7.
Silicate of sodium and aluminum, Double. American Doucil Company. 210,110; Apr. 7.
Soldering fluid. J. Firth. 209,339; Apr. 7.
Solutions for the mouth and throat. B. B. Douglas. 209,566; Apr. 7.
Sterilizing, disinfecting, deodorizing, and destroying insects, Spray used for. Lacko Specialty Co. 208,299; Apr. 7.
Suppositories, Vaginal. M. I. Livy. 206,319; Apr. 7.
Tablets for dogs, Condition and tonic. Sacol Laboratory. 208,613; Apr. 7.
Tablets, Nerve. Carey Medical Corporation. 208,370; Apr. 7.
Toilet water, scalp pomade, shampoo, etc. Los Angeles Barber Supply Co. 209,488; Apr. 7.
Toilet waters, perfumes, and creams. C. H. Dent. 208,574; Apr. 7.
Tonic, General. F. Gil. 202,700; Apr. 7.
Venereal-disease preventives. J. Sunshine. 209,505; Apr. 7.

CLASS 7.

Twine. L. Hyman & Sons. 207,575; Apr. 7.

CLASS 8.

Pipes, cigar and cigarette holders, Tobacco. W. Hendrikx. 206,524; Apr. 7.

CLASS 11.

Paper, Carbon. Chemical Process Corporation. 199,820; Apr. 7.

CLASS 12.

Cement for building purposes, Acid-proof. Neuhaus-Kuoch Chemical Corporation. 209,099–100; Apr. 7.
Doors, blinds, partitions, and wardrobes. J. G. Wilson Corporation. 208,088; Apr. 7.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 13.

Metal eyelets and washers, hamper and meat hooks, meat skewers, etc. Markwell Manufacturing Co. 206,792; Apr. 7.

CLASS 15.

Gasoline, kerosene, oils, etc. Skelly Oil Company. 208,877; Apr. 7.
Grease. Galena Manufacturing Company. 209,804; Apr. 7.
Oil, Lubricating. Sun Oil Company. 208,021; Apr. 7.
Oils and greases, Lubricating. Tiona Oil Company of Maryland, Inc. 209,598; Apr. 7.
Oils and lubricating greases, Fuel and lubricating. Vesdal Creations, Inc. 207,601; Apr. 7.
Oils, Motor fuel. Ethyl Gasoline Corporation. 205,864; Apr. 7.
Oils, Petroleum-product. Pierce Petroleum Corporation. 205,776; Apr. 7.

CLASS 16.

Colors, Artists'. Talens & Son, Inc. 208,079; Apr. 7.
Lacquers, Nitrocellulose. Murphy Varnish Company. 202,136; Apr. 7.
Oil for use in paints and varnishes, Pine. Acme Products Company. 207,541; Apr. 7.
Paints, Asphaltic. Herock Manufacturing Company. 207,188; Apr. 7.
Polish. F. A. Reid. 208,533; Apr. 7.
Polish, Piano and automobile. G. T. Manley. 198,578; Apr. 7.
Polishes. Furniture and automobile. H. W. Lester. 204,859; Apr. 7.
Varnish. W. de Graaf. 207,855; Apr. 7.

CLASS 17.

Cigarettes. Reed Tobacco Company. 209,107; Apr. 7.
Cigars. W. P. Danforth. 208,796; Apr. 7.
Cigars, cigarettes, and tobacco. Vetterlein Brothers Inc. 200,591; Apr. 7.

CLASS 21.

Armatures, buttons, fuse blocks, etc. Bakelite Corporation. 202,578; Apr. 7.
Batteries, Automobile and radio storage. General Storage Battery Co. 209,647; Apr. 7.
Brushes for motors and dynamos. Kohlenito Products Co. 209,090; Apr. 7.
Current rectifiers, storage batteries, and parts thereof. Cleveland Engineering Laboratories Company. 199,933; Apr. 7.
Electric-lighting fixtures. Colonial Lamp & Fixture Works. 153,541; Apr. 7.
Photographs electrically, Machines and apparatus for distance transmission of. Pacific & Atlantic Photos, Inc. 207,629; Apr. 7.
Radio loud speakers, transformers, etc. Inter-State Radio Co. 201,959; Apr. 7.
Radio products, apparatus, and appliances. Standard Radio Corporation. 208,784; Apr. 7.
Radio receiving sets and parts thereof. Autometal Corporation. 209,194; Apr. 7.
Radio receiving sets and parts thereof. Crosley Manufacturing Company. 209,077; Apr. 7.
Radio receiving sets and parts thereof. Ramstone Corporation. 209,106; Apr. 7.
Radio receiving sets and parts thereof. Selectrol Radio Corporation. 207,631; Apr. 7.
Radio sets and apparatus. American Interstate Radio Service. 206,760; Apr. 7.
Radio sets and apparatus. W. Kranz. 205,879; Apr. 7.
Transformers. Precise Instrument Company. 208,777; Apr. 7.
Wires and templates and instructions for building radio sets, Kits containing flexible. S. Newman. 209,283; Apr. 7.

CLASS 22.

Game. Crosswords Company. 209,078; Apr. 7.
Games. W. Peles. 209,810; Apr. 7.
Sleds. American Toy & Novelty Works, Inc. 209,716; Apr. 7.
Striking bag, racket cover, balls, etc. L. A. Olmsted. 170,667; Apr. 7.

CLASS 23.

Centrifugal machines. Sharples Specialty Co. 209,180; Apr. 7.
Churns, milk clarifiers, cream separators, etc. D. H. Burrell & Co. 192,598; Apr. 7.
Clippers and neck shavers, Hair and beard. A. Coppel. 207,493; Apr. 7.
Graders, Road. Gallon Iron Works & Mfg. Co. 209,341; Apr. 7.
Knives, cord cutters, stapling machines, clamping benches, etc. Markwell Manufacturing Co. 206,794; Apr. 7.
Presses for embossing, marking, printing, and stamping. A. M. Kennedy & Co. 207,789; Apr. 7.
Tractors. Clark Tructractor Company. 209,461; Apr. 7.

CLASS 24.

Washing machines. Altorfer Bros. Co. 207,643; Apr. 7.

CLASS 26.

Feet, hands, and other portions of the body, Devices for measuring the. Arrowsmith Manufacturing Company. 192,888; Apr. 7.
Gauge glasses. Crandall Packing Company. 209,203; Apr. 7.

CLASS 27.

Watches. Buss-Linthicum-Thorson, Inc. 207,965; Apr. 7.

CLASS 29.

Brooms. American Broom and Brush Co. 209,892; Apr. 7.
Brooms. National Broom Manufacturing Co. 209,679; Apr. 7.
Brooms. Twinko Manufacturing Company. 209,508; Apr. 7.

CLASS 32.

Davenports, chairs, tables, etc. Ernest J. Sultan Manufacturing Co. 209,820; Apr. 7.
Divans and chairs, Upholstered. Koerner Furniture Manufacturing Company. 206,173; Apr. 7.
Furniture and fixtures for banks, stores, offices, and jewelry establishments. Georgia Show Case Co. 174,204; Apr. 7.
Pillows. Chas. Emmerich & Co. 209,390; Apr. 7.

CLASS 33.

Glass reflectors. Reflector & Illuminating Co. 208,998; Apr. 7.

CLASS 34.

Lighting devices, Cigar and cigarette. E. & J. Bass, Inc. 207,118; Apr. 7.
Liquid-fuel-burning apparatus. C. U. Williams & Son. 199,664; Apr. 7.
Stoves. Crescent Stove Works. 208,959; Apr. 7.
Stoves, Cooking. M J R Metallwarenfabrik Josef Rosenthal Aktiengesellschaft. 196,468; Apr. 7.
Welding and cutting apparatus, Oxyacetylene. Air Reduction Company. 207,221; Apr. 7.

CLASS 35.

Tires and fabric belting, Woven cord fabrics for use in the manufacture of. Textile Development Corporation. 191,102; Apr. 7.

CLASS 36.

Sound magnifying and amplifying devices, Electrical. Magnavox Company. 170,588; Apr. 7.

CLASS 37.

Calendars, letterheads, writing paper, envelopes, etc. Typo Trading Corporation. 201,884; Apr. 7.
Duplicators, Revolving. Felix F. Daus Duplicator Company. 207,854; Apr. 7.
Paper and tablets. R. H. Macy & Co. 206,176; Apr. 7.
Paper, Writing. Fox River Paper Company. 204,550; Apr. 7.
Tags. Dennison Manufacturing Company. 208,283; Apr. 7.

CLASS 38.

Books, Puzzle. J. E. Austrian. 205,982; Apr. 7.
Cartoons, Series of. D. T. Fisher, jr. 208,287; Apr. 7.
Magazine, Monthly. L. J. Hennessey. 208,656; Apr. 7.
Magazine, Monthly. Review of Reviews Corporation. 208,313; Apr. 7.
Magazines. S. Kellogg, jr. 208,248; Apr. 7.
Musical compositions and publications. Duncan Sisters Music Publishers. 204,310; Apr. 7.
Newspaper comic strip. Press Publishing Company. 195,729–32; Apr. 7.
Publication. W. B. Keller Publishing Co. 205,926; Apr. 7.
Publication, Name of. Newspaper Advertiser Publishing Company. 208,604; Apr. 7.
Publications or booklets. Drug Products Co. 208,386; Apr. 7.
Publications, Periodical. R. A. Carlson. 209,137; Apr. 7.
Signs and display cards, Advertising. Western Lithograph Company. 206,814; Apr. 7.

CLASS 39.

Boots and shoes. Louis W. Gordon Co. 176,339; Apr. 7.
Caps and hats, Men's. U-Profit Manufacturing Co. 209,256; Apr. 7.
Dress patterns of voile, etc. York Manufacturing Co. 208,543; Apr. 7.
Dresses and frocks. Sherr Bros. 209,754; Apr. 7.
Fur coats, boas, collars, and stoles. M. Susser. 208,078; Apr. 7.
Garment, Men's working. Whitcher & Co. 194,393; Apr. 7.
Girdles, Elastic. Perfolastic, Inc. 210,312; Apr. 7.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Gloves, Leather and kid. Steinberger Bros. Lobl Co. 178,778–9; Apr. 7.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 205,827–9; Apr. 7.
Hats. N. Fransblau. 209,781; Apr. 7.
Hats and caps, Men's. Joseph E. Ward (Bredbury) Limited. 207,277–8; Apr. 7.
Hosiery. T. E. Brown. 192,062; Apr. 7.
Hosiery. Fashion Wear Hosiery Company. 209,028; Apr. 7.
Hosiery. Licht Brothers & Company. 171,463; Apr. 7.
Hosiery. Philadelphia Hosiery Mills. 208,675; Apr. 7.
Millinery. S. Katzin. 207,996; Apr. 7.
Mittens, Oven. C. J. Nadherny. 208,993; Apr. 7.
Mufflers. Weiss & Zahler. 209,513; Apr. 7.
Neckties. J. McCurrach & Brother. 209,739–40; Apr. 7.
Neckwear, Men's. National Shirt Shops, Inc. 208,819; Apr. 7.
Publication, Monthly. Brotherhood Investment Company. 198,449; Apr. 7.
Rubber heels and soles. Holtite Manufacturing Co. 208,900; Apr. 7.
Shoes, boots, and slippers. Scholl Manufacturing Company. 199,253; Apr. 7.
Shoes, Men's. Associated Merchandising Corporation. 210,216; Apr. 7.
Suits, overcoats, trousers, and raincoats. Samuel Yatter Co. 208,885; Apr. 7.
Suits, vests, coats, and trousers. John B. Manly Company. 207,085; Apr. 7.
Sweaters. Manhattan Knitting Mills. 209,799; Apr. 7.
Swimming suits. Manhattan Knitting Mills. 209,132; Apr. 7.
Underwear, Men's. National Shirt Shops, Inc. 208,602; Apr. 7.
Wearing apparel, Athletic. J. W. Dwyer. 192,068; Apr. 7.

CLASS 40.

Buttons, Collar. Celluloid Company. 209,385; Apr. 7.
Dress shields. I. B. Kleinert Rubber Company. 210,172–3; Apr. 7.
Hair curlers. C. Laufe. 203,578; Apr. 7.
Hair goods. Yvette Co. 210,262; Apr. 7.
Hair pieces, Auxiliary. Hyman & Oppenheim. 208,142; Apr. 7.
Tape, Bias. Percy Gardner Corporation. 189,140; Apr. 7.
Tape, Bias-fold. David Caplan Co. 209,200; Apr. 7.
Tape, Cotton. Federal Yarn Corporation. 193,036; Apr. 7.
Transformations and wigs. L. Ruffo. 207,406; Apr. 7.

CLASS 42.

Cloths and dusters, Untreated textile polishing. Jones Brothers, Limited. 188,372; Apr. 7.
Cotton piece goods. American Bleached Goods Company. 184,200; Apr. 7.
Cotton piece goods. John King & Son. 201,145; Apr. 7.
Cotton piece goods. M. H. Oppenheimer & Co. 209,866; Apr. 7.
Cotton piece goods. Thomas, Lake & Whiton, Inc. 208,265; Apr. 7.
Fabrics made of wool and silk yarns. Monomac Spinning Company. 209,308; Apr. 7.
Flannel piece goods and knitted fabrics. C. H. Lawrence. 207,938; Apr. 7.
Handkerchiefs. Butler Brothers. 209,978; Apr. 7.
Handkerchief. Strauss Bros. & Co. 209,709; Apr. 7.
Ribbons in the piece. R. H. Macy & Co. 194,553; Apr. 7.
Rugs, mats, and laces. Pacific Orient Company. 207,755; Apr. 7.
Textile fabrics. Eagle Piece Dye Works. 204,590; Apr. 7.
Towels, Cotton. H. E. Reich. 208,068; Apr. 7.
Wool cloth for suits, overcoats, and wearing apparel. Ford Naylor, Inc. 209,178; Apr. 7.
Wool, cotton, and silk and mixtures of the same, Piece goods of. Societe Rodier. 206,546; Apr. 7.
Woolen piece goods. Forstmann & Huffmann Company. 209,634; Apr. 7.

CLASS 44.

Feet, Supports for the arches and other parts of the. Arrowsmith Manufacturing Company. 192,881; Apr. 7.
Manicure sets. Northam Warren Corporation. 209,186; Apr. 7.
Plasters and pads for treating abnormal growths and conditions of the feet. Arrowsmith Manufacturing Company. 192,878; Apr. 7.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 192,875; Apr. 7.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 192,877; Apr. 7.

CLASS 45.

Beverages and extracts and sirups for making same. Orange Frost Company. 205,773; Apr. 7.

CLASS 46.

Bread for infants and invalids, Prepared. Société l'Aliment Essential. 204,794; Apr. 7.
Cake. S. L. Domminey. 209,025; Apr. 7.
Candy. Foster Honey and Mercantile Co. 200,677; Apr. 7.
Candy. Robt. F. Mackenzie Co. 192,404; Apr. 7.
Candy. Sterling Chocolate Co., Inc. 209,708; Apr. 7.
Candy. Sweets Company of America, Incorporated. 204,379; Apr. 7.
Canned goods, condensed milk, potted meat, etc. W. H. Dunne Co. 205,000; Apr. 7.
Canned goods, marmalades, coffee, tea, etc. Frank C. Weber & Company. 200,128; Apr. 7.
Canned shrimp. Marine Products, Incorporated. 190,262; Apr. 7.
Canned spiced fish meats. Bosence & Eaton. 208,504; Apr. 7.
Coffee. Berdan Co. 208,220; Apr. 7.
Coffee, tea, food-flavoring extracts, and spices. St. Louis Coffee & Spice Mills. 192,504; Apr. 7.
Confection. P. Pickett. 208,007; Apr. 7.
Eggs. Challenge Cream and Butter Association. 208,640; Apr. 7.
Eggs and poultry. C. R. Holmes. 208,521; Apr. 7.
Flour, cereal breakfast food, poultry and stock feeds, Wheat and pancake. Cherry City Milling Company. 207,615; Apr. 7.
Flour, Wheat. Birdseye Flour Mills. 204,004; Apr. 7.
Flour, Wheat. Miner-Hillard Milling Co. 207,624; Apr. 7.
Flour, Wheat. Star Milling Company. 164,686; Apr. 7.
Flour, Wheat. Wilcox-Hayes Co. 207,638; Apr. 7.
Food, Cereal breakfast. Kellogg Company. 185,182; Apr. 7.
Food, Poultry and stock feeding. Western Maryland Dairy. 209,072; Apr. 7.
Fruits. Pelling, Stanley & Co. Ltd. 202,638; Apr. 7.
Fruits, fresh grapes, fresh citrous fruits, melons, and eggs and dressed poultry, Fresh deciduous. J. J. Graves. 208,894; Apr. 7.
Ham, bacon, and sausage. Chandler and Rudd Company. 196,431; Apr. 7.
Ice cream. Wheat's Ice Cream Company. 208,627; Apr. 7.
Ice in a cone, Shaved. Tru-Fruit Mfg. Co. 198,430; Apr. 7.
Icing preparations, food-flavoring extracts, and baking mixtures for cakes. Grennan Cake Corporation. 190,407; Apr. 7.
Marmalades, butters, preserves, and jellies, cranberry sauce, etc., Fruit. John Sexton and Company. 187,898; Apr. 7.
Mayonnaise and salad dressings, corn-meal mush, tartar sauce, etc. E. M. Eba. 206,225; Apr. 7.
Oil, Chocolated cod-liver. Scientific Products, Inc. 206,597; Apr. 7.
Oils, Olive. F. S. Rivera. 207,686; Apr. 7.
Oleomargarine. John F. Jelke Company. 209,217–8; Apr. 7.
Pickles, chowchow, pickled onions, canned baked beans, etc. H. J. Heins Company. 207,017; Apr. 7.
Pie fillings, cream filling and jelly powder. Columbia Food Products Co. 207,709; Apr. 7.
Sandwiches, Toasted. King Bun Company. 206,672; Apr. 7.
Sirup. Union Starch & Refining Company. 203,913–15; Apr. 7.
Sirup, Corn. Union Starch & Refining Company. 203,919; Apr. 7.
Sirup, Malt. P. A. Horback. 207,934; Apr. 7.
Sirups. H. T. Cottam & Company. 208,572; Apr. 7.
Sirups, Almond table. E. V. La Fontaine. 184,400; Apr. 7.
Stearine for food purposes, Deodorized, vegetable. Procter and Gamble Company. 208,312; Apr. 7.
Tea, coffee, flavoring extracts, spices, cocoa, etc. Athletic Tea Co. 164,841; Apr. 7.
Tinned and preserved fish and meat, fish and meat balls, sausage, farce fish and meat. A/S Firda. 204,590; Apr. 7.

CLASS 50.

Leather fabric, Imitation-. Western Shade Cloth Company. 207,701; Apr. 7.
Letters for changeable signs, Celluloid. Tablet & Ticket Company. 199,331; Apr. 7.
Shoe-trees. J. Goldsmith, jr. 209,083; Apr. 7.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 7TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Adams, Alfred R., Detroit, Mich. Reserve-supply-trapping means for gasoline tanks. 1,532,852; Apr. 7.
Adelson, Sophia, New York, N. Y. Ironing board. 1,532,978; Apr. 7.
Andrema Maschinenbau G. m. b. H. (See Deutsch, Hermann, assignor.)
Actien Gesellschaft für Anilin Fabrikation. (See Hohmann, Wilhelm, assignor.)
Actien Gesellschaft für Anilin Fabrikation. (See Spengler, O., and Thurm, assignors.)
Aguilar, Salvador S., San Francisco, Calif. Combination halter and bridle. 1,532,853; Apr. 7.
Ahlmann, Nikolai, Copenhagen, Denmark. Agglomerating ore and the like. 1,532,113; Apr. 7.
Aikman, Burton S., Whitefish Bay, assignor to National Brake & Electric Company, Milwaukee, Wis. Control system for compressors and the like. Re16,041; Apr. 7.
Akemann, Walther, Berlin-Dahlem, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Fire-control apparatus for naval guns. 1,532,794; Apr. 7.
Alber, Joseph J., and C. E. Dougherty, Brooklyn, N. Y. Hanger for displaying dressed poultry. 1,532,974; Apr. 7.
Aldinger, Robert A., Town Line, N. Y. Highway snowplow. 1,532,567; Apr. 7.
Allen, Joseph W., et al. (See Camden, Andrew B., assignor.)
Allen, S. H., et al. (See Camden, Andrew B., assignor.)
Altwegg, Jean, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Preparation of alkylamine salts of the 4-hydroxy-3-acylamino-phenylarsonic acids. 1,532,361; Apr. 7.
American Balsa Wood Corporation. (See Broady, Harry W., assignor.)
American Can Company. (See Stollberg, Charles, assignor.)
American Chain Company. (See Weed, Harry D., assignor.)
American Chicle Company. (See Van Buren, John, assignor.)
American Cotton Oil Company, The. (See Gottschalk, Victor H., assignor.)
American Hoist & Derrick Company. (See Sederholm, John E., assignor.)
American Hotel Register Company. (See Hall, William H., assignor.)
American Rubber Company. (See Dennison, Charles H., assignor.)
American Standard Watch Case Company. (See Moylan, George D., assignor.)
American Telephone and Telegraph Company. (See Best, Fred H., assignor.)
American Telephone and Telegraph Company. (See Carson, John R., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Tube & Stamping Company, The. (See Keating, D. A., and Tatem, assignors.)
American Voith Contact Company. (See Rabus, Wilhelm, assignor.)
Andersen, Albert, and W. A. Chapin, assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,532,854; Apr. 7.
Anderson, Carl E., Stratford, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,532,855; Apr. 7.
Anderson, George F., Oklahoma City, Okla. Dispensing attachment for bottles. 1,532,975; Apr. 7.
Andes, Myrtle A., Huntington, W. Va. Music-roll receptacle. 1,532,496; Apr. 7.
Andreani, Findley E., Los Angeles, Calif., assignor to United States Bumper Co. Vehicle bumper. 1,532,218; Apr. 7.
Andren, Birger T., and J. Dilot, assignors to A. O. Smith Corporation, Milwaukee, Wis. Pressure-relieving means for drawing presses. 1,532,856; Apr. 7.
Andrew, James D., Englewood, N. J., assignor, by mesne assignments, to Welin Davit & Boat Corporation, Engaging and disengaging gear for ships' boats. 1,532,857; Apr. 7.
Annert, August W., Jersey City, N. J. Cleaning apparatus for water mains. 1,532,976; Apr. 7.
Anthony, Eugene, near Seattle, Wash. Controller for electrically-heated flatirons. 1,532,210; Apr. 7.
Antisell, Frank L., Perth Amboy, N. J. Skewback for furnaces. 1,532,568; Apr. 7.

Armentrout, Arthur L., Whittier, Calif., assignor of one-half to The Guiberson Corporation, Dallas, Tex. Piston. 1,532,293; Apr. 7.
Armstrong Cork Company. (See Busch, Herman F., assignor.)
Armstrong, John N. (See Hayes, W. F., and Armstrong.)
Arrouses, Frank P., and W. C. Hollins, Los Angeles, Calif. Plug box and plug. 1,532,220; Apr. 7.
Arundel, Thomas E., assignor of one-fourth to G. D. Shipherd and one-fourth to W. H. Metcalfe, Omaha, Nebr. Detector. 1,532,070; Apr. 7.
Atlas Powder Company. (See Djidics, Alexander, assignor.)
Atwood, Harry N., and G. B. Bains, 3d, Reading, Pa., assignors to Rubwood, Inc., Lawrence, Mass. Laminated landing wheel or the like. 1,532,725; Apr. 7.
Atwood, Harry N., Monson, assignor to Rubwood, Inc., Lawrence, Mass. Composite vehicle wheel. 1,532,977; Apr. 7.
Augenbraun, Peter F., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Automobile door lock. 1,532,294; Apr. 7.
Automatic Electric Company. (See Andersen, A., and Chapin, assignors.)
Automatic Electric Company. (See Baer, Fred L., assignor.)
Automatic Electric Company. (See Blessing, John G., assignor.)
Automatic Electric Company. (See Erickson, John, assignor.)
Automatic Electric Company. (See Richardson, Rodney G., assignor.)
Automatic Electric Company. (See Smith, S. R., and Savin, assignors.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Avera, Edgar L., assignor to Interlocking Toggle Rim Company, Inc., Fort Valley, Ga. Automobile tire rim. 1,532,569; Apr. 7.
Bachmann, Edouard J. (See Ledru, M. J. L., and Bachmann.)
Bacon, Raymond F., New York, and C. H. Kidwell, New Brighton, N. Y., assignors to J. M. Van Heusen, Boston, Mass. Treatment of fabrics and the like. 1,532,114; Apr. 7.
Bacon, Raymond F., Pittsburgh, Pa., assignor, by mesne assignments, to The Fleischmann Co. Manufacture of yeast. 1,532,858; Apr. 7.
Badische Anilin- & Soda-Fabrik. (See Metzger, Richard, assignor.)
Badische, Anilin- & Soda-Fabrik. (See Meyer, K., and Orthner, assignors.)
Baer, Fred L., La Grange, assignor to Automatic Electric Company, Chicago, Ill. Calling device. 1,532,643; Apr. 7.
Bailey, Paul, Berkeley, Calif. Liquid meter. 1,532,295; Apr. 7.
Bailey, V. W., et al. (See Meredith, William, assignor.)
Bailey, William, Cleveland, Ohio. Armor coat. 1,532,382; Apr. 7.
Bains, George B., 3d. (See Atwood, H. N., and Bains.)
Baker, William H., Montreal, Quebec, Canada. Protecting warps from damage in looms. 1,532,667; Apr. 7.
Baker, William H., Montreal, Quebec, Canada. Protecting warps from damage in looms. 1,532,668; Apr. 7.
Balaban, Leon, Berlin-Friedenau, Germany. Circular wall. 1,532,978; Apr. 7.
Balch, Frank, Salem, Mass. Fluorescent screen and making same. 1,532,795; Apr. 7.
Balch, Frank, Salem, Mass. Fluorescent screen. 1,532,796; Apr. 7.
Balch, William H., Philadelphia, Pa. Self-defense shooting device. 1,532,859; Apr. 7.
Balderston, William. (See Graves, J., Balderston, and McEachron.)
Ball, Bert G., et al. (See Kinsella, William P., assignor.)
Balthasar, John and A. Viola, Jersey City, N. J. Air-supply and automatic control for furnace doors. 1,532,296; Apr. 7.
Baltimore Gas Engineering Corporation. (See Wilson, Robert E., assignor.)
Bamford, Arthur P., Irvington, N. J. Signal means for automobiles and the like. 1,532,221; Apr. 7.
Bankers Savings and Credit System Company, The. (See Kidwell, James A., assignor.)

Barbour, Russell C., Corsicana, Tex. Fishing tool. 1,532,979; Apr. 7.

Barker, Benjamin F., El Paso, Tex., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,115; Apr. 7.

Barksdale, Isaac R., and E. M. O'Connell, Glendale, assignors to C. C. Rambo and B. T. Wood, Los Angeles, Calif. Attachment for ironing presses or machines. 1,532,860; Apr. 7.

Barnett, John R., Cairo, Ill. Machine for making dovetail slots. 1,532,467; Apr. 7.

Bartels, Reinhard E., Lynn, Mass. Apparatus for attaching shoe parts. 1,532,861; Apr. 7.

Bartels, Reinhard E., Lynn, Mass. Fixing shank stiffeners in shoes. 1,532,862; Apr. 7.

Barteski, Emil A., St. Louis, Mo. Shooting apparatus. 1,532,669; Apr. 7.

Bartold, Samuel E., Chicago, Ill. Calendar-pad fastener. 1,532,863; Apr. 7.

Basham, Joseph F., assignor, by mesne assignments, to Evansville Tool Works, Incorporated, Evansville, Ind. Wedge for tool handles. 1,532,864; Apr. 7.

Basmaison, Pierre, San Francisco, Calif. Scraper. 1,532,570; Apr. 7.

Bastien, Paul, assignor to The Rubay Company, Cleveland, Ohio. Braking mechanism. 1,532,644; Apr. 7.

Batchelder, Edward C., assignor to Morley Button Manufacturing Company, Portsmouth, N. H. Clutch. 1,532,116; Apr. 7.

Batchelder, Edward C., assignor to Morley Button Manufacturing Company, Portsmouth, N. H. Severing mechanism for wet-paper machines. 1,532,117; Apr. 7.

Bausch, Carl L., and E. Hart, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Calipers. 1,532,297; Apr. 7.

Bausch & Lomb Optical Company. (See Bausch, C. L., and Hart, assignors.)

Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Apparatus for coating confections. 1,532,797; Apr. 7.

Bawden, Samuel, Oakland, Calif. Rock-drill bit. 1,532,468; Apr. 7.

Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Tar extractor. 1,532,118; Apr. 7.

Bechaud, Leslie J., Coalinga, Calif. Tubing support. 1,532,670; Apr. 7.

Beck, Milo H., Oilton, Okla. Traffic signal. 1,532,865; Apr. 7.

Becker, Edmund H. (See Martus, M. L., Becker, and Schoenmehl.)

Becker, Leonard, Wiesbaden, Germany. Vaporizer for internal-combustion engines. 1,532,866; Apr. 7.

Bedford, Clayton W., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Vulcanizing rubber. 1,532,645; Apr. 7.

Bedford, Clayton W., Akron, Ohio, and R. L. Sibley, Elizabeth, N. J., assignors to The Goodyear Tire & Rubber Company, Akron, Ohio. Thiocarbanilide derivative. 1,532,646; Apr. 7.

Bedingfield, John A., Fort Valley, Ga., assignor to Interlocking Toggle Rim Company. Automobile tire rims. 1,532,571; Apr. 7.

Belding, Warren S., Philipsburg, Pa. Rifle-cleaning-rod tip. 1,532,222; Apr. 7.

Belding, Warren S., Philipsburg, Pa. Stop collar for rifle-cleaning rods. 1,532,223; Apr. 7.

Bell, Charles A., Medina, N. Dak. Combined collar button and tie fastener. 1,532,168; Apr. 7.

Benjamin, Bert R., Oak Park, Ill., assignor, by mesne assignments, to International Harvester Company. Controlling mechanism for harvesters. 1,533,057; Apr. 7.

Bennett, Alan M. (See Brown, H. A., and Bennett.)

Bennett, Albert J., Chicago, Ill. Waist-belt holder. 1,532,671; Apr. 7.

Bennett, George S. and L. L., Massena, N. Y. Faucet. 1,533,077; Apr. 7.

Bennett, Louis L. (See Bennett, George S. and L. L.)

Berg, John, assignor to Metal Specialties Mfg. Company, Chicago, Ill. Motor-vehicle visor. 1,532,726; Apr. 7.

Berger, Otto A. R., Chicago, Ill. Cigar-light extinguisher. 1,532,363; Apr. 7.

Bergman, Lars H., assignor to Raymond Bros. Engineering Co., Chicago, Ill. Method of and apparatus for preparing, feeding, and burning pulverized fuel. 1,532,647; Apr. 7.

Berman, Oscar A., Cincinnati, Ohio. Manufacture of condensers. 1,532,364; Apr. 7.

Bertona, Salvatore, New York, N. Y. Artificial-flower machine. 1,532,672; Apr. 7.

Bertrand, Joseph H., jr., Albany, N. Y. Automobile bumper. 1,532,673; Apr. 7.

Besso, Michele A., Rome, Italy, and F. P. Habicht, Schwanden, Switzerland. Making cloth substitute. 1,532,648; Apr. 7.

Best, Fred H., Westfield, N. J., assignor to American Telephone and Telegraph Company. Measuring transmission. 1,532,169; Apr. 7.

Bieber, Charles P., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fiber-beating machine. 1,532,649; Apr. 7.

Bienvenu, Achille, Montreal, Quebec, Canada. Carton. Des. 66,963; Apr. 7.

Bigelow-Bruno Manufacturing Company. (See Bruno, Carl O., assignor.)

Bilger, Harry E., Chicago, Ill. Form. 1,532,365; Apr. 7.

Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Radiator for transformer tanks. 1,532,887; Apr. 7.

Bishop, Fred A., Petersburg, Va. Antiglare headlight. 1,532,980; Apr. 7.

Bixler, Claude V., Frankfort, Ky. Radiator. 1,532,727; Apr. 7.

Black, Lee J., Beaumont, Tex. Wrench. 1,532,469; Apr. 7.

Black, Lee J., Beaumont, Tex. Hydraulic rotary coretaking device. 1,533,078; Apr. 7.

Blackburn, Jasper, Webster Groves, Mo. Braking device. 1,532,868; Apr. 7.

Blackburn, Jasper, St. Louis, Mo. Side closure for automobiles. 1,532,869; Apr. 7.

Blackburn, Jasper, Webster Groves, Mo. Braking device. 1,532,870; Apr. 7.

Blackett, Victor S., Moncton, New Brunswick, Canada. Track supporting device. 1,532,981; Apr. 7.

Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Vehicle having brakes. 1,532,470; Apr. 7.

Blair, Robert S., Sound Beach, Conn. Current-collecting apparatus. 1,532,224; Apr. 7.

Blakeslee, Howard R. (See Bouillon, C., and Blakeslee.)

Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,532,674; Apr. 7.

Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,532,675; Apr. 7.

Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,532,676; Apr. 7.

Blessing, John G., assignor to Automatic Electric Company, Chicago, Ill. Automatic calling device. 1,532,677; Apr. 7.

Bloch, Franz G., Boblingen, Germany. Level-indicating device. 1,532,871; Apr. 7.

Blom, Albert, Stockholm, Sweden. Refrigerating arrangement for drinks and food. 1,532,982; Apr. 7.

Bloom, David, Berkeley, Calif. Basket. 1,532,298; Apr. 7.

Blum, Hosmer, San Francisco, Calif. Washing machine. 1,532,366. Apr. 7.

Bockman, William H., North Webster, Ind. Rowlock. 1,532,367; Apr. 7.

Bodkin, John A., New York, N. Y. Tie plate and rail anchor. 1,532,983; Apr. 7.

Boehringer, John A., Springfield, N. Y. Lighting-fixture arm. Des. 66,964; Apr. 7.

Boehringer, John A., Springfield, N. Y. Lighting-fixture arm. Des. 66,965; Apr. 7.

Boehringer, John A., Springfield, N. Y. Lamp husk for lighting fixtures. Des. 66,966; Apr. 7.

Bold, Frederick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Fuse. 1,532,369; Apr. 7.

Bold, Fredrick W., Chelsea, assignor to C. H. Pearson, Brookline, Mass. Fuse. 1,532,368; Apr. 7.

Bonsall, Charles D., Pittsburgh, assignor to P. H. Murphy Company, New Kensington, Pa. Car roof. 1,532,872; Apr. 7.

Boom, Clifford A., Flint, assignor to General Motors Corporation, Detroit, Mich. Vehicle having brakes. 1,532,471; Apr. 7.

Booth, James S., Detroit, Mich. Vehicle spring. 1,532,678; Apr. 7.

Borduas, Hyacinthe O., Montreal, Quebec, Canada. Spinning wheel. 1,532,618; Apr. 7.

Borg & Beck Company. (See Nelson, Gustave C., assignor.)

Borthwick, Craigie G., Edinburgh, Scotland. Device for use in practicing the game of golf. 1,532,984; Apr. 7.

Borroughs, Joseph N., Oakland, Calif. Towel cabinet. 1,532,370; Apr. 7.

Bouffart, Maurice, Herstal, Belgium. Pressure-indicating apparatus. 1,532,170; Apr. 7.

Bouillon, Constant, and H. R. Blakeslee, assignors to The Hendey Machine Company, Torrington, Conn. Lathe attachment. 1,532,798; Apr. 7.

Boulden, Edward W., and C. J. Cowles, Sioux City, Iowa. Safety appliance for railway trains. 1,532,119; Apr. 7.

Bradley, Albert E., Bridgeport, Conn. Cue tip. 1,532,985; Apr. 7.

Bradley, George W., West Paterson, N. J. Golf club. 1,532,679; Apr. 7.

Braecklein, Alfred H., assignor of one-half to M. A. Braecklein, Baltimore, Md. Surgical device. 1,532,209; Apr. 7.

Braecklein, Marguerite A. (See Braecklein, Alfred H., assignor.)

Branson, Verne L., Lexington, Nebr. Harrow attachment for cultivators. 1,532,986; Apr. 7.

Brèguet, Louis G. and P. A., Geneva, Switzerland. Wire reducing. 1,532,873; Apr. 7.

Brèguet, Paul A. (See Brèguet, Louis G. and P. A.)

Brewer, Humphries W., Du Bois, Pa. Portable milling machine. 1,532,650; Apr. 7.

Brewster, Franklin W., Central Falls, assignor to Manville Jenckes Company, Pawtucket, R. I. Yarn-slicing machine. 1,532,572; Apr. 7.

Brice, John F. (See Singer, J. E., and Brice.)

Bridwell, William S. (See Snell, S., and Bridwell.)

Broady, Harry W., Bayside, N. Y., assignor, by mesne assignments, to American Balsa Wood Corporation. Built-up panel. 1,532,874; Apr. 7.

Brobst, Frank J., Portland, Oreg., assignor of one-half to B. L. Schneer, Habana, Cuba. Combination workstand and turntable. 1,532,726; Apr. 7.

Brockway, Carl P., assignor to Industrial Research Corporation, Toledo, Ohio. Electric starter. 1,533,072; Apr. 7.

Broderick & Bascom Rope Co. (See Grice, Frederick W., assignor.)

Brown, Bruce K., assignor to Commercial Solvents Corporation, Terre Haute, Ind. Manufacture of rubber goods. 1,532,651; Apr. 7.

Brown, Hugh A., and A. M. Bennett, Erie, Pa. Supplying current for arc welding and apparatus therefor. 1,532,680; Apr. 7.

Brown, James, Pawtucket, R. I. Puzzle. 1,532,875; Apr. 7.

Brown, Peter P., Lusk, Wyo. Window protector. 1,532,472; Apr. 7.

Brown, Phelps, I. B. Hendrickson, H. H. Clark, and T. G. Louis, Springfield, assignors to Wico Electric Company, West Springfield, Mass. Magneto. 1,532,799; Apr. 7.

Browne, Harry E. and W. M., Plainfield, N. J. Signal for an automobile or other vehicle and street and road purposes. 1,532,876; Apr. 7.

Browne, Walter M. (See Browne, Harry E. and W. M.)

Bruno, Carl O., assignor to Bigelow-Bruno Manufacturing Company, Chicago, Ill. Timer. 1,532,573; Apr. 7.

Brunson, William H., and C. Jamison, Bren, Calif. Rotary drilling tool. 1,532,371; Apr. 7.

Bryant Electric Company, The. (See Anderson, Carl E., assignor.)

Bryant, William O., Los Angeles, Calif., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,120; Apr. 7.

Bryce Brothers Company. (See Bryce, Gerard S., assignor.)

Bryce, Gerard S., assignor to Bryce Brothers Company, Mount Pleasant, Pa. Top for beverage mixers. 1,532,681; Apr. 7.

Buck, Harvey A., Toledo, Ohio. Gas saver. 1,532,372; Apr. 7.

Buck, Herman J., assignor to Mathews Conveyer Company, Ellwood City, Pa. Automatic brake for straight-lift elevators. 1,532,877; Apr. 7.

Buckeye Steel Castings Company, The. (See Wolfe, Harry H., assignor.)

Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)

Bugbee, Lucian W., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Lens protractor. 1,532,878; Apr. 7.

Bugbee, Lucian W., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Prism-measuring device in parallel systems. 1,532,879; Apr. 7.

Bugbee, Lucian W., jr., assignor to Onepiece Bifocal Lens Company, Indianapolis, Ind. Mirrored lens protractor. 1,532,880; Apr. 7.

Bumgarner, Stephen O., Waverly, Ohio. Gate and operating mechanism. 1,532,987; Apr. 7.

Burgess, Edward W., Chicago, Ill., assignor, by mesne assignments, to International Harvester Company. Tractor-operated implement. 1,533,058; Apr. 7.

Burgi, Herman, assignor of one-half to C. H. Tenney, Springfield, Mass. Continuous process of making coke and illuminating gas. 1,532,300; Apr. 7.

Burmeister, Paul, near Fulda, assignor of one-half to C. West and one-half to D. M. Mead, Fulda, Minn. Door-operating mechanism. 1,532,171; Apr. 7.

Burns, Jabes, & Sons. (See Burns, W. G., and Maxon, assignors.)

Burns, William G., New York, N. Y., and H. R. Maxon, Muncie, Ind., assignors to Jabes Burns & Sons. Roaster. 1,532,574; Apr. 7.

Busch, Herman F., Millvale, assignor to Armstrong Cork Company, Pittsburgh, Pa. Textile roll and making the same. 1,532,682; Apr. 7.

Bushnel, Charles S., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Track element for train-control systems. 1,532,373; Apr. 7.

Butler, Charles R., Indianapolis, Ind. Piston. 1,532,121; Apr. 7.

Byrne, Charles F. S., Janesville, Wis., assignor to General Motors Corporation, Detroit, Mich. Exhaust fire screen. 1,532,473; Apr. 7.

C. and O'R. Corporation. (See Chalupa, E., and O'Rourke, assignors.)

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanizing rubber and product obtained thereby. 1,532,225; Apr. 7.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanising rubber and product obtained thereby. 1,532,226; Apr. 7.

Cadwell, Sidney M., Leonia, N. J., assignor to The Naugatuck Chemical Company. Vulcanizing rubber and product obtained thereby. 1,532,227; Apr. 7.

Cady, Sherman W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Traction-actuated lift mechanism. 1,533,059; Apr. 7.

Calse, Charles. (See Kaiser, Charles.)

Camden, Andrew B., Durant, Okla., assignor to J. W. Allen and S. H. Allen, Temple, Tex. Traffic signal and signboard. 1,532,575; Apr. 7.

Camp, Curtis B., trustee. (See Chandler, Milford G., assignor.)

Campbell, A. S., Company. (See Campbell, Alphonso S., assignor.)

Campbell, Alphonso S., West Medford, assignor to A. S. Campbell Company, Boston, Mass. Window frame. 1,532,374; Apr. 7.

Campbell, Alphonso S., West Medford, assignor to A. S. Campbell Company, Boston, Mass. Window and window frame. 1,532,375; Apr. 7.

Campbell, Frederick H. (See Lloyd, G. F., Clapp, and Campbell.)

Canady, John F. (See Russell, W. C., and Canady.)

Cappi, Gaetano, San Francisco, Calif. Baking and cooking utensil. 1,532,881; Apr. 7.

Caracristi, Virginius Z., Bronxville, assignor to Locomotive Pulverized Fuel Company, New York, N. Y. Pneumatic conveying apparatus and the like. 1,532,122; Apr. 7.

Carborundum Company, The. (See Fitzpatrick, John, assignor.)

Carborundum Company, The. (See Smith, Edmund S., assignor.)

Carlson, Gustaf E., Oakland, Calif. Shrinkproof stud support. 1,532,729; Apr. 7.

Carlson, Gustave O., Weathersfield, assignor of one-third to H. Hanson, Middletown, and one-third to C. O. Hedstrom, Portland, Conn. Game apparatus. 1,532,576; Apr. 7.

Carpenter, Benjamin H., Boston, Mass. Coupling for rope. 1,532,882; Apr. 7.

Carpenter, Charles R., Robbinsdale, Minn. Hair waver. 1,532,883; Apr. 7.

Carpenter, Frederick S., assignor to The Hartford Rubber Works Company, Hartford, Conn. Deflecting device for conveyer systems. 1,532,228; Apr. 7.

Carr Fastener Company. (See Carr, Fred S., assignor.)

Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Apparatus for locating securing parts of separable fasteners to carrying fabrics. 1,532,376; Apr. 7.

Carr, Fred S., Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass. Apparatus for locating securing parts of separble fasteners to carrying fabrics. 1,532,377; Apr. 7.

Carroll, Elbert H., assignor to Morgan Construction Company, Worcester, Mass. Machine for planing helical gears. 1,532,378; Apr. 7.

Carson, John R., New York, N. Y., assignor to American Telephone and Telegraph Company. Receiving weak signal currents. 1,532,172; Apr. 7.

Carter, Dolph C., Cleveland, Ohio. Dummy lay-out for advertisers. 1,532,379; Apr. 7.

Carter, Ray L., Syracuse, N. Y. Combined mortising and shaping machine. 1,532,683; Apr. 7.

Carter, William A., Milwaukee, Wis. Facing wall structures. 1,532,684; Apr. 7.

Cass, Olive S. (See Sandbank, Olive.)

Casto, Isabel B., and R. E. Hooper, Half Moon Bay, Calif. Sliding cover for tablets and the like. 1,532,527; Apr. 7.

Citizens of the United States. (See Cruess, William V.)

Chalupa, Emil, and T. F. O'Rourke, New York, N. Y., assignors to C. and O'R. Corporation. Smoke and gas strainer and filter. 1,532,730; Apr. 7.

Champion, Louis F. (See Corey, W. G., Knight, and Champion.)

Chandler, Milford G., Chicago, assignor, by mesne assignments, to C. B. Camp, trustee, Oak Park, Ill. Carburetor. 1,532,229; Apr. 7.

Chandler, Milton E., assignor to Stromberg Motor Devices Company, Chicago, Ill. Internal-combustion engine. 1,532,619; Apr. 7.

Chapin, Charles W., Louisville, Ky. Vehicle brake. 1,532,884; Apr. 7.

Chapin, William A. (See Andersen, A., and Chapin.)

Chapman, B. E., et al. (See Hayes, W. F., and Armstrong, assignors.)

Chapman, Washington H., Detroit, Mich. Thermopressure regulator. 1,532,988; Apr. 7.

Chemische Fabrik auf Actien (vorm. E. Schering). (See Emde, Hermann, assignor.)

Chemische Fabrik Griesheim Elektron. (See Suchy, R., and Michel, assignors.)

Chore-Utensils Corporation of America, The. (See Kingman, Russell B., assignor.)

Christensen, Christian N., Minneapolis, Minn. Brick jointer and raker. 1,532,380; Apr. 7.

Christoffersen, Henry M., Sidney, Nebr. Exercising machine. 1,532,474; Apr. 7.

Clapp, Frank B. (See Lloyd, G. F., Clapp, and Campbell.)

Clark Brothers Company. (See Reid, Joseph S., assignor.)

Clark, Emma E., Hammond, Ind., assignor to The Wilson Fastener Company, Cleveland, Ohio. Lingerie clasp. 1,532,381; Apr. 7.

Clark, Frederick J., Buffalo, N. Y., assignor to Steam Pressing Iron Company, Chicago, Ill. Pressing apparatus. 1,532,382; Apr. 7.

Clark, Harold H. (See Brown, P., Hendrickson, Clark, and Louis.)

Clark, Irwin A., Parco, Wyo., assignor to Producers and Refiners Corporation. Treating oils with prepared clays. 1,533,060; Apr. 7.

Clas, Angelo R., Toledo, Ohio. Window-control mechanism. 1,532,230; Apr. 7.

Cleland, James E., assignor of one-half to H. W. Lucas, Montreal, Quebec, Canada. Manufacturing goods of india rubber and other plastics. 1,532,383; Apr. 7.

Climax Engineering Company. (See Wishart, W., and Morrell, assignors.)

Cloos, Peter H., jr., Watertown, S. Dak. Coupling tightener bar. 1,532,173; Apr. 7.

Cole, Don, assignor of one-half to J. A. Dienner, Chicago, Ill. Internal-combustion engine. 1,532,384; Apr. 7.

Coleman, Paul H., and F. W. Stout, Lynch Mines, Ky. Route indicator for vehicles. 1,532,731; Apr. 7.

Coleman, Thomas E., assignor to Madison-Kipp Corporation, Madison, Wis. Lubricator. 1,532,620; Apr. 7.

Collins, Douglas, Salisbury, N. C. Cigarette holder. 1,532,732; Apr. 7.

Commercial Solvents Corporation. (See Brown, Bruce K., assignor.)

Commonwealth White Lead and Paints Proprietary Limited. (See Lloyd, G. F., Clapp, and Campbell, assignors.)

Conant, Arthur P. (See Wadsworth, A. W., and Conant.)

Conklin, David B., Brooklyn, N. Y. Game. 1,532,128; Apr. 7.

Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Buttonhole-sewing machine. 1,532,301; Apr. 7.

Consolidated Car-Heating Company. (See Hynes, Lee P., assignor.)

Cook, Albert E., Evanston, and T. Van Tuyl, Kankakee, Ill.; said Van Tuyl assignor to said Cook. Compensating load-carrying device. 1,532,124; Apr. 7.

Cooke, George T. (See Everett, I., and Cooke.)

Coons, Charles H., assignor of three-fifths to The Tissue Company, Saugerties, N. Y. Napkin-folding machine. 1,532,475; Apr. 7.

Cooper, Charles W., Pittsburgh, Pa. Extension clothesline support. 1,532,302; Apr. 7.

Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,685; Apr. 7.

Cordier, Gustave, Calais, France. Machine for cutting, shortening, and shearing the loose threads of machine-made lace and all similar goods. 1,532,989; Apr. 7.

Corey, William G., Berkeley, R. C. Knight, and L. F. Champion, Oakland, Calif. Rodless deep-well pump. 1,532,231; Apr. 7.

Corfield, Stephen H., Santa Maria, Calif., assignor to Distillation Products Co., Phoenix, Ariz. Apparatus for the distillation of materials. 1,532,686; Apr. 7.

Cormier, Phillippe D., New Bedford, Mass. Apparatus for removing carbon from internal-combustion engines. 1,532,528; Apr. 7.

Coryell, Charles N., Mamaroneck, N. Y. Hinge. 1,532,885; Apr. 7.

Cowles, Charles J. (See Boulden, E. W., and Cowles.)

Cowles, Irving, Chicago, Ill. Hose coupling. 1,532,886; Apr. 7.

Cox, Stephen A. D. (See Meredith, W., Cox, and Foster.)

Cox, Walter M., Jersey City, N. J. Game apparatus for playing indoor football. 1,532,385; Apr. 7.

Cozzens, William W., San Jose, Calif. Evaporator. 1,532,308; Apr. 7.

Crandall Packing Company. (See Travers, John L., assignor.)

Croakman, Elmer G. (See Young, J., and Croakman.)

Crocker, James M., Terre Haute, Ind. Wrench. 1,532,174; Apr. 7.

Crompton & Knowles Loom Works. (See Lockwood, G. D., and Wakefield, assignors.)

Cruess, William V., Berkeley, Calif., dedicated, by mesne assignments, to the citizen of the United States. Glacéing fruit. 1,532,476; Apr. 7.

Csengery, George, South Norwalk, Conn. Boat. 1,532,990; Apr. 7.

Cullen, Joseph F., Midvale, Utah, assignor to United States Smelting, Refining & Mining Company. Making the arsenate of calcium and analogous elements. 1,532,577; Apr. 7.

Cullen, Joseph F., Midvale, Utah, assignor to United States Smelting, Refining & Mining Company, Portland, Me. Making the arsenate of calcium and analogous elements. 1,532,578; Apr. 7.

Cullinan, John J., Chicago, Ill. Tennis racket. 1,532,232; Apr. 7.

Culver, J. C. (See Palmgren, Philip, assignor.)

Culver, Lewis O., West Pittstown, Pa. Fastening device for jar tops. 1,532,585; Apr. 7.

Cummings, James, and H. A. M. Wilson, Sydney, New South Wales, Australia. Cinematograph machine. 1,532,386; Apr. 7.

Cunning, Donald V., Youngstown, Ohio. Body brace. 1,532,804; Apr. 7.

Cunningham, Edgar A., and H. Homad, Mallory, W. Va. Mining-car coupling. 1,532,887; Apr. 7.

Currier, Hiram D., and W. G. Shull, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,532,652; Apr. 7.

Currier, Hiram D., and W. G. Shull, assignors to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,532,888; Apr. 7.

Cutler-Hammer Mfg. Co., The. (See Hodgson, Howard E., assignor.)

Daane, Arthur J., Chicago, Ill. Ink-distributing roller. 1,533,062; Apr. 7.

Daane, Arthur J., Chicago, Ill. Vibrator for printing presses. 1,533,063; Apr. 7.

Daane, Arthur J., Chicago, Ill. Vibrator for printing presses. 1,533,064; Apr. 7.

Daane, Arthur J., Chicago, Ill. Vibrator for printing presses. 1,533,065; Apr. 7.

Daechsel, Frederick A., Ottawa, Ontario, Canada. Oil-burning apparatus. 1,532,733; Apr. 7.

Dahlberg, Arnold O., San Francisco, Calif. Milk-heating apparatus. 1,532,283; Apr. 7.

Daimler-Motoren-Gesellschaft. (See Gauss, Friedrich, assignor.)

Dakin, Francis J. V. (See Fries, Edward A., assignor.)

Darling, Frank, and J. Roche, Battle Creek, Mich. Balancing device for polishing wheels. 1,532,687; Apr. 7.

Darne, Régis, assignor to Etablissements Darne, St. Etienne, France. Device for regulating the rate of fire in automatic firearms. 1,532,305; Apr. 7.

Dauch, Alan D., assignor to George J. Hagan Company, Pittsburgh, Pa. Enameling furnace. 1,532,621; Apr. 7.

David, Carl B. (See Harting, W. C., Sindelar, and David.)

Davidson, John, Burton-on-Trent, England. Internal-combustion engine. 1,532,306; Apr. 7.

Davis, Augustine, jr. (See Shield, Paul S., assignor.)

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,532,175; Apr. 7.

Davis, Harry P., Hempstead, N. Y. Terminal connecter. 1,532,889; Apr. 7.

Davis, Oscar H., Kansas City, Mo. Smoking pipe. 1,532,387; Apr. 7.

Davison, Clarence M., assignor to Poole Engineering and Machine Company, Baltimore, Md. Valve-reseating tool. 1,532,653; Apr. 7.

Day, Wallace E., assignor to Spencer Elevator Company, San Francisco, Calif. Elevator safety appliance. 1,532,529; Apr. 7.

Dayton Steel Racquet Company, The. (See Larned, William A., assignor.)

Dean, John, Victoria, British Columbia, Canada. Pole and post protector. 1,532,734; Apr. 7.

De Cew, Judson A., Mount Vernon, N. Y. Treating paper. 1,532,579; Apr. 7.

De Loach, Douglas D. (See Foss, C. C., and De Loach.)

De Mesa, Bertie, assignor to Victor-Dye Limited, London, England. Tennis and badminton racket. 1,532,991; Apr. 7.

Denning, Ansel C., deceased, Johnson City; Workers Trust Company, administrator, assignor to Endicott Johnson Corporation, Endicott, N. Y. Floor and process of laying floor. 1,533,074; Apr. 7.

Dennison, Charles H., Quincy, assignor to American Rubber Company, East Cambridge, Mass. Superficially-finished rubber article or material and producing same. 1,532,234; Apr. 7.

Dent Hardware Company, The. (See Schrader, Thomas O., assignor.)

Detroit Vapor Stove Company. (See Sherman, Alvin G., assignor.)

De Turk, Ira F., assignor to C. W. Wass, Detroit, Mich. Gauge attachment for fuel tanks. 1,532,477; Apr. 7.

Deutsch, Hermann, Berlin-Groszlichterfelde, assignor to Adrema Maschinenbau G. m. b. H., Berlin, Germany. Addressing machine. 1,532,890; Apr. 7.

Deutsche Telephonwerke G. m. b. H. (See Fassbender, H., and Habann, assignors.)

Dewey, Haywood G. (See Jones, J. G., and Dewey.)

Dexter, Wallace G., Brooklyn, N. Y. Combined switch and fuse. 1,532,235; Apr. 7.

Dickerson, Ernest B., Bishop, Tex. Variable-capacity pump. 1,532,735; Apr. 7.

Dienner, John A. (See Cole, Don, assignor.)

Dietrich, Max, Halle-on-the-Saale, Germany, assignor to A. Schmid, New York, N. Y. Trousers stretcher. 1,532,586; Apr. 7.

Dillon, Lester E., Jefferson, S. Dak. Tire tread. Des. 66,967; Apr. 7.

Dilot, John. (See Andren, B. T., and Dilot.)

Distillation Products Co. (See Corfield, Stephen H., assignor.)

Dixon, Ralph H. (See Van Pelt, E. M., and Dixon.)

Djidics, Alexander, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Device for firing explosives by electricity. 1,532,125; Apr. 7.

Dodds, Ethan I., Central Valley, N. Y., assignor to Flannery Bolt Company, Pittsburgh, Pa. Stay bolt for boilers. 1,532,736; Apr. 7.

Dohrmann, Albert C., Chicago, Ill. Safety latch for doors. 1,532,737; Apr. 7.

Donaldson Art Sign Company, The. (See Kisinger, William S., assignor.)

Dorward, Raymond, Jasonville, assignor to Insley Manufacturing Company, Indianapolis, Ind. Excavator. 1,533,061; Apr. 7.

Doty, Edmund F., North Tonawanda, N. Y. Centrifugal pump. 1,532,992; Apr. 7.

Dougherty, Charles E. (See Alber, J. J., and Dougherty.)

Douglas, John, Company, The. (See Hohmeister, Arthur E., assignor.)

Douglass, Leon F., Menlo Park, Calif. Method and apparatus for producing multiple-image effects in photography. 1,532,236; Apr. 7.

Dover, Ray W., Cambridge, Ohio. Toy. 1,532,307; Apr. 7.

Downing, Roswell, Oneida, N. Y. Glareshield. 1,532,308; Apr. 7.

Dowsett, Harry M., London, England, assignor to Radio Corporation of America. Wireless-telegraph apparatus for aeroplanes. 1,532,388; Apr. 7.

Dräger, Alexander B., Lubeck, Germany. Self-contained breathing apparatus. 1,532,654; Apr. 7.

Draper, Charles T., assignor to The Draper Manufacturing Company, Cleveland, Ohio. Producing and attaching closures for sheet-metal containers. 1,532,891; Apr. 7.

Draper Corporation. (See Davis, Harry A., assignor.)

Draper Corporation. (See Rhoades, Alonzo E., assignor.)

Draper Corporation. (See Schofield, Robert, assignor.)

Draper Manufacturing Company, The. (See Draper, Charles T., assignor.)

Dreyfus, Milton A., et al. (See Girard, Alfred O., assignor.)

Duda, Oswald, Houston, Tex., assignor to Reed Roller Bit Company. Lubricator for deep-well drills and the like. 1,532,552; Apr. 7.

Duda, Oswald, Houston, Tex., assignor, by mesne assignments, to Reed Roller Bit Company. Lubricator for deep-well drills and the like. 1,532,553; Apr. 7.

Duda, Oswald, Houston, Tex., assignor to Reed Roller Bit Company. Lubricator for deep-well drills and the like. 1,532,554; Apr. 7.

Dunsweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery container. Des. 66,968; Apr. 7.

Durabilt Steel Locker Co. (See Kaser, Everett D., assignor.)

Durscent, William C. (See Sturt, Alfred T., assignor.)

Durham, Carroll E., Redford Township, Wayne County, assignor of one-half to T. B. Moore, Detroit, Mich. Bearing. 1,532,993; Apr. 7.

Dwyer, William C. (See Robinson, C. W., and Dwyer.)

Dysthe, Martinius, Minneapolis, Minn. Check-stub holder. 1,532,389; Apr. 7.

Earhart, Frank A., Philadelphia, Pa. Apparatus for forming and shaping hat brims. 1,532,892; Apr. 7.

Earle, Horatio S., Detroit, Mich. Ash sifter. 1,532,390; Apr. 7.

East, Jesse C., Columbus, Ga. Traveling hinge. 1,532,893; Apr. 7.

Eastman Kodak Company. (See Gutekunst, Gurney O., assignor.)

Eastman Kodak Company. (See Haste, James H., assignor.)

Eastman Kodak Company. (See Jones, J. G., and Dewey, assignors.)

Eastman Kodak Company. (See Sheppard, S. E., and Eberlin, assignors.)

Eastman Kodak Company. (See Sulzer, Albert F., assignor.)

Easy Pan Greasing Machine Co. (See Molier, Wilhelm, assignor.)

Eberlin, Leon W. (See Sheppard, S. E., and Eberlin.)

Edridge, Hartwell L., Minneapolis, Minn. Release relief valve for air-brake systems. 1,532,126; Apr. 7.

Edwards, Stella J., Jackson, Miss. Manuscript holder for typewriters. 1,532,478; Apr. 7.

Edwards, Ulysses G., Grandview, Wash. Tire tool. 1,532,580; Apr. 7.

Eggerss, August J., assignor to Eggerss-O'Flyng Company, Omaha, Nebr. Shipping container for plowshares. 1,532,894; Apr. 7.

Eggerss-O'Flyng Company. (See Eggerss, August J., assignor.)

Ehle, Augustus. (See Mueller, Albert B., assignor.)

Electric Service Supply Co. (See Kopprasch, Alexander H., assignor.)

Electric Service Supplies Company. (See Lewis, Henry G., assignor.)

Eliel, Oscar H., La Salle, Ill. Hermetic seal. 1,532,237; Apr. 7.

Elkins, Joseph, Blytheville, Ark. Sawmill-carriage wheel. 1,532,581; Apr. 7.

Elliott, Rosalie N., Evanston, Ill. Card holder. 1,532,127; Apr. 7.

Emde, Hermann, Berlin-Lankwitz, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Manufacturing hydroquinone. 1,532,800; Apr. 7.

Emery, Frederick L. (See Hunt, Jonathan A., assignor.)

Endicott Johnson Corporation. (See Denning, Ansel C., assignor.)

Engel, Frank, assignor to U. S. Light & Heat Corporation, Niagara Falls, N. Y. Combined battery shipping crate and stand. 1,532,738; Apr. 7.

Erickson, Edor, Philipsburg, Mont. Bridle bit. 1,532,622; Apr. 7.

Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,532,391; Apr. 7.

Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Measured-service telephone system. 1,532,392; Apr. 7.

Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Impulse transmitter for automatic telephone systems. 1,532,655; Apr. 7.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Etablissements Darne. (See Darne, Régis, assignor.)

Evansville Tool Works, Incorporated. (See Basham, Joseph F., assignor.)

Everett, Ira, Sayre, Pa., and G. T. Cooke, New York, N. Y. Railway car. 1,532,309; Apr. 7.

Eynon, Thomas M., Philadelphia, Pa. Gas indicator for automobile dashboards. 1,532,530; Apr. 7.

Faber, John P., and W. Muller, Dunellen Borough, assignors, by mesne assignments, to Ransome Concrete Machinery Company, Plainfield, N. J. Concrete-mixing Machine. 1,532,801; Apr. 7.

Fabrizio, Achille, Elkton, Md. Torpedo. 1,532,531; Apr. 7.

Fahys, Joseph, & Co. (See Gordon, Peter J., assignor.)

Fancher, Walter H. (See Ford, Joseph T., assignor.)

Farbenfabriken vorm. Friedr. Bayer and Co. (See Heinze, Ernst, assignor.)

Farbenfabriken vorm. Friedr. Bayer & Co. (See Heusner, K., and Simon, assignor.)

Farbenfabriken vorm. Friedr. Bayer and Co. (See Mols, Emil, assignor.)

Farbenfabriken vorm. Friedr. Bayer and Co. (See Weiler, Max, assignor.)

Farber, Simon W., Brooklyn, N. Y. Metal casserole holder or similar article. Des. 66,969; Apr. 7.

Farber, Simon W., Brooklyn, N. Y. Metal casserole holder or similar article. Des. 66,970; Apr. 7.

Farber, Simon W., Brooklyn, N. Y. Metal dish or similar article. Des. 66,791; Apr. 7.

Farber, Simon W., Brooklyn, N. Y. Metal dish or similar article. Des. 66,972; Apr. 7.

Farrell, Edna M., Los Angeles, Calif. Hair curler. 1,532,238; Apr. 7.

Fassbender, Heinrich, Charlottenburg, and E. Habann, Waidmannslust, near Berlin, assignors to Deutsche Telephowerke G. m. b. H., Berlin, Germany. Circuit arrangement for multiplex cable telegraphy and telephony. 1,532,739; Apr. 7.

Fauser, George, assignor to Fisher Body Corporation, Detroit, Mich. Doorcheck. 1,532,239; Apr. 7.

Fay, Joseph G., assignor of one-fourth to J. K. McDowell, Seattle, Wash. Combined spare-tire-rim carrier and remover. 1,532,532; Apr. 7.

Fedowics, Louis P., Brooklyn, N. Y. Hydraulic hoist for automobiles. 1,532,479; Apr. 7.

Feistner, William F., Newport, Ky. Umbrella or parasol. 1,532,802; Apr. 7.

Ferree, Tyson T., Ashboro, N. C. Indicator. 1,532,740; Apr. 7.

Feuerstein, Arthur, Great Neck, N. Y. Radio receiver holder. 1,532,688; Apr. 7.

Finch, John W., Los Angeles, Calif. Eyeshade. 1,532,480; Apr. 7.

Fire Gun Manufacturing Company. (See Sammis, Albert V., assignor.)

Firpo, Antone, Stockton, Calif. Blotter attachment for fountain pens. 1,532,240; Apr. 7.

Fisher Body Corporation. (See Fauser, George, assignor)

Fitzpatrick, Jeremiah J., Tulsa, Okla. Pumping device for oil wells. 1,532,623; Apr. 7.

Fitzpatrick, John, Cincinnati, Ohio, assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace. 1,532,689; Apr. 7.

Fivey, Robert E., Chicago, Ill. Flush valve. 1,532,656; Apr. 7.

Flad, Arthur, Berlin, and F. Lubberger, Schmargendorf, assignors to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Metering circuit for telephone systems. 1,532,241; Apr. 7.

Flaherty, Patrick J., assignor to The Johnson Bronze Company, New Castle, Pa. Method and apparatus for making centrifugal castings. 1,532,690; Apr. 7.

Flannery Bolt Company. (See Dodds, Ethan I., assignor.)

Flath, Otto S. (See Lollis, Benjamin F., assignor.)

Fleischmann Co., The. (See Bacon, Raymond F., assignor.)

Fleisher, Isaac, New York, N. Y. Air filter. 1,532,657; Apr. 7.

Fletcher, John P., U. S. Army. Convertible vehicle. 1,532,128; Apr. 7.
Florjancic, Louis. (See Sustarsic, M., and Florjancic.)
Foltz, Florence O., executrix. (See Foltz, Irving J.)
Foltz, Irving J., deceased; F. O. Foltz, executrix, Seattle, Wash. Oil burner. 1,532,393; Apr. 7.
Forbes, Nelson H., Detroit, Mich. Hinge. 1,532,481; Apr. 7.
Ford, Edward L., Youngstown, Ohio. Manufacture of puddled iron. 1,532,691; Apr. 7.
Ford, Joseph T., assignor of one-half to W. H. Fancher, East St. Louis, Ill. Figure toy. 1,532,482; Apr. 7.
Fosh, Christian C., Pulaski, and D. D. De Loach, Savannah, Ga. Rotary valve. 1,532,483; Apr. 7.
Foster, Walter L. (See Meredith, W., Cox, and Foster.)
Fowler, Lewis D., Oklahoma City, Okla. Pipe wrench. 1,532,803; Apr. 7.
Fraling, Joseph, Bemidji, Minn. Match lighter. 1,532,994; Apr. 7.
French Battery & Carbon Company. (See Graves, J., Balderston, and McEachron, assignors.)
Fried. Krupp Aktiengesellschaft. (See Akemann, Walther, assignor.)
Fried. Krupp Aktiengesellschaft. (See Klingelhöffer, Reinhard, assignor.)
Fried. Krupp Aktiengesellschaft. (See Sundhaussen, Hermann, assignor.)
Fries, Edward A., Dorchester, assignor, by mesne assignments, to F. J. V. Dakin, Boston, Mass. Commutator. 1,532,129; Apr. 7.
Fritz, Emil F. L., Chicago, Ill. Garment. 1,532,394; Apr. 7.
From, Owen C., assignor to Western Electric Company, Incorporated, New York, N. Y. Controlling mechanism. 1,532,130; Apr. 7.
Fuld and Hatch Knitting Company. (See Thomayer, George T., assignor.)
Fulford, C. E., Limited. (See Tindall, George W., assignor.)
Fulton, William H., Irvington, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co. Swivel coupling. 1,532,395; Apr. 7.
Funke, Elisabetha, Zurich, Switzerland. Hat convertible into umbrella. 1,532,310; Apr. 7.
Gage, André, St.-Ouen, France. Level indicator of the luminous type. 1,532,995; Apr. 7.
Gaisman, Henry J., New York, N. Y. Razor-blade holder. 1,532,131; Apr. 7.
Gallegos, J. C. (See Montoya, Tib, assignor.)
Gammeter, John R., and W. D. Kmentt, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Valve mechanism. 1,532,396; Apr. 7.
Garner, Walter, Comanche, Tex. Fountain brush. 1,532,804; Apr. 7.
Garvey, James D., Chicago, Ill. Brush. 1,532,397; Apr. 7.
Gaspar, Joseph, New York, N. Y. Interchangeable boot and shoe heel. 1,532,484; Apr. 7.
Gathmann, Emil, assignor to The Gathmann Engineering Company, Baltimore, Md. Ingot mold. 1,532,741; Apr. 7.
Gathmann Engineering Company, The. (See Gathmann, Emil, assignor.)
Gaunt, Ray B., Breckenridge, Mo. Grain shocker. 1,532,132; Apr. 7.
Gauriat, Pierre S., assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Paris, France. Motion-picture apparatus. 1,532,805; Apr. 7.
Gauss, Friedrich, Oberturkheim, assignor to Daimler-Motoren-Gesellschaft, Unterturkheim, Germany. Motor vehicle of any kind. 1,532,176; Apr. 7.
Gawronski, Frank, Chicago, Ill. Strainer for cooking vessels. 1,532,133; Apr. 7.
Geer, William C., and W. N. Jones, Akron, Ohio, assignors to B. F. Goodrich Company, New York, N. Y. Rubber composition and preserving rubber. 1,532,398; Apr. 7.
Geiger, Josef, Augsburg, Germany. Apparatus for indicating and registering the stroke average of the piston pressure in prime movers, pumps, or compressors. 1,532,692; Apr. 7.
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Method and apparatus for making sheet glass. 1,532,134; Apr. 7.
General Motors Corporation. (See Blackmore, Lloyd, assignor.)
General Motors Corporation. (See Boom, Clifford A., assignor.)
General Motors Corporation. (See Byrne, Charles F. S., assignor.)
General Motors Corporation. (See Williams, Charles E., assignor.)
General Railway Signal Company. (See Bushnell, Charles S., assignor.)
Geoghegan, Edward A., New York, N. Y. Superheater. 1,532,242; Apr. 7.
Gerber, David, assignor to Maryland Baking Company, Baltimore, Md. Ice-cream cone. 1,532,806; Apr. 7.
Getting, Georges, and A. Jonas, St.-Denis, France. Endless conveyer belt. 1,532,807; Apr. 7.
Giard, Napoléon, St. Michel de Rougemont, Quebec, Canada. Extensible table. 1,532,996; Apr. 7.
Gibbs, Alonzo L., New York, N. Y. Refrigerating apparatus. 1,532,399; Apr. 7.
Gibbs, William H., Milwaukee, Wis. Sectional hammer. 1,532,135; Apr. 7.
Gibson, John. (See Lewis, Henry C., assignor.)
Gilchrist Company, The. (See Ruggaber, John W., assignor.)
Gillespie, Edward D., Lake Village, Ark. Metal wheel. 1,532,485; Apr. 7.
Gilligan, Edward J., South Hadley, Mass. Loom picker. 1,532,808; Apr. 7.
Girard, Alfred O., assignor of one-third to B. B. Lipsner, one-third to P. Sporer, and one-third to M. A. Dreyfus, Chicago, Ill. Dishwasher-nozzle. 1,532,809; Apr. 7.
Gist, William V., assignor of one-half to D. C. McCall, jr., St. Joseph, Mo. Hose housing. 1,532,177; Apr. 7.
Godbold, Louis A., Houston, Tex. Lubricator. 1,532,178; Apr. 7.
Golladay, Clyde H., Los Angeles, Calif. Casement-window fastener. 1,532,997; Apr. 7.
Goodrich, B. F., Company, The. (See Gammeter, J. R., and Kmentt, assignors.)
Goodrich, B. F., Company. (See Geer, W. C., and Jones, assignors.)
Goodrich, B. F., Company, The. (See Winkelmann, Herbert A., assignor.)
Goodwin, John B., Elko, Nev. Gas producer. 1,532,179; Apr. 7.
Goodyear Tire & Rubber Company, The. (See Bedford, C. W., and Sibley, assignors.)
Goodyear Tire & Rubber Company, The. (See Bedford, Clayton W., assignor.)
Goodyear Tire & Rubber Company, The. (See Bieber, Charles P., assignor.)
Goodyear Tire & Rubber Company, The. (See Hale, James E., assignor.)
Goodyear Tire & Rubber Company, The. (See Patterson, Ian D., assignor.)
Gordon, Peter J., Sag Harbor, assignor to Joseph Fahys & Co., New York, N. Y. Spoon or similar article. Des. 66,973; Apr. 7.
Gottschalk, Victor H., Chicago, Ill., assignor to The American Cotton Oil Company, New York, N. Y. Manufacture of soap. 1,532,692; Apr. 7.
Gourley, Edia M., Overton, Nebr. Lace-making implement. 1,532,810; Apr. 7.
Graden, James H. and Z. E., Ellenwood, Ga. Oil burner. 1,532,582; Apr. 7.
Graden, Zack E. (See Graden, James H. and J. E.)
Graf, Ernest L., New York, N. Y. Method and structure for analytical measuring of weights. 1,532,136; Apr. 7.
Grafe, Louis M., St. Louis, Mo. Ventilated seat pad. 1,532,400; Apr. 7.
Graham, Edward A., Brockley, England. Cabinet for use with sound-reproducing devices. 1,532,811; Apr. 7.
Grand, Justinien V., Busigny, France. Nut lock. 1,532,998; Apr. 7.
Graves, John, W. Balderston, and E. J. McEachron, assignors to French Battery & Carbon Company, Madison, Wis. Gelatinizing machine for battery electrolytes. 1,532,401; Apr. 7.
Gray Telephone Pay Station Company, The. (See Long, George A., assignor.)
Green, Walter R., Chicago, Ill. Tire carrier. 1,532,137; Apr. 7.
Greenham, Richard, San Francisco, Calif. Boiler. 1,532,999; Apr. 7.
Grice, Frederick W., assignor to Broderick & Bascom Rope Co., St. Louis, Mo. Automatic release for tramway buckets. 1,532,812; Apr. 7.
Griffith, Randall D., and C. S. Hunter, Des Moines, Iowa. Condenser for motor-vehicle radiators. 1,532,624; Apr. 7.
Groene, William F., assignor, by mesne assignments to The R. K. Le Blond Machine Tool Company, Cincinnati, Ohio. Turning and facing lathe. Re16,038; Apr. 7.
Gross, Samuel M. (See Spence, Thomas H., assignor.)
Gross, William J., Westphalia, Mich. Hinge construction. 1,532,180; Apr. 7.
Guerra, Francisco F., Mexico, Mexico. Grease strainer for journal boxes. 1,532,813; Apr. 7.
Guiberson Corporation, The. (See Armentrout, Arthur L., assignor.)
Gurnovitz, John, Milwaukee, Wis. Tie. 1,533,000; Apr. 7.
Gutekunst, Gurney O., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic sensitiser and making same. 1,532,814; Apr. 7.
Guymon, Ralph A., Springdeld, Ill. Combined tail light and direction indicator. 1,532,583; Apr. 7.
Gwynn, Susie E. (See Gwynn, William A., assignor.)
Gwynn, William A., assignor to S. E. Gwynn, St. Louis, Mo. Vulcanizing machine. 1,532,694; Apr. 7.
Haarberg, Cato, Chicago, Ill. Lifting device. 1,533,001; Apr. 7.
Habann, Erich. (See Fassbender, H., and Habann.)
Haberfeld, Erwin O., Berlin, Germany. Card index, letter, and document file. 1,533,002; Apr. 7.
Habicht, F. Paul. (See Besso, M. A., and Habicht.)
Hadsel, Alvah D., assignor of one-half to F. N. Woods, jr., San Francisco, Calif. Rock crusher. 1,532,742; Apr. 7.
Hadsel, Alvah D., assignor of one-half to F. N. Woods, jr., San Francisco, Calif. Flexible coupling. 1,532,743; Apr. 7.

Hagan, George J., Company. (See Dauch, Alan D., assignor.)
Hagan, George J., Company. (See Talley, Randal E., assignor.)
Hagar, Albert L. (See McMahan, Earl, assignor.)
Hahn, William J., Philadelphia, Pa. Tongs. 1,532,815; Apr. 7.
Haigler, Claude C., San Jose, Calif. Bearing. 1,532,181; Apr. 7.
Halank, Gustav F., assignor to the Firm Johann Carl Müller, Dresden, Germany. Machine for affixing labels or the like. 1,532,895; Apr. 7.
Hale, James E., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Valve stem for pneumatic tires and accommodating wheel rim therefor. 1,532,358; Apr. 7.
Hall, Charles O., East Orange, N. J. Electric fan. 1,532,402; Apr. 7.
Hall, William H., Cicero, assignor to American Hotel Register Company, Chicago, Ill. Bulletin-display frame. 1,532,896; Apr. 7.
Hansen, Melvin. (See Hansen, Peter B. and M.)
Hansen, Peter B. and M., Viborg, S. Dak. Whip-actuating device. 1,532,816; Apr. 7.
Hanson, Henry, et al. (See Carlson, Gustave O., assignor.)
Hanson, Oscar, Warder, British Columbia, and O. Stjornstrom, Calgary, Canada. Trap. 1,532,584; Apr. 7.
Harnsberger, Harry H., New York, N. Y. Cigarette holder. 1,532,403; Apr. 7.
Harrington, Vincent J., Summerside, Prince Edward Island, Canada. Fox-breeding den. 1,532,486; Apr. 7.
Harris, James E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Colloidal suspension. 1,532,538; Apr. 7.
Harris, Thomas P., Clarinda, Iowa. Radiator protector. 1,532,404; Apr. 7.
Harrison, Thomas L., Philadelphia, Pa. Collapsible-tube-closing machine. 1,532,689; Apr. 7.
Hart, Edwin. (See Bausch, C. L., and Hart.)
Hart, Henry B., Montclair, N. J. Playing device. 1,532,625; Apr. 7.
Hartford Rubber Works Company, The. (See Carpenter, Frederick S., assignor.)
Hartford Rubber Works Company, The. (See Steinle, William J., assignor.)
Harting, Walter C. T. A. Sindelar, and C. E. David, assignors to Hydraulic Pressed Steel Company, Cleveland, Ohio. Metal building. 1,532,695; Apr. 7.
Hartweg, Frederick E., Philadelphia, Pa. Electrical fitting. 1,532,817; Apr. 7.
Haskell, Broderick, Franklin, Pa. Brake-beam support. 1,532,626; Apr. 7.
Hassard, Robert J., Brooklyn; A. H. Spalding, Arvene; and F. T. Powers, Douglaston Manor, assignors to Powers Photo-Engraving Company, New York, N. Y. Making half-tone printing plates. 1,532,696; Apr. 7.
Haste, James H., assignor to Eastman Kodak Company, Rochester, N. Y. Composite film. 1,532,818; Apr. 7.
Haste, James H., assignor to Eastman Kodak Company, Rochester, N. Y. Preparing photographic films. 1,532,819; Apr. 7.
Hayes, Jeremiah, Everett, Wash. Automobile bumper. 1,532,487; Apr. 7.
Hayes, William F., and J. N. Armstrong, assignors of one-third to B. B. Chapman and one-third to H. H. Milling, Mineral Wells, Tex. Furniture polish. 1,532,587; Apr. 7.
Heal, William E., Washington, D. C. Drawing glass and apparatus therefor. 1,532,182; Apr. 7.
Hebeacker, Wilhelm, Heilbronn, Germany. Excavating machine. 1,532,243; Apr. 7.
Hedstrom, Carl O., et al. (See Carlson, Gustave O., assignor.)
Heerlein, Charles F., et al. (See Kinsella, William P., assignor.)
Heftler, Victor R., Detroit, Mich., assignor to Société du Carburateur Zenith, Lyon, France. Carburetor. 1,532,697; Apr. 7.
Hein, George N., San Francisco, Calif. Guard for hypodermic syringes. 1,532,744; Apr. 7.
Hein, Richard, Witkowski, Czechoslovakia. Rolling mill. 1,532,488; Apr. 7.
Heinecke, Otto, Berlin, Germany. Parachute. 1,532,588; Apr. 7.
Heinze, Ernst, Wiesdorf-on-the-Rhine, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Producing the hydroxides of alkali metals or of alkaline-earth metals. 1,532,489; Apr. 7.
Heller, Perry O., Prophetstown, Ill. Whip-actuating device. 1,533,003; Apr. 7.
Hendey Machine Company, The. (See Bouillon, C., and Blakeslee, assignors.)
Hendrickson, Ira E. (See Brown, P., Hendrickson, Clark, and Louis.)
Henry, Martin, Verden, Okla. Multiple-cylinder combustion motor. 1,533,004; Apr. 7.
Hepburn, Donald M., Philadelphia, Pa. Device for introducing fluids into cylinders of internal-combustion motors. 1,532,820; Apr. 7.
Herbert, Charles C., San Jose, Calif. Water circulator. 1,532,405; Apr. 7.
Herman, John H., Houston, Tex. Combined percussion and rotary drilling apparatus. 1,532,311; Apr. 7.
Hersog Electric & Engineering Company. (See Lawrence, Joseph L., assignor.)
Heusner, Karl, and M. Simon, assignors to Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Preparation of aminoazo compounds. 1,532,627; Apr. 7.
Hewitt, Edward R., Midvale, N. J. Leader and making the same. 1,532,534; Apr. 7.
Hickerson, Clarence C., Tulsa, Okla. Mixing valve. 1,532,745; Apr. 7.
Hicks, James O. (See Rose, H. W., and Hicks.)
Higgins, Eugene, Jackson, Mich. Shaft coupling. 1,532,183; Apr. 7.
Hill, Richard D., Wichita Falls, assignor to E. B. Zittel, Burkburnett, Tex. Wrench for pipe or tubing. 1,532,406; Apr. 7.
Hine, Charles F. (See Rees, C., and Hine.)
Hirshstein, Joseph, Cleveland, Ohio. Drain. 1,532,897; Apr. 7.
Hobson, John S., assignor to Massey Concrete Products Corporation, Chicago, Ill. Concrete-molding apparatus. 1,532,407; Apr. 7.
Hodgson, Howard E., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Electromagnetic brake. 1,532,138; Apr. 7.
Hofer, William L., Manhattan, Kans. Fountain pen. 1,532,746; Apr. 7.
Hohmann, Wilhelm, Delitzsch, near Halle, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Apparatus for splicing films. 1,532,747; Apr. 7.
Hohmeister, Arthur E., Cincinnati, assignor to The John Douglas Company, Carthage, Ohio. Flush valve. 1,532,408; Apr. 7.
Holland, Walter M., assignor to Philadelphia Storage Battery Company, Philadelphia, Pa. Box handle. 1,532,898; Apr. 7.
Hollins, Willis C. (See Arrouses, F. P., and Hollins.)
Holm, Hans A., Minneapolis, Minn. Fog crossing signal. 1,532,748; Apr. 7.
Holsopple, Merril. (See Wendle, H. C., and Holsopple.)
Holtschmit Friedrich, Duisburg, Germany. Toothed gearing for driving the drum of pulley blocks. 1,532,899; Apr. 7.
Homad, Harry. (See Cunningham, E. A., and Homad.)
Hood, Henry H., assignor to B. G. Lincoln, Chicago, Ill. Mop cleaner. 1,532,139; Apr. 7.
Hooper, Rebecca E. (See Casto, I. B., and Hooper.)
Hopp, Hermann and L., New York, N. Y. Price-ticket holder. 1,533,005; Apr. 7.
Hopp, Leo. (See Hopp, Hermann and L.)
Hopp, Otto W. (See Wajer, J., and Hopp.)
Houghland, Frank H., deceased, Cincinnati, Ohio; L. Houghland, administratrix, assignor to W. F. Zent, Memphis, Tenn. Adhesive binding strip for closing and reclosing packages. 1,532,900; Apr. 7.
Houghland, Lillian, administratrix. (See Houghland, Frank H.)
Howcott, Harley A. W. (See Mitchell, Donald H., assignor.)
Hultgren, Charles R., assignor to S. Karpen & Bros., Chicago, Ill. Packaging device and method. 1,532,749; Apr. 7.
Humphrey, William J., Cleveland, Ohio. Identification or laundry tag. 1,532,901; Apr. 7.
Hunt, Jonathan A., Salem, assignor to F. L. Emery, Lexington, Mass. Rod-grinding machine. 1,532,490; Apr. 7.
Hunter, Charles S. (See Griffith, R. D., and Hunter.)
Hunter, William P., Plains, Kans. Expansion hitch. 1,533,006; Apr. 7.
Hurd, Zenus L., Nashville, Tenn. Folding ironing board. 1,532,812; Apr. 7.
Hutsell Motor Company. (See Hutsell, Thomas A., assignor.)
Hutsell, Thomas A., assignor to Hutsell Motor Company, Spokane, Wash. Piston. 1,532,491; Apr. 7.
Hutchens, Edward, Milwaukee, assignor to Utility Manufacturing Company, Cudahy, Wis. Hydraulic press. 1,532,140; Apr. 7.
Hydraulic Pressed Steel Company. (See Harting, W. C., Sindelar, and David, assignors.)
Hynes, Lee P., assignor to Consolidated Car-Heating Company, Albany, N. Y. Door control. 1,532,492; Apr. 7.
Illinois Glass Company. (See Seabold, Walter G., assignor.)
Illinois-Pacific Glass Company. (See Raynes, Harry, assignor.)
Immers, Jean B., Brussels, Belgium. Aeroplane. 1,532,902; Apr. 7.
Industrial Research Corporation. (See Brockway, Carl P., assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
Inland Glass Company. (See Stewart, Frederick W., assignor.)
Insley Manufacturing Company. (See Dorward, Raymond, assignor.)

Interlocking Toggle Rim Company. (See Avers, Edgar L., assignor.)
Interlocking Toggle Rim Company. (See Bedingfield, John A., assignor.)
International Advertising Specialty Company. (See Seiders, Hiester, assignor.)
International Harvester Company. (See Benjamin, Bert B., assignor.)
International Harvester Company. (See Burgess, Edward W., assignor.)
International Harvester Company. (See Cady, Sherman W., assignor.)
International Harvester Company. (See Mowry, Edward, assignor.)
International Harvester Company. (See Pearson, Charles, assignor.)
International Harvester Company. (See Robinson, C. W., and Dwyer, assignors.)
International Motor Company. (See Josephs, Lyman C., jr., assignor.)
International Motor Company. (See Masury, Alfred F., assignor.)
International Silver Company. (See Leech, John, assignor.)
Irish, Charles F., Bratenahl, Ohio. Tree-transplanting device. 1,532,244; Apr. 7.
Ivie, Will E., Washington, D. C. Signal light. 1,532,493; Apr. 7.
Ivory, James W., Philadelphia, Pa. Rubber-dam clamp. 1,532,821; Apr. 7.
Jamison, Clarence. (See Brunson, W. H., and Jamison.)
James, Leslie, Chicago, Ill. Automobile clutch control. 1,532,494; Apr. 7.
Jensen, Elin O., San Francisco, Calif. Hair retainer. 1,532,495; Apr. 7.
Jensen, Peter L. (See Pridham, E. S., and Jensen.)
Jeter, Thomas F., Everett, Wash. Burial vault. 1,532,813; Apr. 7.
John, Elmer N., assignor to Reliable Knitting Works, Milwaukee, Wis. Knitted cap. 1,532,750; Apr. 7.
Johansson, Ernst O. (See Nordström, E. R. I., and Johansson.)
Johle, Henry C., Temple, Tex. Gear shift. 1,532,314; Apr. 7.
Johnson, Arthur A., Washington, D. C., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,751; Apr. 7.
Johnson Bronze Company, The. (See Flaherty, Patrick, J., assignor.)
Johnson, Evan G. (See Long, William, assignor.)
Johnson, John A., College Springs, Iowa. Object-testing apparatus. 1,532,496; Apr. 7.
Johnson, John E., assignor to The Speedaumatic Company, Chicago, Ill. Printing device. 1,532,698; Apr. 7.
Johnson, Lane, assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Rolling-mill-spindle coupling. 1,532,752; Apr. 7.
Jonas, Adrien. (See Getting, G., and Jonas.)
Jones, Ebbert A., Danville, Va. Mattress. 1,532,497; Apr. 7.
Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Automatic film-spooling machine. 1,532,753; Apr. 7.
Jones, Webster N. (See Geer, W. C., and Jones.)
Josephs, Lyman C., jr., Allentown, Pa., assignor to International Motor Company, New York, N. Y. Bogie truck for self-propelled rail cars. 1,532,699; Apr. 7.
Joyce, James D., Philadelphia, Pa. Bobbin-winding machine. 1,532,409; Apr. 7.
Jupp, Alfred E. (See Place, Alfred G., assignor.)
Kagiwada, Ryohei, Washington, D. C. Structural tower. 1,532,410; Apr. 7.
Kahn, Bertrand B., assignor to The Estate Stove Company, Hamilton, Ohio. Toaster. 1,532,184; Apr. 7.
Kaiser, Charles, now by judicial change of name C. Caise, Atlantic City, N. J. Electric-induction water heater. 1,532,498; Apr. 7.
Kaminski, Paul, Berlin-Pankow, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Arrangement for the telecontrol of guns or the like. 1,532,754; Apr. 7.
Kammerer, Fred W. G., Brooklyn, N. Y. Antitheft device. 1,533,007; Apr. 7.
Karbowski, Victor, Chicago, Ill. Pipe cutter. 1,532,315; Apr. 7.
Karpen, S., & Bros. (See Hultgren, Charles R., assignor.)
Kaser, Everett D., assignor to Durabilt Steel Locker Co., Aurora, Ill. Locker lock. 1,532,245; Apr. 7.
Katz, Jack, New York, N. Y. Book end. Des. 66,974; Apr. 7.
Kaufman, Adam W., Milwaukee, Wis. Timer. 1,532,755; Apr. 7.
Kaufman, Adam W., Milwaukee, Wis. Combination step plate and luggage carrier. 1,532,756; Apr. 7.
Kaufman, Adam W., Milwaukee, Wis. Timer. 1,532,757; Apr. 7.
Kaufman, Ferdinand M., Atlanta, Ga. Collapsible box. 1,532,316; Apr. 7.
Kavanaugh, Bedford T., Chicago, Ill. Razor-blade knife. 1,532,499; Apr. 7.
Kay, Edgar B., Washington, D. C. Incinerator. 1,532,758; Apr. 7.
Keating, Daniel A., Bridgeport, and J. B. Tatem, Putnam, assignors of one-half to The American Tube & Stamping Company, Bridgeport, and one-half to J. B. Tatem, Putnam, Conn. Picker stick. 1,532,759; Apr. 7.
Keating, Daniel A., Bridgeport, and J. B. Tatem, Putnam, assignors of one-half to The American Tube & Stamping Company, Bridgeport, and one-half to J. B. Tatem, Putnam, Conn. Picker stick. 1,532,760; Apr. 7.
Keating, Daniel A., Bridgeport, and J. B. Tatem, Putnam, assignors of one-half to The American Tube & Stamping Company, Bridgeport, and one-half to J. B. Tatem, Putnam, Conn. Picker stick. 1,532,761; Apr. 7.
Keating, Daniel A., Bridgeport, and J. B. Tatem, Putnam, assignors of one-half to The American Tube & Stamping Company, Bridgeport, and one-half to J. B. Tatem, Putnam, Conn. Picker stick. 1,532,762; Apr. 7.
Kelser, Charles R., Auburn, Ind., assignor to The Regal Rubber Co., Dayton, Ohio. Rubber half sole. 1,533,008; Apr. 7.
Kellogg Switchboard and Supply Company. (See Currier, H. D., and Shull, assignors.)
Kellogg Switchboard and Supply Company. (See Yanochowski, George A., assignor.)
Kelly, Mike J. (See Younker, W. C., and Kelly.)
Kemp, Irving S., Evansville, Ind. Tool handle. 1,532,822; Apr. 7.
Kennedy, William. (See Noble, W., and Kennedy.)
Kenyon, Percy G., Rochdale, assignor to Turner Brothers Asbestos Company Limited, Spotland, Rochdale, Lancaster, England. Brake band. 1,532,141; Apr. 7.
Kenner, Isaac D., Knoxville, Tenn. Governor. 1,532,763; Apr. 7.
Kercher, Arthur J., Berkeley, Calif. Water heater. 1,532,903; Apr. 7.
Kersten, Julius, Mannheim, Germany. Treatment of alkali-metal chlorides. 1,533,009; Apr. 7.
Kidwell, Anna D., administratrix. (See Kidwell, James A.)
Kidwell, Cleo H. (See Bacon, R. F., and Kidwell.)
Kidwell, James A., deceased, Lakewood; A. D. Kidwell, administratrix, assignor to The Bankers Savings and Credit System Company, Cleveland, Ohio. Coin savings bank. 1,532,411; Apr. 7.
Kidwell, James A., deceased, Lakewood; A. D. Kidwell, administratrix, assignor to The Bankers Savings and Credit System Company, Cleveland, Ohio. Coin savings bank. 1,532,412; Apr. 7.
Kilbourn, George S., Owen Sound, Ontario, Canada. Treatment of magnesite or dolomite. 1,532,500; Apr. 7.
Kiligas, Gustav J., Brooklyn, N. Y. Sewing machine. 1,532,535; Apr. 7.
Kimber, Herbert G., Oakland, Calif. Bake. 1,532,764; Apr. 7.
King, Edward L., Fonda, Iowa. Direction indicator for motor vehicles. 1,532,501; Apr. 7.
King, Van Rensselaer C., Radnor, Pa., assignor to King's Concrete Cross Tie Corporation, New York, N. Y. Concrete and metal crosstie structure. 1,532,589; Apr. 7.
Kingman, Russell B., Orange, assignor to The Chore-Utensils Corporation of America, West Orange, N. J. Scouring implement. 1,532,904; Apr. 7.
King's Concrete Cross Tie Corporation. (See King, Van Rensselaer C., assignor.)
Kingsbury, Edmund W., Framingham, Mass. Eyeshield. 1,532,317; Apr. 7.
Kinsella, William P., Bayside, assignor of one-half to B. G. Ball, Astoria, and one-half to C. F. Heerlein, Long Island City, N. Y. Hand truck. 1,532,700; Apr. 7.
Kinslow, Henry M., Santa Ana, Calif. Pattern. 1,533,010; Apr. 7.
Kirby, Regina B., Somerville, N. J. Corset. 1,532,823; Apr. 7.
Kirby, Robert H., St. Louis, Mo. Washing machine for light household service. 1,532,185; Apr. 7.
Kirkham, Charles B. (See Lent, L. B., and Kirkham.)
Kisinger, William S., assignor to The Donaldson Art Sign Company, Covington, Ky. Panel-manufacturing device. 1,532,318; Apr. 7.
Kistler, A. M., et al. (See Mays, James F., assignor.)
Kita, Otonosuke, Irvington, Calif. Stationary knife. 1,532,413; Apr. 7.
Kittelson, Halmer C., assignor to R. O. Olson, Minneapolis, Minn. Combination smoking set and advertising device. 1,532,590; Apr. 7.
Kiser, William H., Beggs, Okla. Weight-motor governor. 1,532,142; Apr. 7.
Klein, Benjamin F., Chicago, Ill. Game of skill. 1,532,186; Apr. 7.
Klingelhöffer, Reinhard, Werden-Ruhr, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Turbine locomotive. 1,532,319; Apr. 7.
Kmentt, Waldemar D. (See Gammeter, J. R., and Kmentt.)
Knagge, Roy S., New York, N. Y. Toy construction. 1,533,011; Apr. 7.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Dome light. Des. 66,975; Apr. 7.
Knapp, Archer L., assignor to Packard Motor Car Company, Detroit, Mich. Robe support and handle. 1,532,320; Apr. 7.
Knoll, Charles H., Oakmont, Pa. Rail anchor. 1,532,414; Apr. 7.

Knight, Remi C. (See Corey, W. G., Knight, and Champion.)
Knowlton, Harry W., assignor to Knowlton & Newton Co., Inc., Lowell, Mass. Picker air intake. 1,532,415; Apr. 7.
Knowlton & Newton Co. (See Knowlton, Harry W., assignor.)
Knox, George F., Milwaukee, Wis. Refrigerating apparatus. 1,532,824; Apr. 7.
Koehring Company. (See Lichtenberg, Erich H., assignor.)
Koehring Company. (See Trester, Herault A., assignor.)
Kopprasch, Alexander H., Chicago, Ill., assignor to Electric Service Supply Co., Philadelphia, Pa. Coil-winding machine. 1,532,187; Apr. 7.
Koretsky, Israel, et al. (See Koretzky, H. M., and Teitelbaum, assignors.)
Koretzky, Harry M., and B. H. Teitelbaum, Brooklyn; said Teitelbaum assignor to said Harry M. and I. Koretzky, New York, N. Y. Dry-cell battery. 1,533,012; Apr. 7.
Kottke, Rudolph A., Detroit, Mich. Bake-pan lifter. 1,532,246; Apr. 7.
Kottke, Rudolph A., Detroit, Mich. Pan lifter. 1,532,247; Apr. 7.
Kosminski, William W., Milwaukee, Wis. Curtain-rod fixture. 1,532,701; Apr. 7.
Krakes, James, Chicago, Ill. Lithographic printing plate and preparing the same. 1,532,188; Apr. 7.
Krentler, Walter A., Detroit, Mich. Hinge last. 1,533,066; Apr. 7.
Kress, Claude W., New York, N. Y. Card support. 1,532,536; Apr. 7.
Krokavetz, Eugene, Cleveland, Ohio. Ignition timer. 1,532,501; Apr. 7.
Kuhlmann, Arthur H., St. Louis, Mo. Weather strip. 1,532,321; Apr. 7.
Kurtis, Angelos, Brooklyn, N. Y. Life-preserving suit. 1,532,143; Apr. 7.
Kutina, Joseph P., Cicero, Ill. Rim-operating tool. 1,532,416; Apr. 7.
Ladd, James B., Ardmore, Pa., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Method and apparatus for centrifugal casting. 1,532,537; Apr. 7.
Lamont, Lewis H., Chicago, Ill. Thermostatically-controlled heating element. 1,532,189; Apr. 7.
Landis Tool Company. (See Stoner, Paul, assignor.)
Lane, George, assignor to Lane Brothers Company, Poughkeepsie, N. Y. Lifting jack. 1,532,702; Apr. 7.
Lane, James H., Richfield, Idaho. Door catch. 1,532,322; Apr. 7.
Lane Brothers Company. (See Lane, George, assignor.)
Langston, Samuel M., Wenonah, N. J. Manufacture of shingle strips. 1,532,538; Apr. 7.
Larned, William A., Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Controlling the elasticity of an elastic-metal stringing. 1,532,703; Apr. 7.
Larsen, Charles F., Chicago, Ill. Gas lighter. 1,533,013; Apr. 7.
Lassagne, Victor F., Chicago, Ill. Subsoil packer. 1,533,014; Apr. 7.
Laudan, William L., Sterling, Colo. Vaporizer for internal-combustion engines. 1,532,248; Apr. 7.
Laughlin, James T., Santa Barbara, Calif. Eyeglass mounting. 1,532,323; Apr. 7.
Lawler, James J., Mount Vernon, N. Y. Thermostatic urinal automatic flushing apparatus. 1,532,905; Apr. 7.
Lawrence, Harry G., Salt Lake City, Utah. Flush valve. 1,532,324; Apr. 7.
Lawrence, Joseph L., assignor to Herzog Electric & Engineering Company, San Francisco, Calif. Electric heater. 1,532,502; Apr. 7.
Layne & Bowler Corporation. (See Layne, Mahlon E., assignor.)
Layne, Mahlon E., Houston, Tex., assignor to Layne & Bowler Corporation, Los Angeles, Calif. Forming well screens. 1,532,592; Apr. 7.
Layng, Haral R., deceased, San Francisco, Calif.; H. P. Layng, administratrix. Chloridizing volatilization process. 1,532,503; Apr. 7.
Layng, Hattie F., administratrix. (See Layng, Haral R.)
Layton, Frank, Houston, Tex. Wooden tub. 1,533,015; Apr. 7.
Le Blond, R. K., Machine Tool Company, The. (See Greene, William F., assignor.)
Ledin, Charles, assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock. 1,532,765; Apr. 7.
Ledru, Marcel J. L., and E. J. Bachman, Roussillon, assignors to Societe Chimique des Usines du Rhone, Paris, France. Manufacture of acetaldehyde. 1,532,190; Apr. 7.
Lee, Gock Y., San Francisco, Calif. Producing forms. 1,532,325; Apr. 7.
Leech, John, assignor to International Silver Company, Bridgeport, Conn. Spoon or similar article. Des. 66,976; Apr. 7.
Leech, Stanley, Detroit, Mich. Wringer. 1,532,016; Apr. 7.
Leibowitz, Isaac, Brooklyn, N. Y. Calendar. 1,532,906; Apr. 7.
Leidy, Daniel D., Boyertown, Pa. Catch. 1,533,017; Apr. 7.
Le Mare, Ernest B., St. Helens, assignor to Pilkington Brothers Limited, Liverpool, England. Apparatus for producing a continuous strip of glass. 1,532,704; Apr. 7.
Leming, Elmer E., Salt Lake City, Utah. Device for the application of power. 1,532,191; Apr. 7.
Lent, Leon B., New York, and C. B. Kirkham, Garden City, N. Y. Fluid-transfer device. 1,532,326; Apr. 7.
Leopold, Cassella & Co., Gesellschaft mit beschränkter Haftung. (See Müns, Ferdinand, assignor.)
Leslie, John W., Evanston, Ill. Joint. 1,532,825; Apr. 7.
Lessing, Rudolf, London, England. Treament of coal. 1,532,826; Apr. 7.
Letts, William T., St. Joseph, Mo. Convertible table settee. 1,532,417; Apr. 7.
Levin, Abram, Simferopol, Russia. Method and apparatus for measuring pulsating pressures. 1,532,705; Apr. 7.
Levy, Abraham H., New York, N. Y. Container. 1,532,766; Apr. 7.
Lewis, George C., Philadelphia, Pa. Rotary fan. 1,532,827; Apr. 7.
Lewis, Henry C., assignor of one-half to J. Gibson, Ontario, Wis. Combined ironing board and ladder. 1,532,418; Apr. 7.
Lewis, Henry G., assignor to Electric Service Supplies Company, Philadelphia, Pa. Headlight. 1,532,598; Apr. 7.
Lichtenberg, Erich H., assignor to Koehring Company, Milwaukee, Wis. Automatic power discharge chute. 1,532,249; Apr. 7.
Lichtenfeld, Leopold, Vienna, Austria. Parquetry-slat flooring. 1,532,504; Apr. 7.
Lichtenstein, William C. (See Roberts, Isaiah L., assignor.)
Lieberman, George, Galveston, Tex. Separator. 1,533,018; Apr. 7.
Lincoln, Buford G. (See Hood, Harry H., assignor.)
Lincoln Meter Company Limited. (See Paine, Louis A., assignor.)
Lindemann, Albert J., assignor to A. J. Lindemann & Hoverson Company, Milwaukee, Wis. Toaster. 1,533,078; Apr. 7.
Lindemann, A. J., & Hoverson Company. (See Lindemann, Albert J., assignor.)
Lindemann, Emily A., New York, N. Y. Brassière. 1,532,250; Apr. 7.
Link, Albert and L. W., Brooklyn, N. Y.; said L. W. Link assignor to said Albert Link. Coupler for masks. 1,533,019; Apr. 7.
Link, Harry C., Traverse City, Mich. Shipping basket. 1,532,144; Apr. 7.
Link, Lester W. (See Link, Albert and L. W.)
Lipener, B. B., et al. (See Girard, Alfred O., assignor.)
Little, Leon M., Dublin, Ga. Fire escape. 1,532767; Apr. 7.
Little, Leon M., Dublin, Ga. Fire escape. 1,532,768; Apr. 7.
Lloyd, George F., Brighton, and F. B. Clapp and F. H. Campbell, Melbourne, assignors to Commonwealth White Lead and Paints Proprietary Limited, Brighton, Victoria, Australia. Manufacture of white lead. 1,532,419; Apr. 7.
Lockwood, George D., and W. H. Wakefield, assignors to Crompton & Knowles Loom Works, Worcester, Mass. Tube frame for Axminster looms. 1,532,145; Apr. 7.
Locomotive Pulverized Fuel Company. (See Caracristi, Virginius Z., assignor.)
Lollis, Benjamin F., Berwyn, assignor of one-half to O. S. Flath, Chicago, Ill. Signal blade. 1,532,828; Apr. 7.
Long, George A., assignor to The Gray Telephone Pay Station Company, Hartford, Conn. Telephone pay station. 1,532,706; Apr. 7.
Long, William, assignor of one-half to E. G. Johnson, Parma, Idaho. Fluid-pressure regulator. 1,532,907; Apr. 7.
Lord, Sam S., Whitefield, England. Machine for treating hanks of yarn. 1,532,420; Apr. 7.
Lorraine, David G., Los Angeles, Calif. Valve. 1,532,251; Apr. 7.
Louis, Terrence G. (See Brown, P., Hendrickson, Clark, and Louis.)
Lowe, William S., Haverhill, Mass. Plastic composition for articles of manufacture. 1,532,908; Apr. 7.
Lubac, Alfred, Paris, France. Machine for composing and justifying lines of printing types. 1,532,909; Apr. 7.
Lubberger, Fritz. (See Flad, A., and Lubberger.)
Lucas, Harry W. (See Cleland, James E., assignor.)
Luppino, Frank, Watkins, N. Y. Invisibly-stitched seam and making same. 1,532,327; Apr. 7.
Luscher, Herman, Far Rockaway, N. Y. Can opener. 1,532,594; Apr. 7.
Lyde, Charles H., Dorridge, England. Portable receptacle suitable for containing and displaying articles such as travelers' samples. 1,532,146; Apr. 7.
Lyness, Horatio S., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating vamps. 1,532,589; Apr. 7.
Lyon, Babet R. H. (See Lyon, De Witt T., assignor.)

Lyon, De Witt T., assignor of one-half to B. R. H. Lyon, Chicago, Ill. Ventilating device. 1,532,505; Apr. 7.
MacArthur Concrete Pile & Foundation Co. (See Newton, Donald M., assignor.)
MacDonald, Lionel H., Kansas City, Mo. Motor-vehicle fender guard. 1,532,508; Apr. 7.
MacDougall, Hugh K. (See Van Dyke, Gerald M., assignor.)
Maclnnes, Hugh, Jersey City, N. J., and W. J. Riley, Boston, Mass. Shingle fastener. 1,532,421; Apr. 7.
MacKenzie, John S., Delaware, Ohio. Window ventilator. 1,532,628; Apr. 7.
MacPherson, Kenneth, Nanton, Alberta, Canada. Combination tool. 1,532,147; Apr. 7.
Mader, Herman F., Portland, Oreg. Mixer for gasoline engines. 1,532,770; Apr. 7.
Madison-Kipp Corporation. (See Coleman, Thomas E., assignor.)
Madlem, John D., Lititz, Pa. Cigar-head-forming plate. 1,532,422; Apr. 7.
Madsen, Martin, Monterey Park, assignor of one-half to P. Madsen, Los Angeles, Calif. Hose clamp. 1,532,596; Apr. 7.
Madsen, Peter. (See Madsen, Martin, assignor.)
Magee, Chauncey L. C., Chicago, Ill. Friction brake mechanism. 1,532,629; Apr. 7.
Magnavox Company, The. (See Pridham, E. S., and Jensen, assignors.)
Mahood, Frank, Amity, Oreg. Steering mechanism for tractors. 1,532,509; Apr. 7.
Major, Alfred, Holland, N. Y. Can holder. 1,532,913; Apr. 7.
Makarewicz, Marius K., Courbevoie, Seine, France. Apparatus for boring the connecting rods and bearings of internal-combustion engines. 1,532,914; Apr. 7.
Malloy, Irene, Fort Wayne, Ind. Lady's combination hat. 1,532,193; Apr. 7.
Malone, Mackey K., Wills Point, assignor of one-half to D. L. Sanders, Wills, Tex. Cotter key. 1,532,148; Apr. 7.
Manville Jenckes Company. (See Brewster, Franklin W., assignor.)
Marceau, Joseph A., Montreal, Quebec, Canada. Container. 1,532,830; Apr. 7.
Margetson, Oliver, and W. P. Widdowson, London, England. Internal-combustion-engine piston. 1,532,915; Apr. 7.
Markel, Joseph, Buffalo, N. Y. Electric-light bowl. Des. 66,977; Apr. 7.
Markwick, Fred, Detroit, Mich. Tire and combination tire protector and antiskid device. 1,532,425; Apr. 7.
Marshall, Charles J., assignor to P. B. Yates Machine Company, Beloit, Wis. Electric-motor controller for woodworking machines. 1,532,428; Apr. 7.
Martin, Berent, San Francisco, Calif. Doorknob. Des. 66,978; Apr. 7.
Martin, William F., assignor to Penn Spring Works Inc., Baldwinsville, N. Y. Display plate for automobile bumpers. 1,533,068; Apr. 7.
Martin, William F., assignor to Penn Spring Works Inc., Baldwinsville, N. Y. Tie-plate for automobile bumpers. 1,533,069; Apr. 7.
Martin, William H., Davenport, Iowa. Baling machine. 1,532,194; Apr. 7.
Martus, Martin L., Woodbury, and E. H. Becker and H. B. Schoenmehl, Waterbury, Conn. Providing and releasing oil in battery solutions. 1,532,252; Apr. 7.
Marx, Louis, New York, N. Y. Toy savings bank. 1,532,424; Apr. 7.
Maryland Baking Company. (See Gerber, David, assignor.)
Mason, Arch L., Meadville, Pa. Window construction. 1,532,916; Apr. 7.
Massey Concrete Products Corporation. (See Hobson, John S., assignor.)
Mastin, Marion G., Canajoharie, N. Y. Preserving and packing of foods. 1,532,831; Apr. 7.
Masury, Alfred F., assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,532,541; Apr. 7.
Mather, Raymond, Holyoke, Mass. Finger-nail file. 1,533,020; Apr. 7.
Mather, Raymond, Holyoke, Mass. Mop wringer and pail. 1,533,021; Apr. 7.
Mathews Conveyer Company. (See Buck, Herman J., assignor.)
Mathews, Theodore R., Cleveland, Minn. Safety clothespin. 1,532,510; Apr. 7.
Maxon, Harry R. (See Burns, W. G., and Maxon.)
Mayoux, Barthelemy, St.-Etienne, France. Machine for treating skeins or hanks in dyeing rooms. 1,532,707; Apr. 7.
Mayo, James F., Lexington, N. C., assignor of one-fourth to A. M. Kistler, Morganton, and one-fourth D. E. Rhyne, Lincolnton, N. C. Calculating machine. 1,532,832; Apr. 7.
McCall, Wo Witt C., jr. (See Gist, William V., assignor.)
McCann, Laurence V., Jeannette, Pa. Glass-cutting table. 1,532,910; Apr. 7.
McConnell-Browning Engineering Company, The. (See McConnell, Harry R., assignor.)
McConnell, Harry R., assignor to The McConnell-Browning Engineering Company, Richmond, Va. Chuck. 1,532,328; Apr. 7.
McConnell, Harry R., assignor to The McConnell-Browning Engineering Company, Richmond, Va. Chuck. 1,532,329; Apr. 7.
McDowell, James K. (See Fay, Joseph G., assignor.)
McEachron, Edgar J. (See Graves, J., Balderston, and McEachron.)
McElroy, Charles H., Indianapolis, Ind. Safety device for windows. 1,532,769; Apr. 7.
McGregor, Donald, Tacoma, Wash. Steam and air heater. 1,532,506; Apr. 7.
McIalwain, Ray H., Jackson, Minn. End-gate construction. 1,532,540; Apr. 7.
McKowen, John L., Sapulpa, Okla. Water-circulation unit for boilers. 1,532,507; Apr. 7.
McLain, Eugene K., Webster City, Iowa. Spring wheel. 1,532,911; Apr. 7.
McLaughlin, John C., East Orange, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,192; Apr. 7.
McMahan, Earl, Portland, Oreg., assignor of one-half to A. L. Hagar, Council, Idaho. Collapsible grate. 1,532,912; Apr. 7.
McMannis, George L., Los Angeles, Calif. Mechanical toy. 1,532,595; Apr. 7.
McMillan, Henry L., Chicago, Ill. Sewage-flow regulator. 1,532,829; Apr. 7.
McNelly, Harry, Claymont, Del. Spruce plate for ingot molds. 1,533,067; Apr. 7.
Mead, Delmer M., et al. (See Burmeister, Paul, assignor.)
Mead, Thaddeus, New Haven, Conn. Artificial bait. 1,533,022; Apr. 7.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electric-welding jig. 1,532,833; Apr. 7.
Medical Electric Apparatus Corporation. (See Winterfield, Arthur, assignor.)
Meltz, Meyer N., Atlanta, Ga. Coupling. 1,532,511; Apr. 7.
Meredith, Owen, Morgantown, W. Va. Water ski. 1,533,023; Apr. 7.
Meredith, William, S. A. D. Cox, Huntington Beach, and W. L. Foster, Whittier, Calif. Flow-nozzle structure. 1,532,253; Apr. 7.
Meredith, William, Huntington Beach, assignor of one-third to V. W. Bailey, Pasadena, and one-third to W. H. Taylor, South Pasadena, Calif. Rotary underreamer. 1,532,917; Apr. 7.
Metal Specialties Mfg. Company. (See Berg, John, assignor.)
Metal Specialties Manufacturing Company. (See Wille, Carl L., assignor.)
Metcalf, Walter E., Hudson Falls, assignor to Process Engineers, Inc., New York, N. Y. Preventing froth on paper machines. 1,532,597; Apr. 7.
Metcalfe, William H., et al. (See Arundel, Thomas R., assignor.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Arrangement for launching aeroplanes in the air from the ground or from a vessel. 1,532,630; Apr. 7.
Metz, Charles W., Sidney, Nebr. Ford motor attachment. 1,532,426; Apr. 7.
Metzger, Richard, Heidelberg, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Treatment of cellulose esters for dyeing. 1,532,427; Apr. 7.
Metz-Metzetti, Charlie, New York, N. Y. Radiocabinet. Des. 66,979; Apr. 7.
Meyer, Gottfried, St. Paul, Minn. Preparing cheese. Re16,039; Apr. 7.
Meyer, Kurt, Mannheim, and L. Orthner, Freiburg-Breisgau, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Producing formic-acid derivatives. 1,532,428; Apr. 7.
Meyer, William K., New York, N. Y. Necktie. 1,532,598; Apr. 7.
Michel, Josef. (See Suchy, R., and Michel.)
Miller, Fred W., Seymour, Conn. Self-heated tool. 1,532,024; Apr. 7.
Miller, Robert L., Dallas, Tex. Fixture for poultry houses and coops. 1,532,429; Apr. 7.
Miller, Thomas S., South Orange, N. J. Thrusting mechanism. 1,532,542; Apr. 7.
Miller, William J., Swissvale Borough, Pa. Process and apparatus for controlling the feeding of glass. 1,532,254; Apr. 7.
Miller, William J., Swissvale Borough, Pa. Transporting glass articles. 1,532,255; Apr. 7.
Milling, H. H., et al. (See Hayes, W. F., and Armstrong, assignors.)
Millspaugh, William H., Sandusky, Ohio. Antifriction journal bearing. 1,532,430; Apr. 7.
Minerals Separation North American Corporation. (See Smith, Harold H., assignor.)
Mitchell, Alexander F., Frost, Tex. Headlight. 1,532,431; Apr. 7.
Mitchell, Donald H., Chattanooga, Tenn., assignor of one-half to H. A. W. Howcott, New Orleans, La. Automatic expanding oil drill. 1,532,330; Apr. 7.

Moens, Neeltje L. W.-L. (See Ringeling, H. G., and Moens.)
Moller, Wilhelm, Lewistown, assignor to Easy Pan Greasing Machine Co., Philadelphia, Pa. Pan-greasing machine. 1,532,256; Apr. 7.
Mols, Emil, Halle-on-the-Saale, assignor to the Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Fungicide, insecticide, and bactericide compound. 1,532,631; Apr. 7.
Monarch Tractors Incorporated. (See Webb, Arthur B., assignor.)
Montoya, Tib, El Valle, assignor of one-half to J. C. Gallegos, Espanola, N. Mex. Wheeled cultivator. 1,532,331; Apr. 7.
Moon Brothers Manufacturing Company. (See Snell, Samuel A., assignor.)
Moore, Irving B., Watertown, Mass. Baseball game. 1,532,708; Apr. 7.
Moore, Langdon, assignor to W. P. Murphy, Chicago, Ill. Sheet-metal car-end construction. 1,532,918; Apr. 7.
Moore, Thomas B. (See Durham, Carroll E., assignor.)
Moore, William E., Beaver, Pa., assignor to Pittsburgh Research Corporation. Electric furnace. 1,532,599; Apr. 7.
Morgan Construction Company. (See Carroll, Elbert H., assignor.)
Morley Button Manufacturing Company. (See Batchelder, Edward C., assignor.)
Morrell, Albert H. (See Wishart, W., and Morrell.)
Morrill, Richard R., Palo Alto, Calif. Heating and ventilating system. 1,532,709; Apr. 7.
Morrison, Abraham L., Dubuque, Iowa. Swivel-joint coupling. 1,532,195; Apr. 7.
Morse & Burt Co. (See Morse, Raymond P., assignor.)
Morse, Raymond P., Scarsdale, assignor to Morse & Burt Co., Inc., Brooklyn, N. Y. Method and apparatus for fitting shoes. 1,532,432; Apr. 7.
Mossberg, Frank, assignor to Mossberg Pressed Steel Corporation, Attleboro, Mass. Tuft-yarn spool. 1,532,600; Apr. 7.
Mossberg Pressed Steel Corporation. (See Mossberg, Frank, assignor.)
Mowry, Edward, Rock Falls, Ill., assignor to International Harvester Company. Hayrake loader. 1,533,025; Apr. 7.
Moylan, George D., assignor to American Standard Watch Case Company, Providence, R. I. Watchcase. Des. 66,998; Apr. 7.
Moylan, George D., assignor to American Standard Watch Case Company, Providence, R. I. Watchcase. Des. 66,999; Apr. 7.
Moylan, George D., assignor to American Standard Watch Case Company, Providence, R. I. Watchcase. Des. 67,000; Apr. 7.
Muckenhirn, Charles H., Detroit, Mich. Light. 1,532,332; Apr. 7.
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, Albert B., assignor to A. Ehle, Chicago, Ill. Windshield. 1,532,257; Apr. 7.
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Water-supply fixture. 1,532,433; Apr. 7.
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Double cock. 1,532,434; Apr. 7.
Müller, Johann C. (See Halank, Gustav F., assignor.)
Müller, Maximilian, Tempelhof, near Berlin, Germany. Band brake acting in both directions of rotation. 1,532,919; Apr. 7.
Muller, Walter. (See Faber, J. P., and Muller.)
Mundell, Ralph B., Chicago, Ill. Vehicle wheel. 1,532,196; Apr. 7.
Munson, Sweney, Fowler, Colo. Tractor. 1,532,920; Apr. 7.
Müns, Ferdinand, Fechenheim-on-the-Main, Germany, assignor to Leopold Cassella & Co., Gesellschaft mit beschränkter Haftung. Process for dyeing with dyestuffs or dyestuff-producing bodies insoluble or sparingly soluble in water. 1,532,921; Apr. 7.
Murdock, James A., Tulsa, Okla. Fuel valve. 1,532,512; Apr. 7.
Murphy, Daniel F., Galveston, Tex. Propeller. 1,532,333; Apr. 7.
Murphy, George J., Buenos Aires, Argentina. Rolling mill. 1,533,026; Apr. 7.
Murphy, P. H., Company. (See Bonsall, Charles D., assignor.)
Murphy, Walter P., assignor to Union Metal Products Company, Chicago, Ill. End wall structure for railway cars. 1,532,922; Apr. 7.
Murphy, Walter P. (See Moore, Langdon, assignor.)
Murray, Walter E., Fort Dodge, Iowa, assignor, by mesne assignments, to Peoples Investment Company. Auxiliary safe and vault lock. 1,532,435; Apr. 7.
Musil, Joseph M., Cleburne, Kans. Posting tray. 1,532,436; Apr. 7.
Mutschler, William, trustee. (See Szekely, Otto E., assignor.)
Naamlooze Vennootschap: Nederlandsche Gist- en Spiritusfabriek. (See Nijk, Dirk R., assignor.)
Naamlooze Vennootschap Norit Witzuiker Maatschappij (also called Norit White Sugar Company). (See Sauer, Johan N. A., assignor.)
Nagle, Matilda, Brooklyn, N. Y. Dyeing machine. 1,532,923; Apr. 7.
National Aniline & Chemical Company. (See Young, J., and Croakman, assignors.)
National Brake & Electric Company. (See Aikman, Burton S., assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Gauge & Equipment Company. (See Padesky, John R., assignor.)
Naugatuck Chemical Company, The. (See Cadwell, Sidney M., assignor.)
Neilegar, John B., jr., Chicago, Ill. Satchel. 1,532,710; Apr. 7.
Nelson, Gustave C., assignor to Borg & Beck Company, Moline, Ill. Vacuum feed system. 1,532,258; Apr. 7.
Nelson, Nels T., Attleboro, assignor to J. F. Sturdy's Sons Co., Attleboro Falls, Mass. Bracelet. 1,532,334; Apr. 7.
Nelson, William E., Kansas City, Mo. 1,532,924; Apr. 7.
Newcomb, Ralph W., Green Village, N. J. Controlling and temperature-comparing system. 1,532,543; Apr. 7.
Newman, A. L., Company. (See Newman, Almyr L., assignor.)
Newman, Almyr L., Warwick, R. I., assignor, by mesne assignments, to A. L. Newman Company, Cranston, R. I. Clasp for bracelets and like articles of jewelry. 1,532,632; Apr. 7.
Newman, Hugo, New York, N. Y. Attachment for cameras. 1,532,544; Apr. 7.
Newton, Donald M., Montclair, N. J., assignor to MacArthur Concrete Pile & Foundation Co., Inc., New York, N. Y. Method and apparatus for the formation of piling. 1,532,711; Apr. 7.
Nicholas, Wilbur H., Indianapolis, Ind. Dustpan. 1,532,197; Apr. 7.
Nicoll, Leonard G., London, England. Decorated or ornamental woodwork and other structural materials. 1,533,027; Apr. 7.
Nielsen, Andrew C., Chicago, Ill. Dresser lamp. 1,532,259; Apr. 7.
Nielsen, Peter T., Kolding, Denmark. Hand tool for connecting telephone and like wires to insulators. 1,532,771; Apr. 7.
Nijk, Dirk R., Leiden, assignor to Naamlooze Vennootschap: Nederlandsche Gist- en Spiritusfabriek, Delft, Netherlands. Producing nonperoxidizable ether. 1,532,772; Apr. 7.
Nilson, John L., and J. F. Prince, Chicago, Ill. Tire pump. 1,532,198; Apr. 7.
Noble, William, and W. Kennedy, Fort Dodge, Iowa. Roadway. 1,532,638; Apr. 7.
Nord, Peter, Lestock, Saskatchewan, Canada. Safety attachment for shipping platforms and the like. 1,532,335; Apr. 7.
Nordström, Ernst R. I., and E. O. Johansson, assignors of one-half to H. T. Tillquist, Stockholm, Sweden. Mounting the heating elements in electric heating apparatus. 1,532,773; Apr. 7.
Norman, John E., Leicester, England. Duplicator. 1,532,925; Apr. 7.
North Manchester Foundry Company. (See Stauffer, John, assignor.)
Noteboom, Hubert, Philadelphia, Pa. Punching die. 1,532,926; Apr. 7.
Nottage, William H., Ruislip, and T. D. Parkin, Chelmsford, England, assignors to Radio Corporation of America: Wireless-telegraph calling device. 1,532,336; Apr. 7.
Nowland, Theopolis, Newport, R. I. Safety hook. 1,532,927; Apr. 7.
O'Brien, William H., Denver, Colo. Belt. 1,532,437; Apr. 7.
O'Connell, Edward M. (See Barksdale, I. R., and O'Connell.)
O'Connor, Michael J., Bloomingdale, N. J. Muffler. 1,532,928; Apr. 7.
Ogden, J. Edward. (See Tomkinson, Charles C., assignor.)
O'Hearn, George E., assignor to O'Hearn Manufacturing Company, Gardner, Mass. Baby-carriage body. 1,532,337; Apr. 7.
O'Hearn Manufacturing Company. (See O'Hearn, George E., assignor.)
Olin, John M., H. H. Wood, and J. B. Smith, assignors to Western Cartridge Company, East Alton, Ill. Method of and apparatus for capping detonators. 1,532,929; Apr. 7.
Oliver, John R., Medfield, assignor to Reece Shoe Machinery Company, Boston, Mass. Stopping and starting mechanism for shoe stitching or other machines. 1,532,634; Apr. 7.
Olson, Ben S., St. Joseph, Mo. Paper-edging machine. 1,532,149; Apr. 7.
Olson, Harald T., Elsie, Nebr. Pipe lifter. 1,532,150; Apr. 7.
Olson, Rasmus O. (See Kittelson, Halmer C., assignor.)
O'Neill, John H., Springfield, Mo. Producing heat. 1,532,930; Apr. 7.
Onepiece Bifocal Lens Company. (See Bugbee, Lucian W., assignor.)
Onepiece Bifocal Lens Company. (See Bugbee, Lucian W., jr., assignor.)

Orchard, Herman C., assignor to Orchard Paper Company, St. Louis, Mo. Producing configured paper. 1,532,712; Apr. 7.

Orchard Paper Company. (See Orchard, Herman C., assignor.)

O'Rourke, Thomas F. (See Chalupa, E., and O'Rourke.)

Orthner, Ludwig. (See Meyer, K., and Orthner.)

Osbun, Justin E., Riverside, Calif. Ceiling ventilator. 1,532,635; Apr. 7.

Osthoff, Walter, Barmen, Germany. Cloth-singeing device. 1,532,260; Apr. 7.

Ostrander, John W., Madison, Wis. Hoist construction. 1,532,151; Apr. 7.

Ottesén, Anton J., Copenhagen, Denmark. Direct cooling of goods. 1,532,931; Apr. 7.

Otto, Erich, Stettin-Pedejuch, Germany. Flying machine. 1,532,152; Apr. 7.

Otto, Werner, Berlin, Germany. Apparatus for generating and applying vapors for hygienic or cosmetic purposes. 1,532,199; Apr. 7.

P. S. L. Company. (See Pierce, Silas A., jr., assignor.)

Packard Motor Car Company. (See Knapp, Archer L., assignor.)

Packard Motor Car Company. (See Vincent, Jesse G., assignor.)

Packard Motor Car Company. (See Woolson, Lionel M., assignor.)

Padesky, John R., assignor to National Gauge & Equipment Company, La Crosse, Wis. Pressure gauge. 1,532,932; Apr. 7.

Page, John W., Chicago, Ill. Swivel coupling. 1,532,774; Apr. 7.

Page, John W., Chicago, Ill. Excavating shovel. 1,532,775; Apr. 7.

Page, Victor W., New York, N. Y. Packing for engine crank cases. 1,532,933; Apr. 7.

Paine, Louis A., assignor to Lincoln Meter Company Limited, Toronto, Ontario, Canada. Graphic electric meter. 1,532,438; Apr. 7.

Pallenberg, Emil, Clinton, Conn. Apparatus for animal acrobats. 1,532,338; Apr. 7.

Palmer, Tom A., Akron, Ohio. Match-box-filling machine. 1,532,153; Apr. 7.

Palmgren, Philip, assignor to J. C. Culver, Yates Center, Kans. Automobile brake-operating means. 1,532,934; Apr. 7.

Paper Novelty Mfg. Co. (See Robichaud, Walter, assignor.)

Pardee, Harvey S., Chicago, Ill. Pump. 1,532,439; Apr. 7.

Parke, Edward H., Findlay, Ohio. Wheeled toy. 1,532,339; Apr. 7.

Parkin, Thomas D. (See Nottage, W. H., and Parkin.)

Parsons, George K., Detroit, Mich. Advertising device. 1,532,713; Apr. 7.

Partlow, Howard W., Utica, N. Y. Heat control for industrial ovens. 1,532,840; Apr. 7.

Partridge, Thomas O., North Sydney, New South Wales, Australia. Rotary brickmaking machine. 1,532,440; Apr. 7.

Pathe Cinema, Anciens Etablissements Pathe Freres. (See Gauriat, Pierre S., assignor.)

Patterson, Ian D., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Machine for making fibrous composition. 1,532,660; Apr. 7.

Patton, John S., University, Va. Device for electrically illuminating card cabinets. 1,532,935; Apr. 7.

Patzig, Monroe L., Des Moines, Iowa. Block for paving and the like and making the same. 1,532,636; Apr. 7.

Paul, Leon R., Chicago, Ill. Bathtub. 1,532,714; Apr. 7.

Paul, Sydney, assignor to Superior Motor Coach Body Co., Lima, Ohio. Chair. Des. 66,980; Apr. 7.

Pearson, Charles, Chicago, Ill., assignor to International Harvester Company. Mower. 1,533,028; Apr. 7.

Pearson, Charles H. (See Bold, Fredrick W., assignor.)

Pearson, Charles H., Brookline, Mass. Locking device for fuses and the like. 1,532,341; Apr. 7.

Peck, Jacob G., Portland, Oreg. Ice-cream-hardening room. 1,532,936; Apr. 7.

Pedersen, Walter B., Mount Vernon, N. Y. Golf club. 1,532,545; Apr. 7.

Peeler, Dock J., Nashville, Tenn. Piston for internal-combustion motors. 1,532,937; Apr. 7.

Peeler, Dock J., Nashville, Tenn. Piston ring. 1,532,938; Apr. 7.

Penn Spring Works Inc. (See Martin, William F., assignor.)

Penny, Frederick G., London, England. Crucible furnace. 1,532,154; Apr. 7.

Peoples Investment Company. (See Murray, Walter E., assignor.)

Pepe, Gustave A., jr., Lynchburg, Va. Stabilizer. 1,532,939; Apr. 7.

Peres, David and H. E., Buffalo, N. Y. Flag. Des. 66,981; Apr. 7.

Peres, Henrietta E. (See Peres, David and H. E.)

Perkins, Augustus T., Oak Park, assignor to Webster Mfg. Company, Chicago, Ill. Car shifter. 1,532,261; Apr. 7.

Permatite Company, The. (See Bolker, Edwin, assignor.)

Petersén, Wilhelm H., Gamla Posten, Ludvika, Sweden. Plug contact. 1,532,200; Apr. 7.

Peterson, Clarence N., Polk, Nebr. Hog waterer. 1,532,940; Apr. 7.

Petrarca, Anthony, Cleveland, Ohio. Extension table. 1,532,715; Apr. 7.

Philadelphia Storage Battery Company. (See Holland, Walter E., assignor.)

Phillips, John E., assignor to Albert Pick & Company, Chicago, Ill. Plate or similar article. Des. 66,982; Apr. 7.

Phillips, John E., assignor to Albert Pick & Company, Chicago, Ill. Plate or similar article. Des. 66,983; Apr. 7.

Pick, Albert, & Company. (See Phillips, John E., assignor.)

Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Caddy bag. 1,532,941; Apr. 7.

Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe. 1,532,942; Apr. 7.

Pierce, Paul, Chicago, Ill., assignor to Pierce Wrapping Machine Co. Adjustable supporting mechanism. 1,532,201; Apr. 7.

Pierce, Silas A., jr., Pawtucket, R. I., assignor to P. S. L. Company, Attleboro, Mass. Steering wheel for automobiles. 1,532,342; Apr. 7.

Pierce Wrapping Machine Co. (See Pierce, Paul, assignor.)

Pierson, Charles A., Sharon, Pa. Truck aligning and spiking device. 1,533,071; Apr. 7.

Pigg, Joseph S., Owendale, Mich. Chalkless billiard-cue tip. 1,532,943; Apr. 7.

Pike, William A., Ottawa, Ill. Cigarette holder. 1,532,262; Apr. 7.

Pilkaer, Lars P. (See Juccarello, William E., assignor.)

Pilkington Brothers Limited. (See Le Mare, Ernest B., assignor.)

Pittsburgh Plate Glass Company. (See Geistharp, Frederick, assignor.)

Pittsburgh Research Corporation. (See Moore, William E., assignor.)

Pittsburgh Transformer Company. (See Bingay, Robert V., assignor.)

Place, Alfred G., and A. E. Jupp, Youngstown, Ohio. Mill. 1,532,716; Apr. 7.

Plummer, Frederick A., Minneapolis, Minn. Disintegrating and drying peat. 1,532,344; Apr. 7.

Polar Ware Company. (See Vollrath, Walter J., assignor.)

Poole Engineering and Machine Company. (See Davison, Clarence M., assignor.)

Pope, Joseph H., Hamilton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Guard device. 1,532,546; Apr. 7.

Pösentrup, Heinrich, Munster, Germany. Railway-car driving axle. 1,532,637; Apr. 7.

Potter, Isabelle J., Birmingham, England. Shoulder-strap holder. 1,532,343; Apr. 7.

Powell, Max W., Chicago, Ill. Hoisting mechanism. 1,532,202; Apr. 7.

Powers, Frank T. (See Hassard, R. J., Spalding, and Powers.)

Powers Photo-Engraving Company. (See Hassard, R. J., Spalding, and Powers, assignors.)

Pridham, Edwin S., and P. L. Jenson, assignors to The Magnavox Company, Oakland, Calif. Telephone circuit. 1,532,513; Apr. 7.

Prince, John F. (See Nilson, J. L., and Prince.)

Privett, Joseph A., Monroe, N. C. Illuminating means for motor meters. 1,532,155; Apr. 7.

Process Engineers, Inc. (See Metcalf, Walter E., assignor.)

Producers and Refiners Corporation. (See Clark, Irwin A., assignor.)

Pruyn, John E., New York, N. Y. Piston ring. 1,532,547; Apr. 7.

Puffer, Harold R., Jefferson, Iowa. Oil-level-inspection attachment. 1,532,944; Apr. 7.

Pyrah, Horace A., Denton, England. Starting internal-combustion engines. 1,532,776; Apr. 7.

Quigle, Harry, Hastings, Nebr., assignor to Mrs. L. Quigle, Whittier, Calif. Pressure-cooker attachment. 1,532,945; Apr. 7.

Quigle, Mrs. Lucy. (See Quigle, Harry, assignor.)

Rabus, Wilhelm, Heidenheim-on-the-Brenz, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Apparatus for feeding continuous-working wood grinders and method thereof. 1,532,946; Apr. 7.

Radio Corporation of America. (See Dowsett, Harry M., assignor.)

Radio Corporation of America. (See Nottage, W. H., and Parkin, assignors.)

Radio Corporation of America. (See Weagant, Roy A., assignor.)

Raduner & Co., A.-G. (See Schönholzer, Albert, assignor.)

Ragsdale, John P., College Park, Ga. Lock. 1,532,441; Apr. 7.

Rambo, Clyde C., et al. (See Barksdale, I. R., and O'Connell, assignors.)

Ramsey, George, Brooklyn, N. Y. Speedometer. 1,532,548; Apr. 7.

Rand, James H., North Tonawanda, N. Y. Stencil sheet. 1,532,834; Apr. 7.

Ransier, Nelson, Arlington, N. J. Safety hose clamp. 1,532,549; Apr. 7.

Ransome Concrete Machinery Company. (See Faber, J. P., and Muller, assignors.)

Ransome, Ernest L., Plainfield, N. J. Mixing and discharging concrete. 1,532,947; Apr. 7.

Rauch, George F., Pukwana, S. Dak. Electric switch. 1,532,845; Apr. 7.

Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)

Raynes, Harry, assignor to Illinois-Pacific Glass Company, San Francisco, Calif. Plunger basin for glass-feeding boots. 1,532,514; Apr. 7.

Reddig, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Ironing machine. 1,532,550; Apr. 7.

Reece Button Hole Machine Company, The. (See Connors, John W., assignor.)

Reece Shoe Machinery Company. (See Oliver, John R., assignor.)

Reed, Clarence E., Houston, Tex., assignor to Reed Roller Bit Company. Rotary deep-well-drilling apparatus. 1,532,551; Apr. 7.

Reed Roller Bit Company. (See Duda, Oswald, assignor.)

Reed Roller Bit Company. (See Reed, Clarence E., assignor.)

Rees, Claude, and C. F. Hine, San Francisco, Calif. Drying apparatus. 1,532,948; Apr. 7.

Regal Rubber Co., The. (See Keiser, Charles R., assignor.)

Regener, Frank W., New York, N. Y. Air propeller. 1,532,601; Apr. 7.

Reich, Frederick, Elizabeth, N. J. Piston-ring holder. 1,532,777; Apr. 7.

Reid, Joseph S., Olean, N. Y. assignor to Clark Brothers Company. Sawmill carriage. 1,532,949; Apr. 7.

Reimherr, Adolph H., Providence, R. I. Spoon or similar article. Des. 66,984; Apr. 7.

Reiser, Oliver O., Forest Park, Ill., assignor to The Richardson Company, Lockland, Ohio. Container. 1,532,263; Apr. 7.

Reliable Knitting Work. (See John, Elmer N., assignor.)

Reliance Company, The. (See Wilms, Gustav O., assignor.)

Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Spooler for winding spools of different lengths. 1,532,156; Apr. 7.

Rhodes, Charles J., Pledwick House, near Wakefield, England. Mechanical brake. 1,532,515; Apr. 7.

Rhyne, D. E., et al. (See Mays, James F., assignor.)

Ribaysen, Jacob, Chicago, Ill. Bracket for lighting fixtures. Des. 66,985; Apr. 7.

Rice, Joseph T., Kingston, N. Y. Steel form for and method of applying cement linings to pipe lines, tunnels, etc. 1,532,555; Apr. 7.

Rice, William C., Grand Rapids, Mich. Bumper for vehicles. 1,532,661; Apr. 7.

Rich, Byron M., Rome, N. Y. Sleigh-runner attachment for automobile. 1,532,950; Apr. 7.

Richardson Company, The. (See Reiser, Oliver O., assignor.)

Richardson, Rodney G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,533,079; Apr. 7.

Riedele, Philip, assignor to United States Bumper Company, Inc., Los Angeles, Calif. Bumper. 1,532,264; Apr. 7.

Riedmiller, Bernard J., Scranton, Pa. Speed-changing transmission. 1,532,778; Apr. 7.

Riley, William J. (See MacInnes, Hugh, assignor.)

Ringeling, Hermanus G., and N. L. W.-I. Moens, Amsterdam, Netherlands. Destruction of noxious insects. 1,532,157; Apr. 7.

Risser, Arthur L., assignor to U. S. Bottlers' Machinery Co., Chicago, Ill. Clutch. 1,532,662; Apr. 7.

Ritchie, Thomas E., Beverly, Mass. Tobacco-users' article. 1,532,602; Apr. 7.

Ritter, Jacob, New York, N. Y. Vanity case. Des. 66,986; Apr. 7.

Roberts, Isaiah L., Nueva Geroma, Isle of Pines, West Indies, assignor of one-half to W. C. Lichtenstein, Jersey City, N. J. Propeller. 1,532,846; Apr. 7.

Robichaud, Walter, assignor to Paper Novelty Mfg. Co., New York, N. Y. Machine for making ornaments. 1,532,265; Apr. 7.

Robinson, Charles W., and W. C. Dwyer, Auburn, N. Y., assignors to International Harvester Company, Chicago, Ill. Tractor disk harrow. 1,533,029; Apr. 7.

Roche, John. (See Darling, F., and Roche.)

Rodgers, Edward B., Hoboken, N. J., assignor to Victory Vaporizer Company, New York, N. Y. Vaporizer. 1,532,638; Apr. 7.

Rogers, Dayton A., Minneapolis, Minn. Bread toaster. 1,532,951; Apr. 7.

Rolker, Andrew H., Los Angeles, Calif. Liquid measuring and dispensing device. 1,532,779; Apr. 7.

Rolker, Edwin, assignor to The Permatite Company, Baltimore, Md. Forming a phenolic condensation product. 1,532,952; Apr. 7.

Ronning, Adolph. (See Ronning, Andrean G. and A.)

Ronning, Andrean G. and A., Minneapolis, Minn. Cutter for ensilage harvesters and the like. 1,532,266; Apr. 7.

Rose, Henry W., and J. O. Hicks, Victoria, Tex. Screw driver. 1,532,953; Apr. 7.

Rosenberg, Albert, Baltimore, Md. Vested garment. 1,532,267; Apr. 7.

Rosenthal China Corporation, The. (See Schiffner, Hans, assignor.)

Rousseau, George E. C., Oakland, Calif. Concentrator. 1,532,780; Apr. 7.

Rubag Company, The. (See Bastien, Paul, assignor.)

Rubwood, Inc. (See Atwood, H. N., and Bains, assignors.)

Rubwood, Inc. (See Atwood, Harry N., assignor.)

Ruggaber, John W., Racine, Wis., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,532,268; Apr. 7.

Rumpler, Andrew, Cudahy, Wis. Building wall. 1,532,954; Apr. 7.

Russell, William C., and J. F. Canady, Pendleton, Oreg.; said Russell assignor to said Canady. Lock nut. 1,532,603; Apr. 7.

Ruthenburg, Louis R., Dayton, Ohio. Lock for ignition systems and steering wheels. 1,532,347; Apr. 7.

Saart, Albert G., Attleboro, Mass., assignor to Saart Brothers Company. Compact container. 1,532,442; Apr. 7.

Saart Brothers Company. (See Saart, Albert G., assignor.)

Safion, Herman A., New York, N. Y. Lighting-fixture arm. Des. 66,987; Apr. 7.

Sammis, Albert V., assignor to Fire Gun Manufacturing Company, Inc., Huntington, N. Y. Liquid projector. 1,532,203; Apr. 7.

Sammis, Albert V., assignor to Fire Gun Manufacturing Company, Huntington, N. Y. Liquid-projecting device. 1,532,443; Apr. 7.

Sammons, Hardy G., New Orleans, La. Powder-applying brush. 1,532,955; Apr. 7.

Sandbank, Olive, now by marriage O. S. Cass, assignor of one-fourth to W. Sandbank, New York Mills, Minn. Bust-conforming brassière. 1,532,444; Apr. 7.

Sandbank, William. (See Sandbank, Olive, assignor.)

Sanders, D. Leon. (See Malone, Mackey K., assignor.)

Sanford, George H., Meadville, Pa. Airship propeller. 1,532,158; Apr. 7.

Sauer, Johan N. A., Amsterdam, Netherlands. Purifying, filtering, and separating apparatus and process. 1,532,032; Apr. 7.

Sauer, Johan N. A., Amsterdam, Netherlands. Treating liquids. 1,533,033; Apr. 7.

Sauer, Johan N. A., assignor to Naamlooze Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands. Purifying and filtering process. 1,533,080; Apr. 7.

Sauer, Johan N. A., assignor to Naamlooze Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands. Regenerating decolorizing carbon. 1,533,081; Apr. 7.

Saville, George A., jr., and P. Schmall, Lincoln, Nebr.; said Schmall assignor to said Saville, jr. Oil heater. 1,532,348; Apr. 7.

Savin, John. (See Smith, S. R., and Savin.)

Schaefer, William D., Chicago, Ill. Hair curler. 1,532,956; Apr. 7.

Scheiter, John C., Rochester, N. Y. Last. 1,532,159; Apr. 7.

Schiffner, Hans, Selb, Germany, assignor to The Rosenthal China Corporation, New York, N. Y. China plate or similar article. Des. 66,988; Apr. 7.

Schiller, William A., Anderson, Ind. Insulation-stripping machine. 1,532,717; Apr. 7.

Schlabach, Allen, Hubbard, Oreg. Portable partial-load and full-load weighing device. 1,532,835; Apr. 7.

Schmall, Peter. (See Saville, G. A., jr., and Schmall.)

Schmid, Anton. (See Dietrich, Max, assignor.)

Schmid, Ernest E., Hollis, and W. H. Schneider, Freeport, N. Y. Third-rail support and protection-board bracket. 1,532,836; Apr. 7.

Schmitz, Peter, New York, N. Y. Overflow alarm. 1,532,604; Apr. 7.

Schneer, B. L. (See Brobst, Frank J., assignor.)

Schneider & Cie. (See Methlin, Nicolas E., assignor.)

Schneider & Cie. (See Schneider, Eugène, assignor.)

Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Stopcock and shut-off cock for pressure-fluid piping. 1,532,781; Apr. 7.

Schneider, William H. (See Schmid, E. E., and Schneider.)

Schoellkopf, Jacob F., Dallas, Tex. Horse collar. 1,532,516; Apr. 7.

Schoenmehl, Harold B. (See Martus, M. L., Becker, and Schoenmehl.)

Schofield, Frederick C., assignor to Tobacco Stemming Machine Company, Lynchburg, Va. Stemming tobacco. 1,532,269; Apr. 7.

Schofield, Robert, South Dartmouth, assignor to Draper Corporation, Hopedale, Mass. Bobbin cleaner. 1,532,349; Apr. 7.

Schönholzer, Albert, Horn, Switzerland, assignor to the Firm Raduner & Co., A.-G., Horn (Ct. Thurkau), Switzerland. Imparting new effects to cotton fabrics. 1,532,446; Apr. 7.

Schooley, Claude H., Sioux City, Iowa. Fountain pen. 1,532,445; Apr. 7.

Schrader, Thomas O., Allentown, assignor to The Dent Hardware Company, Fullerton, Pa. Cooler-door-control lock. 1,532,447; Apr. 7.

Sclanders, David G., Weenen, and M. S. Sparks, Klip River, Natal, South Africa. Corn harvester. 1,533,080; Apr. 7.

Senbolt, Walter G., assignor to Illinois Glass Company, Alton, Ill. Packing case for bottles. 1,532,448; Apr. 7.

Senie, Alfred J., Granby, Quebec, Canada. Liquid-dispensing apparatus. 1,532,957; Apr. 7.

Sederholm, John E., assignor to American Hoist & Derrick Company, St. Paul, Minn. Lifting magnet. 1,532,449; Apr. 7.

Selders, Hiester, Reading, assignor to International Advertising Specialty Company, Wernersville, Pa. Paper holder. 1,532,837; Apr. 7.

Severson, Elmer, Deerfield, Wis. Chain snap lock. 1,532,450; Apr. 7.

Sexton, Corydon W., Charlotte, N. C. Heating apparatus. 1,532,958; Apr. 7.

Seymour, Benjamin F., Washington, D. C. Vehicle body suspension. 1,532,605; Apr. 7.

Seymour, John K., Elyria, Ohio. Game and toy. 1,532,160; Apr. 7.

Seys, John, Grand Rapids, Mich. Step plate. Des. 66,989; Apr. 7.

Shailer, Charles M., Milford, Conn. Toy. 1,533,034; Apr. 7.

Shanbeck, John W., Fort Wayne, Ind. Cutting means for mowing machines. 1,533,035; Apr. 7.

Shannin, Joseph M. and P. J., Norwich, Conn. Threader block. 1,533,036; Apr. 7.

Shannon, Paul, Norwich, Conn. Tension device for shuttles. 1,533,037; Apr. 7.

Shannon, Paul J. (See Shannon, Joseph M. and P. J.)

Shatto, Walter A., Millersburg, Pa. Making helical expansible reamers. 1,532,350; Apr. 7.

Shaw, Harry S., Atlantic City, N. J. Iron. 1,532,838; Apr. 7.

Shea, Daniel L., assignor, by mesne assignments, to Wagner Electric Corporation, St. Louis, Mo. Dynamo-electric machine. 1,532,351; Apr. 7.

Sheer, H. M., Company. (See Sheer, Henry M., assignor.)

Sheer, Henry M., Quincy, Ill. Oil container. 1,533,038; Apr. 7.

Sheer, Henry M., assignor to H. M. Sheer Company, Quincy, Ill. Heating system for incubators. 1,532,161; Apr. 7.

Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Fluorescent screen. 1,532,782; Apr. 7.

Sheppard, Samuel E., and L. W. Eberlin, assignors to Eastman Kodak Company, Rochester, N. Y. Fluorescent screen. 1,532,783; Apr. 7.

Sherman, Alvin G., assignor to Detroit Vapor Stove Company, Detroit, Mich. Stove grate and support. 1,532,839; Apr. 7.

Shield, Paul S., Cincinnati, Ohio, assignor to A. Davis, jr., Covington, Ky. Movable transmission unit. 1,532,270; Apr. 7.

Shimer, Porter W., Easton, Pa. Treatment of molten baths. 1,532,668; Apr. 7.

Shipherd, Guy D., et al. (See Arundel, Thomas E., assignor.)

Shirk, Abner, Decatur, Ill. Multipower shears. 1,533,039; Apr. 7.

Shirk, Oliver D. (See Yates, W. F., and Shirk.)

Shover, Lamar H., Milwaukee, Wis. Electric dehydrator. 1,532,718; Apr. 7.

Shull, William G. (See Currier, H. D., and Shull.)

Sibley, Robert L. (See Bedford, C. W., and Sibley.)

Sieger, John R., Minneapolis, Minn. Hobbyhorse velocipede. 1,532,204; Apr. 7.

Siemens & Halske Aktiengesellschaft. (See Flad, A., and Lubberger, assignors.)

Siemens & Halske Aktiengesellschaft. (See Kaminski, Paul, assignor.)

Silver, Herman, Minneapolis, Minn. Metal reenforced-concrete railway tie. 1,532,719; Apr. 7.

Simon, Max. (See Heusner, K., and Simon.)

Sindelar, Thomas A. (See Harting, W. C., Sindelar, and David.)

Singer, John R., Elwood, and J. F. Brice, Bluffton, Ind.; said Singer assignor to said Brice. Wrench. 1,533,040; Apr. 7.

Sipp, Grant, Paterson, N. J. Reed structure. 1,532,517; Apr. 7.

Skinner Horse-Hoof Combination Sweep Co. (See Skinner, M. T., assignor.)

Skinner, M. T., Cleburne, Tex., assignor to Skinner Horse-Hoof Combination Sweep Co. Wing-sweep attachment for plows. 1,532,556; Apr. 7.

Slama, John A., Racine, Wis. Ironing board. 1,532,840; Apr. 7.

Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding mechanism for rock drills. 1,532,205; Apr. 7.

Slater, Harry R., Osawatomie, Kans. Derrick. 1,533,041; Apr. 7.

Slay, Ronald J., Hattiesburg, Miss. Manufacturing sirup. 1,532,271; Apr. 7.

Sloper, Percy, London, England. Burner for burning oil fuel. 1,533,042; Apr. 7.

Smith, A. O., Corporation. (See Andren, B. T., and Dilot, assignors.)

Smith, A. O., Corporation. (See Stresau, Richard, assignor.)

Smith, Edmund S., La Salle, assignor to The Carborundum Company, Niagara Falls, N. Y. Sifter. 1,532,720; Apr. 7.

Smith, Harold H., Woolwich, Sydney, Australia, assignor to Minerals Separation North American Corporation, New York, N. Y. Apparatus for making gas. 1,532,451; Apr. 7.

Smith, John B. (See Olin, J. M., Wood, and Smith.)

Smith, Matthew, Winokur, Ga. Spike supporter. 1,533,043; Apr. 7.

Smith, Samuel W., Fullerton, Calif. Fishhook. 1,533,044; Apr. 7.

Smith, Sidney R., London, and J. Savin, Liverpool, England, assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,532,664; Apr. 7.

Snell, Samuel A., assignor to Moon Brothers Manufacturing Company, St. Louis, Mo. Hose coupling. 1,532,352; Apr. 7.

Snell, Stewart, and W. S. Bridwell, Indianapolis, Ind. Mixer. 1,532,518; Apr. 7.

Snow, Eugene A., River Forest, Ill. Socket for electric lamps. 1,532,206; Apr. 7.

Societe Chimique des Usines du Rhone. (See Altwegg, Jean, assignor.)

Societe Chimique des Usines du Rhone. (See Ledru, M. J. L., and Bachmann, assignors.)

Societe des Grands Reseaux Electriques. (See Uhry, Nelson, assignor.)

Société du Carburateur Zenith. (See Heftler, Victor R., assignor.)

Soudley, Clifford T., Newberry, S. C. Machine for re-babbitting connecting rods. 1,532,639; Apr. 7.

Soroka, Michael S., Atlanta, Ga. Heddle construction for looms. 1,532,606; Apr. 7.

Spalding, A. G., & Bros. (See Pierce, George L., assignor.)

Spalding, Amos H. (See Hassard, R. J., Spalding, and Powers.)

Spaller, George C., Cleveland, Ohio. Traffic signal. 1,532,452; Apr. 7.

Sparks, Mervyl S. (See Sclanders, D. G., and Sparks.)

Sporer, Paul, et al. (See Girard, Alfred O., assignor.)

Speedaumatic Company, The. (See Johnson, John E., assignor.)

Spence, Thomas H., Seattle, Wash., assignor to S. M. Gross, Cleveland, Ohio. Combined hot and cold water faucet. 1,532,272; Apr. 7.

Spencer Elevator Company. (See Day, Wallace E., assignor.)

Spengler, Oskar, and A. Thurm, Dessau, Anhalt, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulphur dyes. 1,532,640; Apr. 7.

Stacy, Leland J., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,532,207; Apr. 7.

Staples, Arthur L., assignor to Winchester Repeating Arms Company, New Haven, Conn. Skate roll. 1,532,784; Apr. 7.

Staples, Elliot S., Iron Mountain, Mo. Adding machine. 1,533,045; Apr. 7.

Starling, Lyne. (See Yager, J. S., and Starling.)

Starr, Wyatt C., Lake Wales, Fla. Flexible-tread wheel. 1,532,273; Apr. 7.

Stauffer, John, assignor to North Manchester Foundry Company, North Manchester, Ind. Stove. 1,532,453; Apr. 7.

Stayton, Charles V. (See Stayton, Robert W., L. L., J. F., and C. V.)

Stayton, James F. (See Stayton, Robert W., L. L., J. F., and C. V.)

Stayton, Leonard L. (See Stayton, Robert W., L. L., J. F., and C. V.)

Stayton, Robert W., L. L., J. F., and C. V., Eldorado, Ohio. Subgrader. 1,532,841; Apr. 7.

Steam Pressing Iron Company. (See Clark, Frederick J., assignor.)

Steele, Lawrence C., Pittsburgh, Pa. Manufacturing sheet metal. 1,532,607; Apr. 7.

Steinle, William, administrator. (See Steinle, William J.)

Steinle, William J., deceased; W. Steinle, administrator, Flushing, N. Y., assignor to The Hartford Rubber Works Company, Hartford, Conn. Apparatus for vulcanizing tires. 1,532,274; Apr. 7.

Stern, Louis, Co. (See Valcourt, Louis E., assignor.)

Stewart, Frederick W., Oak Park, assignor to Inland Glass Company, Chicago, Ill. Mold for making glassware. 1,532,162; Apr. 7.

Stewart, Frederick W., Oak Park, assignor to Inland Glass Company, Chicago, Ill. Forming hollow glassware. 1,532,163; Apr. 7.

Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G.)

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,532,721; Apr. 7.

Stjornstrom, Otto. (See Hanson, O., and Stjornstrom.)

Stockall, Alfred H., Bath, England. Printer's galley. 1,533,046; Apr. 7.

Stollberg, Charles, assignor to American Can Company, New York, N. Y. Container. 1,532,665; Apr. 7.

Stoner, Paul, assignor to Landis Tool Company, Waynesboro, Pa. Reciprocating gearing for grinding wheel carriages. 1,533,047; Apr. 7.

Stout, Fred W. (See Coleman, P. H., and Stout.)

Stresau, Richard, Wauwatosa, assignor to A. O. Smith Corporation, Milwaukee, Wis. Uniting thick metal plates by electric welding. 1,532,842; Apr. 7.

Stromberg Motor Devices Company. (See Chandler, Milton E., assignor.)

Strongson, Herman L., Brooklyn, N. Y. Electric-lamp socket. 1,532,208; Apr. 7.

Strumpf, David L., New York, N. Y. Confection scoop. 1,532,275; Apr. 7.

Stubbs, Robert C., Dallas, Tex. Vibrating machine. 1,532,843; Apr. 7.

Sturdy's, J. F., Sons Co. (See Nelson, Nels T., assignor.)

Sturt, Alfred T., Flint, Mich., assignor to W. C. Durant, New York, N. Y. Rear axle. 1,532,557; Apr. 7.

Suchy, Robert, and J. Michel, Griesheim-on-the-Main, assignors to the Firm Chemische Fabrik Griesheim Elektron, Frankfort-on-the-Main, Germany. Refining crude arsenious oxide. 1,532,454; Apr. 7.

Suddendorf, Robert T., assignor to Witt Cornice Company, Cincinnati, Ohio. Waste receptacle. 1,532,844; Apr. 7.

Sulzer, Albert F., assignor to Eastman Kodak Company, Rochester, N. Y. Paster band for roll films. 1,532,785; Apr. 7.

Summers, Bertrand S., Port Huron, Mich. Bleaching and washing composition. 1,532,845; Apr. 7.

Sunderland, Fernando Y., Detroit, Mich. Artificial eye. 1,532,455; Apr. 7.

Sundhausen, Hermann, Bredeney-on-the-Ruhr, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Sparkless circuit connection. 1,532,786; Apr. 7.

Superior Motor Coach Body Co. (See Paul, Sydney, assignor.)

Sustarsic, Mike, and L. Florjancic, Cleveland, Ohio. Sliding and swinging window sashes. 1,533,048; Apr. 7.

Swartz, Elmer F., Perrysburg, Ohio. Stock feeder. 1,532,276; Apr. 7.

Sweet, Laurence A., Los Angeles, Calif. Radiator cap. Des. 67,001; Apr. 7.

Sweet, Laurence A., Los Angeles, Calif. Radiator cap. Des. 67,002; Apr. 7.

Sykes, Frank C., San Francisco, Calif. End clip for window shades. 1,532,519; Apr. 7.

Szekely, Otto E., Moline, Ill., assignor, by mesne assignments, to W. Mutschler, trustee, Goshen, Ind. Torque-cushioning means. 1,532,608; Apr. 7.

Taffel, Mark, London, England. Lingerie clip. Des. 66,990; Apr. 7.

Taggart, William C., Big Rapids, Mich. Liquid-dispensing device. 1,532,609; Apr. 7.

Talley, Randal E., Irwin, assignor to George J. Hagan Company, Pittsburgh, Pa. Resistance-heater support. 1,532,558; Apr. 7.

Tatem, James B. (See Keating, D. A., and Tatem.)

Tatem, James B., et al. (See Keating, D. A., and Tatem, assignors.)

Taylor, Carl C., Des Moines, Iowa. Eyeshade. 1,532,611; Apr. 7.

Taylor, Harry E., Paris, France. Ignition device for internal-combustion engines. 1,532,787; Apr. 7.

Taylor, Horace E., Ogema, Saskatchewan, Canada. Electric hair-singeing tool. 1,532,610; Apr. 7.

Taylor, Israel B., Buffalo, N. Y. Gas burner. 1,532,612; Apr. 7.

Taylor, John W., Gadsden, Ala. Tool-trimming machine. 1,532,959; Apr. 7.

Taylor, W. H., et al. (See Meredith, William, assignor.)

Teitelbaum, Boris H. (See Koretzky, H. M., and Teitelbaum.)

Tenney, Charles H. (See Burgi, Herman, assignor.)

Terriault, Joseph A. O., Ottowa, Ontario, Canada. Heater. 1,532,520; Apr. 7.

Thalhammer, Korbinian, Coon Rapids, Iowa. Draft equalizer. 1,532,164; Apr. 7.

Thomayer, George T., Albany, N. Y., assignor to Fuld and Hatch Knitting Company. Yarn-dyeing device. 1,532,559; Apr. 7.

Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Hand telephone. Des. 66,991; Apr. 7.

Thomson, David, London, England. Alcoholic solution of animal proteins and preparing the same. 1,532,521; Apr. 7.

Thordarson, Chester H., Chicago, Ill. Electrical condenser. 1,532,846; Apr. 7.

Thurm, Alfred. (See Spengler, O., and Thurm.)

Tiliquist, Hugo T. (See Nordström, E. R. I., and Johansson, assignors.)

Tindall, George W., assignor to C. E. Fulford Limited, Toronto, Ontario, Canada. Soap-stick holder. 1,532,165; Apr. 7.

Tissue Company, The. (See Coons, Charles H., assignor.)

Titeflex Metal Hose Co. (See Fulton, William H., assignor.)

Tobacco Stemming Machine Company. (See Schofield, Frederick C., assignor.)

Tomanek, Joseph, Truscott, Tex. Bayonet mounting for guns. 1,532,960; Apr. 7.

Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Door mechanism. 1,532,560; Apr. 7.

Trarara, Petro, Benton Harbor, Mich. Writing set. Des. 66,992; Apr. 7.

Travers, John L., assignor to Crandall Packing Company, Palmyra, N. Y. Rod and stem packing. 1,532,961; Apr. 7.

Trester, Herault A., assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Control mechanism for mixing machines. 1,532,277; Apr. 7.

Tufford, John G., Elyria, Ohio. Rubber heel. 1,532,209; Apr. 7.

Turner Brothers Asbestos Company Limited. (See Kenyon, Percy G., assignor.)

Turner, John C., Dayton, Ohio. Flywheel and pinion construction for toys. 1,532,963; Apr. 7.

Turner, John C., Dayton, Ohio. Flywheel for toys. 1,532,962; Apr. 7.

Tyrrell, Nathan E., Kansas City, Mo. Oil burner. 1,532,847; Apr. 7.

Uhry, Nelson, assignor to Societe des Grands Reseaux Electriques, Paris, France. Arch for the electrification of railways. 1,532,278; Apr. 7.

Ullom, Homer, Lamar, Colo. Endless sickle blade. 1,532,279; Apr. 7.

Underwood Typewriter Company. (See Barker, Benjamin F., assignor.)

Underwood Typewriter Company. (See Bryant, William O., assignor.)

Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)

Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)

Underwood Typewriter Company. (See McLaughlin, John C., assignor.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Union Metal Products Company. (See Murphy, Walter P., assignor.)

United Engineering and Foundry Company. (See Johnson, Lane, assignor.)

United Shoe Machinery Corporation. (See Lyness, Horatio S., assignor.)

United Shoe Machinery Corporation. (See Pope, Joseph H., assignor.)

U. S. Bottlers' Machinery Co. (See Risser, Arthur I., assignor.)

United States Bumper Co. (See Andreani, Findley E., assignor.)

United States Bumper Company. (See Riedele, Philip, assignor.)

United States Cast Iron Pipe & Foundry Company. (See Ladd, James B., assignor.)

U. S. Light & Heat Corporation. (See Engel, Frank, assignor.)

United States Smelting, Refining & Mining Company. (See Cullen, Joseph F., assignor.)

Utility Manufacturing Company. (See Hutchens, Edward, assignor.)

Valcourt, Louis E., assignor to Louis Stern Co., Providence, R. I. Bracelet hook. 1,532,613; Apr. 7.

Valguarnera, Corrado, Palermo, Italy. Radiosignaling ships during a fog. 1,532,964; Apr. 7.

Vallot, André, Levallois, France. Cap cover. 1,532,965; Apr. 7.

Van Buren, John, assignor to American Chicle Company, New York, N. Y. Labeling machine. 1,532,561; Apr. 7.

Vandervell, Charles A., Acton, England. Apparatus for varying the compression space in internal-combustion-engine cylinders. 1,532,788; Apr. 7.

Van Dyke, Gerald M., assignor of one-half to H. K. MacDougall, Tientsin, China. Clock calendar. 1,532,966; Apr. 7.

Van Etten, William V., Everett, Wash. Dirigible headlight. 1,532,280; Apr. 7.

Van Heusen, John M. (See Bacon, R. F., and Kidwell, assignors.)

Van Pelt, Eliakim M., Elizabeth, and R. H. Dixon, Newark, N. J. Coal-saving device. 1,532,967; Apr. 7.

Vanson, Mike, Plymouth, Pa. Attachment for the neckbands of shirts. 1,532,562; Apr. 7.

Van Stijn, Bernardus G., Liese, Netherlands. Fruit-sorting device. 1,532,968; Apr. 7.

Van Tilburg, Frank E., Minneapolis, Minn. Apparatus for separating composite oils into component parts. 1,532,456; Apr. 7.

Van Tine, John B., Lambertville, N. J. Submarine life saver. 1,532,281; Apr. 7.

Van Tuyl, Thomas. (See Cook, A. E., and Van Tuyl.)

Varnum, Arthur C., Southbridge, Mass. Thread-guiding device for spinning frames. 1,532,282; Apr. 7.

Verbunce, Charles E., Winnetka, Ill. Lighting globe. Des. 66,993; Apr. 7.

Victor-Dye Limited. (See De Mesa, Bertie, assignor.)

Victory Vaporiser Company. (See Rodgers, Edward B., assignor.)

Vincent, Clyde H., Oilton, Okla. Engine accelerator. 1,532,969; Apr. 7.

Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,532,283; Apr. 7.
Viola, Angelo. (See Balthasar, J., and Viola.)
Voigt Automatic Direction Signal Co. (See Voigt, Frederick E., assignor.)
Voigt, Frederick E., Los Angeles, Calif., assignor to Voigt Automatic Direction Signal Co. Electric switch. 1,532,563; Apr. 7.
Vollrath, Walter J., assignor to Polar Ware Company, Sheboygan, Wis. Scaling metal objects. 1,532,789; Apr. 7.
Von Soden-Fraunhofen, Graf Alfred, assignor to Zahnradfabrik Aktien-Gesellschaft, Friedrichshafen, Germany. Coupling. 1,532,564; Apr. 7.
Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 66,994; Apr. 7.
Wadsworth, Arthur W., and A. P. Conant, Fort Thomas, assignors to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 66,995; Apr. 7.
Wadsworth Watch Case Company, The. (See Wadsworth, A. W., and Conant, assignors.)
Wagner Electric Corporation. (See Shea, Daniel L., assignor.)
Wagner Electric Corporation. (See Weichsel, Hans, assignor.)
Waibel, Karl, New York, N. Y. Waterproof container. 1,532,614; Apr. 7.
Wajer, John, and O. W. Hopp, Chicago, Ill. Toy dump wagon. 1,532,666; Apr. 7.
Wakefield, Walter H. (See Lockwood, G. D., and Wakefield.)
Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,533,076; Apr. 7.
Waldorf, Frederick, Erie, Pa. Writing instrument. 1,532,284; Apr. 7.
Waldron, Leonidas N., Amity, Oreg. Combination tool. 1,532,353; Apr. 7.
Walker, Edward, Grantwood, N. J. Swimming belt. 1,532,970; Apr. 7.
Wall, Agda E., Brooklyn, N. Y. Playing-card game. 1,532,722; Apr. 7.
Wallis, Guy C., Waycross, Ga. Valve and catch pocket. 1,532,971; Apr. 7.
Wallner, Lloyd H. (See Wentworth, C. H., and Wallner.)
Walton, Joseph S., Los Angeles, Calif. Revolving stool. 1,532,354; Apr. 7.
Warner Gear Company. (See White, Samuel O., assignor.)
Waschek, Frank, Hamtramck, Mich. Cigar holder. 1,533,050; Apr. 7.
Wass, Clarence W. (See De Turk, Ira F., assignor.)
Watson, Charles P., Big Pine, Calif. Percussion fuse. 1,532,355; Apr. 7.
Watson, Charles W., St. Kilda, Victoria, Australia. Machine for spacing, tensioning, and coiling material such as wire. 1,532,285; Apr. 7.
Watson, William W., Rogersville, Ala. Coin-controlled operating mechanism. 1,533,049; Apr. 7.
Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Radio signaling system. 1,532,356; Apr. 7.
Weagant, Roy A., Douglas Manor, N. Y., assignor, by mesne assignments, to Radio Corporation of America. Method and apparatus for radiosignaling. 1,532,357; Apr. 7.
Weaver, Benjamin F., jr., Palmyra, Tenn. Toothbrush. 1,532,522; Apr. 7.
Weaver, Walter E., Nacogdoches, Tex. Spring wheel. 1,532,166; Apr. 7.
Webb, Arthur B., assignor to Monarch Tractors Incorporated, Watertown, Wis. Plow. 1,532,723; Apr. 7.
Webster Mfg. Company. (See Perkins, Augustus T., assignor.)
Weed, Harry D., Syracuse, N. Y., assignor to American Chain Company, Inc. Snubber. 1,532,286; Apr. 7.
Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo, Alternating-current motor. 1,532,287; Apr. 7.
Weichsel, Hans, assignor to Wagner Electric Corporation, St. Louis, Mo. Alternating-current motor. 1,532,288; Apr. 7.
Weidemann, Reinhold, Houston, Tex. Mowing machine. 1,532,358; Apr. 7.
Weil, Josephine M., New York, N. Y. Loom for hand weaving. 1,532,848; Apr. 7.
Weiler & Company, G. m. b. H. (See Weiler, Ernst, assignor.)
Weiler, Ernst, assignor of one-half to Weiler & Co., G. m. b. H., Berlin, Germany. Pencil sharpener. 1,532,167; Apr. 7.
Weiler, Max, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pyrone dye. 1,532,790; Apr. 7.
Weinberg, Fred, Schenectady, N. Y. Detector. 1,532,523; Apr. 7.
Weinbrenner, John H., New York, N. Y. Electric scraper. 1,532,289; Apr. 7.
Weis Fibre Container Corporation, The. (See Weis, Harry C., assignor.)
Weis, Harry C., assignor to The Weis Fibre Container Corporation, Monroe, Mich. Container. 1,532,210; Apr. 7.
Welch, Walter H., Bristol, England. Rim-contracting device. 1,533,073; Apr. 7.
Welin Davit & Boat Corporation. Andrew, James D., assignor.)
Weller, Leslie N., Pineville, Ky. Billiard-table pocket. 1,533,051; Apr. 7.
Wendle, Harry C., New Paris, and M. Holsopple, Seanor, Pa. Combined circuit breaker and fuse receptacle. 1,532,524; Apr. 7.
Wentworth, Clinton H., and L. H. Wallner, Los Angeles, Calif.; said Wallner assignor to said Wentworth. Radiator. 1,532,457; Apr. 7.
Wesleck, Richard A., Toledo, Ohio. Suspenders. 1,532,211; Apr. 7.
West, Charles, et al. (See Burmeister, Paul, assignor.)
Western Cartridge Company. (See Olin, J. M., Wood, and Smith, assignors.)
Western Electric Company. (See From, Owen C., assignor.)
Western Electric Company. (See Harris, James E., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Stacy, Leland J., assignor.)
Wheatley, Charles A., Jeffersonville, Ind. Action for player pianos. 1,533,052; Apr. 7.
Whipple, James B., Los Angeles, Calif. Cling-pit attachment for hand pitters. 1,532,458; Apr. 7.
White, Clarence B., Los Angeles, Calif. Wave motor for propelling vessels. 1,532,459; Apr. 7.
White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Brake lever. 1,532,972; Apr. 7.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vehicle searchlight bracket. Des. 66,996; Apr. 7.
Wico Electric Company. (See Brown, P., Hendrickson, Clark, and Louis, assignors.)
Widdowson, Walter P. (See Margetson, O., and Widdowson.)
Wilbur, Peter L., Tuckahoe, N. Y. Fire extinguisher. Des. 66,997; Apr. 7.
Willard Storage Battery Company. (See Dunsweiler, Carl J., assignor.)
Wille, Carl I., assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Visor. 1,532,791; Apr. 7.
Williams, Charles E., assignor to General Motors Corporation, Detroit, Mich. Carburetor. 1,532,460; Apr. 7.
Williams, Henry W. (See Woods, Owen C., assignor.)
Williamson, Bartlett R., assignor to J. A. Williamson, San Francisco, Calif. Organized apparatus for assembling, scoring, breaking, and uniting members to form a knockdown basket. 1,532,641; Apr. 7.
Williamson, John A. (See Williamson, Bartlett R., assignor.)
Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Semiautomatic telephone system. 1,532,849; Apr. 7.
Wills, Edwin C., East Orange, N. J. Automatic cut-off and cut-in valve. 1,532,615; Apr. 7.
Willwerscheid, Theodor R., St. Paul, Minn. Luggage carrier. 1,532,461; Apr. 7.
Wilms, Gustav O., assignor to The Reliance Company, Milwaukee, Wis. Magnetic latch mechanism. 1,532,212; Apr. 7.
Wilson Fastener Company, The. (See Clark, Emma B., assignor.)
Wilson, Grant, Walton, N. Y. Photo mount. 1,532,290; Apr. 7.
Wilson, Harold A. M. (See Cummings, J., and Wilson.)
Wilson, Robert E., Cambridge, Mass., assignor to Baltimore Gas Engineering Corporation, Baltimore, Md. Method of and apparatus for removing volatile fluids from solids and substantially nonvolatile liquids. 1,533,053; Apr. 7.
Winchester Repeating Arms Company. (See Staples, Arthur L., assignor.)
Winestock, Otto C., Perkinsville, Vt. Vehicle spring. 1,532,565; Apr. 7.
Winkelmann, Herbert A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Renewed rubber and producing the same. 1,532,213; Apr. 7.
Winkley, Erastus E., Lynn, Mass. Equilibrating mechanism for flying machines. 1,532,616; Apr. 7.
Winterfield, Arthur, New York, N. Y. Electromedical apparatus. 1,532,463; Apr. 7.
Winterfield, Arthur, assignor to Medical Electric Apparatus Corporation, New York, N. Y. Electrical massaging instrument. 1,532,462; Apr. 7.
Wishart, William, and A. H. Morrell, assignors, by mesne assignments, to Climax Engineering Company, Clinton, Iowa. Freezing thermostat and control mechanism. 1,532,214; Apr. 7.
Witt Cornice Company. (See Suddendorf, Robert T., assignor.)
Wolfe, Harry H., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Cast side frame for car trucks. 1,532,792; Apr. 7.

Wolfson, Abraham W., Newark, N. J. Umbrella. 1,533,034; Apr. 7.
Wood, Bessie T., et al. (See Barksdale, I. R., and O'Connell, assignors.)
Wood, Henry H. (See Olin, J. M., Wood, and Smith.)
Woods, Frederick N., jr. (See Hadsel, Alvah D., assignor.)
Woods, Owen C., Waycross, assignor of one-fourth to H. W. Williams, Argyle, Ga. Boll-weevil trap. 1,532,215; Apr. 7.
Woodward, George H., San Francisco, Calif. Piston. 1,533,055; Apr. 7.
Woodward, Irving C., Syracuse, N. Y. Clutch. 1,532,464; Apr. 7.
Woodward, Irving C., Syracuse, N. Y. Differential mechanism. 1,532,465; Apr. 7.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Float-valve means. 1,532,291; Apr. 7.
Woolson, Lionel M., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,532,292; Apr. 7.
Workers Trust Company, Administrator. (See Denning, Ansel C.)
Wright, Emmett G., Seattle, Wash. Motor-vehicle light bracket. 1,532,642; Apr. 7.
Yager, Joseph S., and L. Starling, Greenville, Miss. Icescoring machine. 1,533,056; Apr. 7.
Yale & Towne Manufacturing Company, The. (See Augenbraun, Peter F., assignor.)
Yale & Towne Manufacturing Company, The. (See Ledin, Charles, assignor.)
Yanochowski, George A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,532,216; Apr. 7.
Yanochowski, George A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,532,217; Apr. 7.
Yard, Abram T., Maplewood, N. J. Scissors. 1,532,850; Apr. 7.
Yates, P. B., Machine Company. (See Marshall, Charles J., assignor.)
Yates, Wilber F., and O. D. Shirk, Lewiston, Idaho. Straw spreader. 1,532,350; Apr. 7.
Young, Daniel, Brooklyn, N. Y., assignor to Young Inventions, Inc. Hosiery. 1,532,724; Apr. 7.
Young, Emma N., New York, N. Y. Bodkin and fastener. 1,532,566; Apr. 7.
Young Inventions, Inc. (See Young, Daniel, assignor.)
Young, John, Caldwell, N. J., and E. G. Croakman, Buffalo, assignors to National Aniline & Chemical Company, Inc., New York, N. Y. Production of diaryl-guanidines. Re16,049; Apr. 7.
Youngberg, John, Los Angeles, Calif. Support for tailors' irons. 1,532,617; Apr. 7.
Younker, William C., and M. J. Kelly, Mason City, Iowa. Juice extractor. 1,532,525; Apr. 7.
Zach, Giovanni, Pola, Italy. Furnace grate. 1,532,526; Apr. 7.
Zahnradfabrik Aktien-Gesellschaft. (See Von Soden-Fraunhofen, Graf Alfred, assignor.)
Zent, William F. (See Houghland, Frank H., assignor.)
Zepeda, Isaias, San Antonio, Tex. Transposition device. 1,532,793; Apr. 7.
Zittel, E. B. (See Hill, Richard D., assignor.)
Zubli, Justus C., Bremerton, Wash. Printing device and type. 1,532,860; Apr. 7.
Zuccarello, William E., Longmont, assignor of one-fourth to L. P. Pilkaer, Denver, Colo. Electrically-operated safety lock for centrifugal discharging machines. 1,532,851; Apr. 7.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 7TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Acetaldehyde, Manufacture of. M. J. L. Ledru and E. J. Bachmann. 1,532,190; Apr. 7.
Acid derivatives, Producing formic-. K. Meyer and L. Orthner. 1,532,428; Apr. 7.
Adding machine. E. S. Staples. 1,533,045; Apr. 7.
Addressing machine. H. Deutsch. 1,532,890; Apr. 7.
Adhesive binding strip for closing and reclosing packages. F. H. Houghland. 1,532,900; Apr. 7.
Advertisers, Dummy lay-out for. D. C. Carter. 1,532,379; Apr. 7.
Advertising device. G. K. Parsons. 1,532,718; Apr. 7.
Aeroplane. J. B. Immers. 1,532,902; Apr. 7.
Aeroplanes in the air from the ground or from a vessel, Arrangement for launching. N. E. Methlin. 1,532,630; Apr. 7.
Alarm: *See*—
Overflow alarm.
Alcoholic solution of animal proteins and preparing the same. D. Thomson. 1,532,521; Apr. 7.
Alkali-metal chlorides, Treatment of. J. Kersten. 1,533,009; Apr. 7.
Aminoazo compounds, Preparation of. K. Heusner and M. Simon. 1,532,627; Apr. 7.
Animal acrobats, Apparatus for. E. Pallenberg. 1,532,338; Apr. 7.
Antitheft device. F. W. G. Kammerer. 1,533,007; Apr. 7.
Armor coat. W. Bailey. 1,532,362; Apr. 7.
Arsenate of calcium and analogous elements, Making the. J. F. Cullen. 1,532,577–8; Apr. 7.
Arsenious oxide, Refining crude. R. Suchy and J. Michel. 1,532,454; Apr. 7.
Ash sifter. H. S. Earle. 1,532,390; Apr. 7.
Automobile brake-operating means. P. Palmgren. 1,532,934; Apr. 7.
Automobile bumper. J. H. Bertrand, jr. 1,532,673; Apr. 7.
Automobile bumper. J. Hayes. 1,532,487; Apr. 7.
Automobile bumpers, Display plate for. W. F. Martin. 1,533,068; Apr. 7.
Automobile bumpers, Tie-plate for. W. F. Martin. 1,533,069; Apr. 7.
Automobile clutch control. L. James. 1,532,494; Apr. 7.
Automobile dashboards, Gas indicator for. T. M. Eynon. 1,532,530; Apr. 7.
Automobile door lock. P. F. Augenbraun. 1,532,294; Apr. 7.
Automobile steering wheel. S. A. Pierce, jr. 1,532,342; Apr. 7.
Automobiles, Side closure for. J. Blackburn. 1,532,869; Apr. 7.
Automobiles, Sleigh-runner attachment for. B. M. Rich. 1,532,950; Apr. 7.
Axle, Railway-car driving. H. Pösentrup. 1,532,637; Apr. 7.
Axle, Rear. A. T. Sturt. 1,532,557; Apr. 7.
Bag: *See*—
Caddy bag.
Bait, Artificial. T. Mead. 1,533,022; Apr. 7.
Baking and cooking utensil. G. Cappi. 1,532,881; Apr. 7.
Baling machine. W. H. Martin. 1,532,194; Apr. 7.
Bank, Coin savings. J. A. Kidwell. 1,532,411–12; Apr. 7.
Bar: *See*—
Coupling tightener bar.
Basket. D. Bloom. 1,532,298; Apr. 7.
Basket, Organized apparatus for assembling, scoring, breaking, and uniting members to form a knockdown. B. R. Williamson. 1,532,641; Apr. 7.
Basket, Shipping. H. C. Link. 1,532,144; Apr. 7.
Bathtub. L. R. Paul. 1,532,714; Apr. 7.
Battery: *See*—
Dry-cell battery.
Battery container, Storage-. C. J. Dunsweiler. Des. 66,968; Apr. 7.
Battery shipping crate and stand, Combined. F. Engel. 1,532,738; Apr. 7.
Bearing. C. E. Durham. 1,532,993; Apr. 7.
Bearing. C. C. Haigler. 1,532,181; Apr. 7.
Belt. W. H. O'Brien. 1,532,487; Apr. 7.
Belt, Endless conveyer. G. Getting and A. Jonas. 1,532,807; Apr. 7.

Belt holder, Waist-. A. J. Bennett. 1,532,671; Apr. 7.
Belt, Swimming. E. Walker. 1,532,970; Apr. 7.
Beverage mixers, Top for. G. S. Bryce. 1,532,681; Apr. 7.
Billiard-cue tip, Chalkless. J. S. Piga. 1,532,943; Apr. 7.
Billiard-table pocket. L. N. Weller. 1,533,051; Apr. 7.
Bit: *See*—
Bridle bit. Drill bit.
Bleaching and washing composition, B. S. Summers. 1,532,845; Apr. 7.
Block: *See*—
Threader block.
Board: *See*—
Ironing board.
Boat. G. Csengery. 1,532,990; Apr. 7.
Boats, Engaging and disengaging gear for ships'. J. D. Andrew. 1,532,857; Apr. 7.
Bobbin cleaner. R. Schofield. 1,532,349; Apr. 7.
Bobbin-winding machine. J. D. Joyce. 1,532,409; Apr. 7.
Bodkin and fastener. E. N. Young. 1,532,566; Apr. 7.
Body brace. D. V. Cunning. 1,532,304; Apr. 7.
Boiler. R. Greenham. 1,532,990; Apr. 7.
Boilers, Water-circulation unit for. J. L. McKowen. 1,532,507; Apr. 7.
Boll-weevil trap. O. C. Woods. 1,532,215; Apr. 7.
Book end. J. Katz. Des. 66,974; Apr. 7.
Bottle-packing case. W. G. Seabold. 1,532,448; Apr. 7.
Bottles, Dispensing attachment for. G. F. Anderson. 1,532,975; Apr. 7.
Box: *See*—
Collapsible box.
Box handle. W. E. Holland. 1,532,898; Apr. 7.
Brace: *See*—
Body brace.
Bracelet. N. T. Nelson. 1,532,334; Apr. 7.
Bracelet hook. L. E. Valcourt. 1,532,613; Apr. 7.
Bracelets and like articles of jewelry, Clasp for. A. L. Newman. 1,532,632; Apr. 7.
Bracket: *See*—
Vehicle light bracket.
Brake: *See*—
Electromagnetic brake. Vehicle brake.
Mechanical brake.
Brake acting in both directions of rotation, Band. M. Müller. 1,532,919; Apr. 7.
Brake band. P. G. Kenyon. 1,532,141; Apr. 7.
Brake-beam support. B. Haskell. 1,532,626; Apr. 7.
Brake lever. S. O. White. 1,532,972; Apr. 7.
Brake mechanism, Friction. C. L. C. Magee. 1,532,629; Apr. 7.
Braking device. J. Blackburn. 1,532,868; Apr. 7.
Braking device. J. Blackburn. 1,532,870; Apr. 7.
Braking mechanism. P. Bastien. 1,532,644; Apr. 7.
Brassière. E. A Lindemann. 1,532,250; Apr. 7.
Brassière, Bust-conforming. O. Sandbank. 1,532,444; Apr. 7.
Breathing apparatus, Self-contained. A. B. Dräger. 1,532,654; Apr. 7.
Brick jointer and raker. C. N. Christensen. 1,532,380; Apr. 7.
Brickmaking machine, Rotary. T. O. Partridge. 1,532,440; Apr. 7.
Bridle bit. E. Erickson. 1,532,622; Apr. 7.
Brush. J. D. Garvey. 1,532,397; Apr. 7.
Brush, Fountain. W. Garner. 1,532,804; Apr. 7.
Brush, Powder-applying. H. G. Sammons. 1,532,955; Apr. 7.
Building, Metal. W. C. Harting, T. A. Sindelar, and C. E. David. 1,532,695; Apr. 7.
Built-up panel. H. W. Broady. 1,532,874; Apr. 7.
Bulletin-display frame. W. H. Hall. 1,532,896; Apr. 7.
Bumper. P. Riedele. 1,532,264; Apr. 7.
Burial vault. T. F. Jeter. 1,532,313; Apr. 7.
Burner: *See*—
Gas burner. Oil burner.
Burner for burning oil fuel. P. Sloper. 1,533,042; Apr. 7.
Button and tie fastener, Combined collar. C. A. Bell. 1,532,168; Apr. 7.
Buttonhole-sewing machine. J. W. Connors. 1,532,301; Apr. 7.

Cabinet for use with sound-reproducing devices. E. A. Graham. 1,532,811; Apr. 7.
Cabinet, Towel. J. N. Borroughs. 1,532,370; Apr. 7.
Cabinets, Device for electrically illuminating card. J. S. Patton. 1,532,935; Apr. 7.
Caddy bag. G. L. Pierce. 1,532,941; Apr. 7.
Calculating machine. J. F. Mayo. 1,532,832; Apr. 7.
Calendar. I. Leibowitz. 1,532,906; Apr. 7.
Calendar, Clock. G. M. Van Dyke. 1,532,966; Apr. 7.
Calendar-pad fastener. S. E. Bartold. 1,532,863; Apr. 7.
Calipers. C. L. Bausch and E. Hart. 1,532,297; Apr. 7.
Calling device. F. L. Baer. 1,532,648; Apr. 7.
Calling device, Automatic. J. G. Blessing. 1,532,674–7; Apr. 7.
Cameras, Attachment for. H. Newman. 1,532,544; Apr. 7.
Can holder. A. Major. 1,532,913; Apr. 7.
Can opener. H. Luscher. 1,532,594; Apr. 7.
Cap cover. A. Vallot. 1,532,965; Apr. 7.
Cap, Knitted. E. N. Joha. 1,532,750; Apr. 7.
Car coupling, Mining-. E. A. Cunningham. 1,532,887; Apr. 7.
Car-end construction, Sheet-metal. L. Moore. 1,532,918; Apr. 7.
Car, Railway. I. Everett and G. T. Cooke. 1,532,309; Apr. 7.
Car roof. C. D. Bonsall. 1,532,872; Apr. 7.
Car shifter. A. T. Perkins. 1,532,261; Apr. 7.
Cars, End wall structure for railway. W. P. Murphy. 1,532,922; Apr. 7.
Carbon, Regenerating decolorizing. J. N. A. Sauer. 1,532,031; Apr. 7.
Carburetor. M. G. Chandler. 1,532,229; Apr. 7.
Carburetor. V. R. Heftler. 1,532,697; Apr. 7.
Carburetor. C. E. Williams. 1,532,460; Apr. 7.
Card holder. R. N. Elliott. 1,532,127; Apr. 7.
Card support. C. W. Kress. 1,532,536; Apr. 7.
Carriage body, Baby-. G. E. O'Hearn. 1,532,837; Apr. 7.
Carrier: *See*—
Luggage carrier. Tire carrier.
Carton. A. Bienvenu. Des. 66,963; Apr. 7.
Case: *See*—
Bottle-packing case.
Casserole holder or similar article, Metal. S. W. Farber. Des. 66,969–70; Apr. 7.
Casting, Method and apparatus for centrifugal. J. B. Ladd. 1,532,537; Apr. 7.
Castings, Method and apparatus for making centrifugal. P. J. Flaherty. 1,532,690; Apr. 7.
Catch. D. D. Leidy. 1,533,017; Apr. 7.
Ceiling ventilator. J. E. Osbun. 1,532,685; Apr. 7.
Cellulose esters for dyeing, Treatment of. R. Metzger. 1,532,427; Apr. 7.
Chain snap lock. E. Severson. 1,532,450; Apr. 7.
Chair. S. Paul. Des. 66,980; Apr. 7.
Check-stub holder. M. Dysthe. 1,532,889; Apr. 7.
Cheese, Preparing. G. Meyer. Re16,089; Apr. 7.
Chloridizing volatilization process. H. R. Layng. 1,532,503; Apr. 7.
Chuck. H. R. McConnell. 1,532,328–9; Apr. 7.
Cigar-head forming plate. J. D. Madlem. 1,532,422; Apr. 7.
Cigar holder. F. Waschek. 1,533,050; Apr. 7.
Cigar-light extinguisher. O. A. R. Berger. 1,532,363; Apr. 7.
Cigarette holder. D. Collins. 1,532,732; Apr. 7.
Cigarette holder. H. H. Harnsberger. 1,532,403; Apr. 7.
Cigarette holder. W. A. Pike. 1,532,262; Apr. 7.
Cinematograph machine. J. Cummings and H. A. M. Wilson. 1,532,886; Apr. 7.
Circuit breaker and fuse receptacles, Combined. H. C. Wendle and M. Holsopple. 1,532,524; Apr. 7.
Circuit connection, Sparkless. H. Sundhaussen. 1,532,786; Apr. 7.
Clamp: *See*—
Hose clamp. Rubber-dam clamp.
Clasp: *See*—
Lingerie clasp.
Cleaner: *See*—
Bobbin cleaner. Mop cleaner.
Cloth-singeing device. W. Osthoff. 1,532,200; Apr. 7.
Cloth substitute, Making. M. A. Besso and F. P. Habicht. 1,532,648; Apr. 7.
Clothesline support, Extension. C. W. Cooper. 1,532,502; Apr. 7.
Clothespin, Safety. T. R. Mathews. 1,532,510; Apr. 7.
Clutch. E. C. Batchelder. 1,532,116; Apr. 7.
Clutch. A. I. Risser. 1,532,662; Apr. 7.
Clutch. L. C. Woodward. 1,532,464; Apr. 7.
Coal-saving device. E. M. Van Pelt and R. H. Dixon. 1,532,967; Apr. 7.
Coal treatment. R. Lessing. 1,532,826; Apr. 7.
Cock, Double. P. Mueller. 1,532,434; Apr. 7.
Coil-winding machine. A. H. Kopprasch. 1,532,187; Apr. 7.
Coke and illuminating gas, Continuous process of making. H. Burgi. 1,532,300; Apr. 7.
Collapsible box. F. M. Kaufman. 1,532,816; Apr. 7.
Colloidal suspension. J. E. Harris. 1,532,538; Apr. 7.
Commutator. E. A. Fries. 1,532,129; Apr. 7.
Compact container. A. G. Smart. 1,532,442; Apr. 7.
Compressors and the like, Control system for. B. S. Aikman. Re16,041; Apr. 7.
Concentrator. G. E. C. Rousseau. 1,532,780; Apr. 7.
Concrete and metal cross tie structure. V. C. King. 1,532,589; Apr. 7.
Concrete, Mixing and discharging. E. L. Ransome. 1,532,947; Apr. 7.
Concrete-mixing machine. J. P. Faber and W. Muller. 1,532,801; Apr. 7.
Concrete-molding apparatus. J. S. Hobson. 1,532,407; Apr. 7.
Concrete railway tie, Metal reenforced-. H. Silver. 1,532,719; Apr. 7.
Condenser, Electrical. C. H. Thordarson. 1,532,846; Apr. 7.
Condensers, Manufacture of. O. A. Berman. 1,532,364; Apr. 7.
Confections, Apparatus for coating. A. L. Bausman. 1,532,797; Apr. 7.
Container. A. H. Levy. 1,532,766; Apr. 7.
Container. J. A. Marceau. 1,532,830; Apr. 7.
Container. O. O. Reiser. 1,532,263; Apr. 7.
Container. C. Stollberg. 1,532,665; Apr. 7.
Container. H. C. Weis. 1,532,210; Apr. 7.
Controlling and temperature-comparing system. R. W. Newcomb. 1,532,543; Apr. 7.
Controlling mechanism. O. C. From. 1,532,130; Apr. 7.
Conveyer systems, Deflecting device for. F. S. Carpenter. 1,532,228; Apr. 7.
Cooker attachment, Pressure-. [illegible]uigle. 1,532,945; Apr. 7.
Cooking vessels, Strainer for. F. Gawronski. 1,532,133; Apr. 7.
Cooler-door-control lock. T. O. Schrader. 1,532,447; Apr. 7.
Cooling of goods, Direct. A. J. A. Ottesén. 1,532,931; Apr. 7.
Core-taking device, Hydraulic rotary. L. J. Black. 1,533,078; Apr. 7.
Corset. R. B. Kirby. 1,532,823; Apr. 7.
Cotton fabrics, Imparting new effects to. A. Schönholzer. 1,532,446; Apr. 7.
Coupler for masts, Guy. A. Link and L. W. Link. 1,533,019; Apr. 7.
Coupling: *See*—
Car coupling. Shaft coupling.
Flexible coupling. Spindle coupling.
Hose coupling. Swivel coupling.
Rope coupling. Swivel-joint coupling.
Coupling. M. N. Meltz. 1,532,511; Apr. 7.
Coupling. Graf A. von Soden-Fraunhofen. 1,532,564; Apr. 7.
Coupling tightener bar. P. H. Cloos, jr. 1,532,178; Apr. 7.
Crossing signal, Fog. H. A. Holm. 1,532,748; Apr. 7.
Crucible furnace. F. G. Penny. 1,532,154; Apr. 7.
Crusher: *See*—
Rock crusher.
Cue tip. A. E. Bradley. 1,532,985; Apr. 7.
Cultivator, Wheeled. T. Montoya. 1,532,331; Apr. 7.
Current-collecting apparatus. R. S. Blair. 1,532,224; Apr. 7.
Current motor, Alternating. H. Weichsel. 1,532,287–8; Apr. 7.
Curtain-rod fixture. W. W. Kosminski. 1,532,701; Apr. 7.
Cutter: *See*—
Pipe cutter.
Cutting, shortening, and shearing the loose threads of machine-made lace and all similar goods, Machine for. G. Cordier. 1,532,980; Apr. 7.
Dehydrator, Electric. L. H. Shover. 1,532,718; Apr. 7.
Derrick. H. R. Slater. 1,533,041; Apr. 7.
Detector. T. E. Arundel. 1,533,070; Apr. 7.
Detector. F. Weinberg. 1,532,528; Apr. 7.
Detonators, Method of and apparatus for capping. J. M. Olin, H. H. Wood, and J. B. Smith. 1,532,929; Apr. 7.
Diarylguanidines. J. Young and E. G. Cronkman. Re16,040; Apr. 7.
Die: *See*—
Punching die.
Differential mechanism. I. O. Woodward. 1,532,465; Apr. 7.
Dish or similar article, Metal. S. W. Farber. Des. 66,971–2; Apr. 7.
Distillation of materials, Apparatus for the. S. H. Corfield. 1,532,686; Apr. 7.
Dome light. A. L. Knapp. Des. 66,975; Apr. 7.
Door catch. J. H. Lane. 1,532,822; Apr. 7.
Doorcheck. G. Fauser. 1,532,239; Apr. 7.
Door control. L. P. Hynes. 1,532,492; Apr. 7.
Doorknob. B. Martin. Des. 66,978; Apr. 7.
Door mechanism. C. C. Tomkinson. 1,532,560; Apr. 7.
Door-operating mechanism. P. Burmeister. 1,532,171; Apr. 7.
Dovetail slots, Machine for making. J. R. Barnett. 1,532,467; Apr. 7.
Draft equalizer. K. Thalhammer. 1,532,164; Apr. 7.
Drain. J. Hirshstein. 1,532,897; Apr. 7.
Drill: *See*—
Oil drill.
Drill bit, Rock-. S. Bawden. 1,532,468; Apr. 7.

Drills, Feeding mechanism for rock. F. M. Slater. 1,532,205; Apr. 7.
Drilling apparatus, Combined percussion and rotary. J. H. Herman. 1,532,311; Apr. 7.
Drilling tool, Rotary. W. H. Brunson and C. Jamison. 1,532,371; Apr. 7.
Drink mixer. J. W. Ruggaber. 1,532,268; Apr. 7.
Dry-cell battery. H. M. Koretsky and B. H. Teitelbaum. 1,533,012; Apr. 7.
Drying apparatus. C. Bees and C. F. Hine. 1,532,948; Apr. 7.
Duplicator. J. E. Norman. 1,532,925; Apr. 7.
Dustpan. W. H. Nicholas. 1,532,197; Apr. 7.
Dye, Pyrone. M. Weiler. 1,532,790; Apr. 7.
Dyeing machine. M. Nagle. 1,532,923; Apr. 7.
Dyeing with dyestuffs or dyestuff-producing bodies insoluble or sparingly soluble in water. F. Münz. 1,532,921; Apr. 7.
Dyes, Sulphur. O. Spengler and A. Thurm. 1,532,640; Apr. 7.
Elastic-metal stringing, Controlling the elasticity of an. W. A. Larned. 1,532,703; Apr. 7.
Electric furnace. W. E. Moore. 1,532,599; Apr. 7.
Electric heater. J. L. Lawrence. 1,532,502; Apr. 7.
Electric-light bowl. J. Markel. Des. 66,977; Apr. 7.
Electric machine, Dynamo-. D. L. Shea. 1,532,351; Apr. 7.
Electric meter, Graphic. L. A. Paine. 1,532,438; Apr. 7.
Electric switch. C. E. Anderson. 1,532,855; Apr. 7.
Electric switch. G. F. Rauch. 1,532,345; Apr. 7.
Electric switch. F. E. Voigt. 1,532,563; Apr. 7.
Electrical fitting. F. E. Hartweg. 1,532,817; Apr. 7.
Electromagnetic brake. H. E. Hodgson. 1,532,138; Apr. 7.
Electromedical apparatus. A. Winterfield. 1,532,463; Apr. 7.
Elevator safety appliance. W. E. Day. 1,532,529; Apr. 7.
Elevators, Automatic brake for straight-lift. H. J. Buck. 1,532,877; Apr. 7.
Enameling furnace. A. D. Dauch. 1,532,621; Apr. 7.
End-gate construction. R. H. McIlwain. 1,532,540; Apr. 7.
Engine: *See*—
Internal-combustion engine.
Engine accelerator. C. H. Vincent. 1,532,909; Apr. 7.
Engine cylinders, Apparatus for varying the compression space in internal-combustion-. C. A. Vandervell. 1,532,788; Apr. 7.
Engines, Apparatus for boring the connecting rods and bearings of internal-combustion. M. K. Makarewics. 1,532,914; Apr. 7.
Engines, Apparatus for removing carbon from internal-combustion. P. D. Cormier. 1,532,528; Apr. 7.
Engines, Ignition device for internal-combustion. H. E. Taylor. 1,532,787; Apr. 7.
Engines, Mixer for gasoline. H. F. Mader. 1,532,770; Apr. 7.
Engines, Starting internal-combustion. H. A. Pyrah. 1,532,770; Apr. 7.
Engines, Vaporizer for internal-combustion. L. Becker. 1,532,866; Apr. 7.
Engines, Vaporizer for internal-combustion. W. L. Laudan. 1,532,248; Apr. 7.
Ether, Producing nonperoxidizable. D. R. Nijk. 1,532,772; Apr. 7.
Evaporator. W. W. Coxsens. 1,532,303; Apr. 7.
Excavating machine. W. Hebsacker. 1,532,243; Apr. 7.
Excavating shovel. J. W. Page. 1,532,775; Apr. 7.
Excavator. R. Dorward. 1,533,061; Apr. 7.
Exercising machine. H. M. Christoffersen. 1,532,474; Apr. 7.
Exhaust fire screen. C. F. S. Byrne. 1,532,473; Apr. 7.
Expansion hitch. W. P. Hunter. 1,533,006; Apr. 7.
Extensible table. N. Giard. 1,532,996; Apr. 7.
Extension table. A. Petrarca. 1,532,715; Apr. 7.
Extractor: *See*—
Juice extractor. Tar extractor.
Eye, Artificial. F. Y. Sunderland. 1,532,455; Apr. 7.
Eyeglass mounting. J. T. Laughlin. 1,532,323; Apr. 7.
Eyeshade. J. W. Finch. 1,532,480; Apr. 7.
Eyeshade. C. C. Taylor. 1,532,611; Apr. 7.
Eyeshield. E. W. Kingsbury. 1,532,317; Apr. 7.
Fabrics and the like, Treatment of. R. F. Bacon and C. H. Kidwell. 1,532,114; Apr. 7.
Fabrics, Apparatus for locating securing parts of separable fasteners to carrying. F. S. Carr. 1,532,376–7; Apr. 7.
Fan, Electric. C. O. Hall. 1,532,402; Apr. 7.
Fan, Rotary. G. C. Lewis. 1,532,827; Apr. 7.
Faucet. G. S. and L. L. Bennett. 1,533,077; Apr. 7.
Faucet, Combined hot and cold water. T. H. Spence. 1,532,272; Apr. 7.
Feeder, Stock. E. F. Swarts. 1,532,276; Apr. 7.
Fiber-beating machine. C. P. Bieber. 1,532,649; Apr. 7.
Fibrous composition, Machine for making. I. D. Patterson. 1,532,660; Apr. 7.
File, Card index, letter, and document. E. O. Haberfeld. 1,533,002; Apr. 7.
Film, Composite. J. H. Haste. 1,532,818; Apr. 7.
Film-spooling machine, Automatic. J. G. Jones and H. G. Dewey. 1,532,753; Apr. 7.
Films, Apparatus for splicing. W. Hohmann. 1,532,747; Apr. 7.
Films, Paster band for roll. A. P. Sulzer. 1,532,785; Apr. 7.
Filter, Air. I. Fleisher. 1,532,657; Apr. 7.
Fire escape. L. M. Little. 1,532,767–8; Apr. 7.
Fire extinguisher. P. L. Wilbur. Des. 66,997; Apr. 7.
Firearms, Device for regulating the rate of fire in automatic. R. Darne. 1,532,305; Apr. 7.
Firing explosives by electricity, Device for. A. Djidics. 1,532,125; Apr. 7.
Fishbook. S. W. Smith. 1,533,044; Apr. 7.
Fishing tool. R. C. Barbour. 1,532,979; Apr. 7.
Flag. D. and H. E. Perez. Des. 66,981; Apr. 7.
Flatirons, Controller for electrically-heated. E. Anthony. 1,532,219; Apr. 7.
Flexible coupling. A. Hadsel. 1,532,743; Apr. 7.
Fluids from solids and substantially nonvolatile liquids, Method and apparatus for removing volatile. R. E. Wilson. 1,533,053; Apr. 7.
Floor and laying floor. A. C. Denning. 1,533,074; Apr. 7.
Flooring, Parquetry slat. L. Lichtenfeld. 1,532,504; Apr. 7.
Flower machine, Artificial-. S. Bertona. 1,532,672; Apr. 7.
Fluid-pressure regulator. W. Long. 1,532,907; Apr. 7.
Fluid-transfer device. L. B. Lent and C. B. Kirkham. 1,532,326; Apr. 7.
Fluorescent screen. F. Balch. 1,532,796; Apr. 7.
Fluorescent screen. S. E. Sheppard and L. W. Eberlin. 1,532,782–3; Apr. 7.
Fluorescent screen and making same. F. Balch. 1,532,795; Apr. 7.
Flying machine. E. Otto. 1,532,152; Apr. 7.
Flying machines, Equilibrating mechanism for. E. E. Winkley. 1,532,616; Apr. 7.
Foods, Preserving and packing of. M. G. Mastin. 1,532,831; Apr. 7.
Form. H. E. Bilger. 1,532,355; Apr. 7.
Forms, Producing. G. Y. Lee. 1,532,325; Apr. 7.
Fox breeding den. V. J. Harrington. 1,532,486; Apr. 7.
Frame: *See*—
Bulletin-display frame. Window frame.
Fruit-sorting device. B. G. Van Stijn. 1,532,968; Apr. 7.
Fuel, Method of and apparatus for preparing, feeding, and burning pulverized. L. H. Bergman. 1,532,647; Apr. 7.
Fungicide, insecticide, and bactericide compound. E. Moïs. 1,532,631; Apr. 7.
Furnace: *See*—
Crucible furnace. Enameling furnace.
Electric furnace.
Furnace. J. Fitzpatrick. 1,532,689; Apr. 7.
Furnace doors, Air supply and automatic control for. J. Belthasar and A. Viola. 1,532,296; Apr. 7.
Furnaces, Skeuback for. F. L. Antisell. 1,532,568; Apr. 7.
Fuse. F. W. Bold. 1,532,368–9; Apr. 7.
Fuse, Percussion. C. P. Watson. 1,532,355; Apr. 7.
Fuses and the like, Locking device for. C. H. Pearson. 1,532,341; Apr. 7.
Game. D. B. Conklin. 1,532,123; Apr. 7.
Game and toy. J. K. Seymour. 1,532,160; Apr. 7.
Game apparatus. G. O. Carlson. 1,532,576; Apr. 7.
Game apparatus for playing indoor football. W. M. Cox. 1,532,385; Apr. 7.
Game, Baseball. I. B. Moore. 1,532,708; Apr. 7.
Game of skill. B. F. Klein. 1,532,186; Apr. 7.
Game, Playing-card. A. E. Wall. 1,532,722; Apr. 7.
Garment. E. F. L. Fritz. 1,532,304; Apr. 7.
Garment, Vested. A. Rosenberg. 1,532,267; Apr. 7.
Gas, Apparatus for making. H. H. Smith. 1,532,461; Apr. 7.
Gas burner. I. B. Taylor. 1,532,612; Apr. 7.
Gas lighter. C. F. Larsen. 1,533,013; Apr. 7.
Gas producer. J. B. Goodwin. 1,532,179; Apr. 7.
Gas saver. H. A. Buck. 1,532,372; Apr. 7.
Gate and operating mechanism. S. O. Bumgarner. 1,532,987; Apr. 7.
Gauge: *See*—
Pressure gauge.
Gear shift. H. C. Johle. 1,532,314; Apr. 7.
Gears, Machine for planing helical. E. H. Carroll. 1,532,378; Apr. 7.
Gearing for driving the drum of pulley blocks, Toothed. F. Holtschmit. 1,532,890; Apr. 7.
Gearing for grinding wheel carriages, Reciprocating. P. Stoner. 1,533,047; Apr. 7.
Gelatinizing machine for battery electrolytes. J. Graves, W. Balderston, and E. J. McEachron. 1,532,401; Apr. 7.
Glacéing fruit. W. V. Cruess. 1,532,476; Apr. 7.
Glareshield. R. Downing. 1,532,308; Apr. 7.
Glass and apparatus therefor, Drawing. W. E. Heal. 1,532,182; Apr. 7.
Glass, Apparatus for producing a continuous strip of. E. B. Le Mare. 1,532,704; Apr. 7.
Glass articles, Transporting. W. J. Miller. 1,532,255; Apr. 7.
Glass-cutting table. L. V. McCann. 1,532,910; Apr. 7.
Glass-feeding boots, Plunger basin for. H. Raynes. 1,532,514; Apr. 7.
Glass, Method and apparatus for making sheet. F. Gelstharp. 1,532,134; Apr. 7.

Glass, Process and apparatus for controlling the feeding of. W. J. Miller. 1,532,254; Apr. 7.
Glassware, Forming hollow. F. W. Stewart. 1,532,163; Apr. 7.
Glassware, Mold for making. F. W. Stewart. 1,532,162; Apr. 7.
Golf club. G. W. Bradley. 1,532,679; Apr. 7.
Golf club. W. B. Pedersen. 1,532,545; Apr. 7.
Golf, Device for use in practicing the game of. C. G. Borthwick. 1,532,984; Apr. 7.
Governor. I. D. Kenner. 1,532,763; Apr. 7.
Governor, Weight-motor. W. H. Kizer. 1,532,142; Apr. 7.
Grain shocker. R. B. Gaunt. 1,532,132; Apr. 7.
Grate and support, Stove. A. G. Sherman. 1,532,039; Apr. 7.
Grate, Collapsible. E. McMahan. 1,532,912; Apr. 7.
Grate, Furnace. G. Zach. 1,532,526; Apr. 7.
Guard device. J. H. Pope. 1,532,546; Apr. 7.
Guns, Bayonet mounting for. J. Tomanek. 1,532,960; Apr. 7.
Guns, Fire-control apparatus for naval. W. Akemann. 1,532,794; Apr. 7.
Guns or the like, Arrangement for the telecontrol of. P. Kaminski. 1,532,754; Apr. 7.
Hair curler. E. M. Farrell. 1,532,238; Apr. 7.
Hair curler. W. D. Schaefer. 1,532,956; Apr. 7.
Hair retainer. E. O. Jensen. 1,532,495; Apr. 7.
Hair-singeing tool, Electric. H. E. Taylor. 1,532,610; Apr. 7.
Hair waver. C. R. Carpenter. 1,532,883; Apr. 7.
Halter and bridle, Combination. S. S. Aguilar. 1,532,853; Apr. 7.
Hammer, Sectional. W. H. Gibbs. 1,532,135; Apr. 7.
Handle: *See*—
Box handle. Tool handle.
Harrow attachment for cultivators. V. L. Branson. 1,532,986; Apr. 7.
Harrow, Tractor disk. C. W. Robinson and W. C. Dwyer. 1,533,029; Apr. 7.
Harvester, Corn. D. G. Schanders and M. S. Sparks. 1,533,060; Apr. 7.
Harvesters and the like, Cutter for ensilage. A. G. and A. Ronning. 1,532,266; Apr. 7.
Harvesters, Controlling mechanism for. B. R. Benjamin. 1,532,057; Apr. 7.
Hat brims, Apparatus for forming and shaping. F. A. Earhart. 1,532,892; Apr. 7.
Hat convertible into umbrella. E. Funke. 1,532,810; Apr. 7.
Hat, Lady's combination. I. Malloy. 1,532,193; Apr. 7.
Headlight, Antiglare. F. A. Bishop. 1,532,980; Apr. 7.
Headlight. H. G. Lewis. 1,532,593; Apr. 7.
Headlight. A. F. Mitchell. 1,532,431; Apr. 7.
Headlight, Dirigible. W. V. Van Etten. 1,532,280; Apr. 7.
Heat, Producing. J. H. O'Neill. 1,532,930; Apr. 7.
Heater: *See*—
Electric heater. Steam and air heater.
Oil heater. Water heater.
Heater. J. A. O. Terriault. 1,532,520; Apr. 7.
Heater support, Resistance-. R. E. Talley. 1,532,558; Apr. 7.
Heating and ventilating system. R. R. Morrill. 1,532,709; Apr. 7.
Heating apparatus. C. W. Sexton. 1,532,958; Apr. 7.
Heating apparatus, Mounting the heating elements in electric. E. R. I. Nordström and H. O. Johansson. 1,532,773; Apr. 7.
Heating element, Thermostatically-controlled. L. H. Lamont. 1,532,189; Apr. 7.
Heel, Interchangeable boot and shoe. J. Gáspár. 1,532,484; Apr. 7.
Heel, Rubber. J. G. Tufford. 1,532,209; Apr. 7.
Hinge. C. N. Coryell. 1,532,885; Apr. 7.
Hinge. N. H. Forbes. 1,532,481; Apr. 7.
Hinge construction. W. J. Gross. 1,532,180; Apr. 7.
Hinge, Traveling. J. C. East. 1,532,898; Apr. 7.
Hoist construction. J. W. Ostrander. 1,532,151; Apr. 7.
Hoist for automobiles, Hydraulic. L. P. Fedowics. 1,532,479; Apr. 7.
Hoisting mechanism. M. W. Powell. 1,532,202; Apr. 7.
Hook: *See*—
Bracelet hook. Safety hook.
Horse collar. J. F. Schoellkopf. 1,532,516; Apr. 7.
Hose clamp. M. Madsen. 1,532,596; Apr. 7.
Hose clamp, Safety. N. Ransier. 1,532,549; Apr. 7.
Hose coupling. I. Cowles. 1,532,886; Apr. 7.
Hose coupling. S. A. Snell. 1,532,352; Apr. 7.
Hose housing. W. V. Gist. 1,532,177; Apr. 7.
Hosiery. D. Young. 1,532,724; Apr. 7.
Hydraulic press. E. Hutchens. 1,532,140; Apr. 7.
Hydrocarbon motor. J. G. Vincent. 1,532,283; Apr. 7.
Hydrocarbon motor. L. M. Woolson. 1,532,292; Apr. 7.
Hydroquinone, Manufacturing. H. Emde. 1,532,800; Apr. 7.
Hydroxides of alkali metals or of alkaline-earth metals, Producing the. E. Heinze. 1,532,489; Apr. 7.
Ice-cream cone. D. Gerber. 1,532,806; Apr. 7.
Ice-cream-hardening room. J. G. Peck. 1,532,936; Apr. 7.
Ice-scoring machine. J. S. Yager and L. Starling. 1,533,056; Apr. 7.
Ignition systems and steering wheels, Lock for. L. R. Ruthenburg. 1,532,847; Apr. 7.
Ignition timer. E. Krokavetz. 1,532,591; Apr. 7.
Incinerator. E. B. Kay. 1,532,758; Apr. 7.
Incubators, Heating system for. H. M. Sheer. 1,532,161; Apr. 7.
Indicator. T. T. Ferree. 1,532,740; Apr. 7.
Ingot mold. E. Gathmann. 1,532,741; Apr. 7.
Ingot molds, Sprue plate for. H. McNelly. 1,533,067; Apr. 7.
Ink-distributing roller. A. J. Daane. 1,533,062; Apr. 7.
Insects, Destruction of noxious. H. G. Ringeling and N. L. W.-I. Moens. 1,532,157; Apr. 7.
Insulation-stripping machine. W. A. Schiller. 1,532,717; Apr. 7.
Internal-combustion engine. M. E. Chandler. 1,532,610; Apr. 7.
Internal-combustion engine. D. Cole. 1,532,884; Apr. 7.
Internal-combustion engine. J. Davidson. 1,532,806; Apr. 7.
Iron: *See*—
Puddled iron.
Iron. H. S. Shaw. 1,532,888; Apr. 7.
Irons, Support for tailors'. J. Youngberg. 1,532,617; Apr. 7.
Ironing board. S. Adelson. 1,532,973; Apr. 7.
Ironing board. J. A. Slama. 1,532,840; Apr. 7.
Ironing board and ladder, Combined. H. C. Lewis. 1,532,418; Apr. 7.
Ironing board, Folding. Z. L. Hurd. 1,532,312; Apr. 7.
Ironing machine. C. E. Reddig. 1,532,550; Apr. 7.
Ironing presses or machines, Attachment for. I. R. Barksdale and E. M. O'Connell. 1,532,860; Apr. 7.
Jack: *See*—
Lifting jack.
Jar tops, Fastening device for. L. O. Culver. 1,532,585; Apr. 7.
Joint. J. W. Leslie. 1,532,825; Apr. 7.
Journal bearing, Antifriction. W. H. Millespaugh. 1,532,480; Apr. 7.
Journal boxes, Grease strainer for. F. P. Guerra. 1,532,813; Apr. 7.
Juice extractor. W. C. Younker and M. J. Kelly. 1,532,525; Apr. 7.
Key, Cotter. M. K. Malone. 1,532,148; Apr. 7.
Knife, Razor-blade. B. T. Kavanaugh. 1,532,499; Apr. 7.
Knife, Stationary. O. Kita. 1,532,413; Apr. 7.
Labeling machine. J. Van Buren. 1,532,561; Apr. 7.
Labels or the like, Machine for affixing. G. F. Halank. 1,532,895; Apr. 7.
Lace-making implement. E. M. Gourley. 1,532,810; Apr. 7.
Lamp, Dresser. A. C. Nielsen. 1,532,259; Apr. 7.
Lamp socket, Electric-. H. L. Strongson. 1,532,206; Apr. 7.
Lamps, Socket for electric. E. A. Snow. 1,532,206; Apr. 7.
Last. J. C. Schelter. 1,532,159; Apr. 7.
Last, Hinge. W. A. Krentler. 1,533,066; Apr. 7.
Latch for doors, Safety. A. C. Dohrmann. 1,532,787; Apr. 7.
Latch mechanism, Magnetic. G. O. Wilms. 1,532,212; Apr. 7.
Lathe attachment. C. Bouillon and H. R. Blakeslee. 1,532,798; Apr. 7.
Lathe, Turning and facing. W. F. Groene. Re16,038; Apr. 7.
Leader and making the same. E. R. Hewitt. 1,532,534; Apr. 7.
Lens protractor. L. W. Bugbee. 1,532,878; Apr. 7.
Lens protractor, Mirrored. L. W. Bugbee, jr. 1,532,880; Apr. 7.
Level-indicating device. F. G. Bloch. 1,532,871; Apr. 7.
Level indicator of the luminous type. A. Gage. 1,532,995; Apr. 7.
Life-preserving suit. A. Kurtis. 1,532,143; Apr. 7.
Life-saver, Submarine. J. B. Van Tine. 1,532,281; Apr. 7.
Lifter: *See*—
Pan lifter. Pipe lifter.
Lifting device. C. Haarberg. 1,533,001; Apr. 7.
Lifting jack. G. Lane. 1,532,702; Apr. 7.
Light: *See*—
Signal light.
Light. C. H. Muckenhirn. 1,532,332; Apr. 7.
Lighting-fixture arm. J. A. Boehringer. Des. 66,964–5; Apr. 7.
Lighting-fixture arm. H. A. Safion. Des. 66,987; Apr. 7.
Lighting-fixture bracket. J. Ribaysen. Des. 66,985; Apr. 7.
Lighting fixtures, Lamp husk for. J. A. Boehringer. Des. 66,966; Apr. 7.
Lighting globe. C. E. Verhunce. Des. 66,993; Apr. 7.
Lingerie clasp. E. E. Clark. 1,532,381; Apr. 7.
Lingerie clip. M. Taffel. Des. 66,990; Apr. 7.
Liquid-dispensing apparatus. A. J. Seale. 1,532,957; Apr. 7.
Liquid-dispensing device. W. C. Taggart. 1,532,600; Apr. 7.
Liquid measuring and dispensing device. A. H. Rolkjer. 1,532,779; Apr. 7.
Liquid meter. P. Bailey. 1,532,295; Apr. 7.
Liquid-projecting device. A. V. Sammis. 1,532,443; Apr. 7.
Liquid projector. A. V. Sammis. 1,532,203; Apr. 7.
Liquids, Treating. J. N. A. Sauer. 1,533,088; Apr. 7.

Lithographic printing plate and preparing the same. J. Krakes. 1,532,188; Apr. 7.
Load-carrying device, Compensating. A. E. Cook and T. Van Tuyl. 1,532,124; Apr. 7.
Loader, Hayrake. E. Mowry. 1,533,025; Apr. 7.
Lock: *See*—
Automobile door lock. Locker lock.
Chain snap lock. Nut lock.
Cooler-door-control lock. Safe and vault lock.
Lock. C. Ledin. 1,532,765; Apr. 7.
Lock. J. P. Ragsdale. 1,532,441; Apr. 7.
Lock for centrifugal discharging machines, Electrically-operated safety. W. E. Zuccarello. 1,532,851; Apr. 7.
Locker lock. E. D. Kaser. 1,532,245; Apr. 7.
Locomotive, Turbine. R. Klingelhöffer. 1,532,310; Apr. 7.
Loom for hand weaving. J. M. Well. 1,532,848; Apr. 7.
Loom picker. E. J. Gilligan. 1,532,808; Apr. 7.
Looms, Feeler mechanism for. H. A. Davis. 1,532,175; Apr. 7.
Looms, Heddle construction for. M. S. Soroka. 1,532,606; Apr. 7.
Looms, Tube frame for Axminster. G. D. Lockwood and W. H. Wakefield. 1,532,145; Apr. 7.
Lubricator. T. E. Coleman. 1,532,620; Apr. 7.
Lubricator. L. A. Godbold. 1,532,178; Apr. 7.
Lubricator for deep-well drills and the like. O. Duda. 1,532,552–4; Apr. 7.
Luggage carrier. T. R. Willwerscheid. 1,532,461; Apr. 7.
Magnesite or dolomite, Treatment of. G. S. Kilbourn. 1,532,500; Apr. 7.
Magnet, Lifting. J. E. Sederholm. 1,532,449; Apr. 7.
Magneto. P. Brown, I. E. Hendrickson, H. H. Clark, and T. G. Louis. 1,532,799; Apr. 7.
Massaging instrument, Electrical. A. Winterfield. 1,532,462; Apr. 7.
Match-box-filling machine. T. A. Palmer. 1,532,153; Apr. 7.
Match lighter. J. Fraling. 1,532,994; Apr. 7.
Mattress. E. A. Jones. 1,532,497; Apr. 7.
Measuring of weights, Method and structure for analytical. E. L. Graf. 1,532,136; Apr. 7.
Measuring pulsating pressures, Method and apparatus for. A. Levin. 1,532,705; Apr. 7.
Mechanical brake. C. J. Rhodes. 1,532,515; Apr. 7.
Metal objects, Scaling. W. J. Vollrath. 1,532,789; Apr. 7.
Metal plates by electric welding, Uniting thick. R. Stresau. 1,532,842; Apr. 7.
Metal wheel. E. D. Gillespie. 1,532,485; Apr. 7.
Meter: *See*—
Electric meter. Liquid meter.
Meters, Illuminating means for motor. J. A. Privett. 1,532,155; Apr. 7.
Milk-heating apparatus. A. O. Dahlberg. 1,532,233; Apr. 7.
Mill: *See*—
Rolling mill.
Mill. A. G. Place and A. E. Jupp. 1,532,716; Apr. 7.
Milling machine, Portable. H. W. Brewer. 1,532,650; Apr. 7.
Mixer: *See*—
Drink mixer.
Mixer. S. Snell and W. S. Bridwell. 1,532,518; Apr. 7.
Mixing machine, Control mechanism for. H. A. Trester. 1,532,277; Apr. 7.
Mold: *See*—
Ingot mold.
Mold. W. E. Nelson. 1,532,924; Apr. 7.
Molten-bath treatment. P. W. Shimer. 1,532,663; Apr. 7.
Mop cleaner. H. H. Hood. 1,532,139; Apr. 7.
Mop wringer and pail. R. Mather. 1,533,021; Apr. 7.
Mortising and shaping machine, Combined. R. L. Carter. 1,532,683; Apr. 7.
Motor: *See*—
Current motor. Hydrocarbon motor.
Motor attachment, Ford. C. W. Metz. 1,532,426; Apr. 7.
Motor for propelling vessels, Wave. C. B. White. 1,532,459; Apr. 7.
Motor, Multiple-cylinder combustion. M. Henry. 1,533,004; Apr. 7.
Motors, Device for introducing fluids into the cylinders of internal-combustion. D. M. Hepburn. 1,532,820; Apr. 7.
Mower. C. Pearson. 1,533,028; Apr. 7.
Mowing machine. R. Weidemann. 1,532,358; Apr. 7.
Mowing machines, Cutting means for. J. W. Shanbeck. 1,533,035; Apr. 7.
Muffler. M. J. O'Connor. 1,532,028; Apr. 7.
Music-roll receptacle. M. A. Andes. 1,532,466; Apr. 7.
Nail file, Finger. R. Mather. 1,533,020; Apr. 7.
Napkin-folding machine. C. H. Coons. 1,532,475; Apr. 7.
Necktie. W. K. Meyer. 1,532,598; Apr. 7.
Nozzle, Dishwasher. A. O. Girard. 1,532,809; Apr. 7.
Nozzle structure, Flow-. W. Meredith, S. A. D. Cox, and W. L. Foster. 1,532,253; Apr. 7.
Nut lock. J. V. Grand. 1,532,998; Apr. 7.
Nut lock. W. C. Russell and J. K. Canady. 1,532,603; Apr. 7.
Object-testing apparatus. J. A. Johnson. 1,532,496; Apr. 7.
Oil burner. I. J. Foltz. 1,532,393; Apr. 7.
Oil burner. J. H. and Z. B. Grades. 1,532,582; Apr. 7.
Oil burner. N. E. Tyrrell. 1,532,847; Apr. 7.
Oil-burning apparatus. F. A. Daechsel. 1,532,733; Apr. 7.
Oil container. H. M. Sheer. 1,533,038; Apr. 7.
Oil drill, Automatic expanding. D. H. Mitchell. 1,532,330; Apr. 7.
Oil heater. G. A. Saville, jr., and P. Schmall. 1,532,348; Apr. 7.
Oil in battery solutions, Providing and releasing. M. L. Martus, E. H. Becker, and H. B. Schoenmehl. 1,532,252; Apr. 7.
Oil-level-inspection attachment. H. R. Puffer. 1,532,944; Apr. 7.
Oils into component parts, Apparatus for separating composite. F. E. Van Tilburg. 1,532,456; Apr. 7.
Oils with prepared clays, Treating. I. A. Clark. 1,533,060; Apr. 7.
Operating mechanism, Coin-controlled. W. W. Watson. 1,533,049; Apr. 7.
Ore and the like, Agglomerating. N. Ahlmann. 1,532,113; Apr. 7.
Ornaments, Machine for making. W. Robichaud. 1,532,265; Apr. 7.
Ovens, Heat control for industrial. H. W. Partlow. 1,532,340; Apr. 7.
Overflow alarm. P. Schmitz. 1,532,604; Apr. 7.
Packaging device and method. C. R. Hultgren. 1,532,749; Apr. 7.
Packing for engine crank cases. V. W. Pagd. 1,532,933; Apr. 7.
Packing, Rod and stem. J. L. Travers. 1,532,961; Apr. 7.
Pad: *See*—
Seat pad.
Pan-greasing machine. W. Moller. 1,532,256; Apr. 7.
Pan lifter. H. A. Kottke. 1,532,247; Apr. 7.
Pan lifter, Bake-. H. A. Kottke. 1,532,246; Apr. 7.
Panel-manufacturing device. W. S. Kisinger. 1,532,318; Apr. 7.
Paper-edging machine. B. S. Olson. 1,532,149; Apr. 7.
Paper holder. H. Seiders. 1,532,837; Apr. 7.
Paper machines, Preventing froth on. W. E. Metcalf. 1,532,597; Apr. 7.
Paper machines, Severing mechanism for wet-. E. C. Batchelder. 1,532,117; Apr. 7.
Paper-producing configured. H. C. Orchard. 1,532,712; Apr. 7.
Paper, Treating. J. A. De Cew. 1,532,579; Apr. 7.
Parachute. O. Heinecke. 1,532,588; Apr. 7.
Pattern. H. M. Kinslow. 1,533,010; Apr. 7.
Paving and the like and making the same, Block for. M. L. Patzig. 1,532,636; Apr. 7.
Peat, Disintegrating and drying. F. A. Plummer. 1,532,344; Apr. 7.
Pen, Fountain. W. L. Hofer. 1,532,746; Apr. 7.
Pen, Fountain. C. H. Schooley. 1,532,445; Apr. 7.
Pens, Blotter attachment for fountain. A. Firpo. 1,532,240; Apr. 7.
Phenolic condensation product, Forming a. E. Rolker. 1,532,952; Apr. 7.
Photo mount. G. Wilson. 1,532,290; Apr. 7.
Photographic films, Preparing. J. H. Haste. 1,532,810; Apr. 7.
Photographic sensitizer and making same. G. O. Gutekunst. 1,532,814; Apr. 7.
Photography, Method and apparatus for producing multiple-image effects in. L. F. Douglass. 1,532,236; Apr. 7.
Pianos, Action for player. C. A. Wheatley. 1,533,052; Apr. 7.
Picker: *See*—
Loom picker.
Picker air intake. H. W. Knowlton. 1,532,415; Apr. 7.
Picker stick. D. A. Keating and J. B. Tatem. 1,532,759–62; Apr. 7.
Picture apparatus, Motion-. P. S. Gauriat. 1,532,805; Apr. 7.
Piling, Method and apparatus for the formation of. D. M. Newton. 1,532,711; Apr. 7.
Pipe: *See*—
Smoking pipe.
Pipe cutter. V. Karbowski. 1,532,315; Apr. 7.
Pipe lifter. H. T. Olson. 1,532,150; Apr. 7.
Pipe wrench. L. D. Fowler. 1,532,808; Apr. 7.
Piston. A. L. Armentrout. 1,532,293; Apr. 7.
Piston. C. R. Butler. 1,532,121; Apr. 7.
Piston. T. A. Hutsell. 1,532,491; Apr. 7.
Piston. G. H. Woodward. 1,533,055; Apr. 7.
Piston for internal-combustion motors. D. J. Peeler. 1,532,937; Apr. 7.
Piston, Internal-combustion-engine. O. Margetson and W. P. Widdowson. 1,532,915; Apr. 7.
Piston pressure in prime movers, pumps or compressors, Apparatus for indicating and registering the stroke average of the. J. Geiger. 1,532,692; Apr. 7.
Piston ring. D. J. Peeler. 1,532,938; Apr. 7.
Piston ring. J. E. Pruyn. 1,532,547; Apr. 7.
Piston-ring holder. F. Reich. 1,532,777; Apr. 7.
Pitters, Cling-pit attachment for hand. J. B. Whipple. 1,532,458; Apr. 7.
Plastic composition for articles of manufacture. W. S. Lowe. 1,532,908; Apr. 7.

Plate or similar article. J. E. Phillips. Des. 66,982–8; Apr. 7.
Plate or similar article, China. H. Schiffner. Des. 66,988; Apr. 7.
Platforms and the like, Safety attachment for shipping. P. Nord. 1,532,385; Apr. 7.
Playing device. H. R. Hart. 1,532,625; Apr. 7.
Plow. A. B. Webb. 1,532,723; Apr. 7.
Plows, Wing-sweep attachment for. M. T. Skinner. 1,532,556; Apr. 7.
Plowshares, Shipping container for. A. J. Eggerss. 1,532,894; Apr. 7.
Plug box and plug. F. P. Arrousea and W. C. Hollins. 1,532,220; Apr. 7.
Plug contact. W. H. Petersén. 1,532,200; Apr. 7.
Pneumatic conveying apparatus and the like. V. Z. Caracristi. 1,532,122; Apr. 7.
Pole and post protector. J. Dean. 1,532,734; Apr. 7.
Polish, Furniture. W. F. Hayes and J. N. Armstrong. 1,532,587; Apr. 7.
Polishing wheels, Balancing device for. F. Darling and J. Roche. 1,532,687; Apr. 7.
Posting tray. J. M. Musil. 1,532,436; Apr. 7.
Poultry, Hanger for displaying dressed. J. J. Alber and C. E. Dougherty. 1,532,974; Apr. 7.
Poultry houses and coops, Fixture for. R. L. Miller. 1,532,420; Apr. 7.
Power, Device for the application of. E. E. Leming. 1,532,191; Apr. 7.
Power discharge chute, Automatic. E. H. Lichtenberg. 1,532,249; Apr. 7.
Press: *See*—
Hydraulic press.
Presses, Pressure-relieving means for drawing. B. T. Andren and J. Dilot. 1,532,856; Apr. 7.
Pressing apparatus. F. J. Clark. 1,532,382; Apr. 7.
Pressure gauge. J. R. Padesky. 1,532,932; Apr. 7.
Pressure-indicating apparatus. M. Bouffart. 1,532,170; Apr. 7.
Printer's galley. A. H. Stockall. 1,533,046; Apr. 7.
Printing device. J. E. Johnson. 1,532,698; Apr. 7.
Printing device and type. J. C. Zuhll. 1,532,360; Apr. 7.
Printing plates, Making half-tone. R. J. Hassard, A. H. Spalding, and F. T. Powers. 1,532,696; Apr. 7.
Printing-press vibrator. A. J. Danne. 1,533,063–5; Apr. 7.
Printing type, Machine for composing and justifying lines of. A. Lubac. 1,532,909; Apr. 7.
Prism-measuring device in parallel systems. L. W. Bugbee. 1,532,879; Apr. 7.
Propeller. D. F. Murphy. 1,532,383; Apr. 7.
Propeller. I. L. Roberts. 1,532,346; Apr. 7.
Propeller, Air. F. W. Regener. 1,532,601; Apr. 7.
Propeller, Airship. G. H. Sanford. 1,532,158; Apr. 7.
Puddled iron, Manufacture of. E. L. Ford. 1,532,691; Apr. 7.
Pump. H. S. Pardee. 1,532,439; Apr. 7.
Pump, Centrifugal. E. F. Doty. 1,532,992; Apr. 7.
Pump, Rodless deep-well. W. G. Corey, R. C. Knight, and L. F. Champion. 1,532,231; Apr. 7.
Pump, Tire. J. L. Nilson and J. F. Prince. 1,532,198; Apr. 7.
Pump, Variable-capacity. E. B. Dickerson. 1,532,735 Apr. 7.
Punching die. H. Noteboom. 1,532,926; Apr. 7.
Purifying and filtering process. J. N. A. Sauer. 1,533,030; Apr. 7.
Purifying, filtering, and separating apparatus and process. J. N. A. Sauer. 1,533,032; Apr. 7.
Puzzle. J. Brown. 1,532,875; Apr. 7.
Radiator. C. V. Bixler. 1,532,727; Apr. 7.
Radiator. C. H. Wentworth and L. H. Wallner. 1,532,457; Apr. 7.
Radiator cap. L. A. Sweet. Des. 67,001–2; Apr. 7.
Radiator for transformer tanks. R. V. Bingay. 1,532,867; Apr. 7.
Radiator protector. T. P. Harris. 1,532,404; Apr. 7.
Radiators, Condenser for motor-vehicle. R. D. Griffith and C. S. Hunter. 1,532,624; Apr. 7.
Radiocabinet. C. Metz-Metzetti. Des. 66,979; Apr. 7.
Radio receiver holder. A. Feuerstein. 1,532,688; Apr. 7.
Radiosignaling, Method and apparatus for. R. A. Weagant. 1,532,357; Apr. 7.
Radiosignaling ships during a fog. C. Valguarnera. 1,532,964; Apr. 7.
Radio signaling system. R. A. Weagant. 1,532,356; Apr. 7.
Rail anchor. C. H. Knell. 1,532,414; Apr. 7.
Railway trains, Safety appliance for. E. W. Boulden and C. J. Cowles. 1,532,119; Apr. 7.
Railways, Arch for the electrification of. N. Uhry. 1,532,278; Apr. 7.
Rake. H. G. Kimber. 1,532,764; Apr. 7.
Razor-blade holder. H. J. Galsman. 1,532,131; Apr. 7.
Reamers, Making helical expansible. W. A. Shatto. 1,532,359; Apr. 7.
Rebabbitting connecting rods, Machine for. C. T. Sondley. 1,532,639; Apr. 7.
Receptacle suitable for containing and displaying articles such as travelers' samples, Portable. C. H. Lyde. 1,532,146; Apr. 7.
Reed structure. G. Sipp. 1,532,517; Apr. 7.
Refrigerating apparatus. A. L. Gibbs. 1,532,399; Apr. 7.
Refrigerating apparatus. G. F. Knox. 1,532,824; Apr. 7.
Refrigerating arrangement for drinks and food. A. Blom. 1,532,982; Apr. 7.
Regulator: *See*—
Fluid-pressure regulator. Thermopressure regulator.
Sewage-flow regulator.
Rifle-cleaning-rod tip. W. S. Belding. 1,532,222; Apr. 7.
Rifle-cleaning rods, Stop collar for. W. S. Belding. 1,532,223; Apr. 7.
Rim-contracting device. W. H. Welch. 1,533,073; Apr. 7.
Rim-operating tool. J. P. Kutina. 1,532,416; Apr. 7.
Ring: *See*—
Piston ring.
Roadway. W. Noble and W. Kennedy. 1,532,633; Apr. 7.
Roaster. W. G. Burns and H. R. Maxon. 1,532,574; Apr. 7.
Robe support and handle. A. L. Knapp. 1,532,320; Apr. 7.
Rock crusher. A. D. Hadsel. 1,532,742; Apr. 7.
Rod-grinding machine. J. A. Hunt. 1,532,490; Apr. 7.
Roller: *See*—
Ink-distributing roller.
Rolling mill. R. Hein. 1,532,488; Apr. 7.
Rolling mill. G. J. Murphy. 1,533,026; Apr. 7.
Rope coupling. B. H. Carpenter. 1,532,882; Apr. 7.
Rowlock. W. H. Bockman. 1,532,367; Apr. 7.
Rubber and other plastics, Manufacturing goods of india. J. E. Cleland. 1,532,383; Apr. 7.
Rubber and producing the same, Renewed. H. A. Winkelmann. 1,532,218; Apr. 7.
Rubber and product obtained thereby, Vulcanizing. S. M. Cadwell. 1,532,225–7; Apr. 7.
Rubber article or material and producing same, Superficially-finished. C. H. Dennison. 1,532,284; Apr. 7.
Rubber composition and preserving rubber. W. C. Geer and W. N. Jones. 1,532,398; Apr. 7.
Rubber-dam clamp. J. W. Ivory. 1,532,821; Apr. 7.
Rubber goods, Manufacture of. B. K. Brown. 1,532,651; Apr. 7.
Rubber, Vulcanizing. C. W. Bedford. 1,532,645; Apr. 7.
Safe and vault lock, Auxiliary. W. E. Murray. 1,532,485; Apr. 7.
Safety hook. T. Nowland. 1,532,927; Apr. 7.
Salts of the 4-hydroxy-3-acylamino-phenylarsonic acids, Preparation of alkylamine. J. Altwegg. 1,532,361; Apr. 7.
Sashes, Sliding and swinging window. M. Sustarsic and L. Florjancic. 1,533,048; Apr. 7.
Satchel. J. B. Nellegar, jr. 1,532,710; Apr. 7.
Sawmill carriage. J. S. Reid. 1,532,949; Apr. 7.
Sawmill-carriage wheel. J. Elkins. 1,532,581; Apr. 7.
Scissors. A. T. Yard. 1,532,850; Apr. 7.
Scoop, Confection. D. L. Strumpf. 1,532,275; Apr. 7.
Scouring implement. R. B. Kingman. 1,532,904; Apr. 7.
Scraper. P. Basmaison. 1,532,570; Apr. 7.
Scraper, Electric. J. H. Weinbrenner. 1,532,289; Apr. 7.
Screen: *See*—
Exhaust fire screen. Fluorescent screen.
Screens, Forming well. M. E. Layne. 1,532,592; Apr. 7.
Screw driver. H. W. Rose and J. O. Hicks. 1,532,953; Apr. 7.
Seal, Hermetic. O. H. Eliel. 1,532,287; Apr. 7.
Seam and making same, Invisibly-stitched. F. Luppino. 1,532,327; Apr. 7.
Seat pad, Ventilated. L. M. Grafe. 1,532,400; Apr. 7.
Separator. G. Lieberman. 1,533,018; Apr. 7.
Settee, Convertible table. W. T. Letts. 1,532,417; Apr. 7.
Sewage-flow regulator. H. L. McMillan. 1,532,820; Apr. 7.
Sewing machine. G. J. Kiligas. 1,532,535; Apr. 7.
Shades, End clip for window. F. C. Sykes. 1,532,519; Apr. 7.
Shaft coupling. E. Higgins. 1,532,183; Apr. 7.
Sharpener, Pencil. E. Weller. 1,532,167; Apr. 7.
Shears, Multipower. A. Shirk. 1,533,039; Apr. 7.
Sheet-metal containers, Producing and attaching closures for. C. T. Draper. 1,532,801; Apr. 7.
Sheet metal, Manufacturing. L. C. Steele. 1,532,607; Apr. 7.
Shingle fastener. H. MacInnes and W. J. Riley. 1,532,421; Apr. 7.
Shingle strips, Manufacture of. S. M. Langston. 1,532,538; Apr. 7.
Shirts, Attachment for the neckbands of. M. Vanson. 1,532,562; Apr. 7.
Shoe. G. L. Pierce. 1,532,942; Apr. 7.
Shoe parts, Apparatus for attaching. R. E. Bartels. 1,532,861; Apr. 7.
Shoe stitching or other machines, Stopping and starting mechanism for. J. R. Oliver. 1,532,834; Apr. 7.
Shoes, Fixing shank stiffeners in. R. E. Bartels. 1,532,862; Apr. 7.
Shoes, Method and apparatus for fitting. R. P. Morse. 1,532,432; Apr. 7.
Shooting apparatus. E. A. Barteski. 1,532,669; Apr. 7.
Shooting device, Self-defense. W. H. Balch. 1,532,859; Apr. 7.
Shoulder-strap holder. I. J. Potter. 1,532,343; Apr. 7.
Shovel: *See*—
Excavating shovel.
Shuttles, Tension device for. P. Shannon. 1,533,037; Apr. 7.

Sickle blade, Endless. H. Ullom. 1,532,279; Apr. 7.
Sifter. E. S. Smith. 1,532,720; Apr. 7.
Signal: *See*—
Crossing signal. Traffic signal.
Signal and signboard, Traffic. A. B. Camden. 1,532,575; Apr. 7.
Signal blade. B. F. Lollis. 1,532,828; Apr. 7.
Signal currents, Receiving weak. J. R. Carson. 1,532,172; Apr. 7.
Signal for an automobile or other vehicle and street and road purposes. H. E. and W. M. Browne. 1,532,876; Apr. 7.
Signal light. W. E. Ivie. 1,532,493; Apr. 7.
Signal means for automobiles and the like. A. P. Bamford. 1,532,221; Apr. 7.
Signaling system. L. J. Stacy. 1,532,207; Apr. 7.
Sirup, Manufacturing. R. J. Slay. 1,532,271; Apr. 7.
Skate roll. A. L. Staples. 1,532,784; Apr. 7.
Skeins or hanks in dyeing rooms, Machine for treating. B. Mayoux. 1,532,707; Apr. 7.
Ski, Water. O. Meredith. 1,533,023; Apr. 7.
Smoking pipe. O. H. Davis. 1,532,387; Apr. 7.
Smoking set and advertising device, Combination. H. C. Kittelson. 1,532,590; Apr. 7.
Snowplow, Highway. R. A. Aldinger. 1,532,567; Apr. 7.
Snubber. H. D. Weed. 1,532,286; Apr. 7.
Soap manufacture. V. H. Gottschalk. 1,532,693; Apr. 7.
Soap-stick holder. G. W. Tindall. 1,532,165; Apr. 7.
Sole, Rubber half-. C. R. Keiser. 1,533,008; Apr. 7.
Spacing, tensioning, and coiling material such as wire, Machine for. C. W. Watson. 1,532,285; Apr. 7.
Speed-changing transmission. B. J. Riedmiller. 1,532,778; Apr. 7.
Speedometer. G. Ramsey. 1,532,548; Apr. 7.
Spike supporter. M. Smith. 1,533,043; Apr. 7.
Spindle coupling, Rolling-mill. L. Johnson. 1,532,752; Apr. 7.
Spinning frames, Thread-guiding device for. A. C. Varnum. 1,532,282; Apr. 7.
Spinning wheel. H. O. Borduas. 1,532,618; Apr. 7.
Spool, Tuft-yarn. F. Mossberg. 1,532,600; Apr. 7.
Spooler for winding spools of different lengths. A. E. Rhoades. 1,532,156; Apr. 7.
Spoon or similar article. P. J. Gordon. Des. 66,973; Apr. 7.
Spoon or similar article. J. Leech. Des. 66,976; Apr. 7.
Spoon or similar article. A. H. Reimherr. Des. 66,984; Apr. 7.
Spring: *See*—
Vehicle spring.
Spring wheel. E. K. McLain. 1,532,911; Apr. 7.
Spring wheel. W. E. Weaver. 1,532,166; Apr. 7.
Stabilizer. G. A. Peple, jr. 1,532,939; Apr. 7.
Starter, Electric. C. P. Brockway. 1,533,072; Apr. 7.
Stay bolt for boilers. E. C. Dodds. 1,532,736; Apr. 7.
Steam and air heater. D. McGregor. 1,532,506; Apr. 7.
Steel form for and method of applying cement linings to pipe lines, tunnels, etc. J. T. Rice. 1,532,555; Apr. 7.
Stencil, Sheet. J. H. Rand. 1,532,834; Apr. 7.
Step plate. J. Seys. Des. 66,989; Apr. 7.
Step plate and luggage carrier, Combination. A. W. Kaufman. 1,532,756; Apr. 7.
Stool, Revolving. J. S. Walton. 1,532,354; Apr. 7.
Stopcock and shut-off cock for pressure-fluid piping. E. Schneider. 1,532,781; Apr. 7.
Stove. J. Stauffer. 1,532,453; Apr. 7.
Strainer and filter, Smoke and gas. E. Chalupa and T. F. O'Rourke. 1,532,730; Apr. 7.
Straw spreader. W. F. Yates and O. D. Shirk. 1,532,359; Apr. 7.
Stud support, Shrinkproof. G. E. Carlson. 1,532,720; Apr. 7.
Subgrader. R. W., L. L., J. F., and C. V. Stayton. 1,532,841; Apr. 7.
Subsoil packer. V. F. Lassagne. 1,533,014; Apr. 7.
Superheater. E. A. Geoghegan. 1,532,242; Apr. 7.
Supporting mechanism, Adjustable. P. Pierce. 1,532,201; Apr. 7.
Surgical device. A. H. Braecklein. 1,532,290; Apr. 7.
Suspenders. R. A. Wesleck. 1,532,211; Apr. 7.
Switch: *See*—
Electric switch.
Switch and fuse, Combined. W. G. Dexter. 1,532,235; Apr. 7.
Swivel coupling. W. H. Fulton. 1,532,895; Apr. 7.
Swivel coupling. J. W. Page. 1,532,774; Apr. 7.
Swivel-joint coupling. A. L. Morrison. 1,532,195; Apr. 7.
Syringes, Guard for hypodermic. G. N. Hein. 1,532,744; Apr. 7.
Table: *See*—
Extensible table. Glass-cutting table.
Extension table.
Tablets and the like, Sliding cover for. I. B. Casto and R. B. Hooper. 1,532,527; Apr. 7.
Tag, Identification or laundry. W. J. Humphrey. 1,532,901; Apr. 7.
Tail light and direction indicator, Combined. R. A. Guymon. 1,532,583; Apr. 7.
Tanks, Gauge attachment for fuel. I. F. De Turk. 1,532,477; Apr. 7.
Tanks, Reserve-supply-trapping means for gasoline. A. R. Adams. 1,532,882; Apr. 7.
Tar extractor. L. C. Bayles. 1,532,118; Apr. 7.
Telegraphy and telephony, Circuit arrangement for multiplex cable. H. Fassbender and E. Habann. 1,532,739; Apr. 7.
Telephone and like wires to insulators, Hand tool for connecting. P. F. Nielsen. 1,532,771; Apr. 7.
Telephone circuit. E. S. Pridham and P. L. Jensen. 1,532,513; Apr. 7.
Telephone, Hand. G. K. Thompson. Des. 66,991; Apr. 7.
Telephone pay station. G. A. Long. 1,532,706; Apr. 7.
Telephone system. H. D. Currier and W. G. Shull. 1,532,652; Apr. 7.
Telephone system. H. D. Currier and W. G. Shull. 1,532,888; Apr. 7.
Telephone system. G. A. Yanochowski. 1,532,216–17; Apr. 7.
Telephone system, Automatic. A. Andersen and W. A. Chapin. 1,532,854; Apr. 7.
Telephone system, Automatic. R. G. Richardson. 1,533,079; Apr. 7.
Telephone system, Automatic. S. R. Smith and J. Savin. 1,532,664; Apr. 7.
Telephone system, Measured-service. J. Erickson. 1,532,391–2; Apr. 7.
Telephone system, Semiautomatic. B. D. Willis. 1,532,849; Apr. 7.
Telephone systems, Impulse transmitter for automatic. J. Erickson. 1,532,665; Apr. 7.
Telephone systems, Metering circuit for. A. Flad and F. Lubberger. 1,532,241; Apr. 7.
Tennis and Badminton racket. B. De Mesa. 1,532,991; Apr. 7.
Tennis racket. J. J. Cullinan. 1,532,232; Apr. 7.
Terminal connecter. H. P. Davis. 1,532,880; Apr. 7.
Textile roll and making the same. H. F. Busch. 1,532,682; Apr. 7.
Thermopressure regulator. W. H. Chapman. 1,532,988; Apr. 7.
Thermostat and control mechanism, Freezing. W. Wishart and A. H. Morrell. 1,532,214; Apr. 7.
Thiocarbanilide derivative. C. W. Bedford and R. L. Sibley. 1,532,646; Apr. 7.
Third-rail support and protection-board bracket. E. E. Schmid and W. H. Schneider. 1,532,886; Apr. 7.
Threader block. J. M. and P. J. Shannon. 1,533,036; Apr. 7.
Thrusting mechanism. T. S. Miller. 1,532,542; Apr. 7.
Ticket holder, Price-. H. and L. Hopp. 1,533,005; Apr. 7.
Tie: *See*—
Concrete railway tie.
Tie. J. Gurnovitz. 1,533,000; Apr. 7.
Tie-plate and rail anchor. J. A. Bodkin. 1,532,983; Apr. 7.
Timer. C. O. Bruno. 1,532,573; Apr. 7.
Timer. A. W. Kaufman. 1,532,755; Apr. 7.
Timer. A. W. Kaufman. 1,532,757; Apr. 7.
Tire and combination tire protector and antiskid device. F. Markwick. 1,532,425; Apr. 7.
Tire carrier. W. R. Green. 1,532,137; Apr. 7.
Tire rim, Automobile. E. L. Avera. 1,532,569; Apr. 7.
Tire rim, Automobile. J. A. Bedingfield. 1,532,571; Apr. 7.
Tire-rim carrier and remover, Combined spare-. J. G. Fay. 1,532,532; Apr. 7.
Tire tool. U. G. Edwards. 1,532,580; Apr. 7.
Tire tread. L. E. Dillon. Des. 66,987; Apr. 7.
Tires and accommodating wheel rim therefor, Valve stem for pneumatic. J. R. Hale. 1,532,658; Apr. 7.
Tires, Apparatus for vulcanising. W. J. Steinle. 1,532,274; Apr. 7.
Toaster. B. B. Kahn. 1,532,184; Apr. 7.
Toaster. A. J. Lindenmann. 1,533,075; Apr. 7.
Toaster, Bread. D. A. Rogers. 1,532,951; Apr. 7.
Tobacco, Stemming. F. C. Schofield. 1,532,269; Apr. 7.
Tobacco-user's article. T. E. Ritchie. 1,532,602; Apr. 7.
Tongs. W. J. Hahn. 1,532,815; Apr. 7.
Tool, Combination. K. MacPherson. 1,532,147; Apr. 7.
Tool, Combination. L. N. Waldron. 1,532,353; Apr. 7.
Tool handle. I. S. Kemp. 1,532,822; Apr. 7.
Tool handles, Wedge for. J. F. Basham. 1,532,864; Apr. 7.
Tool, Self-heated. F. W. Miller. 1,533,024; Apr. 7.
Tool-trimming machine. J. W. Taylor. 1,532,959; Apr. 7.
Toothbrush. B. F. Weaver, jr. 1,532,522; Apr. 7.
Torpedo. A. Fabrizio. 1,532,531; Apr. 7.
Torque-cushioning means. O. E. Szekely. 1,532,608; Apr. 7.
Tower, Structural. R. Kagiwada. 1,532,410; Apr. 7.
Toy. R. W. Dover. 1,532,307; Apr. 7.
Toy. C. M. Shaller. 1,533,084; Apr. 7.
Toy construction. R. S. Knaggs. 1,533,011; Apr. 7.
Toy dump wagon. J. Wajer and O. W. Hopp. 1,532,666; Apr. 7.
Toy, Figure. J. T. Ford. 1,532,482; Apr. 7.
Toy, Mechanical. G. L. McMannis. 1,532,595; Apr. 7.
Toy savings bank. L. Marx. 1,532,424; Apr. 7.
Toy, Wheeled. E. H. Parke. 1,532,889; Apr. 7.
Toys, Flywheel and pinion construction for. J. C. Turner. 1,532,963; Apr. 7.
Toys, Flywheel for. J. C. Turner. 1,532,962; Apr. 7.
Track aligning and spiking device. C. A. Pierson. 1,533,071; Apr. 7.
Track-supporting device. V. St. C. Blackett. 1,532,981; Apr. 7.

Traction-actuated lift mechanism. S. W. Cady. 1,533,059; Apr. 7.
Tractor. S. Munson. 1,532,920; Apr. 7.
Tractor-operated implement. E. W. Burgess. 1,533,058; Apr. 7.
Tractors, Steering mechanism for. F. Mahood. 1,532,509; Apr. 7.
Traffic signal. M. H. Beck. 1,532,865; Apr. 7.
Traffic signal. G. C. Spaller. 1,532,452; Apr. 7.
Train-control systems, Track element for. C. S. Bushnell. 1,532,373; Apr. 7.
Tramway buckets, Automatic release for. F. W. Grice. 1,532,812; Apr. 7.
Transmission, Measuring. F. H. Best. 1,532,169; Apr. 7.
Transmission unit, Movable. P. S. Shield. 1,532,270; Apr. 7.
Transposition device. I. Zepeda. 1,532,793; Apr. 7.
Trap: *See*—
Boll-weevil trap.
Trap. O. Hanson and O. Stjornstrom. 1,532,584; Apr. 7.
Treadwheel, Flexible-. W. C. Starr. 1,532,273; Apr. 7.
Tree-transplanting device. C. F. Irish. 1,532,244; Apr. 7.
Trousers stretcher. M. Dietrich. 1,532,586; Apr. 7.
Truck for self-propelled rail cars, Bogie. L. C. Josephs, jr. 1,532,699; Apr. 7.
Truck, Hand. W. P. Kinsell. 1,532,700; Apr. 7.
Trucks, Cast side frame for car. H. H. Wolfe. 1,532,792; Apr. 7.
Tub: *See*—
Wooden tub.
Tube-closing machine, Collapsible-. T. L. Harrison. 1,532,659; Apr. 7.
Tubing support. L. J. Bechand. 1,532,670; Apr. 7.
Typewriter machine. C. B. Corcoran. 1,532,685; Apr. 7.
Typewriters, Manuscript holder for. S. J. Edwards. 1,532,478; Apr. 7.
Typewriting machine. B. F. Barker. 1,532,115; Apr. 7.
Typewriting machine. W. O. Bryant. 1,532,120; Apr. 7.
Typewriting machine. A. A. Johnson. 1,532,751; Apr. 7.
Typewriting machine. J. C. McLaughlin. 1,532,192; Apr. 7.
Typewriting machine. B. C. Stickney. 1,532,721; Apr. 7.
Typewriting machine. J. Waldheim. 1,533,076; Apr. 7.
Umbrella. A. W. Wolfson. 1,533,054; Apr. 7.
Umbrella or parasol. W. F. Feistner. 1,532,802; Apr. 7.
Underreamer, Rotary. W. Meredith. 1,532,917; Apr. 7.
Urinal automatic flushing apparatus, Thermostatic. J. J. Lawler. 1,532,906; Apr. 7.
Vacuum feed system. G. C. Nelson. 1,532,258; Apr. 7.
Valve. D. C. Lorraine. 1,532,251; Apr. 7.
Valve and catch pocket. G. C. Wallis. 1,532,971; Apr. 7.
Valve, Automatic cut-off and cut-in. E. C. Wills. 1,532,615; Apr. 7.
Valve, Flush. R. E. Fivey. 1,532,656; Apr. 7.
Valve, Flush. A. E. Hohmeister. 1,532,408; Apr. 7.
Valve, Flush. H. G. Lawrence. 1,532,324; Apr. 7.
Valve for air-brake systems, Release relief. H. L. Eldridge. 1,532,126; Apr. 7.
Valve, Fuel. J. A. Murdock. 1,532,512; Apr. 7.
Valve means, Float-. L. M. Woolson. 1,532,291; Apr. 7.
Valve mechanism. J. R. Gammeter and W. D. Kmentt. 1,532,396; Apr. 7.
Valve, Mixing. C. C. Hickerson. 1,532,745; Apr. 7.
Valve-reseating tool. C. M. Davison. 1,532,653; Apr. 7.
Valve, Rotary. C. C. Foss and D. D. De Loach. 1,532,483; Apr. 7.
Vamps, Machine for treating. H. S. Lyness. 1,532,539; Apr. 7.
Vanity case. J. Ritter. Des. 66,986; Apr. 7.
Vaporizer. E. B. Rodgers. 1,532,638; Apr. 7.
Vapors for hygienic or cosmetic purposes, Apparatus for generating and applying. W. Otto. 1,532,199; Apr. 7.
Vehicle body suspension. B. F. Seymour. 1,532,605; Apr. 7.
Vehicle brake. C. W. Chapin. 1,532,884; Apr. 7.
Vehicle bumper. F. E. Andreani. 1,532,218; Apr. 7.
Vehicle bumper. W. C. Rice. 1,532,661; Apr. 7.
Vehicle construction, Cushion connection for. A. F. Masury. 1,532,541; Apr. 7.
Vehicle, Convertible. J. P. Fletcher. 1,532,128; Apr. 7.
Vehicle fender guard, Motor-. L. H. MacDonald. 1,532,508; Apr. 7.
Vehicle having brakes. L. Blackmore. 1,532,470; Apr. 7.
Vehicle having brakes. C. A. Boom. 1,532,471; Apr. 7.
Vehicle light bracket, Motor-. E. G. Wright. 1,532,642; Apr. 7.
Vehicle of any kind, Motor. F. Gauss. 1,532,176; Apr. 7.
Vehicle searchlight bracket. F. G. Whittington. Des. 66,996; Apr. 7.
Vehicle spring. J. S. Booth. 1,532,678; Apr. 7.
Vehicle spring. O. C. Winestock. 1,532,565; Apr. 7.
Vehicle visor, Motor-. J. Berg. 1,532,726; Apr. 7.
Vehicle wheel. R. R. Mundell. 1,532,196; Apr. 7.
Vehicle wheel, Composite. H. N. Atwood. 1,532,977; Apr. 7.
Vehicles, Direction indicator for motor. E. L. King. 1,532,501; Apr. 7.
Vehicles, Route indicator for. P. H. Coleman and F. W. Stout. 1,532,781; Apr. 7.
Velocipede, Hobbyhorse. J. R. Sieger. 1,532,204; Apr. 7.
Ventilating device. D. T. Lyon. 1,532,505; Apr. 7.
Ventilator: *See*—
Ceiling ventilator. Window ventilator.
Vibrating machine. R. C. Stubbs. 1,532,848; Apr. 7.
Visor. C. I. Wille. 1,532,791; Apr. 7.
Vulcanizing machine. W. A. Gwynn. 1,532,604; Apr. 7.
Wall, Building. A. Rumpler. 1,532,954; Apr. 7.
Wall, Circular. L. Balaban. 1,532,978; Apr. 7.
Wall structures, Facing. W. A. Carter. 1,532,684; Apr. 7.
Warps from damage in looms, Protecting. W. H. Baker. 1,532,667–8; Apr. 7.
Washing machine. H. Blum. 1,532,366; Apr. 7.
Washing machine for light household service. R. H. Kirby. 1,532,185; Apr. 7.
Waste receptacle. R. T. Suddendorf. 1,532,844; Apr. 7.
Watchcase. G. D. Moylan. Des. 66,998–67,000; Apr. 7.
Watchcase. A. W. Wadsworth and A. P. Conant. Des. 66,995; Apr. 7.
Watchcase appendage. A. W. Wadsworth and A. P. Conant. Des. 66,994; Apr. 7.
Water circulator. C. C. Herbert. 1,532,405; Apr. 7.
Water heater. A. J. Kercher. 1,532,903; Apr. 7.
Water heater, Electric-induction. C. Kaiser. 1,532,498; Apr. 7.
Water mains, Cleaning apparatus for. A. W. Annert. 1,532,976; Apr. 7.
Waterproof container. K. Waibel. 1,532,614; Apr. 7.
Water-supply fixture. P. Mueller. 1,532,438; Apr. 7.
Waterer, Hog-. C. N. Peterson. 1,532,940; Apr. 7.
Weather strip. A. H. Kuhlmann. 1,532,321; Apr. 7.
Weighing device, Portable partial-load and full-load. A. Schlabach. 1,532,835; Apr. 7.
Welding and apparatus therefor, Supplying current for arc. H. A. Brown and A. M. Bennett. 1,532,680; Apr. 7.
Welding jig, Electric. J. W. Meadowcroft. 1,532,833; Apr. 7.
Well-drilling apparatus, Rotary deep-. C. E. Reed. 1,532,551; Apr. 7.
Wells, Pumping device for oil. J. J. Fitzpatrick. 1,532,623; Apr. 7.
Wheel: *See*—
Automobile steering wheel. Spring wheel.
Metal wheel. Tread wheel.
Sawmill-carriage wheel. Vehicle wheel.
Spinning wheel.
Wheel or like, Laminated landing. H. N. Atwood and G. B. Bains, 3d. 1,532,725; Apr. 7.
Whip-actuating device. P. B. and M. Hansen. 1,532,816; Apr. 7.
Whip-actuating device. P. O. Heller. 1,533,003; Apr. 7.
White lead, Manufacture of. G. F. Lloyd, F. B. Clapp, and F. H. Campbell. 1,532,419; Apr. 7.
Window and window frame. A. S. Campbell. 1,532,375; Apr. 7.
Window construction. A. L. Mason. 1,532,916; Apr. 7.
Window-control mechanism. A. R. Clas. 1,532,230; Apr. 7.
Window fastener, Casement-. C. H. Golladay. 1,532,997; Apr. 7.
Window frame. A. S. Campbell. 1,532,374; Apr. 7.
Window protector. P. P. Brown. 1,532,472; Apr. 7.
Window ventilator. J. S. Mackenzie. 1,532,628; Apr. 7.
Windows, Safety device for. C. H. McElroy. 1,532,769; Apr. 7.
Windshield. A. B. Mueller. 1,532,257; Apr. 7.
Wire reducing. L. G. and P. E. Breguet. 1,532,873; Apr. 7.
Wireless-telegraph apparatus for aeroplanes. H. M. Dowsett. 1,532,388; Apr. 7.
Wireless-telegraph calling device. W. H. Nottage and T. D. Parkin. 1,532,836; Apr. 7.
Wood grinders and method thereof, Apparatus for feeding continuous-working. W. Rabus. 1,532,946; Apr. 7.
Wooden tub. F. Layton. 1,533,015; Apr. 7.
Woodwork and other structural materials, Decorated or ornamental. L. G. Nicoll. 1,533,027; Apr. 7.
Woodworking machines, Electric-motor controller for. C. J. Marshall. 1,532,423; Apr. 7.
Workstand and turntable, Combination. F. J. Probst. 1,532,728; Apr. 7.
Wrench: *See*—
Pipe wrench.
Wrench. L. J. Black. 1,532,469; Apr. 7.
Wrench. J. M. Crocker. 1,532,174; Apr. 7.
Wrench. J. R. Singer and J. F. Brice. 1,533,040; Apr. 7.
Wrench for pipe or tubing. E. D. Hill. 1,532,406; Apr. 7.
Wringer. S. Leech. 1,533,016; Apr. 7.
Writing instrument. F. Waldorf. 1,532,284; Apr. 7.
Writing set. P. Trarara. Des. 66,992; Apr. 7.
Yarn-dyeing device. G. T. Thomayer. 1,532,559; Apr. 7.
Yarn, Machine for treating banks of. S. S. Lord. 1,532,420; Apr. 7.
Yarn-splicing mechanism. F. W. Brewster. 1,532,572; Apr. 7.
Yeast, Manufacture of. R. F. Bacon. 1,532,858; Apr. 7.

CLASSIFICATION OF PATENTS

ISSUED APRIL 7, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 19: 1,532,861
47: 1,533,063
2— 12: 1,532,317
1,532,480
1,532,611
42: 1,532,350
1,532,444
43: 1,532,304
46: 1,532,304
102: 1,532,267
127: 1,532,563
146: 1,532,596
172: 1,532,198
1,532,760
191: 1,532,310
4— 87: 1,532,324
100: 1,532,905
148: 1,532,433
1,532,714
5— 343: 1,532,497
7— *3: 1,532,147
8— 2: 1,532,845
5: 1,532,437
1,532,921
10: 1,532,420
1,532,559
1,532,707
1,532,923
20: 1,532,114
1,532,446
9— 14: 1,533,023
17: 1,532,970
20: 1,532,143
23: 1,532,857
26: 1,532,367
12— 136: 1,532,150
1,533,006
15— 15: 1,532,120
21: 1,532,717
28: 1,532,280
131: 1,532,307
1,532,804
138: 1,532,955
172: 1,532,922
200: 1,532,904
202: 1,533,021
16— 32: 1,532,239
125: 1,532,906
128: 1,532,865
139: 1,532,907
163: 1,532,180
178: 1,532,481
17— 2: 1,533,018
44: 1,532,974
18— 17: 1,532,140
18: 1,532,904
38: 1,532,274
48: 1,532,536
50: 1,532,906
82: 1,532,313
83: 1,532,225
1,532,226
1,532,227
1,532,645
1,532,651
59: 1,532,388
19— 80: 1,532,415
143: 1,532,662
20— 0.5: 1,532,729
1,533,041
7: 1,533,074
19: 1,532,560
1,532,896
43: 1,533,048
56.1: 1,532,916
66: 1,532,321
75: 1,532,204
100: 1,532,734
22— 13: 1,533,741
38: 1,532,539
65: 1,532,537
1,532,690
141: 1,533,067
157: 1,533,010
23— 33: 1,532,577
1,532,578
71: 1,532,419
23— 144: 1,532,454
154: 1,532,009
184: 1,532,499
201: 1,532,500
24— 19: 1,532,596
23: 1,532,749
1,532,825
64: 1,532,168
69: 1,532,173
85: 1,532,343
123: 1,532,862
137: 1,532,510
150: 1,532,566
239: 1,532,632
236: 1,532,613
238: 1,532,450
240: 1,532,511
241: 1,532,927
250: 1,532,381
25— 30: 1,532,407
78: 1,532,440
121: 1,532,924
131.5: 1,532,365
1,532,555
154: 1,532,684
26— 12: 1,532,989
27— 6: 1,532,237
28— 19: 1,532,240
54: 1,532,517
29— 19: 1,532,007
86.4: 1,532,777
148.2: 1,532,891
30— 3: 1,532,594
12: 1,532,131
1,532,498
13: 1,532,860
1,535,039
31— 4: 1,532,913
32— 20: 1,532,821
33— 4: 1,532,539
80: 1,532,910
90: 1,532,353
148: 1,532,297
34— 1: 1,535,053
5: 1,532,574
19: 1,532,948
21: 1,532,716
45: 1,532,303
14: 1,532,942
22: 1,533,006
35: 1,532,209
36: 1,532,484
76: 1,532,862
43: 1,532,567
1,532,728
117: 1,532,775
43: 1,532,987
10: 1,533,006
16: 1,532,127
32: 1,532,713
39: 1,532,575
42: 1,532,731
64: 1,532,806
70: 1,532,740
113: 1,532,906
120: 1,532,863
125: 1,532,865
146: 1,532,536
149: 1,532,200
41— 2: 1,532,672
3.5: 1,532,834
10: 1,532,326
21: 1,532,712
1: 1,532,859
43— 86: 1,532,900
91: 1,532,222
1,532,223
28: 1,532,584
1,533,044
45: 1,533,023
76: 1,532,564
140: 1,532,215
44— 23: 1,532,344
48: 1,532,994
45— 9: 1,532,715
1,532,996
22: 1,532,370
46— 14: 1,533,034
24: 1,532,232
35: 1,533,011
36: 1,532,424
40: 1,532,307
1,532,482
47: 1,532,330
48: 1,532,666
48— 63: 1,532,179
180: 1,532,248
1,532,518
1,532,770
1,532,866
49— 5: 1,532,254
14: 1,532,255
17: 1,532,182
23: 1,532,134
1,532,704
42: 1,532,162
55: 1,532,514
79: 1,532,163
51— 169: 1,532,687
215: 1,532,490
53— 5: 1,532,184
1,533,075
6: 1,532,861
8: 1,532,133
54— 6: 1,532,853
15: 1,532,622
19: 1,532,516
55— 21: 1,533,014
83: 1,533,029
114: 1,532,764
56— 6: 1,533,068
22: 1,533,057
116: 1,533,080
285: 1,533,028
291: 1,532,279
298: 1,533,035
306: 1,532,358
362: 1,533,025
405: 1,532,132
58— 4: 1,532,986
59— 79: 1,532,334
61— 57: 1,532,711
62— 1: 1,532,962
4: 1,532,314
103: 1,532,936
116: 1,532,824
119: 1,532,399
64— 25: 1,532,993
27: 1,532,618
38: 1,532,430
51: 1,532,270
54: 1,532,181
91: 1,532,743
96: 1,532,183
102: 1,532,606
106: 1,532,464
107: 1,532,752
65— 20: 1,532,197
66— 4: 1,532,724
17: 1,532,810
67— 1: 1,533,013
68— 3: 1,532,202
9: 1,532,550
1,532,617
1,532,860
10: 1,532,312
1,532,840
1,532,973
28: 1,532,838
27: 1,532,382
32: 1,533,016
37: 1,532,396
14: 1,532,245
70— 39: 1,532,294
127: 1,532,347
129: 1,532,342
72— 7: 1,532,313
16: 1,532,954
33: 1,532,874
90: 1,532,978
138: 1,532,380
73— 31: 1,532,170
54: 1,532,477
68: 1,532,295
73— 82: 1,532,530
100: 1,532,932
186: 1,532,692
74— 6: 1,532,962
1,532,963
7: 1,532,465
1,532,557
1,532,809
1,533,072
8: 1,532,148
14: 1,532,185
1,532,191
39: 1,532,176
1,532,314
1,532,494
1,532,884
1,532,934
1,532,969
1,532,972
58: 1,532,778
81: 1,532,868
1,532,870
98: 1,533,047
105: 1,532,546
108: 1,532,121
1,532,937
1,533,055
109: 1,532,206
1,532,293
1,532,547
1,532,938
75— 43: 1,532,691
57: 1,532,508
72: 1,532,113
198: 1,532,798
76— 108: 1,532,350
77— 2: 1,532,914
78— 21: 1,532,873
80— 24: 1,533,026
39: 1,532,488
81— 66: 1,532,406
1,532,469
96: 1,532,803
137: 1,532,174
145: 1,533,040
192: 1,532,315
193: 1,532,592
82— 2: R.16,038
12: 1,532,959
38: 1,532,708
83— 46: 1,532,742
56: 1,532,720
60: 1,532,390
73: 1,532,240
1,532,277
1,532,801
1,532,947
75: 1,532,946
86: 1,532,780
84— 53: 1,533,052
447: 1,532,702
85— 1.5: 1,532,730
86— 20: 1,532,920
87— 10: 1,532,698
88— 1: 1,533,236
14: 1,532,995
17: 1,532,386
1,532,544
41: 1,532,323
1,532,455
86: 1,532,578
1,532,879
1,532,880
89— 2: 1,532,308
36: 1,532,362
41: 1,532,754
1,532,794
90— 8: 1,532,378
12: 1,532,660
13.5: 1,532,653
91— 2: 1,532,797
39: 1,532,256
69: 1,532,819
70: 1,532,234
92— 20: 1,532,570
21: 1,532,648
26: 1,532,649
92— 38: 1,532,597
39: 1,532,660
67: 1,532,117
68: 1,532,149
93— 36: 1,532,641
94— 48: 1,532,941
48: 1,532,943
95— 5: 1,533,027
5.6: 1,532,188
5.7: 1,532,696
9: 1,532,785
1,532,818
96— 20: 1,532,920
97— 20: 1,532,920
158: 1,532,331
205: 1,532,556
215: 1,532,986
242: 1,533,006
244: 1,533,059
98— 49: 1,532,505
99— 6: 1,532,496
8: 1,532,831
11: R.16,039
1,532,806
14: 1,532,931
16: 1,532,476
100— 5: 1,532,194
41: 1,532,525
101— 57: 1,532,800
65: 1,532,698
131: 1,532,925
212: 1,532,837
297: 1,532,360
338: 1,533,062
1,533,063
1,533,064
1,533,065
102— 10: 1,532,125
25: 1,532,531
36: 1,532,341
1,532,368
1,532,369
39: 1,532,355
103— 4: 1,532,326
7: 1,532,439
45: 1,532,231
89: 1,532,405
104: 1,532,992
120: 1,532,735
219: 1,532,670
236: 1,532,256
105— 62: 1,532,699
205: 1,532,792
242: 1,532,812
280: 1,532,309
410: 1,532,918
1,532,922
106— 20: 1,532,908
107— 48: 1,532,275
108— 1: 1,532,606
5.4: 1,532,872
33: 1,532,421
109— 3: 1,532,435
110— 1: 1,532,980
8: 1,532,758
55: 1,532,396
106: 1,532,647
112— 67: 1,532,301
241: 1,532,535
263: 1,532,327
113— 39: 1,532,856
54: 1,532,659
112: 1,532,288
114— 16.7: 1,532,281
115— 4: 1,532,459
23: 1,532,990
34: 1,532,333
116— 36: 1,532,221
43: 1,533,876
45: 1,532,583
57: 1,532,548
130— 10: 1,532,145
33: 1,532,848
91: 1,532,606
117— 88: 1,532,703
118— 11: 1,532,282
119— 19: 1,532,496
25: 1,532,429
60: 1,532,276
76: 1,532,940
120— 18: 1,532,284
28: 1,532,479
42: 1,532,746
47: 1,532,445
94: 1,532,240
96: 1,532,167
121— 194: 1,532,933
122— 37: 1,532,999
68: 1,533,507
460: 1,532,242
511: 1,532,520
123— 25: 1,532,638
33: 1,532,512
48: 1,532,788
53: 1,532,306
1,533,004
71: 1,532,491
119: 1,532,619
122: 1,532,384
148: 1,532,292
1,532,787
149: 1,532,799
176: 1,532,915
185: 1,532,776
190: 1,532,483
198: 1,532,473
215: 1,532,528
124— 15: 1,532,669
125— 13: 1,533,056
126— 20: 1,532,945
80: 1,532,912
99: 1,532,839
99: 1,532,958
101: 1,532,506
147: 1,532,453
148: 1,532,967
152: 1,532,526
344: 1,532,199
127— 41: 1,532,271
48: 1,533,033
55: 1,533,030
128— 191: 1,532,654
218: 1,532,744
291: 1,532,823
327: 1,532,299
129— 16: 1,533,002
130— 32: 1,532,968
131— 9: 1,532,422
10: 1,532,403
1,532,732
12: 1,532,387
51: 1,532,262
1,532,363
1,533,050
57: 1,532,269
59: 1,532,602
133— 25: 1,532,495
31: 1,532,238
37: 1,532,966
41: 1,532,553
73: 1,533,020
82: 1,533,830
83: 1,532,442
134— 24: 1,532,557
135— 16: 1,532,302
38: 1,533,054
136— 39: 1,532,263
58: 1,532,249
1,533,013
137— 53: 1,532,907
70: 1,532,976
78: 1,532,329
93: 1,532,408
1,532,656
104: 1,532,291
139: 1,532,944
160: 1,532,928
162: 1,532,615
139— 10: 1,532,145
33: 1,532,848
91: 1,532,606

139— 115: 1,532,667
1,532,668
137: 1,532,759
1,532,760
1,532,761
1,532,762
159: 1,532,808
215: 1,533,037
217: 1,533,036
270: 1,532,175
140— 92.2: 1,532,187
117: 1,532,771
142— 120: 1,532,949
144— 87: 1,532,467
114: 1,532,423
134: 1,532,053
145— 36: 1,532,135
47: 1,532,570
52: 1,532,983
61: 1,532,922
146— 28: 1,532,458
30: 1,532,413
110: 1,532,266
148— 15: 1,532,663
150— 1.5: 1,532,941
151— 2: 1,532,603
22: 1,532,998
153— 2: 1,532,425
30: 1,532,911
35: 1,532,196
50: 1,532,166
153— 13: 1,532,318
67: 1,532,285
154— 42: 1,532,747
155— 41: 1,532,417
95: 1,532,354
182: 1,532,400
156— 24: 1,532,701
31: 1,532,519
157— 1: 1,532,416
1,533,073
6: 1,532,580
158— 27: 1,533,024
28: 1,532,738
40: 1,533,038
46.5: 1,532,882
63: 1,532,582
75: 1,533,042
78: 1,532,306
91: 1,532,847
99: 1,532,260
1,532,612
164— 28: 1,532,538
29: 1,532,926
166— 2: 1,532,623
15: 1,532,253
167— 6: 1,532,157
1,532,631
7: 1,532,521
170— 150: 1,532,156
167: 1,532,346
168: 1,532,827
169: 1,532,601
171— 252: 1,532,351
172— 276: 1,532,287
280: 1,532,288
173— 269: 1,532,889
328: 1,532,200
337: 1,532,208
367: 1,532,449
174— 89: 1,532,462
1,532,463
175— 294: 1,532,786
369: 1,532,220
177— 329: 1,532,493

177— 329: 1,532,501
178— 51: 1,532,739
63: 1,532,172
179— 1: 1,532,513
7: 1,532,301
8: 1,532,241
11: 1,532,392
17: 1,533,079
18: 1,532,130
1,532,864
27: 1,532,849
42: 1,532,652
43: 1,532,888
49: 1,532,216
1,532,217
89: 1,532,207
90: 1,532,643
1,532,655
1,532,664
1,532,676
1,532,677
175: 1,532,160
180— 1: 1,532,479
77: 1,532,809
183— 48: 1,532,657
70: 1,532,780
77: 1,532,118
184— 13: 1,532,426
27: 1,532,620
55: 1,532,971
104: 1,532,348
187— 29: 1,532,529
188— 10: 1,532,470
77: 1,532,629
90: 1,532,319
106: 1,532,644
135: 1,532,515
140: 1,532,919
171: 1,532,138
184: 1,532,675
185: 1,532,674
187: 1,532,142
194: 1,532,471
213: 1,532,626
234: 1,532,141
189— 12: 1,532,410
26: 1,533,019
79: 1,532,769
190— 17: 1,532,146
61: 1,532,710
191— 30: 1,532,836
40: 1,532,278
56: 1,532,224
192— 15: 1,532,202
1,532,877
33: 1,532,116
97: 1,532,542
108: 1,532,564
146: 1,532,634
194— 1: 1,532,706
61: 1,533,049
195— 20: 1,532,858
196— 106: 1,532,456
147: 1,533,060
197— 72: 1,532,721
117: 1,532,120
126: 1,532,751
1,533,076
151: 1,532,685
183: 1,532,192
194: 1,532,115
198— 19: 1,532,401
21: 1,532,716
188: 1,532,228
196: 1,532,807

200— 21: 1,532,591
24: 1,532,129
1,532,755
1,532,757
26: 1,532,573
39: 1,532,346
50: 1,532,524
52: 1,532,452
59: 1,532,568
67: 1,532,955
108: 1,532,212
114: 1,532,235
202— 8: 1,532,300
203— 6: 1,532,686
204— 64: 1,532,558
1,532,599
206— 31: 1,532,940
46: 1,532,994
52: 1,532,466
56: 1,532,165
208— 42: 1,532,204
139: 1,532,338
181: 1,532,784
210— 70: 1,532,851
182: 1,533,032
211— 28: 1,532,436
212— 144: 1,532,151
213— 176: 1,532,887
214— 3: 1,532,244
135: 1,533,061
215— 73: 1,532,681
87: 1,532,585
216— 54: 1,532,906
217— 5: 1,532,738
54: 1,532,448
80: 1,533,015
122: 1,532,298
124: 1,532,144
219— 4: 1,532,833
8: 1,532,680
10: 1,532,842
19: 1,532,773
1,532,951
25: 1,532,219
29: 1,532,610
34: 1,532,502
38: 1,532,189
39: 1,532,903
40: 1,532,871
47: 1,532,498
220— 32: 1,532,844
67: 1,532,665
221— 95: 1,532,779
1,532,975
100: 1,532,609
103: 1,532,957
223— 18: 1,532,432
19: 1,532,566
31: 1,532,992
54: 1,532,376
1,532,377
224— 5: 1,532,614
29: 1,532,137
1,532,461
1,532,532
1,532,756
226— 11: 1,532,153
227— 7: 1,532,767
10: 1,532,766
228— 4: 1,532,418
229— 5.5: 1,532,210
6: 1,532,900
41: 1,532,316
230— 1: 1,532,402

230— 11: 1,532,636
24: R.16,041
27: 1,532,198
232— 4: 1,532,411
1,532,412
234— 1: 1,532,705
5.5: 1,532,438
235— 58: 1,533,045
82: 1,532,532
236— 12: 1,532,543
15: 1,532,340
26: 1,532,988
237— 14: 1,532,161
48: 1,532,709
3: 1,532,633
86: 1,532,719
92: 1,532,589
238— 3: 1,532,782
1,532,795
1,532,796
41: 1,532,364
1,532,846
251— 22: 1,532,434
95: 1,532,251
106: 1,532,272
130: 1,532,372
155: 1,533,077
252— 3: 1,533,031
254— 44: 1,533,071

254— 102: 1,532,702
255— 3: 1,532,311
61: 1,532,371
63: 1,532,468
71: 1,532,178
1,532,551
1,532,552
1,532,553
1,532,554
1,532,078
75: 1,532,330
1,532,917
257— 25: 1,532,624
125: 1,532,727
130: 1,532,457
132: 1,532,404
191: 1,532,967
259— 134: 1,532,208
260— 4: 1,532,963
14: 1,532,361
29: 1,532,640
41: 1,532,814
62: 1,532,700
69: 1,532,627
124: 1,532,428
125: R.16,040
1,532,646
138: 1,532,190
151: 1,532,772
154: 1,532,800
261— 1: 1,532,697
39: 1,532,460
73: 1,532,229
121: 1,532,232
262— 3: 1,532,826
7: 1,532,243
263— 2: 1,532,021
11: 1,532,154
25: 1,532,451
35: 1,532,080
46: 1,532,568
264— 15: 1,532,763
265— 20: 1,532,474
41: 1,532,535
49: 1,532,136
267— 10: 1,532,286
41: 1,532,678
47: 1,532,565
54: 1,532,124
1,532,541
268— 4: 1,532,220
7: 1,532,492
8: 1,532,171
10: 1,532,628
67: 1,532,475
270— 41: 1,532,561
271— 31: 1,532,595
272— 12: 1,533,051
35: 1,532,984
65: 1,532,625
70: 1,532,943
1,532,985
73: 1,532,991
77: 1,532,545
81: 1,532,670
89: 1,532,708
94: 1,532,385
95: 1,532,186
100: 1,532,576
115: 1,532,123
119: 1,532,100
135: 1,532,722
137: 1,532,875
274— 2: 1,532,511
275— 5: 1,532,359

276— 20: 1,532,909
40: 1,533,046
277— 18: 1,532,745
33: 1,532,781
278— 12: 1,532,164
279— 62: 1,532,328
1,532,329
280— 9: 1,532,950
47: 1,532,337
57: 1,532,700
96.2: 1,532,005
178: 1,532,816
1,533,003
281— 40: 1,532,389
42: 1,532,527
283— 18: 1,532,901
56: 1,532,379
285— 9: 1,532,396
28: 1,532,897
82: 1,532,849
86: 1,532,886
95: 1,532,195
98: 1,532,774
165: 1,532,352
171: 1,532,820
287— 108: 1,532,602
288— 1: 1,532,961
293— 63: 1,532,222
219: 1,532,441
241: 1,532,447
251: 1,532,472
278: 1,532,737
302: 1,533,017
350: 1,532,765
295— 55: 1,532,218
1,532,264
1,532,487
1,532,661
1,532,673
1,533,068
1,533,069
57: 1,532,808
294— 15: 1,533,001
31: 1,532,247
33: 1,532,246
36: 1,532,815
86: 1,532,150
102: 1,532,979
296— 10: 1,532,581
299— 19: 1,532,128
45: 1,532,869
52: 1,532,540
77: 1,532,320
84: 1,532,257
95: 1,532,726
1,532,791
1,533,007
97: 1,532,208
145: 1,532,374
1,532,375
298— 84: 1,532,809
97: 1,532,443
98: 1,532,208
301— 11: 1,532,658
31: 1,532,560
32: 1,532,571
44: 1,532,273
63: 1,532,725
1,532,977
65: 1,532,488
108: 1,532,966
302— 55: 1,532,132
303— 80: 1,532,126
306— 33: 1,532,864
308— 88: 1,532,813

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Acme Refining Company, The, Cleveland, Ohio. Thread-cutting oil. 197,325; Apr. 14; Serial No. 204,342; published Feb. 3, 1925.

Adam, J. N. & Co., Buffalo, N. Y. Ammonia and bluing. 197,392; Apr. 14; Serial No. 206,502; published Feb. 3, 1925.

Aeroshade Company, The, Waukesha, Wis. Porch and window shades. 197,251; Apr. 14; Serial No. 205,145; published Jan. 13, 1925.

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Aktieselskabet de Forenede Bryggerier, Copenhagen, Denmark. Malt beverage. 197,369; Apr. 14; Serial No. 199,667; published Jan. 27, 1925.

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B & H Pharmacal Co., The. (See Bransky & Harris.)

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Beck, Arthur, doing business as Arthur Beck Company, Not Inc., Chicago, Ill. Chemical used as a disinfectant, sterilizer, etc. 197,186; Apr. 14; Serial No. 205,048; published Jan. 20, 1925.

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Cello Products Incorporated, New York, N. Y. Transparent or translucent elastic body or film. 197,366; Apr. 14; Serial No. 198,453; published Aug. 12, 1924.

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Conradty, C., Nuremberg, Germany. Carbons for arc lights, carbon electrodes and brushes, etc. 197,278; Apr. 14; Serial No. 178,431; published Jan. 13, 1925.

Conquest Marmalade Company, Spring Lake, N. J. Marmalade. 197,352; Apr. 14; Serial No. 199,276; published Feb. 3, 1925.

Cortland Line Co. Inc., Cortland, N. Y. Fishing lines. 197,454; Apr. 14.

Cotera, Francisco, doing business as Cotera Hermanos, El Paso, Tex. Coffee. 197,422; Apr. 14; Serial No. 206,607; published Feb. 3, 1925.

Coulson, Arthur R., San Quentin, Calif. Poultry and animal food. 197,315; Apr. 14; Serial No. 205,395; published Jan. 20, 1925.

Cracker Jack Co., The, Chicago, Ill. Candied pop corn. 197,337; Apr. 14; Serial No. 203,358; published Feb. 3, 1925.

Crosley Radio Corporation, The, Cincinnati, Ohio. Vacuum tubes, radio receiving sets, and parts of same. 197,319; Apr. 14; Serial No. 204,760; published Jan. 20, 1925.

Dale Laboratories. (See Burgess, Johnson, Webb Corporation.)

Daniels, M., & Jett, Gary, Ind. Soap. 197,234; Apr. 14; Serial No. 203,875; published Jan. 13, 1925.

Dazzle Company, The. (See Car-Skaden, Dayton B.)

Dearborn Chemical Company, Chicago, Ill. Compound to clean foreign substances from metal parts and glass, etc. 197,147; Apr. 14; Serial No. 195,872; published Jan. 20, 1925.

De Bruyn, Marius, doing business as M. de Bruyn Importing Co., New York, N. Y. Canned sardines. 197,317; Apr. 14; Serial No. 205,319; published Jan. 27, 1925.

Detroit Commerce Company, Detroit, Mich. Evaporated milk. 197,227; Apr. 14; Serial No. 204,816; published Jan. 27, 1925.

De Witt, E. C., & Co. Inc., Chicago, Ill. Preparations for internal and external use. 197,205; Apr. 14; Serial No. 204,897; published Jan. 27, 1925.

Diel Watch Case Company, New York, N. Y. Watches and watchcases. 197,273; Apr. 14; Serial No. 196,731; published Jan. 20, 1925.

Di Fiore, D., Canning Co., San Jose, Calif. Canned fruits and vegetables. 197,428; Apr. 14; Serial No. 205,744; published Feb. 3, 1925.

Drendell Electrical & Mfg. Co., San Francisco, Calif. Panel boards, switchboards, electric switch boxes, etc. 197,283; Apr. 14; Serial No. 203,724; published Jan. 20, 1925.

Duglay, Howard A., doing business as Witch Rose Laboratories, Pontiac, Mich. Skin lotion. 197,149; Apr. 14; Serial No. 186,466; published Jan. 20, 1925.

Duluth-Superior Milling Company. (See Listman, William, Milling Co., assignor.)

Eagle Picher Lead Company, The, Cincinnati, Ohio. Basic lead sulphate. 197,345; Apr. 14; Serial No. 192,564; published Jan. 27, 1925.

Eggens-Hambler Company, New York, N. Y. Fountain pens. 197,349; Apr. 14; Serial No. 197,999; published Feb. 3, 1925.

Eilert Products Co., Fresno, Calif. Malt or hop beverage. 197,373; Apr. 10; Serial No. 200,754; published Jan. 27, 1925.

Electric Vacuum Cleaner Company, Inc., Cleveland, Ohio. Electric vacuum cleaners and parts thereof. 197,302; Apr. 14; Serial No. 205,997; published Jan. 20, 1925.

Electro Compound Co., The, Cleveland, Ohio. Compound for lubricating electrical wires and cables. 197,351; Apr. 14; Serial No. 199,049; published Feb. 3, 1925.

Elite Cocoa Company, Milwaukee, Wis. Cocoa. 197,202; Apr. 14; Serial No. 205,325; published Jan. 27, 1925.

Elliott Juvenile Shoe Company, The, Cleveland, Ohio. Shoes. 197,262; Apr. 14; Serial No. 202,388; published Jan. 13, 1925.

Encoe & Encoe Menthol Company, Kansas City, Mo. External remedy to relieve catarrh or cold in head, throat, or lungs, insect bites, etc. 197,187; Apr. 14; Serial No. 205,068; published Dec. 30, 1924.

Enterprise Mfg. Co., Augusta, Ga. Sheetings and drillings. 46,104; renewed Sept. 5, 1925.

Everybodys Poultry Magazine Publishing Co., Hanover, Pa. Magazine. 197,321; Apr. 14; Serial No. 204,548; published Dec. 16, 1924.

Fairchild Company, Chicago, Ill. Magazine articles. 197,449; Apr. 14.

Fanti, Alfred, New York, N. Y. Title to a weekly report on fashions. 197,269; Apr. 14; Serial No. 200,313; published Jan. 20, 1925.

Federal Composition & Paint Company, Inc., The, New York, N. Y. Paints and enamel. 197,323; Apr. 14; Serial No. 204,360; published Feb. 3, 1925.

Fenko Company. (See Hejda, John F.)

Figueras y Regalado, Sebastian, Habana, Cuba, and New York, N. Y. Monthly publication. 197,255; Apr. 14; Serial No. 205,691; published Jan. 13, 1925.

Fletcher, Robert, and Son Limited, Stonecliough, Manchester, England. Tissue, typewriter, duplicating, and copying paper, and mailing envelopes. 197,340; Apr. 14; Serial No. 202,494; published Feb. 3, 1925.

Foote Radio Corporation, Philadelphia, Pa. Radiocrystals. 197,309; Apr. 14; Serial No. 205,747; published Jan. 20, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen cloths. 45,865; renewed Aug. 29, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 197,462; Apr. 14.

Fort Wayne Drug Company, Fort Wayne, Ind. Pharmaceutical preparation for the treatment of diseases of the skin, etc. 197,152; Apr. 14; Serial No. 164,412; published Mar. 25, 1924.

Frank, Jacob M., Chicago, Ill. Coffee. 197,299; Apr. 14; Serial No. 163,149; published Jan. 13, 1925.

Frost, Herbert H., Incorporated, Chicago, Ill. Radiolacks. 197,225; Apr. 14; Serial No. 205,056; published Jan. 13, 1925.

Fry, Geo. H. W., Atlanta, Ga. Soap. 197,231; Apr. 14; Serial No. 204,362; published Jan. 13, 1925.

Furuness, John, Coeur d'Alene, Idaho. Medicine for tuberculosis. 197,138; Apr. 14; Serial No. 201,804; published Jan. 20, 1925.

Game Balls Company Limited, The, Brentford, England. Handballs, baseballs, cricket balls, etc. 197,355–8; Apr. 14; Serial Nos. 199,985; published Jan. 27, 1925.

Glandular Laboratories of America, New York, N. Y. Medicinal treatment. 197,393; Apr. 14; Serial No. 206,521; published Feb. 3, 1925.

Globe Phone Manufacturing Company, Reading, Mass. Radio head phones, loud speakers, etc. 197,350; Apr. 14; Serial No. 198,943; published Jan. 20, 1925.

Gold Dust Corporation, Jersey City, N. J. Dish mops. 197,419; Apr. 14; Serial No. 206,067; published Feb. 3, 1925.

Gold Star Co. (See Petris, George.)

Good Grape Company, The, Chattanooga, Tenn. Beverage sold as a soft drink. 197,415; Apr. 14; Serial No. 205,824; published Feb. 3, 1925.

Grace, W. R., & Co., New York, N. Y.; San Francisco, Calif.; Lima, Callao, and Arequipa, Peru; Valparaiso and Santiago, Chile; Concepcion, Uruguay; Valdivia, Equador; and La Paz, Bolivia. Nitrate of soda. 197,142; Apr. 14; Serial No. 200,315; published Jan. 20, 1925.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Canned caviar. 197,424; Apr. 14; Serial No. 206,068; published Feb. 3, 1925.

Grecian Chemical Company, Philadelphia, Pa. Cream for treatment of the skin, toilet waters, and hair tonics. 197,394; Apr. 14; Serial No. 206,522; published Feb. 3, 1925.

Groun-Tite Fixture Strap Company, Minneapolis, Minn. Electric-light-fixture-attaching straps. 197,270; Apr. 14; Serial No. 199,940; published Jan. 13, 1925.

Grushlaw & Sichel, Philadelphia, Pa. Knitted fabrics. 197,414; Apr. 14; Serial No. 205,411; published Feb. 3, 1925.

Gumport, J. I., and Sons, Inc., New York, N. Y. Monthly periodical. 197,154; Apr. 14; Serial No. 203,569; published Jan. 20, 1925.

Guthrie, James, doing business as Guthrie Company, Grafton, Ohio. Radio receiving sets and parts thereof. 197,222; Apr. 14; Serial No. 205,630; published Jan. 20, 1925.

Guthrie, James, doing business as Guthrie Company, Grafton, Ohio, Radio receiving sets and parts thereof. 197,312; Apr. 14; Serial No. 205,637; published Jan. 20, 1925.

H. K. Product Company. (See Killinger, Harry D.)

Hafner, Carl, Rock Springs, Wyo. Metal, wood, or cardboard dispensing containers. 197,370; Apr. 14; Serial No. 199,884; published Jan. 27, 1925.

Harris, Dr., Medicine Co. (See McFall, Frank B.)

Harris, Joseph A., Montreal, Quebec, Canada. Antiseptic for infection of the urinary system. 197,188; Apr. 14; Serial No. 205,062; published Jan. 20, 1925.

Hawley & Hoops, New York, N. Y. Candy. 197,388; Apr. 14; Serial No. 202,625; published Feb. 3, 1925.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 197,294; Apr. 14; Serial No. 182,809; published Jan. 1, 1924.

Hecker-Jones-Jewell Milling Company, New York, N. Y. Pancake flour. 197,328; Apr. 14; Serial No. 204,027; published Jan. 27, 1925.

Heits Company, The, St. Louis, Mo. Malt extract. 197,389; Apr. 14; Serial No. 206,406; published Feb. 3, 1925.

Hejda, John F., doing business as Fenko Company, Baltimore, Md. Laxative tablets. 197,396; Apr. 14; Serial No. 206,620; published Feb. 3, 1925.

Heller, B., & Company, Chicago, Ill. Cleaning and polishing compound. 197,261; Apr. 14; Serial No. 202,449; published Jan. 13, 1925.

Hesse, B. I., Clovis, Calif. Pass books. 197,159; Apr. 14; Serial No. 200,317; published Jan. 20, 1925.

Hilpert, Meier G., Bethlehem, Pa. Game apparatus. 197,344; Apr. 14; Serial No. 188,906; published Jan. 27, 1925.

Hoboken White Lead & Color Works, Inc., Hoboken, N. J. Ready-mixed paints. 197,429; Apr. 14; Serial No. 205,008; published Feb. 3, 1925.

Hochreiner, Leopold, New York, N. Y. Safety pins. 197,247; Apr. 14; Serial No. 204,909; published Jan. 13, 1925.

Hohner, M., Inc., New York, N. Y. Accordions. 197,448; Apr. 14.

Holley, William G., doing business as The Huestis Pharmacal Company, Fort Wayne, Ind. Preparation for the treatment of eczema, pimples, etc. 197,191; Apr. 14; Serial No. 205,165; published Jan. 13, 1925.

Horwood Publishing Company, Los Angeles and San Francisco, Calif., and Chicago, Ill. Weekly magazine. 197,215; Apr. 14; Serial No. 205,873; published Jan. 13, 1925.

Houdayer, Alphonse, Paris, France. Medical instruments for analysis of urine. 197,156; Apr. 14; Serial No. 201,703; published Jan. 13, 1925.

Hudnut, Richard, New York, N. Y. Face powder, vanishing cream, bath crystals, etc. 197,192; Apr. 14; Serial No. 205,166; published Jan. 20, 1925.

Hudnut, Richard, New York, N. Y. Soap. 197,314; Apr. 14; Serial No. 205,419; published Jan. 20, 1925.

Huestis Pharmacal Company, The. (See Holley, William G.)

Hulse Manufacturing Company, Geneva, N. Y. Embossing-press supplies. 197,229; Apr. 14; Serial No. 204,508; published Jan. 20, 1925.

Husemann, Fred, doing business as The Fred Husemann Laboratory, Red Bud, Ill. Beverages and fountain syrups used in the manufacture of carbonated beverages. 197,384; Apr. 14; Serial No. 206,118; published Feb. 3, 1925.

Hynson, Westcott & Dunning, Baltimore, Md. Antiseptics, germicides, and bactericides. 197,189; Apr. 14; Serial No. 205,069; published Dec. 30, 1924.

Hynson, Westcott & Dunning, Baltimore, Md. Antiseptics, germicides, and bactericides. 197,195; Apr. 14; Serial No. 205,336; published Dec. 30, 1924.

Hyser Electric Manufacturing Co., Minneapolis, Minn. Electrical panel boards and fuse boxes. 197,153; Apr. 14; Serial No. 203,571; published Jan. 20, 1925.

Imperial Tobacco Co. (of Great Britain & Ireland), Limited, The. (See Richmond Cavendish Co., The, assignor.)

Independent Paper Mills, Inc., Brooklyn, N. Y. Paper napkins and towels. 197,242–3; Apr. 14; Serial Nos. 204,261–2; published Jan. 13, 1925.

International Silver Company, Meriden and Bridgeport, Conn. Silver-plated flat tableware. 197,217; Apr. 14; Serial No. 206,528; published Jan. 20, 1925.

International Silver Company, Meriden and Bridgeport, Conn. Silver-plated flat tableware. 197,287; Apr. 14; Serial No. 201,960; published Jan. 20, 1925.

Jackson, Lars, doing business as Lars Jackson Co., New York, N. Y. Ready-mixed paint. 197,427; Apr. 14; Serial No. 205,759; published Feb. 3, 1925.

Jacob, Geo. S., doing business as The Sirio Mfg. Co., Vicksburg, Miss. Hairdressing. 197,395; Apr. 14; Serial No. 206,578; published Feb. 3, 1925.

Jacobs Auto Safety Lamp Co., Inc., Blacksburg, Va. Automobile lamps. 197,289; Apr. 14; Serial No. 189,900; published Jan. 20, 1925.

Johnson, W. J., Cleveland, Ohio. Liniment. 197,151; Apr. 14; Serial No. 185,298; published Dec. 16, 1924.

Johnston, Margaret B., Superior, Wis. Flavored pop corn. 197,339; Apr. 14; Serial No. 202,587; published Feb. 3, 1925.

Jordan, W. A., Company, Galesburg, Ill. Canned goods, coffee, etc. 197,150; Apr. 14; Serial No. 185,594; published Jan. 20, 1925.

Kane, Thomas B., doing business as The Philadelphia Bottling Co., Philadelphia, Pa. Distilled water and beverages. 197,375; Apr. 14; Serial No. 202,254; published Jan. 27, 1925.

Kaye, Edgar C., Chicago, Ill. Dental cream. 197,368; Apr. 14; Serial No. 187,163; published Jan. 27, 1925.

Kellogg Toasted Corn Flake Co., Battle Creek, Mich., assignor to Kellogg's Pep & Zep Products, Inc., New York, N. Y. Chewing gum. 197,297; Apr. 14; Serial No. 172,995; published June 3, 1924.

Kemp & Lane, Inc., Le Roy, N. Y. Preparation for the treatment of coughs, colds, and throat troubles. 197,391; Apr. 14; Serial No. 206,485; published Feb. 3, 1925.

Killinger, Harry D., doing business as H. K. Product Company, Columbus, Ohio. Cleaning compound. 197,306; Apr. 14; Serial No. 205,927; published Jan. 20, 1925.

Kimball, Virgil W., Chicago, Ill. Radio receiving sets. 197,249; Apr. 14; Serial No. 205,070; published Jan. 13, 1925.

Kinney-Rome Co., Chicago, Ill. Bed Springs. 197,165; Apr. 14; Serial No. 189,903; published Jan. 13, 1925.

Kirk, James S., & Company, Chicago, Ill. Shaving soap. 197,230; Apr. 14; Serial No. 204,458; published Jan. 13, 1925.

Kline, Urias B.; Mrs. Adaline Arts Bennetch, Reamstown, Pa., successor. Remedy for dyspepsia and indigestion. 45,784; renewed Aug. 29, 1925.

Knoll, H. G., & Co., Inc., New York, N. Y. Medicinal tablets for nervous headaches, etc. 197,143; Apr. 14; Serial No. 198,945; published Jan. 20, 1925.

Koch, Fred, Brewing, Dunkirk, N. Y. Beverages and sirups and concentrates used in the preparation of the same. 197,446; Apr. 14.

Lancaster Press, Inc., Lancaster, Pa. Printed books, pamphlets, and sections thereof. 197,237; Apr. 14; Serial No. 203,186; published Jan. 20, 1925.

Langman, Harry, doing business as Solar Chemical Mfg. Co., Brooklyn, N. Y. Chemical compositions for rendering substances soft or soluble. 197,406; Apr. 14; Serial No. 203,040; published Feb. 3, 1925.

La Vita Laboratories, Ltd., The, Wichita, Kans. Tonics, vaginal suppository, and douche. 197,364; Apr. 14; Serial No. 188,683; published Jan. 27, 1925.

Lawrence, W. W., & Company, Pittsburgh, Pa. Ready-mixed paint. 197,436; Apr. 14; Serial No. 205,213; published Feb. 3, 1925.

Lawrenceburg Roller Mills Co., Lawrenceburg, Ind. Self-rising wheat flour. 197,404; Apr. 14; Serial No. 201,000; published Nov. 18, 1924.

Lawson, Iowen M., New York, N. Y. Phonograph records and player-piano rolls. 197,265; Apr. 14; Serial No. 201,850; published Jan. 20, 1925.

Lenguield Brothers, New Orleans, La. Candy boxes. 197,135; Apr. 14; Serial No. 202,815; published Jan. 27, 1925.

Lighting Fixture & Supply Company Inc., New Orleans, La. Electric-lighting units. 197,300–1; Apr. 14; Serial Nos. 206,008–9; published Jan. 20, 1925.

Listman, William, Milling Co., Superior, Wis., assignor to Duluth-Superior Milling Company, New York, N. Y. Wheat flour. 27,009; renewed Aug. 27, 1925.

Little, A. E., and Company, assignor to A. E. Little Company, Lynn, Mass. Boots and shoes. 45,539; renewed Aug. 22, 1925.

Loueeda Distributing Co. (See Weinstein, Louis.)

Lowe, Joe, Co. Inc., Brooklyn, N. Y. Cake mix. 197,293; Apr. 14; Serial No. 184,084; published Jan. 13, 1925.

Lowe, Joe, Co. Inc., Brooklyn, N. Y. Composition of matter usually made of albumen in combination with modified starches and sugar. 197,400; Apr. 14; Serial No. 164,506; published Feb. 3, 1925.

Luden, William H.; Wm. H. Luden, Inc., Reading, Pa., successor. Cough remedy. 46,120; renewed Sept. 5, 1925.

Ludlow Manufacturing Associates, Boston, Mass. Twine and marline. 197,378; Apr. 14; Serial No. 203,321; published Jan. 27, 1925.

Macy, R. H., & Co., Inc., New York, N. Y. Sarsaparilla, peppermint, cod-liver oil, etc. 197,204; Apr. 14; Serial No. 205,076; published Jan. 27, 1925.

Manning, Bowman & Co., Meriden, Conn. Silver-plated articles. 197,218; Apr. 14; Serial No. 206,180; published Jan. 20, 1925.

Marine Cigar Co., Inc., New Orleans, La. Cigars. 197,388; Apr. 14; Serial No. 206,248; published Feb. 3, 1925.

Marshall Electric Company, St. Louis, Mo. Electric controlling devices. 197,136; Apr. 14; Serial No. 202,632; published Dec. 9, 1924.

Martcross Company, Chicago, Ill. Drying racks or bars for clothes. 197,468; Apr. 14.

Martinelli, S., & Co., Watsonville, Calif. Apple-cider punch sold as soft drinks. 197,458; Apr. 14.

Marvel Manufacturing Company, The, Cumberland, Md. Window and silver polish. 197,318; Apr. 14; Serial No. 204,860; published Jan 20, 1925.

Marvo Foods, Inc., Buffalo, N. Y. Cream of pea, celery, onion, and bariento soups, soup base, and gravy thickener. 197,441; Apr. 14; Serial No. 204,367; published Feb. 3, 1925.

Mason, Au & Magenheimer Confectionery Manufacturing Company, Brooklyn, N. Y. Candies. 197,437; Apr. 14; Serial No. 205,170; published Jan. 27, 1925.

Matheson, Frederick J., Newark, N. J. Hair coloring. 197,182; Apr. 14; Serial No. 204,561; published Jan. 20, 1925.

Mattes, Harold, Chicago, Ill. Radio receiving sets. 197,320; Apr. 14; Serial No. 204,618; published Jan. 20, 1925.

Mavis Hosiery Company, Inc., New York, N. Y. Hosiery. 197,398; Apr. 14; Serial No. 206,676; published Feb. 3, 1925.

McCall, Hartson C., Washington, D. C. Newspaper. 197,256; Apr. 14; Serial Nos. 205,702–8; published Jan. 13, 1925.

McCall, Hartson C., Washington, D. C. Newspaper. 197,257; Apr. 14; Serial No. 205,703; published Jan. 13, 1925.

McCann, Edward J., Elmira, N. Y. Medicinal preparations for the tonsils, etc. 197,183; Apr. 14; Serial No. 204,562; published Jan. 20, 1925.

McFall, Frank B., doing business as Dr. Harris Medicine Co., Danville, Va. Tonic, laxative, and digestive. 197,184; Apr. 14; Serial No. 204,919; published Jan. 20, 1925.

McIntyre, Frederick T., doing business as Atlantic Remedies Company, Hempstead, N. Y. Cod-liver-oil tablets. 197,144; Apr. 14; Serial No. 197,552; published Jan. 20, 1925.

McIntyre, Frederick T., doing business as Atlantic Remedies Company, Hempstead, N. Y. Cod-liver tablets. 197,146; Apr. 14; Serial No. 196,874; published Jan. 20, 1925.

McKay Manufacturing Co., Inc., San Francisco, Calif. Electric automobile lights. 197,238; Apr. 14; Serial No. 203,528; published Jan. 20, 1925.

Meadows, Oakley, Pemberton, W. Va. Folding paper and cloth bags. 197,402; Apr. 14; Serial No. 187,014; published Feb. 3, 1925.

Mengel Company, The, Louisville, Ky. Fiber board and corrugated shipping containers or cartons. 197,383; Apr. 14; Serial No. 206,079; published Feb. 3, 1925.

Mercedes Co-Operative Citrus Fruit Growers. (See Texas Citrus Fruit Growers Exchange, The.)

Minnesota Potato Growers Exchange, St. Paul, Minn. Potatoes. 197,209; Apr. 14; Serial No. 203,967; published Jan. 27, 1925.

Minot, Hooper & Co., New York, N. Y. Drilling. 45,762; renewed Aug. 29, 1925.

Minot, Hooper & Co., New York, N. Y. Woven cotton fabrics. 45,826; renewed Aug. 29, 1925.

Minot, Hooper & Co., New York, N. Y. Woven cotton fabrics. 45,895; renewed Aug. 29, 1925.

Minot, Hooper & Co., New York, N. Y. Sheetings. 46,126; renewed Sept. 5, 1925.

Minot, Hooper & Co., New York, N. Y. Sheetings and drillings. 46,268; renewed Sept. 12, 1925.

Model Brassiere Co. Inc., New York, N. Y. Garter brassières. 197,197; Apr. 14; Serial No. 206,361; published Jan. 13, 1925.

Moland's, Wm., Sons, Inc. (See Squire, Paul C., assignor.)

Monohansett Mfg. Co., Putnam, Conn., assignor to Ridley Watts & Co., New York, N. Y. Sheetings and shirtings. 45,093; renewed Aug. 8, 1925.

Monowatt Electric Import Company, Inc., New York, N. Y. Small Christmas-tree electric-lamp reflectors, electric Christmas-tree-lighting outfits, etc. 197,276; Apr. 14; Serial No. 186,517; published Jan. 13, 1925.

Monroe Drug Co., Unionville, Mo., assignor to Monroe Drug Company, Quincy, Ill. Dyes. 45,142; renewed Aug. 8, 1925.

Montague, Elbert P., doing business as E. P. Montague & Company, Comstock, Mich. Fresh celery. 197,430; Apr. 14; Serial No. 205,480; published Feb. 3, 1925.

Murphy & Yarbrough, Ukiah, Calif. Fresh boxed pears. 197,334; Apr. 14; Serial No. 203,689; published Jan 27, 1925.

Nashua Gummed & Coated Paper Company, Nashua, N. H. Waxed or paraffin paper. 197,353; Apr. 14; Serial No. 199,797; published Feb. 3, 1925.

National Ice Cream Company, Louisville, Ky. Ice cream. 197,226; Apr. 14; Serial No. 205,024; published Jan. 27, 1925.

Navigation Coal Company Incorporated, New York, N. Y. Coal. 197,190; Apr. 14; Serial No. 205,127; published Jan. 6, 1925.

Nelson, Ira J., Modesto, Calif. Fresh grapes. 197,374; Apr. 14; Serial No. 201,620; published Jan. 27, 1925.

New York Evening Post, Inc., New York, N. Y. Title of a newspaper. 197,214; Apr. 14; Serial No. 206,021; published Jan. 13, 1925.

New York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs, hairpins, and hair buckles and clasps. 197,224; Apr. 14; Serial No. 205,129; published Jan. 20, 1925.

Newmark Brothers, Los Angeles, Calif. Coffee. 197,343; Apr. 14; Serial No. 158,138; published Jan. 27, 1925.

Nicholson, Robert, Seed Company, Dallas, Tex. Seeds. 197,173; Apr. 14; Serial No. 203,531; published Jan. 6, 1925.

North Pacific Co-Operative Berry Growers, Seattle, Wash. Canned fruits and berries. 197,291; Apr. 14; Serial No. 186,150; published June 3, 1924.

Nu-Idea Manufacturing Company, Dallas, Tex. Circuit breakers for motor vehicles. 197,232; Apr. 14; Serial No. 204,272; published Jan. 20, 1925.

O'Brien Varnish Company, South Bend, Ind. Automobile finishes—namely, lacquer enamel, putty glaze, etc. 197,433; Apr. 14; Serial No. 205,348; published Feb. 3, 1925.

Ogilvie Sisters, New York, N. Y. Tonic for dry hair, cleansing cream, etc. 197,180; Apr. 14; Serial No. 204,471; published Jan. 13, 1925.

Old Colony Envelope Company, Westfield, Mass. Writing paper and mailing envelopes, announcement paper, etc. 197,241; Apr. 14; Serial No. 203,968; published Jan. 13, 1925.

Oriental Silk Printing Company, Haledon, N. J. Textile fabrics. 197,417; Apr. 14; Serial No. 206,023; published Feb. 3, 1925.

Orocus Tobacco & Trading Corporation, New York, N. Y. Cigarettes. 197,408; Apr. 14; Serial No. 203,969; published Feb. 3, 1925.

Osmond & Son, Limited, Grimsby, England. Medicine for cattle, sheep, and pigs. 197,412; Apr. 14; Serial No. 205,291; published Feb. 3, 1925.

Owl Drug Company, The, San Francisco, Calif. Birdseed, flavoring extracts, fish food, olive oil, etc. 197,268; Apr. 14; Serial 201,100; published Jan. 27, 1925.

Ozarka, Incorporated, Chicago, Ill. Radio sets, head phones, aerial equipment, etc. 197,250; Apr. 14; Serial No. 205,083; published Jan. 13, 1925.

Pacific Lime and Plaster Co., San Francisco, Calif. Lime hydrate. 197,376; Apr. 14; Serial No. 202,305; published Jan. 13, 1925.

Parfumerie Roger & Gallet, Paris, France. Pastes, liquid preparations and powders, and perfumery. 197,193; Apr. 14; Serial No. 205,294; published Jan. 20, 1925.

Parfumerie Roger & Gallet, Paris, France. Soaps. 197,288; Apr. 14; Serial No. 199,082; published Jan. 20, 1925.

Park & Tilford, New York, N. Y. Chocolate and candies. 197,327; Apr. 14; Serial No. 204,111; published Jan. 27, 1925.

Park, Sam R., doing business as Samare Products Co., Waukesha, Wis. Lotion for the skin. 197,178; Apr. 14; Serial No. 204,418; published Jan. 20, 1925.

Paper Manufacturers Educational Assn. Inc., New York, N. Y. Book-paper stock. 197,245; Apr. 14; Serial No. 204,566; published Jan. 13, 1925.

Pastore, Vincent, New London, Conn. Hair tonic. 197,185; Apr. 14; Serial No. 204,928; published Jan. 20, 1925.

Peninsula Publishing Company, The, Tampa, Fla. Semi-monthly magazine. 197,161; Apr. 14; Serial No. 199,718; published Jan. 13, 1925.

Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. General cleansing preparation with water-softening properties. 197,233; Apr. 14; Serial No. 204,247; published Jan. 13, 1925.

Perrine Quality Products Corp., Boston Mass. Batteries and chargers. 197,248; Apr. 14; Serial No. 204,929; published Jan. 13, 1925.

Petris, George, doing business as Gold Star Co., Brooklyn, N. Y. Grapefruit jelly. 197,211; Apr. 14; Serial No. 203,587; published Jan. 27, 1925.

Philadelphia Bottling Co., The. (See Kane, Thomas B.)

Pictorial Gravure Coompany, Chicago, Ill. Registration on photographic reproductions on metallic plates. 197,277; Apr. 14; Serial No. 185,188; published Jan. 20, 1925.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 197,313; Apr. 14; Serial No. 205,438; published Jan. 20, 1925.

Pioneer Instrument Company, Brooklyn, N. Y. Electric running, landing, navigation, etc., lights, ignition interrupters. 197,167. Apr. 14; Serial. No. 188,217; published Jan. 20, 1925.

Poulos Brothers, doing business as Candyland, Boone, Iowa. Candy bar. 197,367; Apr. 14; Serial No. 198,759; published Jan. 27, 1925.

Poultry Breeders Publishing Co., Waverly, Iowa. Name of its publication. 197,272; Apr. 14; Serial No 199,316; published Jan. 20, 1925.

Press Publishing Company, New York, N. Y. Title of a section of a newspaper. 197,221; Apr. 14; Serial No. 205,835; published Jan. 20, 1925.

Prym, William, Company Limited, The, Stolberg, Germany. Ornamental hairpins, buckles, clasps, etc. 197,172; Apr. 14; Serial No. 169,867; published Jan. 13, 1925.

Public Ledger Company, Philadelphia, Pa. Title to a newspaper. 197,213; Apr. 14; Serial No. 206,028; published Jan. 13, 1925.

Puryear-Miller Mfg. Co.; Witsell Bros. Mfg. Co., Memphis, Tenn., successor. Flavoring extracts. 45,311; renewed Aug. 15, 1925.

Quality Appliances Company, Riverside, Ill. Electrical sadirons. 197,455; Apr. 14.

Quik-Suds Distributing Co. (See Boynton, Frank M.)

Quinrex Company, The, Newark, N. J. Preparation for neuritis. 197,196; Apr. 14; Serial No. 205,356; published Jan. 20, 1925.

R. B. Radio Company, New York, N. Y. Radio parts. 197,286; Apr. 14; Serial No. 201,773; published Jan. 13, 1925.

Radio Industries Corporation, New York, N. Y. Radio receiving sets and parts thereof. 197,305; Apr. 14; Serial No. 205,950; published Jan. 20, 1925.

Radio Master Corporation of America, Bay City, Mich. Talking machines. 197,176; Apr. 14; Serial No. 204,277; published Jan. 20, 1925.

Rail Welding & Bonding Company, Cleveland, Ohio. Rail bonds. 197,298; Apr. 14; Serial No. 168,550; published Jan. 20, 1925.

Railton, B. A., Co., Chicago, Ill. Liquid paste and powder, soaps and cleanser. 197,307; Apr. 14; Serial No. 205,784; published Jan. 20, 1925.

Railton, B. A., Co., Chicago, Ill. Liquid paste and powder, soaps and cleanser. 197,308; Apr. 14; Serial No. 205,781; published Jan. 20, 1925.

Reed, Sally, San Francisco, Calif. Women's hats and slips. 197,453; Apr. 14.

Reeder, J. J., Orchard Co., doing business as J. J. & W. T. Reeder Orchard Co., Nashville, Ark. Fresh peaches. 197,443; Apr. 14; Serial No. 204,422; published Jan. 27, 1925.

Regenstein-Veeder Company, Chicago, Ill. Certain paper products—viz. fiber boards and door panels cut therefrom. 197,452; Apr. 14.

Reid Brothers, New York and Forest Hills, N. Y. Exercising device or toy. 197,411; Apr. 14; Serial No. 204,835; published Feb. 3, 1925.

Richmond Cavendish Co., The, Liverpool, England, assignor to The Imperial Tobacco Co. (of Great Britain & Ireland), Limited, Bristol, England. Tobacco, cigars, cigarettes, and snuff. 26,317–18; renewed Apr. 2, 1925.

Ridley Watts & Co. (See Monohansett Mfg. Co., assignor.)

Ring, Inc., The, New York, N. Y. Periodical issued monthly. 197,236; Apr. 14; Serial No. 202,759; published Jan. 20, 1925.

Roberts & Hoge, assignor to Roberts and Hoge Shoe Company, Incorporated, Richmond, Va. Leather boots and shoes. 45,294; renewed Aug. 8, 1925.

Robertson Paper Co., Inc., Bellows Falls, Vt. Waxed-paper lunch rolls. 197,170; Apr. 14; Serial No. 178,408; published Jan. 13, 1925.

Robertson Paper Co. Inc., Bellows Falls, Vt. Waxed-paper lunch rolls. 197,171; Apr. 14; Serial No. 178,680; published Jan. 13, 1925.

Rolnick, Abraham, doing business as Rolnick Jewelry Co., New York, N. Y. Pearl or imitation-pearl necklaces. 197,220; Apr. 14; Serial No. 205,952; published Jan. 20, 1925.

Rosecrest Fruit Exchange, Porterville, Calif. Fresh plums. 197,421; Apr. 14; Serial No. 206,687; published Feb. 3, 1925.

Royal Milling Company, Nashville, Tenn. Self-rising flour. 197,348; Apr. 14; Serial No. 197,961; published Jan. 27, 1925.

Royster, A. D., and Brother, Inc., Raleigh, N. C. Candy. 197,432; Apr. 14; Serial No. 205,362; published Jan. 27, 1925.

Rush and Noble, Chicago, Ill. Telephone instruments. 197,354; Apr. 14; Serial No. 199,806; published Jan. 27, 1925.

Saginaw Milling Company, Saginaw, Mich. Wheat flour. 197,431; Apr. 14; Serial No. 205,363; published Feb. 3, 1925.

Samare Products Co. (See Park, Sam R.)

San Fernando Heights Lemon Co., San Fernando, Calif. Oranges, lemons, grapefruit. 197,420; Apr. 14; Serial No. 206,924; published Feb. 3, 1925.

Schermerhorn, Robert P., San Antonio, Tex. Pamphlet. 197,253; Apr. 14; Serial No. 205,364; published Jan. 13, 1925.

Schickerling Products Manufacturing Company, Inc., Newark, N. J. Radio tubes and detectors. 197,158; Apr. 14; Serial No. 200,833; published Jan. 20, 1925.

Schoen & Yondorf Co. Inc., New York, N. Y. Toy animals. 197,368; Apr. 14; Serial No. 198,966; published Jan. 27, 1925.

Scholl Manufacturing Company Inc., Chicago, Ill. Foot-bath tablet. 197,403; Apr. 14; Serial No. 199,248; published Feb. 3, 1925.

Sears Manufacturing Company, The, Cleveland, Ohio. Electrical transformers and coils. 197,240; Apr. 14; Serial No. 203,694; published Jan. 20, 1925.

Seme, John, Lakewood, Ohio. Preparation for treatment of corns, cuts, boils, etc. 197,194; Apr. 14; Serial No. 205,298; published Jan. 20, 1925.

Shadex Company, The, West Springfield, Mass. Paper window-shade material. 197,206; Apr. 14; Serial No. 204,871; published Jan. 27, 1925.

Shelly Printing Company, St. Louis, Mo. Greeting cards and folders. 197,380; Apr. 14; Serial No. 206,540; published Jan. 27, 1925.

Siegfried, Wilhelm, doing business as Zander & Co., Erfurt, Germany. Paper, pasteboard, and cardboard. 197,163; Apr. 14; Serial No. 196,934; published Jan. 13, 1925.

Silver Lake Company, Newton, Mass. Braided cords. 197,447; Apr. 14.

Sinclair Sales Company, Cedar Rapids, Iowa. Eggs. 197,199; Apr. 14; Serial No. 206,131; published Jan. 27, 1925.

Sirio Mfg. Co., The. (See Jacob, Geo. S.)

Sisco, Peter, Company, Chicago, Ill. Candy. 197,390; Apr. 14; Serial No. 206,437; published Feb. 3, 1925.

Smith, Henry W., Los Angeles, Calif. Artificial marble. 197,181; Apr. 14; Serial No. 204,534; published Jan. 6, 1925.

Smith Rice Mill Company, H., De Witt, Ark. Rice, rice bran, polish, and chicken feed and mixed feeds. 197,418; Apr. 14; Serial No. 205,371; published Jan. 20, 1925.

Spaulding, W. R., Independence, Kans. Leather and fabric dressing. 197,207; Apr. 14; Serial No. 204,677; published Jan. 27, 1915.

Speedex Gasoline Company of Washington, Washington, D. C. Gasoline. 197,442; Apr. 14; Serial No. 204,376; published Feb. 3, 1925.

Sperry Flour Co., San Francisco, Calif. Wheat flour. 197,311; Apr. 14; Serial No. 205,563; published Jan. 20, 1925.

Squire, Paul C., Boston, Mass., assignors to Wm. Moland's Sons, Inc., Philadelphia, Pa. Scrapple, hams, and bacon. 197,296; Apr. 14; Serial No. 174,982; published Mar. 18, 1924.

Stamford Foundry Company, The, Stamford, Conn. Stoves and ranges. 45,941; renewed Aug. 29, 1925.

Stange, John E. W., Oakland, Calif. Auto polish. 197,440; Apr. 14; Serial No. 204,800; published Feb. 3, 1925.

Stanley, John T., Co. Inc., New York, N. Y. Soap. 197,281; Apr. 14; Serial No. 204,484; published Jan. 20, 1925.

Stephano Bros., assignors to Stephano Brothers, Philadelphia, Pa. Cigarettes. 45,203; renewed Aug. 8, 1925.

Stephano Bros., assignors to Stephano Brothers, Philadelphia, Pa. Cigarettes. 46,146; renewed Sept. 5, 1925.

Stern, Harry A., Yonkers, N. Y. Pocket envelopes. 197,435; Apr. 14; Serial No. 205,241; published Feb. 3, 1925.

Stovers, Mrs., Bungalow Candies, Denver, Colo. Candies. 197,342; Apr. 14; Serial No. 201,596; published Feb. 3, 1925.

"Subox" Aktiengesellschaft Electro-chemische Fabrik, Metall- & Hüttenprodukte, Zurich, Switzerland. Anti-rust composition, paints, etc. 197,360; Apr. 14; Serial No. 200,346; published Feb. 3, 1925.

Surber-Arundale Company, Incorporated, Charlottesville, Va. Show cards, placards, handbills, etc. 197,330; Apr. 14; Serial No. 203,847; published Feb. 3, 1925.

Sweet Candy Company, Salt Lake City, Utah. Candy. 197,438; Apr. 14; Serial No. 205,141; published Jan. 27, 1925.

Swint, Claud D., and Willis, J. Davis, Atlanta, Ga. Cigars. 197,203; Apr. 14; Serial No. 205,142; published Jan. 27, 1925.

Talcot Milling Company Inc., Skaneateles, N. Y. Self-rising pancake flour. 197,198; Apr. 14; Serial No. 206,200; published Jan. 27, 1925.

Targ & Dinner Music Co., Chicago, Ill. Phonograph needles. 197,263; Apr. 14; Serial No. 202,153; published Jan. 13, 1925.

Tenacity Manufacturing Company, The, Reading, Ohio. Loose-leaf books, binders, filing apparatus, and parts thereof. 197,244; Apr. 14; Serial No. 204,284; published Jan. 13, 1925.

Tenafly Weavers, Inc., The, Tenafly, N. J. Utility, underarm, and hand bags and handkerchief cases; 197,359; Apr. 14; Serial No. 200,127; published Jan. 27, 1925.

Tenpenny Co. Inc., Norfolk, Va. Nonalcoholic, malticse orange-flavored drink. 197,385; Apr. 14; Serial No. 206,188; published Feb. 3, 1925.

Terry, Arthur N., Stoneham, Mass. Face lotion. 196,379; Apr. 14; Serial No. 203,346; published Jan. 27, 1925.

Texas Citrus Fruit Growers Exchange, The, doing business as Mercedes Co-Operative Citrus Fruit Growers, Mission and Mercedes, Tex. Grapefruit, oranges, and lemons. 197,434; Apr. 14; Serial No. 205,302; published Jan. 27, 1925.

Texas Farm & Ranch Publishing Company, Dallas, Tex. Monthly magazines. 197,246; Apr. 14; 204,302; published Jan. 13, 1925.

Thackery, Thomas W., Winnetka, Ill. Exercising device. 197,409; Apr. 14; Serial No. 203,984; published Feb. 3, 1925

Thompson-Barlow Company, Inc., The, New York, N. Y. Rubber belts for men. 197,226; Apr. 14; Serial No. 204,683; published Jan. 13, 1925.

Tonkin Distributing Co., San Francisco, Calif. Malticse beverages and extracts and sirups and ginger ale. 197,458; Apr. 14.

Tower Manufacturing Corporation, Boston, Mass. Head sets, loud speakers, transformers, etc. 197,450; Apr. 14.

Tradepress Publishing Corporation, Chicago, Ill. Magazine section. 197,177; Apr. 14; Serial No. 204,837; published Jan. 20, 1925.

Tridot Electric Co., Inc., New York, N. Y. Radio apparatus. 197,260; Apr. 14; Serial No. 202,530; published Jan. 13, 1925.

Trigger, Raymond, doing business as The Raymond Trigger Co., New York, N. Y. Golf balls. 197,386; Apr. 14; Serial No. 206,141; published Feb. 3, 1925.

Tru-Biu Biscuit Company, Spokane, Wash. Biscuits and crackers. 197,416; Apr. 14; Serial No. 205,841; published Jan. 20, 1925.

Tubular Woven Fabric Company, Pawtucket, R. I. Rubber-covered wire and flexible cords, both for electrical purposes. 197,279; Apr. 14; Serial No. 166,154; published May 29, 1923.

Turner & Porter, Inc., Buffalo, N. Y. Letterheads and billheads. 197,160; Apr. 14; Serial No. 200,232; published Jan. 13, 1925.
Turner & Porter, Inc., Buffalo, N. Y. Printed cards. 197,164; Apr. 14; Serial No. 190,561; published Jan. 13, 1925.
Twin City Exterminating Co., Inc., St. Paul, Minn. Insecticide and rodent exterminator. 197,397; Apr. 14; Serial No. 206,647; published Feb. 3, 1925.
U. S. Hame Company, Buffalo, N. Y. Hames. 197,418; Apr. 14; Serial No. 206,044; published Jan. 20, 1925.
Untermeyer, Robbins & Co., New York, N. Y. Finger rings. 197,459; Apr. 14.
Vacuum Cleaner Specialty Co., Inc., New York, N. Y. Electric vacuum cleaners. 197,457; Apr. 14.
Van Wagenen and Schickhaus Company, Newark, N. J. Sausage. 197,577; Apr. 14; Serial No. 202,830; published Jan. 27, 1925.
Vernon, S. E & M., Inc., New York, N. Y. Exercise, composition, memorandum, and note books. 197,239; Apr. 14; Serial No. 203,767; published Jan. 20, 1925.
Vernon, S. E & M., Inc., New York, N. Y. Blank books. 197,831; Apr. 14; Serial No. 203,766; published Feb. 3, 1925.
Vernon, S. E & M., Inc., New York, N. Y. Paper for making blank books. 197,332; Apr. 14; Serial No. 203,765; published Feb. 3, 1925.
Von Faber-Castell, Alexander Count, sole surviving member of the firm of A. W. Faber, Stein, near Neuremberg, Germany. Lead and other pencils, pencil holders, etc. 197,169; Apr. 14; Serial No. 182,469; published Jan. 13, 1925.
Wade, Ben, Leeds, England. Cigars, cigarettes and smoking tobacco. 197,347; Apr. 14; Serial No. 197,570; published Jan. 27, 1925.
Wade, Jennie, Chocolate Shop, Johnstown, Pa. Candy. 197,282; Apr. 14; Serial No. 203,857; published Jan. 6, 1925.
Waggoner-Gates Milling Company, Independence, Mo. Wheat flour. 45,341; renewed Aug. 15, 1925.
Wahl, Martin C., El Centro, Calif. Fresh cantaloupes and lettuce. 197,362; Apr. 14; Serial No. 201,520; published Jan. 27, 1925.
Warner Bros. Co., The, Bridgeport, Conn. Corsets. 45,584; renewed Aug. 22, 1925.
Waters-Genter Co., Minneapolis, Minn. Electric toasters. 197,304; Apr. 14; Serial No. 205,968; published Jan. 20, 1925.
Watson, Joseph, & Sons; Joseph Watson & Sons, Limited, Leeds, England, successor. Laundry and toilet soaps. 26,605; renewed May 28, 1925.
Weidlich Bros. M'f'g. Co., The, Bridgeport, Conn. Silverware—namely, hollow ware and novelties. 197,460; Apr. 14.
Weinstein, Louis, doing business as Louceda Distributing Co., Brooklyn, N. Y. Liquid lubricator and carbon remover. 197,175; Apr. 14; Serial No. 204,135; published Jan. 20, 1925.
Welch, Holme & Clark Company, Newark, N. J., and New York, N. Y. Palm oil. 197,167; Apr. 14; Serial No. 200,917; published Jan. 13, 1925.
Western Bottle & Supply Co., Kansas City, Mo. Malt sirup. 197,356 Apr. 14; Serial No. 203,498; published Jan. 27, 1925.
Western Sugar Mills, Inc., The, Detroit, Mich. Sugar and sugar blended with starch. 197,236; Apr. 14; Serial No. 202,839; published Jan. 27, 1925.
Weymann, H. A., & Son, Inc., Philadelphia, Pa. Tuning peg for banjos and similar musical instruments. 197,372; Apr. 14; Serial No. 200,697; published Jan. 27, 1925.
Whitcher, Frank W., Boston, Mass., assignor to Frank W. Whitcher Company, Portland, Me., and Boston, Mass. Rubber heels and soles. 46,169; renewed Sept. 5, 1925.
White Wonder Company, The, Montgomery, Ala. Salve. 197,145; Apr. 14; Serial No. 197,232; published July 8, 1924.
Whiting, Geo. A., Paper Company, Menasha, Wis. Bond paper. 197,444; Apr. 14.
Willard Colbert & Giles, New York, N. Y. Metallic ribbons in the piece. 197,451; Apr. 14.
Willey, Charles A., assignor to C. A. Willey Company, New York, N. Y. Thinners and colors. 45,664; renewed Aug. 29, 1925.
Williams Manufacturing Co., Watertown, Tenn. Locustwood insulator pins. 197,322; Apr. 14; Serial No. 204,533; published Jan. 20, 1925.
Wilson Shoe Company, La Salle, Ill. Shoes. 197,429; Apr. 14; Serial No. 205,621; published Jan. 27, 1925.
Wimpfheimer, Lloyd A., New York, N. Y. Golf clubs, balls, bags, etc. 197,326; Apr. 14; Serial No. 204,339; published Jan. 27, 1925.
Wischmann, Wm. J., Inc., Brooklyn, N. Y. Chewing gum. 197,201; Apr. 14; Serial No. 205,383; published Jan. 27, 1925.
Witch Rose Laboratories. (See Dugiay, Howard A.)
Witsell Bros. Mfg. Co. (See Puryear-Miller Mfg. Co.)
Wood, J. R., & Sons, New York, N. Y. Indestructible pearls. 197,275; Apr. 14; Serial No. 188,355; published Jan. 20, 1925.
Woodville Lime Products Co., The, Toledo, Ohio. Hydrated lime. 197,174; Apr. 14; Serial No. 203,922; published Jan. 6, 1925.
Wuest, Adam, Cincinnati, Ohio. Mattresses. 197,274; Apr. 14; Serial No. 194,039; published Jan. 20, 1925.
Zander & Co. (See Ciegfield, Wilhelm.)
Zapon Company, The. (See Celluloid Zapon Company.)
Zinn, Beck Bat Company, Greenville, S. C. Baseball bts. 197,445; Apr. 14.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American White Cross Laboratories, Mount Vernon, N. Y. Komfit. For Cellulose Sanitary Napkins. 28,540; Apr. 14.
Bell, William P., Buffalo, N. Y. Bell's Pure Food Flavors. For Flavoring Extracts. 28,541; Apr. 14.
Butterflake Corporation, The, Philadelphia, Pa. Butterflake. For Butter Fat. 28,542; Apr. 14.
Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Carter Automatic Weighing Feeder. For Automatic Weighing Feeders. 28,543; Apr. 14.
Colletti, J. C., Company, Milwaukee, Wis. Mama's Secret. For Candy. 28,544; Apr. 14.
Cooper-Rowles, Pasadena, Calif. Donna May Mixed Fruit Chips. For Small Chips or Pieces of Grapefruit Cooked in Cane-Sugar Sirup Until Candied for Culinary Use in Candies, Cakes, Ice Cream, and Salads. 28,545; Apr. 14.
Cooper-Rowles, Pasadena, Calif. Donna May G L O. For Sirup for Ice-Cream Sundaes and Sodas, Cocktails, and Flavoring Purposes. 28,546; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Black Cherries. 28,547; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Royal Anne Cherries. 28,548; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned String Beans. 28,549; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Tunny Fish. 28,550; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Muscat Grapes. 28,551; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Hominy. 28,552; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Strawberries. 28,553; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Asparagus. 28,554; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Peaches. 28,555; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Corn. 28,556; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Green Chili. 28,557; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Fruits for Salad. 28,558; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Pears. 28,559; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Red Pimientos. 28,560; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Apricots. 28,561; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Loganberries. 28,562; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Blackberries. 28,563; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Sliced Beets. 28,564; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Plums. 28,565; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Pumpkin. 28,566; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Peas. 28,567. Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Gooseberries. 28,568; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Sliced Pineapple. 28,569; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Crushed Pineapple. 28,570; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Sliced Yellow Cling Peaches. 28,571; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Sauerkraut. 28,572; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Tomatoes. 28,573; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Grapefruit. 28,574; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Spinach. 28,575; Apr. 14.
Craig, R. L., & Co., Los Angeles, Calif. R L C. For Tomato Catchup. 28,576; Apr. 14.

Craig, R. L., & Co., Los Angeles, Calif. R L C. For Canned Raspberries. 28,577; Apr. 14.
Dank, M. Carlton, & Co., Brooklyn, N. Y. Mult-I-Game "The Game of Many Games." For a game. 28,578; Apr. 14.
Erdman Mfg. Co., New York, N. Y. Slipanete Two In One Garment. For Undergarments. 28,579; Apr. 14.
Everhart & Hackett, Chicago, Ill. The Simplex Cross Word Spell Tray. For Cross-Word Spell Trays. 28,580; Apr. 14.
Frisch, Emile, Chicago, Ill. Bunches Of Raisins. For Bread Wrappers. 28,581; Apr. 14.
Green & Green Company, The, Dayton, Ohio. Edgemont Crackers. For Crackers. 28,582; Apr. 14.
Guy, Bessie L., Chicago, Ill. Jelly Roll. For Candy Bar. 28,583; Apr. 14.
Heller, B., & Company, Chicago, Ill. Zanzibar-Brand Coa-Sauce. For Cocoa Sauce in Dry Powder Form. 28,584; Apr. 14.
Heller, B., & Company, Chicago, Ill. U-Combine. For Flavoring Compound. 28,585; Apr. 14.
Hildebrandt Provision Company, The, Cleveland, Ohio. Hildebrandt Sylvana Sausage. For Sausage. 28,586; Apr. 14.
Ideal Cocoa & Chocolate Co., Lititz, P., and New York, N. Y. Dr. Brooks' Cacao Liquor After the exclusive formula of M. J. Brooks, M. D. For Wrapper on Boxes for Solid Cakes of Cacao Liquor. 28,587; Apr. 14.
Kalamazoo Sanitary Mfg. Co., Kalamazoo, Mich. This is Two Fired Vitreous China Ware. For Vitreous-China Products. 28,588; Apr. 14.
Keystone Grocery & Tea Company. (See Menasha Printing and Carton Company, assignor.)
Klean Brush Company, The, Cleveland, Ohio. Klean-Brush (Trade Mark) The Cleaner That Cleans Old and Useless Paint and Varnish Brushes and Gives Them a New Lease of Life. For Compound to Clean Paint and Varnish Brushes. 28,589; Apr. 14.
Marathon Battery Company, Wausau, Wis. Marathon. For Dry Batteries. 28,590; Apr. 14.
Mayer, Oscar & Co. Inc., Chicago, Ill. Oscar Mayer's Luscious Ham. For Hams. 28,591; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Rieck-McJunkin Dairy Company, Pittsburgh, Pa. Rieck's Private Brand. For Eggs. 28,592; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to The Sumner Creamery Company, Canton, Ohio. Sumner's. For Butter. 28,593; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Oswald & Hess Company, Inc., Pittsburgh, Pa. Delicious. For Butter. 28,594; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Rieck-McJunkin Dairy Company, Pittsburgh, Pa. Rieck's Private Brand. For Ice Cream. 28,595; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Keystone Grocery & Tea Company, Pittsburgh, Pa. Jersey Maid. For Butter. 28,596; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Zinsmaster Bread Company, St. Paul, Minn. Longfellow Bread. For Bread. 28,597; Apr. 14.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Parkview Baking Company, Manitowoc, Wis. Parkview. For Bread. 28,598; Apr. 14.
Milwaukee Paper Box Co., The, Milwaukee, Wis. "Home Mades" Favorite Selections. For Candy. 28,599; Apr. 14.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Hard and Chewy Centers. For Candy. 28,600; Apr. 14.
Oswald & Hess Company. (See Menasha Printing and Carton Company, assignor.)
Paragon Chemical Co., Los Angeles, Calif. Destruxol. For Insecticides. 28,601; Apr. 14.
Parkview Baking Company. (See Menasha Printing and Carton Company, assignor.)
Rambo, Joe. D., Norristown, Pa. Golfect. For Hosiery. 28,602; Apr. 14.
Red Dragon Laboratories. (See Wynne, Clarence P.)
Rieck-McJunkin Dairy Company. (See Menasha Printing and Carton Company, assignor.)
Rossi, Ernesto, New York, N. Y. Geniale Record. For Disk Records. 28,603; Apr. 14.
Schoneberger & Noble, Inc., New York, N. Y. Dr. Brown's. For Ginger Ale. 28,604; Apr. 14.
Schroeder, Henry, San Francisco, Calif. Schroeder Perfection Truss. For Trusses. 28,605; Apr. 14.
Seneca Paper Co., Inc., Geneva, N. Y. Purple Cross. For Toilet Paper. 28,606; Apr. 14.
Seneca Paper Co., Inc., Geneva, N. Y. Master. For Toilet Paper. 28,607; Apr. 14.
Seneca Paper Co., Inc., Geneva, N. Y. Rose Bud. For Toilet Paper. 28,608; Apr. 14.
Seneca Paper Co., Inc., Geneva, N. Y. Semi-Jute. For Toilet Paper. 28,609; April 14.
Seneca Paper Co., Inc., Geneva, N. Y. Seneca Chief. For Toilet Paper. 28,610; Apr. 14.
Smith Agricultural Chemical Company, The, Columbus, Ohio, Smiths Sacco. For Plant Food. 28,611; Apr. 14.
Smith Agricultural Chemical Company, The, Columbus, Ohio. Smiths Sacco Plant Food. For Plant Food. 28,612; Apr. 14.
Smith Agricultural Chemical Company, The, Columbus, Ohio. Smiths Sacco Toilet Cleanser. For Toilet Cleanser. 28,613; Apr. 14.
Sprayon Products Corporation, New York, N. Y. Sprayon Auto Enamel. For Auto Enamel and Spray Machine. 28,614; Apr. 14.
Strombeck-Becker Mfg. Co., Moline, Ill. No. 2 Diam-oblox. For No. 2 Diamoblox—namely, an Instructive Game. 28,615; Apr. 14.
Sumner Creamery Company, The. (See Menasha Printing and Carton Company, assignor.)
Vogue Hat Company, New York, N. Y. Vogue Hats. For Hats. 28,616; Apr. 14.
Wait, Geo. Z., Co., Sacramento, Calif. Dr. G. S. Wait's Nox-All Fly-Ant-Insect Spray. For Nox-All Fly-Ant-Insect Spray. 28,617; Apr. 14.
Ward's Snapy Snack Co., Detroit, Mich. Ward's Snapy Snack. For Crispated Milk-Chocolate Confections. 28,618; Apr. 14.
Watkins, Arthur E., doing business as A. E. Watkins Company, Des Moines, Iowa. Glo-Tone. For Gloss Hair Tonic. 28,619; Apr. 14.
Wynne, Clarence P., doing business as Red Dragon Laboratories, Scranton, Pa. Red Dragon Pain Paint. For Penetrating Application for Relief of Aches, Sprains, Lame Backs and Arms, Aching Joints and Muscles, Muscular Rheumatism, Neuralgia, or General Aches and Pains. 28,620; Apr. 14.
Zinsmaster Bread Company. (See Menasha Printing and Carton Company, assignor.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Easterbrook Coal Company, The, Cleveland, Ohio. Snowbird Pocahontas. For Coal. 7,905; Apr. 14.
Edison Lamp Works of General Electric Co., Harrison, N. J. What a difference Electric Light makes. For Mazda Lamps. 7,906; Apr. 14.
Keil, Francis, & Son, Inc., New York, N. Y. Keil Saw and Jimmy Proof Lock. For Locks. 7,907; Apr. 14.
Littmann's, Inc., New York, N. Y. Serve Yourself and Save. For Ladies' Frocks, Suits, and Coats. 7,908; Apr. 14.
Schwartz, Solomon, New York, N. Y. Don't Forget the Free Coupon In This Paper Tomorrow. For Perfume. 7,909; Apr. 14.
Schwartz, Solomon, New York, N. Y. Here Is The Perfume Coupon. For Perfume. 7,910; Apr. 14.
Schwartz, Solomon, New York, N. Y. Perfume for All. For Perfume. 7,911; Apr. 14.
Smith, W. F., New York, N. Y. Major-League Bows. For Sport Bow Neckties. 7,912; Apr. 14.
Sowers Manufacturing Company, Buffalo, N. Y. Diagram Showing Contours of Dopp Cast Iron Seamless Steam Jacketed Kettles. For Kettles. 7,913; Apr. 14.
Sussfeld, Lorsch & Schimmel, New York, N. Y. Triumph Thermometers For Every Household Purpose. For Thermometers. 7,914; Apr. 14.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Acme Products Company, New Orleans and De Quincy, La. Pine oil for use in disinfectants, etc. 207,540; Apr. 14.
Adams & Elting Co., Chicago, Ill. Wood lacquer, thinner, clear lacquer, white oil, primer, etc. 208,546; Apr. 14.
American Cellulose & Chemical Manufacturing Company, Ltd., The, New York, N. Y. Knitted, netted, and textile fabrics in the piece. 208,175; Apr. 14.
American Circular Loom Company, Pittsburgh, Pa., and New York, N. Y. Metal conduits for electrical conductors. 206,344; Apr. 14.
American Heel Co., Nashua, N. H. Heels. 209,374; Apr. 14.
American Nokol Company, Chicago, Ill. Liquid-fuel burners or heaters. 190,718; Apr. 14.
Am-Plus Storage Battery Company, Chicago, Ill. Storage batteries and plates. 181,876; Apr. 14.
Arcadia French Pastry and Candy Mfg. Co., New York, N. Y. Nut wafers. 206,147; Apr. 14.
Artsilk Knitting Mills Inc., West New York, N. J. Knitted artificial-silk fabrics. 205,811; Apr. 14.
Associated Merchandising Corporation, New York, N. Y. Women's shoes. 210,215; Apr. 14.
Atlas Milling Co. (See Hoyt, Hugh P.)
Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Fertilizers. 207,486–7; Apr. 14.
Bartram, Edward E., Los Angeles, Calif. Spinning tops. 209,272; Apr. 14.
Bauer, John E., doing business as Union Wholesale Paint Co., Los Angeles, Calif. Lacquer paint. 210,265; Apr. 14.
Bayer Company, Inc., The, New York, N. Y. Insecticides, fungicides, rodenticides, economic poisons, and disinfectants. 208,275; Apr. 14.
Becker, Walter G., Philadelphia, Pa. Men's furnishings. 208,036; Apr. 14.
Becker, Walter G., Philadelphia, Pa. Men's furnishings—viz, bathing suits, bath robes, belts for personal wear, etc. 208,180; Apr. 14.
Beede, Frank A., Orange, Vt. Medicinal preparation for treatment of sores, wounds, etc. 197,245; Apr. 14.
Beede, Frank A., Orange, Vt. Preparation for treatment of sore throat, tonsillitis, etc. 197,248; Apr. 14.
Beich, Paul F., Company, Chicago and Bloomington, Ill. Candy. 210,084; Apr. 14.
Belikan, Matthew C., Chicago, Ill. Furniture and automobile polish. 208,375; Apr. 14.
Benjamin, William J., doing business as Benjamin Drug Co., Midland Park, N. J. Tablets, cough sirup, pile ointment, etc. 208,124; Apr. 14.
Bisbing & Altshuler, Inc., New York, N. Y. Umbrellas, parasols, and canes. 210,218; Apr. 14.
Bornstein, Emil, Inc., New York, N. Y. Portable phonographs. 196,288; Apr. 14.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard and pocket-billiard balls. 209,276; Apr. 14.
Budden, Lucy, doing business as Mrs. G. H. Windsor, Hamilton, Mont. Cough medicine. 210,042; Apr. 14.
Bull, Fred D., Ithaca, N. Y. Leather shoes. 208,092; Apr. 14.
C-T Radio Corporation, New York, N. Y. Vacuum radio tubes. 209,626; Apr. 14.
Campbell Gas Engine Company, Limited, The, Kingston, Halifax, England. Oil and gas engines. 205,049; Apr. 14.
Campe Corporation, The, New York, N. Y. Knitted sweaters, hosiery, and knitted underwear. 209,974; Apr. 14.
Cella, Louis, Inc., New York, N. Y. Candies. 192,673; Apr. 14.
Cerebos, Limited, Greatham and London, England. Salt. 208,254; Apr. 14.
Cerebos, Limited, Durham and London, England. Preparation for thickening, coloring, and seasoning gravy, soups, and stews. 208,842; Apr. 14.
Chase Candy Company, St. Joseph, Mo. Candy. 204,894; Apr. 14.
Chicago Granitine Manufacturing Company, Chicago, Ill. Stationary laundry tubs. 210,350; Apr. 14.
Citroën, André, Paris, France. Automobiles, motor trucks, and parts thereof. 182,900; Apr. 14.
Cleveland Trencher Company, The, Cleveland, Ohio. Trench-digging machines. 208,794; Apr. 14.
Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 209,897; Apr. 14.
Cocroft, Susanna, Laboratories, Inc., New York, N. Y. Face masks and skin-treating appliances. 208,898; Apr. 14.
Coleman, John L., New York, N. Y. Finger rings. 209,024; Apr. 14.
Compagnie Industrielle et Commerciale du Cycle et de l'Automobile, Paris, France. Bicycle saddles, brakes, etc. 205,202; Apr. 14.

Cope Bros. & Co., Limited, Liverpool and London, England. Smoking tobacco and cigarettes. 210,162–3; Apr. 14.
Cornelius, Evelyn, doing business as Evelyn's Hair Vitae and Mrs. S. M. Cornelius, New Castle, Pa. Hair grower and restorer. 204,221; Apr. 14.
Corneli Wood Products Company, Cornell, Wis., and Chicago, Ill. Radiopanels, switchboard panels, and insulated composition boards. 208,182; Apr. 14.
Couch, Buel, doing business as Kan Eater Co., Sioux City, Iowa. Can openers. 208,456; Apr. 14.
Crandon-Hunter Company, The, Miami, Fla. Proprietary medicines. 206,514; Apr. 14.
Crawford Johnson & Co., Birmingham, Ala. Nonalcoholic, maltless, carbonated beverages, and sirup for compounding same. 209,279–80; Apr. 14.
De Bevoise, Chas. E., Co., Newark, N. J. Brassières. 210,040; Apr. 14.
Delacour & Lewis Corporation, New York, N. Y. Tobacco pipes. 209,282; Apr. 14.
Delta File Works, Philadelphia, Pa. Files. 206,280; Apr. 14.
Diaz, Julian, doing business as J. Diaz Medicine Company, Tampa, Fla. Tonic medicine for kidney and bladder trouble, rheumatism, etc. 209,834; Apr. 14.
Dinkelspiel, L., Co., Inc., San Francisco, Calif. Satin piece goods. 208,744; Apr. 14.
Durkon Company, Inc., The, Dayton, Ohio. Cast-metal picking crates, jet members, etc., of corrosion-resisting composition. 207,283; Apr. 14.
Dziubinski, Athanasius, Holdingford, Minn. Wound-healing salve. 209,467; Apr. 14.
Earl & Wilson, Troy, N. Y. Dress, negligee, sport, and undershirts, collars, and cuffs. 208,887; Apr. 14.
Eastern Steel Castings, Newark, N. J. Steel, iron, and other castings, drop forgings, and cast and forged boiler fittings. 208,773; Apr. 14.
Edal Products Co., Chicago, Ill. Skin lotion. 209,836; Apr. 14.
Edinburg Canning Co. (See Naomi Canning Co.)
Edison Citrus Association, Edison, Calif. Fresh oranges. 205,819; Apr. 14.
Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 209,979; Apr. 14.
Eiseman, Samuel, & Co., Inc., New York, N. Y. Prints in the piece. 207,658; Apr. 14.
Electrical Products Manufacturing Company, Providence, R. I. Loud-speaking telephones, transformers, etc. 207,922; Apr. 14.
Estate Stove Co., The, Hamilton, Ohio. Coal and wood stoves. 201,130; Apr. 14.
Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Drawing and lettering pens. 210,541; Apr. 14.
Evelyn's Hair Vitae. (See Cornelius, Evelyn.)
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 209,900–2; Apr. 14.
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 209,904; Apr. 14.
Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 209,906–8; Apr. 14.
Fairchild Company, Chicago, Ill. Nom de plume used on magazine articles. 207,126; Apr. 14.
Fanning, Omar A., Streator, Ill. Pickles. 209,727; Apr. 14.
Farquhar, A. B., Company, Limited, York, Pa. Plows, plowstocks, hay presses, grain separators, etc. 208,803; Apr. 14.
Farwell, John V., Company, Chicago, Ill. Cotton and silk piece goods. 196,014; Apr. 14.
Fashion Hat Frame Co., The, New York, N. Y. Hat frames. 207,978; Apr. 14.
Firestone Tire & Rubber Company, The, Akron, Ohio. Tires, inner tubes, tire accessories, etc. 172,987; Apr. 14.
Firestone Tire & Rubber Company, The, Akron, Ohio. Tires. 175,011; Apr. 14.
Fitger Company, The, Duluth, Minn. Beverages. 209,030; Apr. 14.
Fitzpatrick & Draper, Kingston, N. Y. Cigars and cigarettes. 209,632; Apr. 14.
Fleishhacker Paper Box Co., San Francisco, Calif. Paper boxes and cartons. 207,981; Apr. 14.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 195,370; Apr. 14.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 204,602; Apr. 14.
Fouke Fur Company, St. Louis, Mo. Sealskins. 208,647; Apr. 14.
Fox, J. G., doing business as J. G. Fox & Company, Seattle, Wash. Beverages. 209,568; Apr. 14.
Fremont Packing Company, Fremont, Nebr. Dressed poultry. 210,117; Apr. 14.
Funnies, Chicago, Ill. Card games. 209,392; Apr. 14.

G. & G. Atlas Systems, Inc., New York, N. Y. Pneumatic-tube systems and parts thereof. 203,512; Apr. 14.
G. S. H. Specialty Company, The, Grand Rapids, Mich. Rakes. 201,235; Apr. 14.
General Motors Corporation, Detroit, Mich. Automobiles. 199,223–4; Apr. 14.
Germanium Products Company, The, Trenton, N. J. Inhalers for the relief of colds. 209,648; Apr. 14.
Gilbert & Co. Inc., New York, N. Y. Watches. 209,033; Apr. 14.
Gilbert, Edgar, doing business as Gilbert Laboratories, White Plains, N. Y. Preparation of guaiacol for phthisis, pneumonia, etc. 209,841; Apr. 14.
Girard & Co., Inc., Bridgeport, Conn., and Mount Vernon, N. Y. Drain and waste pipe cleaner and deodorizer. 210,381; Apr. 14.
Glover, H. Clay, Co., Inc., New York, N. Y. Mange medicine. 210,231; Apr. 14.
Goldberg, George, Inc., New York, N. Y. Jewelry, and more particularly ring mountings. 208,758; Apr. 14.
Goldsmith Stern & Co., New York, N. Y. Watches, watchcases, watch movements, and parts of the same. 209,911; Apr. 14.
Goldstein Manufacturing Company Limited, The, Buffalo, N. Y. Cuff buttons. 198,803; Apr. 14.
Gordon Shirt Company, Chicago, Ill. Work shirts. 190,501; Apr. 14.
Gorey, Joseph C., doing business as Gorey Automotive Parts Company, New York, N. Y. Automotive parts. 204,095; Apr. 14.
Graf, R. & Co. Aktiengesellschaft, Nuremberg, Germany. Medicinal preparations and antitoxins for tuberculosis. 205,751; Apr. 14.
Gray, Dorothy, New York, N. Y. Face and astringent powders, cleansing cream, depilatories, etc. 206,781; Apr. 14.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Grape juice. 203,267; Apr. 14.
Greene, Robt. H., doing business as R. H. G. Chemical Company, Fairburn, Ga. Dog medicine. 210,233; Apr. 14.
Guggenheim, Herbert, doing business as The Guggenheim Co., Washington, D. C. Ginger ale. 210,167; Apr. 14.
Halfhill Packing Corp., Long Beach, Calif. Canned fish, canned vegetables, and relishes. 208,783; Apr. 14.
Hammond Bag & Paper Co., Wellsburg, W. Va. Paper bags. 192,019; Apr. 14.
Harris, J. E., Company, The, Wooster, Ohio. Asbestos compounds for waterproofing roofs and the like. 207,302–3; Apr. 14.
Health Sanitorium Laboratory Limited, Montreal, Canada. Tonic, liniment, face cream, and hair tonic. 189,052; Apr. 14.
Herbert & Herbert, Perth Amboy, N. J. Colloidal-sulphur and lime-sulphur solution. 191,705; Apr. 14.
Herpicide Company, The, Detroit, Mich. Hair tonic. 210,390; Apr. 14.
Hess Bros., New York, N. Y. Food products—viz, sardellen, pâté de foie gras, etc. 204,317; Apr. 14.
Hess, Goldsmith & Co., Inc., New York, N. Y. Silk piece goods. 209,215; Apr. 14.
Himmel Brothers, New Haven, Conn. Construction materials—namely, copper corner bars, division bars, etc. 208,396; Apr. 14.
Hinds, A. S., Co., Portland, Me. Cream for the face, hands, skin, and complexion. 209,476; Apr. 14.
Hocking Valley Mfg. Co., Lancaster, Ohio. Farming implements. 208,984; Apr. 14.
Hoff Metal Products Company, New York, N. Y. Tire chains. 208,591; Apr. 14.
Hoffman, J. L., Co., Allentown, Pa. Stock and poultry tonic. 202,114; Apr. 14.
Holley Carburetor Company, Detroit, Mich. Gray-iron pistons. 209,343; Apr. 14.
Hollywood Products Company. (See Miscovich, John V.)
Home Distributors, Inc., Chicago, Ill. Ladies' dresses, aprons, frocks, and blouses. 210,057; Apr. 14.
Hovey, H. A., & Co., Boston, Mass. Butter and eggs. 206,577; Apr. 14.
Howard, George E., doing business as G. E. Howard & Company, Newburgh, N. Y. Canned vegetables, fruits, and fish. 210,058; Apr. 14.
Hoyt, Hugh P., doing business as Atlas Milling Co., Clinton, Mich. Wheat flour. 204,082; Apr. 14.
Hoyt's Products. (See Miscovich, John V.)
Huston, T. A., & Co., Portland, Me. Crackers. 209,845; Apr. 14.
Indianapolis Glove Company, Indianapolis, Ind. Gloves. 208,986; Apr. 14.
Inkxtendo Mfg. Co. (See Melton, Walter F.)
International Welding Engineering Corporation, Chicago, Ill. Welding wire. 189,160; Apr. 14.
Interstate Casket Company, Kansas City, Mo. Burial dresses and suits. 210,059; Apr. 14.
Irvin, Etta, Hamtramck, Mich. Tonic for hair and scalp. 208,886; Apr. 14.
Jaworski, Antoni, Detroit, Mich. Medicines for consumption. 210,391; Apr. 14.

Jefferson Candy Co. (See Schutter-Johnson Candy Co., assignor.)
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 207,371; Apr. 14.
Kadet Kruger Co., Chicago, Ill. Neckwear. 207,191; Apr. 14.
Kan Eater Co. (See Couch, Buel.)
Kavanagh, William H. J., Chicago, Ill. Potatoes. 207,387; Apr. 14.
Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary bloomers. 207,745; Apr. 14.
La Cara Food Company. (See Vilas, Fred L.)
Landa, Guillermo E., doing business as The Sharpenette Sales Co., New York, N. Y. Razor-blade-sharpening device. 209,853; Apr. 14.
Latex Products, Inc., New York, N. Y. Flooring. 208,409; Apr. 14.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Deodorant. 209,991; Apr. 14.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Medicinal preparation for the treatment of obesity. 209,992; Apr. 14.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Medicinal preparation for the treatment of constipation. 209,994; Apr. 14.
Leslie, John, Paper Company, The, Minneapolis, Minn. Building papers. 208,202; Apr. 14.
Levin, Julius J., Kansas City, Kans. Handkerchiefs. 187,631; Apr. 14.
Levine & Solomon, New York, N. Y. Clothes racks. 209,923; Apr. 14.
Lindt, A. & W., Berne, Switzerland. Dietetical products consisting of a mixture of malt, eggs, milk, etc. 209,228; Apr. 14.
Loeffler, Brewer & Co., Inc., New York, N. Y. Cotton and cotton and silk mixed piece goods. 207,791; Apr. 14.
Loewenstein, Hans, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany. Sockets. 200,206; Apr. 14.
Lowry, William J., doing business as Punctual Pharmacals, Windsor Hills, Baltimore, Md. Preparation for treatment of cramps, colic, etc. 209,416; Apr. 14.
Lydell Laboratories, Montclair, N. J. Treatment for the eyes. 210,243; Apr. 14.
Maas & Waldstein Co., Newark, N. J. Lacquers, lacquer enamels, and ready-mixed paints. 210,128; Apr. 14.
Made Well Knitting Mills, Inc., New York, N. Y. Cravats, mufflers, neckties, and reefers. 196,532; Apr. 14.
Maison Marie, Saginaw, Mich. Candy. 204,712; Apr. 14.
Malouf, Beshara I., Brooklyn, N. Y. Vacuum cleaners. 208,790; Apr. 14.
Maney Milling Co., Omaha, Nebr. Wheat flour. 209,418; Apr. 14.
Massoit Bottling Co., The, Minneapolis, Minn. Beverages. 209,419; Apr. 14.
McDougall-Butler Co., Inc., Buffalo, N. Y. Paints. 209,855; Apr. 14.
McLeod Leather & Belting Co., Greensboro, N. C. Leather belting used for power transmission. 209,806; Apr. 14.
Melton, Walter F., doing business as Inkxtendo Mfg. Co., Dallas, Tex. Ink regulators, reducers, driers, etc. 197,491; Apr. 14.
Mercen-Johnson Machine Co., Minneapolis, Minn. Vertical resaws, squeezers, matchers, etc. 198,579; Apr. 14.
Meyer, Beatrice, Ltd., New York, N. Y. Perfume. 209,423; Apr. 14.
Miller, Daniel, Company, Baltimore, Md. Cotton, silk, and woolen piece goods, cotton and linen sheets, etc. 209,231; Apr. 14.
Miller, Philip, doing business as The Miller Overall Mfg. Co., Shelbyville, Ind. Men's overalls, jackets, and overall union suits, etc. 208,817; Apr. 14.
Miscovich, John V., doing business as Hollywood Products Company and Hoyt's Products, Los Angeles, Calif. Ginger ale. 206,422; Apr. 14.
Monomac Spinning Company, Boston, Mass. Yarns of wool and silk. 209,809; Apr. 14.
Moore, William R., jr., doing business as Moore Engineering Company, Hagerstown, Md. Lathes, reamers, grinders, etc. 209,676; Apr. 14.
Morehead Golf Company, Milwaukee, Wis. Golf clubs. 209,677; Apr. 14.
Morse, A. G., Co., Inc., Chicago, Ill. Candy. 210,081; Apr. 14.
Motion, William G., Los Angeles, Calif. Fish food. 208,155. Apr. 14.
Munn, John R., doing business as J. R. Munn Co., New York, N. Y. Men's clothing. 209,053; Apr. 14.
Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation exercising a remedial effect in the treatment of indigestion and stomach trouble. 210,134. Apr. 14.
Naomi Canning Co., doing business as Edinburg Canning Co., Edinburg, Ind. Canned vegetables. 210,808; Apr. 14.
National Fur Farms Company, The, Hudson, Ohio. Pelts. 206,490; Apr. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Nelson-Dashiell Company, The, Baltimore, Md. Candy. 208,531; Apr. 14.
Neue Industrie Werke Hermann Berninghous. (See Loewenstein, Hans.)
New England Auto Products Company, New Haven, Conn. Universal joints and parts thereof, etc. 208,416; Apr. 14.
Newton, Chambers & Co., Limited, Sheffield, England. Starch and blue for laundry purposes, perfumery, disinfectant fluid, etc. 203,087; Apr. 14.
New York Yacht, Launch & Engine Co., Morris Heights, New York, N. Y. Gasoline marine motors and internal-combustion engines. 208,417; Apr. 14.
Neyman Knitting Mills, Brooklyn, N. Y. Knitted wool fabric. 209,491. Apr. 14.
Ohio Glass Products Company, The, Massillon, Ohio. Glass jars and bottles. 206,537. Apr. 14.
Onaola Cosmetic Co., Los Angeles, Calif. Hair dressing. 209,935; Apr. 14.
Orbis Products Trading Co., Inc., New York, N. Y. Gum arabic and tragacanth, perfumery essential oils, thymol, menthol, etc. 210,135; Apr. 14.
Owensboro Milling Co., Owensboro, Ky. Wheat flour. 209,427; Apr. 14.
Palmigiano, Antonio, Rochester, N. Y. Canned fish. 208,916. Apr. 14.
Parker, Ada L., doing business as Wa-Ne-Gah Medicine Company, Oshkosh, Wis. Hair tonic, healing salve, healing oil, etc. 207,470; Apr. 14.
Parks Brothers & Rogers, Inc., Providence, R. I. Separable cuff button. 206,082. Apr. 14.
Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 210,310; Apr. 14.
Peerless Belting Company, Gardenville, N. Y. Cotton belting. 186,973; Apr. 14.
Peerless Manufacturing Company, Louisville, Ky. Stoves, heaters, and ranges, andirons, etc. 204,976; Apr. 14.
Pioneer Instrument Company, Brooklyn, N. Y. Compasses, banking indicators, pilot tubes, etc. 208,928; Apr. 14.
Pioneer Paper Company, Los Angeles, Calif. Plastic cement; 207,884; Apr. 14.
Pittsburgh Engineering Company, Jeannette, Pa. Cast-iron pipe fittings. 209,938; Apr. 14.
Portage Wholesale Grocery Company, Portage, Wis. Peanut butter, olives, salad dressing, mayonnaise, pickles, etc. 209,318; Apr. 14.
Pratt Coal Co., Boston, Mass. Coal. 209,245; Apr. 14.
Prentil Corporation, The, Poland, N. Y. Tablets for pain, headache, etc. 209,320; Apr. 14.
Priebe & Sons, Inc., Chicago, Ill. Dressed poultry and eggs. 206,749; Apr. 14.
Pryde Pharmacal Company, Hannibal, Mo. Depilatory. 198,761; Apr. 14.
Punctual Pharmacals. (See Lowry, William J.)
Pyramid Button Co., Providence, R. I. Collar buttons which are made of or plated with precious metals. 209,940; Apr. 14.
Pyroligneine Company, The, Chattanooga, Tenn. Antiseptic healing ointment and a suppository. 210,183; Apr. 14.
R. H. G. Chemical Company. (See Greene, Robt. H.)
Radio Service Inc., Peekskill, N. Y. Radio receiving sets. 208,388; Apr. 14.
Rand Sanatorium Company, The, Atwood, Kans. Multigermicides, blood and nerve correctives. 210,082; Apr. 14.
Red Dragon Laboratories. (See Wynne, Clarence P.)
Reliance Manufacturing Company, Chicago, Ill. Men's and boys' work shirts and boys' blouses. 209,175; Apr. 14.
Rivet-Grip Steel Company, The, Cleveland, Ohio. Steel joists, bank-vault reenforcement, etc. 209,177; Apr. 14.
Roberts-Frank Company, Chicago, Ill. Ladies' vests, slips, petticoats, nightgowns, etc. 208,610; Apr. 14.
Rowe, Minton, Philadelphia, Pa. Mayonnaise. 209,549; Apr. 14.
Rutledge and Taylor Coal Company, Chicago, Ill. Coal. 207,890; Apr. 14.
S. & H. Dyeing Co. Inc., West New York, N. J. Thread and yarn. 208,723; Apr. 14.
Salina Poultry Company, The, Salina, Kans. Dressed poultry. 209,942; Apr. 14.
Sampeck Clothes, Inc., New York, N. Y. Suits and coats for men and boys. 210,253; Apr. 14.
Saylor, M. C., & Co., Brooklyn, N. Y. Radio reproducers—namely, loud speakers, etc. 207,407; Apr. 14.
Scher, George, doing business as Weber & Scher Mfg. Co., Newark, N. J. Production machines and tools—namely, coil-winding machines, etc. 208,872; Apr. 14.
Schnabl, Josef, doing business as Jos. Schnabl & Co., Vienna, Austria. Cigarette papers. 196,679; Apr. 14.
Schnellpressenfabrik Act.-Ges. Heidelberg, Heidelberg, Germany. Book-printing machines, platen presses, etc. 209,007; Apr. 14.
Schramm, William P., Brooklyn, N. Y. Beverages and cordials and sirups and extracts used in the preparation of same. 208,929; Apr. 14.
Schreiber Products Corporation, Buffalo, N. Y. Coffee. 191,510; Apr. 14.
Schutter-Johnson Candy Co., assignor to Jefferson Candy Co., Chicago, Ill. Candy. 192,227; Apr. 14.
Scientific Research Laboratories. (See Learned, W. E.)
Scott, William R., Sacramento, Calif. Preparation for dandruff, falling hair, and itching scalp. 206,599; Apr. 14.
Seatless Valve Company, New York, N. Y. Valves for draining liquids from receptacles. 208,008; Apr. 14.
Service Motor Truck Co., Wabash, Ind. Motor trucks. 137,388; Apr. 14.
Service Motor Truck Co., Wabash, Ind. Motor trucks. 138,523; Apr. 14.
Sexton, John, and Company, Chicago, Ill. Rice, prepared mustard, and tomato catchup. 187,773; Apr. 14.
Sharf, Charles, Lowell, Mass. Ice cream. 208,659; Apr. 14.
Sharpenette Sales Co., The. (See Landa, Guillermo B.)
Shepard Norwell Co., Boston, Mass. Dry goods. 208,111; Apr. 14.
Sherman and Company, New York, N. Y. Evaporated milk. 208,073; Apr. 14.
Sherwin-Williams Company, The, Cleveland, Ohio. Paints, enamels, japans, varnishes, etc. 209,946; Apr. 14.
Singer, Marcos, assignor to X-Akt Radio Corporation, New York, N. Y. Vernier dials for radio apparatus. 208,264; Apr. 14.
Smartset Bonbonniere, Inc., New York, N. Y. Candy. 210,418; Apr. 14.
Smartset Bonbonniere, Inc., New York, N. Y. Candy. 210,421; Apr. 14.
Societe Anonyme des Gants Buscariet, Paris, France. Leather gloves. 192,044; Apr. 14.
Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angouleme, Charente, France. Cigarette wrappers and papers. 195,421; Apr. 14.
Sodastream Limited, Camden Town, London, England. Soda fountains and parts thereof. 209,143; Apr. 14.
Standard Remedy Company, The, Baltimore, Md. Analgesic balm. 209,436; Apr. 14.
Stein, Abraham, Washington, D. C. Shoe soles. 209,059; Apr. 14.
Straus, Nathan, & Sons, Inc., New York, N. Y. Chinaware. 206,601; Apr. 14.
Strawbridge & Clothier, Philadelphia, Pa. Hosiery. 210,089; Apr. 14.
Stromgren, Charles D., Los Angeles, Calif. Piston rings. 203,345; Apr. 14.
Strong-Scott Mfg. Co., The, Minneapolis, Minn. Fuel grinders and pulverizers, furnace clean-out doors, furnace inspection doors, air-inlet openings in furnaces, etc. 203,653; Apr. 14.
Sullivan Smythfield Company, Philadelphia, Pa. Cotton, cotton and silk, etc., woven textile fabrics. 209,063; Apr. 14.
Superior Metal Products, Inc., Greeley, Colo. Automobile tire chains. 208,167; Apr. 14.
Tar Products Corporation, Providence and East Providence, R. I. Chemical compound to be used for impregnating and waterproofing textile coverings of electrical conductors. 210,323; Apr. 14.
Thompson Bros. Shoe Co., Brockton, Mass. Men's, women's, and boys' boots and shoes. 209,950; Apr. 14.
Thurmond, Charles A., Perry, Ga. Watermelon seeds. 177,528; Apr. 14.
Tiffany Manufacturing Company, Newark, N. J. Automobile parking lamps, signal lamps, etc. 207,803; Apr. 14.
Torian Brothers Company, Evansville, Ind. Sweaters, caps and hats, etc. 207,835; Apr. 14.
Tunnell, F. W., & Company, Inc., Philadelphia, Pa. Vegetable glue. 209,443; Apr. 14.
Union Starch & Refining Company, Columbus, Ind. Corn and sugar sirup. 203,916; Apr. 14.
Union Wholesale Paint Co. (See Bauer, John E.)
United States Graphite Co., The, Saginaw, Mich. Lubricating rings. 192,457; Apr. 14.
Unity Cotton Mills, La Grange, Ga. Cord, chafer, and linen fabrics, and like cotton piece goods. 208,537; Apr. 14.
Unity Cotton Mills, La Grange, Ga. Hose and belting duck. 208,538; Apr. 14.
Vanity Fair Silk Mills, Reading, Pa. Underwear consisting of vests, bloomers, knickerbockers, etc. 204,641; Apr. 14.
Verdure, Inc., New York, N. Y. Fertilizer. 192,202; Apr. 14.
Vermont Farm Machinery Company, Bellows Falls, Vt. Clothes-washing machines and wringer mechanisms. 209,112; Apr. 14.
Vermont Maple Syrup Co. Inc. of St. Johnsbury, St. Johnsbury, Vt. Maple-sap sirup. 209,510; Apr. 14.
Vilas, Fred L., doing business as La Cara Food Company, Pierre, S. Dak. Infants' food. 209,824; Apr. 14.
Vitrefrax Company, The, Vernon, Calif. Refractory materials used in the construction of furnace linings and walls. 209,511; Apr. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Voliva, Wilbur G., doing business as Zion Institution & Industries, Zion, Ill. Combined baby walker and car. 209,113; Apr. 14.
Voss & Stern, Inc., New York, N. Y. Cotton and silk piece goods. 206,203; April. 14.
Wagner, Theodore B., New York, N. Y. Nutrition salt used as a pharmaceutical product. 206,045; Apr. 14.
Walker, Elisabeth, Minneapolis, Minn. Toy building blocks and demountable toys. 209,883; Apr. 14.
Wanamaker, John, New York, New York, N. Y. Radio receiver sets, radio A storage batteries, etc. 207,422; Apr. 14.
Wa-Ne-Gah Medicine Company. (See Parker, Ada L.)
Weber & Scher Mfg. Co. (See Scher, George.)
Weill, Raphael, and Company, Inc., San Francisco, Calif. Women's hats. 203,063; Apr. 14.
Weingarten Bros., New York, N. Y. Brassières, girdles, corsets, etc. 209,114; Apr. 14.
Werner Export Company Inc., New York, N. Y. Shirts, underwear, hosiery, sweaters, etc. 180,589; Apr. 14.
West India Oil Company, Bayonne, N. J. Petroleum. 210,205; Apr. 14.
Western Cartridge Company, Wilmington, Del., and East Alton, Ill. Shot shells. 202,472; Apr. 14.
White Satin Sugar Company, Minneapolis, Minn. Wheat flour; 206,759; Apr. 14.
Whitney, F. A., Carriage Co., Leominster, Mass. Baby carriages. 208,731; Apr. 14.
Windsor, Mrs. G. H. (See Budden, Lucy.)
Wireless Resistor Company of America, The, Milwaukee, Wis. Resistors and resistance units for rheostats, electric driers, etc. 198,693; Apr. 14.
Worth, Inc., New York, N. Y. Frocks, dresses, hose and half hose, etc. 207,216; Apr. 14.
Wynne, Clarence P., doing business as Red Dragon Laboratories, Scranton, Pa. Penetrating application for aches, sprains, etc. 209,520; Apr. 14.
X-Akt Radio Corporation. (See Singer, Marcos, assignor.)
Yorke Shirt Company, The, Glens Falls and New York, N. Y. Negligee and dress shirts. 207,538; Apr. 14.
Zion Institutions & Industries. (See Voliva, Wilbur G.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Navigation Coal Company. 197,190; Apr. 14; Serial No. 205,127; published Jan. 6, 1925.
Lime, Hydrated. Woodville Lime Products Co. 197,174; Apr. 14; Serial No. 203,922; published Jan. 6, 1925.
Seeds. Robert Nicholson Seed Company. 197,173; Apr. 14; Serial No. 203,531; published Jan. 6, 1925.

CLASS 2.

Bags and handkerchief cases. Tenafly Weavers, Inc. 197,359; Apr. 14; Serial No. 200,127; published Jan. 27, 1925.
Bags, Folding paper and cloth. O. Meadows. 197,402; Apr. 14; Serial No. 187,014; published Feb. 3, 1925.
Boxes, Candy. Lengsfield Brothers. 197,135; Apr. 14; Serial No. 202,815; published Jan. 27, 1925.
Cans. American Can Company. 197,382; Apr. 14; Serial No. 171,247; published Jan. 27, 1925.
Containers, Dispensing. C. Hafner. 197,370; Apr. 14; Serial No. 199,884; published Jan. 27, 1925.
Containers or cartons. Mengel Company. 197,383; Apr. 14; Serial No. 206,079; published Feb. 3, 1925.

CLASS 3.

Hames. U. S. Hame Company. 197,418; Apr. 14; Serial No. 206,044; published Jan. 20, 1925.

CLASS 4.

Cleaning and polishing compound. B. Heller & Company. 197,261; Apr. 14; Serial No. 202,449; published Jan. 13, 1925.
Cleaning compound. H. D. Killinger. 197,306; Apr. 14; Serial No. 205,927; published Jan. 20, 1925.
Cleanser, Liquid. D. S. Car-Sheden. 197,285; Apr. 14; Serial No. 202,981; published Jan. 20, 1925.
Cleansing preparation with water-softening properties. General Pennsylvania Salt Manufacturing Company. 197,233; Apr. 14; Serial No. 204,247; published Jan. 13, 1925.
Leather and fabric dressing. W. R. Spaulding. 197,207; Apr. 14; Serial No. 204,877; published Jan. 27, 1925.
Oil, Palm. Welch, Holme & Clark Company. 197,157; Apr. 14; Serial No. 200,917; published Jan. 13, 1925.
Polish, Window and silver. Marvel Manufacturing Company. 197,318; Apr. 14; Serial No. 204,860; published Jan. 20, 1925.
Polishes, soap, and razor strops. Certain-teed Products Corporation. 197,425; Apr. 14; Serial No. 205,991; published Jan. 20, 1925.
Soap. Barclay & Co. 197,284; Apr. 14; Serial No. 203,506; published Jan. 20, 1925.
Soap. M. Daniels & Jett. 197,234; Apr. 14; Serial No. 203,875; published Jan. 13, 1925.
Soap. G. H. W. Fry. 197,231; Apr. 14; Serial No. 204,362; published Jan. 13, 1925.
Soap. Richard Hudnut. 197,314; Apr. 14; Serial No. 205,419; published Jan. 20, 1925.
Soap. John T. Stanley Co. 197,281; Apr. 14; Serial No. 204,484; published Jan. 20, 1925.
Soap, Shaving. James S. Kirk & Company. 197,230; Apr. 14; Serial No. 204,458; published Jan. 13, 1925.
Soaps. P. M. Boynton. 197,295; Apr. 14; Serial No. 180,043; published Jan. 20, 1925.
Soaps. Parfumerie Roger & Gallet. 197,288; Apr. 14; Serial No. 199,082; published Jan. 20, 1925.
Soaps. Joseph Watson & Sons. 26,606; renewed May 28, 1925.
Soaps, albumen soaps, and cleaning liquors. Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft. 197,286; Apr. 14; Serial No. 202,327; published Jan. 20, 1925.
Soaps and cleanser. B. A. Railton Co. 197,307; Apr. 14; Serial No. 205,784; published Jan. 20, 1925.
Soaps and cleanser. B. A. Railton Co. 197,306; Apr. 14; Serial No. 205,781; published Jan. 20, 1925.

CLASS 5.

Adhesive rubber. Commercial Paste Co. 197,405; Apr. 14; Serial No. 201,652; published Jan. 13, 1925.

CLASS 6.

Ammonia and bluing. J. N. Adams & Co. 197,392; Apr. 14; Serial No. 206,502; published Feb. 3, 1925.
Antiseptic for infection of the uninary system. J. A. Harris. 197,188; Apr. 14; Serial No. 205,062; published Jan. 20, 1925.
Antiseptics, germicides, and bactericides. Hynson, Westcott & Dunning. 197,189; Apr. 14; Serial No. 205,069; published Dec. 30, 1924.
Antiseptics, germicides, and bactericides. Hynson, Westcott & Dunning. 197,190; Apr. 14; Serial No. 205,836; published Dec. 30, 1924.
Chemical compositions for rendering substances soft or soluble. H. Langman. 197,406; Apr. 14; Serial No. 203,040; published Feb. 3, 1925.
Chemical used as a disinfectant, etc. A. Beck. 197,186; Apr. 14; Serial No. 205,048; published Jan. 20, 1925.
Cod-liver-oil tablets. F. T. McIntyre. 197,144; Apr. 14; Serial No. 197,552; published Jan. 20, 1925.
Cod-liver tablets. F. T. McIntyre. 197,146; Apr. 14; Serial No. 196,874; published Jan. 20, 1925.
Compound for catarrhal deafness, hay fever, etc. Burgess, Johnson, Webb Corporation. 197,366; Apr. 14; Serial No. 195,047; published Jan. 27, 1925.
Compounds to clean foreign substances from metal parts and glass, etc. Dearborn Chemical Company. 197,147; Apr. 14; Serial No. 195,872; published Jan. 20, 1925.
Cough remedy. W. H. Luden. 46,120; renewed Sept. 5, 1925.
Cream, Dental. E. C. Kaye. 197,363; Apr. 14; Serial No. 187,163; published Jan. 27, 1925.
Creams, toilet waters, and hair tonics. Grecian Chemical Company. 197,394; Apr. 14; Serial No. 206,522; published Feb. 3, 1925.
Disinfectant and medicine, Intestinal. M. Cohendy. 197,133; Apr. 14; Serial No. 203,257; published Jan. 20, 1925.
Dyes. Monroe Drug Co. 45,142; renewed Aug. 8, 1925.
Hair coloring. F. J. Matheson. 197,182; Apr. 14; Serial No. 204,561; published Jan. 20, 1925.
Hairdressing. C. S. Jacob. 197,395; Apr. 14; Serial No. 206,578; published Feb. 3, 1925.
Hair tonic. V. Pastore. 197,185; Apr. 14; Serial No. 204,928; published Jan. 20, 1925.
Hair tonic, cleansing cream, etc. Ogilvie Sisters. 197,180; Apr. 14; Serial No. 204,471; published Jan. 13, 1925.
Insecticide and rodent exterminator. Twin City Exterminating Co. 197,397; Apr. 14; Serial No. 206,647; published Feb. 3, 1925.
Laxative tablets. J. F. Hejda. 197,396; Apr. 14; Serial No. 206,620; published Feb. 3, 1925.
Liniment. W. J. Johnson. 197,151; Apr. 14; Serial No. 185,298; published Dec. 16, 1924.
Lotion, Face. A. N. Terry. 197,379; Apr. 14; Serial No. 203,346; published Jan. 27, 1925.
Lotion for the skin. S. R. Park. 197,178; Apr. 14; Serial No. 204,418; published Jan. 20, 1925.
Lotion, Skin. H. A. Duglay. 197,149; Apr. 14; Serial No. 186,466; published Jan. 20, 1925.

Lubricator and carbon remover, Liquid. L. Weinstein. 197,175; Apr. 14; Serial No. 204,135; published Jan. 20, 1925.
Medicinal preparation. Brewer & Company. 197,371; Apr. 14; Serial No. 200,423; published Jan. 27, 1925.
Medicinal preparation for the tonsils, etc. E. J. McCann. 197,183; Apr. 14; Serial No. 204,562; published Jan. 20, 1925.
Medicinal treatment of sterility, impotence, etc. Glandular Laboratories of America. 197,393; Apr. 14; Serial No. 206,521; published Feb. 3, 1925.
Medicine for cattle, sheep, and pigs. Osmond & Son Limited. 197,412; Apr. 14; Serial No. 205,291; published Feb. 3, 1925.
Medicine for tuberculosis. J. Furuness. 197,188; Apr. 14; Serial No. 201,804; published Jan. 20, 1925.
Medicines for blood disorders, etc. Bransky & Harris. 197,134; Apr. 14; Serial No. 203,250; published Dec. 16, 1924.
Nitrate of soda. W. R. Grace & Co. 197,142; Apr. 14; Serial No. 200,315; published Jan. 20, 1925.
Pastes, liquid preparations and powders, and perfumery. Parfumerie Roger & Gallet. 197,193; Apr. 14; Serial No. 205,294; published Jan. 20, 1924.
Pharmaceutical preparations for the treatment of diseases of the skin, etc. Fort Wayne Drug Company. 197,152; Apr. 14; Serial No. 164,412; published Mar. 25, 1924.
Powder, vanishing cream, etc., Face. Richard Hudnut. 197,192; Apr. 14; Serial No. 205,166; published Jan. 20, 1925.
Preparation for neuritis. Quinres Company. 197,196; Apr. 14; Serial No. 205,356; published Jan. 20, 1925.
Preparation for the treatment of coughs, colds, and throat troubles. Kemp & Lane, Inc. 197,391; Apr. 14; Serial No. 206,485; published Feb. 3, 1925.
Preparation for the treatment of eczema, salt rheum, etc. W. G. Holley. 197,191; Apr. 14; Serial No. 205,165; published Jan. 13, 1925.
Preparation for treatment of corns, cuts, etc. J. Semo. 197,194; Apr. 14; Serial No. 205,298; published Jan. 20, 1925.
Preparation for use in the treatment of ailments of the stomach and liver, etc. W. Clifton. 197,390; Apr. 14; Serial No. 206,762; published Feb. 3, 1925.
Preparations for internal and external use. E. C. De Witt & Co. 197,205; Apr. 14; Serial No. 204,897; published Jan. 27, 1925.
Remedy for dyspepsia and indigestion. U. B. Kline. 45,784; renewed Aug. 29, 1925.
Remedy to relieve catarrh, insect bites, etc. Encoe & Encoe Menthol Company. 197,187; Apr. 14; Serial No. 205,053; published Dec. 30, 1924.
Salt. Carey Salt Company. 197,148; Apr. 14; Serial No. 193,570; published Jan. 20, 1925.
Salve. White Wonder Company. 197,145; Apr. 14; Serial No. 197,232; published July 8, 1924.
Sarsaparilla, peppermint, cod-liver oil, etc. R. H. Macy & Co. 197,204; Apr. 14; Serial No. 205,076; published Jan. 27, 1925.
Sedative and antispasmodic, Uterine. Brewer & Company. 197,140; Apr. 14; Serial No. 200,426; published Jan. 20, 1925.
Sedative demulcent for coughs and bronchitis. Brewer & Company. 197,141; Apr. 14; Serial No. 200,425; published Jan. 20, 1925.
Spirits turpentine for medicinal use. N. F. Ames & Co. 197,179; Apr. 14; Serial No. 204,432; published Jan. 20, 1925.
Tablet, Foot-bath. Scholl Manufacturing Company. 197,403; Apr. 14; Serial No. 199,248; published Feb. 3, 1925.
Tablets, Medicinal. H. G. Knoll & Co. 197,143; Apr. 14; Serial No. 198,945; published Jan. 20, 1925.
Tonic, laxative, and digestive. F. B. McFall. 197,184; Apr. 14; Serial No. 204,919; published Jan. 20, 1925.
Tonics, vaginal suppository, and douche. La Vita Laboratories, Ltd. 197,364; Apr. 14; Serial No. 188,683; published Jan. 27, 1925.
Tooth-cleaning preparations. W. E. Bruce. 197,139; Apr. 14; Serial No. 200,541; published Jan. 20, 1925.

CLASS 7.

Cords, braided. Silver Lake Company. 197,447; Apr. 14.
Twine and marline. Ludlow Manufacturing Associates. 197,378; Apr. 14; Serial No. 203,321; published Jan. 27, 1925.

CLASS 11.

Ink paste. American Crayon Company. 197,223; Apr. 14; Serial No. 205,463; published Jan. 20, 1925.

CLASS 12.

Fiber boards and door panels cut therefrom. Regenstein-Veeder Company. 197,452; Apr. 14.
Lime hydrate. Pacific Lime and Plaster Co. 197,376; Apr. 14; Serial No. 202,304; published Jan. 13, 1925.
Tiles and ceramic ware. American Encaustic Tiling Co. Ltd. 45,389; renewed Aug. 15, 1925.
Tiles and ceramic ware. American Encaustic Tiling Co. Ltd. 45,425; renewed Aug. 15, 1925.

CLASS 14.

Castings, Steel. Anitman & Taylor Machinery Company. 45,087; renewed Aug. 8, 1925.

CLASS 15.

Gasoline. Speedex Gasoline Company of Washington. 197,442; Apr. 14; Serial No. 204,876; published Feb. 3, 1925.
Lubricating compound for electrical wires and cables. Electro Compound Co. 197,351; Apr. 14; Serial No. 199,049; published Feb. 3, 1925.
Oil, Cutting. Acme Refining Co. 197,324–5; Apr. 14; Serial Nos. 204,342–3; published Feb. 3, 1925.
Oils and greases, Lubricating. G. B. Carran. 197,329; Apr. 14; Serial No. 204,009; published Feb. 3, 1925.

CLASS 16.

Antirust composition, paints, varnishes, etc. "Subox" Aktiengesellschaft Electro-Chemische Fabrik, Metall- & Hüttenprodukte. 197,360; Apr. 14; Serial No. 200,346; published Feb. 3, 1925.
Enamel, putty glaze, enamel thinner, etc., Lacquer. O'Brien Varnish Company. 197,433; Apr. 14; Serial No. 205,848; published Feb. 3, 1925.
Lead sulphate, Basic. Eagle Picher Lead Company. 197,345; Apr. 14; Serial No. 192,564; published Jan. 27, 1925.
Lithopones. W. Brodie. 197,361; Apr. 14; Serial No. 200,380; published Feb. 3, 1925.
Paint. L. Jackson. 197,427; Apr. 14; Serial No. 205,759; published Feb. 3, 1925.
Paint. W. W. Lawrence & Company. 197,436; Apr. 14; Serial No. 205,213; published Feb. 3, 1925.
Paints and enamel. Federal Composition and Paint Company. 197,323; Apr. 14; Serial No. 204,360; published Feb. 3, 1925.
Paints and enamels, varnishes, etc. Celluloid Zapon Company. 197,335; Apr. 14; Serial No. 203,558; published Feb. 3, 1925.
Paints, Ready-mixed. Hoboken White Lead & Color Works, Inc. 197,439; Apr. 14; Serial No. 205,008; published Feb. 3, 1925.
Paints, varnishes, and shellac, Ready-mixed. Robert J. Anderton, Inc. 197,219; Apr. 14; Serial No. 205,979; published Jan. 27, 1925.
Polish, Auto. J. E. W. Stange. 197,440; Apr. 14; Serial No. 204,800; published Feb. 3, 1925.
Thinners and colors. C. A. Willey. 45,664; renewed Aug. 29, 1925.
Varnish. Emil Calman & Co. 197,423; Apr. 14; Serial No. 200,154; published Feb. 3, 1925.
Varnishes, shellacs, and enamels. Emil Calman & Co. 45,233; renewed Aug. 8, 1925.

CLASS 17.

Cigarettes. L. Bamberger & Company. 197,387; Apr. 14; Serial No. 206,211; published Feb. 3, 1925.
Cigarettes. Orocus Tobacco & Trading Corporation. 197,408; Apr. 14; Serial No. 203,960; published Feb. 3, 1925.
Cigarettes. Stephano Bros. 45,203; renewed Aug. 8, 1925.
Cigarettes. Stephano Bros. 46,146; renewed Sept. 5, 1925.
Cigars. Marine Cigar Co. 197,388; Apr. 14; Serial No. 206,248; published Feb. 3, 1925.
Cigars. Claud D. Swint and Willis J. Davis. 197,203; Apr. 14; Serial No. 205,142; published Jan. 27, 1925.
Cigars, cigarettes, and smoking tobacco. B. Wade. 197,347; Apr. 14; Serial No. 197,570; published Jan. 27, 1925.
Tobacco, cigars, cigarettes and snuff. Richmond Cavendish Co. 26,317–18; renewed Apr. 2, 1925.
Tobacco products. Valentin Blats Brewing Company. 197,200; Apr. 14; Serial No. 205,388; published Jan. 27, 1925.

CLASS 21.

Batteries and chargers. Perrine Quality Products Corp. 197,248; Apr. 14; Serial No. 204,929; published Jan. 13, 1925.
Carbons for arc lights, carbon electrodes, etc. C. Conradty. 197,278; Apr. 14; Serial No. 178,481; published Jan. 13, 1925.
Circuit breakers for motor vehicles. Nu-Idea Manufacturing Company. 197,232; Apr. 14; Serial No. 204,272; published Jan. 20, 1925.
Electric controlling devices. Marshall Electric Company. 197,136; Apr. 14; Serial No. 202,632; published Dec. 9, 1924.
Electric fixtures. Buffalo Chandelier Corporation. 197,316; Apr. 14; Serial No. 205,390; published Jan. 20, 1925.
Electric-lamp reflectors and lighting outfits, etc. Christmas-tree. Monowatt Electric Import Company. 197,276; Apr. 14; Serial No. 186,517; published Jan. 13, 1925.
Electric-light-fixture-attaching straps. Groun-Tite Fixture Strap Company. 197,270; Apr. 14; Serial No. 199,940; published Jan. 13, 1925.
Electric-lighting units. Lighting Fixture & Supply Company. 197,300–1; Apr. 14; Serial Nos. 206,088–9; published Jan. 20, 1925.
Electric running, landing, navigation, etc., lights, ignition interrupters, etc. Pioneer Instrument Company. 197,167; Apr. 14; Serial No. 188,217; published Jan. 20, 1925.

Electrical panel boards and fuse boxes. Hyser Electric Manufacturing Co. 197,153; Apr. 14; Serial No. 206,571; published Jan. 20, 1925.
Headsets, loud speakers, transformers, etc. Tower Manufacturing Corporation. 197,450; Apr. 14.
Insulator pins, Locust-wood. Williams Manufacturing Co. 197,322; Apr. 14; Serial No. 204,583; published Jan. 20, 1925.
Lamps, Automobile. Jacobs Auto Safety Lamp Co. 197,289; Apr. 14; Serial No. 189,900; published Jan. 20, 1925.
Lamps, Electrical. Bedtime Products Co. 197,267; Apr. 14; Serial No. 201,691; published Jan. 6, 1925.
Lights, Electric Automobile. McKay Manufacturing Co. 197,238; Apr. 14; Serial No. 203,528; published Jan. 20, 1925.
Panel boards, switchboards, electric switch boxes, etc. Drendell Electrical & Manufacturing Co. 197,283; Apr. 14; Serial No. 203,724; published Jan. 20, 1925.
Radio apparatus. Tridot Electric Co. 197,260; Apr. 14; Serial No. 202,530; published Jan. 13, 1925.
Radiocrystals. Foote Radio Corporation. 197,300; Apr. 14; Serial No. 205,747; published Jan. 20, 1925.
Radio head phones, loud speakers, etc. Globe Phone Manufacturing Company. 197,350; Apr. 14; Serial No. 198,943; published Jan. 20, 1925.
Radiojacks. Herbert H. Frost, Incorporated. 197,225; Apr. 14; Serial No. 205,056; published Jan. 13, 1925.
Radio parts. R. B. Radio Company. 197,266; Apr. 14; Serial No. 201,773; published Jan. 13, 1925.
Radio receiving sets. V. W. Kimball. 197,249; Apr. 14; Serial No. 205,070; published Jan. 13, 1925.
Radio receiving sets. H. Mattes. 197,320; Apr. 14; Serial No. 204,618; published Jan. 20, 1925.
Radio receiving sets and parts thereof. J. Guthrie. 197,222; Apr. 14; Serial No. 205,639; published Jan. 20, 1925.
Radio receiving sets and parts thereof. J. Guthrie. 197,312; Apr. 14; Serial No. 205,637; published Jan. 20, 1925.
Radio receiving sets and parts thereof. Radio Industries Corporation. 197,305; Apr. 14; Serial No. 205,950; published Jan. 20, 1925.
Radio sets, aerial equipment, etc. Ozarka, Incorporated. 197,250; Apr. 14; Serial No. 205,083; published Jan. 13, 1925.
Radio sets and radio apparatus. American Interstate Radio Service. 197,303; Apr. 14; Serial No. 205,975; published Jan. 20, 1925.
Radio tubes and detectors. Schickerling Products Manufacturing Company. 197,158; Apr. 14; Serial No. 200,833; published Jan. 20, 1925.
Rail bonds. Rail Welding & Bonding Company. 197,298; Apr. 14; Serial No. 168,550; published Jan. 20, 1925.
Rubber-covered wire and flexible cords. Tubular Woven Fabric Company. 197,279; Apr. 14; Serial No. 166,154; published May 29, 1923.
Sadirons, Electrical. Quality Appliances Company. 197,455; Apr. 14.
Spark plugs. Beacon Spark Plug Corporation. 197,292; Apr. 14; Serial No. 184,114; published Jan. 20, 1925.
Spark plugs. Blue Bird Motor Device Corporation. 197,280; Apr. 14; Serial No. 204,494; published Jan. 20, 1925.
Telephone instruments. Rugh and Noble. 197,354; Apr. 14; Serial No. 199,806; published Jan. 27, 1925.
Toasters, Electric. Waters-Genter Co. 197,304; Apr. 14; Serial No. 205,968; published Jan. 20, 1925.
Transformers and coils, Electrical. Sears Manufacturing Company. 197,240; Apr. 14; Serial No. 203,694; published Jan. 20, 1925.
Vacuum cleaners and parts thereof, Electric. Electric Vacuum Cleaner Company. 197,302; Apr. 14; Serial No. 205,997; published Jan. 20, 1925.
Vacuum cleaners, Electric. Vacuum Cleaner Specialty Co. 197,457; Apr. 14.
Vacuum tubes, radio receiving sets, and parts of same. Crowley Radio Corporation. 197,319; Apr. 14; Serial No. 204,760; published Jan. 20, 1925.
Wire insulation. Alpha Radio Supply Co. 197,271; Apr. 14; Serial No. 199,450; published Jan. 20, 1925.

CLASS 22.

Balls, Golf. R. Trigger. 197,386; Apr. 14; Serial No. 206,141; published Feb. 3, 1925.
Bats, Baseball. Zinn, Beck Bat Company. 197,445; Apr. 14.
Exercising device. T. W. Thackery. 197,409; Apr. 14; Serial No. 203,984; published Feb. 3, 1925.
Exercising device or toy. Reid Brothers. 197,411; Apr. 14; Serial No. 204,835; published Feb. 3, 1925.
Fishing lines. Cortland Line Co. Inc. 197,454; Apr. 14.
Game apparatus. M. G. Hilpert. 197,344; Apr. 14; Serial No. 188,906; published Jan. 27, 1925.
Golf clubs, balls, shafts, etc. L. A. Wimpfheimer. 197,326; Apr. 14; Serial No. 204,339; published Jan. 27, 1925.
Handballs, baseballs, cricket balls, etc. Game Balls Company Limited. 197,355–8; Apr. 14; Serial Nos. 199,985–8; published Jan. 27, 1925.
Toy animals. Schoen & Yondorf Co. 197,368; Apr. 14; Serial No. 198,968; published Jan. 27, 1925.

CLASS 24.

Drying racks or bars for clothes. Martcross Company. 197,463; Apr. 14.
Washboilers. Abraham & Straus, Inc. 197,461; Apr. 14.

CLASS 27.

Watches and watchcases. Dial Watch Case Company. 197,273; Apr. 14; Serial No. 196,731; published Jan. 20, 1925.

CLASS 28.

Earrings, bracelets, watch fobs, etc. Blacher Brothers. 197,264; Apr. 14; Serial No. 201,879; published Jan. 13, 1925.
Finger rings. Untermeyer, Robbins & Co. 197,459; Apr. 14.
Necklaces, Pearl or imitation-pearl. A. Rolnick. 197,220; Apr. 14; Serial No. 205,952; published Jan. 20, 1925.
Pearls, Indestructible. J. R. Wood & Sons. 197,275; Apr. 14; Serial No. 188,355; published Jan. 20, 1925.
Silver-plated articles. Manning, Bowman & Co. 197,218; Apr. 14; Serial No. 206,180; published Jan. 20, 1925.
Silver-plated flat tableware. International Silver Company; 197,217; Apr. 14; Serial No. 206,528; published Jan. 20, 1925.
Silver-plated flat tableware. International Silver Company. 197,287; Apr. 14; Serial No. 201,960; published Jan. 20, 1925.
Silverware—namely, hollow ware and novelties. Weidlich Bros. M'f'g Co. 197,460; Apr. 14.

CLASS 29.

Mops, Dish. Gold Dust Corporation. 197,419; Apr. 14; Serial No. 206,067; published Feb. 3, 1925.

CLASS 32.

Cabinets, cedar chests, etc., Kitchen. Block-Meakins Glass Corporation. 197,187; Apr. 14; Serial No. 202,580; published Jan. 20, 1925.
Mattresses. A. Woest. 197,274; Apr. 14; Serial No. 194,039; published Jan. 20, 1925.
Shades, Porch and window. Acroshade Company. 197,251; Apr. 14; Serial No. 205,145; published Jan. 13, 1925.
Springs, Bed. Kinney-Rome Co. 197,165; Apr. 14; Serial No. 189,903; published Jan. 13, 1925.

CLASS 34.

Lamps, Blow. Aktiebolaget Max Sievert. 197,206; Apr. 14; Serial No. 204,213; published Jan. 13, 1925.
Stoves and ranges. Stamford Foundry Company. 45,941; renewed Aug. 29, 1925.
Torches, kerosene burners and heaters. Chansee Oil Burner Company. 197,281; Apr. 14; Serial No. 186,046; published Jan. 6, 1925.

CLASS 36.

Accordions. M. Hohner, Inc. 197,448; Apr. 14.
Banjos, etc., Tuning peg for. H. A. Weymann & Son, Inc. 197,372; Apr. 14; Serial No. 200,697; published Jan. 27, 1925.
Phonograph needles. Targ & Dinner Music Co. 197,268; Apr. 14; Serial No. 202,153; published Jan. 13, 1925.
Phonograph records and player-piano rolls. I. M. Lawson. 197,265; Apr. 14; Serial No. 201,850; published Jan. 20, 1925.
Pianos. Cable Company. 45,634–5; renewed Aug. 22, 1925.
Talking machines. Radio Master Corporation of America. 197,176; Apr. 14; Serial No. 204,277; published Jan. 20, 1925.

CLASS 37.

Books, binders, filing apparatus, and parts thereof, Loose-leaf. Tenacity Manufacturing Company. 197,344; Apr. 14; Serial No. 204,284; published Jan. 13, 1925.
Books, Exercise, composition, etc. S. E. & M. Vernon Inc. 197,239; Apr. 14; Serial No. 203,767; published Jan. 20, 1925.
Books, memorandum books, composition books, etc., Account. S. E. & M. Vernon Inc. 197,331; Apr. 14; Serial No. 203,768; published Feb. 3, 1925.
Books, Pass. B. I. Hexter. 197,159; Apr. 14; Serial No. 200,317; published Jan. 20, 1925.
Embossing-press supplies. Hulse Manufacturing Company. 197,229; Apr. 14; Serial No. 204,503; published Jan. 20, 1925.
Envelopes, Pocket. H. A. Stern. 197,485; Apr. 14; Serial No. 205,241; published Feb. 3, 1925.
Letterheads and billheads. Turner & Porter, Inc. 197,160; Apr. 14; Serial No. 200,283; published Jan. 13, 1925.
Paper and mailing envelopes, announcement paper, etc., Writing. Old Colony Envelope Company. 197,241; Apr. 14; Serial No. 203,968; published Jan. 13, 1925.
Paper, and mailing envelopes, Tissue, typewriter, duplicating, and copying. Robert Fletcher and Son Limited. 197,340; Apr. 14; Serial No. 202,494; published Feb. 3, 1925.
Paper, Bond. Geo. A. Whiting Paper Company. 197,444; Apr. 14.

Paper cutters, bookmarks, and letter openers. Celluloid Company. 197,426; Apr. 14; Serial No. 205,854; published Feb. 3, 1925.
Paper for making blank books. S. E. & M. Vernon Inc. 197,332; Apr. 14; Serial No. 203,765; published Feb. 3, 1925.
Paper lunch rolls, Waxed-. Robertson Paper Co. 197,170; Apr. 14; Serial No. 178,408; published Jan. 13, 1925.
Paper lunch rolls, Waxed-. Robertson Paper Co. 197,171; Apr. 14; Serial No. 178,630; published Jan. 13, 1925.
Paper napkins and towels. Independent Paper Mills, Inc. 197,242–3; Apr. 14; Serial Nos. 204,261–2; published Jan. 13, 1925.
Paper, pasteboard, and cardboard. W. Siegfried. 197,163; Apr. 14; Serial No. 196,934; published Jan. 13, 1925.
Paper stock, Book-. Paper Manufacturers Educational Assn. Inc. 197,245; Apr. 14; Serial No. 204,566; published Jan. 13, 1925.
Paper, Wall. Asam Brothers Incorporated. 197,162; Apr. 14; Serial No. 190,413; published Jan. 13, 1925.
Paper, Waxed or paraffin. Nashua Gummed & Coated Paper Company. 197,353; Apr. 14; Serial No. 199,797; published Feb. 3, 1925.
Paper window shade material. Shadex Company. 197,206; Apr. 14; Serial No. 204,871; published Jan. 27, 1925.
Pencils, etc. A. Count von Faber-Castell. 197,169; Apr. 14; Serial No. 182,469; published Jan. 13, 1925.
Pens, Fountain. Eggens-Hambler Company. 197,849; Apr. 14; Serial No. 197,999; published Feb. 3, 1925.

CLASS 38.

Books, pamphlets, and sections thereof, Printed. Lancaster Press, Ind. 197,237; Apr. 17; Serial No. 203,186; published Jan. 20, 1925.
Cards and folders, Greeting. Shelly Printing Company. 197,380; Apr. 14; Serial No. 203,540; published Jan. 27, 1925.
Cards, placards, handbills, etc., Show. Surber-Arundale Company; Apr. 197,330; Apr. 14; Serial No. 203,847; published Feb. 3, 1925.
Cards, Printed, Turner & Porter, Inc. 197,164; Apr. 14; Serial No. 190,561 Published Jan. 13, 1925.
Fashions, Title to a weekly report on. A. Fanti. 197,269; Apr. 14; Serial No. 200,313; published Jan. 20, 1925.
Journal, Trade. Clinical Laboratories Company. 197,254; Apr. 14; Serial No. 205,513; published Jan. 13, 1925.
Magazine. Central Manufacturing District Magazine. 197,341; Apr. 14; Serial No. 201,932; published Feb. 3, 1925.
Magazine. Peninsula Publishing Company. 197,161; Apr. 14; Serial No. 199,718; published Jan. 13, 1925.
Magazine articles. Fairchild Company. 197,449; Apr. 14.
Magazine, Monthly. Everybodys Poultry Magazine Publishing Co. 197,321; Apr. 14; Serial No. 204,548; published Dec. 16, 1924.
Magazine section. Tradepress Publishing Corporation. 197,177; Apr. 14; Serial No. 204,337; published Jan. 20, 1925.
Magazine, Weekly. Horwood Publishing Company. 197,215; Apr. 14; Serial No. 205,873; published Jan. 13, 1925.
Magazines. C. Brandes, Inc. 197,259; Apr. 14; Serial No. 205,853; published Jan. 13, 1925.
Magazines. Texas Farm & Ranch Publishing Company. 197,246; Apr. 14; Serial 204,802; published Jan. 13, 1925.
Newspaper. H. C. McCall. 197,256–7; Apr. 14; Serial Nos. 205,702–3; published Jan. 13, 1925.
Newspaper, Photogravure section of a daily. Chicago Daily News Company. 197,252; Apr. 14; Serial No. 205,195; published Jan. 13, 1925.
Newspaper, Title of a. New York Evening Post, Inc. 197,214; Apr. 14; Serial No. 206,021; published Jan. 13, 1925.
Newspaper, Title of a section of a. Press Publishing Company. 197,221; Apr. 14; Serial No. 205,835; published Jan. 20, 1925.
Newspaper, Title to a. Public Ledger Company. 197,213; Apr. 14; Serial No. 206,028; published Jan. 13, 1925.
Newspapers, Weekly. All-Church Press. 197,212; Apr. 14; Serial No. 206,050; published Jan. 13, 1925.
Pamphlet. R. P. Schermerhorn. 197,253; Apr. 14; Serial No. 205,864; published Jan. 13, 1925.
Periodical, Monthly. J. I. Gumport and Sons, Inc. 197,154; Apr. 14; Serial No. 203,569; published Jan. 20, 1925.
Periodical, Monthly. Ring, Inc. 197,235; Apr. 14; Serial No. 202,759; published Jan. 20, 1925.
Photographic reproductions on metallic plates, Registration on. Pictorial Gravure Company. 197,277; Apr. 14; Serial No. 185,186; published Jan. 20, 1925.
Publication, Monthly. S. Figueras y Regalado. 197,255; Apr. 14; Serial No. 205,691; published Jan. 13, 1925.
Publication, Name of its. Poultry Breeders Publishing Co. 197,272; Apr. 14; Serial No. 199,316; published Jan. 20, 1925.
Publication, Weekly. Amusement Publishing Co. 197,155; Apr. 14; Serial No. 203,292; published Jan. 20, 1925.

CLASS 39.

Boots and shoes. A. E. Little and Company. 45,539; renewed Aug. 22, 1925.
Boots and shoes, Leather. Roberts & Hoge. 45,294; renewed Aug. 8, 1925.
Corsets. Warner Bros. Co. 45,584; renewed Aug. 22, 1925.
Garter brassières. Model Brassiere Co. 197,197; Apr. 14; Serial No. 206,361; published Jan. 13, 1925.
Hats and slips, Women's. S. Reed. 197,453; Apr. 14.
Hosiery. Mavis Hosiery Company. 197,398; Apr. 14; Serial No. 206,676; published Feb. 3, 1925.
Rubber heels and soles. F. W. Whitcher. 46,169; renewed Sept. 5, 1925.
Shoes. Elliott Juvenile Shoe Company. 197,262; Apr. 14; Serial No. 202,388; published Jan. 13, 1925.
Shoes. Wilson Shoe Company. 197,429; Apr. 21; Serial No. 205,621; published Jan. 27, 1925.

CLASS 40.

Beads, passementeries, ornamental feathers, etc., Metallic C. F. Buffard. 197,166; Apr. 14; Serial No. 184,933; published Jan. 13, 1924.
Beads, passementeries, ornamental feathers, etc., Metallic. C. F. Buffard. 197,168; Apr. 14; Serial No. 184,932; published Jan. 13, 1925.
Braids, Straw. R. H. Comey Companies Consolidated. 197,258; Apr. 14; Serial No. 205,816; published Jan. 20, 1925.
Combs, Bobbed-hair. Celluloid Company. 197,216; Apr. 14; Serial No. 205,856; published Jan. 20, 1925.
Combs, hairpins, and hair buckles and clasps. New York, Hamburger Gummi-Waaren Compagnie. 197,224; Apr. 14; Serial No. 205,129; published Jan. 20, 1925.
Hairpins, buckles, clasps, etc., Ornamented. William Prym Company. 197,172; Apr. 14; Serial No. 169,867; published Jan. 13, 1925.
Pins, Safety. L. Hochreiner. 197,247; Apr. 14; Serial No. 204,909; published Jan. 13, 1925.

CLASS 42.

Cotton fabrics, Woven. Minot, Hooper & Co. 45,826; renewed Aug. 29, 1925.
Cotton fabrics, Woven. Minot, Hooper & Co. 45,895; renewed Aug. 29, 1925.
Drilling. Minot, Hooper & Co. 45,762; renewed Aug. 29, 1925.
Knitted fabrics. Grushlaw & Sichel. 197,414; Apr. 14; Serial No. 205,411; published Feb. 3, 1925.
Metallic ribbons in the piece. Willard, Colbert & Giles. 197,451; Apr. 14.
Sheetings. Minot, Hooper & Co. 46,126; renewed Sept. 5, 1925.
Sheetings and drillings. Enterprise Mfg. Co. 46,104; renewed Sept. 5, 1925.
Sheetings and drillings. Minot, Hooper & Co. 46,268; renewed Sept. 12, 1925.
Sheetings and shirtings. Monohansett Mfg. Co. 45,093; renewed Aug. 8, 1925.
Textile fabrics. Oriental Silk Printing Company. 197,417; Apr. 14; Serial No. 206,023; published Feb. 3, 1925.
Woolen cloths. Fortsmann & Huffmann Company. 45,865; renewed Aug. 29, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 197,462; Apr. 14.

CLASS 44.

Medical instrument. A. Houdayer. 197,156; Apr. 14; Serial No. 201,703; published Jan. 13, 1925.
Rubber belts. Thompson-Barlow Company. 197,228; Apr. 14; Serial No. 204,683; published Jan. 13, 1925.

CLASS 45.

Apple-cider punch. S. Martinelli & Co. 197,456; Apr. 14.
Beverage. Good Grape Company. 197,415; Apr. 14; Serial No. 206,824; published Feb. 3, 1925.
Beverage sold as a soft drink. Circle A Company. 197,401; Apr. 14; Serial No. 185,917; published Feb. 3, 1925.
Beverages and fountain sirups. F. Husemann. 197,384; Apr. 14; Serial No. 206,118; published Feb. 3, 1925.
Beverages and sirups and concentrates for making same. Fred Koch Brewery. 197,446; Apr. 14.
Beverages, extracts, and sirups and ginger ale. Tonkin Distributing Co. 197,458; Apr. 14.
Drink, Nonalcoholic, maltless orange-flavored. Tenpenny Co. 197,385; Apr. 14; Serial No. 206,138; published Feb. 3, 1925.
Water and beverages, Distilled. T. B. Kane. 197,375; Apr. 14; Serial No. 202,254; published Jan. 27, 1925.

CLASS 46.

Albumen in combination with modified starches and sugar, Composition of matter usually made of. Joe Lowe Co. 197,400; Apr. 14; Serial No. 164,506; published Feb. 3, 1925.
Birdseed, flavoring extracts, olive oil, etc. Owl Drug Company. 197,268; Apr. 14; Serial No. 201,100; published Jan. 27, 1925.
Biscuits and crackers. Tru-Blu Biscuit Company. 197,416; Apr. 14; Serial No. 205,841; published Jan. 20, 1925.

Butter. Arthur Co-Operative Creamery Co. 197,290; Apr. 14; Serial No. 186,975; published Jan. 13, 1925.
Butter fat. Buterfake Corporation. 197,310; Apr. 14; Serial No. 205,685; published Jan. 20, 1925.
Cake mix. Joe Lowe Co. 197,298; Apr. 14; Serial No. 184,084; published Jan. 13, 1925.
Candies. Mason, Au & Magenheimer Confectionery Manufacturing Company. 197,437; Apr. 14; Serial No. 205,170; published Jan. 27, 1925.
Candies. Mrs. Stover's Bungalow Candies. 197,342; Apr. 14; Serial No. 201,596; published Feb. 3, 1925.
Candy. Brecht Candy Company. 197,333; Apr. 14; Serial No. 203,717; published Feb. 3, 1925.
Candy. Hawley & Hoops. 197,338; Apr. 14; Serial No. 202,625; published Feb. 3, 1925.
Candy. A. D. Royster and Brother, Inc. 197,432; Apr. 14; Serial No. 205,362; published Jan. 27, 1925.
Candy. Peter Sisco Company. 197,390; Apr. 14; Serial No. 206,437; published Feb. 3, 1925.
Candy. Sweet Candy Company. 197,438; Apr. 14; Serial No. 205,141; published Jan. 27, 1925.
Candy. Jennie Wade Chocolate Shop. 197,282; Apr. 14; Serial No. 203,852; published Jan. 6, 1925.
Candy bar. Poulos Brothers. 197,367; Apr. 14; Serial No. 198,759; published Jan. 27, 1925.
Canned caviar. Great Atlantic and Pacific Tea Company. 197,424; Apr. 14; Serial No. 206,068; published Feb. 3, 1925.
Canned goods, coffee, etc. W. A. Jordan Company. 197,150; Apr. 14; Serial No. 185,594; published Jan. 20, 1925.
Canned fruits and berries. North Pacific Co-Operative Berry Growers. 197,291; Apr. 14; Serial No. 186,150; published June 3, 1924.
Canned fruits and vegetables. D. Di Fiore Canning Co. 197,428; Apr. 14; Serial No. 205,744; published Feb. 3, 1925.
Canned sardines. M. de Bruyn. 197,317; Apr. 14; Serial No. 205,319; published Jan. 27, 1925.
Cantaloupes and lettuce. M. C. Wahl. 197,362; Apr. 14; Serial No. 201,520; published Jan. 27, 1925.
Celery, Fresh. E. P. Montague. 197,430; Apr. 14; Serial No. 205,430; published Feb. 3, 1925.
Chocolate and candies. Park & Tilford. 197,327; Apr. 14; Serial No. 204,111; published Jan. 27, 1925.
Cocoa. Elite Cocoa Company. 197,202; Apr. 14; Serial No. 205,825; published Jan. 27, 1925.
Coffee. F. Cotera. 197,422; Apr. 14; Serial No. 206,607; published Feb. 3, 1925.
Coffee. J. M. Frank. 197,299; Apr. 14; Serial No. 163,149; published Jan. 13, 1925.
Coffee. Newmark Brothers. 197,343; Apr. 14; Serial No. 158,138; published Jan. 27, 1925.
Eggs. Sinclair Sales Company. 197,190; Apr. 14; Serial No. 206,131; published Jan. 27, 1925.
Flavoring extracts. Puryear-Miller Mfg. Co. 45,311; renewed Aug. 15, 1925.
Flour, Pancake. Hecker-Jones-Jewell Milling Company. 197,328; Apr. 14; Serial No. 204,027; published Jan. 27, 1925.
Flour, Self-rising. Royal Milling Company. 197,348; Apr. 14; Serial No. 197,961; published Jan. 27, 1925.
Flour, Self-rising pancake. Tallcot Milling Company. 197,198; Apr. 14; Serial No. 206,200; published Jan. 27, 1925.
Flour, Self-rising wheat. Lawrenceburg Roller Mills Co. 197,404; Apr. 14; Serial No. 201,000; published Nov. 18, 1924.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 197,294; Apr. 14; Serial No. 182,809; published Jan. 1, 1924.
Flour, Wheat. Pillsbury Flour Mills Company. 197,313; Apr. 14; Serial No. 205,438; published Jan. 20, 1925.
Flour, Wheat. Sperry Flour Co. 197,311; Apr. 14; Serial No. 205,563; published Jan. 20, 1925.
Flour, Wheat. Waggoner-Gates Milling Company. 45,341; renewed Aug. 15, 1925.
Flour, Wheat. Saginaw Milling Company. 197,431; Apr. 14; Serial No. 205,363; published Feb. 3, 1925.
Flour, Wheat. William Listman Milling Co. 27,009; renewed Aug. 27, 1925.
Food, Poultry and animal. A. R. Coulson. 197,313; Apr. 14; Serial No. 205,395; published Jan. 20, 1925.
Fruits, Dried. California Prune & Apricot Growers Assn. 197,210; Apr. 14; Serial No. 203,721; published Jan. 27, 1925.
Fruits, Fresh citrous. Carleton Fruit Company. 197,346; Apr. 14; Serial No. 195,863; published Jan. 27, 1925.
Grapefruit, oranges, and lemons. Texas Citrus Fruit Growers Exchange. 197,434; Apr. 14; Serial No. 205,302; published Jan. 27, 1925.
Grapes, Fresh. I. J. Nelson. 197,374; Apr. 14; Serial No. 201,620; published Jan. 27, 1925.
Gum, Chewing. Kellogg Toasted Corn Flake Co. 197,297; Apr. 14; Serial No. 172,995; published June 3, 1924.
Gum, Chewing. Wm. J. Wischmann, Inc. 197,201; Apr. 14; Serial No. 205,383; published Jan. 27, 1925.
Ice cream. National Ice Cream Company. 197,226; Apr. 14; Serial No. 205,024; published Jan. 27, 1925.
Jelly, Grapefruit. G. Petris. 197,211; Apr. 14; Serial No. 203,587; published Jan. 27, 1925.
Marmalade. Conquest Marmalade Company. 197,352; Apr. 14; Serial No. 199,276; published Feb. 3, 1925.
Milk, Evaporated. Detroit Commerce Company. 197,227; Apr. 14; Serial No. 204,816; published Jan. 27, 1925.
Oranges, lemons, grapefruit. San Fernando Heights Lemon Co. 197,420; Apr. 14; Serial 206,924; published Feb. 3, 1925.
Peaches, Fresh. J. J. Reeder Orchard Co. 197,443; Apr. 14; Serial No. 204,422; published Jan. 27, 1925.
Pears. Murphy & Yarbrough. 197,334; Apr. 14; Serial No. 203,689; published Jan. 27, 1925.
Plums. Rosecrest Fruit Exchange. 197,421; Apr. 14; Serial No. 206,637; published Feb. 3, 1925.
Pop corn, Candied. Cracker Jack Co. 197,337; Apr. 14; Serial No. 203,358; published Feb. 3, 1925.
Pop corn, Flavored. M. B. Johnston. 197,339; Apr. 14; Serial No. 202,587; published Feb. 3, 1925.
Potatoes. Minnesota Potato Growers Exchange. 197,209; Apr. 14; Serial No. 203,967; published Jan. 27, 1925.
Pudding powder. J. Collin-Verelst. 197,410; Apr. 14; Serial No. 204,290; published Jan. 27, 1925.
Rice and mixed feeds. Smith Rice Mill Company. 197,418; Apr. 14; Serial No. 205,371; published Jan. 20, 1925.
Sausage. Van Wagenen and Schickhaus Company. 197,377; Apr. 14; Serial No. 202,830; published Jan. 27, 1925.
Scrapple, hams, and bacon. P. C. Squire. 197,296; Apr. 14; Serial No. 174,982; published Mar. 18, 1924.
Sirup, Malt. Western Bottle & Supply Co. 197,336; Apr. 14; Serial No. 203,498; published Jan. 27, 1925.
Soups, soup base, and gravy thickener, Cream-of-pea, etc. Marvo Foods, Inc. 197,441; Apr. 14; Serial No. 204,367; published Feb. 3, 1925.
Sugar and sugar blended with starch. Western Sugar Mills, Inc. 197,236; Apr. 14; Serial No. 202,839; published Jan. 27, 1925.
Vegetables, fruits, melons, and grapes. A. E. Barker & Co. of California. 197,407; Apr. 14; Serial No. 203,711; published Jan. 27, 1925.

CLASS 48.

Beverage, Malt. Aktieselskabet de Forenede Bryggerier. 197,369; Apr. 14; Serial No. 199,667; published Jan. 27, 1925.
Beverage, Malt or hop. Eilert Products Co. 197,373; Apr. 14; Serial No. 200,754; published Jan. 27, 1925.
Malt extract. Heits Company. 197,389; Apr. 14; Serial No. 206,408; published Feb. 3, 1925.

CLASS 50.

Marble, Artificial. H. W. Smith. 197,181; Apr. 14; Serial No. 204,534; published Jan. 6, 1925.
Transparent or translucent elastic body or film. Cello Products Incorporated. 197,366; Apr. 14; Serial No. 198,453; published Aug. 12, 1924.

ALPHABETICAL LIST OF LABELS.

Bell's Pure Food Flavors. For Flavoring Extracts. W. P. Bell. 28,541; Apr. 14.
Bunches of Raisins. For Bread Wrappers. E. Frisch. 28,581; Apr. 14.
Buterfake. For Butter Fat. Buterfake Corporation. 28,452; Apr. 14.
Carter Automatic Weighing Feeder. For Automatic Weighing Feeders. Carter-Mayhew Manufacturing Company. 28,543; Apr. 14.
Delicious. For Butter. Menasha Printing and Carton Company. 28,594; Apr. 14.
Destruxol. For Insecticides. Paragon Chemical Co. 28,601; Apr. 14.
Dr. Brooks' Cacao Liquor After the exclusive formula of M. J. Brooks, M. D. For Wrapper on Boxes for Solid Cakes of Cacao Liquor. Ideal Cocoa & Chocolate Co. 28,587; Apr. 14.
Dr. Brown's. For Ginger Ale. Schoneberger & Noble, Inc. 28,604; Apr. 14.
Dr. G. S. Wait's Nox-All Fly-Ant-Insect Spray. For Nox-All Fly-Ant-Insect Spray. Geo. Z. Wait Co. 28,617; Apr. 14.
Donna May G L O. For Sirup for Ice-Cream Sundaes and Sodas, Cocktails, and Flavoring Purposes. Cooper-Rowles. 28,546; Apr. 14.
Donna May Mixed Fruit Chips. For Small Chips or Pieces of Grapefruit Cooked in Cane Sugar Sirup Until Candied, for Culinary Use in Candies, Cakes, Ice Cream, and Salads. Cooper-Rowles. 28,545; Apr. 14.
Edgemont Crackers. For Crackers. Green & Green Company. 28,582; Apr. 14.
Geniale Record. For Disk Records. E. Rossi. 28,603; Apr. 14.

Glo-Tone. For Gloss Hair Tonic. A. E. Watkins. 28,619; Apr. 14.
Golfeet. For Hosiery. J. D. Rambo. 28,602; Apr. 14.
Hard and Chewy Centers. For Candy. Milwaukee Paper Box Co. 28,600; Apr. 14.
Hildebrandt Sylvana Sausage. For Sausage. Hildebrandt Provision Company. 28,586; Apr. 14.
"Home Mades" Favorite Selections For Candy. Milwaukee Paper Box Co. 28,599; Apr. 14.
Jelly Roll. For Candy Bar. B. L. Guy. 28,583; Apr. 14.
Jersey Maid. For Butter. Menasha Printing and Carton Company. 28,596; Apr. 14.
Klean-Brush (Trade Mark) The Cleaner That Cleans Old and Useless Paint and Varnish Brushes and gives them a new lease of life. For Compound to Clean Paint and Varnish Brushes. Klean Brush Company. 28,589; Apr. 14.
Komfit. For Cellulose Sanitary Napkins. American White Cross Laboratories. 28,540; Apr. 14.
Longfellow Bread. For Bread. Menasha Printing and Carton Company. 28,597; Apr. 14.
Mama's Secret. For Candy. J. C. Colletti Company. 28,544; Apr. 14.
Marathon. For Dry Batteries. Marathon Battery Company. 28,590; Apr. 14.
Master. For Toilet Paper. Seneca Paper Co. 28,607; Apr. 14.
Mul-I-Game 'The Game of Many Games'. For a Game. M. Carlton Dank & Co. 28,578; Apr. 14.
No. 2 Diamoblox. For No. 2 Diamoblox,—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 28,615; Apr. 14.
Oscar Mayer's Luscious-Ham. For Hams. Oscar Mayer & Co. 28,591; Apr. 14.
Parkview. For Bread. Menasha Printing and Carton Company. 28,598; Apr. 14.
Purple Cross. For Toilet Paper. Seneca Paper Co. 28,606; Apr. 14.
R L C. For Canned Black Cherries. R. L. Craig & Co. 28,547; Apr. 14.
R L C. For Canned Royal Anne Cherries. R. L. Craig & Co. 28,548; Apr. 14.
R L C. For Canned String Beans. R. L. Craig & Co. 28,549; Apr. 14.
R L C. For Canned Tunny Fish. R. L. Craig & Co. 28,550; Apr. 14.
R L C. For Canned Muscat Grapes. R. L. Craig & Co. 28,551; Apr. 14.
R L C. For Canned Hominy. R. L. Craig & Co. 28,552; Apr. 14.
R L C. For Canned Strawberries. R. L. Craig & Co. 28,553; Apr. 14.
R L C. For Canned Asparagus. R. L. Craig & Co. 27,554; Apr. 14.
R L C. For Canned Peaches. R. L. Craig & Co. 28,555; Apr. 14.
R L C. For Canned Corn. R. L. Craig & Co. 28,556; Apr. 14.
R L C. For Canned Green Chili. R. L. Craig & Co. 28,557; Apr. 14.
R L C. For Canned Fruits for Salad. R. L. Craig & Co. 28,558; Apr. 14.
R L C. For Canned Pears. R. L. Craig & Co. 28,559; Apr. 14.
R L C. For Canned Red Pimientos. R. L. Craig & Co. 28,560; Apr. 14.
R L C. For Canned Apricots. R. L. Craig & Co. 28,561; Apr. 14.
R L C. For Canned Loganberries. R. L. Craig & Co. 28,562; Apr. 14.
R L C. For Canned Blackberries. R. L. Craig & Co. 28,563; Apr. 14.
R L C. For Canned Sliced Beets. R. L. Craig & Co. 28,564; Apr. 14.
R L C. For Canned Plums. R. L. Craig & Co. 28,565; Apr. 14.
R L C. For Canned Pumpkin. R. L. Craig & Co. 28,566; Apr. 14.
R L C. For Canned Peas. R. L. Craig & Co. 28,567; Apr. 14.
R L C. For Canned Gooseberries. R. L. Craig & Co. 28,568; Apr. 14.
R L C. For Canned Sliced Pineapple. R. L. Craig & Co. 28,569; Apr. 14.
R L C. For Canned Crushed Pineapple. R. L. Craig & Co. 28,570; Apr. 14.
R L C. For Canned Sliced Yellow Cling Peaches. R. L. Craig & Co. 28,571; Apr. 14.
R L C. For Canned Sauerkraut. R. L. Craig & Co. 28,572; Apr. 14.
R L C. For Canned Tomatoes. R. L. Craig & Co. 28,573; Apr. 14.
R L C. For Canned Grapefruit. R. L. Craig & Co. 28,574; Apr. 14.
R L C. For Canned Spinach. R. L. Craig & Co. 28,575; Apr. 14.
R L C. For Tomato Catchup. R. L. Craig & Co. 28,576; Apr. 14.
R L C. For Canned Raspberries. R. L. Craig & Co. 28,577; Apr. 14.
Red Dragon Pain Paint. For Penetrating Application for Relief of Aches, Sprains, Lame Backs and Arms, Aching Joints and Muscles, Muscular Rheumatism, Neuralgia, or General Aches and Pains. C. P. Wynne. 28,620; Apr. 14.
Rieck's Private Brand. For Eggs. Menasha Printing and Carton Company. 28,592; Apr. 14.
Rieck's Private Brand. For Ice Cream. Menasha Printing and Carton Company. 28,595; Apr. 14.
Rose Bud. For Toilet Paper. Seneca Paper Co. 28,606; Apr. 14.
Schroeder Perfection Truss. For Trusses. H. Schroeder. 28,605; Apr. 14.
Semi-Jute. For Toilet Paper. Seneca Paper Co. 28,609; Apr. 14.
Seneca Chief. For Toilet Paper. Seneca Paper Co. 28,610; Apr. 14.
Slipanette Two In One Garment. For Undergarments. Erdman Mfg. Co. 28,579; Apr. 14.
Smiths Sacco. For Plant Food. Smith Agricultural Chemical Company. 28,611; Apr. 14.
Smiths Sacco Plant Food. For Plant Food. Smith Agricultural Chemical Company. 28,612; Apr. 14.
Smiths Sacco Toilet Cleanser. For Toilet Cleanser. Smith Agricultural Chemical Company. 28,613; Apr. 14.
Sprazon Auto Enamel. For Auto Enamel and Spray Machine. Sprazon Products Corporation. 28,614; Apr. 14.
Sumner's. For Butter. Menasha Printing and Carton Company. 28,593; Apr. 14.
The Simplex Cross Word Spell Tray. For Cross-Word Spell Trays. Everhart & Hackett. 28,580; Apr. 14.
This is Two Fired Vitreous China Ware. For Vitreous-China Products. Kalamazoo Sanitary Mfg. Co. 28,588; Apr. 14.
U-Combine. For Flavoring Compound. B. Heller & Company. 28,585; Apr. 14.
Vogue Hats. For Hats. Vogue Hat Company. 28,616; Apr. 14.
Ward's Snapy Snack. For Crispated Milk Chocolate Confections. Ward's Snapy Snack Co. 28,618; Apr. 14.
Zanzibar-Brand Coa-Sauce. For Cocoa Sauce in Dry Powder Form. B. Heller & Company. 28,584; Apr. 14.

ALPHABETICAL LIST OF PRINTS.

Diagram Showing Contours of Dopp Cast Iron Seamless Steam Jacketed Kettles. For Kettles. Sowers Manufacturing Company. 7,913; Apr. 14.
Don't Forget The Free Coupon In This Paper Tomorrow. For Perfume. S. Schwartz. 7,909; Apr. 14.
Here Is The Perfume Coupon. For Perfume. S. Schwartz. 7,910; Apr. 14.
Keil Saw and Jimmy Proof Lock. For Locks. Francis Keil & Son, Inc. 7,907; Apr. 14.
Major-League Bows. For Sport Bow Necktles. W. F. Smith. 7,912; Apr. 14.
Perfume for All. For Perfumes. S. Schwartz. 7,911; Apr. 14.
Serve Yourself And Save. For Ladies' Frocks, Suits, and Coats. Littmann's, Inc. 7,908; Apr. 14.
Snowbird Pocahontas. For Coal. Easterbrook Coal Company. 7,905; Apr. 14.
Triumph Thermometers For Every Household Purpose. For Thermometers. Sussfeld, Lorsch & Schimmel. 7,914; Apr. 14.
What a difference Electric Light makes. For Mazda Lamps. Edison Lamp Works of General Electric Co. 7,906; Apr. 14.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Pratt Coal Co. 209,245; Apr. 14.
Coal. Rutledge and Taylor Coal Company. 207,890; Apr. 14.
Pelts. National Fur Farms Company. 206,490; Apr. 14.
Sealskins. Fouke Fur Company. 208,647; Apr. 14.
Seeds, Watermelon. C. A. Thurmond. 177,528; Apr. 14.

CLASS 2.

Paper bags. Hammond Bag & Paper Co. 192,019; Apr. 14.
Paper boxes and cartons. Fleishhacker Paper Box Co. 207,981; Apr. 14.

CLASS 5.

Glue, Vegetable. F. W. Tunnell & Company. 209,443; Apr. 14.

CLASS 6.

Balm, Analgesic. Standard Remedy Company. 209,486; Apr. 14.
Chemical compound to be used for impregnating and waterproofing textile coverings of electrical conductors. Tar Products Corporation. 210,323; Apr. 14.
Cleaner and deodorizer, Drain and waste pipe. Girard & Co. 210,381; Apr. 14.
Cough medicine. L. Budden. 210,042; Apr. 14.
Cream for the face, hands, etc. A. S. Hinds Co. 209,476; Apr. 14.
Dandruff, falling hair, and itching-scalp preparation. W. R. Scott. 206,599; Apr. 14.
Deodorant. W. E. Learned. 209,991; Apr. 14.
Depilatory. Pryde Pharmacal Company. 198,761; Apr. 14.
Eye treatment. Lydell Laboratories. 210,243; Apr. 14.
Gum arabic, perfumery, essential oils, etc. Orbis Products Trading Co. 210,135; Apr. 14.
Hair and scalp tonic. E. Irvin. 208,886; Apr. 14.
Hairdressing. Onaola Cosmetic Co. 209,935; Apr. 14.
Hair grower and restorer. E. Cornelius. 204,221; Apr. 14.
Hair tonic. Herpicide Company. 210,890; Apr. 14.
Hair tonic, healing salve and oil, etc. A. L. Parker. 207,470; Apr. 14.
Inhalers. Germanium Products Company. 209,648; Apr. 14.
Insecticides, fungicides, etc. Bayer Company. 208,275; Apr. 14.
Lotion, Skin. Edal Products Co. 209,836; Apr. 14.
Mange medicine. H. Clay Glover Co. 210,231; Apr. 14.
Medicinal preparation for indigestion and stomach trouble. M. Murphy. 210,134; Apr. 14.
Medicinal preparation for phthisis, pneumonia, etc. E. Gilbert. 209,841; Apr. 14.
Medicinal preparation for the treatment of constipation. W. E. Learned. 209,994; Apr. 14.
Medicinal preparation for the treatment of obesity. W. E. Learned. 209,992; Apr. 14.
Medicine, Dog. R. H. Greene. 210,233; Apr. 14.
Medicines for consumption. A. Jaworski. 210,391; Apr. 14.
Medicines, Proprietary. Crandon-Hunter Company. 206,514; Apr. 14.
Multigermicides and blood and nerve correctives. Rand Sanatorium Company. 210,082; Apr. 14.
Oil for use in disinfectants, perfumery, shampoo preparations, etc., Pine. Acme Products Company. 207,540; Apr. 14.
Ointment and a suppository. Pyroligneine Company. 210,188; Apr. 14.
Penetrating application for relief of aches, sprains, etc. C. P. Wynne. 209,520; Apr. 14.
Perfume. Beatrice Meyer, Ltd. 209,423; Apr. 14.
Powders, creams, depilatories, rouges, etc. D. Gray. 206,781; Apr. 14.
Preparation for treatment of cramps, colic, etc. W. J. Lowry. 209,416; Apr. 14.
Preparation for treatment of sore throat, tonsillitis, etc. F. A. Beede. 197,246; Apr. 14.
Preparation for treatment of sores, wounds, and abrasions. F. A. Beede. 197,245; Apr. 14.
Preparations and antitoxins for tuberculosis. R. Graf & Co. Aktiengesellschaft. 208,751; Apr. 14.
Salt. Cerebos, Limited. 208,754; Apr. 14.
Salt, Nutrition. T. B. Wagner. 206,045; Apr. 14.
Salve. A. Dziubinski. 209,467; Apr. 14.
Starch, blue, perfumery, disinfectants, etc. Newton, Chambers, & Co. 208,087; Apr. 14.
Sulphur and lime-sulphur solution, Colloidal-. Herbert & Herbert. 191,705; Apr. 14.
Tablets, cough sirup, pile ointment, etc. W. J. Benjamin. 208,124; Apr. 14.
Tablets for pain, headache, etc. Prentil Corporation. 209,320; Apr. 14.
Tonic, liniment, face cream, and hair tonic. Health Sanitorium Laboratory Limited. 189,052; Apr. 14.
Tonic medicine. J. Dias. 209,834; Apr. 14.
Tonic, Stock and poultry. J. L. Hoffman Co. 202,114; Apr. 14.

CLASS 8.

Cigarette papers. J. Schnabl. 196,679; Apr. 14.
Cigarette wrappers and papers. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 195,421; Apr. 14.
Pipes, Tobacco. Delacour & Lewis Corporation. 209,282; Apr. 14.

CLASS 9.

Shells, Shot. Western Cartridge Company. 202,472; Apr. 14.

CLASS 10.

Fertilizer. Verdure, Inc. 192,202; Apr. 14.
Fertilizers. Badische Anilin- & Soda-Fabrik. 207,486–7; Apr. 14.

CLASS 11.

Ink regulators, reducers, driers, etc. W. F. Melton. 197,491; Apr. 14.

CLASS 12.

Cement, Plastic. Pioneer Paper Company. 207,884; Apr. 14.
Corner bars, moldings, and sills, and division bars, Copper. Himmel Brothers. 208,396; Apr. 14.
Flooring. Latex Products, Inc. 208,409; Apr. 14.
Joists, bank-vault reenforcement, etc., Steel. Rivet-Grip Steel Company. 209,177; Apr. 14.
Papers, Building. John Leslie Paper Company. 208,202; Apr. 14.
Refractory materials for furnace linings and walls. Vitrefrax Company. 209,511; Apr. 14.
Roofs and the like, Waterproofing compounds for. J. H. Harris Company. 207,302–3; Apr. 14.

CLASS 13.

Pipe fittings. Pittsburgh Engineering Company. 209,938; Apr. 14.
Sockets for use in securing screws, nails, etc. H. Loewenstein. 200,206; Apr. 14.
Tire chains. Hoff Metal Products Company. 208,591; Apr. 14.
Tire chains, Automobile. Superior Metal Products, Inc. 208,167; Apr. 14.
Valves for draining oil from crank cases of motor vehicles. Seatless Valve Company. 208,006; Apr. 14.

CLASS 14.

Castings, forgings, and boiler fittings. Eastern Steel Castings. 206,773; Apr. 14.
Iron and steel. Fagersta Bruks Aktiebolag. 209,900–2; Apr. 14.
Iron and steel. Fagersta Bruks Aktiebolag. 209,904; Apr. 14.
Iron and steel. Fagersta Bruks Aktiebolag. 209,906–8; Apr. 14.
Pickling crates, jet members, pipe fittings, and valve parts. Duriron Company. 207,283; Apr. 14.
Welding wire. International Welding Engineering Corporation. 189,160; Apr. 14.

CLASS 15.

Petroleum. West India Oil Company. 210,205; Apr. 14.

CLASS 16.

Lacquer paint. J. E. Bauer. 210,265; Apr. 14.
Lacquers, lacquer enamels, and paints. Maas & Waldstein Co. 210,128; Apr. 14.
Lacquers, thinner, paints, etc. Adams & Elting Co. 208,546; Apr. 14.
Paints. McDougall-Butler Co. 209,855; Apr. 14.
Paints, enamels, japans, varnishes, stains, and fillers. Sherwin-Williams Company. 209,946; Apr. 14.
Polish, Furniture and automobile. M. C. Bellkan. 208,375; Apr. 14.

CLASS 17.

Cigars and cigarettes. Fitzpatrick & Draper. 209,632; Apr. 14.
Tobacco and cigarettes. Cope Bros. & Co. 210,162–3; Apr. 14.

CLASS 19.

Automobiles. General Motors Corporation. 199,223–4; Apr. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Automobiles, Motor trucks, and parts thereof. A. Citroën. 182,900; Apr. 14.
Automotive parts. J. C. Gorey. 204,095; Apr. 14.
Bicycle saddles, foot pedals, etc. Compagnie Industrielle et Commerciale du Cycle et de l'Automobile. 205,202; Apr. 14.
Carriages, Baby. F. A. Whitney Carriage Co. 208,731; Apr. 14.
Trucks, Motor. Service Motor Truck Co. 137,338; Apr. 14.
Trucks, Motor. Service Motor Truck Co. 138,523; Apr. 14.

CLASS 21.

Automobile parking lamps, signal lamps, etc. Tiffany Manufacturing Company. 207,803; Apr. 14.
Batteries and plates, Storage. Am-Plus Storage Battery Company. 181,876; Apr. 14.
Electrical conductors, Metal conduits for. American Circular Loom Company. 206,344; Apr. 14.
Electrical resistors and resistance units for rheostats, lightning arresters, etc. Wireless Resistor Company of America. 193,093; Apr. 14.
Radio apparatus, Vernier dials for. M. Singer. 208,264; Apr. 14.
Radiopanels, switchboard panels, and insulated composition boards. Cornell Wood Products Company. 208,182; Apr. 14.
Radio receiver sets, batteries, loud speakers, plugs, antenna equipment, and radio tubes. John Wanamaker, New York. 207,422; Apr. 14.
Radio receiving sets. Radio Service Inc. 203,388; Apr. 14.
Radioreproducers. M. C. Saylor & Co. 207,407; Apr. 14.
Radiotubes. C-T Radio Corporation. 209,626; Apr. 14.
Telephones, transformers, rheostats, etc. Electrical Products Manufacturing Company. 207,922; Apr. 14.

CLASS 22.

Baby walker and car, Combined. W. G. Voliva. 209,113; Apr. 14.
Billiard and pocket-billiard balls. Brunswick-Balke-Collender Company. 209,276; Apr. 14.
Games, Card. Funnies. 209,392; Apr. 14.
Golf clubs. Morehead Golf Company. 209,677; Apr. 14.
Tops, Spinning. E. E. Bartram. 209,272; Apr. 14.
Toy building blocks and demountable toys. E. Walker. 209,883; Apr. 14.

CLASS 23.

Can openers. B. Couch. 208,456; Apr. 14.
Engines, Oil and gas. Campbell Gas Engine Company. 205,049; Apr. 14.
Farming implements. Hocking Valley Mfg. Co. 208,984; Apr. 14.
Files. Delta File Works. 206,280; Apr. 14.
Joints, etc. New England Auto Products Company. 208,416; Apr. 14.
Lathes, reamers, grinders, &c. W. R. Moore, jr. 209,670; Apr. 14.
Lubricating rings. United States Graphite Co. 192,457; Apr. 14.
Motors and internal-combustion engines, Gasoline marine. New York Yacht, Launch & Engine Co. 208,417; Apr. 14.
Pistons. Holley Carburetor Company. 209,343; Apr. 14.
Plows, hay presses, grain separators, etc. A. B. Farquhar Company. 208,803; Apr. 14.
Pneumatic-tube systems and parts thereof. G. & G. Atlas Systems Inc. 203,512; Apr. 14.
Printing and bookbinding and kindred industries, Machines and parts for the. Schnellpressenfabrik Act.-Ges. Heidelberg. 209,007; Apr. 14.
Production machines and tools. G. Scher. 208,872; Apr. 14.
Rakes. G. S. H. Specialty Company. 201,235; Apr. 14.
Resaws, squeezers, matchers, etc., Vertical. Mereen-Johnson Machine Co. 198,579; Apr. 14.
Sharpening device, Razor-blade-. G. B. Landa. 209,853; Apr. 14.
Soda fountains and parts thereof. Sodastream Limited. 209,143; Apr. 14.
Trench-digging machines. Cleveland Trencher Company. 208,794; Apr. 14.
Vacuum cleaners. B. I. Malouf. 206,790; Apr. 14.

CLASS 24.

Laundry tubs, Stationary. Chicago Granitine Manufacturing Company. 210,350; Apr. 14.
Washing machines and wringer mechanisms, Clothes-. Vermont Farm Machinery Company. 209,112; Apr. 14.

CLASS 26.

Compasses, banking indicators, pilot tubes, etc. Pioneer Instrument Company. 208,928; Apr. 14.

CLASS 27.

Watches. Gilbert & Co. 209,033; Apr. 14.
Watches, watchcases, watch movements, and parts of the same. Goldsmith Stern & Co. 209,911; Apr. 14.

CLASS 28.

Buttons, Collar. Pyramid Button Co. 209,940; Apr. 14.
Buttons, Cuff. Goldstein Manufacturing Company. 196,803; Apr. 14.
Buttons, Cuff. Parks Brothers & Rogers, Inc. 206,082; Apr. 14.
Ring mountings. George Goldberg, Inc. 208,758; Apr. 14.
Rings, Finger. J. L. Coleman. 209,024; Apr. 14.

CLASS 30.

Chinaware. Nathan Straus & Sons, Inc. 206,601; Apr. 14.

CLASS 33.

Glass jars and bottles. Ohio Glass Products Company. 206,537; Apr. 14.

CLASS 34.

Burners, Liquid-fuel. American Nokol Company. 190,713; Apr. 14.
Fuel grinders and pulverizers, burners, etc. Strong-Scott Mfg. Co. 203,653; Apr. 14.
Stoves. Estate Stove Co. 201,130; Apr. 14.
Stoves, heaters, and ranges, etc. Peerless Manufacturing Company. 204,976; Apr. 14.

CLASS 35.

Belting, Cotton. Peerless Belting Company. 180,973; Apr. 14.
Belting, Leather. McLeod Leather & Belting Co. 209,306; Apr. 14.
Piston rings. C. D. Stromgren. 208,345; Apr. 14.
Tires. Firestone Tire & Rubber Company. 175,011; Apr. 14.
Tires, inner tubes, tire accessories, etc. Firestone Tire & Rubber Company. 172,937; Apr. 14.

CLASS 36.

Phonographs, Portable. Emil Bornstein, Inc. 196,288; Apr. 14.

CLASS 37.

Pens, Drawing and lettering. Esterbrook Steel Pen Manufacturing Company. 210,541; Apr. 14.

CLASS 38.

Nom de plume used on magazine articles. Fairchild Company. 207,126; Apr. 14.

CLASS 39.

Bathing suits, belts, collars, caps, etc. W. G. Becker. 208,036; Apr. 14.
Bathing suits, belts, collars, caps, etc. W. G. Becker. 208,180; Apr. 14.
Boots and shoes. Thompson Bros. Shoe Co. 209,950; Apr. 14.
Brassières. Chas. R. De Bevoise Co. 210,046; Apr. 14.
Brassières, girdles, corsets, etc. Weingarten Bros. 209,114; Apr. 14.
Burial dresses and suits. Interstate Casket Company. 210,059; Apr. 14.
Clothing, Men's. J. R. Munn. 209,053; Apr. 14.
Cravats, mufflers, neckties, and reefers. Made Well Knitting Mills, Inc. 196,532; Apr. 14.
Dresses, aprons, frocks, and blouses, Ladies'. Home Distributors, Inc. 210,057; Apr. 14.
Frocks, dresses, hose, half hose, bathing suits, etc. Worth, Inc. 207,216; Apr. 14.
Gloves. Indianapolis Glove Company. 208,986; Apr. 14.
Gloves, Leather. Societe Anonyme des Gants Buscariet. 192,044; Apr. 14.
Hat frames. Fashion Hat Frame Co. 207,978; Apr. 14.
Hats, Women's. Raphael Weill and Company. 203,083; Apr. 14.
Heels. American Heel Co. 209,374; Apr. 14.
Hosiery. Strawbridge & Clothier. 210,089; Apr. 14.
Neckwear. Kadet Kruger Co. 207,191; Apr. 14.
Overalls, jackets, and overall union suits, children's play suits and rompers, Men's. P. Miller. 208,817; Apr. 14.
Shirts. Cluett, Peabody & Co. 209,897; Apr. 14.
Shirts. Yorke Shirt Company. 207,538; Apr. 14.
Shirts and boys' blouses, Men's and boys' work. Reliance Manufacturing Company. 209,175; Apr. 14.
Shirts, skirts, waists, hats, etc. Shepard Norwell Co. 208,111; Apr. 14.
Shirts, undershirts, collars, and cuffs. Earl & Wilson. 208,887; Apr. 14.
Shirts, underwear, hosiery, sweaters, etc. Werner Export Company. 180,569. Apr. 14.
Shirts, Work. Gordon Shirt Company. 190,501; Apr. 14.
Shoes, Leather. F. D. Bull. 208,092; Apr. 14.
Shoes, Leather. Edmonds Shoe Company. 209,979; Apr. 14.
Shoes, Women's. Associated Merchandising Corporation. 210,215; Apr. 14.
Soles, Shoe. A. Stein. 209,059; Apr. 14.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Suits and coats for men and boys. Sampeck Clothes, Inc. 210,253; Apr. 14.
Sweaters, caps and hats, etc. Torian Brothers Company. 207,835. Apr. 14.
Sweaters, hosiery, and knitted underwear. Campe Corporation. 209,974; Apr. 14.
Underwear. Vanity Fair Silk Mills. 204,641; Apr. 14.
Vests, slips, petticoats, bloomers, etc. Roberts-Frank Company. 208,610; Apr. 14.

CLASS 41.

Umbrellas, parasols, and canes. Bisbing & Altshuler, Inc. 210,218; Apr. 14.

CLASS 42.

Cotton and cotton and silk mixed piece goods. Loeffler, Brewer & Co. 207,791; Apr. 14.
Cotton and silk piece goods. John V. Farwell Company. 196,014; Apr. 14.
Cotton and silk piece goods. Voss & Stern, Inc. 206,203; Apr. 14.
Cotton, cotton and silk, etc., woven textile fabrics. Sullivan Smythfield Company. 209,063; Apr. 14.
Cotton, silk, and woolen piece goods, sheets, pillowcases, and towels. Daniel Miller Company. 209,231; Apr. 14.
Duck, Hose and belting. Unity Cotton Mills. 208,538; Apr. 14.
Fabrics in the piece. American Cellulose & Chemical Manufacturing Company. 208,175; Apr. 14.
Fabrics in the piece, Cord, chafer, etc. Unity Cotton Mills. 208,537; Apr. 14.
Handkerchiefs. J. J. Levin. 187,631; Apr. 14.
Prints in the piece. Samuel Eiseman & Co. 207,658; Apr. 14.
Satin piece goods. L. Dinkelspiel Co. 208,744; Apr. 14.
Silk fabrics, Artificial. Artsilk Knitting Mills Inc. 208,811; Apr. 14.
Silk piece goods. Hess, Goldsmith & Co. 209,215; Apr. 14.
Wool fabric, Knitted. Neyman Knitting Mills. 209,491; Apr. 14.
Woolen piece goods. Forstmann & Huffmann Company. 195,370; Apr. 14.
Woolen piece goods. Forstmann & Huffmann Company. 204,602; Apr. 14.

CLASS 43.

Thread and yarn. S. & H. Dyeing Co. 208,723; Apr. 14.
Yarns. Monomac Spinning Company. 209,309; Apr. 14.

CLASS 44.

Face masks and skin-treating appliances. Susanna Cocroft Laboratories, Inc. 208,898; Apr. 14.
Sanitary bloomers. I. B. Kleinert Rubber Company. 207,745; Apr. 14.

CLASS 45.

Beverages. Fitger Company. 209,030; Apr. 14.
Beverages. J. G. Fox. 209,566; Apr. 14.
Beverages. Massolt Bottling Co. 209,419; Apr. 14.
Beverages and cordials and sirups and extracts used in the preparation of same. W. P. Schramm. 208,929; Apr. 14.
Beverages and sirups for compounding same. Crawford Johnson & Co. 209,279–80; Apr. 14.

Ginger ale. H. Guggenheim. 210,167; Apr. 14.
Ginger ale. J. V. Miscovich. 206,422; Apr. 14.
Grape juice. Great Atlantic & Pacific Tea Company. 208,267; Apr. 14.

CLASS 46.

Butter and eggs. H. A. Hovey & Co. 206,577; Apr. 14.
Candies. Louis Cella, Inc. 192,678; Apr. 14.
Candy. Paul F. Beich Company. 210,084; Apr. 14.
Candy. Chase Candy Company. 204,894; Apr. 14.
Candy. Maison Marie. 204,712; Apr. 14.
Candy. A. G. Morse Co. 210,081; Apr. 14.
Candy. Nelson-Dashiell Company. 208,531; Apr. 14.
Candy. Schutter-Johnson Candy Co. 192,227; Apr. 14.
Candy. Smartset Bonbonniere, Inc. 210,413; Apr. 14.
Candy. Smartset Bonbonniere, Inc. 210,421; Apr. 14.
Canned fish. A. Palmigiano. 206,916; Apr. 14.
Canned fish and vegetables and relishes. Halfhill Packing Corp. 206,783; Apr. 14.
Canned goods. G. E. Howard. 210,058; Apr. 14.
Canned pineapple. Pearl City Fruit Co. 210,310; Apr. 14.
Canned vegetables. Naomi Canning Co. 210,308; Apr. 14.
Coffee. Schreiber Products Corporation. 191,510; Apr. 14.
Crackers. T. A. Huston & Co. 209,345; Apr. 14.
Dietetical products. A. & W. Lindt. 209,228; Apr. 14.
Flour, Wheat. S. P. Hoyt. 204,032; Apr. 14.
Flour, Wheat. Maney Milling Co. 209,418; Apr. 14.
Flour, Wheat. Owensboro Milling Co. 209,427; Apr. 14.
Flour, Wheat. White Satin Sugar Company. 206,759; Apr. 14.
Food, Fish. W. G. Motion. 208,155; Apr. 14.
Food, Infants'. F. L. Vilas. 209,824; Apr. 14.
Food products. Hess Bros. 204,317; Apr. 14.
Ice cream. C. Sharf. 208,659; Apr. 14.
Mayonnaise. M. Rowe. 209,549; Apr. 14.
Milk, Evaporated. Sherman and Company. 208,073; Apr. 14.
Oleomargarine. John F. Jelke Company. 207,371; Apr. 14.
Oranges. Edison Citrus Association. 205,819; Apr. 14.
Peanut butter, olives, wheat flour, etc. Portage Wholesale Grocery Co. 209,318; Apr. 14.
Pickles. O. A. Fanning. 209,727; Apr. 14.
Potatoes. W. H. J. Kavanagh. 207,387; Apr. 14.
Poultry and eggs, Dressed. Priebe & Sons, Inc. 206,749; Apr. 14.
Poultry, Dressed. Fremont Packing Company. 210,117; Apr. 14.
Poultry, Dressed. Salina Poultry Company. 209,942; Apr. 14.
Preparation for thickening, coloring, and seasoning gravy, soups, and stews. Cerebos, Limited. 208,842; Apr. 14.
Rice, prepared mustard, and tomato catchup. John Sexton and Company. 187,773; Apr. 14.
Sirup, Corn and sugar. Union Starch & Refining Company. 208,916; Apr. 14.
Sirup, Maple-sap. Vermont Maple Syrup Co. Inc. of St. Johnsbury. 209,510; Apr. 14.
Wafers, Nut. Arcadia French Pastry and Candy Mfg. Co. 206,147; Apr. 14.

CLASS 50.

Clothes racks. Levine & Solomon. 209,923; Apr. 14.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 14TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbot, Charles G., Washington, D. C., assignor to General Electric Company. Compass and magnetic dip indicator. 1,533,683; Apr. 14.

Abeel, Edwin A., Berkeley, Calif. Comb. 1,533,684; Apr. 14.

Abrams, William, Chicago, Ill. Lamp base. Des. 67,003; Apr. 14.

Abrams, William, Chicago, Ill. Lamp base. Des. 67,004; Apr. 14.

Abrams, William, Chicago, Ill. Lamp base. Des. 67,005; Apr. 14.

Abrams, William, Chicago, Ill. Lamp base. Des. 67,006; Apr. 14.

Acme Knitting Machine & Needle Company. (See Murphy, G., and Simond, assignors.)

Adams, William, Akron, Ohio. Electric switch. 1,533,295; Apr. 14.

Adcock, Aubrey A., Kansas City, Mo. Oil burner. 1,533,081; Apr. 14.

Agron, Isadore. (See Provence, Joseph S., assignor.)

Alemany, Mariano, Central Hershey, Cuba. Loading and unloading kilns or stoves. 1,533,296; Apr. 14.

Alig, Elmer A., St. Joseph, Mo. Gasoline bulb. 1,533,082; Apr. 14.

Alier, Joseph, Los Angeles, Calif. Memorandum. 1,533,297; Apr. 14.

Alley, E. G. (See Duncan, Sidney M., assignor.)

Allied Packers, Incorporated. (See Hawkinson, John A, assignor.)

Allis-Chalmers Manufacturing Company. (See Jorgensen, Arthur J., assignor.)

Allis-Chalmers Manufacturing Company. (See Newhouse, Ray C., assignor.)

Allison, Gustave, Perth Amboy, N. J., assignor to Columbia Salvage Corporation, New York, N. Y. Method and apparatus for salvaging artillery ammunition. 1,433,088; Apr. 14.

Amberson, William S., Waynesboro, Pa. Grinding machine. 1,533,821; Apr. 14.

American Magnesium Corporation. (See Harvey, William G., assignor.)

American Magnesium Corporation. (See Osborne, Harold H., assignor.)

American Bosch Magneto Corporation. (See Greiff, V., and Curtis, assignors.)

American Steel and Wire Company of New Jersey, The. (See Lang, Paul, assignor.)

American Telephone and Telegraph Company. (See Blackwell, Otto B., assignor.)

American Telephone and Telegraph Company. (See Eggers, Henry C. T., assignor.)

Amsler, Walter O., Pittsburgh, Pa. Annealing furnace and leer. 1,533,298; Apr. 14.

Anderson, Philip C., Rapid City, S. Dak. Scraper. 1,533,720; Apr. 14.

Ansart, Louis L., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,533,534; Apr. 14.

Anshen, Louis J., Providence, R. I. Ornamental chain. 1,533,822; Apr. 14.

Archer, Thomas P., and E. Heintz, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Window-regulator installation. 1,533,084; Apr. 14.

Armknecht, John G., Detroit, Mich. Fuel-reserve tank. 1,533,299; Apr. 14.

Armstrong, Percy A. E., Loudonville, assignor to Ludlum Steel Company, Watervliet, N. Y. Valve for internal-combustion engines. 1,533,782; Apr. 14.

Arnett, James L. Mannington, W. Va. Adjustable plastic tamping machine; 1,533,085; Apr. 14.

Arnold Electric Company. (See Pursell, Arthur T., assignor.)

Aronson, Louis V., Newark, N. J. Sparking rattle. 1,533,861; Apr. 14.

Art Lamp Manufacturing Company. (See Severus, Louis, assignor.)

Ash, Royal L., Bucyrus, Ohio, assignor of one-half to H. C. Pfund, Des Moines, Iowa. Waste-heat cooling system for periodic clay-burning kilns. 1,533,999; Apr. 14.

Atlas Powder Company. (See Grotta, Bennett, assignor.)

Atlas Powder Company. (See Shipley, S. D., and Given, assignors.)

Audibert, Marcel, Salon, France. Flower and fruit gathering pinching scissors. 1,533,535; Apr. 14.

Audiphone Company of America. (See Reynolds, De Elbert A., assignor.)

Austin Manufacturing Co. (See Wilson, F. D., and Burns, assignors.)

Averill, William H., Boston, assignor to The Carter's Ink Company, Cambridge, Mass. Inkstand. 1,533,627; Apr. 14.

Ayars, Charles H., Salem, N. J. Can-filling machine. 1,533,536; Apr. 14.

Ayers, Augustine R., Cleveland, Ohio. Locomotive construction. 1,533,902; Apr. 14.

Babin, Whitney C., Beaumont, Tex. Rotary slip. 1,533,362; Apr. 14.

Bähr, Adolph. (See Kaiser, W., and Gardels, assignors.

Bailer, Frank W., and M. Weinberg, St. Louis, Mo. Clothing-seam-pressing machine. 1,533,685; Apr. 14.

Baits, Stuart G. (See Fekete, S. L., and Baits.)

Baker, Bert C., Prairie Depot, assignor of one-third to H. Williams, one-sixth to W. C. Kinsley, and one-sixth to W. E. Orthwein, Toledo, Ohio. Laundry drier. 1,533,086; Apr. 14.

Baker, Emerson W. (See Falwell, Wray, assignor.)

Baker, Joseph, Sons and Perkins Limited. (See Prescott, W. E., and Pointon, assignors.)

Baker, R. & L., Company, The. (See Stahl, Edward J., assignor.)

Baker, Ralph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Making decorative articles. 1,533,300; Apr. 14.

Baker, Raymond H., New York, N. Y., assignor to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Ball-mill lining. 1,534,000; Apr. 14.

Balmer, Robert, Toronto, Ontario, Canada. Operation of refuse destructors and means for practicing same. 1,533,686; Apr. 14.

Balzer, Fritz, Moline, assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill. Washing Machine. 1,533,363; Apr. 14.

Barber-Colman Company. (See Hathaway, Edgar F., assignor.)

Barber-Colman Company. (See Peterson, Burt A., assignor.)

Barbey, Jacob W. (See Taylor, W. H., Downs, and Barbey.)

Barna, Andrew, New York, N. Y. Shoe. Des. 67,007; Apr. 14.

Barrott, George H., assignor to Barrott Stamping Company, Shelburne Falls, Mass. Charge vaporizer for manifold branches. 1,533,364; Apr. 14.

Barrott Stamping Company. See Barrott, George H., assignor.)

Bartholomew, James H. (See Donle, H. P., and Bartholomew.)

Bartlett Hayward Company, The. (See Freedenburg, Howard C., assignor.)

Bashian, Harry, Chicago, Ill. Gasoline gauge. 1,533,823; Apr. 14.

Bassett, Gerald L., assignor to The Conklin Pen Manufacturing Company, Toledo, Ohio. Magazine pencil. 1,533,087; Apr. 14.

Baskin, Benjamin, and A. Waisman, St. Louis, Mo. Underpresser. 1,533,783; Apr. 14.

Bater, Harold M., and C. A. Glentworth, Manchester, Mass. Trunk-rack bracket. 1,533,365; Apr. 14.

Bathé, Charles G., Alhambra, assignor of one-eighth to M. H. Watson, Los Angeles, and one-eighth to N. W. Wiedrick, Long Beach, Calif. Combined pleasure and fishing boat. 1,533,366; Apr. 14.

Baty, Charles, jr., Sacramento, Calif. Mechanical toy. 1,533,493; Apr. 14.

Baumann, Karl, Urmston, England, assignor to Westinghouse Electric & Manufacturing Company. Steam turbine. 1,533,156; Apr 14.

Baylis, Harry R., Seattle, Wash. Paper clip. 1,533,367; Apr. 14.

Beatty, William E., Bayside, assignor to Western Electric Company, Incorporated, New York, N. Y. Modulating method and apparatus. 1,533,157; Apr. 14.

Beaver Machine & Tool Company. (See Slade, Harold E., assignor.)

Beck Duplicator Company, The. (See Kenworthy, Charles A., assignor.)

Beck, Ernest T., assignor to International Silver Co., Meriden, Conn. Spoon or similar article. Des. 67,008; Apr. 14.

Beck, Kenneth H., and E. H. Blackburn, Pittsburgh, Pa. Doorstop. 1,533,687; Apr. 14.
Becker, Ernest, Green Bay, Wis., assignor of one-half to L. F. Wilson, Chicago, Ill. Protective cage for blow-off cocks. 1,533,088; Apr. 14.
Becton, Roy C., Dyer, Tenn. Mower attachment. 1,533,721; Apr. 14.
Bedford Foundry & Machine Company. (See Sohn, Edward A., assignor.)
Belknap, Charles B., Detroit, Mich. Hydrocarbon emulsion and making same. 1,533,158; Apr. 14.
Bellows, Warren S., assignor to Walden-Worcester, Inc., Worcester, Mass. Socket wrench. 1,533,784; Apr. 14.
Bellows, Warren S., East Orange, N. J., assignor to Walden-Worcester, Inc., Worcester, Mass. Wrench construction. 1,533,785; Apr. 14.
Beloud, Leon G., San Francisco, Calif. Inner boot for automobile tires. 1,533,301; Apr. 14.
Benedict, Frank, Philadelphia, Pa., assignor to General Railway Signal Company, Gates, N. Y. Railway signaling system. 1,533,357; Apr. 14.
Benjamin, Walter R., Granite City, Ill. Foot-propelled vehicle. 1,533,824; Apr. 14.
Benner, Harry P. (See Egloff, G., and Benner.)
Bentley Motors Limited. (See Burgess, Frederick T., assignor.)
Berg, Frederick A., Chicago, Ill. Nozzle. 1,533,368; Apr. 14.
Berg, Frederick O., Spokane, Wash. Separable fastener. 1,533,581; Apr. 14.
Bergen, Harry S., Toledo, Ohio. Workholding device. 1,533,089; Apr. 14.
Berggren, August, Eagle Bend, Minn. Distributor attachment to thrashing machines. 1,533,963; Apr. 14.
Bergh, Louis T., Fairoaks, Calif. Excess-pressure attachment for clamps. 1,533,688; Apr. 14.
Berman, Meyer, New York, N. Y. Shoe lace. 1,533,964; Apr. 14.
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Post-office mail-box lock. 1,533,628; Apr. 14.
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Disappearing-anchor lock. 1,533,629; Apr. 14.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Bethlehem Steel Company. (See Dawson, Thomas C., assignor.)
Bethlehem Steel Company. (See Hummel, Howard H., assignor.)
Bethlehem Steel Company. (See Kichline, F. O., and Sloyer, assignors.)
Betts, Anson G., Kinderhook, N. Y. Making refractory articles and the like. 1,533,689; Apr. 14.
Billburg, Charles, Detroit, Mich. Tourist's kit. 1,533,494; Apr. 14.
Black, Ernest W., Spokane, Wash. Electric heater. 1,533,090; Apr. 14.
Blackburn, Edward H. (See Beck, K. H., and Blackburn.)
Blackman, Mary E., Cheney, Wash. Stitch and needle guard. 1,534,001; Apr. 14.
Blackwell, Otto B., Garden City, N. Y., assignor to American Telephone and Telegraph Company. Duplex signaling system. 1,533,091; Apr. 14.
Blackwell, Thomas M., Basic City, Va. Railway-crossing gate. 1,533,722; Apr. 14.
Blakeslee, George R., executor. (See Blakeslee, George S.)
Blakeslee, George S., deceased, Oak Park, Ill.; G. R. Blakeslee, executor. Washing machine. 1,533,159; Apr. 14.
Bliss, E. W., Company. (See Thoma, Walter, assignor.)
Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread-gauge construction. 1,533,360; Apr. 14.
Blood, Harold L., Plainfield, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Switch mechanism. 1,533,370; Apr. 14.
Blunt, James G., Schenectady, N. Y. Lateral-motion appliance for locomotive driving boxes. 1,533,303; Apr. 14.
Boehringer, John A., Springfield, assignor to H. A. Safion, New York, N. Y. Pendant for lighting fixtures. Des. 67,009; Apr. 14.
Bonbright, George D. B., Rochester, N. Y. Fishhook. 1,533,092; Apr. 14.
Bongardt, Ernst, Mains-on-the-Rhine, Germany. Method and machine for mixing, conveying, and distributing concrete, mortar, and the like. 1,534,008; Apr. 14.
Bonnell, Daniel W., Philadelphia, Pa. Wing control for flying machines and safety device therefor. 1,533,786; Apr. 14.
Booth, James S., Detroit, Mich. Automobile dash and body construction. 1,533,093; Apr. 14.
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Electric receptacle. 1,533,690; Apr. 14.
Both, Tonjes A., Stratford, assignor to The Connecticut Electric Manufacturing Company, Bridgeport, Conn. Socket shell or casing. 1,533,691; Apr. 14.
Bottome, Edgar M. (See Magee, W. H., and Bottome.)
Boyd, John H., Mount Vernon, N. Y. Electric-lighting apparatus for Christmas trees and the like. 1,533,371; Apr. 14.
Boye, James H., Chicago, Ill. Curtain support. 1,533,302; Apr. 14.
Bošić, Dobrivoje, Belgrade, Yugoslavia. Accelerator. 1,533,692; Apr. 14.
Bracy, August A., Detroit, Mich. Electrically-controlled print box. 1,533,583; Apr. 14.
Bradley, Alonzo B., et al. (See Richardson, H. F., and Coggeshall, assignors.)
Bradley, S. B., et al. (See Richard, H. F., and Coggeshall, assignors.)
Brandes, C., Inc. (See Brigham, Cecil E., assignor.)
Brannen, Bert, Keyser, W. Va. Journal-box lift. 1,533,965; Apr. 14.
Breese & Bettle, Inc. (See Breese, James L., jr., assignor.)
Breese, James L., jr., assignor to Breese & Bettle, Inc., Chicago, Ill. Combined house-heating and domestic-water-heating system. 1,533,630; Apr. 14.
Brenzinger, Julius, Fairfield, and P. H. Lange, assignors to The Max Ams Machine Company, Bridgeport, Conn. Ejecting mechanism for hollow bodies. 1,533,537; Apr. 14.
Brigham, Cecil E., East Orange, N. J., assignor to C. Brandes, Inc., New York, N. Y. Loud speaker. 1,533,372; Apr. 14.
Brisbois, Odilon, Chicago, Ill. Starting mechanism for automobiles. 1,533,373; April 14.
Britton, Ernest C., Schenectady, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,533,693; Apr. 14.
Brixey, Austin D., Greenwich, Conn., assignor to The Replitura Corporation. Projected-light picture screen. 1,533,374; Apr. 14.
Brooklyn Fibre Syndicate, Inc. (See Stella, J., and Wisser, assignors.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,534,002; Apr. 14.
Brown, B. E., & Co. (See Brown, Thomas H., assignor.)
Brown, Leon M., Spokane, Wash. Gradometer. 1,533,723; Apr. 14.
Brown, Raymond M. (See Lindner, Arthur, assignor.)
Brown, Thomas H., assignor to E. E. Brown & Co., Inc., Philadelphia, Pa. Core-forming apparatus. 1,533,375; Apr. 14.
Brown, William. (See Crosse, E., Brown, and Lens.)
Brownell, Frederick J., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,533,376; Apr. 14.
Browning, John M., Ogden, Utah. Automatic rifle. 1,533,966; Apr. 14.
Browning, John M., Ogden, Utah. Automatic rifle. 1,533,967; Apr. 14.
Browning, John M., Ogden, Utah. Automatic rifle. 1,533,968; Apr. 14.
Brownlee, James, Newark, N. J. Toy. 1,533,631; Apr. 14.
Bruback, Theodore M. (See Linaker, F. W., and Bruback.)
Bruce, Alfred W., New York, N. Y. Speed-control appliance for fluid-pressure engines. 1,533,304; Apr. 14.
Bruffee, Archer E., Portland, Oreg. Egg separator. 1,533,377; Apr. 14.
Brush Washing Machine Company, The. (See Howe, Chester C., assignor.)
Buckeye Traction Ditcher Company, The. (See Yocum, Charles F., assignor.)
Buckner, Leon, New York, N. Y. Two-part heel. 1,533,160; Apr. 14.
Buehler, Randolph J., South Bend, Ind. Valve-controlled oil burner. 1,533,094; Apr. 14.
Bulewich, Joseph, Palmer, and J. Nosarzewski, Chicopee, Mass. Automatic signaling device. 1,533,095; Apr. 14.
Bullinger, Frederic H., Yonkers, N. Y., assignor to Ward Leonard Electric Company. Resistance unit. 1,533,096; Apr. 14.
Bulova, Adolph, New York, N. Y. Tag for wrist watches. Des. 67,010; Apr. 14.
Bunkers, Joseph F., Remsen, Iowa. Swinging closure. 1,533,378; Apr. 14.
Bunte, Emil C., Portland, Oreg. Smoking appliance. 1,533,379; Apr. 14.
Burdick, Ralph M. (See Eilers, Hio P., assignor.)
Burgess, Frederick T., assignor of one-half to Bentley Motors Limited, London, England. Brake for motor vehicles. 1,534,009; Apr. 14.
Burke, William J. (See Marshall, B. A., and Burke.)
Burkhart, Jacob, Elmhurst, Pa. Combination hair comb and barrette. 1,533,380; Apr. 14.
Burn, Robert J., Croydon, near Sydney, New South Wales, Australia. Automatic resetting trolley carrier for electric street cars. 1,533,161; Apr. 14.
Burnett, William J., Thomasville, Ga. Plow. 1,533,825; Apr. 14.
Burns, Leonard S. (See Wilson, F. D., and Burns.)
Burton, Charles H., Washington, D. C. Tool for cutting tongued boarding. 1,533,805; Apr. 14.
Burton, Edward L., Sandwich, Ill. Portable drill. 1,533,381; Apr. 14.
Busha, Leon, Minneapolis, Minn. Strip shingle. 1,533,969; Apr. 14.
Butorac, Frank, Seattle, Wash. Automatic derail signal. 1,533,632; Apr. 14.
Butterfield, Daniel J., Los Angeles, Calif. Check-controlled apparatus. 1,533,538; Apr. 14.

Butterworth, Samuel D., Lansing, Mich. Doorlock. 1,533,826; Apr. 14.
Byhre, Christian, Halleck, Calif. Bevel square. 1,533,097; Apr. 14.
C. G. Haubold A. G., Firm. (See Tandel, Fritz, assignor.)
C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)
C. H. & D. Electric Company. (See Jensen, Victor G., assignor.)
Cady, Elisha J. (See Tauts, Herbert E., assignor.)
Caldwell, Frank W., Dayton, Ohio. Thrust meter. 1,533,806; Apr. 14.
Camel Company. (See Tobin, K. J., and Darrow, assignors.)
Campbell, Charles, New York, N. Y. Typewriter ribbon. 1,533,382; Apr. 14.
Campbell, Donald J., Muskegon Heights, Mich. Molding apparatus. 1,533,220; Apr. 14.
Campbell, Donald J., Muskegon Heights, Mich. Sand-molding apparatus. 1,533,221; Apr. 14.
Campbell, Donald J., Muskegon Heights, Mich. Molding-sand-handling machine. 1,533,383; Apr. 14.
Campbell, Milton D., and H. C. Heisey, assignors to The Perkins-Campbell Company, Cincinnati, Ohio. Covering for tires. 1,533,970; Apr. 14.
Canfield, Arthur J., Chicago, Ill., and E. R. Viberg, Montreal, Quebec, Canada. Metal car roof. 1,533,384; Apr. 14.
Canter, Vernon C. (See Doress, C. L., Canter, and Skoog.)
Carey, Edward L., Brooklyn, N. Y. Hurdle. 1,533,633; Apr. 14.
Carmean, James H. (See Carmean, Samuel M. and J. H.)
Carmean, Samuel M. and J. H., Kansas City, Mo. Electric heater. 1,533,098; Apr. 14.
Carr, Walter S., Dayton, Ohio. Cooling system for internal-combustion engines. 1,533,827; Apr. 14.
Carroll, Robert E., Duluth, Minn. Square-corner glue joint. 1,533,099; Apr. 14.
Carter's Ink Company, The. (See Averill, William H., assignor.)
Carufel, Louis H., Minneapolis, Minn. Stencil. 1,533,584; Apr. 14.
Carvalho, Leslie R. N., assignor to The Closure Service Company, Toledo, Ohio. Receptacle closure. 1,533,385; Apr. 14.
Cashko Machine Company. (See Schimek, Joseph F., assignor.)
Cashman, Dennis F., Dayton, Ohio. Control mechanism. 1,533,222; Apr. 14.
Castracane, Luigi, New York, N. Y. Surgical knife. 1,533,971; Apr. 14.
Catlett, John E., San Francisco, Calif. Cleaning and polishing composition. 1,533,386; Apr. 14.
Central Trading Company. (See Klingbell, Gottlieb L. E., assignor.)
Chainless Knitting Machine Corp. (See Kotkovsky, B., Luter, and Dubi, assignors.)
Chapman, Alonzo E., Los Angeles, Calif. Sustained explosion gas engine. 1,533,387; Apr. 14.
Chapman, Frank C., Modesto, Calif. Dehydrator for nuts and the like. 1,533,388; Apr. 14.
Chapman, George A., Minneapolis, Minn. Map holder. 1,533,696; Apr. 14.
Chellman, Harry R. L., Mount Oliver, Pa. Toy river boat. 1,533,634; Apr. 14.
Cheesman, Alexander, Chicago, Ill. Writing device. 1,533,162; Apr. 14.
Christianson, Andrew, Butler, Pa. Door-latching mechanism. 1,533,828; Apr. 14.
Chubb, Lewis W., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. System of control. 1,533,223; Apr. 14.
Chudoba, Frank F., Glastonbury, Conn., assignor by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va. Felt shrinking. 1,533,848; Apr. 14.
Cincinnati Shape Company, The. (See Haselton, Robert T., assignor.)
Citizens of the United States of America. (See Tiemann, Harry D.)
Clapp, Albert L., assignor to The Flintkote Company, Boston, Mass. Waterproofed fibrous material. 1,533,100; Apr. 14.
Clark, George H., Brooklyn, N. Y. Circuit-breaking terminal. 1,533,972; Apr. 14.
Clark, Leland V. (See Wheatley, R. H., and Clark.)
Clarke, Ira M., New Martinsville, W. Va. Relish plate. Des. 67,011; Apr. 14.
Clarke-James, William H., London, England. Fitting for connecting together parts of wooden structures and the like. 1,533,724; Apr. 14.
Class, John F., Dayton, Ohio. Apparatus for generating medicinal fumes and applying the same to the body of a patient. 1,533,829; Apr. 14.
Clausen, Henry P., Mamaroneck, and C. L. Goodrum, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,533,163; Apr. 14.
Cleveland, Henry P., New York, N. Y. Uniting pieces of certain alloys to one another or to other metals or alloys, a flux for use therein, and the product thereof. 1,533,539; Apr. 14.
Closure Service Company, The. (See Carvalho, Leslie R. N., assignor.)
Cochran, Joseph E., Chicago, Ill., assignor of one-half to E. T. Crawford, Charleston, W. Va. Molding monuments and the like from plastic material. 1,533,830; Apr. 14.
Coen Co. (See Voorheis, Joseph T., assignor.)
Coggeshall, Allan. (See Richardson, H. F., and Coggeshall.)
Coggeshall, Allan, et al. (See Richardson, H. F., and Coggeshall, assignors.)
Cohen, Samuel, and S. Kilberg, Brooklyn, N. Y. Quilted waterproof pad. 1,533,973; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric resistance furnace. 1,533,224; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature regulator. 1,533,225; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Street-car heater. 1,533,226; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Street-car heater. 1,533,227; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace resistor support. 1,533,228; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric flat-iron. 1,533,229; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric soldering iron. 1,533,230; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace resistor. 1,533,231; Apr. 14.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,533,232; Apr. 14.
Colchin, Frederick J., Decatur, Ind. Doorcheck. 1,533,831; Apr. 14.
Cole, Lyndon C., O. Pabst, and C. May, Hamilton, Ohio, assignors to Niles-Bement-Pond Company, New York, N. Y. Multiple drill. 1,533,389; Apr. 14.
Coleman, Frank, Derby, England. Apparatus for heating bitumen, tar, and other substances. 1,533,390; Apr. 14.
Collins, Andrew G., Detroit, Mich. Composition for white shoe dressing. 1,533,164; Apr. 14.
Columbia Salvage Coporation. (See Allison, Gustave, assignor.)
Columbia Salvage Corporation. (See Welch, Augustine W., assignor.)
Combination Machine Company. (See Peterson, J., and Thom, assignors.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 67,012; Apr. 14.
Con-Den-Rit Radiant Log Corporation, The. (See Conroy, James P., assignor.)
Conklin Pen Manufacturing Company, The. (See Bassett, Gerald L., assignor.)
Conlan, Sidney L., and H. F. Plough, Inglewood, Calif. Green-fruit brace. 1,533,695; Apr. 14.
Conlan, Sidney L., Oakland, and H. F. Plough, Inglewood, Calif. Fruit-box brace. 1,533,696; Apr. 14.
Connecticut Electric Manufacturing Company, The. (See Both, Tonjes A., assignor.)
Connecticut Telephone & Electric Company, The. (See Donie, H. P., and Bartholomew, assignors.)
Conroy, James P., East Orange, assignor to The Con-Den-Rit Radiant Log Corporation, Perth Amboy, N. J. Radiant gas log. 1,533,391; Apr. 14.
Cook, John H., Salt Lake City, Utah. Window scaffold. 1,533,832; Apr. 14.
Corado, Edward C., Boston, Mass. Burner. 1,533,833; Apr. 14.
Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Type-bar rest. 1,533,392; Apr. 14.
Corcoran, Cornelius B., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,533,585; Apr. 14.
Cordt, Hugo, assignor to Carl Lindström Aktiengesellschaft, Berlin, Germany. Printing mechanism for Thomas calculating machines having key adjustment. 1,533,393; Apr. 14.
Cornell, Chauncey A. (See Purdy, E. T., and Cornell.)
Costello, Michael, Jersey City, N. J. Fire-alarm apparatus. 1,533,394; Apr. 14.
Cox, George W., jr., assignor to National Assorting Company, Washington, D. C. Sorting machine. 1,533,697; Apr. 14.
Cox, George W., jr., assignor to National Assorting Company, Washington, D. C. Sorting machine. 1,533,698; Apr. 14.
Craigen, William G., Aberdeen, Scotland. Game. 1,533,540; Apr. 14.
Crampton, Basil R. (See Winters, A. F., and Crampton.)
Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Dashpot mounting. 1,533,101; Apr. 14.
Crawford, Ellis T. (See Cochran, Joseph E., assignor.)
Crozier, A. M., et al. (See Richardson, H. F., and Coggeshall, assignors.)

Crescio, Louis C., assignor of one-half to L. Malatesta, New York, N. Y. Multiple-standard micrometer. 1,533,787; Apr. 14.

Crichton, Leslie N., Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic cut-out for electric irons. 1,533,233; Apr. 14.

Crompton & Knowles Loom Works. (See Robertson, William W., assignor.)

Cross, Milton O., Detroit, Mich. Indexing gears. 1,533,165; Apr. 14.

Cross, Robert J., Mayfield, Calif. Bookbinding. 1,533,102; Apr. 14.

Crosse, Earl, Council Bluffs, Iowa; W. Brown, Omaha, Nebr., and C. Lenz, Council Bluffs, Iowa. Shade and curtain bracket. 1,533,295; Apr. 14.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Plate for lighting fixtures. Des. 67,013; Apr. 14.

Crowell, Frank S., assignor to The Edward N. Riddle Co., Toledo, Ohio. Lighting fixture. Des. 67,014; Apr. 14.

Culbertson, Edward A., Wichita, Kans. Pump. 1,533,103; Apr. 14.

Cullinane, William, Bristol, England. Hencoop and the like. 1,533,834; Apr. 14.

Curran, Jerome P., Toledo, Ohio. Bottle. Des. 67,015; Apr. 14.

Curran, Jerome P., Toledo, Ohio. Bottle. Des. 67,016; Apr. 14.

Curtis, Leslie F. (See Greiff, V., and Curtis.)

Curtis, Lewis B., Bridgeport, Conn. Safety device for automobiles. 1,533,635; Apr. 14.

Curtis Lighting, Incorporated. (See Pridmore, J. E. O., and McKinnie, assignors.)

Dabney, Lillian M., Kansas City, Kans. Fan. 1,533,396; Apr. 14.

Dakin, Franklin W. (See Mohr, Oscar H., assignor.)

Dakota Cooler Corporation. (See Johnson, Anton, assignor.)

Daly, Harry A., Philadelphia, Pa. Concrete step. 1,533,166; Apr. 14.

Damiano, Domenico, assignor to Damiano Tide and Stream Water Power Company, Boston, Mass. Tide-water power plant. 1,533,234; Apr. 14.

Damiano Tide and Stream Water Power Company. (See Damiano, Domenico, assignor.)

Darrow, William W. (See Tobin, K. J., and Darrow.)

Dathan, William F., Glencoe, Ill. Toy vehicle. 1,533,167; Apr. 14.

Davenport, Fred M., Los Angeles, Calif. Sash or screen lock. 1,533,725; Apr. 14.

Davidson, Eli, Chelsea, Mass. Music holder. 1,533,235; Apr. 14.

Davis, Benjamin F., Plainview, Tex. Combination lifter. 1,533,726; Apr. 14.

Davis Brake Beam Company. (See Fowler, William E., jr., assignor.)

Davis, Charles A., and H. L. McCloy, Stauffer, Pa. Cover for springs. 1,533,397; Apr. 14.

Davis, Charles H., jr., Petersburg, Va. Engine-starting system. 1,533,104; Apr. 14.

Davis, Harvey N. (See Loewenstein, L. C., and Davis.)

Davis, Selden S., South Pasadena, Calif. Valve lifter. 1,533,307; Apr. 14.

Davis, Selden S., South Pasadena, Calif. Spark plug. 1,533,308; Apr. 14.

Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 67,017; Apr. 14.

Davis, Vernon, Franklinville, N. Y. Portable saw. 1,533,974; Apr. 14.

Dawley, Clarence A., Plainfield, N. J. Separator and trap. 1,533,835; Apr. 14.

Dawson, Thomas C., assignor to Bethlehem Steel Company, Bethlehem, Pa. Locally heat-treating hardened-steel articles. 1,533,236; Apr. 14.

Day, Alfred C., Melbourne, Victoria, Australia. Electrical switch mechanism. 1,533,699; Apr. 14.

Day, Elisabeth, Chicago, Ill. Collapsible box or the like. 1,533,636; Apr. 14.

Dearsley, Irwin E., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,533,168; Apr. 14.

De Cosmo, Joseph, Neuilly sur Seine, France. Two-stroke explosion engine. 1,533,727; Apr. 14.

De Laval Separator Company, The. (See Forsberg, Erik A., assignor.)

De Laval Separator Company, The. (See Hapgood, Cyrus H., assignor.)

Demarest, Thomas W., Chicago, Ill. Journal-box lubricator. 1,533,637; Apr. 14.

Denaro, James, Cambridge, Mass. Edible container. Des. 67,018; Apr. 14.

Dene, Charles A., Lambertville, N. J. Gauge or leveling device for electric or other drills. 1,533,975; Apr. 14.

Deppeler, John H., Weehawken, assignor to Metal and Thermit Corporation, Chrome, N. J. Heater. 1,533,788; Apr. 14.

Derby, John H., New York, N. Y. Electric liquid-heating apparatus. 1,533,541; Apr. 14.

Derby, John H., New York, N. Y. Signal transmitter. 1,533,542; Apr. 14.

Derk, Joseph, Philadelphia, Pa. Table scarf. Des. 67,019; Apr. 14.

Derman, George W., and J. A. Monighan, Sacramento, Calif. Safety-lock faucet. 1,533,398; Apr. 14.

Desenne, Georges, Courbevoie, France. Automatic recorder for machine output. 1,533,586; Apr. 14.

Deutsche Telephonwerke, G. m. b. H. (See Fassbender, H., and Habann, assignors.)

Devolld, Orian F., Bartlesville, Okla. Oil pump. 1,533,976; Apr. 14.

Dibble, Carroll W., and M. Phillips, Portland, Oreg., assignors of one-fifth to J. T. Loofbourow, one-fifth to J. G. Meeks, and one-fifth to E. D. Howe. Card-registering machine. 1,533,700; Apr. 14.

Di Bernardi, John, East Lynn, Mass. Condiment holder. 1,533,582; Apr. 14.

Dinges, Carson. (See Hinkel, Hobart M., assignor.)

Dobson, John V., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brush holder. 1,533,237; Apr. 14.

Doelle, Edward C., and E. J. Eggert, St. Paul, Minn.; said Doelle assignor to said Eggert. Water heater. 1,533,495; Apr. 14.

Doge, Fred W., Creston, Iowa. Egg carrier. 1,533,836; Apr. 14.

Dollar, Peter J., Green Bay, Wis. Headlight. 1,533,496; Apr. 14.

Donaghy, Elisabeth. (See Marty, Benjamin F., assignor.)

Donle, Harold P., and J. H. Bartholomew, assignors to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Igniter governor. 1,534,003; Apr. 14.

Donner, Vyvyan E., New York, N. Y. Sign for advertising and other display. 1,533,789; Apr. 14.

D'Onofrio, Frank, Wilmington, Del. Figure toy. 1,533,543; Apr. 14.

Donohue, Robert D., New York, N. Y. Flower-wearing device. 1,533,169; Apr. 14.

Dosch, Oliver L., Elizabeth, N. J., assignor to The Singer Manufacturing Company. Power table. 1,533,170; Apr. 14.

Douglas, Elizabeth J., Crete, Nebr. Mail-delivery vehicles. 1,533,837; Apr. 14.

Douglas, John, Company, The. (See McNeil, Daniel W., assignor.)

Dowd, Andrew D., Hoboken, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,533,171; Apr. 14.

Downs, Charles W. (See Taylor, W. H., Downs, and Barbey.)

Doyle, James S. (See Hedley, F., and Doyle.)

Dräger, Alexander B., Lubeck, Germany. Breathing bag for self-contained breathing apparatus. 1,533,172; Apr. 14.

Draper Corporation. (See Brown, Carl D., assignor.)

Draper Corporation. (See Rhoades, Alonso E., assignor.)

Drenk, Henry F., Riverside, N. J. Apparatus for separating and unraveling yarns of knitted fabrics. 1,533,728; Apr. 14.

Dubi, Boris. (See Kotkovsky, B., Luter, and Dubi.)

Dubilier Condenser and Radio Corporation. (See Van Deventer, Harry E., assignor.)

Duguay, William, Lowell, Mass. Padlock. 1,533,838; Apr. 14.

Dulits, Adolf, Hirschberg, assignor to "Flaka" Flaschen-Kappen-Gesellschaft, m. b. H., Berlin-Charlottenburg, Germany. Sealing cap and the manufacture thereof. Re16,042; Apr. 14.

Duncan, Sidney M., assignor of one-half to E. G. Alley, Chattanooga, Tenn. Card-oiling machine. 1,533,977; Apr. 14.

Dunham, Clayton A., Glencoe, assignor to Dunhameter Corporation, Chicago, Ill. Automobile step plate. Des. 67,020; Apr. 14.

Dunhameter Corporation. (See Dunham, Clayton A., assignor.)

Dunlap, Robert H., Washington, D. C. Transmitting power. 1,533,399; Apr. 14.

Dunston, Wayne E., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Clamp for an automobile bumper. Des. 67,021; Apr. 14.

Durborow, William E., Columbia, Pa. Safety device for gasoline tanks. 1,533,309; Apr. 14.

Durborow, William E., Columbia, Pa. Safety device for gasoline-storage tanks. 1,533,587; Apr. 14.

Dutcher, Pierpont E., Upper Montclair, N. J. Golf club. 1,533,638; Apr. 14.

Dymock, Raymond, Hamburg, N. J. Internal brake. 1,533,790; Apr. 14.

Eaton, George H., Sheffield, assignor of one-half to Herbert Terry & Sons, Limited, Redditch, Worcestershire, England. Clearing glass windscreens and the like. 1,533,238; Apr. 14.

Eberhard Manufacturing Co., The. (See Schleicher, William A., assignor.)

Eckelman, Frederick C., New York, N. Y. Lock-controlled cut-off. 1,533,978; Apr. 14.

Economy Fuse & Manufacturing Company. (See Hartmann, Povl, assignor.)

Egeland, Rector, Chicago, Ill. Process and apparatus for cracking hydrocarbons. 1,533,839; Apr. 14.

Eggers, Henry C. T., Minneapolis, Minn., assignor to American Telephone and Telegraph Company. Electric signaling. 1,533,105; Apr. 14.

Eggert, Edward J. (See Doelle, E. C., and Eggert.)

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Distillation apparatus. 1,533,178; Apr. 14.

Ehn, Erik W., assignor to The Timken Roller Bearing Company, Canton, Ohio. Quenching apparatus. 1,533,639; Apr. 14.

Ehrhardt, Irwin, Hermsdorf, near Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Seemensstadt, near Berlin, Germany. Typeprinting telegraph. 1,533,729; Apr. 14.

Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Condenser. 1,533,840; Apr. 14.

Ehrlich, Herman, Chicago, Ill. Presser form. 1,534,013; Apr. 14.

Eilers, Hio P., assignor to R. M. Burdick, Los Angeles, Calif. Piston-lining device. 1,533,791; Apr. 14.

Electric Arc Cutting & Welding Company. (See Livermore, Henry W., assignor.)

Electrical Seal Company, The. (See Paulen, Percy H., assignor.)

Elliott Company. (See Ehrhart, Raymond N., assignor.)

Elliott Company. (See Paterno, Charles V., assignor.)

Elliott Company. (See Walker, William H., assignor.)

Ellis, Elmer E., Pomona, Calif. Tile-mounting device. 1,533,588; Apr. 14.

Engler, Richard A., New York, N. Y. Telephone transmitter. 1,533,730; Apr. 14.

English & Mersick Co., The. (See Greene, Frederick E., assignor.)

Erdosy, John, Philadelphia, Pa. Hot-air and vapor bath device. 1,533,174; Apr. 14.

Erson, Carl J., assignor of one-half to N. J. Veline, Minneapolis, Minn. Direction indicator. 1,533,841; Apr. 14.

Eschholz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Ornamental arc welding. 1,533,239; Apr. 14.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Euler, Frank M., Irvington, N. J. Spark plug. 1,533,979; Apr. 14.

Evanuk, Michael, New York, N. Y. Harrow. 1,533,701; Apr. 14.

Ewoldt, Theodore, Holstein, and J. A. Hansen, Kingsley, Iowa. Sanitary laying, setting, and hatching nest and brooding coop. 1,533,792; Apr. 14.

Fahrenwald, Frank A., Cleveland Heights, Ohio. Electric heating device. 1,533,175; Apr. 14.

Failla, Gioacchino, New York, N. Y. Stopcock. 1,533,793; Apr. 14.

Failla, Gioacchino, New York, N. Y. Process and apparatus for collecting radium emanation. 1,533,794; Apr. 14.

Falwell, Wray, assignor to E. W. Baker, Fitchburg, Mass. Air-regulating attachment for carburetors. 1,533,980; Apr. 14.

Fants, Fred C., and H. G. Hill, Port Arthur, Tex., assignors to The Texas Company, New York, N. Y. Relief valve. 1,533,640; Apr. 14.

Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Interlock device. 1,533,310; Apr. 14.

Fassbender, Heinrich, Charlottenburg, and E. Habann, assignors to Deutsche Telephonwerke, G. m. b. H., Berlin, Germany. Telephone and telegraph system with amplifiers. 1,533,842; Apr. 14.

Feiner, Israel, Brooklyn, N. Y. Automobile bumper. 1,534,010; Apr. 14.

Fekete, Stephen I., and S. G. Baits, assignors to Hudson Motor Car Company, Detroit, Mich. Transmission for automobiles. 1,533,641; Apr. 14.

Fell, Roy C., et al. (See Jungferman, Joseph, assignor.)

Ferguson, Ora A., Tulsa, Okla. Burner for gas stoves. 1,533,909; Apr. 14.

Ferlin, John J. (See Zanon, Remo C., assignor.)

Ferns Emulsifiers Ltd., The. (See Ferns, Ethel M., assignor.)

Ferns, Ethel M., assignor to The Ferns Emulsifiers Ltd., London, England. Adjustable centrifugal machine for emulsifying. 1,533,843; Apr. 14.

Feustman, Leon P., Harrison, assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Internal-combustion engine. 1,533,642; Apr. 14.

Fickert, Gustav R., Hoboken, N. J. Belt-length calculator. 1,533,981; Apr. 14.

Finn, Jos. I. (See Steele, Charles G., assignor.)

Firestone Tire and Rubber Company, The. (See Hough, William C., assignor.)

Firestone Tire and Rubber Company, The. (See Maranville, Harvey F., assignor.)

Firkins, Alonzo A., Rolfe, Iowa. Radiator protector. 1,533,982; Apr. 14.

Fisher, William G., Sunbury, Pa. Shuttle guard for looms. 1,533,400; Apr. 14.

Fitz Gibbon & Crisp, Inc. (See Herron, Joseph D., assignor.)

"Flaka" Flaschen-Kappen-Gesellschaft m. b. H. (See Dulits, Adolf, assignor.)

Flamm, John H., Baltimore, Md. Safety device. 1,533,983; Apr. 14.

Fletcher, Harvey, assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,533,311; Apr. 14.

Flintkote Company, The. (See Clapp, Albert L., assignor.)

Foans, Andrew B., New York, N. Y. Race game. 1,533,795; Apr. 14.

Fokker, Anthony H. G., Amsterdam, Netherlands. Location of benzine tanks in aeroplanes. 1,533,312; Apr. 14.

Foley, Joseph W., Los Angeles, Calif. Auto shade. 1,533,731; Apr. 14.

Folland, Henry P., and H. E. Preston, assignors to themselves and The Gloucestershire Aircraft Company, Limited, Cheltenham, England. Shock absorber suitable for use on aircraft. 1,533,844; Apr. 14.

Forbes, John S., Overbrook, Pa. Heater. 1,533,845; Apr. 14.

Forman, Paris R., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Door-shoe construction. 1,533,106; Apr. 14.

Forsberg, Erik A., Stockholm, Sweden, assignor, by mesne assignments, to The De Laval Separator Company, New York, N. Y. Centrifugal separator bowl to facilitate the removal of slime therefrom. 1,533,313; Apr. 14.

Forshee, Frank F., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Hot table. 1,533,240; Apr. 14.

Forshee, Frank F., Flint, Mich., assignor to Westinghouse Electric Products Company. Toaster heating unit. 1,533,241; Apr. 14.

Forsythe, Paul J., Eldorado, Kans. Signal. 1,533,846; Apr. 14.

Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Method and apparatus for preventing armature-coil heating. 1,533,242; Apr. 14.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Securing brake-beam support to trucks. 1,534,004; Apr. 14.

Fox, Daniel S., Ivoryton, Conn. Reamer. 1,533,314; Apr. 14.

Fox, William J., assignor to James R. Kendrick Co., Inc., Philadelphia, Pa. Fabric and producing same. 1,533,544; Apr. 14.

Franck, Maurice. (See Lutton, William J., assignor.)

Franklin Pottery. (See Schweiker, Roy W., assignor.)

Franklin Railway Supply Company. (See Osborne, L. E., and Lower, assignors.)

Franklin Simon & Co. (See Davis, Taube, assignor.)

Frantz, L., Oscar. (See Grant, Melville M., assignor.)

Freedenburg, Howard C., assignor to The Bartlett Hayward Company, Baltimore, Md. Charging apparatus. 1,533,847; Apr. 14.

Freeman, Lewis C. (See Schlatter, M., and Freeman.)

Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)

Fritz, Adolph H., assignor to Union Hardware Company, Torrington, Conn. Roller skate. 1,533,848; Apr. 14.

Frogge, Virgil M., Centralia, Mo. Animal trap. 1,533,589; Apr. 14.

Frood, Herbert, Sovereign Mills, Chapel-en-le-Frith, England. Laminated spring. 1,533,984; Apr. 14.

Frost, Rupert L., Cincinnati, assignor of one-half to E. P. Pinkston, Norwood, Ohio. Spray and wash rubber glove. 1,533,732; Apr. 14.

Fuhrmann, Henry W. A. (See Kane, J. I., and Fuhrmann.)

Galassi, Ernest, Brooklyn, N. Y. Bumper for motor vehicles. 1,533,985; Apr. 14.

Gale, Etta F., Toronto, Ontario, Canada. Locking device for hinges. 1,533,401; Apr. 14.

Galterio, Elia, Denver, Colo. Bandit trap. 1,533,243; Apr. 14.

Gardeia, Rudolph. (See Kaiser, W., and Gardeia.)

Gauger, Frank A., and E. W. Johnson, assignors to Milwaukee Gas Specialty Company, Milwaukee, Wis. Lighter 1,533,643; Apr. 14.

Gebhardt, George C., Milliston, Wis. Cranberry harvester. 1,533,644; Apr. 14.

Gehman, Harry, Philadelphia, Pa. Dustpan. 1,533,849; Apr. 14.

Geier, James, Troy, N. Y. Convertible level and transit. 1,533,545; Apr. 14.

Geissinger, Harry G., Detroit, Mich., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Car-heating system. 1,533,176; Apr. 14.

Gendron, Frank, Detroit, Mich. Multiple valve. 1,533,177; Apr. 14.

General Electric Company. (See Abbot, Charles G., assignor.)

General Electric Company. (See Britton, Ernest C., assignor.)

General Electric Company. (See Givens, Albert L., assignor.)

General Electric Company. (See Hall, Chester I., assignor.)

General Electric Company. (See Le Count, George E., assignor.)

General Electric Company. (See Loewenstein, L. C., and Davis, assignors.)

General Electric Company. (See Merrill, Wilbur L., assignor.)

General Electric Company. (See Warren, Henry E., assignor.)

General Railway Signal Company. (See Benedict, Frank, assignor.)
Genest, Homer A., Hartford, Conn., assignor, by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va. Felt shrinking. 1,533,346; Apr. 14.
Genest, Homer A., Hartford, Conn., assignor, by mesne assignments, to United States Hat Machinery Corporation, Richmond, Va. Felt shrinking. 1,533,349; Apr. 14.
Genest, Homer A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,533,350; Apr. 14.
Genest, Homer A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Shrinking, etc., felt articles. 1,533,351; Apr. 14.
Gentry, Jefferson F., assignor of one-sixth to N. Massa and one-sixth to A. M. Johnson, Cookeville, Tenn. Perforating attachment for printing presses. 1,533,986; Apr. 14.
Genuit, Edward H., Napoleon, Ohio. Stock feeder. 1,533,796; Apr. 14.
Gerla, Bernard, New York, N. Y. Concealed clasp. 1,533,702; Apr. 14.
Germond, Henry S., jr., Bayonne, N. J. Portable elevator. 1,533,987; Apr. 14.
Gesellschap, Charles, jr., assignor to Grassler & Gesellschap, Milwaukee, Wis. Lighting fixture. Des. 67,022; Apr. 14.
Gibson, Edgar, Bigtimber, Mont. Railway-crossing guard. 1,533,850; Apr. 14.
Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Artificial electric line. 1,533,178; Apr. 14.
Gilbert, John J., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Submarine signaling system. 1,533,645; Apr. 14.
Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Trick match box. 1,533,402; Apr. 14.
Gillett, Charles E., assignor to Norton Company, Worcester, Mass. Grading machine. 1,534,014; Apr. 14.
Gillum, Clara P., Los Angeles, Calif. Wash cloth. 1,533,733; Apr. 14.
Ginter, Paul A., Toledo, Ohio. Bottle. Des. 67,023; Apr. 14.
Ginter, Paul A., Toledo, Ohio. Bottle. Des. 67,024; Apr. 14.
Ginter, Paul A., Toledo, Ohio. Bottle. Des. 67,025; Apr. 14.
Ginter, Paul A., Toledo, Ohio. Bottle. Des. 67,026; Apr. 14.
Giometti, Carl J., Corning, N. Y. Signal lamp. Des. 67,027; Apr. 14.
Given, Guy C. (See Shipley, S. D., and Given.)
Givens, Albert L., Fort Wayne, Ind., assignor to General Electric Company. Refrigerator. 1,533,646; Apr. 14.
Gladacres Incorporated. (See Thompson, James A., assignor.)
Glentworth, Clarence A. (See Bater, H. M., and Glentworth.)
Globe Register Co., The. (See Konerman, H. H., and Leimberger, assignors.)
Globe Register Company, The. (See Konerman, Harry H., assignor.)
Gloucestershire Aircraft Company. (See Folland, H. P., and Preston, assignors.)
Glover, James S., Elbridge, Tenn. Boll-weevil destroyer. 1,533,851; Apr. 14.
Godefroid, Armand, Berlin, Germany. Coin-assorting apparatus. 1,533,244; Apr. 14.
Godwin, Arthur M., assignor to Wolverine Bumper & Specialty Company, Grand Rapids, Mich. Bumper for vehicles. 1,533,988; Apr. 14.
Goelitz, Henry G., et al. (See Purnell, Lemuel H., assignor.)
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Wire switch. 1,533,179; Apr. 14.
Goldberg, Benjamin, New York, N. Y. Hat support. 1,533,403; Apr. 14.
Goldberg, Solomon H., Chicago, Ill. Machine for counting, arranging, and packaging hairpins or like articles. 1,533,180; Apr. 14.
Good, John, Garden City, assignor to Good Inventions Co., New York, N. Y. Burner carburetor combination. 1,533,107; Apr. 14.
Good Inventions Co. (See Good, John.)
Goodrich, B. F., Company, The. (See Robb, Arthur A., assignor.)
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,533,181; Apr. 14.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,533,182; Apr. 14.
Goodrum, Charles L. (See Clausen, H. P., and Goodrum.)
Goodyear Tire & Rubber Company, The. (See Kilborn, Karl B., assignor.)
Götze, Otto, Messingwerk, near Eberswalde, assignor to Hirsch, Kupfer- und Messingwerke Aktien Gesellschaft, Berlin, Germany. Chill mold. 1,533,734; Apr. 14.
Gougler, Clyde J., Tulsa, Okla. Tubular-drilling-derrick assembly. 1,533,590; Apr. 14.
Graham, Kemp S., assignor to The Orinoka Mills, Philadelphia, Pa. Jacquard-card-punching machine. 1,533,852; Apr. 14.
Grant, Florence L., Chicago, Ill., assignor, by mesne assignments, to The Miller Company, Meriden, Conn. Lighting globe. Des. 67,028; Apr. 14.
Grant, Melville M., assignor of one-half to L. O. Frantz, Alliance, Ohio. Grapple. 1,533,853; Apr. 14.
Grassler & Gesellschap. (See Gesellschap, Charles, jr., assignor.)
Gray, Eugene D., Harrison, Me. Game apparatus. 1,533,854; Apr. 14.
Green, David H., San Francisco, Calif. Emergency control valve. 1,533,404; Apr. 14.
Greenabaum, Alexander L., Chicago, Ill., assignor to O. E. Jordan Company, East Chicago, Ind. Railway construction and maintenance cars. 1,533,183; Apr. 14.
Greenawalt, John E., New York, N. Y. Sintering apparatus. 1,533,108; Apr. 14.
Greenawalt, John E., New York, N. Y. Sintering apparatus. 1,533,109; Apr. 14.
Greene, Frederick E., assignor to The English & Mersick Co., New Haven, Conn. Regulator handle. Des. 67,029; Apr. 14.
Greenwood, Percy R., et al. (See Redrup, Charles B., assignor.)
Greiff, Victor, New York, N. Y., and L. F. Curtis, assignors to American Bosch Magneto Corporation, Springfield, Mass. Induction coil. 1,533,797; Apr. 14.
Grenouillon, Constance. (See Nicot, G., and Grenouillon.)
Griffin, John P., Waddington, N. Y. Kitchen utensil. 1,533,405; Apr. 14.
Grotta, Bennett, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Device for insuring uniform pressure upon explosive charges. 1,533,406; Apr. 14.
Grotta, Bennett, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Secondary charge for compound detonators. 1,533,798; Apr. 14.
Güntherberg, Hans, et al. (See Scheib, Georg., assignor.)
Gurney, Frederick W., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y. Bearing. 1,533,184; Apr. 14.
Gurney, Frederick W., assignor, by mesne assignments, to Marlin-Rockwell Corporation, Jamestown, N. Y. Ball-bearing separator. 1,533,185; Apr. 14.
Haas Letter Service Company, The. (See Poeppelmeier, Frank H., assignor.)
Haase, Leo G., Pasadena, Calif. Bench. Des. 67,030; Apr. 14.
Habann, Erich. (See Fassbender, H., and Habann.)
Haehn, William J., Jamestown, N. Y. Telephone cabinet. 1,533,989; Apr. 14.
Hall, Chester L., Fort Wayne, Ind., assignor to General Electric Company. Electric drive for phonographs. 1,533,647; Apr. 14.
Hall, Clarence B., Winthrop, assignor to Hall Projector Company, Inc., Boston, Mass. Motion-picture projector. 1,533,546; Apr. 14.
Hall, Harry A., assignor to Hoosier Manufacturing Company, Newcastle, Ind. Metal-table-top-stretching method and means. 1,533,591; Apr. 14.
Hall, Harvey H., Elyria, Ohio. Brooder. 1,533,186; Apr. 14.
Hall, Holmes. (See Kelly, J. G., Pringle, and Hall.)
Hall Projector Company. (See Hall, Clarence B., assignor.)
Hall, Ralph E. (See Sperr, F. W., jr., and Hall.)
Hall, Robert F., Schenectady, N. Y. Trucks for railway rolling stock. 1,533,245; Apr. 14.
Hands, Howard A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Commutator soldering iron. 1,533,246; Apr. 14.
Hands, Howard A., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating system. 1,533,247; Apr. 14.
Hanes, Frank D., Mullen, Nebr. Reserve oil supply for vehicle engines. 1,533,592; Apr. 14.
Hanks, George R., High Bridge, N. J., and G. V. Wood, Oakland, Calif., assignors to Taylor-Wharton Iron and Steel Company, High Bridge, N. J. Dredge bucket and lip therefor. 1,533,910; Apr. 14.
Hansen, John A. (See Ewoldt, T., and Hansen.)
Hanson, Louis H., assignor of one-half to T. E. Reasonover, Austin, Tex. Adjustable automatic valve regulator. 1,533,407; Apr. 14.
Hapgood, Cyrus H., Nutley, N. J., assignor to The De Laval Separator Company, New York, N. Y. Milking machine. 1,533,187; Apr. 14.
Hargan, Augustus D., Bayonne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic switching device. 1,533,188; Apr. 14.
Harkin, Harry E., assignor of one-half to F. G. Krone, Ridgefield Park, N. J. Fuel heater for internal-combustion engines. 1,533,855; Apr. 14.
Harlan, Van Don, Humphrey, Ark. Cotton-cleaning machine. 1,533,593; Apr. 14.
Harrison, Andrew J. (See Newbold, H., and Harrison.)
Harrison, William H., Philadelphia, Pa. Traveling trunk. 1,533,856; Apr. 14.

Hart, Charles E., Kansas City, Mo. Auto serving set. 1,533,857; Apr. 14.
Hart, Harry S., Chicago, Ill. Selective dump car. 1,533,408; Apr. 14.
Hartline, William A., Midland, Mich. Pocket coin. Des. 67,032; Apr. 14.
Hartmann, Povl, Brooklyn, N. Y., assignor, by mesne assignments, to Economy Fuse & Manufacturing Company, Chicago, Ill. Inclosed safety switch. 1,533,315; Apr. 14.
Hartshorn, Willis N., assignor to Racine Confectioners' Machinery Co., Racine, Wis. Material working and mixing machine. 1,533,409; Apr. 14.
Harvey, William G., assignor to American Magnesium Corporation, Niagara Falls, N. Y. Electrolytic production of magnesium. 1,533,911; Apr. 14.
Harwix, Ewald, Berlin-Steglitz, Germany. Prismatic telescope. 1,533,248; Apr. 14.
Haskell, Samuel, Brooklyn, assignor to S. Robert, New York, N. Y. Doll or similar article. Des. 67,031; Apr. 14.
Hassler, Franz, Volksdorf, near Hamburg, Germany. Tanning agent. 1,533,594; Apr. 14.
Hathaway, Edgar F., Wellesley, Mass., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Warp-leasing machine. 1,533,799; Apr. 14.
Hathaway, Hosea, Brookline, Mass. Slotting tool. 1,533,547; Apr. 14.
Haug, Anton J., Nashua, N. H. Pulp-screening machine. 1,533,410; Apr. 14.
Hawkinson, John A., Nashville, Tenn., assignor to Allied Packers, Incorporated, Chicago, Ill. Preparing smoked joint meats. 1,533,548; Apr. 14.
Hayes Wheel Company. (See Main, Frank L., assignor.)
Haseltine Corporation. (See Haseltine, Louis A., assignor.)
Haseltine, Louis A., Hoboken, assignor to Haseltine Corporation, Jersey City, N. J. Neutralizing capacity coupling in audions. 1,533,858; Apr. 14.
Haselton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Gear casing for shapers. 1,533,548; Apr. 14.
Haselton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Shaper. 1,533,549; Apr. 14.
Hasen, Paul T., et al. (See Jungferman, Joseph, assignor.)
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Mechanically-operated multiple-unit door-control system for cars. 1,533,110; Apr. 14.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Combined multiple-unit car-door-control signaling and announcing system. 1,533,111; Apr. 14.
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Control mechanism for motor-actuated doors. 1,533,112; Apr. 14.
Hellman, Howard E., and H. Scarth, Detroit, Mich. Form spacer. 1,533,411; Apr. 14.
Heintz, Ernest E. (See Archer, T. P., and Heintz.)
Heisey, Horace C. (See Campbell, M. D., and Heisey.)
Heiss, Friedrich, Munich, Germany. Device to lessen the velocity of fall of samples thrown out of flying machines. 1,533,912; Apr. 14.
Hennebohle, Frank, Chicago, Ill. Apparatus for controlling steam pressure in boilers. 1,533,800; Apr. 14.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Double-pendulum scale. 1,533,113; Apr. 14.
Herbst, Alma. (See Sanford, Charles F., assignor.)
Herman, Eugene H. (See Herman, John O. and E. H.)
Herman, John O. and E. H., Dillsburg, Pa. Bag holders. 1,533,114; Apr. 14.
Hermani, Henry, assignor to The Tin Decorating Company of Baltimore, Baltimore, Md. Detachable closure for display containers. 1,533,497; Apr. 14.
Herron, George A., Ottawa, Ontario, Canada. Cord holder for sadirons. 1,533,412; Apr. 14.
Herron, Joseph D., assignor to Fitz Gibbon & Crisp, Inc., Trenton, N. J. Hoisting truck. 1,533,595; Apr. 14.
Hess, Lawrence S., Middletown, N. Y. Device for oiling molded loaves. 1,533,550; Apr. 14.
Heygel, Paul R., Moresmere, N. J., assignor to H. H. Straus, New York, N. Y. Cigarette container. 1,533,413; Apr. 14.
Heylandt, Paul, Sudende, near Berlin, Germany. Apparatus for producing low temperatures. 1,533,801; Apr. 14.
Heymann, Roy D., Hartford, Conn. Bobbin. 1,533,913; Apr. 14.
Hickey, John H., San Francisco, Calif. Fuse. 1,533,498; Apr. 14.
Hiering, William C., assignor to The J. E. Mergott Co., Newark, N. J. Bag fastener. 1,533,189; Apr. 14.
Hierl, Charles, Cleveland, Ohio. Buffer for cars. 1,533,414; Apr. 14.
Hill, Howard G. (See Fants, F. C., and Hill.)
Hines, William, Washington, D. C. Spacing element for rotary indices. 1,533,735; Apr. 14.
Hinkel, Hobart M., assignor of one-fourth to C. Dinges, Springfield, Ohio. Washing machine. 1,533,596; Apr. 14.
Hirsch, Kupfer- und Messingwerke Aktien Gesellschaft. (See Götze, Otto, assignor.)
Hislop, Robert S., assignor to Racine Confectioners' Machinery Company, Racine, Wis. Depositor for plastic materials. 1,533,597; Apr. 14.
Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Air-conditioning system. 1,533,859; Apr. 14.
Hoffman, Jacob S., New York, N. Y. Treating fabrics and the product thereof. 1,533,598; Apr. 14.
Hoffmaster, Harry W. (See Howard, F. H., and Hoffmaster.)
Hoge, Smith A., Rices Landing, Pa. Sanitary receptacle. 1,533,860; Apr. 14.
Hohl, John, Newark, N. J. Electric socket. 1,533,415; Apr. 14.
Homan, Frank L., Omaha, Nebr. Water gauge. 1,533,551; Apr. 14.
Holbrook, David M., Portland, Oreg. Incubator tray. 1,533,499; Apr. 14.
Holchin, John M., Cleveland, Ohio. Hair-drying brush. 1,533,416; Apr. 14.
Holland, Frank J., Richmond, Ind. Game indoor golf. 1,533,417; Apr. 14.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,533,316; Apr. 14.
Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,533,317; Apr. 14.
Hoosier Manufacturing Company. (See Hall, Harry A., assignor.)
Hoover Company, The. (See Parker, Leslie M., assignor.)
Hopkins, Charles E., deceased; The Plainfield Trust Company, Plainfield, N. J., administrator. Casting apparatus and process of casting. 1,533,649; Apr. 14.
Hornbuckle, James D., sr., San Jose, Calif. Propeller. 1,533,552; Apr. 14.
Hornbuckle, James D., sr., San Jose, Calif. Aeroplane. 1,533,553; Apr. 14.
Hough, William C., Cuyahoga Falls, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Tire-opening machine. 1,533,990; Apr. 14.
Houghton, Harold W. (See Pelton, C. B., and Houghton.)
Hovda, Olaf, Evansville, Ind. Device for demonstrating angular momentum. 1,533,500; Apr. 14.
Howard, Frank H., and H. W. Hoffmaster, assignors to Reading Chain and Block Corporation, Reading, Pa. Brake attachment for hoists. 1,533,554; Apr. 14.
Howard, Frank H., assignor to Reading Chain and Block Corporation, Reading, Pa. Hoist-cable-securing device. 1,533,555; Apr. 14.
Howard, Frank H., assignor to Reading Chain and Block Corporation, Reading, Pa. Hoist-cable-securing device. 1,533,556; Apr. 14.
Howe, Chester C., assignor, by mesne assignments, to The Brush Washing Machine Company, New Kensington, Pa. Wringer. 1,533,861; Apr. 14.
Howe, E. D., et al. (See Dibble, C. W., and Phillips, assignors.)
Hudson Motor Car Company. (See Fekete, S. I., and Baits, assignors.)
Hug, Christian J., assignor to The Hug Company, Highland, Ill. Vehicle spring. 1,533,418; Apr. 14.
Hug, Christian J., assignor to The Hug Company, Highland, Ill. Compartment dumping vehicle. 1,533,419; Apr. 14.
Hug Company, The. (See Hug, Christian J., assignor.)
Hughes, Burton S., assignor to Zaremba Company, Buffalo N. Y. Separator. 1,533,501; Apr. 14.
Hulbert, Edwin F., assignor to Pfister & Vogel Leather Company, Milwaukee, Wis. Leather press. 1,533,115; Apr. 14.
Humason Manufacturing Company, The. (See Olson, Emil A., assignor.)
Hummel, Howard H., assignor to Bethlehem Steel Company, Bethlehem, Pa. Annealing box. 1,533,249; Apr. 14.
Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. Des. 67,033; Apr. 14.
Humphrey, Charles F., and G. M. Jeffrey, Pasadena, Calif. Clutch lock for motor vehicles. 1,533,736; Apr. 14.
Hurd, Benjamin W., assignor to Turbine Fuel Oil Burner Co., San Francisco, Calif. Oil burner. 1,533,420; Apr. 14.
Husk, Harry M., Newburyport, Mass. Slipper. Des. 67,034; Apr. 14.
Hutchcroft, Orin L., Mediapolis, Iowa. Motor-vehicle chain tightener. 1,533,421; Apr. 14.
Hutchins, Clarence D., Windsor, England. Amusement device. 1,533,914; Apr. 14.
Hutchins, Cyrus W., Kearney, Nebr. Monument. 1,533,250; Apr. 14.
Hygrade Mechanical Toy Manufacturing Co. (See Selenkow, Jacob K., assignor.)
Hyle, Jacob A., Girard, Ill., assignor to United Railway Equipment Company, St. Louis, Mo. Steel grain car. 1,533,862; Apr. 14.
Hyman, Henry, & Co. (See Rubin, Abraham, assignor.)
Ihlenfeldt, Richard, et al. (See Scheib, George, assignor.)
Ihling, Paul J., Kalamazoo, Mich. Paste receptacle. 1,533,818; Apr. 14.
Iklé, Charles F., assignor to Iklé Frères & Co., Inc., New York, N. Y. Lace. Des. 67,035; Apr. 14.

Iklé Frères & Co. (See Iklé, Charles F., assignor.)
Ingersoll Milling Machine Company, The. (See Sproul, William C., assignor.)
Ingersoll Milling Machine Company, The. (See Johnson, John R., assignor.)
International Motor Company. (See Wirrer, Gottfried, assignor.)
International Nickel Company, The. (See Stanley, Robert C., assignor.)
International Silver Co. (See Beck, Ernest T., assignor.)
International Silver Company. (See Stark, Frederick W., assignor.)
Jackson, John E., Detroit, Mich. Motor attachment for player pianos. 1,533,915; Apr. 14.
Jacomy, Pierre, Toulouse, assignor to Société Anonyme la Chevrette, Toulouse, Haute-Garonne, France. Lever jack. 1,533,737; Apr. 14.
Jaso, Sebero, San Antonio, Tex. Belt buckle. 1,533,650; Apr. 14.
Jeffrey, Gerald M. (See Humphrey, C. F., and Jeffrey.)
Jenkins, Charles F., Washington, D. C. Web-picture-message transmission. 1,533,422; Apr. 14.
Jenks, James L., jr., Medford, Mass. Adjusting rotary spark gaps of wireless apparatus. 1,533,502; Apr. 14.
Jensen, Victor G., assignor to C. H. & D. Electric Company, Chicago, Ill. Electric iron and stand. 1,533,116; Apr. 14.
Jirasek, John, Detroit, Mich. Ear clip for eyeglasses. 1,533,190; Apr. 14.
Jobson, William P., Philadelphia, and H. S. Souder, assignors to Souderton Manufacturing Co., Souderton, Pa. Amalgamator. 1,533,557; Apr. 14.
Johnsen, Frederik A. (See Rahbek, K., and Johnsen.)
Johnson, Aaron, Corning, Mo. Stream-bed-digging device. 1,533,423; Apr. 14.
Johnson, Anton, Hunter, N. Dak., assignor to Dakota Cooler Corporation, Fairmount, Ind. Refrigerator. 1,533,863; Apr. 14.
Johnson, Arther M., et al. (See Gentry, Jefferson F., assignor.)
Johnson, Charles J., Bloomfield, N. J. Attachment for flexible-tube-making machines. 1,533,864; Apr. 14.
Johnson, Edward, North Pelham, assignor to Meinecke & Company, New York, N. Y. Adhesive plaster or tape roller. 1,533,802; Apr. 14.
Johnson, Ira K., West Caldwell, N. J. Bonding rail joint. 1,533,916; Apr. 14.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Drum-type milling machine. 1,533,703; Apr. 14.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Drum-type milling machine. 1,533,704; Apr. 14.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Drum-type milling machine. 1,533,705; Apr. 14.
Johnson, Roy W. (See Gauger, F. A., and Johnson.)
Johnston, Howard H., Forest Hills Borough, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric switch. 1,533,251; Apr. 14.
Johnstone, William E., and W. A. McDougall, Kansas City, Mo.; said Johnstone assignor to said McDougall. Dirigible headlight. 1,533,424; Apr. 14.
Jones, Harry J., San Angelo, Tex. Universal joint. 1,533,425; Apr. 14.
Jones, William F., London, and A. M. Pennington, Bury, England. Apparatus for refrigerating and for manufacturing ice. 1,533,885; Apr. 14.
Jordan, O. E., Company. (See Greenabaum, Alexander L., assignor.)
Jordan, O. E., Company. (See Mann, Orville C., assignor.)
Jorgensen, Arthur J., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,533,991; Apr. 14.
Joseph, Harry F., Davenport, assignor, by mesne assignments, to Micro Machine Company, Bettendorf, Iowa. Internal-grinding machine. Re16,043; Apr. 14.
Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)
Jungferman, Joseph, Neola, assignor to P. T. Hasen, Avoca, and R. C. Fell, Perry, Iowa. Corn-planter attachment. 1,533,426; Apr. 14.
Kahn, Bertrand B., assignor to The Estate Stove Company, Hamilton, Ohio. Toaster. 1,533,117; Apr. 14.
Kaiser, Wilhelm, and R. Gardels, assignors to A. Bühr, Hamburg, Germany. Press for plastic materials. 1,533,191; Apr. 14.
Kaiser, William O., Burlington, Iowa. Bleaching process and means. 1,533,917; Apr. 14.
Kane, Joseph I., Los Angeles, and H. W. A. Fuhrmann, Alhambra, assignors, by mesne assignments, to E. J. Pineau, Los Angeles, Calif. Illuminated electric fountain. 1,533,738; Apr. 14.
Kanegafuchi Boseki Kabushiki Kwaisha. (See Naito, R., and Niwa, assignors.)
Karr, Laurence G., Long Beach, Calif. Tree holder. 1,533,739; Apr. 14.
Kartheiser, John, Aurora, Ill. Car-door-locking means. 1,533,427; Apr. 14.
Kast, Morgan D., Pendleton, Oreg. Weeder. 1,533,918; Apr. 14.
Keckler, Charles W., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,533,192; Apr. 14.
Keefer, Walter L., assignor to H. G. Wolf, Chambersburg, Pa. Hand-operated vacuum cleaner. 1,533,919; Apr. 14.
Keinath, Georg, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Pyrometer. 1,533,740; Apr. 14.
Keithley, Frank N., Burlingame, Calif., assignor to Metal & Thermit Corporation, Chrome, N. J. Mold for welding rails and the like. 1,533,803; Apr. 14.
Kellum, Orlando E., Los Angeles, Calif. Automatic adjusting mechanism for synchronous apparatus. 1,533,319; Apr. 14.
Kelly, James G., A. L. Pringle, and H. Hall, Sedalia, Mo.; said Pringle assignor to said Kelly and Hall. Metal bearing. 1,533,118; Apr. 14.
Kelsay, Le Roy W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone hand set. 1,533,193; Apr. 14.
Kendrick, James E., Co. (See Fox, William J., assignor.)
Kennedy, David S., Brooklyn, N. Y., assignor to Mergenthaler Linotype Company. Typographical distributing machine. 1,533,920; Apr. 14.
Kennedy, John A., Topeka, Kans. Floodgate. 1,533,921; Apr. 14.
Kenney Manufacturing Company. (See Kenney, William C., assignor.)
Kenney, William C., Cranston, R. I., assignor to Kenney Manufacturing Company. Curtain rod. Des. 67,036; Apr. 14.
Kent, Ellis C., Brooklyn, N. Y., assignor to Robert Sayre Kent, Inc. Rotary kiln. 1,533,866; Apr. 14.
Kent, Robert Sayre, Inc. (See Kent, Ellis C., assignor.)
Kenworthy, Charles A., East Orange, N. J., assignor to The Beck Duplicator Company. Spindle. 1,533,867; Apr. 14.
Kichline, Frank O., and H. W. Sloyer, Lebanon, Pa., assignors to Bethlehem Steel Company. Metallurgical process. 1,533,741; Apr. 14.
Kilberg, Samuel. (See Cohen, S., and Kilberg.)
Kilberry, George D., East Downington, Pa. Paper-machine-driving mechanism. 1,533,194; Apr. 14.
Kilborn, Karl B., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Tire. Des. 67,037; Apr. 14.
Killinger, William E., Oklahoma City, Okla. Plant-shredding machine. 1,533,922; Apr. 14.
Kilpatrick, Charles H., Abingdon, Ill. Railway reflector signal. 1,533,742; Apr. 14.
Kimball, John A., Taylorville, Ill. Controlling device for headlights. 1,533,743; Apr. 14.
Kingman, Russell B., Orange, N. J. Scouring device. 1,533,868; Apr. 14.
Kinsley, Willis C., et al. (See Baker, Bert C., assignor.)
Kister, Harry, Philadelphia, Pa. Toy wagon. 1,533,651; Apr. 14.
Kittleson, Caroline T., Chicago, Ill. Child's hand bag. 1,533,428; Apr. 14.
Klingbeil, Gottlieb L. E., Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Automobile spring spreader. 1,533,992; Apr. 14.
Klingbeil, Gottlieb L. E., Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Spring spreader. 1,533,993; Apr. 14.
Klingbeil, Gottlieb L. E., Omaha, Nebr., assignor to Central Trading Company, Dover, Del. Spring spreader. 1,533,994; Apr. 14.
Klopp, Aaron T., Omaha, Nebr. License holder for motor vehicles. 1,533,869; Apr. 14.
Knapp, Albert S. (See Wright, G. F., and Knapp.)
Knoll, Raymond A., Carrick, Pa. Interlocking shingle. 1,533,923; Apr. 14.
Knudsen, Carl H., Brooklyn, N. Y., assignor to The Knudsen Motor Corporation, Wilmington, Del. Internal-combustion engine. 1,533,503; Apr. 14.
Knudsen Motor Corporation, The. (See Knudsen, Carl H., assignor.)
Koch, Hugo A., The Hague, assignor to Naamloose Vennootschap Ingenieursbureau "Securitas," Amsterdam, Netherlands. Coding and decoding machine. 1,533,252; Apr. 14.
Koch, Max, et al. (See Scheib, Georg, assignor.)
Koehn, John M., Buffalo, Nebr. Pipe jack. 1,533,429; Apr. 14.
Koehring Company. (See Webb, George E., assignor.)
Koehring Company. (See Robb, John F., assignor.)
Koltes, John I., Milwaukee, Wis. Sash attachment. 1,533,558; Apr. 14.
Konerman, Harry H., Newport, Ky., assignor to The Globe Register Company, Cincinnati, Ohio. Autographic register. 1,533,320; Apr. 14.
Konerman, Harry H., Newport, Ky., and R. C. Leimberger, assignors to The Globe Register Co., Cincinnati, Ohio. Attachment for manifolding typewriters. 1,533,430; Apr. 14.
Koppers Company, The. (See Sperr, F. W., jr., and Hall, assignors.)
Kotkowsky, Benjamin, Brooklyn, G. Luter, New York, and B. Dubl, Brooklyn, assignors to Chainless Knitting Machine Corp., New York, N. Y. Adjustable automatic knitting machine. 1,533,431; Apr. 14.
Kreadorn, Herman A., Seguin, Tex. Buckle strap. 1,539,924; Apr. 14.

Krone, Frederick G. (See Harkin, Harry E., assignor.)
Kuns, Joseph A., Hartford, Conn. Line clamp. 1,533,504; Apr. 14.
Kuster, Charles A., Elmhurst, assignor to Tonoh-Metal Producing Company, New York, N. Y. Bracket back for lighting fixtures. Des. 67,038; Apr. 14.
La Bombard, Leon E., and M. H. Sidebotham, assignor to Specialty Automatic Machine Company, Chelsea, Mass. Box partitioning and making the same. 1,534,003; Apr. 14.
Labombarde, Harold S., Nashua, N. H. Machine for making taped cartons. 1,534,007; Apr. 14.
La May, Frank B., assignor to La May-Smith-Walker, Inc., Rochester, N. Y. Can opener. 1,533,599; Apr. 14.
La May-Smith-Walker, Inc. (See La May, Frank B., assignor.)
Lambert, Henry L., assignor to Lambert Bros. Jewelers, Inc., New York, N. Y. Bracelet. Des. 67,039; Apr. 14.
Lambert Bros. Jewelers, Inc. (See Lambert, Henry L., assignor.)
Lane, John S., Rochester, Tex. Maize header. 1,533,925; Apr. 14.
Lang, Paul, Cleveland, Ohio, assignor to The American Steel and Wire Company of New Jersey. Hook. 1,533,995; Apr. 14.
Lange, Paul H. (See Brensinger, J., and Lange.)
Lanott, Ernest N., Sioux City, Iowa. Fence brace. 1,533,321; Apr. 14.
Lanston Monotype Machine Company. (See Pierpont, Frank H., assignor.)
Lanston Monotype Machine Company. (See Pierpont, F. H., and Tipton, assignors.)
Lanz, Firm Heinrich. (See Schroeder, Karl, assignor.)
Lapshansky, John, Nokomis, Ill. Cutter-bar jack. 1,533,559; Apr. 14.
Larson, Ludvig A., Summit, S. Dak. Internal-combustion engine. 1,533,926; Apr. 14.
Larsson, Carl G. E., Plainfield, N. J. Multiple-span bridge. 1,533,927; Apr. 14.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Cipher-cut-out mechanism. 1,533,119; Apr. 14.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York N. Y. Means for locking and aligning type segments. 1,533,120; Apr. 14.
Lasker, William W., Brooklyn, assignor, by mesne assignments, to Powers Accounting Machine Corporation, New York, N. Y. Nonprint mechanism of printing tabulators. 1,533,121; Apr. 14.
Leadizing Company. (See Shoemaker, Robert J., assignor.)
Lecopoulos, George, Chicopee Falls, Mass. Table article. 1,533,928; Apr. 14.
Le Count, George E., Pittsfield, Mass., assignor to General Electric Company. Prepayment electric fan. 1,533,652; Apr. 14.
Lederer, Charles, Chicago, Ill. Educational game. 1,533,122; Apr. 14.
Lederer, Sigmund L., Providence, R. I. Watch bracelet. Des. 67,040; Apr. 14.
Lee, Leif, Youngstown, Ohio, assignor to G. Mesta, Pittsburgh, Pa. Operating mechanism for pickling machines. 1,533,870; Apr. 14.
Lee, Leif, Youngstown, Ohio, assignor to G. Mesta, Pittsburgh, Pa. Operating mechanism for weight-supporting plungers. 1,533,871; Apr. 14.
Leimberger, Robert C. (See Konerman, H. H., and Leimberger.)
Lemmon, James H., Milltown, Ind., assignor to Louisville Cement Company, Louisville, Ky. Gas producer. 1,533,929; Apr. 14.
Lens, Charles. (See Crosse, E., Brown, and Lens.)
Levine, Joseph, Brooklyn, N. Y. Recording book bank. 1,533,600; Apr. 14.
Levison, William F., Cleveland, Ohio. Intake-manifold heater. 1,533,432; Apr. 14.
Lewis, Harry A., Norristown, Pa., assignor to Westinghouse Electric & Manufacturing Company. Slip regulator. 1,533,253; Apr. 14.
Lewis, Lloyd V., Edgewood, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-valve device. 1,533,322; Apr. 14.
Lewis, Oscar L., St. Louis, Mo. Tongue-cleaning device. 1,533,128; Apr. 14.
Liedel, Clarence, Maybee, Mich. Variable inductance. 1,533,930; Apr. 14.
Linaker, Frederick W., and T. M. Bruback, Dubois, Pa. Tube cleaner. 1,533,872; Apr. 14.
Linaker, Frederick W., and T. M. Bruback, Dubois, Pa. Apparatus and method of cleaning boiler tubes. 1,533,873; Apr. 14.
Linden, Svennum C., San Francisco, Calif. Multiple-exposure attachment for cameras. 1,533,433; Apr. 14.
Linder, Willis W., Salisbury, N. C. Hydraulic press for crank shafts and the like. 1,533,560; Apr. 14.
Lindner, Arthur, assignor of one-half to R. M. Brown, Newport News, Va. Record-producing device. 1,533,561; Apr. 14.
Lindsay, Joseph H., Wilmington, Del. Cutting stick. 1,533,124; Apr. 14.
Lindström, Carl, Aktiengesellschaft. (See Cordt, Hugo, assignor.)
Linstadt, Otto, Madison, Nebr. Float valve. 1,533,434; Apr. 14.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric-furnace resistor. 1,533,254; Apr. 14.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,533,255; Apr. 14.
Livermore, Henry W., East Orange, N. J., assignor to Electric Arc Cutting & Welding Company, New York, N. Y. Electric-arc welding and preheating handle. 1,533,874; Apr. 14.
Locke, George A. (See Rainey, P. M., and Locke.)
Loewenstein, Louis C., Lynn, and H. N. Davis, Cambridge, Mass., assignors to General Electric Company. Boiler. 1,533,706; Apr. 14.
Lokey, Milton A., Hatcher Station, Ga. Fertilizer mixer and distributor. 1,533,435; Apr. 14.
Long, Herbert C., San Francisco, Calif. Syrup can. Des. 67,041; Apr. 14.
Loofbourow, J. T., et al. (See Dibble, C. W., and Phillips, assignors.)
Lorens, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va. Felt shrinking. 1,533,847; Apr. 14.
Lorraine, David G., Los Angeles, Calif. Oil and gas separator. 1,533,744; Apr. 14.
Lorraine, David G., Los Angeles, Calif. Valve. 1,533,745; Apr. 14.
Lott, Charles I., Norfolk, Va. Assembling roller bearings. 1,533,746; Apr. 14.
Lough, William D., Scott City, Kans. Adjustable well casing and sand screen. 1,533,747; Apr. 14.
Louisville Cement Company. (See Lemmon, James H., assignor.)
Lower, Nathan M. (See Osborne, L. E., and Lower.)
Lowry, Thomas K., Chicago, Ill. Dump wagon. 1,533,436; Apr. 14.
Lubowsky, Simon J., Jersey City, N. J. Producing metallic titanium or its alloys. 1,533,505; Apr. 14.
Lucas, Clarence W. (See Mueller, P., Schuermann, and Lucas.)
Lucas, Owen D. (See Martin, H. P., and Lucas.)
Ludlum Steel Company. (See Armstrong, Percy A. E., assignor.)
Lummis, Charles W., assignor to Morgan Construction Company, Worcester, Mass. Gas producer. 1,533,981; Apr. 14.
Lundins, Eric R., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,533,195; Apr. 14.
Lush, Ernest J., assignor to Technical Research Works Limited, London, England. Preparation and reactivation of metallic catalysts used in the hydrogenation of oils and like substances. 1,533,932; Apr. 14.
Lusher, Theodore A., Pittsburg, Kans. Gear wheel. 1,533,933; Apr. 14.
Luter, George. (See Kotkovsky, B., Luter, and Dubl.)
Lutton, William J., assignor of one-half to M. Franck, Paterson, N. J. Pattern mechanism for looms. 1,533,601; Apr. 14.
Lutz, Carl T., Dresden-Gruna, Germany. Implement for use in hand brickwork. 1,533,934; Apr. 14.
Lynch, Earnest E., Hilmar, and H. A. Mead, Turlock, Calif., assignors to Masterench Corporation. Wrench. 1,533,602; Apr. 14.
M. L. Experimental Limited. (See Martin, H. P., and Lucas, assignors.)
MacDonald, William A., Hartsdale, N. Y. Modulation. 1,533,653; Apr. 14.
MacFarland, Allis M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric iron. 1,533,258; Apr. 14.
Macinnes, Peter G. R., Glasgow, Scotland. Window catch. 1,533,879; Apr. 14.
Mack, John J., Salem, Mass. Wall tie. 1,533,324; Apr. 14.
Macy, Alfred J., Chicago, Ill., assignor to Macy Art Process Corporation. Educational device. 1,533,437; Apr. 14.
Macy Art Process Corporation. (See Macy, Alfred J., assignor.)
Magee, William H., and E. M. Bottome, Moundsville, W. Va. Combination serving dish. Des. 67,042; Apr. 14.
Maggi, Sabatino, Chicago, Ill. Re-forming golf balls. 1,533,563; Apr. 14.
Magnavox Company, The. (See Schoenfeld, Joseph, assignor.)
Main, Frank L., Birmingham, assignor to Hayes Wheel Company, Jackson, Mich. Vehicle wheel. 1,533,438; Apr. 14.
Mair, Alexander. (See Tomkins, E. S., and Mair.)
Maitland, Harold T., Sharon Hill, assignor to Sun Oil Company, Philadelphia, Pa. Refining mineral oil. 1,533,325; Apr. 14.
Malarkey, Huntington, Chicago, Ill. Door construction. 1,533,881; Apr. 14.
Malatesta, Louis. (See Crescio, Louis C., assignor.)
Malicki, Joseph, assignor to W. B. Templeton, Chicago, Ill. Closure fastener. 1,533,259; Apr. 14.

Malm, Frank S., Chicago, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Manufacture of sponge-rubber articles. 1,533,197; Apr. 14.
Malwitz, Max H., Eau Claire, Wis. Card holder. 1,533,880; Apr. 14.
Mani, Charles Z., New York, N. Y. Clipper attachment. 1,533,564; Apr. 14.
Mann, Emma I., executrix. (See Mann, Orville C.)
Mann, Orville C., deceased, Oak Park, Ill.; Emma I. Mann, executrix, assignor to O. F. Jordan Company, East Chicago, Ind. Railway ditcher. 1,533,198; Apr. 14.
Mann, William A., Kankakee, Ill. Bow attachment for spectacles. 1,533,506; Apr. 14.
Maranville, Harvey F., assignor, by mesne assignments, to The Firestone Tire and Rubber Company, Akron, Ohio. Mandrel. 1,533,604; Apr. 14.
Marlin-Rockwell Corporation. (See Gurney, Frederick W., assignor.)
Marsh, Edward S., assignor to Taylor Instrument Companies, Rochester, N. Y. Time-controlled regulating device. 1,533,200; Apr. 14.
Marsh, Lucien A., Mill Valley, Calif. Game board. 1,533,439; Apr. 14.
Marshall, Eugene A., Richmond, and W. J. Burke, San Rafael, Calif. Removing varnish and paint. 1,533,826; Apr. 14.
Martin, Charles B., Canton, Ohio. Rubber-tube-cutting machine. 1,533,126; Apr. 14.
Martin, Helmuth P., and O. D. Lucas, Westminster, London, assignors to M. L. Experimental Limited, Westminster, England. Ammunition. 1,533,199; Apr. 14.
Martin-Harvey, Thomas, Bickley, England. Surface wiring for electricity-distributing systems. 1,533,936; Apr. 14.
Marty, Benjamin F., Friant, assignor of two-thirds to E. Donaghy, O'Neals, Calif. Pump. 1,533,440; Apr. 14.
Masbruch, Henry, Platteville, Wis. Attachments for lawn mowers. 1,533,127; Apr. 14.
Mason, Norman, et al. (See Gentry, Jefferson F., assignor.)
Masterench Corporation. (See Lynch, E. E., and Mead, assignors.)
Max Ams Machine Company, The. (See Brenzinger, J., and Lange, assignors.)
May, Carl. (See Cole, L. C., Pabst, and May.)
May, Nicolaus J., San Francisco, Calif. Puzzle. 1,533,507; Apr. 14.
Maynard, Laurier A., Detroit, Mich. Motor-operated razor. 1,533,654; Apr. 14.
McAuliffe, John C. (See Stearn, F. A., and McAuliffe.)
McCaul, Philip, Tacoma, Wash. Adjustable shelf for ovens. 1,533,256; Apr. 14.
McCauley, Ernest G., Dayton, Ohio. Synchronized control for reversible propellers and variable-incidence stabilizers. 1,533,323; Apr. 14.
McCleary, Clyde, Webb City, Okla. Casing-head latch. 1,533,875; Apr. 14.
McClevey, Norman H., Petersburg, Ind. Coal-bucket plow. 1,533,603; Apr. 14.
McCloy, Howard L. (See Davis, C. A., and McCloy.)
McColl, Henry P., Melbourne, Victoria, Australia. Electric-switch-actuating mechanism. 1,533,562; Apr. 14.
McCormick, Cyrus T., Fredericktown, Mo. Power-transmitting device. 1,533,877; Apr. 14.
McCoy, John O., Atlanta, Ga. Cotton stamper. 1,533,804; Apr. 14.
McCray, Harold E., assignor to Waterloo Gasoline Engine Company, Waterloo, Iowa. Carbureting device. 1,533,196; Apr. 14.
McDougall, William A. (See Johnstone, W. R., and McDougall.)
McErlane, David, Glasgow, Scotland. Pump for inflating pneumatic tires and the like. 1,533,876; Apr. 14.
McGee, Isham E., Starr, S. C. Agricultural implement. 1,533,878; Apr. 14.
McIsaac, Archy A., Inverness, Nova Scotia, Canada. Nonskid wheel. 1,533,935; Apr. 14.
McKinney, Robert L., Pittsburgh, Pa. Door latch. 1,533,257; Apr. 14.
McKinnie, Earl C. (See Pridmore, J. E. O., and McKinnie.)
McNeil, Daniel W., assignor to The John Douglas Company, Cincinnati, Ohio. Tank lever. 1,533,748; Apr. 14.
McNicholas, Henry J., Youngstown, Ohio. Ice-cream-filling machine. 1,533,125; Apr. 14.
Mead, Homer A. (See Lynch, E. E., and Mead.)
Meeks, J. G., et al. (See Dibble, C. W., and Phillips, assignors.)
Meinecke & Company. (See Johnson, Edward, assignor.)
Meirowsky, Oskar, Palisade, N. J. Inductance. 1,533,749; Apr. 14.
Melling, Alice M. (See Melling, George, assignor.)
Melling, George, assignor of one-half to A. M. Melling, Lansing, Mich. Finger-ring guard. 1,533,441; Apr. 14.
Mellogio Company. (See Murnan, Charles E., assignor.)
Mendler, Charles, San Francisco, Calif. Securing device. 1,533,565; Apr. 14.
Mergenthaler Linotype Company. (See Kennedy, David S., assignor.)
Mergott, J. E., Co., The. (See Hiering, William C., assignor.)
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Segregated drive for paper machines and the like. 1,533,655; Apr. 14.
Mesta, George. (See Lee, Leif, assignor.)
Metal and Thermit Corporation. (See Deppeler, John H., assignor.)
Metal & Thermit Corporation. (See Keithley, Frank N., assignor.)
Metallurgica Bresciana Gia Tempini. (See Panigatti, Umberto, assignor.)
Metro Electrical Co. (See Moore, Edward, assignor.)
Meyer, Arthur R., and E. A. Reed, assignors, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill. Mechanism for shifting binder posts. 1,533,442; Apr. 14.
Meyers, George W., Rahway, N. J., assignor to National Pneumatic Company, New York, N. Y. Magnet valve. 1,533,128; Apr. 14.
Mickey, Simon P., Gering, Nebr. Machine for tendering beefsteak. 1,533,882; Apr. 14.
Micro Machine Company. (See Joseph, Harry F., assignor.)
Miller, Andrew, Newport News, Va. Pipe-bending machine. 1,533,443; Apr. 14.
Miller Company, The. (See Grant, Florence L., assignor.)
Miller, Edwin L., Kansas City, Mo. Oil burner. 1,533,129; Apr. 14.
Miller, George L., Shickshinny, Pa. Valve plunger. 1,533,883; Apr. 14.
Miller, John S., jr., Rahway, N. J. Protector for automobiles. 1,533,508; Apr. 14.
Miller, Thomas S., South Orange, N. J. Two-speed hoisting mechanism. 1,533,201; Apr. 14.
Miller, Wyman A. (See Ulrich, C. J., and Miller.)
Millispaugh, William H., assignor to The Paper and Textile Machinery Co., Sandusky, Ohio. Paper-machine drier. 1,533,130; Apr. 14.
Millispaugh, William H., assignor to Sandusky Foundry & Machine Co., Sandusky, Ohio. Centrifugal casting machine. 1,533,202; Apr. 14.
Milwaukee Gas Specialty Company. (See Gauger, F. A., and Johnson, assignors.)
Minton, Charles M., Philomath, Oreg. Flush tank. 1,533,884; Apr. 14.
Mitchell, Frank, et al. (See Redrup, Charles B., assignor.)
Mitchell, Harrison J., assignor to W. H. Payne, Seattle, Wash. Instrument for marking molding cutters or bits. 1,533,750; Apr. 14.
Mitsu Bishi Zosen Kabushiki Kaisha. (See Motora, Shintaro, assignor.)
Mogor, Sándor, West Detroit, Mich. Reflecting device for automobiles. 1,533,937; Apr. 14.
Mohr, Oscar H., assignor of one-half to F. W. Dakin, Berkeley, Calif. Floor slab for plumbing fixtures. 1,533,444; Apr. 14.
Möller, Hugo A. O., assignor to M. M. Saunders, Boston, Mass. Cutter for cheese, butter, and the like. 1,533,445; Apr. 14.
Monighan, Joseph A. (See Derman, G. W., and Monighan.)
Montgomery, Gustavus A., Titusville, Pa. Lifting device for temper screws. 1,533,751; Apr. 14.
Moore, Edward, Nutley, assignor to Metro Electrical Co. Inc., Newark, N. J. Receiving set for wireless messages. Des. 67,043. Apr. 14.
Moore, Lindley W., San Francisco, Calif. Dustpan. 1,533,938; Apr. 14.
Moore, M. H. (See Whipp, John W., assignor.)
Morgan Construction Company. (See Lummis, Charles W., assignor.)
Morgan, John S., London, England. Removing a liquid from the surface of molten metal. 1,533,885; Apr. 14.
Morin, Louis H. (See Sosa, J., and Morin).
Morrell, Glenn A., assignor to A. P. Robinson, Seattle, Wash. Fireplace damper. 1,533,752; Apr. 14.
Morrissey, John F., Antigo, Wis. Automatic self-locking differential gearing. 1,533,327; Apr. 14.
Morse, Albert W., Long Island City, N. Y. Liquid and gas mixer. 1,533,509; Apr. 14.
Motor Products Corporation, (1923). (See Pritchard, William S., assignor.)
Motora, Shintaro, Nagasaki, assignor to Mitsu Bishi Zosen Kabushiki Kaisha, Tokyo, Japan. Steadying device of the rolling of ships. 1,533,328; Apr. 14.
Mueller, Adolph, trustee. (See Mueller, P., Schuermann, and Lucas, assignors.)
Mueller, Philip, A. C. Schuermann, and C. W. Lucas, assignors to A. Mueller, trustee, Decatur, Ill. Water trap and trap connection. 1,533,886; Apr. 14.
Mugler, Casper M., Clay Center, Kans. Mail-box support. 1,533,887; Apr. 14.
Mullen, George W., Flushing, assignor to John C. Wiarda & Co., Inc., New York, N. Y. Making electrotypes. 1,533,656; Apr. 14.
Muller, Paul F. W., Hoboken, N. J. Combined flower and vanity bag. 1,533,131; Apr. 14.
Munch, Earl L., Johnson City, N. Y. Medicine dropper. 1,533,763; Apr. 14.

Murnan, Charles E., Brookline, assignor to Mellogio Company, Boston, Mass. Vanity case. 1,533,329; Apr. 14.
Murphy, Gilbert, Philadelphia, Pa., and W. A. Simond, assignors to Acme Knitting Machine & Needle Company, Franklin, N. H. Needle-latch-opening device for knitting machines. 1,533,446; Apr. 14.
Murphy, Paul B., Nyack, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,533,203; Apr. 14.
Muse, William E., Sawtelle, Calif. Unbreakable comb. 1,533,330; Apr. 14.
Myers, John S., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Governing apparatus. 1,533,888; Apr. 14.
Naamlooze Vennootschap Ingenieursbureau "Securitas." (See Koch, Hugo A., assignor.)
Nace, William J., Los Angeles, Calif. Heat-distributing and oxidizing utensil. 1,533,510; Apr. 14.
Naito, Eyoichi, and H. Niwa, Kobe, assignors to Kanegafuchi Boseki Kabushiki Kwaisha, Tokyo-fu, Japan. Automatic filament supplier. 1,533,260; Apr. 14.
Nantes, Sofronio A., Chicago, Ill. Automobile tire. 1,533,566; Apr. 14.
Nathanson, Philip, and J. Sontag, Allentown, Pa. Shuttle guard for looms. 1,533,707; Apr. 14.
National Assorting Company. (See Cox, George W., jr., assignor.)
National Pigments & Chemical Company. (See Washburn, Willis F., assignor.)
National Pneumatic Company. (See Forman, Paris R., assignor.)
National Pneumatic Company. (See Meyers, George W., assignor.))
National Pneumatic Company. (See Rowntree, Harold, assignor.)
National Seal Company. (See O'Reilly, Peter S., assignor.)
National Steel Barrel Company, The. (See Schriner, Charles F., assignor.)
Nederlandsche Technische Handel Maatschappij "Giro." (See Otto, Wolfgang, assignor.)
Neidhart, William J., South Bend, Ind. Garden tool. 1,533,132; Apr. 14.
Nelson, Henry L., Cannon Falls, Minn. Corn-husking machine. 1,533,657; Apr. 14.
Nemets, Louis A., Omaha, Nebr. Grain-drying device. 1,533,511; Apr. 14.
Ner-A-Car Corporation. (See Neracher, Carl A., assignor.)
Neracher, Carl A., Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation. Motor-cycle operating mechanism. 1,533,331; Apr. 14.
Newberg, Hugh W., Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company. Governor-operated valve mechanism. 1,533,204; Apr. 14.
Newbold, Harry, St. Albans, and A. J. Harrison, Olton, England; said Newbold assignor to said Harrison. Eyeglasses and spectacles. 1,533,754; Apr. 14.
Newcomb, Frank H., Ashland, Mass. Whistling propeller toy. 1,533,889; Apr. 14.
Newhall, Henry B. (See Pichater, Henry W., assignor.)
Newhouse, Ray C., Wauwatosa, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Crusher. 1,533,658; Apr. 14.
New Jersey Research Company. (See Respess, William R., assignor.)
Newman, George W., assignor, by mesne assignments, to Wilson-Jones Loose Leaf Company, Chicago, Ill. Apparatus and process for electroplating metal and forming articles therefrom. 1,533,447; Apr. 14.
Newman, Ollie B., Camp Chase, Ohio. Box filler. 1,533,890; Apr. 14.
Newton, Earl W., Chicago, Ill. Plate or similar article. Des. 67,044; Apr. 14.
Nicholas Power Company. (See Vick, Frank H., assignor.)
Nickau, William V., Rahway, N. J. Valvefacing device. 1,533,133; Apr. 14.
Nicot, George, and C. Grenouillou, West Palm Beach, Fla. Sanitary fork. 1,533,939; Apr. 14.
Nicol, William C., assignor of one-half to A. G. Paschke, Everett, Wash. Trip hammer. 1,533,567; Apr. 14.
Niles-Bement-Pond Company. (See Blood, Harold L., assignor.)
Niles-Bement-Pond Company. (See Cole, L. C., Pabst, and May, assignors.)
Nilsson, Axel W., Port Washington, N. Y. Swimming device. 1,533,659; Apr. 14.
Niwa, Hidetaro. (See Naito, E., and Niwa.)
Noble, Donald, Bridgeport, Conn., assignor to The Singer Manufacturing Company. Clutch mechanism. 1,533,205; Apr. 14.
Noble, Moore, Los Angeles, Calif. Automobile top. 1,533,448; Apr. 14.
Nolan, James A., Bowerston, Ohio. Feeder and scales. 1,533,940; Apr. 14.
Nordine, Axel O., assignor to Puget Electric Welding Inc., Seattle, Wash. Trailer. 1,533,449; Apr. 14.
Norris, Almon E., Brookline, Mass. Bucket. 1,533,512; Apr. 14.
Norris, Walter C., Port Arthur, Tex. Safety coin receptacle. 1,533,382; Apr. 14.
North American Lace Company. (See Teague, Edwin D., assignor.)
Northey, John P., Toronto, Ontario, Canada. Sound-producing device. 1,534,016; Apr. 14.
Norton Company. (See Gillett, Charles E., assignor.)
Norton Company. (See Swenson, Kasper O., assignor.)
Nosarzewski, John. (See Bulewich, J., and Nosarzewski.)
Odenbrett, Frank L., Long Beach, Calif. Brake equalizer. 1,533,755; Apr. 14.
O'Flaherty, Roscoe, Lanham, Md. Vehicle wheel. 1,533,450; Apr. 14.
Oishei, John E., Buffalo, N. Y. Radiator-cap ornament. Des. 67,045; Apr. 14.
Oitto, Charles F., Nemo, S. Dak. Water pump. 1,533,338; Apr. 14.
Oles, Claude J., Unadilla, N. Y. Sink tray. 1,533,891; Apr. 14.
Oliver, Edd C., Adrian, assignor to Parker Rust Proof Company, Detroit, Mich. Electroplating rack. 1,533,805; Apr. 14.
Olson, Emil A., Plainville, assignor to The Humason Manufacturing Company, Forestville, Conn. Arm band and the like. 1,533,996; Apr. 14.
O'Reilly, Peter S., assignor to National Seal Company, Inc., Brooklyn, N. Y. Pouring spout. 1,533,134; Apr. 14.
Orinoka Mills, The. (See Graham, Kemp S., assignor.)
Orthwein, William B., et al. (See Baker, Bert C., assignor.)
Osborne, Harold H., Cleveland, Ohio, assignor to American Magnesium Corporation, Niagara Falls, N. Y. Casting freely-oxidizable metal. 1,533,892; Apr. 14.
Osborne, Lonnie B., and N. M. Lower, Bellevue, Pa., assignors to Franklin Railway Supply Company, New York, N. Y. Coupler for locomotives and tenders. 1,533,135; Apr. 14.
Otto, Wolfgang, Neumuhlen, near Kiel, Germany, assignor to Nederlandsche Technische Handel Maatschappij "Giro," 's Gravenhage, Netherlands. Gyroscopic apparatus having a means for indicating the inclined position of an airship or the like. 1,533,941; Apr. 14.
Overcash, Nellie C., Sawtelle, Calif. Bobbin support for hand knitting machines. 1,533,451; Apr. 14.
Pabst, Otto. (See Cole, L. C., Pabst, and May.)
Panigatti, Umberto, assignor to Metallurgica Bresciana Gia Tempini, Brescia, Italy. Time fuse. 1,533,756; Apr. 14.
Paper and Textile Machinery Co. (See Millispaugh, William H., assignor.)
Paper & Textile Machinery Company, The. (See Wood, Robert F., assignor.)
Parker, Leslie M., Evanston, Ill., assignor to The Hoover Company. Vacuum cleaner. 1,533,806; Apr. 14.
Parker Rust Proof Company. (See Oliver, Edd C., assignor.)
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parrish, John E., Richmond, Va. Reenforced metal supporting stick. 1,533,942; Apr. 14.
Paschke, Alexander G. (See Nicol, William C., assignor.)
Paterno, Charles V., New York, N. Y., assignor, by mesne assignments, to Elliott Company, Pittsburgh, Pa. Boiler construction. 1,533,807; Apr. 14.
Pattison, Leon G. and T. G., Everett, Wash. Teetertooter. 1,533,261; Apr. 14.
Pattison, Thomas G. (See Pattison, Leon G. and T. G.)
Paulen, Percy H., assignor to The Electrical Seal Company, Cleveland, Ohio. Electrical seal. 1,533,452; Apr. 14.
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Payne, William H. (See Mitchell, Harrison J., assignor.)
Paynter, William L., Newcastle-upon-Tyne, England. Side-tipping body for vehicles. 1,533,453; Apr. 14.
Peacock, Samuel, Wheeling, W. Va. Making iron and steel direct. 1,533,262; Apr. 14.
Pearce, Eugene S., Philadelphia, Pa. Signaling apparatus for railway crossings. 1,533,513; Apr. 14.
Peavey, James E., Cincinnati, Ohio. Dry-cell-battery unit. 1,533,385; Apr. 14.
Pelton, Chauncey R., and H. W. Houghton, assignors to Pelton & Crane Company, Detroit, Mich. Dental and surgical lamp. 1,533,605; Apr. 14.
Pelton & Crane Company. (See Pelton, C. R., and Houghton, assignors.)
Pennington, Alan M. (See Jones, W. F., and Pennington.)
Péres, Manuel H., San Pedro Sula, Honduras. Internal-combustion motor. 1,533,454; Apr. 14.
Perkins-Campbell Company, The. (See Campbell, M. D., and Heisey, assignors.)
Perry, Joseph, Jackman, Me. Plate lifter. 1,533,893; Apr. 14.
Perry, Ray P., Upper Montclair, N. J. Producing receptacles. 1,533,606; Apr. 14.
Peterson, Burt A., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Knotter. 1,533,607; Apr. 14.
Peterson, Burt A., assignor, by mesne assignments, to Barber-Colman Company, Rockford, Ill. Knot-tying implement. 1,533,608; Apr. 14.
Peterson, Henry A., Holdrege, Nebr. Haystacker. 1,533,894; Apr. 14.

Peterson, Jonathan, Brooklyn, N. Y., and J. C. Thom, Chicago, Ill., assignors to Combination Machine Company, New York, N. Y. Packaging mechanism. 1,533,455; Apr. 14.

Petroleum Hydrogenation Company of America, Incorporated, The. (See Stevens, Elbridge W., assignor.)

Pfannenstiehl, Harry, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,533,206; Apr. 14.

Pfannenstiehl, Harry, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,533,207; Apr. 14.

Pfeiffer, Fred B., assignor to The Star Rubber Company, Akron, Ohio. Manufacturing tube protectors. 1,533,609; Apr. 14.

Pfister & Vogel Leather Company. (See Hulbert, Edwin F., assignor.)

Pfouts, Leroy S., Canton, Ohio. Ice-cream freezer. 1,533,708; Apr. 14.

Pfund, Hans C. (See Ash, Royal L., assignor.)

Phelps, Frank M., Usk, Wash. Holder. 1,533,136; Apr. 14.

Phillips, Marion. (See Dibble, C. W., and Phillips.)

Pierpont, Frank H., and J. E. Tipton, Horley, England, assignors to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic mechanism. 1,533,456; Apr. 14.

Pierpont, Frank H., Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix-case equipment for type-casting machines. 1,533,457; Apr. 14.

Pierpont, Frank H., Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Matrix-case equipment for typographic machines. 1,533,458; Apr. 14.

Pierpont, Frank H., Horley, England, assignor to Lanston Monotype Machine Company, Philadelphia, Pa. Typographic matric-case equipment. 1,533,459; Apr. 14.

Pineau, Eugene J. (See Kane, J. I., and Fuhrmann, assignors.)

Pines Manufacturing Company. (See Pipenhagen, Charles A., assignor.)

Pinkston, Enoch P. (See Frost, Rupert L., assignor.)

Pipenhagen, Charles A., Chicago, Ill., assignor to Pines Manufacturing Company. Shutter apparatus for radiators. 1,533,460; Apr. 14.

Pixley, Cyril F., Woolwich, London, England. Automatic control of the temperature in the water jackets of internal-combustion engines. 1,534,005; Apr. 14.

Place, George G., Chicago, Ill. Holder for smoking pipes. 1,533,610; Apr. 14.

Plainfield Trust Company, The, administrator. (See Hopkins, Charles E.)

Platt, Clarence D., Bridgeport, Conn. Inclosed switch catch. 1,533,461; Apr. 14.

Pleger, John J., Chicago, Ill. Book or pamphlet covering machine. 1,533,895; Apr. 14.

Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Sound amplifier. Des. 67,046; Apr. 14.

Pleister, Henry W., Westfield, N. J., assignor to H. B. Newhall. Sound amplifier. Des. 67,047; Apr. 14.

Plough, Herbert F. (See Conlan, S. L., and Plough.)

Poeppelmeier, Frank H., assignor to The Haas Letter Service Company, Dayton, Ohio. Printer's chase. 1,533,462; Apr. 14.

Pointon, John E. (See Prescott, W. E., and Pointon.)

Pope, Frederick W., Roxbury, Mass. Gas retarding and adjusting device. 1,533,896; Apr. 14.

Posner, Abraham, Brooklyn, N. Y. Shoe. Des. 67,048; Apr. 14.

Pospisil, Louis J., Spokane, Wash. Hydraulic gate. 1,533,137; Apr. 14.

Postel, Fred J., Chicago, Ill. Temperature-limiting heater. 1,533,463; Apr. 14.

Potts, James W., Gunnison, Miss. Well driver. 1,533,897; Apr. 14.

Pouchain, Adolfo, Turin, Italy. Negative electrode for electric accumulators. 1,533,568; Apr. 14.

Pouchain, Adolfo, Turin, Italy. Electric accumulator. 1,533,569; Apr. 14.

Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)

Pownall, Henry D., Canton, Ohio. Refrigerating apparatus. 1,533,836; Apr. 14.

Prat, Georges J. A. L., Paris, France. Apparatus for obtaining artificial draft. 1,533,898; Apr. 14.

Pratt & Whitney Company. (See Blood, Bryant H., assignor.)

Prescott, William E., Harlesden, London, and J. E. Pointon, Peterborough, assignors to Joseph Baker, Sons and Perkins Limited, London, England. Mechanism for feeding and conveying open receptacles such as tins. 1,533,943; Apr. 14.

Preston, Henry E. (See Folland, H. P., and Preston.)

Preston, Samuel. (See Sokolof, W., and Preston.)

Pridmore, John E. O., Chicago, and E. C. McKinnie, Oak Park, assignors to Curtis Lighting, Incorporated, Chicago, Ill. Lighting fixture. 1,533,808; Apr. 14.

Pringle, Albert L. (See Kelly, J. G., Pringle, and Hall.)

Pritchard, William S., assignor by mesne assignments, to Motor Products Corporation (1923), Detroit, Mich. Tube-severing apparatus. 1,533,263; Apr. 14.

Proser, Joseph G., Chicago, Ill. Method and apparatus for controlling the transformation of fluid energy into work. 1,533,570; Apr. 14.

Prout, William E., Elrama, Pa. Drop door for dumping cars. 1,533,571; Apr. 14.

Provensne, Joseph L., assignor of one-half to I. Agron, Kansas City, Mo. Window or windshield cleaner. 1,533,944; Apr. 14.

Puget Electric Welding Inc. (See Nordine, Axel O., assignor.)

Purdy, Eva T., and C. A. Cornell, Detroit, Mich. Portable stage. 1,533,337; Apr. 14.

Purnell, Enoch, et al. (See Purnell, Lemuel H., assignor.)

Purnell, Lemuel H., Chicago, assignor of one-half to H. G. Goelitz and one-half to E. Purnell, Oak Park, Ill. Jig for making pipe elbows. 1,533,660; Apr. 14.

Pursell Arthur T., Chicago, Ill., assignor to Arnold Electric Company, Racine, Wis. Fruit-juice extractor. 1,533,208; Apr. 14.

Putt, Edward D., and W. C. Stevens, Akron, Ohio, assignors, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Machine for trimming rubber heels. 1,533,139; Apr. 14.

Pyrtle, Jack E., San Francisco, Calif., assignor to Service Products Manufacturing Co., Chicago, Ill. Fountain brush. 1,533,899; Apr. 14.

Quimby, Austin C. (See Williamson, W. P., and Quimby.)

Radu, John W., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube holder. 1,533,209; Apr. 14.

Radu, John W., assignor to Westinghouse Electric Company, Incorporated, New York, N. Y. Vacuum-tube mounting. 1,533,210; Apr. 14.

Racine Confectioners' Machinery Co. (See Hartshorn, Willis N., assignor.)

Racine Confectioners' Machinery Company. (See Hislop, Robert S., assignor.)

Ragot, Charles L., New York, N. Y., assignor to Ragot Motor Corporation. Rotary engine. 1,533,514; Apr. 14.

Ragot Motor Corporation. (See Ragot, Charles L., assignor.)

Rahbek, Knud, and F. A. Johnsen, Copenhagen, Denmark. Apparatus for changing electrical variations to mechanical. 1,533,757; Apr. 14.

Rainey, Paul M., Glen Ridge, N. J., and G. A. Locke, Maspeth, assignors to Western Electric Company, Incorporated, New York, N. Y. Starting device. 1,533,211; Apr. 14.

Raybestos Company. (See Stanley, Frederick C., assignor.)

Raymond, Samuel W., Adrian, Mich. Tractor wheel shift mechanism. 1,533,809; Apr. 14.

Raynor, George J., Detroit, Mich. Fluid-operated rotary driving or driven element. 1,533,338; Apr. 14.

Reading Chain and Block Corporation. (See Howard, Frank H., assignor.)

Reading Chain and Block Corporation. (See Howard, F. H., and Hoffmaster, assignors.)

Reasonover, T. E. (See Hanson, Louis H. assignor.)

Reckart, Charles R., Brady, W. Va. Brake-band control. 1,533,945; Apr. 14.

Redrup, Charles B., Leeds, assignor to P. R. Greenwood and F. Mitchell, London, England. Piston ring. 1,533,946; Apr. 14.

Reed, Elmer A. (See Meyer, A. R., and Reed.)

Reeves, Orwell C., assignor to Toledo Scale Company, Toledo, Ohio. Platform construction. 1,533,140; Apr. 14.

Reid, Thomas A., Wilkinsburg, Pa., asignor to Westinghouse Electric & Manufacturing Company. Electric-furnace resistor. 1,533,264; Apr. 14.

Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric crucible furnace. 1,533,265; Apr. 14.

Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Double-chamber annealing furnace. 1,533,266; Apr. 14.

Reid, Thomas A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Temperature indicator and controller. 1,533,267; Apr. 14.

Reid, Thomas A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric steam boiler. 1,533,268; Apr. 14.

Reid, Thomas A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric furnace. 1,533,269; Apr. 14.

Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Furnace terminal. 1,533,270; Apr. 14.

Reinhardt, James H., East Orange, N. J. Gas burner. 1,533,212; Apr. 14.

Remillong, Nick, Glen Ullin, N. Dak. Garment hanger. 1,533,661; Apr. 14.

Repiltura Corporation. (See Brixey, Austin D., assignor.)

Replogle, Daniel B, Berkeley, Calif. Airway-cleaning apparatus. 1,533,271; Apr. 14.

Respess, Roland B., New York, N. Y., assignor by mesne assignments, to Respro Inc., Cranston, R. I. Adhesive medical tape and making the same. 1,533,272; Apr. 14.

Respess, Roland B., New York, N. Y., assignor by mesne assignments, to Respro Inc., Cranston, R. I. Making a leather substitute. 1,533,273; Apr. 14.

Respess, William R., St. George, N. Y., assignor to New Jersey Research Company. Electrical condenser and manufacturing the same. 1,533,611; Apr. 14.

Respro Inc. (See Respess, Roland B., assignor.)

Respro Inc. (See Smith, Henry H., assignor.)

Reynolds, Charles, Nashville, Tenn., assignor to E. Reynolds. Humidor. 1,533,758; Apr. 14.

Reynolds, De Elbert A., Yonkers, assignor by mesne assignments, to Audiphone Company of America, New York, N. Y. Signaling system. 1,533,515; Apr. 14.

Reynolds, Elyma. (See Reynolds, Charles, assignor.)

Reynolds, Frederick, Walkerville-on-Tyne, assignor of one-half to The Silica Syndicate Limited, Westminster, London, England. Mercury and other vapor electric lamp. 1,533,900; Apr. 14.

Reynolds, Thomas C., Verdi, Minn. Quack-grass machine. 1,533,274; Apr. 14.

Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Clutch-controlling mechanism. 1,533,516; Apr. 14.

Richards, Robert H., Boston, Mass. Furnace. 1,533,572; Apr. 14.

Richardson, Henry F., Brooklyn, and A. Coggeshall, Pleasantville, assignors of one-fourth to H. F. Richardson, Brooklyn, one-fourth to A. Coggeshall, Pleasantville, one-sixth to S. R. Bradley, Nyack, one-sixth to A. M. Cregier, and one-sixth to A. R. Bradley, Orangeburg, N. Y. Junction box. 1,533,759; Apr. 14.

Richardson, Henry F., et al. (See Richardson, H. F., and Coggeshall, assignors.)

Ricker, Chester S., Indianapolis, Ind. Air-cooled cylinder. 1,533,810; Apr. 14.

Riddle, Edward N., Co., The. (See Crowell, Frank S., assignor.)

Ridler, Edward L., St. Paul, Minn. Floor and ceiling plate. 1,533,141; Apr. 14.

Riker, Andrew L., Fairfield, Conn. Constant-compression internal-combustion engine; 1,533,947; Apr. 14.

Robb, Arthur A., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushion-tire structure. 1,533,339; Apr. 14.

Robb, John F., Cleveland Heights, Ohio, assignor to Koebring Company, Milwaukee, Wis. Finishing machine. 1,533,464; Apr. 14.

Robert, Samuel. (See Haskell, Samuel, assignor.)

Roberts, Arthur, Bogue, Kans. End gate. 1,533,275; Apr. 14.

Robertson, William W., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Attaching device for yarn-tube frames. 1,533,340; Apr. 14.

Robinson, Albert P. (See Morrell, Glenn A., assignor.)

Rockwood, George I., Worcester, Mass. Alarm-controlling device for sprinkler systems and the like. 1,533,948; Apr. 14.

Rodgers, Key N., Pittsburgh, Pa. Music-sheet turner. 1,533,862; Apr. 14.

Rodler, Fred, Cincinnati, Ohio. Test molds. 1,533,341; Apr. 14.

Ronning, Adolph. (See Ronning, Andrean G. and A.)

Ronning, Andrean G. and A., Minneapolis, Minn. Ditcher. 1,533,901; Apr. 14.

Ronning, Andrean G. and A., Minneapolis, Minn. Ensilage cutter. 1,533,902; Apr. 14.

Rosenblatt, Isidor, New York, N. Y. Lighting-fixture bracket. Des. 67,050; Apr. 14.

Rosenblatt, Isidor, New York, N. Y. Chandelier or article of similar nature. Des. 67,051; Apr. 14.

Ross, Charles G., assignor of one-half to W. L. Ross, Chicago, Ill. Bumper for motor vehicles. 1,533,612; Apr. 14.

Ross, William L. (See Ross, Charles G., assignor.)

Rothenberg, David, Brooklyn, N. Y. Cap. Des. 67,049; Apr. 14.

Rowe, Frederick A., Vancouver, British Columbia, Canada. Hydraulic dredge. 1,533,485; Apr. 14.

Rowntree, Harold, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y. Safety control mechanism for cars. 1,533,142; Apr. 14.

Ruben, Charles, Pittsburgh, Pa. Man's neckwear. 1,533,663; Apr. 14.

Rubin, Abraham, assignor to Henry Hyman & Co., Inc., New York, N. Y. Variometer connecter. 1,533,613; Apr. 14.

Rush, Charles B., Kiefer, Okla. Oil-well barrel. 1,533,760; Apr. 14.

Russell, Herbert O., and C. L. Panlus, Dayton, Ohio. Condenser. 1,533,334; Apr. 14.

Ryba, Charles F., Beardsley, Kans. Riding attachment for grain drills. 1,533,143; Apr. 14.

Rylander Co., The. (See Rylander, Parrish H., assignor.)

Rylander, Parrish H., assignor to The Rylander Co., Austin, Tex. Seed-cotton conditioner. 1,533,903; Apr. 14.

Sachs, Solomon, New York, N. Y. Portable phonograph. 1,533,949; Apr. 14.

Safion, Herman A. (See Boehringer, John A., assignor.)

Sager, J. H., Company. (See Sager, James H., assignor.)

Sager, James H., assignor to J. H. Sager Company, Rochester, N. Y. Bumper for motor vehicles. 1,533,517; Apr. 14.

Sakss, Andrew, Bridgeport, Conn. Supporting bracket. 1,533,709; Apr. 14.

Salz, Ignats, New York, N. Y. Clip. 1,533,466; Apr. 14.

Sanchez, Jose M., Zapata, Tex. Boll-weevil machine. 1,533,276; Apr. 14.

Sandusky Foundry & Machine Co. (See Milispaugh, William H., assignor.)

Sandvoss, Willy, Frankfort-on-the-Main, Germany. Apparatus for regulating heating systems. 1,533,614; Apr. 14.

Sanford, Charles F., New Orleans, La., assignor of one-half to A. Herbst, New York, N. Y. Finger-nail cleaner. 1,533,664; Apr. 14.

Sanford, Hugh W., Knoxville, Tenn. Railway car. 1,533,761; Apr. 14.

Sanford, Hugh W., Knoxville, Tenn. Mine car. 1,533,762; Apr. 14.

Sargent, Charles E., Indianapolis, Ind. Governor for windmills. 1,533,467; Apr. 14.

Saunders, Maurice M. (See Möller, Hugo, A. O., assignor.)

Saunt, Thomas W., Leigh-on-Sea, England. Mixing valve for gases. 1,533,904; Apr. 14.

Scarth, Harold. (See Heilman, H. E., and Scarth.)

Schaffer, Jacob, assignor to Star Chandelier Company, Inc., New York, N. Y. Five-light body holder for a chandelier. Des. 67,063; Apr. 14.

Schaffer, Jacob, assignor to Star Chandelier Company, Inc., New York, N. Y. Two-light body holder for a chandelier. Des. 67,064; Apr. 14.

Scheib, Georg, assignor of one-fourth to H. Güntherberg, one-fourth to R. Ihlenfeldt, and one-fourth to M. Koch, Berlin, Germany. Method and apparatus for regulating the mixture of gases. 1,533,468; Apr. 14.

Schein, August P., Chicago, Ill. Flowerpot. 1,533,342; Apr. 14.

Schimek, Joseph F., Holden, assignor to Cashiko Machine Company, Worcester, Mass. Antifriction device for eccentric connections. 1,533,763; Apr. 14.

Schlack, Fred C., Laurel, Oreg. Autotruck. 1,533,518; Apr. 14.

Schlatter, Moses, and L. C. Freeman, Los Angeles, Calif. Bumper for vehicles. 1,533,764; Apr. 14.

Schleicher, William A., assignor to The Eberhard Manufacturing Co., Cleveland, Ohio. Door fastener. 1,533,811; Apr. 14.

Schleicher, William A., assignor to The Eberhard Manufacturing Company, Cleveland, Ohio. Bolt snap. 1,533,812; Apr. 14.

Schlich, Otto S. (See Schlich, Victor H., assignor.)

Schlich, Victor H., Southofen, Germany, assignor to O. S. Schlich, New York, N. Y. Mixing process and apparatus therefor. 1,533,950; Apr. 14.

Schmalfuss, Paul, Seiferitz, near Meerane, Germany. Apparatus for cleaning boots and shoes. 1,533,765; Apr. 14.

Schmidt, Charles R., Baltimore, Md. Water-circulating system for automobile engines. 1,533,469; Apr. 14.

Schmidt, Henry F., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Governor. 1,533,766; Apr. 14.

Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Governor. 1,533,767; Apr. 14.

Schmitt, Otto G., Chicago, Ill. Clothesrack. 1,533,470; Apr. 14.

Schodrowsky, Herman R., Marion Township, Saginaw County, Mich. Auto power folding tool grinder. 1,533,768; Apr. 14.

Schoenfeld, Joseph, Alameda, assignor to The Magnavox Company, San Francisco, Calif. Electric-heater casing. Des. 67,052; Apr. 14.

Schols, Maria, Leichlingen, Germany. Dyeing textile and like material. 1,533,769; Apr. 14.

Schriner, Charles F., Cleveland, Ohio, assignor to The National Steel Barrel Company. Retaining check-valve balls in pistons. 1,533,665; Apr. 14.

Schroeder, Carl E., Hoboken, N. J. Producing metals or alloys. 1,533,519; Apr. 14.

Schroeder, Karl, Dusseldorf, assignor to the Firm Heinrich Lanz, Mannheim, Germany. Apparatus for separating and binding dust or other impurities in combustion air of combustion engines. 1,533,813; Apr. 14.

Schuermann, Anton C. (See Mueller, P., Schuermann, and Lucas.)

Schurts, Ralph E., Kansas City, Mo. Nonreturn valve. 1,533,144; Apr. 14.

Schwab, James W., Gulf, assignor to Texas Gulf Sulphur Company, Bay City, Tex. Casting sulphur. 1,533,213; Apr. 14.

Schwartz, Herbert W., Chicago, Ill. Headlight. 1,533,615; Apr. 14.

Schweiker, Roy W., assignor to Franklin Pottery, Lansdale, Pa. Lighting fixture. Des. 67,053; Apr. 14.

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,533,814; Apr. 14.

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,533,815; Apr. 14.

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,533,816; Apr. 14.

Seeger, Bernard P., San Francisco, Calif. Hose supporter. 1,533,951; Apr. 14.

Segal Metal Products Company. (See Segal, Samuel, assignor.)

Segal, Samuel, assignor to Segal Metal Products Company, Inc., New York, N. Y. Lock. 1,533,343; Apr. 14.
Selenkow, Jacob K., Brooklyn, assignor to Hygrade Mechanical Toy Manufacturing Co., Inc., Brooklyn, N. Y. Child's vehicle. 1,533,520; Apr. 14.
Service Products Manufacturing Co. (See Pyrtle, Jack E., assignor.)
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,054; Apr. 14.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,055; Apr. 14.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,056; Apr. 14.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,057; Apr. 14.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,058; Apr. 14.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,059; Apr. 14.
Shafran, Edward M., Brooklyn, N. Y. Convertible garment. 1,533,952; Apr. 14.
Shaw, Harold N., Milwaukee, Wis. Automatic circuit maker and breaker. 1,533,770; Apr. 14.
Shepherd, William E., Huron, Ohio. Fishing device. 1,533,471; Apr. 14.
Shields, Willie A., Birmingham, Ala. Bag-mounting appliance. 1,533,666; Apr. 14.
Shipley, Stanley D., and G. C. Given, Stamford, Conn., assignors to Atlas Powder Company, Wilmington, Del. Lacquer and lacquer enamel. 1,533,616; Apr. 14.
Shine, Charles L., Philadelphia, Pa. Cylinder bearing for couplers. 1,533,472; Apr. 14.
Shoemaker, Robert J., assignor to Leadizing Company, Chicago, Ill. Metal-coating process. 1,533,473; Apr. 14.
Short, Gurney L., Angus, Minn. Animal-restraining device. 1,533,953; Apr. 14.
Shotton, John C., Lakewood, Ohio. Dental casting device and process. 1,533,474; Apr. 14.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Siemens & Halske, Aktiengesellschaft. (See Ehrhardt, Erwin, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Keinath, Georg, assignor.)
Silica Syndicate Limited, The. (See Reynolds, Frederick, assignor.)
Simond, Walter A. (See Murphy, G., and Simond.)
Simpson, George N., Chicago, Ill. Car dumper. 1,533,667; Apr. 14.
Singer Manufacturing Company, The. (See Dosch, Oliver L., assignor.)
Singer Manufacturing Company, The. (See Noble, Donald, assignor.)
Singleton, William H., Canton, Ohio. Ship-ventilator cowl. 1,533,344; Apr. 14.
Skiles, Hugh H., Fairmont, W. Va. Port relief arch. 1,533,954; Apr. 14.
Skoog, Robert W. (See Voress, C. L., Canter, and Skoog.)
Slade, Harold E., assignor to Beaver Machine & Tool Company, Inc., Newark, N. J. Socket plug. 1,533,771; Apr. 14.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Preventing armature-coil heating. 1,533,277; Apr. 14.
Slepian, Joseph, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Plate-circuit excitation. 1,533,278; Apr. 14.
Sloan, Harold D., Colony, Wyo. Propelling toy. 1,533,772; Apr. 14.
Sloyer, Harold W. (See Kichline, F. O., and Sloyer.)
Smith, Charles A., Columbus, Ohio. Ceiling for concrete floors. 1,533,817; Apr. 14.
Smith, Harry H., Conimicut, assignor to Respro Inc., Providence, R. I. Manufacture of footwear. 1,533,668; Apr. 14.
Smith, Herbert M., Farmington, Conn., assignor to United States Hat Machinery Corporation, Richmond, Va. Felt shrinking. 1,533,345; Apr. 14.
Smith, Lou W., Chicago, Ill. Making paper-box fasteners. 1,533,352; Apr. 14.
Smith, Philip J., Saginaw, Mich. Feed conveyer for planers. 1,533,353; Apr. 14.
Smith, Sheffield, North Providence, R. I. Guard for automobiles. 1,533,214; Apr. 14.
Smith, William E., Fond du Lac, Wis. Puzzle. 1,533,145; Apr. 14.
Smoak, Elliott B., Daytona, Fla. Vehicle body for grain or stock. 1,533,475; Apr. 14.
Société Anonyme la Chevrette. (See Jacony, Pierre, assignor.)
Sohn, Edward A., assignor to Bedford Foundry & Machine Company, Bedford, Ind. Sheave. 1,533,476; Apr. 14.
Sokolof, William, and S. Preston, Brooklyn, N. Y. Liquid-level indicator. 1,533,138; Apr. 14.
Solomon, Harry, New York, N. Y. Machine for applying backs to mirrors. 1,533,669; Apr. 14.
Sontag, Jacob. (See Nathanson, P., and Sontag.)
Soss, Joseph, and L. H. Morin, New York, assignors to Soss Manufacturing Co., Brooklyn, N. Y. Die-casting machine. 1,533,617; Apr. 14.
Soss Manufacturing Co. (See Soss, J., and Morin, assignors.)
Souder, Harvey S. (See Jobson, W. P., and Souder.)
Souderton Manufacturing Co. (See Jobson, W. P., and Souder, assignors.)
Spalding, Elton W., Durango, Colo. Gear shift. 1,533,215; Apr. 14.
Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
Sperr, Frederick W., jr., and R. E. Hall, assignors to The Koppers Company, Pittsburgh, Pa. Gas-purification process. 1,533,773; Apr. 14.
Spiller, Joseph, Seattle, Wash. Phorioscope. 1,533,573; Apr. 14.
Spindler, Walter C., Stevens Point, Wis. Game. 1,533,774; Apr. 14.
Spratling, Roper C., Opelika, Ala. Poultry-raising apparatus. 1,533,574; Apr. 14.
Sproul, William C., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Automatic work fixture. 1,533,710; Apr. 14.
Stahl, Edward J., assignor to The Baker R. & L. Company, Cleveland, Ohio. Vehicle body. 1,533,354; Apr. 14.
Stanley, Frederick C., assignor to Raybestos Company, Bridgeport, Conn. Making friction facings and product. 1,533,216; Apr. 14.
Stanley, Robert C., New Brighton, assignor to The International Nickel Company, New York, N. Y. Manufacture of alloys. 1,533,818; Apr. 14.
Star Chandelier Company. (See Schaffer, Jacob, assignor.)
Star Rubber Company, The. (See Pfeiffer, Fred B., assignor.)
Stark, Frederick W., assignor to International Silver Company, Meriden, Conn. Plate or similar article. Des. 67,060; Apr. 14.
Stauffer, Claude R. (See Stauffer, Henry M. and C. R.)
Stauffer, Henry M. and C. R., Leola, Pa. Brooder house. 1,533,905; Apr. 14.
Stearn, Franklin A., Paterson, N. J., and J. C. McAuliffe, Bronx, assignors to Western Electric Company, Incorporated, New York, N. Y. Routine test circuits for central-office senders. 1,533,477; Apr. 14.
Steele, Charles G., Berkeley, assignor, by mesne assignments, to J. I. Finn, Los Angeles, Calif. Apparatus for making metallic axles. 1,533,670; Apr. 14.
Steele, Herbert H., Syracuse, N. Y. Machine to test the teeth of spur gears. 1,533,671; Apr. 14.
Steese, Rollin C., Youngstown, Ohio. Manufacture of puddled iron. 1,533,819; Apr. 14.
Steiner, Joseph C., St. Louis, Mo. Safety device for food choppers. 1,533,217; Apr. 14.
Stella, Joseph, New York, and W. R. Wisser, assignors to Brooklyn Fibre Syndicate, Inc., Brooklyn, N. Y. Corner-fastening means for folding boxes. 1,533,478; Apr. 14.
Stevens, Elbridge W., Baltimore, Md., assignor to The Petroleum Hydrogenation Company of America, Incorporated, Wilmington, Del. Apparatus for and process of treating with high-tension currents. 1,533,711; Apr. 14.
Stevens, William C. (See Putt, E. D., and Stevens.)
Stewart, Arthur C. (See Torrance, William F., assignor.)
Stickney, Burnham C., Elisabeth, N. J. Typewriting machine. 1,533,355; Apr. 14.
Stinn, Edward L., Neola, Iowa. Valve grinder. 1,533,218; Apr. 14.
Stinson, Hugh B., Glenwood, Minn., assignor of one-half to R. M. Voorhees, Peoria, Ill. Grain-cleaning attachment for thrashing machines. 1,533,907; Apr. 14.
Stitt, James T., Nemogs, Ontario, Canada. Shears for cutting and trimming grass and hedges. 1,533,479; Apr. 14.
Stockstill, James O., Rocky Ford, Colo. Beet harvester. 1,533,672; Apr. 14.
Stone, Louis J., Hallock, Minn. Weeding attachment for cultivators. 1,533,673; Apr. 14.
Straus, Harry H. (See Heygel, Paul R., assignor.)
Strauss, Benno, Essen-Bredeney, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Steel alloy. 1,533,712; Apr. 14.
Stricker, William, Kansas City, Mo. Drier. 1,533,480; Apr. 14.
Strodel, Matthias. (See Zitterbart, Anthony, assignor.)
Stukey, Albert F., East Hollywood, Calif. Casement window. 1,533,521; Apr. 14.
Stumpf, Johann, Berlin, Germany. Locomotive with three cylinders. 1,533,146; Apr. 14.
Sturgeon, Jeremiah D., Guthrie, Okla. Electrical connection for railway rails. 1,533,279; Apr. 14.
Sugerman, Philip, New York, N. Y. Combination furniture. 1,533,219; Apr. 14.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sun Oil Company. (See Maitland, Harold T., assignor.)
Svendsgaard, Sverre R., Tekoa, Wash. Dispensing machine. 1,533,147; Apr. 14.

Svenson, Charles W., New Britain, Conn. Speedometer. 1,533,674; Apr. 14.
Swenson, Kasper O., assignor to Norton Company, Worcester, Mass. Grading machine. 1,534,015; Apr. 14.
T. & L. Co., The. (See Tueckmantel, Hugo, assignor.)
Tadd, Roy W., Los Angeles, Calif. Adjustable diaphragm plate. 1,533,522; Apr. 14.
Tallion, George, Malone, N. Y. Journal-box jack. 1,533,280; Apr. 14.
Tandel, Fritz, assignor to the Firm C. G. Haubold A. G., Chemnitz, Saxony, Germany. Friction clutch. 1,533,955; Apr. 14.
Tappan Stove Company, The. (See Taylor, Thomas E., assignor.)
Tatny, Frank, New York, N. Y. Helicopter mechanism for flying machines. 1,533,713; Apr. 14.
Taylor, Huston, Detroit, Mich. Bumper impact bar. Des. 67,061; Apr. 14.
Taylor Instrument Companies. (See Marsh, Edward S., assignor.)
Taylor, James, jr., Worcester, Mass. Instrument for ear treatment. 1,533,618; Apr. 14.
Taylor, Thomas E., assignor to The Tappan Stove Company, Mansfield, Ohio. Stove structure. 1,533,098; Apr. 14.
Taylor-Wharton Iron and Steel Company. (See Baker, Raymond H., assignor.)
Taylor-Wharton Iron and Steel Company. (See Hanks, G. R., and Wood, assignors.)
Taylor, William H., C. W. Downs, and J. W. Barbey, Detroit, Mich. Multiple-fuse plug. 1,533,714; Apr. 14.
Tauts, Herbert E., Milwaukee, Wis., assignor to E. J. Cady, River Forest, Ill. Testing machine. 1,533,281; Apr. 14.
Teague, Edwin D., Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 67,062; Apr. 14.
Technical Research Work Limited. (See Lush, Ernest J., assignor.)
Templeton, Walter B. (See Malicki, Joseph, assignor.)
Tentobed Company. (See Whitehead, Robert R., assignor.)
Ternstedt Manufacturing Company. (See Archer, T. P., and Heintz, assignors.)
Terry, Herbert, & Sons, Limited. (See Eaton, George H., assignor.)
Texas Company, The. (See Pants, F. C., and Hill, assignors.)
Texas Gulf Sulphur Company. (See Schwab, James W., assignor.)
Thom, James C. (See Peterson, J., and Thom.)
Thoma, Walter, assignor to E. W. Bliss Company, Brooklyn, N. Y. Cup separator for feeds. 1,533,523; Apr. 14.
Thomas, Albert, Paris, France. Microphone. 1,533,675; Apr. 14.
Thomas, Horace T., Lansing, Mich. Charge-forming device for internal-combustion engines. 1,533,775; Apr. 14.
Thomas, Thomas H., Edgewood, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake device. 1,533,481; Apr. 14.
Thompson, James A., Rushville, Ill., assignor to Gladacres Incorporated. Latch device. 1,533,619; Apr. 14.
Thomson, S. H., Manufacturing Company, The. (See Hummert, Robert H., assignor.)
Thornton, Curtis, Versailles, Ind. Mail box. 1,533,956; Apr. 14.
Thornton, Frank, jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Protective system for heating devices. 1,533,282; Apr. 14.
Thornton, Frank, jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic thermal control system. 1,533,283; Apr. 14.
Threm, William, Cincinnati, Ohio. Combined storage battery and rectifier. 1,533,906; Apr. 14.
Tiburtius, Carl, Kiel, Germany. Transport. 1,533,776; Apr. 14.
Tiemann, Harry D., Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Progressive dry kiln for lumber. 1,533,715; Apr. 14.
Timken Roller Bearing Company, The. (See Ehn, Erik W., assignor.)
Tin Decorating Company of Baltimore, The. (See Hermani, Henry, assignor.)
Tipton, Joseph E. (See Pierpont, F. H., and Tipton.)
Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Side-door construction. 1,533,620; Apr. 14.
Tobin, Kenneth J., and W. W. Darrow, assignors to Camel Company, Chicago, Ill. Latching mechanism. 1,533,621; Apr. 14.
Todd, Victor H., Rainbow Lake, N. Y. Electrical measuring instrument. 1,533,356; Apr. 14.
Toledo Scale Company. (See Crane, Samuel G., assignor.)
Toledo Scale Company. (See Hess, Halvor O., assignor.)
Toledo Scale Company. (See Reeves, Orwell C., assignor.)
Tomkins, Edwin S., Hay, New South Wales, and A. Mair, Melbourne, Victoria, Australia. Folding top frame for automobiles. 1,533,148; Apr. 14.
Tonoh-Metal Producing Company. (See Kuster, Charles A., assignor.)
Toole, William H., Lockhart, Ala. Adjustable cutter head. 1,533,575; Apr. 14.
Toomey, William C., Harrisburg, Pa. Movable headlight. 1,533,957; Apr. 14.
Torrance, William F., Dalmuir, assignor of one-half to A. C. Stewart, Clydebank, Scotland. Safety device for mine cages, lifts, and the like. 1,533,576; Apr. 14.
Tromans, Thomas, Bridgeport, and E. L. Whitney, Stratford, Conn. Game. 1,533,676; Apr. 14.
Troy Laundry Machinery Co. (See Balser, Fritz, assignor.)
Tueckmantel, Hugo, assignor to The T. & L. Co. Inc., Newark, N. J. Bag-frame registering and handle connection. 1,533,149; Apr. 14.
Turbine Fuel Oil Burner Co. (See Hurd, Benjamin W., assignor.)
Turney, Eugene T., Holmes, assignor to Eugene T. Turney Laboratories, Inc., Newark, N. J. Telephone headset. 1,533,524; Apr. 14.
Turney, Eugene T., Laboratories, Inc. (See Turney, Eugene T., assignor.)
Tursky, Charles M., New York, N. Y. Air compressor. 1,533,958; Apr. 14.
Ulrich, Carl J., Lake Crystal, and W. A. Miller, Minneapolis, Minn. Machine for washing serving trays. 1,533,150; Apr. 14.
Underwood Typewriter Company. (See Ansart, Louis L., assignor.)
Underwood Typewriter Company. (See Corcoran, Cornelius B., assignor.)
Union Hardware Company. (See Fritz, Adolph H., assignor.)
United Railway Equipment Company. (See Hyle, Jacob A., assignor.)
United Shoe Machinery Corporation. (See Putt, E. D., and Stevens, assignors.)
United States Hat Machinery Corporation. (See Chudobe, Frank F., assignor.)
United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)
United States Hat Machinery Corporation. (See Lorens, William A., assignor.)
United States Hat Machinery Corporation. (See Smith, Herbert M., assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Vacscrub Company. (See Veal, Sidney O. U., assignor.)
Van Deventer, Harry R., New York, N. Y., assignor to Dubilier Condenser and Radio Corporation. Combination electric battery and condenser. 1,533,525; Apr. 14.
Vapor Car Heating Company. (See Geissinger, Harry G., assignor.)
Varn Buhler, John J., Detroit, Mich. Rust-removing compound. 1,533,622; Apr. 14.
Veal, Sidney O. U., Harrogate, assignor to Vacscrub Company, Limited, South Shields, England. Washing plunger. 1,533,577; Apr. 14.
Veline, Nils J. (See Erson, Carl J., assignor.)
Verville, Alfred V., Dayton, Ohio. Annular radiator mounting for airplanes. 1,533,284; Apr. 14.
Verville, Alfred V., Dayton, Ohio. Aircraft fuselage. 1,533,285; Apr. 14.
Viberg, Ernest R. (See Canfield, A. J., and Viberg.)
Vick, Frank H., assignor to Nicholas Power Company, Inc., New York, N. Y. Radially-opening fire shutter. 1,533,151; Apr. 14.
Viel, Georges, St. Etienne, France. Transmission of electric energy. 1,533,623; Apr. 14.
Vivas, Fernando S., Oakland, Calif. Water and fire proofing timber. 1,533,526; Apr. 14.
Voorhees, Elvan M. (See Stinson, Hugh B., assignor.)
Voorheis, Joseph T., Oakland, assignor to Coen Co., Inc., San Francisco, Calif. Burner head and mounting. 1,533,482; Apr. 14.
Voress, Clyde L., V. C. Canter, and R. W. Skoog, Charleston, W. Va. Process and apparatus for the recovery of gaseous vapors. 1,533,716; Apr. 14.
Voss, Jack, Boyden, Iowa. Exhaust-gas remover. 1,533,483; Apr. 14.
Vulcan Last Company, The. (See Searl, Clinton M., assignor.)
Wadell, Albert H., Newark, N. J. Piston. 1,533,152; Apr. 14.
Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)
Wagner, Emil, Loveland, Colo. Electric soldering device. 1,533,959; Apr. 14.
Waisman, Abraham. (See Basskin, B., and Waisman.)
Walden-Worcester, Inc. (See Bellows, Warren S., assignor.)
Walker, George W., Platteville, Wis. Animal-spraying attachment for milking machines. 1,533,578; Apr. 14.
Walker, Hobart A., jr., Maplewood, N. J. Dust collector. 1,533,777; Apr. 14.
Walker Manufacturing Company. (See Dearsley, Irwin E., assignor.)
Walker, William H., Bridgton, Me., assignor, by mesne assignments, to Elliott Company, Pittsburgh, Pa. Purifying water. 1,533,778; Apr. 14.
Waller, Warren E., Charles City, Iowa. Poultry rack. 1,533,484; Apr. 14.

Ward Leonard Electric Company. (See Bullinger, Frederic H., assignor.)
Ward, William J., San Francisco, Calif. Tobacco box. 1,533,527; Apr. 14.
Warner Gear Company. (See White, Samuel O., assignor.)
Warren Clock Company. (See Warren, Henry E., assignor.)
Warren, Henry E., Ashland, Mass., assignor to General Electric Company. Motor-operated time switch. 1,533,677; Apr. 14.
Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Electric-clock system. 1,533,678; Apr. 14.
Washburn, Willis F., assignor to National Pigments & Chemical Company, St. Louis, Mo. Bleaching barytes. 1,533,779; Apr. 14.
Washington Steel Form Company. (See Wells, Hewitt, assignor.)
Waterbury Clock Co., The. (See Wehinger, Frederick, assignor.)
Waterloo Gasoline Engine Company. (See McCray, Harold E., assignor.)
Watson, Charles P., York, Pa. Percussion fuse. 1,534,011; Apr. 14.
Watson, Charles P., York, Pa. Percussion fuse. 1,534,012; Apr. 14.
Watson, Minnie H., et al. (See Bath6, Charles G., assignor.)
Weaver, John A., Greeley, Colo. Massage instrument. 1,533,528; Apr. 14.
Webb, George E., assignor to Koehring Company, Milwaukee, Wis. Concrete-pavement-finishing machine. 1,533,485; Apr. 14.
Webber, Joseph A., Vancouver, Wash. Log-splitting gun. 1,533,579; Apr. 14.
Webster, Ralph C., Haverhill, Mass. Traction grip for tires. 1,533,679; Apr. 14.
Wehinger, Frederick, assignor to The Waterbury Clock Co., Waterbury, Conn. Clock movement. 1,533,529; Apr. 14.
Weinberg, Max. (See Bailer, F. W., and Weinberg.)
Weinrott, Emil B., Molino, Ill. Ventilated head garment. 1,533,624; Apr. 14.
Welch, Augustine W., Philadelphia, Pa., assignor to Columbia Salvage Corporation, New York, N. Y. Method and apparatus for removing primers from artillery-cartridge casings. 1,533,486; Apr. 14.
Wells, Hewitt, assignor to Washington Steel Form Company, Washington, D. C. Form for concrete construction. 1,533,960; Apr. 14.
West, Henry, Oakland, Calif. Side-necked dropping bottle. 1,533,358; Apr. 14.
Western Electric Company. (See Beatty, William E., assignor.)
Western Electric Company. (See Brownell, Frederick J., assignor.)
Western Electric Company. (See Clausen, H. P., and Goodrum, assignors.)
Western Electric Company. (See Dowd, Andrew D., assignor.)
Western Electric Company. (See Fletcher, Harvey, assignor.)
Western Electric Company. (See Gilbert, John J., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company. (See Hargan, Augustus D., assignor.)
Western Electric Company. (See Keckler, Charles W., assignor.)
Western Electric Company. (See Kelsay, Le Roy W., assignor.)
Western Electric Company. (See Lundius, Eric R., assignor.)
Western Electric Company. (See Malm, Frank S., assignor.)
Western Electric Company. (See Murphy, Paul B., assignor.)
Western Electric Company. (See Pfannenstiehl, Harry, assignor.)
Western Electric Company. (See Radu, John W., assignor.)
Western Electric Company. (See Rainey, P. M., and Locke, assignors.)
Western Electric Company. (See Stearn, F. A., and McAuliffe, assignors.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Lewis, Lloyd V., assignor.)
Westinghouse Air Brake Company, The. (See Thomas, Thomas H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Baker, Ralph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Baumann, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Chubb, Lewis W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dobson, John V., assignor.)
Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hands, Howard A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Johnston, Howard H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Lewis, Harry A., assignor.)
Westinghouse Electric & Manufacturing Company. (See MacFarland, Allis M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Myers, John S., assignor.)
Westinghouse Electric & Manufacturing Company. (See Newberg, Hugh W., assignor.)
Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)
Westinghouse Electric & Manufacturing Company. (See Woodson, James C., assignor.)
Westinghouse Electric Products Company. (See Forshee, Frank F., assignor.)
Westinghouse Electric Products Company. (See Woodson, James C., assignor.)
Wheatley, Russell H., and L. C. Clark, North Abington, Mass. Indicator. 1,533,530; Apr. 14.
Whipp, John W., assignor of one-half to M. H. Moore, Fort Worth, Tex. Knee protector. 1,533,907; Apr. 14.
White, Charles E., Moline, Ill. Harvesting machine. 1,533,359; Apr. 14.
White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Auxiliary transmission. 1,533,531; Apr. 14.
White, William L., Newburgh, N. Y. Game apparatus. 1,533,487; Apr. 14.
Whitehead, Robert R., assignor to Tentobed Company, Chicago, Ill. Camper's tent. 1,533,820; Apr. 14.
Whitney, Ernest L. (See Tromans, T., and Whitney.)
Wiarda, John C., & Co. (See Mullen, George W., assignor.)
Wickersham, Harry P., Walnut Park, Calif. Well-drilling bit. 1,533,286; Apr. 14.
Wiederhold, Oscar, Philadelphia, Pa. Electrically-actuated gauge. 1,533,680; Apr. 14.
Wiedrick, Nathaniel W., et al. (See Bath6, Charles G., assignor.)
Wilkinson, Walter, Philadelphia, Pa. Picker stick. 1,533,532; Apr. 14.
Williams, Harry, et al. (See Baker, Bert C., assignor.)
Williams, James E., Spring City, Pa. Shoe. 1,533,287; Apr. 14.
Williams, John H., West Palm Beach, Fla. Inlay vulcanizer and press. 1,533,625; Apr. 14.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,533,153; Apr. 14.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Circuit-controlling apparatus. 1,533,154; Apr. 14.
Williamson, William P., and A. C. Quimby, Ludlow, Mass. Safety device for automobiles. 1,533,717; Apr. 14.
Wilson, Emmet, Calexico, Calif. Suitcase and luggage holder. 1,533,488; Apr. 14.
Wilson, Frederick D., and L. S. Burns, Harvey, assignors, by mesne assignments, to Austin Manufacturing Co., Chicago, Ill. Transmission device. 1,533,626; Apr. 14.
Wilson-Jones Loose Leaf Company. (See Meyer, A. R., and Reed, assignors.)
Wilson-Jones Loose Leaf Company. (See Newman, George W., assignor.)
Wilson, Lydon F. (See Becker, Ernest, assignor.)
Winters, Alexander F., and B. R. Crampton, Grand Rapids, Mich. Latch. 1,533,489; Apr. 14.
Wirfs, Edward J., St. Louis, Mo. Weather strip. 1,533,490; Apr. 14.
Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Combustion chamber for oil-burning furnaces. 1,533,533; Apr. 14.
Wisser, William R. (See Stella, J., and Wisser.)
Witkus, Frank F., Newport, N. H. Tip-perforating machine. 1,533,681; Apr. 14.
Wolf, Harry G. (See Keefer, Walter L., assignor.)
Wollaston, Thomas R., Manchester, England. Device for deflecting, opening, and crushing fuel or material in a retort above a gas producer. 1,533,718; Apr. 14.
Wolter, Henry J., St. Cloud, Minn. Toy gun. 1,533,908; Apr. 14.
Wolverine Bumper & Specialty Company. (See Godwin, Arthur M., assignor.)

Wood, Gerritt V. (See Hanks, G. R., and Wood.)
Wood, Robert F., assignor to The Paper & Textile Machinery Company, Sandusky, Ohio. Casting process and apparatus. 1,533,780; Apr. 14.
Wood, William H., South Euclid, Ohio. Automobile light. 1,533,360; Apr. 14.
Woodhouse, Benjamin, Seattle, Wash. Plaster board. 1,533,580; Apr. 14.
Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Electric muffle furnace. 1,533,288; Apr. 14.
Woodson, James C., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Street-car heater. 1,533,289; Apr. 14.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric candy-warming table. 1,533,290; Apr. 14.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Steriliser heater. 1,533,291; Apr. 14.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrically-heated device. 1,533,292; Apr. 14.
Woodson, James C., East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric heating unit. 1,533,293; Apr. 14.
Woolf, Millard O., Oatville, Kans. Intake attachment for air washers. 1,533,719; Apr. 14.
Worthington Pump and Machinery Corporation. (See Feustman, Leon P., assignor.)
Woywot, Walter J., assignor of one-half to H. Zaeseck, Chicago, Ill. Ash receiver. 1,533,682; Apr. 14.
Wright, George F., and A. S. Knapp, assignors to G. F. Wright Steel & Wire Company, Worcester, Mass. Furnace for heat treatment of metal. 1,533,491; Apr. 14.
Wright, G. F., Steel & Wire Company. (See Wright, G. F., and Knapp, assignors.)
Yocum, Charles P., assignor to The Buckeye Traction Ditcher Company, Findlay, Ohio. Rooter-tooth attachment for excavating buckets. 1,533,781; Apr. 14.
Zaeseck, Hugo. (See Woywot, Walter J., assignor.)
Zanon, Remo C., assignor of one-half to J. J. Ferlin, Modesto, Calif. Mowing attachment for tractors. 1,533,492; Apr. 14.
Zaremba Company. (See Hughes, Burton S., assignor.)
Ziegler, Robert, Chicago, Ill. Level and plumb. 1,533,961; Apr. 14.
Zinner, Edith, Miles City, Mont. Flytrap. 1,533,294; Apr. 14.
Zitterbart, Anthony, assignor to M. Strodel, Buffalo, N. Y. Window-operating mechanism. 1,533,155; Apr. 14.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 14TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator. D. Božić. 1,533,692; Apr. 14.
Aeroplane. J. D. Hornbuckle sr. 1,533,553; Apr. 14.
Aeroplanes, Location of benzine tanks in. A. H. G. Fokker. 1,533,312; Apr. 14.
Agricultural implement. I. E. McGee. 1,533,878; Apr. 14.
Air compressor. C. M. Tursky. 1,533,958; Apr. 14.
Air-conditioning system. W. B. Hodge. 1,533,859; Apr. 14.
Aircraft fuselage. A. V. Verville. 1,533,285; Apr. 14.
Aircraft, Shock absorber suitable for use on. H. P. Folland and H. E. Preston. 1,533,844; Apr. 14.
Airplanes, Annular radiator mounting for. A. V. Verville. 1,533,284; Apr. 14.
Airship or the like, Gyroscopic apparatus having a means for indicating the inclined position of an. W. Otto. 1,533,941; Apr. 14.
Air washers, Intake attachment for. M. O. Woolf. 1,533,719; Apr. 14.
Airway-cleaning apparatus. D. B. Replogle. 1,533,271; Apr. 14.
Alloy, Steel. B. Strauss. 1,533,712; Apr. 14.
Alloys, Manufacture of. R. C. Stanley. 1,533,818; Apr. 14.
Alloys to one another or to other metals or alloys, a flux for use therein, and the product thereof, Uniting pieces of certain. H. P. Cleveland. 1,533,539; Apr. 14.
Amalgamator. W. P. Jobson and H. S. Souder. 1,533,557; Apr. 14.
Ammunition. H. P. Martin and O. D. Lucas. 1,533,199; Apr. 14.
Ammunition, Method and apparatus for salvaging artillery. G. Allison. 1,533,088; Apr. 14.
Amusement device. C. D. Hutchins. 1,533,914; Apr. 14.
Anchor lock, Disappearing. F. E. Best. 1,533,629; Apr. 14.
Animal-restraining device. G. L. Short. 1,533,953; Apr. 14.
Animal trap. V. M. Frogge. 1,533,589; Apr. 14.
Annealing box. H. H. Hummel. 1,533,249; Apr. 14.
Annealing furnace, Double-chamber. T. A. Reid. 1,533,266; Apr. 14.
Annealing furnace or leer. W. O. Amsler. 1,533,298; Apr. 14.
Armature-coil heating, Method and apparatus for preventing. C. L. Fortescue. 1,533,242; Apr. 14.
Armature-coil heating, Preventing. J. Slepian. 1,533,277; Apr. 14.
Arm band and the like. E. A. Olson. 1,533,996; Apr. 14.
Ash receiver. W. J. Woywot. 1,533,682; Apr. 14.
Audions, Neutralizing capacity coupling in. L. A. Hazeltine. 1,533,858; Apr. 14.
Auto serving set. C. E. Hart. 1,533,857; Apr. 14.
Auto shade. J. W. Foley. 1,533,731; Apr. 14.
Autographic register. H. H. Konerman. 1,533,320; Apr. 14.
Automobile bumper. I. Feiner. 1,534,010; Apr. 14.
Automobile bumper clamp. W. E. Dunston. Des. 67,021; Apr. 14.
Automobile dash and body construction. J. S. Booth. 1,533,093; Apr. 14.
Automobile guard. S. Smith. 1,533,214; Apr. 14.
Automobile light. W. H. Wood. 1,533,360; Apr. 14.
Automobile protector. J. S. Miller, jr. 1,533,508; Apr. 14.
Automobile reflecting device. S. Mógor. 1,533,937; Apr. 14.
Automobile safety device. L. B. Curtis. 1,533,635; Apr. 14.
Automobile safety device. W. P. Williamson and A. C. Quimby. 1,533,717; Apr. 14.
Automobile spring spreader. G. L. E. Klingbeil. 1,533,992; Apr. 14.
Automobile starting mechanism. O. Brisbois. 1,533,373; Apr. 14.
Automobile step plate. C. A. Dunham. Des. 67,020; Apr. 14.
Automobile top. M. Noble. 1,533,448; Apr. 14.
Automobile transmission. S. I. Fekete and S. G. Baits. 1,533,641; Apr. 14.
Automobiles, Folding top frame for. E. S. Tomkins and A. Mair. 1,533,148; Apr. 14.
Autotruck. F. C. Schlack. 1,533,518; Apr. 14.
Axles, Apparatus for making metallic. C. G. Steele. 1,533,670; Apr. 14.
Bag: *See*—
Hand bag.
Bag fastener. W. C. Hiering. 1,533,189; Apr. 14.
Bag-frame registering and handle connection. H. Tueckmantel. 1,533,149; Apr. 14.
Bag holder. J. O. and E. H. Herman. 1,533,114; Apr. 14.
Bag-mounting appliance. W. A. Shields. 1,533,666; Apr. 14.
Ball-mill lining. R. H. Baker. 1,534,000; Apr. 14.
Bandit trap. E. Galterio. 1,533,243; Apr. 14.
Bank, Recording book. J. Levine. 1,533,600; Apr. 14.
Barytes, Bleaching. W. F. Washburn. 1,533,779; Apr. 14.
Battery and condenser, Combination electric. H. R. Van Deventer. 1,533,525; Apr. 14.
Battery and rectifier, Combined storage. W. Threm. 1,533,906; Apr. 14.
Battery unit, Dry-cell. J. E. Peavey. 1,533,335; Apr. 14.
Bearing. F. W. Gurney. 1,533,184; Apr. 14.
Bearing for couplers, Cylinder. C. L. Shine. 1,533,472; Apr. 14.
Bearing, Metal. J. G. Kelly, A. L. Pringle, and H. Hall. 1,533,118; Apr. 14.
Bearing separator, Ball. F. W. Gurney. 1,533,185; Apr. 14.
Bearings, Assembling roller. C. I. Lott. 1,533,746; Apr. 14.
Beefsteak, Machine for tendering. S. P. Mickey. 1,533,882; Apr. 14.
Belt-length calculator. G. R. Fickert. 1,533,981; Apr. 14.
Bench. L. G. Haase. Des. 67,030; Apr. 14.
Binder posts, Mechanism for shifting. A. E. Meyer and E. A. Reed. 1,533,442; Apr. 14.
Bit: *See*—
Well-drilling bit.
Bitumen, tar, and other substances, Apparatus for heating. F. Coleman. 1,533,390; Apr. 14.
Bleaching process and means. W. O. Kaiser. 1,533,917; Apr. 14.
Board: *See*—
Game board. Plaster board.
Boat, Combined pleasure and fishing. C. G. Bathé. 1,533,866; Apr. 14.
Bobbin. R. D. Heymann. 1,533,913; Apr. 14.
Boiler: *See*—
Steam boiler.
Boiler. L. C. Loewenstein and H. N. Davis. 1,533,706; Apr. 14.
Boiler construction. C. V. Paterno. 1,533,807; Apr. 14.
Boiler tubes, Apparatus and method for cleaning. F. W. Linaker and T. M. Bruback. 1,533,873; Apr. 14.
Boll-weevil destroyer. J. S. Glover. 1,533,851; Apr. 14.
Boll-weevil machine. J. M. Sanches. 1,533,276; Apr. 14.
Bolt snap. W. A. Schleicher. 1,533,812; Apr. 14.
Book or pamphlet covering machine. J. J. Pleger. 1,533,895; Apr. 14.
Bookbinding. E. J. Cross. 1,533,102; Apr. 14.
Boots and shoes. Apparatus for cleaning. P. Schmalfuss. 1,533,765; Apr. 14.
Bottle. J. P. Curran. Des. 67,015–16; Apr. 14.
Bottle. P. A. Ginter. Des. 67,023–6; Apr. 14.
Bottle, Side-necked dropping. H. West. 1,533,358; Apr. 14.
Box: *See*—
Annealing box. Match box.
Junction box. Print box.
Mail box. Tobacco box.
Box filler. O. B. Newman. 1,533,890; Apr. 14.
Box or the like, Collapsible. E. Day. 1,533,636; Apr. 14.
Box partitioning and making the same. L. E. La Bombard and M. H. Sidebotham. 1,534,006; Apr. 14.
Boxes, Corner-fastening means for folding. J. Stella and W. R. Wisser. 1,533,478; Apr. 14.
Brace: *See*—
Fence brace. Fruit-box brace.
Fruit brace.
Bracelet. H. L. Lambert. Des. 67,039; Apr. 14.
Bracelet, Watch. S. L. Lederer. Des. 67,040; Apr. 14.
Bracket: *See*—
Shade and curtain bracket. Trunk-rack bracket.
Supporting bracket.
Brake: *See*—
Internal brake. Vehicle brake.
Brake-band control. C. R. Reckart. 1,533,945; Apr. 14.
Brake device, Fluid-pressure. T. H. Thomas. 1,533,481; Apr. 14.

Brake equalizer. F. L. Odenbrett. 1,533,755; Apr. 14.
Breathing bag for self-contained breathing apparatus. A. B. Dräger. 1,533,172; Apr. 14.
Brickwork, Implement for use in hand. C. T. Lutz. 1,533,934; Apr. 14.
Bridge, Multiple-span. C. G. E. Larsson. 1,533,927; Apr. 14.
Brooder. H. H. Hall. 1,533,186; Apr. 14.
Brooder house. H. M. and C. R. Stauffer. 1,533,905; Apr. 14.
Brush, Fountain. J. E. Pyrtle. 1,533,899; Apr. 14.
Brush, Hair-drying. J. M. Holchin. 1,533,416; Apr. 14.
Brush holder. J. V. Dobson. 1,533,287; Apr. 14.
Bucket. A. E. Norris. 1,533,512; Apr. 14.
Buckle, Belt. S. Jaso. 1,533,650; Apr. 14.
Buckle strap. H. A. Krezdorn. 1,533,924; Apr. 14.
Bumper impact bar. H. Taylor, Des. 67,061; Apr. 14.
Burner: *See*—
Gas burner. Oil burner.
Burner. E. C. Corado. 1,533,833; Apr. 14.
Burner carburetor combination. J. Good. 1,533,107; Apr. 14.
Burner head and mounting. J. T. Voorheis. 1,533,482; Apr. 14.
Calculating machines having a key adjustment, Printing mechanism for Thomas. H. Cordt. 1,533,393; Apr. 14.
Cameras, Multiple-exposure attachment for. S. C. Linden. 1,533,433; Apr. 14.
Can-filling machine. C. H. Ayars. 1,533,536; Apr. 14.
Can opener. F. B. La May. 1,533,599; Apr. 14.
Candy-warming table, Electric. J. C. Woodson. 1,533,290; Apr. 14.
Cap. D. Rothenberg. Des. 67,049; Apr. 14.
Car buffer. C. Hieri. 1,533,414; Apr. 14.
Car-door control signaling and announcing system, Combined multiple-unit. F. Hedley and J. S. Doyle. 1,533,111; Apr. 14.
Car-door-locking means. J. Kartheiser. 1,533,427; Apr. 14.
Car dumper. G. N. Simpson. 1,533,667; Apr. 14.
Car heater, Street. O. A. Colby. 1,533,226–7; Apr. 14.
Car heater, Street. J. C. Woodson. 1,533,289; Apr. 14.
Car, Mine. H. W. Sanford. 1,533,762; Apr. 14.
Car, Railway. H. W. Sanford. 1,533,761; Apr. 14.
Car roof, Metal. A. J. Canfield and E. R. Viberg. 1,533,384; Apr. 14.
Car, Selective dump. H. S. Hart. 1,533,408; Apr. 14.
Car, Steel grain. J. A. Hyle. 1,533,862; Apr. 14.
Cars, Drop door for dumping. W. R. Prout. 1,533,571; Apr. 14.
Cars, Mechanically-operated multiple-unit door-control system for. F. Hedley and J. S. Doyle. 1,533,110; Apr. 14.
Cars, Safety control mechanism for. H. Rowntree. 1,533,142; Apr. 14.
Carbureting device. H. E. McCray. 1,533,196; Apr. 14.
Carburetors, Air-regulating attachment for. W. Falwell. 1,533,980; Apr. 14.
Card holder. M. H. Malwitz. 1,533,880; Apr. 14.
Card-registering machine. C. W. Dibble and M. Phillips. 1,533,700; Apr. 14.
Carrier: *See*—
Egg carrier.
Cartons, Machine for making taped. H. S. Labombarde. 1,534,007; Apr. 14.
Cartridge casings, Method and apparatus for removing primers from artillery. A. W. Welch. 1,533,486; Apr. 14.
Case: *See*—
Vanity case.
Casting apparatus and process of casting. C. E. Hopkins. 1,533,649; Apr. 14.
Casting freely-oxidizable metal. H. H. Osborne. 1,533,892; Apr. 14.
Casting machine, Centrifugal. W. H. Millspaugh. 1,533,202; Apr. 14.
Casting machine, Die. J. Soss and L. H. Morin. 1,533,617; Apr. 14.
Casting process and apparatus. R. F. Wood. 1,533,780; Apr. 14.
Catalysts used in the hydrogenation of oils and like substances, Preparation and reactivation of metallic. E. J. Lush. 1,533,932; Apr. 14.
Centrifugal machine for emulsifying, Adjustable. E. M. Ferns. 1,533,843; Apr. 14.
Chain, Ornamental. L. J. Anshen. 1,533,822; Apr. 14.
Chain tightener, Motor-vehicle. O. L. Hutchcroft; 1,533,421; Apr. 14.
Chandelier, Five-light body holder for a. J. Schaffer. Des. 67,063; Apr. 14.
Chandelier or article of similar nature. I. Rosenblatt. Des. 67,051; Apr. 14.
Chandelier, Two-light body holder for a. J. Schaffer. Des. 67,064; Apr. 14.
Charging apparatus. H. C. Freedenburg. 1,533,847; Apr. 14.
Check-controlled apparatus. D. J. Butterfield. 1,533,538; Apr. 14.
Chill mold. O. Götze. 1,533,734; Apr. 14.
Cigarette container. P. R. Heygel. 1,533,413; Apr. 14.
Cipher-cut-out mechanism. W. W. Lasker. 1,533,119; Apr. 14.
Circuit-breaker system, Automatic reclosing. E. C. Britton. 1,533,693; Apr. 14.
Circuit-breaking terminal. G. H. Clark. 1,533,972; Apr. 14.
Circuit-controlling apparatus. S. B. Williams, jr. 1,533,154; Apr. 14.
Circuit excitation, Plate. J. Slepian. 1,533,278; Apr. 14.
Circuit maker and breaker, Automatic. H. N. Shaw. 1,533,770; Apr. 14.
Circuits for central-office senders, Routine test. F. A. Stearn and J. C. McAuliffe. 1,533,477; Apr. 14.
Clamp: *See*—
Line clamp.
Clamps, Excess-pressure attachment for. L. T. Bergh. 1,533,688; Apr. 14.
Clasp: *See*—
Concealed clasp.
Cleaner: *See*—
Nail cleaner. Window or windshield cleaner.
Tube cleaner.
Vacuum cleaner.
Cleaning and polishing composition. J. E. Catlett. 1,533,386; Apr. 14.
Clip: *See*—
Paper clip.
Clip. I. Salz. 1,533,466; Apr. 14.
Clipper attachment. C. Z. Mani. 1,533,564; Apr. 14.
Clock movement. F. Webinger. 1,533,529; Apr. 14.
Clock system, Electric. H. E. Warren. 1,533,678; Apr. 14.
Closure fastener. J. Malicki. 1,533,259; Apr. 14.
Clothesrack. O. G. Schmitt. 1,533,470; Apr. 14.
Clutch-controlling mechanism. A. E. Rhoades. 1,533,516; Apr. 14.
Clutch, Friction. F. Tandel. 1,533,955; Apr. 14.
Clutch mechanism. D. Noble. 1,533,205; Apr. 14.
Cocks, Protective cage for blow-off. E. Becker. 1,533,088; Apr. 14.
Coding and decoding machine. H. A. Koch. 1,533,252; Apr. 14.
Coil, Induction. V. Greiff and L. F. Curtis. 1,533,797; Apr. 14.
Coin-assorting apparatus. A. Godefroid. 1,533,244; Apr. 14.
Coin, Pocket. W. A. Hartline. Des. 67,082; Apr. 14.
Coin receptacle, Safety. W. C. Norris. 1,533,332; Apr. 14.
Comb: *See*—
Unbreakable comb.
Comb. E. A. Abeel. 1,533,684; Apr. 14.
Comb and barrette, Combination hair. J. Burkhart. 1,533,380; Apr. 14.
Combination lifter. B. F. Davis. 1,533,726; Apr. 14.
Compass and magnetic-dip indicator. C. G. Abbot. 1,533,683; Apr. 14.
Concealed clasp. B. Gerla. 1,533,702; Apr. 14.
Concrete-construction form. H. Wells. 1,533,960; Apr. 14.
Concrete floors, Ceiling for. C. A. Smith. 1,533,817; Apr. 4.
Concrete, mortar, and the like, Method and machine for mixing, conveying, and distributing. E. Bongardt. 1,534,008; Apr. 14.
Concrete-pavement-finishing machine. G. E. Webb. 1,533,485; Apr. 14.
Concrete step. H. A. Daly. 1,533,166; Apr. 14.
Condenser. R. N. Ehrhart. 1,533,840; Apr. 14.
Condenser. H. O. Russell and C. L. Paulus. 1,533,334; Apr. 14.
Condiment holder. J. Di Bernardi. 1,533,582; Apr. 14.
Control mechanism. D. F. Cashman. 1,533,222; Apr. 14.
Control system. L. W. Chubb. 1,533,223; Apr. 14.
Core-forming apparatus. T. H. Brown. 1,533,375; Apr. 14.
Corn-husking machine. H. L. Nelson. 1,533,657; Apr. 14.
Corner glue joint, Square. R. E. Carroll. 1,533,090; Apr. 14.
Cotton-cleaning machine. V. Harlan. 1,533,593; Apr. 14.
Cotton stamper. J. O. McCoy. 1,533,804; Apr. 14.
Cowl, Ship-ventilator. W. H. Singleton. 1,533,344; Apr. 14.
Crank shafts and the like, Hydraulic press for. W. W. Linder. 1,533,560; Apr. 14.
Crucible furnace, Electric. T. A. Reid. 1,533,265; Apr. 14.
Crusher. A. J. Jorgensen. 1,533,991; Apr. 14.
Crusher. R. C. Newhouse. 1,533,658; Apr. 14.
Cultivators, Weeding attachment for. L. J. Stone. 1,533,673; Apr. 14.
Currents, Apparatus for and process of treating with high-tension. E. W. Stevens. 1,533,711; Apr. 14.
Curtain rod. W. C. Kenney. Des. 67,086; Apr. 14.
Curtain support. J. H. Boye. 1,533,308; Apr. 14.
Cut-off, Lock-controlled. F. C. Eckelman. 1,533,978; Apr. 14.
Cutter-bar jack. J. Lapshansky. 1,533,559; Apr. 14.
Cutter: *See*—
Ensilage cutter.
Cutter for cheese, butter, and the like. H. A. O. Möller. 1,533,445; Apr. 14.
Cutter head, Adjustable. W. H. Toole. 1,533,575; Apr. 14.
Cutting stick. J. H. Lindsay. 1,533,124; Apr. 14.
Cylinder, Air-cooled. C. S. Ricker. 1,533,810; Apr. 14.

Dashpot mounting. S. G. Crane. 1,533,101; Apr. 14.
Decorative articles, Making. R. Baker. 1,533,300; Apr. 14.
Dehydrator for nuts. F. C. Chapman. 1,533,388; Apr. 14.
Dental casting device and process. J. C. Shotton. 1,533,474; Apr. 14.
Derail signal, Automatic. F. Butorac. 1,533,632; Apr. 14.
Derrick assembly, Tubular-drilling. C. J. Goggler. 1,533,590; Apr. 14.
Detonators, Secondary charge for compound. B. Grotta. 1,533,798; Apr. 14.
Diaphragm plate, Adjustable. R. W. Todd. 1,533,532; Apr. 14.
Digging device, Stream-bed-. A. Johnson. 1,533,423; Apr. 14.
Direction indicator. C. J. Erson. 1,533,841; Apr. 14.
Dish, Combination serving. W. H. Magee and E. M. Bottome. Des. 67,042; Apr. 14.
Dispensing machine. S. R. Svendsgaard. 1,533,147; Apr. 14.
Display containers, Detachable closure for. H. Hermani. 1,533,497; Apr. 14.
Distillation apparatus. G. Egloff and H. P. Benner. 1,533,173; Apr. 14.
Ditcher. A. G. and A. Ronning. 1,533,901; Apr. 14.
Doll or similar article. S. Haskell. Des. 67,031; Apr. 14.
Doorcheck. F. J. Colchin. 1,533,831; Apr. 14.
Door construction. H. Malarkey. 1,533,881; Apr. 14.
Door construction, Side-. K. J. Tobin and W. W. Darrow. 1,533,620; Apr. 14.
Door fastener. W. A. Schleicher. 1,533,811; Apr. 14.
Door-latching mechanism. A. Christianson. 1,533,828; Apr. 14.
Doorlock. S. D. Butterworth. 1,533,826; Apr. 14.
Door-shoe construction. P. R. Forman. 1,533,106; Apr. 14.
Doorstop. K. H. Beck and E. H. Blackburn. 1,533,687; Apr. 14.
Doors, Control mechanism for motor-actuated. F. Hedley and J. S. Doyle. 1,533,112; Apr. 14.
Draft, Apparatus for obtaining artificial. G. J. A. L. Prat. 1,533,898; Apr. 14.
Dredge bucket and lip therefor. G. R. Hanks and G. V. Wood. 1,533,910; Apr. 14.
Dredge, Hydraulic. F. A. Rowe. 1,533,465; Apr. 14.
Dress. T. Davis. Des. 67,017; Apr. 14.
Drier: *See*—
Laundry drier. Paper-machine drier.
Drier. W. Stricker. 1,533,480; Apr. 14.
Drill: *See*—
Portable drill. Multiple drill.
Drills, Gauge or leveling device for electric or other. C. A. Dene. 1,533,975; Apr. 14.
Drills, Riding attachment for grain. C. F. Ryba. 1,533,143; Apr. 14.
Dropper: *See*—
Medicine dropper.
Dust collector. H. A. Walker, jr. 1,533,777; Apr. 14.
Dustpan. H. Gehman. 1,533,849; Apr. 14.
Dustpan. L. W. Moore. 1,533,938; Apr. 14.
Dyeing textile and like material. M. Scholz. 1,533,769; Apr. 14.
Ear treatment, Instrument for. J. Taylor, jr. 1,533,618; Apr. 14.
Eccentric connections, Antifriction device for. J. F. Schimek. 1,533,763; Apr. 14.
Edible container. J. Denaro. Des. 67,018; Apr. 14.
Educational device. A. J. Macy. 1,533,437; Apr. 14.
Educational game. C. Lederer. 1,533,122; Apr. 14.
Egg carrier. F. W. Doge. 1,533,836; Apr. 14.
Egg separator. A. E. Bruffee. 1,533,377; Apr. 14.
Electric accumulator. A. Pouchain. 1,533,569; Apr. 14.
Electric-energy transmission. G. Viel. 1,533,623; Apr. 14.
Electric furnace. O. A. Colby. 1,533,232; Apr. 14.
Electric furnace. G. M. Little. 1,533,255; Apr. 14.
Electric furnace. T. A. Reid. 1,533,269; Apr. 14.
Electric heater. E. W. Black. 1,533,090; Apr. 14.
Electric heater. S. M. and J. H. Carmean. 1,533,098; Apr. 14.
Electric iron. A. M. MacFarland. 1,533,258; Apr. 14.
Electric line, Artificial. J. J. Gilbert. 1,533,178; Apr. 14.
Electric muffle furnace. J. C. Woodson. 1,533,288; Apr. 14.
Electric receptacle. T. A. Both. 1,533,690; Apr. 14.
Electric resistance furnace. O. A. Colby. 1,533,224; Apr. 14.
Electric socket. J. Hohl. 1,533,415; Apr. 14.
Electric switch. W. Adams. 1533,295; Apr. 14.
Electric switch. H. H. Johnston. 1,533,251; Apr. 14.
Electrical condenser and manufacturing the same. W. R. Respess. 1,533,611; Apr. 14.
Electrical seal. P. H. Paulen. 1,533,452; Apr. 14.
Electrical variations to mechanical, Apparatus for changing. K. Rabbek and F. A. Johnsen. 1,533,757; Apr. 14.
Electrically-actuated gauge. O. Wiederhold. 1,533,680; Apr. 14.
Electricity-distributing systems, Surface wiring for. T. Martin-Harvey. 153,936; Apr. 14.
Electrode for electric accumulators, Negative. A. Pouchain. 1,533,568; Apr. 14.
Electrolytic production of magnesium. W. G. Harvey. 1,533,911; Apr. 14.
Electroplating metal and forming articles therefrom, Apparatus and process for. G. W. Newman. 1,533,447; Apr. 14.
Electroplating rack. E. C. Oliver. 1,533,805; Apr. 14.
Electrotypes, Making. G. W. Mullen. 1,533,656; Apr. 14.
Elevator: *See*—
Portable elevator.
End gate. A. Roberts. 1,533,275; Apr. 14.
Engine: *See*— Internal-combustion engine.
Explosion engine. Rotary engine.
Gas engine.
Engine-starting system. C. H. Davis, jr. 1,533,104; Apr. 14.
Engines, Apparatus for separating and binding dust or other impurities in combustion air of combustion. K. Schroeder. 1,533,813; Apr. 14.
Engines, Automatic control of the temperature in the water jackets of internal-combustion. C. F. Pizzey. 1,534,005; Apr. 14.
Engines, Charge-forming device for internal-combustion. H. T. Thomas. 1,533,775; Apr. 14.
Engines, Cooling system for internal-combustion. W. S. Carr. 1,533,827; Apr. 14.
Engines, Fuel heater for internal-combustion. H. E. Harkin. 1,533,855; Apr. 14.
Engines, Reserve-oil supply for vehicle. F. D. Hanes. 1,533,592; Apr. 14.
Engines, Speed-control appliance for fluid-pressure. A. W. Bruce. 1,533,304; Apr. 14.
Engines, Valve for internal-combustion. P. A. E. Armstrong. 1,533,782; Apr. 14.
Engines, Water-circulating system for automobile. C. R. Schmidt. 1,533,469; Apr. 14.
Ensilage cutter. A. G. and A. Ronning. 1,533,902; Apr. 14.
Explosion engine, Two-stroke. J. de Cosmo. 1,533,727; Apr. 14.
Eyeglasses and spectacles. H. Newbold and A. J. Harrison. 1,533,754; Apr. 14.
Eyeglasses, Ear clip for. J. Jirasek. 1,533,190; Apr. 14.
Explosive charges, Device for insuring uniform pressure upon. B. Grotta. 1,533,406; Apr. 14.
Excavating buckets, Rooter-tooth attachment for. C. F. Yocum. 1,533,781; Apr. 14.
Extractor: *See*—
Fruit-juice extractor.
Fabric and producing same. W. J. Fox. 1,533,544; Apr. 14.
Fabrics and the product thereof, Treating. J. S. Hoffman. 1,533,598; Apr. 14.
Fan. L. M. Dabney. 1,533,396; Apr. 14.
Fan, Prepayment electric. G. E. Le Count. 1,533,652; Apr. 14.
Faucet, Safety lock. G. W. Derman and J. A. Monighan. 1,533,398; Apr. 14.
Feeder and scales. J. A. Nolan. 1,533,940; Apr. 14.
Feeder, Stock. E. H. Genuit. 1,533,796; Apr. 14.
Felt articles, Machine for shrinking. H. A. Genest. 1,533,350; Apr. 14.
Felt articles, Shrinking, etc. H. A. Genest. 1,533,351; Apr. 14.
Felt shrinking. F. F. Chudoba. 1,533,348; Apr. 14.
Felt shrinking. H. A. Genest. 1,533,346; Apr. 14.
Felt shrinking. H. A. Genest. 1,533,349; Apr. 14.
Felt shrinking. W. A. Lorens. 1,533,347; Apr. 14.
Felt shrinking. H. M. Smith. 1,533,345; Apr. 14.
Fence brace. E. N. Lanott. 1,533,321; Apr. 14.
Fertilizer mixer and distributor. M. A. Lokey. 1,533,435; Apr. 14.
Filament supplier, Automatic. R. Maito and H. Niwa. 1,533,260; Apr. 14.
Finishing machine. J. F. Robb. 1,533,464; Apr. 14.
Fire-alarm apparatus. M. Costello. 1,533,394; Apr. 14.
Fire shutter, Radially-opening. F. H. Vick. 1,533,151; Apr. 14.
Fireplace damper. G. A. Morrell. 1,533,752; Apr. 14.
Fishhook. G. D. B. Bonbright. 1,533,092; Apr. 14.
Fishing device. W. E. Shepherd. 1,533,471; Apr. 14.
Flatiron, Electric. O. A. Colby. 1,533,229; Apr. 14.
Floodgate. J. A. Kennedy. 1,533,921; Apr. 14.
Floor and ceiling plate. E. L. Ridler. 1,533,141; Apr. 14.
Flower and vanity bag, Combined. P. F. W. Muller. 1,533,131; Apr. 14.
Flower-wearing device. R. D. Donohue. 1,533,169; Apr. 14.
Flowerpot. A. P. Schein. 1,533,342; Apr. 14.
Fluid-operated rotary driving or driven element. G. J. Raynor. 1,533,338; Apr. 14.
Flush tank. C. M. Minton. 1,533,884; Apr. 14.
Flying machines and safety device therefor, Wing control for. D. W. Bonnell. 1,533,786; Apr. 14.
Flying machines, Device to lessen the velocity of fall of samples thrown out of. F. Heiss. 1,533,912; Apr. 14.
Flying machines, Helicopter mechanism for. F. Tatay. 1,533,713; Apr. 14.
Flytrap. E. Zimmer. 1,533,294; Apr. 14.
Food choppers, Safety device for. J. C. Steiner. 1,533,217; Apr. 14.
Footwear, Manufacture of. H. H. Smith. 1,533,608; Apr. 14.

Form spacer. H. E. Heilman and H. Scarth. 1,533,411; Apr. 14.
Fork: *See*—
Sanitary fork.
Friction facings and product, Making. F. C. Stanley. 1,533,216; Apr. 14.
Fruit brace, Green-. S. L. Conlan and H. F. Plough. 1,533,696; Apr. 14.
Fruit-box brace. S. L. Conlan and H. F. Plough. 1,533,695; Apr. 14.
Fruit-juice extractor. A. T. Pursell. 1,533,208; Apr. 14.
Fuel-reserve tank. J. G. Armknecht. 1,533,290; Apr. 14.
Furnace: *See*—
Annealing furnace. Electric resistance furnace.
Crucible furnace. Illuminated electric furnace.
Electric furnace.
Electric muffle furnace.
Furnace. R. H. Richards. 1,533,572; Apr. 14.
Furnace for heat treatment of metal. G. F. Wright and A. S. Knapp. 1,533,491; Apr. 14.
Furnace resistor, Electric-. O. A. Colby. 1,533,231; Apr. 14.
Furnace resistor, Electric-. G. M. Little. 1,533,254; Apr. 14.
Furnace resistor, Electric-. T. A. Reid. 1,533,264; Apr. 14.
Furnace-resistor support, Electric-. O. A. Colby. 1,533,228; Apr. 14.
Furnace terminal. T. A. Reid. 1,533,270; Apr. 14.
Furnaces, Combustion chamber for oil-burning. G. Wirrer. 1,533,533; Apr. 14.
Furniture, Combination. P. Sugerman. 1,533,219; Apr. 14.
Fuse. J. H. Hickey. 1,533,498; Apr. 14.
Fuse, Percussion. C. P. Watson. 1,534,011–12; Apr. 14.
Fuse plug, Multiple-. W. H. Taylor, C. W. Downs, and J. W. Barbey. 1,533,714; Apr. 14.
Fuse, Time. U. Panigatti. 1,533,756; Apr. 14.
Game. W. G. Craigen. 1,533,540; Apr. 14.
Game. W. C. Spindler. 1,533,774; Apr. 14.
Game. T. Tromans and E. L. Whitney. 1,533,676; Apr. 14.
Game apparatus. E. D. Gray. 1,533,854; Apr. 14.
Game apparatus. W. L. White. 1,533,487; Apr. 14.
Game board. L. A. Marsh. 1,533,439; Apr. 14.
Game indoor golf. F. J. Holland. 1,533,417; Apr. 14.
Game, Race. A. B. Foans. 1,533,795; Apr. 14.
Garden tool. W. J. Neidhart. 1,533,132; Apr. 14.
Garment, Convertible. E. M. Shafran. 1,533,952; Apr. 14.
Garment hanger. N. Remillong. 1,533,061; Apr. 14.
Garment, Ventilated head. E. B. Weinrott. 1,533,624; Apr. 14.
Gas burner. J. H. Reinhardt. 1,533,212; Apr. 14.
Gas engine, Sustained-explosion. A. E. Chapman. 1,533,387; Apr. 14.
Gas log, Radiant. J. P. Conroy. 1,533,391; Apr. 14.
Gas producer. J. H. Lemmon. 1,533,929; Apr. 14.
Gas producer. C. W. Lummis. 1,533,931; Apr. 14.
Gas-purification process. F. W. Sperr, jr., and R. E. Hall. 1,533,778; Apr. 14.
Gas remover, Exhaust-. J. Voss. 1,533,483; Apr. 14.
Gas retarding and adjusting device. F. W. Pope. 1,533,896; Apr. 14.
Gases, Method and apparatus for regulating the mixture of. G. Scheib. 1,533,468; Apr. 14.
Gaseous vapors, Process and apparatus for the recovery of. C. L. Voress, V. C. Canter, and R. W. Skoog. 1,533,716; Apr. 14.
Gasoline bulb. E. A. Alig. 1,533,082; Apr. 14.
Gasoline gauge. H. Bashian. 1,533,823; Apr. 14.
Gasoline-storage tanks, Safety device for. W. E. Durborow. 1,533,587; Apr. 14.
Gate: *See*—
End gate. Railway-crossing gate.
Hydraulic gate.
Gauge: *See*—
Electrically-actuated gauge. Water gauge.
Gasoline gauge.
Gear shift. E. W. Spalding. 1,533,215; Apr. 14.
Gear wheel. T. A. Lusher. 1,533,933; Apr. 14.
Gearing, Automatic self-locking differential. J. F. Morrissey. 1,533,327; Apr. 14.
Gears, Indexing. M. O. Cross. 1,533,165; Apr. 14.
Gears, Machine to test the teeth of spur. H. H. Steele. 1,533,671; Apr. 14.
Glass windscreens, Clearing. G. H. Eaton. 1,533,238; Apr. 14.
Golf balls, Re-forming. S. Maggi. 1,533,563; Apr. 14.
Golf club. P. E. Dutcher. 1,533,638; Apr. 14.
Governing apparatus. J. S. Myers. 1,533,888; Apr. 14.
Governor. H. F. Schmidt. 1,533,766–7; Apr. 14.
Grading machine. C. E. Gillet. 1,534,014; Apr. 14.
Grading machine. K. O. Swenson. 1,534,015; Apr. 14.
Gradometer. L. M. Brown. 1,533,723; Apr. 14.
Grain-drying device. L. A. Nemeth. 1,533,511; Apr. 14.
Grapple. M. M. Grant. 1,533,853; Apr. 14.
Grass machine, Quack-. T. C. Reynolds. 1,533,274; Apr. 14.
Grinder, Auto power folding tool. H. R. Schodrowsky. 1,533,768; Apr. 14.
Grinding machine. W. S. Anderson. 1,533,821; Apr. 14.
Grinding machine, Internal-. H. F. Joseph. Re16,043; Apr. 14.
Gun, Log-splitting. J. A. Webber. 1,533,679; Apr. 14.
Hairpins or like articles, machine for counting, arranging, and packaging. S. H. Goldberg. 1,533,180; Apr. 14.
Hammer, Trip. W. C. Nicol. 1,533,567; Apr. 14.
Hand bag, Child's. C. T. Kittleson. 1,533,428; Apr. 14.
Hanger: *See*—
Garment hanger.
Harrow. M. Evanuk. 1,533,701; Apr. 14.
Harvester, Beet. J. O. Stockstill. 1,533,672; Apr. 14.
Harvester, Cranberry. G. C. Gebhardt. 1,533,644; Apr. 14.
Harvesting machine. C. E. White. 1,533,359; Apr. 14.
Hat support. B. Goldberg. 1,533,403; Apr. 14.
Haystacker. H. A. Peterson. 1,533,894; Apr. 14.
Headlight. P. J. Dollar. 1,533,496; Apr. 14.
Headlight. H. W. Schwartz. 1,533,615; Apr. 14.
Headlights, Controlling device for. J. A. Kimball. 1,533,743; Apr. 14.
Headlight, Dirigible. W. R. Johnstone and W. A. McDougall. 1,533,424; Apr. 14.
Headlight, Movable. W. C. Toomey. 1,533,957; Apr. 14.
Heat-distributing and oxidizing utensil. W. J. Nace. 1,533,510; Apr. 14.
Heated device, Electrically. J. C. Woodson. 1,533,292; Apr. 14.
Heater: *See*—
Car heater. Temperature-limiting heater.
Electric heater.
Manifold heater. Water heater.
Steriliser heater.
Heater. J. H. Deppeler. 1,533,788; Apr. 14.
Heater. J. S. Forbes. 1,533,845; Apr. 14.
Heater casing, Electric-. J. Schoenfeld. Des. 67,052; Apr. 14.
Heating and domestic-water-heating system, Combined house-. J. L. Breese, jr. 1,533,630; Apr. 14.
Heating apparatus, Electric liquid-. J. H. Derby. 1,533,541; Apr. 14.
Heating device, Electric. F. A. Fahrenwald. 1,533,175; Apr. 14.
Heating devices, Protective system for. F. Thornton, jr. 1,533,282; Apr. 14.
Heating systems, Apparatus for. W. Sandvoss. 1,533,614; Apr. 14.
Heating system, Car-. H. G. Geissinger. 1,533,176; Apr. 14.
Heating system, Electric. H. A. Hands. 1,533,247; Apr. 14.
Heating unit, Electric. J. C. Woodson. 1,533,293; Apr. 14.
Heel, Two-part. L. Buckner. 1,533,160; Apr. 14.
Hencoop and the like. W. Cullinane. 1,533,834; Apr. 14.
Hinges, Locking device for. E. F. Gale. 1,533,401; Apr. 14.
Holder. F. M. Phelps. 1,533,136; Apr. 14.
Hoist-cable-securing device. F. H. Howard. 1,533,555–6; Apr. 14.
Hoists, Brake attachment for. F. H. Howard and H. W. Hoffmaster. 1,533,554; Apr. 14.
Hoisting mechanism, Two-speed. T. S. Miller. 1,533,201; Apr. 14.
Hollow bodies, Ejecting mechanism for. J. Brensinger and P. H. Lange. 1,533,537; Apr. 14.
House: *See*—
Brooder house.
Hook. P. Lang. 1,533,995; Apr. 14.
Hose supporter. B. P. Seeger. 1,533,951; Apr. 14.
Hot-air and vapor bath device. J. Erdosy. 1,533,174; Apr. 14.
Hot table. F. F. Forshee. 1,533,240; Apr. 14.
Humidor. C. Reynolds. 1,533,758; Apr. 14.
Hurdle. E. L. Carey. 1,533,633; Apr. 14.
Hydraulic gate. L. J. Pospisil. 1,533,137; Apr. 14.
Hydrocarbon emulsion and making same. C. B. Belknap. 1,533,158; Apr. 14.
Hydrocarbons, Process and apparatus for cracking. R. Egeland. 1,533,839; Apr. 14.
Ice-cream-filling machine. H. J. McNicholas. 1,533,125; Apr. 14.
Ice-cream freezer. L. S. Pfouts. 1,533,708; Apr. 14.
Igniter governor. H. P. Donle and J. H. Bartholomew. 1,534,008; Apr. 14.
Illuminated electric fountain. J. I. Kane and H. W. A. Fuhrmann. 1,533,788; Apr. 14.
Indicator: *See*—
Direction indicator. Liquid-level indicator.
Incubator tray. D. M. Holbrook. 1,533,499; Apr. 14.
Indicator. R. H. Wheatley and L. V. Clark. 1,533,580; Apr. 14.
Indices, Spacing element for rotary. W. Hines. 1,533,785; Apr. 14.
Inductance. O. Meirowsky. 1,533,749; Apr. 14.
Inductance, Variable. C. Liedel. 1,533,980; Apr. 14.
Inkstand. W. H. Averill. 1,533,627; Apr. 14.
Interlock device. C. C. Farmer. 1,533,310; Apr. 14.
Internal brake. R. Dymock. 1,533,790; Apr. 14.
Internal-combustion engine. L. P. Feustman. 1,533,642; Apr. 14.
Internal-combustion engine. C. H. Knudsen. 1,533,503; Apr. 14.
Internal-combustion engine. L. A. Larson. 1,533,926; Apr. 14.

Internal-combustion engine, Constant-compression. A. L. Riker. 1,533,947; Apr. 14.
Internal-combustion motor. M. H. Pérez. 1,533,454; Apr. 14.
Iron: *See*—
Electric iron. Soldering iron.
Iron and stand, Electric. V. G. Jensen. 1,533,116; Apr. 14.
Iron and steel direct, Making. S. Peacock. 1,533,262; Apr. 14.
Iron, Manufacture of puddled. R. S. Steese. 1,533,819; Apr. 14.
Irons, Automatic cut-out for electric. L. N. Crichton. 1,533,233; Apr. 14.
Jack: *See*—
Cutter-bar jack. Lifting jack.
Journal-box jack. Pipe jack.
Lever jack.
Jacquard-card-punching machine. K. S. Graham. 1,533,852; Apr. 14.
Joint: *See*—
Corner glue joint. Universal joint.
Rail joint.
Journal-box jack. G. Tallion. 1,533,280; Apr. 14.
Journal-box lift. B. Brannen. 1,533,965; Apr. 14.
Journal-box lubricator. T. W. Demarest. 1,533,637; Apr. 14.
Junction box. H. F. Richardson and A. Coggeshall. 1,533,759; Apr. 14.
Kiln for lumber, Progressive dry. H. D. Tiemann. 1,533,715; Apr. 14.
Kiln, Rotary. E. C. Kent. 1,533,866; Apr. 14.
Kilns or stoves, Loading and unloading. M. Alemany. 1,533,296; Apr. 14.
Kilns, Waste-heat cooling system for periodic clay burning. R. L. Ash. 1,533,999; Apr. 14.
Kitchen utensil. J. P. Griffin. 1,533,405; Apr. 14.
Knee protector. J. W. Whipp. 1,533,907; Apr. 14.
Knitting machine, Adjustable automatic. B. Kotkovsky, G. Luter, and B. Dubi. 1,533,431; Apr. 14.
Knitting machines, Bobbin support for hand. N. C. Overcash. 1,533,451; Apr. 14.
Knitting machines, Needle-latch-opening device for. G. Murphy and W. A. Simond. 1,533,446; Apr. 14.
Knotter. B. A. Peterson. 1,533,607; Apr. 14.
Knot-tying implement. B. A. Peterson. 1,533,608; Apr. 14.
Lace. C. F. Ikle. Des. 67,035; Apr. 14.
Lace. E. D. Teague. Des. 67,062; Apr. 14.
Lace, Shoe. M. Berman. 1,533,964; Apr. 14.
Lacquer and lacquer enamel. S. D. Shipley and G. C. Given. 1,533,616; Apr. 14.
Laminated spring. H. Frood. 1,533,984; Apr. 14.
Lamp, Dental and surgical. C. R. Pelton and H. W. Houghton. 1,533,605; Apr. 14.
Lamp, Mercury and other vapor electric. F. Reynolds. 1,533,900; Apr. 14.
Lamp base. W. Abrams. Des. 67,003–6; Apr. 14.
Lamp base. L. Severus. Des. 67,054–9; Apr. 14.
Lamp, Signal. C. J. Giometti. Des. 67,027; Apr. 14.
Last. C. M. Searl. 1,533,814–16; Apr. 14.
Latch. A. F. Winters and B. R. Crampton. 1,533,489; Apr. 14.
Latch, Door. R. L. McKinney. 1,533,257; Apr. 14.
Latch, Casing-head. C. McCleary. 1,533,875; Apr. 14.
Latch device. J. A. Thompson. 1,533,619; Apr. 14.
Latching mechanism. K. J. Tobin and W. W. Darrow. 1,533,621; Apr. 14.
Laundry drier. B. C. Baker. 1,533,086; Apr. 14.
Leather press. E. F. Hulbert. 1,533,115; Apr. 14.
Leather substitute, Making a. R. B. Respess. 1,533,273; Apr. 14.
Level and plumb. R. Ziegler. 1,533,961; Apr. 14.
Level and transit, Convertible. J. Geier. 1,533,545; Apr. 14.
Lever jack. P. Jacomy. 1,533,737; Apr. 14.
Lever, Tank. D. W. McNeil. 1,533,748; Apr. 14.
License holder for motor vehicles. A. T. Klopp. 1,533,869; Apr. 14.
Lifter: *See*—
Combination lifter. Valve lifter.
Plate lifter.
Lifting jack. I. E. Dearsley. 1,533,168; Apr. 14.
Light: *See*—
Automobile light.
Lighter. F. A. Gauger and R. W. Johnson. 1,533,643; Apr. 14.
Lighting apparatus for Christmas trees and the like, Electric. J. H. Boyd. 1,533,371; Apr. 14.
Lighting fixture. F. S. Crowell. Des. 67,014; Apr. 14.
Lighting fixture. C. Gezelschap, jr. Des. 67,022; Apr. 14.
Lighting fixture. J. E. O. Pridmore and E. C. McKinnie. 1,533,808; Apr. 14.
Lighting fixture. R. W. Schweiker. Des. 67,053; Apr. 14.
Lighting-fixture bracket. I. Rosenblatt. Des. 67,050; Apr. 14.
Lighting-fixture bracket back. C. A. Kuster. Des. 67,038; Apr. 14.
Lighting-fixture pendant. J. A. Böehringer. Des. 67,009; Apr. 14.
Lighting-fixture plate. F. S. Crowell. Des. 67,013; Apr. 14.
Lighting globe. F. L. Grant. Des. 67,028; Apr. 14.
Line clamp. J. A. Kuns. 1,533,504; Apr. 14.
Liquid and gas mixer. A. W. Morse. 1,533,509; Apr. 14.
Liquid from the surface of molten metal, Removing a. J. S. Morgan. 1,533,885; Apr. 14.
Liquid-level indicator. W. Sokolof and S. Preston. 1,533,138; Apr. 14.
Lock: *See*—
Anchor lock. Sash or screen lock.
Mail-box lock.
Lock. S. Segal. 1,533,343; Apr. 14.
Locomotive construction. A. R. Ayers. 1,533,962; Apr. 14.
Locomotive driving boxes, Lateral-motion appliance for. J. G. Blunt. 1,533,303; Apr. 14.
Locomotives and tenders, Coupler for. L. E. Osborne and N. M. Lower. 1,533,135; Apr. 14.
Locomotive with three cylinders. J. Stumpf. 1,533,146; Apr. 14.
Looms, Pattern mechanism for. W. J. Lutton. 1,533,601; Apr. 14.
Looms, Shuttle guard for. W. G. Fisher. 1,533,400; Apr. 14.
Looms, Shuttle guard for. P. Nathanson and J. Sontag. 1,533,707; Apr. 14.
Looms, Warp stop mechanism for. C. D. Brown. 1,534,002; Apr. 14.
Loud speaker. C. E. Brigham. 1,533,372; Apr. 14.
Low temperatures, Apparatus for producing. P. Heylandt. 1,533,801; Apr. 14.
Lubricator: *See*—
Journal-box lubricator.
Mail box. C. Thornton. 1,533,956; Apr. 14.
Mail-box lock, Post-office. F. E. Best. 1,533,628; Apr. 14.
Mail-box support. C. M. Mugler. 1,533,887; Apr. 14.
Maize header. J. S. Lane. 1,533,925; Apr. 14.
Mandrel. H. F. Maranville. 1,533,604; Apr. 14.
Manifold branches, Charge vaporizer for. G. H. Barrott. 1,533,364; Apr. 14.
Manifold heater, Intake-. W. F. Levison. 1,533,432; Apr. 14.
Map holder. G. A. Chapman. 1,533,694; Apr. 14.
Massage instrument. J. A. Weaver. 1,533,528; Apr. 14.
Match box, Trick. A. F. Gillet. 1,533,402; Apr. 14.
Material working and mixing machine. W. N. Hartshorn. 1,533,409; Apr. 14.
Measuring instrument, Electrical. V. H. Todd. 1,533,356; Apr. 14.
Meats, Preparing smoked joint. J. A. Hawkinson. 1,533,648; Apr. 14.
Medical tape and making the same, Adhesive. R. B. Respess. 1,533,272; Apr. 14.
Medicinal fumes and applying the same to the body of a patient, Apparatus for generating. J. F. Class. 1,533,829; Apr. 14.
Medicine dropper. E. L. Munch. 1,533,753; Apr. 14.
Memorandum. J. Aller. 1,533,297; Apr. 14.
Metal-coating process. R. J. Shoemaker. 1,533,473; Apr. 14.
Metal supporting stick, Reenforced. J. E. Parrish. 1,533,942; Apr. 14.
Metallurgical process. F. O. Kichline and H. W. Sloyer. 1,533,741; Apr. 14.
Metals or alloys, Producing. C. R. Schroeder. 1,533,519; Apr. 14.
Meter: *See*—
Thrust meter.
Micrometer, Multiple-standard. L. C. Crescio. 1,533,787; Apr. 14.
Microphone. A. Thomas. 1,533,675; Apr. 14.
Milking machine. C. H. Hapgood. 1,533,187; Apr. 14.
Milking machines, Animal-spraying attachment for. G. W. Walker. 1,533,578; Apr. 14.
Milling machine, Drum-type. J. R. Johnson. 1,533,703–5; Apr. 14.
Mine cages, lifts, and the like, Safety device for. W. F. Torrance. 1,533,576; Apr. 14.
Mining machine. M. P. Holmes. 1,533,316–17; Apr. 14.
Mirrors, Machine for applying backs to. H. Solomon. 1,533,669; Apr. 14.
Mixer: *See*—
Liquid and gas mixer.
Mixing process and apparatus therefor. V. H. Schlich. 1,533,950; Apr. 14.
Modulating method and apparatus. W. E. Beatty. 1,533,157; Apr. 14.
Modulation. W. A. MacDonald. 1,533,653; Apr. 14.
Mold: *See*—
Chill mold. Test mold.
Mold for welding rails and the like. F. N. Keithley. 1,533,803; Apr. 14.
Molding apparatus. D. J. Campbell. 1,533,220; Apr. 14.
Molding apparatus, Sand-. D. J. Campbell. 1,533,221; Apr. 14.
Molding cutters or bits, Instrument for marking. H. J. Mitchell. 1,533,750; Apr. 14.
Momentum, Device for demonstrating angular. O. Hovda. 1,533,500; Apr. 14.
Monument. C. W. Hutchins. 1,533,250; Apr. 14.
Monuments and the like from plastic material, Molding. J. E. Cochran. 1,533,830; Apr. 14.
Motor: *See*—
Internal-combustion motor.

Motor-cycle-operating mechanism. C. A. Neracher. 1,533,331; Apr. 14.
Mower attachment. R. C. Becton. 1,533,721; Apr. 14.
Mower attachment, Lawn-. H. Masbruch. 1,533,127; Apr. 14.
Multiple drill. L. C. Cole, O. Pabst, and C. May. 1,533,380; Apr. 14.
Music holder. E. Davidson. 1,533,235; Apr. 14.
Music-sheet turner. K. N. Rodgers. 1,533,662; Apr. 14.
Nail cleaner, Finger. C. F. Sanford. 1,533,664; Apr. 14.
Neckwear, Man's. C. Ruben. 1,533,663; Apr. 14.
Nest and brooding coop, Sanitary laying, setting, and hatching. T. Ewoldt and J. A. Hansen. 1,533,792; Apr. 14.
Nonskid wheel. A. A. McIsaac. 1,533,935; Apr. 14.
Nozzle. F. A. Berg. 1,533,368; Apr. 14.
Oil and gas separator. D. G. Lorraine. 1,533,744; Apr. 14.
Oil burner. A. A. Adcock. 1,533,081; Apr. 14.
Oil burner. B. W. Hurd. 1,533,420; Apr. 14.
Oil burner. E. L. Miller. 1,533,120; Apr. 14.
Oil burner, Valve-controlled. R. J. Buehler. 1,533,094; Apr. 14.
Oil, Refining mineral. H. T. Maitland. 1,533,325; Apr. 14.
Oiling machine, Card-. S. M. Duncan. 1,533,977; Apr. 14.
Oiling molded loaves, Device for. L. S. Hess. 1,533,550; Apr. 14.
Ovens, Adjustable shelf for. P. McCaul. 1,533,256; Apr. 14.
Packaging mechanism. J. Peterson and J. C. Thom. 1,533,456; Apr. 14.
Pad: *See*—
Waterproof pad.
Padlock. W. Duguay. 1,533,838; Apr. 14.
Paper-box fasteners, Making. L. W. Smith. 1,533,352; Apr. 14.
Paper clip. H. R. Haylis. 1,533,367; Apr. 14.
Paper-machine drier. W. H. Millspaugh. 1,533,130; Apr. 14.
Paper-machine driving-mechanism. G. D. Kilberry. 1,533,194; Apr. 14.
Paper machines and the like, Segregated drive for. W. L. Merrill. 1,533,655; Apr. 14.
Paste receptacle. P. J. Ihling. 1,533,318; Apr. 14.
Pencil, Magazine. G. L. Bassett. 1,533,087; Apr. 14.
Perforating machine, Tip-. F. F. Witkus. 1,533,681; Apr. 14.
Pianos, Motor attachment for player. J. E. Jackson. 1,533,915; Apr. 14.
Picker stick. W. Wilkinson. 1,533,532; Apr. 14.
Pickling machines, Operating mechanism for. L. Lee. 1,533,870; Apr. 14.
Picture-message transmission, Web-. C. F. Jenkins. 1,533,422; Apr. 14.
Picture projector, Motion-. C. B. Hall. 1,533,546; Apr. 14.
Picture screen, Projected-light. A. D. Brixey. 1,533,374; Apr. 14.
Pipe-bending machine. A. Miller. 1,533,443; Apr. 14.
Pipe elbows, Jig for making. L. H. Purnell. 1,533,660; Apr. 14.
Pipe jack. J. M. Koehn. 1,533,420; Apr. 14.
Piston. A. H. Wadell. 1,533,152; Apr. 14.
Piston-lining device. H. P. Ellers. 1,533,791; Apr. 14.
Piston ring. C. B. Redrup. 1,533,946; Apr. 14.
Pistons, Retaining check-valve balls in. C. F. Schriner. 1,533,665; Apr. 14.
Phonographs, Electric drive for. C. I. Hall. 1,533,647; Apr. 14.
Phonograph, Portable. S. Sachs. 1,533,949; Apr. 14.
Phorioscope. J. Spiller. 1,533,573; Apr. 14.
Planers, Feed conveyer for. P. J. Smith. 1,533,353; Apr. 14.
Planter attachment, Corn-. J. Jungferman. 1,533,426; Apr. 14.
Plaster board. B. Woodhouse. 1,533,580; Apr. 14.
Plaster or tape roller, Adhesive. E. Johnson. 1,533,802; Apr. 14.
Plastic materials, Depositor for. R. S. Hislop. 1,533,597; Apr. 14.
Plastic-material press. W. Kaiser and R. Gardels. 1,533,191; Apr. 14.
Plastic-tamping machine, Adjustable. J. L. Arnett. 1,533,085; Apr. 14.
Plate lifter. J. Perry. 1,533,898; Apr. 14.
Plate, Relish. I. M. Clarke. Des. 67,011; Apr. 14.
Plate or similar article. E. W. Newton. Des. 67,044; Apr. 14.
Plate or similar article. F. W. Stark. Des. 67,060; Apr. 14.
Platform construction. O. C. Reeves. 1,533,140; Apr. 14.
Plow. W. J. Burnett. 1,533,825; Apr. 14.
Plow, Coal-bucket. N. H. McClevey. 1,533,603; Apr. 14.
Plumbing fixtures, Floor slab for. O. H. Mohr. 1,533,444; Apr. 14.
Port relief arch. H. H. Skiles. 1,533,954; Apr. 14.
Portable drill. E. L. Burton. 1,533,381; Apr. 14.
Portable elevator. H. S. Germond, jr. 1,533,987; Apr. 14.
Poultry rack. W. E. Waller. 1,533,483; Apr. 14.
Poultry-raising apparatus. R. C. Spratling. 1,533,574; Apr. 14.
Power plant, Tidewater. D. Damiano. 1,533,284; Apr. 14.
Power table. O. L. Dosch. 1,533,170; Apr. 14.
Power, Transmitting. R. H. Dunlap. 1,533,399; Apr. 14.
Power-transmitting device. C. T. McCormick. 1,533,877; Apr. 14.
Press: *See*—
Leather press. Plastic-material press.
Presser form. H. Ehrlich. 1,534,013; Apr. 14.
Pressing machine, Clothing-seam-. F. W. Butler and M. Weinberg. 1,533,685; Apr. 14.
Print box, Electrically-controlled. A. A. Bracy. 1,533,583; Apr. 14.
Printer's chase. F. H. Poeppelmeier. 1,533,462; Apr. 14.
Printing presses, Perforating attachment for. J. F. Gentry. 1,533,986; Apr. 14.
Printing tabulators, Nonprint mechanism of. W. W. Lasker. 1,533,121; Apr. 14.
Propeller. J. D. Hornbuckle, sr. 1,533,552; Apr. 14.
Propellers and variable-incidence stabilizers, Synchronized control for reversible. E. G. McCauley. 1,533,323; Apr. 14.
Pulp-screening machine. A. J. Haug. 1,533,410; Apr. 14.
Pump. E. A. Culbertson. 1,533,103; Apr. 14.
Pump. B. F. Marty. 1,533,440; Apr. 14.
Pump for inflating pneumatic tires and the like. D. McErlane. 1,533,876; Apr. 14.
Pump, Oil. O. F. Devolld. 1,533,976; Apr. 14.
Pump, Water. C. F. Oltto. 1,533,333; Apr. 14.
Puzzle. N. J. May. 1,533,507; Apr. 14.
Puzzle. W. E. Smith. 1,533,145; Apr. 14.
Pyrometer. G. Keinath. 1,533,740; Apr. 14.
Quenching apparatus. E. W. Ehn. 1,533,639; Apr. 14.
Rack: *See*—
Electroplating rack. Poultry rack.
Radiator cap. R. H. Hummert. Des. 67,033; Apr. 14.
Radiator-cap ornament. J. R. Oishei. Des. 67,045; Apr. 14.
Radiator protector. A. A. Firkins. 1,533,982; Apr. 14.
Radiators, Shutter apparatus for. C. A. Pipenhagen. 1,533,460; Apr. 14.
Radium emanation, Process and apparatus for collecting. G. Failla. 1,533,794; Apr. 14.
Rail joint, Bonding. I. K. Johnson. 1,533,916; Apr. 14.
Railway-crossing gate. T. M. Blackwell. 1,533,722; Apr. 14.
Railway-crossing guard. E. Gibson. 1,533,850; Apr. 14.
Railway crossings, Signaling apparatus for. E. S. Pearce. 1,533,513; Apr. 14.
Railway ditcher. O. C. Mann. 1,533,198; Apr. 14.
Railway rails, Electrical connection for. J. D. Sturgeon. 1,533,279; Apr. 14.
Railway reflector signal. C. H. Kilpatrick. 1,533,742; Apr. 14.
Railway rolling stock, Truck for. R. F. Hall. 1,533,245; Apr. 14.
Railway signaling system. F. Benedict. 1,533,357; Apr. 14.
Railway way construction and maintenance car. A. L. Greenabaum. 1,533,183; Apr. 14.
Rattle, Sparking. L. V. Aronson. 1,533,361; Apr. 14.
Razor, Motor-operated. L. A. Maynard. 1,533,654; Apr. 14.
Reamer. D. S. Fox. 1,533,314; Apr. 14.
Receptacle closure. L. R. N. Carvalho. 1,533,385; Apr. 14.
Receptacles, Producing. R. P. Perry. 1,533,606; Apr. 14.
Receptacles such as tins, Mechanism for feeding and conveying open. W. E. Prescott and J. E. Pointon. 1,533,943; Apr. 14.
Record-producing device. A. Lindner. 1,533,561; Apr. 14.
Recorder for machine output, Automatic. G. Desenne. 1,533,586; Apr. 14.
Refractory articles and the like, Making. A. G. Betts. 1,533,689; Apr. 14.
Refrigerating and for manufacturing ice, Apparatus for. W. F. Jones and A. M. Pennington. 1,533,865; Apr. 14.
Refrigerating apparatus. H. D. Pownall. 1,533,336; Apr. 14.
Refrigerator. A. L. Givens. 1,533,646; Apr. 14.
Refrigerator. A. Johnson. 1,533,863; Apr. 14.
Refuse destructors and means for practicing same, Operation of. R. Balber. 1,533,686; Apr. 14.
Register: *See*—
Autographic register.
Regulator: *See*—
Slip regulator. Valve regulator.
Temperature regulator.
Regulator handle. F. E. Greene. Des. 67,029; Apr. 14.
Resistance unit. F. H. Bullinger. 1,533,096; Apr. 14.
Retort above a gas producer, Device for deflecting, opening, and crushing fuel or material in a. T. R. Wollaston. 1,533,718; Apr. 14.
Rifle, Automatic. J. M. Browning. 1,533,966–8; Apr. 14.
Ring guard, Finger-. G. Melling. 1,533,441; Apr. 14.
Ring: *See*—
Piston ring.
Rotary engine. C. L. Ragot. 1,533,514; Apr. 14.
Rubber articles, Manufacture of sponge-. F. S. Malon. 1,533,197; Apr. 14.
Rubber heels, Machine for trimming. E. D. Putt and W. C. Stevens. 1,533,139; Apr. 14.

Rubber-tube-cutting machine. C. B. Martin. 1,533,126; Apr. 14.
Rust-removing compound. J. J. Varn Buhler. 1,533,622; Apr. 14.
Sadirons, Cord holder for. G. A. Herron. 1,533,412; Apr. 14.
Safety device. J. H. Flamm. 1,533,983; Apr. 14.
Safety switch, Inclosed. P. Hartmann. 1,533,315; Apr. 14.
Sand-handling machine, Molding-. D. J. Campbell. 1,533,383; Apr. 14.
Sanitary fork. G. Nicot and C. Grenouillou. 1,533,939; Apr. 14.
Sanitary receptacle. S. A. Hoge. 1,533,860; Apr. 14.
Sash attachment. J. I. Koltes. 1,533,558; Apr. 14.
Sash or screen lock. F. M. Davenport. 1,533,725; Apr. 14.
Saw, Portable. V. Davis. 1,533,974; Apr. 14.
Scale, Double-pendulum. H. O. Hem. 1,533,118; Apr. 14.
Scarf, Table. J. Derk. Des. 67,019; Apr. 14.
Scissors, Flower and fruit gathering pinching. M. Audibert. 1,533,535; Apr. 14.
Scouring device. R. B. Kingman. 1,533,868; Apr. 14.
Scraper. P. C. Anderson. 1,533,720; Apr. 14.
Screen: *See*—
Picture screen.
Screws, Lifting device for temper. G. A. Montgomery. 1,533,751; Apr. 14.
Sealing cap and the manufacture thereof. A. Dultiz. Re16,042; Apr. 14.
Securing device. C. Mendler. 1,533,565; Apr. 14.
Seed-cotton conditioner. P. H. Rylander. 1,533,903; Apr. 14.
Separable fastener. F. O. Berg. 1,533,581; Apr. 14.
Separator: *See*—
Bearing separator. Oil and gas separator.
Egg separator.
Separator. B. S. Hughes. 1,533,501; Apr. 14.
Separator and trap. C. A. Dawley. 1,533,835; Apr. 14.
Separator bowl to facilitate the removal of slime therefrom, Centrifugal. E. A. Forsberg. 1,533,313; Apr. 14.
Separator for feeds, Cup. W. Thoma. 1,533,523; Apr. 14.
Shade and curtain bracket. E. Crosse, W. Brown, and C. Lenz. 1,533,395; Apr. 14.
Shaper. R. T. Hazelton. 1,533,549; Apr. 14.
Shapers, Gear casing for. R. T. Hazelton. 1,533,548; Apr. 14.
Shears for cutting and trimming grass and hedges. J. T. Stitt. 1,533,479; Apr. 14.
Sheave. E. A. Sohn. 1,533,476; Apr. 14.
Shingle, Interlocking. R. A. Knoll. 1,533,923; Apr. 14.
Shingle, Strip. L. Busha. 1,533,969; Apr. 14.
Ships, Steadying device of the rolling of. S. Motora. 1,533,328; Apr. 14.
Shoe. A. Barna. Des. 67,007; Apr. 14.
Shoe. A. Posner. Des. 67,048; Apr. 14.
Shoe. J. E. Williams. 1,533,287; Apr. 14.
Shoe dressing, Composition for white. A. G. Collias. 1,533,164; Apr. 14.
Shredding machine, Plant-. W. E. Killinger. 1,533,922; Apr. 14.
Sign for advertising and other display. V. E. Donner. 1,533,789; Apr. 14.
Signal: *See*—
Derail signal. Railway reflector signal.
Signal. P. J. Forsythe. 1,533,846; Apr. 14.
Signal transmitter. J. H. Derby. 1,533,542; Apr. 14.
Signaling device, Automatic. J. Bulewich and J. Nosarzewski. 1,533,095; Apr. 14.
Signaling, Electric. H. C. T. Eggers. 1,533,105; Apr. 14.
Signaling, Secret. H. Fletcher. 1,533,311; Apr. 14.
Signaling system. D. A. Reynolds. 1,533,515; Apr. 14.
Signaling system, Duplex. O. B. Blackwell. 1,533,091; Apr. 14.
Sink tray. C. J. Oles. 1,533,891; Apr. 14.
Sintering apparatus. J. E. Greenawalt. 1,533,108; Apr. 14.
Sirup can. H. C. Long. Des. 67,041; Apr. 14.
Skate, Roller. A. H. Fritz. 1,533,848; Apr. 14.
Slip regulator. H. A. Lewis. 1,533,253; Apr. 14.
Slip, Rotary. W. C. Babin. 1,533,362; Apr. 14.
Slipper. H. M. Husk. Des. 67,034; Apr. 14.
Slotting tool. H. Hathaway. 1,533,547; Apr. 14.
Smoking appliance. E. C. Bunte. 1,533,579; Apr. 14.
Smoking-pipe holder. G. G. Place. 1,533,610; Apr. 14.
Socket plug. H. E. Slade. 1,533,771; Apr. 14.
Socket shell or casing. T. A. Both. 1,533,691; Apr. 14.
Socket wrench. W. S. Bellows. 1,533,784; Apr. 14.
Soldering device, Electric. E. Wagner. 1,533,959; Apr. 14.
Soldering iron, Commutator. H. A. Hands. 1,533,246; Apr. 14.
Soldering iron, Electric. O. A. Colby. 1,533,280; Apr. 14.
Sorting machine. G. W. Cox, jr. 1,533,697–8; Apr. 14.
Sound amplifier. H. W. Pleister. Des. 67,046–7; Apr. 14.
Sound-producing device. J. P. Northey. 1,534,016; Apr. 14.
Spark plug. S. S. Davis. 1,533,308; Apr. 14.
Spark plug. F. M. Euler. 1,533,979; Apr. 14.
Spectacles, Bow attachment for. W. A. Mann. 1,533,506; Apr. 14.
Speedometer. C. W. Svenson. 1,533,674; Apr. 14.
Spindle. C. A. Kenworthy. 1,533,867; Apr. 14.
Spoon or similar article. E. T. Beck. Des. 67,008; Apr. 14.
Spout, Pouring. P. S. O'Reilly. 1,533,184; Apr. 14.
Spray and wash rubber glove. R. L. Frost. 1,533,732; Apr. 14.
Spring: *See*—
Laminated spring. Vehicle spring.
Spring cover. C. A. Davis and H. L. McCloy. 1,533,397; Apr. 14.
Spring spreader. G. L. E. Klingbeil. 1,533,993–4; Apr. 14.
Sprinkler systems and the like, Alarm-controlling device for. G. I. Rockwood. 1,533,948; Apr. 14.
Square, Bevel. C. Bybre. 1,533,097; Apr. 14.
Stage, Portable. E. T. Purdy and C. A. Cornell. 1,533,337; Apr. 14.
Starting device. P. M. Rainey and G. A. Locke. 1,533,211; Apr. 14.
Steam boiler, Electric. T. A. Reid. 1,533,268; Apr. 14.
Steam-pressure in boilers, Apparatus for controlling. F. Hennebohle. 1,533,800; Apr. 14.
Steel articles, Locally heat-treating hardened. T. C. Dawson. 1,533,236; Apr. 14.
Stencil. L. H. Carufel. 1,533,584; Apr. 14.
Sterilizer heater. J. C. Woodson. 1,533,291; Apr. 14.
Stitch and needle guard. M. E. Blackman. 1,534,001; Apr. 14
Stopcock. G. Failla. 1,533,793; Apr. 14.
Stove structure. T. E. Taylor. 1,533,998; Apr. 14.
Stoves, Burner for gas. O. A. Ferguson. 1,533,909; Apr. 14.
Strap: *See*—
Buckle strap.
Submarine signaling system. J. J. Gilbert. 1,533,645; Apr. 14.
Suitcase and luggage holder. E. Wilson. 1,533,488; Apr. 14.
Sulphur, Casting. J. W. Schwab. 1,533,213; Apr. 14.
Supporting bracket. A. Saksa. 1,533,709; Apr. 14.
Surgical knife. L. Castracane. 1,533,971; Apr. 14.
Swimming device. A. W. Nilsson. 1,533,659; Apr. 14.
Swinging closure. J. F. Bunkers. 1,533,378; Apr. 14.
Switch: *See*—
Electric switch. Time switch.
Safety switch. Wire switch.
Telephone switch.
Switch-actuating mechanism, Electric-. H. P. McColl. 1,533,562; Apr. 14.
Switch catch, Inclosed. C. D. Platt. 1,533,461; Apr. 14.
Switch mechanism. H. L. Blood. 1,533,370; Apr. 14.
Switch mechanism, Electrical. A. C. Day. 1,533,699; Apr. 14.
Switching device, Automatic. A. D. Hargan. 1,533,188; Apr. 14.
Synchronous apparatus, Automatic adjusting mechanism for. O. E. Kellum. 1,533,319; Apr. 14.
Table: *See*—
Candy-warming table. Power table.
Hot table.
Table article. G. Lecopoulos. 1,533,928; Apr. 14.
Table-top stretching method and means, Metal-. H. A. Hall. 1,533,591; Apr. 14.
Tank: *See*—
Flush tank. Fuel-reserve tank.
Tanks, Safety device for gasoline. W. E. Durborow. 1,533,309; Apr. 14.
Tanning agent. F. Hassler. 1,533,594; Apr. 14.
Teeter-totter. L. G. and T. G. Pattison. 1,533,261; Apr. 14.
Telephone and telegraph system with amplifiers. H. Fassbender and E. Habann. 1,533,842; Apr. 14.
Telephone cabinet. W. J. Haehn. 1,533,989; Apr. 14.
Telephone-exchange system. H. P. Clausen and C. L. Goodrum. 1,533,163; Apr. 14.
Telephone-exchange system. C. L. Goodrum. 1,533,182; Apr. 14.
Telephone-exchange system. C. W. Keckler. 1,533,192; Apr. 14.
Telephone-exchange system. P. B. Murphy. 1,533,203; Apr. 14.
Telephone-exchange system. S. B. Williams, jr. 1,533,153; Apr. 14.
Telephone hand set. L. W. Kelsay. 1,533,193; Apr. 14.
Telephone headset. E. T. Turney. 1,533,524; Apr. 14.
Telephone switch, Automatic. F. J. Brownell. 1,533,376; Apr. 14.
Telephone system. C. L. Goodrum. 1,533,181; Apr. 14.
Telephone transmitter. R. A. Engler. 1,533,730; Apr. 14.
Telegraph system. A. D. Dowd. 1,533,171; Apr. 14.
Telegraph, Type-printing. E. Ehrhardt. 1,533,720; Apr. 14.
Telegraphy, Printing. H. Pfannenstiehl. 1,533,206–7; Apr. 14.
Telescope, Prismatic. E. Harwix. 1,533,248; Apr. 14.
Temperature indicator and controller. T. A. Reid. 1,533,267; Apr. 14.
Temperature-limiting heater. F. J. Postel. 1,533,463; Apr. 14.
Temperature regulator. O. A. Colby. 1,533,225; Apr. 14.

Tent, Camper's. R. R. Whitehead. 1,533,820; Apr. 14.
Test mold. F. Rodier. 1,533,341; Apr. 14.
Testing machine. H. E. Tautz. 1,533,281; Apr. 14.
Testing system. E. R. Lundius. 1,533,195; Apr. 14.
Thermal control system, Automatic. F. Thornton, Jr. 1,533,283; Apr. 14.
Thrashing machines, Distributor attachment to. A. Berggren. 1,533,963; Apr. 14.
Thrashing machines, Grain-cleaning attachment for. H. B. Stinson. 1,533,997; Apr. 14.
Thread-gauge construction. B. H. Blood. 1,533,369; Apr. 14.
Thrust meter. F. W. Caldwell. 1,533,306; Apr. 14.
Tie: *See*—
Wall tie.
Tile-mounting device. E. E. Ellis. 1,533,588; Apr. 14.
Timber, Water and fire proofing. F. S. Vivas. 1,533,526; Apr. 14.
Time-controlled regulating device. E. S. Marsh. 1,533,200; Apr. 14.
Time switch, motor-operated. H. E. Warren. 1,533,677; Apr. 14.
Tire. K. B. Kilborn. Des. 67,037; Apr. 14.
Tire, Automobile. S. A. Nantes. 1,533,566; Apr. 14.
Tire covering. M. D. Campbell and H. C. Heisey. 1,533,970; Apr. 14.
Tire-opening machine. W. C. Hough. 1,533,990; Apr. 14.
Tire structure, Cushion-. A. A. Robb. 1,533,339; Apr. 14.
Tires, Inner boot for automobile. L. G. Beloud. 1,533,301; Apr. 14.
Tires, Traction grip for. R. C. Webster. 1,533,679; Apr. 14.
Titanium or its alloys, Producing metallic. S. J. Lubowsky. 1,533,505; Apr. 14.
Toaster. B. B. Kahn. 1,533,117; Apr. 14.
Toaster heating unit. F. F. Forshee. 1,533,241; Apr. 14.
Tobacco box. W. J. Ward. 1,533,527; Apr. 14.
Tongue-cleaning device. O. L. Lewis. 1,533,123; Apr. 14.
Tongued boarding, Tool for cutting. C. H. Burton. 1,533,305; Apr. 14.
Tourist's kit. C. Billburg. 1,533,494; Apr. 14.
Toy. J. Brownlee. 1,533,631; Apr. 14.
Toy, Figure. F. D'Onofrio. 1,533,543; Apr. 14.
Toy gun. H. J. Wolter. 1,533,908; Apr. 14.
Toy, Mechanical. C. Baty, jr. 1,533,493; Apr. 14.
Toy, Propelling. H. D. Sloan. 1,533,772; Apr. 14.
Toy river boat. H. R. L. Chellman. 1,533,634; Apr. 14.
Toy vehicle. W. F. Dathan. 1,533,167; Apr. 14.
Toy wagon. H. Kister. 1,533,651; Apr. 14.
Toy, Whistling propelier. F. H. Newcomb. 1,533,889; Apr. 14.
Tractor wheel shift mechanism. S. W. Raymond. 1,533,809; Apr. 14.
Tractors, Mowing attachment for. R. C. Zanon. 1,533,392; Apr. 14.
Trailer. A. O. Nordine. 1,533,449; Apr. 14.
Transformation of fluid energy into work, Method and apparatus for controlling the. J. G. Prosser. 1,533,570; Apr. 14.
Transmission, Auxiliary. S. O. White. 1,533,531; Apr. 14.
Transmission device. F. D. Wilson and L. S. Burns. 1,533,626; Apr. 14.
Transport. C. Tiburtius. 1,533,776; Apr. 14.
Trap: *See*—
Animal trap. Bandit trap.
Tree holder. L. G. Karr. 1,533,739; Apr. 14.
Trolley carrier for electric street cars, Automatic resetting. R. J. Burn. 1,533,161; Apr. 14.
Truck, Hoisting. J. D. Herron. 1,533,595; Apr. 14.
Trucks, Securing brake-beam supports to. W. E. Fowler, jr. 1,534,004; Apr. 14.
Trunk-rack bracket. H. M. Bater and C. A. Glentworth. 1,533,866; Apr. 14.
Trunk, Traveling. W. H. Harrison. 1,533,856; Apr. 14.
Tube cleaner. F. W. Linaker and T. M. Bruback. 1,533,872; Apr. 14.
Tube-making machines, Attachment for flexible-. C. J. Johnson. 1,533,864; Apr. 14.
Tube protectors, Manufacturing. F. B. Pfeiffer. 1,533,609; Apr. 14.
Tube-severing apparatus. W. S. Pritchard. 1,533,263; Apr. 14.
Turbine, Steam. K. Baumann. 1,533,156; Apr. 14.
Type-bar rest. C. B. Corcoran. 1,533,892; Apr. 14.
Type-casting machines, Matrix-case equipment for. F. H. Pierpont. 1,533,457; Apr. 14.
Type segments, Locking and aligning. W. W. Lasker. 1,533,120; Apr. 14.
Typewriter ribbon. C. Campbell. 1,533,382; Apr. 14.
Typewriters, Attachment for manifolding. H. H. Konerman and R. C. Leimberger. 1,533,430; Apr. 14.
Typewriting machine. L. L. Ansart. 1,533,534; Apr. 14.
Typewriting machine. C. B. Corcoran. 1,533,585; Apr. 14.
Typewriting machine. B. C. Stickney. 1,533,355; Apr. 14.
Typographic machines, Matrix-case equipment for. F. H. Pierpont. 1,533,458; Apr. 14.
Typographic matrix-case equipment. F. H. Pierpont. 1,533,459; Apr. 14.
Typographic mechanism. F. H. Pierpont and J. E. Tipton. 1,533,456; Apr. 14.
Typographical distributing machine. D. S. Kennedy. 1,533,920; Apr. 14.
Unbreakable comb. W. E. Muse. 1,533,330; Apr. 14.
Underpresser. B. Basskin and A. Waisman. 1,533,783; Apr. 14.
Universal joint. H. J. Jones. 1,533,425; Apr. 14.
Vacuum cleaner. L. M. Parker. 1,533,806; Apr. 14.
Vacuum cleaner, Hand-operated. W. L. Keefer. 1,533,919; Apr. 14.
Vacum-tube holder. J. W. Radu. 1,533,209; Apr. 14.
Vacuum-tube mounting. J. W. Radu. 1,533,210; Apr. 14.
Valve. D. G. Lorraine. 1,533,745; Apr. 14.
Valve device, Brake-. L. V. Lewis. 1,533,322; Apr. 14.
Valve, Emergency control. D. H. Green. 1,533,404; Apr. 14.
Valve-facing device. W. V. Nickau. 1,533,133; Apr. 14.
Valve, Float. O. Linstadt. 1,533,434; Apr. 14.
Valve for gases, Mixing. T. W. Saunt. 1,533,904; Apr. 14.
Valve grinder. E. L. Stinn. 1,533,218; Apr. 14.
Valve lifter. S. S. Davis. 1,533,307; Apr. 14.
Valve magnet. G. W. Meyers. 1,533,128; Apr. 14.
Valve mechanism, Governor-operated. H. W. Newberg. 1,533,204; Apr. 14.
Valve, Multiple. F. Gendron. 1,533,177; Apr. 14.
Valve, Nonreturn. R. E. Schurtz. 1,533,144; Apr. 14.
Valve plunger. G. L. Miller. 1,533,883; Apr. 14.
Valve regulator, Adjustable automatic. L. H. Hanson. 1,533,407; Apr. 14.
Valve, Relief. F. C. Fants and H. G. Hill. 1,533,640; Apr. 14.
Vanity case. C. E. Murnan. 1,533,329; Apr. 14.
Variometer connecter. A. Rubin. 1,533,613; Apr. 14.
Varnish and paint, Removing. E. A. Marshall and W. J. Burke. 1,533,326; Apr. 14.
Vehicle body. E. J. Stahl. 1,533,354; Apr. 14.
Vehicle body for grain or stock. E. B. Smoak. 1,533,475; Apr. 14.
Vehicle brake, Motor-. F. T. Burgess. 1,534,009; Apr. 14.
Vehicle bumper. A. M. Godwin. 1,533,988; Apr. 14.
Vehicle bumper. M. Schlatter and L. C. Freeman. 1,533,764; Apr. 14.
Vehicle, Child's. J. K. Selenkow. 1,533,520; Apr. 14.
Vehicle, Compartment dumping. C. J. Hug. 1,533,419; Apr. 14.
Vehicle, Foot-propelled. W. R. Benjamin. 1,533,824; Apr. 14.
Vehicle, Mail-delivery. E. J. Douglas. 1,533,837; Apr. 14.
Vehicle spring. C. J. Hug. 1,533,418; Apr. 14.
Vehicle wheel. R. O'Flaherty. 1,533,450; Apr. 14.
Vehicle wheel. F. L. Main. 1,533,438; Apr. 14.
Vehicles, Bumper for motor. E. Galassi. 1,533,985; Apr. 14.
Vehicles, Bumper for motor. C. G. Ross. 1,533,612; Apr. 14.
Vehicles, Bumper for motor. J. H. Sager. 1,533,517; Apr. 14.
Vehicles, Clutch lock for motor. C. F. Humphrey and G. M. Jeffrey. 1,533,736; Apr. 14.
Vehicles, Side-tipping body for. W. L. Paynter. 1,533,453; Apr. 14.
Vulcanizer and press, Inlay. J. H. Williams. 1,533,625; Apr. 14.
Wagon, Dump. T. K. Lowry. 1,533,436. Apr. 14.
Wall tie. J. J. Mack. 1,533,324; Apr. 14.
Warp-leasing machine. E. F. Hathaway. 1,533,799; Apr. 14.
Wash cloth. C. P. Gillum. 1,533,733; Apr. 14.
Washing machine. F. Balser. 1,533,363; Apr. 14.
Washing machine. G. S. Blakeslee. 1,533,159; Apr. 14.
Washing machine. H. M. Hinkel. 1,533,596; Apr. 14.
Washing plunger. S. O. U. Veal. 1,533,577; Apr. 14.
Washing serving trays, Machine for. C. J. Ulrich and W. A. Miller. 1,533,150; Apr. 14.
Watchcase appendage. A. P. Conant. Des. 67,012; Apr. 14.
Watch tag, Wrist-. A. Bulova. Des. 67,010; Apr. 14.
Water gauge. F. L. Homan. 1,533,551; Apr. 14.
Water heater. E. C. Doelle and E. J. Eggert. 1,533,495; Apr. 14.
Waterproof pad, Quilted. S. Cohen and S. Kilberg. 1,533,975; Apr. 14.
Waterproofed fibrous material. A. L. Clapp. 1,533,000; Apr. 14.
Water, Purifying. W. H. Walker. 1,533,778; Apr. 14.
Water trap and trap connection. P. Mueller, A. C. Schuermann, and C. W. Lucas. 1,533,886; Apr. 14.
Weather strip. E. J. Wirfs. 1,533,490; Apr. 14.
Weeder. M. D. Kast. 1,533,918; Apr. 14.
Weight-supporting plungers, Operating mechanism for. L. Lee. 1,533,871; Apr. 14.
Welding and preheating handle, Electric-arc. H. W. Livermore. 1,533,874; Apr. 14.
Welding, Ornamental arc. O. H. Eschholz. 1,533,289; Apr. 14.
Well barrel, Oil-. C. B. Rush. 1,533,760; Apr. 14.
Well casing and sand screen, Adjustable. W. D. Lough. 1,533,747; Apr. 14.

Well-drilling bit. H. P. Wickersham. 1,533,286; Apr. 14.
Well driver. J. W. Potts. 1,533,897; Apr. 14.
Wheel: *See*—
Gear wheel.
Nonskid wheel.
Vehicle wheel.
Windmills, Governor for. C. E. Sargent. 1,533,467; Apr. 14.
Window, Casement. A. F. Stukey. 1,533,521; Apr. 14.
Window catch. P. G. R. Macinnes. 1,533,879; Apr. 14.
Window-operating mechanism. A. Zitterbart. 1,533,155; Apr. 14.
Window or windshield cleaner. J. S. Prowense. 1,533,944; Apr. 14.
Window-regulator installation. T. P. Archer and E. E. Heintz. 1,533,084; Apr. 14.
Window scaffold. J. H. Cook. 1,533,832; Apr. 14.
Wire switch. H. W. Goff. 1,533,179; Apr. 14.
Wireless apparatus, Adjusting rotary spark gaps of. J. L. Jenks, jr. 1,533,502; Apr. 14.
Wireless messages, Receiving set for. E. Moore. Des. 67,043; Apr. 14.
Wooden structures and the like, Fitting for connecting together parts of. W. H. Clarke-James. 1,533,724; Apr. 14.
Work fixture, Automatic. W. C. Sproul. 1,533,710; Apr. 14.
Work-holding device. H. S. Bergen. 1,533,089; Apr. 14.
Wrench: *See*—
Socket wrench.
Wrench. E. E. Lynch and H. A. Mead. 1,533,602; Apr. 14.
Wrench construction. W. S. Bellows. 1,533,785; Apr. 14.
Wringer. C. C. Howe. 1,533,861; Apr. 14.
Writing device. A. Cheane. 1,533,162; Apr. 14.
Yarns of knitted fabrics, Apparatus for separating and unraveling. H. F. Drenk. 1,533,728; Apr. 14.
Yarn-tube frames, Attaching device for. W. W. Robertson. 1,533,340; Apr. 14.

CLASSIFICATION OF PATENTS

ISSUED APRIL 14, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

2— 24: 1,533,907
96: 1,533,953
154: 1,533,663
170: 1,533,624
4— 67: 1,533,748
72: 1,533,869
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8— 2: 1,533,917
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9— 21: 1,533,650
10— 130: 1,533,389
11— 4: 1,533,895
12— 136: 1,533,814
1,533,815
1,533,816
14— 7: 1,533,927
15— 16: 1,533,371
17: 1,533,919
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127: 1,533,732
138: 1,533,909
155: 1,533,908
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222: 1,533,733
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16— 86: 1,533,687
163: 1,533,401
17— 26: 1,533,982
18— 7: 1,533,625
12: 1,533,191
45: 1,533,604
47.5: 1,533,689
48: 1,533,553
53: 1,533,197
56: 1,533,609
58: R. 16,043
1,533,213
19— 1: 1,533,922
3: 1,533,200
36: 1,533,598
158: 1,533,977
20— 2: 1,533,905
16: 1,533,378
22: 1,533,620
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33: 1,533,981
33.2: 1,533,084
53: 1,533,521
60: 1,533,490
92: 1,533,099
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25: 1,533,220
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65: 1,533,202
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226: 1,533,952
24— 6: 1,533,169
11: 1,533,495
14.3: 1,533,964
85: 1,533,702
123: 1,533,555
133: 1,533,504
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241: 1,533,995
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261: 1,533,367
263: 1,533,362
25— 121: 1,533,341
123: 1,533,830
131.5: 1,533,960
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1,533,347
1,533,351
6: 1,533,348
1,533,349
1,533,350
14: 1,533,346
17: 1,533,728
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84: 1,533,766
86: 1,533,560
86.3: 1,533,207
159: 1,533,165
30— 1: 1,533,564
3: 1,533,599
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31— 27: 1,533,445
68: 1,533,187
33— 23: 1,533,760
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1,533,194
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13: 1,533,252
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36— 36: 1,533,160
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51: 1,533,267
37— 63: 1,533,465
76: 1,533,423
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1,533,198
126: 1,533,720
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16: 1,533,909
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1,533,907
1,533,908
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59: 1,533,243
88: 1,533,580
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122: 1,533,294
133: 1,533,851
138: 1,533,276
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1,533,661
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1,535,534
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108: 1,533,152
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42: 1,533,754
121— 116: 1,533,146
121: 1,533,514
143: 1,533,570
67: 1,533,937
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250: 1,533,495
260: 1,533,706
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1,533,873
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128— 23: 1,533,605
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1,533,843
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101— 126: 1,533,700
127: 1,533,584
381: 1,533,462
102— 19: 1,533,199
36: 1,533,756
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103— 155: 1,533,440
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179: 1,533,700
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133— 3: 1,533,244
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1,533,568
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153: 1,533,304
139— 10: 1,533,240
157: 1,533,532
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1,533,707
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141— 9: 1,533,150
1,533,159
144— 218: 1,533,575
237: 1,533,547
304: 1,533,688
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146— 2: 1,533,377
3: 1,533,208
182: 1,533,217
213: 1,533,405
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10: 1,533,236
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23: 1,533,11[illegible]
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54: 1,533,90[illegible]
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8: 1,533,56[illegible]
14: 1,533,79[illegible]
24: 1,533,01[illegible]
153— 1: 1,533,91[illegible]
1,533,969
2: 1,533352
40: 1,533443
154— 9: 1,533990
155— 124: 1,535219
156— 22: 1,53[illegible]302
24: 1,53[illegible]395
1,5[illegible],709
158— 1: 1,5[illegible],533
11: 1,[illegible],599
28: 1,[illegible],094
1,[illegible],420
46.5: 1,[illegible],082
1,[illegible],390
53: 1[illegible],129
65: 1[illegible],081
73: 1[illegible],482
104: 1[illegible],909

158— 105: 1,533,212
115: 1,533,643
161— 1: 1,533,371
10: 1,533,796
162— 8: 1,533,180
164— 58: 1,533,124
61: 1,533,139
68: 1,533,126
98: 1,533,986
112: 1,533,852
118: 1,533,681
166— 5: 1,533,747
15: 1,533,404
167— 3: 1,533,820
9: 1,533,794
169— 23: 1,533,948
170— 68: 1,533,467
170: 1,533,552
171— 95: 1,533,356
119: 1,533,749
242: 1,533,613
1,533,930
324: 1,533,237
172— 36: 1,533,242
276: 1,533,277
278: 1,533,647
280: 1,533,211
293: 1,533,319
1,533,655
172— 262: 1,533,279
318: 1,533,623
332: 1,533,310
339: 1,533,690
351: 1,533,415
360: 1,533,771
362: 1,533,691
175— 294: 1,533,698
360: 1,533,797
176— 26: 1,533,360
42: 1,533,900
177— 330: 1,533,098
1,533,846
351: 1,533,680
369: 1,533,542
178— 7: 1,533,422
17: 1,533,206
27: 1,533,207
34: 1,533,729
53: 1,533,171
63: 1,533,091
1,533,178
1,533,645
88: 1,533,105
179— 1: 1,533,311
1,533,515
17: 1,533,153
18: 1,533,154
1,533,163
1,533,181
1,533,182
27: 1,533,192
27.5: 1,533,179
1,533,376
50: 1,533,203
103: 1,533,193
108: 1,533,757
119: 1,533,372
121: 1,533,730
122: 1,533,675
146: 1,533,989
156: 1,533,524

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1,533,477
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22: 1,533,518
41: 1,533,809
66: 1,533,982
70: 1,533,531
83: 1,533,634
90: 1,533,098
183— 2.7: 1,533,744
3: 1,533,859
5: 1,533,813
42: 1,533,835
79: 1,533,501
114.6: 1,533,716
184— 105: 1,533,592
187— 72: 1,533,576
188— 77: 1,533,945
78: 1,533,790
1,534,009
204: 1,533,755
213: 1,534,004
189— 19: 1,533,590
21.2: 1,533,250
190— 12: 1,533,494
19: 1,533,856
57: 1,533,149
191— 88: 1,533,161
192— 2: 1,533,554
58: 1,533,338
60: 1,533,877
77: 1,533,955
93: 1,533,516
148: 1,533,205
194— 73: 1,533,538
196— 45: 1,533,225
62: 1,533,839
197— 42: 1,533,392
105: 1,533,585
133: 1,533,430
172: 1,533,382
186: 1,533,355
187: 1,533,534
198— 29: 1,533,943
170: 1,533,353
199— 39: 1,533,920
79: 1,533,456
1,533,457
1,533,458
1,533,459
200— 2: 1,533,983
5: 1,533,295
14: 1,533,188
33: 1,533,677
50: 1,533,315
98: 1,533,370
125: 1,533,714
131: 1,533,498
142: 1,533,394
147: 1,533,251
161: 1,533,562
168: 1,533,690
202— 9: 1,533,718
204— 5: 1,533,805
8: 1,533,656
11: 1,533,447

204— 15: 1,533,741
19: 1,533,911
24: 1,533,711
64: 1,533,224
1,533,225
1,533,228
1,533,231
1,533,232
1,533,254
1,533,255
1,533,264
1,533,265
1,533,266
1,533,267
1,533,269
1,533,270
1,533,288
1,533,298
206— 1.5: 1,533,402
38: 1,533,527
41: 1,533,413
208— 30: 1,533,824
38: 1,533,051
42: 1,533,167
1,533,520
179: 1,533,848
210— 9: 1,533,807
23: 1,533,778
211— 7: 1,533,147
214— 18: 1,533,847
52: 1,533,667
55: 1,533,940
113: 1,533,894
215— 38: 1,533,385
58: 1,533,358
217— 32: 1,534,006
57: 1,533,363
219— 8: 1,533,239
1,533,300
14: 1,533,874
19: 1,533,090
1,533,117
1,533,226
1,533,227
1,533,240
1,533,241
1,533,289
1,533,290
20: 1,533,247
1,533,262
1,533,770
21: 1,533,452
23: 1,533,116
25: 1,533,229
1,533,233
1,533,258
1,533,412
26: 1,533,230
1,533,246
1,533,950
34: 1,533,845
35: 1,533,283
37: 1,533,175
38: 1,533,268
1,533,291
1,533,541
1,533,788
247— 42: 1,533,098
45: 1,533,756
57: 1,533,253

219— 63: 1,533,096
67: 1,533,202
220— 1: 1,533,826
3: 1,533,178
74: 1,533,309
82: 1,533,497
221— 23: 1,533,134
67: 1,533,587
106: 1,533,125
123: 1,533,435
224— 29: 1,533,365
1,533,488
226— 18: 1,533,666
19: 1,533,890
96: 1,533,536
229— 35: 1,533,478
230— 1: 1,533,052
11: 1,533,483
1,533,806
13: 1,533,840
27: 1,533,876
33: 1,533,396
34: 1,533,958
232— 4: 1,533,600
40: 1,533,887
1,533,956
233— 27: 1,533,313
234— 32: 1,533,586
235— 1: 1,533,530
58: 1,533,119
1,533,120
1,533,121
60: 1,533,393
236— 9: 1,533,614
35: 1,533,460
46: 1,533,200
237— 6: 1,533,176
8: 1,533,630
238— 243: 1,533,916
240— 48.2: 1,533,615
61: 1,533,496
1,533,743
62: 1,533,424
1,533,957
73: 1,533,808
241— 5: 1,533,996
6: 1,533,951
8: 1,533,924
243— 60: 1,533,802
68: 1,533,867
117: 1,533,556
120: 1,533,913
244— 1: 1,533,312
1,533,912
5: 1,533,563
16: 1,533,713
17: 1,533,786
25: 1,533,323
29: 1,533,222
30: 1,533,285
31: 1,533,284
246— 38: 1,533,357
114: 1,533,513
171: 1,533,632
261: 1,533,850
298: 1,533,722
474: 1,533,742
247— 1: 1,533,906
15: 1,533,759
248— 20: 1,533,209

248— 30: 1,533,210
38: 1,533,739
39: 1,533,136
250— 17: 1,533,223
27: 1,533,278
38: 1,533,502
41: 1,533,334
1,533,611
251— 6: 1,533,978
19: 1,533,398
93: 1,533,792
106: 1,533,177
144: 1,533,980
145: 1,533,800
156: 1,533,088
252— 8: 1,533,779
253— 39: 1,533,156
254— 8: 1,533,298
33: 1,533,965
34: 1,533,280
72: 1,533,421
102: 1,533,168
114: 1,533,737
187: 1,533,201
255— 18: 1,533,751
71: 1,533,286
256— 35: 1,533,321
257— 108: 1,533,409
261: 1,533,810
259— 81: 1,533,596
261— 1: 1,533,719
44: 1,533,904
262— 29: 1,533,559
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1,533,317
263— 3: 1,533,491
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34: 1,533,866
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264— 1: 1,533,674
14: 1,533,766
1,533,767
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16: 1,534,003
265— 4: 1,533,306
14: 1,533,281
18: 1,534,014
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62: 1,533,101
71: 1,533,140
266— 6: 1,533,630
7: 1,533,870
1,533,871
21: 1,533,106
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267— 37: 1,533,397
42: 1,533,418
47: 1,533,984
63: 1,533,844
268— 4: 1,533,155
7: 1,533,110
8: 1,533,106
272— 7: 1,533,914
273— 77: 1,533,638
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273— 86: 1,533,795
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292— 5: 1,533,811
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163: 1,533,619
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293— 44: 1,533,717
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24: 1,533,354
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97: 1,533,731
116: 1,533,148
137: 1,533,448
298— 11: 1,533,595
12: 1,533,419
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303— 6: 1,533,142
18: 1,533,481
54: 1,533,322
92: 1,533,692
304— 26: 1,533,822

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Household furniture. 197,744; Apr. 21; Serial No. 186,093, published Feb. 3, 1925.

Ace Hardware Mfg. Corp'n., Philadelphia, Pa. Knife sharpeners. 197,620; Apr. 21; Serial No. 205,972; published Feb. 3, 1925.

Admiral Anchor Company, The, Chester, Pa. Anchors 44,801; renewed July 25, 1925.

Advance-Rumely Company, Laporte, Ind. Traction engines and internal-combustion engines. 197,785, Apr. 21.

Aldrich Pump Co., The, Allentown, Pa. Power pumps and hydraulic machinery. 197,800; Apr. 21.

Alkalol Company, assignor to The Alkalol Company, Taunton, Mass. Alkaline antiseptic wash. 44,708; renewed July 18, 1925.

American Autoparts Company, Detroit, Mich. Automobile bumpers. 197,710; Apr. 21; Serial No. 205,306; published Jan. 27, 1925.

American Bleached Goods Company Inc., New York, N. Y. Cotton piece goods. 197,612; Apr. 21; Serial No. 199,767; published Feb. 3, 1925.

American Crayon Company, The, Sandusky, Ohio. Limestone eggs. 197,697; Apr. 21; Serial No. 205,577; published Jan. 13, 1925.

American Crucible Products Co., The, Elyria, Ohio. Babbitt metal. 197,740; Apr. 21; Serial No. 188,622; published Feb. 10, 1925.

American Cuptor Corporation, New York, N. Y. Machines for making paper cups. 197,496; Apr. 21; Serial No. 205,974; published Jan. 27, 1925.

Ames Shovel & Tool Company. (See Myers, H. M., Company, The, assignor.)

Amos-James Grocer Co., The, St. Louis, Mo. Food compound used as a salad dressing, relish, or sandwich spread. 197,605; Apr. 21; Serial No. 193,883; published Feb. 3, 1925.

Angus Watson & Company, Limited, Newcastle-on-Tyne, England. Canned foods. 197,668; Apr. 21; Serial No. 202,648; published Feb. 3, 1925.

Ansonia Company, The, Ansonia, Conn., and New York, N. Y. Clocks. 44,585; renewed July 11, 1925.

Anticoid Society. (See Ellis, James H. S.)

Appelbaum, Isaac, Philadelphia, Pa. Outer garments. 197,601; Apr. 21; Serial No. 191,119; published Apr. 22, 1924.

Applewhite, Nathaniel S., Washington, D. C. Preparation for treatment of the stomach and intestines. 197,577; Apr. 21; Serial No. 206,470; published Feb. 3, 1925.

Arlington, Kathryn, doing business as Fairyland, New York, N. Y. Apparel for infants and little boys and girls. 197,545; Apr. 21; Serial No. 203,597; published Jan. 27, 1925.

Arlt, Curt W., Brooklyn, N. Y. Rouge, lip stick, cold cream, etc. 197,556; Apr. 21; Serial No. 204,581; published Jan. 20, 1925.

Arnholt & Schaefer Brewing Company, The, Philadelphia, Pa. Lager beer. 46,481; renewed Sept. 19, 1925.

Arnold Electric Co., Racine, Wis. Dispensing machines. 197,779; Apr. 21.

Asbestos Limited, Inc., New York, N. Y. Plaster. 197,771; Apr. 21; Serial No. 205,101; published Jan. 27, 1925.

Asbestos Limited, Inc., New York, N. Y. Plaster. 197,773; Apr. 21; Serial No. No. 205,102; published Jan. 27, 1925.

Ash Grove Lime and Portland Cement Company, Portland, Me., and Kansas City, Mo. Finish-coat plastering material. 197,639; Apr. 21; Serial No. 203,708; published Jan. 27, 1925.

Associated Editors Inc., Chicago, Ill. Title for cartoons in newspaper publications. 197,659; Apr. 21; Serial No. 200,798; published Feb. 10, 1925.

Austrian, Joseph E., New York, N. Y. Books containing puzzles. 197,621; Apr. 21; Serial No. 205,983; published Feb. 3, 1925.

Axelson Machine Company, Los Angeles, Calif. Pump valves, pumps, pump fittings, sucker rods, and sucker-rod couplings. 197,686; Apr. 21; Serial No. 198,978; published Feb. 3, 1925.

Ayres, W. H., Company, The, Garretsville, Ohio. Lotion for face, hands, and skin. 197,582, Apr. 21, Serial No. 206,892; published Feb. 3, 1925.

Babani, Maurice, Paris, France. Perfume extracts, toilet waters, lotions, toilet powders, etc. 197,798; Apr. 21.

Baldwin, Dwight M., jr.; Baldwin Flour Mills Company, Minneapolis, Minn., successor. Wheat flour. 45,016; renewed Aug. 1, 1925.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Window-shade fabrics. 45,092; renewed Aug. 3, 1925.

Bancroft, Joseph, & Sons Co., Wilmington, Del. Window-shade fabrics. 45,740; renewed Aug. 29, 1925.

Banner Silk Knitting Mills, Inc., The, New York, N. Y. Artificial-silk and wool knitted cloth. 197,541; Apr. 21; Serial No. 200,802; published Feb. 3, 1925.

Barrow Mfg. Co., New York, N. Y. Nightgowns, slips, step-ins, and pyjamas. 197,730; Apr. 21; Serial No. 206,654; published Feb. 3, 1925.

Bartram Bros., Inc., New York, N. Y. Condensed and evaporated milk. 197,546; Apr. 21; Serial No. 203,712; published Feb. 3, 1925.

Bassett, Edward O., Helena, Mont. Medicinal compound for treatment of teeth and gums. 197,760; Apr. 21; Serial No. 204,743; published Feb. 3, 1925.

Bayly, Rhea C., Decatur, Ill. Preparation for sores, diphtheria, etc. 197,738; Apr. 21; Serial No. 189,655; published Feb. 3, 1925.

Bennett Injector Company, The, Muskegon, Mich. Self-measuring oil and grease pumps, etc. 197,538; Apr. 21; Serial No. 188,228; published Jan. 27, 1925.

Berbecker & Rowland Mfg. Co., The, Waterville, Conn. Furniture slides. 197,594; Apr. 21; Serial No. 172,817; published Dec. 11, 1924.

Berkander, Geo. F., Providence, R. I. Buttons. 197,587; Apr. 21; Serial No. 206,339; published Feb. 3, 1925.

Best Foods, Inc., The. (See Mucoa Butter Company, The, assignors.)

Bielek Manufacturing Company, Inc., doing business as The Doxin Laboratories, Pittsburgh, Pa. Antiseptic. 197,479; Apr. 21; Serial No. 205,191; published Feb. 3, 1925.

Blue Mill Hosiery Manufacturing Company. (See Browning Hosiery Mills.)

Blue Ridge Hickory Furniture Company, High Point, N. C. Porch, lawn, and sun-parlor furniture. 197,709; Apr. 21; Serial No. 206,309; published Feb. 3, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 197,495; Apr. 21; Serial No. 205,986; published Feb. 3, 1925.

Bohemian Magazine Company Inc., Baltimore, Md., and New York, N. Y. Magazine. 197,768; Apr. 21; Serial No. 204,992; published Feb. 3, 1925.

Bond Soeurs. (See D'Etrelilla, Jeanne.)

Bonnafant, William, doing business as Wm. Bonnafant, Jr., & Co., Boston, Mass. Liniment. 197,468; Apr. 21; Serial No. 205,511; published Jan. 27, 1925.

Bonnet-Brown Corporation, The, Chicago, Ill. Comic strips of a syndicated service. 197,510; Apr. 21; Serial No. 206,719; published Feb. 3, 1925.

Bono Drug Co., New York, N. Y. Stomach corrective laxative and relief for dyspepsia. 197,489; Apr. 21; Serial No. 206,150; published Jan. 27, 1925.

Boyd, Abraham L., Sacramento, Calif. Cough sirup. 197,663; Apr. 21; Serial No. 201,647; published Jan. 13, 1925.

Boyd-Richardson Co., St. Louis, Mo. Suits. 197,550; Apr. 21; Serial No. 204,851; published Dec. 22, 1924.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 197,692; Apr. 21; Serial No. 200,665; published Feb. 3, 1925.

Bradford Dyeing Association, (U. S. A.), The, Bradford, R. I. Cotton, silk, and woolen piece goods. 197,540; Apr. 21; Serial No. 199,526; published Feb. 3, 1925.

Brand & Oppenheimer, Incorporated, New York, N. Y. Cotton piece goods. 197,672; Apr. 21; Serial No. 203,716; published Feb. 3, 1925.

Brewer & Company, Inc., Worcester, Mass. Olive oil. 197,658; Apr. 21; Serial No. 200,424; published Feb. 3, 1925.

Briner-Null Coffee Company, Vincennes, Ind. Coffee. 197,607; Apr. 21; Serial No. 197,062; published Jan. 27, 1925.

British Celanese Limited, London, England. Hose, half hose, ladies' dresses, etc. 197,564; Apr. 21; Serial No. 204,084; published Dec. 16, 1924.

Brogdex Company, Winter Haven, Fla., and Los Angeles, Calif. Fruit treating and handling machinery. 197,576; Apr. 21; Serial No. 206,474; published Feb. 10, 1925.

Browning Hosiery Mills, doing business as Blue Mill Hosiery Manufacturing Company, Chattanooga, Tenn. Hosiery. 197,696; Apr. 21; Serial No. 205,684; published Feb. 3, 1925.

Buffalo Forge Company, Buffalo, N. Y. Cane mills. 197,622; Apr. 21; Serial No. 205,999; published Feb. 10, 1925.

Burk & Braun, Cottbus, Germany. Cocoa, chocolate, jams, confectionery, etc. 197,682; Apr. 21; Serial No. 197,655; published Feb. 3, 1925.

Burkhardt Company, Inc., The, Detroit, Mich. Imitation leather. 197,643; Apr. 21; Serial No. 204,155; published Jan. 27, 1925.

Burrell, D. H., & Co., Inc., Little Falls, N. Y. Churns, cow milkers, cream separators, etc. 197,788; Apr. 21.

Calico Printers' Association, Limited, The, Manchester, England. Cotton piece goods. 197,624; Apr. 21; Serial No. 206,110; published Feb. 3, 1925.
California Lubricating Co. (See Haney, Edwin H.)
Canton Forge & Axle Company, Canton, Ohio. Steel forgings, rail anchors, rail-anchor springs, etc. 197,761; Apr. 21; Serial No. 204,755; published Feb. 3, 1925.
Carbonell, R. A., Delgado, doing business as The West Indies Medicine Co., New York, N. Y. Medical preparation for painful menstruation, etc. 197,559; Apr. 21; Serial No. 204,306; published Jan. 27, 1925.
Cass & Rosenthal, New York, N. Y. Infants', children's, and juniors' coats. 197,796; Apr. 21.
Celluloid Company, The, Newark, N. J., and New York, N. Y. Chemical substance or mixture used in the arts and manufactures, etc. 197,509; Apr. 21; Serial No. 205,857; published Jan. 13, 1925.
Certain-teed Products Corporation, New York, N. Y. Land plaster. 197,494; Apr. 21; Serial No. 205,992; published Jan. 27, 1925.
Chlorine Products Company, The, Indianapolis, Ind. Medicine for colds, laryngitis, bronchitis, etc. 197,475; Apr. 21; Serial No. 205,393; published Jan. 27, 1925.
Christoffers, Bernhardt, New York, N. Y. Wheat flour. 197,787; Apr. 21.
City Exterminating Company. (See De Longe, Harry F.)
Cleanola Company, The, Alleghany, Pa. Preparation for cleaning, polishing, and preserving. 46,435; renewed Sept. 19, 1925.
Clermont Cravat Company, New York, N. Y. Neckties and cravats. 197,536; Apr. 21; Serial No. 192,961; published Jan. 27, 1925.
Coburn Trolley Track Manufacturing Company, The, Holyoke, Mass. Sliding-door hangers and overhead tracking. 197,782; Apr. 21.
Cohen, Simon, Hartford, Conn. Hosiery, underwear, and sweaters. 197,676; Apr. 21; Serial No. 195,947; published Feb. 3, 1925.
Collins Company, The, Collinsville, Conn. Axes, hatchets, adzes, machetes, etc. 197,702; Apr. 21; Serial No. 205,514; published Feb. 3, 1925.
Colloidal Sulphur Corporation, Dover, Del., and Baltimore, Md. Sulphur and sulphur products. 197,507; Apr. 21; Serial No. 205,861; published Jan. 27, 1925.
Commercial Selling Co. Inc., Brooklyn, N. Y. Sheet roofing containing asphalt. 197,747; Apr. 21; Serial No. 180,525; published Jan. 8, 1924.
Colton, Geo. S., Elastic Web Co., Easthampton, Mass. Narrow elastic webs. 197,649; Apr. 21; Serial No. 201,221; published Feb. 3, 1925.
Columbia Dental & X-Ray Corporation, New York, N. Y. Dental casts, forms, models of teeth, etc. 197,636; Apr. 21; Serial No. 203,370; published Feb. 10, 1925.
Columbus Handle & Tool Corporation, Columbus, Ind. Tools and tool handles. 197,808; Apr. 21.
Conklin, T. E., Brass & Copper Co., Inc., New York, N. Y. Rods, wire, sheets, and castings of nonferrous metals. 197,652; Apr. 21; Serial No. 200,711; published Feb. 3, 1925.
Consolidated Press Association, Washington, D. C. Newspaper articles. 197,703; Apr. 21; Serial No. 205,473; published Feb. 3, 1925.
Consolidated Safety Pin Company, Bloomfield, N. J. Safety pins. 46,234; renewed Sept. 12, 1925.
Constructive Publishing Corporation, New York, N. Y. Monthly magazine. 197,629; Apr. 21; Serial No. 206,278; published Feb. 3, 1925.
Cooky Cone Co. (See Schmidt, William H.)
Coon, Ermie D., doing business as Saegerstown Sausage Company, Saegerstown, Pa. Sausage. 197,788; Apr. 21.
Co-Operative Wholesale Society, Limited, Manchester, England. Woolen piece goods. 197,650; Apr. 21; Serial No. 201,124; published Feb. 3, 1925.
Cordova Shops, Inc., The, Buffalo, N. Y. Leather goods. 197,733; Apr. 21; Serial No. 206,606; published Feb. 3, 1925.
Cotter, R. E., Company, San Francisco, Calif. Canned fish and fruits. 197,777; Apr. 21.
Craiburn, Inc., New York, N. Y. Men's overcoats and raincoats, and coats for women and children. 197,716–17; Apr. 21; Serial Nos. 206,944–5; published Feb. 3, 1925.
Crystal Princess Manufacturing Co., Denver, Colo. Hairdressing. 197,561; Apr. 21; Serial No. 204,222; published Jan. 27, 1925.
Dalton & Balch, Inc., Chicago, Ill. Timing gears. 197,745; Apr. 21; Serial No. 183,557; published Feb. 10, 1925.
Dardignac, Joseph A. B., Lecloitre, France. Remedies for arteriosclerosis, etc. 197,502; Apr. 21; Serial No. 205,912; published Jan. 13, 1925.
Delgado Carbonell, R. A. (See Carbonell, R. A., Delgado.)
De Longe, Harry F., doing business as City Exterminating Company, Chicago, Ill. Roach, ant, and water bug exterminator. 197,608; Apr. 21; Serial No. 197,262; published Aug. 26, 1924.
Dengler & Moehring, Rochester, N. Y. Butter and eggs. 197,648; Apr. 21; Serial No. 201,742; published Jan. 27, 1925.
Des Moines Wholesale Grocer Co., Des Moines, Iowa. Canned fish and fruits, jams, coffee, tea, olives, chili sauce, etc. 197,673; Apr. 21; Serial No. 194,437; published Feb. 3, 1925.
D'Etreillis, Jeanne, doing business as Bonâ Soeurs, New York, N. Y. Robes, gowns, wraps, furs, etc. 197,786; Apr. 21.
De Witt, E. C., & Co. Inc., Chicago, Ill. Preparations for internal and external use, also shampoo, toilet cream, etc. 197,482; Apr. 21; Serial No. 204,898; published Feb. 3, 1925.
Dierckx, Christian J., New York, N. Y. Glassware. 197,731; Apr. 21; Serial No. 206,611; published Feb. 3, 1925.
Dirigold Corporation, The, Minneapolis, Minn. Door knobs and metal pipe fittings. 197,736; Apr. 21; Serial No. 192,964; published Feb. 3, 1925.
Ditto, Incorporated, Chicago, Ill. Duplicating machines. 197,480; Apr. 21; Serial No. 204,999; published Jan. 27, 1925.
Donald Company, The, Grand Island, Nebr. Hosiery. 197,712; Apr. 21; Serial No. 205,157; published Feb. 3, 1925.
Dooley, Frances J., Seattle, Wash. Salve for infections, burns, etc. 197,485; Apr. 21; Serial No. 206,346; published Feb. 3, 1925.
Douglis-Mack, Chas., Co., New York, N. Y. Men's, young men's, and boys' clothes. 197,570; Apr. 21; Serial No. 206,563; published Feb. 3, 1925.
Doxin Laboratories, The. (See Bielek Manufacturing Company.)
Dutch Maid Products. (See Eba, Earl M.)
Eagle Company, The, Baltimore, Md. Headache powders. 197,711; Apr. 21; Serial No. 205,269; published Feb. 3, 1925.
Eakle, Hasel H., doing business as Standard Remedy Company, Parkersburg, W. Va. Preparation for the treatment of goiter. 197,575; Apr. 21; Serial No. 206,480; published Feb. 3, 1925.
Eba, Earl M., doing business as Dutch Maid Products, Seattle, Wash. Lunches. 197,792; Apr. 21.
Elies, Edward C., Herrin, Ill. Hosiery and underwear. 197,641; Apr. 21; Serial No. 204,019; published Feb. 3, 1925.
Ellis, James H. S., doing business as Anticold Society, Chicago, Ill. Materials and apparatus for treating colds, etc., with chlorine gas. 197,615; Apr. 21; Serial No. 205,863; published Feb. 3, 1925.
Emerson Drug Company, Baltimore, Md. Granular effervescent salt. 46,450; renewed Sept. 19, 1925.
Empire Silk Company, Wilmington, Del., and New York, N. Y. Silk piece goods. 197,509; Apr. 21; Serial No. 206,890; published Feb. 10, 1925.
Enterprise Mfg. Co., Augusta, Ga. Sheetings and drillings. 46,313; renewed Sept. 12, 1925.
Epicurean Soy Sauce Factory, The. (See Matsuoka, Chokichi.)
Epstein, H. & L., Inc., St. Louis, Mo. Catalogues. 197,765; Apr. 21; Serial No. 204,956; published Feb. 3, 1925.
Esco Company. (See Stone, J. Boyd.)
Everick Manufacturing Co. Inc., New York, N. Y. Pillowcases, bedspreads, doilies, etc. 197,669; Apr. 21; Serial No. 203,114; published Feb. 3, 1925.
Excellantae Laboratories Inc., The, Denver, Colo. Face massage cream and skin cleanser. 197,474; Apr. 21; Serial No 205,403; published Jan. 13, 1925.
Fabbricotti, Carlo, e B. Fabbricotti e Figli, Carrara, Italy. Marble and stone. 197,679; Apr. 21; Serial No. 197,472; published Jan. 27, 1925.
Fairbanks, E. and F., and Company, St. Johnsbury, Vt. Weighing machines and parts thereof, and in particular weigh-beams. 197,805; Apr. 21.
Fairyland. (See Arlington, Kathryn.)
Farnum, John, Co., Philadelphia, Pa. Cotton piece goods. 197,766; Apr. 21; Serial No. 204,958; published Feb. 3, 1925.
Finery Silk Stocking Co., Inc., New York, N. Y. Stockings. 197,526; Apr. 21; Serial No. 204,021; published Jan. 27, 1925.
Fiorita, Anthony R., doing business as Old Yellow Label Dist. Co., Moberly, Mo. Whisky. 197,606; Apr. 21; Serial No. 194,344; published July 29, 1924.
Firestone Stucco Company, Cincinnati, Ohio. Building cement and stucco. 197,638; Apr. 21; Serial 203,564; published Jan. 27, 1925.
Fisher Flouring Mills Company, Seattle, Wash. Wheat flour and breakfast cereals. 197,681; Apr. 21; Serial No. 197,593; published Feb. 3, 1925.
Fleisher, H. T., Incorporated, Philadelphia, Pa. Hosiery. 197,539; Apr. 21; Serial No. 198,796; published Jan. 27, 1925.
Fleury Brothers, Glidden, Wis. Radiator compounds. 197,780; Apr. 21.
Flux Chemical Company, New York, N. Y. Soldering fluid. 197,566; Apr. 21; Serial No. 203,880; published Feb. 3, 1925.
Fordon's Boys' Shops, New York, N. Y. Boys' clothing. 197,523; Apr. 21; Serial No. 204,591; published Jan. 27, 1925.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 197,558; Apr. 21; Serial No. 204,598; published Feb. 3, 1925.

Fryer, Glenn D., doing business as Kolar Laboratories, Fort Wayne, Ind. Preparations for the treatment of goiter. 197,473; Apr. 21; Serial No. 206,406; published Jan. 13, 1925.
Fuel Vitaliser Co. (of California), Los Angeles and Glendale, Calif. Motor-fuel component. 197,520; Apr. 21; Serial No. 205,868; published Feb. 3, 1925.
Gedeon Richter Laboratories, Inc., New York, N. Y. Pharmaceutical preparation as an antiseptical mouth wash. 197,487; Apr. 21; Serial No. 206,237; published Jan. 13, 1925.
General Drug Company, New York, N. Y. Apparatus for medicinal treatment by chlorine uses. 197,763; Apr. 21; Serial No. 204,902; published Feb. 3, 1925.
Gidding & Co., Inc., Cincinnati, Ohio. Ladies' coats, wraps, and tailored dresses. 197,798; Apr. 21.
Ginter Company, The, Boston, Mass. Milk and cream. 197,690; Apr. 21; Serial No. 200,891; Feb. 3, 1925.
Glanacto Company. (See Lewis, Ezra V.)
Glens Falls Portland Cement Co., The, Glens Falls, N. Y. Portland Cement. 197,616; Apr. 21; Serial No. 205,870; published Jan. 27, 1925.
Good, Harry H., doing business as Dr. Tutt Mfg. Co., New York, N. Y. Liver pills. 197,484; Apr. 21; Serial No. 206,348; published Feb. 3, 1925.
Gould, Richard, Spokane, Wash. Concentrated hop sirup for food purposes. 197,758; Apr. 21. Serial No. 204,705; published Feb. 3, 1925.
Gray, Needmore, doing business as Tri-W Soap Works, Granville, Ohio. Vegetable soap preparation. 197,524; Apr. 21; Serial No. 204,315; published Feb. 3, 1925.
Greene, Tweed & Co., New York, N. Y. Packings for parts of machinery and mechanical devices. 197,614; Apr. 21; Serial No. 205,825; published Jan. 27, 1925.
Gripite Company, Chicago, Ill. Spring lubricants. 197,683; Apr. 21; Serial No. 197,932; published Nov. 25, 1924.
Guhl, August C., Chicago, Ill. Nut-cracking tool. 197,670; Apr. 21; Serial No. 203,567; published Jan. 27, 1925.
Hale, Alfred, Rubber Company, Atlantic, Quincy, Mass. Resilient leather, rubber, etc., soles. 197,529; Apr. 21; Serial No. 202,012; published Jan. 27, 1925.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, and dress, negligee, and work shirts. 197,719–21; Apr. 21; Serial Nos. 206,844–6; published Feb. 3, 1925.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, and dress, negligee, and work shirts. 197,722; Apr. 21; Serial No. 206,842; published Feb. 3, 1925.
Hall, Hartwell & Co. Inc., Troy, N. Y. Collars, and dress, negligee, and work shirts. 197,723–5; Apr. 21; Serial Nos. 206,838–40; published Feb. 3, 1925.
Hammond, G. H., Company, Chicago, Ill. Sausage. 197,810; Apr. 21.
Haney, Edwin H., doing business as California Lubricating Co., Inc., Phoenix, Ariz, assignor to California Lubricating Company, Madera, Calif. Lubricating systems for automobiles and autotrucks. 197,750; Apr. 21; Serial No. 176,463; published Feb. 3, 1925.
Harris Company, Inc., The, New York, N. Y. Cotton piece goods. 197,506; Apr. 21; Serial No. 205,872; published Feb. 3, 1925.
Hartshorn, Stewart Co., East Newark, N. J. Spring shade rollers and fittings. 46,050; renewed Sept. 5, 1925.
Hecker-Jones-Jewell Milling Company, New York, N. Y. Wheat flour. 197,596; Apr. 21; Serial No. 183,292; published Feb. 12, 1924.
Herrmann, A. S., Inc., New York, N. Y. Face cloths, bath mats, bedspreads, table linens, towels, sheets, pillowcases. 197,661; Apr. 21; Serial No. 201,402; published Feb. 3, 1925.
Hermann, Seymour M., New York, N. Y. Compound for graining and finishing leather. 197,519; Apr. 21; Serial No. 206,003; published Feb. 3, 1925.
Hermanos, Miranda, San Juan, P. R. Men's and boys' suits. 197,543; Apr. 21; Serial No. 202,518; published Jan. 27, 1925.
Hickson, Inc., New York, N. Y. Cosmetics. 197,565; Apr. 21. Serial No. 204,028; published Feb. 3, 1925.
Hoffer, Peter, New York, N. Y. Liquid treatment and relief for horses. 197,584–5; Apr. 21; Serial Nos. 206,355–6; published Feb. 3, 1925.
Hoffer, Peter, New York, N. Y. Paste treatment and relief for sore feet for horses. 197,586; Apr. 21; Serial No. 206,354; published Feb. 3, 1925.
Hoffman, S. L., doing business as S. L. Hoffman & Co., New York, N. Y. Dresses. 197,767; Apr. 21; Serial No. 204,965; published Feb. 3, 1925.
Holley, William G., doing business as The Huestis Pharmacal Company, Fort Wayne, Ind. Preparation for coughs, etc. 197,549; Apr. 21; Serial No. 204,858; published Jan. 20,1925.
Houghton, E. F., & Co., Philadelphia, Pa. Preparations for treating textile fabrics. 197,498; Apr. 21; Serial No. 206,070; published Jan. 13, 1925.
House, Alice, Sapulpa, Okla. Preparation for consumption. 197,739; Apr. 21; Serial No. 189,408; published Feb. 3, 1925.
Huestis Pharmacal Company, The. (See Holley, William G.)
Hummel-Ross Fibre Corporation, Hopewell, Va. Wrapping paper. 197,558; Apr. 21; Serial No. 197,877; published Nov. 11, 1924.
Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 197,665; Apr. 21; Serial No. 201,755; published Feb. 10, 1925.
Hunter Manufacturing & Commission Co., New York, N. Y. Cotton piece goods. 197,666; Apr. 21; Serial No. 201,753; published Feb. 10, 1925.
Hutchinson, J. L., doing business as Pacific Coast Drug Company, Seattle, Wash. Medicine for disorders of the stomach, etc. 197,671; Apr. 21; Serial No. 203,830; published Jan. 20, 1925.
Huthwaiker, John C., doing business as Pearl Pyrotechnical Co., Baltimore, Md. Powders which burn with colored flames for pyrotechnical purposes. 197,718; Apr. 21; Serial No. 206,900; published Feb. 3, 1925.
Hyman, Henry G., New York, N. Y. Men's outer suits and overcoats. 197,729; Apr. 21; Serial No. 206,785; published Feb. 3, 1925.
Ideal Films, Ltd., London, England. Motion-picture films. 197,528; Apr. 21; Serial No. 197,883; published Jan. 27, 1925.
Jacobs, E. H., Manufacturing Company, The, Danielson, Conn. Pick-arm straps for use in loom strapping. 197,807; Apr. 21.
Jacquet, Charles, Marseille, France. Soaps, shoe polish, and cleansing powders. 197,560; Apr. 21; Serial No. 204,234; published Feb. 3, 1925.
Johnson & Johnson, New Brunswick, N. J. Corn plasters. 197,517; Apr. 21; Serial No. 206,007; published Feb. 3, 1925.
Joy Chemical Co., Inc., Brooklyn, N. Y. Laxative. 197,662; Apr. 21; Serial No. 201,453; published Jan. 27, 1925.
Judd, Frank E., Spokane, Wash. Motor-fuel ingredient. 197,554; Apr. 21; Serial No. 204,710; published Jan. 20, 1925.
K. M. & S. Products Co., Buffalo, N. Y. Malt extracts. 197,660; Apr. 21; Serial No. 201,294; published Jan. 20, 1925.
Kales Stamping Company, Detroit, Mich. Mirrors for motor vehicles. 197,618; Apr. 21; Serial No. 205,761; published Jan. 27, 1925.
Kallman, M. Martin, New York, N. Y. Matches. 197,714; Apr. 21; Serial No. 207,020; published Feb. 3, 1925.
Karlin, Joseph, doing business as Karlin Laboratories, New York, N. Y. Capsules for the treatment of obesity. 197,518; Apr. 21; Serial No. 206,005; published Feb. 3, 1925.
Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung, Karlsruhe, Germany. Soap. 197,481; Apr. 21; Serial No. 204,966; published Feb. 3, 1925.
Karolith Corporation, Long Island City, N. Y. Casein plastic. 197,492; Apr. 21; Serial No. 206,073; published Jan. 13, 1925.
Katzenberger, Charles, Hoboken, N. J. Disinfecting candles. 197,592; Apr. 21; Serial No. 206,170; published Jan. 13, 1925.
Kaufman, Joseph B., doing business as J. B. Kaufman Co., Brooklyn, N. Y. Embroidery thread. 197,574; Apr. 21; Serial No. 206,484; published Feb. 3, 1925.
Keen Kola Manufacturing Co., Dallas, Tex. Beverage. 197,802; Apr. 21.
Kerr, Elisabeth W., Hollywood, Calif. Eye lotion. 197,490; Apr. 21; Serial No. 206,120; published Jan. 13, 1925.
Keyes, Frank B., Los Angeles, Calif. Pie-juice savers. 197,635; Apr. 21; Serial No. 203,276; published Feb. 10, 1925.
Knight, Edward B., doing business as E. Ben Knight, Penn Yan, N. Y. Salves and oils for cuts, burns, etc. 197,593; Apr. 21; Serial No. 171,579; published Aug. 26, 1924.
Kilpile Company, The. (See Marz, Chris.)
Kinney-Rome Company, Chicago, Ill. Bed springs and like structures for beds. 197,742; Apr. 21; Serial No. 188,016; published Feb. 3, 1925.
Kjellander, Arvid N., Norwalk, Conn. Liniments. 197,552; Apr. 21; Serial No. 204,826; published Jan. 13, 1925.
Kolar Laboratories. (See Fryer, Glenn D.)
Kolide Laboratories, Inc., New York, N. Y. Iodine-colloid preparation. 197,471; Apr. 21; Serial No. 205,484; published Jan. 13, 1925.
Kurts, H. R., & Co. Inc., New York, N. Y. Cotton and silk and cotton fabrics. 197,466; Apr. 21; Serial No. 205,607; published Feb. 3, 1925.
La Flamme Company, Detroit, Mich. Rouge, face powder and cream. 197,488; Apr. 21; Serial No. 206,245; published Jan. 13, 1925.
Laing, Harrar & Chamberlin, doing business as Roamer Rubber Co., Philadelphia, Pa. Soles and half soles made of rubber and fabric. 197,625; Apr. 21; Serial No. 206,244; published Feb. 3, 1925.
Landgren & Co., Incor., New York, N. Y. Matches. 197,677; Apr. 21; Serial No. 196,961; published Feb. 3, 1925.
Lane, J. H., & Company, New York, N. Y. Fabrics. 197,557; Apr. 21; Serial No. 204,558; published Feb. 3, 1925.
Lansburgh & Bro., Inc., Washington, D. C. Household furniture. 197,751; Apr. 21; Serial No. 173,897; published Feb. 3, 1925.

Lewis, Ezra V., doing business as Glanacto Company, Fort Worth, Tex. Chemical composition for weakness, nervousness, etc. 197,491; Apr. 21; Serial No. 206,076; published Jan. 13, 1925.

Liberty & Co. Limited, London, England. Cotton crêpe. 197,589; Apr. 21; Serial No. 200,001; published Feb. 3, 1925.

Lido Hosiery Shops, Inc., New York, N. Y. Hosiery. 197,588; Apr. 21; Serial No. 206,518; published Feb. 3, 1925.

Lionel Trading Co. Inc., New York, N. Y. Perfume. 197,598; Apr. 21; Serial No. 187,752; published Jan. 13, 1925.

Littell, C. S., & Co., Inc., New York, N. Y. Epsom salt, boracic acid, bay rum, etc. 197,504; Apr. 21; Serial No. 205,883; published Jan. 27, 1925.

Littell, C. S., & Co. Inc., New York, N. Y. Headache pills. 197,505; Apr. 21; Serial No. 205,882; published Jan. 13, 1925.

Little, A. E., & Company, assignors to A. E. Little Company, Lynn, Mass. Dressing for leather, boots, shoes, harnesses, rubber and cloth. 45,609; renewed Aug. 22, 1925.

Lombardo, Joseph, doing business as L. Lombardo & Sons, Newark, N. J. Shoes. 197,573; Apr. 21; Serial No. 206,486; published Feb. 3, 1925.

Loose-Wiles Biscuit Company, Kansas City, Mo. Sugar wafers. 197,674; Apr. 21; Serial No. 194,552; published Feb. 3, 1925.

Lowenbaum, B., Manufacturing Company, St. Louis, Mo. Women's and misses' underwear. 197,705; Apr. 21; Serial No. 205,426; published Feb. 3, 1925.

Luitpold-Werk Chemische-Pharmaceutische Fabrik, Munich, Germany. Liquid for the treatment of arthritis. 197,499; Apr. 21; Serial No. 205,933; published Jan. 20, 1925.

Luitpold-Werk Chemische-Pharmaceutische Fabrik, Munich, Germany. Liquid for the treatment of arteriosclerosis. 197,500; Apr. 21; Serial No. 205,937; published Jan. 20, 1925.

Luitpold-Werk Chemische-Pharmaceutische Fabrik, Munich, Germany. Powder for the therapy of gynecological hemorrhages. 197,501; Apr. 21; Serial No. 205,931; published Jan. 20, 1925.

Mackernan, James J., doing business as Renata Supply Company, Boston, Mass. Abdominal belts, trusses, etc. 197,675; Apr. 21; Serial No. 195,018; published Feb. 10, 1925.

Macy, R. H., & Co., Inc., New York, N. Y. Kitchen and laundry soaps. 197,769; Apr. 21; Serial No. 205,075; published Feb. 3, 1925.

Marceau, J. A., Inc., New York, N. Y. Face powders, creams, and packs, etc. 197,498; Apr. 21; Serial No. 205,935; published Jan. 13, 1925.

Marx, Chris, doing business as The Kilpile Company, Detroit, Mich. Pills or tablets. 197,497; Apr. 21; Serial No. 205,936; published Jan. 13, 1925.

Mas and Georgas, Washington, D. C. Preparation for the treatment of burns. 197,645; Apr. 21; Serial No. 202,454; published Feb. 3, 1925.

Matsuoka, Chokichi, doing business as The Epicurean Soy Sauce Factory, Los Angeles, Calif. Soy Sauce. 197,708; Apr. 21; Serial No. 205,343; published Feb. 3, 1925.

Mattison Machine Works, Rockford, Ill. Bimonthly magazine. 197,617; Apr. 21; Serial No. 205,938; published Feb. 3, 1925.

McPherson, Charles, Montreal, Quebec, Canada. Friction driving and holding mechanisms. 197,525; Apr. 21; Serial No. 204,106; published Jan. 27, 1925.

Merck, E., Darmstadt, Germany. Antigen ointment for treatment of tuberculosis. 197,568; Apr. 21; Serial No. 203,831; published Jan. 20, 1925.

Mevi, George G., New York, N. Y. Automatic stamping machine. 197,609; Apr. 21; Serial No. 198,815; published Dec. 2, 1924.

Mihalovitch Co., The, assignor to The Milson Company, Cincinnati, Ohio. Beauty cream, perfume, talcum powder, etc. 197,734; Apr. 21; Serial No. 193,610; published Feb. 3, 1925.

Mill & Mine Supply Company, Seattle, Wash. Choker and bull hooks, and ferrules. 197,803; Apr. 21.

Miller's, Jacob, Sons Co., Philadelphia, Pa. Collars, neckbands for shirts, and negligee shirts. 197,618; Apr. 21; Serial No. 205,940; published Feb. 3, 1925.

Milson Company, The. (See Mihalovitch Co., The, assignor.)

Model Brassiere Co. Inc., New York, N. Y. Garment for women to be worn as a figure-reducing garment, etc. 197,542; Apr. 21; Serial No. 201,260; published Jan. 27, 1925.

Modern Trunk Company, Fall River, Mass. Trunks. 197,794; Apr. 21.

Monarch Soap Co. (See Pennsylvania Soap Company of Lancaster, Pa.)

Moorman Mfg. Co., Quincy, Ill. Prepared stock feed. 197,691; Apr. 21; Serial No. 200,404; published Feb. 3, 1925.

Morgan, John C., Company, Traverse City, Mich. Canned fruits. 197,809; Apr. 21.

Muther & Cie., Schupfheim, Switzerland. Cheese. 197,640; Apr. 21; Serial No. 203,740; published Feb. 3, 1925.

Myers, H. M., Company, The, assignor to Ames Shovel & Tool Company, Beaver Falls, Pa. Shovels. 46,062; renewed Sept. 5, 1925.

Nestor Manufacturing Co., Inc. New York, N. Y. Machines and tools. 197,595; Apr. 21; Serial No. 182,479; published Jan. 27, 1925.

Neustadtl, Victor, New York, N. Y. Hops. 197,547–8; Apr. 21; Serial Nos. 203,741–2; published Dec. 23, 1924.

New York Quinine and Chemical Works, Inc., The, New York, N. Y. Synthetic menthol. 197,516; Apr. 21; Serial No. 206,123; published Feb. 3, 1925.

News Syndicate Co. Inc., assignor to Pacific & Atlantic Photos, Inc., New York, N. Y. Photographs. 197,511; Apr. 21; Serial No. 206,586; published Feb. 3, 1925.

News Syndicate Co. Inc., assignor to Pacific & Atlantic Photos, Inc., New York, N. Y. Photographs. 197,569; Apr. 21; Serial No. 206,587; published Feb. 3, 1925.

Nicholson, Louis G., doing business as The Releasall Company, Montreal, Canada. Rust solvent and penetrating oil. 197,653; Apr. 21; Serial No. 199,848; published Jan. 13, 1925.

Norristown Hosiery Mills, Lansdale, Pa. Periodical publication. 197,687; Apr. 21; Serial No. 199,180; published Jan. 20, 1925.

Nucoa Butter Company, The, assignor to The Best Foods, Inc., Belleville, N. J. Vegetable butter. 46,067; renewed Sept. 5, 1925.

Od Chem. Company, New York, N. Y. Remedies. 45,923; renewed Aug. 29, 1925.

Ohio Cultivator Company, The. (See Sechler, D. M., Carriage Company, assignor.)

Ohio Medical Products Co., The, Columbus, Ohio. Astringent and antiseptic solution. 197,583; Apr. 21; Serial No. 206,364; published Feb. 3, 1925.

Old Grand-Dad Dist'y. Co., Louisville, Ky. Whisky. 45,508; renewed Aug. 8, 1925.

Old Yellow Label Dist. Co. (See Fiorita, Anthony R.)

Oppenheim-McEwan Co., Inc., Albany, N. Y. Canned shrimp, rolled oats, cocoa, etc. 197,638; Apr. 21; Serial No. 202,886; published Feb. 3, 1925.

Owl Drug Company, The, San Francisco, Calif. Bronzing liquid, raw linseed oil, and spirits of turpentine. 197,651; Apr. 21; Serial No. 201,098; published Feb. 3, 1925.

P & M Company, The, Chicago, Ill. Rail anchors or anticreepers. 197,774–5; Apr. 21.

Pacific & Atlantic Photos, Inc. (See News Syndicate Co., Inc., assignor.)

Pacific Coast Drug Company. (See Hutchinson, J. L.)

Palls, Fred W., jr., doing business as Palls-Boren Manufacturing Company, Kansas City, Mo. Preparation to exterminate insects or pests on poultry and animals. 197,655; Apr. 21; Serial No. 200,153; published Jan. 27, 1925.

Palls, Fred W., jr., doing business as Palls-Boren Manufacturing Company, Kansas City, Mo. Preparation for the treatment of diseases in poultry. 197,657; Apr. 21; Serial No. 200,154; published Jan. 27, 1925.

Panitz, Isidor, doing business as Yale Underwear Co., Baltimore, Md. Mens', boys', girls' textile athletic union suits, shirts, and drawers, etc., children's sleepers and pyjamas. 197,706; Apr. 21; Serial No. 205,884; published Feb. 3, 1925.

Parker, Stone & Baird Co., Los Angeles, Calif. Bond paper. 197,811; Apr. 21.

Pearl Pyrotechnical Co. (See Huthwelker, John C.)

Peerless Sweater Mills, Inc., New York, N. Y. Knitted dresses, sweaters, and suits. 197,688; Apr. 21; Serial No. 199,645; published Feb. 3, 1925.

Penn Paste Milling Company, Wilkes-Barre, Pa. Dry pastes. 197,748; Apr. 21; Serial No. 176,690; published Apr. 10, 1928.

Penn Paste Milling Company, Wilkes-Barre, Pa. Wall sizes. 197,749; Apr. 21; Serial No. 176,689; published Apr. 10, 1928.

Pennsylvania Soap Company of Lancaster, Pa., doing business as Monarch Soap Co., Lancaster, Pa. Soaps. 197,558; Apr. 21; Serial No. 204,371; published Feb. 3, 1925.

Pennsylvania Working Home for Blind Men, Philadelphia, Pa., Rugs. 197,503; Apr. 21; Serial No. 205,887; published Feb. 3, 1925.

Perry Photo Novelty Corporation, New York, N. Y. Photographs and pictures. 197,764; Apr. 21; Serial No. 204,930; published Feb. 3, 1925.

Peters Cartridge Company, The, Cincinnati, Ohio. Shotgun shells and wads. 197,695; Apr. 21; Serial No. 205,708; published Feb. 3, 1925.

Philadelphia Tapestry Mills, Philadelphia, Pa. Cotton plushes in the piece. 197,790; Apr. 21.

Phillips, Charles H., Chemical Co., The, Glenbrook, Conn., and New York, N. Y. Dentifrices. 197,488; Apr. 21; Serial No. 206,185; published Jan. 27, 1925.

Phos A.-G., Zurich, Switzerland. Ignition pellets used with gripping devices for same. 197,647; Apr. 21; Serial No. 201,856; published Feb. 3, 1925.

Power Oil & Gas Company, Spokane, Wash. Motor-fuel ingredient. 197,470; Apr. 21; Serial No. 205,490; published Jan. 13, 1925.

Prescott, J. L., Company, New York, N. Y. Stove enamel. 197,654; Apr. 21; Serial No. 199,803; published Feb. 3, 1925.

Prescott, J. L., Company, New York, N. Y. Laundry blue. 197,656; Apr. 21; Serial No. 199,790; published Jan. 27, 1925.

Preservaline Manufacturing Company, The, Brooklyn, N. Y. Coloring for butter and other foods. 197,801; Apr. 21.

Pressman-Gutman Silk Co., Philadelphia, Pa. Silk piece goods. 197,532; Apr. 21; Serial No. 180,492; published Feb. 3, 1925.

Prosnit, Chas., New York, N. Y. Neckties. 197,757; Apr. 21; Serial No. 204,670; published Feb. 3, 1925.

Pynolene Remedy Company, The, Oklahoma City, Okla. Ointment for treating croup, coughs, etc. 197,514; Apr. 21; Serial No. 206,256; published Feb. 3, 1925.

Radio Master Corporation of America. (See Schiff, Henry T.)

Rayart Pictures Corporation, New York, N. Y. Moving pictures. 197,467; Apr. 21; Serial No. 205,550; published Feb. 3, 1925.

Red Wing Mfg. Co. (See Sanders, Beulah.)

Redlands Heights Groves, Inc., Redlands, Calif. Fresh citrous fruits. 197,728; Apr. 21; Serial No. 206,803; published Feb. 3, 1925.

Reeves, Mary J., doing business as M. J. Reeves & Co., Chicago, Ill. Pastry flour. 197,755; Apr. 21; Serial No. 204,474; published Feb. 3, 1925.

Regenstein-Veeder Company, Chicago, Ill. Paper products. 197,754; Apr. 21; Serial No. 204,328; published Jan. 27, 1925.

Releasall Company, The. (See Nicholson, Louis G.)

Remien & Kuhnert Co., Chicago, Ill. Paints and varnishes. 197,806; Apr. 21.

Remillet Co., The, New York, N. Y. Face powders and rouges. 197,713; Apr. 21; Serial No. 207,099; published Feb. 3, 1925.

Remmers-Graham Company, The, Cincinnati, Ohio. Soap. 197,804; Apr. 21.

Renata Supply Company. (See Mackernan, James J.)

Rice Coal Company, The, Dayton, Ohio. Coal. 197,591; Apr. 21; Serial No. 201,263; published Dec. 2, 1924.

Rice, Henry C., Fremont, Ohio. Pomade for the skin. 26,287; renewed Mar. 26, 1925.

Rick Knitting Co., Reading, Pa. Hosiery. 197,537; Apr. 21; Serial No. 195,911; published Jan. 27, 1925.

Roamer Rubber Co. (See Laing, Harrar & Chamberlin.)

Robinson-Hallum Manufacturing Company, Minneapolis, Minn. Baby and doll carriages. 197,544; Apr. 21; Serial No. 203,204; published Jan. 20, 1925.

Russell Grader Manufacturing Company, Minneapolis, Minn. Road-grading machines. 197,752; Apr. 21; Serial No. 169,085; published Feb. 6, 1923.

Rust Craft Pub. Inc., Boston, Mass. Greeting cards. 197,625; Apr. 21; Serial No. 206,192; published Feb. 3, 1925.

Sacmia Products Co., Los Angeles, Calif. Skin lotions. 197,563; Apr. 21; Serial No. 204,190; published Jan. 13, 1925.

Saegerstown Sausage Company. (See Coon, Ermie D.)

Salant & Salant, Inc., New York, N. Y. Work shirts. 197,512; Apr. 21; Serial No. 206,436; published Jan. 27, 1925.

Sanders, Beulah, doing business as Red Wing Mfg. Co., Cincinnati, Ohio. Hair grower, temple salve, and pressing oil. 197,791; Apr. 21.

Saranac Glove Company, Littleton, N. H. Leather mittens and gloves. 197,626; Apr. 21; Serial No. 206,193; published Feb. 3, 1925.

Schiff, Henry T., Bay City, Mich., assignor to Radio-Master Corporation of America. Radio receiving sets. 197,737; Apr. 21; Serial No. 190,273; published Apr. 8, 1924.

Schmid, Julius, Inc., New York, N. Y. Thermometer cases. 197,732; Apr. 21; Serial No. 206,642; published Feb. 10, 1925.

Schmidt, William H., doing business as Cooky Cone Co., Milwaukee, Wis. Ice-cream cones. 197,778; Apr. 21.

Scholl Manufacturing Company, Inc., Chicago, Ill. Arch supports and parts thereof, toe separators and straighteners, etc. 197,623; Apr. 21; Serial No. 206,091; published Feb. 3, 1925.

Schonbrunn, S. Alexander, doing business as S. A. Schonbrunn & Company, New York, N. Y. Cocoa, coffee, tea, and rice. 197,603; Apr. 21; Serial No. 192,093; published Feb. 3, 1925.

Schopper, Louis, Leipsig, Germany. Scientific paper testers. 197,727; Apr. 21; Serial No. 206,806; published Feb. 10, 1925.

Schulze, Paul, Biscuit Co., Chicago, Ill. Cookies, cakes, and wafers. 197,699–701; Apr. 21; Serial Nos. 206,555–7; published Jan. 20, 1925.

Schwarz & Son, Newark, N. J. Candy. 197,597; Apr. 21; Serial No. 187,442; published Feb. 3, 1925.

Scowcroft, John, & Sons Co., Ogden, Utah. Children's play suits. 197,707; Apr. 21; Serial No. 205,386; published Feb. 3, 1925.

Scranton Glass Instrument Company, Scranton, Pa. Syringe hydrometers. 197,553; Apr. 21; Serial No. 204,790; published Jan. 27, 1925.

Seattle Tent & Awning Co., Seattle, Wash. Tents, hatch covers, and covering sheets. 197,741; Apr. 21; Serial No. 188,065; published Jan. 27, 1925.

Sechler, D. M., Carriage Company, assignor to The Ohio Cultivator Company, Moline, Ill. Corn planters and drills. 46,021; renewed Sept. 5, 1925.

Sexton, John, and Company, Chicago, Ill. Laundry and toilet soaps and soap chips. 197,599; Apr. 21; Serial No. 187,774; published Feb. 3, 1925.

Sexton, John, and Company, Chicago, Ill. Coffee, tea, shredded coconut, dried fruits, etc. 197,743; Apr. 21; Serial No. 187,776; published Feb. 3, 1925.

Shoninger, Sol H., doing business as The Solvos Company, Chicago, Ill. Mixed cotton and rubber cloth. 197,678; Apr. 21; Serial No. 197,454; published Jan. 27, 1925.

Shreve & Adams, Inc., New York, N. Y. Hosiery. 197,770; Apr. 21; Serial No. 205,091; published Feb. 3, 1925.

Simonds Saw and Steel Company, Fitchburg, Mass. Machine knives. 197,551; Apr. 21; Serial No. 204,838; published Jan. 27, 1925.

Skinner Irrigation Company, The, Troy, Ohio. Lawn sprinklers. 197,627; Apr. 21; Serial No. 206,197; published Feb. 3, 1925.

Smith, Lourania N., doing business as Strong's Laboratories, Liberty, Mo. Preparation for the treatment of pyorrhea, etc. 197,473; Apr. 21; Serial No. 204,872; published Jan. 13, 1925.

Smith Separator Company, Tulsa, Okla. Oil and gas separators. 197,762; Apr. 21; Serial No. 204,792; published Feb. 3, 1925.

Solvos Company, The. (See Shoninger, Sol H.)

Sorgel Electric Company, Milwaukee, Wis. X-ray shoefitting machines. 197,781; Apr. 21.

Southern Endless Belt Co., Petersburg, Va. Cigarette belts. 197,590; Apr. 21; Serial No. 205,299; published Feb. 3, 1925.

Sowrite, Inc., New York, N. Y. Glass tube. 197,715; Apr. 21; Serial No. 206,980; published Feb. 3, 1925.

Stago Co. Inc., Grand Ledge, Mich. Gas-engine primers. 197,478; Apr. 21; Serial No. 206,372; published Jan. 27, 1925.

Standard Remedy Company. (See Eakle, Hazel H.)

Stehli Silks Corporation, New York, N. Y. Silk piece goods. 197,477; Apr. 21; Serial No. 205,374; published Feb. 3, 1925.

Stein, A., & Company, Chicago, Ill. Garters. 197,644; Apr. 21; Serial No. 204,207; published Feb. 3, 1925.

Stein, S., & Co., New York, N. Y. Woolen goods. 197,611; Apr. 21; Serial No. 199,581; published Feb. 3, 1925.

Stephenson Chemical Co., Inc., Chicago, Ill. Solvents for cleaning drain or waste pipes, refrigerator drains, toilet bowls, etc. 197,667; Apr. 21; Serial No. 202,383; published Jan. 13, 1925.

Stern, J., & Sons, Inc., Quincy, Ill. Men's and boys' suits and overcoats. 197,799; Apr. 21.

Stevens, Chas. A., & Bros., Chicago, Ill. Furs, skirts, coats, suits, etc. 197,746; Apr. 21; Serial No. 182,445; published Feb. 3, 1925.

Stone, J. Boyd, doing business as Esco Company, St. Louis, Mo. Insecticides. 197,581; Apr. 21; Serial No. 206,442; published Feb. 3, 1925.

Straus, Nathan, & Sons, Inc., New York, N. Y. Crockery, china, and pottery. 197,685; Apr. 21; Serial No. 198,971; published Feb. 3, 1925.

Strong's Laboratories. (See Smith, Lourania N.)

Sullivan, Frank P., assignor to Sullivan and Schaffhauser, New York, N. Y. Solution to be applied to vehicle wind shields. 197,602; Apr. 21; Serial No. 191,727; published Feb. 3, 1925.

Sunbeam Chemical Company, Chicago, Ill. Combined dye and polish for leather. 197,698; Apr. 21; Serial No. 205,570; published Feb. 3, 1925.

Supex Limited, London, England. Tea, coffee, spices, cholocate, and sweetmeats. 197,756; Apr. 21; Serial No. 204,639; published Feb. 3, 1925.

Swanson, J., Seneca Falls, N. Y. Welding compound. 197,515; Apr. 21; Serial No. 206,136; published Feb. 3, 1925.

Tarr, Walter M. P., New York, N. Y. Garment hangers. 197,789; Apr. 21.

Thompson, Henry C., Hartford, Conn. Valve-grinding compounds. 197,521; Apr. 21; Serial No. 205,249; published Feb. 3, 1925.

Thompson, Henry C., Hartford, Conn. Cleaners comprising solvents, including tar removers and dry cleaners. 197,522; Apr. 21; Serial No. 205,244; published Feb. 3, 1925.

Thorone Corporation, The, New York, N. Y. Tonic. 197,759; Apr. 21; Serial No. 204,730; published Feb. 3, 1925.

Tide Water Oil Company, Bayonne, N. J. Lubricating oils, gasoline, etc. 197,753; Apr. 21; Serial No. 152,402; published Apr. 21, 1925.

Trans-Pacific Sales Company, New York, N. Y. Hair nets. 197,531; Apr. 21; Serial No. 157,189; published Feb. 3, 1925.

Tri-W Soap Works. (See Gray, Needmore.)

Triple Metals Corporation, Chicago, Ill. Locks. 197,797; Apr. 21.

Triplewear Corporation, Chicago, Ill. Men's suits, coats, vests, etc. 197,637; Apr. 21; Serial No. 208,492; published Feb. 3, 1925.

Tru-Blu Biscuit Company, Spokane, Wash. Biscuits and crackers. 197,464; Apr. 21; Serial No. 205,842; published Jan. 20, 1925.

Tubbs Medicine Co., River Falls, Wis. Laxative medicine, styptic, liniment, and cough sirup. 197,472; Apr. 21; Serial No. 205,455; published Jan. 13, 1925.
Tutt, Dr., Mfg. Co. (See Good, Harry H.)
Twohey, Julia E., Boston, Mass. Sandwich butter. 197,610; Apr. 21; Serial No. 197,460; published Feb. 3, 1925.

Union Power Company, Inc., Shreveport, La. Carbon black. 197,572; Apr. 21; Serial No. 206,500; published Feb. 10, 1925.
United Railway Equipment Co., Chicago, Ill. Drop brake shafts, geared brakes, etc. 197,646; Apr. 21; Serial No. 201,866; published Jan. 27, 1925.
Union Starch & Refining Company, Columbus, Ind. Corn sirup. 197,527; Apr. 21; Serial No. 203,917; published Jan. 27, 1925.
United States Asphalt Refining Company, The, New York, N. Y. Paving materials of asphalt. 197,589; Apr. 21; Serial No. 206,384; published Feb. 3, 1925.
United Drug Company, Boston, Mass. Rubber nursing nipples. 197,772; Apr. 21; Serial No. 205,143; published Feb. 3, 1925.
U. S. Industrial Chemical Co., Baltimore, Md. Solvents in solvent mixtures including alcohol or ethyl acetate, etc. 197,735; Apr. 21; Serial No. 193,433; published Feb. 3, 1925.
Universal Art Stitch Machine Limited, Belfast, Ireland. Sewing machines. 197,726; Apr. 21; Serial No. 206,812; published Feb. 10, 1925.
Utah Canning Company, The, Ogden, Utah. Canned tomatoes. 197,604; Apr. 21; Serial No. 192,868; published Jan. 27, 1925.
Vernart Manufacturing Corporation, New York, N. Y. Aprons, bibs, fabric ribbons, and scarfs and bathing caps. 197,571; Apr. 21; Serial No. 206,501; published Feb. 3, 1925.
Verona Tool Works, Pittsburgh, Pa. Railway-track jacks and jacks for general lifting purposes. 197,704; Apr. 21; Serial No. 205,456; published Feb. 10, 1925.
Vitamine Gum Co., Chicago, Ill. Chewing gum. 197,776; Apr. 21.
Vivaudou, V., Inc., New York, N. Y. Face powders and rouges. 197,513; Apr. 21; Serial No. 206,263; published Feb. 3, 1925.
Wade, Ben, Leeds, England. Tobacco pipes, cigar and cigarette holders. 197,680; Apr. 21; Serial No. 197,571; published Feb. 3, 1925.
Wagner, Martin Company, East Brooklyn, Md. Canned foods. 197,795; Apr. 21.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Athletic and sports clothing. 197,578–9; Apr. 21; Serial Nos. 206,464–5; published Feb. 3, 1925.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Athletic and sports clothing. 197,580; Apr. 21; Serial No. 206,462; published Feb. 3, 1925.
Warden, Herbert C., Los Angeles, Calif. Astringent, bleaching, and cleansing crèmes, face powder, hair tonic, etc. 197,582; Apr. 21; Serial No. 204,211; published Jan. 13, 1925.
Warner Brothers Company, The, Bridgeport, Conn. Women's underwear and night apparel. 197,535; Apr. 21; Serial No. 189,993; published Jan. 27, 1925.
Watkins, Richard M., doing business as Watkins Hosiery Mills, Chattanooga, Tenn. Ladies' hosiery. 197,642; Apr. 21; Serial No. 204,074; published Feb. 3, 1925.
West Indies Medicine Co., The. (See Carbonell, R. A. Delgado.)
West-Nelson Mfg. Co., Little Rock, Ark. Working clothes. 197,476; Apr. 21; Serial No. 205,879; published Jan. 27, 1925.
Wheeling Corrugating Company, Wheeling, W. Va. Stovepipe. 197,784; Apr. 21; Serial No. 167,499; published Feb. 3, 1925.
Whiting Paper Company, Holyoke, Mass. Ledger, bond, linen, bristol board and writing paper. 46,171; renewed Sept. 5, 1925.
Whiting Paper Company, Holyoke, Mass. Ledger, bond, linen, bristol board, and writing paper. 46,440; renewed Sept. 19, 1925.
Whitney, T. D., Company, Boston, Mass. Table linen, tablecloths, towels, sheets, etc. 197,465; Apr. 21; Serial No. 205,720; published Feb. 3, 1925.
Whitney, T. D., Company, Boston, Mass. Crochet cottons, skein linen, etc. 197,693; Apr. 21; Serial No. 206,722; published Feb. 3, 1925.
Whitney, T. D., Company, Boston, Mass. Lamp shades. 197,694; Apr. 21; Serial No. 205,721; published Jan. 27, 1925.
Wigzin's, H. B., Sons Co., Bloomfield, N. J. Cotton and jute wall-covering fabrics. 197,664; Apr. 21; Serial No. 201,729; published Feb. 3, 1925.
Williams, R. C., & Co., assignor to R. C. Williams & Company, Inc., New York, N. Y. Canned fruits and vegetables. 46,246; renewed Sept. 12, 1925.
Witt, Abram R., doing business as Witt Pharmacal Co., New York, N. Y. Nasal cream. 197,469; Apr. 21; Serial No. 205,503; published Jan. 27, 1925.
Wolf, Frank, Brooklyn, N. Y. Perfumes. 197,684; Apr. 21; Serial No. 198,924; published Jan. 27, 1925.
Woodward-Wanger Company, Philadelphia, Pa. Bathroom fixtures. 197,609; Apr. 21; Serial No. 189,179; published Jan. 27, 1925.
Woolworth Chemical Company, Lititz, Pa. Chemical compound to remove tarnishing impurities, such as sulphides, from the air. 197,567; Apr. 21; Serial No. 203,859; published Jan. 20, 1925.
Wright, A. E., Company, Chicago, Ill. Mayonnaise. 197,619; Apr. 21; Serial No. 205,971; published Feb. 3, 1925.
Wright Machine Company, Inc., The, Owensboro, Ky. Internal-combustion engines, coal chutes, dies, etc. 197,530; Apr. 21; Serial No. 201,476; published Feb. 3, 1925.
Wright, Paul G., San Francisco, Calif. Hiking and riding breeches. 197,534; Apr. 21; Serial No. 188,730; published Jan. 27, 1925.
Yale Underwear Co. (See Panits, Isidor.)
Youma (England) Ltd., London, England. Wheat flour, bread, and cakes. 197,634; Apr. 21; Serial No. 203,065; published Jan. 13, 1925.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abney-Barnes Company, Charleston, W. Va. Men's work shirts. 210,029; Apr. 21.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet paper. 200,078–9; Apr. 21.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet paper. 200,081–2; Apr. 21.
All Specialties Drug Company, The. (See Kessler, Arden P.)
Allen-Bradley Company, Milwaukee, Wis. Electrical switches. 197,126; Apr. 21.
Alta Orchards. (See Nofsinger, Asher H.)
Altshuler, Samuel, San Francisco, Calif. Candy. 204,386; Apr. 21.
American Booster Company, The, Detroit, Mich. Hair tonic. 210,698; Apr. 21.
American Kloro Products Co., Oakland, Calif. Bleaching fluid. 210,780; Apr. 21.
American Stainless Steel Company, Pittsburgh, Pa. Kitchen and table knives, forks, and spoons, scissors, etc. 211,645; Apr. 21.
Ansted & Burke Co., The, Springfield, Ohio. Wheat flour. 198,442; Apr. 21.
Apollo Products. (See Kordick, Adolph C.)
Aronson, Louis, doing business as United Aniline Company, Boston, Mass. Dyes and dyestuffs. 208,948; Apr. 21.
Art Wire and Stamping Company, Arlington, N. J. Cuff buttons. 191,250; Apr. 21.
Aunt Jemima Mills Company, St. Joseph, Mo. Self-rising flour. 210,156; Apr. 21.
Automatic Electrical Devices Company, The, Cincinnati, Ohio. Electrical rectifiers. 192,168; Apr. 21.
Autotype Company Limited, The, London, England. Sensitised photographic paper. 201,690; Apr. 21.
Baltimore Butterine Company, The, Baltimore, Md. Oleomargarine. 208,499; Apr. 21.
Barnard Stamp Company, St. Louis, Mo. Rubber stamps, freight-marking-type holders, etc. 203,783; Apr. 21.
Bay State Milling Company, Winona, Minn. Wheat flour. 210,033; Apr. 21.
Bennett Day Importing Company, Inc., New York, N. Y. Nuts in their natural state, beans, peas, and figs in a dried state. 208,893; Apr. 21.
Benz & Cie. Rheinische Automobil- u. Motoren Fabrik Aktiengesellschaft, Mannheim, Germany. Motors—namely, internal combustion and explosion engines, heat engines, etc. 174,995; Apr. 21.
Bertrams Limited, Edinburgh, Scotland. Lubricating rings for ring-lubricated bearings. 207,338; Apr. 21.
Bewley Mills, The, Fort Worth, Tex. Poultry feed. 209,894; Apr. 21.
Birkett Mills, The, Penn Yan, N. Y. Buckwheat flour. 207,339; Apr. 21.
Blatchford Calf Meal Company, Waukegan, Ill. Cattle feed. 206,716; Apr. 21.
Blatchford Calf Meal Company, Waukegan, Ill. Feed for animals. 207,226; Apr. 21.
Boulin, Camille H., doing business as Canson & Montgolfier, New York, N. Y. Handmade paper. 175,915; Apr. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Phonographs. 209,459; Apr. 21.
Burndept Limited, London, England. Wireless apparatus. 198,028; Apr. 21.
California Bottling Works, Los Angeles, Calif. Beverages. 209,560; Apr. 21.
Candy Bros. Manufacturing Company, The, St. Louis, Mo. Candy. 209,021; Apr. 21.
Canson & Montgolfier. (See Boulin, Camille H.)
Capital Drug Company, Sacramento, Calif. Mineral bath crystals. 210,826; Apr. 21.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gases. 207,445–7; Apr. 21.
Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus and machines, etc. 208,500; Apr. 21.
Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus and machines for boring, drilling, etc., also generator set therefor. 209,278; Apr. 21.
Cochran, Frances M. (See McKinney, James S., assignor.)
Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph records, both recording and reproducing, etc. 208,127; Apr. 21.
Columbus Gear & Pump Company, The, Columbus, Ohio. Electrical engine and belt driven power pumps. 209,721; Apr. 21.
Colytt Laboratories, The. (See Watkins, Frederick A.)
Contas, J. S., Brothers, Boston, Mass. Olive oil. 209,831; Apr. 21.
Convex Sign Co., Chicago, Ill. Toy pistol and target. 206,400; Apr. 21.
Corn Fix Co., Inc., Newark, N. J. Remedy for corns, calli, and bunions. 210,447; Apr. 21.
Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet waters, etc. 210,785; Apr. 21.
Cummings, Patrick J., doing business as The Jewelry and Cutlery Novelty Company, North Attleboro, Mass. Pocket knives. 210,291; Apr. 21.
Curts, Joseph A., Detroit, Mich. Chocolate candy bars filled with peanuts. 190,091; Apr. 21.
D. X. Intrument Company, Harrisburg, Pa. Lightning arresters. 207,860; Apr. 21.
Daniel Grocery Company, Murphysboro and West Frankfort, Ill. Canned goods, relishes, meats, etc. 207,974; Apr. 21.
Davidson, Jemima, doing business as J. Davidson & Son, New Bedford, Mass. Ham. 205,396; Apr. 21.
Denta-Glo Laboratory, Temple, Tex. Liquid tooth-cleaning preparation. 210,837; Apr. 21.
De Roquefeuil, L., Paris, France. Perfume, toilet water, face powder, talcum powder, etc. 210,536; Apr. 21.
Des Moines Wholesale Grocer Co., Des Moines, Iowa. Apple butter, canned goods, olive oil, etc. 206,882; Apr. 21, 1925.
Detroit Graphite Company, Detroit, Mich. Ready-mixed paint. 208,229; Apr. 21.
Dietrich, Charles W., Los Angeles, Calif. Gasoline. 208,513; Apr. 21.
Ditzler Color Co., Detroit, Mich. Japan colors, varnishes, paints, etc. 209,389; Apr. 21.
Doubleday, Page & Co., Garden City, N. Y. Magazine issued monthly. 210,647; Apr. 21.
Droese & Fischer, Berlin, Germany. Waterproof surfacing paints. 206,997; Apr. 21.
Dubilier Condenser & Radio Corporation, New York, N. Y. Electrical condensers. 197,195; Apr. 21.
Edouardo. (See Tatum, Edward H.)
Electrical Research Laboratories, Inc., Chicago, Ill. Radiodials. 208,645; Apr. 21.
Ely & Walker Dry Goods Company, St. Louis, Mo. Trunks, bags, and suitcases. 208,646; Apr. 21.
Endless Life Food and Drink Company. (See Jefferson, George F.)
Euclid Candy Company, The, Cleveland, Ohio. Candy. 208,901; Apr. 21.
Export Underwriters Corporation, New York, N. Y. Pencils, penholders, and fountain pens. 209,082; Apr. 21.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils. 208,746; Apr. 21.
Fabrik Medizinischer und Kosmetischer Präparate Dr. Alfred E. F. Weidner. (See Weidner, Alfred E. F.)
Ferrari, Agostino, doing business as Fratelli Ferrari & Co., Imperia I, Italy. Olive oil. 206,000. Apr. 21.
Fisher, John G., Los Angeles, Calif. Testing papers for alcoholic beverages. 210,653; Apr. 21.
Florian Inc., Des Moines, Iowa. Face powder, tooth paste, and face lotion. 210,788; Apr. 21.
Fones, Alfred C., doing business as The Laroma Chemical Company, Bridgeport, Conn. Toothbrushes. 207,927. Apr. 21.
Fort Howard Paper Company, Green Bay, Wis. Sanitary napkins. 180,116; Apr. 21.
Fox, Peter, Sons Co., The, Chicago, Ill. Dressed poultry and eggs. 197,556; Apr. 21.
Fratelli Ferrari & Co. (See Ferrari, Agostino.)
Fregger-Fox Drug Company, Omaha, Nebr. Medicine used in cases of rheumatism, neuralgia, sciatica, etc. 210,898; Apr. 21.
General Electric Company, Schenectady, N. Y. Electrical switches, fuses, insulating compounds, etc. 196,338; Apr. 21.
General Instrument Corporation, New York, N. Y. Electrical insulation compounds for use in electrical and radio apparatus 208,848; Apr. 21.
General Instrument Corporation, New York, N. Y. Electron tube and amplification units or stages, etc. 208,849; Apr. 21.
Giles Printing Company, Inc., New York and Long Island City, N. Y. Magazines, books, pamphlets, etc. 210,547–8; Apr. 21.
Gillies Coffee Co., New York, N. Y. Preparation of chocolate or cocoa for beverages. 208,757; Apr. 21.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Cereal breakfast foods. 194,602; Apr. 21.
Gropper, Jeosef, doing business as J. Gropper Weavenit, New York, N. Y. Neckties. 206,350; Apr. 21.
Grube, August, Logansport, Ind. Breakfast food, the principal ingredient of which is corn meal. 204,906; Apr. 21.
Gust Economy, Yankton, S. Dak. Shoe dressing. 208,312; Apr. 21.
Guyton, Frank, doing business as Wellston Bottling Works, St. Louis, Mo. Nonalcoholic, noncereal, maltless beverages. 210,660; Apr. 21.
Hall, Charles G., New York, N. Y. Radio receiving apparatus. 202,991; Apr. 21.
Hall Paint Company, Inc., Buffalo, N. Y. Boiled or raw linseed oil, turpentine, etc. 207,505; Apr. 21.
Hawthorne, May, doing business as Hawthorne Beauty Stores, Phoenix, Ariz. Toilet preparations—namely, cleansing skin cream, etc. 208,518; Apr. 21.
Held, Frank P., & Co., Inc., New York, N. Y. Caps for men and boys. 210,615; Apr. 21.
Heine & Co., New York, N. Y. Essential oils suitable for perfumery purposes. 210,903; Apr. 21.
Heller, B., & Company, Chicago, Ill. Flavoring compound for use in food products. 210,552; Apr. 21.
Hoffman Bros., Inc., New York, N. Y. Watches, watch movements, watchcases, clocks, and parts thereof. 192,122; Apr. 21.
Holland Food Corporation, New York, N. Y. Butter. 210,235; Apr. 21.
Home Industries. (See Lamb, Herbert W.)
Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Mail sacks, coal bags, coin sacks, etc. 209,662; Apr. 21.
Houston Chronicle Publishing Co., The, Houston, Tex. Daily newspaper. 209,664; Apr. 21.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 207,463; Apr. 21.
Ideal Bakery. (See Sandison, Arthur T.)
Illinois Asbestos Products Company, Chicago, Ill. Insulating material. 209,666; Apr. 21.
Illinois Asbestos Products Company, Chicago, Ill. Insulating material. 209,668; Apr. 21.
Imperial Auto Products Company, Los Angeles, Calif. Prepared dusting cloths. 202,066; Apr. 21.
Independent Publishing Company, The, Washington, D. C. Weekly newspaper. 208,403; Apr. 21.
Indian Hill Company, The, Chicago, Ill. Ginger ale and sirups for making same. 210,667; Apr. 21.
International Publishing Company. (See Maxwell, Walter R.)
Jack Frost Beverage Co., Monaca, Pa. Ginger ale. 209,351; Apr. 21.
Jackson Box Company, The, Norwood, Ohio. Cartons, shipping boxes, and containers. 209,128; Apr. 21.
Jefferson, George F., doing business as Endless Life Food and Drink Company, Cincinnati, Ohio. Biscuits, bread, buns, cake, cookies, etc. 205,481; Apr. 21.
Jewelry and Cutlery Novelty Company. (See Cummings, Patrick J.)
Johns-Manville, Incorporated, New York, N. Y. Asphalt roofing. 209,577; Apr. 21.
Johns-Pratt Company, The, Hartford, Conn. Electrical switches. 209,849–50; Apr. 21.
Kalix Cup Company, Boston, Mass. Paper drinking cups and dispensers therefor. 201,665; Apr. 21.
Keen Kola Manufacturing Co., Dallas, Tex. Beverage. 209,352; Apr. 21.
Kenworthy Grain & Milling Co., Tacoma, Wash. Cereals—namely, corn meal, rolled oats, feeds, etc. 192,488; Apr. 21.
Kersten, Morris, doing business as Kersten Electric Company, Chicago, Ill. Electric-iron cord sets, flatirons, toasters, etc. 207,082; Apr. 21.
Kessler, Arden P., doing business as The All Specialties Drug Company, Dayton, Ohio. Medicine for constipation, headache, etc. 210,734; Apr. 21.
Keystone Watch Case Company, The, Philadelphia, Pa. Watches, watchcases, movements, and parts thereof. 193,838; Apr. 21.
Kimberly-Clark Company, Neenah, Wis. Paper padding. 209,168; Apr. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Klein Chocolate Company, Inc., Elizabethtown, Pa. Cocoa. 209,225; Apr. 21.
Klein, Robert, Solingen, Germany. Table knives, forks, and spoons, scissors, etc. 205,123; Apr. 21.
Kordick, Adolph C., doing business as Apollo Products, Chicago, Ill. French salad dressing. 207,937; Apr. 21.
Lamb, Herbert W., doing business as Home Industries, Adrian, Mich. Books and lesson sheets used with correspondence courses. 206,315; Apr. 21.
Laroma Chemical Company, The. (See Fones, Alfred C.)
Lehn & Fink, Inc., New York, N. Y. Bay rum. 210,458; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Antiseptic solution. 210,460; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Antiseptic, chemically amidopyrin. 210,463; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Antiphlogistic, antipruritic, antiseptic. 210,464; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Pine-needle extract. 210,465; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Insecticide. 210,472; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Nonirritating local anodyne recommended for the relief of itching cutaneous affections, etc. 210,473; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Cod-liver oil. 210,474; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Water glass. 210,475; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Nonirritating astringent and antiseptic ointment. 210,476; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Incense. 210,477; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Green soap. 210,478; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Silver nucleinate. 210,479; Apr. 21.
Lehn & Fink, Inc., New York, N. Y. Antiseptic and deodorant. 210,480; Apr. 21.
Lesquendieu, John, Paris, France. Nail polishes. 210,796; Apr. 21.
Lesquendieu, Joseph, Paris, France. Rouges. 210,797; Apr. 21.
Lesquendieu, Joseph, Paris, France. Hair coloring. 210,798; Apr. 21.
Lesquendieu, Joseph, Paris, France. Perfume, toilet water, face powder, etc. 210,799; Apr. 21.
Libby, McNeill & Libby, Chicago, Ill. Canned and preserved fruits and berries and condensed, evaporated, and powdered milk. 208,665; Apr. 21.
Listerated Gum Corporation, New York, N. Y. Chewing gum. 209,482; Apr. 21.
Liverpool Borax Co. Ltd., The, Liverpool, England. Detergents. 186,144; Apr. 21.
Long Island Beverage Company, Inc., Astoria, N. Y. Nonalcoholic, noncereal, maltlese beverages and sirups for making same. 210,241; Apr. 21.
Lowrey, Augustus, Leavenworth, Kans. Metal, pottery, and glass polishing compounds. 206,971; Apr. 21.
Lysol, Inc., New York, N. Y. Glue preserver. 210,488; Apr. 21.
Maas, Julian, St. Louis, Mo. Advertising matter made by printing, lithographing, etc. 210,067; Apr. 21.
Macdonald, David B., Leicester, England. Adhesives for leather and parts of boots and shoes. 184,085; Apr. 21.
Macy, R. H., & Co., Inc., New York, N. Y. Men's leather shoes. 210,492; Apr. 21.
Madsen, A. W., Engels Park, Joliet, Ill. Creamery butter. 208,506; Apr. 21.
Mansfield, J. Carroll, New York, N. Y. Title for newspaper strips. 210,616; Apr. 21.
Marx & Rawolle Inc., New York, N. Y. Oil stains. 203,887; Apr. 21.
Ma's Candy Company. (See McKinney, James S.)
Mathieson Alkali Works, The, New York, N. Y. Desulphurizing and refining agent for cast iron, etc. 210,490; Apr. 21.
Matson Lace Tipping Machine Company, Boston, Mass. Shoe, legging, corset, and apparel laces. 207,585; Apr. 21.
Maxwell, Walter R., doing business as International Publishing Company, Chicago, Ill. Encyclopedia with loose-leaf revision service. 193,469; Apr. 21.
McComb, David J., Santa Fe, N. Mex. Fresh deciduous and small fruit. 201,039; Apr. 21.
McKinney, James S., doing business as Ma's Candy Company, Coahoma, assignor of one-third to F. M. Cochran, Lamb County, Tex. Chocolate peanut candy and candied pop corn. 206,911; Apr. 21.
Meyer, Louis, Company, Inc., Brooklyn, N. Y. Lard. 209,487; Apr. 21.
Miller Pharmacy Co., doing business as Polyclinic Medicine Co., Cincinnati, Ohio. Preparation for hair dressing and grower, shampoo, dandruff, and itching scalp. 210,916; Apr. 21.
Mills, James, Orchards Corporation, Hamilton City and Maxwell, Calif. Lemons in their natural state and fresh pears. 208,598; Apr. 21.
Minute Tapioca Company, Orange, Mass. Prepared tapioca. 209,995; Apr. 21.
Mississippi Cane Syrup Co. Inc., New Orleans, La. Sirup for food purposes. 210,070; Apr. 21.
Moffett Grocer Co., Flint, Mich. Canned fish, food-flavoring extracts, condiments, etc. 203,481; Apr. 21.
Musical Products Distributing Co. Inc., New York, N. Y. Radio receiving sets and parts thereof. 208,356; Apr. 21.
Nassar, Mansur M., Brice Hill, Cincinnati, Ohio. Capsules for headaches and neuralgia. 210,974; Apr. 21.
National Airphone Corporation, New York, N. Y. Radio receiving sets. 206,122; Apr. 21.
National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, crackers, cakes, and cookies. 207,669–70; Apr. 21.
Nebraska Consolidated Mills Company, doing business as St. Edward Mills, Omaha, Nebr. Wheat flour. 210,072; Apr. 21.
Neuhoff, Fred B., Company, Los Angeles, Calif. Canned tunny fish and tomato catchup. 207,753; Apr. 21.
Neuman & Schwiers Co., Inc., The, New York, N. Y. Vegetable relishes. 206,798; Apr. 21.
Newton, Chambers & Co. Limited, near Sheffield, England. Perfumed soap, liquid soaps, medicated soaps, etc. 208,098; Apr. 21.
Noble, Kenneth B., doing business as Noble Manufacturing Company, Hartford, Conn. Mechanical toys. 198,667; Apr. 21.
Nofat Company, Inc., The, New York, N. Y. Compound for sealing tires against punctures. 209,681; Apr. 21.
Nofsinger, Asher H., doing business as Alta Orchards, Cockeysville, Md. Peach marmalade, quince marmalade, cider apple butter, etc. 205,081; Apr. 21.
Oertel, Carl H., Baltimore, Md. Medicines for colds, grippe, and influenza. 208,856; Apr. 21.
Old Grand-Dad Distillery Co., Louisville, Ky. Whisky. 208,864; Apr. 21.
Olmsted, Leon A., doing business as Vim Chain Stores, Chicago, Ill. Electric tapes, dry cells, doorbells, etc. 206,631; Apr. 21.
Orbis Products Trading Co., Inc., New York, N. Y. Powdered egg albumen and powdered egg yolk. 210,136; Apr. 21.
Oxweld Acetylene Company, New York, N. Y. Monthly periodical. 210,137; Apr. 21.
Pacific Coast Biscuit Company, Seattle, Wash. Cream crackers. 209,494; Apr. 21.
Pagni, Raffaello, Florence, Italy. Pharmaceutical product for rebuilding the nerves, etc. 208,718; Apr. 21.
Palmer Candy Co., Sioux City, Iowa. Candy. 207,824; Apr. 21.
Parfumerie Rigaud, Inc., New York, N. Y. Face powders. 210,980; Apr. 21.
Park & Tilford, New York, N. Y. Chocolates and candies. 207,469; Apr. 21.
Parr, George T., St. Paul, Minn. Edible ice-cream containers and confections. 181,861; Apr. 21.
Pasadena Biscuit Company, Pasadena, Calif. Crackers, cakes, cookies, and biscuits, also cracker meal. 208,820; Apr. 21.
Pede-Kumfo Co., Fort Wayne, Ind. Preparation for deodorizing shoes. 210,855; Apr. 21.
Peridot Papers Company. (See Stokes, Herbert.)
Permatype Record Writing Machine Company, Newark, N. J. Record-writing machines. 210,314; Apr. 21.
Pettis Dry Goods Co., Indianapolis, Ind. Hosiery. 210,007; Apr. 21.
Pfening & Snyder, Inc., Columbus, Ohio. Blank-book binders and also pages of blank forms for use therein. 208,866; Apr. 21.
Picard, Hermann & Fils, Alexora Watch Manufactory, La Chaux-de-Fonds, Switzerland. Watches, watch-cases, watch movements and dials. 206,975; Apr. 21.
Poehlman, John, & Sons, Baltimore, Md. Butter and eggs. 208,480; Apr. 21.
Pohl, Ed., Reval, Esthonia. Safety matches. 206,801; Apr. 21.
Pollock-Davis Company, The, Cleveland, Ohio. Monthly publication. 191,340; Apr. 21.
Polyclinic Medicine Co. (See Miller Pharmacy Co.)
Propp, M., Co., The, New York, N. Y. Miniature-electric-light clusters. 191,569; Apr. 21.
Propp, M., Co., The, New York, N. Y. Electric sockets. 191,570; Apr. 21.
Putnam, F., Co., Charlestown, Boston, Mass. Potatoes in their natural state. 209,057; Apr. 21.
Radio Parlor, The, New York, N. Y. Radio receiving sets and parts thereof. 206,860; Apr. 21.
Radiotive Corporation, Brooklyn, N. Y. Radio loud speakers. 203,006; Apr. 21.
Rannou, A., et Cie., Marseille, France. Dates. 208,067; Apr. 21.
Red Top Malt Extract Company, The, Cincinnati, Ohio. Malt and hop sirup. 208,260; Apr. 21.
Reid-Seeley Company, Inc., The, New York, N. Y. Chemical stain remover and cleaner and nap raiser for fabrics. 206,375; Apr. 21.
Resas, Inc., New York, N. Y. Radio receiving sets. 204,979; Apr. 21.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rinald Brothers Paint Works, Inc., Philadelphia, Pa. Varnishes, dry paints, paste paints, etc., and colors and dyes used in connection therewith. 206,190; Apr. 21.
Rogers, H. L., Co., Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, and humidors. 206,977; Apr. 21.
Safety Electric Products Co., Los Angeles, Calif. Externally-operated electrical switches, switch boards, etc. 188,934; Apr. 21.
St. Edward Mills. (See Nebraska Consolidated Mills Company.)
Salerni, Rocco, doing business as The Salerni Co., Astoria, N. Y. Strings for harps and violins and similar stringed musical instruments. 209,002; Apr. 21.
Sandison, Arthur T., doing business as Ideal Bakery, Centralia, Wash. Bread. 208,585; Apr. 21.
Sands, Taylor & Wood Company, Somerville, Mass. Wheat flour. 209,002–6; Apr. 21.
Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 189,526; Apr. 21.
Schroeder, Olive K., doing business as Zatso Products Company, New York, N. Y. Imitation coffee. 209,432; Apr. 21.
Sell Brothers, Delaware, Ohio. Photoprints and enlargements. 206,330; Apr. 21.
Shyan, Marko, Chicago, Ill. Chocolate bars and chocolate-covered fruit bars. 208,875; Apr. 21.
Siebel, Emil, doing business as Emil Siebel Company, St. Louis, Mo. Medicinal preparation for the relief of biliousness and constipation. 210,760; Apr. 21.
Simon, Albert, Chicago, Ill. Periodical. 209,704; Apr. 21.
Stannard, David S. B., Huntington Park and Los Angeles, Calif. Reference chart of radio stations published from time to time. 208,785; Apr. 21.
Star Milling Company, Statesville, N. C. Wheat flour. 207,692; Apr. 21.
Steen, Robert I., Co., Los Angeles, Calif. Food-flavoring extracts, spices, nut meats, etc. 206,094; Apr. 21.
Stokes, Herbert, doing business as Peridot Papers Company, New York, N. Y. Toilet and shelf papers, paper towels, etc. 209,437; Apr. 21.
Strauss, Joseph, Company, Inc., Buffalo, N. Y. Storage batteries both for automobiles and radio equipment. 208,321; Apr. 21.
Suomen Valtamerentakainen Kauppa Oy, Helsingfors, Finland. Wheat flour. 208,489–40; Apr. 21.
Tatum, Edward H., doing business as Eduardo, New York, N. Y. Perfumes, toilet water, etc. 209,148; Apr. 21.
Telometer Manufacturing Company, Inc., Binghamton, N. Y. Signals. 188,451; Apr. 21.
Tetlow, Henry, Company, Philadelphia, Pa. Face, toilet, and talcum powder and perfume. 210,588; Apr. 21.
Timely Films, Inc., New York, N. Y. Text motion-picture films. 189,485; Apr. 21.
Tong Publishing Company, The, Washington, D. C. Weekly newspaper. 210,332; Apr. 21.
Topeka Flour Mills Company, Topeka, Kans. Wheat flour. 203,100; Apr. 21.
Trampe Spark Plug Co., Inc., St. Louis, Mo. Spark plugs. 208,790; Apr. 21.
Trazivuk, Mark J., Mexico, Mexico. Gasoline, kerosene, lubricating oil, etc. 207,534; Apr. 21.
Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,098; Apr. 21.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,096–100; Apr. 21.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,102–3; Apr. 21.
Udell Works, The, Indianapolis, Ind. Talking machines. 201,117; Apr. 21.
Ungerer & Company, Inc., New York, N. Y. Scenting preparation used in the manufacture of perfumes and toilet preparations. 210,632; Apr. 21.
United Aniline Company. (See Aronson, Louis.)
Universal Pictures Corporation, New York, N. Y. Moving pictures. 210,200; Apr. 21.
Victory Sparkler & Specialty Company, Elkton, Md. Sparklers, sun wheels, snakes, etc. 208,866; Apr. 21.
Vim Chain Stores. (See Olmsted, Leon A.)
Vulcan Oil Refining Company, Coraopolis, Pa. Gasoline, kerosene, and lubricating oils and greases. 189,285; Apr. 21.
Wagner & Company, Chicago, Ill. Canned sausage. 204,210; Apr. 21.
Watkins, Frederick A., doing business as The Colytt Laboratories, Chicago, Ill. Telephone mouthpieces. 208,327; Apr. 21.
Watkins, J. R., Company, The, Winona, Minn. Brown skin face powder, complexion powder, deodorant powder, etc. 210,936; Apr. 21.
Weidner, Alfred E. F., doing business as Fabrik Medizinischer und Kosmetischer Präparate Dr. Alfred E. F. Weidner, Berlin, Germany. Albuminates, albumoses, and dissolutions of said substances. 195,575; Apr. 21.
Weidner, Edmund, Berlin, Germany. Albuminates, albumoses, and dissolutions of said substances. 195,608; Apr. 21.
Wellston Bottling Works. (See Guyton, Frank.)
Wesley, Edward, & Co., Cincinnati, Ohio. Liniment. 210,938; Apr. 21.
West Side Wholesale Grocery Co., Chicago, Ill. Toothpicks. 207,318; Apr. 21.
Wetherbee, C. L., & Son, Middletown, Conn. Bias tape. 207,907; Apr. 21.
Whelan, Omer G., Richmond, Ind. White and yellow corn meal, graham flour, etc. 208,215; Apr. 21.
White-Stokes Co., Inc., Chicago, Ill. Fondant or base for use as an icing, topping, etc. 207,161; Apr. 21.
Wilcox-Hayes Co., The, Portland, Oreg. Wheat flour. 207,689; Apr. 21.
Willey, C. A., Company, Long Island City, N. Y. Lacquers, ready-mixed paints, varnishes, etc. 208,883; Apr. 21.
Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 205,970; Apr. 21.
Wróblewski, David, New York, N. Y. Preparation for stomach, throat, and lungs, etc. 210,689; Apr. 21.
Zatso Products Company. (See Schroeder, Olive K.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Rice Coal Company. 197,591; Apr. 21; Serial No. 201,263; published Dec. 2, 1924.
Hops. V. Neustadtl. 197,547–8; Apr. 21; Serial Nos. 203,741–2; published Dec. 23, 1924.
Marble and stone. Carlo Fabbricotti e B. Fabbricotti e Figli. 197,679; Apr. 21; Serial No. 197,472; published Jan. 27, 1925.

CLASS 3.

Trunks. Modern Trunk Company. 197,794; Apr. 21.

CLASS 4.

Abrasive materials. H. C. Thompson. 197,521; Apr. 21; Serial No. 205,249; published Feb. 3, 1925.
Cleaners comprising solvents including tar removers and dry cleaners. H. C. Thompson. 197,532; Apr. 21; Serial No. 205,244; published Feb. 3, 1925.
Dressing for leather, boots, shoes, harnesses, rubber, and cloth. A. E. Little & Company. 45,600; renewed Aug. 22, 1925.
Dye and polish for leather, Combined. Sunbeam Chemical Company. 197,698; Apr. 21; Serial No. 205,570; published Feb. 3, 1925.
Enamel, Stove. J. L. Prescott Company. 197,654; Apr. 21; Serial No. 199,803; published Feb. 3, 1925.
Preparation for cleaning, polishing, and preserving. Cleanola Company. 46,435; renewed Sept. 19, 1925.
Soap. Karlsruher Parfumerie- und Toilettenseifen-Fabrik F. Wolff & Sohn, Gesellschaft mit beschränkter Haftung. 197,451; Apr. 21; Serial No. 204,966; published Feb. 3, 1925.

Soap. Remmers-Graham Company. 197,804; Apr. 21.
Soap and soap chips, Laundry and toilet. John Sexton and Company. 197,599; Apr. 21; Serial No. 187,774; published Feb. 3, 1925.
Soap preparation. N. Gray. 197,524; Apr. 21; Serial No. 204,315; published Feb. 3, 1925.
Soaps. Pennsylvania Soap Company of Lancaster, Pa. 197,558; Apr. 21; Serial No. 204,371; published Feb. 3, 1925.
Soaps, Kitchen and laundry. R. H. Macy & Co. 197,769; Apr. 21; Serial No. 205,075; published Feb. 3, 1925.
Soaps, shoe polish, and cleaning powders. C. Jacquet. 197,560; Apr. 21; Serial No. 204,234; published Feb. 3, 1925.
Solution to be applied to vehicle windshields. F. P. Sullivan. 197,602; Apr. 21; Serial No. 191,727; published Feb. 3, 1925.

CLASS 5.

Dry pastes. Penn Paste Milling Company. 197,748; Apr. 21; Serial No. 176,690; published Apr. 10, 1923.
Sizes, Wall. Penn Paste Milling Company. 197,749; Apr. 21; Serial No. 176,689; published Apr. 10, 1923.

CLASS 6.

Antiseptic. Bielek Manufacturing Company. 197,479; Apr. 21; Serial No. 205,191; published Feb. 3, 1925.
Antiseptic wash, Alkaline. Alkaloi Company. 44,702; renewed July 18, 1925.
Astringent and antiseptic solution. Ohio Medical Products Co. 197,583; Apr. 21; Serial No. 206,364; published Feb. 3, 1925.

Blue, Laundry. J. L. Prescott Company. 197,656; Apr. 21; Serial No. 199,799; published Jan. 27, 1925.
Capsules for the treatment of obesity. J. Karlin. 197,518; Apr. 21; Serial No. 206,006; published Feb. 3, 1925.
Casein plastic. Karolith Corporation. 197,492; Apr. 21; Serial No. 206,073; published Jan. 13, 1925.
Chemical composition for weakness, nervousness, etc. E. V. Lewis. 197,491; Apr. 21; Serial No. 206,076; published Jan. 13, 1925.
Chemical compound to remove tarnishing impurities from the air. Woolworth Chemical Company. 197,567; Apr. 21; Serial No. 203,859; published Jan. 20, 1925.
Chemical substance or mixture used in the arts and manufactures. Celluloid Company. 197,508; Apr. 21; Serial No. 205,857; published Jan. 13, 1925.
Coloring for butter and other foods. Preservaline Manufacturing Company. 197,801; Apr. 21.
Compound for graining and finishing leather. S. M. Hermann. 197,519; Apr. 21; Serial No. 206,003; published Feb. 3, 1925.
Corn plasters. Johnson & Johnson. 197,517; Apr. 21; Serial No. 206,007; published Feb. 3, 1925.
Cosmetics. Hickson, Inc. 197,565; Apr. 21; Serial No. 204,028; published Feb. 3, 1925.
Cough sirup. A. L. Boyd. 197,663; Apr. 21; Serial No. 201,647; published Jan. 13, 1925.
Cream and skin cleanser, Face massage. Excellantae Laboratories Inc. 197,474; Apr. 21; Serial No. 205,403; published Jan. 13, 1925.
Cream, Nasal. A. R. Witt. 197,469; Apr. 21; Serial No. 205,503; published Jan. 27, 1925.
Cream, perfume, talcum powder, etc., Beauty. Mihalovitch Co. 197,734; Apr. 21; Serial No. 193,610; published Feb. 3, 1925.
Crème, face-powder, hair tonic, etc., Astringent. H. C. Warden. 197,562; Apr. 21; Serial No. 204,211; published Jan. 13, 1925.
Dentifrices. Charles H. Phillips Chemical Co. 197,488; Apr. 21; Serial No. 206,185; published Jan. 27, 1925.
Disinfecting candles. C. Katzenberger. 197,592; Apr. 21; Serial No. 206,170; published Jan. 13, 1925.
Epsom salt, boracic acid, bay rum, etc. C. S. Littell & Co. 197,504; Apr. 21; Serial No. 205,883; published Jan. 27, 1925.
Hairdressing. Crystal Princess Manufacturing Co. 197,561; Apr. 21; Serial No. 204,222; published Jan. 27, 1925.
Hair grower, temple salve, and pressing oil. B. Sanders. 197,791; Apr. 21.
Insecticides. J. B. Stone. 197,581; Apr. 21; Serial No. 206,442; published Feb. 3, 1925.
Iodine-colloid preparations. Kolide Laboratories, Inc. 197,471; Apr. 21; Serial No. 205,484; published Jan. 13, 1925.
Laxative. Joy Chemical Co. 197,662; Apr. 21; Serial No. 201,453; published Jan. 27, 1925.
Laxative and relief for dyspepsia. Bono Drug Co. 197,489; Apr. 21; Serial No. 206,150; published Jan. 27, 1925.
Laxative medicine, styptic, liniment, etc. Tubbs Medicine Co. 197,472; Apr. 21; Serial No. 205,455; published Jan. 13, 1925.
Liniment. W. Bonnafant. 197,468; Apr. 21; Serial No. 205,511; published Jan. 27, 1925.
Liniment. A. N. Kjellander. 197,552; Apr. 21; Serial No. 204,826; published Jan. 13, 1925.
Liquid for the treatment of arteriosclerosis. Luitpold-Werk Chemische-Pharmaceutische Fabrik. 197,500; Apr. 21; Serial No. 205,932; published Jan. 20, 1925.
Liquid for the treatment of arthritis. Luitpold-Werk Chemische-Pharmaceutische Fabrik. 197,499; Apr. 21; Serial No. 205,933; published Jan. 20, 1925.
Liquid treatment for horses. P. Hoffer. 197,584–5; Apr. 21; Serial Nos. 206,355–6; published Feb. 3, 1925.
Lotion. W. H. Ayres Company. 197,582; Apr. 21; Serial No. 206,392; published Feb. 3, 1925.
Lotion, Eye. E. W. Kerr. 197,490; Apr. 21; Serial No. 206,120; published Jan. 13, 1925
Lotions, Skin. Sacmia Products Co. 197,563; Apr. 21; Serial No. 204,199; published Jan. 13, 1925.
Medical preparation. R. A. D. Carbonell. 197,559; Apr. 21; Serial No. 204,306; published Jan. 27, 1925.
Medicinal compound. E. O. Bassett. 197,760; Apr. 21; Serial No. 204,743; published Feb. 3, 1925.
Medicine. J. L. Hutchinson. 197,671; Apr. 21; Serial No. 203,820; published Jan. 20, 1925.
Medicine for laryngitis, etc. Chlorine Products Company. 197,475; Apr. 21; Serial No. 205,393; published Jan. 27, 1925.
Menthol, Synthetic. New York Quinine and Chemical Works, Inc. 197,516; Apr. 21; Serial No. 206,123; published Feb. 3, 1925.
Motor-fuel component, Fuel Vitalizer Co. (of California). 197,520; Apr. 21; Serial No. 205,868; published Feb. 3, 1925.
Motor-fuel ingredient. F. E. Judd. 197,554; Apr. 21; Serial No. 204,710; published Jan. 20, 1925.
Motor-fuel ingredient. Power Oil & Gas Company. 197,470; Apr. 21; Serial No. 205,490; published Jan. 13, 1925.
Ointment for treating croup, coughs, etc. Pynolene Remedy Company. 197,514; Apr. 21; Serial No. 206,256; published Feb. 3, 1925.
Ointment for treatment of tuberculosis. E. Merck. 197,568; Apr. 21; Serial No. 203,831; published Jan. 20, 1925.
Paste treatment and relief for sore feet for horses. P. Hoffer. 197,586. Apr. 21; Serial No. 206,354; published Feb. 3, 1925.
Perfume. Lionel Trading Co. 197,598; Apr. 21; Serial No. 197,752; published Jan. 13, 1925.
Perfume extracts, toilet waters, lotions, etc. M. Babani. 197,798; Apr. 21.
Perfumes. F. Wolf. 197,684; Apr. 21; Serial No. 198,924; published Jan. 27, 1925.
Pharmaceutical preparation as a mouth wash. Gedeon Richter Laboratories, Inc. 197,487; Apr. 21; Serial No. 206,237; published Jan. 13, 1925.
Pills, Headache. C. S. Littell & Co. 197,505; Apr. 21; Serial No. 205,882; published Jan. 13, 1925.
Pills, Liver. H. H. Good. 197,484; Apr. 21; Serial No. 206,348; published Feb. 3, 1925.
Pills or tablets. C. Marx. 197,497; Apr. 21; Serial No. 205,936; published Jan. 13, 1925.
Pomade. H. C. Rice. 26,287; renewed Mar. 26, 1925.
Powder for the therapy of gynecological hemorrhages. Luitpold-Werk Chemische-Pharmaceutische Fabrik. 197,501; Apr. 21; Serial No. 205,931; published Jan. 20, 1925.
Powders and rouges, Face. Remilier Co. 197,713; Apr. 21; Serial No. 207,099; published Feb. 3, 1925.
Powders and rouges, Face. V. Vivaudou, Inc. 197,513; Apr. 21; Serial No. 206,263; published Feb. 3, 1925.
Powders, face creams, toilet waters, etc., Face. J. A. Marceau, Inc. 197,498; Apr. 21; Serial No. 205,935; published Jan. 13, 1925.
Powders, Headache. Eagle Company. 197,711; Apr. 21; Serial No. 205,269; published Feb. 3, 1925.
Preparation for consumption. A. House. 197,789; Apr. 21; Serial No. 189,408; published Feb. 3, 1925.
Preparation for diseases in poultry. F. W. Falls, jr. 197,657; Apr. 21; Serial No. 200,154; published Jan. 27, 1925.
Preparation for sores, diphtheria, etc. R. C. Bayly. 197,738; Apr. 21; Serial No. 189,655; published Feb. 3, 1925.
Preparation for the treatment of burns. Mas and Georges. 197,645; Apr. 21; Serial No. 202,454; published Feb. 3, 1925.
Preparation for the treatment of coughs and inflamed condition of the throat and lungs. W. G. Holley. 197,549; Apr. 21; Serial No. 204,858; published Jan. 20, 1925.
Preparation for the treatment of goiter. H. H. Eakle. 197,575; Apr. 21; Serial No. 206,480; published Feb. 3, 1925.
Preparation for the treatment of goiter. G. D. Fryer. 197,473; Apr. 21; Serial No. 205,406; published Jan. 13, 1925.
Preparation for the treatment of pyorrhea, etc. L. N. Smith. 197,483; Apr. 21; Serial No. 204,872; published Jan. 13, 1925.
Preparation for treatment of the stomach and intestines. N. S. Applewhite. 197,577; Apr. 21; Serial No. 206,470; published Feb. 3, 1925.
Preparation to exterminate insects or pests on poultry and animals. F. W. Falls, jr. 197,655; Apr. 21; Serial No. 200,153; published Jan. 27, 1925.
Preparations for internal and external use, also shampoos, toilet cream, etc. E. C. De Witt & Co. 197,482; Apr. 21; Serial No. 204,898; published Feb. 3, 1925.
Preparations for treating textile fabrics. E. F. Houghton & Co. 197,493; Apr. 21; Serial No. 206,070; published Jan. 13, 1925.
Radiator compounds. Fleury Brothers. 197,780; Apr. 21.
Remedies. Od Chem. Company. 45,923; renewed Aug. 29, 1925.
Remedies for arteriosclerosis, etc. J. A. B. Dardignac. 197,502; Apr. 21; Serial No. 205,912; published Jan. 13, 1925.
Roach, ant, and water-bug exterminator. H. F. De Longe. 197,608; Apr. 21; Serial No. 197,262; published Aug. 26, 1924.
Rouge, face powder, and cream. La Flamme Company. 197,486; Apr. 21; Serial No. 206,245; published Jan. 13, 1925.
Rouge, lip stick, cold cream, etc. C. W. Arit. 197,556; Apr. 21; Serial No. 204,581; published Jan. 20, 1925.
Rust solvent and penetrating oil. L. G. Nicholson. 197,653; Apr. 21; Serial No. 199,848; published Jan. 13, 1925.
Salt, Granular effervescent. Emerson Drug Company. 46,450; renewed Sept. 19, 1925.
Salve for relief of infections, burns, etc. F. J. Dooley. 197,485; Apr. 21; Serial No. 206,346; published Feb. 3, 1925.
Salves and oils. E. B. Knight. 197,593; Apr. 21; Serial No. 171,579; published Aug. 26, 1924.
Soldering fluid. Flux Chemical Company. 197,566; Apr. 21; Serial No. 203,880; published Feb. 3, 1925.
Solvents for cleaning drain or waste pipes, etc. Stephenson Chemical Co. 197,667; Apr. 21; Serial No. 202,863; published Jan. 13, 1925.

Solvents in solvent mixtures including alcohol or ethyl acetate, etc. U. S. Industrial Co. 197,735; Apr. 21; Serial No. 193,433; published Feb. 3, 1925.
Sulphur and sulphur products. Colloidal Sulphur Corporation. 197,507; Apr. 21; Serial No. 205,861; published Jan. 27, 1925.
Tonic. Thorone Corporation. 197,759; Apr. 21; Serial No. 204,730; published Feb. 3, 1925.
Welding compound. J. Swanson. 197,515; Apr. 21; Serial No. 206,136; published Feb. 3, 1925.

CLASS 8.

Cigar, cigarette, and match cases. Cordova Shops, Inc. 197,738; Apr. 21; Serial No. 206,606; published Feb. 3, 1925.
Pipes, cigar and cigarette holders, Tobacco. Ben Wade. 197,680; Apr. 21; Serial No. 197,571; published Feb. 3, 1925.

CLASS 9.

Ignition pellets used with gripping devices for same. Phos A.-G. 197,647; Apr. 21; Serial No. 201,856; published Feb. 3, 1925.
Matches. M. M. Kallman. 197,714; Apr. 21; Serial No. 207,020; published Feb. 3, 1925.
Matches. Landgren & Co. 197,677; Apr. 21; Serial No. 196,961; published Feb. 3, 1925.
Powders which burn with colored flames for pyrotechnical purposes. J. C. Huthwelker. 197,718; Apr. 21; Serial No. 206,900; published Feb. 3, 1925.
Shells and wads, Shotgun. Peters Cartridge Company. 197,695; Apr. 21; Serial No. 205,708; published Feb. 3, 1925.

CLASS 10.

Land plaster. Certain-teed Products Corporation. 197,494; Apr. 21; Serial No. 205,992; published Jan. 27, 1925.

CLASS 12.

Cement and stucco, Building. Firestone Stucco Company. 197,638; Apr. 21; Serial No. 203,564; published Jan. 27, 1925.
Cement, Portland. Glens Falls Portland Cement Co. 197,616; Apr. 21; Serial No. 205,870; published Jan. 27, 1925.
Paper products. Regenstein-Veeder Company. 197,764; Apr. 21; Serial No. 204,328; published Jan. 27, 1925.
Paving materials of asphalt. United States Asphalt Refining Company. 197,589; Apr. 21; Serial No. 206,384; published Feb. 3, 1925.
Plaster. Asbestos Limited. 197,771; Apr. 21; Serial No. 205,101; published Jan. 27, 1925.
Plaster. Asbestos Limited. 197,773; Apr. 21; Serial No. 205,102; published Jan. 27, 1925.
Plastering material, Finish-coat. Ash Grove Lime and Portland Cement Company. 197,689; Apr. 21; Serial No. 203,708; published Jan. 27, 1925.
Roofing Sheet. Commercial Selling Co. 197,747; Apr. 21; Serial No. 180,525; published Jan. 8, 1924.

CLASS 13.

Bathroom fixtures. Woodward-Wanger Company. 197,600; Apr. 21; Serial No. 189,179; published Jan. 27, 1925.
Choker hooks, bull hooks, and ferrules. Mill & Mine Supply Company. 197,803; Apr. 21.
Door hangers and overhead tracking, Sliding-. Coburn Trolley Track Manufacturing Company. 197,782; Apr. 21.
Door knobs and metal pipe fittings. Dirigold Corporation. 197,736; Apr. 21; Serial No. 192,964; published Feb. 3, 1925.
Furniture slides. Berbecker & Rowland Mfg. Co. 197,594; Apr. 21; Serial No. 172,317; published Dec. 11, 1923.
Pie-juice savers. F. B. Keyes. 197,635; Apr. 21; Serial No. 203,276; published Feb. 10, 1925.
Shade rollers and fittings, Spring. Stewart Hartshorn Co. 46,050; renewed Sept. 5, 1925.
Sprinklers, Lawn. Skinner Irrigation Company. 197,627; Apr. 21; Serial No. 206,197; published Feb. 3, 1925.

CLASS 14.

Anchors. Admiral Anchor Company. 44,801; renewed July 25, 1926.
Babbitt metal. American Crucible Products Co. 197,740; Apr. 21; Serial No. 188,622; published Feb. 10, 1925.
Rail anchors and anticreepers. P & M Company. 197,774–5; Apr. 21.
Rods, wire, sheets, and castings of nonferrous metals. T. B. Conklin Brass & Copper Co. 197,682; Apr. 21; Serial No. 200,711; published Feb. 3, 1925.
Steel forgings, rail anchors, rail-anchor springs, etc. Canton Forge & Axle Company. 197,761; Apr. 21; Serial No. 204,765; published Feb. 3, 1925.

CLASS 15.

Lubricants, Spring. Gripite Company. 197,683; Apr. 21; Serial No. 197,932; published Nov. 25, 1924.
Oils, gasoline, etc., Lubricating. Tide Water Oil Company. 197,753; Apr. 21; Serial No. 152,402; published Oct. 18, 1921.

CLASS 16.

Bronzing liquid, raw linseed oil, spirits of turpentine. Owl Drug Company. 197,651; Apr. 21; Serial No. 201,098; published Feb. 3, 1925.
Carbon black. Union Power Company. 197,572; Apr. 21; Serial No. 206,500; published Feb. 10, 1924.
Paints and varnishes. Remlen & Kuhnert Co. 197,806; Apr. 21.

CLASS 19.

Automobile bumpers. American Autoparts Company. 197,710; Apr. 21; Serial No. 205,306; published Jan. 27, 1925.
Brake shafts, geared brakes, etc., Drop. Union Railway Equipment Co. 197,646; Apr. 21; Serial No. 201,866; published Jan. 27, 1925.
Carriages, Baby and doll. Robinson-Hallum Manufacturing Company. 197,544; Apr. 21; Serial No. 203,204; published Jan. 20, 1925.
Vehicles, Mirrors for motor. Kalco Stamping Company. 197,613; Apr. 21; Serial No. 205,761; published Jan. 27, 1925.

CLASS 21.

Radio receiving sets. H. T. Schiff. 197,737; Apr. 21; Serial No. 190,272; published Apr. 8, 1924.

CLASS 23.

Automobiles and autotrucks, Lubricating systems for. E. H. Haney. 197,750; Apr. 21; Serial No. 176,468; published Feb. 3, 1925.
Axes, hatchets, adzes, machetes, etc. Collins Company. 197,702; Apr. 21; Serial No. 205,514; published Feb. 3, 1925.
Churns, cow milkers, cream separators, etc. D. H. Burrell & Co. 197,783; Apr. 21.
Duplicating machines. Ditto, Incorporated. 197,480; Apr. 21; Serial No. 204,999; published Jan. 27, 1925.
Engine primers, Gas-. Stago Co. 197,478; Apr. 21; Serial No. 205,372; published Jan. 27, 1925.
Engines, coal chutes, dies, etc., Internal-combustion. Wright Machine Company. 197,530; Apr. 21; Serial No. 201,476; published Feb. 3, 1925.
Engines, Traction and internal combustion. Advance-Rumely Company. 197,785; Apr. 21.
Friction-driving and holding mechanisms. C. McPherson. 197,525; Apr. 21; Serial No. 204,106; published Jan. 27, 1925.
Fruit treating and handling machinery. Brogdex Company. 197,576; Apr. 21; Serial No. 206,474; published Feb. 10, 1925.
Gears, Timing. Dalton & Balch, Inc. 197,745; Apr. 21; Serial No. 183,557; published Feb. 10, 1925.
Grading machines, Road-. Russell Grader Manufacturing Company. 197,752; Apr. 21; Serial No. 169,085; published Feb. 6, 1928.
Knives, Machine. Simonds Saw and Steel Company. 197,551; Apr. 21; Serial No. 204,838; published Jan. 27, 1925.
Machines and tools. Nestor Manufacturing Co. 197,595; Apr. 21; Serial No. 182,479; published Jan. 27, 1925.
Mills, Cane. Buffalo Forge Company. 197,622; Apr. 21; Serial No. 205,990; published Feb. 10, 1925.
Nut-cracking tool. A. C. Guhl. 197,670; Apr. 21; Serial No. 203,567; published Jan. 27, 1925.
Oil and gas separators. Smith Separator Company. 197,762; Apr. 21; Serial No. 204,792; published Feb. 3, 1925.
Paper cups, Machines for making. American Cuptor Corporation. 197,496; Apr. 21; Serial No. 205,974; published Jan. 27, 1925.
Planters and drills, Corn. D. M. Sechler Carriage Company. 46,021; renewed Sept. 5, 1925.
Pumps and hydraulic machinery, Power. Aldrich Pump Co. 197,800; Apr. 21.
Railway-track jacks and jacks for general lifting purposes. Verona Tool Works. 197,704; Apr. 21; Serial No. 205,456; published Feb. 10, 1925.
Sewing machines. Universal Art Stitch Machine Limited. 197,726; Apr. 21; Serial No. 206,812; published Feb. 10, 1925.
Sharpeners, Knife. Ace Hardware Mfg. Corp'n. 197,620; Apr. 21; Serial No. 205,972; published Feb. 3, 1925.
Shovels. H. M. Myers Company. 46,063; renewed Sept. 5, 1925.
Straps, Pick-arm. E. H. Jacobs Manufacturing Company. 197,807; Apr. 21.
Tools and tool handles. Columbus Handle & Tool Corporation. 197,808; Apr. 21.
Valves, pumps, etc., Pump. Axelson Machine Company. 197,686; Apr. 21; Serial No. 198,978; published Feb. 3, 1925.

CLASS 25.

Locks. Triple Metals Corporation. 197,797; Apr. 21.

CLASS 26.

Dispensing machines. Arnold Electric Co. 197,779; Apr. 21.
Hydrometers, Syringe. Scranton Glass Instrument Company. 197,553; Apr. 21; Serial No. 204,790; published Jan. 27, 1925.
Paper testers, Scientific. Louis Schopper. 197,727; Apr. 21; Serial No. 206,806; published Feb. 10, 1925.

Picture films, Motion-. Ideal Films, Ltd. 197,528; Apr. 21; Serial No. 197,883; published Jan. 27, 1925.
Pictures, Moving. Rayart Pictures Corporation. 197,467; Apr. 21; Serial No. 205,550; published Feb. 3, 1925.
Pumps, etc., Self-measuring oil and grease. Bennett Injection Company. 197,533; Apr. 21; Serial No. 188,228; published Jan. 27, 1925.
Thermometer cases. Julius Schmid, Inc. 197,732; Apr. 21; Serial No. 206,642; published Feb. 10, 1925.
Weighing machines and parts thereof. E. and T. Fairbanks and Company. 197,805; Apr. 21.

CLASS 27.

Clocks. Ansonia Clock Company. 44,585; renewed July 11, 1925.

CLASS 30.

Crockery, china, and pottery. Nathan Straus & Sons, Inc. 197,685; Apr. 21; Serial No. 198,971; published Feb. 3, 1925.

CLASS 32.

Bed springs and like structures for beds. Kinney-Rome Company. 197,742; Apr. 21; Serial No. 188,016; published Feb. 3, 1925.
Furniture. Blue Ridge Hickory Furniture Company. 197,709; Apr. 21; Serial No. 205,309; published Feb. 3, 1925.
Furniture, Household. Abraham & Straus, Inc. 197,744; Apr. 21; Serial No. 186,093; published Feb. 3, 1925.
Furniture, Household. Lansburgh & Bro., Inc. 197,751; Apr. 21; Serial No. 173,897; published Feb. 3, 1925.

CLASS 33.

Glass tube. Sowrite, Inc. 197,715; Apr. 21; Serial No. 206,980; published Feb. 3, 1925.
Glassware. C. J. Dierckx. 197,731; Apr. 21; Serial No. 206,611; published Feb. 3, 1925.

CLASS 34.

Lamp shades. T. D. Whitney Company. 197,694; Apr. 21; Serial No. 205,721; published Jan. 27, 1925.
Stovepipe. Wheeling Corrugating Company. 197,784; Apr. 21; Serial No. 167,499; published Feb. 3, 1925.

CLASS 35.

Belts, Cigarette. Southern Endless Belt Company. 197,590; Apr. 21; Serial No. 205,299; published Feb. 3, 1925.
Packings for parts of machinery and mechanical devices. Greene, Tweed & Co. 197,614; Apr. 21; Serial No. 206,825; published Jan. 27, 1925.

CLASS 37.

Paper, Bond. Parker, Stone & Baird Co. 197,811; Apr. 21.
Paper, Ledger, bond, linen, bristol-board, and writing. Whiting Paper Company. 46,171; renewed Sept. 5, 1925.
Paper, Ledger, bond, linen, bristol-board, and writing. Whiting Paper Company. 46,440; renewed Sept. 19, 1925.
Paper, Wrapping. Hummel-Ross Fibre Corporation. 197,538; Apr. 21; Serial No. 197,377; published Nov. 11, 1924.
Stamping machines, Automatic. G. G. Mevi. 197,609; Apr. 21; Serial No. 198,815; published Dec. 2, 1924.

CLASS 38.

Books containing puzzles. J. E. Austrian. 197,621; Apr. 21; Serial No. 205,983; published Feb. 3, 1925.
Cards, Greeting. Rust Craft Pub. Inc. 197,625; Apr. 21; Serial No. 206,192; published Feb. 3, 1925.
Catalogues. H. & L. Epstein, Inc. 197,765; Apr. 21; Serial No. 204,956; published Feb. 3, 1925.
Comic strips. Bonnet-Brown Corporation. 197,510; Apr. 21; Serial No. 206,719; published Feb. 3, 1925.
Magazine. Bohemian Magazine Company. 197,768; Apr. 21; Serial No. 204,992; published Feb. 3, 1925.
Magazine, Bimonthly. Mattison Machine Works. 197,617; Apr. 21; Serial No. 205,938; published Feb. 3, 1925.
Magazine, Monthly. Constructive Publishing Corporation. 197,629; Apr. 21; Serial No. 206,278; published Feb. 3, 1925.
Newspaper articles. Consolidated Press Association. 197,708; Apr. 21; Serial No. 205,473; published Feb. 3, 1925.
Newspaper publications, Title for cartoons in. Associated Editors Inc. 197,659; Apr. 21; Serial No. 200,798; published Feb. 10, 1925.
Photograph. News Syndicate Co. 197,511; Apr. 21; Serial No. 206,586; published Feb. 3, 1925.
Photographs. News Syndicate Co. 197,589; Apr. 21; Serial No. 206,587; published Feb. 3, 1925.
Photographs and pictures, Perry Photo Novelty Corporation. 197,764; Apr. 21; Serial No. 204,930; published Feb. 3, 1925.
Publications, Periodical. Norristown Hosiery Mills. 197,887; Apr. 21; Serial No. 199,180; published Jan. 20, 1925.

CLASS 39.

Aprons, bibs, fabric ribbons, scarfs, and bathing caps. Vernart Manufacturing Corporation. 197,571; Apr. 21; Serial No. 206,501; published Feb. 3, 1925.
Athletic and sports clothing. John Wanamaker Philadelphia. 197,578–9; Apr. 21; Serial Nos. 206,464–5; published Feb. 3, 1925.
Athletic and sports clothing. John Wanamaker, Philadelphia. 197,580; Apr. 21; Serial No. 206, 462; published Feb. 3, 1925.
Bibs, hats, bonnets, dresses, etc. K. Arlington. 197,545; Apr. 21; Serial No. 203,397; published Jan. 27, 1925.
Breeches, Hiking and riding. P. G. Wright. 197,584; Apr. 21; Serial No. 188,730; published Jan. 27, 1925.
Clothes, Men's, young men's, and boys'. Chas. Douglis Mack Co. 197,570; Apr. 21; Serial No. 206,583; published Feb. 3, 1925.
Clothes, Working. West-Nelson Mfg. Co. 197,476; Apr. 21; Serial No. 205,879; published Jan. 27, 1925.
Clothing, Boys'. Fordon's Boys' Shops. 197,523; Apr. 21; Serial No. 204,591; published Jan. 27, 1925.
Coats, Infants', children's, and juniors'. Cass & Rosenthal. 197,796; Apr. 21.
Coats, wraps, and tailored dresses, Ladies'. Gidding & Co. 197,793; Apr. 21.
Collars and shirts. Hall, Hartwell & Co. 197,719–21; Apr. 21; Serial Nos. 206,844–6; published Feb. 3, 1925.
Collars and shirts. Hall, Hartwell & Co. 197,722; Apr. 21; Serial No. 206,842; published Feb. 3, 1925.
Collars and shirts. Hall, Hartwell & Co. 197,723–5; Apr. 21; Serial No. 206,838–40; published Feb. 3, 1925.
Collars, neckbands for shirts, and negligee shirts. Jacob Miller's Sons Co. 197,618; Apr. 21; Serial No. 205,940; published Feb. 3, 1925.
Dresses. S. L. Hoffman. 197,767; Apr. 21; Serial No. 204,965; published Feb. 3, 1925.
Dresses, sweaters, and suits, Knitted. Peerless Sweater Mills, Inc. 197,686; Apr. 21; Serial No. 199,645; published Feb. 3, 1925.
Furs, skirts, coats, suits, etc. Chas. A. Stevens & Bros. 197,746; Apr. 21; Serial No. 182,445; published Feb. 3, 1925.
Garment for women. Model Brassière Co. 197,542; Apr. 21; Serial No. 201,250; published Jan. 27, 1925.
Garments, Outer. I. Appelbaum. 197,601; Apr. 21; Serial No. 191,119; published Apr. 22, 1924.
Garters. A. Stein & Company. 197,644; Apr. 21; Serial No. 204,207; published Feb. 3, 1925.
Hose, ladies' dresses, underwear, etc. British Celanese Limited. 197,564; Apr. 21; Serial No. 204,084; published Dec. 16, 1924.
Hosiery. Browning Hosiery Mills. 197,606; Apr. 21; Serial No. 205,684; published Feb. 3, 1925.
Hosiery. Donald Company. 197,712; Apr. 21; Serial No. 205,157; published Feb. 3, 1925.
Hosiery. H. T. Fleisher, Incorporated. 197,539; Apr. 21; Serial No. 198,796; published Jan. 27, 1925.
Hosiery. Lido Hosiery Shops, Inc. 197,588; Apr. 21; Serial No. 206,318; published Feb. 3, 1925.
Hosiery. Rick Knitting Co. 197,537; Apr. 21; Serial No. 195,911; published Jan. 27, 1925.
Hosiery. Shreve & Adams, Inc. 197,770; Apr. 21; Serial No. 205,091; published Feb. 3, 1925.
Hosiery and underwear. E. C. Elles. 197,641; Apr. 21; Serial No. 204,019; published Feb. 3, 1925.
Hosiery, Ladies'. E. M. Watkins. 197,642; Apr. 21; Serial No. 204,074; published Feb. 3, 1925.
Hosiery, underwear, and sweaters. S. Cohen. 197,676; Apr. 21; Serial No. 195,947; published Feb. 3, 1925.
Mittens and gloves. Saranac Glove Company. 197,626; Apr. 21; Serial No. 206,193; published Feb. 3, 1925.
Neckties. C. Prosnit. 197,757; Apr. 21; Serial No. 204,670; published Feb. 3, 1925.
Neckties and cravats. Clermont Cravat Company. 197,536; Apr. 21; Serial No. 192,961; published Jan. 27, 1925.
Nightgowns, slips, step-ins, and pyjamas. Barrow Mfg. Co. 197,730; Apr. 21; Serial No. 206,054; published Feb. 3, 1925.
Overcoats and raincoats, and coats for women and children, Men's. Craiburn, Inc. 197,716–17; Apr. 21; Serial Nos. 206,944–5; published Feb. 3, 1925.
Robes, gowns, wraps, furs, etc. J. D'Etrellis. 197,786; Apr. 21.
Shirts, Work, Salant & Salant, Inc. 197,512; Apr. 21; Serial No. 206,436; published Jan. 27, 1925.
Shoes. J. Lombardo. 197,573; Apr. 21; Serial No. 206,486; published Feb. 3, 1925.
Soles. Alfred Hale Rubber Company. 197,529; Apr. 21; Serial No. 202,012; published Jan. 27, 1925.
Soles and half soles. Laing, Harrar & Chamberlin. 197,628; Apr. 21; Serial No. 206,244; published Feb. 3, 1925.
Stockings. Finery Silk Stocking Co. 197,526; Apr. 21; Serial No. 204,021; published Jan. 27, 1925.
Suits. Boyd-Richardson Co. 197,550; Apr. 21; Serial No. 204,851; published Dec. 23, 1924.
Suits. Miranda Hermanos. 197,548; Apr. 21; Serial No. 202,513; published Jan. 27, 1925.
Suits and overcoats. J. Stern & Sons, Inc. 197,799; Apr. 21.
Suits and overcoats, Men's. H. G. Hyman. 197,729; Apr. 21; Serial No. 206,735; published Feb. 3, 1925.

Suits, Children's play. John Scowcroft & Sons Co. 197,707; Apr. 21; Serial No. 205,366; published Feb. 3, 1925.
Suits, coats, vests, etc., Men's. Triplewear Corporation. 197,637; Apr. 21; Serial No. 203,492; published Feb. 3, 1925.
Underwear and night apparel, Women's. Warner Brothers Company. 197,535; Apr. 21; Serial No. 189,993; published Jan. 27, 1925.
Underwear, Women's. R. Lowenbaum Manufacturing Company. 197,705; Apr. 21; Serial No. 205,426; published Feb. 3, 1925.
Union suits, shirts, and drawers, etc., Children's sleepers and pyjamas. I. Panitz. 197,706; Apr. 21; Serial No. 205,584; published Feb. 3, 1925.

CLASS 40.

Buttons. G. F. Berkander. 197,587; Apr. 21; Serial No. 206,830; published Feb. 3, 1925.
Elastic webs, Narrow. Geo. S. Colton Elastic Web Co. 197,649; Apr. 21; Serial No. 201,221; published Feb. 3, 1925.
Pins, Safety. Consolidated Safety Pin Company. 46,234; renewed Sept. 12, 1925.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 197,692; Apr. 21; Serial No. 200,665; published Feb. 3, 1925.
Cloths, bath mats, bedspreads, etc., Face. A. S. Herrmann, Inc. 197,661; Apr. 21; Serial No. 201,402; published Feb. 3, 1925.
Cotton, and silk and cotton fabrics. H. R. Kurts & Co. 197,466; Apr. 21; Serial No. 205,607; published Feb. 3, 1925.
Cotton piece goods. American Bleached Goods Company. 197,612; Apr. 21; Serial No. 199,767; published Feb. 3, 1925.
Cotton piece goods. "Brand & Appenheimer, Incorporated. 197,672; Apr. 21; Serial No. 203,716; published Feb. 3, 1925.
Cotton piece goods. Calico Printers' Association, Limited. 197,624; Apr. 21; Serial No. 206,110; published Feb. 3, 1925.
Cotton piece goods. John Farnum Co. 197,766; Apr. 21; Serial No. 204,958; published Feb. 3, 1925.
Cotton piece goods. Harris Company. 197,506; Apr. 21; Serial No. 206,872; published Feb. 3, 1925.
Cotton piece goods. Hunter Manufacturing & Commission Co. 197,665; Apr. 21; Serial No. 201,755; published Feb. 10, 1925.
Cotton piece goods. Hunter Manufacturing & Commission Co. 197,666; Apr. 21; Serial No. 201,753; published Feb. 10, 1925.
Cotton piece goods. Liberty & Co. Limited. 197,689; Apr. 21; Serial No. 200,001; published Feb. 3, 1925.
Cotton, silk, and woolen piece goods. Bradford Dyeing Association, (U. S. A.) 197,540; Apr. 21; Serial No. 199,526; published Feb. 3, 1925.
Fabrics. J. H. Lane & Company. 197,557; Apr. 21; Serial No. 204,558; published Feb. 3, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 197,495; Apr. 21; Serial No. 205,986; published Feb. 3, 1925.
Hair nets. Trans-Pacific Sales Company. 197,531; Apr. 21; Serial No. 157,189; published Feb. 3, 1925.
Linen, towels, sheets, etc., Table. T. D. Whitney Company. 197,485; Apr. 21; Serial No. 205,720; published Feb. 3, 1925.
Pillowcases, bed spreads, doilies, etc. Everick Manufacturing Co. 197,669; Apr. 21; Serial No. 203,114; published Feb. 3, 1925.
Plushes in the piece, Cotton. Philadelphia Tapestry Mills. 197,790; Apr. 21.
Rugs. Pennsylvania Working Home for Blind Men. 197,503; Apr. 21; Serial No. 205,887; published Feb. 3, 1925.
Shade fabrics, Window. Joseph Bancroft & Sons Co. 45,092; renewed Aug. 8, 1925.
Shade fabrics, Window. Joseph Bancroft & Sons Co. 45,740; renewed Aug. 29, 1925.
Sheetings and drillings. Enterprise Mfg. Co. 46,313; renewed Sept. 12, 1925.
Silk and wool knitted cloth, Artificial-. Banner Silk Knitting Mills, Inc. 197,541; Apr. 21; Serial No. 200,802; published Feb. 3, 1925.
Silk piece goods. Empire Silk Company. 197,509; Apr. 21; Serial No. 206,890; Feb. 10, 1925.
Silk piece goods. Pressman-Gutman Silk Co. 197,532; Apr. 21; Serial No. 180,492; published Feb. 3, 1925.
Silk piece goods. Stehli Silk Corporation. 197,477; Apr. 21; Serial No. 205,874; published Feb. 3, 1925.
Wall-covering fabrics. H. B. Wiggin's Sons Co. 197,664; Apr. 21; Serial No. 201,729; published Feb. 3, 1925.
Woolen goods. S. Stein & Co. 197,611; Apr. 21; Serial No. 199,581; published Feb. 3, 1925.
Woolen piece goods. Co-Operative Wholesale Society, Limited. 197,650; Apr. 21; Serial No. 201,124; published Feb. 3, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 197,555; Apr. 21; Serial No. 204,598; published Feb. 3, 1925.

CLASS 43.

Cotton, skein linen, knitting yarns, etc., Crochet. T. D. Whitney Company. 197,693; Apr. 21; Serial No. 205,722; published Feb. 3, 1925.
Thread, Embroidery. J. B. Kaufman. 197,574; Apr. 21; Serial No. 206,484; published Feb. 3, 1925.

CLASS 44.

Arch supports and parts thereof, toe separators and straighteners, etc. Scholl Manufacturing Company. 197,623; Apr. 21; Serial No. 206,091; published Feb. 3, 1925.
Belts, trusses, etc., Abdominal. J. J. Mackerpan. 197,675; Apr. 21; Serial No. 195,018; published Feb. 10, 1925.
Chlorine gas, Materials and apparatus for treating colds, etc., with. J. H. S Ellis; 197,615; Apr. 21; Serial No. 205,883; published Feb. 3, 1925.
Dental casts, forms, models of teeth, etc. Columbia Dental & X-ray Corporation. 197,636; Apr. 21; Serial No. 203,370; published Feb. 10, 1925.
Medicinal treatment by chlorine uses, Apparatus for. General Drug Company. 197,763; Apr. 21; Serial No. 204,902; published Feb. 3, 1925.
Nipples. Rubber nursing. United Drug Company. 197,772; Apr. 21; Serial No. 205,143; published Feb. 3, 1925.
X-Ray shoe fitting machines. Sorgel Electric Company. 197,781; Apr. 21.

CLASS 45.

Beverage. Keen Kola Manufacturing Co. 197,802; Apr. 21.

CLASS 46.

Biscuits and crackers. Tru-Blu Biscuit Company. 197,464; Apr. 21; Serial No. 205,842; published Jan. 20, 1925.
Butter and eggs. Dengler & Moehring. 197,648; Apr. 21; Serial No. 201,742; published Jan. 27, 1925.
Butter, Sandwich. J. B. Twohey. 197,610; Apr. 21; Serial No. 197,460; published Feb. 3, 1925.
Butter, Vegetable. Nucoa Butter Company. 46,067; renewed Sept. 5, 1925.
Candy. Schwars & Son. 197,597; Apr. 21; Serial No. 187,442; published Feb. 3, 1925.
Canned fish and fruits. R. E. Cotter Company. 197,777; Apr. 21.
Canned fish and fruits, jams, coffee, tea, olives, chili sauce, etc. Des Moines Wholesale Grocer Co. 197,673; Apr. 21; Serial No. 194,437; published Feb. 3, 1925.
Canned foods. Angus Watson & Company Limited. 197,668; Apr. 21; Serial No. 202,648; published Feb. 3, 1925.
Canned foods. Martin Wagner Company. 197,795; Apr. 21.
Canned fruits. John C. Morgan Company. 197,809; Apr. 21.
Canned fruits and vegetables. R. C. Williams & Co. 46,240; renewed Sept. 12, 1925.
Canned shrimp, rolled oats, cocoa, etc. Oppenheim-McEwan Co. 197,633; Apr. 21; Serial No. 202,886; published Feb. 3, 1925.
Canned tomatoes. Utah Canning Company. 197,604; Apr. 21; Serial No. 192,868; published Jan. 27, 1925.
Cheese. Muther & Cie. 197,640; Apr. 21; Serial No. 203,740; published Feb. 3, 1925.
Cocoa, chocolate, jams, confectionery, etc. Burk & Braun. 197,682; Apr. 21; Serial No. 197,655; published Feb. 3, 1925.
Cocoa, coffee, tea, and rice. S. A. Schonbrunn. 197,603; Apr. 21; Serial No. 192,098; published Feb. 3, 1925.
Coffee. Briner-Null Coffee Company. 197,607; Apr. 21; Serial No. 197,062; published Jan. 27, 1925.
Coffee, tea, shredded coconut, dried fruits, etc. John Sexton and Company. 197,743; Apr. 21; Serial No. 187,776; published Feb. 3, 1925.
Cookies, cakes, and wafers. Paul Schulze Biscuit Co. 197,699–701; Apr. 21; Serial No. 205,555–7; published Jan. 20, 1925.
Extracts, Malt. K. M. & S. Products Co. 197,660; Apr. 21; Serial No. 201,294; published Jan. 20, 1925.
Feed, Prepared stock. Moorman Mfg. Co. 197,691; Apr. 21; Serial No. 200,404; published Feb. 3, 1925.
Flour and breakfast cereals, Wheat. Fisher Flouring Mills Company. 197,681; Apr. 21; Serial No. 197,598; published Feb. 3, 1925.
Flour, bread, and cakes, Wheat. Youma (England) Ltd. 197,634; Apr. 21; Serial No. 203,065; published Jan. 13, 1925.
Flour, Pastry. M. J. Reeves. 197,755; Apr. 21; Serial No. 204,474; published Feb. 3, 1925.
Flour, Wheat. D. M. Baldwin, Jr. 45,018; renewed Aug. 1, 1925.
Flour, Wheat. B. Christoffers. 197,787; Apr. 21.
Flour, Wheat. Hecker-Jones-Jewell Milling Company. 197,596; Apr. 21; Serial No. 183,292; published Feb. 12, 1924.
Food compound. Amos-James Grocer Co. 197,605; Apr. 21; Serial No. 193,883; published Feb. 3, 1925.
Fruits, Fresh citrous. Redlands Heights Groves, Inc. 197,728; Apr. 21; Serial No. 206,803; published Feb. 3, 1925.

Gum, Chewing. Vitamine Gum Co. 197,776; Apr. 21.
Ice-cream cones. W. H. Schmidt. 197,778; Apr. 21.
Lunches. E. M. Eba. 197,792; Apr. 21.
Mayonnaise. A. E. Wright Company. 197,619; Apr. 21; Serial No. 205,971; published Feb. 3, 1925.
Milk and cream. Ginter Company. 197,690; Apr. 21; Serial No. 200,391; published Feb. 3, 1925.
Milk, Condensed and evaporated. Bartram Bros., Inc. 197,546; Apr. 21; Serial No. 203,712; published Feb. 3, 1925.
Oil, Olive. Brewer & Company. 197,658; Apr. 21; Serial No. 200,424; published Feb. 3, 1925.
Sausage. E. D. Coon. 197,788; Apr. 21.
Sausage. G. H. Hammond Company. 197,810; Apr. 21.
Sirup, Corn. Union Starch & Refining Company. 197,527; Apr. 21; Serial No. 203,917; published Jan. 27, 1925.
Sirup for food purposes, Concentrated hop. R. Gould. 197,758; Apr. 21; Serial No. 204,705; published Feb. 3, 1925.
Soy sauce. C. Matsuoka. 197,708; Apr. 21; Serial No. 205,343; published Feb. 3, 1925.
Tea, coffee, spices, chocolate, and sweetmeats. Supex Limited. 197,756; Apr. 21; Serial No. 204,639; published Feb. 3, 1925.
Wafers, Sugar. Loose-Wiles Biscuit Company. 197,674; Apr. 21; Serial No. 194,552; published Feb. 3, 1925.

CLASS 48.

Beer, Lager. Arnholt & Schaefer Brewing Company. 46,481; renewed Sept. 19, 1925.

CLASS 49.

Whisky. A. R. Fiorita. 197,606; Apr. 21; Serial No. 194,344; published July 29, 1924.
Whisky. Old Grand-Dad Dist'y. Co. 45,508; renewed Aug. 22, 1925.

CLASS 50.

Cotton and rubber cloth, Mixed. S. H. Shoninger. 197,678; Apr. 21; Serial No. 197,464; published Jan. 27, 1925.
Eggs, Lime nest. American Crayon Company. 197,697; Apr. 21; Serial No. 205,577; published Jan. 13, 1925.
Garment hangers. W. M. P. Tarr. 197,789; Apr. 21.
Leather, Imitation. Burkhardt Company. 197,643; Apr. 21; Serial No. 204,155; published Jan. 27, 1925.
Tents, hatch covers, etc. Seattle Tent & Awning Co. 197,741; Apr. 21; Serial No. 188,065; published Jan. 27, 1925.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 2.

Cartons, shipping boxes, and containers. Jackson Box Company. 209,128; Apr. 21.
Mail sacks, coal bags, etc. Wm. E. Hooper & Sons Co. 209,662; Apr. 21.
Paper Drinking cups and dispensers therefor. Kalix Cup Company. 201,665; Apr. 21,.

CLASS 3.

Trunks, bags, and suitcases. Ely & Walker Dry Goods Company. 208,646; Apr. 21.

CLASS 4.

Dusting cloths. Imperial Auto Products Company. 202,065; Apr. 21.
Polishing compounds. A. Lowrey. 206,971; Apr. 21.
Shoe dressing. G. Economy. 203,312; Apr. 21.
Soaps. Newton, Chambers & Co. 203,088; Apr. 21.
Washing powder, Borate. Liverpool Borax Co. 186,144; Apr. 21.

CLASS 5.

Compositions for use as adhesives. D. B. Macdonald. 184,085; Apr. 21.
Tires against punctures, Compound for sealing. Noflat Company. 209,681; Apr. 21.

CLASS 6.

Albuminates, albumoses, etc. A. E. F. Weidner. 195,575; Apr. 21.
Albuminates, albumoses, etc. E. Weidner. 195,608; Apr. 21.
Anodyne. Lehn & Fink, Inc. 210,473; Apr. 21.
Antiphlogistic, antipruritic, antiseptic. Lehn & Fink, Inc. 210,464; Apr. 21.
Antiseptic. Lehn & Fink, Inc. 210,463; Apr. 21.
Antiseptic and deodorant. Lehn & Fink, Inc. 210,486; Apr. 21.
Antiseptic solution. Lehn & Fink, Inc. 210,460; Apr. 21.
Bath crystals, Mineral. Capital Drug Company. 210,826; Apr. 21.
Bay rum. Lehn & Fink, Inc. 210,458; Apr. 21.
Bleaching fluid. American Kloro Products Co. 210,780; Apr. 21.
Capsules for headaches and neuralgia. M. M. Nassar. 210,974; Apr. 21.
Desulphurizing and refining agent for cast iron, etc. Mathieson Alkali Works. 210,496; Apr. 21.
Dyes and dyestuffs. L. Aronson. 208,946; Apr. 21.
Gases, Compressed. Carbide & Carbon Chemicals Corporation. 207,445–7; Apr. 21.
Glue preserver. Lysol, Inc. 210,488; Apr. 21.
Hair coloring. J. Lesquendieu. 210,798; Apr. 21.
Hair tonic. American Booster Company. 210,698; Apr. 21.
Incense. Lehn & Fink, Inc. 210,477; Apr. 21.
Insecticide. Lehn & Fink, Inc. 210,472; Apr. 21.
Liniment. Edward Wesley & Co. 210,938; Apr. 21.
Medicine for constipation, headache, etc. A. P. Kessler. 210,734; Apr. 21.
Medicine for rheumatism, sciatica, paralysis, etc. Fregger-Fox Drug Company. 210,898; Apr. 21.
Medicines for colds, grippe, and influenza. C. H. Oertel. 206,856; Apr. 21.
Oil, Cod-liver. Lehn & Fink, Inc. 210,474; Apr. 21.
Oils, Essential. Heine & Co. 210,903; Apr. 21.
Ointment. Lehn & Fink, Inc. 210,476; Apr. 21.
Perfume, toilet water, face powder, etc. L. de Roquefeuil. 210,536; Apr. 21.
Perfume, toilet water, face powder, etc. J. Lesquendieu. 210,799; Apr. 21.
Perfumes, toilet powder, and toilet water. E. H. Tatum. 200,148; Apr. 21.
Perfumes, toilet waters, face powder, etc. Coty, Inc. 210,785; Apr. 21.
Pharmaceutical product. R. Pagni. 208,718; Apr. 21.
Pine-needle extract. Lehn & Fink, Inc. 210,465; Apr. 21.
Polishes, Nail. J. Lesquendieu. 210,796; Apr. 21.
Powder and lotion, tooth paste, Face. Florian Inc. 210,788; Apr. 21.
Powders and perfume. Henry Tetlow Company. 210,588; Apr. 21.
Powders, creams, rouge, etc. J. R. Watkins Company. 210,936; Apr. 21.
Powders, Face. Parfumerie Rigaud, Inc. 210,980; Apr. 21.
Preparation for biliousness and constipation. E. Siebel. 210,760; Apr. 21.
Preparation for deodorizing shoes. Pede-Kumfo Co. 210,855; Apr. 21.
Preparation for hair dressing and grower, shampoo, drandruff, and itching scalp. Miller Pharmacy Co. 210,916; Apr. 21.
Preparation for stomach, throat, and lungs, chronic coughs, etc. D. Wróblewski. 210,639; Apr. 21.
Remedy for corns, calli, and bunions. Corn Fix Co. 210,447; Apr. 21.
Rouges. J. Lesquendieu. 210,797; Apr. 21.
Scenting preparation. Ungerer & Company. 210,632; Apr. 21.
Silver nucleinate. Lehn & Fink, Inc. 210,470; Apr. 21.
Soap, Green. Lehn & Fink, Inc. 210,478; Apr. 21.
Stain remover and cleaner and nap raiser for fabrics. Reid-Seeley Company. 206,375. Apr. 21.
Testing papers for alcoholic beverages. J. G. Fisher. 210,653; Apr. 21.
Toilet preparations. M. Hawthorne. 208,518; Apr. 21.
Tooth-cleaning preparation. Denta-Glo Laboratory. 210,832; Apr. 21.
Water glass. Lehn & Fink, Inc. 210,475; Apr. 21.

CLASS 8.

Tobacco pouches, humidors, etc. H. L. Rogers Co. 206,977; Apr. 21.

CLASS 9.

Matches, Safety. E. Pohl. 206,801; Apr. 21.
Sparklers, sun wheels, torpedoes, etc. Victory Sparkler & Specialty Company. 208,366; Apr. 21.

CLASS 12.

Insulating material. Illinois Asbestos Products Company. 209,686. Apr. 21.
Insulating material. Illinois Asbestos Products Company. 209,688; Apr. 21.
Roofing, Asphalt. Johns-Manville, Incorporated. 209,577; Apr. 21.

CLASS 15.

Gasoline. C. W. Dietrich. 208,513; Apr. 21.
Gasoline, kerosene, and lubricating oils and greases. Vulcan Oil Refining Company. 189,285; Apr. 21.
Gasoline, kerosene, lubricating oil, and greases. M. J. Trazivuk. 207,534; Apr. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 16.

Japan colors, varnishes, paints, etc. Ditzler Color Co. 209,389; Apr. 21.
Lacquers, paints, varnishes, colors, and undercoatings. C. A. Willey Company. 208,883; Apr. 21.
Oil, turpentine, paints, etc., Linseed. Hall Paint Company. 207,565; Apr. 21.
Paint, Ready-mixed. Detroit Graphite Company. 208,229; Apr. 21.
Paints. Droese & Fischer. 206,997; Apr. 21.
Stains, Oil. Marx & Rawolle Inc. 203,887; Apr. 21.
Varnishes, paints, and colors, and dyes used in connection therewith. Rinald Brothers Paint Works, Inc. 206,190; Apr. 21.

CLASS 21.

Batteries, Storage. Joseph Strauss Company. 208,321; Apr. 21.
Electric-iron cord sets, flatirons, toasters, air heaters, and grills. M. Kersten. 207,082; Apr. 21.
Electric-light clusters. M. Propp Co. 191,569; Apr. 21.
Electric sockets. M. Propp Co. 191,570; Apr. 21.
Electric tapes, dry cells, doorbells, etc. L. A. Olmsted. 206,631; Apr. 21.
Electric tools and generator sets for operating same. Chicago Pneumatic Tool Company. 208,509; Apr. 21.
Electric tools for boring, drilling, etc., also generators for operating same. Chicago Pneumatic Tool Company. 209,278; Apr. 21.
Electrical condensers. Dubilier Condenser & Radio Corporation. 197,195; Apr. 21.
Electrical goods for use with electrical apparatus. Safety Electric Products Co. 188,934; Apr. 21.
Electrical insulation compound. General Instrument Corporation. 208,848; Apr. 21.
Electrical rectifiers. Automatic Electrical Devices Company. 192,168; Apr. 21.
Electrical switches. Allen-Bradley Company. 197,126; Apr. 21.
Electrical switches, fuses, insulating compounds, etc. General Electric Company. 196,338; Apr. 21.
Electron-tube amplification units or stages, etc. General Instrument Corporation. 208,849; Apr. 21.
Lightning arresters. D. X. Instrument Company. 207,860; Apr. 21.
Radiodials, Electrical Research Laboratories, Inc. 208,645; Apr. 21.
Radio loud speakers. Radiotive Corporation. 203,006; Apr. 21.
Radio receiving apparatus. C. G. Hall. 202,991; Apr. 21.
Radio receiving sets. National Airphone Corporation. 206,122; Apr. 21.
Radio receiving sets. Resas, Inc. 204,979; Apr. 21.
Radio receiving sets and parts thereof. Musical Products Distributing Co. 208,356; Apr. 21.
Radio receiving sets and parts thereof. Radio Parlor. 206,660; Apr. 21.
Spark plugs. Trampe Spark Plug Co. 208,790; Apr. 21.
Switches. Johns-Pratt Company. 209,849–50; Apr. 21.
Telephone mouthpiece. F. A. Watkins. 208,827; Apr. 21.
Wireless apparatus. Burndept Limited. 193,028; Apr. 21.

CLASS 22.

Toy pistol and target. Convex Sign Co. 206,400; Apr. 21.
Toys, Mechanical. K. B. Noble. 198,667; Apr. 21.

CLASS 23.

Bearings, Lubricating rings for ring-lubricated. Bertrams Limited. 207,338; Apr. 21.
Iron or steel fabricated products. American Stainless Steel Company. 211,646; Apr. 21.
Knives, forks, spoons, scissors, etc. R. Klein. 205,123; Apr. 21.
Motors. Benz & Cie. Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft. 174,995; Apr. 21.
Pocketknives. P. J. Cummings. 210,291; Apr. 21.
Pumps, Electrical engine and belt driven power. Columbus Gear & Pump Company. 209,721; Apr. 21.
Record-writing machines. Permatype Record Writing Machine Company. 210,314; Apr. 21.
Sprayers and parts thereof. Hudson Manufacturing Company. 207,463; Apr. 21.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 210,093; Apr. 21.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 210,096–100; Apr. 21.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 210,102–3; Apr. 21.

CLASS 26.

Photographic paper, Sensitized. Autotype Company. 201,690; Apr. 21.
Picture films, Text motion-. Timely Films, Inc. 189,485; Apr. 21.
Pictures, Moving. Universal Picture Corporation. 210,200; Apr. 21.
Signals. Telometer Manufacturing Company. 188,451; Apr. 21.

CLASS 27.

Watches, watchcases, watch movements and dials. Picard, Hermann & Fils, Alexora Watch Manufactory. 206,975; Apr. 21.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 193,838; Apr. 21.
Watches, watch movements, watchcases, clocks, and parts thereof. Hoffman Bros., Inc. 192,122; Apr. 21.

CLASS 28.

Buttons, Cuff. Art Wire and Stamping Company. 191,250; Apr. 21.

CLASS 29.

Toothbrushes. A. C. Fones. 207,927; Apr. 21.

CLASS 36.

Harps, violins, and similar instruments, Strings for. R. Salerni. 209,002; Apr. 21.
Phonograph records, phonograph apparatus for recording and reproducing sound, etc. Columbia Phonograph Company. 208,127; Apr. 21.
Phonographs. Brunswick-Balke-Collender Company. 209,459; Apr. 21.
Talking machines. Udell Works. 201,117; Apr. 21.

CLASS 37.

Book binders and pages of blank forms for use therein, Blank-. Pfening & Snyder, Inc. 208,866; Apr. 21.
Paper, Handmade. C. H. Boulin. 175,915; Apr. 21.
Paper padding. Kimberly-Clark Company. 209,168; Apr. 21.
Paper, paper towels and napkins, etc., Toilet. H. Stokes. 209,437; Apr. 21.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 200,078–9; Apr. 21.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 200,081–2; Apr. 21.
Pencils, Lead. Eberhard Faber Pencil Company. 208,746; Apr. 21.
Pencils, penholders, and fountain pens. Export Underwriters Corporation. 209,082; Apr. 21.
Rubber stamps, rubber freight-marking type, etc. Barnard Stamp Company. 203,783; Apr. 21.

CLASS 38.

Books and lesson sheets. H. W. Lamb. 206,315; Apr. 21.
Chart of radio stations, Reference. D. S. B. Stannard. 208,785; Apr. 21.
Encyclopedia. W. R. Maxwell. 193,469; Apr. 21.
Labels and signs. J. Maas. 210,067; Apr. 21.
Magazine, Monthly. Doubleday, Page & Co. 210,647; Apr. 21.
Magazines, books, prints, etc. Giles Printing Company. 210,547–8; Apr. 21.
Newspaper, Daily. Houston Chronicle Publishing Co. 209,684; Apr. 21.
Newspaper-strip title. J. C. Mansfield. 210,616; Apr. 21.
Newspaper, Weekly. Independent Publishing Co. 208,408; Apr. 21.
Newspaper, Weekly. Tong Publishing Company. 210,382; Apr. 21.
Periodical. A. Simon. 209,704; Apr. 21.
Periodical, Monthly. Oxweld Acetylene Company. 210,187; Apr. 21.
Photoprints and enlargements. Sell Brothers. 206,330; Apr. 21.
Publication, Monthly. Pollock-Davis Company. 191,340; Apr. 21.

CLASS 39.

Caps. Frank P. Held & Co. 210,615; Apr. 21.
Hosiery. Pettis Dry Goods Co. 210,007; Apr. 21.
Neckties. J. Gropper. 206,350; Apr. 21.
Shirts, Work. Abney-Barnes Company. 210,029; Apr. 21.
Shoes, Men's. R. H. Macy & Co. 210,492; Apr. 21.

CLASS 40.

Laces, Shoe, corset, etc. Matson Lace Tipping Machine Co. 207,585; Apr. 21.
Tape, Bias. C. L. Wetherbee & Son. 207,907; Apr. 21.

CLASS 42.

Cotton piece goods. Sayles Finishing Plants, Inc. 189,526; Apr. 21.
Cotton piece goods. Wilton Manufacturing Company. 205,970; Apr. 21.

CLASS 44.

Sanitary napkins. Fort Howard Paper Company. 180,116; Apr. 21.
Toothpicks. West Side Wholesale Grocery Co. 207,318; Apr. 21.

CLASS 45.

Beverage. Keen Kola Manufacturing Co. 209,352; Apr. 21.
Beverages. California Bottling Works. 209,560; Apr. 21.
Beverages. F. Guyton. 210,660; Apr. 21.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Beverages and sirups for making same. Long Island Beverage Company. 210,241; Apr. 21.
Ginger ale. Jack Frost Beverage Co. 209,351; Apr. 21.
Ginger ale and sirups for making same. Indian Hill Company. 210,667; Apr. 21.

CLASS 46.

Apple butter, canned goods, olive oil, etc. Des Moines Wholesale Grocer Co. 206,882; Apr. 21.
Biscuits, bread, pies, etc. G. F. Jefferson. 205,481; Apr. 21.
Biscuits, crackers, cakes, and cookies. National Biscuit Company. 207,669–70; Apr. 21.
Bread. A. T. Sandison. 208,535; Apr. 21.
Butter. Holland Food Corporation. 210,235; Apr. 21.
Butter and eggs. John Poehlman & Sons. 208,480; Apr. 21.
Butter, Creamery. A. W. Madsen. 208,596; Apr. 21.
Candy. S. Altshuler. 204,385; Apr. 21.
Candy. Candy Bros. Manufacturing Co. 209,021; Apr. 21.
Candy. Euclid Candy Company. 208,901; Apr. 21.
Candy. Palmer Candy Co. 207,824; Apr. 21.
Canned and preserved fruits and berries and condensed, evaporated, and powdered milk. Libby, McNeill & Libby. 208,663; Apr. 21.
Canned goods, relishes, spices, etc. Daniel Grocery Company. 207,974; Apr. 21.
Canned goods, tea, coffee, etc. Moffatt Grocer Co. 203,481; Apr. 21.
Canned sausage. Wagner & Company. 204,210; Apr. 21.
Canned tunny fish and tomato catchup. Fred B. Neuhoff Company. 207,753; Apr. 21.
Cereal breakfast foods. Great Atlantic & Pacific Tea Company. 194,602; Apr. 21.
Cereals. Kenworthy Grain & Milling Co. 192,488; Apr. 21.
Chocolate bars and chocolate-covered fruit bars. M. Shyan. 208,875; Apr. 21.
Chocolate candy bars filled with peanuts. J. A. Curts. 190,091; Apr. 21.
Chocolate peanut candy and candied pop corn. J. S. McKinney. 206,911; Apr. 21.
Chocolates and candies. Park & Tilford. 207,469; Apr. 21.
Cocoa. Klein Chocolate Company. 209,225; Apr. 21.
Coffee, Imitation. O. K. Schroeder. 209,432; Apr. 21.
Crackers, cakes, cookies, etc. Pasadena Biscuit Company. 208,820; Apr. 21.
Crackers, Cream. Pacific Coast Biscuit Company. 209,494; Apr. 21.
Dates. A. Rannou et Cie. 208,067; Apr. 21.
Egg albumen and egg yolk, Powdered. Orbis Products Trading Co. 210,136; Apr. 21.
Feed, Cattle. Blatchford Calf Meal Company. 206,716; Apr. 21.
Feed for animals. Blatchford Calf Meal Company. 207,226; Apr. 21.
Feed, Poultry. Bewley Mills. 209,894; Apr. 21.
Flavoring compound. B. Heller & Company. 210,552; Apr. 21.
Flavoring extracts, spices, nut meats, etc. Robert I. Steen Co. 206,094; Apr. 21.
Flour, Buckwheat. Birkett Mills. 207,839; Apr. 21.
Flour, Self-rising. Aunt Jemima Mills Company. 210,156; Apr. 21.
Flour, Wheat. Ansted & Burk Co. 198,442; Apr. 21.
Flour, Wheat. Bay State Milling Company. 210,033; Apr. 21.
Flour, Wheat. Nebraska Consolidated Mills Company. 210,072; Apr. 21.
Flour, Wheat. Sands, Taylor & Wood Company. 209,003–6; Apr. 21.
Flour, Wheat. Star Milling Company. 207,692; Apr. 21.
Flour, Wheat. Suomen Valtamerentakainen Kauppa Oy. 208,439–40; Apr. 21.
Flour, Wheat. Topeka Flour Mills Company. 203,160; Apr. 21.
Flour, Wheat. Wilcox-Hayes Co. 207,639; Apr. 21.
Fondant or base for use as an icing, fondants, etc. Semiprepared. White-Stokes Co. 207,161; Apr. 21.
Food, Breakfast. A. Grube. 204,906; Apr. 21.
Fruit, Fresh. D. J. McComb. 201,039; Apr. 21.
Gum, Chewing. Listerated Gum Corporation. 209,482; Apr. 21.
Ham. J. Davidson. 205,396; Apr. 21.
Ice-cream containers and ice-cream confections contained in edible containers, Edible. G. T. Parr. 181,861; Apr. 21.
Lard. Louis Meyer Company. 209,487; Apr. 21.
Lemons and fresh pears. James Mills Orchards Corporation. 208,598; Apr. 21.
Marmalades, fresh apples, etc. A. H. Nofsinger. 205,081; Apr. 21.
Meal, flour, mash, and feed. O. G. Whelan. 203,215; Apr. 21.
Nuts, beans, peas, and figs. Bennett Day Importing Company. 208,893; Apr. 21.
Oil, Olive. J. S. Contas Brothers. 209,831; Apr. 21.
Oil, Olive. A. Ferrari. 206,000; Apr. 21.
Oleomargarine. Baltimore Butterine Company. 208,499; Apr. 21.
Potatoes. F. Putnam Co. 209,057; Apr. 21.
Poultry and eggs, Dressed. Peter Fox Sons Co. 197,556; Apr. 21.
Preparation of chocolate or cocoa for beverages. Gillies Coffee Co. 208,757; Apr. 21.
Relishes, Vegetable. Neuman & Schwiers Co. 206,798; Apr. 21.
Salad dressing, French. A. C. Kordick. 207,937; Apr. 21.
Sirup. Mississippi Cane Syrup Co. 210,070; Apr. 21.
Tapioca. Minute Tapioca Company. 209,095; Apr. 21.

CLASS 48.

Malt and hop sirup. 208,260; Apr. 21. Red Top Malt Extract Company.

CLASS 49.

Whisky. Old Grand-Dad Distillery Co. 208,864; Apr. 21.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 21ST DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbott, Henry, East Orange, N. J., assignor to The Calculagraph Company. Fastener for ink ribbons. 1,534,755; Apr. 21.
Abby, Warren L., Watsonville, Calif. Garden-hose support. 1,534,438; Apr. 21.
Acchione, Robert A., Detroit, Mich. Necktie. 1,534,347; Apr. 21.
Acchione, Robert A., Detroit, Mich. Necktie. 1,534,348; Apr. 21.
Adam, Stephen J. (See Markóczi, Emeric, and Adam.)
Adams, Charles G., Joliet, Ill. Hot-water boiler. 1,534,150; Apr. 21.
Ågren, Ivar J. E., and G. Rosenqvist, Uppsala, Sweden. Producing objects with desired outline and surface. 1,534,479; Apr. 21.
Air Reduction Company. (See Metzger, Floyd J., assignor.)
Aktiebolaget Karlstads Mekaniska Verkstad. (See Wagner, R. E., and Ullgren, assignors.)
Albrecht, John, Kewaunee, Wis. Tape-controlled measuring pump. 1,534,349; Apr. 21.
Alexanderson, Ernst F. W., Schenectady, assignor to General Electric Company, New York, N. Y. Electron-discharge device. 1,535,082; Apr. 21.
Allard, J Frank, Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,534,480; Apr. 21.
Allbin, Sim E., assignor to Mayer Life Boat Co. Inc., Seattle, Wash. Lifeboat davit. 1,534,049; Apr. 21.
Allen, Edward B., Newtou, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Machine for sewing round-eye buttonholes. 1,534,017; Apr. 21.
Allgemeine Elektricitäts-Gesellschaft. (See Lasche, Oskar, assignor.)
Allison, Henry H., deceased, Fairmont, Minn.; F. J. Brooker, administrator. Burglarproof device. 1,534,886; Apr. 21.
Allison, John J., Smethport, Pa. Conduit-making machine. 1,534,825; Apr. 21.
Allison, John J., Smethport, Pa. Conduit-making machine. 1,534,826; Apr. 21.
Alston, Oscar W., New Westminster, British Columbia, Canada. Mineral-separating machine. 1,534,481; Apr. 21.
Altgelt, Rudolph J., assignor to Oliver Chilled Plow Works, South Bend, Ind. Riding cultivator. 1,534,675; Apr. 21.
Aluminum Company of America. (See Frary, Francis C., assignor.)
Aluminum Company of America. (See Gabriel, Leo W., assignor.)
Aluminum Company of America. (See Hoopes, William, assignor.)
Aluminum Company of America. (See Hoopes, W., and Frary, assignors.)
Aluminum Company of America. (See Hoopes, W., Frary, and Edwards, assignors.)
Aluminum Company of America. (See Hoopes, W., Edwards, and Horsfield, assignors.)
American Arch Company. (See Willett, Alfred H., assignor.)
American Arch Company. (See Willett, A. H., and Martin, assignors.)
American Automatic Lock and Lift Company. (See Cane, Gordon F., assignor.)
American Can Company. (See Smith, W. A., and Widell, assignors.)
American Can Company. (See Widell, Magnus E., assignor.)
American Car and Foundry Company. (See Ames, Joseph H., assignor.)
American Car and Foundry Company. (See Folmsbee, Clyde H., assignor.)
American Car and Foundry Company. (See Hochberg, O., and Steinmeyer, assignors.)
American Car and Foundry Company. (See Johnson, Warren V., assignor.)
American Car and Foundry Company. (See Johnson, W. S., and Shaffer, assignors.)
American Car and Foundry Company. (See McBride, John J., assignor.)
American Car and Foundry Company. (See Nichols, Ralph G., assignor.)
American Car and Foundry Company. (See Ostrander, Allen E., assignor.)
American Car and Foundry Company. (See Willoughby, Victor R., assignor.)
American Foundry Equipment Company, The. (See Rich, Elmer A., jr., assignor.)
American Mine Door Co., The. (See Gurney, Albert J., assignor.)
American Radiator Company. (See Eggleston, Lewis W., assignor.)
American Sales Book Company. (See Wiswall, William J., assignor.)
American Smelting and Refining Company. (See Howard, William H., assignor.)
American Telephone and Telegraph Company. (See Hitchcock, Harry W., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Parker, Ralzemond D., assignor.)
American Telephone and Telegraph Company. (See Potts, Louis M., assignor.)
Ames, Joseph H., assignor to American Car and Foundry Company, New York, N. Y. Traveling riveting platform. 1,534,018; Apr. 21.
Andrew, George E., Northwood, England, assignor to F. P. Limited, Jersey, Channel Islands. Manufacture of tape, cord, yarn, rope, fabric, or other material produced from fibers. 1,534,676; Apr. 21.
Andrews, Josiah S., Buffalo, N. Y. Fruit picker. 1,534,756; Apr. 21.
Andrews, Leslie G., Lincoln, Nebr. Auto signal. 1,535,014; Apr. 21.
Angier, Edward H., Framingham, Mass. Creping paper. 1,534,482; Apr. 21.
Anshen, Harold, assignor of one-half to C. F. Williamson, Trenton, N. J. Writing instrument. 1,534,629; Apr. 21.
Anson, Joseph H., assignor to A. H. Reamsbottom, South Porcupine, Ontario, Canada. Vehicle headlight. 1,534,253; Apr. 21.
Aprile, Louis, Cincinnati, Ohio. Universal square. 1,534,757; Apr. 21.
Ardern, James L. (See Latman, Charles H., assignor.)
Arkell Safety Bag Company. (See Wandel, Kurt, assignor.)
Armstrong, Orlan G., Alliance, Ohio. Heater for motor vehicles. 1,534,483; Apr. 21.
Askenasy, Paul. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Assmann, Frank A., jr., and A. L. Kronquest, Chicago, Ill., assignors to Continental Can Company, Syracuse, N. Y. Can-body-soldering machine. 1,534,677; Apr. 21.
Associated Oil Company. (See Fowler, Henry G., assignor.)
Aste, Anthony L., Brooklyn, N. Y. Shoe-cleaning-stick container, applicator, and distributor. 1,534,827; Apr. 21.
Athey, Isaac H., assignor to Athey Truss Wheel Co., Chicago, Ill. Shoe for track-laying vehicles. 1,534,254; Apr. 21.
Athey, Isaac H., and E. W. Baily, assignors to Athey Truss Wheel Co., Chicago, Ill. Vehicle. 1,534,255; Apr. 21.
Athey Truss Wheel Co. (See Athey, Isaac H., assignor.)
Athey Truss Wheel Co. (See Athey, I. H., and Baily, assignors.)
Automatic Electric Company. (See Smith, Arthur B., assignor.)
Automatic Refrigerating Company, The. (See Lundgaard, Ivar, assignor.)
Averill, William H., Boston, assignor of one-half to A. C. Erisman, Brookline, Mass. Can opener. 1,534,484; Apr. 21.
Avery, Roger L., Chicago, Ill. School furniture. 1,534,630; Apr. 21.
Ayars Machine Company, et al. (See Steere, Clarence E., assignor.)
Babcock & Wilcox Company, The. (See Mouriam, Georges, and Sutter, assignors.)
Babitch, Abraham M. (See Short, C. R., and Babitch.)
Bachman, Walter S., Chicago, Ill. Sterilising attachment for water-supply pipes. 1,534,256; Apr. 21.

Baddiley, James, A. Shepherdson, H. Swann, J. Hill, and L. G. Lawrie, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyeing acetyl cellulose or fabrics containing the same and new products for use therein. 1,534,019; Apr. 21.
Bahsler, Eugene K., Tyngsboro, Mass. Automobile map holder. 1,534,151; Apr. 21.
Bailey, Minnita, New York, N. Y. Toothache remedy. 1,534,485; Apr. 21.
Baily, Robert W. (See Athey, I. H., and Baily.)
Baity, Delbert R., Los Angeles, Calif. Safety cigarette holder. 1,534,560; Apr. 21.
Baker, Burr, Minneapolis, Minn. Figure toy. 1,534,887; Apr. 21.
Baker, Burr, Minneapolis, Minn. Figure toy. 1,534,888; Apr. 21.
Baker, David F., Tarrytown, N. Y. Using direct blast-furnace metal for foundry castings. 1,534,561; Apr. 21.
Baker-Perkins Company. (See Tugendhat, Robert G., assignor.)
Baldwin, Hiram E., assignor to The Brown Hoisting Machinery Company, Cleveland, Ohio. Tractor bridge crane. 1,534,020; Apr. 21.
Ball, Jay O., assignor to Sidney Blumenthal & Company, Inc., New York, N. Y. Color printing. 1,534,292; Apr. 21.
Ballot, Ernest M., Paris, France. Machine for cutting a cam serving to control the front-wheel brakes of motor vehicles. 1,535,016; Apr. 21.
Balzak, Julius, Chicago, Ill. Ice-cream disher. 1,534,099; Apr. 21.
Bambenek, Joseph B., assignor to Peerless Chain Co., Winona, Minn. Chain fastener. 1,534,889; Apr. 21.
Bancroft, Roy, assignor of one-half to J. P. Gallaghan, Oakland, Calif. Braking mechanism. 1,534,293; Apr. 21.
Bang, Sören H., Copenhagen, Denmark. Self-loading firearm. 1,534,486; Apr. 21.
Banks, John D., Colwyn, Pa., assignor to Kil-Glar Company, Audubon, N. J. Glare shield for automobiles. 1,534,487; Apr. 21.
Barker, Percy E., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Dump-truck hoisting mechanism. 1,534,294; Apr. 21.
Barker, William, jr., Troy, N. Y., assignor to Lion Collars & Shirts, Inc. Soft fold collar. 1,534,562; Apr. 21.
Barker, William, jr., Troy, N. Y., assignor to Lion Collars & Shirts, Inc. Fold collar. 1,534,563; Apr. 21.
Barks, Frank S., assignor to Lincoln Steel and Forge Company, St. Louis, Mo. Journal box. 1,535,016; Apr. 21.
Barnebey, Oscar L., Detroit, Mich. Multiple-unit hearth furnace. 1,534,488; Apr. 21.
Barnes, Chester A., Blue Grass, Iowa. Harrow scraper. 1,534,489; Apr. 21.
Barr, James A., Mount Pleasant, Tenn., assignor to The International Agricultural Corporation, New York, N. Y. Briquette of phosphate-rock material and making the same. 1,534,328; Apr. 21.
Barrielle, Paul, Apt, France. Manufacture of preserved fruits. 1,534,050; Apr. 21.
Bartholomew, Bert E., Pasadena, Calif., assignor of one-half to L. Sands, Cleveland, Ohio. Casement-window adjuster. 1,534,758; Apr. 21.
Basset, Lucien P., Paris, France. Direct reduction of ores, and particularly of iron ores. 1,534,051; Apr. 21.
Bassett, Leonard L., Sioux Falls, S. Dak. Wheel puller. 1,534,350; Apr. 21.
Bates, Eddo V., Lowell, Mass. Method and apparatus for carding fibrous material. 1,534,564; Apr. 21.
Bath, John, and R. H. C. Grunewald, Worcester, Mass., assignors to John Bath & Co. Inc. Adjustable internal gauge. 1,534,152; Apr. 21.
Bath, John, & Co., Inc. (See Bath, J., and Grunewald, assignors.)
Bauer, Wilhelm, and A. Herre, Opladen, near Cologne, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Vat dye. 1,534,351; Apr. 21.
Baumann, Frederick W., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Bending machine. 1,534,890; Apr. 21.
Bax, Lionel D., Denver, Colo. Piston ring. 1,534,153; Apr. 21.
Baynard, William H., Quincy, assignor to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,534,021; Apr. 21.
Beard, C. Y. (See Johnston, Frank N., assignor.)
Beardsley, Elmer O., assignor to The Beardsley & Piper Company, Chicago, Ill. Portable molding machine. 1,534,565; Apr. 21.
Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,534,566; Apr. 21.
Beardsley & Piper Company, The. (See Beardsley, Elmer O., assignor.)
Beaumont Manufacturing Company. (See Beaumont, R. H., and Marette, assignors.)
Beaumont, R. H., Company. (See Beaumont, Robert H., assignor.)
Beaumont, R. H., Company. (See Lowenthal, Harry N., assignor.)
Beaumont, Robert H., Radnor, assignor to R. H. Beaumont Company, Philadelphia, Pa. Skip hoist. 1,534,891; Apr. 21.
Beaumont, Robert H., assignor to R. H. Beaumont Company, Philadelphia, Pa. Screen. 1,534,892; Apr. 21.
Beaumont, Robert H., Philadelphia, Pa., and H. Marette, East Orange, assignors to Beaumont Manufacturing Company, Camden, N. J. Gate for ash hoppers. 1,534,898; Apr. 21.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate casting and finishing apparatus. 1,534,491; Apr. 21.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-metal pump. 1,534,492; Apr. 21.
Bechman, Henry F., assignor to Duplex Printing Press Company, Battle Creek, Mich. Stereotype-plate casting apparatus. 1,534,493; Apr. 21.
Beck, George C., Spokane, Wash. Ring expander. 1,534,490; Apr. 21.
Beckman, Frank E., Haverhill, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sole-molding press. 1,534,052; Apr. 21.
Beckwith, Harry H. (See Baynard, William H., assignor.)
Beebe, Glenn R., Detroit, Mich. Wheeled merry-go-round. 1,534,894; Apr. 21.
Beebe, Stanley J., Union, N. Y. Pigment and making same. 1,534,678; Apr. 21.
Begtrup, Edward F., Jersey City, assignor to Metal & Thermit Corporation, Chrome, N. J. Plugging auxiliary gates of molds. 1,534,022; Apr. 21.
Behnke, Albert R., St. Paul, Minn. Electrically-operated fuel injector. 1,534,829; Apr. 21.
Behnke, Albert R., St. Paul, Minn. Automatic fan valve. 1,534,830; Apr. 21.
Belcher, Warren J., assignor to The Whitney Mfg. Co., Hartford, Conn. Power-transmission chain. 1,534,494; Apr. 21.
Belden, Clyde W., Shreveport, La., and I. B. Bussard, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Drawing and flattening sheet glass. 1,534,567; Apr. 21.
Benham, Edgar M., Norwood, Ohio, assignor to The Mosler Lock Company, Covington, Ky. Interchangeable combination key lock. 1,534,495; Apr. 21.
Benson, Olaf, Red Wing, Minn. Headlight mounting. 1,534,352; Apr. 21.
Bentley, James B. (See Lomax, J. A. B., Turner, and Bentley.)
Berg, Charles T., San Jose, Calif. Air cleaner for carburetor intakes. 1,534,831; Apr. 21.
Bergel, Salo, Berlin-Wilmersdorf, assignor of two-thirds to Chemische Fabrik Grünau Landshoff & Meyer, Aktiengesellschaft, Grunau, near Berlin, and C. A. F. Kahlbaum, Chemische Fabrik Gesellschaft mit beschränkter Haftung, Aldershof, near Berlin, Germany. Producing a remedy for syphilis. 1,534,832; Apr. 21.
Bergstrom, George O., assignor to Bergstrom Stove Co., Neenah, Wis. Wooden flask. 1,534,568; Apr. 21
Bergstrom Stove Co. (See Bergstrom, George O., assignor).
Bergsunds Mekaniska Verkstads Aktiebolag. (See Huss, Gustaf H., assignor.)
Bernotow, Dominik M., assignor to Bunte Brothers, Chicago, Ill. Device for regulating humidity of containers. 1,534,340; Apr. 21.
Bernotow, Dominik M., assignor to Bunte Brothers, Chicago, Ill. Device for regulating humidity of containers. 1,534,341; Apr. 21.
Bernotow, Dominick M., assignor to Bunte Brothers, Chicago, Ill. Device for regulating humidity of containers. 1,534,343; Apr. 21.
Bernson, Maurice F., Canadian, Tex., assignor, by mesne assignments, to Walker Manufacturing Company, Racine, Wis. Jack. Re16,050; Apr. 21.
Besser, Herman, Alpena, Mich. Fractured block and making the same. 1,534,353; Apr. 21.
Besser, Herman and J. H., Alpena, Mich. Mold box. 1,534,354; Apr. 21.
Besser, Jesse H. (See Besser, Herman and J. H.)
Betterley, Roy L., St. Paul, Minn. Pedestal for stands. 1,534,759; Apr. 21.
Betton, Harold E., Lynn, Mass. Coal chute. 1,534,023; Apr. 21.
Bigger, Leroy A., Oneida, N. Y. Guard. 1,534,496; Apr. 21.
Billman, Obed C., Cleveland, Ohio. Car and train-pipe coupling. 1,534,631; Apr. 21.
Biltmore Lighting Fixture Co. (See Stern, Max, assignor.)
Binks, Harry D., Oak Park, assignor to Binks Spray Equipment Co., Chicago, Ill. Liquid and air separator. 1,534,833; Apr. 21.
Binks Spray Equipment Co. (See Binks, Harry D., assignor.)
Bird-Archer Company, The. (See Lupton, Samuel J., assignor.)
Birkin and Company. (See Birkin, C. W., and Sands, assignors.)
Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 67,065; Apr. 21.

Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 67,066; Apr. 21.
Birkin, Charles W., and E. T. Sands, assignors to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 67,067; Apr. 21.
Birkin, Charles W., and E. T. Sands, assignor to Birkin and Company, Broadway, Nottingham, England. Lace. Des. 67,068; Apr. 21.
Bishop, George D., and C. P. Hartman, Carlisle, Pa. Automatic label-pasting machine. 1,534,355; Apr. 21.
Blacher, Charles F., Barnet, assignor to Guy's Calculating Machines Limited, London, England. Calculating machine. 1,534,834; Apr. 21.
Black, Frederic M. (See Blair, Frank M., assignor.)
Blackmore, Lloyd, Highland Park, assignor to General Motors Corporation, Detroit, Mich. Vehicle bumper. 1,534,760; Apr. 21.
Blackwood, James A., Jersey City, N. J. Window-cleaner's seat. 1,534,895; Apr. 21.
Blair, Frank M., assignor of one-half to F. M. Black, Newark, Ohio. Turret-type transmission. 1,534,896; Apr. 21.
Blanchard Machine Company, The. (See Spencer, Henry K., assignor.)
Blaw, Jacob B., Atlantic City, N. J. Fire apparatus. 1,534,761; Apr. 21.
Blin, Jules A., Paris, France. Drawer-guide construction. 1,534,201; Apr. 21.
Bloomquist, Oscar E., Momence, Ill. Stove. 1,534,897; Apr. 21.
Bluemlein, Ludwig L., Hartsdale, N. Y. Water heater. 1,534,898; Apr. 21.
Blumenthal, Sidney, & Company. (See Ball, Jay O., assignor.)
Boehringer, John A., Springfield, assignor to H. A. Safion, New York, N. Y. Chandelier. Des. 67,069; Apr. 21.
Boggiano, James E., Lake Placid Club, N. Y. Pressure-reducing valve. 1,534,899; Apr. 21.
Boley, Leonard W., and J. S. Brenner, New York, N. Y. Cooking and serving utensil. 1,534,202; Apr. 21.
Bolin, Charles F., Manchester, Wyo. Ditching and grading machine. 1,534,900; Apr. 21.
Bonhôte, Gerald. (See de Montmollin, G., and Bonhôte.)
Bonthoux, Alphonse, Duck Lake, Saskatchewan, Canada. Ornamental clock. 1,534,901; Apr. 21.
Boorman, Kitchell M., New York, N. Y. Container. 1,534,497; Apr. 21.
Borne, Louis A., Milwaukee, Wis. Doorcheck. 1,534,902; Apr. 21.
Bornhauser, Otto E., and J. E. Herman, Sandusky, Ohio. Apparatus for making building blocks and the like. 1,534,154; Apr. 21.
Bostick, Heywood H., assignor to Globe Elevator Appliance Company, Fort Worth, Tex. Adjustable end thrust for elevator shafts. 1,534,762; Apr. 21.
Bostock, Francis J., and S. Bramley-Moore, Huddersfield, England. Concentric gear unit. 1,534,679; Apr. 21.
Boston Rubber Shoe Company. (See McKinnon, Allen G., assignor.)
Bosworth, George P., assignor to Hemphill Company, Central Falls, R. I. Seamless stocking and making the same. 1,534,763; Apr. 21.
Bouchard, Emile E., Burlington, Vt. Radiator and hood cover for automobiles. 1,534,903; Apr. 21.
Bouchard, Emile E., Burlington, Vt. Vehicle spring cover. 1,534,904; Apr. 21.
Bourgon, Joseph H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Weather-excluding means. 1,534,498; Apr. 21.
Bowen, Asa C. (See Bowen, Clifford T. and A. C.)
Bowen, Clifford T., Wellington, and A. C. Bowen, Cleveland, Ohio. License-plate holder. 1,534,905; Apr. 21.
Bowen, Hermon I. (See Shearer, Rose M., assignor.)
Boynton, Vern K., assignor to Perry & Webster, Inc., New York, N. Y. Fume control. 1,534,024; Apr. 21.
Bozie, Lena, Highgate Springs, Vt. Bread raiser. 1,534,835; Apr. 21.
Brandt, Harold J., Rochester, Mich. Disk-wheel-hub construction. 1,534,764; Apr. 21.
Braemer, William G. R., Cranston, R. I., assignor to General Fire Extinguisher Company. Drying apparatus. 1,534,499; Apr. 21.
Braemer, William G. R., Haddonfield, N. J., and J. Roberts, Providence, R. I., assignors to General Fire Extinguisher Company. Drying machine for textile materials. 1,534,500; Apr. 21.
Bramley-Moore, Swinfen. (See Bostock, F. J., and Bramley-Moore.)
Brandes, C., Inc. (See Fischer, Hermann, assignor.)
Braun, Hubert J. (See Steeple, Reginald C., assignor.)
Brede, Martin H., Minneapolis, Minn., and O. L. Longpre, Vale, S. Dak. Key-locked cap for tanks. 1,534,836; Apr. 21.
Brenner, Jacob S. (See Boley, L. W., and Brenner.)
Bridgewater, William, Doncaster, England. Boxing glove. 1,534,906; Apr. 21.
Brill, J. G., Company, The. (See Brooks, James A., assignor.)
Brill, J. G., Company, The. (See Frey, George, assignor.)
Briney, Ottis R., Pontiac, Mich. Piston structure. 1,534,765; Apr. 21.
Briney, Ottis R., Pontiac, Mich. Sealing means for pistons and the like. 1,534,766; Apr. 21.
Brinton, William C., jr., assignor to Philbrin Corporation, Kennett Square, Pa. Timer governor. 1,534,026; Apr. 21.
British Dyestuffs Corporation Limited. (See Baddiley, J., Shepherdson, Swann, Hill, and Lawrie, assignors.)
Brockman, Robert T. (See Sorum, A. E., and Brockman.)
Brockton Heel Company, Inc. (See Hanssalpakar, Edwin, assignor.)
Broecker, John P., Milwaukee, Wis. Combination implement. 1,534,907; Apr. 21.
Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Overflow-trimming machine. 1,534,053; Apr. 21.
Brogan, James A., Lawrence, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-trimming machine. 1,534,257; Apr. 21.
Brogden, Joah, Melrose Park, assignor to David Lupton's Sons Company, Philadelphia, Pa. Sash weight. 1,534,767; Apr. 21.
Brooker, F. J., administrator. (See Allison, Henry H.)
Brooks, James A., assignor to The J. G. Brill Company, Philadelphia, Pa. Car seat. 1,534,837; Apr. 21.
Brosius, Edgar E., Pittsburgh, Pa. Blast-furnace-tapping apparatus. 1,534,838; Apr. 21.
Browder, David H., Lawrenceville, Va. Pipe reamer. 1,534,908; Apr. 21.
Brown, Alexander T., Syracuse, N. Y. Pivotal bearing. 1,534,501; Apr. 21.
Brown & Caine, Inc. (See Caine, Charles H., assignor.)
Brown, Davis, Bucyrus, Ohio. Brick machine. 1,534,768; Apr. 21.
Brown Hoisting Machinery Company, The. (See Baldwin, Hiram E., assignor.)
Brown, Jacob S., assignor of one-half to W. F. Eichenhofer, Los Angeles, Calif. Reamer. Re16,051; Apr. 21.
Browne, Ralph C., Salem, Mass. Electrical gauge. 1,534,909; Apr. 21.
Browne, Ralph C., Salem, Mass. Telephone receiver. 1,534,910; Apr. 21.
Browne, Ralph C., Salem, Mass. Telephone receiver. 1,534,911; Apr. 21.
Brownlie, Roland, Medford, Mass. Oscillation detector. 1,534,769; Apr. 21.
Bruderlein, Charles, New York, N. Y. Milk-bottle support and lock. 1,534,912; Apr. 21.
Buck, Eugene C., and C. Christiansen, Howard, S. Dak. Serum extractor. 1,534,913; Apr. 21.
Budd, Edward G., Manufacturing Company. (See Meadowcroft, Joseph W., assignor.)
Bump, George P., La Crosse, Wis. Carburetor-adjusting mechanism. 1,534,680; Apr. 21.
Bunte Brothers. (See Bernotow, Dominik M., assignor.)
Bunte Brothers. (See Perry, Ira D., assignor.)
Bunte Brothers. (See Weihmann, Henry A., assignor.)
Burke, James P., Newark, N. J. Micrometer tuning dial. 1,534,356; Apr. 21.
Burkhardt, Hans, Zollbruck, and E. Wirz, Stafa, Switzerland. Hydraulic tilting device. 1,534,439; Apr. 21.
Burnap, James M., Denver, Colo. Fluid-pressure cushioning mechanism for vehicles. 1,534,839; Apr. 21.
Burne, Edward L., Westminster, London, England. Charging secondary batteries. 1,534,026; Apr. 21.
Burnett, Ira A., Chicago, Ill. Soap-dispensing hand brush. 1,534,857; Apr. 21.
Burns, Frank A., Anaconda, Mont. Internally-armored tire. 1,534,358; Apr. 21.
Burns, Jabez, & Sons. (See Greene, Richard A., assignor.)
Burnetown, Goodman, Houston, Tex. Ash tray. Des. 67,070; Apr. 21.
Busard, Ingle B. (See Belden, C. W., and Busard.)
Butler, George H. C. (See Reeves, Alfred, assignor.)
Butler, William B., Trenton, N. J. Mold for pottery work. 1,534,155; Apr. 21.
Butterfield, Charles, assignor to The Interstate Folding Box Company, Middletown, Ohio. Paper-box-making machine. 1,534,569; Apr. 21.
Butzke, Gustav, Alplaus Road, N. Y., assignor to General Electric Company. Rotary-switch handle. 1,534,681; Apr. 21.
Byers, Horace G., Montclair, N. J., and W. B. Van Arsdel, Berlin, N. H. Manufacture of chloroform. 1,534,027; Apr. 21.
C. A. F. Kahlbaum, Chemische Fabrik Gesellschaft mit beschränkter Haftung et al. (See Bergel, Lalo, assignor.)
C. L. I. Manufacturing Company Limited, The. (See Watson, Ernest A., assignor.)
Cacciagatti, Andrew, Port Jervis, N. Y. Grapple for spearing fish. 1,534,914; Apr. 21.
Cadoret, Louis A., Pawtucket, R. I. Universal metal bobbin. 1,534,915; Apr. 21.
Cain, Joseph A. (See Flanagan, Frank J., assignor.)
Caine, Charles H., assignor to Brown & Caine, Inc., Chicago, Ill. Ignition coil. 1,534,258; Apr. 21.
Calculagraph Company, The. (See Abbott, Henry, assignor.)
Callender, Ward G., Mansfield, Ohio. Shoe cleaner. 1,534,156; Apr. 21.
Camfield, Charles W., Newkirk, Okla. Watch charm. Des. 67,071; Apr. 21.

Campbell, Earl E., assignor of one-half to H. L. Jarvis, Gillette, Wyo. Coupling. 1,534,916; Apr. 21.
Campbell, Lewis G., assignor to The Puritan Cabinet Dryer Company, Cincinnati, Ohio. Clothes drier. Re16,044; Apr. 21.
Campbell, Lorn, jr., assignor to United States Welding Company, Minneapolis, Minn. Liquid-fuel burner. 1,534,295; Apr. 21.
Cane, Gordon F., Oakland, assignor to American Automatic Lock and Lift Company, San Francisco, Calif. Foldable-bed-supporting means. 1,534,296; Apr. 21.
Carbide and Carbon Chemicals Corporation. (See Watson, Philip B., assignor.)
Carborundum Company, The. (See Martin, Harry C., assignor.)
Carey, Le Grand G., Cleveland, Ohio. Tractor vehicle. 1,534,297; Apr. 21.
Carmean, James H. (See Carmean, Samuel M. and J. H.)
Carmean, Samuel M. and J. H., Kansas City, Mo. Electric heater. 1,534,682; Apr. 21.
Carter, Edward B., assignor of one-half to A. B. Shapard and one-half to Drake Lock Nut Company, San Francisco, Calif. Glider for furniture legs and the like. 1,534,440; Apr. 21.
Case, Frank E., and A. T. Crocker, Schenectady, N. Y., assignors to General Electric Company. Mounting for switch-operating means. 1,534,683; Apr. 21.
Cashel, William W., sr., Casper, Wyo. Shock absorber. 1,534,502; Apr. 21.
Cason, Paul B. (See Riedale, P., Cason, and Herman.)
Celluloid Company, The. (See Lindsay, William G., assignor.)
Central City Chemical Co. (See Deavitt, Henry M., assignor.)
Charpillos, Firm of Albert. (See Teppet, Eugene, assignor.)
Chase, Elroy A., Northfield, Vt. Granite-working machine. 1,534,157; Apr. 21.
Chase, Elroy A., Northfield, Vt. Wheel for dressing stone. 1,534,158; Apr. 21.
Chase, Elroy A., Northfield, Vt. Sling for handling stone. 1,534,159; Apr. 21.
Chatillon, John, & Sons. (See Richardson, John W., assignor.)
Chelotti, Italo. (See Farmer, Thomas E., assignor.)
Chemische Fabrik Grünau Landshoff & Meyer Aktiengesellschaft et al. (See Bergel, Salo, assignor.)
Chicago Mill and Lumber Company. (See Walter, Harrison B., assignor.)
Chilson, Lewis S., assignor to J. M. Fisher Company, Attleboro, Mass. Pendant. 1,534,684; Apr. 21.
Christiansen, Charles. (See Buck, E. C., and Christiansen.)
Christie, Charles H. (See Troutman, F. E., and Christie.)
Claflin, Harry C., and A. Schade, Nitro, W. Va. Composition of material. 1,534,770; Apr. 21.
Clark, Warren F., Cleveland, Ohio. Water-heating device. 1,534,298; Apr. 21.
Clarke, Ernest, Redditch, England. Armband, garter, and the like. 1,534,917; Apr. 21.
Clas, Angelo R., and R. W. Randall, assignors to The Toledo Automotive Products Company, Toledo, Ohio. Brake mechanism. Re16,045; Apr. 21.
Claude, Georges, and J. M. E. de Beaufort, Boulogne-sur-Seine, France. Shaping glass tubes, more particularly tubes with rarefied gas, intended for lighting or luminous advertising. 1,534,685; Apr. 21.
Claybourn, Leslie W., Menasha, Wis. Mold support. 1,534,918; Apr. 21.
Clement, Alvah W., Cleveland, Ohio, assignor, by mesne assignments, to Ludlum Steel Co., Watervliet, N. Y. Metallic alloy. 1,534,570; Apr. 21.
Cleveland Folding Machine Co., The. (See Trautman, Walter G., assignor.)
Clevenger, Galen H., Brookline, Mass., assignor to United States Smelting, Refining & Mining Company, Portland, Me. Synthetic manufacture of cyanide. 1,534,054; Apr. 21.
Cline, Jean, Portland, Oreg. Investing destructible patterns for inlay fillings. 1,535,017; Apr. 21.
Clutts, Joshua K., Detroit, Mich. Charging device for blast furnaces. 1,534,028; Apr. 21.
Cochrane, Arthur L., Toronto, Ontario, Canada. Fastener for shoe laces and the like. 1,534,029; Apr. 21.
Coffin, Joseph G., Hempstead, assignor to General Rubber Company, New York, N. Y. Drying apparatus. 1,534,030; Apr. 21.
Cohen, Samuel, Brooklyn, N. Y. Condenser. 1,534,160; Apr. 21.
Colestock, Harry B., Plymouth, Ind. Timing synchronizer. 1,534,161; Apr. 21.
Colgan, John P., Waycross, Ga. Flap for clincher tires 1,534,686; Apr. 21.
Collier, William H., Painesville, Ohio. Machine for cutting veneer. 1,534,687; Apr. 21.
Collins, Henry G., Williamsburg, Kans. Baling machine. 1,534,350; Apr. 21.
Collins, William B., Raleigh, N. C. Electric welding device. 1,534,688; Apr. 21.
Coltrane, Vermor N., Long Beach, Calif. Sponge-holding apparatus. 1,534,300; Apr. 21.
Commonwealth Steel Company. (See Halliquist, E. G., assignor.)
Compagnie d'Applications Mecaniques. (See Rouanet, Louis, assignor.)
Conant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase. Des. 67,072; Apr. 21.
Conant, George W. (See Conant, Leon B., assignor.)
Conant, Leon B., Cambridge, assignor to G. W. Conant, Bridgewater, Mass. Shoe tread. 1,534,919; Apr. 21.
Congable, Henry F., assignor to Robinson Hardware Company, Oakland, Calif. Sprinkler. 1,534,688; Apr. 21.
Conn, C. G., Limited. (See Gulick, E. J., and Hawkins, assignors.)
Connery, William M., Philadelphia, Pa. Corrugation-forming die for metal plates. 1,534,299; Apr. 21.
Conning, James, Chicago, Ill. Electric heater. 1,534,571; Apr. 21.
Conradson, Prentice, Evansville, assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Grinding machine. 1,534,301; Apr. 21.
Conradson, Prentice, Evansville, H. E. Kempton, and K. F. Gallimore, assignors to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Grinding machine. 1,534,302; Apr. 21.
Consolidated Art Metal Foundry, Inc. (See Siptrott, Paul, assignor.)
Continental Can Company. (See Assman, F. A., jr., and Kronquest, assignors.)
Continental Cement Tile Company. (See Freund, Cheri S., assignor.)
Continental Gas Compressing Corporation. (See Schill, E., and Woidich, assignors.)
Cook, Albert S., jr. (See Howard, Hasting P., assignor.)
Cooley, Elmer C., Eastwood, N. Y. Cam-forming machine. 1,534,632; Apr. 21.
Cooper, Eugene N., Stettler, Alberta, Canada. Gate. 1,534,503; Apr. 21.
Cooper, William, Huddersfield, England. Electric heating device for burning and drying purposes. 1,534,689; Apr. 21.
Copeland, Eugene A., assignor to Hobbs Manufacturing Company, Worcester, Mass. Safety device. 1,534,360; Apr. 21.
Coradi, Oswald, Zurich, Switzerland. Electric furnace. 1,534,162; Apr. 21.
Corathwaite, E. E. (See Timmons, Ernst, assignor.)
Correll, Hugh, deceased, Canton, Ohio; J. E. Milner, administrator. Wind sign. 1,534,634; Apr. 21.
Correll, Hugh, deceased, Canton, Ohio; J. E. Milner, administrator. Wind sign. 1,534,635; Apr. 21.
Coughlin, James P., Kansas City, Mo. Radiochart. 1,534,055; Apr. 21.
Coulombe, Romeo O., New Haven, Conn. Vehicle wheel. 1,534,840; Apr. 21.
Coveleskie, Joseph, Wilkes-Barre, Pa. Knot-tying mechanism for use in warp tying. 1,534,441; Apr. 21.
Cowen, Joshua L., New York, N. Y., assignor to The Lionel Corporation. Toy train track. 1,534,303; Apr. 21.
Cox, Charles N., Oroville, Calif. Mail box. 1,534,020; Apr. 21.
Cox, William, Toronto, Ontario, Canada. Fare box. 1,534,163; Apr. 21.
Craig, Arthur A., Chicago, Ill. Window ventilator. 1,534,636; Apr. 21.
Craig, Charles F., Los Angeles, Calif. Block-making machine. 1,534,361; Apr. 21.
Crampton, Thomas S., Stemmersrun, Md. Portable rack. 1,534,504; Apr. 21.
Crawford, Emerick B., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn. Baker's oven. 1,534,841; Apr. 21.
Crawford, McGregor and Canby Company, The. (See Mattern, George W., assignor.)
Creasey, Samuel E., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Producing designs in pile fabrics. 1,534,304; Apr. 21.
Creed, Frederick G., Croydon, England. Printing apparatus suitable for printing telegraphic messages. 1,534,164; Apr. 21.
Cristiana, Severino, Milan, Italy. Heating system. 1,534,921; Apr. 21.
Crocker, Arthur T. (See Case, F. E., and Crocker.)
Crompton & Knowles Loom Works. (See Ryon, Eppa H., assignor.)
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Cumfer, Donald A., Chicago, Ill. Roofing. 1,534,165; Apr. 21.
Cunningham, Lawrence. (See MacAskill, Daniel A., assignor.)
Curtis, Ross E., Lincoln, Kans. Attachment for tractors. 1,534,690; Apr. 21.
Cutler, Wallace M., assignor to The E. Horton & Son Company, Windsor Locks, Conn. Chuck. 1,534,572; Apr. 21.
Cvengros, August, Cornopolis, Pa. Flytrap. 1,534,771; Apr. 21.
Dahlberg, B. G. (See Shaw, John K., assignor.)
Dahlberg, Henry W., assignor to The Great Western Sugar Company, Denver, Colo. Palatable beet sirup and preparing the same. 1,534,166; Apr. 21.

Dailey, Everett F., assignor to Merchants Chemical Company, St. Louis, Mo. Anchoring bar for curtain stretchers. 1,534,305; Apr. 21.
Daimler-Motoren-Gesellschaft. (See Porsche, Ferdinand, assignor.)
Dalboni, Carlo. (See Marchesini, G., and Dalboni.)
Da Lee, Minton I., Oklahoma City, Okla. Tombstone. Des. 67,073; Apr. 21.
Damschke, Wilhelm A. (See Haslam, William, assignor.)
Darby, Scott R., Medford, Oreg. Speed governor for tractors. 1,534,691; Apr. 21.
Dautell, Edouard F., St. Denis, France. Mud guard for motor vehicles. 1,534,922; Apr. 21.
Davidson, William M., assignor of one-half to M. L. Johnson, Eastview, Ky. Combination tool. 1,534,923; Apr. 21.
Davis Brake Beam Company. (See Fowler, William E., jr., assignor.)
Davis Brake Beam Company. (See Haskell, Broderick, assignor.)
Davis Brake Beam Company. (See Perkins, Charles F., assignor.)
Davis, Lewis K., Washington, D. C. Endless-track vehicle. 1,534,362; Apr. 21.
Davis, William D., Little Rock, Ark. Hydro-auto-helicopter. 1,534,692; Apr. 21.
Day, John H., Des Moines, Iowa. Burglar alarm 1,534,363; Apr. 21.
Day, Thomas, Company. (See Goddard, Wilfred B., assignor.)
Dayton Engineering Laboratories Company, The. (See Schwarz, Elmer H., assignor.)
De Armond, William C., and W. R. H. Watt, Philadelphia, Pa. Carbonator and draft arm for soda water. 1,534,772; Apr. 21.
Deavitt, Henry M., assignor to Central City Chemical Co., Chicago, Ill. Composition for cleaning pipes. 1,534,167; Apr. 21.
De Beaufort, Jean M. E. (See Claude, G., and de Beaufort.)
De Bellis, Vincent, New York, N. Y. Spindle and wheel construction. 1,534,056; Apr. 21.
De Bothezat, George, and I. Eremeeff, Dayton, Ohio. Barograph. 1,534,306; Apr. 21.
Decatur, Burt W., Springfield, Mass. Axle-setting tool. 1,534,505; Apr. 21.
Degener, Gustave O., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,534,057; Apr. 21.
Delany, Edward L., Brooklyn, N. Y. Bracket for flush tanks. 1,534,924; Apr. 21.
De la Riboisiere, Jean F. P., Washington, D. C. Fuel for internal-combustion engines. 1,534,573; Apr. 21.
De Leo, John, New York, N. Y. Candle cup for lighting fixtures. Des. 67,074; Apr. 21.
De Magnani, Yole B., Buenos Aires, Argentina. Corset. 1,534,693; Apr. 21.
Demeter, Joseph K., New York, N. Y. Waterproof shoe for use in counter construction. 1,534,925; Apr. 21.
De Montmollin, Guillaume, and G. Bonbôte, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Dyestuff. 1,534,506; Apr. 21.
Dempsey, John D., Olean, N. Y. Polishing device. 1,534,259; Apr. 21.
Denbigh, Guy, and R. Walker, Vulcan, Alberta, Canada. Plow gauge wheel. 1,534,058; Apr. 21.
Dennett, Paul A., Saco, Me. Fluid-pressure controlling device. 1,534,059; Apr. 21.
De Palma, Frank, Brooklyn, N. Y. Shaving-cream dispenser. 1,534,307; Apr. 21.
Deskins, Ballard M., Waverly, Ohio, and K. F. Deskins, Logan, W. Va. Combined waste cock and cut-off for water pipes. 1,534,694; Apr. 21.
Deskins, Kennis F. (See Deskins, Ballard M. and K. F.)
De Waltoff, Samuel A., and L. H. McDaniel, Hartford, Conn., assignors to Shimmie Auto Co., Inc. Amusement apparatus. 1,534,978; Apr. 21.
Dexter, Carl J., West Lafayette, Ind. Wall construction and building block for the same. 1,534,060; Apr. 21.
Diamond Coal Cutter Company Limited. (See Lithgoe, John, assignor.)
Dibelka, Henry G., assignor to Miller & Pardee, Inc., Chicago, Ill. Automobile signal lamp. Des. 67,075; Apr. 21.
Dibelka, Henry G., assignor to Miller & Pardee, Inc., Chicago, Ill. Automobile signal lamp. Des. 67,076; Apr. 21.
Diegel, John F. W., Manitowoc, Wis. Saw-filing machine. 1,534,637; Apr. 21.
Dietz, Martin, Brooklyn, N. Y. Arch support. 1,534,308; Apr. 21.
Dix, Henry A., & Sons Corporation. (See Frank, Fred E., assignor.)
Dobie, John E., Milo, Me. Needle. 1,534,926; Apr. 21.
Dodds, Lee L. (See Griffith, T. E., and Dodds.)
Dollinger, Lewis L., Rochester, N. Y. Air filter. 1,534,208; Apr. 21.
Donahue, Joseph F., Providence, R. I. Gem setting. 1,534,442; Apr. 21.
Donat, Joseph L., Chicago, Ill. Heat-radiating device. 1,534,168; Apr. 21.
Donat, Joseph L., Chicago, Ill. Heating device. 1,534,169; Apr. 21.
Donat, Joseph L., Chicago, Ill. Cushioned-wheel construction. 1,534,574; Apr. 21.
Donat, Joseph L., Chicago, Ill. Heating device. 1,534,575; Apr. 21.
Dorr Company, The. (See Stedman, William A., assignor.)
Dorsey, Frank M., Cleveland, Ohio, assignor to General Electric Company. Metallurgical process. 1,535,019; Apr. 21.
Dorsey, Otho J., Philadelphia, Pa. Wear-compensating device. 1,534,170; Apr. 21.
Douchet, Florimond, assignor to Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme, Paris, France. Electrical junction box. 1,534,695; Apr. 21.
Dow Chemical Company, The. (See Gann, John A., assignor.)
Drake Lock Nut Company, et al. (See Carter, Edward B., assignor.)
Dreisbach, Victor C. (See Martin, Archibald J., assignor.)
Dubbs, Carbon P., Wilmette, assignor to The Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,534,927; Apr. 21.
Duff Manufacturing Company, The. (See Schwerin, Frank H., assignor.)
Dufford, John R. (See Leonhard, W. C., Dufford, and Hough.)
Dugan, James J., Wilmington, Del. Coating and alloying metals. 1,534,928; Apr. 21.
Duncan, Arthur L., Piedmont, Calif. Method of and apparatus for bisecting fruit and removing a circumferential slice therefrom. 1,534,507; Apr. 21.
Dunham, Henry V., Mount Vernon, N. Y. Manufacture of chewing gum. 1,534,929; Apr. 21.
Dunham, Henry V., Mount Vernon, N. Y. Treatment of india rubber for use in chewing gum. 1,534,930; Apr. 21.
Dunham, Henry V., Mount Vernon, N. Y. Making chewing-gum base. 1,534,931; Apr. 21.
Dunlap, Matthew E., Madison, Wis., assignor to United States of America. Shrapnel plug. 1,534,204; Apr. 21.
Dunlop Tire and Rubber Corporation of America. (See Willshaw, Harry, assignor.)
Dunn, Thomas A., Jamaica, Iowa. Combined cushion and pneumatic tire. 1,534,365; Apr. 21.
Duplex Printing Press Company. (See Bechman, Henry F., assignor.)
Dura Company, The. (See Wilson, Herbert, assignor.)
Dwight & Lloyd Sintering Company. (See Knox, John, assignor.)
Earnshaw, William B., assignor to General Motors Research Corporation, Dayton, Ohio. Valve mechanism for internal-combustion engines. 1,534,778; Apr. 21.
Earp-Thomas, Oswald C., Richmond, Va. Apparatus for testing soil or seed. 1,534,508; Apr. 21.
Eastwood, Benjamin, Company. (See Wells, William S., assignor.)
Ebert, Hugo E., Merton, Wis. Snowplow attachment. 1,534,638; Apr. 21.
Edelmann, E., & Co. (See Fogelberg, Vanus C., assignor.)
Edgren, Fred E., Chicago, Ill. Cutting or trimming device. 1,534,576; Apr. 21.
Edlund, Henry J., Burlington, Vt. Can-opening device. 1,534,932; Apr. 21.
Edmiston, Simon C., Los Angeles, Calif. Abdominal and sacroiliac support. 1,534,774; Apr. 21.
Edwards, Junius D. (See Hoopes, W., Edwards, and Horsfield.)
Edwards, Junius D. (See Hoopes, W., Frary, and Edwards.)
Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Damper regulator. 1,534,775; Apr. 21.
Eichenhofer, Walter F. (See Brown, Jacob S., assignor.)
Eisinga, Dirk, Seattle, Wash. Bolting-up pin. 1,534,776; Apr. 21.
Eldredge, Henry C., St. Bernard, Ohio, and C. H. Ladd, Newport, Ky. Book-cover back-shaping apparatus. 1,534,696; Apr. 21.
Elwell, Edwin L., Baltimore, Md. Machine for manufacturing crimped paper cups. 1,534,100; Apr. 21.
Ely, Bernard M., assignor to Lambert Machine Company, Marshall, Mich. Chaff remover. 1,535,018; Apr. 21.
Engl, Josef. (See Vogt, H., Engl, and Mansolle.)
Engleman, Herbert J. (See Engleman, John I. and H. J.)
Engleman, John I., Kearney, Nebr., and H. J. Engleman, Arminto, Wyo. Driving attachment for motor vehicles. 1,534,639; Apr. 21.
Eremeeff, Ivan. (See De Bothezat, George, and Eremeeff.)
Erickson, Edward, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for operating on shoe bottoms. 1,534,061; Apr. 21.
Erisman, Arthur C. (See Averill, William H., assignor.)
Erni, Walter, and A. E. Lange, jr., Milwaukee, Wis. Combined lamp and sound reproducing device. Des. 67,077; Apr. 21.
Ernst, Emil U. G., Copenhagen, Denmark. Automatic gas regulator. 1,534,577; Apr. 21.
Evans, Howard B., Portland, Oreg. Mixing machine for concrete mixtures and the like. 1,534,366; Apr. 21.
Evers, Stephen, Freeburg, Mo. Gate. 1,534,842; Apr. 21.

Ewald, Harry, and O. Wernecke, assignors to Grimme, Natalis & Co., Aktiengesellschaft, Braunschweig, Germany. Single-tooth wheels for counting apparatus. 1,534,938; Apr. 21.

Fabricio y Díaz, Francisco, Sagua la Grande, Cuba. Apparatus for raising vehicles. 1,534,364; Apr. 21.

Falwell, Wray, Fitchburg, Mass. Valve-operating device. 1,534,509; Apr. 21.

Fanucci, Frank A., Scranton, Pa. Figure toy. 1,534,367; Apr. 21.

Farbenfabriken vorm. Friedr. Bayer and Co. (See Bauer, W., and Herre, assignors.)

Farmer, Thomas E., assignor of one-half to I. Chelotti, Stockett, Mont. Curtain holder. 1,534,448; Apr. 21.

Farnsworth, Frederick C. (See Shortt, Howard G., assignor.)

Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)

Federal Phosphorus Company. (See Klugh, Bethune G., assignor.)

Feldbush, Harry, and H. Miller, Cincinnati, Ohio, assignors to Worthington Pump and Machinery Corporation, New York, N. Y. Valve. 1,534,260; Apr. 21.

Feldheym, Albert, San Francisco, Calif. Massage instrument. 1,534,444; Apr. 21.

Fellows, Howard E., Hammersmith, London, England. Ignition system for internal-combustion engines. 1,534,368; Apr. 21.

Ferrabino, Edoardo, Turin, Italy. Wire-spoke wheel. 1,534,934; Apr. 21.

Ferrette, Louis E. F., Paris, France. Air pump for safety lamps. 1,534,369; Apr. 21.

Ferrette, Louis E. F., Paris, France. Incandescent safety lamp for mines. 1,534,370; Apr. 21.

Fessenden, Reginald A., Brookline, Mass., assignor to Submarine Signal Company, Portland, Me. Eliminating disturbing energy. 1,534,205; Apr. 21.

Fickes, Josiah B., Omaha, Nebr. Dental floss-guiding means. 1,534,171; Apr. 21.

Fiechtl, Ferdinand, Cherryvale, Kans., and W. Kappelmann, St. Francois, Mo. Vertical-retort smelting furnace. 1,534,935; Apr. 21.

Field, Frank E., Somerville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Amplifier circuit. 1,534,172; Apr. 21.

Fielding, William E., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Chair glide. 1,534,573; Apr. 21.

Finlay, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Mulch. 1,534,371; Apr. 21.

Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Mulch. 1,534,372; Apr. 21.

Fischbach, Eugène E., Hanoi, Tonkin, Indo-China. Confining and restraining device. 1,534,936; Apr. 21.

Fischer, Hermann, New York, N. Y., assignor to C. Brandes, Inc. Diaphragm for telephone receivers. 1,534,373; Apr. 21.

Fisher, J. M., Company. (See Chilson, Lewis S., assignor.)

Fisher, Leo E., Detroit, Mich. Stake or gate holder for trucks. 1,534,101; Apr. 21.

Fisher, Oscar H. (See Wans, A. H., and Fisher.)

Fisk Rubber Company, The (See Frank, Arthur A., assignor.)

Fisk Rubber Company, The. (See Lawler, Frank J., assignor.)

Fisk Rubber Company, The. (See Wiese, Edwin C., assignor.)

Fitting, George W., Millville, N. J. Fabric receiver for knitting machines. 1,534,445; Apr. 21.

Fitzgerald, Alan S., London, England, assignor to General Electric Company. Protective system. 1,534,697; Apr. 21.

Flanagan, Frank J., assignor of one-half to J. A. Cain, Fredericton, New Brunswick, Canada. Heating drum or radiator. 1,535,072; Apr. 21.

Fleckenstein, Alexius P., Ionia, assignor to Fleckenstein Visible Gasometer Co. of Michigan, Grand Rapids, Mich. Liquid-dispensing apparatus. Des. 67,078; Apr. 21.

Fleckenstein Visible Gasometer Co. of Michigan. (See Fleckenstein, Alexius P., assignor.)

Fleischmann Company, The. (See Hildebrandt, F. M., and Frey, assignors.)

Fleming, David A. (See Stapleton, Jerry, assignor.)

Flessner, Hinrich, Highland Park, Mich. Stock-watering device. 1,534,843; Apr. 21.

Flood, John A., assignor to Northwestern Reed and Rattan Company, Minneapolis, Minn. Machine for filling cushions. 1,534,062; Apr. 21.

Fogelberg, Vanus C., assignor to E. Edelmann & Co., Chicago, Ill. High-pressure lubricating apparatus. 1,534,178; Apr. 21.

Foley, Hamilton, assignor to Radium Dial Company, Pittsburgh, Pa. Luminous device. 1,534,937; Apr. 21.

Foll, John V., London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Synchronous telegraph system. 1,535,073; Apr. 21.

Folmsbee, Clyde H., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Heated discharge outlet casing for tank cars. 1,534,102; Apr. 21.

Forges & Ateliers de Constructions Electriques de Jeumont, Societe Anonyme. (See Douchet, Florimond, assignor.)

Forster, Thomas E. (See Strong, H. L., and Forster.)

Foss, Benjamin F., Portland, Me. Chimney stop. 1,534,103; Apr. 21.

Foster, Angier H., Omaha, Nebr. Rate-of-climb indicator for aircraft. 1,534,206; Apr. 21.

Foster, Grover J., Sioux City, Iowa. Process and apparatus for scalding animals. 1,534,207; Apr. 21.

Foucht, Proctor D., Topeka, Kans. Chicken feeder. 1,534,375; Apr. 21.

Fournier, Louis, and G. Mang, Paris, France; said Fournier assignor to said Mang. Keyboard of calculating machines. 1,534,938; Apr. 21.

Fowler, Claude J., Yonkers, and J. Fowler, Red Creek, N. Y. Automatic damper. 1,534,845; Apr. 21.

Fowler, Claude. (See Fowler, Jefferson and C.)

Fowler, Henry G., Associated, assignor to Associated Oil Company, San Francisco, Calif. Processing hydrocarbon lubricating oils. 1,534,376; Apr. 21.

Fowler, Jefferson, Red Creek, and C. Fowler, Yonkers, N. Y. Damper. 1,534,844; Apr. 21.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Brake beam. 1,534,579; Apr. 21.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Shoe for brake-beam supports. 1,534,580; Apr. 21.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Shoe for brake-beam supports. 1,534,581; Apr. 21.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Securing brake-beam supports to trucks. 1,534,582; Apr. 21.

Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Securing brake-beam supports to trucks. 1,534,583; Apr. 21.

F. P. Limited. (See Andrew, George E., assignor.)

Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Electrolytic production of aluminum. 1,534,031; Apr. 21.

Frary, Francis C. (See Hoopes, W., and Frary.)

Frary, Francis C. (See Hoopes, W., Frary, and Edwards.)

Frank, Arthur A., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Molding pneumatic casings. 1,534,777; Apr. 21.

Frank, Fred E., assignor to Henry A. Dix & Sons Corporation, New York, N. Y. Garment. 1,534,174; Apr. 21.

Frankel, Fridolf, Stockholm, Sweden. Metal sound board for pianos and the like. 1,534,309; Apr. 21.

Fraser, James M., Stafford Springs, Conn. Presser board. 1,534,510; Apr. 21.

Fraser, Thomas, and H. F. Yancey, Urbana, Ill. Separating loosely-mixed materials. 1,534,846; Apr. 21.

Frazer, Pinkney P., assignor, by mesne assignments, to E. Schaefer and D. F. Schaefer, trustees for the Multiple Molding Machine Co., St. Louis, Mo. Molding machine. 1,535,020; Apr. 21.

Frazier, Sherman W. (See McCord, A. W., and Frazier.)

Frederick, Joseph P., assignor of one-half to A. J. Lurie, Chicago, Ill. Doorlock. 1,534,584; Apr. 21.

Frederiksen, Mabel H., San Francisco, Calif. Sheathing board. 1,534,511; Apr. 21.

Freund, Cheri S., assignor to Continental Cement Tile Company, Chicago, Ill. Roof structure. 1,534,175; Apr. 21.

Frey, Charles N. (See Hildebrandt, F. M., and Frey.)

Frey, George, assignor to The J. G. Brill Company, Philadelphia, Pa. Passenger car. 1,534,847; Apr. 21.

Fridena, Daniel T., and W. E. Judd, Brockwayville, Pa. Hair curler. 1,534,063; Apr. 21.

Fritzsche, Hermann, and E. Reber, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. 1-aryl-5-pyrazolones and making same. 1,534,512; Apr. 21.

Fuge, James W., assignor to The Fuge New Way Milking Machine and Tester Company Limited, Featherston, New Zealand. Milk-sample-obtaining means for use in vacuum milking machinery. 1,534,939; Apr. 21.

Fuge New Way Milking Machine and Tester Company Limited, The. (See Fuge, James W., assignor.)

Fuller Brush Company, The. (See Lucia, Louis V., assignor.)

Fulton Company, The. (See Fulton, Weston M., assignor.)

Fulton, Weston M., assignor to The Fulton Company, Knoxville, Tenn. Gate valve. 1,534,513; Apr. 21.

Furiate, Daniel P., Toledo, assignor of one-half to G. W. Zay, Tiffin, Ohio. Window guard. 1,534,377; Apr. 21.

Furlong, Larry, Havre, Mont. Sickle-holding attachment for grinders. 1,535,021; Apr. 21.

Furste, Henry, assignor to The United States Printing and Lithographing Company, Cincinnati, Ohio. Carton. 1,534,261; Apr. 21.

Gabriel, Leo W., Badin, N. C., assignor to Aluminum Company of America, Pittsburgh, Pa. Testing molten alumina. 1,534,032; Apr. 21.

Galgoczi, Walter, Rosebush, Mich., assignor of one-third to P. Johs, East Chicago, Ind. Dining table. 1,534,848; Apr. 21.

Gallaghan, John P. (See Bancroft, Roy, assignor.)

Gallimore, Keith F. (See Conradson, P., Kempton, and Gallimore.)

Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Golf ball and making the same. 1,534,104; Apr. 21.

Gann, John A., assignor to The Dow Chemical Company, Midland, Mich. Flux for magnesium and alloys thereof. 1,534,105; Apr. 21.

Gannon, Wilfred, assignor to W. R. Tidmarsh, London, England. Starting handle for internal-combustion engines. 1,534,940; Apr. 21.

Gansert, Fred and H., jr., Syracuse, N. Y. Method of and apparatus for making paper-box caps. 1,534,698; Apr. 21.

Gansert, Herman, jr. (See Gansert, Fred and H., jr.)

Garbell, Max, assignor, by mesne assignments, to O. D. Jennings & Company, Chicago, Ill. Typewriting machine. 1,534,585; Apr. 21.

Gardner, Joseph I., Lakeside, Ariz. Clutch release. 1,534,699; Apr. 21.

Gates, Walter S., assignor to Insulating Materials Company, Detroit, Mich. Dyeing and bleaching machine. 1,534,106; Apr. 21.

Gaunt, Charles F., Birmingham, England. Holder for stropping safety-razor blades. 1,534,310; Apr. 21.

Gebers, Randolph C., Elmhurst, N. Y. Knitting apparatus. 1,534,311; Apr. 21.

Gehrung, Julien A., New York, N. Y. Automobile truck. 1,534,514; Apr. 21.

General Electric Company. (See Alexanderson, Ernst F. W., assignor.)

General Electric Company. (See Butzke, Gustav, assignor.)

General Electric Company. (See Case, F. E., and Crocker, assignors.)

General Electric Company. (See Dorsey, Frank M., assignor.)

General Electric Company. (See Fitzgerald, Alan S., assignor.)

General Electric Company. (See Hilliard, John D., assignor.)

General Electric Company. (See Junggren, Oscar, assignor.)

General Electric Company. (See Kellogg, Edward W., assignor.)

General Electric Company. (See Kellogg, E. W., and Rice, assignors.)

General Electric Company. (See Lewis, Edward H., assignor.)

General Electric Company. (See Macmillan, Campbell, assignor.)

General Electric Company. (See McDonald, Gordon R., assignor.)

General Electric Company. (See Troy, Matthew O., assignor.)

General Electric Company. (See Vernon, Harvey H., assignor.)

General Fire Extinguisher Company. (See Braemer, William G. R., assignor.)

General Fire Extinguisher Company. (See Braemer, W. G. R., and Roberts, assignors.)

General Motors Corporation. (See Blackmore, Lloyd, assignor.)

General Motors Corporation. (See Jerome, Benjamin, assignor.)

General Motors Corporation. (See Roe, Charles H., assignor.)

General Motors Research Corporation. (See Earnshaw, William B., assignor.)

General Motors Research Corporation. (See Short, C. R., and Babitch, assignors.)

General Rubber Company. (See Coffin, Joseph G., assignor.)

Germek, Andrew, Edwardsville, Pa. Car-loading means. 1,534,878; Apr. 21.

Gerrard, Alec J. (See Peacock, Samuel, assignor.)

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric-switch construction. 1,534,515; Apr. 21.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Safety switch. 1,534,516; Apr. 21.

Getchell, Benjamin E., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric safety switch. 1,534,517; Apr. 21.

Gibb, William W., Imperial, Nebr. Grain-drill attachment. 1,534,941; Apr. 21.

Gibson, Delsworth E., Dunkirk, N. Y. Fountain glove. 1,534,208; Apr. 21.

Giddings & Lewis Machine Tool Company. (See Conradson, Prentice, assignor.)

Giddings & Lewis Machine Tool Company. (See Conradson, P., Kempton, and Gallimore, assignors.)

Gilberts, Andrew, Chicago, Ill. Contact breaker. 1,534,879; Apr. 21.

Gisholt Machine Company. (See Turner, Charles A., assignor.)

Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. 1,534,107; Apr. 21.

Glass, Perley R., Wayland, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Fastener-setting machine. 1,534,108; Apr. 21.

Gleason Works. (See Slade, Leon D., assignor.)

Globe Elevator Appliance Company. (See Bostick, Heywood H., assignor.)

Glowacki, John B., Chicago, Ill. Arm rest for crutches. 1,534,209; Apr. 21.

Gobatti, Edmund F., Pueblo, Colo. Grease-cup plug. 1,534,942; Apr. 21.

Godard, Lula. (See Larrey, T., and Godard.)

Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Electric outlet fixture. 1,534,640; Apr. 21.

Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Lighting fixture. 1,534,641; Apr. 21.

Goeschke, Armin, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Indophenol sulphur dyestuff and making same. 1,534,518; Apr. 21.

Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,534,109; Apr. 21.

Goldman, Maurice A., assignor to Milford Textile Corporation, Milford, N. H. Attachment for looms. 1,534,033; Apr. 21.

Goldman, Sigmund L., Chicago, Ill. Decanting apparatus. 1,534,700; Apr. 21.

Gonzalez, Jose, Tampa, Fla. Vehicle signal. 1,534,943; Apr. 21.

Gooding, Arthur T., London, England. Combination cigarette and match case. 1,534,519; Apr. 21.

Goodman, William A., Los Angeles, Calif. Electric heater. 1,534,778; Apr. 21.

Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)

Goodrich, B. F., Company, The. (See Shook, Florain J., assignor.)

Gossett, Robert W., assignor to Manufacturers' Equipment Company, Spartanburg, S. C. Spinning-frame stopping mechanism. 1,534,262; Apr. 21.

Gossett, Robert W., assignor to Manufacturers' Equipment Company, Spartanburg, S. C. Builder mechanism. 1,534,263; Apr. 21.

Gouldbourn, Joseph, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,534,110; Apr. 21.

Goza, Jesse R., Louisville, Miss. Safety attachment for razors. 1,534,312; Apr. 21.

Graham, David M., Bordulac, N. Dak. Harvester and stacker. 1,534,111; Apr. 21.

Graham, David M., Bordulac, N. Dak., assignor to Graham-Roach Harvester and Stacker Company of North Dakota. Apparatus for cutting and stacking grain. 1,534,112; Apr. 21.

Graham-Roach Harvester and Stacker Company of North Dakota. (See Graham, David M., assignor.)

Gravell, James H., Elkins Park, Pa. Preparing metals for painting. 1,534,446; Apr. 21.

Gray, Chesleigh, Indianapolis, Ind. Cement-road-making machine. 1,534,176; Apr. 21.

Gray, Tom F., Manchester, England. Valve. 1,534,701; Apr. 21.

Great Western Sugar Company, The. (See Dahlberg, Henry W., assignor.)

Green, Charles, Brooklyn, assignor to Charles Green Company, Inc., New York, N. Y. Display card. Des. 67,079; Apr. 21.

Green, Charles, Company. (See Green, Charles, assignor.)

Greene, Richard A., Brooklyn, N. Y., assignor to J. Burns & Sons. Nut mill. Re16,046; Apr. 21.

Griffith, Thomas E., and L. L. Dodds, assignors to The W. S. Tyler Company, Cleveland, Ohio. Operating mechanism for elevator doors. 1,534,210; Apr. 21.

Grim, Edward H., Dott, W. Va. Apparatus for operating mine doors, switches, or the like. 1,534,702; Apr. 21.

Grimme, Natalis & Co., Aktiengesellschaft. (See Ewald, H., and Wernecke, assignors.)

Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,080; Apr. 21.

Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,081; Apr. 21.

Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)

Gruber, Arthur H., Ludington, Mich. Tread for automobile tires. Des. 67,082; Apr. 21.

Gruen Watch Company, The. (See Schwettman, Harry W., assignor.)

Grunewald, Robert H. C. (See Bath, J., and Grunewald.)

Guest, Charles, Cleveland, Ohio. Roof brick. 1,534,177; Apr. 21.

Gulf Refining Company. (See McAfee, Almer M., assignor.)

Gulick, Edward J., and M. V. Hawkins, assignors to C. G. Conn, Ltd., Elkhart, Ind. Machine for forming sockets on musical instruments. 1,534,520; Apr. 21.

Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Wire hanger. 1,534,703; Apr. 21.

Guy's Calculating Machines Limited. (See Blaches, Charles F., assignor.)

Haage, Frederick G., Clifton, N. J. Snap. 1,534,944; Apr. 21.

Hadaway, John B., Swampscott, and T. H. Seely, Malden, Mass., assignors to United Shoe Machinery Corporation, Paterson, N. J. Insole-reenforcing machine. 1,534,118; Apr. 21.

Hain, Folke B. L., Malmo, Sweden. Electric relay. 1,534,945; Apr. 21.

Halbeck, Oscar, Brooklyn, N. Y. Cleaning device. 1,534,521; Apr. 21.

Hall, Roy F., Harrisburg, Ill. Iron. 1,534,946; Apr. 21.

Halliday, Louis B., Cincinnati, Ohio. Game apparatus. 1,534,522; Apr. 21.

Hallman, Ludlow B., Dothan, Ala. Machine for destroying boll weevils. 1,534,947; Apr. 21.

Hallquist, Einar G., Edwardsville, Ill., assignor to Commonwealth Steel Company, St. Louis, Mo. Railway truck. 1,534,114; Apr. 21.

Halvorson, Cromwell A. B., jr., Lynn, Mass. Headlight. 1,534,849; Apr. 21.

Hamel, Joseph O. (See McLaughlin, J. E., and Hamel.)

Hamilton, Frank S., Boston, Mass. Dust cap for valve stems of pneumatic tires. 1,534,850; Apr. 21.

Hamilton, Thomas C., Boston, Mass. Bottle-cap puller. 1,534,211; Apr. 21.

Hammond, John H., jr., Gloucester, Mass. Receiving system for radiant energy. 1,534,704; Apr. 21.

Hammond, William H., et al. (See Lundy, John C., assignor.

Hancock, Jesse E., Du Pont, Ga. Dumping grate. 1,534,880; Apr. 21.

Hannemann, Robert H., Wausau, Wis. Air-moistening device for engines. 1,534,881; Apr. 21.

Hansalpakar, Edwin, assignor to Brockton Heel Company, Inc., Brockton, Mass. Heel-building machine. 1,534,313; Apr. 21.

Hanscom, Walter G. (See Peet, E. L., Hanscom, and Smith.)

Hansen, Abel, Metuchen, N. J. Bathtub mold. 1,534,779; Apr. 21.

Hansen, Abel, Metuchen, N. J. Apparatus for making porcelain legs. 1,534,780; Apr. 21.

Hanson, Rodney L., Dayton, Ohio, assignor, by mesne assignments, to National Sewing Machine Company, Belvidere, Ill. Tension device for sewing machines. 1,534,264; Apr. 21.

Harder, Stephen, Washington, D. C. Line-justification-indicating mechanism. 1,534,523; Apr. 21.

Harder, Stephen, Washington, D. C. Signal means for record-strip composing machines. 1,534,524; Apr. 21.

Hardy, Haslett M. (See Thiedemann, W. L., and Hardy.)

Hardy, Samuel, Hoboken, N. J., assignor to A. G. Spalding & Bros., New York, N. Y. Center strap for tennis nets. 1,534,447; Apr. 21.

Harkort, Fred, Monterey, Calif. Wave motor. 1,534,115; Apr. 21.

Harper, Martin A. J., London, England. Cinematographic apparatus. 1,534,949; Apr. 21.

Harris, Miletus B., Richmond, Va. Sash-glazing device. 1,534,705; Apr. 21.

Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Bracelet. 1,534,586; Apr. 21.

Harrison, William H., Philadelphia, Pa. Garment hanger. 1,534,265; Apr. 21.

Hart, Gertrude C., assignor to Protestant Women's National Civic Federation, Chicago, Ill. Badge. Des. 67,083; Apr. 21.

Hartman, Clarence P. (See Bishop, George D., and Hartman.)

Hartmann, Max, and J. Kägi, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Acylated diamine. 1,534,525; Apr. 21.

Hartogs, Jacques C., Arnhem, Netherlands. Spinning viscose. 1,534,382; Apr. 21.

Haskell, Broderick, Franklin, assignor to Davis Brake Beam Company, Johnstown, Pa. Brake-beam support. 1,534,587; Apr. 21.

Haskell, Broderick, Franklin, assignor to Davis Brake Beam Company, Johnstown, Pa. Brake-beam support. 1,534,588; Apr. 21.

Haslam, William, assignor of one-half to W. A. Damschke, South Melbourne, Australia. Disk wheel for vehicles. 1,534,383; Apr. 21.

Hawkins, Morris V. (See Gulick, E. J., and Hawkins.)

Hawkins, William W., Brooklyn, N. Y., assignor to Webster Electric Company, Racine, Wis. Ignition system. 1,534,384; Apr. 21.

Hawley, Charles G., assignor to Locomotive Firebox Company, Chicago, Ill. Locomotive boiler. 1,534,590; Apr. 21.

Hawley, Charles T. (See Smith, C., and Hawley.)

Hauser, Ernst, Schaffhausen, Switzerland. Oil container for electric apparatus. 1,534,448; Apr. 21.

Hausser, Edward S., Joliet, Ill. Electric doorknob alarm. 1,534,589; Apr. 21.

Hazel-Atlas Glass Company. (See Oliver, G. G., and Stenhouse, assignors.)

Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)

Heeter, Charles M. and J. W., Butler, Pa. Control packer head. 1,534,851; Apr. 21.

Heeter, Joseph W. (See Heeter, Charles M. and J. W.)

Heintz, Leo I., assignor to Heintz Manufacturing Company, Philadelphia, Pa. Bending metal. 1,534,314; Apr. 21.

Heintz Manufacturing Company. (See Heintz, Leo I., assignor.)

Hemphill Company. (See Bosworth, George P., assignor.)

Henkel, George W., and A. B. Updike, San Francisco, Calif. Air and vapor supplying and cleaning device for engines. 1,534,385; Apr. 21.

Hepworth, John W. (See Keyser, George, assignor.)

Hercules Gas Engine Company. (See McMullen, V. E., and Woodruff, assignors.)

Hercules Match Corporation. (See Nevins, Thomas C., assignor.)

Herman, John E. (See Bornhauser, O. E., and Herman.)

Herman, Kenneth R. (See Riedele, P., Cason, and Herman.)

Hernandez, Mae, Brooklyn, N. Y. Combination corset and brassière. 1,534,950; Apr. 21.

Herre, Alfred. (See Bauer, W. and Herre.)

Herskovitz, Max, assignor to Peerless Light Company, Chicago, Ill. Electric-socket structure. 1,534,706; Apr. 21.

Herzog, Robert. (See Scheller, O., and Herzog.)

Heslewood, William R., assignor to M. and H. Piston Ring Co., Oakland, Calif. Piston ring. 1,534,286; Apr. 21.

Hess, Edward B., Manhattan Beach, assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,534,116; Apr. 21.

Hess, Willis C., Detroit, Mich. Carburetor. 1,534,212; Apr. 21.

Hetherington, John, and Sons Limited. (See Horridge, James, assignor.)

Heyns, Hugo E., Chicago, Ill. Attachment for check-controlled apparatus. 1,534,117; Apr. 21.

Hickok Manufacturing Company. (See Shields, Lowell W., assignor.)

Hicks, William W. (See Kercher, A. J., and Hicks.)

Hiemer, Ferdinand, Plainfield, N. J. Internal-combustion motor. 1,534,951; Apr. 21.

Hildebrandt, Frank H., and C. N. Frey, Pittsburgh, Pa., assignors, by mesne assignments, to The Fleischmann Company. Treating and preparing yeast. 1,534,387; Apr. 21.

Hill, Guy, Washington, D. C. Variable condenser. 1,534,213; Apr. 21.

Hill, Henry C., Cincinnati, Ohio. Automobile speed controller. 1,534,526; Apr. 21.

Hill, James. (See Baddiley, J., Shepherdson, Swann, Hill, and Lawrie.)

Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Oil switch. 1,534,707; Apr. 21.

Hitchcock, Harry W., Berkeley, Calif., assignor to American Telephone and Telegraph Company. Adjusting balance between electrical conductors or networks. 1,534,118; Apr. 21.

Hoagland, Orville, J., Peru, Ind. Fishing-rod holder. 1,534,642; Apr. 21.

Hobbs Manufacturing Company. (See Copeland, Eugene A., assignor.)

Hobday, Herbert L., and F. W. Nunn, assignors to Nunnday Proprietary Limited, Melbourne, Australia. Casting of dentures in metal. 1,534,952; Apr. 21.

Hochberg, Oscar, New York, N. Y., and J. W. Steinmeyer, East Orange, N. J., assignors to American Car and Foundry Company, St. Louis, Mo. Uncoupling device. 1,534,119; Apr. 21.

Hodges, Arthur, Baltimore, Md. Game apparatus. 1,534,591; Apr. 21.

Hoe, R., & Co. (See Roesen, Oscar, assignor.)

Hoffman, Paul, Western Springs, Ill. Railway frog. 1,534,178; Apr. 21.

Hogue, Oliver D., Brookline, Mass. Electrically-heated humidifying apparatus. 1,534,388; Apr. 21.

Hohman, Charles J., Rockaway Park, N. Y. Electric paint and varnish scraper. 1,534,953; Apr. 21.

Hoke, William E., Baltimore, Md. Glazing cast iron. 1,534,708; Apr. 21.

Holley, Earl. (See Melocke, Daniel H., assignor.)

Holoubek, Karel. (See Horak, H., and Holoubek.)

Holt, Francis A., Elmhurst, N. Y. Conducting electrolytic operations. 1,534,709; Apr. 21.

Holt, John T., Los Angeles, Calif. Bathtub mat. 1,534,214; Apr. 21.

Holtz, Emil T., Shell Lake, Wis. Gaff hook. 1,534,954; Apr. 21.

Holsapfel Albert O., New York, N. Y. Treatment of bituminous substances. 1,534,389; Apr. 21.

Hood, Frank E. (See Sammis, L. B., and Hood.)

Hood Rubber Company. (See Perrault, Joseph E., assignor.)

Hoopes, William, assignor to Aluminum Company of America, Pittsburgh, Pa. Electrolytically-refined aluminum and articles made therefrom. 1,534,315; Apr. 21.

Hoopes, William, Pittsburgh, and F. C. Frary, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Refining aluminum electrolytically with fused electrolytes. 1,534,319; Apr. 21.

Hoopes, William, Pittsburgh, F. C. Frary, and J. D. Edwards, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Production of metallic aluminum from impure materials. 1,534,316; Apr. 21.

Hoopes, William, Pittsburgh, F. C. Frary, and J. D. Edwards, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Electrolytic production of aluminum. 1,534,317; Apr. 21.

Hoopes, William, Pittsburgh, F. C. Frary, and J. D. Edwards, Oakmont, assignors to Aluminum Company of America, Pittsburgh, Pa. Electrolytic refining of aluminum. 1,534,318; Apr. 21.

Hoopes, William, Pittsburgh, J. D. Edwards, Oakmont, Pa., and B. T. Horsfield, Badin, N. C., assignors to Aluminum Company of America, Pittsburgh, Pa. Electrolytic cell and lining the same. 1,534,322; Apr. 21.

Hoopes, William, assignor to Aluminum Company of America, Pittsburgh, Pa. Cells for electrolytic refining or separating process. 1,534,320; Apr. 21.

Hoopes, William, assignor to Aluminum Company of America, Pittsburgh, Pa. Lining cells for electrolytic refining. 1,534,321; Apr. 21.

Hopkins, Alfred T. (See Sellew, William H., and H. W., assignors.)

Hopkins, Cecil B., San Francisco, Calif. Concrete form. 1,534,215; Apr. 21.

Hopkins, Charles E., deceased, Plainfield, N. J.; The Plainfield Trust Company, administrator. Casting machine. 1,534,710; Apr. 21.

Hopkins, Robert C., Alliance, Ohio. Pickling-tank construction. 1,534,643; Apr. 21.

Horak, Henry, and K. Holoubek, New York, N. Y. Alarm device for automobiles. 1,534,955; Apr. 21.

Hornung, Anton N., Los Angeles, Calif. Latch for refrigerator doors. 1,534,216; Apr. 21.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, Lancaster, England. Combing machine. 1,534,781; Apr. 21.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, England. Machine for combing cotton, wool, and the like. 1,534,782; Apr. 21.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Manchester, Lancaster, England. Combing machine. 1,534,783; Apr. 21.

Horridge, James, Bolton, assignor to John Hetherington and Sons Limited, Vulcan Works, Ancoats, Manchester, England. Machine for combing cotton, wool, and the like. 1,534,784; Apr. 21.

Horsfield, Basil T. (See Hoopes, W., Edwards, and Horsfield.)

Horton, E., & Son Company, The. (See Cutler, Wallace M., assignor.)

Horton, Eugene L., San Francisco, Calif. Game. 1,534,390; Apr. 21.

Hoskin, Edmund F., assignor to William A. Spinks & Co., Chicago, Ill. Billiard table. 1,534,711; Apr. 21.

Hoskin, Edmund F., assignor to Wm. A. Spinks & Co., Chicago, Ill. Billiard table. 1,534,712; Apr. 21.

Hotter, Edward, Chicago, Ill. Die-casting machine. 1,534,266; Apr. 21.

Houck, Henry C., Seattle, Wash. Dental oven. 1,534,592; Apr. 21.

Hough, Arthur. (See Leonhard, W. C., Dufford, and Hough.)

Houghtaling, Walter A., Dunellen, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Trouble indicator for telegraph systems. 1,535,074; Apr. 21.

Houseman, Wilbur L., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del. Mechanism for producing openwork on knitting machines. 1,534,785; Apr. 21.

Howard, Hasting P., deceased, Memphis, Tenn., assignor of one-half to A. S. Cook, jr., N. L. Howard, administratrix. Store furniture. 1,534,644; Apr. 21.

Howard, Nora L., administratrix. (See Howard, Hasting P.)

Howard, William H., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Process of and apparatus for treating waste smelter gases. 1,534,323; Apr. 21.

Howard, William H., Salt Lake City, Utah, assignor to American Smelting and Refining Company, New York, N. Y. Discharging smelter gases. 1,534,324; Apr. 21.

Howarth, William, Rochdale, England. Endless belt. 1,534,120; Apr. 21.

Hoyt, Lester F., East Aurora, assignor to Larkin Co. Inc., Buffalo, N. Y. Liquid contact insecticide. 1,534,325; Apr. 21.

Huber, Fritz, assignor to H. Lanz, Mannheim, Baden, Germany, a copartnership. Motor-driven vehicle. 1,534,645; Apr. 21.

Hudson, Byron A., Woonsocket, R. I. Snow guard. 1,534,449; Apr. 21.

Hughes, John R., Hoboken, N. J. Toy vehicle. 1,534,956; Apr. 21.

Humphrey, Orlando O., East Leavenworth, Mo. Tobacco steaming and drying apparatus. 1,534,713; Apr. 21.

Hunter, John A., Cleveland, Ohio. Syringe. 1,534,852; Apr. 21.

Hunton, Ethel P., Los Angeles, Calif. Support for strands of hair switches. 1,534,391; Apr. 21.

Hurley, Elmer D., Sweetwater, Tex. Miter machine. 1,534,957; Apr. 21.

Hurxthal, Alpheus O., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Loop drier. 1,534,853; Apr. 21.

Huss, Gustaf H., assignor to Bergsunds Mekaniska Verkstads Aktiebolag, Stockholm, Sweden. Multiple-path device. 1,534,958; Apr. 21.

Hussey, Howard E., assignor to Rotograph Motion Picture Machine Company, Milwaukee, Wis. Moving-picture projector. 1,534,326; Apr. 21.

Huston, James H. (See Weisenburger, J., and Huston.)

Hydraulic Pressed Steel Company, The. (See Krans, H. W., and Klaus, assignors.)

Imperial Glass Company. (See Oldham, Charles W., assignor.)

Indiana Equipment Corporation. (See Shadle, Clinton F., assignor.)

Ingersoll, Howard L., Pound Ridge, N. Y. Controlling mechanism for booster motors. 1,534,460; Apr. 21.

Inglis, William D., Richford, Vt. Wood steamer. 1,534,121; Apr. 21.

Insulating Materials Company. (See Gates, Walter S., assignor.)

Interstate Folding Box Company, The. (See Butterfield, Charles, assignor.)

International Agricultural Corporation, The. (See Barr, James A., assignor.)

International Couplers Company. (See White, Walter C., assignor.)

International Money Machine Company. (See Sorum, A. B., and Brockman, assignors.)

International Motor Company. (See Wirrer, Gottfried, assignor.)

International Packing Machine Company. (See Lev. Frank W., assignor.)

International Silver Co. (See Stark, Frederick W., assignor.)

Israel, Lester L., now by judicial change of name L. L. Jones, Opadell, N. J., assignor to E. J. Simon, New York, N. Y. Electrical coil apparatus. 1,534,959; Apr. 21.

Jacobs, Henry T. (See Leberman, L. L., and Jacobs.)

Jacques, George W., Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Duplex fastener-setting machine. 1,534,064; Apr. 21.

Janssen, Jean F., Levallois-Perret, France. Windshield holder. 1,534,302; Apr. 21.

Jarvis, Harper L. (See Campbell, Earl E., assignor.)

Jaso, Sebero, San Antonio, Tex. Safety attachment for razors. 1,534,786; Apr. 21.

Jenkins, Cloyed M., Dodge City, Kans. Motor-hoisting hitch. 1,535,022; Apr. 21.

Jennings, O. D., & Company. (See Garbell, Max, assignor.)

Jennings, Ode D. (See Krema, John F., assignor.)

Jerome, Benjamin, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Curtain support. 1,534,714; Apr. 21.

Jerome, Benjamin, Pontiac, assignor to General Motors Corporation, Detroit, Mich. Headlamp support. 1,534,715; Apr. 21.

John, Paul. (See Gaigocsi, Walter, assignor.)

Johnson, Frederick G. L. (See Lucas, O. D., and Johnson.)

Johnson, Marshall L. (See Davidson, William M., assignor.)

Johnson, Merle, assignor to F. Walton, New York, N. Y. Statuette. Des. 67,084; Apr. 21.

Johnson, Warren V., Bloomsburg, Pa., assignor to American Car and Foundry Company, New York, N. Y. Roller-bearing journal box. 1,534,123; Apr. 21.

Johnson, William S., and J. W. Sheffer, Berwick, Pa., assignors to American Car and Foundry Company, St. Louis, Mo. Electric rivet heater. 1,534,122; Apr. 21.

Johnston, Frank N., assignor of one-half to C. Y. Beard, Cheyenne, Wyo. Automatic air-brake-control mechanism. 1,534,217; Apr. 21.

Jones & Laughlin Steel Corporation. (See Wagner, Fred W., assignor.)

Jones, Byron Q., Washington, D. C. Lock for tongs. 1,534,218; Apr. 21.

Jones, Edward T., administrator. (See Stryker, Walter W.)

Jones, Eli, Lexington, Tenn. Well strainer. 1,534,960; Apr. 21.

Jones, John W., Clifford, Ill. Automatic car coupler. 1,534,961; Apr. 21.

Jones, Lester L. (See Israel, Lester L.)

Jontz, Guy F., Clinton, Iowa. Toy. 1,534,787; Apr. 21.

Joseph, Harry F., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Grinding. 1,534,393; Apr. 21.

Joseph, Henry, Grayling, Mich., assignor, by mesne assignments, to Tucker Rubber Corporation, Buffalo, N. Y. Rubber fabrication. 1,534,527; Apr. 21.

Josué, Erminio, Ancona, assignor to himself and L. Violini, Falconara Marittima, Italy. Briquette of charcoal and piteoal. 1,534,962; Apr. 21.

Judd, Carroll E., Zanesville, Ohio. Renewable bearing. 1,534,963; Apr. 21.

Judd, William E. (See Fridena, D. T., and Judd.)

Judelson, Louis, New York, N. Y. Washing machine. 1,534,788; Apr. 21.

Judelson, Louis, New York, N. Y. Gear. 1,534,789; Apr. 21.

Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Elastic-fluid turbine. 1,534,716; Apr. 21.
Kägi, Johann. (See Hartmann, M., and Kägi.)
Kahle, Glen, Dallas, Tex. Well-flowing device. 1,534,717; Apr. 21.
Kahlow, Arthur, assignor to Peerless Traveling Goods Co., Mayville, Wis. Suitcase. 1,534,646; Apr. 21.
Kahnweiler, Sidney B., New York, N. Y. Animal toy. 1,534,964; Apr. 21.
Kaplan, William. (See Leviton, A., and Kaplan.)
Kappelmann, William. (See Flechti, F., and Kappelmann.)
Katona, Louis F., assignor of one-half to F. C. Wolf, Los Angeles, Calif. Bottle-washing machine. 1,534,718; Apr. 21.
Kaufman, Frank M., Philadelphia, Pa. Textile fabric. Des. 67,085; Apr. 21.
Kauter, Franz, Zurich, Switzerland. Combined rotary unit. 1,534,451; Apr. 21.
Kaya, Charles A. (See Wilhelm, J., and Kays.)
Kazienko, Julian, Rosebank, N. Y. Color-sifting machine. 1,534,394; Apr. 21.
Keeler, Andrew L. (See Morgan, C. N., and Keeler.)
Keeler, Henry C., Retsil, Wash. Lock for valves. 1,534,965; Apr. 21.
Keller, John R., Glenshaw, Pa., assignor to The Ohio Foundry & Manufacturing Co., Steubenville, Ohio. Gas heater. Des. 67,086; Apr. 21.
Kelley, Carleton H., Kalispell, Mont. Sectional mold for concrete structures. 1,535,023; Apr. 21.
Kellogg, Edward W., Schenectady, N. Y., assignor to General Electric Company. Radio receiving system. 1,534,719; Apr. 21.
Kellogg, Edward W., and C. W. Rice, Schenectady, N. Y., assignors to General Electric Company. Radio receiving system. 1,534,720; Apr. 21.
Kelly, Joseph A., Clinton, Iowa. Folding bed. 1,534,395; Apr. 21.
Kemmerling, Jacob F., Cleveland Heights, Ohio. Roofing bracket. 1,534,647; Apr. 21.
Kemp, John B., Ridgewood, N. J. Pad holder. 1,534,124; Apr. 21.
Kempton, Herbert E. (See Conradson, P., Kempton, and Gallimore.)
Kennedy, Rhesa F., Hattiesburg, Miss. Boll-weevil exterminator. 1,534,219; Apr. 21.
Kennedy, Willis P., Rogersville, Ala. Rat trap. 1,534,528; Apr. 21.
Kenney, Mary A. (See Westcott, Pling K., assignor.)
Kent, Arthur A., Ardmore, Pa. Loud speaker. 1,534,267; Apr. 21.
Kercher, Arthur J., Berkeley, Calif. Automobile radiator heater. 1,534,220; Apr. 21.
Kercher, Arthur J., Berkeley, and W. W. Hicks, San Francisco, Calif. Electric floor heater. 1,534,221; Apr. 21.
Keyser, George, assignor of one-half to J. W. Hepworth, Philadelphia, Pa. Machine for uniting looped fabrics. 1,534,452; Apr. 21.
Keystone Machine & Engineering Company. (See Watson, Harry C., assignor.)
Keystone Mfg. Co., The. (See Miller, Edwin S., assignor.)
Kilfeather, Thomas J., Brooklyn, N. Y. Window cleaner. 1,534,966; Apr. 21.
Kil-Glar Company. (See Banks, John D., assignor.)
Killen, Edward B., London, England. Rubber tire. 1,534,529; Apr. 21.
Killian, Herman. (See Peschke, C., and Killian.)
Kimura, Lawrence Y., Richmond, Calif. Drawing instrument. 1,534,396; Apr. 21.
King, Bertell W., New York, N. Y. Barge conveyer. 1,534,593; Apr. 21.
Kinney-Rome Company. (See Kinney, William H., assignor.)
Kinney, William H., assignor to Kinney-Rome Company, Chicago, Ill. Spring structure and assembling same. 1,534,268; Apr. 21.
Kite, George W., Atlantic City, N. J. Badge or similar article. Des. 67,087; Apr. 21.
Klaus, Fred R. (See Kranz, H. W., and Klaus.)
Klebanoff, David, et al. (See Grossman, Samuel, assignor.)
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Body for lighting fixtures. Des. 67,088; Apr. 21.
Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Ceiling light. Des. 67,089; Apr. 21.
Klesler, Joseph A., Portland, Oreg. Plumb bob. 1,534,397; Apr. 21.
Klett Manufacturing Company. (See Klett, Robert E., assignor.)
Klett, Robert E., Ridgefield Park, N. J., assignor to Klett Manufacturing Company, Inc., New York, N. Y. Colorimeter. 1,535,070; Apr. 21.
Klinger, Louis, Brooklyn, N. Y. Cleaning device. 1,534,179; Apr. 21.
Klugh, Bethune G., Chicago, Ill., assignor to Federal Phosphorus Company, Birmingham, Ala. Electrode-joint compound. 1,534,269; Apr. 21.
Knap, Thomas S., assignor to The Lamson Company, Syracuse, N. Y. Conveyer system. 1,535,075; Apr. 21.
Knauer, Ernst, Los Angeles, Calif. Ore-reducing process. 1,534,648; Apr. 21.
Kniffen, John L. (See Rogers, Theron M., and Kniffen.)
Knowlton, M. D., Company. (See Ladd, James B., assignor.)
Knox, John, Perth Amboy, N. J., assignor to Dwight & Lloyd Sintering Company, New York, N. Y. Pallet for sintering machines. 1,534,398; Apr. 21.
Koch, Francis M., assignor to The Republic Stamping & Enameling Company, Canton, Ohio. Charging fork for enameling furnaces. 1,534,649; Apr. 21.
Koehring Company. (See Webb, George R., assignor.)
Kohler, Conrad, Zurich, Switzerland. Water cooler for locomotives. 1,534,453; Apr. 21.
Koken, Walter F., St. Louis, Mo. Barber's chair. 1,534,270; Apr. 21.
Koken, Walter F., St. Louis, Mo. Electrically-operated barber chair. 1,534,271; Apr. 21.
Koken, Walter F., St. Louis, Mo. Foot-rest-operating mechanism for reclining chairs. 1,534,272; Apr. 21.
Koken, Walter F., St. Louis, Mo. Hydroelectric barber chair. 1,534,790; Apr. 21.
Komarek, Gustav, Chicago, Ill., assignor, by mesne assignments, to Malcolmson Engineering and Machine Corporation, St. Louis, Mo. Drier. 1,534,180; Apr. 21.
Korczynski, Ludomir, Cracow, Poland. Sparking plug. 1,534,065; Apr. 21.
Kraft, McClellan B., Spring Grove, Pa. Flexible coupling. 1,534,399; Apr. 21.
Krainer, Samuel, Chicago, Ill. Hat lining. 1,534,181; Apr. 21.
Kranz, Harry W., and F. R. Klaus, assignors to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Pickling machine. 1,535,024; Apr. 21.
Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc. Backplate for lighting fixtures. Des. 67,090; Apr. 21.
Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc. Backplate for lighting fixtures. Des. 67,091; Apr. 21.
Krause, Arthur R., Woodhaven, N. Y., assignor to Lion Electric Manufacturing Co., Inc. Backplate for lighting fixtures. Des. 67,092; Apr. 21.
Krema, John F., assignor to O. D. Jennings, Chicago, Ill. Vending machine. 1,534,273; Apr. 21.
Kronquest, Alfred L. (See Eastman, F. A., jr., and Kronquest.)
Krump, Nic, Chicago, Ill. Angle-iron cutter. 1,534,274; Apr. 21.
Kundig, Hans, New York, N. Y. Hydraulic steering gear. 1,534,791; Apr. 21.
Kurek, Edmund, and R. E. Pospisil, Chippewa Falls, Wis. Recovering fat and casein from cheese. 1,534,400; Apr. 21.
Kusiel, Stanley J., Holyoke, Mass. Combined stamping and counting machine. 1,534,550; Apr. 21.
Kusyk, Harry, and F. Mandsuk, assignors of one-half to P. Stacharuk, Smoky Lake, Alberta, Canada. Automatic gate. 1,534,967; Apr. 21.
Lackstrom, Albin J., Oakland, Calif. Vehicle direction indicator. 1,534,222; Apr. 21.
Ladd, Caleb H. (See Eldredge, H. C., and Ladd.)
Ladd, James B., Ardmore, Pa., assignor to M. D. Knowlton Company, Rochester, N. Y. Box-blank-forming machine. 1,534,125; Apr. 21.
Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Relayless counter. 1,534,531; Apr. 21.
Lake, Clair D., Binghamton, assignor to The Tabulating Machine Company, Endicott, N. Y. Relayless counter. 1,534,532; Apr. 21.
Lambert Machine Company. (See Ely, Bernard M., assignor.)
Lamson Company, The. (See Knap, Thomas S., assignor.)
Lange, Arthur E., jr. (See Erni, W., and Lange.)
Lans, Heinrich. (See Huber, Fritz, assignor.)
La Port, George E., St. Joseph, Mo. Advertising device. 1,534,223; Apr. 21.
Lappert, Edward D., New Martinsville, W. Va. Broom. 1,534,401; Apr. 21.
Larkey, Riley E., Enid, Okla. Extracting tool. 1,534,066; Apr. 21.
Larkin Co. Inc. (See Hoyt, Lester F., assignor.)
Larrey, Teodoro, and L. Godard, Mexico, Mexico. Combined steam superheater and draft-distributing deflector. 1,534,402; Apr. 21.
Larson, Jacob H., Gresham, Oreg. Refuse-oil burner. 1,534,650; Apr. 21.
Larson, Raymond, De Kalb, Ill. Cement reenforcement. 1,534,968; Apr. 21.
Lasche, Fritz, administrator. (See Lasche, Oskar.)
Lasche, Oskar, deceased; F. Lasche, administrator, Westend, assignor to Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Construction of elastic-fluid turbines to prevent breakage of blades due to vibrations. 1,534,721; Apr. 21.
Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Corporation, New York, N. Y. Card-registration mechanism. 1,534,594; Apr. 21.
Lasker, William W., Brooklyn, assignor to Powers Accounting Machine Corporation, New York, N. Y. Pin-box construction for sorting machines. 1,534,595; Apr. 21.

Lawler, Frank J., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Stripping vulcanized material from molds. 1,534,403; Apr. 21.
Lawrence, Stephen A., Okmulgee, Okla. Fishhook. 1,534,969; Apr. 21.
Lawrie, Leslie G. (See Baddiley, J., Shepherdson, Swann, Hill, and Lawrie.)
Lee, Norman, London, England. Production of electrical oscillations by means of thermionic valves. 1,534,970; Apr. 21.
Leahy, Richard A., Bonne Terre, Mo. Concentrator construction. 1,534,224; Apr. 21.
Leathers, Ward, Haworth, N. J. Turbine-driven car and locomotive. 1,534,275; Apr. 21.
Leberman, Laurence L., and H. T. Jacobs, Meadville, Pa. Combined spinner and fly. 1,534,722; Apr. 21.
Lee, Thomas W., Batavia, Ohio. Machine for rounding gear teeth. 1,534,971; Apr. 21.
Lemieux, Frank J., Pawtucket, R. I. Pump piston. 1,534,225; Apr. 21.
Leonhard, William C., Passaic, J. B. Dufford, Paterson, and A. Hough, Summit, N. J. Bleaching sulphuric acid. 1,534,226; Apr. 21.
Lev, Frank W., assignor to International Packing Machine Company, New York, N. Y. Feeding device for wrapping machines. 1,534,596; Apr. 21.
Leviton, Adolph, and W. Kaplan, Brooklyn, N. Y. Needle-operating mechanism for knitting machines. 1,534,972; Apr. 21.
Leviton, Adolph, and W. Kaplan, Brooklyn, N. Y. Needle-operating mechanism. 1,534,973; Apr. 21.
Lewis, Archelaus, Cumberland Mills, Me. Suction box and cover therefor for use in Fourdrinier machines. 1,534,854; Apr. 21.
Lewis, Edward H., Bridgeport, Conn., assignor to General Electric Company. Sectional switch box. 1,534,723; Apr. 21.
Lewis, James P., Oakland, Calif. Building wall. 1,534,454; Apr. 21.
Libbey-Owens Sheet Glass Company, The. (See Belden, C. W., and Bunard, assignors.)
Lincoln Steel and Forge Company. (See Barks, Frank S., assignor.)
Linden, John O., Chicago, Ill. Massage device. 1,534,974; Apr. 21.
Lindfors, Victor E., Butte, Mont. Cue-tip scraper. 1,534,975; Apr. 21.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Composition. 1,534,661; Apr. 21.
Lion Collars & Shirts, Inc. (See Barker, William, jr., assignor.)
Lion Electric Manufacturing Co. (See Krause, Arthur R., assignor.)
Lioned Corporation, The. (See Cowen, Joshua L., assignor.)
Litchfield, George A., assignor to Litchfield Shuttle Company, Southbridge, Mass. Loom shuttle. 1,535,076; Apr. 21.
Litchfield Shuttle Company. (See Litchfield, George A., assignor.)
Lithgoe, John, assignor to Diamond Coal Cutter Company Limited, Wakefield, York, England. Rotary engine. 1,534,182; Apr. 21.
Little, Horace V. (See Little, Kneud E., assignor.)
Little, Kneud E., Tahlequah, Okla., assignor to H. V. Little, Pasadena, Calif. Drilled or bored well bucket. 1,534,455; Apr. 21.
Livergood, Gerald R., Houston, Tex. Pipe-engaging slip. 1,534,227; Apr. 21.
Livergood, Gerald R., Houston, Tex. Multiple-jaw slip for engaging pipes. 1,534,228; Apr. 21.
Livergood, Gerald R., Houston, Tex. Fishing tool. 1,534,229; Apr. 21.
Locklin, Charles R., Detroit, Mich. Windshield wiper. 1,534,276; Apr. 21.
Locomotive Firebox Company. (See Hawley, Charles G., assignor.)
Lomax, Joshua A. B., Bolton, W., and J. Turner, Chorley, and J. B. Bentley, Clayton-le-Woods, near Chorley, England. Shuttle-checking mechanism for looms. 1,534,792; Apr. 21.
Longman, Charles A., Logan, Iowa. Chain coupling. 1,534,976; Apr. 21.
Longpre, Olive L. (See Brede, M. H., and Longpre.)
Lopez, Jesus M., San Antonio, Tex. Timer. 1,534,230; Apr. 21.
Lorenz, C., Aktiengesellschaft. (See Pungs, Leo, assignor.)
Lorenz, C., Aktiengesellschaft. (See Scheller, O., and Hersog, assignors.)
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper bag. 1,534,652; Apr. 21.
Loven, Carl N., Oakland, Calif. Claw-hammer nail puller. 1,534,277; Apr. 21.
Lowenthal, Harry N., assignor to R. H. Beaumont Company, Philadelphia, Pa. By-pass for feeding mechanism for crushers. 1,534,855; Apr. 21.
Lucas, Owen D., and F. G. L. Johnson, assignors to Vickers Limited, Westminster, London, England. Fuse for bombs and other missiles adapted to be dropped from aircraft. 1,534,126; Apr. 21.
Lucia, Louis V., assignor to The Fuller Brush Company, Hartford, Conn. Brush. 1,534,231; Apr. 21.
Ludlam, Malcolm C. (See McGee, Joseph W., assignor.)
Ludlum Steel Co. (See Clement, Alvah W., assignor.)
Luftig, Lena, New York, N. Y. Sleeve cuff. 1,534,597; Apr. 21.
Lumpp, Charles, Lyon, France. Hydro-extractor. 1,534,278; Apr. 21.
Lund, George D., Portland, Oreg. Four-bend wing-rail track frog. 1,534,232; Apr. 21.
Lundgaard, Ivar, assignor to The Automatic Refrigerating Company, Hartford, Conn. Heat exchanger. 1,534,794; Apr. 21.
Lundy, John C., Brantford, assignor of three-fifteenths to E. E. Slaght, three-fifteenths to S. L. Squire, Toronto, and four-fifteenths to W. H. Hammond, Brantford, Ontario, Canada. Street-sweeping machine. 1,534,233; Apr. 21.
Lupton, Samuel J., Winnipeg, Manitoba, Canada, assignor to The Bird-Archer Company. Washout plug. 1,534,793; Apr. 21.
Lupton's, David, Sons Company. (See Brogden, Joah, assignor.)
Lurie, August J. (See Frederick, Joseph P., assignor.)
Lusher, Edgar H., Portland, Oreg. Razor holder. 1,534,404; Apr. 21.
Luttman, Charles H., Newburn, assignor of one-half to J. L. Ardern, Newcastle-on-Tyne, England. Spring suspension for vehicles. 1,534,583; Apr. 21.
Lyon, George N., assignor of one-half to W. B. Sullivan, Powers, Oreg. Saw support and guide. 1,534,405; Apr. 21.
Lyon, Robert B., Buffalo, N. Y. Stretching and drying apparatus. 1,534,534; Apr. 21.
MacAskill, Daniel A., assignor of one-half to L. Cunningham, Brooklyn, N. Y. Elevator safety appliance. 1,534,291; Apr. 21.
MacDonald, William W., Chicopee, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Self-closing valve. 1,534,984; Apr. 21.
MacFarland, Allis M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Percussive welding machine. 1,534,069; Apr. 21.
MacFarland, Allis M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Percussive welding machine. 1,534,070; Apr. 21.
Mackintosh-Hemphill Company. (See Talbot, Howard H., assignor.)
Macmillan, Campbell, Schenectady, N. Y., assignor to General Electric Company. Ship propulsion. 1,534,725; Apr. 21.
Maeder, Horst. (See Wolfes, O., and Maeder.)
Magnano Corporation. (See Magnano, Sebastiano, assignor.)
Magnano, Sebastiano, Lawrence, assignor to Magnano Corporation, Essex, Mass. Harness stop and signal device for looms. 1,534,127; Apr. 21.
Maine, Hiram, Indianapolis, Ind. Wind-power engine. 1,534,799; Apr. 21.
Malcolmson Engineering and Machine Corporation. (See Komarek, Gustav, assignor.)
Malkin, Bernard A. (See Russell, A. N., Malkin, and Muir.)
Malmo, Wladyslaw, Harrison, N. J. Clothesline pulley. 1,534,800; Apr. 21.
M. and H. Piston Ring Co. (See Heslewood, William R., assignor.)
Mandsuk, Fred. (See Kusyk, H., and Mandsuk.)
Mang, Gérard. (See Fournier, L., and Mang.)
Manufactures' Equipment Company. (See Gossett, Robert W., assignor.)
Marchesini, Gaetano, New York, and C. Dalboni, Staten Island, N. Y. Capping device. 1,534,184; Apr. 21.
Marcy, Frank E., Los Angeles, Calif. Ball-rolling machine. 1,534,726; Apr. 21.
Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Apparatus for measuring liquids. 1,534,128; Apr. 21.
Marden, William L., assignor to Neptune Meter Company, New York, N. Y. Sand trap and strainer. 1,534,129; Apr. 21.
Marette, Harvey. (See Beaumont, R. H., and Marette.)
Markóczi, Emeric, and S. J. Adam, assignors of one-half to F. R. Wiesner and H. Mechwart, Budapest, Hungary. Industrial utilization of strawlike materials. 1,534,286; Apr. 21.
Marsh, Edward S., assignor to Taylor Instrument Companies, Rochester, N. Y. Time-controlled valve-operating means. 1,534,985; Apr. 21.
Martin, Archibald J., assignor to V. C. Dreisbach, Philadelphia, Pa. Dispensing device. 1,534,859; Apr. 21.
Martin, Arthur, Pittsburgh, Pa. Mill for rolling tapered disks. 1,534,860; Apr. 21.
Martin, Harry C., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive disk. 1,534,861; Apr. 21.
Martin, Harry S. (See Willett, A. H., and Martin.)
Martinek, Frank K., New York, N. Y. Automatic picot-cutting attachment. 1,535,026; Apr. 21.
Martocello, Joseph A., Philadelphia, Pa. Combined coupling and valved outlet. 1,534,406; Apr. 21.
Massolle, Joseph. (See Vogt, H., Engl, and Massolle.)
Mattatuck Manufacturing Company, The. (See Fielding, William E., assignor.)
Mattern, George W., assignor to The Crawford, McGregor and Canby Company, Dayton, Ohio. Golf club. 1,534,600; Apr. 21.

Matveyeff, Michael N., New Haven, Conn. Roller skate. 1,534,601; Apr. 21.
Mauvais, Romeo, Two Rivers, Wash. Hay conveyer. 1,534,602; Apr. 21.
Mayer, Bertram, Basel, and J. Würgler, Neuewelt, near Basel, assignors to Society of Chemical Industry in Basle, Basel, Switzerland. Anthracene derivative and making the same. 1,534,535; Apr. 21.
Mayer Life Boat Co. (See Allbin, Sim E., assignor.)
Maxeau, Julian, Elmhurst, N. Y. Rail-car motive means. 1,534,801; Apr. 21.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Recovering aluminum chloride. 1,534,130; Apr. 21.
McArdle, James J., Pawtucket, R. I. Steam engine. 1,534,598; Apr. 21.
McBride, John J., Bayonne, N. J., assignor to American Car and Foundry Company, New York, N. Y. Tank-car-dome closure. 1,534,131; Apr. 21.
McClaskey, Riley, Idaho Falls, Idaho. Implement-adjusting means. 1,534,234; Apr. 21.
McClevey, Norman H., Petersburg, Ind. Coal-bucket-dumping machine. 1,534,795; Apr. 21.
McClish, Francis J., St. Louis, Mo. Image. Des. 67,093; Apr. 21.
McCollough, William A., Webster City, Iowa. Adjustable chair. 1,534,796; Apr. 21.
McCord, Arthur W., and S. W. Frazier, Washington, D. C. Coin-operated doorlock. 1,534,977; Apr. 21.
McDaniel, Leroy H. (See De Waltoff, S. A., and Daniel.)
McDonald, Gordon R., Schenectady, N. Y., assignor to General Electric Company. Automatic switching system. 1,534,724; Apr. 21.
McGee, Joseph W., Mantua, assignor to M. C. Ludlam, Woodbury, N. J. Lawn sprinkler. 1,534,979; Apr. 21.
McGough, Edward, Columbus, Ohio. Fly-paper holder. 1,534,980; Apr. 21.
McHugh, Charles A. (See McHugh, Frank H., assignor.)
McHugh, Frank H., assignor of one-half to C. A. McHugh, Philadelphia, Pa. Furnace grate. 1,534,183; Apr. 21.
McIntyre, Duncan, Gloversville, N. Y. Attachment for phonographs. 1,534,068; Apr. 21.
McKinney, Merle M., Lawrence, Kans. Door-controlling device. 1,534,981; Apr. 21.
McKinnon, Allen G., Andover, assignor to Boston Rubber Shoe Company, Malden, Mass. Composite rubber and leather material and making the same. 1,534,456; Apr. 21.
McKoy, Edwin A., and G. D. Moore, New Orleans, La. Apparatus for severing stumps. 1,534,856; Apr. 21.
McKoy, Edwin A., New Orleans, La. Planetary cutter head. 1,534,857; Apr. 21.
McKoy, Edwin A., New Orleans, La. Slitting cutter head. 1,534,858; Apr. 21.
McLaughlin, James E., and J. O. Hamel, Grandmere, Quebec, Canada. Fourdrinier type for paper-making machines. 1,534,948; Apr. 21.
McLellan, James H., Vancouver, British Columbia, Canada. Soft-drink-vending machine. 1,534,982; Apr. 21.
McLennan, James, Poland, and E. J. Pease, Niles, Ohio. Game. 1,534,599; Apr. 21.
McLeod, John, Stawell, Victoria, Australia. Apparatus for loading merchandise into vehicles. 1,534,797; Apr. 21.
McLoughlin, Francis J., Brooklyn, N. Y. Doorcheck. 1,534,235; Apr. 21.
McMaster, Harry J., Sebring, Ohio. Pencil clip. 1,534,653; Apr. 21.
McMillan, William, Belfast, Ireland. Coupling for pneumatic hose pipes. 1,534,798; Apr. 21.
McMullen, Vincent E., and W. E. Woodruff, assignors to The Hercules Gas Engine Company, Evansville, Ind. Friction-clutch pulley. 1,534,983; Apr. 21.
Meadowcroft, Joseph W., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Electrode-clamping device for electric welding machines. 1,534,457; Apr. 21.
Mecheisen, Maurits, Seattle, Wash. Can opener. 1,534,603; Apr. 21.
Mechwart, Hugo, et al. (See Markóczi, Emeric, and Adam, assignors.)
Mehner, Hermann, Berlin-Charlottenburg, Germany. Production of zinc in reverberatory furnaces. 1,535,026; Apr. 21.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Refractory-furnace lining. 1,534,237; Apr. 21.
Mercer, James D., Hugo, Colo. Liquid-measuring device. 1,534,238; Apr. 21.
Merchants Chemical Company. (See Dailey, Everett F., assignor.)
Metal & Thermit Corporation. (See Begtrup, Edward F., assignor.)
Metzger, Floyd J., New York, N. Y., assignor to Air Reduction Company, Incorporated. Illuminated instrument. 1,534,279; Apr. 21.
Meyer, Conrad M., San Francisco, Calif. Concentrator. 1,534,536; Apr. 21.
Meyer, John F., Chicago, Ill. Card-vending machine. 1,534,280; Apr. 21.
Micro Machine Company. (See Joseph, Harry F., assignor.)
Milford Textile Corporation. (See Goldman, Maurice A., assignor.)
Milk Oil Corporation, The. (See North, Charles E., assignor.)
Miller & Pardee, Inc. (See Dibelka, Henry G., assignor.)
Miller, August F., San Francisco, Calif., assignor to Schmidt Lithograph Company. Display carton. 1,535,077; Apr. 21.
Miller, Edwin E., assignor to The Keystone Mfg. Co., Buffalo, N. Y. Holder for socket-wrench sets. 1,534,537; Apr. 21.
Miller, Herman. (See Feldbush, H., and Miller.)
Miller, Louis, Brooklyn, N. Y. Banding device for automobiles. 1,534,239; Apr. 21.
Miller, Thomas S., South Orange, N. J. Cableway and operating the same. 1,534,185; Apr. 21.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Surfacing sponge rubber. Re16,047; Apr. 21.
Milner, Fred E., Blackpool, England. Lower artificial denture. 1,534,802; Apr. 21.
Milner, James E., administrator. (See Correll, Hugh.)
Mitchell Camera Co. (See Mitchell, George A., assignor.)
Mitchell, George A., assignor to Mitchell Camera Co., Los Angeles, Calif. Tripod head. 1,534,407; Apr. 21.
Moffatt, James E., assignor to Union Special Machine Company, Chicago, Ill. Differential feeding mechanism. 1,534,132; Apr. 21.
Möhl, Steffen, Copenhagen, Denmark. Underframe for vehicles of any kind. 1,534,458; Apr. 21.
Moore, Arlington, Boston, Mass. Paper container. 1,534,803; Apr. 21.
Moore, George D. (See McKoy, E. A., and Moore.)
Moore, Giles S., assignor to Trolley Shoe-Wheel Company, Indianapolis, Ind. Sleet cutter for trolley wires. 1,534,727; Apr. 21.
Morgan & Wright. (See Thompson, William, assignor.)
Morgan, Charles N., Albany, and A. L. Keeler, Troy, N. Y. Arch for boiler furnaces. 1,534,281; Apr. 21.
Morrison, Artie A., Williamsport, Pa. Adjustable reaming device. 1,535,027; Apr. 21.
Morse, Reginald A., Providence, R. I. Roller mechanism for spinning machines. 1,534,071; Apr. 21.
Mosler Lock Lock Company, The. (See Benham, Edzar M., assignor.)
Mouriam, Georges, and M. Sutter, Paris, France, assignors to The Babcock & Wilcox Company, New York, N. Y. Chain-grate stoker. 1,534,186; Apr. 21.
Muir, William P. (See Russell, A. N., Malkin, and Muir.)
Müller, Friedrich, Vienna, Austria. Internal-combustion engine. 1,534,459; Apr. 21.
Müller, Karl, Kreiensen, Germany. Cutting tool. 1,535,028; Apr. 21.
Multiple Molding Machine Co. (See Fraser, Pinkney P.)
Murch, William W., Brooklyn, N. Y. Toy. 1,535,029; Apr. 21.
Murphy, Morris J., Chicago, Ill. Base for lamps, etc. Des. 67,094; Apr. 21.
Mursch, John, Utica, N. Y. Oven for cooking stoves. 1,534,072; Apr. 21.
Murray, Thomas E., jr., Brooklyn, N. Y. Welding. 1,534,133; Apr. 21.
Murray, Thomas E., Brooklyn, N. Y. Apparatus for molding hollow articles. 1,534,134; Apr. 21.
Murray, Thomas E., jr., Brooklyn, N. Y. Axle housing. 1,534,605; Apr. 21.
Myers, Frederick, New York, N. Y. Pneumatic-tire valve. 1,534,862; Apr. 21.
Myers, Hubert A., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Clutch device. 1,534,804; Apr. 21.
Myers, Preston, Los Angeles, Calif. Vehicle traffic signal. 1,534,606; Apr. 21.
Nagel, W. C., Electric Company, The. (See Myers, Hubert A., assignor.)
National Sewing Machine Company. (See Hanson, Rodney L., assignor.)
Natoli, Giuseppe, New York, N. Y. Spark plug. 1,534,986; Apr. 21.
Nelson, Charles A. (See Tweedt, J. A. B., and Nelson.)
Nelson, Clare, Brooklyn, assignor, by mesne assignments, to C. C. Orcutt, New York, N. Y. Paper-drying machine. 1,534,460; Apr. 21.
Nelson, William E. San Antonio, Tex. Concrete building structure. 1,535,030; Apr. 21.
Neptune Meter Company. (See Marden, William L., assignor.)
Netz, George. (See Netz, Louis N. and G.)
Netz Glove & Mitten Co. (See Netz, Louis N. and G., assignors.)
Netz, Louis N. and G., assignors to Netz Glove & Mitten Co., Milwaukee, Wis. Filling for boxing gloves. 1,534,654; Apr. 21.
Nevins, Thomas A., assignor, by mesne assignments, to Hercules Match Corporation, New York, N. Y. Assembling and counting mechanism. 1,535,081; Apr. 21.
Newberry, Andrew W., executor. (See Newberry, Spencer B.)
Newberry, Spencer B., deceased; A. W. Newberry, executor, assignor to Sandusky Cement Company, Cleveland, Ohio. Cement paint. 1,534,240; Apr. 21.
New Process Multi-Castings Company. (See Wood, John E., assignor.)
Nichols, Charles E., Bellefontaine, Ohio. Stock drencher. 1,534,241; Apr. 21.

Nichols, Ralph G., Richmond Hill, assignor to American Car and Foundry Company, New York, N. Y. Self-dumping mine car. 1,534,136; Apr. 21.
Nichols, William H., Wilkinsburg, Pa. Mold. 1,534,655; Apr. 21.
Noad, William E., Jackson, Mich. Compressor. 1,534,728; Apr. 21.
Norris, Almon E., Brookline, Mass. Hoisting apparatus. 1,534,538; Apr. 21.
North, Charles E., Montclair, N. J., assignor to The Milk Oil Corporation, Wilmington, Del. Emulsifying Milk Oil. 1,534,539; Apr. 21.
Northwestern Reed and Rattan Company. (See Flood, John A., assignor.)
Nunn, Frederick W. (See Hobday, H. L., and Nunn.)
Nunndav Proprietary Limited. (See Hobday, H. L., and Nunn, assignors.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Neutralizing foreign interference. 1,534,073; Apr. 21.
Oberdorfer, Jonas L., Syracuse, N. Y. Lock for radiator caps. 1,534,607; Apr. 21.
Obersohn, Albert, Berlin-Charlottenburg, W. Wachtel, Berlin, D. Sakom, Wiesbaden, and P. Askenasy, Karlsruhe, Germany. Manufacture of colloidal substances in the form of small balls or grains. 1,534,729; Apr. 21.
O'Brien, James, Hutchinson, Kans. Coaster wagon. 1,534,730; Apr. 21.
O'Brien, Joseph F. (See Vanorio, Joseph, assignor.)
Ochs, George F. A., Newark, N. J. Track tool. 1,535,032; Apr. 21.
Odhner, Valentin J., Stockholm, Sweden. Calculating machine. 1,534,242; Apr. 21.
Oehm, Wilhelm, Dusseldorf, Germany. Method and device for the production of high temperatures. 1,534,243; Apr. 21.
Offield, James R., trustee. (See Ruby, George H. A., assignor.)
Ohio Body & Blower Company, The. (See Seelinger, William J., assignor.)
Ohio Foundry & Manufacturing Co., The. (See Keller, John B., assignor.)
Oldham, Charles W., assignor to Imperial Glass Company, Bellaire, Ohio. Glass dish or similar article of manufacture. Des. 67,095; Apr. 21.
Oliver Chilled Plow Works. (See Altgelt, Rudolph J., assignor.)
Oliver, George G., Wheeling, W. Va., and T. Stenhouse, Washington, Pa., assignors to Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for annealing glassware. 1,534,863; Apr. 21.
Oliver, George G., and T. Stenhouse, Washington, Pa., assignors to The Hazel-Atlas Glass Company, Wheeling, W. Va. Apparatus for tempering glassware. 1,534,864; Apr. 21.
Oliver Iron & Steel Corporation. (See Baumann, Frederick W., assignor.)
Olsen, Tinius Testing Machine Company. (See Owens, James W., assignor.)
Orcutt, Charles C. (See Nelson, Clare, assignor.)
Ordway, Frank L., assignor to Parker Bros., Inc., Salem, Mass. Chinese tile game device. 1,534,805; Apr. 21.
O'Rear, Jim N. A., Attalla, assignor of one-third to L. B. Rainey, Gadsden, Ala. Wheel attachment for motor vehicles. 1,534,987; Apr. 21.
Oriental Silk Printing Company. (See Van Liew, Henry A., assignor.)
Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Valve for tank cars. 1,534,126; Apr. 21.
Ostrander, Allen E., Ridgewood, N. J., assignor to American Car and Foundry Company, St. Louis, Mo. Tank-car valve-operating mechanism. 1,534,127; Apr. 21.
Ostrander, Allen E., Bronxville, assignor to American Car and Foundry Company, New York, N. Y. Discharge-valve mechanism. 1,534,128; Apr. 21.
Ostrander, Allen E., Bronxville, assignor to American Car and Foundry Company, New York, N. Y. Discharge-valve mechanism. 1,534,139; Apr. 21.
Otaka Fabric Company, The. (See Loreus, William A., assignor.)
O'Toole, Edward, Gary, W. Va. Mining machine. 1,534,461; Apr. 21.
O'Toole, Edward, Gary, W. Va. Mining machine. 1,534,462; Apr. 21.
O'Toole, Edward, Gary, W. Va. Longwall mining machine. 1,534,463; Apr. 21.
Ott, Alfred. (See Setter, George P., assignor.)
Oven Equipment & Mfg. Co., The. (See Crawford, Emerick B., assignor.)
Oven Equipment & Mfg. Co., The. (See Simpson, George P., assignor.)
Owen, Henry E. L., Winkfield, near Windsor, England. Engine-cooling means and weather protection for use in connection with motor road vehicles. 1,534,067; Apr. 21.
Owens, Robert S., Brooklyn, N. Y. Battery cell. 1,534,656; Apr. 21.
Owens Bottle Company, The. (See Stenhouse, T., and Soubier, assignors.)
Owens, James W., Cradock, Va., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Strain gauge. 1,534,865; Apr. 21.
Packard, Granville F., Wilkinsburg, Pa. Electric motor. 1,534,282; Apr. 21.
Page, George M., assignor to Victory Equipment Corporation, Haydenville, Mass. Valve. 1,534,866; Apr. 21.
Palliscbeck, Joseph, Muscatine, Iowa. Traction shoe for vehicle wheels. 1,534,731; Apr. 21.
Palmer, William H., Montreal, Quebec, Canada. Device for guarding tellers and other custodians. 1,534,732; Apr. 21.
P & M Company, The. (See Warr, Harold G., assignor.)
Paraffine Companies, Inc., The. (See Finley, Dozier, assignor.)
Parker Bros., Inc. (See Ordway, Frank L., assignor.)
Parker, Henry C., Chicago, Ill. Carbonating a liquid. 1,534,806; Apr. 21.
Parker, Leslie M., Evanston, Ill. Flexible-post binder. 1,534,283; Apr. 21.
Parker, Ralsemond D., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Telegraphy. 1,534,074; Apr. 21.
Parrish, Washington B., Kenbridge, Va. Auxiliary handles for hoes, rakes, shovels, etc. 1,534,075; Apr. 21.
Parrott, John F., East Moline, Ill. Crank-shaft tester. 1,534,408; Apr. 21.
Paston, Daniel. Brooklyn, N. Y. Shawl or the like. Des. 67,096; Apr. 21.
Patterson, Charles S., Lancaster, Calif. Rotary tooth-brush. 1,534,657; Apr. 21.
Peacock, Samuel, Wheeling, W. Va., assignor to A. J. Gerrard, Chicago, Ill. Producing low-sulphur pig iron from high-sulphur furnace burdens. 1,534,244; Apr. 21.
Pearce, George C., Johnson City, Tenn. Direction indicator. 1,535,033; Apr. 21.
Pearson, Herman E., Wayzata, Minn. Machine for removing quack grass. 1,534,658; Apr. 21.
Pease, Edward J. (See McLennan, J., and Pease.)
Peerless Chain Co. (See Bambenek, Joseph B., assignor.)
Peerless Light Company. (See Herskovitz, Max, assignor.)
Peerless Traveling Goods Co. (See Kahlow, Arthur, assignor.)
Peet, Ed L., and W. G. Hanscom, Minneapolis, and J. C. Smith, St. Paul, Minn. Agricultural implement. 1,534,659; Apr. 21.
Pelican Well Tool and Supply Company, The. (See Stewart, Mark G., assignor.)
Pelletier, Alphonse J., Greenville, N. H. Tire-chain tool. 1,534,284; Apr. 21.
Pérez, Manuel H., San Pedro Sula, Honduras. Electric heater. 1,534,733; Apr. 21.
Perkins, Charles F., assignor to Davis Brake Beam Company, Johnstown, Pa. Brake beam. 1,534,608; Apr. 21.
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Mold for making hard-rubber containers. 1,534,409; Apr. 21.
Perrault, Joseph E., assignor to Hood Rubber Company, Watertown, Mass. Flap cutting and building machine. 1,534,988; Apr. 21.
Perry & Webster, Inc. (See Boynton, Vern K., assignor.)
Perry, Frederick H., Beverly, Mass., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Jointing machine. 1,534,076; Apr. 21.
Perry, Ira D., assignor to Bunte Brothers, Chicago, Ill. Device for regulating humidity of containers. 1,534,339; Apr. 21.
Peschke, Carl, and H. Killian, Detroit, Mich. Smokehouse. 1,534,867; Apr. 21.
Peterson, Peter E., Salina, Kans. Door for railway cars. 1,535,034; Apr. 21.
Peugh, Ray L., Oklahoma City, Okla. Tire boot. 1,534,989; Apr. 21.
Pessaniti, Joseph, Elmsford, N. Y. Shoe with removable sole and heel. 1,534,540; Apr. 21.
Philbrin Corporation. (See Brinton, William C., jr., assignor.)
Philipp, Richard, Eisenach, Germany. Magnetic building toy. 1,535,035; Apr. 21.
Pioneer Production Company. (See Yeomans, Lucien I., assignor.)
Pitton, James G., Denver, Colo. Game board. 1,534,245; Apr. 21.
Plainfield Trust Company, The, administrator. (See Hopkins, Charles E.)
Plantureux, Raymond A. J., Paris, France. Convertible vehicle body. 1,534,410; Apr. 21.
Poetsch, Chester M., Chicago, Ill. Radiator cover. Des. 67,097; Apr. 21.
Porsche, Ferdinand, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Wurttemberg, Germany. Locking device for adjustable valves. 1,534,246; Apr. 21.
Porter, John C., Woodstown, N. J. Insect and nest destroyer. 1,534,734; Apr. 21.
Posey, Willie E., Waco, Tex. Saw gauge. 1,534,541; Apr. 21.
Pospisil, Rudolph E. (See Kurek, E., and Pospisil.)
Potato Waffles, Inc. (See Ruffner, Meyer F., assignor.)
Potter, James C., Pawtucket, R. I. Spinning machine. 1,535,036; Apr. 21.

Potter, Lyman J., San Francisco, Calif. Counterbalancing crankshafts. 1,534,411; Apr. 21.
Potts, Louis M., Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. System of telegraphic distribution. 1,534,660; Apr. 21.
Potts, Louis M., Baltimore, Md., assignor, by mesne assignments, to American Telephone and Telegraph Company, New York, N. Y. System of telegraphic distribution. 1,534,661; Apr. 21.
Powers Accounting Machine Corporation. (See Lasker, William W., assignor.)
Pratt, Norman F., assignor to G. C. Stembridge, Jacksonville, Fla. Oil burner. 1,535,078; Apr. 21.
Prétot, Marcel, Ensisheim, Haut-Rhin, France. Internal-combustion engine. 1,535,038; Apr. 21.
Primbs, Geo., & Sons, Inc. (See Primbs, George, sr., assignor.)
Primbs, George, sr., assignor to Geo. Primbs & Sons, Inc., Pocatello, Idaho. Loose-leaf binder. 1,534,735; Apr. 21.
Pritchard, Leslie E., Niles, Ohio. Sheet-metal pipe section. 1,534,990; Apr. 21.
Proctor & Schwartz, Incorporated. (See Hurxthal, Alpheus O., assignor.)
Protestant Women's National Civic Federation. (See Hart, Gertrude C., assignor.)
Providence Stock Company. (See Harrison, George D., assignor.)
Pruyn, Samuel R., Chicago, Ill. Cigarette roller and maker. 1,534,807; Apr. 21.
Pugh, John D., Mount Washington, Baltimore, Md. Hot-metal car. 1,534,187; Apr. 21.
Punga, Leo, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. High-frequency telephony with or without a line. 1,535,037; Apr. 21.
Puritan Cabinet Dryer Company, The. (See Campbell, Lewis G., assignor.)
Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for smoothing shoe linings. 1,534,077; Apr. 21.
Rachlin, Max., New York, N. Y. Gutter hanger. 1,534,736; Apr. 21.
Radium Dial Company. (See Foley, Hamilton, assignor.)
Rainey, Lillus B. (See O'Bear, Jim N. A., assignor.)
Randall, Raymond W. (See Clas, A. R., and Randall.)
Reamsbottom, Alfred H. (See Anson, Joseph H., assignor.)
Rebechini, Eugene J., Chicago, Ill. Blanching machine. 1,534,188; Apr. 21.
Reber, Emil. (See Fritzsche, H., and Reber.)
Reed, Charles J., San Mateo, Calif. Process of and apparatus for heating materials. 1,534,737; Apr. 21.
Reese, Thomas D. (See Stark, H. W., and Reese.)
Reeves, Alfred, assignor of one-half to G. H. C. Butler, Birmingham, England. Vehicle lamp. 1,534,901; Apr. 21.
Reeves, Alfred, assignor of one-half to G. H. C. Butler, Birmingham, England. Lifting jack. 1,534,902; Apr. 21.
Reeves, William A. (See Tucker, O. M., and Reeves.)
Reimers, Alfred E., New York, N. Y., and C. C. Waite, Roselle Park, N. J. Electrically-heated sadiron. 1,534,542; Apr. 21.
Reinshagen, Adolf, Niederau, near Duren, Germany. Process and apparatus for operating furnaces. 1,534,993; Apr. 21.
Remington, Arthur L., assignor to Warp Compressing Machine Company, Worcester, Mass. Handling yarn and machine therefor. 1,534,412; Apr. 21.
Renner, Harold G., Detroit, Mich., Carburetor. 1,534,808; Apr. 21.
Renson, Jean, Brussels, Belgium. Apparatus for boiling and washing linen. 1,534,413; Apr. 21.
Renz, Joseph P. Brooklyn, N. Y. Machine for feeding sheet material. 1,534,464; Apr. 21.
Republic Brass Company, The. (See Richards, Peter R., assignor.)
Republic Stamping & Enameling Company, The. (See Koch, Francis M., assignor.)
Rettler, John J., Appleton, Wis. Compost-storage bin. 1,535,039; Apr. 21.
Rice, Chester W. (See Kellogg, E. W., and Rice.)
Rice, Louis W., New York, N. Y. Closure for vessels. 1,534,609; Apr. 21.
Rich, Elmer A., jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Impact molding machine. 1,534,809; Apr. 21.
Richards, Peter R., assignor to The Republic Brass Company, Cleveland, Ohio. Cock for faucets with stop valves. 1,534,327; Apr. 21.
Richardson, John W., Stratford, Conn., assignor to John Chatillon & Sons, New York, N. Y. Tie for coil springs. 1,534,189; Apr. 21.
Riddle, Edward N., Company, The. (See Riddle, John K., assignor.)
Riddle, John K., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting fixture. 1,534,662; Apr. 21.
Riedele, Philip, P. B. Cason, and K. R. Herman, assignors to United States Spring Co., Inc., Los Angeles, Calif. Spring setting and tempering apparatus. 1,534,543; Apr. 21.
Riehl, Henry E., Brooklyn, N. Y. Amusement apparatus. 1,534,285; Apr. 21.
Riehl, Henry E., Brooklyn, N. Y. Amusement apparatus. 1,535,040; Apr. 21.
Rivas, Liborio E., Santa Rita, N. Mex. Eight-wheel vehicle. 1,534,810; Apr. 21.
Rixmann, George. (See Sargent, William H., assignor.)
Roberts, Joseph. (See Braemer, W. G. E., and Roberts.)
Robertson, H. H., Company. (See Roney, William W., assignor.)
Robinson Hardware Company. (See Congable, Henry F., assignor.)
Robson, John, Waterbury, Conn., assignor to Universal Engineering Corporation, Montreal, Quebec, Canada. Vehicle brake. 1,534,544; Apr. 21.
Rocke, Edwin C., Bloomington, Ill. Safety wringer mechanism. 1,534,286; Apr. 21.
Roe, Charles H., Tarrytown, N. Y., assignor to General Motors Corporation, Detroit, Mich. Drying varnish. 1,534,738; Apr. 21.
Roesen, Isabella, executrix. (See Roesen, Oscar.)
Roesen, Oscar, Brooklyn, assignor to R. Hoe and Co., New York, N. Y. Stapling mechanism. 1,534,141; Apr. 21.
Roesen, Oscar, deceased, New York, by I. Roesen, executrix, Brooklyn; said Oscar Roesen assignor to R. Hoe & Co., New York, N. Y. Stapling and folding mechanism. 1,534,247; Apr. 21.
Rogers, John C., Bastrop, La. Vehicle wheel. 1,534,545; Apr. 21.
Rogers, Theron M., and J. L. Kniffen, Fellows, Calif. Fishing tool. 1,534,414; Apr. 21.
Rogers, Victor B., Buffalo, N. Y. Cuff link. 1,534,140; Apr. 21.
Rolfe, Charles A., St. Paul, Minn. Keyed insulating board. 1,534,142; Apr. 21.
Roney, William W., Sewickley, assignor to H. H. Robertson Company, Pittsburgh, Pa. Expansible mandrel. 1,534,868; Apr. 21.
Rorick, James G. B., and S. Ruckman, Woodlawn, Pa. Safety adjusting mechanism for automobile headlights. 1,534,809; Apr. 21.
Rosenblatt, Isidor, New York, N. Y. Lighting-fixture bracket or an article of similar nature. Des. 67,098; Apr. 21.
Rosenqvist, Gunnar. (See Ågren, I. J. E., and Rosenqvist.)
Ross, Charles G., Cleveland, Ohio, assignor of one-half to W. L. Ross, Chicago, Ill. Bumper. 1,534,248; Apr. 21.
Ross, John D., Pasadena, Calif. Sprinkler head. 1,534,546; Apr. 21.
Ross, William L. (See Ross, Charles G., assignor.)
Rothman, Louis, Brooklyn, N. Y. Adding machine. 1,534,811; Apr. 21.
Rotograph Motion Picture Machine Company. (See Hussey, Howard E., assignor.)
Rouanet, Louis, Ivry-Port, assignor to The Compagnie d'Applications Mecaniques, Paris, France. Removable wheel. 1,534,328; Apr. 21.
Royal Typewriter Company. (See Degener, Gustave O., assignor.)
Royal Typewriter Company. (See Hess, Edward B., assignor.)
Roystone, William H., New York, N. Y. Container for face powder, rouge, or the like. 1,534,870; Apr. 21.
Roystone, William H., New York, N. Y. Vanity case. 1,534,871; Apr. 21.
Roystone, William H., New York, N. Y. Vanity case. 1,534,872; Apr. 21.
Roystone, William H., New York, N. Y. Vanity case for loose powder. 1,534,873; Apr. 21.
Ruby, George H. A., Fort Dodge, Iowa, assignor to J. R. Offield, trustee, Chicago, Ill. Feeding mechanism for plaster-block machines. 1,534,610; Apr. 21.
Ruckman, Samuel. (See Rorick, J. G. B., and Ruckman.)
Ruffner, Meyer F., New York, N. Y., assignor, by mesne assignments, to Potato Waffles, Inc., Dover, Del. Vegetable-slicing machine. 1,534,078; Apr. 21.
Ruhmann, Max H., Vernon, British Columbia, Canada. Stand. 1,535,041; Apr. 21.
Rupp, Laurente, New York, N. Y. Pencil sharpener. 1,534,547; Apr. 21.
Russell, Andrew N., B. A. Maikin, and W. P. Muir, Lachine, Quebec, Canada. Electric steam generator. 1,534,079; Apr. 21.
Russell, Andrew N., Lachine, Quebec, Canada. Flow box for paper machines. 1,534,080; Apr. 21.
Russell Manufacturing Company, The. (See Zimmerer, Frederick, assignor.)
Ryon, Eppa H., Waltham, assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,534,249; Apr. 21.
Sadler, Thomas D., New Orleans, La. Handsaw guide. 1,535,042; Apr. 21.
Safion, Herman A. (See Boehringer, John A., assignor.)
Sakom, Daniel. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Sammis, Louis B., Wallace, and F. R. Hood, Burson, Calif. Grader. 1,534,663; Apr. 21.
Sandor, Benjamin, Cleveland, Ohio. Heel. 1,534,739; Apr. 21.
Sands, Edwin T. (See Birkin, C. W., and Sands.)
Sands, Louis. (See Bartholomew, Bert E., assignor.)

Sandusky Cement Company. (See Newberry, Spencer B., assignor.)
Sandusky, Joseph, New York, N. Y. Ball loop. 1,534,081; Apr. 21.
Sanford, William H., Buffalo, N. Y. Device for protecting car-axle journals. 1,534,082; Apr. 21.
Sardeson, Robert, Minneapolis, Minn. Apparatus for relining motor-vehicle brake bands. 1,534,083; Apr. 21.
Sargent, William H., Webster Groves, assignor of one-third to G. Rixmann and one-third to J. Seidel, St. Louis, Mo. Tractor. 1,534,329; Apr. 21.
Saunders, Henry J., Minneapolis, Minn. Awning. 1,534,664; Apr. 21.
Savage, Edward S., Rochester, N. Y. Safety razor. 1,534,665; Apr. 21.
Sawkins, Huntington D., Baltimore, Md. Bag-closing tool. 1,534,465; Apr. 21.
Scanlon, Stephen, New York, N. Y. Bridge piece. 1,535,043; Apr. 21.
Schade, Adelbert. (See Claflin, H. C., and Schade.)
Schaefer, Detlef F., et al., trustees. (See Fraser, Pinkney P., assignor.)
Scharl, Charles, New York, N. Y. Convertible club furniture. 1,535,044; Apr. 21.
Scheidecker, Alphonse J., Baton Rouge, La. Signaling equipment for automobiles. 1,535,045; Apr. 21.
Scheiberg, John C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electric-energy translation. 1,534,287; Apr. 21.
Scheller, Otto, Berlin-Lichterfelde-West, and R. Herzog, Berlin, assignors to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Key connection for the wireless transmission of messages. 1,535,046; Apr. 21.
Scherer, Adolph, Philadelphia, Pa. Lamp-shade-joint construction. 1,534,466; Apr. 21.
Schill, Emil, Woodmere, N. Y., and F. Woldich, known as F. S. Woldich, Sapulpa, Okla., assignors to Continental Gas Compressing Corporation, New York, N. Y. Process of and apparatus for extracting, liquefying, and separating liquefiable constituents of gases. Re16,052; Apr. 21.
Schirmacher, George F., Waukesha, Wis. Crossing gate. 1,535,047; Apr. 21.
Schmidt, Henry F., Lansdowne, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blade. 1,534,415; Apr. 21.
Schmidt Lithograph Company. (See Miller, August F., assignor.)
Schmidt, Michael, Wauwatosa, Wis. Snow-clearing machine. 1,534,611; Apr. 21.
Schmitt, John A., assignor to The Universal Milking Machine Company, Columbus, Ohio. Pulsator for milking machines. 1,534,612; Apr. 21.
Schouboe, Carl L., Des Moines, Iowa. Highway marker. 1,534,084; Apr. 21.
Schuler, Frank M., Winona, Minn. Starch-cleaning machine. 1,534,416; Apr. 21.
Schumer, William F., Cincinnati, Ohio. Chucking mechanism. 1,535,048; Apr. 21.
Schwaerzer, Max, Brooklyn, N. Y. Detonating device. 1,534,085; Apr. 21.
Schwarz, Elmer H., Fort Lee, N. J., assignor to The Dayton Engineering Laboratories Company, Dayton, Ohio. Gear-shifting mechanism. 1,534,740; Apr. 21.
Schwarzkopf, Jakob, Elmshorn, Germany. Fodder from fish or train oil and emulsions thereof and preparing the same. 1,534,741; Apr. 21.
Schweikhard, George, Los Angeles, Calif. Antitheft alarm for automobiles. 1,534,666; Apr. 21.
Schwenck, Frederick W., Cincinnati, Ohio. Cruet. Des. 67,099; Apr. 21.
Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 67,100; Apr. 21.
Schwerin, Frank H., West View, assignor to The Duff Manufacturing Company, Pittsburgh, Pa. Ratchet jack. 1,534,613; Apr. 21.
Schwettman, Harry W., assignor to The Gruen Watch Company, Cincinnati, Ohio. Wrist-watch case. Des. 67,101; Apr. 21.
Scott, Archibald D., deceased; M. V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company. Winding machine. 1,534,812; Apr. 21.
Scott, Archibald D., deceased; M. V. Scott, executrix, Jersey City, N. J., assignor to Varley Duplex Magnet Company. Winding machine. 1,534,813; Apr. 21.
Scott, George M. (See Scott, Herbert H. and G. M.)
Scott, Herbert H. and G. M., London, England. Production of show cards, advertisements, signs, decorations, or the like by stenciling. Re16,048; Apr. 21.
Scott, Lewis L., St. Louis, Mo. Steam engine. 1,534,148; Apr. 21.
Scott, Mary V., executrix. (See Scott, Archibald D.)
Scott, Wirt S., Bosman, Md. Heat-saturation indicator. 1,534,874; Apr. 21.
Scriven, Edward O., assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer circuits. 1,534,086; Apr. 21.
Scroggins, Oliver L., Pittsburgh, Pa. Method and means to indicate the theft of automobiles and the like. 1,534,994; Apr. 21.
Seelinger, William J., assignor to The Ohio Body & Blower Company, Cleveland, Ohio. Vehicle body construction. 1,534,814; Apr. 21.
Seely, Thomas H. (See Hadaway, J. B., and Seely.)
Seidel, Julius. (See Sargent, William H., assignor.)
Sellew, Helen W. (See Sellew, William H. and H. W.)
Sellew, William H. and H. W., Ann Arbor, assignors of one-half to A. T. Hopkins, Detroit, Mich. Portable food container. 1,534,087; Apr. 21.
Setter, George P., assignor of one-half to A. Ott, Chicago, Ill. Engine-cylinder repair method and apparatus. 1,534,815; Apr. 21.
Shadle, Clinton F., assignor, by mesne assignments, to Indiana Equipment Corporation, Indianapolis, Ind. Train-control valve construction. 1,534,330; Apr. 21.
Shaefer, Edward, et al., trustees. (See Fraser, Pinkney P., assignor.)
Shapard, Aubrey B., et al. (See Carter, Edward B., assignor.)
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sharp, Alexander B., Steubenville, Ohio. Gas heater. Des. 67,102; Apr. 21.
Sharpe, Edwin C., Piedmont, Calif. Coal-bunker system. 1,534,667; Apr. 21.
Shaw, John K., Minneapolis, assignor to B. G. Dahlberg, St. Paul, Minn. Wood-fiber board. 1,534,088; Apr. 21.
Shea, John J., jr., Elmhurst, N. Y. Hinge. 1,534,467; Apr. 21.
Shea, John J., jr., Elmhurst, N. Y. Joint structure. 1,534,468; Apr. 21.
Shearer, Rose M., assignor of one-half to H. I. Brown, La Pryor, Tex. Pump-rod elevator. 1,534,089; Apr. 21.
Sheara, Luther, Arbovale, W. Va. Washboard. 1,535,049; Apr. 21.
Sheffer, J. W. (See Johnson, W. S., and Sheffer.)
Shepherdson, Arnold. (See Baddiley, J., Shepherdson, Swann, Hill, and Lawrie.)
Sherman, James W., Huntington Park, Calif. Combined emergency brake and clutch release. 1,534,469; Apr. 21.
Shields, Lowell W., assignor to Hickok Manufacturing Company, Inc., Rochester, N. Y. Creasing machine. 1,534,668; Apr. 21.
Shimmie Auto Co. (See De Waltoff, S. A., and Daniel, assignors.)
Shook, Florain J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-making apparatus. 1,534,250; Apr. 21.
Short, Charles R., and A. M. Babitch, assignors to General Motors Research Corporation, Dayton, Ohio. Carburetor control. 1,534,742; Apr. 21.
Shortt, Howard G., assignor to F. C. Farnsworth, Norristown, Pa. Device for trapping and delivering condensates. 1,534,090; Apr. 21.
Sibley, Philip J. (See Taylor, W. A., and Sibley.)
Siday, William E., North Kensington, London, England. Disinfecting and heating air. 1,534,875; Apr. 21.
Sidney Blumenthal & Co. (See Creasey, Samuel E., assignor.)
Silva, Manuel J., Island of Hawaii, Hawaii. Harrow. 1,535,050; Apr. 21.
Simmons, Leo, Washington, D. C. Nailing block. 1,534,876; Apr. 21.
Simmons, Leo, Washington, D. C. Flushing apparatus. 1,534,877; Apr. 21.
Simon, Emil J. (See Israel, Lester L., assignor.)
Simpson, George P., assignor to The Oven Equipment & Mfg. Co., New Haven, Conn. Oven. 1,534,190; Apr. 21.
Simpson, Herbert S., Chicago, Ill. Continuous foundry-sand-mulling machine. 1,534,331; Apr. 21.
Sims, James E. (See Sims, John M., assignor.)
Sims, John M., assignor of one-half to J. E. Sims, Houston, Tex. Radiator and bathtub sling. 1,534,614; Apr. 21.
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Sinning, Frank R., Ramsey, Ill. Track liner. 1,534,417; Apr. 21.
Siptrott, Paul, New York, N. Y., assignor to Consolidated Art Metal Foundry, Inc. Lighting-fixture bracket. Des. 67,103; Apr. 21.
Siptrott, Paul, New York, N. Y., assignor to Consolidated Art Metal Foundry, Inc. Lighting-fixture part. Des. 67,104; Apr. 21.
Slade, Leon D., assignor to Gleason Works, Rochester, N. Y. Furnace structure. 1,534,548; Apr. 21.
Slagle, Elias E., et al. (See Lundy, John C., assignor.)
Slaten, Albert, Fargo, N. Dak. Butter chipper. 1,534,418; Apr. 21.
Slavin, John, Rochester, N. Y. Fan or blower. 1,534,743; Apr. 21.
Smith, Andrew, San Mateo, Calif. Grid-resistance panel for electric welding apparatus. 1,534,288; Apr. 21.
Smith, Anice Y., Minneapolis, Minn. Piano-keyboard card system. 1,534,669; Apr. 21.
Smith, Arthur B., Evanston, assignor to automatic Electric Company, Chicago, Ill. Automatic substation telephone circuit. 1,534,144; Apr. 21.
Smith, Arthur B., Evanston, assignor to Automatic Electric Company, Chicago, Ill. Switch-control circuit for automatic telephone systems. 1,534,549; Apr. 21.
Smith, Bella. (See Smith, Raymond, assignor.)
Smith, Charles G., Cambridge, Mass. Electric light. 1,534,251; Apr. 21.

Smith, Chetwood, Worcester, and C. T. Hawley, Holden, assignors to Stack Heater Company, Boston, Mass. Steam-water mixer; 1,535,061; Apr. 21.

Smith, George, Mullen, Nebr. Obstetrical forceps. 1,534,419; Apr. 21.

Smith, Grover D., Montclair, N. J. Folding table. 1,534,470; Apr. 21.

Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,534,550; Apr. 21.

Smith, John C. (See Peet, E. L., Hanscom, and Smith.)

Smith, J. Harley, San Francisco, Calif. Regulating valve. 1,534,420; Apr. 21.

Smith, Malcolm, Seba Beach, Alberta, Canada. Teakettle. 1,534,670; Apr. 21.

Smith, Raymond, assignor to B. Smith, New York, N. Y. Hat. 1,534,421; Apr. 21.

Smith, Sidney, Midhurst, England. Mill for grinding paints, enamels, inks, and other viscous materials. 1,535,052; Apr. 21.

Smith, Warren A., Geneva, and M. E. Widell, Maywood, Ill., assignors to American Can Company, New York, N. Y. Holding fixture for electric welding of side seams of container bodies. 1,534,422; Apr. 21.

Smith, William J., St. Paul, Minn. Heating system for electric railway cars. 1,535,079; Apr. 21.

Smith, William L., Camden, N. J. Serving dish. 1,534,471; Apr. 21.

Smoot, Charles H., Maplewood, N. J. Viscosity regulator. 1,534,091; Apr. 21.

Snyder, Herbert W., and A. J. Townsend, Lima, Ohio. Locomotive saddle structure. 1,534,423; Apr. 21.

Society of Chemical Industry in Basle. (See Fritzsche, H., and Reber, assignors.)

Society of Chemical Industry in Basle. (See Goeschke, Armin, assignor.)

Society of Chemical Industry in Basle. (See Hartmann, M., and Kägi, assignors.)

Society of Chemical Industry in Basle. (See Mayer, B., and Würgler, assignors.)

Society of Chemical Industry in Basle. (See de Montmollin, G., and Bonhôte, assignors.)

Solie, Walter H., Wilbur, Oreg. (Fruit-drying apparatus. 1,534,092; Apr. 21.

Sorensen, Nels, Traverse City, Mich. Washboard. 1,534,332; Apr. 21.

Sorum, Alexander E., and R. T. Brockman, assignors to International Money Machine Company, Terre Haute, Ind. Coin-counting device for money-paying machines. 1,534,551; Apr. 21.

Soubier, Leonard D. (See Stenhouse, T., and Soubier.)

Southwick, William S., Clinton, Mass., assignor, by mesne assignments, to Wickwire Spencer Steel Company, New York, N. Y. Apparatus for electrically welding wire fabric. 1,534,034; Apr. 21.

Spalding, A. G., & Bros. (See Hardy, Samuel, assignor.)

Spalding, A. G., & Bros. (See MacDonald, William W., assignor.)

Spalding, A. G., & Bros. (See Speedy, Alan, assignor.)

Speedy, Alan, London, England, assignor to A. G. Spalding & Bros., New York, N. Y. Golf ball. 1,535,053; Apr. 21.

Spencer, Henry K., Watertown, assignor to The Blanchard Machine Company, Cambridge, Mass. Controlling feeding mechanisms. 1,535,080; Apr. 21.

Sperry, John A., Munnsville, N. Y. Molding machine. 1,534,615; Apr. 21.

Spinks, William A., & Co. (See Hoskin, Edmund F., assignor.)

Sprada, Dominick, Buffalo, N. Y. Spark plug. 1,534,744; Apr. 21.

Sprague Canning Machinery Company et al. (See Steere, Clarence E., assignor.)

Squire, Samuel L., et al. (See Lundy, John C., assignor.)

Stack Heater Company. (See Smith, C., and Hawley, assignors.)

Stacharuk, Petro. (See Kusyk, H., and Mandzuk, assignors.)

Standard-Trump Brothers Machine Company. (See Houseman, Wilbur L., assignor.)

Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Wax pot. 1,534,093; Apr. 21.

Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Patereon, N. J. Finishing machine. 1,534,094; Apr. 21.

Stapleton, Jerry, assignor of one-half to D. A. Fleming, Los Angeles, Calif. Keyhole plug. 1,534,745; Apr. 21.

Stark, Frederick W., assignor to International Silver Co., Meriden, Conn. Teapot or similar article. Des. 67,105; Apr. 21.

Stark, Frederick W., assignor to International Silver Co., Meriden, Conn. Teapot or similar article. Des. 67,106; Apr. 21.

Stark, Frederick W., assignor to International Silver Co., Meriden, Conn. Dish or similar article. Des. 67,107; Apr. 21.

Stark, Hugo W., and T. D. Reese, Cupertino, Calif. Shock absorber for vehicles. 1,534,424; Apr. 21.

Stead, Harold J., Geneva, N. Y. Producing finished surfaces upon glass. 1,534,671. Apr. 21.

Stedman, William A., Westport, Conn., assignor to The Dorr Company, New York, N. Y. Treatment of pulps. 1,534,145; Apr. 21.

Steeple, Reginald C., Spokane, Wash., assignor to H. J. Braun, Chicago, Ill. Candle holder or a similar article. Des. 67,108; Apr. 21.

Steere, Clarence E., Milwaukee, Wis., assignor of one-half to Sprague Canning Machinery Company, Chicago, Ill., and one-half to Ayars Machine Company, Salem, N. J. Liquid measuring and filling machine. 1,534,035; Apr. 21.

Steinberger, Arthur A., San Francisco, Calif., assignor to Steinberger Bros. Lobl Co., Inc., New York, N. Y. Glove. 1,534,616; Apr. 21.

Steinberger Bros. Lobl Co. (See Steinberger, Arthur A., assignor.)

Steinmeyer, John W. (See Hochberg, O., and Steinmeyer.)

Stembridge, Grover C. (See Pratt, Norman F., assignor.)

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Clamp for glass molds. 1,534,878; Apr. 21.

Stenhouse, Thomas, Washington, Pa., and L. D. Soubier, assignors to The Owens Bottle Company, Toledo, Ohio. Glass-forming machine. 1,534,036; Apr. 21.

Stenhouse, Thomas. (See Oliver, G. G., and Stenhouse.)

Stern, Max, assignor to Biltmore Lighting Fixture Co., Inc., Brooklyn, N. Y. Lighting-fixture bracket. Des. 67,109; Apr. 21.

Stevens, Enoch P., deceased, Chicago, Ill.; M. A. Stevens, executrix. Open-hearth-furnace roof. 1,534,472; Apr. 21.

Stevens, Mary A., executrix. (See Stevens, Enoch P.)

Stewart, Arthur J., St. Louis, Mo. Collapsible shipping crate. 1,534,672; Apr. 21.

Stewart, Mark G., assignor to The Pelican Well Tool and Supply Company, Shreveport, La. Swivel hook. 1,534,876; Apr. 21.

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,535,054; Apr. 21.

Stickney, Burnham C., Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,535,055; Apr. 21.

Stoebner, Emanuel. (See Stoebner, William, E., E., and D.)

Stoebner, William, E., E., and D., Tripp, S. Dak. Plant deflector. 1,534,880; Apr. 21.

Stokoe, Charles L., Wallsend-on-Tyne, England. Safety apparatus for controlling the flow of fluid in pipes. 1,534,881; Apr. 21.

Stoloff, Wolf, London, England. Educational appliance. 1,535,056; Apr. 21.

Stowell, Augustus H., Spokane, Wash. Pipe joint. 1,534,425; Apr. 21.

Streich, Frank, assignor to Union Machinery Company, Joliet, Ill. Dough-molding machine. 1,534,617; Apr. 21.

Strong, Homer L., and T. E. Forster, Wichita, Kans. Centrifugal thrashing machine. 1,534,426; Apr. 21.

Stryker, Walter W., deceased, Dayton, Ohio; E. T. Jones, administrator. Centrifugal cleaner for circulating liquids. 1,534,101; Apr. 21.

Studebaker Corporation, The. (See Bourgon, Joseph H., assignor.)

Sturges, Arthur H., Omaha, Nebr. Tubular fire escape. 1,534,833; Apr. 21.

Stutsman, Lewis E., Milton, Oreg. Conveyer system. 1,534,534; Apr. 21.

Submarine Signal Company. (See Fessenden, Reginald A., assignor.)

Sullivan, William B. (See Lyon, George N., assignor.)

Sutter, Marcel. (See Mouriam, G., and Sutter.)

Swann, Herbert. (See Baddiley, J., Shepherdson, Swann, Hill, and Lawrie.)

Swartzbaugh Manufacturing Company, The. (See Ziola, Henry A., assignor.)

Tabulating Machine Company, The. (See Lake, Clair D., assignor.)

Tackaberry, Robert D., Lewiston, Me. Automatic valve mechanism. 1,534,746; Apr. 21.

Taggart, Frank D., Wyomissing, Pa. Alloy roll steel. 1,534,473; Apr. 21.

Talbot, Howard H., Wooster, Ohio, assignor, by mesne assignments, to Mackintosh-Hemphill Company, Pittsburgh, Pa. Clutch mechanism. 1,534,882; Apr. 21.

Tarbutton, Benjamin J. (See Wise, J. A., and Tarbutton.)

Taylor, Alfred M., Erdington, Birmingham, England. Electrical-power-transmission system. 1,535,057; Apr. 21.

Taylor Instrument Companies. (See Marsh, Edward S., assignor.)

Taylor, John W., Blue Rapids, Kans. Harrow cart. 1,535,058; Apr. 21.

Taylor, Leroy B., Cleveland, Ohio. Metal window casing. 1,534,037; Apr. 21.

Taylor, William A., and P. J. Sibley, assignors to P. J. Sibley, Chicago, Ill. Vapor-treatment receptacle. 1,534,618; Apr. 21.

Teppet, Eugene, Grenoble, France, assignor to the Firm of Albert Charpilloz, Bevillard, Switzerland. Process of and composition of matter for killing plants. 1,534,280; Apr. 21.

Ter Meer, Gustav, Hanover-Linden, Germany. Outlet valve for centrifugal separators. 1,534,604; Apr. 21.

Tharaldsen, Filip, Bestum, near Christiania, Norway. Making liquid zinc from blue powder. 1,535,059; Apr. 21.

Thiedemann-Hardy Company. (See Thiedemann, William L., assignor.)

Thiedemann-Hardy Company. (See Thiedemann, W. L., and Hardy, assignors.)

Thiedemann, William L., assignor to Thiedemann-Hardy Company, Muskegon, Mich. Dental tool holder. 1,534,816; Apr. 21.

Thiedemann, William L., and H. M. Hardy, assignors to Thiedemann-Hardy Company, Muskegon, Mich. Dental tool. 1,534,817; Apr. 21.

Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)

Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Fixture stud. 1,534,146; Apr. 21.

Thompson, William, Detroit, Mich., assignor to Morgan & Wright. Tire-building tool. 1,534,088; Apr. 21.

Thurstone, Conrad, Pittsburgh, Pa. Spring suspension system for vehicles. 1,534,995; Apr. 21.

Tice, William H., Seaside, Oreg. Washer for nut locks. 1,534,427; Apr. 21.

Tidmarsh, Wilfred R. (See Gannon, Wilfred, assignor.)

Timmons, Ernest, assignor of one-half to H. E. Cornthwaite, Cicero, Ind. Pump piston. 1,534,747; Apr. 21.

Timms, Herbert B., Atlanta, Ga. Oil-dispensing device. 1534,883; Apr. 21.

Tippet, Philip V., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire-block-stripping mechanism. 1,534,039; Apr. 21.

Tirrill, Allen A., Pittsburgh, Pa. Connecting link. 1,535,060; Apr. 21.

Tocchio, Michele, London, England. Oven, saucepan, and the like. 1,534,748; Apr. 21.

Toledo Automotive Products Company. (See Clas, A. R., and Randall, assignors.)

Tomlinson, Eugene, Kansas City, Kans. Radiator filling and cooling cap. 1,534,428; Apr. 21.

Touchstone, Solomon G., Columbia, S. C. Tension feeler. 1,534,040; Apr. 21.

Touchstone, Solomon G., Columbia, S. C. Tension feeler. 1,534,041; Apr. 21.

Townsend, Albert J. (See Snyder, H. W., and Townsend.)

Trautman, Walter G., Cleveland Heights, assignor to The Cleveland Folding Machine Co., Cleveland, Ohio. Paper-folding machine. 1,534,884; Apr. 21.

Trautman, Walter G., Cleveland Heights, assignor to The Cleveland Folding Machine Co., Cleveland, Ohio. Paper-folding machine. 1,534,885; Apr. 21.

Tri-Ergon Limited. (See Vogt, H., Engl, and Massolle, assignors.)

Triplett, Thomas H., Patterson, N. C. Jar holder. 1,534,429; Apr. 21.

Trolley Shoe-Wheel Company. (See Moore, Giles S., assignor.)

Troutman, Frank E., and C. H. Christie, Butler, Pa. Making plate glass. 1,535,061; Apr. 21.

Troutman, Frank E., and C. H. Christie, Butler, Pa. Apparatus for making plate glass. 1,535,062; Apr. 21.

Troutman, Frank E., and C. H. Christie, Butler, Pa. Laying plate glass. 1,535,063; Apr. 21.

Troutman, Frank E., and C. H. Christie, Butler, Pa. Apparatus for laying plate glass. 1,535,064; Apr. 21.

Troy, Matthew O., Pittsfield, Mass., assignor to General Electric Company. Electrical-apparatus casing. 1,534,749; Apr. 21.

Trumbull Electric Manufacturing Company, The. (See Getchell, Benjamin E., assignor.)

Truscott, Starr, Washington, D. C. Airship-mooring mast with water tank and fire protection for airship shed. 1,534,619; Apr. 21.

Tryon, William A., Providence, R. I. Shackle. 1,534,192; Apr. 21.

Tryon, William A., Providence, R. I. Shackle. 1,534,193; Apr. 21.

Tucker, Oliver M., and W. A. Reeves, Columbus, Ohio. Interchangeable spout-aperture bushing and applying the same. 1,534,996; Apr. 21.

Tucker Rubber Corporation. (See Joseph, Henry, assignor.)

Tugendhat, Robert G., Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Electrically-heated traveling ovens. 1,534,042; Apr. 21.

Turner, Charles A., Chicago, Ill., assignor to Ginkolt Machine Company, Madison, Wis. System of electric-current distribution. 1,534,235; Apr. 21.

Turner, John. (See Lomax, J. A. B., Turner, and Bentley.)

Turner, William. (See Lomax, J. A. B., Turner, and Bentley.)

Tweedt, John A. B., and C. A. Nelson, Oakland, Calif. Top. 1,535,065; Apr. 21.

Tyler, W. S., Company, The. (See Griffith, T. E., and Dodds, assignors.)

Tyner, Harold C., Culver City, Calif. Life preserver. 1,534,552; Apr. 21.

Tyson, Amos A., Albany, N. Y. Antiskidding device for automobiles. 1,534,043; Apr. 21.

Udale, Stanley M., Detroit, Mich. Vaporizer. 1,534,290; Apr. 21.

Ullgren, John D. (See Wagner, R. E., and Ullgren.)

Ulrich, Carl J., Mankato, Minn. Fruit cutter and juice extractor. 1,534,997; Apr. 21.

Underwood Typewriter Company. (See Allard, J Frank, assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Underwood Typewriter Company. (See Stickney, Burnham C., assignor.)

Union Machinery Company. (See Streich, Frank, assignor.)

Union Special Machine Company. (See Moffatt, James E., assignor.)

United Shoe Machinery Corporation. (See Beckman, Frank E., assignor.)

United Shoe Machinery Corporation. (See Brogan, James A., assignor.)

United Shoe Machinery Corporation. (See Erickson, Edward, assignor.)

United Shoe Machinery Corporation. (See Glass, Perley R., assignor.)

United Shoe Machinery Corporation. (See Gouldbourn, Joseph, assignor.)

United Shoe Machinery Corporation. (See Hadaway, J. B., and Seely, assignors.)

United Shoe Machinery Corporation. (See Jacques, George W., assignor.)

United Shoe Machinery Corporation. (See Perry, Frederick H., assignor.)

United Shoe Machinery Corporation. (See Pym, Arthur F., assignor.)

United Shoe Machinery Corporation. (See Standish, John F., assignor.)

United Shoe Machinery Corporation. (See Warren, Frank H., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

United States of America. (See Dunlap, Matthew E., assignor.)

United States Printing and Lithographing Company, The. (See Furste, Henry, assignor.)

United States Smelting Refining & Mining Company. (See Clevenger, Galen H., assignor.)

United States Spring Co. (See Riedele, P., Cason, and Herman, assignors.)

United States Welding Company. (See Campbell, Lorn, jr., assignor.)

Universal Engineering Corporation. (See Robson, John, assignor.)

Universal Milking Machine Company, The. (See Schmitt, John A., assignor.)

Universal Oil Products Company, The. (See Dubbs, Carbon P., assignor.)

Updike, Alfred B. (See Henkel, G. W., and Updike.)

Vahjen, Marie A., Guttenberg, N. J. Device for secret writing. 1,535,066; Apr. 21.

Valentine, Joseph E., Whitestone, N. Y., assignor to Valmont Manufacturing Co., Inc. Sewing machine. 1,534,818; Apr. 21.

Valmont Manufacturing Co. (See Valentine, Joseph E., assignor.)

Van Arsdel, Wallace B. (See Byers, H. G., and Van Arsdel.)

Vanderveld, Anthony, Grand Rapids, Mich. Presser-roller construction. 1,534,336; Apr. 21.

Van Dorn Iron Works Company, The. (See Barker, Percy E., assignor.)

Van Llew, Henry A., Springfield, N. J., assignor to Oriental Silk Printing Company, New York, N. Y. Ornamented fabric and producing the same. 1,534,194; Apr. 21.

Vanorio, Joseph, College Point, N. Y., assignor of one-fifth to J. F. O'Brien, West New York, N. J. Apparatus for heating water or other liquids. 1,535,081; Apr. 21.

Varley Duplex Magnet Company. (See Scott, Archibald D., assignor.)

Vaughn, Calvin W., assignor to The Vaughn Machinery Company, Cuyahoga Falls, Ohio. Wire-drawing mechanism. 1,534,998; Apr. 21.

Vaughn Machinery Company, The. (See Tippet, Philip V., assignor.)

Vaughn Machinery Company, The. (See Vaughn, Calvin W., assignor.)

Veal, Henry A., Douglas, Ga. Air-brake-pipe connection. 1,534,147; Apr. 21.

Vernon, Harvey H., Schenectady, N. Y., assignor to General Electric Company. Motor-control system. 1,534,750; Apr. 21.

Verona Tool Works. (See Wisecrantz, John S., assignor.)

Vickers Limited. (See Lucas, O. D., and Johnson, assignors.)

Victor, Alexander F., Davenport, Iowa. Crank connection for motion-picture machines. 1,534,044; Apr. 21.

Victory Equipment Corporation. (See Page, George M., assignor.)

Villemaire, Adolard, Ruskin, Fla. Motor-driven grubbing machine. 1,535,067; Apr. 21.

Violini, Lorenzo. (See Jonas, Erminio, assignor.)

Vogt, Hans, Berlin-Schoneberg, J. Engl, and J. Massolle, Grunewald, Germany, assignors to Tri-Ergon Limited, Zurich, Switzerland. Sound-translating apparatus. 1,534,148; Apr. 21.

Von Schlegell, Frederick, Chicago, Ill. Electric heating unit. 1,534,553; Apr. 21.

Von Seth, Rutger H., Stockholm, Sweden. Obtaining vanadium compounds or vanadium from pig iron containing vanadium. 1,534,819; Apr. 21.

Wachs, Murray A., Brooklyn, N. Y. Metal-binding machine. 1,535,068; Apr. 21.

Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)

Wagner, Fred W., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Treating waste of benzol recovery. 1,534,554; Apr. 21.

Wagner, Fred W., assignor to Jones & Laughlin Steel Corporation, Pittsburgh, Pa. Treating waste of benzol recovery. 1,534,555; Apr. 21.

Wagner, Rudolf E., Karlstad, and J. D. Ullgren, Stocksund, assignors to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Apparatus for separating liquids from solid bodies mixed or suspended therein. 1,534,620; Apr. 21.

Wahl, Leo J., Sterling, Ill. Clipper. 1,534,621; Apr. 21.

Waite, Charles C. (See Reimers, A. E., and Waite.)

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Reed holder. 1,534,252; Apr. 21.

Wachtel, Wilhelm. (See Obersohn, A., Wachtel, Sakom, and Askensay.)

Walker Manufacturing Company. (See Benson, Maurice F., assignor.)

Walker, Roy. (See Denbigh, G., and Walker.)

Walker, Thomas B., Nashville, Tenn. Tray and support therefor. 1,534,095; Apr. 21.

Wallick, Ford, Peru, Ind. Register block. 1,534,751; Apr. 21.

Walliser, Robert E., Chicago, Ill. Thread moving and controlling means for knitting machines, etc. 1,534,556; Apr. 21.

Walmsley, Joseph, St. Louis, Mo. Umbrella. 1,534,820; Apr. 21.

Walter, George E., Cates, Ind. Nonfreezing radiator. 1,534,195; Apr. 21.

Walter, Harrison B., assignor to Chicago Mill and Lumber Company, Chicago, Ill. Box. 1,534,045; Apr. 21.

Walton, Frank. (See Johnson, Merle, assignor.)

Wandel, Kurt, assignor, by mesne assignments, to Arkell Safety Bag Company, New York, N. Y. Dry crinkling paper. 1,534,622; Apr. 21.

Wans, Arthur H., and O. H. Fisher, San Francisco, Calif. Driving signal. 1,534,374; Apr. 21.

Ward, David A., Primrose, Nebr. Automobile tire chain. 1,535,071; Apr. 21.

Warp Compressing Machine Company. (See Remington, Arthur L., assignor.)

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,534,623; Apr. 21.

Warren, Frank H., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Trimming machine. 1,534,096; Apr. 21.

Waterbury Buckle Co. (See Webb, Charles M., assignor.)

Watson, Ernest A., Coventry, England, assignor to The C. L. I. Manufacturing Company Limited, Birmingham, England. Electric switch or circuit breaker. 1,534,753; Apr. 21.

Watson, Harry C., assignor to Keystone Machine & Engineering Company, Pittsburgh, Pa. Shearing device. 1,534,999; Apr. 21.

Watson, Philip B., Flushing, N. Y., assignor to Carbide and Carbon Chemicals Corporation. Production of glycol esters. 1,534,752; Apr. 21.

Watson, Robert M., Shippensville, Pa. Rear compartment for vehicles. 1,534,837; Apr. 21.

Watt, William R. H. (See De Armond, W. C., and Watt.)

Weatherwax, Earl O., San Francisco, Calif. Piston ring. 1,535,069; Apr. 21.

Webb, Charles M., assignor to Waterbury Buckle Co., Waterbury, Conn. Rustless buckle. 1,535,000; Apr. 21.

Webb, George E., Milwaukee, Wis., assignor to Koehring Company. Subgrade planer. 1,534,046; Apr. 21.

Webster Electric Company. (See Hawkins, William W., assignor.)

Weidlich Bros. Mfg. Co., The. (See Weidlich, Louis, assignor.)

Weidlich, Louis, Stratford, assignor to The Weidlich Bros. Mfg. Co., Bridgeport, Conn. Electric perfumer. 1,534,624; Apr. 21.

Weihmann, Henry A., assignor to Bunte Brothers, Chicago, Ill. Template-filling machine. 1,534,338; Apr. 21.

Weihmann, Henry A., assignor to Bunte Brothers, Chicago, Ill. Device for regulating humidity of containers. 1,534,342; Apr. 21.

Weir, William W., Alameda, Calif. Electrical heating element. 1,534,673; Apr. 21.

Weisenburger, John, and J. H. Huston, Rosebud, S. Dak. Animal trap. 1,535,001; Apr. 21.

Wellman, Lester R., Chicago, Ill. Bracket back for lighting fixtures. Des. 67,110; Apr. 21.

Wells, George F., assignor to Wells Manufacturing Co., San Francisco, Calif. Waffle iron. 1,534,430; Apr. 21.

Wells, George F., San Francisco, Calif. Electric waffle iron. 1,534,431; Apr. 21.

Wells Manufacturing Co. (See Wells, George F., assignor.)

Wells, William S., Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Dwell-motion mechanism. 1,534,344; Apr. 21.

Wells, William S., Bethlehem, Pa., assignor to Benjamin Eastwood Company, Paterson, N. J. Take-up mechanism for looms. 1,534,345; Apr. 21.

Werder, John F., Denver, Colo., assignor to The Zip Manufacturing Co., Denver, Colo. Abrasive compound. 1,534,196; Apr. 21.

Wernecke, Otto. (See Ewald, H., and Wernecke.)

Wershow, Jacob, New Haven, Conn. Alcohol tester. Re16,049; Apr. 21.

Westbury, William, Elmira, N. Y. Apparatus for drawing glass cylinders. 1,534,432; Apr. 21.

Westcott, Pliny K., assignor to M. A. Kenney, Brooklyn, N. Y. Vehicle landing apparatus. 1,534,754; Apr. 21.

Western Electric Company. (See Field, Frank E., assignor.)

Western Electric Company. (See Goff, Harold W., assignor.)

Western Electric Company. (See Schelleng, John C., assignor.)

Western Electric Company. (See Scriven, Edward O., assignor.)

Western Union Telegraph Company, The. (See Foll, John V., assignor.)

Western Union Telegraph Company, The. (See Houghtaling, Walter A., assignor.)

Westholm, Harold M., Independence, La. Radius rod. 1,535,002; Apr. 21.

Westinghouse Electric & Manufacturing Company. (See MacFarland, Allis M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)

Weston, William S., Dallas, Tex. Anticreeper for railway rails. 1,534,821; Apr. 21.

White, Charles M., Fort Dodge, Iowa. Hose reel. 1,534,433; Apr. 21.

White, Edwin C., Baltimore, Md. Mercury derivative of dibrom-fluorescein. 1,535,003; Apr. 21.

White, John S., St. Louis, Mo. Truck. 1,534,346; Apr. 21.

White, Walter C., assignor to International Couplers Company, Pittsburgh, Pa. Train-pipe coupling. 1,534,004; Apr. 21.

Whiting Mfg. Co., The. (See Belcher, Warren J., assignor.)

Wiberg, Oke S., Chicago, Ill. Window for locomotive cabs. 1,534,434; Apr. 21.

Wickwire Spencer Steel Company. (See Southwick, William S., assignor.)

Widell, Magnus E., Maywood, Ill., assignor to American Can Company, New York, N. Y. Adjustable air cushion for drawing dies. 1,534,435; Apr. 21.

Widell, Magnus E. (See Smith, W. A., and Widell.)

Wiese, Edwin C., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Coating asbestos cloth with rubber. 1,534,477; Apr. 21.

Wiesner, Felix R., et al. (See Markóczi, Emeric, and Adam, assignors.)

Wilhelm, Joseph, and C. A. Kays, McKees Rocks, Pa. Mechanical toy. 1,534,097; Apr. 21.

Wilkinson, Edwin F., Los Angeles, Calif. Bench arbor press. 1,534,436; Apr. 21.

Willett, Alfred H., West New York, N. J., assignor to American Arch Company. Arch and arch bricks. 1,534,474; Apr. 21.

Willett, Alfred H., West New York, and H. S. Martin, Ridgewood, N. J., assignors to American Arch Company. Fire brick. 1,534,475; Apr. 21.

Williams, Commodore D., Caruthersville, Mo. Self-serving table. 1,534,557; Apr. 21.

Williams, Elbert C., Dayton, Ohio. Safety belt strap. 1,534,197; Apr. 21.

Williamson, Corilla F. (See Anshen, Harold, assignor.)

Willoughby, Victor R., Ridgewood, N. J., assignor to American Car and Foundry Company, New York, N. Y. Door-latching means. 1,534,047; Apr. 21.

Willshaw, Harry, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Bracelet spring clamps for tube cores and manufacturing tubes. 1,534,149; Apr. 21.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Dome light. Des. 67,111; Apr. 21.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Corner light. Des. 67,112; Apr. 21.

Wilson, John, Crook, assignor to John Wilson and Pease and Partners Limited, Darlington, Durham, England. Manufacture of silica bricks. 1,534,199; Apr. 21.

Wilson, John, and Pease and Partners Limited. (See Wilson, John, assignor.)

Wilson, John M., San Diego, Calif. Tobacco pipe. 1,535,005; Apr. 21.

Wilson, John T., Pilot Hill, Calif. Packing ring and piston. 1,534,198; Apr. 21.

Wincrantz, John S., Wilkinsburg, assignor to Verona Tool Works, Pittsburgh, Pa. Spike puller. 1,53...

Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Heel-lift aligning, pressing, and nailing machine. 1,534,04... Apr. 21.

Winter, Joseph W., Penfield, Pa. Dies. 1,534,822; Apr. 21.

Wirrer, Gottfried, Plainfield, N. J., assignor to International Motor Company, New York, N. Y. Rotating poppet valve. 1,534,476; Apr. 21.

Wirz, Ernst. (See Burkhardt, H., and Wirz.)

Wise, James A., and B. J. Tarbutton, Sandersville, Ga. Air moistener for internal-combustion engines. 1,534,200; Apr. 21.

Wiswall, William J., Oakland, Calif., assignor, by mesne assignments, to American Sales Book Company, Limited, Toronto, Ontario, Canada. Manifolding book. 1,534,478; Apr. 21.

Woidich, Franz. (See Schill, E., and Woidich.)

Wolf, Frank C. (See Katona, Louis F., assignor.)

Wolfes, Otto, and H. Maeder, Darmstadt, Germany. Manufacture of D-ψ- and L-ψ-cocaine. 1,534,558; Apr. 21.

Wolff, Aaron H., New York, N. Y. Gas heater. Des. 67,113; Apr. 21.

Wood, John R., Irvington, assignor to New Process Multi-Castings Company, Newark, N. J. Making matched pattern plates. 1,534,625; Apr. 21.

Wood, Walter G., Fellsmere, Fla. Cutter attachment for plows. 1,534,098; Apr. 21.

Wood, William R., Washington, D. C. Removing liners from cylinders. 1,535,007; Apr. 21.

Woodman, George A., Chicago, Ill. Hand brake for railway cars. 1,534,626; Apr. 21.

Woodruff, Wayland E. (See McMullen, V. E., and Woodruff.)

Worthington Pump and Machinery Corporation. (See Feldbush, H., and Miller, assignors.)

Wright, Herbert L., Birmingham, England. Support for tennis and like nets. 1,534,437; Apr. 21.

Würgler, Jakob. (See Mayer, B., and Würgler.)

Yancey, Harry F. (See Fraser, T., and Yancey.)

Yant, Wilbur R., Tulsa, Okla. Paper-hanger's seam roller. 1,534,559; Apr. 21.

Yeomans, Lucien I., assignor to Pioneer Production Company, Chicago, Ill. Apparatus for applying pulverized or shredded material to the interior of tubular articles. 1,534,627; Apr. 21.

Zanetti, Giuseppe G., Milan, Italy. Demountable automobile top. 1,535,008; Apr. 21.

Zanetti, Giuseppe G., Milan, Italy. Convertible top for vehicles. 1,535,009; Apr. 21.

Zass, William B., Milwaukee, Wis. Fishing-rod handle. 1,534,674; Apr. 21.

Zay, George W. (See Furiate, Daniel P., assignor.)

Zeharie, George, Quincy, Ill. Clevis hook. 1,535,010; Apr. 21.

Zeis, George J., Buffalo, N. Y. Electric switch. 1,535,011; Apr. 21.

Zeller, Cheeman B., Wichita, Kans. Cotter-pin extractor. 1,535,012; Apr. 21.

Zillman, Ludwig A., Milwaukee, Wis. Automobile signal. 1,535,013; Apr. 21.

Zimmerer, Frederick, assignor to The Russell Manufacturing Company, Middletown, Conn. Textile fabric. Des. 67,114; Apr. 21.

Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric table stove. 1,534,823; Apr. 21.

Ziola, Henry A., assignor to The Swartzbaugh Manufacturing Company, Toledo, Ohio. Electric table stove. 1,534,824; Apr. 21.

Zip Manufacturing Co., The. (See Werder, John F., assignor.)

Zobe, Ludwig A., Syracuse, N. Y. Milking vessel. 1,534,628; Apr. 21.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 21ST DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abdominal and sacroiliac support. S. C. Edmiston. 1,534,774; Apr. 21.
Abrasive compound. J. F. Werder. 1,534,196; Apr. 21.
Acid, Bleaching sulphuric. W. C. Leonhard, J. R. Dufford, and A. Hough. 1,534,226; Apr. 21.
Acylated diamines. M. Hartmann and J. Kägi. 1,534,525; Apr. 21.
Adding machine. L. Rothman. 1,534,811; Apr. 21.
Adjustable chair. W. A. McCollough. 1,534,796; Apr. 21.
Advertising device. G. E. La Port. 1,534,223; Apr. 21.
Agricultural implement. E. L. Peet, W. G. Hanscom, and J. C. Smith. 1,534,659; Apr. 21.
Air-brake-control mechanism, Automatic. F. N. Johnston. 1,534,217; Apr. 21.
Aircraft, Rate-of-climb indicator for. A. H. Foster. 1,534,206; Apr. 21.
Airship-mooring mast with water tank and fire protection for airship sheds. S. Truscott. 1,534,619; Apr. 21.
Alarm: *See*—
Burglar alarm. Doorknob alarm.
Alcohol tester. J. Wershow. Re16,049; Apr. 21.
Alloy, Metallic. A. W. Clement. 1,534,570; Apr. 21.
Alloy roll steel. F. D. Taggart. 1,534,473; Apr. 21.
Alumina, Testing molten. L. W. Gabriel. 1,534,032; Apr. 21.
Aluminum and articles made therefrom, Electrolytically-refined. W. Hoopes. 1,534,315; Apr. 21.
Aluminum chloride, Recovering. A. M. McAfee. 1,534,130; Apr. 21.
Aluminum, Electrolytic production of. W. Hoopes, F. C. Frary, and J. D. Edwards. 1,534,317; Apr. 21.
Aluminum, Electrolytic refining of. W. Hoopes, F. C. Frary, and J. D. Edwards. 1,534,318; Apr. 21.
Aluminum electrolytically with fused electrolytes, Refining. W. Hoopes and F. C. Frary. 1,534,319; Apr. 21.
Aluminum from impure materials, Production of metallic. W. Hoopes, F. C. Frary, and J. D. Edwards. 1,534,316; Apr. 21.
Amusement apparatus. S. A. de Waltoff and L. H. McDaniel. 1,534,978; Apr. 21.
Amusement apparatus. H. E. Riehl. 1,534,285; Apr. 21.
Amusement apparatus. H. E. Riehl. 1,535,040; Apr. 21.
Animal trap. J. Weisenburger and J. H. Huston. 1,535,001; Apr. 21.
Anthracene derivative and making same. B. Mayer and J. Würgler. 1,534,535; Apr. 21.
Antiskidding device for automobiles. A. A. Tyson. 1,534,043; Apr. 21.
Arch and arch bricks. A. H. Willett. 1,534,474; Apr. 21.
Arch support. M. Dietz. 1,534,308; Apr. 21.
Armband, garter, and the like. E. Clarke. 1,534,917; Apr. 21.
Asbestos cloth with rubber, Coating. E. C. Wiese. 1,534,477; Apr. 21.
Ash hoppers, Gate for. R. H. Beaumont and H. Marette. 1,534,893; Apr. 21.
Assembling and counting mechanism. T. A. Nevins. 1,535,031; Apr. 21.
Auto signal. L. G. Andrews. 1,535,014; Apr. 21.
Automatic gate. H. Kuzyk and F. Mandzuk. 1,534,967; Apr. 21.
Automobile alarm device. H. Horak and K. Holoubek. 1,534,955; Apr. 21.
Automobile glare shield. J. D. Banks. 1,534,487; Apr. 21.
Automobile radiator heater. A. J. Kercher. 1,534,220; Apr. 21.
Automobile sanding device. L. Miller. 1,534,239; Apr. 21.
Automobile signal. L. A. Zillmann. 1,535,013; Apr. 21.
Automobile signal lamp. H. G. Dibelka. Des. 67,075–6; Apr. 21.
Automobile signaling equipment. A. J. Scheidecker. 1,535,045; Apr. 21.
Automobile speed controller. H. C. Hill. 1,534,526; Apr. 21.
Automobile top, Demountable. G. G. Zanetti. 1,535,008; Apr. 21.
Automobiles and the like, Method and means to indicate the theft of. O. L. Scroggins. 1,534,994; Apr. 21.
Automobiles, Antitheft alarm for. G. Schweikhard. 1,534,666; Apr. 21.
Automobiles, Radiator and hood cover for. E. E. Bouchard. 1,534,903; Apr. 21.

Awning. H. J. Saunders. 1,534,664; Apr. 21.
Axle housing. T. E. Murray, jr. 1,534,605; Apr. 21.
Axle-setting tool. B. W. Decatur. 1,534,505; Apr. 21.
Badge. G. C. Hart. Des. 67,083; Apr. 21.
Badge or similar article. G. W. Kite. Des. 67,087; Apr. 21.
Bag-closing tool. H. D. Sawkins. 1,534,465; Apr. 21.
Baling machine. H. G. Collins. 1,534,359; Apr. 21.
Ball: *See*—
Golf ball.
Ball loop. J. Sandusky. 1,534,081; Apr. 21.
Ball-rolling machine. F. E. Marcy. 1,534,726; Apr. 21.
Barber chair, Hydroelectric. W. F. Koken. 1,534,790; Apr. 21.
Barber's chair. W. F. Koken. 1,534,270; Apr. 21.
Barber's chair, Electrically-operated. W. F. Koken. 1,534,271; Apr. 21.
Barge conveyer. B. W. King. 1,534,593; Apr. 21.
Barograph. G. de Bothezat and I. Eremeeff. 1,534,306; Apr. 21.
Bathtub mat. J. T. Holt. 1,534,214; Apr. 21.
Bathtub mold. A. Hansen. 1,534,779; Apr. 21.
Batteries, Charging secondary. E. L. Burne. 1,534,026; Apr. 21.
Battery cell. R. S. Owens. 1,534,656; Apr. 21.
Bearing, Pivotal. A. T. Brown. 1,534,501; Apr. 21.
Bearing, Renewable. C. E. Judd. 1,534,963; Apr. 21.
Bed, Folding. J. A. Kelly. 1,534,895; Apr. 21.
Bed-supporting means, Foldable. G. F. Cane. 1,534,296; Apr. 21.
Belt, Endless. W. Howarth. 1,534,120; Apr. 21.
Belt strap, Safety. E. C. Williams. 1,534,197; Apr. 21.
Bench arbor press. E. F. Wilkinson. 1,534,436; Apr. 21.
Bending; machine. F. W. Baumann. 1,534,890 Apr. 21.
Benzol recovery, Treating waste of. F. W. Wagner. 1,534,554; Apr. 21.
Billiard table. E. F. Hoskin. 1,534,711–12; Apr. 21.
Bin: *See*—
Storage bin.
Binder, Flexible-post. L. M. Parker. 1,534,283; Apr. 21.
Binder, Loose-leaf. G. Primbs, sr. 1,534,735; Apr. 21.
Binding machine, Metal-. M. A. Wachs. 1,535,068; Apr. 21.
Bituminous substances, Treatment of. A. C. Holmqfel. 1,534,389; Apr. 21.
Blanching machine. E. J. Rebechini. 1,534,188; Apr. 21.
Block: *See*—
Nailing block. Register block.
Block-making machine. C. F. Craig. 1,534,361; Apr. 21.
Board: *See*—
Fiber board. Presser board.
Game board. Sheathing board.
Insulating board.
Bobbin, Universal metal. L. A. Cadoret. 1,534,915; Apr. 21.
Boiler: *See*—
Hot-water boiler. Locomotive boiler.
Boiling and washing linen, Apparatus for. J. Renson. 1,534,413; Apr. 21.
Boll-weevil exterminator. R. F. Kennedy. 1,534,219; Apr. 21.
Boll weevils, Machine for destroying. L. B. Hallman. 1,534,947; Apr. 21.
Bolting-up pin. D. Elsinga. 1,534,776; Apr. 21.
Bombs and other missiles adapted to be dropped from aircraft, Fuse for. O. D. Lucas and F. G. L. Johnson. 1,534,126; Apr. 21.
Book-cover back-shaping apparatus. H. C. Eldredge and C. H. Ladd. 1,534,696; Apr. 21.
Booster motors, Controlling mechanism for. H. L. Ingersoll. 1,534,450; Apr. 21.
Bottle. F. W. Schwenck. Des. 67,100; Apr. 21.
Bottle-cap puller. T. C. Hamilton. 1,534,211; Apr. 21.
Bottle support and lock, Milk-. C. Bruderlein. 1,534,912; Apr. 21.
Bottle-washing machine. L. F. Katona. 1,534,718; Apr. 21.
Box: *See*—
Electrical junction box. Mail box.
Fare box. Mold box.
Journal box. Switch box.
Box. H. B. Walter. 1,534,045; Apr. 21.

Box-blank-forming machine. J. B. Ladd. 1,534,125; Apr. 21.
Boxing gloves, Filling for. L. N. and G. Nets. 1,534,654; Apr. 21.
Bracelet. G. D. Harrison. 1,534,586; Apr. 21.
Bracelet spring clamp for tube cores and manufacturing tubes. H. Willshaw. 1,534,149; Apr. 21.
Bracket: *See*—
Roofing bracket.
Brake: *See*—
Vehicle brake.
Brake and clutch release, Combined emergency. J. W. Sherman. 1,534,460; Apr. 21.
Brake beam. W. E. Fowler, jr. 1,534,579; Apr. 21.
Brake beam. C. F. Perkins. 1,534,608; Apr. 21.
Brake-beam support. B. Haskell. 1,534,587–8; Apr. 21.
Brake-beam supports, Shoe for. W. E. Fowler, jr. 1,534,580-1; Apr. 21.
Brake-beam supports to trucks, Securing. W. E. Fowler, jr. 1,534,582–3; Apr. 21.
Brake mechanism. A. R. Cise and R. W. Randall. Re16,045; Apr. 21.
Braking mechanism. R. Bancroft. 1,534,398; Apr. 21.
Bread raiser. L. Bozie. 1,534,535; Apr. 21.
Brick, Fire. A. H. Willett and H. S. Martin. 1,534,475; Apr. 21.
Brick machine. D. Brown. 1,534,768; Apr. 21.
Brick, Roof. C. Guest. 1,534,177; Apr. 21.
Bridge piece. S. Scanlon. 1,535,048; Apr. 21.
Briquette of charcoal and pitcoal. E. Josué. 1,534,062; Apr. 21.
Briquette of phosphate-rock material and making the same. J. A. Barr. 1,534,528; Apr. 21.
Broom. E. D. Lappert. 1,534,401; Apr. 21.
Brush. L. V. Lucia. 1,534,231; Apr. 21.
Brush, Soap-dispensing hand. L. A. Burnett. 1,534,357; Apr. 21.
Bucket, Well. K. E. Little. 1,534,455; Apr. 21.
Buckle, Rustless. C. M. Webb. 1,535,090; Apr. 21.
Builder mechanism. R. W. Gossett. 1,534,268; Apr. 21.
Building blocks, Apparatus for making. O. E. Bornhauser and J. E. Herman. 1,534,154; Apr. 21.
Bumper. C. G. Rose. 1,534,249; Apr. 21.
Burglar alarm. J. H. Day. 1,534,863; Apr. 21.
Burglarproof device. H. H. Allison. 1,534,886; Apr. 21.
Burner: *See*—
Liquid-fuel burner. Refuse-oil burner.
Oil burner.
Bushing and applying the same, Interchangeable spout-aperture. O. M. Tucker and W. A. Reeves. 1,534,996; Apr. 21.
Butter chipper. A. Slaten. 1,534,418; Apr. 21.
Buttonholes, Machine for sewing round-eye. E. B. Allen. 1,534,017; Apr. 21.
Calculating machine. C. F. Blatcher. 1,534,834; Apr. 21.
Calculating machine. V. J. Odhner. 1,534,242; Apr. 21.
Calculating-machine keyboard. L. Fournier and G. Mang. 1,534,938; Apr. 21.
Cableway and operating the same. T. S. Miller. 1,534,185; Apr. 21.
Cam-forming machine. E. C. Cooley. 1,534,632; Apr. 21.
Candle holder or a similar article. R. C. Steeple. Des. 67,108; Apr. 21.
Can opener. W. H. Averill. 1,534,484; Apr. 21.
Can opener. M. Mechelsen. 1,534,603; Apr. 21.
Can-opening device. H. J. Edlund. 1,534,932; Apr. 21.
Capping device. G. Marchesini and C. Dalboni. 1,534,184; Apr. 21.
Car and locomotive, Turbine-driver. W. Leathers. 1,534,275; Apr. 21.
Car and train-pipe coupling. O. C. Billman. 1,534,631; Apr. 21.
Car-axle journals, Device for protecting. W. H. Sanford. 1,534,028; Apr. 21.
Car coupler, Automatic. J. W. Jones. 1,534,961; Apr. 21.
Car-dome closure, Tank-. J. J. McBride. 1,534,131; Apr. 21.
Car door, Railway-. P. E. Peterson. 1,535,034; Apr. 21.
Car, Hof-metal. J. D. Pugh. 1,534,187; Apr. 21.
Car-loading means. A. Germek. 1,534,378; Apr. 21.
Car motive means, Rail-. J. Mazeau. 1,534,801; Apr. 21.
Car, Passenger. G. Frey. 1,534,847; Apr. 21.
Car seat. J. A. Brooks. 1,534,837; Apr. 21.
Car, Self-dumping mine. R. G. Nichols. 1,534,135; Apr. 21.
Cars, Hand brake for railway. G. A. Woodman. 1,534,626; Apr. 21.
Cars, Heated discharge-outlet casing for tank. C. H. Folmsbee. 1,534,102; Apr. 21.
Cars, Heating system for electric railway. W. J. Smith. 1,535,079; Apr. 21.
Carbonating a liquid. H. C. Parker. 1,534,806; Apr. 21.
Carbonator and draft arm for soda water. W. C. De Armond and W. R. H. Watt. 1,534,772; Apr. 21.
Carburetor. W. C. Hess. 1,534,212; Apr. 21.
Carburetor. H. G. Renner. 1,534,808; Apr. 21.
Carburetor-adjusting mechanism. G. P. Bump. 1,534,630; Apr. 21.
Carburetor control. C. R. Short and A. M. Baditch. 1,534,742; Apr. 21.
Carburetor intakes, Air cleaner for. C. T. Berg. 1,534,831; Apr. 21.
Card, Display. C. Green. Des. 67,079; Apr. 21.
Card-registration mechanism. W. W. Lasker. 1,534,594; Apr. 21.
Card-vending machine. J. F. Meyer. 1,534,280; Apr. 21.
Carding fibrous material, Method and apparatus for. E. V. Bates. 1,534,564; Apr. 21.
Carton. H. Furste. 1,534,261; Apr. 21.
Carton, Display. A. P. Miller. 1,535,077; Apr. 21.
Case: *See*—
Cigarette and match case. Vanity case.
Casings, Molding pneumatic. A. A. Frank. 1,534,777; Apr. 21.
Casting machine. C. E. Hopkins. 1,534,710; Apr. 21.
Casting machine, Die-. E. Hotter. 1,534,266; Apr. 21.
Casting of dentures in metal. H. L. Hobday and F. W. Nunn. 1,534,952; Apr. 21.
Ceiling light. M. Klein. Des. 67,089; Apr. 21.
Cement reenforcement. E. Larson. 1,534,968; Apr. 21.
Cement-road-making machine. C. Gray. 1,534,176; Apr. 21.
Chaff remover. B. M. Ely. 1,535,018; Apr. 21.
Chain coupling. C. A. Longman. 1,534,976; Apr. 21.
Chain fastener. J. E. Rambenek. 1,534,880; Apr. 21.
Chain, Power-transmission. W. J. Belcher. 1,534,494; Apr. 21.
Chair: *See*—
Adjustable chair. Barber's chair.
Chair glide. W. E. Fielding. 1,534,578; Apr. 21.
Chairs, Foot-rest-operating mechanism for reclining. W. F. Koken. 1,534,272; Apr. 21.
Chandelier. J. A. Boehringer. Des. 67,069; Apr. 21.
Check-controlled apparatus, Attachment for. H. E. Heyne. 1,534,117; Apr. 21.
Chimney stop. B. F. Foss. 1,534,103; Apr. 21.
Chloroform manufacture. H. G. Byers and W. B. Van Arsdel. 1,534,027; Apr. 21.
Chuck. W. M. Cutler. 1,534,572; Apr. 21.
Chucking mechanism. W. F. Schumer. 1,535,048; Apr. 21.
Chute, Coal. H. E. Betton. 1,534,023; Apr. 21.
Cigarette and match case, Combination. A. T. Gooding. 1,534,519; Apr. 21.
Cigarette holder, Safety. D. R. Baity. 1,534,560; Apr. 21.
Cigarette roller and maker. S. R. Pruyn. 1,534,807; Apr. 21.
Cinematographic apparatus. M. A. J. Harper. 1,534,949; Apr. 21.
Circuits, Amplifier. F. E. Field. 1,534,172; Apr. 21.
Cleaner: *See*—
Shoe cleaner. Window cleaner.
Cleaning device. O. Halbeck. 1,534,521; Apr. 21.
Cleaning device. L. Klinger. 1,534,179; Apr. 21.
Cleaning pipes, Composition for. H. M. Deavitt. 1,534,167; Apr. 21.
Clevis hook, G. Zeharie. 1,535,010; Apr. 21.
Clip: *See*—
Pencil clip.
Clipper. L. J. Wahl. 1,534,621; Apr. 21.
Clock, Ornamental. A. Bonthoux. 1,534,901; Apr. 21.
Clothes drier. L. G. Campbell. Re16,044; Apr. 21.
Clutch device. H. A. Myers. 1,534,804; Apr. 21.
Clutch mechanism. H. H. Talbot. 1,534,882; Apr. 21.
Clutch release. J. I. Gardner. 1,534,690; Apr. 21.
Coal-bucket-dumping machine. N. H. McClevey. 1,534,795; Apr. 21.
Coal-bunker system. E. C. Sharpe. 1,534,067; Apr. 21.
Coaster wagon. J. O'Brien. 1,534,730; Apr. 21.
Cocaine, Manufacture of D-ψ- and L-ψ-. O. Wolfes and H. Maeder. 1,534,558; Apr. 21.
Cock and cut-off for water pipes, Combined waste. B. M. and K. F. Deskins. 1,534,694; Apr. 21.
Coil springs, Tie for. J. W. Richardson. 1,534,189; Apr. 21.
Coin-operated doorlock. A. W. McCord and S. W. Frazier. 1,534,977; Apr. 21.
Collar, Fold. W. Barker, jr. 1,534,563; Apr. 21.
Collar, Soft fold. W. Barker, jr. 1,534,562; Apr. 21.
Colloidal substances in the form of small balls or grains, Manufacture of. A. Obersohn, W. Wachtel, D. Sakom, and P. Askenasy; 1,534,729; Apr. 21.
Colorimeter. R. E. Klett. 1,535,070; Apr. 21.
Color-sifting machine. J. Kasienko. 1,534,894; Apr. 21.
Combing machine. J. Horridge. 1,534,781; Apr. 21.
Combing machine. J. Horridge. 1,534,783; Apr. 21.
Composition. W. G. Lindsay. 1,534,651; Apr. 21.
Composition of material. H. C. Claflin and A. Schade. 1,534,770; Apr. 21.
Compressor. W. E. Noad. 1,534,728; Apr. 21.
Concentrator. C. M. Meyer. 1,534,536; Apr. 21.
Concentrator construction. R. A. Leahy. 1,534,224; Apr. 21.
Concrete building structure. W. E. Nelson. 1,535,030; Apr. 21.
Concrete form. C. B. Hopkins. 1,534,215; Apr. 21.
Concrete mixtures and the like, Mixing machine for. H. B. Evans. 1,534,966; Apr. 21.
Concrete structures, Sectional mold for. C. H. Kelley. 1,535,023; Apr. 21.
Condenser. S. Cohen. 1,534,160; Apr. 21.
Condenser, Variable. G. Hill. 1,534,213; Apr. 21.
Conduit-making machine. J. J. Allison. 1,534,825–6; Apr. 21.
Confining and restraining device. E. E. Fishback. 1,534,936; Apr. 21.

Contact breaker. A. Gilberts. 1,534,379; Apr. 21.
Container. K. M. Boorman. 1,534,497; Apr. 21.
Containers, Device for regulating humidity of. D. M. Bernotow. 1,534,340–1; Apr. 21.
Containers, Device for regulating humidity of. D. M. Bernotow. 1,534,342; Apr. 21.
Containers, Device for regulating humidity of. I. D. Perry. 1,534,339; Apr. 21.
Containers, Device for regulating humidity of. H. A. Weihmann. 1,534,342; Apr. 21.
Conveyer system. T. S. Knap. 1,535,075; Apr. 21.
Conveyer system. L. E. Stutzman. 1,534,334; Apr. 21.
Cooking and serving utensil. L. W. Boley and J. S. Brenner. 1,534,202; Apr. 21.
Cooler: *See*—
Locomotive water cooler.
Corner light. H. Wilson. Des. 67,112; Apr. 21.
Corset. Y. B. de Magnani. 1,534,693; Apr. 21.
Corset and brassière, Combination. M. Hernandez. 1,534,950; Apr. 21.
Cotter-pin extractor. C. B. Zeller. 1,535,012; Apr. 21.
Cotton, wool, and the like, Machine for combing. J. Horridge. 1,534,782; Apr. 21.
Cotton, wool, and the like, machine for combing. J. Horridge. 1,534,784; Apr. 21.
Counter, Relayless. C. D. Lake. 1,534,531–2; Apr. 21.
Counting apparatus, Single-tooth wheel for. H. Ewald and O. Wernecke. 1,534,933; Apr. 21.
Coupling: *See*—
Chain coupling. Train-pipe coupling.
Flexible coupling.
Coupling. E. E. Campbell. 1,534,916; Apr. 21.
Coupling and valved outlet, Combined. J. A. Martocello. 1,534,406; Apr. 21.
Crane, Tractor bridge. H. E. Baldwin. 1,534,020; Apr. 21.
Crank-shaft tester. J. F. Parrott. 1,534,408; Apr. 21.
Crank shafts, Counter-balancing. L. J. Potter. 1,534,411; Apr. 21.
Crate, Collapsible shipping. A. J. Stewart. 1,534,672; Apr. 21.
Creasing machine. L. W. Shields. 1,534,668; Apr. 21.
Crossing gate. G. F. Schirmacher. 1,535,047; Apr. 21.
Cruet. F. W. Schwenck. Des. 67,099; Apr. 21.
Crushers, By-pass for feeding mechanism for. H. N. Lowenthal. 1,534,855; Apr. 21.
Crutches, Arm rest for. J. B. Glowacki. 1,534,209; Apr. 21.
Cue-tip scraper. V. E. Lindfors. 1,534,975; Apr. 21.
Cuff link. V. B. Rogers. 1,534,140; Apr. 21.
Cuff, Sleeve. L. Luftig. 1,534,597; Apr. 21.
Cultivator, Riding. R. J. Altgelt. 1,534,675; Apr. 21.
Curtain holder. T. E. Farmer. 1,534,443; Apr. 21.
Curtain stretchers, Anchoring bar for. E. F. Dailey. 1,534,305; Apr. 21.
Curtain support. B. Jerome. 1,534,714; Apr. 21.
Cushions, Machine for filling. J. A. Flood. 1,534,062; Apr. 21.
Cutter: *See*—
Iron cutter.
Cutter head, Planetary. R. A. McKoy. 1,534,857; Apr. 21.
Cutter head, Slitting. R. A. McKoy. 1,534,858; Apr. 21.
Cutting or trimming device. F. E. Edgren. 1,534,576; Apr. 21.
Cutting tool. K. Müller. 1,535,028; Apr. 21.
Cylinders, Removing liners from. W. R. Wood. 1,535,007; Apr. 21.
Damper. J. and C. Fowler. 1,534,844; Apr. 21.
Damper, Automatic. C. J. and J. Fowler. 1,534,845; Apr. 21.
Damper regulator. L. W. Eggleston. 1,534,775; Apr. 21.
Decanting apparatus. S. L. Goldman. 1,534,700; Apr. 21.
Dental floss-guiding means. J. B. Fickes. 1,534,171; Apr. 21.
Dental oven. H. C. Houck. 1,534,592; Apr. 21.
Dental tool. W. L. Thiedemann and H. M. Hardy. 1,534,817; Apr. 21.
Dental tool holder. W. L. Thiedemann. 1,534,816; Apr. 21.
Denture, Lower artificial. F. E. Milner. 1,534,802; Apr. 21.
Designs in pile fabrics, Producing. S. E. Creasey. 1,534,804; Apr. 21.
Detonating device. M. Schwenerer. 1,534,085; Apr. 21.
Die for metal plates, Corrugation-forming. W. M. Connery. 1,534,290; Apr. 21.
Dies. J. W. Winter. 1,534,822; Apr. 21.
Dies, Adjustable air cushion for drawing. M. E. Widell. 1,534,485; Apr. 21.
Differential feeding mechanism. J. R. Moffatt. 1,534,132; Apr. 21.
Dining table. W. Galgocsi. 1,534,848; Apr. 21.
Direction indicator. G. C. Pearce. 1,535,033; Apr. 21.
Dish or similar article. F. W. Stark. Des. 67,107; Apr. 21.
Disinfecting and heating air. W. E. Siday. 1,534,875; Apr. 21.
Disk, Abrasive. H. C. Martin. 1,534,861; Apr. 21.
Disk-wheel-hub construction. H. J. Bradt. 1,534,764; Apr. 21.
Disks, Mill for rolling tapered. A. Martin. 1,534,860; Apr. 21.
Dispensing device. A. J. Martin. 1,534,859; Apr. 21.
Ditching and grading machine. C. F. Bolin. 1,534,900; Apr. 21.
Dome light. H. Wilson. Des. 67,111; Apr. 21.
Doorcheck. L. A. Borne. 1,534,902; Apr. 21.
Doorcheck. F. J. McLoughlin. 1,534,235; Apr. 21.
Door-controlling device. M. M. McKinney. 1,534,981; Apr. 21.
Doorknob alarm, Electric. E. S. Hausser. 1,534,580; Apr. 21.
Doorlock. J. P. Fredrick. 1,534,584; Apr. 21.
Dough-molding machine. F. Streich. 1,534,617; Apr. 21.
Drawer-guide construction. J. A. Bilz. 1,534,201; Apr. 21.
Drawing instrument. L. Y. Kimura. 1,534,396; Apr. 21.
Drier: *See*—
Clothes drier. Loop drier.
Drier. G. Komarek. 1,534,180; Apr. 21.
Driving signal. A. H. Wans and O. H. Fisher. 1,534,374; Apr. 21.
Drying apparatus. W. G. R. Braemer. 1,534,490; Apr. 21.
Drying apparatus. J. G. Coffin. 1,534,030; Apr. 21.
Drying machine for textile materials. W. G. R. Braemer and J. Roberts. 1,534,500; Apr. 21.
Dye, Vat. W. Bauer and A. Herre. 1,534,351; Apr. 21.
Dyeing acetyl cellulose or fabrics containing the same and new products for use therein. J. Baddiley, A. Shepherdson, H. Swann, J. Hill, and L. G. Lawrie. 1,534,019; Apr. 21.
Dyeing and bleaching machine. W. S. Gates. 1,534,106; Apr. 21.
Dyestuff. G. de Montmollin and G. Bonbôte. 1,534,506; Apr. 21.
Dyestuffs and making same, Indophenol sulphur. A. Goeschke. 1,534,518; Apr. 21.
Educational appliance. W. Stolof. 1,535,056; Apr. 21.
Electric apparatus, Oil container for. E. Hauser. 1,534,448; Apr. 21.
Electric-current distribution, System of. C. A. Turner. 1,534,335; Apr. 21.
Electric furnace. O. Ceradi. 1,534,162; Apr. 21.
Electric heater. S. M. and J. H. Cargean. 1,534,682; Apr. 21.
Electric heater. J. Conning. 1,534,571; Apr. 21.
Electric heater. W. A. Goodman. 1,534,778; Apr. 21.
Electric heater. M. E. Péres. 1,534,733; Apr. 21.
Electric light. C. G. Smith. 1,534,251; Apr. 21.
Electric motor. G. F. Packard. 1,534,282; Apr. 21.
Electric outlet fixture. W. B. Goddard. 1,534,640; Apr. 21.
Electric relay. F. B. L. Hain. 1,534,945; Apr. 21.
Electric safety switch. B. E. Getchell. 1,534,517; Apr. 21.
Electric-socket structure. M. Hershkovitz. 1,534,706; Apr. 21.
Electric switch. G. J. Zeis. 1,535,011; Apr. 21.
Electric-switch construction. B. E. Getchell. 1,534,515; Apr. 21.
Electric switch or circuit breaker. E. A. Watson. 1,534,753; Apr. 21.
Electrical-apparatus casing. M. O. Troy. 1,534,749; Apr. 21.
Electrical coil apparatus. L. L. Israel. 1,534,959; Apr. 21.
Electrical conductors or networks, Adjusting balance between. H. W. Hitchcock. 1,534,118; Apr. 21.
Electrical gauge. R. C. Browne. 1,534,909; Apr. 21.
Electrical junction box. F. Donchet. 1,534,696; Apr. 21.
Electrical oscillations by means of thermionic valves, Production of. N. Lea. 1,534,970; Apr. 21.
Electrode-clamping device for electric welding machines. J. W. Meadowcroft. 1,534,457; Apr. 21.
Electrode-joint compound. B. G. Klugh. 1,534,269; Apr. 21.
Electron-discharge device. E. F. W. Alexanderson. 1,535,082; Apr. 21.
Electrolytic cell and lining the same. W. Hoopes, J. D. Edwards, and B. T. Horsfield. 1,534,322; Apr. 21.
Electrolytic operations, Conducting. F. A. Holt. 1,534,709; Apr. 21.
Electrolytic production of aluminum. F. C. Frary. 1,534,031; Apr. 21.
Electrolytic refining, Lining cells for. W. Hoopes. 1,534,321; Apr. 21.
Electrolytic refining or separating process, Cell for. W. Hoopes. 1,534,320; Apr. 21.
Elevator: *See*—
Pump-rod elevator.
Elevator doors, Operating mechanism for. T. E. Griffith and L. L. Dodds. 1,534,210; Apr. 21.
Elevator safety appliance. D. A. MacAskill. 1,534,291; Apr. 21.
Elevator shafts, Adjustable end thrust for. H. H. Bostick. 1,534,762; Apr. 21.
Enameling furnaces, Charging fork for. F. M. Koch. 1,534,649; Apr. 21.
Energy, Eliminating disturbing. R. A. Fessenden. 1,534,205; Apr. 21.
Energy translation, Electric. J. C. Schelleng. 1,534,287; Apr. 21.
Engine: *See*—
Internal-combustion engine. Steam engine.
Rotary engine. Wind-power engine.

Engine-cooling means and weather protection for use in connection with motor road vehicles. H. E. L. Owen. 1,534,067; Apr. 21.
Engine-cylinder repair method and apparatus. G. P. Setter. 1,534,815; Apr. 21.
Engines, Air and vapor supplying and cleaning device for. G. W. Henkel and A. B. Updike. 1,534,385; Apr. 21.
Engines, Air moistener for internal-combustion. J. A. Wise and B. J. Tarbutton. 1,534,200; Apr. 21.
Engines, Air-moistening device for. E. H. Hannemann. 1,534,381; Apr. 21.
Engines, Fuel for internal-combustion. J. F. P. de la Riboisiere. 1,534,573; Apr. 21.
Engines, Ignition system for internal-combustion. H. E. Fellows. 1,534,368; Apr. 21.
Engines, Starting handle for internal-combustion. W. Gannon. 1,534,940; Apr. 21.
Engines, Valve mechanism for internal-combustion. W. B. Earnshaw. 1,534,773; Apr. 21.
Extracting tool. R. E. Larkey. 1,534,066; Apr. 21.
Extractor: *See*—
Cotter-pin extractor. Serum extractor.
Hydro-extractor.
Fabric and producing the same, Ornamented. H. A. Van Liew. 1,534,194; Apr. 21.
Fabrics, Machine for uniting looped. G. Keyser. 1,534,452; Apr. 21.
Fan or blower. J. Slavin. 1,534,743; Apr. 21.
Fare box. W. Cox. 1,534,163; Apr. 21.
Fastener-setting machine. P. R. Glass. 1,534,107–8; Apr. 21.
Fastener-setting machine, Duplex. G. W. Jacques. 1,534,064; Apr. 21.
Fat and casein from cheese, Recovering. E. Kurek and R. E. Pospisil. 1,534,400; Apr. 21.
Faucets with stop valves, Cock for. P. R. Richards. 1,534,327; Apr. 21.
Feeder, Chicken. P. D. Foucht. 1,534,375; Apr. 21.
Feeding mechanisms, Controlling. H. K. Spencer. 1,535,060; Apr. 21.
Fiber board, Wood. J. K. Shaw. 1,534,036; Apr. 21.
Filter, Air. L. L. Dollinger. 1,534,203; Apr. 21.
Finger ring. S. Grossman. Des. 67,080–1; Apr. 21.
Finishing machine. J. P. Standish. 1,534,094; Apr. 21.
Fire apparatus. L. B. Blaw. 1,534,761; Apr. 21.
Firearm, Self-loading. S. H. Bang. 1,534,486; Apr. 21.
Fire escape, Tubular. A. H. Sturges. 1,534,533; Apr. 21.
Fish, Grapple for spearing. A. Caccagatti. 1,534,914; Apr. 21.
Fishbook. S. A. Lawrence. 1,534,969; Apr. 21.
Fishing-rod handle. W. B. Zane. 1,534,674; Apr. 21.
Fishing-rod holder. O. J. Hoagland. 1,534,642; Apr. 21.
Fishing tool. G. R. Livergood. 1,534,229; Apr. 21.
Fishing tool. T. M. Rogers and J. L. Knifen. 1,534,414; Apr. 21.
Fixture stud. G. C. Thomas, jr. 1,534,146; Apr. 21.
Flap cutting and building machine. J. B. Perrault. 1,534,988; Apr. 21.
Flask: *See*—
Wooden flask.
Flask, Wooden. G. O. Bergstrom. 1,534,568; Apr. 21.
Flexible coupling. M. B. Kraft. 1,534,399; Apr. 21.
Floor heater, Electric. A. J. Kercher and W. W. Hicks. 1,534,221; Apr. 21.
Fluid in pipes, Safety apparatus for controlling the flow of. C. L. Stokoe. 1,534,881; Apr. 21.
Fluid-pressure-controlling device. P. A. Dennett. 1,534,059; Apr. 21.
Flushing apparatus. L. Simmons. 1,534,877; Apr. 21.
Fly-paper holder. E. McGough. 1,534,930; Apr. 21.
Flytrap. A. Cvengros. 1,534,771; Apr. 21.
Fodder from fish or train oil and emulsions thereof and preparing the same. J. Schwarzkopf. 1,534,741; Apr. 21.
Folding table. G. D. Smith. 1,534,470; Apr. 21.
Food container, Portable. W. H. and H. W. Sellew. 1,534,087; Apr. 21.
Forceps, Obstetrical. G. Smith. 1,534,419; Apr. 21.
Fourdrinier machines, Suction box and cover therefor for use in. A. Lewis. 1,534,854; Apr. 21.
Fractured block and making the same. H. Besser. 1,534,853; Apr. 21.
Fruit and removing a circumferential slice therefrom, Method of and apparatus for bisecting. A. L. Duncan. 1,534,507; Apr. 21.
Fruit cutter and juice extractor. C. J. Ulrich. 1,534,997; Apr. 21.
Fruit-drying apparatus. W. H. Solle. 1,534,092; Apr. 21.
Fruit picker. J. S. Andrews. 1,534,756; Apr. 21.
Fruits, Manufacture of preserved. P. Barrielle. 1,534,050; Apr. 21.
Fuel injector, Electrically-operated. A. R. Behnke. 1,534,829; Apr. 21.
Fume control. V. K. Boynton. 1,534,024; Apr. 21.
Furnace: *See*—
Electric furnace. Smelting furnace.
Hearth furnace.
Furnace lining, Refractory. D. H. Meloche. 1,534,237; Apr. 21.
Furnace roof, Open-hearth. E. P. Stevens. 1,534,472; Apr. 21.
Furnace structure. L. D. Slade. 1,534,548; Apr. 21.
Furnace tapping apparatus, Blast-. E. E. Broslus. 1,534,838; Apr. 21.
Furnaces, Arch for boiler. C. N. Morgan and A. L. Keeler. 1,534,281; Apr. 21.
Furnaces, Charging device for blast. J. K. Clutts. 1,534,028; Apr. 21.
Furnaces, Process and apparatus for. A. Reinshagen. 1,534,993; Apr. 21.
Furniture, Convertible club. C. Schari. 1,535,044; Apr. 21.
Furniture legs, Glider for. E. B. Carter. 1,534,440; Apr. 21.
Furniture, School. R. L. Avery. 1,534,630; Apr. 21.
Furniture, Store. H. P. Howard. 1,534,644; Apr. 21.
Gaff hook. E. T. Holtz. 1,534,964; Apr. 21.
Game. E. L. Horton. 1,534,390; Apr. 21.
Game. J. McLennan and E. J. Pease. 1,534,599; Apr. 21.
Game apparatus. L. B. Halliday. 1,534,522; Apr. 21.
Game apparatus. A. Hodges. 1,534,591; Apr. 21.
Game board. J. G. Pitton. 1,534,245; Apr. 21.
Game device, Chinese tile. F. L. Ordway. 1,534,805; Apr. 21.
Garment. F. E. Frank. 1,534,174; Apr. 21.
Garment hanger. W. H. Harrison. 1,534,265; Apr. 21.
Gas heater. J. R. Keller. Des. 67,086; Apr. 21.
Gas heater. A. B. Sharp. Des. 67,102; Apr. 21.
Gas heater. A. H. Wolff. Des. 67,113; Apr. 21.
Gas regulator, Automatic. E. U. G. Ernst. 1,534,577; Apr. 21.
Gases, Discharging smelter. W. H. Howard. 1,534,324; Apr. 21.
Gases, Process of and apparatus for extracting, liquefying, and separating liquefiable constituents of. E. Schill and F. Woidich. Re16,052; Apr. 21.
Gases, Process of and apparatus for treating waste smelter. W. H. Howard. 1,534,323; Apr. 21.
Gate: *See*—
Automatic gate. Crossing gate.
Gate. E. N. Cooper. 1,534,503; Apr. 21.
Gate. S. Evers. 1,534,842; Apr. 21.
Gauge: *See*—
Electrical gauge. Saw gauge.
Internal gauge. Strain gauge.
Gem setting. J. F. Donahue. 1,534,442; Apr. 21.
Gear. L. Judelson. 1,534,789; Apr. 21.
Gear-shifting mechanism. E. H. Schwars. 1,534,740; Apr. 21.
Gear teeth, Machine for rounding. T. W. Lee. 1,534,971; Apr. 21.
Gear unit, Concentric. F. J. Bostock and S. Bramley-Moore. 1,534,679; Apr. 21.
Generator: *See*—
Steam generator.
Glass, Apparatus for laying plate. F. E. Troutman and C. H. Christie. 1,534,064; Apr. 21.
Glass, Apparatus for making plate. F. E. Troutman and C. H. Christie. 1,535,062; Apr. 21.
Glass cylinders, Apparatus for drawing. W. Westbury. 1,534,432; Apr. 21.
Glass dish or similar article of manufacture. C. W. Oldham. Des. 67,095; Apr. 21.
Glass, Drawing and flattening sheet. C. W. Belden and I. B. Busard. 1,534,567; Apr. 21.
Glass-forming machine. T. Stenhouse and L. D. Boubier. 1,534,036; Apr. 21.
Glass, Laying plate. F. E. Troutman and C. H. Christie. 1,535,063; Apr. 21.
Glass, Making plate. F. E. Troutman and C. H. Christie. 1,535,061; Apr. 21.
Glass molds, Clamp for. T. Stenhouse. 1,534,878; Apr. 21.
Glass, Producing finished surfaces upon. H. J. Stead. 1,534,671; Apr. 21.
Glass tubes, more particularly tubes with rarefied gas, intended for lighting or luminous advertising, Shaping. G. Claude and J. M. E. de Beaufort. 1,534,685; Apr. 21.
Glassware, Apparatus for annealing. G. G. Oliver and T. Stenhouse. 1,534,863; Apr. 21.
Glassware, Apparatus for tempering. G. G. Oliver and T. Stenhouse. 1,534,864; Apr. 21.
Glazing cast iron. W. E. Hoke. 1,534,708; Apr. 21.
Glove. A. A. Steinberger. 1,534,616; Apr. 21.
Glove, Boxing. W. Bridge. 1,534,906; Apr. 21.
Glove, Fountain. D. E. Gibson. 1,534,208; Apr. 21.
Glycol esters, Production of. P. B. Watson. 1,534,762; Apr. 21.
Golf ball. A. Speedy. 1,535,053; Apr. 21.
Golf ball and making the same. J. R. Gammeter. 1,534,104; Apr. 21.
Golf club. G. W. Mattern. 1,534,600; Apr. 21.
Governor for tractors, Speed. S. R. Derby. 1,534,691; Apr. 21.
Grader. L. B. Sammis and F. R. Hood. 1,534,663; Apr. 21.
Grain, Apparatus for cutting and stacking. D. M. Graham. 1,534,112; Apr. 21.
Grain-drill attachment. W. W. Gibb. 1,534,941; Apr. 21.
Granite-working machine. E. A. Chase. 1,534,157; Apr. 21.
Grass, Machine for removing quack. H. E. Pearson. 1,534,658; Apr. 21.

Grate, Dumping. J. E. Hancock. 1,534,380; Apr. 21.
Grate, Furnace. F. H. McHugh. 1,534,183; Apr. 21.
Grease-cup plug. E. F. Gobatti. 1,534,942; Apr. 21.
Grinders, Sickle-holding attachment for. L. Furlong. 1,535,021; Apr. 21.
Grinding. H. F. Joseph. 1,534,393; Apr. 21.
Grinding machine. P. Conradson. 1,534,301; Apr. 21.
Grinding machine. P. Conradson, H. E. Kempton, and K. F. Gallimore. 1,534,302; Apr. 21.
Grubbing machine, Motor-driven. A. Villemaire. 1,535,067; Apr. 21.
Guard. L. A. Biggar. 1,534,496; Apr. 21.
Guarding tellers and other custodians, Device for. W. H. Palmer. 1,534,732; Apr. 21.
Gum base making, Chewing-. H. V. Dunham. 1,534,931; Apr. 21.
Gum, Manufacture of chewing. H. V. Dunham. 1,534,929; Apr. 21.
Gum, Treatment of india rubber for use in chewing. H. V. Dunham. 1,534,930; Apr. 21.
Gutter hanger. M. Rachlin. 1,534,736; Apr. 21.
Hair curler. D. T. Fridena and W. E. Judd. 1,534,063; Apr. 21.
Hair switches, Support for strands of. E. P. Hunton. 1,534,391; Apr. 21.
Handle: *See*—
Fishing-rod handle. Switch handle.
Handsaw guide. T. D. Sadler. 1,535,042; Apr. 21.
Hanger: *See*—
Garment hanger. Wire hanger.
Gutter hanger.
Harrow. M. J. Silva. 1,535,050; Apr. 21.
Harrow cart. J. W. Taylor. 1,535,058; Apr. 21.
Harvester and stacker. D. M. Graham. 1,534,111; Apr. 21.
Hat. R. Smith. 1,534,421; Apr. 21.
Hat lining. S. Krainer. 1,534,181; Apr. 21.
Hay conveyer. R. Mauvais. 1,534,602; Apr. 21.
Headlamp support. B. Jerome. 1,534,715; Apr. 21.
Headlight. C. A. B. Halvorson, jr. 1,534,849; Apr. 21.
Headlight mounting. O. Benson. 1,534,352; Apr. 21.
Headlight, Vehicle. J. H. Anson. 1,534,253; Apr. 21.
Headlights, Safety adjusting mechanism for automobile. J. G. B. Rorick and S. Ruckman. 1,534,869; Apr. 21.
Hearth furnace, Multiple-unit. O. L. Barnebey. 1,534,488; Apr. 21.
Heater: *See*—
Automobile radiator heater. Rivet heater.
Electric heater. Shoe heater.
Floor heater. Water heater.
Heat exchanger. I. Lundgaard. 1,534,794; Apr. 21.
Heat-radiating device. J. L. Donat. 1,534,168; Apr. 21.
Heat-saturation indicator. W. S. Scott. 1,534,874; Apr. 21.
Heating device. J. L. Donat. 1,534,169; Apr. 21.
Heating device. J. L. Donat. 1,534,575; Apr. 21.
Heating device for burning and drying purposes, Electric. W. Cooper. 1,534,689; Apr. 21.
Heating drum or radiator. F. J. Flanagan. 1,535,072; Apr. 21.
Heating element, Electrical. W. W. Weir. 1,534,673; Apr. 21.
Heating materials, Process of and apparatus for. C. J. Reed. 1,534,737; Apr. 21.
Heating system. S. Cristiani. 1,534,921; Apr. 21.
Heating unit, Electric. F. von Schlegell. 1,534,553; Apr. 21.
Heel. B. Sandor. 1,534,739; Apr. 21.
Heel-building machine. E. Hansalpakar. 1,534,315; Apr. 21.
Heel lift slining, pressing, and nailing machine. E. E. Winkley. 1,534,048; Apr. 21.
Heel-trimming machine. J. A. Brogan. 1,534,257; Apr. 21.
Helicopter, Hydro-auto-. W. D. Davis. 1,534,692; Apr. 21.
Highway marker. C. L. Schoubee. 1,534,084; Apr. 21.
Hinge. J. J. Shea, jr. 1,534,467; Apr. 21.
Hoes, rakes, shovels, etc., Auxiliary handle for. W. B. Parrish. 1,534,075; Apr. 21.
Hoist, Skip. R. H. Beaumont. 1,534,891; Apr. 21.
Hoisting apparatus. A. E. Norris. 1,534,538; Apr. 21.
Hoisting hitch, Motor-. C. M. Jenkins. 1,535,022; Apr. 21.
Hollow articles, Apparatus for molding. T. E. Murray. 1,534,134; Apr. 21.
Hook: *See*—
Clevis hook. Swivel hook.
Gaff hook.
Hose pipes, Coupling for pneumatic. W. McMillan. 1,534,798; Apr. 21.
Hose reel. C. M. White. 1,534,433; Apr. 21.
Hose support, Garden. W. L. Abby. 1,534,438; Apr. 21.
Hot-water boiler. C. G. Adams. 1,534,150; Apr. 21.
Humidifying apparatus, Electrically-heated. O. D. Hogue. 1,534,388; Apr. 21.
Hydro-extractor. C. Lumpp. 1,534,278; Apr. 21.
Ice-cream disher. J. Balzak. 1,534,090; Apr. 21.
Ignition coil. C. H. Caine. 1,534,258; Apr. 21.
Ignition system. W. W. Hawkins. 1,534,384; Apr. 21.
Illuminated instrument. F. J. Metzger. 1,534,279; Apr. 21.
Image. F. J. McClish. Des. 67,093; Apr. 21.
Implement-adjusting means. R. McCluskey. 1,534,234; Apr. 21.
Implement, Combination. J. P. Broecker. 1,534,907; Apr. 21.
Indicator: *See*—
Direction indicator. Vehicle direction indicator.
Heat-saturation indicator.
Ink ribbons, Fastener for. H. Abbott. 1,534,755; Apr. 21.
Inlay fillings, Investing destructible patterns for. J. Cline. 1,535,017; Apr. 21.
Insect and nest destroyer. J. C. Porter. 1,534,784; Apr. 21.
Insecticide, Liquid contact. L. F. Hoyt. 1,534,325; Apr. 21.
Insole-reenforcing machine. J. B. Hadaway and T. H. Seely. 1,534,113; Apr. 21.
Insulating board, Keyed. C. A. Rolfe. 1,534,142; Apr. 21.
Internal-combustion engine. F. Müller. 1,534,459; Apr. 21.
Internal-combustion engine. M. Prétot. 1,535,088; Apr. 21.
Internal-combustion motor. F. Hiemer. 1,534,951; Apr. 21.
Internal gauge, Adjustable. J. Bath and R. H. C. Grunewald. 1,534,152; Apr. 21.
Iron: *See*—
Waffle iron.
Iron. R. F. Hall. 1,534,946; Apr. 21.
Iron cutter, Angle-. N. Krump. 1,534,274; Apr. 21.
Jack: *See*—
Lifting jack. Ratchet jack.
Jack. M. F. Bernson. Re16,050; Apr. 21.
Jar holder. T. H. Triplett. 1,534,429; Apr. 21.
Joint: *See*—
Pipe joint.
Joint structure. J. J. Shea, jr. 1,534,468; Apr. 21.
Jointing machine. F. H. Perry. 1,534,076; Apr. 21.
Journal box. F. S. Barks. 1,535,016; Apr. 21.
Journal box, Roller-bearing. W. V. Johnson. 1,534,123; Apr. 21.
Keyhole plug. J. Stapleton. 1,534,745; Apr. 21.
Knitting apparatus. R. C. Gebers. 1,534,311; Apr. 21.
Knitting machines, etc., Thread moving and controlling means for. R. E. Wallace. 1,534,556; Apr. 21.
Knitting machines, Fabric receiver for. G. W. Fitting. 1,534,445; Apr. 21.
Knitting machines, Mechanism for producing openwork on. W. L. Houseman. 1,534,785; Apr. 21.
Knitting machines, Needle-operating mechanism for. A. Leviton and W. Kaplan. 1,534,972; Apr. 21.
Label-pasting machine, Automatic. G. D. Bishop and C. P. Hartman. 1,534,355; Apr. 21.
Lace. C. W. Birkin and E. T. Sands. Des. 67,065–8; Apr. 21.
Laces and the like, Fastener for shoe. A. L. Cochrane. 1,534,029; Apr. 21.
Lamp and sound-reproducing device, Combined. W. Ernt and A. E. Lange, jr. Des. 67,077; Apr. 21.
Lamp for mines, Incandescent safety. L. E. F. Ferrette. 1,534,370; Apr. 21.
Lamp-shade-joint construction. A. Scherer. 1,534,466; Apr. 21.
Lamp, Vehicle. A. Reeves. 1,534,991; Apr. 21.
Lamps, Air pump for safety. L. E. F. Ferrette. 1,534,369; Apr. 21.
Lamps, etc., Base for. M. J. Murphy. Des. 67,094; Apr. 21.
Latch for refrigerator doors. A. N. Hornung. 1,534,216; Apr. 21.
Latching means, Door-. V. R. Willoughby. 1,534,047; Apr. 21.
Lawn sprinkler. J. W. McGee. 1,534,979; Apr. 21.
License plate holder. C. T. and A. C. Bowen. 1,534,905; Apr. 21.
Life preserver. H. C. Tyner. 1,534,552; Apr. 21.
Lifeboat davit. S. E. Allbin. 1,534,049; Apr. 21.
Lifting jack. A. Reeves. 1,534,992; Apr. 21.
Light: *See*—
Electric light.
Lighting fixture. W. B. Goddard. 1,534,641; Apr. 21.
Lighting fixture. J. K. Riddle. 1,534,662; Apr. 21.
Lighting-fixture backplate. A. R. Krause. Des. 67,090–2; Apr. 21.
Lighting-fixture body. M. Klein. Des. 67,088; Apr. 21.
Lighting-fixture bracket. P. Siptrott. Des. 67,103; Apr. 21.
Lighting-fixture bracket. M. Stern. Des. 67,100; Apr. 21.
Lighting-fixture bracket back. L. R. Wellman. Des. 67,110; Apr. 21.
Lighting-fixture bracket or similar article. I. Rosenblatt. Des. 67,098; Apr. 21.
Lighting-fixture candle cup. J. De Leo. Des. 67,074; Apr. 21.
Lighting-fixture part. P. Siptrott. Des. 67,104; Apr. 21.
Line-justification-indicating mechanism. S. Harder. 1,534,523; Apr. 21.
Link, Connecting. A. A. Tirrill. 1,535,060; Apr. 21.
Liquid and air separator. H. D. Binks. 1,534,833; Apr. 21.
Liquid-dispensing apparatus. A. P. Fleckenstein. Des. 67,078; Apr. 21.

Liquid-fuel burner. L. Campbell, jr. 1,534,295; Apr. 21.
Liquid measuring and filling machine. C. B. Steere. 1,534,085; Apr. 21.
Liquid-measuring device. J. D. Mercer. 1,534,238; Apr. 21.
Liquids, Centrifugal cleaner for circulating. W. W. Stryker. 1,534,191; Apr. 21.
Liquids from solid bodies mixed or suspended therein, Apparatus for separating. R. E. Wagner and J. D. Ullgren. 1,534,620; Apr. 21.
Lock: *See*—
Doorlock. Valve lock.
Lock for tongs. B. Q. Jones. 1,534,218; Apr. 21.
Lock, Interchangeable combination key. E. M. Benham. 1,534,495; Apr. 21.
Locomotive boiler. C. G. Hawley. 1,534,590; Apr. 21.
Locomotive saddle structure. H. W. Snyder and A. J. Townsend. 1,534,423; Apr. 21.
Locomotive water cooler. C. Kohler. 1,534,453; Apr. 21.
Loom attachment. M. A. Goldman. 1,534,033; Apr. 21.
Loom shuttle. G. A. Litchfield. 1,535,076; Apr. 21.
Loom take-up mechanism. W. S. Wells. 1,534,345; Apr. 21.
Looms, Harness stop and signal device for. S. Magnano. 1,534,127; Apr. 21.
Looms, Shuttle-checking mechanism for. J. A. B. Lomax, W. and J. Turner, and J. B. Bentley. 1,534,792; Apr. 21.
Loop drier. A. O. Hurxthal. 1,534,853; Apr. 21.
Loud speaker. A. A. Kent. 1,534,267; Apr. 21.
Lubricating apparatus, High-pressure. V. C. Fogelberg. 1,534,173; Apr. 21.
Luminous device. H. Foley. 1,534,937; Apr. 21.
Magnesium and alloys thereof, Flux for. J. A. Gann. 1,534,105; Apr. 21.
Mail box. C. N. Cox. 1,534,920; Apr. 21.
Mandrel, Expansible. W. W. Roney. 1,534,868; Apr. 21.
Manifolding book. W. J. Wiswall. 1,534,478; Apr. 21.
Map holder, Automobile. E. K. Bahsler. 1,534,151; Apr. 21.
Massage device. J. O. Linden. 1,534,974; Apr. 21.
Massage instrument. A. Feldheym. 1,534,444; Apr. 21.
Mat: *See*—
Bathtub mat.
Materials, Separating loosely-mixed. T. Fraser and H. F. Yancey. 1,534,846; Apr. 21.
Measuring liquids, Apparatus for. W. L. Marden. 1,534,128; Apr. 21.
Merchandise into vehicles, Apparatus for loading. J. McLeod. 1,534,797; Apr. 21.
Mercury derivative of dibrom-fluorescein. E. C. White. 1,535,003; Apr. 21.
Merry-go-round, Wheeled. G. R. Beebe. 1,534,894; Apr. 21.
Metal, Bending. L. I. Heintz. 1,534,314; Apr. 21.
Metal for foundry castings, Using direct blast-furnace. D. F. Baker. 1,534,561; Apr. 21.
Metals, Coating and alloying. J. J. Dugan. 1,534,928; Apr. 21.
Metals for painting, Preparing. J. H. Gravell. 1,534,446; Apr. 21.
Metallurgical process. F. M. Dorsey. 1,535,019; Apr. 21.
Micrometer tuning dial. J. P. Burke. 1,534,356; Apr. 21.
Milking-machine pulsator. J. A. Schmitt. 1,534,612; Apr. 21.
Milking machinery, Milk-sample-obtaining means for use in vacuum. J. W. Fuge. 1,534,039; Apr. 21.
Milking vessel. L. A. Zohe. 1,534,628; Apr. 21.
Mill: *See*—
Nut mill.
Mine doors, switches, or the like, Apparatus for operating. E. H. Grim. 1,534,702; Apr. 21.
Mineral-separating machine. O. W. Alston. 1,534,481; Apr. 21.
Mining machine. E. O'Toole. 1,534,461–3; Apr. 21.
Miter machine. E. D. Hurley. 1,534,957; Apr. 21.
Mixer: *See*—
Water mixer.
Mo'd: *See*—
Bathtub mold.
Mold. W. H. Nichols. 1,534,655; Apr. 21.
Mold box. E. and J. H. Besser. 1,534,354; Apr. 21.
Mold support. L. W. Claybourn. 1,534,918; Apr. 21.
Molds, Plugging auxiliary gates of. E. F. Begtrup. 1,534,022; Apr. 21.
Molding machine. E. O. Beardsley and W. F. Piper. 1,534,566; Apr. 21.
Molding machine. P. P. Fraser. 1,535,020; Apr. 21.
Molding machine. J. A. Sperry. 1,534,615; Apr. 21.
Molding machine, Impact. E. A. Rich, jr. 1,534,800; Apr. 21.
Molding machine, Portable. E. O. Beardsley. 1,534,565; Apr. 21.
Motion mechanism, Dwell-. W. S. Wells. 1,534,344; Apr. 21.
Motion-control system. H. H. Vernon. 1,534,750; Apr. 21.
Motor: *See*—
Electric motor. Wave motor.
Internal-combustion motor.
Mulch. D. Finley. 1,534,571–2; Apr. 21.

Musical instruments, Machine for forming sockets on. E. J. Gulick and M. V. Hawkins. 1,534,520; Apr. 21.
Nail puller, Claw-hammer. C. N. Loven. 1,534,277; Apr. 21.
Nailing block. L. Simmons. 1,534,876; Apr. 21.
Necktie. R. A. Acchione. 1,534,847–8; Apr. 21.
Needle. J. B. Doble. 1,534,926; Apr. 21.
Needle-operating mechanism. A. Leviton and W. Kaplan. 1,534,973; Apr. 21.
Neutralizing foreign interference. H. Nyquist. 1,534,078; Apr. 21.
Nut locks, Washer for. W. H. Tice. 1,534,427; Apr. 21.
Nut mill. R. A. Greene. Re16,046; Apr. 21.
Objects with desired outline and surface, Producing. I. J. E. Agren and G. Rosenqvist. 1,534,479; Apr. 21.
Oil burner. N. F. Pratt. 1,535,078; Apr. 21.
Oil-dispensing device. H. B. Timms. 1,534,883; Apr. 21.
Oil, Emulsifying milk. C. E. North. 1,534,539; Apr. 21.
Oil switch. J. D. Hilliard. 1,534,707; Apr. 21.
Oils, Processing hydrocarbon lubricating. H. G. Fowler. 1,534,876; Apr. 21.
Oils, Treating hydrocarbon. C. P. Dubbs. 1,534,927; Apr. 21.
1-aryl-5-pyrazolones and making same. H. Fritzsche and E. Reber. 1,534,512; Apr. 21.
Ore-reducing process. E. Knauer. 1,534,648; Apr. 21.
Ores, and particularly of iron ores, Direct reduction of. L. P. Basset. 1,534,051; Apr. 21.
Oscillation detector. R. Brownlie. 1,534,769; Apr. 21.
Oven. G. P. Simpson. 1,534,190; Apr. 21.
Oven, Baker's. E. B. Crawford. 1,534,841; Apr. 21.
Oven for cooking stoves. J. Murach. 1,534,072; Apr. 21.
Oven, saucepan, and the like. M. Tocchio. 1,534,748; Apr. 21.
Ovens, Electrically-heated traveling. R. G. Tugendhat. 1,534,042; Apr. 21.
Packer head, Control. C. M. and J. W. Heeter. 1,534,851; Apr. 21.
Packing ring and piston. J. T. Wilson. 1,534,198; Apr. 21.
Pad holder. J. B. Kemp. 1,534,124; Apr. 21.
Paint and varnish scraper, Electric. C. J. Hohman. 1,534,953; Apr. 21.
Paint, Cement. S. B. Newberry. 1,534,240; Apr. 21.
Paints, enamels, inks, and other viscous materials, Mill for grinding. S. Smith. 1,535,052; Apr. 21.
Paper-box caps, Method of and apparatus for making. F. Gansert and H. Gansert, jr. 1,534,698; Apr. 21.
Paper-box-making machine. C. Butterfield. 1,534,569; Apr. 21.
Paper container. A. Moore. 1,534,803; Apr. 21.
Paper, Crêping. E. H. Angier. 1,534,482; Apr. 21.
Paper cups, Machine for manufacturing crimped. E. L. Eiwell. 1,534,100; Apr. 21.
Paper, Dry crinkling. K. Wandel. 1,534,622; Apr. 21.
Paper-drying machine. C. Nelson. 1,534,460; Apr. 21.
Paper flag. W. A. Lorens. 1,534,052; Apr. 21.
Paper-folding machine. W. G. Trautman. 1,534,884–5; Apr. 21.
Paper-hanger's seam roller. W. R. Yant. 1,534,559; Apr. 21.
Paper machines, Flow box for. A. N. Russell. 1,534,080; Apr. 21.
Paper-making machine, Fourdrinier type of. J. E. McLaughlin and J. O. Hamel. 1,534,948; Apr. 21.
Path device, Multiple. G. H. Huss. 1,534,958; Apr. 21.
Pattern plates, Making matched. J. R. Wood. 1,534,625; Apr. 21.
Paying machines, Coin-counting device for money-. A. E. Sorum and E. T. Brockman. 1,534,551; Apr. 21.
Pedestal for stands. R. L. Betterley. 1,534,759; Apr. 21.
Pencil clip. H. J. McMaster. 1,534,653; Apr. 21.
Pendant. L. S. Chilson. 1,534,684; Apr. 21.
Perfumer, Electric. L. Weidlich. 1,534,624; Apr. 21.
Phonograph attachment. D. McIntyre. 1,534,068; Apr. 21.
Piano-keyboard card system. A. Y. Smith. 1,534,669; Apr. 21.
Pianos and the like, Metal sound board for. F. Frankel. 1,534,809; Apr. 21.
Picker: *See*—
Fruit picker.
Pickling machine. H. W. Krans and F. R. Klaus. 1,535,024; Apr. 21.
Pickling-tank construction. R. C. Hopkins. 1,534,643; Apr. 21.
Picot-cutting attachment, Automatic. F. K. Martinek. 1,535,025; Apr. 21.
Picture machines, Crank connection for motion. A. F. Victor. 1,534,044; Apr. 21.
Picture projector, Moving-. H. B. Hussey. 1,534,326; Apr. 21.
Pigment and making same. S. J. Beebe. 1,534,078; Apr. 21.
Pin: *See*—
Bolting-up pin.
Pipe: *See*—
Tobacco pipe.
Pipe connection, Air-brake-. H. A. Veal. 1,534,147; Apr. 21.
Pipe-engaging slip. G. R. Livergood. 1,534,227; Apr. 21.
Pipe joint. A. H. Stowell. 1,534,425; Apr. 21.

Pine, Multiple-jaw slip for engaging. G. R. Livergood. 1,534,228; Apr. 21.
Pipe reamer. D. H. Browder. 1,534,906; Apr. 21.
Pipe section, Sheet-metal. L. E. Pritchard. 1,534,990; Apr. 21.
Pipes, Sterilising attachment for water-supply. W. S. Bachman. 1,534,256; Apr. 21.
Piston, Pump. F. J. Lemieux. 1,534,225; Apr. 21.
Piston, Pump. E. Timmons. 1,534,747; Apr. 21.
Piston ring. L. D. Bax. 1,534,153; Apr. 21.
Piston ring. W. R. Heslewood. 1,534,386; Apr. 21.
Piston ring. E. O. Weatherwax. 1,535,069; Apr. 21.
Piston structure. O. E. Briney. 1,534,765; Apr. 21.
Pistons and the like, Sealing means for. O. E. Briney. 1,534,766; Apr. 21.
Planer, Subgrade. G. E. Webb. 1,534,046; Apr. 21.
Plant deflector. W., E., E., and D. Stoebner. 1,534,880; Apr. 21.
Plants, Process of and composition of matter for killing. E. Teppet. 1,534,289; Apr. 21.
Plaster-block machines, Feeding mechanism for. G. H. A. Ruby. 1,534,610; Apr. 21.
Platform, Traveling riveting. J. H. Ames. 1,534,018; Apr. 21.
Plow gauge wheel. G. Denbigh and R. Walker. 1,534,058; Apr. 21.
Plows, Cutter attachment for. W. G. Wood. 1,534,098; Apr. 21.
Plumb bob. J. A. Kiesler. 1,534,397; Apr. 21.
Polishing device. J. D. Dempsey. 1,534,259; Apr. 21.
Porcelain legs, Apparatus for making. A. Hansen. 1,534,780; Apr. 21.
Portable rack. T. S. Crampton. 1,534,504; Apr. 21.
Pot: *See*—
  Wax pot.
Pottery work, Mold for. W. B. Butler. 1,534,155; Apr. 21.
Powder, rouge, or the like, Container for face. W. H. Roystone. 1,534,870; Apr. 21.
Power-transmission system, Electrical-. A. M. Taylor. 1,535,057; Apr. 21.
Press: *See*—
  Bench arbor press. Sole-molding press.
Presser board. J. M. Fraser. 1,534,510; Apr. 21.
Presser-roller construction. A. Vanderveld. 1,534,326; Apr. 21.
Printing apparatus suitable for printing telegraphic messages. F. G. Creed. 1,534,164; Apr. 21.
Printing, Color. J. O. Ball. 1,534,292; Apr. 21.
Protective system. A. S. Fitzgerald. 1,534,897; Apr. 21.
Puller: *See*—
  Bottle-cap puller. Spike puller.
  Nail puller. Wheel puller.
Pulley, Clothesline. W. Maluss. 1,534,800; Apr. 21.
Pulley, Friction clutch. V. E. McMullen and W. E. Woodruff. 1,534,983; Apr. 21.
Pulp treatment. W. A. Stedman. 1,534,145; Apr. 21.
Pump-rod elevator. R. M. Shearer. 1,534,089; Apr. 21.
Pump, Tape-controlled measuring. J. Albrecht. 1,534,349; Apr. 21.
Rack: *See*—
  Portable rack.
Radiant energy, Receiving system for. J. H. Hammond, jr. 1,534,704; Apr. 21.
Radiator and bathtub sling. J. M. Sims. 1,534,614; Apr. 21.
Radiator caps, Lock for. J. L. Oberdorfer. 1,534,607; Apr. 21.
Radiator cover. C. M. Poetsch. Des. 67,097; Apr. 21.
Radiator filling and cooling cap. E. Tomlinson. 1,534,428; Apr. 21.
Radiator, Nonfreezing. G. E. Walter. 1,534,195; Apr. 21.
Radiochart. J. P. Coughlin. 1,534,055; Apr. 21.
Radio receiving system. E. W. Kellogg. 1,534,719; Apr. 21.
Radio receiving system. E. W. Kellogg and C. W. Rice. 1,534,720; Apr. 21.
Radius rod. H. M. Westholz. 1,535,002; Apr. 21.
Rail anchor. H. G. Warr. 1,534,623; Apr. 21.
Railway frog. P. Hoffman. 1,534,178; Apr. 21.
Railway rails, Anticreeper for. W. S. Weston. 1,534,821; Apr. 21.
Rat trap. W. P. Kennedy. 1,534,528; Apr. 21.
Ratchet jack. F. H. Schwerin. 1,534,613; Apr. 21.
Razor blades, Holder for stropping safety-. C. F. Gaunt. 1,534,310; Apr. 21.
Razor holder. E. H. Lusher. 1,534,404; Apr. 21.
Razor, Safety. E. S. Savage. 1,534,665; Apr. 21.
Razors, Safety attachment for. J. R. Goza. 1,534,812; Apr. 21.
Razors, Safety attachment for. S. Jaso. 1,534,786; Apr. 21.
Reamer. J. S. Brown. Re16,051; Apr. 21.
Reaming device, Adjustable. A. A. Morrison. 1,535,027; Apr. 21.
Record-strip composing machines, Signal means for. S. Harder. 1,534,524; Apr. 21.
Reed holder. W. H. Wakefield. 1,534,252; Apr. 21.
Reel: *See*—
  Hose reel.
Refuse-oil burner. J. H. Larson. 1,534,660; Apr. 21.
Register block. F. Wallick. 1,534,751; Apr. 21.
Regulator: *See*—
  Damper regulator. Viscosity regulator.
  Gas regulator.
Remedy for syphilis, Producing a. S. Bergel. 1,534,832; Apr. 21.
Removable wheel. L. Rouanet. 1,534,828; Apr. 21.
Ring: *See*—
  Piston ring.
Ring expander. G. C. Beck. 1,534,490; Apr. 21.
Rivet heater, Electric. W. S. Johnson and J. W. Sheffer. 1,534,122; Apr. 21.
Rod: *See*—
  Radius rod.
Roller: *See*—
  Paper-hanger's seam roller.
Roof structure. C. S. Freund. 1,534,175; Apr. 21.
Roofing. D. A. Cumfer. 1,534,165; Apr. 21.
Roofing bracket. J. F. Kemmerling. 1,534,647; Apr. 21.
Rotary engine. J. Lithgoe. 1,534,182; Apr. 21.
Rotary unit, Combined. F. Kauter. 1,534,451; Apr. 21.
Rubber and leather material and making same, Composite. A. G. McKinnon. 1,534,456; Apr. 21.
Rubber containers, Mold for making hard-. J. E. Perrault. 1,534,409; Apr. 21.
Rubber fabrication. H. Joseph. 1,534,527; Apr. 21.
Rubber, Surfacing sponge. T. W. Miller. Re16,047; Apr. 21.
Sadiron, Electrically-heated. A. E. Reimers and C. C. Waite. 1,534,542; Apr. 21.
Safety device. E. A. Copeland. 1,534,360; Apr. 21.
Safety switch. B. E. Getchell. 1,534,516; Apr. 21.
Sand-mulling machine, Continuous foundry-. H. S. Simpson. 1,534,331; Apr. 21.
Sand trap and strainer. W. L. Marden. 1,534,129; Apr. 21.
Sash-glazing device. M. B. Harris. 1,534,705; Apr. 21.
Sash weight. J. Brogden. 1,534,767; Apr. 21.
Saw-filing machine. J. F. W. Diegel. 1,534,637; Apr. 21.
Saw gauge. W. E. Posey; 1,534,541; Apr. 21.
Saw support and guide. G. N. Lyon. 1,534,405; Apr. 21.
Scalding animals, Process and apparatus for. G. J. Fouter. 1,534,207; Apr. 21.
Scraper, Harrow. C. A. Barnes. 1,534,480; Apr. 21.
Screen. R. H. Beaumont. 1,534,892; Apr. 21.
Seat: *See*—
  Car seat. Window-cleaner's seat.
Self-serving table. C. D. Williams. 1,534,557; Apr. 21.
Separator: *See*—
  Liquid and air separator.
Serum extractor. E. C. Buck and C. Christiansen. 1,534,913; Apr. 21.
Serving dish. W. L. Smith. 1,534,471; Apr. 21.
Sewing machine. J. E. Valentine. 1,534,818; Apr. 21.
Sewing machines, Tension device for. R. L. Hanson. 1,534,264; Apr. 21.
Shackle. W. A. Tryon. 1,534,192–3; Apr. 21.
Sharpener, Pencil. L. Rupp. 1,534,547; Apr. 21.
Shaving-cream dispenser. F. De Palma. 1,534,307; Apr. 21.
Shawl or the like. D. Paston. Des. 67,096; Apr. 21.
Shearing device. H. C. Watson. 1,534,990; Apr. 21.
Sheathing board. M. H. Frederiksen. 1,534,511; Apr. 21.
Sheet material, Machine for feeding. J. P. Rens. 1,534,464; Apr. 21.
Ship propulsion. C. Macmillan. 1,534,725; Apr. 21.
Shock absorber. W. W. Cashel, sr. 1,534,502; Apr. 21.
Shock absorber for vehicles. H. W. Stark and T. D. Reese. 1,534,424; Apr. 21.
Shoe bottoms, Machine for operating on. E. Erickson. 1,534,061; Apr. 21.
Shoe cleaner. W. G. Callender. 1,534,156; Apr. 21.
Shoe-cleaning-stick container, applicator, and distributor. A. L. Aste. 1,534,827; Apr. 21.
Shoe for use in counter construction, Waterproof. J. K. Demeter. 1,534,925; Apr. 21.
Shoe heater. W. H. Baynard. 1,534,021; Apr. 21.
Shoe linings, Machine for smoothing. A. F. Pym. 1,534,077; Apr. 21.
Shoe tread. L. B. Conant. 1,534,919; Apr. 21.
Shoe with removable sole and heel. J. Pezzaniti. 1,534,540; Apr. 21.
Show cards, advertisements, signs, decorations, or the like by stenciling, Production of. H. H. and G. M. Scott. Re16,048; Apr. 21.
Shrapnel plug. M. E. Dunlap. 1,534,204; Apr. 21.
Sign, Wind. H. Correll. 1,534,634–5; Apr. 21.
Signal: *See*—
  Automobile signal. Traffic signal.
  Driving signal. Vehicle signal.
Silica bricks, Manufacture of. J. Wilson. 1,534,199; Apr. 21.
Sintering machines, Pallet for. J. Knox. 1,534,398; Apr. 21.
Sirup and preparing the same, Palatable beet. H. W. Dahlberg. 1,534,166; Apr. 21.
Skate, Roller. M. N. Matveyeff. 1,534,601; Apr. 21.
Smelting furnace, Vertical-retort. F. Flechtl and W. Kappellmann. 1,534,935; Apr. 21.
Smokehouse. C. Peschke and H. Killian. 1,534,867; Apr. 21.
Snap. F. G. Haage. 1,534,944; Apr. 21.

Snow-clearing machine. M. Schmidt. 1,534,611; Apr. 21.
Snow guard. B. A. Hudson. 1,534,449; Apr. 21.
Snowplow attachment. H. E. Ebert. 1,534,638; Apr. 21.
Soil or seed, Apparatus for testing. O. C. Earp-Thomas. 1,534,506; Apr. 21.
Soldering machine, Can-body-. F. A. Assmann, jr., and A. L. Kronquest. 1,534,677; Apr. 21.
Sole-molding press. F. E. Beckman. 1,534,052; Apr. 21.
Sorting machines, Pin-box construction for. W. W. Lasker. 1,534,595; Apr. 21.
Sound-translating apparatus. H. Vogt, J. Engl, and J. Massolle. 1,534,148; Apr. 21.
Spark plug. G. Natoli. 1,534,986; Apr. 21.
Spark plug. D. Sprada. 1,534,744; Apr. 21. 1,534,744; Apr. 21.
Sparking plug. L. Korczynski. 1,534,065; Apr. 21.
Spike puller. J. S. Wincrants. 1,535,006; Apr. 21.
Spindle and wheel construction. V. De Bellis. 1,534,056; Apr. 21.
Spinner and fly, Combined. L. L. Leberman and H. T. Jacobs. 1,534,722; Apr. 21.
Spinning-frame stopping mechanism. R. W. Gossett. 1,534,262; Apr. 21.
Spinning machine. J. C. Potter. 1,535,036; Apr. 21.
Spinning machines, Roller mechanism for. R. A. Morse. 1,534,071; Apr. 21.
Sponge-holding apparatus. F. N. Coltrane. 1,534,300; Apr. 21.
Spring setting and tempering apparatus. P. Riedele, P. B. Cason, and K. R. Herman. 1,534,543; Apr. 21.
Spring structure and assembling same. W. H. Kinney. 1,534,268; Apr. 21.
Sprinkler: *See*—
  Lawn sprinkler.
Sprinkler. H. F. Congable. 1,534,633; Apr. 21.
Sprinkler head. J. D. Roos. 1,534,540; Apr. 21.
Square, Universal. L. Aprile. 1,534,757; Apr. 21.
Stamping and counting machine, Combined. S. J. Kustel. 1,534,530; Apr. 21.
Stand. M. H. Rubmann. 1,535,041; Apr. 21.
Stapling and folding mechanism. O. Roesen. 1,534,247; Apr. 21.
Stapling mechanism. O. Roesen. 1,534,141; Apr. 21.
Starch-cleaning machine. F. M. Schuler. 1,534,410; Apr. 21.
Statuette. M. Johnson. Des. 67,084; Apr. 21.
Steam engine. J. J. McArdle. 1,534,598; Apr. 21.
Steam engine. L. L. Scott. 1,534,143; Apr. 21.
Steam generator, Electric. A. N. Russell, B. A. Malkin, and W. P. Muir. 1,534,079; Apr. 21.
Steering gear, Hydraulic. H. Kundig. 1,534,791; Apr. 21.
Stereotype-metal pump. H. F. Bechman. 1,534,492; Apr. 21.
Stereotype-plate casting and finishing apparatus. H. F. Bechman. 1,534,491; Apr. 21.
Stereotype-plate-casting apparatus. H. F. Bechman. 1,534,493; Apr. 21.
Stock drencher. C. E. Nichols. 1,534,241; Apr. 21.
Stocking and making the same, Seamless. G. P. Bosworth. 1,534,763; Apr. 21.
Stoker, Chain-grate. G. Mourlam and M. Sutter. 1,534,186; Apr. 21.
Stone, Sling for handling. E. A. Chase. 1,534,159; Apr. 21.
Stone, Wheel for dressing. E. A. Chase. 1,534,158; Apr. 21.
Storage bin, Compost-. J. J. Rettler. 1,535,039; Apr. 21.
Stove. O. E. Bloomquist. 1,534,897; Apr. 21.
Stove, Electric table. H. A. Zioia. 1,534,823–4; Apr. 21.
Strain gauge. J. W. Owens. 1,534,865; Apr. 21.
Strap: *See*—
  Belt strap.
Strawlike materials, Industrial utilization of. E. Markóczi and S. J. Adam. 1,534,236; Apr. 21.
Stretching and drying apparatus. R. V. Lyon. 1,534,584; Apr. 21.
Stumps, Apparatus for severing. E. A. McKoy and G. D. Moore. 1,534,856; Apr. 21.
Suitcase. A. Kahlow. 1,534,646; Apr. 21.
Sulphur pig iron from high-sulphur furnace burdens, Producing low-. S. Peacock. 1,534,244; Apr. 21.
Superheater and draft-distributing deflector, Combined steam. T. Larrey and L. Godard. 1,534,402; Apr. 21.
Sweeping machine, Street-. J. C. Lundy. 1,534,283; Apr. 21.
Switch: *See*—
  Electric switch. Safety switch.
  Electric safety switch. Telephone switch.
  Oil switch.
Switch box, Sectional. E. H. Lewis. 1,534,723; Apr. 21.
Switch handle, Rotary. G. Butske. 1,534,681; Apr. 21.
Switch-operating means, Mounting for. F. E. Case and A. T. Crocker. 1,534,683; Apr. 21.
Switching system, Automatic. G. E. McDonald 1,534,724; Apr. 21.
Swivel hook. M. G. Stewart. 1,534,879; Apr. 21.
Synthetic manufacture of cyanide. G. H. Clevenger. 1,534,054; Apr. 21.
Syringe. J. A. Hunter. 1,534,852; Apr. 21.
Table: *See*—
  Billiard table. Folding table.
  Dining table. Self-serving table.
Tanks, Bracket for flush. E. L. Delany. 1,534,924; Apr. 21.
Tanks, Key-locked cap for. M. H. Brede and O. L. Longpre. 1,534,836; Apr. 21.
Tape, cord, yarn, rope, fabric, or other material produced from fibers, Manufacture of. G. E. Andrew. 1,534,676; Apr. 21.
Teakettle. M. Smith. 1,534,670; Apr. 21.
Teapot or similar article. F. W. Stark. Des. 67,106–6; Apr. 21.
Telegraph system, Synchronous. J. V. Foll. 1,535,073; Apr. 21.
Telegraph systems, Trouble indicator for. W. A. Houghtaling. 1,535,074; Apr. 21.
Telegraphic distribution system. L. M. Potts. 1,534,660–1; Apr. 21.
Telegraphy. R. D. Parker. 1,534,074; Apr. 21.
Telephone circuit, Automatic substation. A. B. Smith. 1,534,144; Apr. 21.
Telephone receiver. R. C. Browne. 1,534,910–11; Apr. 21.
Telephone-receiver diaphragm. H. Fischer. 1,534,373; Apr. 21.
Telephone switch, Automatic. H. W. Goff. 1,534,109; Apr. 21.
Telephone systems, Switch-control circuit for automatic. A. B. Smith. 1,534,549; Apr. 21.
Telephony with or without a line, High-frequency. L. Pungs. 1,535,087; Apr. 21.
Temperatures, Method and device for the production of high. W. Oehm. 1,534,243; Apr. 21.
Template-filling machine. H. A. Weihmann. 1,534,338; Apr. 21.
Tennis-net support. H. L. Wright. 1,534,437; Apr. 21.
Tennis nets, Center strap for. S. Hardy. 1,534,447; Apr. 21.
Tension feeler. S. G. Touchstone. 1,534,040–1; Apr. 21.
Textile fabric. F. M. Kaufman. Des. 67,085; Apr. 21.
Textile fabric. F. Zimmerer. Des. 67,114; Apr. 21.
Thrashing machine, Centrifugal. H. L. Strong and T. E. Forster. 1,534,426; Apr. 21.
Tilting device, Hydraulic. H. Burkhardt and R. Wirs. 1,534,439; Apr. 21.
Timer. J. M. Lopez. 1,534,280; Apr. 21.
Timer governor. W. C. Brinton, jr. 1,534,025; Apr. 21.
Timing synchroniser. H. B. Colestock. 1,534,161; Apr. 21.
Tire boot. R. L. Peugh. 1,534,989; Apr. 21.
Tire-building tool. W. Thompson. 1,534,038; Apr. 21.
Tire chain, Automobile. D. A. Ward. 1,535,071; Apr. 21.
Tire-chain tool. A. J. Pelletier. 1,534,284; Apr. 21.
Tire, Combined cushion and pneumatic. T. A. Duan. 1,534,365; Apr. 21.
Tire, Internally-armored. F. A. Burns. 1,534,358; Apr. 21.
Tire-making appliances. F. J. Shook. 1,534,250; Apr. 21.
Tire, Rubber. E. B. Killen. 1,534,529; Apr. 21.
Tire tread, Automobile. A. H. Gruber. Des. 67,082; Apr. 21.
Tire valve, Pneumatic-. F. Myers. 1,534,862; Apr. 21.
Tires, Dust cap for valve stems of pneumatic. F. S. Hamilton. 1,534,850; Apr. 21.
Tires, Flap for clincher. J. P. Colgan. 1,534,686; Apr. 21.
Tobacco pipe. J. M. Wilson. 1,535,005; Apr. 21.
Tobacco steaming and drying apparatus. O. O. Humphrey. 1,534,713; Apr. 21.
Tombstone. M. I. De Lee. Des. 67,078; Apr. 21.
Tool, Combination. W. M. Davidson. 1,534,923; Apr. 21.
Toothache remedy. M. Bailey. 1,534,485; Apr. 21.
Toothbrush, Rotary. C. S. Patterson. 1,534,857; Apr. 21.
Top. J. A. B. Tweedt and C. A. Nelson. 1,535,065; Apr. 21.
Toy. G. F. Jontz. 1,534,787; Apr. 21.
Toy. W. W. Murch. 1,535,029; Apr. 21.
Toy, Animal. S. E. Kahnweiler. 1,534,966; Apr. 21.
Toy, Figure. R. Baker. 1,534,887–9; Apr. 21.
Toy, Figure. F. A. Fanucci. 1,534,367; Apr. 21.
Toy, Magnetic building. E. Phillipp. 1,535,035; Apr. 21.
Toy, Mechanical. J. Wilhelm and C. A. Kays. 1,534,097; Apr. 21.
Toy train track. J. L. Cowen. 1,534,303; Apr. 21.
Toy vehicle. J. R. Hughes. 1,534,956; Apr. 21.
Track frog, Four-bend wing-rail. G. D. Lund. 1,534,232; Apr. 21.
Track laying vehicles, Shoe for. I. H. Athey. 1,534,254; Apr. 21.
Track liner. F. R. Sinning. 1,534,417; Apr. 21.
Track tool. G. F. A. Ochs. 1,535,032; Apr. 21.
Tractor. W. H. Sargent. 1,534,329; Apr. 21.
Tractor vehicle. L. G. Carey. 1,534,297; Apr. 21.
Tractors, Attachment for. R. E. Curtis. 1,534,690; Apr. 21.
Traffic signal, Vehicle. P. Myers. 1,534,606; Apr. 21.
Train-pipe coupling. W. C. White. 1,535,004; Apr. 21.
Transformer circuits. E. O. Scriven. 1,534,086; Apr. 21.

Transmission, Turret-type. F. M. Blair. 1,534,890; Apr. 21.
Trap: *See*—
Animal trap. Rat trap.
Trapping and delivering condensates, Device for. H. G. Shortt. 1,534,090; Apr. 21.
Tray and support therefor. T. B. Walker. 1,534,095; Apr. 21.
Tray, Ash. G. Bursetown. Des. 67,070; Apr. 21.
Trimming machine. F. H. Warren. 1,534,096; Apr. 21.
Trimming machine, Overflow-. J. A. Brogan. 1,534,053; Apr. 21.
Tripod head. G. A. Mitchell. 1,534,407; Apr. 21.
Trolley wires, Sleet cutter for. G. S. Moore. 1,534,727; Apr. 21.
Truck. J. S. White. 1,534,346; Apr. 21.
Truck, Automobile. J. A. Gehrung. 1,534,514; Apr. 21.
Truck hoisting mechanism, Dump-. P. E. Barker. 1,534,294; Apr. 21.
Truck, Railway-. E. G. Hallquist. 1,534,114; Apr. 21.
Trucks, Stake or gate holder for. L. E. Fisher. 1,534,101; Apr. 21.
Tubular articles, Apparatus for applying pulverized or shredded material to the interior of. L. I. Yeomans. 1,534,627; Apr. 21.
Turbine blade. H. F. Schmidt. 1,534,415; Apr. 21.
Turbine, Elastic-fluid. O. Junggren. 1,534,716; Apr. 21.
Turbines to prevent breakage of blades due to vibrations, Construction of elastic-fluid. O. Lasche. 1,534,721; Apr. 21.
Typewriting machine. J. F. Allard. 1,534,480; Apr. 21.
Typewriting machine. G. O. Degener. 1,534,057; Apr. 21.
Typewriting machine. M. Garbell. 1,534,585; Apr. 21.
Typewriting machine. E. B. Hess. 1,534,116; Apr. 21.
Typewriting machine. J. A. B. Smith. 1,534,550; Apr. 21.
Typewriting machine. B. C. Stickney. 1,535,054–5; Apr. 21.
Umbrella. J. Walmsley. 1,534,820; Apr. 21.
Uncoupling device. O. Hochberg and J. W. Steinmeyer. 1,534,119; Apr. 21.
Uppers over lasts, Machine for working. J. Gouldbourn. 1,534,110; Apr. 21.
Valve. H. Feldbush and H. Miller. 1,534,260; Apr. 21.
Valve. T. F. Gray. 1,534,701; Apr. 21.
Valve. G. M. Page. 1,534,866; Apr. 21.
Valve, Automatic fan. A. R. Behnke. 1,534,830; Apr. 21.
Valve construction. Train-control. C. F. Shadle. 1,534,330; Apr. 21.
Valve for centrifugal separators, Outlet. G. ter Meer. 1,534,604; Apr. 21.
Valve for tank cars. A. H. Ostrander. 1,534,136; Apr. 21.
Valve, Gate. W. M. Fulton. 1,534,513; Apr. 21.
Valve lock. H. C. Keeler. 1,534,965; Apr. 21.
Valve mechanism, Automatic. R. D. Tackaberry. 1,534,746; Apr. 21.
Valve mechanism, Discharge-. A. E. Ostrander. 1,534,138–9; Apr. 21.
Valve-operating device. W. Falwell. 1,534,509; Apr. 21.
Valve-operating means, Time-controlled. E. S. Marsh. 1,534,985; Apr. 21.
Valve-operating mechanism, Tank-car. A. E. Ostrander. 1,534,137; Apr. 21.
Valve, Pressure-reducing. J. R. Boggiano. 1,534,899; Apr. 21.
Valve, Regulating. J. H. Smith. 1,534,420; Apr. 21.
Valve, Rotating poppet. G. Wirrer. 1,534,476; Apr. 21.
Valve, Self-closing. W. W. MacDonald. 1,534,984; Apr. 21.
Valves, Locking device for adjustable. F. Porsche. 1,534,246; Apr. 21.
Vanadium compounds or vanadium from pig iron containing vanadium, Obtaining. R. H. von Seth. 1,534,819; Apr. 21.
Vanity case. W. H. Roystone. 1,534,871–2; Apr. 21.
Vanity case for loose powder. W. H. Roystone. 1,534,873; Apr. 21.
Vapor-treatment receptacle. W. A. Taylor and P. J. Sibley. 1,534,618; Apr. 21.
Vaporizer. S. M. Udale. 1,534,290; Apr. 21.
Varnish, Drying. C. H. Roe. 1,534,738; Apr. 21.
Vegetable-slicing machine. M. F. Ruffner. 1,534,078; Apr. 21.
Vehicle. I. H. Athey and R. W. Baily. 1,534,255; Apr. 21.
Vehicle body construction. W. J. Seelinger. 1,534,814; Apr. 21.
Vehicle body, Convertible. R. A. J. Plantureux. 1,534,410; Apr. 21.
Vehicle brake. J. Robson. 1,534,544; Apr. 21.
Vehicle brake bands, Apparatus for relining motor-. R. Sardeson. 1,534,083; Apr. 21.
Vehicle bumper. L. Blackmore. 1,534,760; Apr. 21.
Vehicle direction indicator. A. J. Lackstrom. 1,534,222; Apr. 21.
Vehicle, Eight-wheel. L. E. Rivas. 1,534,810; Apr. 21.
Vehicle, Endless-track. L. K. Davis. 1,534,362; Apr. 21.
Vehicle landing apparatus. P. K. Westcott. 1,534,754; Apr. 21.
Vehicle, Motor-driven. F. Huber. 1,534,645; Apr. 21.
Vehicle raising apparatus. F. Fabricio y Dias. 1,534,364; Apr. 21.
Vehicle signal. J. Gonzales. 1,534,943; Apr. 21.
Vehicle spring cover. E. E. Bouchard. 1,534,904; Apr. 21.
Vehicle top, Convertible. G. G. Zanetti. 1,535,009; Apr. 21.
Vehicle wheel. R. O. Coulombe. 1,534,840; Apr. 21.
Vehicle wheel. J. C. Rogers. 1,534,545; Apr. 21.
Vehicle wheel attachment. J. N. A. O'Rear. 1,534,987; Apr. 21.
Vehicles, Disk wheel for. W. Haslam. 1,534,883; Apr. 21.
Vehicles, Driving attachment for motor. J. I. and H. J. Engleman. 1,534,639; Apr. 21.
Vehicles, Fluid-pressure cushioning mechanism for. J. M. Burnap. 1,534,839; Apr. 21.
Vehicles, Heater for motor. O. G. Armstrong. 1,534,483; Apr. 21.
Vehicles, Machine for cutting a cam serving to control the front-wheel brakes of motor. E. M. Ballot. 1,535,015; Apr. 21.
Vehicles, Mud guard for motor. B. F. Dautell. 1,534,922; Apr. 21.
Vehicles, Rear compartment for. R. M. Watson. 1,534,337; Apr. 21.
Vehicles, Spring suspension for. C. H. Lutman. 1,534,583; Apr. 21.
Vehicles, Spring suspension system for C. Thurstone. 1,534,995; Apr. 21.
Vehicles, Underframe for. S. Möhl. 1,534,458; Apr. 21.
Vending machine. J. F. Krema. 1,534,273; Apr. 21.
Vending machine, Soft-drink-. J. H. McLellan. 1,534,982; Apr. 21.
Veneer, Machine for cutting. W. H. Collier. 1,534,687; Apr. 21.
Ventilator: *See*—
Window ventilator.
Vessel closure. L. W. Rice. 1,534,609; Apr. 21.
Viscose, Spinning. J. C. Hartogs. 1,534,382; Apr. 21.
Viscosity regulator. C. H. Smoot. 1,534,091; Apr. 21.
Vulcanized material from molds, Stripping. F. J. Lawler. 1,534,408; Apr. 21.
Waffle iron. G. F. Wells. 1,534,430; Apr. 21.
Waffle iron, Electric. G. F. Wells. 1,534,431; Apr. 21.
Wall, Building. J. P. Lewis. 1,534,454; Apr. 21.
Wall construction and building block for the same. C. J. Dexter. 1,534,060; Apr. 21.
Warp tying, Knot-tying mechanism for use in. J. Coveleskie. 1,534,441; Apr. 21.
Washboard. L. Shears. 1,535,049; Apr. 21.
Washboard. N. Sorensen. 1,534,332; Apr. 21.
Washing machine. L. Judelson. 1,534,788; Apr. 21.
Washout plug. S. J. Lupton. 1,534,792; Apr. 21.
Watch charm. C. W. Camfield. Des. 67,071; Apr. 21.
Watchcase. A. P. Conant. Des. 67,072; Apr. 21.
Watch case, Wrist-. H. W. Schwettman. Des. 67,101; Apr. 21.
Water heater. L. L. Bluemlein. 1,534,898; Apr. 21.
Water-heating device. W. F. Clark. 1,534,298; Apr. 21.
Water mixer, Steam-. C. Smith and C. T. Hawley. 1,535,051; Apr. 21.
Water or other liquids, Apparatus for heating. J. Vanario. 1,535,081; Apr. 21.
Watering device, Stock-. H. Fiessner. 1,534,843; Apr. 21.
Wave motor. F. Harkort. 1,534,115; Apr. 21.
Wax pot. J. F. Standish. 1,534,093; Apr. 21.
Wear-compensating device. O. J. Dorsey. 1,534,170; Apr. 21.
Weather-excluding means. J. H. Bourgon. 1,534,498; Apr. 21.
Weft-detecting mechanism. E. H. Ryon. 1,534,249; Apr. 21.
Welding. T. E. Murray, jr. 1,534,133; Apr. 21.
Welding apparatus, Grid-resistance panel for electric. A. Smith. 1,534,288; Apr. 21.
Welding device, Electric. W. B. Collins. 1,534,688; Apr. 21.
Welding machine, Percussive. A. M. MacFarland. 1,534,069–70; Apr. 21.
Welding of side seams of container bodies, Holding fixture for electric. W. A. Smith and M. E. Widell. 1,534,422; Apr. 21.
Welding wire fabric, Apparatus for electrically. W. S. Southwick. 1,534,034; Apr. 21.
Well-flowing device. G. Kahle. 1,534,717; Apr. 21.
Well strainer. E. Jones. 1,534,960; Apr. 21.
Wheel: *See*—
Plow gauge wheel. Vehicle wheel.
Removable wheel. Wire-spoke wheel.
Wheel construction, Cushioned. J. L. Donat. 1,534,574; Apr. 21.
Wheel puller. L. L. Bassett. 1,534,350; Apr. 21.
Wheels, Traction shoe for vehicle. J. Pallischeck. 1,534,731; Apr. 21.
Wind-power engine. H. Maine. 1,534,799; Apr. 21.
Windshield holder. J. F. Janssen. 1,534,892; Apr. 21.
Windshield wiper. C. R. Locklin. 1,534,276; Feb. 21.
Winding machine. A. D. Scott. 1,534,812–13; Apr. 21.
Window adjuster, Casement-. B. E. Bartholomew. 1,534,758; Apr. 21.
Window casing, Metal. L. B. Taylor. 1,534,037; Apr. 21.
Window cleaner. T. J. Kilfeather. 1,534,966; Apr. 21.
Window-cleaner's seat. J. A. Blackwood. 1,534,895; Apr. 21.

Window for locomotive cabs. O. S. Wiberg. 1,534,434; Apr. 21.
Window guard. D. P. Furiate. 1,534,877; Apr. 21.
Window ventilator. A. A. Craig. 1,534,636; Apr. 21.
Wire-block-stripping mechanism. P. V. Tippet. 1,534,039; Apr. 21.
Wire-drawing mechanism. C. W. Vaughn. 1,534,998; Apr. 21.
Wire hanger. A. J. Gurney. 1,534,703; Apr. 21.
Wire-spoke wheel. B. Ferrabino. 1,534,934; Apr. 21.
Wireless transmission of messages, Key connection for the. O. Scheller and R. Hersog. 1,535,046; Apr. 21.
Wood steamer. W. D. Inglis. 1,534,121; Apr. 21.
Wrapping-machine feeding device. F. W. Lev. 1,534,596; Apr. 21.
Wrench sets, Holder for socket-. E. S. Miller. 1,534,537; Apr. 21.
Wringer mechanism, Safety. E. C. Rocke. 1,534,286; Apr. 21.
Writing, Device for secret. M. A. Vahjen. 1,535,066; Apr. 21.
Writing instrument. H. Anshen. 1,534,629; Apr. 21.
Yarn and machine therefor, Handling. A. L. Remington. 1,534,412; Apr. 21.
Yeast, Treating and preparing. F. M. Hildebrandt and C. N. Frey. 1,534,387; Apr. 21.
Zinc from blue powder, Making liquid. F. Tharaldsen. 1,535,059; Apr. 21.
Zinc in reverberatory furnaces, Production of. H. Mehner. 1,535,026; Apr. 21.

CLASSIFICATION OF PATENTS

APRIL 21, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 7: 1,534,141
33: 1,534,048
2— 18: 1,534,654
1,534,808
25: 1,534,774
30: 1,534,900
43: 1,534,668
45: 1,534,347
116: 1,534,174
122: 1,534,597
131: 1,534,562
1,534,563
145: 1,534,348
162: 1,534,616
175: 1,534,181
197: 1,534,421
4— 68: 1,534,924
182: 1,534,618
185: 1,534,214
5— 136: 1,534,395
163: 1,534,396
369: 1,534,268
6— 5: 1,534,019
1,534,304
1,534,412
19: 1,534,106
9— 17: 1,534,552
23: 1,534,049
11— 2: 1,534,606
12— 1: 1,534,021
3: 1,534,110
20: 1,534,113
23: 1,534,068
50: 1,534,313
51: 1,534,077
67: 1,534,061
77: 1,534,094
79.5: 1,534,098
83.3: 1,534,096
88: 1,534,076
15— 11: 1,534,233
23: 1,534,657
108: 1,534,827
112: 1,534,156
127: 1,534,208
130: 1,534,300
133: 1,534,521
138: 1,534,357
145: 1,534,401
196: 1,534,231
251: 1,534,906
16— 42: 1,534,440
1,534,576
52: 1,534,235
144: 1,534,788
149: 1,534,467
218: 1,534,767
17— 15: 1,534,207
18— 2: 1,534,030
1,534,403
25: 1,534,409
42: 1,534,779
43: 1,534,149
53: 1,534,456
54: 1,534,382
56: 1,534,777
60: 1,534,368
61: 1,534,227
19— 79: 1,534,510
99: 1,534,564
116: 1,534,783
120: 1,534,782
121: 1,534,784
140: 1,534,071
20— 0.5: 1,534,108
1.01: 1,534,732
4: 1,534,511
9: 1,535,043
27: 1,535,034
53: 1,534,434
56.4: 1,534,705
71: 1,534,377
92: 1,534,468
22— 3: 1,534,491
1,534,498
9: 1,535,017
22— 22: 1,534,615
26: 1,534,565
1,534,566
1,534,809
42: 1,535,020
69: 1,534,266
70: 1,534,225
1,534,402
71: 1,534,710
83: 1,534,187
89: 1,534,331
1,534,627
98: 1,534,568
97: 1,534,952
116: 1,534,022
134: 1,534,655
191: 1,534,025
203: 1,534,411
1,534,928
206: 1,534,815
23— 23: 1,535,019
96: 1,534,130
105: 1,534,828
253: R. 16,049
270: 1,534,145
24— 11: 1,534,658
69: 1,534,899
77: 1,534,944
102: 1,534,140
117: 1,534,029
184: 1,535,000
238: 1,535,060
241: 1,534,879
1,534,976
263: 1,534,227
1,534,228
25— 17: 1,534,825
1,534,826
21: 1,534,768
27: 1,534,780
41: 1,534,154
99: 1,534,361
1,534,610
121: 1,534,124
1,534,354
124: 1,535,023
129: 1,534,155
131.5: 1,534,215
39— 1.11: 1,535,007
85: 1,534,350
1,534,436
86.1: 1,535,012
88.2: 1,534,066
100: 1,535,028
30— 1: 1,534,621
3: 1,534,484
1,534,703
1,534,932
12: 1,534,312
1,534,665
1,534,786
22: 1,534,202
25: 1,534,310
1,534,404
56: 1,534,934
31— 6: 1,534,418
32: 1,534,628
58: 1,534,999
69: 1,534,612
32— 4: 1,534,902
11: 1,534,816
1,534,817
1,534,396
1: 1,534,757
125: 1,534,865
129: 1,534,336
178: 1,534,152
180: 1,534,406
1,534,505
217: 1,534,307
34— 7: 1,534,180
12: 1,534,853
19: R. 16,044
1,534,190
24: 1,534,738
26: 1,534,391
34— 39: 1,534,092
1,534,490
48: 1,534,500
35— 6: 1,534,055
1,534,151
9: 1,535,056
13: 1,535,066
36— 15: 1,534,540
35: 1,534,919
36: 1,534,739
71: 1,534,308
37— 41: 1,534,611
44: 1,534,626
52: 1,534,179
58: 1,534,930
105: 1,534,185
39— 14: 1,534,503
18: 1,534,967
67: 1,534,842
40— 22: 1,534,994
39: 1,534,634
1,534,633
125: 1,534,084
1,534,905
129: 1,534,223
132: 1,534,222
1,535,014
41— 22: 1,534,634
26: R. 16,048
42— 3: 1,534,486
43— 5: 1,534,914
1,534,964
22: 1,534,674
34: 1,534,909
45: 1,534,722
69: 1,534,528
85: 1,535,001
107: 1,534,771
115: 1,534,980
125: 1,534,734
142: 1,534,210
44— 9: 1,534,573
16: 1,534,962
45— 11: 1,534,470
24: 1,534,305
1,534,534
26: 1,534,556
1,534,557
1,534,848
51: 1,534,095
77: 1,534,201
117: 1,534,759
46— 22: 1,535,045
35: 1,535,035
37: 1,534,097
40: 1,534,367
1,534,887
1,534,888
1,534,964
47— 9: 1,534,371
1,534,372
34: 1,534,308
49— 2: 1,535,062
5: 1,534,036
14: 1,534,573
1,534,906
129: 1,534,223
132: 1,534,222
17: 1,534,567
17.1: 1,534,432
47: 1,534,863
1,534,864
70: 1,534,671
84: 1,534,685
87: 1,535,061
50— 11: 1,534,420
36: 1,534,809
51— 31: 1,535,080
50: 1,534,302
95: 1,534,301
209: 1,534,188
222: 1,535,021
278: 1,534,208
280: 1,534,196
1,534,861
55— 9: 1,534,670
35— 31: 1,535,080
50: 1,534,688
55— 62: 1,535,067
88: 1,535,058
56— 1: 1,534,111
1,534,112
21: 1,534,090
334: 1,534,756
353: 1,534,602
58— 8: 1,534,901
14: 1,534,968
62: 1,534,791
63— 4: 1,534,886
28: 1,534,442
64— 10: 1,534,963
26: 1,534,058
29: 1,534,123
55: 1,534,170
65— 44: 1,534,311
53: 1,534,471
66— 4: 1,534,763
9: 1,534,645
12: 1,534,555
26: 1,534,785
28: 1,534,972
1,534,973
30: 1,534,311
67— 73: 1,534,370
68— 3: 1,534,800
20: 1,534,333
1,535,049
69— 1: 1,534,065
90— 15: 1,534,971
21: 1,534,632
56: 1,535,015
91— 67.2: 1,534,259
68: 1,534,477
1,534,676
92— 13: 1,534,236
43: 1,534,020
46: 1,534,080
51: 1,534,554
1,534,948
69: 1,534,482
1,534,622
98— 51: 1,534,569
86: 1,534,125
60: 1,534,100
92: 1,534,464
94— 45: 1,534,046
1,534,176
97— 63: 1,534,669
71.1: 1,534,675
148: 1,534,675
157: 1,534,234
192: 1,534,880
208: 1,534,998
224: 1,534,480
98— 31: 1,534,636
99— 2: 1,534,867
10: 1,534,387
11: 1,534,050
1,534,530
1,534,741
1,534,806
16: 1,534,929
1,534,930
1,534,931
100— 20: 1,534,350
101— 211: 1,534,392
375: 1,534,194
415: 1,534,751
102— 20: 1,534,126
103— 5: 1,534,717
53: 1,534,520
57: 1,534,451
104— 17: 1,535,032
77: 1,534,767
105— 20: 1,534,020
39: 1,534,275
44: 1,534,423
48: 1,534,450
62: 1,534,801
180: 1,534,114
308: 1,534,047
342: 1,534,537
345: 1,534,847
106— 9: 1,534,199
31: 1,534,386
108— 40: 1,534,651
107— 7: 1,534,338
9: 1,534,617
44: 1,534,416
50: 1,534,907
57: 1,534,841
108— 7: 1,534,165
10: 1,534,175
27: 1,534,449
29: 1,534,736
40: 1,534,163
1,534,188
86: 1,534,243
87: 1,534,474
1,534,475
99: 1,534,251
171: 1,534,908
111— 84: 1,534,941
112— 2: 1,534,518
25: 1,534,492
71: 1,534,017
125: 1,535,025
208: 1,534,132
113— 25: 1,534,184
46: 1,534,435
49: 1,534,698
1,534,822
60: 1,534,677
114— 61: 1,534,598
115— 42: 1,534,725
116— 33: 1,534,666
39: 1,534,606
42: 1,534,253
1,534,943
112: 1,534,881
173: 1,534,652
117— 6: 1,534,926
118— 3: 1,534,040
1,534,041
8: 1,534,262
119— 32: 1,534,375
76: 1,534,843
120— 18: 1,534,629
85: 1,534,847
121— 1: 1,534,143
70: 1,534,162
128: 1,534,596
122— 23: 1,535,081
49: 1,534,150
71: 1,534,590
441: 1,534,402
123— 25: 1,534,381
1,534,385
33: 1,534,450
69: 1,534,951
1,535,038
90: 1,534,246
1,534,476
1,534,909
1,534,773
119: 1,534,742
122: 1,534,200
124: 1,534,930
145: 1,534,948
146.5: 1,534,230
148: 1,534,384
169: 1,534,065
1,534,744
1,534,906
185: 1,534,940
125— 37: 1,534,157
126— 20: 1,534,713
32: 1,534,577
93: 1,534,897
172: 1,534,380
275: 1,534,748
281: 1,534,535
309: 1,534,930
338: 1,534,072
127— 35: 1,534,166
128— 92: 1,534,974
230: 1,534,852
324: 1,534,419
129— 13: 1,534,194
41: 1,534,283
1,534,735

130— 17: 1,535,018
27: 1,534,426
32: 1,534,063
131— 5: 1,534,560
1,534,807
12: 1,535,005
30: 1,534,343
36: 1,534,062
83: 1,534,497
1,534,570
1,534,571
1,534,572
1,534,573
91: 1,534,171
134— 26: 1,534,024
46: 1,534,240
60: 1,534,678
135— 46: 1,534,820
52: 1,534,209
136— 38: 1,534,058
137— 21: 1,534,136
1,534,137
1,534,138
1,534,139
60: 1,534,406
78: 1,534,091
1,534,128
91: 1,534,062
93: 1,534,877
103: 1,534,090
130: 1,534,680
146: 1,534,746
152: 1,534,691
1,534,844
1,534,845
139— 53: 1,534,033
185: 1,534,792
188: 1,534,252
211: 1,535,076
242: 1,534,249
310: 1,534,345
337: 1,534,127
143— 88: 1,534,057
1,535,042
163: 1,534,405
144— 2: 1,534,856
1,534,858
219: 1,534,357
271: 1,534,121
145— 27: 1,534,975
35: 1,534,541
146— 3: 1,534,997
32: 1,534,188
42: 1,534,807
78: 1,534,078
148— 4: 1,534,708
8: 1,534,446
13: 1,534,874
24: 1,534,105
151— 13: 1,534,427
152— 1: 1,534,529
10: 1,534,365
12: 1,534,850
1,534,862
14: 1,534,043
1,534,731
1,535,071
18: 1,534,356
20: 1,534,686
24: 1,534,999
28: 1,534,940
36: 1,534,574
153— 1: 1,535,068
25: 1,534,520
32: 1,534,314
33: 1,534,860
76: 1,534,299
154— 2: R. 16,047
9: 1,534,038
10: 1,534,250
18: 1,534,104
35: 1,534,988
155— 27: 1,534,270
1,534,271
1,534,790
41: 1,534,796
45: 1,535,044
134: 1,534,630
171: 1,534,272
156— 22: 1,534,443
44: 1,534,664
158— 28: 1,534,680
30.1: 1,534,360
63: 1,535,078
159— 64: 1,534,295
161— 7: 1,534,985
164— 48: 1,534,667
60: 1,534,257
1,534,999
63: 1,534,053
77: 1,534,576
86: 1,534,496
112: 1,534,823
1,534,824
166— 5: 1,534,900
10: 1,534,851
167— 6: 1,534,280
1,534,325
7: 1,534,332
9: 1,534,485
169— 25: 1,534,761
170— 15: 1,534,790
171— 97: 1,535,057
314: 1,534,026
172— 179: 1,534,750
278: 1,534,283
173— 242: 1,534,706
174— 177: 1,534,444
175— 294: 1,534,697
1,534,724
298: 1,534,093
320: 1,534,945
357: 1,534,258
361: 1,534,749
176— 122: 1,534,251
177— 7: 1,534,335
314: 1,534,589
329: 1,534,374
1,535,013
1,535,033
1,534,118
69: 1,534,073
71: 1,534,660
1,534,661
179— 16: 1,534,549
37.5: 1,534,100
61: 1,534,144
108: 1,534,911
114: 1,534,910
116: 1,534,373
121: 1,534,148
171: 1,534,086
1,534,172
1,534,287
1,534,970
1,535,037
179: 1,534,267
180— 2: 1,534,978
1,535,040
9.1: 1,534,514
1,534,639
14: 1,534,609
21: 1,534,285
22: 1,534,810
73: 1,534,645
182— 71: 1,534,203
103: 1,534,833
110: 1,534,831
184— 48: 1,534,942
105: 1,534,173
187— 39: 1,534,291
188— 38: 1,534,059
99: 1,534,268
213: 1,534,580
1,534,581
1,534,582
1,534,583
1,534,587
1,534,588
231: 1,534,579
1,534,608
249: R. 16,045
189— 66: 1,534,037
190— 49: 1,534,646
191— 43: 1,534,703
50.1: 1,534,727
192— 2: 1,534,538
16: 1,534,804
24: 1,534,982
80: 1,534,983
132: 1,534,340
193— 14: 1,534,023
194— 1: 1,534,280
25: 1,534,379
65: 1,534,977
196— 8: R. 16,052
41: 1,534,376
48: 1,534,937
76: 1,534,554
197— 72: 1,534,585
126: 1,534,550
127: 1,534,057
144: 1,534,116
186: 1,534,480
1,535,054
1,535,055
198— 21: 1,535,075
173: 1,534,334
200— 24: 1,534,161
32: 1,534,025
80: 1,534,515
82: 1,534,368
90: 1,534,526
99: 1,534,379
99: 1,534,753
153: 1,534,816
161: 1,535,011
172: 1,534,681
201— 48: 1,534,909
204— 5: 1,534,027
1,534,918
6: 1,534,479
11: 1,534,709
20: 1,534,681
1,534,315
1,534,316
1,534,317
1,534,318
1,534,319
1,534,320
1,534,321
1,534,322
205— 14: 1,534,998
206— 16: 1,534,537
38: 1,534,519
44: 1,534,261
1,535,077
208— 32: 1,534,956
150: 1,534,067
178: 1,534,701
210— 26: 1,534,256
74: 1,534,278
97: 1,534,700
165: 1,534,129
211— 5: 1,534,644
11: 1,534,925
13: 1,534,265
14: 1,534,504
76: 1,534,631
163: 1,534,119
178: 1,534,961
214— 2: 1,534,028
16: 1,535,039
26: 1,534,649
38: 1,534,378
41: 1,534,797
63: 1,534,135
93: 1,534,795
120: 1,534,891
215— 40: 1,534,340
1,534,341
48: 1,534,339
1,534,342
216— 25: 1,534,355
1,534,530
1,534,550
217— 4: 1,534,643
12: 1,534,045
56: 1,534,204
218— 15.1: 1,534,107
1,534,108
15.2: 1,534,064
19: 1,534,083
219— 4: 1,534,034
1,534,069
1,534,070
1,534,457
6: 1,534,133
1,534,422
8: 1,534,298
219— 8: 1,534,668
13: 1,534,122
19: 1,534,430
1,534,431
1,534,689
20: 1,535,079
25: 1,534,542
1,534,946
29: 1,534,953
34: 1,534,221
1,534,778
35: 1,534,042
1,534,087
1,534,592
36: 1,534,733
37: 1,534,673
1,534,823
1,534,824
38: 1,534,386
1,534,624
1,534,806
38.5: 1,534,220
39: 1,534,298
1,534,571
40: 1,534,079
42: 1,534,682
220— 6: 1,534,672
24: 1,534,609
32: 1,534,536
39: 1,534,708
55: 1,534,131
1,534,707
1,534,448
86: 1,534,428
221— 40: 1,534,893
94: 1,534,307
103: 1,534,349
1,534,850
225— 4: 1,535,031
21: 1,534,773
226— 19: 1,534,090
1,534,982
44: 1,534,062
56: 1,534,465
97: 1,534,035
128: 1,534,913
227— 7: 1,534,333
229— 7: 1,534,903
230— 11: 1,534,743
27: 1,534,728
232— 7: 1,534,163
24: 1,534,920
41: 1,534,912
233— 21: 1,534,191
47: 1,534,604
234— 20: 1,534,306
235— 1: 1,534,117
60: 1,534,811
78: 1,534,938
79: 1,534,242
91: 1,534,561
92: 1,534,531
1,534,532
138: 1,534,834
236— 12: 1,535,051
26: 1,534,775
238— 234: 1,534,923
320: 1,534,921
240— 1: 1,534,987
2: 1,534,379
7: 1,534,303
1,534,901
48.4: 1,534,849
61: 1,534,869
57: 1,534,715
78: 1,534,640
1,534,662
85: 1,534,061
1,534,146
108: 1,534,466
122: 1,534,641
241— 5: 1,534,917
9: 1,534,197
242— 10: 1,534,813
36: 1,534,812
43.3: 1,535,036
43.7: 1,534,263
72: 1,534,868
74: 1,534,755
86: 1,534,433
121: 1,534,915
150: 1,534,264
244— 2: 1,534,619
1,534,502
1,534,764
246— 125: 1,534,702
128: 1,535,047
419: 1,534,303
440: 1,534,178
463: 1,534,252
247— 1: 1,534,695
16: 1,534,723
249— 29: 1,534,438
37: 1,534,642
45: 1,534,407
250— 8: 1,534,719
10: 1,534,704
19: 1,535,046
20: 1,534,720
27: 1,535,082
31: 1,534,769
41: 1,534,160
1,534,213
251— 18: 1,534,513
45: 1,534,701
97: 1,534,866
104: 1,534,958
119: 1,534,260
252— 6: 1,534,729
253— 4: 1,534,115
30: 1,534,716
1,534,721
77: 1,534,415
254— 26: 1,534,277
27: 1,535,006
44: 1,534,417
78: 1,534,284
92: 1,534,364
102: R. 16,050
110: 1,534,613
122: 1,534,992
140: 1,534,626
255— 75: R. 16,051
257— 129: 1,534,195
132: 1,534,903
165: 1,534,168
1,534,875
166: 1,534,160
171: 1,535,072
207: 1,534,102
261: 1,534,794
260— 13: 1,535,003
19: 1,534,518
25: 1,534,556
45: 1,534,512
49: 1,534,351
96: 1,534,506
106: 1,534,752
108: 1,534,536
124: 1,534,525
261— 30: 1,534,575
41: 1,534,808
50: 1,534,212
59: 1,534,200
118: 1,534,458
262— 5: 1,534,462
28: 1,534,463
30: 1,534,461
263— 1: 1,534,921
25: 1,534,737
30: 1,534,488
38: 1,534,935
46: 1,534,472
1,534,548
264— 1: 1,534,208
265— 4: 1,534,189
6: 1,534,543
7: 1,535,024
17: 1,534,323
1,534,324
21: 1,534,308
29: 1,534,909
42: 1,534,898
43: 1,534,227
267— 15: 1,534,905
17: 1,534,424
1,534,502
37: 1,534,904
45: 1,534,853
84: 1,534,192
1,534,193
66: 1,535,002
268— 8: 1,534,310
1,534,961
270— 38: 1,534,347
270— 65: 1,534,584
1,534,585
271— 35: 1,534,590
272— 23: 1,534,894
273— 6: 1,534,711
8: 1,534,712
30: 1,534,437
1,534,447
63: 1,535,058
65: 1,534,864
66: 1,534,029
77: 1,534,900
88: 1,534,300
118: 1,534,822
130: 1,534,245
132: 1,534,300
134: 1,534,591
139: 1,534,808
1: 1,534,958
19: 1,534,694
67: 1,534,327
96: 1,535,010
279— 40: 1,534,947
53: 1,535,048
100: 1,534,916
114: 1,534,572
280—33.15: 1,534,329
49: 1,534,346
97.5: 1,534,730
104: 1,534,339
106.5: 1,534,458
157: 1,534,922
282— 112: 1,534,478
284— 18: 1,534,708
285— 5: 1,534,483
11: 1,534,425
38: 1,534,399
162: 1,535,004
287— 98: 1,534,801
289— 12: 1,534,441
291— 3: 1,534,230
292— 173: 1,534,902
255: 1,534,216
293— 55: 1,534,248
1,534,760
294— 15: 1,534,614
41: 1,534,213
65: 1,535,063
1,535,064
69: 1,534,455
74: 1,534,159
78: 1,535,022
86: 1,534,229
1,534,414
91: 1,534,089
97: 1,534,039
296— 24: 1,534,337
28: 1,534,392
1,534,814
43: 1,534,101
44: 1,535,045
45: 1,535,008
48: 1,534,498
97: 1,534,487
98: 1,534,410
108: 1,535,009
139: 1,534,714
298— 21: 1,534,294
22: 1,534,439
35: 1,534,297
299— 19: 1,534,546
58: 1,534,633
67: 1,534,979
73: 1,534,241
301— 9: 1,534,328
44: 1,534,987
62: 1,534,383
1,534,545
1,534,766
112: 1,534,056
303— 10: 1,534,544
18: 1,534,330
20: 1,534,217
88: 1,534,147
304— 20: 1,534,647
24: 1,534,895
305— 9: 1,534,362
10: 1,534,254
1,534,255
308— 163: 1,534,762
180: 1,535,016
189: 1,534,718

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Abramowitz, Jacob, doing business as Sparkol Chemical Company, Brooklyn, N. Y. Polish. 197,979; Apr. 28; Serial No. 205,504; published Feb. 10, 1925.

Acheson Graphite Company. (See International Acheson Graphite Company, assignor.)

Ackerman, Simon, Clothes, Inc., New York, N. Y. Men's suits and top coats. 197,887; Apr. 28; Serial No. 204,884; published Jan. 27, 1925.

Alamo Packing Company, Los Angeles, Calif. Fresh cantaloupes and grapes. 197,967; Apr. 28; Serial No. 137,299; published Feb. 10, 1925.

Alliance Advertising Company, Alliance, Ohio. Advertising signboards. 197,984; Apr. 28; Serial No. 205,189; published Feb. 10, 1925.

American Burtonizing Company and Wallerstein Laboratories, New York, N. Y. Sugar sirup for food purposes. 197,917; Apr. 28; Serial No. 188,397; published Feb. 17, 1925.

American Chicle Company, Long Island City, N. Y. Chewing gum. 197,943; Apr. 28; Serial No. 196,947; published Jan. 13, 1925.

American Gas Machine Company, Inc., Albert Lea, Minn. Household oil and gas cookstoves. 198,052; Apr. 28.

American Glue Company, Boston, Mass. Fish isinglass. 197,945; Apr. 28; Serial No. 194,765; published Feb. 10, 1925.

American Toy & Novelty Works, York, Pa. Children's sleds. 197,856; Apr. 28; Serial No. 205,976; published Feb. 10, 1925.

Anderson, Wm., Textile Mfg. Co. Inc., New York, N. Y. Cotton fabrics and cotton and silk fabrics. 197,895; Apr. 28; Serial No. 207,222; published Feb. 10, 1925.

Angus Watson & Company Limited, Newcastle-on-Tyne, England. Canned or preserved foods. 197,926; Apr. 28; Serial No. 170,317; published Feb. 10, 1925.

Archer Strauss Rubber Company, Framingham, Mass. Rubberized textile fabrics. 197,881; Apr. 28; Serial No. 204,433; published Feb. 10, 1925.

Armour and Company, Chicago, Ill. Sausage and ham. 197,938; Apr. 28; Serial No. 199,816; published Feb. 17, 1925.

Asbestoloid Products Company, Kalamazoo, Mich. Stucco, plaster, and flooring. 197,908; Apr. 28; Serial No. 206,390; published Feb. 10, 1925.

Ashaway Line & Twine Manufacturing Company, Ashaway, R. I. Fishing line. 197,834; Apr. 28; Serial No. 206,820; published Feb. 10, 1925.

Atlas Milling Co. (See Hoyt, Hugh P.)

Aubeuf, Frank J., assignor to F. J. Aubeuf Co. Inc., Oneida, N. Y. Handcarts, trucks, and runners. 26,741; renewed June 25, 1925.

Autopiano Company, The, New York, N. Y. Piano players and self-playing pianos. 45,408–9; renewed Aug. 15, 1925.

B. & W. Home Products Co., New Rochelle, N. Y. Canned jellies and marmalades. 198,001; Apr. 28; Serial No. 204,540; published Feb. 10, 1925.

Bailey & Blendinger Mfg. Co., Woburn, Mass. Machine knives, belt knives, and leather knives. 45,486; renewed Aug. 22, 1925.

Ballard & Ballard Co., Louisville, Ky. Wheat flour, and particularly self-rising flour. 197,940; Apr. 28; Serial No. 198,784; published Feb. 10, 1925.

Ballard & Ballard Co., Louisville, Ky. Wheat flour. 197,941; Apr. 28; Serial No. 198,783; published Feb. 10, 1925.

Baratta, Paolo, doing business as Paolo Baratta & Figli, Battipaglia, Italy. Canned concentrated tomato paste, canned peas, etc. 197,965; Apr. 28; Serial No. 173,781; published Feb. 10, 1925.

Behrens, E. H., & Co., Inc., New York, N. Y. Cotton, cotton and silk, etc., piece goods. 197,897; Apr. 28; Serial No. 207,172; published Feb. 10, 1925.

Behrens, E. H., & Co., Inc., New York, N. Y. Cotton, cotton and silk, etc., piece goods. 197,905; Apr. 28; Serial No. 206,990; published Feb. 10, 1925.

Belco Chem. Co. (See Cohen, William B.)

Bell, J. W. C., jr., Nashville, Ark. Fresh peaches. 198,039; Apr. 28.

Bennett Day Importing Company, Inc., New York, N. Y. Walnuts in their natural state. 197,889; Apr. 28; Serial No. 207,846; published Feb. 17, 1925.

Berghoff Products Company, Fort Wayne, Ind. Nonalcoholic, maltless, noncereal beverage. 198,030–2; Apr. 28.

Bergman, Arthur L., New York, N. Y. Embroidery medallions. 197,857; Apr. 28; Serial No. 196,646; published Feb. 10, 1925.

Bertha-Consumers Company, Pittsburgh, Pa. Coal. 197,868; Apr. 28; Serial No. 206,394; published Feb. 3, 1925.

Berwick, Edward, jr. (See Mason, Mabel B.)

Bewtex Products Corporation, New York, N. Y. Transparent covered cards, printed signs, and pictures. 197,962; Apr. 28; Serial No. 181,721; published Feb. 10, 1925.

Bielek Mfg. Co., Pittsburgh, Pa. Malt extract. 197,848; Apr. 28; Serial No. 206,511; published Feb. 10, 1925.

Billboard Publishing Company, The, Cincinnati, Ohio. Weekly publication. 197,993; Apr. 28; Serial No. 205,261; published Feb. 10, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 197,894; Apr. 28; Serial No. 207,227; published Feb. 10, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 198,012; Apr. 28; Serial No. 206,822; published Feb. 10, 1925.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 198,016; Apr. 28; Serial No. 206,718; published Feb. 10, 1925.

Bonnie-B Co., Inc., The, New York, N. Y. Hair nets. 198,033; Apr. 28.

Boston Excelsior Company, New York, N. Y., and Boston, Mass. Upholstery and bedding stuffing and filling materials. 197,982; Apr. 28; Serial No. 205,812; published Feb. 17, 1925.

Boston Excelsior Company, New York, N. Y., and Boston, Mass. Upholstery and bedding stuffing and filling materials. 197,983; Apr. 28; Serial No. 205,810; published Feb. 10, 1925.

Boston Molasses Co., Boston, Mass. Molasses. 46,419; renewed Sept. 19, 1925.

Bouchard, Mack, & Son, Caribou, Me. Table potatoes in their natural state. 197,924; Apr. 28; Serial No. 201,389; published Oct. 14, 1924.

Bradford Pressed Brick Co., assignor to Bradford Brick & Tile Company, Bradford, Pa. Pressed brick. 46,176; renewed Sept. 12, 1925.

Brandon Mill & Elevator Company, Marianna, Fla. Self-rising wheat flour. 197,888; Apr. 28; Serial No. 204,890; published Feb. 10, 1925.

Bremner, Andrew, & Company Limited, Aberdeen, Scotland. Preserved herring. 197,900; Apr. 28; Serial No. 207,122; published February 17, 1925.

Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, etc. 197,859; Apr. 28; Serial No. 206,057; published Feb. 10, 1925.

Buck & Rayner, Chicago, Ill. Candy. 198,029; Apr. 28.

Budd, George W., Wilkes-Barre, Pa. Confectionery. 197,869; Apr. 28; Serial No. 202,049; published Feb. 17, 1925.

Burpee-Johnson Corporation, Indianapolis, Ind. Shock absorbers. 197,985; Apr. 28; Serial No. 205,148; published Feb. 17, 1925.

Buschman Weisberg & Co. Inc., New York, N. Y. Gas mantles. 197,861; Apr. 28; Serial No. 206,106; published Feb. 10, 1925.

Cable Company, The, Chicago, Ill. Pianos. 46,482; renewed Sept. 19, 1925.

Cangios, Stephen D., doing business as Overland Coffee Company, Chicago, Ill. Coffees and teas. 197,919; Apr. 28; Serial No. 186,870; published Feb. 10, 1925.

Canton Forge & Axle Company, Canton, Ohio. Railway-car parts and automobile parts. 197,998; Apr. 28; Serial No. 204,754; published Feb. 3, 1925.

Carnrick, G. W., Co., New York, N. Y. Medicinal preparation for the relief of constipation, etc. 197,812; Apr. 28; Serial No. 206,825; published Feb. 10, 1925.

Carthage Crushed Limestone Co., Carthage Mo. Ground and powdered limestone for agricultural and other uses. 197,914; Apr. 28; Serial No. 189,931; published Feb. 10, 1925.

Certain-teed Products Corporation, New York, N. Y. Liquid asphalt, pitch, coal tar, and crushed gypsum rock. 198,015; Apr. 28; Serial No. 206,768; published Feb. 10, 1925.

Certified Laboratory Products Inc., Glendale, Calif. Motor-fuel ingredient. 197,813; Apr. 28; Serial No. 206,378; published Feb. 10, 1925.

Chandler and Rudd Company, The. Candy. 46,278; renewed Sept. 12, 1925.

Clark, W. L. M., Inc., St. Louis, Mo. Narrow braid and narrow elastic webbing. 198,028; Apr. 28.

Cohen, Goldman & Co. Inc., New York, N. Y. Knitted fabric made from pure virgin wool. 197,872; Apr. 28; Serial No. 202,489; published Feb. 10, 1925.

Cohen, William B., doing business as Belco Chem. Co., St. Paul, Minn. Perfume. 197,990; Apr. 28; Serial No. 204,586; published Feb. 10, 1925.

Cold Blast Feather Company, The, Philadelphia, Pa. Pillows and mattresses. 197,961; Apr. 28; Serial No. 185,814; published Feb. 10, 1925.

Colloidal Sulphur Corporation, Dover, Del., and Baltimore, Md. Soaps and soap powders. 197,851; Apr. 28; Serial No. 205,860; published Feb. 10, 1925.

Colorado Tent and Awning Company, Denver, Colo. Tents and awnings, piano covers, flags, etc. 198,038; Apr. 28.
Columbia Corrugated Company, New York, N. Y. Corrugated boxes, tubes, and cartons. 197,963; Apr. 28; Serial No. 180,047; published Feb. 10, 1925.
Combe Printing Co., St. Joseph, Mo. Writing paper. 197,956; Apr. 28; Serial No. 197,135; published Feb. 10, 1925.
Continental Can Company, Inc., New York, N. Y. Metal cans. 198,002; Apr. 28; Serial No. 204,397; published Feb. 10, 1925.
Cook, Walter F., East Cambridge, Mass. Waffle flour. 198,020; Apr. 28; Serial No. 200,658; published Feb. 10, 1925.
Corduroy Tire Company, Grand Rapids, Mich. Pneumatic-tire casings. 198,054; Apr. 28.
Cravenette Company, Limited, The, Bradford, England. Dress goods, cloakings, and goods for men's wear. 26,398; renewed Apr. 16, 1925.
Crawford, McGregor and Canby Company, The, Dayton, Ohio. Golf clubs. 197,853; Apr. 28; Serial No. 205,910; published Feb. 10, 1925.
Crystal Candy Company, Winston-Salem, N. C. Chocolate bar. 197,907; Apr. 28; Serial No. 206,946; published Feb. 17, 1925.
Dairy Marketing Association of Fort Wayne, Fort Wayne, Ind. Cottage cheese. 197,973; Apr. 28; Serial No. 205,911; published Feb. 10, 1925.
Daltroff, E., & Cie., doing business as Parfumerie Caron, Paris, France. Pastes and powders for beautifying and preserving the teeth, skin, and hair, and perfumery. 197,951; Apr. 28; Serial No. 199,976; published Feb. 10, 1925.
Darrow and Rudden. (See Gousset, Cyprien.)
De Vyne, Grayce, Modes, Inc., New York, N. Y. Ladies' dresses, coats, cloaks, and suits. 198,004; Apr. 28; Serial No. 203,879; published Jan. 27, 1925.
Dimitri, Joseph, St. Marys, Pa. Preparation for treatment of skin diseases. 197,814; Apr. 28; Serial No. 206,883; published Feb. 10, 1925.
Doods Granite Company, The, Xenia, Ohio; Milford, Mass.; Stony Creek, Conn.; and Keene, N. H. Granite. 198,024; Apr. 28; Serial No. 206,562; published Feb. 10, 1925.
Dow Chemical Company, The, Midland, Mich. Vat dyes. 198,055–6; Apr. 28.
Dow Chemical Company, The, Midland, Mich. Vat dyes. 198,061–2; Apr. 28.
Dunhameter Corporation, Chicago, Ill. Step plates for automobiles. 198,011; Apr. 28; Serial No. 206,830; published Feb. 17, 1925.
Durabilt Furniture Manufacturers, Incorporated, New York, N. Y. Bedroom and dining-room furniture. 197,939; Apr. 28; Serial No. 199,612; published Feb. 3, 1925.
Eagle Manufacturing Company, Wellsburg, W. Va. Torches, tallow pots, or oil pots. 197,915; Apr. 28; Serial No. 188,953; published Feb. 10, 1925.
East Moline Soap Manufacturing Co., The, East Moline, Ill. Soaps. 197,871; Apr. 28; Serial No. 202,441; published Dec. 2, 1924.
East Pembroke Canning Co., East Pembroke, N. Y. Canned vegetables. 197,933; Apr. 28; Serial No. 201,397; published Feb. 17, 1925.
Endocrine Laboratory. (See Gatlin, James G.)
Evansville Oil & Grease Company, Evansville, Ind. Fuel oils and lubricating oils and greases. 197,964; Apr. 28; Serial No. 177,902; published May 29, 1923.
Ezell, Abel T., Bellflower, Calif. Tablet for treating colds. 197,845; Apr. 28; Serial No. 206,661; published Feb. 10, 1925.
Federal Tea Company, Inc., Baltimore, Md. Tea and coffee. 198,023; Apr. 28; Serial No. 206,567; published Feb. 17, 1925.
Fisher Body Corporation, Detroit, Mich. Windshields. 197,969; Apr. 28; Serial No. 206,234; published Feb. 17, 1925.
Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 197,837; Apr. 28; Serial No. 206,775; published Feb. 10, 1925.
Galena Axle Grease Co., assignor to Galena Manufacturing Company, Galena, Ill. Axle grease, carriage and buggy grease, machinery oil, and lubricating oils. 46,026; renewed Sept. 5, 1925.
Galena-Signal Oil Company, Houston, Tex. Oils and greases. 197,946; Apr. 28; Serial No. 194,703; published Feb. 10, 1925.
Gatlin, James G., doing business as Endocrine Laboratory, St. Louis, Mo. Medicinal preparation. 197,840; Apr. 28; Serial No. 206,729; published Feb. 10, 1925.
Gentile Bros. Company, Orlando, Fla. Fresh citrous fruits and vegetables. 197,972; Apr. 28; Serial No. 205,919; published Feb. 10, 1925.
Gibbes, Alexander M., assignor to Gibbes Machinery Company, Columbia, S. C. Cotton-ginning machinery. 45,899; renewed Aug. 29, 1925.
Glassford, John, doing business as Ibis Perfumer, New York, N. Y. Face powders, rouges, etc. 197,833; Apr. 28; Serial No. 206,834; published Feb. 10, 1925.
Glemby's, S., Sons Co., Inc., New York, N. Y. Bob covers or switches. 197,866; Apr. 28; Serial No. 206,291; published Feb. 10, 1925.
Globe Overall Co., The, Cincinnati, Ohio. Overalls. 198,014; Apr. 28; Serial No. 206,778; published Feb. 3, 1925.
Globe Ventilator Co., assignor to Globe Ventilator Company, Troy, N. Y. Chimney cowls and ventilator caps for air shafts and like devices. 26,262; renewed Mar. 19, 1925.
Gold Seal Products Company. (See Urbana Wine Company, assignor.)
Gordon, J. S., doing business as J. S. Gordon & Co., Beaumont, Tex. Stock feed. 198,022; Apr. 28; Serial No. 206,572; published Feb. 10, 1925.
Gousset, Cyprien; Darrow and Rudden, New York, N. Y., successors. Chocolates and candies. 46,262; renewed Sept. 12, 1925.
Green, Sidney E., doing business as Owners Protective Association, Oklahoma City, Okla. Automobile trucks. 197,019; Apr. 28; Serial No. 206,666; published Feb. 10, 1925.
Greene, Sam T., & Company, Denver, Colo. House organ. 197,850; Apr. 28; Serial No. 205,826; published Feb. 3, 1925.
Grennan Cake Corporation, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Cakes, cookies, bread, etc. 197,931; Apr. 28; Serial No. 201,842; published Feb. 10, 1925.
Griffiths, K. F., Buff Company, Inc., New York, N. Y. Buffs. 197,827; Apr. 28; Serial No. 207,503; published Feb. 10, 1925.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods. 198,058; Apr. 28.
Haas-Lieber Grocery Company, St. Louis, Mo. Canned goods. 197,918; Apr. 28; Serial No. 187,461; published Feb. 17, 1925.
Haley-Neeley Company, Sioux City, Iowa. Field seeds. 198,050; Apr. 28.
Halperin, Nathan, doing business as Halperin Mills, Brooklyn, N. Y. Artificial-silk knitted fabric. 197,937; Apr. 28; Serial No. 199,941; published Feb. 10, 1925.
Hart, Theodore, H., & Co.; T. H. Hart & Co., Philadelphia, Pa., successors. Cigars. 45,558; renewed Aug. 22, 1925.
Hartford Mill Supply Company, The, Hartford, Conn. Metal polish. 197,815; Apr. 28; Serial No. 206,894; published Feb. 10, 1925.
Hartmann Trunk Company, Racine, Wis. Imitation-leather lining for trunks. 197,920; Apr. 28; Serial No. 186,830; published Feb. 10, 1925.
Heller, B., & Company, Chicago, Ill. Insecticide. 198,046; Apr. 28.
Hill Manufacturing Company, Boston, Mass. Cotton piece goods. 198,035; Apr. 28.
Hills Brothers Company, The, New York, N. Y. Brazil nuts, walnuts, filberts, etc. 197,873; Apr. 28; Serial No. 202,966; published Feb. 17, 1925.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 198,051; Apr. 28.
Holeproof Hosiery Co., Milwaukee, Wis. Hosiery. 197,961; Apr. 28; Serial No. 205,835; published Feb. 3, 1925.
Hooper-Mankin Fuel Company, Huntington, W. Va.; Battle Creek, Mich.; and Richmond, Va. Coal. 197,977; Apr. 28; Serial No. 205,600; published Feb. 10, 1925.
Hornbrook & Gist, Tampa, Fla. Canned and preserved fruits, fruit preserves, jellies, marmalades, and fruit pastes. 197,826; Apr. 28; Serial No. 207,461; published Feb. 10, 1925.
Houchens Medicine Co., Baltimore, Md. Preparation for the treatment of coughs, colds, etc. 197,831; Apr. 28; Serial No. 206,848; published Feb. 10, 1925.
Howland, Almon F., Northfield, Minn. Vehicle bodies. 197,864; Apr. 28; Serial No. 206,240; published Feb. 3, 1925.
Hoyle, Joseph, & Son, Limited, Longwood, near Huddersfield, England. Cloths and stuffs. 198,009; Apr. 28; Serial No. 206,896; published Feb. 10, 1925.
Hoyt, F., & Company, Limited; F. Hoyt & Co., Philadelphia, Pa., successor. Cologne water and other perfumery. 45,147; renewed Aug. 8, 1925.
Hoyt, Hugh P., doing business as Atlas Milling Co., Clinton, Mich. Wheat flour. 197,879; Apr. 28; Serial No. 204,031; published Feb. 10, 1925.
Hudnut, Richard, New York, N. Y. Perfumery, toilet waters, colognes, etc. 197,836; Apr. 28; Serial No. 206,785; published Feb. 10, 1925.
Hudson & Company, Holley, N. Y. Canned vegetables. 198,040; Apr. 28.
Hughes, E. Griffiths, Limited, Manchester, England. Bath salts. 197,832; Apr. 28; Serial No. 206,836; published Feb. 10, 1925.
Hunter Manufacturing & Commission Company, New York, N. Y. Cotton duck. 198,008; Apr. 28; Serial No. 206,899; published Feb. 10, 1925.
Ibis, Perfumer. (See Glassford, John.)
Ideal Novelty & Toy Co., Brooklyn, N. Y. Dolls. 197,822; Apr. 28; Serial No. 207,136; published Feb. 10, 1925.
Illinois Powder Mfg. Co., St. Louis, Mo. Dynamite. 198,048; Apr. 28.
Improved Office Partition Company, Elmhurst, Ill. Partitions, doors, wood molding, and wood trim. 198,026; Apr. 28; Serial No. 206,527; published Feb. 10, 1925.

Independent Fruit Growers, Inc., New York, N. Y. Fresh fruits, oranges, grapefruit, and tangerines. 197,857; Apr. 28; Serial No. 206,004; published Feb. 10, 1925.
Index Shoe Company, The, Claremont, N. H. Leather boots and shoes. 197,948; Apr. 28; Serial No. 201,810; published Feb. 3, 1925.
International Archeson Graphite Company, assignor to Archeson Graphite Company, Niagara Falls, N. Y. Graphite, graphite paint, and graphite electrodes. 45,008; renewed Aug. 22, 1925.
Jepson, William A., Corporation, Boston, Mass. Coal. 197,990; Apr. 28; Serial No. 205,482; published Feb. 3, 1925.
Jewett Radio & Phonograph Co., Detroit, Mich. Loud-speaker units. 197,852; Apr. 28; Serial No. 205,876; published Feb. 10, 1925.
Kadison, David E., New York, N. Y. Ice-cream sundaes. 197,950; Apr. 28; Serial No. 200,886; published Feb. 3, 1925.
Karlen, Arthur O., doing business as Valley Creamery, Oakville, Wash. Butter. 197,816; Apr. 28; Serial No. 206,904; published Feb. 10, 1925.
Keen and Woolf Oil Company, Shreveport, La., and Houston, Tex. Lubricating oils. 197,923; Apr. 28; Serial No. 176,349; published Feb. 10, 1925.
Keene-Belvidere Canning Company, Belvidere, Ill. Canned peas and corn. 197,932; Apr. 28; Serial No. 199,359; published Feb. 10, 1925.
Keferstein, Charles G., New York, N. Y. Stained-glass paper. 197,906; Apr. 28; Serial No. 206,970; published Feb. 10, 1925.
Kelly-Springfield Tire Company, New York, N. Y. Resilient vehicle tires. 198,021; Apr. 28; Serial No. 206,579; published Feb. 10, 1925.
Kennewick Flour Mills Company, Kennewick, Wash. Patent family flour, farina, dairy feed, etc. 197,877; Apr. 28; Serial No. 203,956; published Feb. 10, 1925.
Keystone Watch Case Company, The. (See New York Standard Watch Co.)
Keystone Watch Case Company, The. (See Philadelphia Watch Case Co.)
Keystone Watch Case Co., The, Philadelphia, Pa.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 45,834; renewed Aug. 29, 1925.
Kildow, Charles A., Bethesda, Ohio. Cigars. 198,049; Apr. 28.
Kimball, Carl W., doing business as The Kimball Export Company, New York, N. Y. Fresh apples. 197,863; Apr. 28; Serial No. 206,172; published Feb. 10, 1925.
Krank, Alfred J., St. Paul, Minn. Hair tonic, toilet water, antiseptic, etc. 198,053; Apr. 28.
La Pierre, H. M., & Company, a common-law trust, Chicago, Ill. Vehicle steering wheels and replacement rims therefor. 197,970; Apr. 28; Serial No. 206,075; published Feb. 10, 1925.
Leavitt Mfg. Co., Urbana, Ill. Discus, javelins, hurdles, and baseball bats. 198,043; Apr. 28.
Lever Brothers Company, Cambridge, Mass. Washing powder. 197,858; Apr. 28; Serial No. 206,006; published Feb. 10, 1925.
Lowe Mfg. Co., The, Huntsville, Ala. Cotton piece goods. 197,980; Apr. 28; Serial No. 205,338; published Feb. 10, 1925.
Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 44,818–14; renewed July 28, 1925.
Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 44,900; renewed July 28, 1925.
Lufkin Rule Co., The, Saginaw, Mich. Measuring tapes. 45,720–1; renewed Aug. 29, 1925.
Lufkin Rule Co., The, Saginaw, Mich. Glass boards. 46,488; renewed Sept. 19, 1925.
Macy, R. H., & Co., Inc., New York, N. Y. Tea and coffee. 197,996; Apr. 28; Serial No. 205,073; published Feb. 10, 1925.
Mann, I. G., Company Inc., New York, N. Y. Felts. 197,954; Apr. 28; Serial No. 198,192; published Jan. 27, 1925.
Marshall, W. A., & Company, Incorporated, New York, N. Y. Coal. 197,865; Apr. 28; Serial No. 206,251; published Feb. 3, 1925.
Mason, Mabel B., doing business as Edward Berwick, jr., Monterey, Calif. Fresh pears. 198,044; Apr. 28.
Masso's Hermanos, Vigo, Spain. Sardines, sprats, anchovies, etc., preserved in oil, in tomato, pickled, salted, smoked, or unsmoked. 197,960; Apr. 28; Serial No. 191,963; published Feb. 10, 1925.
McCollum, Edwin P., Baltimore, Md. Game board and cards used in connection therewith. 197,889; Apr. 28; Serial No. 206,736; published Feb. 10, 1925.
McKenzie, J. S., Company Inc., New York, N. Y. Ready-mixed paints, paint enamel, and varnish. 197,975; Apr. 28; Serial No. 205,885; published Feb. 10, 1925.
Menasha Printing and Carton Company, Menasha, Wis. Paperboard. 197,867; Apr. 28; Serial No. 206,321; published Feb. 10, 1925.
Merences, Mrs. J., Los Angeles, Calif. Preparation for the treatment of bruised coccyx. 197,874; Apr. 28; Serial No. 203,479; published Dec. 23, 1924.
Mero Mills, Nashville, Tenn. Self-rising flour. 197,928; Apr. 28; Serial No. 147,632; published Feb. 10, 1925.
Mewhinney, A. B., Co. Inc., Terre Haute, Ind. Candy. 197,824; Apr. 28; Serial No. 207,392; published Feb. 10, 1925.
Meyer, N. S., Inc., New York, N. Y. Insignia buttons and ornaments. 197,910; Apr. 28; Serial No. 193,345; published Feb. 17, 1925.
Middleby, Joseph, Jr., Inc., Boston, Mass. Imitation maple extract. 197,986; Apr. 28; Serial No. 204,924; published Feb. 10, 1925.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Cotton, silk, and linen piece goods and mixtures of same. 197,942; Apr. 28; Serial No. 198,415; published Feb. 10, 1925.
Minnesota Mercantile Co., Stillwater, Minn. Mincemeat, rice, canned oysters, blended coffee, etc. 197,936; Apr. 28; Serial No. 200,573; published Feb. 10, 1925.
Mitchell & Dillon Coal Company, Chicago, Ill. Coal. 197,992; Apr. 28; Serial No. 205,428; published Jan. 27, 1925.
Mudge & Company, Chicago, Ill. Railway gasoline-motor cars. 198,060; Apr. 28.
Mutual Orange Distributors, Redlands, Calif. Oranges, lemons, and grapefruit. 197,823; Apr. 28; Serial No. 207,199; published Feb. 10, 1925.
National Candy Company, St. Louis, Mo. Candy. 197,870; Apr. 28; Serial No. 202,352; published Feb. 10, 1925.
National Trading Company, Chicago, Ill. Receptacles for holding powder. 197,989; Apr. 28; Serial No. 205,543; published Feb. 10, 1925.
Neeves, A. L., and Company, Brockton, Mass. Sponges. 197,976; Apr. 28; Serial No. 205,651; published Feb. 10, 1925.
Nemecek, Jas. L., doing business as Nemecek Brothers, Chicago, Ill. Men's suits, overcoats, etc., and women's coats, outer skirts, and knickers. 198,006; Apr. 28; Serial No. 202,883; published Feb. 3, 1925.
Newman Drug Company, Louisville, Ky. Toothbrushes. 198,010; Apr. 28; Serial No. 206,855; published Feb. 17, 1925.
New-York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs, hairpins, hair buckles, and clasps. 197,949; Apr. 28; Serial No. 201,006; published Feb. 10, 1925.
New-York Hamburger Gummi-Waaren Compagnie, Hamburg, Germany. Combs, hairpins, hair buckles, and hair clasps. 197,994; Apr. 28; Serial No. 205,128; published Feb. 10, 1925.
New York Standard Watch Co., Jersey City, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 45,400; renewed Aug. 15, 1925.
Oehlschlaeger, John H., Paducah, Ky. Preparation for treatment of constipation and sick headache. 197,828; Apr. 28; Serial No. 207,512; published Feb. 10, 1925.
Ogden Laboratories, Ogden, Utah. Preparations for closing tire punctures. 197,987; Apr. 28; Serial No. 202,030; published Feb. 10, 1925.
Oil Service Co. (See Schlegel, John A.)
O'Leary, Stephen, Buffalo, N. Y. Monthly magazine. 198,003; Apr. 28; Serial No. 204,188; published Feb. 10, 1925.
Orange Judd Company, New York, N. Y., assignor to Phelps Publishing Company, Springfield, Mass. Periodicals. 46,136; renewed Sept. 5, 1925.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 198,018; Apr. 28; Serial No. 206,680; published Feb. 10, 1925.
Osborne, John J., New York, N. Y. Dolls for children. 197,971; Apr. 28; Serial No. 205,944; published Feb. 10, 1925.
Overland Coffee Company. (See Cangios, Stephen D.)
Owners Protective Association. (See Green, Sidney E.)
Ozone Co., Inc., New Orleans, La. Mineral water. 197,913; Apr. 28; Serial No. 190,428; published Feb. 17, 1925.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 197,902; Apr. 28; Serial No. 207,093; published Feb. 10, 1925.
Pacific Wholesale Grocery Co., Los Angeles, Calif. Canned peaches, canned pears, plums, soup, etc. 197,958; Apr. 28; Serial No. 196,134; published July 22, 1924.
Page Coffee Company, St. Joseph, Mo. Coffee, tea, spices, food-flavoring extracts, and cocoa. 197,978; Apr. 28; Serial No. 205,546; published Feb. 17, 1925.
Parfumerie Caron. (See Daltroff, E., & Cie.)
Paris Medicine Co., St. Louis, Mo. Antiseptic healing Oil. 45,373; renewed Aug. 15, 1925.
Paris Medicine Co., St. Louis, Mo. Artificial ointment. 46,335; renewed Sept. 12, 1925.
Paris Medicine Co., St. Louis, Mo. Chill tonics. 46,394; renewed Sept. 19, 1925.
Paris Medicine Co., St. Louis, Mo. Remedies for coughs, colds, and headaches. 46,395; renewed Sept. 19, 1925.
Patch, E. L., Company, The, Stoneham, Mass. Medicine for croup. 197,844; Apr. 28; Serial No. 206,683; published Feb. 10, 1925.
Pedoux Produx Company. (See Schwarzschild, Harry.)
Pennsylvania Silk Hosiery Mills, Inc., Bangor, Pa. Hosiery. 197,888; Apr. 28; Serial No. 206,746; published Feb. 3, 1925.
Peter Paul Candy Manufacturing Company, Incorporated, Naugatuck, Conn. Candy. 197,884; Apr. 28; Serial No. 204,723; published Feb. 10, 1925.

Phalen, Joseph S., Minneapolis, Minn. Candy. 197,878; Apr. 28; Serial No. 203,971; published Dec. 9, 1924.
Phelps Publishing Company. (See Orange Judd Company, assignor.)
Philadelphia Watch Case Co., Riverside, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 45,401–2; renewed Aug. 15, 1925.
Philadelphia Watch Case Co., Riverside, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 45,405–7; renewed Aug. 15, 1925.
Philadelphia Watch Case Co., Riverside, N. J.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 45,841–2; renewed Aug. 29, 1925.
Pinkham, Lydia E., Medicine Company, Lynn, Mass. Blood purifiers and remedies for female complaints and liver pills. 45,785; renewed Aug. 29, 1925.
Pioneer Coal & Coke Company, St. Louis, Mo. Coal. 197,997; Apr. 28; Serial No. 204,867; published Jan. 27, 1925.
Pioneer Manufacturing Company, The, Cleveland, Ohio. Chemically-treated dusters. 198,037; Apr. 28.
Pioneer Products Company, The, Dayton Ohio. Soap and soap chips. 197,991; Apr. 21; Serial No. 205,441; published Feb. 10, 1925.
Popular Radio, Inc., New York, N. Y. Monthly publication. 197,854; Apr. 28; Serial No. 205,947; published Feb. 10, 1925.
Practical Publications, Inc., Indianapolis, Ind. Monthly trade journal. 197,988; Apr. 28; Serial No. 205,778; published Feb. 10, 1925.
Premier Motors, Incorporated, Indianapolis, Ind. Taxicabs. 198,007 Apr. 28; Serial No. 206,325; published Feb. 10, 1925.
Purity Milk Cap Co., The, Westfield, Mass. Caps for milk bottles. 197,974; Apr. 28; Serial No. 205,889; published Feb. 10, 1925.
Ranh, E., & Sons Fertiliser Company, Indianapolis, Ind. Meat meal, meat scraps, blood meal, and tankage for poultry and hog feed preparations. 197,921; Apr. 28; Serial No. 184,760; published Feb. 19, 1924.
Ray, W. S., Manufacturing Co., San Francisco, Calif. Oil burners, oil-burning sets, and oil and gas ranges. 197,995; Apr. 28; Serial No. 205,089; published Feb. 3, 1925.
Realshine Company, Incorporated, The, Galveston, Tex. Liquid dressing for shoes, leathers, fabrics, duck, and cloth. 198,034; Apr. 28.
Ritter, O. A., Coal Company, Milwaukee, Wis. Coal. 198,027; Apr. 28; Serial No. 205,443; published Jan. 27, 1925.
Roberts, Roy C., Peoria, Ill. Condiment for foods. 197,929; Apr. 28; Serial No. 201,935; published Feb. 10, 1925.
Sacks, I., & Sons, New York, N. Y. Silk goods in the piece. 197,947; Apr. 28; Serial No. 194,025; published Feb. 10, 1925.
Saginaw Milling Company, Saginaw, Mich. Dried beans. 197,862; Apr. 28; Serial No. 206,130; published Feb. 10, 1925.
Sauer, Hans, doing business as J. P. Sauer & Sohn, Suhl in Thuringia, Germany. Shotguns, rifles, and pistols and parts thereof. 197,911; Apr. 28; Serial No. 192,927; published Feb. 10, 1925.
Schiegel, John A., doing business as Oil Service Co., New York, N. Y. Lubricating oils and greases. 198,017; Apr. 28; Serial No. 206,696; published Feb. 10, 1925.
Schlosser Brothers, Frankfort, Ind. Dried buttermilk. 197,847; Apr. 28; Serial No. 206,544; published Feb. 10, 1925.
Schmid, Julius, Inc., New York, N. Y. Fountain pens and pencils. 197,846; Apr. 28; Serial No. 206,640; published Feb. 10, 1925.
Schneider, Frank, doing business as B. Schneider and Son, New York, N. Y. Frocks, gowns, and dresses. 197,968; Apr. 28; Serial No. 169,034; published July 22, 1924.
Schwarzschild, Harry, doing business as Pedox Produx Company, New York, N. Y. Cleaners, dressings, creams, and polishes for footwear. 197,875; Apr. 28; Serial No. 203,754; published Dec. 9, 1924.
Service Laboratories, Inc., Chicago, Ill. Rubbing alcohol. 198,059; Apr. 28.
Sexton, John, and Company, Chicago Ill. Ginger ale and root beer. 197,829; Apr. 28; Serial No. 207,596; published Feb. 10, 1925.
Shields Ice & Cold Storage Co., Limited, The, North Shields, England. Canned fish, fish pastes, and meat-pastes. 198,045; Apr. 28.
Sierra Talc Company, Los Angeles, Calif. Talc, whiting, and silica. 197,912; Apr. 28; Serial No. 191,412; published Feb. 17, 1925.
Sinclair Refining Company. (See Union Petroleum Co., assignor.)
Skelly Oil Company, Tulsa, Okla. Gasoline, kerosene, industrial lubricants, etc. 198,047; Apr. 28.
Skenahdoa Cotton Co. of Utica, N. Y., The, Utica, N. Y. Yarn of or containing cotton. 197,916; Apr. 28; Serial No. 188,615; published Feb. 10, 1925.
Smaklets Company, The, Chicago, Ill. Candy. 197,901; Apr. 28; Serial No. 207,103; published Feb. 17, 1925.
Smith-Dwyer Manufacturing Company, Dayton, Ohio. Toy flying machines. 197,855; Apr. 28; Serial No. 205,958; published Feb. 10, 1925.
Societe Anonyme des Chaux et Ciments de Lafarge et du Teil, Viviers, Ardeche, France. Lime and cement. 197,944; Apr. 28; Serial No. 195,657; published Feb. 10, 1925.
Societe l'Aliment Essentiel, Nanterre, France. Prepared foods for infants and invalids. 198,013; Apr. 28; Serial No. 206,809; published Feb. 10, 1925.
South-Western Broom Mfg. Co., The, Evansville, Ind. Brooms. 197,896; Apr. 28; Serial No. 207,210; published Feb. 17, 1925.
Sparkol Chemical Company. (See Abramowitz, Jacob.)
Spratt's Patent (America) Limited, London, England. Food for birds. 197,830; Apr. 28; Serial No. 206,862; published Feb. 10, 1925.
Springfield Glazed Paper Company, West Springfield, Mass. Wrapping paper. 197,818; Apr. 28; Serial No. 206,981; published Feb. 10, 1925.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum. 197,924; Apr. 28; Serial No. 175,967; published July 22, 1924.
Standard Pyroxoloid, Leominster, Mass. Hair receivers, trays, jewel cases, etc. 197,955; Apr. 28; Serial No. 197,503; published Feb. 10, 1925.
Standard Textile Products Company, The, Youngstown, Ohio, and New York, N. Y. Oilcloth. 197,922; Apr. 28; Serial No. 183,862; published Feb. 10, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 197,885; Apr. 28; Serial No. 204,841; published Feb. 10, 1925.
Suchard, S. A., Neuchatel, Switzerland. Chocolate. 197,880; Apr. 28; Serial No. 204,251; published Feb. 17, 1925.
Sulka, A., & Company, New York, N. Y. Cotton, silk, and wool shirtings and handkerchiefs. 198,057; Apr. 28.
Sun Flame Fruit Farms. (See Van Buskirk, C. R.)
Sweet-Pius, Inc., Fort Wayne, Ind. Candy. 197,849; Apr. 28; Serial No. 205,797; published Feb. 10, 1925.
Swift and Company, Chicago, Ill. Oleomargarine. 197,817; Apr. 28; Serial No. 206,928; published Feb. 10, 1925.
Taylor, Benjamin P., Cincinnati, Ohio. Adhesive liquid cement. 197,882; Apr. 28; Serial No. 204,574; published Feb. 10, 1925.
Thayer, Henry, & Co. Inc., Cambridge, Mass. Facial creams. 197,843; Apr. 28; Serial No. 206,701; published Feb. 10, 1925.
Traber, Andrew P., New York, N. Y. Bolting silk for use in making stencils. 197,898–9; Apr. 28; Serial Nos. 207,155–6; published Feb. 10, 1925.
Tucker, Gordon, Minneapolis, Minn. Tire jacks. 198,005; Apr. 28; Serial No. 203,888; published Dec. 23, 1924.
Underwood, Fred W., doing business as F. W. Underwood Company, Memphis, Tenn. Evaporated milk. 197,888; Apr. 28; Serial No. 204,640; published Feb. 17, 1925.
Union Petroleum Co., Philadelphia, Pa., assignor to Sinclair Refining Company, New York, N. Y. Lubricating oils. 45,516–17; renewed Aug. 22, 1905.
United Cheese Importers, Inc., New York, N. Y. Cheese. 197,930; Apr. 28; Serial No. 201,867; published Feb. 10, 1925.
United States Gypsum Company, Chicago, Ill. Plaster board. 198,025; Apr. 28; Serial No. 206,549; published Feb. 10, 1925.
U. S. Industrial Chemical Co., Baltimore, Md. Solvents in solvent mixtures. 197,953; Apr. 28; Serial No. 198,435; published Feb. 10, 1925.
United States Products Corporation, San Francisco, Calif. Dried fruits, canned vegetables, and dried vegetables. 197,927; Apr. 28 Serial No. 166,330; published June 24, 1924.
Urbana Wine Company, assignor to Gold Seal Products Company, Inc., Urbana, N. Y. Sparkling wine or champagne. 46,011; renewed Sept. 5, 1925.
Valley Creamery. (See Karlen, Arthur O.)
Van Buskirk, C. R., doing business as Sun Flame Fruit Farms, Lodi, Calif. Fresh grapes, fresh cherries. 198,036; Apr. 28.
Van Wagenen and Schickhaus Company, Newark, N. J. Cured, sliced, and boneless bacon, cured hams, and cured beef tongues. 197,959; Apr. 28; Serial No. 193,868; published Feb. 10, 1925.
Vegetable Oil Corporation, The, New York, N. Y. Edible coconut oil. 197,932; Apr. 28; Serial No. 201,602; published Feb. 10, 1925.
Vital Food Co. (See Wilke, Rose.)
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, etc., piece goods. 197,819; Apr. 28; Serial No. 207,044; published Feb. 10, 1925.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, etc., piece goods. 197,890–2; Apr. 28; Serial Nos. 207,535–7; published Feb. 10, 1925.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, etc., fabrics. 197,908; Apr. 28; Serial No. 207,047; published Feb. 10, 1925.

Walther Manufacturing Co., Philadelphia, Pa. Wool piece goods. 197,904; Apr. 28; Serial No. 207,038; published Feb. 10, 1925.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Lotions and toilet creams. 198,041; Apr. 28.
Welch, Holme & Clark Company, Newark, N. J., and New York, N. Y. Tallow for use in manufacturing soap. 197,935; Apr. 28; Serial No. 200,919; published Jan. 20, 1925.
Western Grain Company, Birmingham, Ala. Horse, mule, and hen feed. 197,886; Apr. 28; Serial No. 204,879; published Feb. 10, 1925.
Westmoreland Brick Company, Pittsburgh, Pa. Bricks, tiles, and blocks. 197,968; Apr. 28; Serial No. 206,264; published Feb. 17, 1925.
Westphal, Adolph, River Forest, Ill. Beverages and sirups for making same, and carbonated water. 197,842; Apr. 28; Serial No. 206,707; published Feb. 10, 1925.
Westphal, Adolph, doing business as Adolph Westphal Bottling Co., River Forest, Ill. Carbonated water. 197,841; Apr. 28; Serial No. 206,710; published Feb. 10, 1925.
Wheaton, Ivan P., Long Beach, Calif. Candy, mints, candy bars, glaced fruit, etc. 198,042; Apr. 28.
Wheeling Corrugating Company, Wheeling and Manchester, Ohio. Stovepipe. 197,926; Apr. 28; Serial No. 167,497; published Feb. 10, 1925.
White Satin Sugar Company, Minneapolis, Minn. Wheat flour. 197,876; Apr. 28; Serial No. 203,771; published Feb. 10, 1925.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Candy. 197,825; Apr. 28; Serial No. 207,429; published Feb. 10, 1925.
Wiggins, Edgar W., Plant City, Fla. Fresh citrous fruits. 198,000; Apr. 28; Serial No. 204,740; published Feb. 10, 1925.
Wilke, Rose, doing business as Vital Food Co., Los Angeles, Calif. Laxative herbal compound. 197,835; Apr. 28; Serial No. 206,815; published Feb. 10, 1925.
Will, Geo., & Co., Long Island City, N. Y. Liquid cleansing material for canvas, duck, and suede shoes. 197,860; Apr. 28; Serial No. 206,100; published Feb. 10, 1925.
Wilson, Thos. E., & Co., Chicago, Ill. Golf clubs, bags, and balls. 197,820–1; Apr. 28; Serial Nos. 207,109–10; published Feb. 10, 1925.
Woldert, Alex, Company, doing business as Woldert Peanut Products Co. and Woldert Canning Company, Tyler, Tex. Shelled peanuts, stock feed, canned blackberries, etc. 197,909; Apr. 28; Serial No. 193,646; published Feb. 10, 1925.
Worumbo Manufacturing Company, Bath, Me. Woolen piece goods. 197,893; Apr. 28; Serial No. 207,483; published Feb. 10, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

California Wine Grape Products, Inc., Reno, Nev., and Calistoga, Calif. Sherry Wine Seasoning. For Sherry-Wine Seasoning. 28,621; Apr. 28.
Humphrey, W. E., Co. Inc., Tacoma, Wash. Gimme More. For Candy. 28,622; Apr. 28.
Humphrey, W. E., Co. Inc., Tacoma, Wash. Tryabox Chocolates. For Candy. 28,623; Apr. 28.
Lipton, Thomas J., Inc., Hoboken, N. J.; Chicago, Ill.; and San Francisco, Calif. Lipton's Tea. For Tea. 28,624–6; Apr. 28.
Sutton, R. M., Dubois, Pa. Grip Tube Patch. For Rubber-Tube Patches. 28,627; Apr. 28.
Sutton, R. M., Dubois, Pa. White King Tube Patch. For Rubber-Tube Patch. 28,628; Apr. 28.
White & Wyckoff Mfg. Co., Holyoke, Mass. Cross Word Puzzle Composition Book. For Composition Books. 28,629; Apr. 28.
White & Wyckoff Mfg. Co., Holyoke, Mass. Cross Word Puzzle Pencil Tablet. For Pencil Tablets. 28,630; Apr. 28.
White & Wyckoff Mfg. Co., Holyoke, Mass. Cross Word Puzzle Pad. For Pads. 28,631; Apr. 28.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Good (wingfoot) Year No-Draft Mats for Fords. For No-Draft Mats. 7,915; Apr. 28.
Goodyear Tire & Rubber Company, The, Akron, Ohio. For Safe Winter Driving Good (wingfoot) Year Balloons. For Vehicle Tires Composed Wholly or in Part of Rubber. 7,916; Apr. 28.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Good—wingfoot—Year Balloons Etc. For Vehicle Tires Composed Wholly or in Part of Rubber. 7,917; Apr. 28.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Trade In Your Old Tires—On Good—Wingfoot—Year Balloons. For Vehicle Tires Composed Wholly or in Part of Rubber. 7,918; Apr. 28.
Woodward, Charles E., Grand Rapids, Mich. Wonder. For Men's Clothing and Furnishing Goods. 7,919; Apr. 28.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Adams Bros. & Co., Chicago, Ill. Jar caps. 191,247; Apr. 28.
Adirondack Tissue Paper Co., Utica, N. Y. Toilet paper and paper towels and napkins. 206,342; Apr. 28.
Agar Packing & Provision Company, Chicago, Ill. Beef, pork, sheep, and veal carcasses and parts thereof. 170,467; Apr. 28.
Alexander Laboratories, The, Los Angeles, Calif. Hairdressing. 199,948; Apr. 28.
All-American Radio Corporation, Chicago, Ill. Transformers. 210,209; Apr. 28.
Allied Belting Company, The, Greenville, Ohio. Carpenter aprons. 208,926; Apr. 28.
Altman, Harry, Detroit, Mich. Malt extracts for beverage purposes. 208,945; Apr. 28.
American Broom and Brush Co., Amsterdam, N. Y. Brooms. 209,893; Apr. 28.
American Fork & Hoe Company, The, Cleveland, Ohio. Stamped-metal handle tops for D handles for shovels, forks, and spades. 199,740; Apr. 28.
Antrim, C. W., & Sons. Richmond, Va. Teas and spices. 210,823; Apr. 28.
Arch Cushion Corporation, New York, N. Y. Spring cushions for automobiles. 206,787; Apr. 28.
Arden, Elizabeth. (See Lewis, Florence N.)
Artek Company. (See Zuckerman, Morris.)
Atlantic Pharmacy, The. (See Brown, Charles.)
Averill Manufacturing Corporation of New York, New York, N. Y. Dolls. 211,147–8; Apr. 28.
Baker & Kimball, Inc., Boston, Mass. Guns. 209,195; Apr. 28.
Baldwin Packers, Ltd., Lahaina, Maui, Hawaii. Canned pineapple. 208,665; Apr. 28.
Baltimore Hub Wheel & Mfg. Co. (See Loock, Robert C.)
Barber, W. H., Company, Chicago, Ill., and Minneapolis, Minn. Lubricating oil. 209,717; Apr. 28.
Barbour Flax Spinning Company, Paterson, N. J. Linen thread. 206,853; Apr. 28.
Barbour, Perley E., doing business as Barbour Welting Company, Montello Station, Brockton, Mass. Welting for boots and shoes. 209,962; Apr. 28.
Battersby & Company Limited, London, England. Men's hats. 210,217; Apr. 28.
Bay Chemical Co. (See Landes, Jacob D.)
Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 208,891–2; Apr. 28.
Beacon Tire & Rubber Corporation, Beacon, N. Y. Vehicle tires having rubber as their chief component part. 194,322–5; Apr. 28.
Beckwith-Chandler Company, Newark, N. J. Pigmented pyroxylin coating lacquer for automobiles and other vehicle bodies. 210,440; Apr. 28.
Bennett Day Importing Company Inc., New York, N. Y. Floor mattings and mats. 208,894; Apr. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Men's and boys' collars, pyjamas, night robes, etc. 209,764–6; Apr. 28.

Berry, Albert L., Leather Company, Boston, Mass. Leather insoles and leather shoes linings. 209,964; Apr. 28.

Bidwell, John A., Company Inc., Beverly, N. J. Cotton woven dishcloths. 210,602; Apr. 28.

Bilt Well Products Co., Bay City, Mich. Storage batteries. 210,158; Apr. 28.

Bing Werke, vorm. Gebrüder Bing A. G. Nürnberg, Nuremberg, Germany. Enamel ware. 206,763; Apr. 28.

Binney & Smith Company, New York, N. Y. Black pigments for use in the rubber industry. 210,523; Apr. 28.

Birdsey Somers Company, New York, N. Y. Combination underwear garments for women. 191,293; Apr. 28.

Blue Bird Hosiery Shop, New Bedford, Mass. Hosiery. 188,468; Apr. 28.

Blue Diamond Virginia Coal Co., Knoxville, Tenn. Coal. 210,339; Apr. 28.

Boehringer, Albert, doing business as C. H. Boehringer Sohn, Nieder-Ingelheim-on-the-Rhine, Germany. Medicinal preparations for treating gall and liver diseases, gallstone specifics. 202,761; Apr. 28.

Bonnet-Brown Corporation, The, Chicago, Ill. Devices for making stereotypes. 208,895; Apr. 28.

Boston Auto Gage Company, Boston, assignor to The Boston Auto Gage Company, Pittsfield, Mass. Liquid gauges. 209,881; Apr. 28.

Boston Excelsior Company, New York, N. Y., and Boston, Mass. Upholstery, stuffing and filling materials. 199,520; Apr. 28.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 210,271; Apr. 28.

Botany Worsted Mills, Passaic, N. J. Woolen piece goods. 210,274; Apr. 28.

Bowden, J. W., and Son, Vernon, Tex. Liniment. 210,343; Apr. 28.

Boydell Bros. White Lead & Color Co., The, Detroit, Mich. Ready-mixed paint and paint enamels. 207,490; Apr. 28.

Brewer & Company, Inc., Worcester, Mass. Insecticides in the form of soap. 209,768; Apr. 28.

British Celanese Limited, London, England. Threads and yarns. 203,247; Apr. 28.

Brown, Charles, doing business as The Atlantic Pharmacy, Atlantic City, N. J. Medicine for indigestion. 211,153; Apr. 28.

Bucyrus Company, Milwaukee, Wis. Shovels, excavating machinery and excavators, etc. 205,314; Apr. 28.

Burns-McCorkle Remedy Co., Atlanta, Ga. Preparation to prevent discharge from the mucous membranes. 210,344; Apr. 28.

Busse, Frank A., Sales Co., San Francisco, Calif. Automobile polish. 205,739; Apr. 28.

California Walnut Co. (See Fleishman, Sam.)

Campeco Oil Company, Chicago, Ill. Lubricating oils, gasoline, kerosene, and road oil. 209,384; Apr. 28.

Canadian Industrial Alcohol Company, Limited. Montreal, Quebec, Canada. Hydrometers and measuring instruments. 207,849; Apr. 28.

Cannon Mills, Inc., New York, N. Y. Hosiery. 189,964; Apr. 28.

Capitol Brassiere and Girdle Company. (See Glass, Louis.)

Carbit Paint Co. (See Westerman, L. H.)

Carson, Robert M., Belfast, Ireland. Linen handkerchiefs not in the piece. 210,709; Apr. 28.

Chicago Bargain House, Chicago, Ill. Hats for women. 211,080; Apr. 28.

Clark, Chas. H., Philadelphia, Pa. Skin lotions. 209,530; Apr. 28.

Clayton Mark & Company, Chicago, Ill. Tubular well valves and similar deep-well valves. 208,860; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,276; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,281–2; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,285; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,351–3; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,357; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,359; Apr. 28.

Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,361–2; Apr. 28.

Cohn, Rissman & Co., Chicago, Ill. Men's and young men's suits, coats, vests, trousers, and overcoats. 209,619; Apr. 28.

Coleman Lamp Company, The, Wichita, Kans. Gasoline lamps and lanterns. 206,219; Apr. 28.

Coline Laboratories. (See Gauss, Charles E., sr.)

Conde Nast Publications, Inc., The, New York, N. Y. Publication. 206,157–8; Apr. 28.

Consolidated Glove & Hosiery Corporation, San Francisco, Calif. Gloves and hosiery. 210,830; Apr. 28.

Coty, Inc., Wilmington, Del., and New York, N. Y. Bath salts. 211,232; Apr. 28.

Craddock-Terry Company, Lynchburg, Va. Leather shoes. 210,885; Apr. 28.

Crossword Games, Inc., New York, N. Y. Cross-word puzzle game. 209,387; Apr. 28.

Dauk, M. Carlton, & Co., Brooklyn, N. Y. Table game played with pieces. 209,772; Apr. 28.

Davidson, Barnett, New York, N. Y. Cotton piece goods. 209,724; Apr. 28.

Davison, George E., St. Helens, Oreg. Caskets, casket containers, and septic tanks. 209,336; Apr. 28.

Dawson Chemical Company, Indianapolis, Ind. Antiseptic and sterilising solution. 211,158; Apr. 28.

Dell, James, Chicago, Ill. Medicinal injector instruments. 207,976; Apr. 28.

De Luxe Lamp Mfg. Co. (See Reizar, Jay J.)

De Witt, E. C., & Co. Inc., Chicago, Ill. Cough sirup. 204,504; Apr. 28.

Downing, T. H., & Co. Limited, Leicester, England. Hosiery, underdrawers, vests, etc. 206,114; Apr. 28.

Dry Goods Alliance, Inc., The, New York, N. Y. Hosiery. 197,998; Apr. 28.

Dryice Corporation of America, New York and Long Island City, N. Y. Carbon dioxide (CO_2). 211,340; Apr. 28.

Duofold Health Underwear Company, Mohawk, N. Y. Sweaters and sweater coats. 210,588; Apr. 28.

Duplan Silk Corporation, New York, N. Y. Silk piece goods. 175,475; Apr. 28.

East Coast Jobbing House, The. (See Wolfson, Louis.)

East, Robert E., doing business as Maxoline Chemical Company, Muncie, Ind. Anæsthetics. 211,342; Apr. 28.

Edge, Wm., & Sons Limited, Bolton, England. Dyes. 209,628; Apr. 28.

Edison Citrus Association, Edison, Calif. Fresh oranges. 205,817; Apr. 28.

Edmonds Shoe Company, doing business as Trans-Continental Shoe Company, Milwaukee, Wis. Leather shoes. 211,086; Apr. 28.

Elman, Samuel, Company, Inc., Syracuse, N. Y. Men's trousers and men's and ladies' golf knickers. 209,780; Apr. 28.

Eloesser-Heynemann Company, San Francisco, Calif. Overalls. 209,027; Apr. 28.

Emmert Soap Company, The, Cincinnati, Ohio. Liquid soap. 210,884; Apr. 28.

Farmers Produce Company, Brawley, Calif. Fresh melons, grapes, citrous fruits, and vegetables. 206,891; Apr. 28.

Farnum, John, Co., Philadelphia, Pa. Cotton piece goods. 204,957; Apr. 28.

Fine, M., & Sons, New York, N. Y. Men's work shirts and dress shirts, boy's shirts, and children's play suits. 210,722; Apr. 28.

Fleishman, Sam, doing business as California Walnut Co., Los Angeles, Calif. Walnuts and almonds. 208,340; Apr. 28.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 209,640; Apr. 28.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 210,376–6; Apr. 28.

Franklin Simon & Co., Inc, New York, N. Y. Soaps. 208,751; Apr. 28.

Franzen, Georg, doing business as Perbion Manufacturing Company, New York, N. Y. Mineral water. 209,909; Apr. 28.

Freeland, Claude L., Bristow, Okla. Farm, stock, and dairy products. 202,699; Apr. 28.

Gauss, Charles E., sr., doing business as Coline Laboratories, Marshall, Mich. Medicinal preparation for constipation. 211,163; Apr. 28.

General Die Casting & Machine Co., Chicago, Ill. Die-cast machine parts. 194,793; Apr. 28.

Gerla, M., & Son, New York, N. Y. Girls' and misses' dresses, coats, overcoats, etc. 191,012–13; Apr. 28.

Gibraltar Coal Mining Co., Memphis, Tenn. Coal. 209,212; Apr. 28.

Gilmore Oil Company, Los Angeles, Calif. Asphalt. 207,502; Apr. 28.

Girard & Co., Inc., Bridgeport, Conn., and Mount Vernon, N. Y. Preparation for polishing and preserving automobile bodies, etc. 210,380; Apr. 28.

Glass, Louis, doing business as Capitol Brassiere and Girdle Company, New York, N. Y. Brassières and girdles. 210,114; Apr. 28.

Golfers' Supply Company, The, Springfield, Ill. Golf tees. 208,235; Apr. 28.

Goodman, N., & Son, New York, N. Y. Pure salad oil. 207,867; Apr. 28.

Greene, G. F., Co., Manchester, Conn. Chair backs to be used when sitting in the sand. 197,430; Apr. 28.

Grout and Company, Limited, Great Yarmouth, Norfolk, England. Face cloths, face gloves, washing cloths, etc. 208,516; Apr. 28.

Gruen Watch Company, The, Cincinnati, Ohio. Watches. 188,902; Apr. 28.

Hall, Hartwell & Co. Inc., Troy, N. Y. Dress, negligee and work shirts. 209,916; Apr. 28.

Hamilton, William L., doing business as Success Mfg. Co., Tishinomingo, Okla. Insect powder. 211,166; Apr. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Hand Medicine Company, Philadelphia, Pa. Medicinal remedies—namely, teething lotion, chafing powder, etc. 210,551; Apr. 28.

Harnischfeger Corporation, Milwaukee, Wis. Electric traveling cranes, electric hoists, etc. 208,982; Apr. 28.

Heithamp, Elizabeth A., St. Louis, Mo. Hair pomade. 210,298; Apr. 28.

Herbert and Herbert, Los Angeles, Calif. Gas savers for engine intake manifolds. 210,121; Apr. 28.

Hercules Powder Company, Wilmington, Del. Nitrocellulose. 210,122–3; Apr. 28.

Herring Bros. Inc., New York, N. Y. Woven fabric. 206,351; Apr. 28.

Hess, Goldsmith & Co., Inc., New York, N. Y. Textile fabrics—namely, cotton, wool, etc. 209,574; Apr. 28.

Hoenigsberger, A., Chicago, Ill. Welting or edging used for upholstering. 208,465; Apr. 28.

Hood, John, & Co. Inc., New York, N. Y. Cotton goods in the piece. 210,555; Apr. 28.

Houghton, E. F., & Co., Philadelphia, Pa. Round leather cord and belting. 209,344; Apr. 28.

Hunt, Helm, Ferris & Co., Harvard, Ill. Bull staffs, floor scrapers, litter carriers, etc. 210,963; Apr. 28.

Ima Products Corp., Los Angeles, Calif. Facial pack and cream, dentifrice, and nail polish. 211,212; Apr. 28.

Improved Office Partition Company, Elmhurst, N. Y. Partitions, doors, and wood molding and trim. 206,526; Apr. 28.

Internationale Laboratorien Arlesheim A. G., Arlesheim, Switzerland. Medicines for headache, hay fever, influenza, etc., lotions for the hair, hair oil, and dentifrices. 205,830; Apr. 28.

Internationale Laboratorien Arlesheim A. G., Arlesheim, Switzerland. Medicines for the treatment of dogs' distemper. 205,831; Apr. 28.

Iroquois Canning Corporation, Onarga, Ill. Canned corn. 208,143–6; Apr. 28.

Iroquois Canning Corporation, Onarga, Ill. Canned corn. 208,149; Apr. 28.

Iserson, Abraham S., New York, N. Y. Ladies' underwear of woven fabric, consisting of nightgowns, drawers, etc. 209,792; Apr. 28.

Janalene, Incorporated, Indianapolis, Ind. Women's and children's dresses and coats. 210,060; Apr. 28.

Kastor, Adolph, & Bros., New York, N. Y. Hair clippers and parts thereof. 211,109; Apr. 28.

Kaufman, Max, and Sons, New York, N. Y. Garters. 206,358; Apr. 28.

Kenmore Medicine Co. (See Weinsheimer, John C.)

Kessler, I., Commission Company, Inc., Macon, Ga. Hosiery, knitted underwear, and sweaters. 209,354; Apr. 28.

Kienzle Uhrenfabriken A.-G., Schwenningen, Germany. Fare indicators. 193,464; Apr. 28.

Kling, Ken, New York, N. Y. Towels. 208,408; Apr. 28.

Kochs Adlernähmaschinen-Werke A. G., Bielefeld, Germany. Sewing machines, spare parts, sewing-machine power benches, etc. 201,502; Apr. 28.

Krank, Alfred J., St. Paul, Minn. Shampoo. 192,704; Apr. 28.

Kuehn, Charles A., St. Louis, Mo. Ribbons and chiffons, silk and imitation silk in the bolt. 209,410; Apr. 28.

Landes, Jacob D., doing business as Bay Chemical Co., Oakland, Calif. Insecticides. 211,276; Apr. 28.

Lansing Loom Works. (See Steber, Bernard T.)

Leethem, Chas., & Co., assignor to Leethems Limited, Portsmouth, England. Corsets and belts for wear, ladies' shirts and blousee. 190,300–1; Apr. 28.

Leslie-Judge Company, New York, N. Y. Magazine articles. 210,911; Apr. 28.

Lever Brothers Company, Cambridge, Mass. Soap. 210,967; Apr. 28.

Lewin, Florence N., doing business as Elizabeth Arden, New York, N. Y. Face powder. 208,470; Apr. 28.

Liverpool Borax Co. Ltd., The, Liverpool, England. Paint or liquid coating. 194,720; Apr. 28.

Livierato, F., Aden, Arabia. Coffee. 209,795; Apr. 28.

Loock, Robert C., doing business as Baltimore Hub Wheel & Mfg. Co., Baltimore, Md. Assembled radio receiving sets and component parts thereof. 210,178; Apr. 28.

MacIntyre-Fishback Mfg. Co., The, Pueblo, Colo. Working pants, shirts, jumpers, overalls, overall suits. 208,712; Apr. 28.

Madison Woolen Co., Madison, Me. Woolen piece goods. 208,685; Apr. 28.

Maniscalco New Power System Company, Bellevue, Ohio. Engines for driving other machinery—namely, gas engines. 208,853; Apr. 28.

Manly, John B., Company, Chicago, Ill. Men's, boys', and youths' suits, coats, vests, trousers. 207,086; Apr. 28.

Marcus Brothers, New York, N. Y. Piece goods made of cotton, silk, or wool and pile fabrics. 207,874; Apr. 28.

Margrace Mills, Inc., Kings Mountain, N. C. Bedspreads, pillow shams, and draperies. 192,027; Apr. 28.

Martin, John A., doing business as Peerless Products Company, Jersey City, N. J. Cold cream and hairdressing pomade. 209,654; Apr. 28.

Max Glick Company, The, Cleveland, Ohio. Candy. 207,297; Apr. 28.

Maxine Manufacturing Co., Chicago, Ill. Princess slips, petticoats, aprons, step-ins, etc. 210,002; Apr. 28.

Maxoline Chemical Company. (See East, Robert E.)

McGill, James P., Chicago, Ill. Suppositories in the treatment of chronic diseases peculiar to women. 194,652; Apr. 28.

Meister Bros. & Co., Cleveland, Ohio. Ladies' collar and cuff sets, scarfs, blouses, and sweaters. 208,769; Apr. 28.

Merchants Oil Company, Shamokin, Pa. Lubricating oils. 199,879; Apr. 28.

Metz, Herman A., New York, N. Y. Concentrates of cod-liver oil. 210,246; Apr. 28.

Miller, John P., doing business as Nu-Vim Chemical Co., Port Gibson, Miss. Ointment preparation for stubborn hair, chill tonic, etc. 192,985; Apr. 28.

Miller, Sam G., doing business as Samson Company, Claredon, Ark. Salves for sores, burns, cuts, asthma, etc. 211,283; Apr. 28.

Moore, Charles & Company Limited, Liverpool and Lymm, near Warrington, England. Chemical composition for paper coating, etc. 205,079; Apr. 28.

Mote & Mote, Indianapolis, Ind. Foot powder and corn remedy. 205,281; Apr. 28.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation. 200,272–3; Apr. 28.

Naamloose Vennootschap Nederlandsche Kunstrijdefabriek, Arnheim, Netherlands. Ribbons, materials, fabrics, knitted goods, and tricots in the piece. 203,138; Apr. 28.

Narwood Bros., Brooklyn, N. Y. Unmedicated white cotton gauze in the piece. 192,725; Apr. 28.

Narwood Bros., Brooklyn, N. Y. White and colored crinoline linings in the piece. 194,733; Apr. 28.

National Carbon Company, Inc., New York, N. Y. Electric-light carbons. 209,934; Apr. 28.

National Urn Bag Co. Inc., New York, N. Y. Cloth urn bags for coffee urns. 207,252; Apr. 28.

Nestor Drug and Chemical Company, Chicago, Ill. Medicinal preparation for pulmonary diseases, coughs, colds, and general debility. 210,073; Apr. 28.

New England Felt Roofing Works, Boston, Mass. Sheets and rolls of roofing felt and tarred roofing paper. 209,542–3; Apr. 28.

New Progress Co., The, New York, N. Y. Doors for shower stalls. 208,862; Apr. 28.

North American Dye Corporation, Mount Vernon, N. Y. Powdered toilet soap. 210,919; Apr. 28.

Northam Warren Corporation, New York, N. Y. Manicure sets. 209,185; Apr. 28.

Norton Company, Worcester, Mass. Oilstones, hones, etc. 198,151; Apr. 28.

Nospace Hat Holder Company. (See Wilson, Mary S.)

Nu-Vim Chemical Co. (See Miller, John P.)

Olmsted, Leon A., doing business as United States Athletic Company, Chicago, Ill. Shaving stick, razor strops and hones, soaps. 170,668; Apr. 28.

Onyx Oil & Chemical Co., Jersey City, N. J. Gum for printing textile fabrics. 209,544; Apr. 28.

Optical Products Corporation, New York, N. Y. Ophthalmic mountings. 209,314; Apr. 28.

Osaka Orimono Kabushiki-kaisha, Sakai, Japan. Cotton piece goods. 186,851; Apr. 28.

Palmolive Company, The, Chicago, Ill. Laundry soaps. 210,138; Apr. 28.

Paraffine Companies, Inc., The, San Francisco, Calif. Prepared roofing. 208,192; Apr. 28.

Paragon Paint & Varnish Corporation, New York and Long Island City, N. Y. Ready-mixed paints. 210,978; Apr. 28.

Parfumerie Lubin. (See Prot, Paul, & Cie.)

Parfumerie Molinard Jeune, Grasse, France. Perfumes, toilet waters, face powder, etc. 205,182; Apr. 28.

Parfumerie Rigaud, Inc., New York, N. Y. Perfumes, toilet waters, face powders, compacts, etc. 210,979; Apr. 28.

Parisi, Maurice, Corona, N. Y. Dental powder. 211,374; Apr. 28.

Parke, Davis & Company, Detroit, Mich. Liquid petrolatum. 211,119; Apr. 28.

Parks Bros. & Rogers, Inc., Providence, R. I. Ornamental clasp buckles of nonprecious-metal ware. 209,056; Apr. 28.

Peckham-Foreman, Inc., New York, N. Y. Sweaters and sweater jackets. 209,361; Apr. 28.

Peerless Plush Manufacturing Company, Paterson, N. J. Pile fabrics. 188,860; Apr. 28.

Peerless Products Company. (See Martin, John A.)

Penny, Edward F., Chicago, Ill. Lubricating oil. 187,343; Apr. 28.

Peoples Oil Co., Inc., Bemidji, Minn. Gasoline. 209,688; Apr. 28.

Perbion Manufacturing Company. (See Franzen, Georg.)

Pohl, Ed., Grosse Rosenkranzstrasse, Esthonia. Safety matches. 206,802; Apr. 28.

Poller & Bauman, New York, N. Y. Plush cloth material. 210,685; Apr. 28.

Pompeian Mfg. Company, The, Cleveland, Ohio. Water softener and bath perfume. 211,292; Apr. 28.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Pow Wow Mfg. Co., The, Chicago, Ill. Toilet preparations—namely, perfume, shampoo, preparations, etc. 208,869; Apr. 28.

Prest-O-Lite Company Inc., The, Indianapolis, Ind. Calcium hydrate and calcium hydrate with added substances. 207,798–801; Apr. 28.

Progress Paint Mfg. Co., Louisville, Ky. House, floor, roof paints, varnish stains, paint enamels, and cement paints. 209,813; Apr. 28.

Prot, Paul, & Cie., doing business as Parfumerie Lubin, Paris, France. Perfumes, toilet water, face powders, etc. 209,693–5; Apr. 28.

Putman, Charles E., Portland, Oreg. Shingles of all kinds, including composition and paper shingles. 208,677; Apr. 28.

Rabinowitz, Herman, doing business as Rasico Silk Mills, New York, N. Y. Silk, satin, and cotton goods in the piece. 210,619; Apr. 28.

Rand, Anthony B., Chicago, Ill. Table game played with numbered wooden blocks and grains of corn. 210,080; Apr. 28.

Rasico Silk Mills. (See Rabinowitz, Herman.)

Reiss, Elias, & Co., Inc., New York, N. Y. Cotton cloth in the piece. 204,196; Apr. 28.

Rekar, Jay J., doing business as De Luxe Lamp Mfg. Co. Los Angeles, Calif. Medical and surgical lamps. 207,202; Apr. 28.

Revere Mills, Inc., Buffalo, N. Y. Hosiery, knitted jackets, knitted undergarments, etc. 209,587; Apr. 28.

Robiot, Gaston V. C., Paris, France. Ladies' hats. 208,135; Apr. 28.

Rogers, M. H., Inc., New York, N. Y. Textile rugs. 209,249; Apr. 28.

Rome Manufacturing Company, Rome, Ga. Men's and boys' suits and pants, work shirts, dress shirts, and overalls. 209,001; Apr. 28.

Rothschild, David, & Co., Columbus, Ga. Cotton, woolen, linen, and silk piece fabrics. 196,676; Apr. 28.

Rowe & Rowe, North Platte, Nebr. Dandelion-killing compound. 211,294; Apr. 28.

Rueping, Fred, Leather Company, Fond du Lac, Wis. Leather. 192,092; Apr. 28.

Russell, Hamilton, Pensacola, Fla. Medicinal preparation for the treatment of coughs, colds, etc. 211,126; Apr. 28.

Samsav Company. (See Miller, Sam G.)

Schock Independant Oil Company, Mount Joy, Pa. Petroleum products used as fuels and lubricants. 208,781; Apr. 28.

Schofield's, J. S., Sons Co., Macon, Ga. Steam engines. 207,408; Apr. 28.

Schwob, Adolphe, Inc., New York, N. Y. Watches and watch movements. 210,409–10; Apr. 28.

Scotch Woolen Mills, Chicago, Ill. Suits, overcoats, trousers, and caps for men and belts for personal wear. 208,874; Apr. 28.

Security Mills, Inc., Newton, Mass., and New York, N. Y. Knitted textile fabrics. 205,451; Apr. 28.

Shawinigan Products Corporation, New York, N. Y. Calcium carbide. 211,128; Apr. 28.

Shawinigan Products Corporation, New York, N. Y. Acetaldehyde and its polymers, aldol, paroldehyde, etc. 211,130; Apr. 28.

Shepard Norwell Company, Boston, Mass. Dry goods—namely, sweaters, negligee and undershirts, etc. 208,725; Apr. 28.

Sherman Bros., New York, N. Y. Men's and young men's suits and topcoats. 209,868; Apr. 28.

Simmons, C. F., Medicine Co., Incorporated, St. Louis, Mo. Preparations for the treatment of diseases of the liver. 210,017; Apr. 28.

Slenderella Stout Dresses Inc., New York, N. Y. Dresses. 210,318; Apr. 28.

Smith, Hogg & Co., New York, N. Y. Blankets, bed and crib coverings. 209,595; Apr. 28.

Societe Anonyme des Chaux et Ciments de Lafarge et du Teil, Viviers, France. Lime and cement. 195,656; Apr. 28.

Societe Rodier, Paris, France. Piece goods of wool, cotton, and silk, and mixtures of the same. 209,252; Apr. 28.

Soulias, Mike, doing business as Soulias Candy Company, Wyandotte, Mich. Candy. 198,079; Apr. 28.

Southern Coal & Coke Company, Boothton, Ala. Coal. 208,878; Apr. 28.

Steber, Bernard T., doing business as Lansing Loom Works, Utica, N. Y. Looms. 210,691; Apr. 28.

Steinfeld, Inc., New York, N. Y. Electric vacuum cleaners. 210,510; Apr. 28.

Sterling Cabinet Works, Inc., Winfield, Long Island City, N. Y. Radio loud speakers. 210,319; Apr. 28.

Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 204,679; Apr. 28.

Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 205,963; Apr. 28.

Straus, A. D., & Co., New York, N. Y. Cotton piece goods. 205,616; Apr. 28.

Success Mfg. Co. (See Hamilton, William L.)

Sweets Company of America, Inc., The, New York, N. Y. Candy. 206,262; Apr. 28.

Tar Products Corporation, Providence and East Providence, R. I. Disinfectants and insecticides. 211,305; Apr. 28.

Tar Products Corporation, Providence and East Providence, R. I. Creosote wood preservatives. 211,308; Apr. 28.

Tater-Flakes Company, The, Chicago, Ill. Potato-chip-making machines. 206,500; Apr. 28.

Taunton Rubber Company, Taunton, Mass. Rubber supporting foot pad for cabinets and other articles. 210,324; Apr. 28.

Texart Company, Inc., The, East Orange, N. J. Textile rugs. 209,881; Apr. 28.

Texas Carbon Industries, Inc., The, Breckenridge, Tex. Carbon black. 206,139; Apr. 28.

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Lubricating grease. 205,893; Apr. 28.

Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Lubricating oils. 210,984; Apr. 28.

Timely Films, Inc., New York, N. Y. Text motion-picture films and text slides. 188,831; Apr. 28.

Tingue, Brown & Co., New York, N. Y. Flat-work sheeting for flat-work-ironing rolls. 210,867; Apr. 28.

Tingue, Brown & Co., New York, N. Y. Woven cotton padding. 211,189; Apr. 28.

Torian Brothers Company, Evansville, Ind. Sweaters, caps and hats, infants' bootees, scarfs, and shirts. 207,836; Apr. 28.

Tosti Mfg. Co., Inc., New York, N. Y. Woven cloth hand towels. 198,691; Apr. 28.

Trans-Continental Shoe Company. (See Edmonds Shoe Company.)

Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,095; Apr. 28.

Union Hardware Company, Torrington, Conn. Miter boxes, chisels, screw drivers, etc. 210,987; Apr. 28.

United Basket and Nursery Furniture Mfg. Co., Inc., New York, N. Y. Nursery furniture. 191,928; Apr. 28.

Universal Paper Company, New York, N. Y. Wrapping paper in bulk. 207,421; Apr. 28.

Valentin, H. Font, Paris, France. Perfumes, toilet water, powders, etc. 209,823; Apr. 28.

Valley Wholesale Dry Goods Co., Brownsville, Tex. Pants, coats, shirts, hosiery, undershirts, and drawers. 208,325; Apr. 28.

Vernart Manufacturing Corporation, New York, N. Y. Rubber and fabric aprons and children's bibs, etc. 210,333; Apr. 28.

Victor Motors, Inc., St. Louis, Mo. Motor trucks. 192,458; Apr. 28.

Voss & Stern, Inc., New York, N. Y. Cotton piece goods. 187,594; Apr. 28.

Wachusett Shirt Co., Leominster, Mass. Dress, negligee, and sport shirts. 210,767; Apr. 28.

Wallace, Harry, Elizabeth, N. J. Suction-cup hooks for light-weight articles. 206,099; Apr. 28.

Warren-Ehret Company, Philadelphia, Pa. Liquid or plastic bituminous roofing compounds. 208,082; Apr. 28.

Watkins, J. R., Company, The, Winona, Minn. Laundry and toilet soaps, soap jelly, soap powder, etc. 210,150; Apr. 28.

Weidner, Edmund, Berlin, Germany. Albuminates, albumoses, and dissolutions of said solutions. 202,786; Apr. 28.

Weinsheimer, John C., doing business as Kenmore Medicine Co., Kenmore, Ohio. Medicine for use in the treatment of rheumatism, sprains, etc. 210,637; Apr. 28.

Weinstock, Wm., Scranton, Pa. Men's hats. 208,720; Apr. 28.

Westerman, L. H., doing business as Carbit Paint Co., Chicago, Ill. Ready-mixed paint. 209,326; Apr. 28.

Wheeler, W. O., Portland, Oreg. Bakery goods. 187,274; Apr. 28.

Wheeler's, Incorporated, Chicago, Ill. Men's and women's clothing. 189,435; Apr. 28.

White, Zaccheus W., Oakland, Calif. Cakes, pies, and sandwiches. 201,942; Apr. 28.

Whitmore, Charles, Yonkers, N. Y. Insect fluid. 211,194; Apr. 28.

Wilson, Mary S., doing business as Nospace Hat Holder Company, Detroit, Mich. Hat holders. 208,838; Apr. 28.

Winthrop Chemical Company Inc., New York, N. Y. Uterine hemostatic medicine. 210,770; Apr. 28.

Wolff, Kirchmann & Co., Inc., San Francisco, Calif. Canned sardines and wheat flour. 209,759; Apr. 28.

Wolfson, Louis, doing business as The East Coast Jobbing House, Miami, Fla. Work shirts, underwear, overalls, work jackets, and hosiery. 185,397; Apr. 28.

Wooton Insecticide Company, Inc., Atlanta, Ga. Insecticides. 209,714; Apr. 28.

Zaferis Bros. & Co. Inc., Los Angeles, Calif. Fresh lettuce, cauliflower, and cabbage. 209,450; Apr. 28.

Zuckerman, Morris, doing business as Artek Company, New York, N. Y. Liquid coating in the nature of paint for preserving roofs. 209,826; Apr. 28.

Züricher Beteltuchfabrik A.-G., Zurich, Switzerland. Silk bolting cloth. 207,432–4; Apr. 28.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Asphalt, pitch, coal tar, and crushed gypsum rock. Liquid. Certain-teed Products Corporation. 198,015; Apr. 28; Serial No. 206,766; published Feb. 10, 1925.

Batts, burlap, excelsior, etc. Boston Excelsior Company. 197,982; Apr. 28; Serial No. 205,812; published Feb. 17, 1925.

Coal. Bertha-Consumers Co. 197,868; Apr. 28; Serial No. 206,394; published Feb. 3, 1925.

Coal. Hooper-Mankin Fuel Company. 197,977; Apr. 28; Serial No. 205,600; published Feb. 10, 1925.

Coal. William A. Jepson Corporation. 197,990; Apr. 28; Serial No. 205,482; published Feb. 3, 1925.

Coal. W. A. Marshall & Company. 197,865; Apr. 28; Serial No. 206,251; published Feb. 3, 1925.

Coal. Mitchell & Dillon Coal Company. 197,992; Apr. 28; Serial No. 205,428; published Jan. 27, 1925.

Coal. Pioneer Coal & Coke Company. 197,997; Apr. 28; Serial No. 204,367; published Jan. 27, 1925.

Coal. O. A. Ritter Coal Company. 198,027; Apr. 28; Serial No. 205,443; published Jan. 27, 1925.

Felts. I. G. Mann Company. 197,984; Apr. 28; Serial No. 198,192; published Jan. 27, 1925.

Granite. Dodds Granite Company. 198,024; Apr. 28; Serial No. 206,562; published Feb. 10, 1925.

Isinglass, Fish. American Glue Company. 197,945; Apr. 28; Serial No. 194,765; published Feb. 10, 1925.

Limestone, Ground and powdered. Carthage Crushed Limestone Co. 197,914; Apr. 28; Serial No. 189,931; published Feb. 10, 1925.

Seeds, Field. Haley-Neeley Company. 198,050; Apr. 28.

Sponges. A. L. Neeves and Company. 197,976; Apr. 28; Serial No. 205,651; published Feb. 10, 1925.

Talc, whiting, and silica. Sierra Talc Company. 197,912; Apr. 28; Serial No. 191,412; published Feb. 17, 1925.

Upholstery and bedding stuffing and filling materials. Boston Excelsior Company. 197,983; Apr. 28; Serial No. 205,310; published Feb. 10, 1925.

CLASS 2.

Boxes, tubes, and cartons, Corrugated. Columbia Corrugated Company. 197,963; Apr. 28; Serial No. 180,047; published Feb. 10, 1925.

Cans, Metal. Continental Can Company. 198,002; Apr. 28; Serial No. 204,397; published Feb. 10, 1925.

Hair receivers, trays, jewel cases, etc. Standard Pyroxoloid Corporation. 197,955; Apr. 28; Serial No. 197,508; published Feb. 10, 1925.

Powder receptacles. National Trading Company. 197,989; Apr. 28; Serial No. 205,543; published Feb. 10, 1925.

CLASS 3.

Trunks, Imitation-leather lining for. Hartmann Trunk Company. 197,920; Apr. 28; Serial No. 186,839; published Feb. 10, 1925.

CLASS 4.

Buffs. K. F. Griffiths Buff Company. 197,827; Apr. 28; Serial No. 207,503; published Feb. 10, 1925.

Cleaners, dressings, creams, and polishes for footwear. H. Schwarzschild. 197,875; Apr. 28; Serial No. 203,754; published Dec. 9, 1924.

Cleaning, scouring, and polishing wads, pads, etc. Brillo Manufacturing Company. 197,859; Apr. 28; Serial No. 206,057; published Feb. 10, 1925.

Cleansing material, Liquid. Geo. Will & Co. 197,860; Apr. 28; Serial No. 206,160; published Feb. 10, 1925.

Dressing for shoes, leathers, fabrics, duck, and cloth, Liquid. Realshine Company. 198,034; Apr. 28.

Dusters, Chemically-treated. Pioneer Manufacturing Company. 198,037; Apr. 28.

Polish, Metal. Hartford Mill Supply Company. 197,815; Apr. 28; Serial No. 206,894; published Feb. 10, 1925.

Soap and soap chips. Pioneer Products Company. 197,991; Apr. 28; Serial No. 205,441; published Feb. 10, 1925.

Soaps. East Moline Soap Manufacturing Co. 197,871; Apr. 28; Serial No. 202,441; published Dec. 2, 1924.

Soaps and soap powders. Colloidal Sulphur Corporation. 197,851; Apr. 28; Serial No. 205,860; published Feb. 10, 1925.

Tallow. Welch, Holme & Clark Company. 197,935; Apr. 28; Serial No. 200,919; published Jan. 20, 1925.

Washing powder. Lever Brothers Company. 197,858; Apr. 28; Serial No. 206,006; published Feb. 10, 1925.

CLASS 5.

Adhesive liquid cement. B. P. Taylor. 197,882; Apr. 28; Serial No. 204,574; published Feb. 10, 1925.

Preparations for closing tire punctures. Ogden Laboratories. 197,987; Apr. 28; Serial No. 202,030; published Feb. 10, 1925.

CLASS 6.

Alcohol, Rubbing. Service Laboratories, Inc. 198,059; Apr. 28.

Antiseptic healing oil. Paris Medicine Co. 45,373; renewed Aug. 15, 1925.

Bath salts. E. Griffiths Hughes, Limited. 197,882; Apr. 28; Serial No. 206,836; published Feb. 10, 1925.

Blood purifiers and remedies for female complaints and liver pills. Lydia E. Pinkham Medicine Company. 45,785; renewed Aug. 29, 1925.

Cologne water and other perfumery. F. Hoyt & Company. 45,147; renewed Aug. 8, 1925.

Creams, Facial. Henry Thayer & Co. 197,843; Apr. 28; Serial No. 206,701; published Feb. 10, 1925.

Dyes, Vat. Dow Chemical Company. 198,055–6; Apr. 28.

Dyes, Vat. Dow Chemical Company. 198,061–2; Apr. 28.

Hair tonic, toilet water, antiseptic, etc. A. J. Krank. 198,058; Apr. 28.

Insecticide. B. Heller & Company. 198,046; Apr. 28.

Laxative herbal compound. R. Wilke. 197,835; Apr. 28; Serial No. 206,815; published Feb. 10, 1925.

Lotions and toilet creams. John Wanamaker Philadelphia. 198,041; Apr. 28.

Medicinal preparation. J. G. Gatlin. 197,840; Apr. 28; Serial No. 206,729; published Feb. 10, 1925.

Medicinal preparation for the relief of constipation, etc. G. W. Carnrick Co. 197,812; Apr. 28; Serial No. 206,825; published Feb. 10, 1925.

Medicine for croup. E. L. Patch Company. 197,844; Apr. 28; Serial No. 206,683; published Feb. 10, 1925.

Motor-fuel ingredient. Certified Laboratory Products Inc. 197,813; Apr. 28; Serial No. 206,876; published Feb. 10, 1925.

Oil of ylang-ylang. Fritzsche Brothers, Inc. 197,887; Apr. 28; Serial No. 206,775; published Feb. 10, 1925.

Ointment, Artificial. Paris Medicine Co. 46,355; renewed Sept. 12, 1925.

Pastes and powders for the teeth, skin, and hair, and perfumery. E. Daltroff & Cie. 197,951; Apr. 28; Serial No. 199,976; published Feb. 10, 1925.

Perfume. W. B. Cohen. 197,999; Apr. 28; Serial No. 204,586; published Feb. 10, 1925.

Perfumery, toilet waters, colognes, etc. Richard Hudnut. 197,836; Apr. 28; Serial No. 206,785; published Feb. 10, 1925.

Powders, rouges, perfumes, etc., Face. J. Glassford. 197,853; Apr. 28; Serial No. 206,834; published Feb. 10, 1925.

Preparation for the treatment of bruised coccyx. Mrs. J. Mereness. 197,874; Apr. 28; Serial No. 203,479; published Dec. 23, 1924.

Preparation for the treatment of coughs, colds, etc. Houchens Medicine Co. 197,831; Apr. 28; Serial No. 206,848; published Feb. 10, 1925.

Preparation for treatment of constipation and sick headache. J. H. Oehischlaeger. 197,828; Apr. 28; Serial No. 207,512; published Feb. 10, 1925.

Preparation for treatment of skin diseases. J. Dimitri. 197,814; Apr. 28; Serial No. 206,883; published Feb. 10, 1925.

Remedies for coughs, colds, and headaches. Paris Medicine Co. 46,395; renewed Sept. 19, 1925.

Solvents in solvent mixtures. U. S. Industrial Chemical Co. 197,953; Apr. 28; Serial No. 198,435; published Feb. 10, 1925.

Tablet for treating colds. A. T. Ezell. 197,845; Apr. 28; Serial No. 206,661; published Feb. 10, 1925.

Tonics, Chill. Paris Medicine Co. 46,394; renewed Sept. 19, 1925.

CLASS 9.

Dynamite. Illinois Powder Mfg. Co. 198,048; Apr. 28.

Shotguns, rifles, and pistols and parts thereof. H. Sauer. 197,911; Apr. 28; Serial No. 192,927; published Feb. 10, 1925.

CLASS 12.

Brick, Pressed. Bradford Pressed Brick Co. 46,176; renewed Sept. 12, 1925.

Bricks, tiles, and blocks. Westmoreland Brick Company. 197,968; Apr. 28; Serial No. 206,284; published Feb. 17, 1925.

Lime and cement. Societe Anonyme des Chaux et Ciments de Lafarge et du Teil. 197,944; Apr. 28; Serial No. 195,657; published Feb. 10, 1925.

Partitions, doors, wood molding, and wood trim. Improved Office Partition Company. 198,026; Apr. 28; Serial No. 206,527; published Feb. 10, 1925.

Plaster board. United States Gypsum Company. 198,025; Apr. 28; Serial No. 206,549; published Feb. 10, 1925.

Stucco, plaster, and flooring. Asbestoloid Products Company. 197,908; Apr. 28; Serial No. 206,390; published Feb. 10, 1925.

CLASS 15.

Gasoline, kerosene, industrial lubricants, etc. Skelly Oil Company. 198,047; Apr. 28.

Grease, carriage and buggy grease, machinery oil, and lubricating oils, Axle. Galena Axle Grease Co. 46,026; renewed Sept. 5, 1925.

Oils and greases. Galena-Signal Oil Company. 197,946; Apr. 28; Serial No. 194,703; published Feb. 10, 1925.
Oils and greases, Lubricating. J. A. Schiegel. 198,017; Apr. 28; Serial No. 206,696; published Feb. 10, 1925.
Oils and lubricating oils and greases, Fuel. Evansville Oil & Grease Company. 197,964; Apr. 28; Serial No. 177,902; published May 29, 1923.
Oils, Lubricating. Keen and Woolf Oil Company. 197,923; Apr. 28; Serial No. 176,849; published Feb. 10, 1925.
Oils, Lubricating. Union Petroleum Co. 45,516–17; renewed Aug. 22, 1925.
Petroleum and products of petroleum. Standard Oil Company of New York. 197,924; Apr. 28; Serial No. 175,967; published July 22, 1924.

CLASS 16.

Graphite, graphite paint, and graphite electrodes. International Acheson Graphite Company. 45,608; renewed Aug. 22, 1925.
Paints, paint enamel, and varnish. J. S. McKenzie Company. 197,975; Apr. 28; Serial No. 205,885; published Feb. 10, 1925.
Polish. J. Abramowitz. 197,979; Apr. 28; Serial No. 205,504; published Feb. 10, 1925.

CLASS 17.

Cigars. Theodore H. Hart & Co. 45,558; renewed Aug. 22, 1925.
Cigars. C. A. Kildow. 198,049; Apr. 28.

CLASS 19.

Automobile step plates. Dunhameter Corporation. 198,011; Apr. 28; Serial No. 206,830; published Feb. 17, 1925.
Automobile trucks. S. E. Green. 198,019; Apr. 28; Serial No. 206,666; published Feb. 10, 1925.
Cars, Railway gasoline-motor. Mudge & Company. 198,060; Apr. 28.
Carts, trucks, and runners, Hand. F. J. Aubeuf. 26,741; renewed June 25, 1925.
Railway-car parts and automobile parts. Canton Forge & Axle Company. 197,998; Apr. 28; Serial No. 204,754; published Feb. 3, 1925.
Shock absorbers. Burpee-Johnson Corporation. 197,985; Apr. 28; Serial No. 205,148; published Feb. 17, 1925.
Steering wheels and replacement rims therefor, Vehicle. H. M. La Pierre & Company, a common-law trust. 197,970; Apr. 28; Serial No. 206,075; published Feb. 10, 1925.
Taxicabs. Premier Motors, Incorporated. 198,007; Apr. 28; Serial No. 206,325; published Feb. 10, 1925.
Vehicle bodies. A. F. Howland. 197,864; Apr. 28; Serial No. 206,240; published Feb. 3, 1925.
Windshields. Fisher Body Corporation. 197,969; Apr. 28; Serial No. 206,234; published Feb. 17, 1925.

CLASS 20.

Oilcloth. Standard Textile Products Company. 197,922; Apr. 28; Serial No. 183,862; published Feb. 10, 1925.

CLASS 21.

Loud-speaker units. Jewett Radio & Phonograph Co. 197,852; Apr. 28; Serial No. 205,876; published Feb. 10, 1925.

CLASS 22.

Discus, javelins, hurdles, and baseball bats. Leavitt Mfg. Co. 198,043; Apr. 28.
Dolls. Ideal Novelty & Toy Co. 197,822; Apr. 28; Serial No. 207,136; published Feb. 10, 1925.
Dolls for children. J. J. Osborne. 197,971; Apr. 28; Serial No. 205,944; published Feb. 10, 1925.
Fishing line. Ashaway Line & Twine Manufacturing Company. 197,834; Apr. 28; Serial No. 206,820; published Feb. 10, 1925.
Game board and cards used in connection therewith. E. P. McCollom. 197,839; Apr. 28; Serial No. 206,738; published Feb. 10, 1925.
Golf clubs. Crawford, McGregor and Canby Company. 197,853; Apr. 28; Serial No. 205,910; published Feb. 10, 1925.
Golf clubs, bags, and balls. Thos. E. Wilson & Co. 197,820–1; Apr. 28; Serial Nos. 207,109–10; published Feb. 10, 1925.
Sleds. American Toy & Novelty Works. 197,856; Apr. 28; Serial No. 205,976; published Feb. 10, 1925.
Toy flying machines. Smith-Dwyer Manufacturing Company. 197,855; Apr. 28; Serial No. 205,958; published Feb. 10, 1925.

CLASS 23.

Cotton-ginning machinery. A. M. Gibbes. 45,899; renewed Aug. 29, 1925.
Knives, Machine, belt, and leather. Bailey & Blendinger Mfg. Co. 45,486; renewed Aug. 22, 1925.
Tire jacks. G. Tucker. 198,006; Apr. 28; Serial No. 208,868; published Dec. 23, 1924.

CLASS 26.

Glass boards. Lufkin Rule Co. 46,488; renewed Sept. 19, 1925.
Measuring tapes. Lufkin Rule Co. 44,813–14; renewed July 25, 1925.
Measuring tapes. Lufkin Rule Co. 44,900; renewed July 25, 1925.
Measuring tapes. Lufkin Rule Co. 45,720–1; renewed Aug. 29, 1925.

CLASS 27.

Watches, watchcases, and watch movements. Keystone Watch Case Co. 45,834; renewed Aug. 29, 1925.
Watches, watchcases, and watch movements. New York Standard Watch Co. 45,400; renewed Aug. 15, 1925.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 45,401–2; renewed Aug. 15, 1925.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 45,405–7; renewed Aug. 15, 1925.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 45,841–2; renewed Aug. 29, 1925.

CLASS 29.

Brooms. South-Western Broom Mfg. Co. 197,896; Apr. 28; Serial No. 207,210; published Feb. 17, 1925.
Toothbrushes. Newman Drug Company. 198,010; Apr. 28; Serial No. 206,855; published Feb. 17, 1925.

CLASS 32.

Furniture, Bedroom and dining-room. Durabilt Furniture Manufacturers, Incorporated. 197,939; Apr. 28; Serial No. 199,612; published Feb. 3, 1925.
Pillows and mattresses. Cold Blast Feather Company. 197,961; Apr. 28; Serial No. 185,814; published Feb. 10, 1925.

CLASS 34.

Burners, oil-burning sets, and oil and gas ranges, Oil. W. S. Ray Manufacturing Co. 197,995; Apr. 28; Serial No. 205,089; published Feb. 3, 1925.
Chimney cowls and ventilator caps for air shafts and like devices. Globe Ventilator Co. 26,262; renewed Mar. 19, 1925.
Gas-mantles. Buschman Weissberg & Co. 197,861; Apr. 28; Serial No. 206,106; published Feb. 10, 1925.
Stovepipe. Wheeling Corrugating Company. 197,926; Apr. 28; Serial No. 167,497; published Feb. 10, 1925.
Stoves, Household oil and gas cook. American Gas Machine Company. 198,062; Apr. 28.
Torches, tallow pots, or oil pots. Eagle Manufacturing Company. 197,915; Apr. 28; Serial No. 188,953; published Feb. 10, 1925.

CLASS 35.

Tire casings, Pneumatic. Corduroy Tire Company. 198,054; Apr. 28.
Tires, Resilient vehicle. Kelly-Springfield Tire Company. 198,021; Apr. 28; Serial No. 206,579; published Feb. 10, 1925.

CLASS 36.

Piano players and self-playing pianos. Autopiano Company. 45,408–9; renewed Aug. 15, 1925.
Pianos. Cable Company. 46,482; renewed Sept. 19, 1925.

CLASS 37.

Paperboard. Menasha Printing and Carton Company. 197,867; Apr. 28; Serial No. 206,321; published Feb. 10, 1925.
Paper, Stained-glass. C. G. Keferstein. 197,906; Apr. 28; Serial No. 206,970; published Feb. 10, 1925.
Paper, Wrapping. Springfield Glazed Paper Company. 197,818; Apr. 28; Serial No. 206,981; published Feb. 10, 1925.
Paper, Writing. Combe Printing Co. 197,956; Apr. 28; Serial No. 197,135; published Feb. 10, 1925.
Pens and pencils, Fountain. Julius Schmid, Inc. 197,846; Apr. 28; Serial No. 206,640; published Feb. 10, 1925.

CLASS 38.

House organ. Sam T. Greene & Company. 197,850; Apr. 28; Serial No. 205,826; published Feb. 3, 1925.
Journal, Monthly trade. Practical Publications, Inc. 197,988; Apr. 28; Serial No. 205,778; published Feb. 10, 1925.
Magazine, Monthly. S. O'Leary. 198,003; Apr. 28; Serial No. 204,188; published Feb. 10, 1925.
Periodicals. Orange Judd Company. 46,136; renewed Sept. 5, 1925.
Publication, Monthly. Popular Radio, Inc. 197,854; Apr. 28; Serial No. 205,947; published Feb. 10, 1925.
Publication, Weekly. Billboard Publishing Company. 197,993; Apr. 28; Serial No. 205,261; published Feb. 10, 1925.
Transparent covered cards, printed signs, and pictures. Bewtex Products Corporation. 197,962; Apr. 28; Serial No. 181,721; published Feb. 10, 1925.

CLASS 39.

Boots and shoes. Index Shoe Company. 197,943; Apr. 28; Serial No. 201,810; published Feb. 3, 1925.
Dresses, coats, cloaks, and suits, Ladies'. Grayce de Vyne Modes, Inc. 198,004; Apr. 28; Serial No. 203,879; published Jan 27, 1925.
Frocks, gowns, and dresses. F. Schneider. 197,960; Apr. 28; Serial No. 169,034; published July 22, 1924.

Hosiery. Holeproof Hosiery Co. 197,981; Apr. 28; Serial No. 205,335; published Feb. 3, 1925.
Hosiery. Pennsylvania Silk Hosiery Mills, Inc. 197,838; Apr. 28; Serial No. 206,746; published Feb. 3, 1925.
Overalls. Globe Overall Co. 198,014; Apr. 28; Serial No. 206,778; published Feb. 3, 1925.
Suits and topcoats, Men's. Simon Ackerman Clothes, Inc. 197,887; Apr. 28; Serial No. 204,884; published Jan. 27, 1925.
Suits, coats, trousers, and overcoats, and women's coats, outer skirts, and knickers, Men's. J. L. Nemecek. 198,006; Apr. 28; Serial No. 202,883; published Feb. 3, 1925.

CLASS 40.

Braid and narrow elastic webbing, Narrow. W. L. M. Clark, Inc. 198,028; Apr. 28.
Combs, hairpins, hair buckles, and clasps. New-York Hamburger Gummi-Waaren Compagnie. 197,949; Apr. 28; Serial No. 201,006; published Feb. 10, 1925.
Combs, hairpins, hair buckles, and hair clasps. New-York Hamburger Gummi-Waaren Compagnie. 197,994; Apr. 28; Serial No. 206,128; published Feb. 10, 1925.
Embroidery medallions. A. L. Bergman. 197,957; Apr. 28; Serial No. 196,648; published Feb. 10, 1925.
Hair goods. S. Glemby's Sons Co. 197,866; Apr. 28; Serial No. 206,291; published Feb. 10, 1925.

CLASS 42.

Cloths and stuffs. Joseph Hoyle & Son, Limited. 198,009; Apr. 28; Serial No. 206,896; published Feb. 10, 1925.
Cotton and cotton and silk fabrics. Wm. Anderson Textile Mfg. Co. 197,895; Apr. 28; Serial No. 207,222; published Feb. 10, 1925.
Cotton, cotton and silk, etc., piece goods. E. H. Behrens & Co. 197,897; Apr. 28; Serial No. 207,172; published Feb. 10, 1925.
Cotton, cotton and silk, etc., piece goods. E. H. Behrens & Co. 197,905; Apr. 28; Serial No. 206,990; published Feb. 10, 1925.
Cotton piece goods. Hill Manufacturing Company. 198,035; Apr. 28.
Cotton piece goods. Lowe Mfg. Co. 197,980; Apr. 28; Serial No. 205,338; published Feb. 10, 1925.
Cotton piece goods. Pacific Mills. 197,902; Apr. 28; Serial No. 207,093; published Feb. 10, 1925.
Cotton piece goods. J. L. Stifel & Sons. 197,885; Apr. 28; Serial No. 204,841; published Feb. 10, 1925.
Cotton, silk, and linen piece goods and mixtures of same. Jacob Miller's Sons Co. 197,942; Apr. 28; Serial No. 198,415; published Feb. 10, 1925.
Dress goods, cloakings, and goods for men's wear. Cravenette Company, Limited. 26,398; renewed Apr. 16, 1925.
Duck, Cotton. Hunter Manufacturing & Commission Company. 198,008; Apr. 28; Serial No. 206,899; published Feb. 10, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 198,012; Apr. 28; Serial No. 206,822; published Feb. 10, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 198,016; Apr. 28; Serial No. 206,718; published Feb. 10, 1925.
Hair nets. Bonnie-B Co. 198,033; Apr. 28.
Knitted fabric. Cohen, Goldman & Co. 197,872; Apr. 28; Serial No. 202,489; published Feb. 10, 1925.
Piece goods. Haas Brothers Fabrics Corporation. 198,058; Apr. 28.
Pile fabrics in the piece. Sidney Blumenthal & Co. 197,894; Apr. 28; Serial No. 207,227; published Feb. 10, 1925.
Shirtings and handkerchiefs. A. Sulka & Company. 198,057; Apr. 28.
Silk, Bolting. A. P. Traber. 197,898–9; Apr. 28; Serial Nos. 207,155–6; published Feb. 10, 1925.
Silk goods in the piece. I. Sachs & Sons. 197,947; Apr. 28; Serial No. 194,025; published Feb. 10, 1925.
Silk knitted fabric, Artificial. N. Halperin. 197,937; Apr. 28; Serial No. 199,941; published Feb. 10, 1925.
Textile fabrics. Oriental Silk Printing Company. 198,018; Apr. 28; Serial No. 206,680; published Feb. 10, 1925.
Wool piece goods. Walther Manufacturing Co. 197,904; Apr. 28; Serial No. 207,038; published Feb. 10, 1925.
Woolen piece goods. Worumbo Manufacturing Company. 197,893; Apr. 28; Serial No. 207,483; published Feb. 10, 1925.
Worsted and woolen textile fabrics. Holden-Leonard Co. 198,051; Apr. 28.
Worsted, woolen, etc., fabrics. Walther Manufacturing Co. 197,903; Apr. 28; Serial No. 207,047; published Feb. 10, 1925.
Worsted, woolen, etc., fabrics in the piece. Walther Manufacturing Co. 197,890–2; Apr. 28; Serial Nos. 207,585–7; published Feb. 10, 1925.
Worsted, woolen, etc., piece goods. Walther Manufacturing Co. 197,819; Apr. 28; Serial No. 207,044; published Feb. 10, 1925.

CLASS 45.

Yarn of or containing cotton. Shenandoa Cotton Co. of Utica, N. Y. 197,916; Apr. 28; Serial No. 188,615; published Feb. 10, 1925.

CLASS 45.

Beverage. Berghof Products Company. 198,030–2; Apr. 28.
Beverages and sirups for making same, and carbonated water. A. Westphal. 197,842; Apr. 28; Serial No. 206,707; published Feb. 10, 1925.
Carbonated water. A. Westphal. 197,841; Apr. 28; Serial No. 206,710; published Feb. 10, 1925.
Ginger ale and root beer. John Sexton and Company. 197,829; Apr. 28; Serial No. 207,596; published Feb. 10, 1925.
Mineral water. Ozone Co. 197,913; Apr. 28; Serial No. 190,428; published Feb. 17, 1925.

CLASS 46.

Apples, Fresh. C. W. Kimball. 197,863; Apr. 28; Serial No. 206,172; published Feb. 10, 1925.
Bacon, hams, and beef tongues. Van Wagenen and Schickhaus Company. 197,959; Apr. 28; Serial No. 193,868; published Feb. 10, 1925.
Beans, Dried. Saginaw Milling Company. 197,862; Apr. 28; Serial No. 206,130; published Feb. 10, 1925.
Butter. A. O. Karlen. 197,816; Apr. 28; Serial No. 206,904; published Feb. 10, 1925.
Buttermilk, Dried. Schlosser Brothers. 197,847; Apr. 28; Serial No. 206,544; published Feb. 10, 1925.
Cakes, bread, rolls, etc. Grennan Cake Corporation. 197,931; Apr. 28; Serial No. 201,842; published Feb. 10, 1925.
Candy. Buck & Rayner. 198,029; Apr. 28.
Candy. Chandler and Rudd Company. 46,278; renewed Sept. 12, 1925.
Candy. A. B. Mewhinney Co. 197,824; Apr. 28; Serial No. 207,392; published Feb. 10, 1925.
Candy. National Candy Company. 197,870; Apr. 28; Serial No. 202,352; published Feb. 10, 1925.
Candy. Peter Paul Candy Manufacturing Company. 197,884; Apr. 28; Serial No. 204,723; published Feb. 10, 1925.
Candy. J. S. Phalen. 197,878; Apr. 28; Serial No. 203,971; published Dec. 9, 1925.
Candy. Smaklets Company. 197,901. Apr. 28; Serial No. 207,103; published Feb. 17, 1925.
Candy. Sweet-Plus, Inc. 197,849; Apr. 28; Serial No. 205,797; published Feb. 10, 1925.
Candy. Stephen F. Whitman & Son, Inc. 197,825; Apr. 28; Serial No. 207,429; published Feb. 10, 1925.
Candy, mints, candy bars, glacéd fruit, etc. I. P. Wheaton. 198,042; Apr. 28.
Canned and preserved fruits, fruit preserves, jellies, marmalades, and fruit pastes. Hornbrook & Gist. 197,826; Apr. 28; Serial No. 207,461; published Feb. 10, 1925.
Canned concentrated tomato paste, canned beans, etc. P. Baratta. 197,965; Apr. 28; Serial No. 173,781; published Feb. 10, 1925.
Canned fish, fish pastes, and meat pastes. Shields Ice & Cold Storage Co. 198,045; Apr. 28.
Canned goods, chili sauce, catchup, etc. Haas-Lieber Grocery Company. 197,918; Apr. 28; Serial No. 187,461; published Feb. 17, 1925.
Canned goods, tea, coffee, etc. Pacific Wholesale Grocery Co. 197,958; Apr. 28; Serial No. 196,134; published July 22, 1924.
Canned jellies and marmalades. B. & W. Home Products Co. 198,001; Apr. 28; Serial No. 204,540; published Feb. 10, 1925.
Canned or preserved foods. Angus Watson & Company Limited. 197,925; Apr. 28; Serial No. 170,317; published Feb. 10, 1925.
Canned peas and corn. Keene-Belvidere Canning Company. 197,952; Apr. 28; Serial No. 199,359; published Feb. 10, 1925.
Canned vegetables. East Pembroke Canning Co. 197,933; Apr. 28; Serial No. 201,897; published Feb. 17, 1925.
Cantaloupes and grapes. Alamo Packing Company. 197,967; Apr. 28; Serial No. 137,299; published Feb. 10, 1925.
Cheese. United Cheese Importers, Inc. 197,930; Apr. 28; Serial No. 201,867; published Feb. 10, 1925.
Cheese, Cottage. Dairy Marketing Association of Fort Wayne. 197,978; Apr. 28; Serial No. 205,911; published Feb. 10, 1925.
Chocolate. Suchard, S. A. 197,880; Apr. 28; Serial No. 204,261; published Feb. 17, 1925.
Chocolate bar. Crystal Candy Company. 197,907; Apr. 28; Serial No. 206,946; published Feb. 17, 1925.
Chocolates and candies. C. Gousset. 46,262; renewed Sept. 12, 1925.
Coffee, tea, spices, etc. Page Coffee Company. 197,978; Apr. 28; Serial No. 205,546; published Feb. 17, 1925.
Coffees and teas. S. D. Cangios. 197,919; Apr. 28; Serial No. 186,870; published Feb. 10, 1925.
Confectionery. O. W. Budd. 197,869; Apr. 28; Serial No. 202,049; published Feb. 17, 1925.
Dried fruits, canned and dried vegetables. United States Products Corporation. 197,927; Apr. 28; Serial No. 166,330; published June 24, 1924.
Feed, Horse, mule and hen. Western Grain Company. 197,886; Apr. 28; Serial No. 204,879; published Feb. 10, 1925.
Feed, Stock. J. S. Gordon. 198,022; Apr. 28; Serial No. 206,572; published Feb. 10, 1925.

Flour, and particularly self-rising flour, Wheat. Ballard & Ballard Co. 197,940; Apr. 28; Serial No. 198,784; published Feb. 10, 1925.
Flour, farina, and dairy feed. Kennewick Flour Mills Company. 197,877; Apr. 28; Serial No. 203,956; published Feb. 10, 1925.
Flour, Self-rising. Mero Mills. 197,928; Apr. 28; Serial No. 147,632; published Feb. 10, 1925.
Flour, Self-rising wheat. Brandon Mill & Elevator Company. 197,888; Apr. 28; Serial No. 204,890; published Feb. 10, 1925.
Flour, Wame. W. F. Cook. 198,020; Apr. 28; Serial No. 206,658; published Feb. 10, 1925.
Flour, Wheat. Ballard & Ballard Co. 197,941; Apr. 28; Serial No. 198,783; published Feb. 10, 1925.
Flour, Wheat. H. P. Hoyt. 197,879; Apr. 28; Serial No. 204,031; published Feb. 10, 1925.
Flour, Wheat. White Satin Sugar Company. 197,876; Apr. 28; Serial No. 203,771; published Feb. 10, 1925.
Food for birds. Spratt's Patent (America) Limited. 197,830; Apr. 28; Serial No. 206,862; published Feb. 10, 1925.
Foods for infants and invalids, Prepared. Societe l'Aliment Essentiel. 198,013; Apr. 28; Serial No. 206,809; published Feb. 10, 1925.
Fruits. E. W. Wiggins. 198,000; Apr. 28; Serial No. 204,740; published Feb. 10, 1925.
Fruits and vegetables, Citrous. Gentile Bros. Company. 197,972; Apr. 28; Serial No. 205,919; published Feb. 10, 1925.
Fruits, oranges, grapefruit, and tangerines, Fresh. Independent Fruit Growers, Inc. 197,857; Apr. 28; Serial No. 206,004; published Feb. 10, 1925.
Grapes and cherries, Fresh. C. R. Van Buskirk. 198,030; Apr. 28.
Gum, Chewing. American Chicle Company. 197,943; Apr. 28; Serial No. 196,947; published Jan. 13, 1925.
Herring, Preserved. Andrew Bremner & Company Limited. 197,900; Apr. 28; Serial No. 207,122; published Feb. 17, 1925.
Ice-cream sundaes. D. E. Kadison. 197,950; Apr. 28; Serial No. 200,886; published Feb. 3, 1925.
Malt extract. Bielek Mfg. Co. 197,848; Apr. 28; Serial No. 206,511; published Feb. 10, 1925.
Maple extract, Imitation. Joseph Middleby, Jr., Inc. 197,986; Apr. 29; Serial No. 204,924; published Feb. 10, 1925.
Meat meal, meat scraps, blood meal, etc. E. Rauh & Sons Fertilizer Company. 197,921; Apr. 28; Serial No. 184,760; published Feb. 19, 1924.
Milk, Evaporated. F. W. Underwood. 197,883; Apr. 28; Serial No. 204,640; published Feb. 17, 1925.
Mincemeat, rice, canned oysters, blended coffee, etc. Minnesota Mercantile Co. 197,936; Apr. 28; Serial No. 200,573; published Feb. 10, 1925.
Molasses. Boston Molasses Co. 46,419; renewed Sept. 19, 1925.
Nuts, walnuts, filberts, etc., Brazil. Hills Brothers Company. 197,873; Apr. 28; Serial No. 202,966; published Feb. 17, 1925.
Oil, Coconut. Vegetable Oil Corporation. 197,912; Apr. 28; Serial No. 201,602; published Feb. 10, 1925.
Oleomargarine. Swift and Company. 197,817; Apr. 28; Serial No. 206,926; published Feb. 10, 1925.
Oranges, lemons, and grapefruit. Mutual Orange Distributors. 197,823; Apr. 28; Serial No. 207,199; published Feb. 10, 1925.
Peaches, Fresh. J. W. C. Bell, jr. 198,039; Apr. 28.
Peanuts, stock feed, canned blackberries, etc., Shelled. Alex Woldert Company. 197,909; Apr. 28; Serial No. 193,646; published Feb. 10, 1925.
Pears, Fresh. M. B. Mason. 198,044; Apr. 28.
Potatoes. Mack Bouchard & Son. 197,934; Apr. 28; Serial No. 201,389; published Oct. 14, 1924.
Sardines, sprats, anchovies, etc., preserved in oil, in tomato, pickled, salted, smoked, or unsmoked. Massó Hermanos. 197,960; Apr. 28; Serial No. 191,962; published Feb. 10, 1925.
Sauce. R. C. Roberts. 197,929; Apr. 28; Serial No. 201,935; published Feb. 10, 1925.
Sausage and ham. Armour and Company. 197,938; Apr. 28; Serial No. 199,816; published Feb. 17, 1925.
Sirup, Sugar. American Burtonizing Company and Wallerstein Laboratories. 197,917; Apr. 28; Serial No. 188,397; published Feb. 17, 1925.
Tea and coffee. Federal Tea Company. 198,023; Apr. 28; Serial No. 206,567; published Feb. 17, 1925.
Tea and coffee. R. H. Macy & Co. 197,990; Apr. 28; Serial No. 205,073; published Feb. 10, 1925.
Vegetables, Canned. Hudson & Company. 198,040; Apr. 28.
Walnuts. Bennett Day Importing Company. 197,889; Apr. 28; Serial No. 207,846; published Feb. 17, 1925.

CLASS 47.

Wine or champagne, Sparkling. Urbana Wine Company. 46,011; renewed Sept. 5, 1925.

CLASS 50.

Bottles, Caps for milk. Purity Milk Cap Co. 197,974; Apr. 28; Serial No. 205,889; published Feb. 10, 1925.
Insignia buttons and ornaments. N. S. Meyer, Inc. 197,910; Apr. 28; Serial No. 193,345; published Feb. 17, 1925.
Rubberized textile fabrics. Archer Strauss Rubber Company. 197,881; Apr. 28; Serial No. 204,433; published Feb. 10, 1925.
Signboards, Advertising. Alliance Advertising Company. 197,984; Apr. 28; Serial No. 205,189; published Feb. 10, 1925.
Tents and awnings, piano covers, flags, etc. Colorado Tent and Awning Company. 198,038; Apr. 28.

ALPHABETICAL LIST OF LABELS.

Cross Word Puzzle Composition Book. For Composition Books. White & Wyckoff Mfg. Co. 28,629; Apr. 28.
Cross Word Puzzle Pad. For Pads. White & Wyckoff Mfg. Co. 28,631; Apr. 28.
Cross Word Puzzle Pencil Tablet. For Pencil Tablets. White & Wyckoff Mfg. Co. 28,630; Apr. 28.
Gimme More. For Candy. W. E. Humphrey Co. 28,622; Apr. 28.
Grip Tube Patch. For Rubber-Tube Patches. R. M. Sutton. 28,627; Apr. 28.
Lipton's Tea. For Tea. Thomas J. Lipton, Inc. 28,624–6; Apr. 28.
Sherry Wine Seasoning. For Sherry-Wine Seasoning. California Wine Grape Products, Inc. 28,621; Apr. 28.
Tryabox Chocolates. For Candy. W. E. Humphrey Co. 28,623; Apr. 28.
White King Tube Patch. For Rubber-Tube Patches. R. M. Sutton. 28,628; Apr. 28.

ALPHABETICAL LIST OF PRINTS.

For Safe Winter Driving Good (wingfoot) Year Balloons. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 7,916; Apr. 28.
Good—wingfoot—Year Balloons Etc. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 7,917; Apr. 28.
Good (wingfoot) Year No-Draft Mats for Fords. For No-Draft Mats. Goodyear Tire & Rubber Company. 7,915; Apr. 28.
Trade In Your Old Tires—On Good—Wingfoot—Year Balloons. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 7,918; Apr. 28.
Wonder. For Men's Clothing and Furnishing Goods. C. E. Woodward. 7,919; Apr. 28.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Blue Diamond Virginia Coal Co. 210,339; Apr. 28.
Coal. Gibraltar Coal Mining Co. 209,212; Apr. 28.
Coal. Southern Coal & Coke Company. 208,878; Apr. 28.
Leather. Fred Rueping Leather Company. 192,092; Apr. 28.
Nitrocellulose. Hercules Powder Company. 210,122–8; Apr. 28.

CLASS 2.

Caskets, casket containers, and septic tanks. G. E. Davison. 209,336; Apr. 28.
Cloth urn bags for coffee urns. National Urn Bag Co. 207,252; Apr. 28.

CLASS 4.

Oilstones, hones, whetstones, etc. Norton Company. 198,151; Apr. 28.
Shaving stick, razor strops and hones, and soaps. L. A. Olmsted. 170,688; Apr. 28.
Soap. Lever Brothers Company. 210,967; Apr. 28.
Soap, Liquid. Emmert Soap Company. 210,884; Apr. 28.
Soap, Powdered toilet. North American Dye Corporation. 210,919; Apr. 28.
Soaps. Franklin Simon & Co. 208,751; Apr. 28.
Soaps, etc. J. R. Watkins Company. 210,150; Apr. 28.
Soaps, Laundry. Palmolive Company. 210,138; Apr. 28.

CLASS 6.

Acetaldehyde and its polymers, aldol, acetic acid, etc. Shawinigan Products Corporation. 211,130; Apr. 28.
Albuminates, albumoses, and dissolutions of said substances. E. Weidner. 202,786; Apr. 28.
Anaesthetics. H. E. East. 211,342; Apr. 28.
Antiseptic and sterilizing solution. Dawson Chemical Company. 211,158; Apr. 28.
Calcium carbide. Shawinigan Products Corporation. 211,128; Apr. 28.
Carbon dioxide (CO_2). Dryice Corporation of America. 211,340; Apr. 28.
Chemical composition for paper coating, etc. Charles Moore & Company Limited. 205,079; Apr. 28.
Cough sirup. E. C. De Witt & Co. 204,504; Apr. 28.
Cream and hairdressing pomade, Cold. J. A. Martin. 209,854; Apr. 28.
Creosote wood preservatives. Tar Products Corporation. 211,308; Apr. 28.
Dandelion-killing compound. Rowe & Rowe. 211,294; Apr. 28.
Dental powder. M. Parisi. 211,374; Apr. 28.
Disinfectants and insecticides. Tar Products Corporation. 211,305; Apr. 28.
Dyes. Wm. Edge & Sons Limited. 209,628; Apr. 28.
Facial pack, facial cream, dentifrice, and nail polish. Inna Products Corp. 211,215; Apr. 28.
Foot powder and corn remedy. Mote & Mote. 205,281; Apr. 28.
Gum for printing textile fabrics. Onyx Oil & Chemical Co. 209,544; Apr. 28.
Hairdressing. Alexandria Laboratories. 199,948; Apr. 28.
Insect fluid. C. Whitmore. 211,194; Apr. 28.
Insect powder. W. L. Hamilton. 211,166; Apr. 28.
Insecticide. Brewer & Company. 209,768; Apr. 28.
Insecticides. J. D. Landes. 211,278; Apr. 28.
Insecticides. Wooton Insecticide Company. 209,714; Apr. 28.
Liniment. J. W. Bowden and Son. 210,843; Apr. 28.
Lotion, chafing powder, diarrhea mixture, general tonic, etc., Teething. Hand Medicine Company. 210,551; Apr. 28.
Lotions, Skin. C. H. Clark. 209,630; Apr. 28.
Medicinal preparation for goiter and ointment for piles. M. Murphy. 200,272; Apr. 28.
Medicinal preparation for pulmonary diseases, etc. Nestor Drug and Chemical Company. 210,078; Apr. 28.
Medicinal preparation for treatment of coughs, colds, etc. H. Russell. 211,126; Apr. 28.
Medicinal preparation used in the treatment of constipation. C. E. Gause, sr. 211,168; Apr. 28.
Medicinal preparations for treating gall and liver diseases, gallstone specifics. A. Boehringer. 202,761; Apr. 28.
Medicinal preparations, ointment, and hair tonic. M. Murphy. 200,273; Apr. 28.
Medicine for indigestion. C. Brown. 211,163; Apr. 28.
Medicine for the treatment of rheumatism, sprains, etc. J. C. Weinsheimer. 210,637; Apr. 28.
Medicine, Uterine hemostatic. Winthrop Chemical Company. 210,770; Apr. 28.
Medicines for headache, influenza, etc., and hair lotions and oil and dentifrices. Internationale Laboratorien Arlesheim A. G. 205,830; Apr. 28.
Medicines for treatment of dogs' distemper. Internationale Laboratorien Arlesheim A. G. 205,831; Apr. 28.
Mineral water. G. Fransen. 209,909; Apr. 28.
Oil, Concentrates of cod-liver. H. A. Metz. 210,246; Apr. 28.
Ointment preparation for stubborn hair, chill tonic, etc. J. P. Miller. 192,985; Apr. 28.
Perfume, shampoo preparation, face powder, etc. Pow Wow Mfg. Co. 208,869. Apr. 28.
Perfume, toilet water, face powder, face creams, etc. Paul Prot & Cie. 209,693–5; Apr. 28.
Perfumes, toilet water, face powder, etc. H. F. Valentin. 209,823; Apr. 28.
Perfumes, toilet waters, face powders, compacts, etc. Parfumerie Rigaud, Inc. 210,979; Apr. 28.
Perfumes, toilet waters, talcum powder, rouges, etc. Parfumerie Molinard Jeune. 205,132; Apr. 28.
Petrolatum, Liquid. Parke, Davis & Company. 211,119; Apr. 28.
Pigments for use in the rubber industry, Black. Binney & Smith Company. 210,523; Apr. 28.
Pomade, Hair. E. A. Heitkamp. 210,298; Apr. 28.
Powder, Face. F. N. Lewis. 208,470; Apr. 28.
Preparation for the treatment of diseases of the liver. C. F. Simmons Medicine Co. 210,017; Apr. 28.
Preparation to prevent discharge from the mucous membrane. Burns-McCorkle Remedy Co. 210,344; Apr. 28.
Salts, Bath. Coty, Inc. 211,332; Apr. 28.
Salves for the treatment of sores, burns, scalds, cuts, etc. S. O. Miller. 211,238; Apr. 28.
Shampoo. A. J. Krank. 192,704; Apr. 28.
Suppositories. J. P. McGill. 194,652; Apr. 28.
Water softener, and bath perfume. Pompeian Mfg. Company. 211,292; Apr. 28.

CLASS 9.

Guns. Baker & Kimball, Inc. 209,195; Apr. 28.
Matches, Safety. E. Pohl. 206,802; Apr. 28.

CLASS 12.

Asphalt. Gilmore Oil Company. 207,502; Apr. 28.
Calcium hydrate and calcium hydrate with added substances. Prest-O-Lite Company Inc. 207,798–801; Apr. 28.
Doors for shower stalls. New Progress Co. 208,862; Apr. 28.
Lime and cement. Societe Anonyme des Chaux et Ciments de Lafarge et du Teil. 195,656; Apr. 28.
Partitions, doors, wood molding, and wood trim. Improved Office Partition Company. 206,526; Apr. 28.
Roofing compounds, Liquid or plastic bituminous. Warren-Ehret Company. 208,082; Apr. 28.
Roofing felt and tarred roofing paper. New England Felt Roofing Works. 209,542–3; Apr. 28.
Roofing saturated and coated with an elastic waterproof compound, Prepared. Paramine Companies, Inc. 208,192; Apr. 28.
Shingles. C. E. Putman. 208,677; Apr. 28.

CLASS 13.

Enamel ware comprising cups, saucers, plates, etc. Bing Werke, vorm. Gebrüder Bing A. G. Nürnberg. 206,768; Apr. 28.
Suction-cup hooks on which small light-weight articles are adapted to be hung. H. Wallace. 206,099; Apr. 28.
Valves, Well. Clayton Mark & Company. 208,860; Apr. 28.

CLASS 14.

Machine parts, Die-cast. General Die Casting & Machine Co. 194,793; Apr. 28.

CLASS 15.

Gasoline. Peoples Oil Co. 209,688; Apr. 28.
Grease, Lubricating. Tide Water Oil Company. 205,898; Apr. 28.
Oil, Lubricating. W. H. Barber Company. 209,717; Apr. 28.
Oil, Lubricating. E. F. Penny. 187,343; Apr. 28.
Oils, gasoline, kerosene, and road oil, Lubricating. Campeco Oil Company. 209,384; Apr. 28.
Oils, Lubricating. Merchants Oil Company. 199,379; Apr. 28.
Oils, Lubricating. Tide Water Oil Company. 210,934; Apr. 28.
Petroleum products. Schock Independent Oil Company. 208,761; Apr. 28.

CLASS 16.

Carbon black. Texas Carbon Industries, Inc. 206,139; Apr. 28.
Lacquer, Pigmented pyroxylin coating. Beckwith-Chandler Company. 210,440; Apr. 28.
Paint. M. Zuckerman. 209,826; Apr. 28.
Paint and enamels, Ready-mixed. Boydell Bros. White Lead & Color Co. 207,490; Apr. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Paint or liquid coating. Liverpool Borax Co. Ltd. 194,720; Apr. 28.
Paint, Ready-mixed. L. H. Westerman. 209,326; Apr. 28.
Paints. Paragon Paint & Varnish Corporation. 210,978; Apr. 28.
Paints, varnish stains, and paint enamels. Progress Paint Mfg. Co. 209,815; Apr. 28.
Polish, Automobile. Frank A. Busse Sales Co. 205,739; Apr. 28.
Preparation for polishing and preserving automobile bodies, etc. Girard & Co. 210,380; Apr. 28.

CLASS 19.

Automobiles, Spring cushions for. Arch Cushion Corporation. 208,737; Apr. 28.
Trucks, Motor. Victor Motors, Inc. 192,458; Apr. 28.

CLASS 21.

Batteries, Storage. Blit Well Products Co. 210,158; Apr. 28.
Electric-light carbons. National Carbon Company. 209,934; Apr. 28.
Radio loud speakers. Sterling Cabinet Works, Inc. 210,319; Apr. 28.
Radio receiving sets and component parts thereof assembled. R. C. Loock. 210,178; Apr. 28.
Transformers. All-American Radio Corporation. 210,209; Apr. 28.
Vacuum cleaners, Electric. Steinfeld, Inc. 210,510; Apr. 28.

CLASS 22.

Dolls. Averill Manufacturing Corporation of New York. 211,147–8; Apr. 28.
Game, Cross-word puzzle. Crossword Games, Inc. 209,387; Apr. 28.
Game, Table. M. Carlton Dank & Co. 209,772; Apr. 28.
Game, Table. A. B. Rand. 210,080; Apr. 28.
Golf tees. Golfers' Supply Company. 208,235; Apr. 28.

CLASS 23.

Clippers and parts thereof, Hair. Adolph Kastor & Bros. 211,109; Apr. 28.
Cranes, hoists, etc. Harnischfeger Corporation. 208,982; Apr. 28.
Engine intake manifolds, Gas savers for. Herbert and Herbert. 210,121; Apr. 28.
Engines, Gas. Maniscalco New Power System Company. 208,853; Apr. 28.
Handles for shovels, etc., Handle tops for D. American Fork & Hoe Company. 199,740; Apr. 28.
Looms. B. T. Steber. 210,691; Apr. 28.
Machine and tool manufactures for sewing-machine industry and iron foundries. Kochs Adlernähmaschinen-Werke A. G. 201,502; Apr. 28.
Miter boxes, chisels, screw drivers, etc. Union Hardware Company. 210,987; Apr. 28.
Potato-chip-making machines. Tater-Flakes Company. 209,506; Apr. 28.
Shovels, excavating machinery, dredges, etc., Power. Bucyrus Company. 205,314; Apr. 28.
Staffs, floor scrapers, litter and feed carriers, etc., Bull. Hunt, Helm, Ferris & Co. 210,963; Apr. 28.
Steam engines. J. S. Schofield's Sons Co. 207,408; Apr. 28.
Stereotypes, Devices for making. Bonnet-Brown Corporation. 208,895; Apr. 28.
Tool handles, Wooden. Turner, Day & Woolworth Handle Company. 210,095; Apr. 28.

CLASS 26.

Fare indicators. Kienzle Uhrenfabriken A.-G. 193,464; Apr. 28.
Gauges, Liquid. Boston Auto Gage Company. 209,381; Apr. 28.
Hydrometers and measuring instruments. Canadian Industrial Alcohol Company. 207,849; Apr. 28.
Ophthalmic mountings. Optical Products Corporation. 209,314; Apr. 28.
Picture films and text slides, Text motion-. Timely Films, Inc. 138,881; Apr. 28.

CLASS 27.

Watches. Gruen Watch Company. 188,902; Apr. 28.
Watches and watch movements. Adolphe Schwob, Inc. 210,409–10; Apr. 28.

CLASS 29.

Brooms. American Broom and Brush Co. 209,893; Apr. 28.

CLASS 32.

Chair backs. G. F. Greene Co. 197,430; Apr. 28.
Furniture, Nursery. United Basket and Nursery Furniture Mfg. Co. 191,928; Apr. 28.
Upholstery, stuffing, and filling materials. Boston Excelsior Company. 199,520; Apr. 28.
Welting or edging. A. Hoenigsberger. 208,465; Apr. 28.

CLASS 34.

Lamps and lanterns, Gasoline. Coleman Lamp Company. 206,219; Apr. 28.

CLASS 35.

Cord and belting, Round leather. E. F. Houghton & Co. 209,344; Apr. 28.
Tires, Vehicle. Beacon Tire & Rubber Corporation. 194,323–5; Apr. 28.

CLASS 37.

Paper in bulk, Wrapping. Universal Paper Company. 207,421; Apr. 28.
Toilet paper, paper towels, paper napkins. Adirondack Tissue Paper Co. 206,342; Apr. 28.

CLASS 38.

Magazine articles. Leslie-Judge Company. 210,911; Apr. 28.
Publications. Conde Nast Publications, Inc. 206,157–8; Apr. 28.

CLASS 39.

Aprons, Carpenter. Allied Belting Company. 203,926; Apr. 28.
Aprons, children's bibs, scarfs, and bathing caps, Rubber and fabric. Vernart Manufacturing Corporation. 210,333; Apr. 28.
Boot and shoe welting. P. E. Barbour. 209,962; Apr. 28.
Brassières and girdles. L. Glass. 210,114; Apr. 28.
Clothing, Men's and women's. Wheeler's, Incorporated. 189,435; Apr. 28.
Collar and cuff sets, scarfs, blouses, and sweaters, Ladies'. Meister Bros. & Co. 208,769; Apr. 28.
Collars. Cluett, Peabody & Co. 210,276; Apr. 28.
Collars. Cluett, Peabody & Co. 210,281–2; Apr. 28.
Collars. Cluett, Peabody & Co. 210,285; Apr. 28.
Collars. Cluett, Peabody & Co. 210,351–3; Apr. 28.
Collars. Cluett, Peabody & Co. 210,357; Apr. 28.
Collars. Cluett, Peabody & Co. 210,359; Apr. 28.
Collars. Cluett, Peabody & Co. 210,361–2; Apr. 28.
Collars, pyjamas, night robes, underwear, and shirts. H. Berger. 209,764–6; Apr. 28.
Corsets and belts, ladies' shirts and blouses. Chas. Leethem & Co. 190,300–1; Apr. 28.
Dresses, Slenderella Stout Dresses, Inc. 210,318; Apr. 28.
Dresses and coats. Janalene, Incorporated. 210,060; Apr. 28.
Dresses, coats, overcoats, suits, silk and knitted hosiery, leather and fabric gloves, hats, and sweaters, Girls' and misses'. M. Geria & Son. 191,012–13; Apr. 28.
Dry goods. Shepard Norwell Company. 208,725; Apr. 28.
Garters. Max Kaufman and Sons. 206,358; Apr. 28.
Gloves and hosiery. Consolidated Glove & Hosiery Corporation. 210,830; Apr. 28.
Hats for women. Chicago Bargain House. 211,080; Apr. 28.
Hats, Ladies'. G. V. C. Roblot. 208,185; Apr. 28.
Hats, Men's. Battersby & Company Limited. 210,217; Apr. 28.
Hats, Men's. W. Weinstock. 208,729; Apr. 28.
Hosiery. Blue Bird Hosiery Shop. 188,468; Apr. 28.
Hosiery. Cannon Mills, Inc. 189,964; Apr. 28.
Hosiery, Dry Goods Alliance, Inc. 197,998; Apr. 28.
Hosiery, knitted jackets, and undergarments, etc. Revere Mills, Inc. 209,587; Apr. 28.
Hosiery, knitted underwear, and sweaters. I. Kessler Commission Company. 209,854; Apr. 28.
Hosiery, undershirts, pants, combination shirt and pants, etc. T. H. Downing & Co. Limited. 206,114; Apr. 28.
Insoles and shoe linings, Leather. Albert L. Berry Leather Company. 209,964; Apr. 28.
Overalls. Bloesser-Heynemann Company. 209,027; Apr. 28.
Pants, coats, shirts, hosiery, undershirts, and drawers. Valley Wholesale Dry Goods Co. 208,325; Apr. 28.
Pants, shirts, jumpers, overalls, overall suits. MacIntyre-Fishback Mfg. Co. 208,712; Apr. 28.
Shirts. Hall, Hartwell & Co. 209,916; Apr. 28.
Shirts and play suits, Work and dress. M. Fine & Sons. 210,722; Apr. 28.
Shirts, Dress, negligee, and sport. Wachusett Shirt Co. 210,767; Apr. 28.
Shirts, underwear, overalls, work jackets, and hosiery, Work. L. Wolfson. 185,397; Apr. 28.
Shoes, Leather. Craddock-Terry Company. 210,885; Apr. 28.
Shoes, Leather. Edmonds Shoe Company. 211,086; Apr. 28.
Slips, petticoats, aprons, etc., Princess. Maxine Manufacturing Co. 210,002; Apr. 28.
Suits and topcoats. Sherman Bros. 209,368; Apr. 28.
Suits, coats, vests, and trousers. John B. Manly Company. 207,066; Apr. 28.
Suits, coats, vests, trousers, and overcoats. Cohn, Eisman & Co. 209,619; Apr. 28.
Suits, overcoats, trousers, and caps for men, and belts for personal wear. Scotch Woolen Mills. 208,874; Apr. 28.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Suits, pants, work and dress shirts, overalls. Rome Manufacturing Company. 209,001; Apr. 28.
Sweaters and sweater coats. Duofold Health Underwear Company. 210,538; Apr. 28.
Sweaters and sweater jackets. Peckham-Foreman, Inc. 209,361; Apr. 28.
Sweaters, caps, hats, infants' booties, scarfs, and shirts. Torian Brothers Company. 207,836; Apr. 28.
Trousers and ladies golf knickers, Men's. Samuel Elman Company. 209,780; Apr. 28.
Underwear garments for women, Combination. Birdsey Somers Company. 191,293; Apr. 28.
Underwear, Ladies'. A. S. Isserson. 209,792; Apr. 28.

CLASS 40.

Buckles, Ornamental clasp. Parks Bros. & Rogers, Inc. 209,056; Apr. 28.

CLASS 42.

Bedspreads, pillow shams, etc., and draperies. Margrace Mills, Inc. 192,027; Apr. 28.
Blankets and bed and crib coverings. Smith, Hogg & Co. 209,595; Apr. 28.
Blankets, Cotton. Beacon Manufacturing Company. 208,891–2; Apr. 28.
Cloth, Silk bolting. Züricher Beuteltuchfabrik A.-G. 207,432–4; Apr. 28.
Cloths and gloves, and towels, Face and washing. Grout and Company. 208,516; Apr. 28.
Cotton cloth in the piece. Elias Beiss & Co. 204,196; Apr. 28.
Cotton goods in the piece. John Hood & Co. 210,555; Apr. 28.
Cotton piece goods. B. Davidson. 209,724; Apr. 28.
Cotton piece goods. John Farnum Co. 204,957; Apr. 28.
Cotton piece goods. Osaka Orimono Kabushiki-kaisha. 186,851; Apr. 28.
Cotton piece goods. J. L. Stifel & Sons. 204,679; Apr. 28.
Cotton piece goods. J. L. Stifel & Sons. 205,963; Apr. 28.
Cotton piece goods. A. D. Straus & Co. 205,616; Apr. 28.
Cotton piece goods. Voss & Stern, Inc. 187,594; Apr. 28.
Cotton, silk, or wool and pile fabrics in the piece. Marcus Brothers. 207,674; Apr. 28.
Cotton, woolen, linen, and silk piece fabrics. David Rothschild & Co. 196,676; Apr. 28.
Crinoline linings in the piece. Narwood Bros. 194,733; Apr. 28.
Dishcloths. John A. Bidwell Company. 210,602; Apr. 28.
Fabrics, velvet, velours, and plushes, etc., Pile. Peerless Plush Manufacturing Company. 188,860; Apr. 28.
Gauze in the piece, Unmedicated white cotton. Narwood Bros. 192,725; Apr. 28.
Handkerchiefs, Linen. R. M. Carson. 210,709; Apr. 28.
Padding, Woven cotton. Tingue, Brown & Co. 211,189; Apr. 28.
Plush cloth material. Poller & Bauman. 210,685; Apr. 28.
Ribbons and chiffons, silk and imitation silk in the bolt. C. A. Kuehn. 209,410; Apr. 28.
Ribbons, materials, fabrics, knitted goods, and tricots. Naamloose Vennootschap Nederlandsche Kunstzijdefabriek. 203,138; Apr. 28.
Rugs, Textile. M. H. Rogers, Inc. 209,240; Apr. 28.
Rugs, Textile. Texart Company. 209,881; Apr. 28.
Sheeting for flat-work-ironing rolls, Flat-work. Tingue, Brown & Co. 210,867; Apr. 28.
Silk piece goods. Duplan Silk Corporation. 175,475; Apr. 28.
Silk, satin, and cotton goods in the piece. H. Rabinowitz. 210,619; Apr. 28.
Textile fabrics. Hess, Goldsmith & Co. 209,574; Apr. 28.
Textile fabrics, Knitted. Security Mills, Inc. 205,451; Apr. 28.
Towels. K. Kling. 208,408; Apr. 28.
Towels, Hand. Tosti Mfg. Co. 198,691; Apr. 28.
Wool, cotton, and silk and mixtures of the same, Piece goods of. Societe Rodier. 209,252; Apr. 28.
Woolen cloth in the piece. Herring Bros. Inc. 206,351; Apr. 28.
Woolen piece goods. Botany Worsted Mills. 210,271; Apr. 28.
Woolen piece goods. Botany Worsted Mills. 210,274; Apr. 28.
Woolen piece goods. Forstmann & Huffmann Company. 209,640; Apr. 28.
Woolen piece goods. Forstmann & Huffmann Company. 210,376–8; Apr. 28.
Woolen piece goods. Madison Woolen Co. 203,685; Apr. 28.

CLASS 43.

Thread, Linen. Barbour Flax Spinning Company. 206,653; Apr. 28.
Threads and yarns. British Celanese Limited. 203,247; Apr. 28.

CLASS 44.

Injector instruments, Medicinal. J. Dell. 207,976; Apr. 28.
Manicure sets. Northam Warren Corporation. 209,185; Apr. 28.
Medical and surgical lamps. J. J. Rekar. 207,202; Apr. 28.

CLASS 46.

Bakery goods. W. O. Wheeler. 187,274; Apr. 28.
Beef, pork, sheep, and veal carcasses and parts thereof. Agar Packing & Provision Company. 170,467; Apr. 28.
Cakes, pies, and sandwiches. Z. W. White. 201,942; Apr. 28.
Candy. Max Glick Company. 207,297; Apr. 28.
Candy. M. Soulias. 193,079; Apr. 28.
Candy, Sweets Company of America, Inc. 206,262; Apr. 28.
Canned corn. Iroquois Canning Corporation. 208,143–6; Apr. 28.
Canned corn. Iroquois Canning Corporation. 208,149; Apr. 28.
Canned pineapple. Baldwin Packers, Ltd. 203,665; Apr. 28.
Canned sardines and wheat flour. Wolff, Kirchmann & Co. 209,759; Apr. 28.
Coffee. F. Livierato. 209,795; Apr. 28.
Farm, stock, and dairy products. C. L. Freeland. 202,699; Apr. 28.
Fresh oranges. Edison Citrus Association. 205,817; Apr. 28.
Lettuce, cauliflower, and cabbage, Fresh. Zaferis Bros. & Co. 209,450; Apr. 28.
Melons, grapes, vegetables, citrous fruits, Fresh. Farmers Produce Company. 206,891; Apr. 28.
Oil, Pure salad. N. Goodman & Son. 207,867; Apr. 28.
Teas and spices. C. W. Antrim & Sons. 210,823; Apr. 28.
Walnuts and almonds. S. Fleishman. 208,340; Apr. 28.

CLASS 48.

Malt extracts. H. Altman. 208,945; Apr. 28.

CLASS 50.

Hat holders. M. S. Wilson. 208,838; Apr. 28.
Jar caps. Adams Bros. & Co. 191,247; Apr. 28.
Mattings and mats, Floor. Bennett Day Importing Company. 208,894; Apr. 28.
Rubber supporting foot pads for cabinets, etc. Taunton Rubber Company. 210,824; Apr. 28.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 28TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A/S Krystal. (See Isaachsen, Isak, assignor.)
Abraham, Cleatus J., and M. A. Norris, near Richmond, Ind. Oil-burning system. 1,535,195; Apr. 28.
Acosta, John W., and A. E. Baker, Philadelphia, Pa. Coal scuttle. 1,535,755; Apr. 28.
Acree, G. G., et al. (See Thomas, Martin E., assignor.)
Adams, Arthur, Baltimore, Md. Stump puller. 1,535,557; Apr. 28.
Adams, Frank A., assignor to G. F. Merrell, Incorporated, Rochester, N. Y. Machine support. 1,535,558; Apr. 28.
Adams, Walter S., assignor to The J. G. Brill Company, Philadelphia, Pa. Articulated car. 1,535,799; Apr. 28.
Aeromarine Plane and Motor Company. (See Boland, Joseph J., assignor.)
Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)
Aldeborgh, Erik H., assignor to C. E. Johansson, Inc., Poughkeepsie, N. Y. Gauge. 1,535,641; Apr. 28.
Alsatian Machine Works, Limited. (See Tunstall, Harry, assignor.)
Altgelt, Herman E. (See Altgelt, Rudolph J. and H. E.)
Altgelt, Herman E. (See Altgelt, R. J. and H. E., and Cunningham.)
Altgelt, Rudolph J. and H. E., assignors to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,535,887; Apr. 28.
Altgelt, Rudolph J. and H. E., assignors to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,535,888; Apr. 28.
Altgelt, Rudolph J. and H. E., and C. F. Cunningham, assignors to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,535,889; Apr. 28.
Aluminum Company of America. (See Frary, Francis C., assignor.)
Amborn, Elmer, Bangor, Wis. Poultry feeder. 1,535,890; Apr. 28.
American Aluminum Ware Co. (See Boyles, Ralph E., assignor.)
American Dressler Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)
American Fabrics Company, The. (See Hodgkins, Albert A., assignor.)
American Foundry Equipment Company, The. (See Moore, Raymond H., assignor.)
American Foundry Equipment Company, The. (See Rich, Elmer A., jr., assignor.)
American Radiator Company. (See Redpath, R. L., and Bliss, assignors.)
American Ring Company. (See Swick, Charles P., assignor.)
American Safety Device Company. (See Johnston, Frank B., assignor.)
American Smelting and Refining Company. (See Stannard, B. C., and Haffey, assignors.)
American Steel Foundries. (See Ernst, Fritz E., assignor.)
American Steel Foundries. (See Hedgcock, William C., assignor.)
American Steel Foundries. (See Jones, Ap Trevor, assignor.)
American Telephone and Telegraph Company. (See Cory, Samuel I., assignor.)
American Telephone and Telegraph Company. (See Percival, Harry S., assignor.)
American Telephone and Telegraph Company. (See Toomey, John F., assignor.)
Amies, Joseph H., Philadelphia, Pa. Preparing a cementitious composition. 1,535,445; Apr. 28.
Anderson, Charles, Astoria, N. Y. Splash-preventing attachment for motor vehicles. 1,535,444; Apr. 28.
Anderson, John E., Moline, Ill. Exerciser. 1,535,391; Apr. 28.
Anderson, Martin E., Denver, Colo. Air cleaner. 1,535,800; Apr. 28.
Anderson, Philip C., Rapid City, S. Dak. Scraper. 1,535,283; Apr. 28.
Andreini, Corrado, Grosseto, Italy. Windmill. 1,535,517; Apr. 28.
Andrews, Charles W. (See Brassert, H. A., and Andrews.)
Angle, Glenn D., Detroit, Mich. Manifold arrangement for multiple-cylinder engines. 1,535,084; Apr. 28.
Anker-Werke Aktiengesellschaft. (See Henning, Albert, assignor.)

Aptowicz, Leon, Yonkers, N. Y. Hoople toy. 1,535,144; Apr. 28.
Arbon, Paul, Tulsa, Okla. Drilling jar. 1,535,083; Apr. 28.
Archer, Thomas P. (See Edgar, F. M., and Archer.)
Armknecht, John G., Detroit, Mich. Fuel-reserve tank. 1,535,642; Apr. 28.
Armstrong-Blum Manufacturing Company, The. (See Blum, George J., assignor.)
Armstrong, William E. (See Koehnline, I. J., and Armstrong.)
Arndt, Franklin B., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Direct-draft mechanism for road graders. 1,535,891; Apr. 28.
Ash, Charles S., Hagerstown, Md. Wheel rim. 1,535,196; Apr. 28.
Asher, Blaine, Spencer, Iowa. Oil strainer. 1,535,801; Apr. 28.
Ashton, William S., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Protecting device for mixing mills and the like. 1,535,392; Apr. 28.
Astrom, John, assignor to Fort Wayne Engineering & Manufacturing Co., Fort Wayne, Ind. Pump. 1,535,643; Apr. 28.
Astrom, John, Fort Wayne, Ind. Pump valve. 1,535,644; Apr. 28.
Atkins, Charles H., Palmer, Mass. Flushometer. 1,535,562; Apr. 28.
Atwood, Eugene, assignor to Atwood Machine Company, Stonington, Conn. Spinning and twisting spindle. 1,535,645; Apr. 28.
Atwood, James T., Rockford, Ill. Door buffer. 1,535,446; Apr. 28.
Atwood Machine Company. (See Atwood, Eugene, assignor.)
Augur-Perry Company, The. (See Perry, William E., assignor.)
Austin, Albert L., Cleveland, Ohio. Rectal dilator and irrigator. 1,535,756; Apr. 28.
Austin, Frederick H., Greeneville, Tenn. Ice-cutting machine. 1,535,892; Apr. 28.
Auto Turn Company. (See Iseman, Richard B., assignor.)
Automatic Recording Safe Company, The. (See Fisher, Charles, assignor.)
Autopoint Manufacturing Company. (See Keenan, Charles R., assignor.)
Autopoint Manufacturing Company. (See Pomeroy, Irving L., assignor.)
Avery, Clarence W., assignor to Ford Motor Company, Detroit, Mich. Machine for forming artificial leather or the like. 1,535,447; Apr. 28.
Babcock & Wilcox Company, The. (See Savoye, Charles U., assignor.)
Bach, Neils P., Millburn, N. J., assignor, by mesne assignments, to Thermokept Corporation. Continuous cooker. 1,535,197; Apr. 28.
Baker, Arthur E. (See Acosta, J. W., and Baker.)
Baker, Harry T., assignor of one-half to E. C. Taylor, Los Angeles, Calif. Portable scaffold. 1,535,978; Apr. 28.
Baker, John A. (See Hear, Thomas, assignor.)
Baker-Perkins Company. (See Reese, Louis C., assignor.)
Baker, Randall B., Watertown, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Telephone headset. 1,535,284; Apr. 28.
Balcom, George W. (See Gates, M. S., Balcom, and Roberson.)
Ballbach, Alfred C., Detroit, Mich. Doorlock. 1,535,396; Apr. 28.
Bamberger, Henry, assignor to Newark Watch Case Material Company, Newark, N. J. Watch holder. 1,535,085; Apr. 28.
Bamberger, Henry, assignor of one-half to A. Milne, Newark, N. J. Phonograph needle. 1,535,285; Apr. 28.
Barbieri, Cesare, New York, N. Y., assignor to The Vortex Mfg. Co., Chicago, Ill. Sundae-cup-forming machine. 1,535,757; Apr. 28.
Barlow, Benjamin F., Travis, Tex. Shock absorber. 1,535,086; Apr. 28.
Barnes, Heffren, New York, N. Y. Golf club. 1,535,707; Apr. 28.
Barnett, Carleton E., Cambridge, Mass. Apparatus for collecting sap from trees. 1,535,087; Apr. 28.

Barnhart, Joseph R., assignor to W. M. Scott, Cleveland, Ohio. Rectifier. 1,535,088; Apr. 28.
Barrett, Colin D., Providence, R. I., assignor to Farber Brothers, New York, N. Y. Metal border strip for articles of hollow silverware. Des. 67,115; Apr. 28.
Barros, Emanuel M., Stamford, N. Y. Combination tail light, signal, and license-plate holder. 1,535,089; Apr. 28.
Barrows, Grace A., administratrix. (See Barrows, Robert Y.)
Barrows, Robert Y., deceased, by G. A. Barrows, administratrix, Rutherford, N. J. Phonograph cabinet. Des. 67,116; Apr. 28.
Bates, Jacob B., assignor of one-half to W. N. Bradford, Cambridge, Ohio. Balance escapement. 1,535,286; Apr. 28.
Baumann, Jules, Humboldt, Ariz. Gravity wheel. 1,535,090; Apr. 28.
Bautzner Industriewerk, A. G. (See Bornschein, Georg, assignor.)
Baxter, Harold G., Baldwin, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Push-button switch. 1,535,559; Apr. 28.
Bay State Optical Company. (See Jones, Percival W., assignor.)
Bayer, Gaudenz, and C. Hochhers, assignors to the Firm Gebrüder, Bayer, Augsburg, Germany. Refrigerating apparatus. 1,535,758; Apr. 28.
Bayles, Ernest A., Helsby, assignor to British Insulated & Helsby Cables Limited, Prescot, England. Manufacture of electric cables. 1,535,711; Apr. 28.
Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rotation for rock drills. 1,535,198; Apr. 28.
Baynard, William H., Boston, and F. W. Eager, assignors to H. H. Beckwith, Brookline, Mass. Shoe heater. 1,535,304; Apr. 28.
Beans, John F., Canton, and A. J. Mercier, assignors to The Beans Spring Company, Massillon, Ohio. Machine for bending bumper brackets. 1,535,759; Apr. 28.
Beans Spring Company, The. (See Beans, J. F., and Mercier, assignors.)
Beard, Elmer E., Port Angeles, Wash. Stereotype mold. 1,535,091; Apr. 28.
Beaumont, R. H., Company. (See Hale, William E., assignor.)
Becker, Allen J., Upper Montclair, N. J. Truck. 1,535,712; Apr. 28.
Bechtold, Reuben E., Fort Wayne, Ind., assignor to The Signaphore Company. Vehicle traffic-signal housing. Des. 67,117; Apr. 28.
Bechtold, Reuben E., Fort Wayne, Ind., assignor to The Signaphore Company. Casing for a signal lamp. Des. 67,118; Apr. 28.
Beckwith, Harry H. (See Baynard, W. H., and Eager, assignors.)
Beeler, Esten B., Chicago, Ill. Automatic humidifier. 1,535,287; Apr. 28.
Beilman, William E., Buffalo, N. Y. Water heater. 1,535,288; Apr. 28.
Belcher, Mark, Daisetta, Tex. Pump valve. 1,535,893; Apr. 28.
Belden, Nadine, Oakland, Calif. Folding brace. 1,535,713; Apr. 28.
Belin, Edouard, Paris, France. Method of and apparatus for synchronization. 1,535,979; Apr. 28.
Bell, Robert B., Miami, Fla. Brake. 1,535,092; Apr. 28.
Bendixen, Victor F., Chicago, Ill. Multiple casting. 1,535,802; Apr. 28.
Benedict, Hershel A., East Orange, and E. M. Moller, Jersey City, N. J. Grinding machine. 1,535,563; Apr. 28.
Benjamin, Bert R., Oak Park, Ill., assignor to International Harvester Company. Seat spring. 1,535,803; Apr. 28.
Benner, Harry P. (See Egloff, G., and Benner.)
Benner, Raymond C., Fremont, Ohio, assignor to National Carbon Company, Inc. Protected bobbin and making the same. 1,535,093; Apr. 28.
Bennet, Jules A. R., Lund, Sweden. Copying lathe. 1,535,708; Apr. 28.
Bergman, Lars H., assignor to Raymond Bros. Engineering Co., Chicago, Ill. Drying apparatus. 1,535,804; Apr. 28.
Bernhard, Harry I. (See Kelly, William J., assignor.)
Bessom, Earl A., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,536,042; Apr. 28.
Bessom, Earl A., assignor to The Wheeler-Schebler Carburetor Co., Indianapolis, Ind. Carburetor. 1,536,043; Apr. 28.
Bethel, Claude, Wilkinsburg, and E. Tidlund, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company. Bearing housing. 1,535,560; Apr. 28.
Biddle, Reuben T., Philadelphia, Pa. Side illuminating device for vehicles. 1,535,894; Apr. 28.
Bilimeyer, Fayette A., Washington, D. C. Motion toy. 1,535,564; Apr. 28.
Bingay, Robert V., Pittsburgh, Pa., assignor to Pittsburgh Transformer Company. Transformer. 1,535,094; Apr. 28.
Bishop, Joseph W., Muskegon, Mich., assignor to The Brunswick-Balke-Collender Company, Chicago, Ill. Lug-cutting machine. 1,535,805; Apr. 28.
Bishop, William K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Light for vehicle curtains. 1,536,037; Apr. 28.
Bishop, William K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Uniting complementary frame members. 1,536,038; Apr. 28.
Bitman, Joseph, Denver, Colo. Emergency supply tank for automobiles. 1,535,565; Apr. 28.
Bliffert, Walter J., Milwaukee, Wis. Air and fuel heater. 1,535,095; Apr. 28.
Bliss, Sherwood C. (See Redpath, R. L., and Bliss.)
Bloch, Samson F., assignor to M. H. Oppenheimer & Co., Inc., New York, N. Y. Cotton fabric. Des. 67,119; Apr. 28.
Blum, George J., assignor to The Armstrong-Blum Manufacturing Company, Chicago, Ill. Hack-saw blade. 1,535,096; Apr. 28.
Blume, Conway M., Orange, Tex. Tree surgery. 1,535,806; Apr. 28.
Blume, Louis P., Pittsfield, Mass., assignor to General Electric Company. Switch. 1,535,807; Apr. 28.
Black, Homer, et al. (See Modlin, Thomas B., assignor.)
Blackmore, Dawson J., Cincinnati, Ohio. Card-table cover. 1,535,895; Apr. 28.
Blanning, Edwin J. (See Jones, G. J., and Blanning.)
Bocick, John, Chicago, Ill. Swimming glove. 1,535,896; Apr. 28.
Boland, Joseph J., Rahway, N. J., assignor to Aeromarine Plane and Motor Company. Clutch transmission. 1,535,566; Apr. 28.
Bolinder, Erik A., Stockholm, Sweden. Jointing shells of barrels and casks or parts thereof. 1,535,518; Apr. 28.
Bond, Frank A., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. 1,535,145; Apr. 28.
Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Manufacture of lithopone. 1,535,760; Apr. 28.
Boord, Willa, Houston, Tex. Water bottle. 1,535,448; Apr. 28.
Booth, Levis M., Plainfield, N. J. Coagulant for purifying water and purifying water therewith. 1,535,709; Apr. 28.
Borden Company, The. (See Mitton, William E., assignor.)
Boren, Earl E. (See Rodman H., and Boren.)
Bornschein, Georg, assignor to Bautzner Industriewerk A. G., Bautzen, Germany. Wetting device for rotary rubber-printing machines. 1,535,567; Apr. 28.
Bornschein, Georg, assignor to Bautzner Industriewerk A. G., Bautzen, Germany. Feed gear for the cylinders of printing machines. 1,535,568; Apr. 28.
Bostock, William F., South Braintree, Mass. Ornamented shoe upper. 1,535,646; Apr. 28.
Boustead, Charles A. (See Fulton, I., and Boustead.)
Bowdoin, Harry L., assignor to Cone Company of America, Long Island City, N. Y. Apparatus for the manufacture of ice-cream cones. 1,535,897; Apr. 28.
Boyles, Ralph R., St. Paul, Minn., assignor to American Aluminum Ware Co. Sink strainer. 1,535,761; Apr. 28.
Bracco, Frederick, Lyndhurst, N. J. Propeller. 1,535,808; Apr. 28.
Bradford, W. N. (See Bates, Jacob B., assignor.)
Bradley, John F. (See Garrity, J. J., and Bradley.)
Bradley, John T., Tutuila, Samoa. No-capacity control for condensers. 1,536,039; Apr. 28.
Brandes, C., Inc. (See Moss, David H., assignor.)
Brandon, Harold L. (See Harrington, Arthur G., assignor.)
Brandt, Max, Los Angeles, Calif. Washing machine. 1,535,809; Apr. 28.
Brassert, Herman A., Chicago, Ill., and C. W. Andrews, Duluth, Minn. Heating gaseous fluids. 1,535,146; Apr. 28.
Breiding, Albert W., Sterling, Ill. Oil burner. 1,535,710; Apr. 28.
Breitenstein, Arthur L., Akron, Ohio. Scissors sharpener. 1,535,895; Apr. 28.
Brejska, Anthony C., assignor of one-half to L. Horley, Cleveland, Ohio. Wheel-removing device. 1,535,762; Apr. 28.
Brennan, Joseph B., Orange, N. J. Cord-tire stock and making same. 1,535,647; Apr. 28.
Brewer-Titchener Corporation, The. (See Bishop, William K., assignor.)
Brey, John, Hancock, Mich. Glare screen. 1,535,810; Apr. 28.
Briggs, Charles H., Minneapolis, Minn. Device for freeing gluten from starch. 1,535,811; Apr. 28.
Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
Brill, J. G., Company, The. (See Adams, Walter S., assignor.)
Brill, J. G., Company, The. (See Latshaw, Elmer, assignor.)
British Insulated & Helsby Cables Limited. (See Bayles, Ernest A., assignor.)
Brommer, John F., New York, N. Y. Removable side window for automobiles. 1,535,648; Apr. 28.

Bronder, Gaston A., deceased, Brooklyn; L. R. Bronder, administratrix, assignor of one-half to T. Costigan, New York, N. Y. Power declinkering apparatus for gas generators. 1,535,649; Apr. 28.
Bronder, Lucia R., administratrix. (See Bronder, Gaston A.)
Brown, Clarence O. (See Walker, H. B., and Brown.)
Brown Company. (See Richter, G. A., and Van Arsdel, assignors.)
Brown, Lucius A., assignor to The M. M. Johnson Company, Clay Center, Nebr. Incubator heater. 1,535,097; Apr. 28.
Brunswick-Balke-Collender Company, The. (See Bishop, Joseph W., assignor.)
Bryant, Elmer J., assignor to The Taft-Pierce Manufacturing Company, Woonsocket, R. I. Clamp block. 1,535,570; Apr. 28.
Buchanan, James R., Sylva, N. C. Control mechanism. 1,535,569; Apr. 28.
Buckeye Steel Castings Company, The. (See Stertzbach, Harry W., assignor.)
Buckeye Steel Castings Company, The. (See Whitridge, John C., assignor.)
Buckeye Steel Castings Company, The. (See Whitridge, J. C., Johnson, and Wolfe, assignors.)
Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread gauge. 1,535,098; Apr. 28.
Buehler, Christian, Luxemburg, Mo. Flag holder for automobiles. 1,535,896; Apr. 28.
Buffington, Harry C., assignor to Weaver Manufacturing Company, Springfield, Ill. Towing pole. 1,535,897; Apr. 28.
Burch Plow Works Co., The. (See Kime, Charles G., assignor.)
Burdick, Ralph M., Los Angeles, Calif. Piston. 1,535,571; Apr. 28.
Burke, Lot F., Schenectady, N. Y. Bicycle gearing. 1,535,714; Apr. 28.
Burns, Samuel J., Vinita, Okla. Valve-testing device. 1,535,099; Apr. 28.
Burtchby, Ethel D., Tulsa, Okla. Combined corset anchor and hose supporter. 1,535,650; Apr. 28.
Burton, Nelson S., Ardmore, Okla. Rotary well drill. 1,535,572; Apr. 28.
Burwell, Arthur W., Poughkeepsie, N. Y. Producing chromic-acid solutions. 1,535,100; Apr. 28.
Butterworth, H. W., & Sons Company. (See France, Thomas W., assignor.)
Cain, Thomas P., Wichita, Kans. Housing for tappet and rocker arms for internal-combustion engines. 1,535,449; Apr. 28.
Caldwell, Edwd. F., & Co. (See Tisley, Arthur J., assignor.)
Call, Emory O. (See McDonald, P., and Call.)
Callery, William S., Wheatland, Calif. Portable door-lock. 1,535,289; Apr. 28.
Calorizing Company, The. (See Stairs, James A., assignor.)
Camfield, Russell W., Berkeley, and E. G. Danielson, San Francisco, Calif. Variometer. 1,535,364; Apr. 28.
Camp, Ray M., Daytona, Fla. Rheostat. 1,535,898; Apr. 28.
Campas, Vincent, Paso Robles, Calif. Wheel gauge. 1,535,574; Apr. 28.
Campbell, Nelson I., and A. M. Herbeman, Los Angeles, Calif. Marking guide. 1,535,980; Apr. 28.
Candee, L., & Company. (See Patten, Ernest L., assignor.)
Canfield, Albert H., Bridgeport, Conn. Producing tank balls. 1,535,715; Apr. 28.
Cannon, John J., Leicester, England. Yarn-winding machine. 1,535,575; Apr. 28.
Cardini, Ettore, Omegna, Italy. Box for toys. 1,535,519; Apr. 28.
Carlson, Burton G. (See Trundle, G. T., jr., and Carlson.)
Carmany, Charles A., Schaefferstown, Pa. Music stand. 1,535,812; Apr. 28.
Carnahan, Frank C., Brazil, Ind. Screen plate for clay machines. 1,535,290; Apr. 28.
Caron, Napoleon, Nashua, N. H. Loom shuttle-thread guide. 1,535,900; Apr. 28.
Carr Fastener Company. (See Carr, Fred S., assignor.)
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,535,981; Apr. 28.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,535,982; Apr. 28.
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,535,983; Apr. 28.
Carver, Charles B., Elk Rapids, Mich. Demountable rim. 1,535,398; Apr. 28.
Cary Manufacturing Co. (See Cary, Spencer C., assignor.)
Cary, Spencer C., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Implement for applying and fastening package binders. 1,535,716; Apr. 28.
Case, Minnie E., Pratt, Kans. Doll. Des. 67,120; Apr. 28.
Cassell, Osborne C., Winchester, Va., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Protector mechanism for looms. 1,535,291; Apr. 28.
Certain-teed Products Corporation. (See Miller, John E., assignor.)
Chambers, Peter. (See Fisher, W. H., and Chambers.)
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Current-collecting device. 1,535,984; Apr. 28.
Chandler, Wallace L., East Lansing, Mich. Iodine and making the same. 1,535,450; Apr. 28.
Charles, George H., assignor to United Alloy Steel Corporation, Canton, Ohio. Resistant-surface alloy of iron. 1,535,763; Apr. 28.
Charles, George H., assignor to United Alloy Steel Corporation, Canton, Ohio. Resistant-surface alloy of iron. 1,535,764; Apr. 28.
Chisholm, Allen E., and S. Murray, Portland, Oreg.; said Murray assignor to said Chisholm. Oil burner. 1,535,575; Apr. 28.
Chrisman, Albert M., and J. B. Wells, Pacifico, Calif. Automatic oil and gas separating pump. 1,535,651; Apr. 28.
Christian, Herbert W., Detroit, Mich. Electric time switch. 1,535,101; Apr. 28.
Christians, Christian, Wilmersdorf, near Berlin, Germany. Device for utilising the heat contained in the fuel residues of furnaces. 1,535,765; Apr. 28.
Chubb, Lewis W. (See Fortescue, C. L., Chubb, and Slepian.)
Cincinnati Butchers' Supply Company, The. (See Schmidt, Oscar C., assignor.)
Clark, George B., Pittsburgh, Pa. Gauge cock. 1,535,576; Apr. 28.
Clark, Paul L., Denver, Colo. Projection screen. 1,535,985; Apr. 28.
Clark, Walter, Toronto, Ontario, Canada. Electric heater. 1,535,901; Apr. 28.
Clas, Angelo E., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-control mechanism. 1,535,986; Apr. 28.
Clas, Angelo E., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-control mechanism. 1,535,987; Apr. 28.
Clas, Angelo E., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-control mechanism. 1,535,988; Apr. 28.
Clas, Angelo E., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-control means. 1,535,989; Apr. 28.
Clawson, Monroe S., Upper Montclair, N. J. Mold with means for scoring castings. 1,535,292; Apr. 28.
Clement, John S., Company. (See Millholland, James H., assignor.)
Clements, George P., et al. (See Jaeger, Henry G., assignor.)
Clements, Clarence W., assignor to Crankless Engine Company, Jacksonville, Fla. Spray valve. 1,535,902; Apr. 28.
Cleveland, James G., and H. L. Keller, Arnold, Pa. Window-glass apparatus. 1,535,717; Apr. 28.
Cleave, Arthur H. W., Ottawa, Ontario, Canada. Apparatus for the electrolytic deposition of metals. 1,535,577; Apr. 28.
Coates, Ray G., Pasadena, Calif., assignor to Valley Mould and Iron Corporation, Sharpesville, Pa. Ingot mold and making same. 1,535,199; Apr. 28.
Cohen, Samuel, Brooklyn, N. Y. Electrical connecter. 1,535,451; Apr. 28.
Cohn, Arnold, New York, N. Y. Necktie box. 1,535,102; Apr. 28.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Cord support. 1,535,578; Apr. 28.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Vertical oven. 1,535,579; Apr. 28.
Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Toaster. 1,535,580; Apr. 28.
Cole, William P., Coalinga, Calif. Shock absorber. 1,535,103; Apr. 28.
Colella, Louis A., and S. Zeff, Detroit, Mich. Nonskid gripping member. 1,535,200; Apr. 28.
Collier, William H., Painesville, Ohio. Lathe-knife-grinding machine. 1,535,813; Apr. 28.
Collin, Adolphe, Ougree, and D. Jeunehomme, Jemeppe, Belgium. Pouring ladle. 1,535,201; Apr. 28.
Collins, Coy C., Hillsboro, N. C. Shaft coupling. 1,535,293; Apr. 28.
Collins, Harry E., Allentown, Pa., assignor to Fuller-Lehigh Company. Pulverised-fuel burner. 1,535,903; Apr. 28.
Collins, Thomas S., West Union, W. Va. Pipe coupling. 1,535,294; Apr. 28.
Colpitts, Fawcett H., assignor to Hydro Vacuum Elevator Company, Denver, Colo. Apparatus for lifting water, grain, or the like. 1,535,147; Apr. 28.
Commercial Electrolytic Corporation. (See Laughlin, Robert, assignor.)
Comant, Arthur P., Fort Thomas, assignor to The Wadsworth Watch Case Company, Dayton, Ky. Watchcase appendage. Des. 67,121; Apr. 28.
Concealed Door Check Company. (See Eastman, Floyd K., assignor.)
Cone Company of America. (See Bowdoin, Harry L., assignor.)
Connery, William M., Philadelphia, Pa. Corrugation-forming dies for metal plates. 1,535,295; Apr. 28.
Conlin, Frederick. (See Jackson, D. D., Sears, and Conlin.)

Conlin, Frederick, Westfield, N. J., assignor to J. T. Pratt, New York; D. D. Jackson, Brooklyn, N. Y.; and J. D. Sears, Bloomfield, N. J., joint trustees constituting a New York trust estate. Removing slag and neutralising fumes arising in treatment of molten metals. 1,535,202; Apr. 28.

Connors, John W., Dedham, assignor to The Reece Button Hole Company, Boston, Mass. Buttonhole-sewing machine. 1,535,399; Apr. 28.

Conradson, Prentice, Evansville, assignor to Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Grinding machine. 1,535,452; Apr. 28.

Consolidated Paper and Box Manufacturing Company. (See Kusterer, Aloysius J., assignor.)

Cook, Cleo B., East Cleveland, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio. Method and apparatus for handling freight. 1,535,203; Apr. 28.

Cook, Joel R., Lakewood, assignor to The Domestic Electric Company, Cleveland, Ohio. Centrifugal motor switch. 1,535,766; Apr. 28.

Cooper, Simon, New York, N. Y., assignor, by mesne assignments, to The Guardian Savings and Trust Company, Cleveland, Ohio. Box-forming machine. 1,535,453; Apr. 28.

Cornelissen, William. (See Hays, H. R., and Cornelissen.)

Corning Glass Works. (See McCauley, George V., assignor.)

Cory, Samuel I., Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Preventing electrical interference. 1,535,104; Apr. 28.

Costigan, Thomas. (See Brender, Gaston A., assignor.)

Cota, Daniel E., Waltham, Mass. Traffic signal. 1,535,105; Apr. 28.

Counts, Charles E. (See White, G., and Counts.)

Crane & Sompany. (See Sammet, Charles F., assignee.)

Crankless Engine Company. (See Clements, Clarence W., assignor.)

Crell, Albert P., assignor of one-half to W. S. Daniels, Grand Rapids, Mich. Apparatus for forming and cooling leaf springs and the like. 1,535,454; Apr. 28.

Cremean, William F., Toledo, Ohio. Car-door mechanism. 1,535,514; Apr. 28.

Crispen, Clarence C., Harrisburg, Pa. Elevator for stairways. 1,535,106; Apr. 28.

Croll, Paul C., Pubelo, Colo. Mold for wall construction. 1,535,296; Apr. 28.

Crom, John M., Wilmette, Ill. Cement-placing machinery. 1,535,991; Apr. 28.

Crompton & Knowles Loom Works. (See Cassell, Osborne C., assignor.)

Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 67,122; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 67,123; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Wall plate for lighting fixtures. Des. 67,124; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting-fixture bracket back. Des. 67,125; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Wall plate for lighting fixtures. Des. 67,126; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Lighting-fixture bracket back. Des. 67,127; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Ceiling light for lighting fixtures. Des. 67,128; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Bracket back for lighting fixtures. Des. 67,129; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Arm for lighting fixtures. Des. 67,130; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Ceiling light for lighting fixtures. Des. 67,131; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Bracket back for lighting fixtures. Des. 67,132; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Canopy for lighting fixtures. Des. 67,133; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Canopy for lighting fixtures. Des. 67,134; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Ceiling light for lighting fixtures. Des. 67,135; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Bracket back for lighting fixtures. Des. 67,136; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Frame for lighting fixtures. Des. 67,137; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Body for lighting fixtures. Des. 67,138; Apr. 28.

Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Body for lighting fixtures. Des. 67,179; Apr. 28.

Crowell, Rufus, Winchester, Mass. Method and apparatus for forming tubing electrolytically. 1,535,400; Apr. 28.

Crown Cork and Seal Company, The. (See Harms, Oscar J., assignor.)

Cunningham, Charles F. (See Altgelt, R. J. and H. R., and Cunningham.)

Cunningham, Frank L., Calgary, Alberta, Canada. Mop-cloth holder. 1,535,767; Apr. 28.

Cunningham, Walter T., Wichita, Kans. Oil burner. 1,535,815; Apr. 28.

Curtiss Aeroplane & Motor Company. (See Gilmore, William L., assignor.)

Curtiss Aeroplane and Motor Company. (See Langfelder, John P., assignor.)

Cuveiller, Léonce E., Montreal, Quebec, Canada. Advertising device. 1,535,521; Apr. 28.

Cvitkovich, John, Gary, Ind. Automatic film indicator and operator's warner. 1,535,520; Apr. 28.

Cyclops Steel Company. (See Evans, Charles T., assignor.)

Czarnyszka, Albert, Milwaukee, Wis. Shade and curtain fixture. 1,535,107; Apr. 28.

Dabney, Lillian M., Kansas City, Kans. Marking gauge. 1,535,816; Apr. 28.

Dahl, Sten T., Stockholm, assignor to O. Kullberg-Mayer, Katrineholm, Sweden. Carbon electrode for vacuum lightning conductors. 1,535,108; Apr. 28.

Daimler-Motoren-Gesellschaft. (See Klaamm, Hanns, assignor.)

Daniels, Addison L., Sioux City, Iowa. Radiator cooler. 1,535,904; Apr. 28.

Daniels, William S. (See Crell, Albert P., assignor.)

Danielson, Ernest O. (See Cantfield, E. W., and Danielson.)

Dann, Ernest G., Chicago, Ill. Spring-bar bumper and support. 1,535,581; Apr. 28.

Dapron, Joseph M., St. Louis, Mo. Air-brake equipment. 1,535,455 Apr. 28.

Darrah, William A., assignor to The Ekco Engineering Company, Chicago, Ill. Apparatus for mixing bread. 1,535,204; Apr. 28.

Darrah, William A., assignor to The Ekco Engineering Company, Chicago, Ill. Mixing dough and apparatus therefor. 1,535,205; Apr. 28.

Darrell, John J., assignor of one-half to E. M. Farnham, Oakland, Calif. Theft-indicating device. 1,535,582; Apr. 28.

Dashew, Jacob, Baltimore, Md. Cutting and weighing machine. 1,535,905; Apr. 28.

Davidson, Elias, Grantsburg, Wis. Harmonica holder. 1,535,206; Apr. 28.

Davies, Caleb, jr., Poland, Ohio. Manufacture of iron. 1,535,109; Apr. 28.

Davies, William R. (See Thomas, H. S., and Davies.)

Davis, Howard C., Elisabeth, N. J., assignor to Kow & Davis, Engineers, Inc., New York, N. Y. Feed-water grease-extractor apparatus. 1,535,768; Apr. 28.

Davis, Taube, assignor to Franklin Simon & Co. Inc., New York, N. Y. Coat. Des. 67,139; Apr. 28.

Davoll, Harley J., Lincoln, Nebr. Battery holddown. 1,535,906; Apr. 28.

Deere and Company. (See Wilson, Frederick D., assignor.)

Deffenbaugh, Chester S., Oroville, Calif. Camp stove. 1,535,652; Apr. 28.

Degler, William W., Davis, W. Va. Pivoted swing hanger. 1,535,718; Apr. 28.

De Hart, Joseph B., Lethbridge, Alberta, Canada. Shot-firing device. 1,535,148; Apr. 28.

De Mailly, Henry A. (See Carugnani, Mario, assignor.)

Desautels, Charles H. (See Taylor, E. C., and Desautels.)

Desautels, Charles H., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Air and water injector. 1,535,401; Apr. 28.

Deshler, Franklin J., Santa Ana, Calif. Rafter-cut-marking tool. 1,535,907; Apr. 28.

Det Norske Aktieselskab for Elektrokemisk Industri. (See Rawnar, Oystein, assignor.)

Dexter Company, The. (See George, William H., assignor.)

Diamond Power Specialty Corporation. (See Rawson, Grant L., assignor.)

Dickerson, Orman W., Oklahoma City, Okla. Casing device. 1,535,297; Apr. 28.

Dictaphone Corporation. (See Roberts, Henry P., assignor.)

Diederich, William H. (See Hines, Ernest, assignor.)

Dionne, Charles, Lowell, Mass. Liquid-supply device for toilet purposes. 1,535,817; Apr. 28.

Doan, Gilbert E., assignor to Rail Welding and Bonding Company, Cleveland, Ohio. Welding electrode. 1,535,365; Apr. 28.

Dobson, Gail B., Los Angeles, Calif. Valve-stem silencer. 1,535,583; Apr. 28.

Doherty Research Company. (See Wright, Carl J., assignor.)

Dohrmann, Fred, New York, N. Y. Self-oiler. 1,535,110; Apr. 28.

Dolan, Frank J., Brooklyn, assignor to J. M. Price, New York, N. Y. Tubular box. 1,535,522; Apr. 28.

Dolan, John A., Hempstead, N. Y. Smoker's receptacle. 1,535,908; Apr. 28.

Domestic Electric Company, The. (See Cook, Joel R., assignor.)

Dorey, George B., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Door-locking mechanism. 1,535,111; Apr. 28.

Dorf, John T., Dundalk, Md. Shoe. 1,535,207; Apr. 28.

Dorfman, Leo, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mold for resistance-coil supports. 1,535,584; Apr. 28.

Dostal, Joseph L., assignor to E. Holley, Detroit, Mich. Automatic application of lampblack to metal molds. 1,535,149; Apr. 28.

Doughty, Ivan N., assignor to Western Brick Company, Danville, Ill. Face-brick-sanding machine. 1,535,402; Apr. 28.

Drabinsky, John A., Camden, N. J. Rocker for chairs. 1,535,298; Apr. 28.

Draper Corporation. (See Leonard, Harry A., assignor.)

Draper Corporation. (See Payne, Charlie A., assignor.)

Draper Corporation. (See Rhoades, Alonzo E., assignor.)

Dreaman, Homer H., Connersville, Ind., assignor to Undertakers' Supply Company, Chicago, Ill. Body lifter. 1,535,208; Apr. 28.

Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Expansion joint. 1,535,209; Apr. 28.

Duke, Homer E., Markleville, and G. W. Pierce, Anderson, Ind. Filtering apparatus. 1,535,113; Apr. 28.

Du Pont, E. I., de Nemours & Company. (See Boone, James E., assignor.)

Du Pont, E. I., de Nemours & Company. (See Pitman, Earle C., assignor.)

Dupont, Jean G., Chicago, Ill. Nursing-bottle cover. Des. 67,140; Apr. 28.

Dupree, Thomas B., and H. P. Rhodes, Houston, Tex.; said Rhodes assignor to said Dupree. Packing. 1,535,456; Apr. 28.

Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Headband for telephone sets. 1,535,299; Apr. 28.

Durfree Company, Inc., The. (See Jacobsen, Oystein, assignor.)

Dyer, Clarence J. L., Kisbey, Saskatchewan, Canada. Windmill head. 1,535,585; Apr. 28.

Dyer, Harry W., East Orange, N. J. Exit-door lock. 1,535,210; Apr. 28.

Eager, Frederick W. (See Baynard, W. H., and Eager.)

Easterday, Sidney H. (See Hopkins, T. O., and Easterday.)

Eastman, Floyd K., assignor to Concealed Door Chest Company, Kokomo, Ind. Vehicle doorcheck. 1,535,113; Apr. 28.

Eberle, John C., jr., Haddon Heights, N. J. Skate clamp. 1,535,909; Apr. 28.

Edgestone Manufacturing Co. (See Johnson, William W., jr., assignor.)

Edgar, Frank M., and T. P. Archer, assignors to Terrstedt Manufacturing Company, Detroit, Mich. Lock. 1,535,150; Apr. 28.

Edmunds, Levi E., Philadelphia, Pa. Flanged sprocket wheel. 1,535,114; Apr. 28.

Edwards, Edwin L., assignor to Edwards X-Ray Corporation, Indianapolis, Ind. Protector for X-ray tubes. 1,535,366; Apr. 28.

Edwards X-Ray Corporation. (See Edwards, Edwin L., assignor.)

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating acid-sludge oils. 1,535,213; Apr. 28.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Producing lampblack. 1,535,214; Apr. 28.

Egloff, Gustav, assignor to Universal Oil Products Company, Chicago, Ill. Treating acid-sludge oils. 1,535,656; Apr. 28.

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Hydrocarbon-oil treatment. 1,535,953; Apr. 28.

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Treating petroleum oil. 1,535,654; Apr. 28.

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,535,655; Apr. 28.

Egloff, Gustav, and H. P. Benner, assignors to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating oil. 1,535,211; Apr. 28.

Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Plug cock. 1,535,212; Apr. 28.

Ehlig, Harry, Pearl River, assignor to George R. Swart & Company, Inc., New York, N. Y. Sheet feeder. 1,535,215; Apr. 28.

Ehlig, Harry, Pearl River, assignor to George R. Swart & Company, Inc., New York, N. Y. Folding and slitting machine. 1,535,216; Apr. 28.

Ehlig, Harry, Pearl River, assignor to George R. Swart & Company, Inc., New York, N. Y. Sheet feeder. 1,535,217; Apr. 28.

Ehrentraut, Charles, et al. (See Greenway, Marriett, assignor.)

Ehret, Cornelius D. (See McCan, David G., assignor.)

Ekco Engineering Company, The. (See Darrah, William A., assignor.)

Electric Machinery Mfg. Company. (See Hibbard, Truman, assignor.)

Electric Tachometer Corporation, The. (See Koif, Petrus van S., assignor.)

Electric Oil Syndicate. (See Morris, William L., assignor.)

Ellis, Horace B., Meadville, Pa. Sectional-window-screen lock. 1,535,818; Apr. 28.

Ellis, James O. (See Larsen, P. L., and Ellis.)

Ellison, Edward H., Jamestown, N. Y. Window closer. 1,535,403; Apr. 28.

Elwell-Parker Electric Company, The. (See Cook, Cleo B., assignor.)

Emmet, William L. R., Schenectady, N. Y., assignor to General Electric Company. Cooler and separator. 1,535,819; Apr. 28.

Emmett, Milton W. (See Marinos, John, assignor.)

Emsley, Orville H., Pasadena, Calif. Producing power from fuel. 1,535,657; Apr. 28.

Enterprise Railway Equipment Company. (See Dorey, George B., assignor.)

Epke, Martin C. (See Hoxie, V., and Epke.)

Ernold, Elmer A., Philadelphia, Pa., assignor to Wirt Company, Portland, Me. Portable electric-light fixture. 1,535,658; Apr. 28.

Ernst, Harry J., assignor to the D. T. Williams Valve Company, Cincinnati, Ohio. Valve. 1,535,405; Apr. 28.

Ernst, Fritz B., assignor to American Steel Foundries, Chicago, Ill. Railway-car truck. 1,535,404; Apr. 28.

Escandon, Jesus N., Pedro Betancourt, Cuba. Tractor. 1,535,528; Apr. 28.

Eschholtz, Otto H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Arc welding. 1,535,586; Apr. 28.

Estate Stove Company, The. (See Kahn, Bertrand B., assignor.)

Eustis, Frederic A., Milton, Mass. Reducing indigo dyes and other solutions. 1,535,151; Apr. 28.

Eustis, Frederic A., Milton, Mass. Apparatus for reducing dye solutions. 1,535,152; Apr. 28.

Evans, Charles T., Titusville, Pa., assignor to Cyclops Steel Company, New York, N. Y. Alloy. 1,535,910; Apr. 28.

Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,535,587; Apr. 28.

Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,535,588; Apr. 28.

Evans, Robert D., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,535,589; Apr. 28.

Evans, Robert D., Pittsburgh, and R. T. Pierce, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. Volt-ampere meter. 1,535,590; Apr. 28.

Evans, William W., Salt Lake City, Utah. Flue cleaner. 1,535,115; Apr. 28.

Everett, Edward A., New York, N. Y. Lamp support. 1,535,218; Apr. 28.

Eynon, George A., assignor to G. M. Holley, Detroit, Mich. Needle-valve retainer. 1,535,406; Apr. 28.

Fairbairn, John J., Roosevelt, N. Y. Gear case. 1,535,524; Apr. 28.

Fairfield Engineering Company. (See Walker, H. B., and Brown, assignor.)

Falck, Joseph, assignor to F. H. Hill Company, Chicago, Ill. Burial casket. Des. 67,141; Apr. 28.

Farber Brothers. (See Barrett, Colin D., assignor.)

Farnham, Eugene M. (See Darrell, John J., assignor.)

Farrell, Edward P., Malvern, Ohio. Crossing-protecting device. 1,535,911; Apr. 28.

Fay, Albert E., et al. (See Johnson, Alvin L., assignor.)

Ferrara, Francesco, Somerville, Mass. Window-shade roll and holder therefor. 1,535,591; Apr. 28.

Fifield, George H., Whiting, Ind. Distilling petroleum oils. 1,535,457; Apr. 28.

Firestone Tire and Rubber Company, The. (See Pade, Max E., assignor.)

Fisher, Charles, assignor to The Automatic Recording Safe Company, Chicago, Ill. Golf club. 1,535,719; Apr. 28.

Fisher, William H., Los Angeles, and P. Chambers, Redondo, Calif. Furnace. 1,539,992; Apr. 28.

Fisk Rubber Company, The. (See Ashton, William S., assignor.)

Fisk Rubber Company, The. (See Desautels, Charles H., assignor.)

Fisk Rubber Company, The. (See Little, Thomas P., assignor.)

Fisk Rubber Company, The. (See MacAleese, Frederic L., assignor.)

Fisk Rubber Company, The. (See Marquette, Melvon A., assignor.)

Fisk Rubber Company, The. (See Taylor, E. C., and Desautels, assignors.)

Fletcher, Charles F. (See Southwell, John A., assignor.)

Flower, John W., assignor, by mesne assignments, to Michigan Valve Foundry and Engineering Company, Detroit, Mich. Hydrant valve. 1,535,912; Apr. 28.

Fox, Ivar K., Copenhagen, Denmark. Fluid-pressure engine. 1,535,659; Apr. 28.

Forehand, Elizabeth M., Kokomo, Ind. Spring assembly. 1,535,116; Apr. 28.
Ford Motor Company. (See Avery, Clarence W., assignor.)
Forshee, Frank F., Flint, Mich., assignor to Westinghouse Electric Products Company. Sadiron. 1,535,592; Apr. 28.
Forster, John C., Pittsburgh, Pa. Pie crimper. 1,535,300; Apr. 28.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical measuring instrument. 1,535,594; Apr. 28.
Fortescue, Charles L., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Negative-phase-sequence balancer for polyphase furnaces. 1,535,595; Apr. 28.
Fortescue, Charles L., Pittsburgh, L. W. Chubb, Edgeworth, Pa., and J. Slepian, Boston, Mass., assignors to Westinghouse Electric & Manufacturing Company. Electrical measuring device. 1,535,593; Apr. 28.
Fort Wayne Engineering & Manufacturing Co. (See Astrom, John, assignor.)
Foster, John C., Merkel, Tex. Shutter-timing mechanism for motion-picture machines. 1,535,820; Apr. 28.
France, Thomas W., Providence, R. I., assignor to H. W. Butterworth & Sons Company. Calender for textile and other materials. 1,535,660; Apr. 28.
Francis, James H. E., Deptford, London, England. Vitreous enameled tile, brick, and the like. 1,535,301; Apr. 28.
Frankfort Novelty Company. (See Moore, Marcus D., assignor.)
Franklin Simon & Co. (See Davis, Taube, assignor.)
Franklin Simon & Co. (See Schmolze, Mildred C., assignor.)
Frary, Francis C., Oakmont, assignor to Aluminum Company of America, Pittsburgh, Pa. Method of and apparatus for electrolytic refining. 1,535,458; Apr. 28.
Fraser, Lovias F., Drumright, Okla. Drilling device. 1,535,302; Apr. 28.
Frazier, F. A., Company. (See Galligan, Carl F., assignor.)
Fredrickson, Erick A., Drayton, N. Dak. Attachment for revolvers. 1,535,459; Apr. 28.
Freitag, Richard H., Akron, Ohio. Filing machine. 1,535,407; Apr. 28.
French, Silas, Rochester, N. Y. Guard and guide for circular rabbeting saws. 1,535,596; Apr. 28.
Frericks, William, Steamboat Rock, Iowa. Filler device for egg cases or crates. 1,535,460; Apr. 28.
Frevert, Howard R., Portland, Oreg. Coasting toy. 1,535,461; Apr. 28.
Frey, Ivan C., York, Pa., assignor to Lancaster Iron Works, Inc. Floating strike for brickmaking machines. 1,535,303; Apr. 28.
Fricke, Charles F., Chicago, Ill. Display device. 1,535,408; Apr. 28.
Fried. Krupp Aktiengesellschaft Germaniawerft. (See Herkt, Ernst, assignor.)
Frost Manufacturing Company. (See Theleen, Oscar H., assignor.)
Fulcer, Fred L., and R. J. Ritger, Hortonville, Wis. Snowplow. 1,535,913; Apr. 28.
Fuller-Lehigh Company. (See Collins, Harry R., assignor.)
Fuller-Lehigh Company. (See Renkin, William O., assignor.)
Fulton, Isadore, and C. A. Boustead, Creamps, W. Va. Cable connecter. 1,535,117; Apr. 28.
Fulton, William H., Irvington, N. J., assignor, by mesne assignments, to Titeflex Metal Hose Co. Pipe coupling. 1,535,219; Apr. 28.
Fultz, David E., and O. L. Grigg, Madill, Okla. Spring wheel. 1,535,321; Apr. 28.
Furda, Jacob, Winnipeg, Manitoba, Canada. Condiment holder. 1,535,597; Apr. 28.
Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
Gallagher, Alfred H., Chicago, Ill. Heat insulation. 1,535,220; Apr. 28.
Gallagher, Arthur D., assignor to Oliver Chilled Plow Works, South Bend, Ind. Wheeled cultivator. 1,535,914; Apr. 28.
Gallardo, Joseph J., San Tecla, Salvador. Infusion extractor. 1,535,769; Apr. 28.
Galligan, Carl F., Berkeley, assignor to F. A. Frazier Company, San Francisco, Calif. Spray mixture and making the same. 1,535,525; Apr. 28.
Gans, Philip, New York, N. Y. Dispensing machine. 1,535,915; Apr. 28.
Garagnani, Mario, Paris, France, assignor of one-half to H. A. De Mailly, New York, N. Y. Fuel tank for aeroplanes and the like. 1,535,462; Apr. 28.
Garbell, Max, Chicago, Ill. Typewriting machine. 1,535,153; Apr. 28.
Gardner, Omar N., Jamestown, N. Y. Operating and detaching mechanism for excavating buckets. 1,535,720; Apr. 28.
Garfinkel, Himan, Corona, N. Y. Umbrella. 1,535,993; Apr. 28.
Garrity, John J., and J. F. Bradley, Bridgeport, Conn. Saw guide and square. 1,535,661; Apr. 28.
Gates, Miles S., G. W. Balcom, and F. L. Roberson, Lewellen, Nebr. Oil can. 1,535,994; Apr. 28.
Gault, Don, East Lake, Tenn., assignor to The Guardian Savings and Trust Company, Cleveland, Ohio. Box-forming machine. 1,535,468; Apr. 28.
Gebrüder Bayer. (See Bayer, G., and Hochhers, assignors.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Emmet, William L. R., assignor.)
General Electric Company. (See Halvorson, Cromwell A. B., jr., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Janisch, Leopold, assignor.)
General Electric Company. (See Junggren, Oscar, assignor.)
General Electric Company. (See Leddick, George S., assignor.)
General Electric Company. (See Stevens, Harry M., assignor.)
General Electric Company. (See Thompson, Louis W., assignor.)
General Electric Company. (See Traver, Oliver C., assignor.)
General Electric Company. (See Winne, Harry A., assignor.)
General Electric Company. (See Young, George E., assignor.)
General Gas Light Company. (See Humphrey, Alfred H., assignor.)
General Railway Signal Company. (See Leake, Richard C., assignor.)
Genest, Homer A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,535,327; Apr. 28.
Gengler, Raymond J., Akron, Ohio. Stamp-affixing device. 1,535,598; Apr. 28.
Gerdin, Olof B., Seattle, Wash. Window-cleaning device. 1,535,804; Apr. 28.
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Schaffer, Walter, assignor.)
George, William H., assignor to The Dexter Company, Fairfield, Iowa. Gearing. 1,535,409; Apr. 28.
Gettell, Travilla C., Philadelphia, Pa., assignor of one-half to F. Lambden, Baltimore, Md. Burglar-detective apparatus. 1,535,770; Apr. 28.
Getz, Alfred C., assignor to The Sidney Machine Tool Company, Sidney, Ohio. Band saw. 1,535,995; Apr. 28.
Giddings & Lewis Machine Tool Company. (See Conradson, Prentice, assignor.)
Gill, Harrison M., Taft, Calif. Gas, oil, and sand separator. 1,535,721; Apr. 28.
Gilman, George H., Claremont, N. H., assignor to Sullivan Machinery Company. Pneumatic hammer. 1,535,599; Apr. 28.
Gilmore, William L., Mineola, assignor to Curtiss Aeroplane & Motor Company, Inc., Garden City, N. Y. Aeroplane wing. 1,535,526; Apr. 28.
Globe Wernicke Co. (See Ringler, William A., assignor.)
Goddu, Ovila, Ponteix, Saskatchewan, Canada. Candy scoop. 1,535,600; Apr. 28.
Goldsmith, Wolf T., Newark, N. J. Foot measure. 1,535,996; Apr. 28.
Good, Robert, Washington, Pa., assignor of one-half to Hazel-Atlas Glass Company, Wheeling, W. Va. Recuperator. 1,535,722; Apr. 28.
Goodwin, Roy, Wilmette, Ill. Remedial appliance. 1,535,822; Apr. 28.
Goodwin, Roy, Wilmette, Ill. Luminous sign. 1,535,823; Apr. 28.
Gore, Henry C., Dunedin, New Zealand. Combined nail puller and case opener. 1,535,824; Apr. 28.
Gotshall, Charles R., and R. S. Snyder, Uhrichsville, Ohio. Nonset automatic phonograph stop. 1,535,825; Apr. 28.
Goulding, W., et al. (See Johnson, Alvin L., assignor.)
Government of the United States. (See Van Metre, Thomas E., assignor.)
Grace, John F., Kearny, N. J., assignor to Worthington Pump & Machinery Corporation. Surface condenser. 1,535,662; Apr. 28.
Graham Brothers. (See Milner, Nugent, assignor.)
Graham, Ellis F., Louisville, Ky. Fender-protecting brace. 1,535,826; Apr. 28.
Graham, James H., Torrington, Conn. Pedal for bicycles. 1,535,601; Apr. 28.
Grasselli Chemical Company, The. (See Tanner, Wellington L., assignor.)
Green Engineering Company. (See Strong, Arthur P., assignor.)
Greenfield Tap and Die Corporation. (See Morgan, Myles, assignor.)
Greenstein, Samuel. (See Tucker, Boris, assignor.)
Greenwald, Sam, Brooklyn, N. Y. Baker's dough box. 1,535,827; Apr. 28.
Greenway, Marriett, assignor of one-third to C. Ehrentraut and one-third to G. Hindle, Paterson, N. J. Attachment for swifts. 1,535,306; Apr. 28.
Griebel, Rudolph M., Seattle, Wash. Game. 1,535,118; Apr. 28.
Griffiths, Richard T. (See Steele, C. W., and Griffiths.)
Grigg, Otis L. (See Fultz, D. E., and Grigg.)

Guarantee Finding Co., The. (See Martin, Jack, assignor.)
Guardian Savings and Trust Company, The. (See Cooper, Simon, assignor.)
Guardian Savings and Trust Company, The. (See Gault, Don, assignor.)
Guardian Savings and Trust Company, The. (See Wilkie, David, assignor.)
Guilberteau, Henri E. (See Margier, P. L., and Guilberteau.)
Guischard, Charles H., Richmond Hill, N. Y. Kiddie boat. 1,535,828; Apr. 28.
Gulich, Ashley J., Clearfield, assignor to Harbison-Walker Refractories Company, Pittsburgh, Pa. Refractory-shape press and mold therefor. 1,535,410; Apr. 28.
Gurley, John A., Minneapolis, Minn. Candy. Des. 67,142; Apr. 28.
Gurley, John W., Indianapolis, Ind. Fluid pump or motor. 1,535,464; Apr. 28.
Gurney, Osborne P., et al. (See Macdonald, Mott W., assignor.)
Gustafson, Carl H., Hartford, Conn. Hand grasp for automobiles. 1,535,771; Apr. 28.
Hackman, William H., Chapman, Kans. Grain sprouter. 1,535,465; Apr. 28.
Hadfield, John, jr., Philadelphia, Pa. Stocking and making same. Re16,053; Apr. 28.
Haffey, Calvin W. (See Stannard, R. C., and Haffey.)
Halansky, Bernard, Ottawa, Ontario, Canada. Ticket holder. 1,535,997; Apr. 28.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Drag-scraper equipment. 1,535,663; Apr. 28.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Drag-scraper equipment. 1,535,664; Apr. 28.
Halvorson, Cromwell A. B., jr., Lynn, Mass., assignor to General Electric Company. Metal mirror. 1,535,916; Apr. 28.
Hamilton, Claude, Garnett, Kans. Electric incubator heater. 1,535,829; Apr. 28.
Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)
Hannaford, Cleon M., Richmond, Va., assignor to Wine Railway Appliance Company, Toledo, Ohio. Car-door mechanism. 1,535,830; Apr. 28.
Hannaford, Cleon M., Richmond, Va., assignor to Wine Railway Appliance Company, Toledo, Ohio. Car-door mechanism. 1,535,831; Apr. 28.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Swivel mounting for hoists. 1,535,221; Apr. 28.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pavement breaker. 1,535,411; Apr. 28.
Hansen-Ellehammer, Jacob C., Hellerup, Denmark. Coupling arrangement between a pump and an automobile. 1,535,832; Apr. 28.
Hanson, Clinton H., Chicago, Ill., assignor to Motor Player Corporation. Pneumatic control valve. 1,535,833; Apr. 28.
Hanson, Charles C., and John Twardowsky, assignors, by mesne assignments, to Universe Corporation, Chicago, Ill. Stuffing box. 1,535,998; Apr. 28.
Harbison-Walker Refractories Company. (See Gulich, Ashley J., assignor.)
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harms, Oscar J., assignor to The Crown Cork and Seal Company of Baltimore City, Baltimore, Md. Machine for producing disks from cork or cork composition. 1,535,466; Apr. 28.
Harrington, Arthur G., assignor of one-half to H. L. Brandon, London, England. Waterproofing of fabric articles. 1,535,999; Apr. 28.
Harris Automatic Press Company, The. (See Harroid, Charles W., assignor.)
Harrison, Henry C., Port Washington, assignor to Western Electric Company, Incorporated, New York, N. Y. Vibratory system. 1,535,527; Apr. 28.
Harrison, Henry C. (See Maxfield, J. P., and Harrison.)
Harrison, Wade H., Petersburg, Va. Garment-hanger-supporting mechanism for wardrobe trunks. 1,535,222; Apr. 28.
Harrison, Wade H., Petersburg, Va. Garment-hanger support for wardrobe trunks. 1,535,223; Apr. 28.
Harroid, Charles W., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Sheet grippers. 1,535,224; Apr. 28.
Harsin, Clarence W., Los Angeles, Calif. Paper-hanger's folding straightedge. 1,535,917; Apr. 28.
Hartfield, August J., Los Angeles, Calif. Gas heater. 1,535,412; Apr. 28.
Harvey, John E., Dorchester, Mass. Controlling means for electrical devices. 1,535,806; Apr. 28.
Hatton, Guerdon A., New Castle, Pa. Water-supply system. 1,535,154; Apr. 28.
Haufler, Gottlob, Stuttgart, Germany. Pepper caster. 1,535,772; Apr. 28.
Haug, Anton J., assignor to Improved Paper Machinery Company, Nashua, N. H. Method of and apparatus for working paper stock. 1,535,834; Apr. 28.
Hauser, Leo J. (See Koerperich, J. V., and Hauser.)
Hawk, Roscoe C., Pittsburgh, Pa. Electric melting pot. 1,535,307; Apr. 28.
Hawkins, Augusta B. (See Snodgrass, O. C., Hawkins, and Staggers.)
Hawkins, John H., Sayville, N. Y. Cesspool-wall construction. 1,536,000; Apr. 28.
Hawley, Eugene W., Philadelphia, Pa. Wardrobe trunk. 1,535,119; Apr. 28.
Hay, William T., Montreal, Quebec, Canada. Boat construction. 1,535,155; Apr. 28.
Hayden, Arthur C., Brockton, Mass. Radio tuning device. 1,535,602; Apr. 28.
Hayes, George H., Atlanta, Ga. Plant-treating truck. 1,536,001; Apr. 28.
Hayes-Fay Laboratories, Inc. (See Shaw, Frank R., assignor.)
Hays, Howard R., and W. Cornelissen, assignors to H. S. and L. F. Levy, Philadelphia, Pa. Camera. 1,535,225; Apr. 28.
Hazel-Atlas Glass Company. (See Good, Robert, assignor.)
Hedgcock, William C., assignor to American Steel Foundries, Chicago, Ill. Six-wheel truck. 1,535,413; Apr. 28.
Hedges, Edward E., New York, N. Y., assignor to The Hedges New Eduction Process Corporation, Newark, N. J. Extracting mercury from cinnabar. 1,535,467; Apr. 28.
Hedges, Edward E., New York, N. Y., assignor to The Hedges New Eduction Process Corporation, Newark, N. J. Extracting sulphur from its ores. 1,535,468; Apr. 28.
Hedges New Eduction Process Corporation. (See Hedges, Edward E., assignor.)
Hedin, Ernest. (See Lundgren, C., and Hedin.)
Heer, Thomas, Baltimore, Md., assignor to J. A. Baker, Reisterstown, Md. Oil feed device for diestocks. 1,535,773; Apr. 28.
Hele-Shaw, Henry S., and E. Tribe, deceased, C. Tribe, executor or administrator, assignors to The Kenward Collapsible (Steel) Barrel Company Limited, London, England. Containing vessel. 1,535,308; Apr. 28.
Heller, Herman S., San Francisco, assignor to Heller Products Company, Inc., Los Angeles, Calif. Portable ice machine. 1,535,603; Apr. 28.
Heller Products Company. (See Heller, Herman S., assignor.)
Henderson-Bland, Maud, London, England. Bust bodice. 1,535,528; Apr. 28.
Hendricks, William H., New Haven, Conn. Pan or the like. 1,535,004; Apr. 28.
Hennig, Albert, assignor to Anker-Werke Aktiengesellschaft, Bielefeld, Germany. Buttonhole-sewing machine. 1,536,002; Apr. 28.
Henry, Ferdinand G., New York, assignor, by mesne assignments, to Walden Knife Company, Walden, N. Y. Machine for sharpening blades. 1,535,665; Apr. 28.
Henry, Robert P. (See Neely, J. A., and Henry.)
Herbeman, Abraham M. (See Campbell, N. I., and Herbeman.)
Herkt, Ernst, Kiel-Hassee, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Fuel valve for internal-combustion engines. 1,536,003; Apr. 28.
Hettig, Albert F., et al. (See Macdonald, Mott W., assignor.)
Hibbard, Truman, assignor, by mesne assignments, to Electric Machinery Mfg. Company, Minneapolis, Minn. Self-starting synchronous motor. 1,535,774; Apr. 28.
Hill, F. H., Company. (See Falck, Joseph, assignor.)
Hillebrand, Henry, Saratoga Springs, N. Y. Hair-holding device. 1,535,309; Apr. 28.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,535,835; Apr. 28.
Hilmer, Edwin L., Hagersville, Pa. Traffic signal for automobiles. 1,535,836; Apr. 28.
Himes, Walter H., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic welding machine. 1,535,605; Apr. 28.
Hindle, George, et al. (See Greenway, Mariett, assignor.)
Hines, Charles S. (See Ong, Murray L., assignor.)
Hines, Ernest, assignor of one-half to W. H. Diederich, Fort Wayne, Ind. Window-sash lock. 1,535,156; Apr. 28.
Hirsch, Louis. (See Leconte, H., and Hirsch.)
Hobe, William W., New York, N. Y. Button. Des. 67,143; Apr. 28.
Hobson, Stanley H., assignor to Geo. D. Roper Corporation, Rockford, Ill. Gear pump. 1,535,310; Apr. 28.
Hochhers, Carl. (See Bayer, G., and Hochhers.)
Hodgkins, Albert A., assignor to The American Fabrics Company, Bridgeport, Conn. Shoulder strap for wearing apparel. 1,535,666; Apr. 28.
Hoe, R., and Co. (See Roesen, Oscar C., assignor.)
Hoffman, Michael, Los Angeles, Calif. Log-removing device. 1,535,469; Apr. 28.
Hoffman, Rudolph, Kankakee, Ill. Baseball game device. 1,535,918; Apr. 28.
Hollander, Aladar, Berkeley, Calif. Deep-well pump head. 1,535,414; Apr. 28.
Hollander, Aladar, Berkeley, Calif. Screw pump. 1,535,415; Apr. 28.

Holley, Earl. (See Dostal, Joseph L., assignor.)
Holley, George M. (See Eynon, George A., assignor.)
Hollaway, William T., Alliance, Ohio, assignor of one-half to H. A. Simms, sr., Chicago, Ill., and W. A. McCullough, Alliance, Ohio. Loading and unloading truck. 1,535,775; Apr. 28.
Hollister, George S., Burkburnett, Tex., assignor to J. B. Pauley, trustee, Chicago, Ill. Oil-well heater. 1,535,776; Apr. 28.
Hollister, L. L. (See McLamore, Frederick M., assignor.)
Holloway, Arthur P., and S. Peacock, assignors to Wheeling Steel Corporation, Wheeling, W. Va. Producing substantially pure iron. 1,535,311; Apr. 28.
Holtzer-Cabot Electric Company, The. (See Baker, Randall B., assignor.)
Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Hopkins, Nevil M., New York, N. Y. Collapsible tube. 1,535,529; Apr. 28.
Hopkins, Thomas O., and S. H. Easterday, Kansas City, Mo.; said Easterday assignor to said Hopkins. Scissors sharpener. 1,535,470; Apr. 28.
Hopkinson, Joseph, assignor to International Scale Company, Dayton, Ohio. Weighing scale. 1,535,416; Apr. 28.
Horley, Louis. (See Brejska, Anthony C., assignor.)
Horne, Archibald B., Springfield, Mass. Golf-club shaft or handle. 1,535,667; Apr. 28.
Horst, Ludwig, Berlin-Wilmersdorf, Germany. Photographic device. 1,535,606; Apr. 28.
Hosking, Richard T., Wilmette, Ill. Waterproof covering for cameras. 1,535,312; Apr. 28.
Hostetler, Francis B., Kokomo, Ind. Governor mechanism for internal-combustion engines. 1,535,723; Apr. 28.
Hotchkin, Paul M., assignor to The National X-Ray Reflector Company, Chicago, Ill. Color lighting attachment for reflectors. 1,536,004; Apr. 28.
Housteau, Grant L., Youngstown, Ohio. Window screen. 1,536,005; Apr. 28.
Howard, William H. L., Washington, D. C. Glare eliminator for automobiles. 1,536,006; Apr. 28.
Howard, William R., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for treating hydrocarbons. 1,535,724; Apr. 28.
Howard, William R., assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbons. 1,535,725; Apr. 28.
Howell, Eshue K., Chicago, Ill. Hair clipper. 1,535,471; Apr. 28.
Hoxie, Vernon, and M. C. Epke, assignors to Peerless Wire & Fence Company, Adrian, Mich. Method and apparatus for manufacturing hard-steel fenceposts. 1,535,777; Apr. 28.
Huber, Frederick W., Riverside, Calif. Locating water-bearing strata in bore holes. 1,536,007; Apr. 28.
Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Open impeller. 1,535,417; Apr. 28.
Hughes, Arthur L., and F. E. Poindexter, St. Louis, Mo. Mercury-vapor trap. 1,535,157; Apr. 28.
Hughes, James V., New Florence, Pa. Lamp globe. Des. 67,144; Apr. 28.
Hummel, Charles F., Ilion, N. Y. Die-casting machine. 1,535,313; Apr. 28.
Humphrey, Alfred H., New York, N. Y. Radiating element for gas heaters. 1,535,472; Apr. 28.
Humphrey, Alfred H., New York, N. Y., assignor to General Gas Light Company, Kalamazoo, Mich. Manufacturing radiating elements for gas heaters. 1,535,473; Apr. 28.
Hunt, Frederick W., Pasadena, Calif. Signal device. 1,536,008; Apr. 28.
Hupka, Gustav, Lausanne, Switzerland. Manufacture of wigs. 1,535,530; Apr. 28.
Hussmann, Harry L., Refrigerator & Supply Company. (See Jostedt, Theodore A., assignor.)
Hyde, Claude C., Otisville, N. Y. Knitted fabric. Des. 67,145; Apr. 28.
Hydro Vacuum Elevator Company. (See Colpitts, Fawcett H., assignor.)
Improved Paper Machinery Company. (See Haug, Anton J., assignor.)
Industrial Chemical Company. (See Wickenden, Leonard, assignor.)
Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)
Ingersoll-Rand Company. (See Stage, Harold L., assignor.)
Ingersoll-Rand Company. (See Wilhelm, Russell H., assignor.)
Ingham, Walter E., Newington, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Lathe. 1,535,158; Apr. 28.
International Harvester Company. (See Benjamin, Bert R., assignor.)
International Scale Company. (See Hopkinson, Joseph, assignor.)
Interstate Cotton Pickers. (See Schofield, Eugene H., assignor.)
Irwin, James W., and E. L. McDonald, San Francisco, Calif. Door-release mechanism. 1,535,919; Apr. 28.
Isaachsen, Isak, assignor, by mesne assignments, to A/S Krystal, Christiania, Norway. Heat-transmission tube. 1,535,531; Apr. 28.
Iseman, Richard B., assignor, by mesne assignments, to Auto Turn Company, Clarion, Pa. Automobile turntable. 1,535,607; Apr. 28.
Isliker-Brauen, Gottfried, Bruggen, St. Gallen, Switzerland. Bookbinding machine. 1,535,418; Apr. 28.
Jackson, Daniel D., Brooklyn, N. Y., J. D. Sears, Bloomfield, and F. Conlin, Westfield, N. J., assignors to J. T. Pratt, New York, D. D. Jackson, Brooklyn, N. Y., and J. D. Sears, Bloomfield, N. J., trustees. Desulphurising iron, steel, ferro alloys, and compositions of matter for use therein. 1,535,227; Apr. 28.
Jackson, Daniel D., et al., joint trustee. (See Conlin, Frederick, assignor.)
Jackson, Daniel D., et al., trustees. (See Jackson, D. D., Sears, and Conlin, assignors.)
Jackson, Thomas H., Philadelphia, Pa. Window-sash fastener. 1,535,226; Apr. 28.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Pump. 1,536,474; Apr. 28.
Jaeger, Gebhard, Columbus, Ohio. Concrete mixer. 1,535,159; Apr. 28.
Jaeger, Henry G., Rose Hill, assignor of one-fourth to E. E. Lambertson, one-fourth to G. P. Clements, Eagle Rock City, and one-fourth to J. Schneider, Los Angeles, Calif. Plastic composition and process. 1,535,726; Apr. 28.
Janisch, Leopold, Berlin, Germany, assignor to General Electric Company. Electropneumatic control system. 1,536,009; Apr. 28.
Járfás, Josef, jr., Busau, Hungary, assignor of one-half to E. Pápay, Winnipeg, Manitoba, Canada. Fastening means for seed-planter attachments for wheeled plows. 1,535,419; Apr. 28.
Jeansen, Carl F., and E. F. Stone, Washington, D. C. Airplane catapult. 1,535,475; Apr. 28.
Jette, Archie N., Anaconda, Mont. Rabble furnace. 1,535,160; Apr. 28.
Jeunehomme, Dieudonné. (See Collin, A., and Jeunehomme.)
Johansson, C. E., Inc. (See Aldeborgh, Erik H., assignor.)
Jonlan, Megordich M., Chelsea, Mass. Beehive attachment. 1,535,920; Apr. 28.
Johnson, Alvin L., Springfield, assignor of forty-eight per cent to W. Goulding, Holden, and four per cent to A. E. Fay, Worcester, Mass. Double-screw jack. 1,535,727; Apr. 28.
Johnson, George T. (See Whitridge, J. C., Johnson, and Wolfe.)
Johnson, John O., Nakina, Ontario, Canada. Lubricator. 1,536,010; Apr. 28.
Johnson, Joseph A., Niagara Falls, N. Y., and H. M. King, Niagara Falls, Ontario, Canada. Electrical switch. 1,535,778; Apr. 28.
Johnson, M. M., Company, The. (See Brown, Lucius A., assignor.)
Johnson, William W., jr., assignor to Eddystone Manufacturing Co., Inc., Eddystone, Pa. Heater for Schreiner rolls. 1,535,608; Apr. 28.
Johnston, Frank B., New York, N. Y., assignor to American Safety Device Company. Scaffold bench and anchor. 1,536,779; Apr. 28.
Jones, Ap Trevor, assignor to American Steel Foundries, Chicago, Ill. Stockless anchor. 1,535,420; Apr. 28.
Jones, George J., and E. J. Blanning, New Castle, Pa. Friction wrench. 1,536,011; Apr. 28.
Jones, Howard B., Evanston, Ill. Electrical connection device. 1,535,780; Apr. 28.
Jones, John E., West Frankfort, Ill., assignor to Mine Safety Appliances Company, Pittsburgh, Pa. Anemometer. 1,535,421; Apr. 28.
Jones, Percival W., Providence, R. I., assignor to Bay State Optical Company, Attleboro, Mass. Eyeglass construction. 1,535,781; Apr. 28.
Jones, W. A. Optical Company, The. (See Kintner, Alcuin E., assignor.)
Jordan, Harry I., Auburn, Me., assignor to Lamine Manufacturing Company. Fabricated wood shaft. Re16,058; Apr. 28.
Joslin, Omar T., Cincinnati, Ohio. Product produced from sulphonic acids and proteids and process of making. 1,536,012; Apr. 28.
Jostedt, Theodore A., assignor to Harry L. Hussmann Refrigerator & Supply Company, St. Louis, Mo. Hinge. 1,535,668; Apr. 28.
Julian, Warner J., Coffeyville, Kans. Burner. 1,536,013; Apr. 28.
Julin, Victor T., Djursholme-Danderyd, Sweden. Therapeutic-light apparatus. 1,535,314; Apr. 28.
Junggren, Oscar, Schenectady, N. Y., assignor to General Electric Company. Packing for elastic-fluid turbines and the like. 1,536,014; Apr. 28.
Kadel, Byers W., Baltimore, Md. Car-door mechanism. 1,536,015; Apr. 28.
Kadel, Byers W., Baltimore, Ind., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,535,315; Apr. 28.
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. 1,535,316; Apr. 28.

Kagan, Alexander, assignor, by mesne assignments, to Weiner Brothers, Inc., New York, N. Y. Printed cloth. Des. 67,146; Apr. 28.
Kahn, Bertrand B., Cincinnati, assignor to The Estate Stove Company, Hamilton, Ohio. Stove. 1,535,476; Apr. 28.
Kalmus, Comstock & Wescott, Inc. (See Troland, Leonard T., assignor.)
Kane, Thomas H., assignor to Truscon Steel Company.
Kane, Thomas H., assignor to Truscon Steel Company, Youngstown, Ohio. Welding-machine guide. 1,535,477; Apr. 28.
Kanowitz, Samuel B., Greensburg, Pa., and H. A. Webster, Columbia, Tenn.; said Kanowitz assignor of his right to Raymond Brothers Impact Pulveriser Company, Chicago, Ill. Separating high-content phosphate from low-content phosphate and clay or the like. 1,535,120; Apr. 28.
Kavanagh, Peter, New York, N. Y. Guard for gas stoves. 1,536,016; Apr. 28.
Keeler Brass Company. (See Keeler, Isaac S., assignor.)
Keeler, Isaac S., assignor to Keeler Brass Company, Grand Rapids, Mich. Latch. 1,535,478; Apr. 28.
Keeran, Charles R., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill. Pencil. 1,536,017; Apr. 28.
Keith, Clifton N., Springfield, Ohio. Finger ring. Des. 67,147; Apr. 28.
Keller, Harvey L. (See Cleveland, J. G., and Keller.)
Kelley, Edward, Altoona, Pa. Adjustable bushing. 1,536,018; Apr. 28.
Kelley, John F., Chicago, Ill. Drain cock. 1,536,019; Apr. 28.
Kelly, Michael C., Minneapolis, Minn. Necktie. 1,535,669; Apr. 28.
Kelly, William J., assignor of one-third to H. I. Bernhard, Brooklyn, N. Y. Making shoes. 1,535,609; Apr. 28.
Kellogg, Herbert C., Detroit, Mich. Refrigerating apparatus for soda fountains. 1,535,479; Apr. 28.
Kelvinator Corporation. (See Mercer, William D., assignor.)
Kendall, William G., Newark, N. J., assignor to H. Bigaud, Paris, France. Vanity case or similar article of manufacture. Des. 67,148; Apr. 28.
Keaner, Nora L., Cordell, Okla. Dishwasher. 1,536,020; Apr. 28.
Keyes, Charles E., Albany, N. Y. Bridle for broom heads. 1,535,161; Apr. 28.
Kenward Collapsible (Steel) Barrel Company Limited, The. (See Hele-Shaw, H. S., and Tribe, assignors.)
Kidd, William, Minneapolis, Minn. Golf club. 1,535,670; Apr. 28.
Kime, Charles G., assignor to The Burch Plow Works Co., Crestline, Ohio. Culvert pipe. 1,535,162; Apr. 28.
King, Frank O., Glencoe, Ill. Scenic effect. 1,535,782; Apr. 28.
King, Harry M. (See Johnson, J. A., and King.)
King, Joseph M. S., East Mill Creek, Utah. Receiver. 1,536,480; Apr. 28.
Kintner, Alcuin E., Painesville, assignor to The W. A. Jones Optical Company, Cleveland, Ohio. Optical demonstrating device. 1,535,168; Apr. 28.
Kjelgaard, Gregers G. B., Hoosick Falls, N. Y. Swimming apparatus. 1,535,481; Apr. 28.
Klemm, Hanns, Sindelfingen, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany. Hinge for windows and doors of motor cars. 1,535,783; Apr. 28.
Kling, Fred E., Youngstown, Ohio. Ladle. 1,535,482; Apr. 28.
Klingel, Charles F., Irvington, N. J. Motor-vehicle signal. 1,535,164; Apr. 28.
Knutsen, Alfred W., assignor to A. V. Rowe, Galesburg, Ill. Attachment for tractors and motor vehicles. 1,535,483; Apr. 28.
Koehnline, Irvin J., Bridgeport, Ohio, and S. Peacock, Wheeling, W. Va. Annealing steel sheets. 1,535,317; Apr. 28.
Koehnline, Irvin J., Bridgeport, and W. E. Armstrong, Martins Ferry, Ohio. Apparatus for electroplating. 1,535,318; Apr. 28.
Koenig, Harry A., Philadelphia, Pa. Steam pressing iron. 1,535,537; Apr. 28.
Koenke, Reinhold, Milwaukee, Wis. Flask pin. 1,535,671; Apr. 28.
Koerner, Ewald, Dresden, Germany, assignor to United Cigarette Machine Company, Inc., Lynchburg, Va. Trestle or container for receiving manufactured cigarettes. 1,535,784; Apr. 28.
Koerperich, Joseph V., and L. J. Hauser, Epworth, Iowa. Feed box for stock. 1,535,165; Apr. 28.
Kohl, Elisabeth G., Burlingame, Calif. Game table. 1,535,484; Apr. 28.
Kolb, Petrus van S., Philadelphia, Pa., assignor to The Electric Tachometer Corporation. Step-by-step motor. 1,536,021; Apr. 28.
Kopper, Edward. (See McNair, H. H., and Kopper.)
Kops, Waldemar, assignor to Nemo Circlet Company, Inc., New York, N. Y. Brassière. 1,535,838; Apr. 28.
Kramer, Alexander E., Brooklyn, N. Y. Door-operating mechanism. 1,535,228; Apr. 28.
Kuhn, John W., Chillicothe, Ohio. Collapsible core or mandrel. 1,536,022; Apr. 28.
Kuhn, John W., Chillicothe, Ohio. Cushion tire. 1,536,023; Apr. 28.
Kullberg-Mayer, Olof. (See Dahl, Sten T., assignor.)
Kusterer, Aloysius J., assignor to Consolidated Paper and Box Manufacturing Company, Richmond, Va. Binder-blank feed mechanism. 1,535,819; Apr. 28.
Kvaal, Albert, Christiania, Norway. Connection piece for cable heads. 1,536,024; Apr. 28.
Lamb, Charles, and D. S. Radford, Los Angeles, Calif. Piston sleeve. 1,536,025; Apr. 28.
Lambden, Frederick. (See Gettell, Travilla C., assignor.)
Lambertson, Everett E., et al. (See Jaeger, Henry G., assignor.)
Lambertus, Peter, Indianapolis, Ind. Vehicle wheel. 1,535,121; Apr. 28.
Lamino Manufacturing Company. (See Jordan, Harry I., assignor.)
Lampre, Celestin, Elyria, Ohio. Shock absorber. 1,535,921; Apr. 28.
Lancaster Iron Works, Inc. (See Frey, Ivan C., assignor.)
Lane, Henry G., near Colquitt, Ga. Gate. 1,535,820; Apr. 28.
Langfelder, John P., Jamaica, assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company, Inc., Garden City, N. Y. Aeroplane. 1,535,532; Apr. 28.
Langsdorf, S., & Co. (See Langsdorf, Walter M., assignor.)
Langsdorf, Walter M., assignor to S. Langsdorf & Co., Inc., New York, N. Y. Vanity case. Des. 67,149; Apr. 28.
Langston, Walter J., Three Rivers, Quebec, Canada. Centrifugal casting machine. 1,535,610; Apr. 28.
Lantieri, Gabriel, Jersey City, N. J. Permanent hair-waving machine. 1,535,122; Apr. 28.
Lantieri, Gabriel, Jersey City, N. J. Electric heater for permanent-waving machines. 1,535,123; Apr. 28.
Larsen, Oscar, Brooklyn, N. Y. Talking-machine light switch. 1,535,922; Apr. 28.
Larsen, Peter L., and J. O. Ellis, assignors of one-ninth to E. McDonald and two-ninths to L. G. Taylor, Paul, Idaho. Stone-gathering machine. 1,535,321; Apr. 28.
Larsen, William G., Stager, Ill. Skate. 1,535,422; Apr. 28.
Latshaw, Elmer, assignor to The J. G. Brill Company, Philadelphia, Pa. Car truck. 1,535,229; Apr. 28.
Latshaw, Elmer, assignor to The J. G. Brill Co., Philadelphia, Pa. Car truck. 1,535,230; Apr. 28.
Latta, Charles, St. Louis, Mo. Internal-combustion engine. 1,535,423; Apr. 28.
Latta, Emmit G., Syracuse, N. Y. Typewriting machine. 1,535,322; Apr. 28.
Laughlin, Robert, Buffalo, assignor to Commercial Electrolytic Corporation, New York, N. Y. Gun-cleaning compound and preparing same. 1,535,124; Apr. 28.
Lauderville, Joseph S., Oakland, Calif. Selective coin-operative device. 1,535,424; Apr. 28.
Leach, Robert F. (See Maddox, Gustavus A., assignor.)
Leake, Richard C., assignor to General Railway Signal Company, Rochester, N. Y. Mechanical time release. 1,535,923; Apr. 28.
Leconte, Henri, and L. Hirsch, Paris, France. Fluid-fuel burner. 1,535,166; Apr. 28.
Leddick, George S., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,535,924; Apr. 28.
Lee, Arthur, assignor of one-half to R. A. Shirek, New York, N. Y. Figure toy. 1,535,925; Apr. 28.
Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Auxiliary melting device. 1,535,231; Apr. 28.
Lee, George E., assignor to The George E. Lee Company, Cleveland, Ohio. Auxiliary melting device. 1,535,232; Apr. 28.
Lee, George E., Company, The. (See Lee, George E., assignor.)
Lee, Ottar S., assignor to The Nye Tool & Machine Works, Chicago, Ill. Thread-Cutting Die. 1,535,728; Apr. 28.
Leech, Jacob T., Beaver, assignor to Union Drawn Steel Company, Beaver Falls, Pa. Twister. 1,535,823; Apr. 28.
Lefrak, Harris, New York, N. Y. Infusion cartridge. 1,535,533; Apr. 28.
Lemon, Orlando A., York, Nebr. Automatic hog-oiling device. 1,535,839; Apr. 28.
Leonard, Frederick C., assignor to Leonard-Rooke Company, Providence, R. I. Thermostatic valve. 1,535,485; Apr. 28.
Leonard, Harry A., assignor to Draper Corporation, Hopedale, Mass. Builder mechanism for yarn winding and winning machines. 1,535,729; Apr. 28.
Leonard-Rooke Company. (See Leonard, Frederick C., assignor.)
Leone, Anthony, Greensburg, Pa. Pool-table pocket. 1,535,926; Apr. 28.
Le Roux, Alexander A., Lake Placid, N. Y. Razor sharpener. 1,535,611; Apr. 28.
Levy, Howard S., et al. (See Hays, H. E., and Cornelissen, assignors.)
Levy, Lionel F., et al. (See Hays, H. E., and Cornelissen, assignors.)

Link, Vincent, Detroit, Mich., assignor to Studebaker Corporation, Brake mechanism. 1,535,730; Apr. 28.
Lippe, Emery J., Fountain Hill, Pa. Apparatus for spinning. 1,535,840; Apr. 28.
Little, Thomas P., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Assembling device for tube-end clamps. 1,535,367; Apr. 28.
Little, Thomas P., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Stock rack. 1,535,425; Apr. 28.
Livingston, S. P. (See Stewart, Vincent J., assignor.)
Llewellyn, George A., New York, N. Y. Floral-bouquet holder. Des. 67,150; Apr. 28.
Lockwood, Henry S., assignor to The Lockwood Manufacturing Company, South Norwalk, Conn. Casement adjuster. 1,535,672; Apr. 28.
Lockwood Manufacturing Company, The. (See Lockwood, Henry S., assignor.)
Loewer, Henry F., Rochester, N. Y. Machine for turning irregular objects. 1,535,673; Apr. 28.
Look, Carrol A., Los Angeles, Calif. Beverage cooler. 1,535,927; Apr. 28.
Lorenz, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,535,324; Apr. 28.
Lorenz, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,535,325; Apr. 28.
Lorenz, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,535,326; Apr. 28.
Lorenz, William A., Hartford, Conn., assignor to United States Hat Machinery Corporation, New York, N. Y. Machine for shrinking felt articles. 1,535,328; Apr. 28.
Lösel, Franz, Brunn, Czechoslovakia. Blading of axial turbines. 1,535,612; Apr. 28.
Loudon, Dorr F., New York, N. Y. Drain table. 1,535,928; Apr. 28.
Lovell, Christopher H., St. Louis, Mo. Scooter. 1,535,167; Apr. 28.
Lowry, Julius C., Detroit, Mich. Electric-lighting fixture. Des. 67,151; Apr. 28.
Lubart, Morris. (See Posee, M., and Lubart.)
Luce, Grafton E., Chicago, Ill. Chain curve. 1,535,785; Apr. 28.
Ludlow, George M., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Thermostatic support for scale springs. 1,535,426; Apr. 28.
Ludwig, Homer W., Pittsburgh, Pa. Display stand. 1,535,929; Apr. 28.
Lundgren, Conrad, and E. Hedin, Jamestown, N. Y. Slide for extension tables. 1,535,427; Apr. 28.
Lundy, James W., San Francisco, Calif. Electric-lamp bulb. 1,535,486; Apr. 28.
Lupien, Louis A., assignor to Edwin B. Stimpson Company, Brooklyn, N. Y. Fastener. 1,535,841; Apr. 28.
Luschenowsky, Alexander, Vienna, Austria. Wedge gear. 1,535,487; Apr. 28.
Lynn, Alger M. (See Richardson, B. E., and Lynn.)
Maag, Max, assignor of one-half to the Firm Maag-Zahnräder & Maschinen A.-G., Zurich, Switzerland. Precision feeler apparatus for grinding machines. 1,535,615; Apr. 28.
Maag-Zahnräder & Maschinen A.-G. (See Maag, Max, assignor.)
MacAleese, Frederic L., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Hose or tubing stripping apparatus. 1,535,368; Apr. 28.
Macdonald, Donald, Melbourne, Victoria, Australia. Thermic telltale. 1,535,536; Apr. 28.
MacDonald, John W. F., Brighton, Mass. Fluid-mixing device. 1,535,428; Apr. 28.
MacDonald, Malcolm M., Tacoma, Wash. Built-in piano. 1,535,842; Apr. 28.
Macdonald, Mott W., Bay View, Irondequoit, assignor of one-fourth to A. F. Hettig, one-fourth to O. F. Gurney, and one-fourth to C. G. Samuelson, Rochester, N. Y. Film-spool-locking device. 1,535,930; Apr. 28.
MacGahan, Paul, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Casing structure. 1,535,616; Apr. 28.
MacGregor-Morris, John T., and F. R. F. Ramsay, London, England. Obtaining the polar diagram of an alternating-current wave. 1,535,329; Apr. 28.
MacLeod, John. (See Wilson, Frank R., assignor.)
Macrini, Alfred F., New York, N. Y. Hack saw. 1,535,931; Apr. 28.
Maddox, Gustavus A., assignor of one-half to R. F. Leach, jr., Baltimore, Md. Container closure and cap remover. 1,535,488; Apr. 28.
Madison, James. (See Whitlock, E. L., and Madison.)
Magley, Merrill F., Columbia City, assignor of one-half to H. W. Soest, Churubusco, Ind. Pulley. 1,535,369; Apr. 28.
Maier, George E., Los Angeles, Calif. Boiler-flue construction. 1,535,235; Apr. 28.
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Top construction for vehicle bodies. 1,535,236; Apr. 28.
Majeski, Walter, New York, N. Y. Adjustable reed in wind instruments. 1,535,537; Apr. 28.
Malm, Johan F., assignor to J. H. Wald, Chicago, Ill. Bag tie. 1,535,782; Apr. 28.
Malouf, Abraham M., New York, N. Y. Garter. 1,535,617; Apr. 28.
Mancha, Raymond, assignor to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Electric storage-battery locomotive. 1,535,175; Apr. 28.
Mancha Storage Battery Locomotive Company. (See Mancha, Raymond, assignor.)
Manning, Bowman & Company. (See Savage, G. B., and Wilkinson, assignors.)
Manning, Joseph G., Chicago, Ill. Index and cross feed mechanism. 1,535,932; Apr. 28.
Marinos, John, New York, N. Y., assignor of one-half to M. W. Emmett, Seattle, Wash. Soldering iron. 1,535,933; Apr. 28.
Marquette, Melvon A., assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making tire beads. 1,535,429; Apr. 28.
Martin, Jack, New York, N. Y., assignor to The Guarantee Finding Co., Inc., Newark, N. J. Finger ring. Des. 67,152; Apr. 28.
Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
Maserang, John B., Belleville, Ill. Mail-box signal. 1,535,677; Apr. 28.
Maskery, Arthur C. (See Ramsey, C. H., and Maskery.)
Mattatuck Manufacturing Company, The. (See Raeburn, William, assignor.)
Matthes, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-conductor insulator. 1,535,733; Apr. 28.
Maxfield, Joseph P., Maplewood, N. J., and H. C. Harrison, Port Washington, assignors to Western Electric Company, Incorporated, New York, N. Y. Vibratory system. 1,535,538; Apr. 28.
Mayer, Edward C., Butte, Mont. Flexible electromagnet. 1,535,618; Apr. 28.
Maynes Corporation. (See Maynes, Hyla F., assignor.)
Maynes, Hyla F., North Tonawanda, N. Y., assignor to Maynes Corporation, Dover, Del. Amusement apparatus. 1,535,237; Apr. 28.
Mays, Cecil A., East Akron, Ohio. Sander or surfacing machine. 1,535,489; Apr. 28.
McAnly, Louis C. (See Rockwood, G. O., McAnly, and Skelley.)
McCan, David G., Lancaster, assignor of one-half to C. D. Ehret, Philadelphia, Pa. Apparatus for producing oscillations. 1,535,674; Apr. 28.
McCauley, George V., assignor to Corning Glass Works, Corning, N. Y. Blow iron. 1,535,168; Apr. 28.
McColl, Francis P., Ridgewood, N. J., and W. W. Willison, Brooklyn, N. Y., assignors, by mesne assignments, to Thermokept Corporation. Self-sealing, soluble coffee tablet and making same. 1,535,233; Apr. 28.
McComas, Jesse, Los Angeles, Calif. Telephone index. 1,535,843; Apr. 28.
McCullough, Walter A., et al. (See Hollaway, William T., assignor.)
McDonald, Eddie, et al. (See Larsen, P. L., and Ellis, assignors.)
McDonald, Ervan L. (See Irwin, J. W., and McDonald.)
McDonald, Pearl, and E. O. Call, Marion, Ohio. Pipe wrench. 1,535,534; Apr. 28.
McDougall, John, Auckland, New Zealand. Tightening the strings of tennis rackets. 1,535,125; Apr. 28.
McFadden, James H., Farmer, S. Dak. Smoking pipe. 1,535,934; Apr. 28.
McFarlane, Jesse A., Milwaukee, Wis. Propeller for flying machines or the like. 1,535,613; Apr. 28.
McGowen, William R., Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. 1,535,169; Apr. 28.
McGowen, William R., Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Fender guard. 1,535,170; Apr. 28.
McGowen, William R., Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Adjustable bumper for vehicles. 1,535,171; Apr. 28.
McGowen, William R., Chicago, Ill., assignor to United States Chain & Forging Company, Pittsburgh, Pa. Vehicle bumper. 1,535,172; Apr. 28.
McGowen, William R., McKees Rocks, assignor to United States Chain & Forging Company, Pittsburgh, Pa. Bumper bracket. 1,535,173; Apr. 28.
McGregor, Alexander G., Warren, Ariz. Feeding powdered coal to blast furnaces. 1,535,174; Apr. 28.
McKune, Frank B., Hamilton, Ontario, Canada. Slag skimmer. 1,535,781; Apr. 28.
McLean, Anthony E., and J. M. Sprague, Fullerton, Calif. Rotary jar. 1,535,935; Apr. 28.
McLemore, Frederick M., assignor, by mesne assignments, to L. L. Hollister, Los Angeles, Calif. Extended-load danger signal for vehicles. 1,535,844; Apr. 28.
McMurtie, William B., and J. W. Moore, Shidler, Okla. Casing-ripping device. 1,535,234; Apr. 28.
McNair, Henry H., and E. Kopper, St. Paul, Minn. Golf game. 1,535,126; Apr. 28.
McPherson, Andrew, Ward, S. Dak. Hog sprayer. 1,535,614; Apr. 28.
McQuillan, Harry J., Farrell's Flat, South Australia, Australia. Header and thrasher harvester. 1,535,535; Apr. 28.
McWane, James R., Birmingham, Ala. Pipe-foundry plant. 1,535,675; Apr. 28.

McWane, James R., Birmingham, Ala. Apparatus for casting pipe or the like horizontally. 1,535,676; Apr. 28.
Mechano Gear Shift Company. (See Richardson, B. E., and Lynn, assignors.)
Mee, Thomas, jr., Clinton, Ill. Electric lantern. 1,535,845; Apr. 28.
Meehan, Paul A., assignor to American Dresaler Tunnel Kilns, Inc., Cleveland, Ohio. Brick-stack lifter. 1,535,430; Apr. 28.
Meilicke, Carl A., Chicago, Ill. Signal-lamp casing. Des. 67,153; Apr. 28.
Meiselbach, August D., Chicago, Ill. Manufacturing metal articles. 1,535,370; Apr. 28.
Mendelson, Louis R., Cleveland, Ohio. Burner. 1,535,431; Apr. 28.
Mennen Company, The. (See O'Neill, Louis R., assignor.)
Mercer, William D., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Compressor unit. 1,535,936; Apr. 28.
Mercier, Alonzo J. (See Beans, J. F., and Mercier.)
Mergier, Paul L., and H. E. Guiberteau, Paris, France. Device for the graphic representation of functions. 1,536,040; Apr. 28.
Merrell, George P., Incorporated. (See Adams, Frank A., assignor.)
Merrill, Frank A., Malden, Mass. Radiator construction. 1,535,871; Apr. 28.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Multibarrel gun. 1,535,619; Apr. 28.
Meyercord Company, The. (See Stevens, Norman L., assignor.)
Michigan Valve Foundry and Engineering Company. (See Flower, John W., assignor.)
Middledith, James F., Plainfield, N. J., assignor to The J. G. Wilson Corporation, New York, N. Y. Sliding door and structure containing the same. 1,535,127; Apr. 28.
Milbradt, Gustave A., McKnight Road, Mo. Ladder. 1,535,432; Apr. 28.
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller, John E., Marseilles, Ill., assignor to Certain-teed Products Corporation, St. Louis, Mo. Stacking machine. 1,535,678; Apr. 28.
Miller, Royal R., Chicago, Ill., assignor to Miller Traction Tread Company. Leveling means. 1,535,846; Apr. 28.
Miller Rubber Company. (See Steele, C. W., and Griffiths, assignors.)
Miller, Stephen S., assignor to The Mohawk Rubber Company, Akron, Ohio. Tire tread. Des. 67,154; Apr. 28.
Miller, Thomas S., South Orange, N. J. Thrust mechanism. 1,535,238; Apr. 28.
Miller Traction Tread Company. (See Miller, Royal R., assignor.)
Miller Train Control Corporation, The. (See Murray, William B., assignor.)
Millholland, James H., assignor to John B. Clement Company, Inc., Philadelphia, Pa. Floor-waxing device. 1,535,937; Apr. 28.
Millican, Joe. (See Parks, Henry, assignor.)
Mills, Chester B., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Centrifugal casting. 1,535,830; Apr. 28.
Milne, Alexander. (See Bamberger, Henry, assignor.)
Milner, Nugent, assignor to Graham Brothers, Evansville, Ind. Stake retainer for vehicles. 1,535,128; Apr. 28.
Milwaukee Brass Manufacturing Company. (See Van Ewyck, William F., assignor.)
Mine Safety Appliances Company. (See Jones, John E., assignor.)
Mitton, William E., New London, Wis., assignor to The Borden Company, New York, N. Y. Machine for stamping cans. 1,535,539; Apr. 28.
Modlin, Thomas B., assignor of one-third to H. Black and one-third to L. C. Scheinimann, Hurdland, Mo. Rail tie. 1,535,239; Apr. 28.
Mohawk Rubber Company, The. (See Miller, Stephen S., assignor.)
Moller, Edvard M. (See Benedict, H. A., and Moller.)
Monacelli, Emidio, and A. Pagnanelli, New York, N. Y. Film-splicing apparatus. 1,535,129; Apr. 28.
Moody, Ilson, Pontiac, Mich. Carburetor attachment. 1,535,938; Apr. 28.
Moore, John W. (See McMurtie, W. B., and Moore.)
Moore, Marcus D., Waveland, assignor to Frankfort Novelty Company, Frankfort, Clinton County, Ind. Can opener. 1,536,026; Apr. 28.
Moore, Raymond H., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Sand-blast-feeding machine. 1,535,939; Apr. 28.
Moore, William E., Beaver Falls, Pa., assignor to Pittsburgh Research Corporation. Electric furnace. Re16,054; Apr. 28.
Moore, William J., Philadelphia, Pa. Mop. 1,535,540; Apr. 28.
Moran, Myles F., East Lynn, Mass. Strip-winding mechanism and reel. 1,535,872; Apr. 28.
Morgan, Chester F., Mount Vernon, Ill. Antiskid device. 1,535,620; Apr. 28.
Morgan, Merton W., Baltimore, assignor to Poole Engineering and Machine Company, Woodberry, Md. Rotary-shaft coupling. 1,535,621; Apr. 28.
Morgan, Myles, Worcester, assignor, by mesne assignments, to Greenfield Tap and Die Corporation, Greenfield, Mass. Grinding machine. 1,535,331; Apr. 28.
Morgan, William A., Los Angeles, Calif. Battery indicator and cut-out. 1,535,622; Apr. 28.
Morrell, Walter A., assignor of one-half to A. J. Osborn, Chicago, Ill. Two-cycle gas engine. 1,535,433; Apr. 28.
Morris, Norman H., London, England. Furnace adapted for burning oil and other projectable fuels. 1,535,332; Apr. 28.
Morris, William L., Chicago, Ill., assignor to Electric Oil Syndicate. Controller for fuel igniters. 1,535,240; Apr. 28.
Morrison Machine Company. (See Ramsey, C. H., and Maskery, assignors.)
Morsch, Jesse J., Douglas, Wyo. Valve-actuating mechanism. 1,535,736; Apr. 28.
Morse, Albert W., Long Island City, N. Y. Valve. 1,535,333; Apr. 28.
Mortimer, Charles W., Brooklyn, N. Y. Making shingle strips. 1,536,027; Apr. 28.
Moses, Kirke L., Brookline, Mass. Paper product. 1,535,940; Apr. 28.
Moss, Charles M., Pittsburgh, and R. J. Wentley, Edgewood Park, Pa., assignors to Westinghouse Electric and Manufacturing Company. Automatic substation. 1,535,623; Apr. 28.
Moss, David H., Brooklyn, assignor to C. Brandes, Inc., New York, N. Y. Support for table talker and method of making the same. 1,535,734; Apr. 28.
Motor Player Corporation. (See Hauson, Clinton H., assignor.)
Murray, Samuel. (See Chisholm, A. E., and Murray.)
Murray, William B., Danville, Ill., assignor to The Miller Train Control Corporation, Staunton, Va. Train-control mechanism. 1,535,241; Apr. 28.
Myers, George S., Electra, Tex. Drill collar. 1,535,941; Apr. 28.
Myers, Walter, Bridgeport, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Embroidering machine. 1,536,041; Apr. 28.
Nachumsohn, Irving, Winnipeg, Manitoba, Canada. Remote-control typewriting mechanism. 1,535,176; Apr. 28.
Nardei, Antonio, Delmont, Pa. Chair seat. Des. 67,155; Apr. 28.
National Acme Company, The. (See Smith, Oscar A., assignor.)
National Carbon Company. (See Benner, Raymond C., assignor.)
National Malleable and Steel Castings Company. (See Schwartz, Harry A., assignor.)
National Malleable and Steel Castings Company. (See Spence, Hubert L., assignor.)
National Supply Company, The. (See Schwimmer, Frederick J., assignor.)
National X-Ray Reflector Company, The. (See Hotchkin, Paul M., assignor.)
Naugle, Harry M., and A. J. Townsend, Canton, Ohio. Making Strip Sheets. 1,536,028; Apr. 28.
Neely, James A., Waimate Township, Canterbury, and R. P. Henry, Glenavy, near Waimate, New Zealand. Pneumatic horse collar. 1,535,679; Apr. 28.
Neilson, Christie N., Jackson, Mich. Lubricator indicator. 1,535,434; Apr. 28.
Nemo Circlet Company. (See Kops, Waldemar, assignor.)
Ner-A-Car Corporation. (See Neracher, Carl A., assignor.)
Neracher, Carl A., Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation. Mounting for vehicle wheels. 1,535,435; Apr. 28.
Neracher, Carl A., Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation. Motor cycle. 1,535,680; Apr. 28.
New, Edward A., Great Barrington, Mass. Ice-cutting machine. 1,535,334; Apr. 28.
New Haven Clock Co. (See Porter, W. E., and Whitehead, assignors.)
Newark Watch Case Material Company. (See Bamberger, Henry, assignor.)
Newton, Richard T., New York, N. Y. Automobile bumper. 1,535,847; Apr. 28.
Nicholls, William H., Brooklyn, N. Y. Apparatus for making sand molds. 1,535,335; Apr. 28.
Nicholson, Arthur H., Worcester, England. Air-refrigerating apparatus. 1,535,848; Apr. 28.
Nielsen, Christian, jr., Chicago, Ill. Shutter apparatus for radiators. 1,536,029; Apr. 28.
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nixon, Jeddy D., Houston, Tex. Rod protector. 1,535,336; Apr. 28.
Noble, Robert W., Tauhei, Morrinsville, New Zealand. Apparatus for measuring the quantity of milk given by each cow milked by milking machines. 1,535,541; Apr. 28.
Noda, Matsusaburo, New York, N. Y. Clinical-thermometer tubing. 1,535,849; Apr. 28.
Nordstrom, Edward O., Minneapolis, Minn. Berry box. 1,535,436; Apr. 28.
Norris, Mark A. (See Abraham, C. J., and Norris.)
North American Lace Company. (See Teague, Edwin D., assignor.)

Northridge, John H. (See Snyder, L., and Smith, assignors.)
Northwestern Expanded Metal Company. (See Prange, Henry W. A., assignor.)
Nowocielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Control handle for regulating apparatus. Des. 67,156; Apr. 28.
Nye Tool & Machine Works, The. (See Lee, Ottar S., assignor.)
Nyman, Alexander, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system. 1,535,624; Apr. 28.
O'Bannon, Walter, Tulsa, Okla. Sucker-rod elevator. 1,535,625; Apr. 28.
O'Hara, Eliot, Waltham, Mass. Apparatus for enameling articles. 1,535,850; Apr. 28.
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Brass Company, The. (See Matthes, Samuel S., assignor.)
Ohio Brass Company, The. (See Stolp, Samuel S., assignor.)
Oldham, George, & Son Company. (See Santos, John R. L., assignor.)
Oldroyd, Fred, Cincinnati, Ohio. Loading machine. 1,535,337; Apr. 28.
Oliver Chilled Plow Works. (See Altgelt Rudolph J. and H. E., assignors.)
Oliver Chilled Plow Works. (See Altgelt, R. J., H. E., and Cunningham, assignors.)
Oliver Chilled Plow Works. (See Gallagher, Arthur D., assignor.)
Olmstead, Otto B., Springfield, Mass. Device for supplying moisture. 1,535,681; Apr. 28.
Onderdonk, Lansing, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Looper-thread controller for sewing machines. 1,535,942; Apr. 28.
O'Neill, Louis R., assignor to The Mennen Company, Newark, N. J. Closure device. 1,535,851; Apr. 28.
Ong, Murray L., assignor of forty-five per cent to C. S. Hines, Seattle, Wash. Guide chart for automatic telephone instruments. 1,535,490; Apr. 28.
Oppenheimer, M. H., & Co. (See Bloch, Samson F., assignor.)
Orabo, Christian, Toronto, Ontario, Canada. Biscuit-making apparatus. 1,535,852; Apr. 28.
Osborn, Alfred J. (See Morrell, Walter A., assignor.)
Oswald, Arthur A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. High-power radiotelephony. 1,535,130; Apr. 28.
Overton, Fitahugh L., Shreveport, La. Revolable sign. 1,535,437; Apr. 28.
Pade, Max H., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Conveyer for tire factories. 1,535,338; Apr. 28.
Pagnanelli, America. (See Monacelli, E., and Pagnanelli.)
Palmer-Bee Company. (See Simpson, William E., assignor.)
Pápay, Rosina. (See Járfás, Josef, jr., assignor.)
Parker, Frederick G., sr., Oakland, Calif. Suspender button. 1,535,735; Apr. 28.
Parker, William T., Mobile, Ala. Rail construction. 1,535,628; Apr. 28.
Parkinson, Eleaser, Yorktown, Saskatchewan, Canada. Farm gate. 1,535,177; Apr. 28.
Parks, Henry, Haberfield, near Sydney, assignor to J. Millican, Edgecliffe, near Sydney, New South Wales, Australia. Lantern-type advertisement and picture-displaying apparatus. 1,535,131; Apr. 28.
Parmenter, Sherman L., New Rochelle, N. Y. Tracing and printing device. 1,535,242; Apr. 28.
Partlow, Howard W. Utica, N. Y. Gas burner. 1,535,491; Apr. 28.
Passalacqua, Augusto, Paris, France. Facing sheets or objects of aluminum and the like with sheets of heavy metal. 1,535,492; Apr. 28.
Patten, Ernest L., assignor to L. Candee & Company, New Haven, Conn. Shoe-trimming machine. 1,535,373; Apr. 28.
Paul, J. L. (See Wren, Harvey A., assignor.)
Pauley, James B., trustee. (See Hollister, George S., assignor.)
Payne, Charlie A., Dalton, Ga., assignor to Draper Corporation, Hopedale, Mass. Builder mechanism for winding machines. 1,535,943; Apr. 28.
Peacock, Samuel, Wheeling, W. Va. Electrolytically depositing elemental chromium upon metals. 1,535,339; Apr. 28.
Peacock, Samuel, assignor to Wheeling Steel Corporation, Wheeling, W. Va. Rust-resisting mild steel and producing the same. 1,535,340; Apr. 28.
Peacock, Samuel. (See Holloway, A. P., and Peacock.)
Peacock, Samuel. (See Koehnline, I. J., and Peacock.)
Peerless Wire & Fence Company. (See Hoxie, V., and Epke, assignors.)
Pehde, Daniel, Wichita, Kans. Piano-hammer felt-softening tool. 1,535,853; Apr. 28.
Penticoff, Weldon E., Fergus Falls, Minn. Advertising call sheet. 1,535,243; Apr. 28.
Percival, Harry S., Bloomfield, N. J., assignor to American Telephone and Telegraph Company. Telegraphy. 1,535,244; Apr. 28.
Perfecto Gear Differential Co. (See Starr, Charles E., assignor.)
Perkins, Samuel W., Jacksonville, Fla., assignor to The Western Union Telegraph Company, New York, N. Y. Telegraph system. 1,535,627; Apr. 28.
Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Making ingots, and the ingot. 1,535,245; Apr. 28.
Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Ingot mold, and method of casting. 1,535,246; Apr. 28.
Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Ingot mold, and method of casting. 1,535,247; Apr. 28.
Perry, John E., Sharon, assignor to Valley Mould & Iron Corporation, Sharpsville, Pa. Casting ingots. 1,535,248; Apr. 28.
Perry, John E., Sharon, assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Horizontal ingot mold. 1,535,249; Apr. 28.
Perry, William E., assignor to The Augur-Perry Company, New Haven, Conn. Shoe heel. 1,535,736; Apr. 28.
Peterson, John J., Steubenville, Ohio. Brush. 1,535,628; Apr. 28.
Pfister, Gerold, Dresden-Altstadt, assignor to Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung, Siemensstadt, near Berlin, Germany. Preserving sap-containing vegetable matter such as green fodder for cattle. 1,535,374; Apr. 28.
Pierce, George W. (See Duke, H. E., and Pierce.)
Pierce, Raymond T. (See Evans, R. D., and Pierce.)
Pilling, Norman E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Treating alloys. 1,535,629; Apr. 28.
Pitman, Earle C., Parlin, N. J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Cellulose ester of reduced viscosity and making same. 1,535,438; Apr. 28.
Pittsburgh Research Corporation. (See Moore, William B., assignor.)
Pittsburgh Transformer Company. (See Bingay, Robert W., assignor.)
Platt, Rutherford H., jr., Garden City, N. Y. Folding table. 1,535,682; Apr. 28.
Poindexter, Franklin E. (See Hughes, A. L., and Poindexter.)
Pollock, Robert T., Boston, Mass., assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for converting hydrocarbon oils. 1,535,178; Apr. 28.
Pomeroy, Irving L., assignor to Autopoint Manufacturing Company, Chicago, Ill. Pencil. 1,536,030; Apr. 28.
Pomeroy, James W. (See Todd, W. C., and Pomeroy.)
Poole Engineering and Machine Company. (See Morgan, Merton W., assignor.)
Poons, Edward M., New York, N. Y. Braid for hats. 1,535,682; Apr. 28.
Porter, Wilson E., and R. H. Whitehead, assignors to New Haven Clock Co., New Haven, Conn. Automobile clock. 1,535,684; Apr. 28.
Poses, Morris, Brooklyn, and M. Lubart, New York, N. Y. Counter display case. 1,535,179; Apr. 28.
Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Windshield. 1,535,250; Apr. 28.
Powell, William H., Albuquerque, N. Mex. Dry concentrator. 1,535,630; Apr. 28.
Prange, Henry W. A., assignor to Northwestern Expanded Metal Company, Chicago, Ill. Metal basket. 1,535,944; Apr. 28.
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See Ingham, Walter E., assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Pratt, Glenn, Springfield, Mo. Dimmer for automobile headlights. 1,535,854; Apr. 28.
Pratt, John T., et al., joint trustees. (See Conlin, Frederick, assignor.)
Pratt, John T., et al., trustees. (See Jackson, D. D., Sears, and Conlin, assignors.)
Prestholdt, Henry L., Minneapolis, Minn. Casein glue. 1,535,375; Apr. 28.
Preston, Percy, Ardmore, Okla. Pneumatic action for reed organs. 1,535,493; Apr. 28.
Price, Joseph M. (See Dolan, Frank J., assignor.)
Price, Mitchell D., Miami, Fla. Counting device. 1,535,737; Apr. 28.
Price, William B., assignor to Scovill Manufacturing Company, Waterbury, Conn. Nonferrous alloy. 1,535,542; Apr. 28.
Prout, Arthur H., and A. R. Reynolds, Long Beach, Calif. Steam and water separator. 1,535,945; Apr. 28.
Puschel, Eric J., Allegan, Mich. Convertible vehicle body. 1,535,494; Apr. 28.
Race, Fred O., Hillside, N. J. Water heater. 1,535,376; Apr. 28.
Race, Fred O., Hillside, N. J. Extension-bit holder. 1,535,543; Apr. 28.
Radford, Douglas E. (See Lamb, C., and Radford.)
Radn, Walter W., Evanston, assignor to Sanitary Scale Company, Chicago, Ill. Illuminated indicator for scales. 1,535,377; Apr. 28.

Raeburn, William, assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Pulley. 1,535,791; Apr. 28.
Ragany, John, Canton, Ohio. Muffler. 1,535,787; Apr. 28.
Rail Joint Company, The. (See Thomsen, McLeod, assignor.)
Rail Welding and Bonding Company. (See Dean, Gilbert E., assignor.)
Ramsay, Frank R. F. (See MacGregor-Morris, J. T., and Ramsay.)
Ramsey, Clifford H., Glen Rock, and A. C. Maskery, Paterson, N. J., assignors to Morrison Machine Company, Paterson, N. J. Apparatus for treating fabrics with liquids. 1,535,251; Apr. 28.
Randell, Leon O., and R. H. Raply, Glenmore, Auckland, New Zealand. Claw-hammer head. 1,535,685; Apr. 28.
Raply, Reginald H. (See Randell, L. O., and Raply.)
Ranchfuss, Herman, Englewood, Colo. Liquid-weighing machine. 1,535,788; Apr. 28.
Rayner, Oystein, assignor to Det Norske Aktieselskab for Elektrokemisk Industri, Christiania, Norway. Condensing zinc vapors. 1,535,252; Apr. 28.
Rawalt, Warren, Hot Springs, Ark. Mop head. 1,535,946; Apr. 28.
Rawson, Grant L., assignor, by mesne assignments, to Diamond Power Specialty Corporation, Detroit, Mich. Boiler cleaning. 1,535,495; Apr. 28.
Rayder, Joseph A., Philadelphia, Pa. Amplifier. 1,535,789; Apr. 28.
Raymond Bros. Engineering Co. (See Bergman, Lars H., assignor.)
Raymond Brothers Impact Pulverizer Company. (See Kanowitz, S. B., and Webster, assignors.)
Raysor, Paul M., Bryan, Tex. Shoe-polishing machine. 1,535,738; Apr. 28.
Redpath, Riley L., Buffalo, and S. C. Bliss, Genesee, assignors to American Radiator Company, New York, N. Y. Mold-ramming machine. 1,536,031; Apr. 28.
Reece Button Hole Company, The. (See Connors, John W., assignor.)
Reese, Louis C., Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Collecting device. 1,535,544; Apr. 28.
Reese, Louis C., Saginaw, Mich., assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Collecting device. 1,535,545; Apr. 28.
Regar, Harold D., Reading, Pa. Lace-tipping machine. 1,535,546; Apr. 28.
Reid, Thomas A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric resistor furnace. 1,535,547; Apr. 28.
Renkin, William O., Oradell, N. J., assignor to Fuller-Lehigh Company. Pulverized-fuel-burning apparatus. 1,535,132; Apr. 28.
Reo Motor Car Company. (See Thomas, Horace T., assignor.)
Reuter, Charley, and O. Schilling, Warsaw, Ill. Reproducer. 1,535,496; Apr. 28.
Reynolds, Adrian R. (See Prout, A. L., and Reynolds.)
Rhoades, Alonso E., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,535,947; Apr. 28.
Rhodes, Hampton P. (See Dupree, T. B., and Rhodes.)
Rich, Elmer A., jr., Chicago, Ill., assignor to The American Foundry Equipment Company, New York, N. Y. Sand cutter or mixer. 1,535,948; Apr. 28.
Richards, Daniel D., Storrs, Utah. Telescopic curtain rod. 1,535,133; Apr. 28.
Richardson, Bayard E., and A. M. Lynn, assignors to Mechano Gear Shift Company, Grand Rapids, Mich. Transmission-gearing clutch. 1,535,790; Apr. 28.
Richter, George A., and W. B. Van Arsdel, assignors to Brown Company, Berlin, N. H. Manufacture of chloroform. 1,535,378; Apr. 28.
Riddle, Edward N., Company, The. (See Crowell, Frank E., assignor.)
Rigaud, Henri. (See Kendall, William G., assignor.)
Riley, Robert S., assignor to Sanford Riley Stoker Co., Ltd., Worcester, Mass. Packing construction for stoker plungers. 1,535,341; Apr. 28.
Ringler, William A., Philadelphia, Pa., assignor to Globe Wernicke Co., Cincinnati, Ohio. Vertical filing system. 1,535,855; Apr. 28.
Ritger, Raymond J. (See Fulcer, F. L., and Ritger.)
Rix, Edward A., San Francisco, Calif. Combination air compressor and vacuum pump. 1,535,856; Apr. 28.
Roberson, Fred L. (See Gates, M. S., Balcom, and Roberson.)
Roberts, Henry P., assignor, by mesne assignments, to Dictaphone Corporation, New York, N. Y. Attachment device. 1,535,253; Apr. 28.
Roberts, John, Memphis, Tenn. Tire-rack brace. 1,535,857; Apr. 28.
Roche, Clifton, Chicago, Ill. Vehicle wheel. 1,535,497; Apr. 28.
Rockwood, George O., L. C. McAnly, and J. W. Skelley, assignors to The Rockwood Manufacturing Company, Indianapolis, Ind. Uniting metallic and fibrous bodies. 1,535,134; Apr. 28.
Rockwood Manufacturing Company, The. (See Rockwood G. O., McAnly, and Skelley, assignors.)
Rödel, Friedrich G. B., Leipzig, Germany. Screw gearing. 1,535,135; Apr. 28.
Rodman Chemical Company. (See Rodman, H., and Boren, assignors.)
Rodman, Hugh, Oakmont, and H. B. Boren, Penn Township, Allegheny County, assignors to Rodman Chemical Company, Verona, Pa. Quenching oil. 1,535,379; Apr. 28.
Roe, William, Pittsburgh, Pa. Soldering iron. 1,535,496; Apr. 28.
Roesen, Oscar C., Brooklyn, assignor to R. Hoe and Co., New York, N. Y. Folding mechanism. 1,535,686; Apr. 28.
Rohn, Wilhelm, Hanau, Germany. Metal and metal alloy for thermoelectric purposes, in particular for making thermocouples. 1,535,858; Apr. 28.
Rolls Royce, Limited. (See Royce, Frederick H., assignor.)
Ronning, Adolph. (See Ronning, Andreas G. and A.)
Ronning, Andreas G. and A., Minneapolis, Minn. Tractor cultivator. 1,535,439; Apr. 28.
Roothaan, Jan, Hayes, England. Coil for electrical transformers. 1,535,859; Apr. 28.
Roper, Geo. D., Corporation. (See Hobson, Stanley H., assignor.)
Rose, William H., Jersey City, N. J. Liquid-dispensing device. 1,535,180; Apr. 28.
Rosenblatt, Isidor, New York, N. Y. Chandelier or article of similar nature. Des. 67,157; Apr. 28.
Ross, Ernest H., Iowa City, Iowa. Girdle. Des. 67,158; Apr. 28.
Ross, George W., Healdton, Okla. Combined clamps and connection. 1,535,242; Apr. 28.
Rothacker, Edward P., Cleveland, Ohio. Slip jacket and making it. 1,535,243; Apr. 28.
Row & Davis Engineers, Inc. (See Davis, Howard C., assignor.)
Rowe, Alvin G. (See Knutson, Alfred W., assignor.)
Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Carburetor. 1,535,244; Apr. 28.
Royce, Frederick H., assignor to Rolls Royce Limited, Derby, England. Carburetor for internal-combustion engines. 1,535,860; Apr. 28.
Ruff, Otto, Breslau, Germany. Refining zirconium-containing ores and other products containing dioxide of zirconium. 1,535,687; Apr. 28.
Ruggles, Charles H., West Palm Beach, Fla. Sea wall. 1,535,792; Apr. 28.
Russell, George H., Florence Ala. Dispensing stand. 1,535,254; Apr. 28.
Ryan, Charles, Ardmore, Okla. Auxiliary driving attachment for automobiles. 1,535,255; Apr. 28.
Salomen, Irving, Chicago, Ill. Metal chair. Des. 67,159; Apr. 28.
Sammet, Charles F., assignor to Crane & Company, Dalton, Mass. Safety paper and making the same. 1,535,861; Apr. 28.
Sammet, Charles F., assignor to Crane & Company, Dalton, Mass. Safety paper and making the same. 1,535,862; Apr. 28.
Sammet, Charles F., assignor to Crane & Company, Dalton, Mass. Safety paper and forming the same. 1,535,863; Apr. 28.
Samuelson, Carl G., et al. (See Macdonald, Mott W., assignor.)
Sanford Riley Stoker Co. (See Riley, Robert S., assignor.)
Sanitary Scale Company. (See Ludlow, George M., assignor.)
Sanitary Scale Company. (See Radn, Walter W., assignor.)
Santos, John R. L., assignor to George Oldham & Son Company, Baltimore, Md. Handle lock for pneumatic tools. 1,535,739; Apr. 28.
Sauer, Johan N. A., Amsterdam, Netherlands. Apparatus for drying, burning, and recovering finely-divided materials. 1,535,949; Apr. 28.
Sauer, Joseph F., Chico, Calif. Engine-pressure register. 1,535,688; Apr. 28.
Saunier, Marcian E., Bay City, Mich. Hook. 1,535,256; Apr. 28.
Savage, Basil H., San Francisco, assignor, by mesne assignments, to M. J. Savage, Los Angeles, Calif. Water-charging apparatus. 1,535,793; Apr. 28.
Savage, George E., and L. H. Wilkinson, assignors to Manning, Bowman & Company, Meriden, Conn. Bottle holder for vacuum jars or similar articles. 1,535,864; Apr. 28.
Savage, Michael J. (See Savage, Basil H., assignor.)
Savoye, Charles U., Hackensack, assignor to The Babcock & Wilcox Company, Bayonne, N. J. Feed-water system. 1,535,440; Apr. 28.
Sawyer, Burnside E., Fitchburg, Mass. Golf-ball tee or support. 1,535,181; Apr. 28.
Sawyer, Frank M., Los Angeles, Calif. Concrete building construction. 1,535,345; Apr. 28.
Schaffer, Walter, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for amplifying high-frequency currents. 1,535,182; Apr. 28.
Schell, Carl A., Cleveland, Ohio, assignor to Thermoid Rubber Company, Hamilton Township, N. J. Flexible coupling. 1,535,865; Apr. 28.
Schellenbach, William L., Wyoming, Ohio. Latus. 1,535,346; Apr. 28.

Schenimann, Lem C., et al. (See Modlin, Thomas B., assignor.)
Schiftner, Joseph, La Gloria, Cuba. Railway-grade-crossing gate. 1,535,548; Apr. 28.
Schilling, Oscar. (See Reuter, C., and Schilling.)
Schmidt, Oscar C., assignor to The Cincinnati Butcher's Supply Company, Cincinnati, Ohio. Unloading means for meat-cutting machines. 1,535,794; Apr. 28.
Schmitz, Peter J., Rock Island, Ill. Molder's chaplet. 1,535,347; Apr. 28.
Schmolze, Mildred C., assignor to Franklin Simon & Co., New York, N. Y. Child's dress. Des. 67,180; Apr. 28.
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider, Julius, et al. (See Jaeger, Henry G., assignor.)
Schofield, Eugene H., deceased, by trustees of the Interstate Cotton Pickers, Toledo, Ohio, assignees. Cotton-picking machine. Re16,055; Apr. 28.
Schramke, Edward J., Saginaw, Mich. Vehicle. 1,535,950; Apr. 28.
Schwartz, Harry A., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Rust-resistant iron. 1,535,549; Apr. 28.
Schwartz, Louis, Brooklyn, N. Y. Loud speaker. 1,535,951; Jan. 28.
Schwarskopf, Jakob, Elmshorn, Germany. Polishing composition. 1,539,952; Apr. 28.
Schwimmer, Frederick J., assignor to The National Supply Company, Toledo, Ohio. Drill-pipe slip. 1,535,680; Apr. 28.
Scott, Burton, New York, N. Y. Electrically-actuated sound producer. 1,535,550; Apr. 28.
Scott, John P. (See Spencer, Clarence G., assignor.)
Scott, Walter M. (See Barnhardt, Joseph R., assignor.)
Scott, William M. (See Wyatt, James H. assignor.)
Scovill Manufacturing Company. (See Price, William B., assignor.)
Sears, Joseph D. (See Jackson, D. D., Sears, and Conlin.)
Sears, Joseph D., et al., joint trustees. (See Conlin, Frederick, assignor.)
Sears, Joseph D., et al., trustees. (See Jackson, D. D., Sears, and Conlin, assignors.)
Sears, Mabel H., executrix. (See Sears, Willard T.)
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Drilling machine. 1,535,257; Apr. 28.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Drilling machine. 1,535,258; Apr. 28.
Sears, Willard T., deceased, Montclair, N. J.; M. H. Sears, executrix. Controlling mechanism for motor vehicles. 1,535,866; Apr. 28.
Sears, Willard T., deceased, Montclair, N. J.; M. H. Sears, executrix. Controlling mechanism for motor vehicles. 1,535,867; Apr. 28.
Sebeuste, Fred A. (See Stahley, Edward L., assignor.)
Segelhorst, August L., Whittier, Calif. Cutting-off tool. 1,535,348; Apr. 28.
Selmer, Fredrik, Christiania, Norway. Casting hollow concrete masonry. 1,535,690; Apr. 28.
Selph, Harlen M., Goose Creek, Tex. Foot accelerator. 1,535,259; Apr. 28.
Seufert, Hermann, Brooklyn, N. Y. Film-adjusting mechanism for cinematographs or the like. 1,535,795; Apr. 28.
Shaw, Frank R., East Bridgewater, assignor, by mesne assignments, to Hayes-Fay Laboratories, Inc., Boston, Mass. Tagging machine. 1,535,691; Apr. 28.
Shekter, Abraham J., Huntington, N. Y. Tonsillotome. 1,535,868; Apr. 28.
Shelton, Oscar, Yorktown, Tex. Rail-joint fastener. 1,535,369; Apr. 28.
Sherbahn, John F., McCook, Nebr. Brickkiln. 1,535,260; Apr. 28.
Shipman, Ira J., Midwest, Wyo. Carbon remover. 1,535,963; Apr. 28.
Shirek, Rudolph A. (See Lee, Arthur, assignor.)
Sidney Machine Tool Company, The. (See Getz, Alfred C., assignor.)
Siemens-Schuckertwerke Gesellschaft mit beschränkter Haftung. (See Pfister, Gerold, assignor.)
Sievern, Fredrick, McKeesport, Pa. Antiskid device. 1,535,551; Apr. 28.
Sievers, William O., Newell, Iowa. Elevator for silos. 1,535,499; Apr. 28.
Signaphore Company, The. (See Bechtold, Reuben E., assignor.)
Singer Manufacturing Company, The. (See Myers, Walter, assignor.)
Simmons Company. (See Stuart, Charles A., assignor.)
Simmons, John W., Cleveland, Ohio. Combined transformer and electron-tube socket. 1,535,261; Apr. 28.
Simms, Harold A., et al. (See Holloway, William T., assignor.)
Simpson, William E., assignor to Palmer-Bee Company, Detroit, Mich. Automatic stop mechanism for power hoists. 1,535,092; Apr. 28.
Skarphol, Oscar, Dalton, Minn. Corn husker. 1,535,500; Apr. 28.
Skelley, John W. (See Rockwood, G. O., McAnly, and Skelley.)
Skeppstedt, Olof, Moline, Ill. Core box. 1,535,380; Apr. 28.
Slade, George W., Baltimore, Md. Railway tie. 1,535,262; Apr. 28.
Slater, Mabel H., New York, N. Y. Doll. 1,535,796; Apr. 28.
Slepian, Joseph. (See Fortescue, C. L., Chubb, and Slepian.)
Small, Frank E., assignor to N. M. Small, Jamaica, N. Y. Piston packing ring. 1,535,552; Apr. 28.
Small, Nancy M. (See Small, Frank E., assignor.)
Smart, Frank C., Hartford, Conn. Lathe chuck. 1,535,183; Apr. 28.
Smeltera General Briquette Corporation, The. (See Stillman, Albert L., assignor.)
Smetzer, Edward A., Lakewood, Ohio. Combination rear signal and pilot light. 1,535,263; Apr. 28.
Smith, Clarence. (See Snyder, L., and Smith.)
Smith, Edward P., Pittston, Pa. Lunch box. 1,535,954; Apr. 28.
Smith, Eugene G., Chicago, Ill. Axle transmission. 1,535,501; Apr. 28.
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Binding post. 1,535,693; Apr. 28.
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Binding post. 1,535,694; Apr. 28.
Smith, Robert H., Columbus, Ga. Automatic cylinder cock. 1,535,631; Apr. 28.
Smith, Roy H., Kent, Ohio. Process and apparatus for threading nuts. 1,535,184; Apr. 28.
Snelling, Walter O., Allentown, Pa. Sulphurized chemical product. 1,535,740; Apr. 28.
Snodgrass, Oscar C., A. B. Hawkins, and W. F. Staggers, Mannington, W. Va. Fastener to clamp boards on scaffold brackets. 1,535,741; Apr. 28.
Snyder, Lee, and C. Smith, assignors to J. H. Northridge, Freeport, Ill. Brush and the like. 1,535,955; Apr. 28.
Snyder, Ralph S. (See Gotshall, C. R., and Snyder.)
Soest, Henry W. (See Magley, Merrill F., assignor.)
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Sorenson, Harry N., Toledo, Ohio. Doorlock. 1,535,742; Apr. 28.
Soukup, Anthony M., Chicago, Ill. Process molding press to make molds in wax and other substances for the use of electrotypers and others. 1,535,870; Apr. 28.
Southwell, John A., assignor of one-half to C. F. Fletcher, Scranton, Pa. Mechanical spinning top. 1,535,502; Apr. 28.
Spaeder, Leo J., Erie, Pa. Paper board. 1,535,503; Apr. 28.
Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Oil-dispensing device. 1,535,349; Apr. 28.
Spence, Hubert L., assignor, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Grate bar for sintering machines and the like. 1,535,695; Apr. 28.
Spencer, Clarence G., New York, N. Y., assignor, by mesne assignments, to J. P. Scott, Toronto, Canada. Electrolytic apparatus. 1,535,185; Apr. 28.
Sperlich, Josef, Orland, Calif. Ice-scraping device. 1,535,632; Apr. 28.
Sperry, Elmer A., Brooklyn, N. Y. Submarine contact mine. 1,535,633; Apr. 28.
Sperry Gyroscope Company, The. (See Mills, Chester B., assignor.)
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Sprague, John M. (See McLean, A. E., and Sprague.)
Sprecher, Peter W., Milwaukee, Wis., Ceiling-collar-attaching means. 1,535,696; Apr. 28.
Springer, Franklin W., Minneapolis, Minn. Electric lighting and starting system for motor vehicles. 1,535,956; Apr. 28.
Stacy, Eugene C., Tiffin, Ohio. Making swivel links. 1,535,350; Apr. 28.
Stage, Harold I., San Francisco, Calif., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shoveling machine. 1,535,381; Apr. 28.
Staggers, William F. (See Snodgrass, O. C., Hawkins, and Staggers.)
Stahley, Edward L., assignor of one-half to F. A. Sebenste, Hammond, Ind. Measuring and filling device. 1,535,871; Apr. 28.
Stairs, James A., assignor to The Calorizing Company, Pittsburgh, Pa. Heat exchanger. 1,535,351; Apr. 28.
Stairs, James A., assignor to The Calorizing Company, Pittsburgh, Pa. Furnace. 1,535,352; Apr. 28.
Stalder, Merle D., Lincoln, Nebr. Attachment for faucets. 1,535,353; Apr. 28.
Stambach, Arthur, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Threading a blank. 1,535,553; Apr. 28.
Stanage, John T., Three Oaks, Mich. Beet harvester. 1,535,872; Apr. 28.
Stanley, Charles J. (See Stanley, William, and C. J.)
Stanley, William and C. J., Chicago, Ill. Artificial bait. 1,535,957; Apr. 28.

Stannard, Burt C., Berkeley, and C. W. Haffey, Selby, Calif., assignors to American Smelting and Refining Company, New York, N. Y. Separating antimony and lead. 1,535,743; Apr. 28.
Star Contrapropeller Ltd. A./S. (See Wagner, Rudolf, assignor.)
Starr, Charles E., Bellingham, assignor to Perfecto Gear Differential Co., Seattle, Wash. Differential driving mechanism. 1,535,634; Apr. 28.
Stathas, John P., Penn, N. Dak. Railway switch frog. 1,535,264; Apr. 28.
Steele, Charles W., and R. T. Griffiths, assignors to The Miller Rubber Company, Akron, Ohio. Making hollow rubber articles. 1,535,354; Apr. 28.
Steele, Roscoe, Rockaway, N. J., assignor to Wirebounds Patents Company, Box and making the same. 1,535,958; Apr. 28.
Stephens, Joseph J., Lamont, Mich. Metal building and structural unit therefor. 1,535,504; Apr. 28.
Stertsbach, Harry W., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,535,959; Apr. 28.
Stevens, Frank C. (See Upham, B. F., and Stevens.)
Stevens, Harry M., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,535,873; Apr. 28.
Stevens, Normal L., Bloomfield, N. J., assignor to The Meyercord Company. Display stand for hosiery. 1,535,874; Apr. 28.
Stewart, Vincent J., assignor of one-fifth to S. P. Livingston, Jacksonville, Fla. Signaling device for railways. 1,535,960; Apr. 28.
Stillman, Albert L., Plainfield, N. J., assignor to The Smelters' General Briquette Corporation, New York, N. Y. Forming loose materials into coherent bodies. 1,536,032; Apr. 28.
Stillman, Albert L., Plainfield, N. J., assignor to The Smelters' General Briquette Corporation, New York, N. Y. Agglomerating loose materials. 1,536,033; Apr. 28.
Stimpson, Edwin B., Company. (See Lupieu, Louis A., assignor.)
Stoddard, Byrd E., Minneapolis, Minn. Vehicle spring. 1,535,744; Apr. 28.
Stoetzel, Sidney A., Omaha, Nebr. Automobile signal. 1,535,265; Apr. 28.
Stolp, Samuel S., assignor to The Ohio Brass Company, Mansfield, Ohio. Trolley-conductor insulator. 1,535,745; Apr. 28.
Stone, Elmer F. (See Jeansen, C. F., and Stone.)
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 67,160; Apr. 28.
Stoney, John T., Lakewood, Ohio. Core for casting molds. 1,535,186; Apr. 28.
Stowers, John L., Habana, Cuba. Closure operator. 1,535,505; Apr. 28.
Strange, Richard T., jr., Onarga, Ill. Steering attachment for tractors. 1,535,266; Apr. 28.
Stratinsky, Joseph, Chicago, Ill. Bumper. 1,535,746; Apr. 28.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Adjustable agitator for cotton cleaners. 1,535,186; Apr. 28.
Strong, Arthur P., Chicago, Ill., assignor to Green Engineering Company, East Chicago, Ind. Furnace stoker. 1,535,961; Apr. 28.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,161; Apr. 28.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,162; Apr. 28.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,163; Apr. 28.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,164; Apr. 28.
Stuart, Charles A., Kenosha, Wis., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,165; Apr. 28.
Stuckert, John F., Philadelphia, Pa. Adjustable roof structure. 1,535,747; Apr. 28.
Studebaker Corporation. (See Link, Vincent, assignor.)
Sucnek, Robert, assignor to C. H. Wheeler Manufacturing Company, Melnik, Czechoslovakia. Fluid-compressing apparatus. 1,535,137; Apr. 28.
Sucnek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Auxiliary apparatus for condensers. 1,535,897; Apr. 28.
Sucnek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Auxiliary apparatus for condensers. 1,535,748; Apr. 28.
Sullivan Machinery Company. (See Gilman, George H., assignor.)
Summerell, Edward V., Norfolk, Va. Saw set. 1,535,962; Apr. 28.
Superior Hat Co. (See Witteoff, Edward, assignor.)
Sutton-Abramsen Engineering Company. (See Sutton, John B., assignor.)
Sutton, John B., assignor to Sutton-Abramsen Engineering Company, Pittsburgh, Pa. Special planer. 1,535,875; Apr. 28.
Swan, John W., Cleveland, Ohio. Method and means to facilitate the distribution of fuel in internal-combustion engines. 1,536,044; Apr. 28.
Swanson, Frank E., Maple Plain, Minn. Barrel-handling device. 1,535,698; Apr. 28.
Swart, George R., & Company. (See Ehlig, Harry, assignor.)
Sweatt, Blaine. (See Walsh, G. W., and Sweatt.)
Swick, Charles P., assignor to American Ring Company, Waterbury, Conn. Shade holder. 1,535,554; Apr. 28.
Symington Company, The. (See Kadel, Byers W., assignor.)
Symington Company, The. (See Wright, Ira O., assignor.)
Taft-Peirce Manufacturing Company, The. (See Bryant, Elmer J., assignor.)
Taggart, David R., Topeka, Kans. Automobile folding bed. 1,535,506; Apr. 28.
Talbot, Charles L., Chicago, Ill. Loading appliance. 1,535,690; Apr. 28.
Talbott, Frank R., assignor to The Talbott Rubber Company, Cleveland, Ohio. Pneumatic-tire tread. Des. 67,166; Apr. 28.
Talbott Rubber Company, The. (See Talbott, Frank R., assignor.)
Tanaka, Sotoso, Seattle, Wash. Hairpin. 1,535,355; Apr. 28.
Tanner, Wellington L., assignor to The Grasselli Chemical Company, Cleveland, Ohio. Accelerator for rubber vulcanization. 1,535,963; Apr. 28.
Tatler, Edgar E., Trenton, N. J. Plate or similar article. Des. 67,167; Apr. 28.
Taylor, Edgar C. (See Baker, Harry T., assignor.)
Taylor, Edward C., Longmeadow, and C. H. Desautels, Springfield, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Air-bag puller. 1,535,382; Apr. 28.
Taylor, Lester G., et al. (See Larsen, P. L., and Ellis, assignors.)
Taylor, Marshall, Pittsburgh, Pa. Tally. 1,535,383; Apr. 28.
Teague, Edwin D., Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 67,168; Apr. 28.
Teague, Edwin D., Brooklyn, N. Y., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 67,169; Apr. 28.
Ternstedt Manufacturing Company. (See Edgar, F. M., and Archer, assignors.)
Terrell, Edgar A., assignor to The Terrell Machine Company, Charlotte, N. C. Bobbin cleaner. Re16,058; Apr. 28.
Terrell Machine Company, The. (See Terrell, Edgar A., assignor.)
Terry, Walter J., Seattle, Wash. Dental handpiece. 1,535,187; Apr. 28.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Spindle-stop mechanism. 1,535,267; Apr. 28.
Theleen, Oscar H., assignor to Frost Manufacturing Company, Kenosha, Wis. Flushing mechanism. 1,535,268; Apr. 28.
Thermoid Rubber Company. (See Schell, Carl A., assignor.)
Thermokept Corporation. (See Bach, Nells P., assignor.)
Thermokept Corporation. (See McColl, F. P., and Willson, assignors.)
Thomas, Alonso O., Datil, N. Mex. Sewing-machine attachment. 1,535,856; Apr. 28.
Thomas, Edward G., assignor to Toledo Scale Company, Toledo, Ohio. Registering device. 1,535,749; Apr. 28.
Thomas, H. N., et al. (See Thomas, Martin E., assignor.)
Thomas, Horace T., assignor to Reo Motor Car Company, Lansing, Mich. Door-latch construction. 1,535,138; Apr. 28.
Thomas, Hubert S., Llandaff, near Cardiff, and W. E. Davies, Whitchurch, near Cardiff, Wales. Apparatus for use in the manufacture of tin plates or sheets. 1,535,876; Apr. 28.
Thomas, Jessee M., Tampa, Fla. Traveling kit. 1,535,357; Apr. 28.
Thomas, Martin E., assignor of three-fourths to G. G. Acree and one-fourth to H. N. Thomas, Plano, Tex. Drill bit. 1,536,034; Apr. 28.
Thompson, Louis W., Schenectady, N. Y., assignor to General Electric Company. Regulating system. 1,535,877; Apr. 28.
Thompson, Milton E., Ridgway, Pa. Educational record. 1,535,188; Apr. 28.
Thompson, Roy E., New York, N. Y., assignor, by mesne assignments, to Wireless Improvement Company, Jersey City, N. J. Radio communication apparatus. 1,535,189; Apr. 28.
Thomson, McLeod, Philadelphia, Pa., assignor to The Rail Joint Company, New York, N. Y. Head-free-type rail joint. 1,535,636; Apr. 28.
Thornton, Alice A. (See Thornton, Edgar R., assignor.)
Thornton, Edgar R., assignor of one-half to A. A. Thornton, Long Beach, Calif. Building tile. 1,535,358; Apr. 28.
Thornton, Frank, jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Industrial air heater. 1,535,555; Apr. 28.

Thornton, Frank, jr., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Toaster base. 1,535,556; Apr. 28.

Tidlund, Edwin. (See Bethel, C. and Tidlund.)

Tilsey, William O. (See Watson, P. B., and Tilsey.)

Tinker, Frank, Erdington, Birmingham, England. Production of petrol. 1,535,507; Apr. 28.

Titchener, Paul F., Binghamton, N. Y. Bathroom appliance. Des. 67,170; Apr. 28.

Titeflex Metal Hose Co. (See Fulton, William H., assignor.)

Tilley, Arthur J., Brooklyn, assignor to Edwd. F. Caldwell & Co., Inc., New York, N. Y. Fountain. 1,535,964; Apr. 28.

Tobias, Edvard, Prescott, Wis. Hayrack. 1,535,965; Apr. 28.

Todd, William C., and J. W. Pomeroy, Victoria, British Columbia, Canada. Rotatable water sprinkler. 1,535,508; Apr. 28.

Toledo Automotive Products Company, The. (See Claa, Angelo R., assignor.)

Toledo Scale Company. (See Thomas, Edward G., assignor.)

Toney, Frederick A., Detroit, Mich. Tractor. 1,535,384; Apr. 28.

Toomey, John F., New York, N. Y., assignor to American Telephone and Telegraph Company. Selective signaling apparatus and circuits. 1,535,269; Apr. 28.

Tousey, Sinclair, New York, N. Y. X-ray filter or screen. 1,535,359; Apr. 28.

Townsend, Arthur J. (See Naugle, H. M., and Townsend.)

Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Grab bucket. 1,535,878; Apr. 28.

Tracy, Warren C., Los Angeles, Calif. Filter. 1,535,750; Apr. 28.

Traver, Oliver C., Schenectady, N. Y., assignor to General Electric Company. Electrical system of control. 1,535,879; Apr. 28.

Tribe, Charles, executor or administrator. (See Hele-Shaw, H. S., and Tribe.)

Tribe, Ernest. (See Hele-Shaw, H. S., and Tribe.)

Troland, Leonard T., Malden, assignor to Kalmus, Comstock & Wescott, Inc., Boston, Mass. Selective photographic hardening. 1,535,700; Apr. 28.

Trundle, George T., jr., Cleveland, and B. G. Carlson, Cleveland Heights, Ohio. Adjusting mechanism for bag-tube cutters. 1,535,899; Apr. 28.

Truscon Steel Company. (See Kane, Thomas H., assignor.)

Tucker, Boris, assignor of one-half to S. Greenstein, Brooklyn, N. Y. Feeding device for producing spiral stitches. 1,535,966; Apr. 28.

Tunstall, Harry, Fair Haven, assignor to Alsatian Machine Works, Limited, Boston, Mass. Combing machine. 1,535,701; Apr. 28.

Turenne, Wilfred J., Danvers, Mass. Thermostatically-controlled iron. 1,535,751; Apr. 28.

Turner, Jessee W., Brownsville, Pa. Rubber heel for footwear. 1,535,967; Apr. 28.

Twardowsky, John, Chicago, Ill. Diaphragm-actuated mechanism. 1,536,035; Apr. 28.

Twardowsky, John. (See Hanson, C. C., and Twardowsky.)

Tyler, Ralph G., Bradford, Pa. Golf club. 1,535,270; Apr. 28.

Ullrich, Emil H. W., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Safety inclosed switch. 1,535,636; Apr. 28.

Undertakers' Supply Company. (See Drennan, Homer H., assignor.)

Union Drawn Steel Company. (See Leech, Jacob T., assignor.)

Union Special Machine Company. (See Onderdonk, Lansing, assignor.)

United Alloy Steel Corporation. (See Charls, George H., assignor.)

United Cigarette Machine Company, Inc. (See Koerner, Ewald, assignor.)

United Printing Machinery Company. (See Upham, B. F., and Stevens, assignors.)

United States Chain & Forging Company. (See Bond, Frank A., assignor.)

United States Chain & Forging Company. (See McGowen, William R., assignor.)

United States Hat Machinery Corporation. (See Genest, Homer A., assignor.)

United States Hat Machinery Corporation. (See Lorens, William A., assignor.)

Universe Corporation. (See Hanson, C. C., and Twardowsky, assignors.)

Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)

Universal Oil Products Company. (See Egloff, Gustav, assignor.)

Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)

Universal Oil Products Company. (See Howard, William E., assignor.)

Universal Oil Products Company. (See Pollock, Robert T., assignor.)

Upham, Burt F., Brookline, and F. C. Stevens, Cohasset, assignors to United Printing Machinery Company, Boston, Mass. Bronzing machine. 1,535,752; Apr. 28.

Ursino, Pasquale, Seattle, Wash. Excavating apparatus. 1,535,509; Apr. 28.

Valley Mould and Iron Corporation. (See Coates, Ray G., assignor.)

Valley Mould & Iron Corporation. (See Perry, John E., assignor.)

Valley Mould and Iron Corporation. (See Williams, Edward H., assignor.)

Van Ardel, Wallace B. (See Richter, G. A., and Van Ardel.)

Vanderlip, Louis C., Elkhart, Ind. Motor-vehicle lock. 1,535,271; Apr. 28.

Van Eweyk, William F., assignor to Milwaukee Brass Manufacturing Company, Milwaukee, Wis. Laundry faucet. 1,535,139; Apr. 28.

Van Iderstine, Raymond, Glen Ridge, N. J. Display carton. 1,535,968; Apr. 28.

Van Metre, Thomas E., Newport, R. I., assignor to Government of the United States. Torpedo. 1,535,190; Apr. 28.

Venetz, Andrew A., Great Falls, Mont. Attachment for stoves. 1,535,637; Apr. 28.

Vetter, Henry J., New York, N. Y. Box attachments. 1,535,969; Apr. 28.

Vickery, Henry F., Wellington, New Zealand. Electric house or lighting circuit. 1,535,360; Apr. 28.

Vivaudou, Victor, New York, N. Y. Container. 1,535,140; Apr. 28.

Von Edelkrantz, William L., San Francisco, Calif. Composition of matter for tire fillers. 1,535,861; Apr. 28.

Vortex Mfg. Co., The. (See Barbieri, Cesare, assignor.)

Vroom, Guysbert B., Philadelphia, Pa. Altitude-difference instrument. 1,535,272; Apr. 28.

Wade, James D., Gonzales, Tex. Apparatus for Pumping wells. 1,535,141; Apr. 28.

Wade, James D., Gonzales, Tex. Packer for pumps. 1,535,385; Apr. 28.

Wadsworth, Charles F., Chicago, Ill. Oil burner. 1,535,510; Apr. 28.

Wadsworth Watch Case Company, The. (See Conant, Arthur P., assignor.)

Waggonner, Isaac N., San Diego, Calif. Trap nest. 1,535,512; Apr. 28.

Wagner, Rudolf, Hamburg, Germany, assignor to Star Contrapropeller Ltd. A/S., Christiania, Norway. Double propeller for water and air craft. 1,535,511; Apr. 28.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Weft-detecting mechanism. 1,535,362; Apr. 28.

Wald, Julius H. (See Malm, Johan F., assignor.)

Walden Knife Company. (See Henry, Ferdinand G., assignor.)

Walker, Henry B., and C. O. Brown, Lancaster, assignors to Fairfield Engineering Company, Marion, Ohio. Conveyer. 1,535,336; Apr. 28.

Wallace, Halbert C., Kansas City, Mo. Fan blower. 1,535,363; Apr. 28.

Wallmann, Johann G., Oakland, Calif. Electric heating unit. 1,535,638; Apr. 28.

Walsh, George W., Boston, and B. Sweatt, Everett, Mass.; said Sweatt assignor, by mesne assignments, to said Walsh. Liquid-fuel burner. 1,535,702; Apr. 28.

Warnocke, Bernard, Breese, Ill. Poultry roost. 1,535,518; Apr. 28.

Warner, Paul D., Chicago, Ill. Wall construction. 1,535,514; Apr. 28.

Waterman, Royal A., Grand Rapids, Mich. Rod holder. 1,535,703; Apr. 28.

Waters, Ray E. (See Waters, T. E. and R. E.)

Waters, Thomas E. and R. E., Hastings, Mich. Display device for caps. 1,535,515; Apr. 28.

Watson, Percy E., and W. O. Tilsley, Te Aroha, New Zealand. Photographic-printing masks. 1,535,142; Apr. 28.

Weaver Manufacturing Company. (See Buffington, Harry C., assignor.)

Weber, Clifford A. M., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Means for overcoming load inertia. 1,535,639; Apr. 28.

Webster, Hyleman A. (See Kanowitz, S. B., and Webster.)

Wegstein, Joseph C., Washburn, Ill. Window structure. 1,535,273; Apr. 28.

Weiner Brothers, Inc. (See Kagan, Alexander, assignor.)

Weiser, Grant G., Hellertown, Pa. Automatic safety gate. 1,535,763; Apr. 28.

Welch, Dell, Lorcau, Mont. Tree-sawing apparatus. 1,535,970; Apr. 28.

Welch, James E., Roanoke, Va. Molding and apparatus therefor. 1,535,274; Apr. 28.

Wells, Jack E. (See Chrisman, A. M., and Wells.)

Wemp, Ernest E., Detroit, Mich. Constructing clutch disks. 1,535,191; Apr. 28.

Wensley, Roy J. (See Moss, C. M., and Wensley.)

Western Brick Company. (See Doughty, Ivan N., assignor.)

Western Electric Company. (See Harrison, Henry C., assignor.)

Western Electric Company. (See Maxfield, J. P., and Harrison, assignors.)

Western Electric Company. (See Oswald, Arthur A., assignor.)

Western Union Telegraph Company, The. (See Perkins, Samuel W., assignor.)

Westin, Oliver P., Florence, Wis. Rotary pump. 1,535,275; Apr. 28.

Westinghouse Electric & Manufacturing Company. (See Baxter, Harold G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bethel, C., and Tidlund, assignors.)

Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Dorfman, Lee, assignor.)

Westinghouse Electric & Manufacturing Company. (See Eschholz, Otto H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Evans, Robert D., assignor.)

Westinghouse Electric & Manufacturing Company. (See Evans, R. D., and Pierce, assignors.)

Westinghouse Electric & Manufacturing Company. (See Fortescue, Charles L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Fortescue, C. L., Chubb, and Stephan, assignors.)

Westinghouse Electric & Manufacturing Company. (See Himes, Walter H., assignor.)

Westinghouse Electric & Manufacturing Company. (See MacGahan, Paul, assignor.)

Westinghouse Electric & Manufacturing Company. (See Moss, C. M., and Wensley, assignors.)

Westinghouse Electric & Manufacturing Company. (See Nyman, Alexander, assignor.)

Westinghouse Electric & Manufacturing Company. (See Pilling, Norman B., assignor.)

Westinghouse Electric & Manufacturing Company. (See Reid, Thomas A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Stambach, Arthur, assignor.)

Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)

Westinghouse Electric & Manufacturing Company. (See Uelrich, Emil H. W., assignor.)

Westinghouse Electric & Manufacturing Company. (See Weber, Clifford A. M., assignor.)

Westinghouse Electric Products Company. (See Forshee, Frank F., assignor.)

Westmoreland, Eames L., Ogden, Utah. Chassis extension for automobiles. 1,535,880; Apr. 28.

Wheeler, C. H., Manufacturing Company. (See Sucsek, Robert, assignor.)

Wheeler-Schebler Carburetor, The. (See Bessom, Earl A., assignor.)

Wheeling Steel Corporation. (See Holloway, A. P., and Peacock, assignors.)

Wheeling Steel Corporation. (See Peacock, Samuel, assignor.)

Whitaker, Frank L., Olney, Ill. Telephonic electrode and constructing same. 1,535,276; Apr. 28.

White, Burley. (See White, G. and B., and Counts.)

White, Glen, B. White, and C. E. Counts, Henlawson, W. Va. Railway switch. 1,535,881; Apr. 28.

Whitehead, Hugh H., Palmetto, Fla. Crate-making machine. 1,535,882; Apr. 28.

Whitehead, Richard H. (See Porter W. E., and Whitehead.)

Whiting Corporation. (See Townsend, John S., assignor.)

Whitlock, Edwin L., and J. Madison, New York, N. Y. Doll. Des. 67,171; Apr. 28.

Whitlock, Edwin L., and J. Madison, New York, N. Y. Doll. Des. 67,172; Apr. 28.

Whitridge, John C., G. T. Johnson, and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,535,971; Apr. 28.

Whitridge, John C., G. T. Johnson, and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,535,972; Apr. 28.

Whitridge, John C., G. T. Johnson, and H. H. Wolfe, assignors to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,535,973; Apr. 28.

Whitridge, John C., assignor to The Buckeye Steel Castings Company, Columbus, Ohio. Car-coupling device. 1,535,974; Apr. 28.

Whitstruck, Carl G., Elgin, Ill. Brooch pin or the like. 1,535,975; Apr. 28.

Wickenden, Leonard, Flushing, assignor to Industrial Chemical Company, New York, N. Y. Decolorizing carbon and producing the same. 1,535,797; Apr. 28.

Wickenden, Leonard, Flushing, assignor to Industrial Chemical Company, New York, N. Y. Decolorizing carbon and producing the same. 1,535,798; Apr. 28.

Wiener, Paul L., New York, N. Y. Skin. 1,535,887; Apr. 28.

Wilbur, Stephen B., Akron, Ohio. Tire spreader. 1,535,192; Apr. 28.

Wilcox, Corbie, Mart, Tex. Trap. 1,535,388; Apr. 28.

Wild, Alfred, Milwaukee, Wis. Automatic water-heater controller. 1,535,193; Apr. 28.

Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Mounting for rock drills. 1,535,143; Apr. 28.

Wilhelm, Russell H., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Spike-holding device. 1,535,704; Apr. 28.

Wilke, Carl D., Beatrice, Nebr. Proofer. 1,535,705; Apr. 28.

Wilkie, David, Chattanooga, Tenn., assignor to The Guardian Savings and Trust Company, Cleveland, Ohio. Box-forming machine. 1,535,441; Apr. 28.

Wilkinson, Louis H. (See Savage, G. E., and Wilkinson.)

Williams, Arthur S., Ithaca, N. Y. Method of and apparatus for separating gases and liquids. 1,535,754; Apr. 28.

Williams, D. T., Valve Company, The. (See Ernst, Harry J., assignor.)

Williams, Edward H., Sharon, assignor to Valley Mould and Iron Corporation, Sharpsville, Pa. Casting and mold. 1,535,194; Apr. 28.

Willison, Walter W. (See McColl, F. P., and Willison.)

Wilson, Frank R., Ardley, assignor of one-half to J. MacLeod, Vancouver, British Columbia, Canada. Mowing-machine cutter bar. 1,535,640; Apr. 28.

Wilson, Frederick D., assignor to Deere and Company, Moline, Ill. Bundle carrier. 1,535,442; Apr. 28.

Wilson, Frederick D., assignor to Deere and Company, Moline, Ill. Elevator for corn harvesters. 1,535,443; Apr. 28.

Wilson, George C., Lincoln, Nebr. Valve-spring compressor. 1,535,976; Apr. 28.

Wilson, J. G., Corporation, The. (See Middleditch, James F., assignor.)

Wine Railway Appliance Company. (See Hannaford, Cleon M., assignor.)

Winne, Harry A., Schenectady, N. Y., assignor to General Electric Company. Electric-furnace control. 1,535,883; Apr. 28.

Wirebounds Patents Company. (See Steele, Roscoe, assignor.)

Wireless Improvement Company. (See Thompson, Ray E., assignor.)

Wirt Company. (See Ermold, Elmer A., assignor.)

Wittcoff, Edward, assignor to Superior Hat Co., St. Louis, Mo. Hat. 1,535,889; Apr. 28.

Wolcott, Henry, Providence, R. I. Ornamental chain. 1,535,884; Apr. 28.

Wolfe, Harry H. (See Whitridge, J. C., Johnson, and Wolfe.)

Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Phonograph cabinet. Des. 67,173; Apr. 28.

Wolstead, Olof P., Minneapolis, Minn. Adjustable supporting device. 1,535,516; Apr. 28.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture. Des. 67,174; Apr. 28.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture. Des. 67,175; Apr. 28.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture canopy. Des. 67,176; Apr. 28.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting-fixture canopy. Des. 67,177; Apr. 28.

Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Lighting fixture spindle. Des. 67,178; Apr. 28.

Wood, Thomas L., Dallas, Tex. Toy train. 1,535,561; Apr. 28.

Woodard, William E., Forest Hills, N. Y. Locomotive. 1,536,036; Apr. 28.

Wooster, James B., Buffalo, N. Y. Educational device. 1,535,706; Apr. 28.

Woroalla, Joseph, Fort Hancock, N. J. Window structure. 1,535,977; Apr. 28.

Worthington Pump & Machinery Corporation. (See Grace, John F., assignor.)

Wren, Harvey A., Navy Yard, assignor of forty one-hundredths to J. L. Paul, Johns Island, S. C. Rail joint. 1,535,885; Apr. 28.

Wright, Carl J., Toledo, Ohio, assignor to Doherty Research Company, New York, N. Y. Furnace. 1,535,277; Apr. 28.

Wright, Ira O., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. Re16,057; Apr. 28.

Wyatt, James H., Kirklyn, assignor to W. M. Scott, Tredyffrin Township, Pa. Switching apparatus. 1,535,390; Apr. 28.

Yoder, Allen E., Mount Carmel, Pa. Hook. 1,535,279; Apr. 28.

Yarbrough, John, High Shoals, N. C. Floor jack. 1,535,278; Apr. 28.

Young, George E., Schenectady, N. Y., assignor to General Electric Company. Searchlight. 1,536,045; Apr. 28.

Zarker, John J., Wiconisco, Pa. Game apparatus. 1,535,280; Apr. 28.

Zeff, Samuel. (See Colella, L. A., and Zeff.)

Zilliox, Frank. (See Zilliox, John, assignor.)

Zilliox, John, Orchard Park, assignor of one-half to F. Zilliox, Buffalo, N. Y. Wrench. 1,535,281; Apr. 28.

Zschunke, Otto E., Lodi, Calif. Vehicle headlight. 1,535,282; Apr. 28.

Zulver, Cornelis, London, England. Liquid-fuel burner or atomizer. 1,535,886; Apr. 28.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 28TH DAY OF APRIL, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator, Foot. H. M. Selph. 1,535,259; Apr. 28.
Acid solutions, Producing chromic. A. W. Burwell. 1,535,100; Apr. 28.
Acids and proteids and process of making. Product produced from sulphonic. O. T. Joslin. 1,536,012; Apr. 28.
Advertising device. L. E. Curvelier. 1,535,521; Apr. 28.
Aeroplane. J. P. Langfelder. 1,535,532; Apr. 28.
Aeroplane wing. W. L. Gilmore. 1,535,526; Apr. 28.
Aeroplanes, Fuel tank for. M. Garagnani. 1,535,462; Apr. 28.
Agglomerating loose materials. A. L. Stillman. 1,536,033; Apr. 28.
Air and fuel heater. W. J. Bliffert. 1,535,095; Apr. 28.
Air and water injector. C. H. Desautels. 1,535,401; Apr. 28.
Air-bag puller. E. C. Taylor and C. H. Desautels. 1,535,382; Apr. 28.
Air-brake equipment. J. M. Dapron. 1,535,455; Apr. 28.
Air cleaner. M. E. Anderson. 1,535,800; Apr. 28.
Air compressor and vacuum pump, Combination. E. A. Rix. 1,535,856; Apr. 28.
Air heater, Industrial. F. Thornton, jr. 1,535,555; Apr. 28.
Airplane catapult. C. F. Jeansen and E. F. Stone. 1,535,475; Apr. 28.
Air refrigerating apparatus. A. H. Nicholson. 1,535,848; Apr. 28.
Alloy. C. T. Evans. 1,535,910; Apr. 28.
Alloy, Nonferrous. W. B. Price. 1,535,542; Apr. 28.
Alloy of iron, Resistant-surface. G. H. Charls. 1,535,763–4; Apr. 28.
Alloys, Treating. N. B. Pilling. 1,535,620; Apr. 28.
Altitude-difference instrument. G. B. Vroom. 1,535,272; Apr. 28.
Aluminum and the like with sheets of heavy metal, Facing sheets or objects of. A. Passalacqua. 1,535,492; Apr. 28.
Amplifier. J. A. Hayder. 1,535,789; Apr. 28.
Amplifying high-frequency currents, Arrangement for. W. Schaffer. 1,535,182; Apr. 28.
Amusement apparatus. H. F. Maynes. 1,535,237; Apr. 28.
Anchor, Stockless. Ap T. Jones. 1,535,420; Apr. 28.
Anemometer. J. E. Jones. 1,535,421; Apr. 28.
Annealing steel sheets. I. J. Koehnline and S. Peacock. 1,535,317; Apr. 28.
Antimony and lead, Separating. B. C. Stannard and C. W. Haffey. 1,535,743; Apr. 28.
Antiskid device. C. F. Morgan. 1,535,620; Apr. 28.
Antiskid device. F. Sievern. 1,535,551; Apr. 28.
Attachment device. H. P. Roberts. 1,535,253; Apr. 28.
Automatic safety gate. G. G. Weiser. 1,535,753; Apr. 28.
Automatic substation. C. M. Moss and R. J. Wensley. 1,535,623; Apr. 28.
Automobile bumper. R. T. Newton. 1,535,847; Apr. 28.
Automobile flag holder. C. Buehler. 1,535,396; Apr. 28.
Automobile glare eliminator. W. H. L. Howard. 1,536,006; Apr. 28.
Automobile hand grasp. C. H. Gustafson. 1,535,771; Apr. 28.
Automobile signal. S. A. Stoetzel. 1,535,265; Apr. 28.
Automobile traffic signal. E. L. Hilmer. 1,535,836; Apr. 28.
Automobiles, Auxiliary driving attachment for. C. H. Ryan. 1,535,255; Apr. 28.
Automobiles, Chassis extension for. E. L. Westmoreland. 1,535,880; Apr. 28.
Automobiles, Emergency supply tank for. J. Bitman. 1,535,565; Apr. 28.
Automobiles, Removable side window for. J. F. Brommer. 1,535,648; Apr. 28.
Axle transmission. E. G. Smith. 1,535,501; Apr. 28.
Bag tie. J. Malm. 1,535,732; Apr. 28.
Bar-tube cutters, Adjusting mechanism for. G. T. Trundle, jr., and B. G. Carlson. 1,535,899; Apr. 28.
Bait, Artificial. W. and C. J. Stanley. 1,535,967; Apr. 28.
Balance escapement. J. B. Bates. 1,535,286; Apr. 28.
Balancer for polyphase furnaces, Negative-phase-sequence. C. L. G. Fortescue. 1,535,595; Apr. 28.
Bar: *See*—
Mowing-machine cutter bar.

Barrel-handling device. F. E. Swanson. 1,535,698; Apr. 28.
Barrels and casks or parts thereof, Jointing shells of. E. A. Bolinder. 1,535,518; Apr. 28.
Baseball game device. R. Hoffman. 1,535,918; Apr. 28.
Basket, Metal. H. W. A. Prange. 1,535,944; Apr. 28.
Bathroom appliance. P. F. Titchener. Des. 67,170; Apr. 28.
Battery holddown. H. J. Davoll. 1,535,906; Apr. 28.
Battery indicator and cut-out. W. A. Morgan. 1,535,622; Apr. 28.
Bearing housing. C. Bethel and E. Tidlund. 1,535,560; Apr. 28.
Bed, Automobile folding. D. R. Taggart. 1,535,506; Apr. 28.
Bedstead end frame. C. A. Stuart. Des. 67,161–5; Apr. 28.
Beehive attachment. M. M. Jonian. 1,535,920; Apr. 28.
Berry box. E. O. Nordstrom. 1,535,436; Apr. 28.
Beverage cooler. C. A. Look. 1,535,927; Apr. 28.
Bicycle gearing. L. F. Burke. 1,535,714; Apr. 28.
Bicycles, Pedal for. J. H. Graham. 1,535,601; Apr. 28.
Binder-blank feed mechanism. A. J. Kusterer. 1,535,319; Apr. 28.
Binding post. O. A. Smith. 1,535693–4; Apr. 28.
Biscuit-making apparatus. C. Ornbo. 1,535,853; Apr. 28.
Bit: *See*—
Drill bit.
Bit holder, Extension-. F. O. Race. 1,535,543; Apr. 28.
Block: *See*—
Clamp block.
Blow iron. G. V. McCauley. 1,535,168; Apr. 28.
Board: *See*—
Paper board.
Boat construction. W. I. Hay. 1,535,155; Apr. 28.
Boat, Kiddie. C. H. Guischard. 1,535,828; Apr. 28.
Bobbin and making the same, Protected. E. C. Benner. 1,535,093; Apr. 28.
Bobbin cleaner. E. A. Terrell. Re16,056; Apr. 28.
Bodice. M. Henderson-Bland. 1,535,528; Apr. 28.
Body lifter. H. H. Drennan. 1,535,208; Apr. 28.
Boiler cleaning. G. I. Rawson. 1,535,495; Apr. 28.
Boiler-flue construction. G. E. Maier. 1,535,235; Apr. 28.
Bookbinding machine. G. Isliker-Brauen. 1,535,415; Apr. 28.
Bottle cover, Nursing-. J. G. Dupont. Des. 67,140; Apr. 28.
Bottle, Water. W. Bood. 1,535,448; Apr. 28.
Bouquet holder, Floral. G. A. Llewellyn. Des. 67,150; Apr. 28.
Box: *See*—
Berry box.
Core box.
Dough box.
Lunch box.
Necktie box.
Stuffing box.
Toy box.
Tubular box.
Box and making the same. R. Steele. 1,535,958; Apr. 28.
Box attachment. H. J. Vetter. 1,535,969; Apr. 28.
Box-forming machine. S. Cooper. 1,535,453; Apr. 28.
Box-forming machine. D. Gault. 1,535,468; Apr. 28.
Box-forming machine. D. Wilkie. 1,535,441; Apr. 28.
Brace: *See*—
Fender-protecting brace.
Folding brace.
Tire-rack brace.
Bracket: *See*—
Bumper bracket.
Braid for hats. E. M. Poons. 1,535,683; Apr. 28.
Brake. R. B. Bell. 1,535,092; Apr. 28.
Brake mechanism. V. Link. 1,535,780; Apr. 28.
Brassière. W. Kops. 1,535,838; Apr. 28.
Bread, Apparatus for mixing. W. A. Darrah. 1,535,204; Apr. 28.
Brick-sanding machine, Fuco-. I. N. Doughty. 1,535,402; Apr. 28.
Brick-stack lifter. P. A. Meehan. 1,535,430; Apr. 28.
Brickkiln. J. F. Sherbahn. 1,535,260; Apr. 28.
Brickmaking machines, Floating strike for. I. C. Frey. 1,535,308; Apr. 28.
Bronzing machine. B. F. Upham and F. C. Stevens. 1,535,752; Apr. 28.
Brooch pin or the like. C. G. Whitstruck. 1,535,975; Apr. 28.

Broom heads, Bridle for. C. E. Keyes. 1,535,161; Apr. 28.
Brush. J. J. Peterson. 1,535,628; Apr. 28.
Brush and the like. L. Snyder and C. Smith. 1,535,955; Apr. 28.
Bucket, Grab. J. S. Townsend. 1,535,878; Apr. 28.
Building and structural units therefor, Metal. J. J. Stephens. 1,535,504; Apr. 28.
Bulb, Electric-lamp. J. W. Lundy. 1,535,486; Apr. 28.
Bumper. J. Stratinsky. 1,535,746; Apr. 28.
Bumper and support, Spring-bar. E. G. Dann. 1,535,581; Apr. 28.
Bumper bracket. W. R. McGowen. 1,535,173; Apr. 28.
Bumper brackets, Machine for beading. J. F. Beans and A. J. Mercier. 1,535,759; Apr. 28.
Bundle carrier. F. D. Wilson. 1,535,442; Apr. 28.
Burner: *See*—
Fluid-fuel burner.
Fuel burner.
Gas burner.
Liquid-fuel burner.
Oil burner.
Burner. W. J. Julian. 1,536,013; Apr. 28.
Burner. L. R. Mendelson. 1,535,431; Apr. 28.
Burglar-detective apparatus. T. C. Gettell. 1,535,770; Apr. 28.
Burial casket. J. Falck. Des. 67,141; Apr. 28.
Bushing, Adjustable. E. Kelley. 1,536,018; Apr. 28.
Button. W. W. Hobe. Des. 67,143; Apr. 28.
Button, Suspender. F. G. Parker, sr. 1,535,735; Apr. 28.
Cable connecter. I. Fulton and C. A. Boustead. 1,535,117; Apr. 28.
Cable heads, Connection piece for. A. Kvaal. 1,536,024; Apr. 28.
Calender for textile and other materials. T. W. France. 1,535,660; Apr. 28.
Call sheet, Advertising. W. B. Penticoff. 1,535,243; Apr. 28.
Camera. H. R. Hays and W. Cornelissen. 1,535,225; Apr. 28.
Cameras, Waterproof covering for. R. T. Hosking. 1,535,312; Apr. 28.
Can: *See*—
Oil can.
Can opener. M. D. Moore. 1,536,026; Apr. 28.
Cans, Machine for stamping. W. E. Mitton. 1,535,539; Apr. 28.
Candy. J. A. Gurley. Des. 67,142; Apr. 28.
Candy scoop. O. Goddu. 1,535,600; Apr. 28.
Cap-display device. T. E. and R. E. Waters. 1,535,515; Apr. 28.
Car, Articulated. W. S. Adams. 1,535,799; Apr. 28.
Car-coupling device. H. W. Stertzbach. 1,535,959; Apr. 28.
Car-coupling device. J. C. Whitridge. 1,535,974; Apr. 28.
Car-coupling device. J. C. Whitridge, G. T. Johnson, and H. H. Wolfe. 1,535,971–3; Apr. 28.
Car-door mechanism. W. F. Cremean. 1,535,814; Apr. 28.
Car-door mechanism. C. M. Hannaford. 1,535,830–1; Apr. 28.
Car-door mechanism. B. W. Kadel. 1,536,015; Apr. 28.
Carbon and producing same, Decolorizing. L. Wickenden. 1,535,797–8; Apr. 28.
Carbon remover. I. J. Shipman. 1,535,953; Apr. 28.
Carburetor. E. A. Bessom. 1,536,042–3; Apr. 28.
Carburetor. F. H. Royce. 1,535,344; Apr. 28.
Carburetor attachment. I. Moody. 1,535,938; Apr. 28.
Carrier: *See*—
Bundle carrier.
Cartridge, Infusion. H. Lefrak. 1,535,553; Apr. 28.
Case: *See*—
Display case.
Gear case.
Casement adjuster. H. S. Lockwood. 1,535,672; Apr. 28.
Casing-ripping device. W. B. McMurtre and J. W. Moore. 1,535,234; Apr. 28.
Casing structure. P. MacGahan. 1,535,616; Apr. 28.
Casting and mold. E. H. Williams. 1,535,194; Apr. 28.
Casting, Centrifugal. C. B. Mills. 1,535,330; Apr. 28.
Casting ingots. J. B. Perry. 1,535,248; Apr. 28.
Casting machines, Centrifugal. W. J. Langston. 1,535,610; Apr. 28.
Casting molds, Core for. J. T. Stoney. 1,535,186; Apr. 28.
Casting, Multiple. V. F. Benditsen. 1,535,802; Apr. 28.
Casting pipe or the like horizontally, Apparatus for. J. R. McWane. 1,535,676; Apr. 28.
Castings, Mold with means for scoring. M. S. Clawson. 1,535,292; Apr. 28.
Ceiling-collar-attaching means. P. W. Sprecher. 1,535,696; Apr. 28.
Cellulose ester of reduced viscosity and making same. E. C. Pitman. 1,535,438; Apr. 28.
Cement-placing machinery. J. M. Crom. 1,535,991; Apr. 28.
Cementitous composition, Preparing a. J. H. Amies. 1,535,445; Apr. 28.
Cesspool-wall construction. J. H. Hawkins. 1,536,000; Apr. 28.
Chain curve. G. E. Luce. 1,535,785; Apr. 28.
Chain, Ornamental. H. Wolcott. 1,535,884; Apr. 28.
Chair seat. A. Nardel. Des. 67,155; Apr. 28.
Chairs, Rocker for. J. A. Drabinsky. 1,535,298; Apr. 28.
Chandelier or similar article. I. Rosenblatt. Des. 67,157; Apr. 28.
Chaplet, Molder's. P. J. Schmits. 1,535,847; Apr. 28.

Chloroform, Manufacture of. G. A. Richter and W. B. Van Arsdel. 1,535,378; Apr. 28.
Chromium upon metals, Electrolytically depositing elemental. S. Peacock. 1,535,339; Apr. 28.
Cigarettes, Trestle or container for receiving manufactured. E. Koerner. 1,535,784; Apr. 28.
Cinematographs or the like, Film-adjusting mechanism for. H. Seufert. 1,535,795; Apr. 28.
Clamp: *See*—
Skate clamp.
Clamp and connection, Combined. G. W. Ross. 1,535,342; Apr. 28.
Clamp block. E. J. Bryant. 1,535,570; Apr. 28.
Clay machines, Screen plate for. F. C. Carnahan. 1,535,290; Apr. 28.
Cleaner: *See*—
Air cleaner.
Bobbin cleaner.
Flue cleaner.
Clipper, Hair. E. K. Howell. 1,535,471; Apr. 28.
Clock, Automobile. W. R. Porter and E. H. Whitehead. 1,535,884; Apr. 28.
Closure device. L. R. O'Neill. 1,535,851; Apr. 28.
Closure operator. J. L. Stowern. 1,535,506; Apr. 28.
Cloth, Printed. A. Kazan. Des. 67,146; Apr. 28.
Clutch transmission. J. J. Boland. 1,535,566; Apr. 28.
Coagulant for purifying water and process of purifying water therewith. L. M. Booth. 1,535,709; Apr. 28.
Coat. T. Davis. Des. 67,139; Apr. 28.
Cock, Automatic cylinder. E. H. Smith. 1,535,631; Apr. 28.
Cock, Drain. J. F. Kelley. 1,536,019; Apr. 28.
Cock, Gauge. G. B. Clark. 1,535,576; Apr. 28.
Cock, Plug. G. Egloff and H. P. Benner. 1,535,212; Apr. 28.
Coffee tablet and making same, Self-sealing soluble. F. P. McColl and W. W. Willison. 1,535,233; Apr. 28.
Coin-operative device, Selective. J. S. Launderville. 1,535,424; Apr. 28.
Collapsible tube. N. M. Hopkins. 1,535,529; Apr. 28.
Collecting device. I. C. Reese. 1,535,544–5; Apr. 28.
Combing machine. H. Tunstall. 1,535,701; Apr. 28.
Compressor unit. W. D. Mercer. 1,535,936; Apr. 28.
Concentrator, Dry. W. H. Powell. 1,535,630; Apr. 28.
Concrete building construction. F. M. Sawyer. 1,535,845; Apr. 28.
Concrete masonry, Casting hollow. F. Selmer. 1,535,690; Apr. 28.
Concrete mixer. G. Jaeger. 1,535,159; Apr. 28.
Condenser, Surface. J. F. Grace. 1,535,662; Apr. 28.
Condensers, Auxiliary apparatus for. R. Sucsek. 1,535,697; Apr. 28.
Condensers, Auxiliary apparatus for. R. Sucsek. 1,535,746; Apr. 28.
Condensers, No-capacity control for. J. T. Bradley. 1,536,089; Apr. 28.
Condiment holder. J. Furda. 1,535,597; Apr. 28.
Container. V. Vivaudou. 1,535,140; Apr. 28.
Container closure and cap remover. G. A. Maddox. 1,535,488; Apr. 28.
Control mechanism. J. R. Buchanan. 1,535,569; Apr. 28.
Conveyer. H. B. Walker and C. O. Brown. 1,535,886; Apr. 28.
Cooker, Continuous. N. P. Bach. 1,535,197; Apr. 28.
Cooler: *See*—
Beverage cooler.
Radiator cooler.
Cooler and separator. W. L. R. Emmet. 1,535,819; Apr. 28.
Cord support. O. A. Colby. 1,535,578; Apr. 28.
Core box. O. Skeppstedt. 1,535,380; Apr. 28.
Core or mandrel, Collapsible. J. W. Kuhn. 1,536,022; Apr. 28.
Coring device. O. W. Dickerson. 1,535,297; Apr. 28.
Corn husker. O. Skarphol. 1,535,500; Apr. 28.
Corset anchor and hose supporter, Combined. E. D. Burtchby. 1,535,650; Apr. 28.
Cotton cleaners, Adjustable agitator for. J. A. Streun. 1,535,136; Apr. 28.
Cotton fabric. S. F. Bloch. Des. 67,119; Apr. 28.
Cotton-picking machine. E. H. Schofield. Re16,055; Apr. 28.
Counting device. M. D. Price. 1,535,737; Apr. 28.
Coupling: *See*—
Flexible coupling.
Pipe coupling.
Shaft coupling.
Crate-making machine. H. H. Whitehead. 1,535,882; Apr. 28.
Crossing-protecting device. E. P. Farrell. 1,535,911; Apr. 28.
Cultivator, Wheeled. R. J. and H. E. Altgelt. 1,535,887–8; Apr. 28.
Cultivator, Wheeled. R. J. and H. E. Altgelt and C. F. Cunningham. 1,535,889; Apr. 28.
Cultivator, Wheeled. A. D. Gallagher. 1,535,914; Apr. 28.
Culvert pipe. C. G. Kime. 1,535,162; Apr. 28.
Cup-forming machine, Sundae-. C. Barbieri. 1,535,757; Apr. 28.
Current-collecting device. H. P. Chandler. 1,535,984; Apr. 28.
Current wave, Obtaining the polar diagram of an alternating-. J. T. MacGregor-Morris and F. R. F. Ramsey. 1,535,829; Apr. 28.

Curtain rod, Telescopic. D. D. Richards. 1,535,133; Apr. 28.
Cutting and weighing machine. J. Dashew. 1,535,905; Apr. 28.
Cutting-off tool. A. L. Segelhorst. 1,535,348; Apr. 28.
Dental handpiece. W. J. Terry. 1,535,187; Apr. 28
Diaphragm-actuated mechanism. J. Twardowsky. 1,536,035; Apr. 28.
Die: *See*—
Thread-cutting die.
Die-casting machine. C. F. Hummel. 1,535,313; Apr. 28.
Dies for metal plates, Corrugation-forming. W. M. Connery. 1,535,295; Apr. 28.
Diestocks. Oil-feed device for. T. Heer. 1,535,773; Apr. 28.
Differential driving mechanism. C. E. Starr. 1,535,634; Apr. 28.
Dishwasher. N. L. Kenner. 1,536,020; Apr. 28.
Disks, Constructing clutch. E. E. Wemp. 1,535,191; Apr. 28.
Disks from cork or cork composition, Machine for producing. O. J. Harms. 1,535,466; Apr. 28.
Dispensing machine. P. Gans. 1,535,915; Apr. 28.
Dispensing stand. G. H. Russell. 1,535,254; Apr. 28.
Display carton. R. Van Iderstine. 1,535,968; Apr. 28.
Display case, Counter. M. Poses and M. Lubart. 1,535,179; Apr. 28.
Display device. C. F. Fricke. 1,535,408; Apr. 28.
Display stand. H. W. Ludwig. 1,535,929; Apr. 28.
Display stand for hosiery. N. L. Stevens. 1,535,874; Apr. 28.
Doll. M. E. Case. Des. 67,120; Apr. 28.
Doll. M. H. Slater. 1,535,796; Apr. 28.
Doll. E. L. Whitlock and J. Madison. Des. 67,171–2; Apr. 28.
Door and structure containing the same, Sliding. J. F. Middleditch. 1,535,127; Apr. 28.
Door buffer. J. T. Atwood. 1,535,446; Apr. 28.
Doorlock. A. C. Ballbach. 1,535,393; Apr. 28.
Doorlock. H. N. Sorenson. 1,535,742; Apr. 28.
Door lock, Exit-. H. W. Dyer. 1,535,210; Apr. 28.
Doorlock, Portable. W. S. Callery. 1,535,289; Apr. 28.
Door-locking mechanism. G. E. Dorey. 1,535,111; Apr. 28.
Door-operating mechanism. A. E. Kramer. 1,535,228; Apr. 28.
Door-release mechanism. J. W. Irwin and E. L. McDonald. 1,535,919; Apr. 28.
Dough and apparatus therefor, Mixing. W. A. Darrah. 1,535,205; Apr. 28.
Dough box, Baker's. S. Greenwald. 1,535,827; Apr. 28.
Draft rigging. B. W. Kadel. 1,535,315; Apr. 28.
Draft rigging. I. O. Wright. Re16,057; Apr. 28.
Drag-scraper equipment. W. E. Hale. 1,535,663–4; Apr. 28.
Drain table. D. F. Loudon. 1,535,928; Apr. 28.
Dress, Child's. M. C. Schmolze. Des. 67,180; Apr. 28.
Drill: *See*—
Well drill.
Drill bit. M. E. Thomas. 1,536,034; Apr. 28.
Drill collar. G. S. Myers. 1,535,941; Apr. 28.
Drill-pipe slip. F. J. Schwimmer. 1,535,689; Apr. 28.
Drilling device. L. F. Fraser. 1,535,302; Apr. 28.
Drilling jar. P. Arbon. 1,535,088; Apr. 28.
Drilling machine. W. T. Sears. 1,535,257–8; Apr. 28.
Drills, Mounting for rock. R. H. Wilhelm. 1,535,143; Apr. 28.
Drills, Rotation for rock. L. C. Bayles. 1,535,198; Apr. 28.
Drying apparatus. L. H. Bergman. 1,535,804; Apr. 28.
Drying, burning, and recovering finely-divided materials, Apparatus for. J. N. A. Sauer. 1,535,949; Apr. 28.
Dye solutions, Apparatus for reducing. F. A. Eustis. 1,535,152; Apr. 28.
Dyes and other solutions, Reducing indigo. F. A. Eustis. 1,535,151; Apr. 28.
Educational device. J. B. Wooster. 1,535,706; Apr. 28.
Educational record. M. E. Thompson. 1,535,188; Apr. 28.
Egg cases or crates, Filler device for. W. Frericks. 1,535,460; Apr. 28.
Electric cables, Manufacture of. E. A. Bayles. 1,535,711; Apr. 28.
Electric furnace. W. E. Moore. Re16,054; Apr. 28.
Electric heater. W. Clark. 1,535,901; Apr. 28.
Electric heating unit. J. G. Wallmann. 1,535,638; Apr. 28.
Electric house or lighting circuit. H. F. Vickery. 1,535,360; Apr. 28.
Electric-light fixture, Portable. E. A. Ermold. 1,535,659; Apr. 28.
Electric-lighting fixture. J. C. Lowry. Des. 67,151; Apr. 28.
Electric resistor furnace. T. A. Reid. 1,535,547; Apr. 28.
Electric switch. J. D. Hilliard. 1,535,835; Apr. 28.
Electric switch. G. S. Leddick. 1,535,924; Apr. 28.
Electric switch. H. M. Stevens. 1,535,873; Apr. 28.
Electric time switch. H. W. Christian. 1,535,101; Apr. 28.
Electrical connecter. S. Cohen. 1,535,451; Apr. 28.
Electrical connection device. H. B. Jones. 1,535,780; Apr. 28.
Electrical devices, Controlling means for. J. E. Harvey. 1,535,306; Apr. 28.
Electrical interference, Preventing. S. I. Cory. 1,535,104; Apr. 28.
Electrical measuring device. C. L. G. Fortescue, L. W. Chubb, and J. Slepian. 1,535,593; Apr. 28.
Electrical measuring instrument. R. D. Evans. 1,535,587–9; Apr. 28.
Electrical measuring instrument. C. L. Fortescue. 1,535,594; Apr. 28.
Electrical switch. J. A. Johnson and H. M. King. 1,535,778; Apr. 28.
Electrical system. A. Nyman. 1,535,624; Apr. 28.
Electrical system of control. O. C. Traver. 1,535,879; Apr. 28.
Electrical transformers, Coil for. J. Roothaan. 1,535,859; Apr. 28.
Electrode for vacuum lightning conductors, Carbon. S. T. Dahl. 1,535,108; Apr. 28.
Electrode, Welding. G. E. Doan. 1,535,365; Apr. 28.
Electrolytic apparatus. C. G. Spencer. 1,535,185; Apr. 28.
Electrolytic deposition of metals, Apparatus for the. A. H. W. Cleave. 1,535,577; Apr. 28.
Electrolytic refining, Method of and apparatus for. P. C. Frary. 1,535,458; Apr. 28.
Electromagnet, Flexible. E. C. Mayer. 1,535,618; Apr. 28.
Electroplating apparatus. I. J. Koehnline and W. E. Armstrong. 1,535,318; Apr. 28.
Electropneumatic control system. L. Janisch. 1,536,009; Apr. 28.
Elevator: *See*—
Sucker-rod elevator.
Elevator for stairways. C. C. Crispen. 1,535,106; Apr 28.
Embroidering machine. W. Myers. 1,536,041; Apr. 28.
Enameling articles, Apparatus for. E. O'Hara. 1,535,850; Apr. 28.
Engine: *See*—
Fluid-pressure engine. Internal-combustion engine.
Gas engine.
Engine-pressure register. J. F. Sauer. 1,535,688; Apr. 28.
Engines, Carbureter for internal-combustion. F. H. Royce. 1,535,860; Apr. 28.
Engines, Fuel valve for internal-combustion. R. Herkt. 1,536,003; Apr. 28.
Engines, Governor mechanism for internal-combustion. F. R. Hostetler. 1,535,723; Apr. 28.
Engines, Housing for tappet and rocker arms for internal-combustion. T. P. Cain. 1,535,449; Apr. 28.
Engines, Manifold arrangement for multiple-cylinder. G. D. Angle. 1,535,064; Apr. 28.
Engines, Method and means to facilitate the distribution of fuel in internal-combustion. J. W. Swan. 1,536,044; Apr. 28.
Excavating apparatus. P. Ursino. 1,535,509; Apr. 28.
Excavating buckets, Operating and detaching mechanism for. O. N. Gardner. 1,535,720; Apr. 28.
Exerciser. J. R. Anderson. 1,535,301; Apr. 28.
Expansion joint. C. P. Dubbs. 1,535,209; Apr. 28.
Extractor: *See*—
Infusion extractor.
Eyeglass construction. P. W. Jones. 1,535,781; Apr. 28.
Fabrics with liquids, Apparatus for treating. C. H. Ramsey and A. C. Maskery. 1,535,251; Apr. 28.
Fan blower. H. C. Wallace. 1,535,362; Apr. 28.
Farm gate. E. Parkinson. 1,535,177; Apr. 28.
Fastener. F. S. Carr. 1,535,981–3; Apr. 28.
Fastener. L. A. Lupien. 1,535,841; Apr. 28.
Faucet attachment. M. D. Stalder. 1,535,353; Apr. 28.
Faucet, Laundry. W. F. Van Eweyk. 1,535,189; Apr. 28.
Feed box for stock. J. V. Koerperich and L. J. Hauser. 1,535,165; Apr. 28.
Feed-water system. C. U. Savoye. 1,535,440; Apr. 28.
Felt articles, Machine for shrinking. H. A. Genest. 1,535,327; Apr. 28.
Felt articles, Machine for shrinking. W. A. Lorens. 1,535,324–6; Apr. 28.
Felt articles, Machine for shrinking. W. A. Lorens. 1,535,328; Apr. 28.
Fenceposts, Method and apparatus for manufacturing hard-steel. V. Hoxie and M. C. Epke. 1,535,777; Apr. 28.
Fender guard. W. R. McGowen. 1,535,170; Apr. 28.
Fender-protecting brace. E. F. Graham. 1,535,826; Apr. 28.
Figure toy. A. Lee. 1,535,925; Apr. 28.
Filing machine. R. H. Freitag. 1,535,407; Apr. 28.
Filing system, Vertical. W. A. Ringler. 1,535,885; Apr. 28.
Film indicator and operator's warner, Automatic. J. Cvitkovich. 1,535,520; Apr. 28.
Film-splicing apparatus. E. Monacelli and A. Pagnanelli. 1,535,129; Apr. 28.
Filter. W. C. Tracy. 1,535,750; Apr. 28.
Filtering apparatus. H. E. Duke and G. W. Pierce. 1,535,112; Apr. 28.
Finger ring. C. N. Keith. Des. 67,147; Apr. 28.
Finger ring. J. Martin. Des. 67,152; Apr. 28.
Flask pin. R. Koenke. 1,535,671; Apr. 28.

Flexible coupling. C. A. Schell. 1,535,865; Apr. 28.
Floor jack. J. Yarbrough. 1,535,276; Apr. 28.
Floor-waxing device. J. H. Millholland. 1,535,937; Apr. 28.
Flue cleaner. W. W. Evans. 1,535,115; Apr. 28.
Fluid-compressing apparatus. E. Sucsek. 1,536,137; Apr. 28.
Fluid-fuel burner. H. Leconte and L. Hirsch. 1,535,166; Apr. 28.
Fluid-mixing device. J. W. F. Macdonald. 1,535,426; Apr. 28.
Fluid-pressure engine. I. K. Fox. 1,535,659; Apr. 28.
Flushing mechanism. O. H. Theleen. 1,535,268; Apr. 28.
Flushometer. C. H. Atkins. 1,535,562; Apr. 28.
Flying machines or the like, Propeller for. J. A. McFarlane. 1,535,613; Apr. 28.
Folding and slitting machine. H. Ehlig. 1,535,216; Apr. 28.
Folding brace. N. Belden. 1,535,718; Apr. 28.
Folding mechanism. O. C. Roesen. 1,535,686; Apr. 28.
Folding table. R. H. Platt, jr. 1,535,683; Apr. 28.
Foot measure. W. T. Goldsmith. 1,535,906; Apr. 28.
Fountain. A. J. Tisley. 1,535,964; Apr. 28.
Frame members, Uniting complementary. W. K. Bishop. 1,536,038; Apr. 28.
Freight, Method and apparatus for handling. C. B. Cook. 1,535,209; Apr. 28.
Friction wrench. G. J. Jones and B. J. Blanning. 1,536,011; Apr. 28.
Fuel burner, Pulverized-. H. R. Collins. 1,535,906; Apr. 28.
Fuel-burning apparatus, Pulverized-. W. O. Renkin. 1,535,132; Apr. 28.
Fuel igniters, Controller for. W. L. Morris. 1,535,240; Apr. 28.
Fuel-reserve tank. J. G. Armknecht. 1,535,642; Apr. 28.
Furnace: *See*—
Electric furnace. Rabble furnace.
Electric resistor furnace.
Furnace. W. H. Fisher and P. Chambers. 1,535,902; Apr. 28.
Furnace. J. A. Stairs. 1,535,352; Apr. 28.
Furnace. C. J. Wright. 1,535,277; Apr. 28.
Furnace control, Electric-. H. A. Winne. 1,535,883; Apr. 28.
Furnace stoker. A. P. Strong. 1,535,961; Apr. 28.
Furnaces, Device for utilizing the heat contained in the fuel residues of. C. Christiano. 1,535,765; Apr. 28.
Furnaces, Feeding powdered coal to blast. A. G. McGregor. 1,535,174; Apr. 28.
Game. R. M. Griebel. 1,535,718; Apr. 28.
Game apparatus. J. J. Sarber. 1,535,280; Apr. 28.
Game table. E. G. Kohl. 1,535,484; Apr. 28.
Garter. A. M. Malouf. 1,535,417; Apr. 28.
Gas burner. H. W. Partlow. 1,535,491; Apr. 28.
Gas engine, Two-cycle. W. A. Morrell. 1,535,483; Apr. 28.
Gas generators, Power declinkering apparatus for. G. A. and L. B. Bronder. 1,535,649; Apr. 28.
Gas heater. A. J. Hartfield. 1,535,412; Apr. 28.
Gas, oil, and sand separator. H. M. Gill. 1,535,721; Apr. 28.
Gases and liquids, Method of and apparatus for separating. A. S. Williams. 1,535,754; Apr. 28.
Gaseous fluids, Heating. H. A. Brassert and C. W. Andrews. 1,535,146; Apr. 28.
Gate: *See*—
Automatic safety gate. Railway-grade-crossing gate.
Farm gate.
Gate. H. G. Lane. 1,535,320; Apr. 28.
Gauge: *See*—
Marking gauge. Wheel gauge.
Thread gauge.
Gauge. E. H. Aldeborgh. 1,535,641; Apr. 28.
Gear case. J. J. Fairbairn. 1,535,524; Apr. 28.
Gear, Wedge. A. Luschenowsky. 1,535,487; Apr. 28.
Gearing. W. H. George. 1,535,409; Apr. 28.
Gearing clutch, Transmission-. B. E. Richardson and A. M. Lynn. 1,535,790; Apr. 28.
Gearing, Screw. F. G. B. Rödel. 1,535,135; Apr. 28.
Girdle. E. H. Ross. Des. 67,158; Apr. 28.
Glare screen. J. Brey. 1,535,810; Apr. 28.
Glass apparatus, Window-. J. G. Cleveland and H. L. Keller. 1,535,717; Apr. 28.
Glue, Casein. H. L. Prestholdt. 1,535,375; Apr. 28.
Gluten from starch, Device for freeing. C. H. Briggs. 1,535,811; Apr. 28.
Golf-ball tee or support. B. R. Sawyer. 1,535,181; Apr. 28.
Golf club. H. Barnes. 1,535,707; Apr. 28.
Golf club. C. Fisher. 1,535,719; Apr. 28.
Golf club. W. Kidd. 1,535,670; Apr. 28.
Golf club. R. G. Tyler. 1,535,270; Apr. 28.
Golf-club shaft or handle. A. B. Horne. 1,535,637; Apr. 28.
Golf game. H. H. McNair and E. Kopper. 1,535,128; Apr. 28.
Graders, Direct-draft mechanism for road. F. E. Arndt. 1,535,891; Apr. 28.
Grain sprouter. W. H. Hackman. 1,535,463; Apr. 28.
Graphic representation of functions, Device for the. P. L. Mercier and H. E. Gulberteau. 1,535,040; Apr. 28.
Grate bar for sintering machine and the like. H. L. Spence. 1,535,695; Apr. 28.
Gravity wheel. J. Baumann. 1,535,090; Apr. 28.
Grease-extractor apparatus, Feed-water. H. C. Davis. 1,535,768; Apr. 28.
Grinding machine. H. A. Benedict and E. M. Moller. 1,535,563; Apr. 28.
Grinding machine. P. Conradson. 1,535,452; Apr. 28.
Grinding machine. M. Morgan. 1,535,331; Apr. 28.
Grinding machines, Precision feeler apparatus for. M. Moog. 1,535,615; Apr. 28.
Gun-cleaning compound and preparing same. E. Laughlin. 1,535,124; Apr. 28.
Gun, Multibarrel. N. E. Methlin. 1,535,619; Apr. 28.
Hair-holding device. H. Hillebrand. 1,535,309; Apr. 28.
Hairpin. S. Tanaka. 1,535,355; Apr. 28.
Hair-waving machine, Permanent. G. Lantieri. 1,535,122; Apr. 28.
Hammer head, Claw-. L. O. Randell and E. H. Raply. 1,535,685; Apr. 28.
Hammer, Pneumatic. G. H. Gilman. 1,535,599; Apr. 28.
Hanger: *See*—
Swing hanger.
Harmonica holder. E. Davidson. 1,535,206; Apr. 28.
Harvester, Beet. J. T. Stanage. 1,535,872; Apr. 28.
Harvester, Header and thrasher. H. J. McQuillan. 1,535,535; Apr. 28.
Harvesters, Elevator for corn. F. D. Wilson. 1,535,443; Apr. 28.
Hat. E. Witcoff. 1,535,389; Apr. 28.
Hayrack. E. Tobias. 1,535,965; Apr. 28.
Headlight, Vehicle. O. E. Zschunke. 1,535,282; Apr. 28.
Headlights, Dimmer for automobile. G. Pratt. 1,535,854; Apr. 28.
Heat exchanger. J. A. Stairs. 1,535,351; Apr. 28.
Heat-transmission tube. I. Isaachsen. 1,535,581; April 28.
Heater: *See*—
Air heater. Incubator heater.
Air and fuel heater. Shoe heater.
Electric heater. Water heater.
Gas heater. Well heater.
Heater for Schreiner rolls. W. W. Johnson, jr. 1,535,608; Apr. 28.
Heaters, Manufacturing radiating elements for gas. A. H. Humphrey. 1,535,473; Apr. 28.
Heaters, Radiating element for gas. A. H. Humphrey. 1,535,472; Apr. 28.
Heel, Shoe. W. E. Perry. 1,535,786; Apr. 28.
Hinge. T. A. Jostedt. 1,535,668; Apr. 28.
Hinge for windows and doors of motor cars. H. Klemm. 1,535,723; Apr. 28.
Hog-oiling device, Automatic. O. A. Lemon. 1,535,839; Apr. 28.
Hog sprayer. A. McPherson. 1,535,614; Apr. 28.
Hoists, Automatic stop mechanism for power. W. E. Simpson. 1,535,892; Apr. 28.
Hoists, Swivel mounting for. C. C. Hansen. 1,535,221; Apr. 28.
Hook. M. E. Saunier. 1,535,256; Apr. 28.
Hook. A. E. Yoder. 1,535,279; Apr. 28.
Horse collar, Pneumatic. J. A. Neely and R. P. Henry. 1,535,679; Apr. 28.
Hose or tubing stripping apparatus. F. L. MacAleese. 1,535,868; Apr. 28.
Humidifier, Automatic. E. B. Beeler. 1,535,287; Apr. 28.
Hydrocarbons, Process and apparatus for. W. R. Howard. 1,535,724; Apr. 28.
Hydrocarbons, Treating. W. R. Howard. 1,535,725; Apr. 28.
Ice-cream cones, Apparatus for the manufacture of. H. L. Bowdoin. 1,535,897; Apr. 28.
Ice-cutting machine. F. H. Austin. 1,535,892; Apr. 28.
Ice-cutting machine. E. A. New. 1,535,334; Apr. 28.
Ice machine, Portable. H. S. Heller. 1,535,603; Apr. 28.
Ice-scraping device. J. Sperlich. 1,535,632; Apr. 28.
Impeller, Open. L. R. Huff. 1,535,417; Apr. 28.
Incubator heater. L. A. Brown. 1,535,097; Apr. 28.
Incubator heater, Electric. C. Hamilton. 1,535,829; Apr. 28.
Index and cross feed mechanism. J. G. Manning. 1,535,932; Apr. 28.
Indicator: *See*—
Lubricator indicator.
Infusion extractor. J. J. Gallardo. 1,535,769; Apr. 28.
Ingot mold and making same. R. G. Coates. 1,535,199; Apr. 28.
Ingot, mold, and method of casting. J. E. Perry. 1,535,246; Apr. 28.
Ingot mold and method of casting. J. E. Perry. 1,535,247; Apr. 28.
Ingot mold, Horisontal. J. E. Perry. 1,535,249; Apr. 28.
Ingots, and the ingot, Making. J. E. Perry. 1,535,245; Apr. 28.
Insulation, Heat. A. H. Gallagher. 1,535,220; Apr. 28.
Insulator, Trolley-conductor. S. S. Matthes. 1,535,733; Apr. 28.
Insulator, Trolley-conductor. S. S. Stoip. 1,535,745; Apr. 28.
Internal-combustion engine. C. Latta. 1,535,423; Apr. 28.

Iodine and making the same. W. L. Chandler. 1,535,450; Apr. 28.
Iron: *See*—
Blow iron. Soldering iron.
Pressing iron. Thermostatically-controlled iron.
Rust-resistant iron.
Iron manufacture. C. Davies, jr. 1,535,109; Apr. 28.
Iron, Producing substantially pure. A. P. Holloway and S. Peacock. 1,535,311; Apr. 28.
Iron, steel, ferro alloys, and compositions of matter for use therein, Desulphurizing. D. D. Jackson, J. D. Sears, and F. Conlin. 1,535,227; Apr. 28.
Jack: *See*—
Floor jack. Screw jack.
Jar: *See*—
Drilling jar. Rotary jar.
Joint: *See*—
Expansion joint. Rail joint.
Knitted fabric. C. C. Hyde. Des. 67,145; Apr. 28.
Lace. E. D. Teague. Des. 67,168–9; Apr. 28.
Lace-tipping machine. H. D. Regar. 1,535,546; Apr. 28.
Ladder. G. A. Milbradt. 1,535,432; Apr. 28.
Ladle. F. E. Kling. 1,535,482; Apr. 28.
Ladle, Pouring. A. Collin and D. Jeunehomme. 1,535,201; Apr. 28.
Lamp, Casing for a signal. R. E. Bechtold. Des. 67,118; Apr. 28.
Lamp casing, Signal-. C. A. Mellicke. Des. 67,153; Apr. 28.
Lamp globe. J. V. Hughes. Des. 67,144; Apr. 28.
Lamp support. E. A. Everett. 1,535,218; Apr. 28.
Lampblack, Producing. G. Egloff. 1,535,214; Apr. 28.
Lampblack to metal molds, Automatic application of. J. L. Dostal. 1,535,149; Apr. 28.
Lantern, Electric. T. Mee, jr. 1,535,845; Apr. 28.
Lantern-type advertisement and picture-displaying apparatus. H. Parks. 1,535,131; Apr. 28.
Latch. I. S. Keeler. 1,535,478; Apr. 28.
Latch construction, Door-. H. T. Thomas. 1,535,138; Apr. 28.
Lathe. W. E. Ingham. 1,535,158; Apr. 28.
Lathe. W. L. Schellenbach. 1,535,346; Apr. 28.
Lathe, Copying. J. A. R. Bennet. 1,535,708; Apr. 28.
Lathe chuck. F. C. Smart. 1,535,183; Apr. 28.
Lathe-knife-grinding machine. W. H. Collier. 1,535,813; Apr. 28.
Leather or the like, Machine for forming artificial. C. W. Avery. 1,535,447; Apr. 28.
Leveling means. R. R. Miller. 1,535,846; Apr. 28.
Lifter: *See*—
Body lifter. Brick-stack lifter.
Light apparatus, Therapeutic-. V. T. Julin. 1,535,514; Apr. 28.
Light, signal, and license-plate holder, Combination tail. E. M. Barros. 1,535,089; Apr. 28.
Lighting and starting system for motor vehicles, Electric. F. W. Springer. 1,535,956; Apr. 28.
Lighting fixture. H. H. Wolter. Des. 67,174–5; Apr. 28.
Lighting-fixture arm. F. S. Crowell. Des. 67,130; Apr. 28.
Lighting-fixture body. F. S. Crowell. Des. 67,138; Apr. 28.
Lighting-fixture body. F. S. Crowell. Des. 67,179; Apr. 28.
Lighting-fixture bracket back. F. S. Crowell. Des. 67,125; Apr. 28.
Lighting-fixture bracket back. F. S. Crowell. Des. 67,127; Apr. 28.
Lighting-fixture bracket back. F. S. Crowell. Des. 67,129; Apr. 28.
Lighting-fixture bracket back. F. S. Crowell. Des. 67,132; Apr. 28.
Lighting-fixture bracket back. F. S. Crowell. Des. 67,136; Apr. 28.
Lighting-fixture canopy. F. S. Crowell. Des. 67,133; Apr. 28.
Lighting-fixture canopy. H. H. Wolter. Des. 67,176–7; Apr. 28.
Lighting-fixture ceiling light. F. S. Crowell. Des. 67,128; Apr. 28.
Lighting-fixture ceiling light. F. S. Crowell. Des. 67,131; Apr. 28.
Lighting-fixture ceiling light. F. S. Crowell. Des. 67,135; Apr. 28.
Lighting-fixture frame. F. S. Crowell. Des. 67,137; Apr. 28.
Lighting-fixture plate. F. S. Crowell. Des. 67,122–3; Apr. 28.
Lighting-fixture spindle. H. H. Wolter. Des. 67,178; Apr. 28.
Lighting-fixture wall plate. F. S. Crowell. Des. 67,124; Apr. 28.
Lighting-fixture wall plate. F. S. Crowell. Des. 67,126; Apr. 28.
Liquid-dispensing device. W. H. Rose. 1,535,180; Apr. 28.
Liquid-fuel burner. G. W. Walsh and B. Sweatt. 1,535,702; Apr. 28.
Liquid-fuel burner or atomiser. C. Zulver. 1,535,836; Apr. 28.
Liquid-supply device for toilet purposes. C. Dionne. 1,535,817; Apr. 28.
Liquid-weighing machine. H. Ranchfuss. 1,535,788; Apr. 28.
Lithopone, Manufacture of. J. B. Booge. 1,535,760; Apr. 28.
Load inertia, Overcoming. C. A. M. Weber. 1,535,689; Apr. 28.
Loading appliance. C. L. Talbot. 1,535,699; Apr. 28.
Loading machine. F. Oldroyd. 1,535,337; Apr. 28.
Lock: *See*—
Doorlock. Window-sash lock.
Vehicle lock. Window-screen lock.
Lock. F. M. Edgar and T. P. Archer. 1,535,150; Apr. 28.
Locking device, Film-spool-. M. W. Macdonald. 1,535,930; Apr. 28.
Locomotive. W. R. Woodard. 1,536,036; Apr. 28.
Locomotive, Electric-storage-battery. R. Mancha. 1,535,175; Apr. 28.
Loom shuttle, thread guide. N. Caron. 1,535,900; Apr. 28.
Looms, Feeler mechanism for. A. E. Rhoades. 1,535,947; Apr. 28.
Looms, Protector mechanism for. O. C. Cassell. 1,535,291; Apr. 28.
Loose materials into coherent bodies, Forming. A. L. Stillman. 1,536,032; Apr. 28.
Loud speaker. L. Schwartz. 1,535,951; Apr. 28.
Lubricator. J. O. Johnson. 1,536,010; Apr. 28.
Lubricator indicator. C. N. Nellson. 1,535,434; Apr. 28.
Lug-cutting machine. J. W. Bishop. 1,535,805; Apr. 28.
Lug-removing device. M. Hoffman. 1,535,469; Apr. 28.
Lunch box. E. P. Smith. 1,535,954; Apr. 28.
Machine support. F. A. Adams. 1,535,558; Apr. 28.
Mail-box signal. J. B. Maserang. 1,535,677; Apr. 28.
Marking gauge. L. M. Dabney. 1,535,816; Apr. 28.
Marking guide. N. J. Campbell and A. M. Herbsman. 1,535,980; Apr. 28.
Measuring and filling device. E. L. Stahley. 1,535,571; Apr. 28.
Measuring the quantity of milk given by each cow milked by milking machines, Apparatus for. R. W. Noble. 1,535,541; Apr. 28.
Meat-cutting machines, Unloading means for. O. C. Schmidt. 1,535,794; Apr. 28.
Melting device, Auxiliary. G. B. Lee. 1,535,231–2; Apr. 28.
Melting pot, Electric. R. C. Hawk. 1,535,807; Apr. 28.
Mercury from cinnabar, Extracting. E. E. Hedges. 1,536,467; Apr. 28.
Mercury-vapor trap. A. L. Hughes and F. B. Poindexter. 1,535,577; Apr. 28.
Metal and metal alloy for thermoelectric purposes, in particular for making thermocouples. W. Rohn. 1,535,858; Apr. 28.
Metal articles, Manufacturing. A. D. Meisebach. 1,535,870; Apr. 28.
Metal chair. I. Salomon. Des. 67,159; Apr. 28.
Metals, Removing slag and neutralizing fumes arising in treatment of molten. F. Conlin. 1,535,202; Apr. 28.
Metallic and fibrous bodies, Uniting. G. O. Rockwood, L. C. McAnly, and J. W. Skelley. 1,535,134; Apr. 28.
Meter: *See*—
Volt-ampere meter.
Mine, Submarine contact. E. A. Sperry. 1,535,633; Apr. 28.
Mirror, Metal. C. A. B. Halvorson, jr. 1,535,916; Apr. 28.
Mixing mills, Protecting device for. W. S. Ashton. 1,535,392; Apr. 28.
Mixer: *See*—
Concrete mixer.
Moisture, Device for supplying. O. B. Olmstead. 1,535,681; Apr. 28.
Mold: *See*—
Ingot mold. Stereotype mold.
Mold for reactance-coil supports. L. Dorfman. 1,535,584; Apr. 28.
Mold-ramming machine. R. L. Redpath and S. C. Bliss. 1,536,081; Apr. 28.
Molding and apparatus therefor. J. R. Welch. 1,535,274; Apr. 28.
Molding press to make molds in wax and other substances for the use of electrotypers and others, Process. A. W. Soukup. 1,535,870; Apr. 28.
Mop. W. J. Moore. 1,535,540; Apr. 28.
Mop-cloth holder. F. L. Cunningham. 1,535,767; Apr. 28.
Mop head. W. Rawalt. 1,535,946; Apr. 28.
Motor: *See*—
Step-by-step motor.
Motor cycle. C. A. Neracher. 1,535,680; Apr. 28.
Motor, Self-starting synchronous. T. Hibbard. 1,535,774; Apr. 28.
Motor switch, Centrifugal. J. R. Cook. 1,535,766; Apr. 28.
Mowing-machine cutter bar. F. R. Wilson. 1,535,640; Apr. 28.
Muffler. J. Ragany. 1,535,787; Apr. 28.
Music stand. C. A. Carmany. 1,535,812; Apr. 28.
Nail puller and case opener, Combined. H. C. Gore. 1,535,824; Apr. 28.
Necktie. M. C. Kelly. 1,535,669; Apr. 28.
Necktie box. A. Cohn. 1,535,102; Apr. 28.
Nest, Trap. I. N. Waggonner. 1,535,512; Apr. 28.
Nonskid gripping member. L. A. Colella and S. Zeff. 1,535,200; Apr. 28.

Nuts, Process and apparatus for threading. R. H. Smith. 1,535,184; Apr. 28.
Oil and other projectable fuels, Furnace adapted for burning. N. H. Morris. 1,535,332; Apr. 28.
Oil, Apparatus for treating. G. Egloff and H. P. Benner. 1,535,655; Apr. 28.
Oil burner. A. W. Breiding. 1,535,710; Apr. 28.
Oil burner. A. E. Chisholm and S. Murray. 1,535,575; Apr. 28.
Oil burner. W. T. Cunningham. 1,535,815; Apr. 28.
Oil burner. C. F. Wadsworth. 1,535,510; Apr. 28.
Oil-burning system. C. J. Abraham and M. A. Norris. 1,535,195; Apr. 28.
Oil can. M. S. Gates, G. W. Balcom, and F. L. Roberson. 1,535,994; Apr. 28.
Oil-dispensing device. C. Spaeth. 1,535,349; Apr. 28.
Oil, Process and apparatus for treating. G. Egloff and H. P. Benner. 1,535,211; Apr. 28.
Oil, Quenching. H. Rodman and E. E. Boren. 1,535,379; Apr. 28.
Oil treatment, Hydrocarbon-. G. Egloff and H. P. Benner. 1,535,653; Apr. 28.
Oil, Treating petroleum. G. Egloff and H. P. Benner. 1,535,654; Apr. 28.
Oils, Apparatus for converting hydrocarbon. R. T. Pollock. 1,535,178; Apr. 28.
Oils, Distilling petroleum. G. H. Fifield. 1,535,457; Apr. 28.
Oils, Treating acid-sludge. G. Egloff. 1,535,218; Apr. 28.
Oils, Treating acid-sludge. G. Egloff. 1,535,656; Apr. 28.
Oiler, Self-. F. Dohrmann. 1,535,110; Apr. 28.
Optical demonstrating device. A. E. Kintner. 1,535,163; Apr. 28.
Organs, Pneumatic action for reed. P. Preston. 1,535,493; Apr. 28.
Oscillations, Apparatus for producing. D. G. McCaa. 1,535,674; Apr. 28.
Oven, Vertical. O. A. Colby. 1,535,579; Apr. 28.
Package binders, Implement for applying and fastening. S. C. Cary. 1,535,716; Apr. 28.
Packer for pumps. J. D. Wade. 1,535,385; Apr. 28.
Packing. T. B. Dupree and H. P. Rhodes. 1,535,456; Apr. 28.
Packing construction for stoker plungers. R. S. Riley. 1,535,341; Apr. 28.
Packing for elastic-fluid turbines. O. Junggren. 1,536,014; Apr. 28.
Packing ring, Piston. F. B. Small. 1,535,552; Apr. 28.
Pan or the like. W. H. Hendricks. 1,535,604; Apr. 28.
Paper. T. L. Stone. Des. 67,160; Apr. 28.
Paper and forming same, Safety. C. F. Sammet. 1,535,858; Apr. 28.
Paper and making same, Safety. C. F. Sammet. 1,535,861–2; Apr. 28.
Paper board. L. J. Spaeder. 1,535,503; Apr. 28.
Paper product. K. L. Moses. 1,535,940; Apr. 28.
Paper stock, Method of and apparatus for working. A. J. Haug. 1,535,834; Apr. 28.
Pavement breaker. C. C. Hansen. 1,535,411; Apr. 28.
Pencil. C. R. Keeran. 1,536,017; Apr. 28.
Pencil. I. L. Pomeroy. 1,536,030; Apr. 28.
Pepper caster. G. Hausler. 1,535,772; Apr. 28.
Petrol, Production of. F. Tinker. 1,535,597; Apr. 28.
Phonograph cabinet. E. Y. Barrows. Des. 67,116; Apr. 28.
Phonograph cabinet. J. Wolff. Des. 67,173; Apr. 28.
Phonograph needle. H. Bamberger. 1,535,285; Apr. 28.
Phonograph stop, Nonset automatic. C. R. Gotshall and R. S. Snyder. 1,535,825; Apr. 28.
Phosphate from low-content phosphate and clay or the like, Separating high-content. S. E. Kanowits and H. A. Webster. 1,535,120; Apr. 28.
Photographic device. L. Horst. 1,535,606; Apr. 28.
Photographic hardening, Selective. L. T. Troland. 1,535,700; Apr. 28.
Photographic printing mask. P. R. Watson and W. O. Tilsley. 1,535,142; Apr. 28.
Piano, Built-in. M. M. MacDonald. 1,535,842; Apr. 28.
Piano-hammer felt-softening tool. D. Pehde. 1,535,853; Apr. 28.
Picture machines, Shutter-timing mechanism for motion-. J. C. Foster. 1,535,820; Apr. 28.
Pie crimper. J. C. Forster. 1,535,300; Apr. 28.
Pin: *See*—
Flask pin.
Pipe: *See*—
Culvert pipe. Smoking pipe.
Pipe coupling. T. S. Collins. 1,535,294; Apr. 28.
Pipe coupling. W. H. Fulton. 1,535,219; Apr. 28.
Pipe-foundry plant. J. R. McWane. 1,535,675; Apr. 28.
Pipewrench. P. McDonald and E. O. Call. 1,535,534; Apr. 28.
Piston. E. M. Burdick. 1,535,571; Apr. 28.
Piston sleeve. C. Lamb and D. R. Radford. 1,536,025; Apr. 28.
Planer, Special. J. B. Sutton. 1,535,875; Apr. 28.
Plastic composition and process. H. G. Jaeger. 1,535,726; Apr. 28.
Plate or similar article. E. B. Tatler. Des. 67,167; Apr. 28.
Plows, Fastening means for seed-planter attachments for wheeled. J. Järfås, jr. 1,535,419; Apr. 28.
Pneumatic tools, Handle lock for. J. R. L. Santos. 1,535,739; Apr. 28.
Pole, Towing. H. C. Buffington. 1,535,897; Apr. 28.
Polishing composition. J. Schwarzkopf. 1,535,952; Apr. 28.
Pool-table pocket. A. Leone. 1,535,926; Apr. 28.
Post: *See*—
Binding post.
Pot: *See*—
Melting pot.
Poultry feeder. E. Amborn. 1,535,890; Apr. 28.
Power from fuel, Producing. O. H. Ensign. 1,535,657; Apr. 28.
Press and mold therefor, Refractory-shape. A. J. Gulich. 1,535,410; Apr. 28.
Pressing iron, Steam. H. A. Koenig. 1,535,837; Apr. 28.
Printing machines, Feed gear for the cylinders of. G. Bornschein. 1,535,568; Apr. 28.
Printing machines, Wetting device for rotary rubber-. G. Bornschein. 1,535,567; Apr. 28.
Projection screen. P. L. Clark. 1,535,985; Apr. 28.
Proofer. C. D. Wilke. 1,535,705; Apr. 28.
Propeller. F. Bracco. 1,536,808; Apr. 28.
Propeller for water and air craft, Double. R. Wagner. 1,535,511; Apr. 28.
Puller: *See*—
Air-bag puller. Stump puller.
Pulley. M. F. Magley. 1,535,869; Apr. 28.
Pulley. W. Raeburn. 1,535,791; Apr. 28.
Pump. J. Astrom. 1,535,643; Apr. 28.
Pump. O. Jacobsen. 1,535,474; Apr. 28.
Pump and an automobile, Coupling arrangement between a. J. C. Hansen-Ellehammer. 1,535,832; Apr. 28.
Pump, Automatic oil and gas separating. A. M. Chrisman and J. E. Wells. 1,535,651; Apr. 28.
Pump, Gear. S. H. Hobson. 1,535,810; Apr. 28.
Pump head, Deep-well. A. Hollander. 1,535,414; Apr. 28.
Pump or motor, Fluid. J. W. Gurley. 1,535,464; Apr. 28.
Pump, Rotary. O. P. Westin. 1,535,275; Apr. 28.
Pump, Screw. A. Hollander. 1,535,415; Apr. 28.
Pumping wells, Apparatus for. J. D. Wade. 1,535,141; Apr. 28.
Push-button switch. H. G. Baxter. 1,535,559; Apr. 28.
Rabble furnace. A. N. Jette. 1,535,160; Apr. 28.
Rack: *See*—
Stock rack.
Radiator construction. F. A. Merrill. 1,535,371; Apr. 28.
Radiator cooler. A. L. Daniels. 1,535,904; Apr. 28.
Radiator shutter apparatus. C. Nielsen, jr. 1,536,029; Apr. 28.
Radio communication apparatus. R. E. Thompson. 1,535,189; Apr. 28.
Radiotelephony, High-power. A. A. Oswald. 1,535,130; Apr. 28.
Radio tuning device. A. C. Hayden. 1,535,602; Apr. 28.
Rafter-cut-marking tool. F. J. Deshler. 1,535,907; Apr. 28.
Rail construction. W. T. Parker. 1,535,626; Apr. 28.
Rail joint. H. A. Wren. 1,535,885; Apr. 28.
Rail joint fastener. O. Shelton. 1,535,869; Apr. 28.
Rail joint, Head-free-type. M. Thomson. 1,535,635; Apr. 28.
Rail tie. T. B. Modlin. 1,535,230; Apr. 28.
Railway-grade-crossing gate. J. Schiftner. 1,535,543; Apr. 28.
Railway signaling device. V. J. Stewart. 1,535,960; Apr. 28.
Railway switch. G. and B. White and C. E. Counts. 1,535,881; Apr. 28.
Railway switch frog. J. P. Stathas. 1,535,264; Apr. 28.
Railway tie. G. W. Slade. 1,535,262; Apr. 28.
Razor sharpener. A. A. Le Roux. 1,535,611; Apr. 28.
Receiver. J. M. S. King. 1,535,480; Apr. 28.
Rectal dilator and irrigator. A. L. Austin. 1,535,756; Apr. 28.
Rectifier. J. R. Barnhart. 1,535,088; Apr. 28.
Recuperator. R. Good. 1,535,722; Apr. 28.
Reflectors, Color lighting attachment for. P. M. Hotchkin. 1,536,004; Apr. 28.
Refrigerating apparatus. G. Bayer and C. Hochberg. 1,535,758; Apr. 28.
Register: *See*—
Engine-pressure register.
Registering device. E. G. Thomas. 1,535,749; Apr. 28.
Regulating apparatus, Control handle for. E. B. Nowosielski. Des. 67,156; Apr. 28.
Regulating system. L. W. Thompson. 1,535,877; Apr. 28.
Remedial appliance. R. Goodwin. 1,535,822; Apr. 28.
Reproducer. C. Reuter and O. Schilling. 1,535,496; Apr. 28.
Revolver attachment. R. A. Fredrickson. 1,535,450; Apr. 28.
Rheostat. R. M. Camp. 1,535,898; Apr. 28.
Rim, Demountable. C. B. Carver. 1,535,398; Apr. 28.
Ring: *See*—
Packing ring.
Rod: *See*—
Curtain rod.
Rod holder. R. A. Waterman. 1,535,703; Apr. 28.
Rod protector. J. D. Nixon. 1,535,336; Apr. 28.
Roof structure, Adjustable. J. F. Stuckert. 1,535,747; Apr. 28.
Roost, Poultry. B. Warnecke. 1,535,513; Apr. 28.

Rotary jar. A. B. McLean and J. M. Sprague. 1,535,935; Apr. 28.
Rubber articles, Making hollow. C. W. Steele and R. T. Griffiths. 1,535,354; Apr. 28.
Rubber heel for footwear. J. W. Turner. 1,535,967; Apr. 28.
Rubber vulcanization, Accelerator for. W. L. Tanner. 1,535,963; Apr. 28.
Rust-resistant iron. H. A. Schwartz. 1,535,549; Apr. 28.
Rust-restisting mild steel and producing the same. S. Peacock. 1,535,340; Apr. 28.
Sadiron. F. F. Forahee. 1,535,592; Apr. 28.
Safety inclosed switch. E. H. W. Ullrich. 1,535,636; Apr. 28.
Sand-blast-feeding machine. R. H. Moore. 1,535,939; Apr. 28.
Sand cutter or mixer. E. A. Rich, jr. 1,535,948; Apr. 28.
Sand molds, Apparatus for making. W. H. Nicholls. 1,535,535; Apr. 28.
Sander or surfacing machine. C. A. Mays. 1,535,489; Apr. 28.
Sap-containing vegetable matter such as green fodder for cattle, Preserving. G. Pfister. 1,535,874; Apr. 28.
Sap from trees, Apparatus for collecting. C. E. Barnett. 1,535,087; Apr. 28.
Sash fastener, Window-. T. H. Jackson. 1,535,226; Apr. 28.
Saw, Band. A. C. Getz. 1,535,995; Apr. 28.
Saw blade, Hack-. G. J. Blum. 1,535,096; Apr. 28.
Saw guide and square. J. J. Garrity and J. F. Bradley. 1,535,661; Apr. 28.
Saw, Hack. A. F. Macrini. 1,535,931; Apr. 28.
Saw set. E. V. Summerell. 1,535,962; Apr. 28.
Saws, Guard and guide for circular rabbeting. S. French. 1,535,596; Apr. 28.
Scaffold bench and anchor. F. B. Johnston. 1,535,779; Apr. 28.
Scaffold brackets, Fastener to clamp boards on. O. C. Snodgrass, A. B. Hawkins, and W. F. Staggers. 1,535,741; Apr. 28.
Scaffold, Portable. H. T. Baker. 1,535,978; Apr. 28.
Scale springs, Thermostatic support for. G. M. Ludlow. 1,535,426; Apr. 28.
Scale, Weighing. J. Hopkinson. 1,535,416; Apr. 28.
Scales, Illuminated indicator for. W. W. Radu. 1,535,877; Apr. 28.
Scenic effect. F. O. King. 1,535,782; Apr. 28.
Scooter. C. H. Lovell. 1,535,167; Apr. 28.
Scraper. P. C. Anderson. 1,535,288; Apr. 28.
Screen: *See*—
Glare screen. Window screen.
Projection screen.
Screw jack, Double-. A. L. Johnson. 1,535,727; Apr. 28.
Scuttle, Coal. J. W. Acosta and A. E. Baker. 1,535,755; Apr. 28.
Searchlight. G. E. Young. 1,536,045; Apr. 28.
Seat spring. B. R. Benjamin. 1,535,903; Apr. 28.
Separator: *See*—
Gas, oil, and sand separator. Steam and water separator.
Sewing-machine attachment. A. O. Thomas. 1,535,356; Apr. 28.
Sewing machine, Buttonhole-. J. W. Connors. 1,535,899; Apr. 28.
Sewing machine, Buttonhole-. A. Hennig. 1,536,002; Apr. 28.
Sewing machines, Looper-thread controller for. L. Onderdonk. 1,535,942; Apr. 28.
Shade and curtain fixture. A. Czarnynska. 1,535,107; Apr. 28.
Shade holder. C. P. Swick. 1,535,554; Apr. 28.
Shaft coupling. C. C. Collins. 1,535,293; Apr. 28.
Shaft coupling, Rotary. M. W. Morgan. 1,535,621; Apr. 28.
Shaft, Fabricated wood. H. I. Jordan. Re16,058; Apr. 28.
Sharpening blades, Machine for. F. G. Henry. 1,535,665; Apr. 28.
Sharpener, Scissors. A. L. Breitenstein. 1,535,895; Apr. 28.
Sharpener, Scissors. T. O. Hopkins and S. H. Easterday. 1,535,470; Apr. 28.
Sheet feeder. H. Ehlig. 1,535,215; Apr. 28.
Sheet feeder. H. Ehlig. 1,535,217; Apr. 28.
Sheet grippers. C. W. Harrold. 1,535,224; Apr. 28.
Shingle strips, Making. C. W. Mortimer. 1,536,027; Apr. 28.
Shock absorber. B. F. Barlow. 1,535,086; Apr. 28.
Shock absorber. W. P. Cole. 1,535,103; Apr. 28.
Shock absorber. C. Lampre. 1,535,921; Apr. 28.
Shoe. J. T. Dorff. 1,535,207; Apr. 28.
Shoe beater. W. H. Baynard and F. W. Eager. 1,535,894; Apr. 28.
Shoe-polishing machine. P. M. Rayser. 1,535,738; Apr. 28.
Shoe-trimming machine. E. L. Patten. 1,535,373; Apr. 28.
Shoe upper, Ornamented. W. F. Bostock. 1,535,646; Apr. 28.
Shoes, Making. W. J. Kelly. 1,535,609; Apr. 28.
Shot-firing device. J. B. de Hart. 1,535,148; Apr. 28.
Shoveling machine. H. I. Stage. 1,535,381; Apr. 28.
Sign, Luminous. B. Goodwin. 1,535,823; Apr. 28.
Sign, Revoluble. F. L. Overton. 1,535,467; Apr. 28.
Signal: *See*—
Automobile signal. Traffic signal.
Automobile traffic signal. Vehicle signal.
Mail-box signal.
Signal and pilot light, Combination rear. E. A. Smetzer. 1,535,268; Apr. 28.
Signal device. F. W. Hunt. 1,536,006; Apr. 28.
Signaling apparatus and circuits, Selective. J. F. Toomey. 1,535,269; Apr. 28.
Silos, Elevator for. W. O. Sievers. 1,535,490; Apr. 28.
Silverware, Metal border strip for articles of hollow. C. D. Barrett. Des. 67,115; Apr. 28.
Skate. W. G. Larsen. 1,535,522; Apr. 28.
Skate clamp. J. C. Eberle, jr. 1,535,900; Apr. 28.
Skin. P. L. Wiener. 1,535,587; Apr. 28.
Slag skimmer. F. B. McKune. 1,535,731; Apr. 28.
Slip jacket and making it. E. P. Rothacker. 1,535,348; Apr. 28.
Smoker's receptacle. J. A. Dolan. 1,535,906; Apr. 28.
Smoking pipe. J. H. McFadden. 1,535,934; Apr. 28.
Snowplow. F. L. Fulcer and R. J. Bitzer. 1,535,918; Apr. 28.
Soda-fountain refrigerating apparatus. H. C. Kellogg. 1,535,479; Apr. 28.
Soldering iron. J. Marinos. 1,535,933; Apr. 28.
Soldering iron. W. C. Roe. 1,535,498; Apr. 28.
Sound producer, Electrically-actuated. B. Scott. 1,535,550; Apr. 28.
Spike-holding device. E. H. Wilhelm. 1,535,704; Apr. 28.
Spindle: *See*—
Spinning and twisting spindle.
Spindle-stop mechanism. J. J. Thacher. 1,535,267; Apr. 28.
Spinning and twisting spindle. E. Atwood. 1,535,645; Apr. 28.
Spinning apparatus. E. J. Lippa. 1,535,840; Apr. 28.
Spiral stitches, Feeding device for producing. B. Tucker. 1,535,966; Apr. 28.
Spray mixture and making the same. C. F. Galligan. 1,535,525; Apr. 28.
Spring: *See*—
Seat spring. Vehicle spring.
Spring assembly. E. M. Forehand. 1,535,116; Apr. 28.
Spring wheel. D. E. Fults and O. L. Grigg. 1,535,821; Apr. 28.
Springs, Apparatus for forming and cooling leaf. A. P. Crell. 1,535,454; Apr. 28.
Sprinkler: *See*—
Water sprinkler.
Sprocket wheel, Flanged. L. E. Edmunds. 1,535,114; Apr. 28.
Stacking machine. J. E. Miller. 1,535,678; Apr. 28.
Stamp-affixing device. R. J. Gengler. 1,535,596; Apr. 28.
Stand: *See*—
Dispensing stand. Music stand.
Display stand.
Steam and water separator. A. L. Prout and A. R. Reynolds. 1,535,945; Apr. 28.
Step-by-step motor. P. van S. Kalff. 1,536,021; Apr. 28.
Stereotype mold. E. E. Beard. 1,535,091; Apr. 28.
Stock rack. T. P. Little. 1,535,425; Apr. 28.
Stocking and making same. J. Hadfield, jr. Re16,053; Apr. 28.
Stone-gathering machine. P. L. Larsen and J. O. Ellis. 1,535,521; Apr. 28.
Stove. B. R. Kahn. 1,535,476; Apr. 28.
Stove, Camp. C. S. Deffenbough. 1,535,652; Apr. 28.
Stoves, Attachment for. A. A. Venets. 1,535,637; Apr. 28.
Stoves, Guard for gas. P. Kavanagh. 1,536,016; Apr. 28.
Straightedge, Paper hanger's folding. C. W. Hardin. 1,535,917; Apr. 28.
Strainer, Oil. B. Asher. 1,535,801; Apr. 28.
Strainer, Sink. R. R. Boyles. 1,535,761; Apr. 28.
Strap for wearing apparel, Shoulder. A. A. Hodgkins. 1,535,666; Apr. 28.
Strata in bore holes, Locating water-bearing. F. W. Huber. 1,536,007; Apr. 28.
Strip sheets, Making. H. M. Naugle and A. J. Townsend. 1,536,028; Apr. 28.
Strip-winding mechanism and reel. M. F. Moran. 1,535,372; Apr. 28.
Stuffing box. C. C. Hansen and J. Twardowsky. 1,535,998; Apr. 28.
Stump puller. A. Adams. 1,535,557; Apr. 28.
Sucker-rod elevator. W. O'Bannon. 1,535,525; Apr. 28.
Sulphur from its ores, Extracting. E. H. Hedges. 1,535,468; Apr. 28.
Sulphurized chemical product. W. O. Snelling. 1,535,740; Apr. 28.
Supporting device, Adjustable. O. P. Wolstead. 1,535,510; Apr. 28.
Swifts, Attachment for. M. Greenway. 1,535,906; Apr. 28.
Swimming apparatus. G. G. B. Kjelgaard. 1,535,481; Apr. 28.
Swimming glove. J. Bocick. 1,535,896; Apr. 28.
Swing hanger, Pivoted. W. W. Degler. 1,535,718; Apr. 28.

Switch: *See*—
Electric switch. Push-button switch.
Electric time switch. Railway switch.
Electrical switch. Safety inclosed switch.
Motor switch. Talking-machine light switch.
Switch. L. F. Blume. 1,535,997; Apr. 28.
Switching apparatus. J. H. Wyatt. 1,535,390; Apr. 28.
Swivel links, Making. E. C. Sisey. 1,535,950; Apr. 28.
Synchronization, Method of and apparatus for. E. Belin. 1,535,979; Apr. 28.
Table: *See*—
Drain table. Game table.
Folding table.
Table cover, Card-. D. J. Blackmore. 1,535,895; Apr. 28.
Table talkers and making the same, Support for. D. H. Moss. 1,535,784; Apr. 28.
Tables, Slide for extension. C. Lundgren and H. Hedin. 1,535,427; Apr. 28.
Tagging machine. F. R. Shaw. 1,535,601; Apr. 28.
Talking-machine light switch. O. Larsen. 1,535,922; Apr. 28.
Tally. M. Taylor. 1,535,383; Apr. 28.
Tank: *See*—
Fuel-reserve tank.
Tank bails, Producing. A. H. Canfield. 1,535,715; Apr. 28.
Telegraph system. S. W. Perkins. 1,535,627; Apr. 28.
Telegraphy. H. S. Percival. 1,535,244; Apr. 28.
Telephone headset. R. B. Baker. 1,535,284; Apr. 28.
Telephone index. J. McComas. 1,535,843; Apr. 28.
Telephone instruments, Guide chart for automatic. M. L. Ong. 1,535,490; Apr. 28.
Telephone sets, Headband for. V. Durbin. 1,535,290; Apr. 28.
Telephonic electrode and constructing same. F. L. Whitaker. 1,535,276; Apr. 28.
Tennis rackets, Tightening the strings of. J. McDougall. 1,535,125; Apr. 28.
Theft-indicating device. J. J. Darrell. 1,535,582; Apr. 28.
Thermic telltale. D. Macdonald. 1,535,536; Apr. 28.
Thermometer tubing, Clinical-. M. Noda. 1,536,849; Apr. 28.
Thermostatically-controlled iron. W. J. Turenne. 1,535,751; Apr. 28.
Thread-cutting die. O. S. Lee. 1,535,726; Apr. 28.
Thread gauge. E. Buckingham. 1,535,095; Apr. 28.
Threading a blank. A. Stambach. 1,535,553; Apr. 28.
Thrust mechanism. T. S. Miller. 1,535,238; Apr. 28.
Ticket holder. B. Halansky. 1,535,997; Apr. 28.
Tie: *See*—
Bag tie. Railway tie.
Ball tie.
Tile, brick, and the like, Vitreous enameled. J. H. E. Francis. 1,535,801; Apr. 28.
Tile, Building. E. E. Thornton. 1,535,358; Apr. 28.
Time release, Mechanical. E. C. Leake. 1,535,923; Apr. 28.
Tin plates or sheets, Apparatus for use in the manufacture of. H. S. Thomas and W. R. Davies. 1,535,876; Apr. 28.
Tire beads, Making. M. A. Marquette. 1,535,420; Apr. 28.
Tire, Cushion. J. W. Kuhn. 1,536,023; Apr. 28.
Tire factories, Conveyer for. M. H. Pade. 1,535,238; Apr. 28.
Tire fillers, Composition of matter for. W. L. von Edelkrantz. 1,535,361; Apr. 28.
Tire-rack brace. J. Q. Roberts. 1,535,857; Apr. 28.
Tire spreader. S. B. Wilbur. 1,535,192; Apr. 28.
Tire stock and making same, Cord-. J. S. Brennan. 1,535,647; Apr. 28.
Tire tread. S. S. Miller. Des. 67,154; Apr. 28.
Tire tread, Pneumatic-. F. R. Talbott. Des. 67,166; Apr. 28.
Toaster. O. A. Colby. 1,535,580; Apr. 28.
Toaster base. F. Thornton, jr. 1,535,556; Apr. 28.
Tonsillotome. A. J. Shekter. 1,535,868; Apr. 28.
Top, Mechanical spinning. J. A. Southwell. 1,535,502; Apr. 28.
Torpedo. T. E. Van Metre. 1,535,190; Apr. 28.
Toy box. E. Cardini. 1,535,519; Apr. 28.
Toy-Coasting. H. E. Frevert. 1,535,461; Apr. 28.
Toy, Hoople. L. Aptowicz. 1,535,144; Apr. 28.
Toy, Motion. T. A. Billmeyer. 1,535,564; Apr. 28.
Toy train. T. L. Wood. 1,536,061; Apr. 28.
Tracing and printing device. S. L. Parmenter. 1,535,242; Apr. 28.
Tractor. J. N. Escandon. 1,535,523; Apr. 28.
Tractor. F. A. Toney. 1,535,384; Apr. 28.
Tractor cultivator. A. G. and A. Ronning. 1,535,439; Apr. 28.
Tractors and motor vehicles, Attachment for. A. W. Knutson. 1,536,483; Apr. 28.
Tractors, Steering attachment for. R. T. Strange, jr. 1,535,266; Apr. 28.
Traffic signal. D. E. Cota. 1,535,105; Apr. 28.
Train-control mechanism. W. B. Murray. 1,535,241; Apr. 28.
Transformer. R. V. Bingay. 1,535,094; Apr. 28.
Transformer and electron-tube socket, Combined. J. W. Simmons. 1,535,261; Apr. 28.
Trap: *See*—
Mercury-vapor trap.

Trap. C. Wilcox. 1,535,389; Apr. 28.
Traveling kit. J. M. Thomas. 1,535,351; Apr. 28.
Tree-sawing apparatus. D. Welch. 1,535,370; Apr. 28.
Tree surgery. C. M. Blume. 1,535,806; Apr. 28.
Truck. L. J. Becker. 1,535,712; Apr. 28.
Truck, Car. E. Latabaw. 1,536,230-36; Apr. 28.
Truck, Loading and unloading. W. T. Hellaway. 1,535,775; Apr. 28.
Truck, Plant-treating. G. H. Hayes. 1,536,001; Apr. 28.
Truck, Railway-car. F. E. Brust. 1,535,404; Apr. 28.
Truck, Six-wheel. W. C. Hedgcock. 1,535,413; Apr. 28.
Trunk, Wardrobe. E. W. Hawley. 1,535,119; Apr. 28.
Trunks, Garment-hanger support for wardrobe. W. H. Harrison. 1,535,223; Apr. 28.
Trunks, Garment-hanger-supporting mechanism for wardrobe. W. H. Harrison. 1,535,222; Apr. 28.
Tube: *See*—
Collapsible tube. Heat-transmission tube.
Tube-end clamps, Assembling device for. T. P. Little. 1,535,267; Apr. 28.
Tubing electrolytically, Method and apparatus for forming. E. Crowell. 1,535,400; Apr. 28.
Tubular box. F. J. Dolan. 1,535,522; Apr. 28.
Turbines, Blading of axial. F. Lloyd. 1,535,612; Apr. 28.
Turning irregular objects, Machine for. H. F. Loewer. 1,535,678; Apr. 28.
Turntable, Automobile. E. B. Iseman. 1,535,607; Apr. 28.
Twister. J. T. Leech. 1,535,523; Apr. 28.
Typewriting machine. M. Garbell. 1,535,152; Apr. 28.
Typewriting machine. E. G. Latta. 1,535,222; Apr. 28.
Typewriting mechanism, Remote-control. I. Nachumsohn. 1,535,176; Apr. 28.
Umbrella. H. Garfinkel. 1,535,998; Apr. 28.
Vacuum jars or similar articles, Bottle holder for. G. E. Savage and L. H. Wilkinson. 1,535,864; Apr. 28.
Valve. H. J. Ernst. 1,535,405; Apr. 28.
Valve. A. W. Morse. 1,535,353; Apr. 28.
Valve-actuating mechanism. J. J. Morsch. 1,535,786; Apr. 28.
Valve, Hydrant. J. W. Flower. 1,535,912; Apr. 28.
Valve, Pneumatic control. C. H. Hanson. 1,535,533; Apr. 28.
Valve, Pump. J. Astrom. 1,535,644; Apr. 28.
Valve, Pump. M. Belcher. 1,535,898; Apr. 28.
Valve retainer, Needle-. G. A. Eynon. 1,535,406; Apr. 28.
Valve, Spray. C. W. Clements. 1,535,902; Apr. 28.
Valve-spring compressor. G. C. Wilson. 1,535,976; Apr. 28.
Valve-stem silencer. G. B. Dobson. 1,535,583; Apr. 28.
Valve-testing device. S. J. Burns. 1,535,099; Apr. 28.
Valve, Thermostatic. F. C. Leonard. 1,535,485; Apr. 28.
Vanity case. W. M. Langsdorf. Des. 67,149; Apr. 28.
Vanity case or similar article. W. G. Kendall. Des. 67,148; Apr. 28.
Variometer. R. W. Canfield and E. G. Danielson. 1,535,264; Apr. 28.
Vehicle. E. J. Schramke. 1,535,950; Apr. 28.
Vehicle bodies, Top construction for. H. C. Maise. 1,535,236; Apr. 28.
Vehicle-body, Convertible. E. J. Punchel. 1,535,494; Apr. 28.
Vehicle bumper. F. A. Bond. 1,535,145; Apr. 28.
Vehicle bumper. W. R. McGowen. 1,535,169; Apr. 28.
Vehicle bumper. W. R. McGowen. 1,535,172; Apr. 28.
Vehicle curtains, Light for. W. E. Bishop. 1,536,037; Apr. 28.
Vehicle doorcheck. F. K. Eastman. 1,535,113; Apr. 28.
Vehicle lock, Motor-. L. C. Vanderlip. 1,535,371; Apr. 28.
Vehicle signal, Motor-. C. F. Klingel. 1,535,164; Apr. 28.
Vehicle spring. B. E. Stoddard. 1,535,744; Apr. 28.
Vehicle traffic-signal housing. E. E. Bechtold. Des. 67,117; Apr. 28.
Vehicle wheel. P. Lambertus. 1,535,121; Apr. 28.
Vehicle wheel. C. Roche. 1,535,497; Apr. 28.
Vehicle wheel mounting. C. A. Neracher. 1,535,435; Apr. 28.
Vehicles, Adjustable bumper for. W. R. McGowen. 1,535,171; Apr. 28.
Vehicles, Controlling mechanism for motor. W. T. Sears. 1,535,866-7; Apr. 28.
Vehicles, Extended-load danger signal for. F. M. McLemore. 1,535,844; Apr. 28.
Vehicles, Side illuminating device for. R. T. Biddle. 1,535,894; Apr. 28.
Vehicles, Splash-preventing attachment for motor. C. Anderson. 1,535,444; Apr. 28.
Vehicles, Stake retainer for. N. Milner. 1,535,128; Apr. 28.
Vessel, Containing. H. S. Hele-Shaw and E. Tribe. 1,535,308; Apr. 28.
Vibratory system. H. C. Harrison. 1,535,527; Apr. 28.
Vibratory system. J. P. Maxfield and H. C. Harrison. 1,535,538; Apr. 28.
Volt-ampere meter. R. D. Evans and R. T. Pierce. 1,535,590; Apr. 28.
Wall construction. P. D. Warner. 1,535,514; Apr. 28.
Wall construction, Mold for. F. C. Croll. 1,535,296; Apr. 28.

Wall, Sea. C. H. Ruggles. 1,535,792; Apr. 28.
Washing machine. M. Brandt. 1,535,800; Apr. 28.
Watchcase appendage. A. F. Conant. Des. 67,121; Apr. 28.
Watch holder. H. Bamberger. 1,535,685; Apr. 28.
Water-charging apparatus. B. H. Savage. 1,535,793; Apr. 28.
Water heater. W. R. Bellman. 1,535,288; Apr. 28.
Water heater. F. O. Race. 1,535,376; Apr. 28.
Water-heater controller, Automatic. A. Wild. 1,535,103; Apr. 28.
Water, grain, or the like, Apparatus for lifting. F. H. Colpitts. 1,535,147; Apr. 28.
Waterproofing of fabric articles. A. G. Harrington. 1,535,990; Apr. 28.
Water sprinkler, Rotatable. W. C. Todd and J. W. Pomeroy. 1,535,506; Apr. 28.
Water-supply system. G. A. Hatton. 1,535,154; Apr. 28.
Waving machines, Electric heater for permanent. G. Lantieri. 1,535,123; Apr. 28.
Weft-detecting mechanism. W. H. Wakefield. 1,535,362; Apr. 28.
Welding, Arc. O. H. Buchholz. 1,535,586; Apr. 28.
Welding machine, Automatic. W. H. Himes. 1,535,605; Apr. 28.
Welding-machine guide. T. H. Kane. 1,535,477; Jan. 28.
Well drill, Rotary. N. S. Burton. 1,535,672; Apr. 28.
Well heater, Oil. G. S. Hollister. 1,535,770; Apr. 28.
Wheel: *See*—
Gravity wheel. Sprocket wheel.
Spring wheel. Vehicle wheel.
Wheel gauge. V. Campas. 1,535,574; Apr. 28.
Wheel-removing device. A. C. Brejska. 1,535,762; Apr. 28.
Wheel rim. C. S. Ash. 1,535,196; Apr. 28.
Wigs, Manufacture of. G. Hupka. 1,535,580; Apr. 28.
Wind instruments, Adjustable reed in. W. Majeski. 1,535,537; Apr. 28.
Windmill. C. Andreini. 1,535,517; Apr. 28.
Windmill head. C. J. L. Dyer. 1,535,535; Apr. 28.
Windshield. A. T. Potter. 1,535,250; Apr. 28.
Winding machines, Builder mechanism for. C. A. Payne 1,535,948; Apr. 28.
Window-cleaning device. O. R. Gerdin. 1,535,504; Apr. 28.
Window closer. E. H. Hilson. 1,535,406; Apr. 28.
Window-control means. A. R. Clas. 1,535,989; Apr. 28.
Window-control mechanism. A. R. Clas. 1,535,988-8; Apr. 28.
Window-sash lock. E. Hines. 1,535,156; Apr. 28.
Window screen. G. L. Houstoun. 1,536,005; Apr. 28.
Window-screen lock, Sectional. H. R. Ellis. 1,535,518; Apr. 28.
Window-shade roll and holder therefor. P. Ferrara. 1,535,591; Apr. 28.
Window structure. J. C. Wegstein. 1,535,278; Apr. 28.
Window structure. J. Worcelle. 1,535,977; Apr. 28.
Wrench: *See*—
Friction wrench. Pipe wrench.
Wrench. J. Zilliox. 1,535,281; Apr. 28.
Yarn winding and spinning machines, Builder mechanism for. H. A. Leonard. 1,535,729; Apr. 28.
Yarn-winding machine. J. J. Cannon. 1,535,573; Apr. 28.
X-ray filter or screen. S. Tousey. 1,535,350; Apr. 28.
X-ray tubes, Protector for. R. L. Edwards. 1,535,366; Apr. 28.
Zinc vapors, Condensing. O. Ravner. 1,535,252; Apr. 28.
Zirconium-containing ores and other products containing dioxide of zirconium, Reducing. O. Ruff. 1,535,687; Apr. 28.

CLASSIFICATION OF PATENTS

APRIL 28, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 1: 1,535,913
47: 1,535,704
2— 36: 1,535,650
42: 1,535,795
140: 1,535,668
175: 1,535,599
4— 1: 1,535,517
57: 1,535,592
153: 1,535,130
6— 119: 1,535,606
264: 1,535,116
6— 1: 1,535,920
7— 17: 1,535,524
8— 6: 1,535,153
18: 1,535,152
19: 1,535,253
9— 21: 1,535,461
10— 130: 1,535,726
136: 1,535,773
139: 1,535,104
11— 1: 1,535,415
12— 51: 1,535,373
142: 1,535,609
15— 33: 1,535,788
104.16: 1,535,115
126: 1,535,304
128: 1,535,955
147: 1,535,540
150: 1,535,767
174: 1,535,161
193: 1,535,629
220: 1,535,040
16— 6: 1,535,921
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36: 1,535,446
138: 1,535,663
179: 1,535,783
18— 1: 1,535,440
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183: 1,535,104
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98: 1,535,230
97: 1,535,510
126: 1,535,236
145: 1,535,087
299— 7: 1,535,964
99: 1,535,308
99: 1,535,254
139: 1,535,502
301— 94: 1,535,306
95: 1,535,131
302— 37: 1,535,263
53: 1,535,991
305— 6: 1,535,456
304— 15: 1,535,770
38: 1,535,978
53: 1,535,741
306— 4: 1,535,396
125: 1,535,500
169: 1,535,643

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OF THE

UNITED STATES PATENT OFFICE

VOLUME 334

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CONTENTS.

	Page.
Decisions of the Commissioner of Patents, May 5, 12, 19, 26	3, 283, 529, 789
Trade-Marks Published and Registered, May 5, 12, 19, 26	9, 291, 533, 793
Labels and Prints Registered, May 5, 12, 19, 26	333, 581
Reissues, May 5, 12, 19, 26	61, 335, 582, 835
Designs, May 5, 12, 19, 26	63, 336, 585, 837
Patents, May 5, 12, 19, 26	78, 351, 590, 845

ANNOUNCEMENTS.

		Page.
Adverse Decisions in Interference	Armstrong, 1,376,810	532
	Currier and Eaton, 1,503,096	281
	Duncan and Hubbard, 1,441,491	281
	Gehrig, 1,448,207	532
	Graham, 1,405,204	1
	Hutchison, 1,477,494	532
	Labovici, 1,422,110	532
	Loughbridge, 1,299,595	1
	Perry, 1,471,916	532
Applications	Condition of pending	2, 282, 528, 786
Attorneys	*Order No. 8904*, disbarring John J. Donnelly	787
	Order No. 8905, disbarring John H. Clark	787
Disclaimers	Doppler, John H.	527
	Gallup, Frederick Laren	1
Drawings	Correction of—Rule 72	1
Interference Notices	American Radio Sales and Service Corporation, The	8
	Brighton Chemical Co., The	8
	Clague, Stanley	8
	Dawson Metals Inc.	527, 787
	Miller, Mark, and Charles D. Miller	8
	New-Tone Company, The	787
	Silverstein, Isaac J.	527, 787
	Westerly Shirt Co.	281, 527, 787
	Zweekly, Arnold (two cases)	8, 281
Patent Suits	List of	6, 290, 532, 792
Patents	List of adjudicated	1, 281, 527, 791
Trade-Marks	Canceled	7, 791
	Notice of cancellation	1

TABLE OF CASES REPORTED.

	Page.
[d] American Cone & Wafer Co. et al. v. Denare	8
Putnam. Ex parte	789
[*] Stevens v. Ciulee	529
[d] Supreme Mfg. Corporation v. Security Mfg. Co.	529
[*] Tupelo Cotton Mills v. American Bleached Goods Co., Inc.	791
Ulmann. Ex parte	8
[**] Warner & Company, William R., v. Eli Lilly & Company	287
[*] Waters v. Holsing	283

[Decisions of the United States Circuit Court of Appeals are indicated by the letter (d); of the Court of Appeals of the District of Columbia by one star (*); and of the Supreme Court of the United States by two stars (**).]

ERRATA.

1,537,028, page 275, heading, line 2, after the residence of patentee, insert *assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania.*

1,537,956, page 304, in heading, assignment, name of assignee, for "George S. Meyers" read *George S. Myers.*

Vol. 334.

Patents Nos. 1,536,046 to 1,537,053.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

Vol. 334—No. 1. TUESDAY, MAY 5, 1925. Price—$5 per year.

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CONTENTS.

	Page.
Issue of May 5, 1925	1
Notice of Cancellation	1
Disclaimer	1
Adjudicated Patents	1
Adverse Decisions in Interference	1
Rule 72	1
Applications Under Examination	2
Commissioner's Decisions—	
Ex parte Ulmann	3
Decisions of the U. S. Courts—	
American Cone & Wafer Co. et al. v. Denaro	3
Patent Suits	6
Trade-Marks Canceled	7
Interference Notices	8
Trade-Marks Published (322 Applications)	9
Trade-Mark Registrations Granted	32
Trade-Mark Registrations Renewed	59
Reissues	61
Designs	62
Patents Granted	78

Issue of May 5, 1925.

Trade-Marks	164	No. 198,064 to No.	198,227,	inclusive.
T. M. Renewals	65			
Reissues	8	No. 16,059 to No.	16,066,	inclusive.
Designs	73	No. 67,181 to No.	67,253,	inclusive.
Patents	1008	No. 1,536,046 to No.	1,537,053,	inclusive.
Total	1318			

Notice of Cancellation.

U. S. Patent Office, *Washington, Apr. 6, 1925.*

F. De Martino, his asrigns or legal representatives, take notice:

A cancellation proceeding having been instituted by this Office upon the application of Frank J. Conjurske, 12 Cedar Street, Sturgeon Bay, Wis., to effect the cancellation of the trade-mark registration of F. De Martino, of 1027 Bridge Street, Altoona, Pa., No. 106,649, dated October 26, 1915, and the notice of such proceeding sent by registered mail to the said F. De Martino at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said F. De Martino, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the cancellation will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimer.

1,131,361.—*Frederick Laren Gallop*, Media, Pa. Process of Making Granular Nitrate of Ammonia. Patent dated March 9, 1915. Disclaimer filed March 26, 1925, by the assignee, *E. I. du Pont de Nemours & Company.*

Hereby enters its disclaimer to such parts of the thing patented as it does not choose to claim or to hold by virtue of the above-mentioned patent or assignments as follows:

To the process specified in claim 1, except as applied to the concentration of ammonium nitrate liquors to crystallising temperatures at which an appreciable amount of water is still contained in the liquor when cooling is begun.

To the process specified in claim 2, except when the step of crystallization is so carried out as to cool the ammonium nitrate liquor relatively slowly and to a degree of concentration at which an appreciable amount of water is still contained in the liquor when cooling is begun.

To the process specified in claim 4, except when the ammonium-nitrate liquor is cooled relatively slowly.

ADJUDICATED PATENTS.

(C. C. A. Pa.) The Rousso patent, No. 1,157,046, for towel cabinet, claims 1, 2, 3, and 5 *Held* invalid. *Rousso* v. *Barber*, 3 F. (2d) 740.

(C. C. A. Ill.) The Alexander patent, No. 1,384,035, for cooking utensil, claims 1, 2, and 3 *Held* invalid. *Alexander* v. *Belson*, 3 F. (2d) 801.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,299,595, M. H. Loughridge, Cab signal and train-control system, decided March 25, 1925, claim 78.

Pat. 1,405,204, J. B. Graham, Machine for making hollow glassware, decided April 4, 1925, claims 4 and 5.

Rule 72.

Rule 72. After the completion of the application the Office will not return the specification for any purpose whatever. If applicants have not preserved copies of the papers which they wish to amend, the Office will furnish them on the usual terms.

The drawing may be withdrawn only for such corrections as cannot be made by the Office; but a drawing cannot be withdrawn unless a photographic copy has been filed and accepted by the Examiner as a part of the application. Permissible changes in the construction shown in any drawing may be made only by the Office and after an approved photographic copy has been filed. Sketches filed to show proposed changes in construction must be in permanent ink. (See Rule 30.) Substitute drawings will not be admitted in any case unless required by the Office.

88 13

Condition of Applications Under Examination at Close of Business April 24, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 46,250; Trade-Mark Division, 2,230. Oldest new case, Oct. 25, 1924; oldest amended, Oct. 26, 1924. The dates given are 1924 except where † indicates 1925.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action.		No. of applications awaiting action.
		New.	Amended.	
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	†Jan. 9	†Jan. 12	679
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 2	†Jan. 2	486
231	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Mar. 27	†Jan. 5	170
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Dec. 26	Dec. 27	675
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Nov. 20	Nov. 24	967
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 16	Nov. 26	923
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Dec. 24	Dec. 24	1,020
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Dec. 26	Dec. 24	1,498
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 19	†Jan. 21	602
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Dec. 22	†Jan. 9	996
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	†Feb. 7	†Feb. 5	719
380	12. PIERCE, P. P., Machine Elements	Dec. 24	Dec. 26	769
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 15	Dec. 18	1,183
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	†Jan. 20	†Jan. 27	227
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Dec. 25	Dec. 30	1,048
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Nov. 3	Nov. 17	1,066
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Dec. 29	†Feb. 7	404
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 11	Nov. 10	880
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 13	†Feb. 5	841
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Dec. 11	Dec. 8	880
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Dec. 3	†Mar. 2	453
106	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	†Jan. 19	†Jan. 20	449
217	23. GROESSBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Dec. 1	Nov. 25	430
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 8	†Jan. 13	570
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Feb. 3	†Feb. 14	666
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 1	Oct. 29	773
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Dec. 29	†Jan. 14	751
225	28. BENSON, A. R., Internal-Combustion Engines	†Feb. 10	†Feb. 10	749
160*	29. MORRIS, B. N., Abrading; Boring and Drilling Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 3	Nov. 13	1,055
243	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	†Jan. 12	†Jan. 23	957
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Jan. 31	†Jan. 31	916
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Dec. 29	Dec. 24	716
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Feb. 12	†Feb. 14	705
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Jan. 2	Dec. 31	600
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 10	†Jan. 30	621
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Dec. 22	Nov. 12	1,306
324*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 10	Nov. 17	1,236
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Oct. 25	Oct. 27	948
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Dec. 31	†Jan. 20	462
209	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 12	Nov. 28	1,760
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Dec. 4	†Jan. 17	866
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 7	Nov. 14	1,173
126*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Dec. 1	Dec. 1	896
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 5	Dec. 8	803
370	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Nov. 21	Dec. 8	743
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Nov. 4	Nov. 1	742
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 11	Dec. 11	1,306
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	Oct. 25	Oct. 25	1,714
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Dec. 20	†Jan. 2	737
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Nov. 6	Nov. 10	1,407
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Nov. 21	Nov. 17	2,164
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Jan. 26	†Feb. 12	626
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Nov. 13	Nov. 8	1,089
102	Designs: C. O. MARKHAM (Acting)	†Mar. 27	†Mar. 27	342
163	Trade-Mares, Labels and Prints: T. L. MEAD, Jr. {Trade-Marks	†Mar. 24	†Apr. 10	1,920
	{Labels and Prints	†Mar. 9	†Mar. 17	401

*Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE ULMANN.

Decided July 18, 1924.

1. FOREIGN PATENT—PUBLICATION OF.

The so-called publications or notices in the Swedish newspapers concerning Swedish patents and the laying open of such applications for public inspection do not constitute either publications of or patents for the inventions involved.

2. SAME—SAME.

The real date of publication (offenliggjort) is at the end of the specification of a Swedish patent.

3. SAME—AS A BAR UNDER SECTION 4887, REVISED STATUTES.

If a foreign patent is not a bar as a publication to an application filed in this country by the same inventor more than one year after the filing of the foreign application and disclosing the same invention, it is not a bar as a patent under section 4887, Revised Statutes, unless the claims of the application cover the same invention as that covered by the foreign patent.

ON PETITION.

Messrs. Langner, Parry, Card & Langner for applicant.

ROBERTSON, *Commissioner:*

Petitioner requests the Commissioner to instruct the Examiner to withdraw Swedish Patent No. 49,991 as a reference and allow the application.

The application is not rejected on the reference as a patent, but as a publication, and the Examiner holds that it has been a publication practically since the date of the application on which it was granted. In this contention he is believed to be in error.

[1, 2] The so-called publications made in the British Official Journal and the German Imperial Gazette concerning applications for patents, and the laying open of such applications for public inspection, do not constitute either publications of or patents for the inventions involved. *Parkin and Wright v. Jenness*, 63 O. G. 759; 1893 C. D., 64. The same is true of the notices in the newspapers concerning Swedish applications and the laying open of such applications for public inspection. The real date of publication, "offenliggjort," is at the end of the specification of a Swedish patent. In the present case the applicant states that this date is September 7, 1921, and it is not disputed by the Examiner. This date is long subsequent to the applicant's original filing date in this country.

[3] It is not stated whether the present application claims the invention covered by the claims of the Swedish patent or not. The oath in this application, which is a division of an older application which acknowledges the Swedish application, does not mention the Swedish patent or the application on which it is based. If the present application covers the same invention as the Swedish patent, the oath should acknowledge such Swedish application and the corresponding patent, but applicant would not be entitled to the benefit of the Nolan Act even after filing an amended oath because Russia has not extended to citizens of the United States reciprocal privileges within the meaning of that act. If this application does not claim the same invention as that covered by the Swedish patent, the latter is not a bar to the grant of a patent. *Western Electric Co.* v. *Telephone Co.*, 106 Fed. 215; *Accumulator Co.* v. *Electric Co.*, 64 O. G. 559; 1893 C. D. 437; *Westinghouse Electric & Mfg. Co.* v. *Stanley Instrument Co.*, 138 Fed. 823; *United Shoe Machinery Co.* v. *Duplessis Machinery Co.*, 148 Fed. 31.

The petition is granted to the extent indicated and the case is remanded to the Examiner for further action.

U. S. Circuit Court of Appeals—First Circuit.

AMERICAN CONE & WAFER CO. ET AL. *v.* DENARO.

Decided April 17, 1924.

[297 Fed. Rep. 913.]

1. CLAIMS—AMENDMENT OF—FEATURE HAVING IMPORTANT INHERENT FUNCTION NOT PREVIOUSLY MENTIONED.

Claims inserted by amendment about two years after the filing of the original application, limited to cover a feature by means of which an important function is performed, which is obvious and inherent within the mechanism claimed in the original application, were correctly allowed, although the function had not been previously mentioned.

2. ANTICIPATION—NEW AND IMPORTANT FUNCTION—NON-ANALOGOUS ART.

A patent for molding and baking ice-cream cones, which covers a conical core that serves the additional function of stripping the baked cone from either section of a divided outer mold to which it may stick, is not anticipated by a patent for a machine in which glass insulators are molded where if the glass in cooling should adhere to the side of the mold it could be broken off only by the use of a cold chisel.

3. INVENTION—NEW AND BENEFICIAL RESULT.

Where a patentee made use of well-known elements, yet by a new combination and sequence of operations he produced a new and beneficial result never obtained before and largely cheapened the cost of production of ice-cream cones, there is evidence of invention.

APPEAL from the District Court of the United States for the District of Massachusetts; George W. Anderson, judge.

Suit in equity by the American Cone & Wafer Company and others against James Denaro. From a decree (283 Fed. 1011) dismissing the bill, plaintiffs appeal. Reversed and remanded.

Certiorari denied by U. S. Supreme Court October 20, 1924.

Mr. Albert E. Dieterich and *Mr. Frederick A. Tennant* (*Mr. Nathan Heard* on the brief) for the appellants.

Mr. Jesse A. Holton for the appellee.

Before BINGHAM and JOHNSON, Circuit Judges, and MORRIS, District Judge.

JOHNSON, *Cir. J.*:

This is a suit for infringement of Letters Patent No. 1,071,027, issued August 26, 1913, to Frederick A. Bruckman for an automatic pastry-making machine, especially adapted to the manufacture of ice-cream cones without the intervention of any hand manipulation.

Previous to Bruckman, ice-cream cones had been made by baking them in mold cavities, from which it was necessary to remove them by hand. This work was not only hot and difficult, but was carried out under conditions which were more or less unsanitary, and, when sugar was used to sweeten them, the adherence to the mold surfaces was so great that their removal was accomplished with difficulty. This has been overcome in the Bruckman patent by a very simple, but none the less ingenius device. Bruckman has made use of well-known instrumentalities in the form of a rotatable wheel on which molds, made in two sections, are mounted, and to which the batter is transferred automatically, the molds are locked, and heat is applied to them. After the cones have been baked a predetermined time, the core, which has been locked into the molds, is first slightly raised in the baked cone to extract it from the cone; then, while the core is projected into the cone, the molds are unlocked, its sides are separated, and the core serves as a finger to strip the cone from either side of the molds to which it is likely to adhere, as these sides are corrugated to cause the molded product to cling to them and permit the core to be raised.

It is this slight raising of the core within the cone, and its use while projected into the cone to strip the cone from either side of the mold, that Bruckman claims to be the most important contribution which he made to the art of baking ice-cream cones.

Of the 70 claims of the patent, 15 are alleged to be infringed by the defendant. Two of these claims, 7 and 69, contain all the elements employed by Bruckman, except that of trimming the cones, and are as follows:

7. In a machine of the class described, an automatically actuated step by step rotatable wheel, molding devices carried by said wheel, a stationarily held tank for the substance to be molded, means for transferring the moldable substance from said tank to said molding devices as said molding devices pass said tank to load said molding devices, means for discharging the molded product from said molding devices at a predetermined place, and means for applying heat to said molding devices during their movement between the position at which they are loaded and the position at which they are unloaded.

69. In a machine of the character stated, a rotatable structure including a set of molding devices, said set of molding devices comprising a sectional mold, and a core therefor, an arm pivoted on an axis in a plane at right angles to that containing the axis of rotation of the rotatable structure, means securing said core to said arm, means for opening and closing said sectional mold, means for moving said arm on its pivot to remove and restore the core from and to the sectional mold, means for supplying batter to said molding devices when said core is out of said mold, means for turning said rotatable structure, means for baking the batter in the mold, and means for discharging the contents of said mold.

The other claims relate to subcombinations, which set forth in wearisome and unnecessary repetition the instrumentalities employed in the patent in suit.

The extraction of the baked cone from the molds, which is claimed to be the principal contribution of Bruckman, is described in claims 66 and 67. Claim 67 is as follows:

67. In a machine of the class described, a rotatable wheel, molding devices carried by said wheel, said molding devices each including a sectional mold and a core therefor, means for supporting said mold sections, means for opening and closing said mold sections at times, means for supporting said core, and means for lifting said core in said mold sections before said mold sections are opened, to thereby strip the molded product from said core, and means for holding said core, after it has been lifted, to project into the molded product until said mold sections have been opened to discharge the molded product.

Claim 66 differs from claim 67 only in that it is stated that the core is "slightly" lifted while it remains in the mold sections before said mold sections are opened.

Unless the extraction method, which is strongly contended is the central and important principle of Bruckman's invention, can be found in these claims, the finding and ruling of the district court that the patent in suit is not a pioneer in its field, and therefore entitled to only a narrow and technical construction, must be affirmed; but if it can be found in them, in the light cast by the drawings and specifications, Bruckman made a valuable contribution to the art, and produced a result never before accomplished, and not only these claims, but the other claims in the suit, should be given a liberal construction.

Claims 66 and 67 were inserted by amendment about two years after the filing of the original application, and when they were submitted the attorney for the applicant, in a letter to the Examiner, stated:

Regarding claim 66, it will be noticed that, in applicant's case, the core is first slightly lifted, while projecting into the mold to strip the molded product from the core, after which, the molds open while the core still projects into the molded product so that the core acts as a finger to strip the molded product from the female molds in turn. Now claim 66 has been amended to clearly set forth that the lifting of the core takes place while it remains in the mold and the lifting is but slight.

Claim 67 is not met by the references, for the reason that it includes means for holding the core (after the core has been lifted) to project into the molded product; that is, for the purpose of acting as a finger to strip the molded product from the female molds.

These amended claims were filed under the supplemental oath of the applicant, and even if they added new matter were correctly allowed. We think, however, that the principle of operation described in them was contained in the original application, construed in the light of the specifications and drawings.

Claims 34, 35, 36, and 37 of the original application all describe the lifting of the core in the mold "to disengage the molded product," and claim "means" for separating the mold sections, "when unlocked, to discharge the contents thereof."

In his specifications the applicant states:

When the mold reaches the position A the roller 14ª on the end of the carrier will ride up on the track 47 to slightly raise the cores 15 out of the mold 8, the swivel ball connection between cores 15 and the head 14ᵇ being such that this movement may take place without disturbing the centering of the cores 15 in the cone.

The letter A to which the specification refers shows that part of a track over which the roller carrying the core rides where the track begins to rise slightly, so that the roller riding upon the track slightly raises the core in the cone, and the drawing shows that the track continues at the same level from A to B, where the sections of the mold begin to be opened; and then on to C at the same level, where the mold is fully opened. The specifications state that the core is connected to the roller by a swivel ball connection, so that the movement of slightly raising the core would not disturb its centering in the cone, where it continues to be held until the sides of the mold are unlocked and their separation begins, and remains in the same position until they are fully separated at C. This core is made of iron and weighs about two pounds, and if held within the cone, only slightly raised from its original position, so that it is freed from the cone and centered within it by means of the swivel ball connection, it will operate as a finger to strip the cone from either side of the mold to which it may adhere, and will co-operate with the unlocking and separation of the sides of the mold in disengaging the cone.

If the applicant desired to make his claim for his extraction method more specific, he had a right to do so and restate his claims.

In *Hobbs* v. *Beach*, 180 U. S. 383, 396; 21 Sup. Ct. 409, 414; 45 L. Ed. 586; 94 O. G. 2357, the Court said:

The patent had been the subject of an earnest contest in the Patent Office for four years, had been put in interference with five other devices, and it was scarcely possible that, after this long litigation, the patentee should not have detected defects in his original application, and have taken this opportunity of correcting them. His experience in this litigation had doubtless apprised him of the weak points in his prior specification and claims, and it was perfectly competent for him to restate them, provided his patent was not essentially broadened to cover intervening devices.

In *National Hollow Brake Beam Co. et al.* v. *Interchangeable Brake Beam Co.*, 106 Fed. 698, 709; 45 C. C. A. 544, 560, the Court said:

An inventor is not called upon to state in his specification or claims for a patent all the functions of his device, or all the uses to which his invention may be put. When he has plainly described and claimed his machine or combination, and has secured a patent for it, he has the right to every use to which his device can be applied, and to every way in which it can be utilized to perform its function, whether or not he was aware of all these uses or methods of use when he claimed and secured his monopoly—citing *Roberts* v. *Ryer*, 91 U. S. 150, 157, 23 L. Ed. 267; 10 O. G. 204; *Miller* v. *Manufacturing Co.*, 151 U. S. 186, 201; 14 Sup. Ct. 310; 38 L. Ed. 121; 66 O. G. 845.

Doubtless a patentee is entitled to every use of which his invention is susceptible, whether such use be known or unknown to him. *Potts* v. *Creager*, 155 U. S. 597, 606, 15 Sup. Ct. 194, 198; 39 L. Ed. 275; 70 O. G. 494.

See, also, *Dowagiac Mfg. Co.* v. *Superior Drill Co.*, 115 Fed. 386; 53 C. C. A. 36; *Kirchberger* v. *American Acetylene Burner Co.*, 128 Fed. 599, 606; 64 C. C. A. 107; *I. T. S. Rubber Co.* v. *Panther Rubber Mfg. Co.*, 260 Fed. 934; 171 C. C. A. 576; 271 O. G., 512.

The slight raising of the core, and then holding it projected into the cone while the mold plates are separated, introduced a novel and patentable feature, and constituted the contribution of Bruckman to the art of baking ice-cream cones.

[1] The core performs a very important function, which is obvious and inherent within the mechanism claimed in the original application.

[2] The district court erred in finding that the Brookfield and Stivers patent, No. 835,235, anticipates the patent in suit in the method of extraction of the cone. That is a patent for a molding machine, in which glass insulators are molded, and the material introduced by hand. The office of the core in the Brookfield and Stivers patent is to keep the glass insulator from tipping or tilting when it is being released from the mold, and is clearly distinguishable from the office of the core in the patent in suit. In the Brookfield and Stivers patent two cores are introduced into the molten glass, one of them for the purpose of creating a threaded opening in the glass insulator, and another above that to form an oblong opening, which will allow the insulator to be adjusted to any object upon which it is to be placed. The core which made the threaded opening in the insulator is entirely withdrawn from this opening, and the other core is fully withdrawn from the oblong opening created above the threaded opening. The core which has been withdrawn from the threaded opening is then allowed to remain in the oblong opening, in order to keep the insulator from tilting, so that it may fall out of the molds when they are opened without obstructing the passage. If the glass in cooling should adhere to the side of the mold, it could be broken off only by the use of a cold chisel. The evident purpose, therefore, of the cone remaining in the oblong opening at the top of the insulator, is not to strip the insulator from the sides of the mold, but to keep it straight, so that it will not tilt and obstruct its passage out of the molds.

In the patent in suit the core is but slightly raised within the cone, enough evidently to disengage it therefrom, and it remains projected into the cone until the sides of the molds are fully separated, for the very obvious purpose of stripping the corrugated sides of the cone from either of the mold surfaces. We can see no other purpose in retaining the core within the cone when the mold plates are opened, except that it may act as a stripping finger, and we think, as stated, that this is obvious and inherent in the mechanism claimed by Bruckman.

Glass molding is a nonanalogous art. The molten glass which is introduced into the mold is not heated; but it assumes the form of the mold when it cools. It does not expand, as does the batter introduced into the molds in suit, nor is there obviously the difficulty to be overcome which arises when batter, sweetened with sugar, is baked, of the molded product adhering to the sides of the molds, which are roughened and corrugated in order to hold the cone firmly while the core is slightly lifted within it.

The Brookfield and Stivers patent was considered by Judge Van Valkenburgh in *Bruckman et al.* v. *Stephens et al.* (D. C.) 268 Fed. 874, who found that it was distinctly in another art, and

that it did not anticipate the Bruckman patent. His opinion is cited with approval by the circuit court of appeals in *Roberts Cone Mfg. Co.* v. *Bruckman*, 266 Fed. 986. In both of these cases, which arose in the eighth circuit, the court had before it the history of the patent, its file wrapper, and considered the prior art. The rule of comity is not one of courtesy only, but has been established for the very practical and useful purpose of producing uniformity of decisions, where the records are substantially the same, as is the case here, and should not be departed from, except for sound and convincing reasons.

We have carefully studied the history of the proceedings in the Patent Office, as shown by the file wrapper, which discloses that the patent in suit was placed in interference with several patents in the pastry-making art, and also in the glass-molding art; that some of the original claims were canceled, and others were amended. No one of the 15 claims of the patent in suit, which it is alleged were infringed by the defendant, was amended or narrowed, and all are in the same form as when the application was presented. They therefore should not be considered as having been restricted or narrowed by any action of the Patent Office upon the other claims, but are entitled to a broad construction. See *Hess-Bright Mfg. Co.* v. *Fichtel*, 219 Fed. 723; 135 C. C. A. 421; *Pangborn* v. *Sly* (C. C. A.) 284 Fed. 217; 317 O. G. 501; *Veneer Machinery Co.* v. *Grand Rapids Chair Co.*, 227 Fed. 419; 142 C. C. A. 115; *Stromberg* v. *Zenith*, 254 Fed. 68; 165 C. C. A. 478; *Goodyear* v. *Davis*, 102 U. S. 222; 26 L. Ed. 149; 19 O. G. 543; *Weber Electric Co.* v. *Freeman*, 256 U. S. 668; 41 Sup. Ct. 600; 65 L. Ed. 1162; 288 O. G. 631.

While the manner in which the batter is supplied to the molds by the defendant differs from that used in the patent in suit, as does also the specific mechanism used by the defendant for locking the molds after the cores have been introduced into them, and also for unlocking the molds, yet we think these devices infringe the claims in suit, giving them the broad scope to which they are entitled.

[3] While Bruckman had made use of well-known elements, all of them old, yet by a new combination and sequence of operations, which he introduced in his step-by-step method, and the ingenious and novel method which he contributed for extracting the cone from the molds automatically, thus doing away with the unsanitary conditions caused by extracting the cones by hand, he produced a new and beneficial result never attained before and largely cheapened the cost of production. All this is evidence of invention. *Webster Loom Co.* v. *Higgins*, 105 U. S. 580, 591; 26 L. Ed. 1177; 21 O. G. 590.

We are fully in accord with the language of the opinion of the circuit court of appeals in *Roberts Cone Mfg. Co.* v. *Bruckman*, supra, and quote the same:

> This examination of the prior art in connection with the Bruckman patent results in the conclusion that Bruckman, though using several known elements, has added other new essential elements, has in a novel manner assembled and combined all in one machine, operated through a single transmission of power, and thereby has accomplished a new and desirable result. Bruckman has created a machine which automatically takes a semifluid adhesive batter from a tank, carries it through all intermediate stages of formation, baking, trimming, and conveyance, and finally deposits it as a finished, fragile, commercially perfect crust cone on a table ready for packing into cartons. No such result had ever been accomplished before; it was a useful result, and accomplished in a highly satisfactory and sanitary manner. This entitles his machine to be considered a pioneer in the field of automatic production of sanitary batter cones.

We are also in accord with the court in its finding and ruling that:

> For the purpose of testing the character of this patent as a pioneer, it should be considered as a whole, having in mind the entire invention, its purposes and its results.

The evidence discloses that Bruckman's device went into a large commercial use; that 44 machines have been manufactured, which show the elements set out in claim 66; that one-quarter of all the ice-cream cones manufactured in the United States are made on the Bruckman machines, and the price has been reduced for cones from $15.50 and $17.50 per thousand in 1908 to $3 per thousand soon after the Bruckman machines came into use.

The number of machines given above includes, not only those which have the dip method of introducing batter to the molds, but also the pump method of introducing the same. The defendant makes use of a rotatable wheel, upon which female molds are placed, and uses the step-by-step method of the Bruckman patent. He introduces batter into these molds by dropping it into them before the cores close down in them, and his mechanism for locking the molds and securing the cores within them is somewhat different from that of the patent in suit, yet we think they are covered by its broad claims in these respects.

In the matter of extracting the cones from the molds after they are baked, the defendant makes use of the same principle set out in claims 66 and 67 of the patent in suit, and uses the core, while suspended in the cone, to strip it from the sides of the molds when the same have been opened, and we think infringes these claims.

The appellee filed a motion that the arguments of counsel before the court below be added to the record, and we have been supplied with printed copies of these arguments. Counsel upon both sides had ample time for oral argument before us, and have filed extensive and comprehensive briefs, and the motion is denied.

The decree of the district court is reversed, and the case is remanded to that court for further action not inconsistent with this opinion; the appellants recover costs of appeal.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

889,480, S. Moss, Telephonic horn, or horn for talking machine, final consent decree sustaining patent, adjudging infringement, and granting injunction, Feb. 25, 1925, D. C., S. D. N. Y., Doc. E 31/75, *Sheip & Vandergrift, Inc.*, v. *World Loud Speaker Mfg. Corp. et al.*

942,700, L. H. Baekeland, Condensation products of phenol and formaldehyde and method of making same, final consent decree sustaining patent, adjudging infringement, and granting injunction, Mar. 3, 1925, D. C., S. D. N. Y., Doc. E 27/94, *Bakelite Corp.* v. *P. Hagenow.* Same, suit filed Mar. 10, 1925, D. C., S. D. N. Y., Doc. E 31/250, *Bakelite Corp.* v. *Transatlantic Clock & Watch Co., Inc.*

955,459, P. C. Hewitt, Apparatus for transmitting and utilizing electric currents; 955,460, same, Method of transmitting and utilizing electric currents, suit filed Mar. 5, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1392, *Cooper-Hewitt Electric Co. et al.* v. *C. & C., Inc., et al.*

955,460. (See 955,459.)

962,946, L. W. Cushman, Spray nozzle, appeal filed Mar. 3, 1925, C. C. A. (2d Cir.), Doc. 8686, *Hayes Pump & Planter Co.* v. *Friend Mfg. Co.*

971,838, W. M. Fulton, Process of making tubular metal walls, decision holding claims 2, 3, 4, and 5 infringed and claim 1 not infringed (notice dated Feb. 24, 1925), D. C., W. D. Wis., Doc. E 45, *The Fulton Co.* v. *Janesville Laboratories, Inc., et al.*

1,180,159, I. Langmuir, Incandescent electric lamp, final consent decree sustaining patent, adjudging infringement, and granting injunction, Feb. 24, 1925, D. C., S. D. N. Y., Doc. E 22/287, *General Electric Co.* v. *United Lamp Mfg. Corp.*

1,240,582, C. W. Kirsch, Curtain rod, decree affirmed (notice dated Mar. 3, 1925), C. C. A. (2d Cir.), Doc. 8494, *Kirsch Mfg. Co.* v. *Gould Mersereau Co.*

1,299,334, S. L. Hansom, Rope-carried trip device, suit filed Feb. 21, 1925, D. C. Minn. (4th Div.), Doc. E 436, *S. L. Hanson* v. *Olson Mfg. Co.*

1,308,793, L. W. Luellen, Receptacle, suit filed Jan. 30, 1925, D. C., E. D. N. Y., Doc. 2047, *Dixie Drinking Cup Co., Inc.*, v. *Paper Utilities Co., Inc., et al.*

1,327,886, S. L. Hanson, Adjustable cattle stall, suit filed Feb. 21, 1925, D. C. Minn. (4th Div.), Doc. E 437, *S. L. Hanson* v. *Olson Mfg. Co.*

1,345,379, W. McArthur, jr., Radiator cap, suits filed Feb. 2, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4638, *The Norlipp Co. et al.* v. *Premier Products Co. et al.* Same, Doc. 4639, *The Norlipp Co. et al.* v. *General Automotive Corp.*

1,411,391, J. D. Tucker, Spoke tightener, suit filed Sept. 23, 1924, D. C. Minn., 2d Div. (Mankato), Doc. E 56, *Tucker Mfg. Co.* v. *Ekern-Turk Mfg. Co., Inc.*

1,430,120, C. C. Shipp, Method of making the connection for ventilating box bases, suit filed Feb. 20, 1925, D. C. Ind., Doc. 906, *C. C. Shipp* v. *H. F. Zietlow et al.*

1,468,595, W. Ferris, Broaching machine, suit filed Oct. 25, 1925, D. C., N. D. Ohio (W. Div.), Doc. 497, *The Oilgear Co.* v. *The Dura Co.*

1,478,207, J. B. Downing, Switch plug, order of discontinuance consent, Feb. 11, 1925, D. C., S. D. N. Y., Doc. E 30/38, *Beaver Machine & Tool Co., Inc.*, v. *Magnus Electric Co., Inc.*

1,480,294, A. L. Overholt, Towel cabinet, suit filed Mar. 2, 1925, D. C., E. D. Mich. (S. Div.), Doc. 971, *Steiner Sales Co.* v. *K. M. Leute et al.*

1,487,189, L. J. Wahl, Clipper, bill dismissed for want of equity, D. C., E. D. Wis., Doc. 1429 C D, *L. J. Wahl et al.* v. *M. Andis et al.*

1,490,732, T. F. Callaghan, Electric furnace, suit filed Jan. 24, 1925, D. C., E. D. Wis., Doc. 1519 C D, *General Electric Co. et al.* v. *E. C. Uihlein.*

1,492,202, J. L. Carroll, Baby walker, final consent decree holding patent valid as to claims 1 and 2 (notice dated Mar. 5, 1925), D. C., S. D. Ohio (W. Div.), Doc. E 366, *J. I. Carroll et al.* v. *F. F. Taylor et al.* (*Toy Builder's Co.*) *et al.*

1,498,196, L. G. Pacent, Electric plug, suit filed Feb. 25, 1925, D. C., S. D. N. Y., Doc. E 31/196, *Pacent Electric Co., Inc.*, v. *Granat & Schwartz* (*Ajax Products Co.*) *et al.*

Des. 59,923, H. A. Philips, Lace, suit filed Feb. 21, 1925, D. C., S. D. N. Y., Doc. E 31/192, *The American Fabrics Co.* v. *Richard Lace Works et al.*

Des. 65,066, M. Klein, Dining-room lighting fixture, suit filed Mar. 4, 1925, D. C., S. D. N. Y., Doc. E 31/222, *Shapiro & Aronson, Inc.*, v. *Excelite Fixture Corp.*

T. M. 182,558, Fuerst & Kraemer, Ltd., Chocolate and candy, suit filed Feb. 26, 1925, D. C., M. D. Pa., Doc. 463, *Fuerst & Kraemer, Ltd.*, v. *Williams Evangeline Confection Co.*

TRADE-MARKS CANCELED.

40,356. Solution used externally for all scalp and skin diseases. J. Forney Draper & Co., Albia, Iowa. Registered May 12, 1903. Canceled February 24, 1925.

83,192. Ham, sausage, and bacon. Tennessee Packing and Stock Yards Co., Nashville, Tenn. Registered August 22, 1911. Canceled February 24, 1925.

84,556. Vacuum cleaners and generators. Water Power Vacuum Cleaner Company, Buffalo, N. Y. Registered December 19, 1911. Canceled January 31, 1925.

125,917. Motor trucks and trailers. Stability Motors Company, Philadelphia, Pa. Registered July 8, 1919. Canceled March 2, 1925.

133,421. Cigarettes. Halle-Perris Trading Corporation, New York, N. Y. Registered July 27, 1920. Canceled February 24, 1925.

147,820. Hair tonic. St. Lawrence Manufacturing Company, Chicago, Ill. Registered November 1, 1921. Canceled January 31, 1925.

148,915. Piece textile fabrics made of cotton, cotton and wool, and cotton and silk. Penn Textile Company, New York, N. Y. Registered November 29, 1921. Canceled January 19, 1925.

153,912. Sawmill and woodworking machinery and certain machines and tools. American Saw Mill Machinery Co., Hackettstown, N. J. Registered March 28, 1922. Canceled February 24, 1925.

154,638. Candy. Muskogee Wholesale Grocer Company, Muskogee, Okla. Registered April 18, 1922. Canceled January 31, 1925.

159,274. Hams, bacons, butter, eggs, and sausage. Becker Provision Co., Little Rock, Ark. Registered September 26, 1922. Canceled February 24, 1925.

160,828. Preparation for preventing perspiration and for removing the odor thereof. The B. & P. Company, Cleveland, Ohio. Registered October 31, 1922. Canceled January 31, 1925.

162,441. Perfume atomizers. George E. Mignon, Inc., New York, N. Y. Registered December 12, 1922. Canceled March 7, 1925.

167,431. Cosmetics. Laddie A. Williston, doing business as Mrs. T. A. Williston, Oakland, Calif. Registered May 1, 1923. Canceled February 24, 1925.

168,302. Printing inks. The American Printing Ink Company, Cincinnati, Ohio. Registered May 15, 1923. Canceled January 31, 1925.

172,844. Mercerized cotton pongee in the piece. The Murray Trading Co., Inc., New York, N. Y. Registered September 11, 1923. Canceled January 19, 1925.

176,590. Wheat flour. State Line Milling Co., Kiowa, Kans. Registered November 27, 1923. Canceled February 24, 1925.

181,686. Preparation for sore throat and tonsillitis. C. Lewis Wilson, doing business as Tonsilo Company, Parkersburg, W. Va. Registered March 25, 1924. Canceled January 30, 1925.

187,063. Nonalcoholic, maltless, noncereal beverage sold as a soft drink. Marvin A. Simons, Eureka, Calif. Registered July 22, 1924. Canceled February 24, 1925.

187,617. Paint. Independent Wall Paper Company, Pittsburgh, Pa. Registered August 5, 1924. Canceled March 28, 1925.

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 6, 1925.*

Stanley Clague, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Fred A. Smith, 1426 West Third Street, Cleveland, Ohio, for registration of a trade-mark and trade-mark registered December 20, 1910, No. 80,410, to Stanley Clague, First National Bank Building, Chicago, Ill., and a notice of such declaration sent by registered mail to said Stanley Clague at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Stanley Clague, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

Mark Miller and Charles D. Miller, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Stockport Milling Co., Stockport, Ohio, and Butler County Milling Company, Poplar Bluff, Mo., for registrations of trade-marks and trade-mark registered November 20, 1894, No. 25,545, to Mark Miller and Charles D. Miller, Vassar, Mich., and a notice of such declaration sent by registered mail to said Mark Miller and Charles D. Miller at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Mark Miller and Charles D. Miller, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 9, 1925.*

The American Radio Sales and Service Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of the Multiple Electric Products Company, Inc., 61 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered July 11, 1922, No. 156,611, to The American Radio Sales and Service Company, of Mansfield, Ohio, and a notice of such declaration sent by registered mail to The American Radio Sales and Service Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The American Radio Sales and Service Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 14, 1925.*

The Brighton Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Agnes C. Graves, of 425 East Water Street, Milwaukee, Wis., for registration of a trade-mark and trade-mark registered July 28, 1908, No. 70,095, to The Brighton Chemical Co., 232 East Fourth Street, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to The Brighton Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Brighton Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweekly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweekly, 289 Fourteenth Avenue, Astoria, Long Island, N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y.; William A. Ready, 112 Winthrop Road, Brookline, Mass.; and Walter W. Wood, R. F. D. No. 3, Canton, Ohio, and the Office having failed to secure service on the said Zweekly, notice is hereby given that unless said Zweekly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweekly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweekly, 289 Fourteenth Avenue, Astoria, Long Island, N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y., and William A. Ready, 112 Winthrop Road, Brookline, Mass., and the Office having failed to secure service on the said Zweekly, notice is hereby given that unless said Zweekly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, MAY 5, 1925.

[VOL. 334. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 142,939. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUCOA BUTTER COMPANY, New York, N. Y. Filed Jan. 29, 1921.



No claim is made to the words "Golden Flake—Pure Vegetable Shortening" apart from the mark shown in the drawing.

Particular description of goods.—Vegetable Shortening.

Claims use since Dec. 13, 1920.

Ser. No. 148,559. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed June 2, 1921.



Particular description of goods.—Metal Angles for Box Partitions and General Use, Stamped Metal Arrows for General Use, Metal Beckets for General Purposes; Bells for Toys, Dog Collars, and General Purposes Except Electrical; Metal Binder Parts, Including Strips, Slides, Wire Forms, Fasteners, Eyelets, Rivets, Etc.; Metal Burs and Washers; Caps (Tubular Rivet, Split Rivet, Etc.); Cord, Rope, and Wire Clamps; Clips for General Purposes, Metal Corners for General Purposes, Cotter Pins, Metal Disks for General Purposes, Escutcheon Pins, Keyhole Escutcheons, Metal Fasteners for General Purposes, Metal Frames for General Purposes, Thermometer Guards, Metal Handles for General Purposes, Stamped Metal Hands for General Purposes; Metal Hangers for Calendars, Passepartouts, Moth Bags, and General Purposes; Split-Rivet Holders; Hooks of all Kinds, Metal Knobs; Loops for Razor Strops, Belts, and General Purposes; Heel Plates, Moth Bag Plates, Name Plates for Dog Collars, Metal Plates for General Purposes, Metal Posts for General Uses, Drawer Pulls, Metal Screens for General Purposes, Screw Eyes, Shoe Shanks, Metal Slides for General Purposes, Metal Spots for General Purposes, Metal Springs for General Purposes, Staples for General Purposes, Metal Straps for General Purposes, Metal Studs for General Purposes, Metal Tips for General Purposes, Metal Tongues for General Purposes, Metal Terminals for Ropes, Cords, Wires, and General Purposes.

Claims use since Jan. 1, 1916.

Ser. No. 152,743. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD T. FRANKEL, New York, N. Y. Filed Sept. 9, 1921.

DISCOLOG

Particular description of goods.—Mathematical Publications—Namely, Charts and Tabulations Pertaining to Business and Published from time to time.

Claims use since on or about Aug. 29, 1921.

Ser. No. 160,064. (CLASS 39. CLOTHING.) ELIAS ISRAEL, doing business as Ecuadorian Panama Hat Company, New York, N. Y. Filed Mar. 2, 1922.



No claim is made to the words "New York."

Particular description of goods.—Woven Fiber Hats for Men, Women, and Children.

Claims use since about June 11, 1921.

Ser. No. 160,831. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REGINALD HEBER ROBINSON, Buffalo, N. Y. Filed Mar. 17, 1922.

SPRAY-O-ZONE

Particular description of goods.—Disinfectant and Cleanser for External Use in the Treatment of Catarrh and Nasal Infection.
Claims use since Jan. 20, 1920.

Ser. No. 166,525. (CLASS 39. CLOTHING.) MARIE ROSE DURANTE, Utica, N. Y. Filed July 6, 1922.

Wooley Wool
CHEST & BACK PROTECTOR

No claim is made to the exclusive right to the use of the words "Chest & Back Protector" and "Wooley Wool."
Particular description of goods.—Chest and Back Protector Garments.
Claims use since November, 1918.

Ser. No. 173,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NATHANIEL WALDO HARRISON, doing business as Indian Remedy Company, Baltimore, Md. Filed Dec. 29, 1922.

Black Hawk

Particular description of goods.—Preparation to be Taken Internally for Catarrh, Constipation, Indigestion, Liver, Kidney, and Kindred Troubles, Headache, Hysteria, Blood Purifier, Nervous Prostration, and Nervous Diseases, such as Weak Memory and Loss of Brain Power.
Claims use since Nov. 23, 1922.

Ser. No. 174,964. (CLASS 38. PRINTS AND PUBLICATIONS.) PERCEVAL HOWARD KRAYN, Preston, Ontario, Canada. Filed Jan. 23, 1923.

"NORM"

Particular description of goods.—Business Forms.
Claims use since Aug. 23, 1922.

Ser. No. 176,808. (CLASS 37. PAPER AND STATIONERY.) JOHN O. WINKS, doing business as Ace Clip Company, San Francisco, Calif. Filed Feb. 19, 1923.

ACE

The representation of a paper clip shown in the drawing forms no part of the trade-mark sought to be registered and is hereby disclaimed.
Particular description of goods.—Paper Clips.
Claims use since Jan. 30, 1921.

Ser. No. 178,553. (CLASS 25. LOCKS AND SAFES.) CHICAGO THRIFT COMPANY, Chicago, Ill. Filed Apr. 4, 1923.

START WITH A COIN
END WITH A BARREL OF MONEY

No claim is made to the words shown on the mark apart from the association shown in the drawing.
Particular description of goods.—Banks.
Claims use since Nov. 1, 1921.

Ser. No. 178,952. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BAKER & CO., INC., Newark, N. J. Filed Apr. 11, 1923.

EVERSPRING

Particular description of goods.—Dental Wire.
Claims use since January, 1923.

Ser. No. 182,499. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE DEARBORN COMPANY, Chicago, Ill. Filed June 27, 1923.

DEARMAID

Particular description of goods.—Furniture—Namely, Household Tables, Combination Table Cabinets, Smoking Stands, Ferneries, Sewing Cabinets, Telephone Stands and Chairs, Stools, Chairs and Settees, Couch Hammocks, Sitting Benches, and Medicine Cabinets.
Claims use since Jan. 1, 1921.

Ser. No. 183,305. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA SIERRA HEIGHTS CANNING COMPANY, Arlington, Calif. Filed July 16, 1923.

FERNWOOD

Particular description of goods.—Canned Apricots, Canned Peaches, and Canned Tomatoes.
Claims use since March, 1919.

Ser. No. 185,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LA SOCIETE A. BLOCH AND A. KAHN, Marseille, France. Filed Sept. 7, 1923.

MEDIUM BEANS ALBERT
PEA BEANS ANNA
HALF MEDIUM BEANS ILDA
SMALL PEA BEANS JEAN
HIRONDELLE BRAND
B & K
MARSEILLES

No claim is made to any of the wording upon the drawing except the word "Hirondelle" and the letters "B & K."
Particular description of goods.—Dried Fruits and Vegetables.
Claims use since December, 1922.

Ser. No. 187,276. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AKTIEBOLAGET HUGO HALLGRENS KONSERVFABRIKER, Gottenborg, Sweden, Filed Oct. 22, 1923.

GUBBEN

The word "Gubben" appearing in connection with the mark is a Swedish expression of an old man.
Particular description of goods.—Canned Fish Spawn, Canned Mussels, Canned Caviare; Smoked, Dried, and Preserved Fish: Canned Fish, Canned Cabbage-Sausages, Canned Roast Beef, Canned Sausages, Canned Liver Patties, Canned Blood Pudding, Canned Fruits, and Canned Vegetables.
Claims use since April, 1923.

Ser. No. 188,626. (CLASS 38. PRINTS AND PUBLICATIONS.) DIRECT COUPON CORPORATION, New York, N. Y. Filed Nov. 21, 1923.

VALUABLE
DIRECT COUPONS
NATIONAL ADVERTISERS SPECIAL OFFER COUPONS

Applicant disclaims the exclusive right to the use of the words "Valuable Coupons, National Advertisers Special Offer Coupons."
Particular description of goods.—Coupon Books.
Claims use since Aug. 6, 1923.

Ser. No. 191,232. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARGARET F. HOWE, New York, N. Y. Filed Jan. 24, 1924.

Margaret Vale's
Celebrity Creations

No rights are asserted to the exclusive use of the word "Creations" apart from the trade-mark shown in the drawing. The name "Margaret Vale" appearing in the drawing is the professional name of applicant.
Particular description of goods.—Dolls.
Claims use since Jan. 3, 1924.

Ser. No. 192,812. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) "DABEG" MASCHINENFABRIKS AKTIENGESELLSCHAFT, Vienna, Austria. Filed Feb. 15, 1924.

DABEG

Particular description of goods.—Steam-Boiler Feed Apparatus, Steam-Jet Apparatus, Steam Blowers, Injectors, Ejectors, Steam Pumps, Preheaters, Steam Superheaters, and Steam Engines.
Claims use since June 15, 1908.

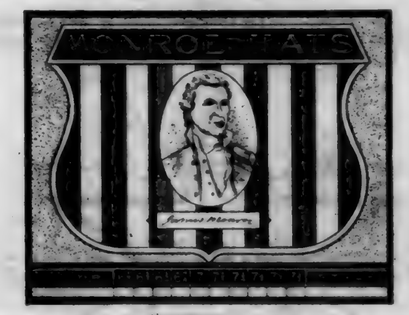
Ser. No. 192,816. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CARPENTER & PATTERSON INC., Boston and East Boston, Mass. Filed Feb. 26, 1924.



WITCH

Particular description of goods.—Copper Floats, Lead Traps, Roof Flanges, and Trap Covers.
Claims use since Oct. 22, 1920.

Ser. No. 192,944. (CLASS 39. CLOTHING.) ORVILLE WAGNER, doing business as Monroe Hat Company, Chicago, Ill. Filed Feb. 27, 1924.



No claim is made to the words "Hats," "Color," and "Style" or the numerals appearing on the drawing of said trade-mark, and applicant hereby disclaims any intent or desire to have the said words "Hats," "Color," and "Style" or the numerals appearing on the drawing of said trade-mark registered as a trade-mark. The color used in said mark consists of a red, white, and blue shield on a gray field, with a blue field containing certain numerals, the whole of which is surrounded by a red border.
Particular description of goods.—Hats and Caps for Men, Women, and Children.
Claims use since Nov. 15, 1923.

Ser. No. 193,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LIONEL TRADING CO. INC., New York, N. Y. Filed Mar 3, 1924.

BON SOIR

Particular description of goods.—Perfumes.
Claims use since about Feb. 23, 1924.

Ser. No. 193,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROVER C. BEAR, doing business as G. C. Bear & Co., Detroit, Mich. Filed Mar. 7, 1924.

POLAR BRAND PRODUCTS

POLAR COCOA

No claim is made to the words "Brand," "Products," and "Cocoa" apart from the other features of the mark as shown. The representation of the polar bear is printed on a background of red, and the words "Polar Brand Products" printed in red.
Particular description of goods.—Cocoa and Chocolate.
Claims use since Feb. 15, 1924.

Ser. No. 193,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. MCNICKLE, doing business as McNickle & Company, Spring Hill, W. Va. Filed Mar. 7, 1924.



Particular description of goods.—Medicinal Preparation for the Blood and Nerves.
Claims use since Feb. 12, 1924.

Ser. No. 193,640. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ROBERT J. ASTLEFORD, Hazleton, Pa. Filed Mar. 12, 1924.

ASTLEFORD'S BEST BRAND LEATHER FOOD

No claim is made to the exclusive use of the words "Tea-Berry" and "Leather Food" apart from the mark shown on the drawing.
Particular description of goods.—Leather Food.
Claims use since on or about Mar. 5, 1912.

Ser. No. 194,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CANDY CO., Milwaukee, Wis. Filed Mar. 26, 1924.

FLAT TIRE

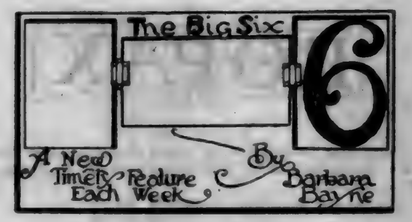
Particular description of goods.—Candy.
Claims use since Feb. 1, 1924.

Ser. No. 194,791. (CLASS 38. PRINTS AND PUBLICATIONS.) FUNK & WAGNALLS COMPANY, New York, N. Y. Filed Apr. 1, 1924.

Our Junior Salesmen

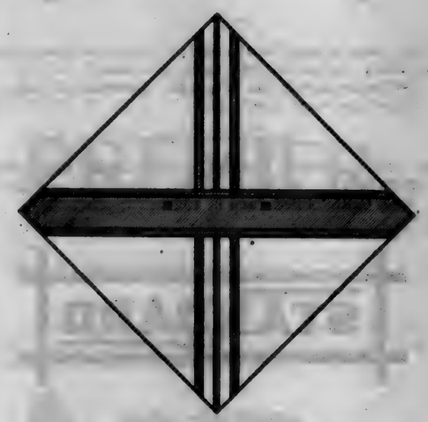
Particular description of goods.—Periodical Published Monthly.
Claims use since Feb. 1, 1924.

Ser. No. 196,227. (CLASS 38. PRINTS AND PUBLICATIONS.) BARBARA BAYNE, Los Angeles, Calif. Filed Apr. 28, 1924.



"A New Timely Feature Each Week" appearing on the drawing is hereby especially disclaimed.
Particular description of goods.—Short Stories and Articles Published in a Continuing Series.
Claims use since 1922.

Ser. No. 196,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES ARNOLD, doing business as Arnold's and Chas. Arnold & Sons, Peru, Ind. Filed May 14, 1924.



The contrasting lining of the drawing is intended to represent different colors, but such color is disclaimed apart from the mark as shown.
Particular description of goods.—Candy in Bar Form.
Claims use since July, 1923.

Ser. No. 196,031. (CLASS 37. PAPER AND STATIONERY.) ROPE PAPER SACK MFGRS. ASSN., Providence, R. I. Filed June 3, 1924.

ROPAX

Particular description of goods.—Merchandise Wrappers of Certain Sizes and Shapes Made from Manila Rope Paper.
Claims use since Nov. 5, 1923.

Ser. No. 198,032. (CLASS 37. PAPER AND STATIONERY.) ROPE PAPER SACK MFGRS. ASSN., Providence, R. I. Filed June 3, 1924.

ROPAX

Particular description of goods.—Merchandise Wrappers of Certain Sizes and Shapes Made from Manila Rope Paper.
Claims use since Nov. 5, 1923.

Ser. No. 198,035. (CLASS 37. PAPER AND STATIONERY.) STANDARD FORMS BUREAU, San Francisco, Calif. Filed June 3, 1924.

STANDARD

No claim is made to the word "Standard" apart from the other features of the mark as shown.
Particular description of goods.—Insurance Forms.
Claims use since April, 1916.

Ser. No. 198,036. (CLASS 37. PAPER AND STATIONERY.) STANDARD FORMS BUREAU, San Francisco, Calif. Filed June 3, 1924.

STANDARD

No claim is made to the word "Standard" apart from the other features of the mark as shown in the drawing.
Particular description of goods.—Insurance Forms.
Claims use since April 30, 1924.

Ser. No. 198,073. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALBERT KREISA, GESELLSCHAFT, M. B. H., Vienna, Austria. Filed June 4, 1924.

CIRCULIT

Particular description of goods.—Gas Generators and Parts Thereof.
Claims use since July 21, 1923.

Ser. No. 198,074. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALBERT KREISA, GESELLSCHAFT, M. B. H., Vienna, Austria. Filed June 4, 1924.

AUGMENT

Particular description of goods.—Gas Generators and Parts Thereof.
Claims use since July 21, 1923.

Ser. No. 198,075. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ALBERT KREISA, GESELLSCHAFT, M. B. H., Vienna, Austria. Filed June 4, 1924.

REPROTHERM

Particular description of goods.—Gas Generators and Parts Thereof.
Claims use since Sept. 22, 1923.

Ser. No. 198,584. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PICCADILLY INK COMPANY, Baltimore, Md. Filed June 14, 1924.



Particular description of goods.—Cleaning Compound for Cleaning Spots Out of Silk, Satin, Velvet, Flannel, Serge, Wool, Felt, Cotton, Cashmere, Linen, Madras, Organdie, Lisle, Damask, Muslin, Cambric, Chiffon, Lawn, Net, and for Cleaning Gloves, Kid, Buck, and White Shoes, Spats, Neckties, and Felt Hats.
Claims use since June 1, 1924.

Ser. No. 199,058. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed June 24, 1924.

PATIO

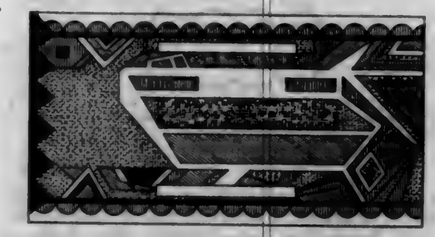
Particular description of goods.—Fabrics Made of Silk.
Claims use since about April 20, 1924.

Ser. No. 199,283. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GILLESPIE VARNISH COMPANY, Jersey City, N. J. Filed June 28, 1924.



No claim is made to the words "Established 1824, One U. S. Quart, Incorporated 1893, Hospital White Enamel, Extra Quality, Trade-Mark Reg. U. S. Pat. Off., Manufactured by, Varnish Makers Over 100 Years, Jersey City, N. J., U. S. A." apart from the mark shown in the drawing.
Particular description of goods.—Enamel Paint.
Claims use since April 2, 1924.

Ser. No. 199,337. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN-QUALLEY COMPANY, St. Paul, Minn. Filed June 30, 1924.



In the drawing the colors of a futuristic design are shown symbolically by lining, the colors indicated being red, yellow, green, and black.
Particular description of goods.—Candies.
Claims use since Apr. 30, 1924.

Ser. No. 200,031. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BIANCHINI, FERIER, Lyon, France. Filed July 15, 1924.

EXTASIA

Particular description of goods.—Piece Goods of Silk, Cotton, Wool, and Hair.
Claims use since June 4, 1924.

Ser. No. 200,225. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH SCALSI, Pittsfield, Mass. Filed July 18, 1924.



All reading matter in the mark is disclaimed (except the monogram on the jar) apart from the mark as shown in the drawing.
Particular description of goods.—Canned Olive Oil.
Claims use since Jan. 2, 1924.

Ser. No. 200,485. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed July 25, 1924.

PREMIER

Particular description of goods.—Rubber Inner Tubes for Tires.
Claims use since June 1, 1924.

Ser. No. 200,540. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOYD PACKING COMPANY, Richmond, Va. Filed July 26, 1924.

Acme

Particular description of goods.—Ham, Bacon, Lard, and Lard Substitute Composed of Vegetable Oil, Oleostearin, and Pure Lard, Sausage.
Claims use since July 15, 1924.

Ser. No. 201,308. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRESTIDGE FRUIT CO., Cutler, Calif. Filed Aug. 12, 1924.

SKY PILOT

Particular description of goods.—Fresh Grapes.
Claims use since June 19, 1924.

Ser. No. 201,533. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDGAR E. BRASS, doing business as Petersburg Canning Works, Petersburg, Ill. Filed Aug. 18, 1924.

MAN IN THE BRAND MOON



The word "Brand" does not form a part of the mark sought to be registered apart from the mark shown in the drawing.

Particular description of goods.—Canned Vegetables.

Claims use since 1922.

Ser. No. 201,967. (CLASS 39. CLOTHING.) MADELON MODES, INC., New York, N. Y. Filed Aug. 28, 1924.

Madelon

Particular description of goods.—Women's Apparel—Namely, Hosiery, Leather Shoes, and Suits.

Claims use since July 18, 1924.

Ser. No. 202,167. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Filed Sept. 8, 1924.

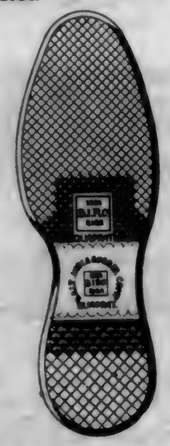
KWIK AMONIA KOMPOUND

No claim is made to the words "Amonia Kompound" or "Kwik" apart from the trade-mark shown.

Particular description of goods.—Washing or Cleansing Powder.

Claims use since July 14, 1924.

Ser. No. 202,316. (CLASS 39. CLOTHING.) BALTIC INDIA RUBBER COMPANY "QUADRAT," Riga, Latvia. Filed Sept. 8, 1924.



The exclusive rights to the use of the word "Riga" and to the representation of a shoe sole are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Rubber Overshoes.

Claims use since May 9, 1924.

Ser. No. 202,396. (CLASS 39. CLOTHING.) MAX JOSEPHSON, doing business as National Hosiery Stores Company, New York, N. Y. Filed Sept. 9, 1924.

NATIONAL BLUE LINE

Particular description of goods.—Hosiery.

Claims use since Dec. 22, 1922.

Ser. No. 202,650. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGUS WATSON & COMPANY LIMITED, Newcastle-on-Tyne, England. Filed Sept. 15, 1924.

SAILOR



The portrait in the drawing is fanciful.

Particular description of goods.—Canned or Preserved Foods Prepared from Meats and Vegetables; Savories and Soups—Namely, Turkey and Tongue; Chicken, Ham, and Tongue; Ham and Tongue; Galantine Turkey and Tongue; Galantine Chicken and Ham; Galantine Chicken, Ham, and Tongue; Galantine Ham and Tongue; Galantine Ham and Tongue with Chicken Breast; Tomato Soup, Green-Pea Soup, Kidney Soup, Mock-Turtle Soup, Real-Turtle Soup, Oxtail Soup, Picnic Tongue, British Oxtongue, Rolled Oxtongue, and Sliced Oxtongue.

Claims use since Apr. 29, 1913.

Ser. No. 202,740. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CLAFLIN INCORPORATED, New York, N. Y. Filed Sept. 18, 1924.



The lining on the drawing representing the color blue with the exception of the lining in the word "Dover," which merely represents shading. No claim is made to the exclusive use to the word "Dover" apart from the other features shown in the drawing.

Particular description of goods.—Cotton Piece Goods—viz, Sheeting, Sheets, and Pillowcases.

Claims use since about June 1, 1924.

Ser. No. 202,986. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Sept. 24, 1924.

OAKLAND

Trade-mark consists of the word "Oakland."

Particular description of goods.—Automobiles.

Claims use since February, 1908.

Ser. No. 202,987. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Sept. 24, 1924.

Oakland

The letters constituting the word "Oakland" and the upper and lower panels of the oval shield being lined to indicate the color blue, as such parts are blue in the trade-mark as actually used.

Particular description of goods.—Automobiles.

Claims use since February, 1910.

Ser. No. 202,988. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Sept. 24, 1924.

Oldsmobile

Trade-mark consists of the word "Oldsmobile."

Particular description of goods.—Automobiles.

Claims use since December, 1900.

Ser. No. 202,989. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Sept. 24, 1924.



No claim is made for the exclusive use of the words "Lansing, Mich., U. S. A." apart from the mark shown on the drawing.

Particular description of goods.—Automobiles.

Claims use since December, 1900.

Ser. No. 202,998. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANGIOLILLO BROTHERS, New York, N. Y. Filed Oct. 4, 1924.



Particular description of goods.—Canned Olive Oil, Macaroni, and Canned Tunny Fish.

Claims use since 1918.

Ser. No. 203,517. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY C. HETTINGER, Philadelphia, Pa. Filed Oct. 7, 1924.

JoAnn Shop
HOME MADE
CANDIES

Applicant disclaims the descriptive words "Home Made Candies" apart from the other features of the mark.

Particular description of goods.—Candy.

Claims use since Aug. 1, 1923.

Ser. No. 203,755. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) HARRY SCHWARZSCHILD, doing business as Pedox Produx Company, New York, N. Y. Filed Oct. 11, 1924.

PEDOX

Particular description of goods.—Arch Supports and Ankle Supports.

Claims use since about Oct. 1, 1924.

Ser. No. 204,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERRELL-SOULE COMPANY, Syracuse, N. Y. Filed Oct. 20, 1924.



The portrait of the woman is fanciful.

Particular description of goods.—Mincemeat.

Claims use since May 1, 1888.

Ser. No. 204,377. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio. Filed Oct. 24, 1924.

SUPER SHEET

No claim is made for the word "Sheet" apart from the mark shown in the drawing.

Particular description of goods.—Galvanized Sheets.

Claims use since Sept. 25, 1924.

Ser. No. 204,378. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) THE SUPERIOR SHEET STEEL COMPANY, Canton, Ohio. Filed Oct. 24, 1924.

SUPER SHEET

No claim is made for the word "Sheet" apart from the mark shown in the drawing.

Particular description of goods.—Galvanized Sheets.

Claims use since Sept. 25, 1924.

Ser. No. 204,442. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE DURIRON COMPANY, INC., Dayton, Ohio. Filed Oct. 27, 1924.

ALCUMITE

Particular description of goods.—Metal Pipes of Corrosion-Resisting Composition, Metal Pipe Fittings of Corrosion-Resisting Composition, Cast-Metal Nails of Corrosion-Resisting Composition, and Metal Valves of Corrosion-Resisting Composition for Pipe Lines and the Like.

Claims use since Apr. 9, 1923.

Ser. No. 204,931. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILADELPHIA TAPESTRY MILLS, Philadelphia, Pa. Filed Nov. 6, 1924.

Apollo

Particular description of goods.—Cotton Plushes in the Piece for Drapery Purposes.

Claims use since Nov. 1, 1922.

Ser. No. 205,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. R. NEWELL & CO., Minneapolis, Minn. Filed Nov. 13, 1924.

Brown Betty



The picture of the girl is fanciful.

Particular description of goods.—Roasted Coffee.

Claims use since Oct. 27, 1924.

Ser. No. 205,288. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT MUSHER, doing business as Musher and Company, Washington, D. C. Filed Nov. 14, 1924.

OLYMPIC

TOMATOES

No claim is made to the word "Tomatoes" except in the association shown on the drawing.

Particular description of goods.—Canned Tomatoes.

Claims use since Nov. 13, 1924.

Ser. No. 205,303. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE CASTLE SYSTEM OF EATING HOUSES CORPORATION, Eldorado and Wichita, Kans., and Omaha, Nebr. Filed Nov. 14, 1924.

WHITE CASTLE

Particular description of goods.—Cooked Sausage.

Claims use since Jan. 1, 1921.

Ser. No. 205,328. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM FRUBLESKY, Hartford, Conn. Filed Nov. 15, 1924.



The portrait shown is that of applicant.

Particular description of goods.—Medicinal Preparation or Salve Used in the Treatment of Trachoma and Other Diseases of the Eye.

Claims use since Sept. 3, 1924.

Ser. No. 205,380. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WHITE DRUG COMPANY, Chicago, Ill. Filed Nov. 15, 1924.

"PINK-N-WHITE"

Particular description of goods.—Headache Tablets.

Claims use since September, 1924.

Ser. No. 205,433. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed Nov. 17, 1924.

NEW BRITAIN
AUTOMATIC

No claim is made to the exclusive use of the word "Automatic" apart from the mark shown.

Particular description of goods.—Automatic and Semi-automatic Screw and Chucking Machines.

Claims use since Sept. 12, 1924.

Ser. No. 205,688. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CONVEYOR CO., Los Angeles, Calif. Filed Nov. 22, 1924.

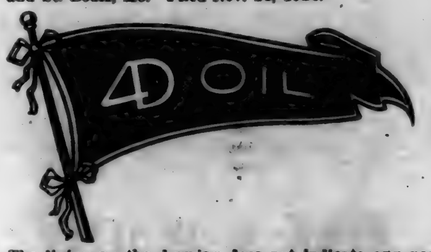


No claim is made for the words "Trade-Mark, Manufactured by, Los Angeles, Cal." nor for the representation of the roll apart from the mark as shown in the drawing.

Particular description of goods.—Conveyer Rolls.

Claims use since Sept. 12, 1924.

Ser. No. 205,777. (CLASS 15. OILS AND GREASES.) PIERCE PETROLEUM CORPORATION, Wilmington, Del., and St. Louis, Mo. Filed Nov. 24, 1924.



The lining on the drawing does not indicate any particular coloring. No claim is made herein to the word "Oil" except in connection with the mark as shown.

Particular description of goods.—Lubricating Oils, Particularly Petroleum-Product Oils.

Claims use since Nov. 3, 1924.

Ser. No. 205,832. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) INTERNATIONALE LABORATORIEN ARLESHEIM A. G., Arlesheim, Switzerland. Filed Nov. 25, 1924.

Gencydo

Particular description of goods.—Medicine for Hay Fever.

Claims use since March, 1923.

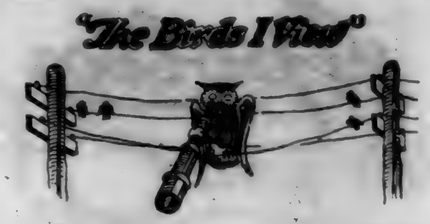
Ser. No. 206,063. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DETROIT AUTO VAC CORP., Detroit, Mich. Filed Dec. 1, 1924.

Auto-vac

Particular description of goods.—Suction Cleaner for All Inclosed Automobiles.

Claims use since Apr. 1, 1924.

Ser. No. 206,069. (CLASS 38. PRINTS AND PUBLICATIONS.) L. ALLEN HEINE, doing business as The Heine Service, Ltd., Louisville, Ky. Filed Dec. 1, 1924.



Particular description of goods.—Advertising Matter Sold as Such.

Claims use since Aug. 1, 1924.

Ser. No. 206,432. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN CO., Janesville, Wis. Filed Dec. 8, 1924.

FLEXOFOLD

Particular description of goods.—Fountain Pens.

Claims use since Nov. 14, 1924.

Ser. No. 206,481. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROSSE EFFROS CORPORATION, New York, N. Y. Filed Dec. 9, 1924.

FERMALT

Particular description of goods.—Dry Malt for Baking Purposes.

Claims use since Sept. 1, 1924.

Ser. No. 206,560. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OTIS C. EVERTON, doing business as Otis Everton Company, Chattanooga, Tenn. Filed Dec. 11, 1924.

Jonny-Ann!

Particular description of goods.—Candy.

Claims use since Nov. 8, 1924.

Ser. No. 206,589. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS. PARKS BROS. & ROGERS INC., Providence, R. I. Filed Dec. 11, 1924.

LINGERETTE

Particular description of goods.—Lingerie Clasps Made of Brass, Nickel, Silver, or Similar Nonprecious-Metal Ware.

Claims use since May, 1921.

Ser. No. 206,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIVERBANK CANNERS, INC., Riverbank, Calif. Filed Dec. 12, 1924.

SUN-RED

Particular description of goods.—Tomato Paste.

Claims use since Aug. 1, 1924.

Ser. No. 206,912. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH BOYD MOCK, Long Beach, Calif. Filed Dec. 18, 1924.

Mock's
CALCONA

Particular description of goods.—Preparation for the Treatment and Relief of Stomach Troubles.

Claims use since Apr. 6, 1923.

Ser. No. 207,052. (CLASS 37. PAPER AND STATIONERY.) AMERICAN REENFORCED PAPER COMPANY, Attleboro, Mass. Filed Dec. 22, 1924.

FIBREEN

Particular description of goods.—Reenforced Paper for Wrapping Packages and for Other Purposes.

Claims use since Aug. 1, 1921.

Ser. No. 207,060. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLAYNEY-MURPHY COMPANY, Denver, Colo. Filed Dec. 22, 1924.

SILVER SEAL

Particular description of goods.—Shortening.

Claims use since about Nov. 1, 1907.

Ser. No. 207,065. (CLASS 38. PRINTS AND PUBLICATIONS.) BUILDING AGE PUBLISHING CORPORATION, New York, N. Y. Filed Dec. 22, 1924.

Building Age
National Builder

Particular description of goods.—Monthly Magazine.

Claims use since November, 1924.

Ser. No. 207,078. (CLASS 39. CLOTHING.) HAMILTON, BROWN SHOE COMPANY, St. Louis, Mo. Filed Dec. 22, 1924.

Twinkies
Shoes for Boys and Girls

Applicant disclaims the words "Shoes for Boys and Girls" as a part of its trade-mark.

Particular description of goods.—Boys' and Girls' Leather and Fabric Shoes.

Claims use since Nov. 19, 1924.

Ser. No. 207,132. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) ROBERT H. HARTMAN, Baltimore, Md. Filed Dec. 23, 1924.

"At your Service"
Patch

No claim is made to the exclusive use of the word "Patch" except in association with the other features of the mark.

Particular description of goods.—Material to Patch Inner Tubes for Automobile Tires, Basket-Ball Bladders, Hot-Water Bottles, Gum Boots, Rubber Shoes, and Other Rubber Repair Work.

Claims use since July 1, 1924.

Ser. No. 207,200. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL ROOFING COMPANY, Boston, Mass. Filed Dec. 24, 1924.

Rooftite

Particular description of goods.—Plastic and Semiplastic Roofing Materials.

Claims use since Nov. 1, 1922.

Ser. No. 207,229. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) BURNHAM CHEMICAL COMPANY, Reno, Nev. Filed Dec. 26, 1924.

CINDERELLA

Particular description of goods.—Soaps, Soap Chips, Washing Powder, and Shaving Soap.

Claims use since Dec. 8, 1924.

Ser. No. 207,244. (CLASS 37. PAPER AND STATIONERY.) IRVING-PITT MANUFACTURING COMPANY, Kansas City, Mo. Filed Dec. 26, 1924.

LOOSE I-P LEAF

No claim is made herein to the words "Loose" and "Leaf" apart from the mark shown in the drawing. The mark consists of the hyphenated initials "I-P", with a parallelogram disposed on each side thereof, the word "Loose" being within the one on the left and the word "Leaf" being within the one on the right.

Particular description of goods.—Loose-Leaf Ring Binders, Loose-Leaf Sectional-Post Binders, Loose-Leaf Solid-Post Binders, Nonprotruding-Post Binders, Expanding-Post Flexible Folders; Catalogue Covers, in Particular Open-Back Catalogue Covers, Closed-Back Catalogue Covers, Telescoping-Back Catalogue Covers, Wing Catalogue Covers, Sectional-Post Catalogue Covers; Ledger Binders, in Particular End-Lock Sectional-Post Binders, Top-Lock Sectional-Post Binders, Columnar Binders, Sectional and Solid Post Storage Binders; Blank Index Tabs, Visible Index Holders, Visible-Index-Holder Sheets, Pressboard Guides, Calendar Sheets, Bond and Ledger Paper, Aluminum Sheet Holders; Sheet Holders, Double Hinge; Sheet Holders, Single Hinge; Adjustable Paper Punches, Cover Board; Special Loose-Leaf Binders, in Particular Cookbooks, Check Books, Stenographers' Notebooks, Student Notebooks, Price Books, Memo Books; Bookkeeping Systems—Namely, Loose-Leaf Books and Binders for the Forms Thereof, Duplicate-Statement Ledger Systems; Blank Forms, in Particular Clerks' Sales Summaries, Commercial Accounting Forms, Graphic Business Charts, Duplicate Bill and Charge Systems, Pay-Roll Sheets, City-Delivery Receipts, Invoice-Book Forms, Order Register, Order Blanks, Columnar Forms, Quotation Records, Duplicate Purchase Records, Receiving Slips, Claim Record, Meter Book, Stock Record, Inventory, Employees' Record, Minute Book, Insurance-Agents' Forms, Data-Book Forms, Daily-Business Forms, Statement Forms, Salesmens' Data-Book Forms, Salesmens' Expense Forms, Hotel-Register Forms, Hotel-Guest-Record Forms, Diary or Engagement Forms, Attorneys' Case Docket Forms, Attorneys' Collection Docket Forms, Automobile Salesmens' Forms, Prospect Sheets, Hospital-Patient's Record, Scoring Charts, Automobile Lubrication Charts; and Contractors' Systems and Forms—Namely, Cash Journal, Material Ticket, Material Report, Time Report, Daily Time Ticket, Cost Record, Stock Record; Real-Estate Listing Systems and Forms—Namely, Contract, Business Investment, Plat Sheets, Business Blocks, Residence Property, Vacant Lots; Systems for Real-Estate Offices and Forms Therefor—Namely, Abstract-Record Forms, Rental-Record Forms, Expiration-Record Forms, Combined Cash-Journal and Loan-Register Forms; Engineers' Books and Forms Therefor—Namely, Field-Book Forms, Transit-Book Forms, Level-Book Forms, and Cross-Section-Book Forms; Dentists' Ledger Outfit and Leaves Therefor, Physicians' Ledger Outfit and Leaves Therefor, Physicians' and Dentists' Ledgers (Pocket Style, Dentists' Appointment Books, Physicians' Case Records; Bank-Register Systems and Forms Therefor—Namely, Draft Register, Register of Cashiers' Checks Issued, Record of Checks Certified, Certificate of Deposit Register, Note Register, Collection Register, Discount Register, Stock-Holders' Register, Double Individual Register or Ledger, Tumble-Head Individual Ledger, Savings Ledger, Self-Indexing Savings Ledger, General Bank Ledger, General Journal, General Ledger Statement, Distribution of Expense, General Ledger Balances, Discount Journal, Liability Ledger, Real-Estate-Loan Register, Collateral Register, Bond Register, and Maturity Record of Notes Due; Machine Accounting Equipment—Namely, Tilting-Wing Transfer Trays, Expanding Trays, Leaf-Upsetting Devices for Expanding Trays, and Visible Desk Files.

Claims use since Jan. 1, 1905.

Ser. No. 207,251. (CLASS 38. PRINTS AND PUBLICATIONS.) NATIONAL AUTOMOBILE CLUB, San Francisco, Calif. Filed Dec. 26, 1924.

NATIONAL MOTORIST

Particular description of goods.—Weekly Publication.
Claims use since Sept. 13, 1924.

Ser. No. 207,255. (CLASS 37. PAPER AND STATIONERY.) THE PARKER PEN CO., Janesville, Wis. Filed Dec. 26, 1924.

DUOFLEX

Particular description of goods.—Fountain Pens.
Claims use since Dec. 10, 1924.

Ser. No. 207,389. (CLASS 32. FURNITURE AND UPHOLSTERY.) EUGENE G. LA BARRE, doing business as Sailzaid Company, Detroit, Mich. Filed Dec. 29, 1924.

SAILZAID

Particular description of goods.—Display Racks for Supporting Pamphlets, Post Cards, Sheet Music, and the Like.
Claims use since Nov. 15, 1924.

Ser. No. 207,539. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ACME PRODUCTS COMPANY, New Orleans and DeQuincy, La. Filed Jan. 2, 1925.

QUALITY ACME SERVICE

No rights are asserted to the exclusive use of the words "Quality" and "Service" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Pine Oil for Use in Metal Polishes, Cleansing Soaps, Clothes-Cleaning Preparations, and Washing Preparations.
Claims use since Oct. 15, 1922.

Ser. No. 207,617. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) COAST SPECIALTY COMPANY, Portland, Oreg. Filed Jan. 3, 1925.

COASTMOBILE

Particular description of goods.—Toy Wagons, Scooters, Children's Toy Cars, Coasters, and Wheelbarrows.
Claims use since July 1, 1924.

Ser. No. 207,754. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED B. NEUHOFF COMPANY, Los Angeles, Calif. Filed Jan. 6, 1925.

KERCO

Particular description of goods.—Canned Tunny Fish.
Claims use since June 10, 1924.

Ser. No. 207,775. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) BARNSTEAD STILL AND STERILIZER CO., Forest Hills, Mass. Filed Jan. 7, 1925.

1878

BARNSTEAD STILL AND STERILIZER CO

Particular description of goods. Apparatus for Sterilizing Surgical and Dental Instruments.
Claims use since Sept. 8, 1924.

Ser. No. 207,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RICHARD & PRICE, San Francisco, Calif. Filed Jan. 8, 1925.

Chlorine

KILACOLD

Bomb

No claim is made to the word "Chlorine" apart from the mark as shown in the drawing.

Particular description of goods.—Vessel Containing a Charge of Chlorine Gas for Use in the Treatment of Surface Infections of the Respiratory Tract, Such as Colds, Influenza, Whooping Cough, Bronchitis, Croup, and Conditions Existing in the Respiratory Tract of Diphtheria Carriers.
Claims use since Dec. 20, 1924.

Ser. No. 207,966. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CAROLINA COTTON & WOOLEN MILLS COMPANY, Spray, N. C. Filed Jan. 12, 1925.

DRAPER

Particular description of goods.—Cotton Blankets.
Claims use since Oct. 24, 1923.

Ser. No. 208,091. (CLASS 25. LOCKS AND SAFES.) THE W. BINGHAM COMPANY, Cleveland, Ohio. Filed Jan. 14, 1925.

XLCR

The trade-mark consists of the letters "XLCR" traversed by an arrow.

Particular description of goods.—Padlocks.
Claims use since Nov. 1, 1904.

Ser. No. 208,151. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FRED. W. KIEFER CO., Kirkwood, Mo. Filed Jan. 15, 1925.

HONEYGIRL

Trade-mark consists of the words "Honey Girl."
Particular description of goods.—Razors and Shears.
Claims use since Dec. 2, 1924.

Ser. No. 208,181. (CLASS 38. PRINTS AND PUBLICATIONS.) THE RONNEY-BROWN CORPORATION, Chicago, Ill. Filed Jan. 16, 1925.

The Scarab
Business Building Ideas for Progressive Newspapers

No claim is made to the exclusive use of the words "Business Building Ideas for Progressive Newspapers" apart from the mark shown on the drawing.
Particular description of goods.—Monthly Publication.
Claims use since Jan. 2, 1925.

Ser. No. 208,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MALAGA PACKING COMPANY, Fresno, Calif. Filed Jan. 16, 1925.

FLORESCA

Particular description of goods.—Dried Fruits—Namely, Raisins.
Claims use since September, 1903.

Ser. No. 208,230. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DETROIT GRAPHITE COMPANY, Detroit, Mich. Filed Jan. 17, 1925.

SUNGARD

Particular description of goods.—Aluminum Paint for Metal and Other Surfaces.
Claims use since Dec. 20, 1924.

Ser. No. 208,251. (CLASS 15. OILS AND GREASES.) NATIONAL OIL COMPANY, INC., Richmond, Va. Filed Jan. 17, 1925.

NATIONAL
QUALITY PRODUCTS OF PETROLEUM SERVICE
OIL COMPANY, INC.

The words "Quality," "Service," and "Products of Petroleum" are not claimed apart from the other features of the mark.
Particular description of goods.—Petroleum Products—Namely, Oils for Burning and All Lubricating Purposes, Motor and Fuel Oils, Gasoline, and Lubricating Greases.
Claims use since April, 1922.

Ser. No. 208,273. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Jan. 19, 1925.

"BAYER COMPOUND"

Applicant makes no claim in this application to any right of registration under the statute of the word "Compound" when separated from "Bayer."
Particular description of goods.—Insecticides, Fungicides, Rodenticides, Economic Poisons, and Disinfectants.
Claims use since Dec. 6, 1924.

Ser. No. 208,274. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BAYER COMPANY, INC., New York, N. Y. Filed Jan. 19, 1925.

"BAYER DUST"

Applicant makes no claim to any right of registration under the statute of the word "Dust" when separated from "Bayer."
Particular description of goods.—Insecticides, Fungicides, Rodenticides, Economic Poisons, and Disinfectants.
Claims use since Dec. 6, 1924.

Ser. No. 208,388. (CLASS 32. FURNITURE AND UPHOLSTERY.) WESTERN BLIND & SCREEN CO., Pasadena and Los Angeles, Calif. Filed Jan. 20, 1925.

WESTERN VENETIAN BLIND

The words "Venetian Blind" are disclaimed apart from the mark shown.
Particular description of goods.—Window Blinds.
Claims use since May 1, 1915.

Ser. No. 208,423. (CLASS 38. PRINTS AND PUBLICATIONS.) H. F. SCHALDACH, San Francisco, Calif. Filed Jan. 21, 1925.

The Model Kitchen and the Home

Particular description of goods.—Newspaper Section.
Claims use since July 4, 1922.

Ser. No. 208,433. (CLASS 28. BROOMS, BRUSHES, AND DUSTERS.) ADOLPHE SCHLOSS FILS & CIE., Paris, France. Filed Jan. 21, 1925.



Particular description of goods.—Toothbrushes, Hairbrushes, and Powder Puffs.
Claims use since Dec. 1, 1924.

Ser. No. 208,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOAQUIN IRIONDO AZUMENDI, Ondarroa, Spain. Filed Jan. 22, 1925.



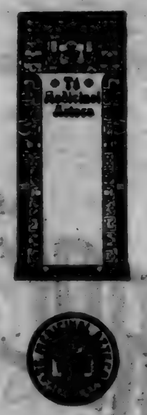
No rights are asserted to the exclusive use of the word "Brand" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Canned Fish in Olive Oil, Salt, Vinegar, and in Pickle.
Claims use since 1915.

Ser. No. 208,471. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE N. LEWIS, doing business as Elizabeth Arden, New York, N. Y. Filed Jan. 22, 1925.



The exclusive use of the words "Liquid Cosmetique" is disclaimed apart from the mark shown on the drawing. The drawing is lined to indicate pink for the background and gold for the frame.
Particular description of goods.—Eyelash Lotion.
Claims use since May 1, 1923.

Ser. No. 208,549. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ASOCIACION CULTIVADORA DEL TE AZTECA, Mexico, Mexico. Filed Jan. 24, 1925.



No claim is made to the words "Te Medicinal" apart from the mark as shown in the drawing.
Particular description of goods.—Medicinal Tea for Stomach, Liver, and Kidney Diseases.
Claims use since Feb. 25, 1924.

Ser. No. 208,611. (CLASS 38. PRINTS AND PUBLICATIONS.) WILL L. AND LEO T. ROBINSON, Union City, Mich. Filed Jan. 24, 1925.

INTERNATIONAL
PLYMOUTH ROCK
JOURNAL

Devoted exclusively to the Plymouth Rocks and all Breeders thereof

No claim is made to the descriptive phrase "Devoted Exclusively to the Plymouth Rocks and All Breeders Thereof" apart from the mark shown. Trade-mark "International Plymouth Rock Journal."

Particular description of goods.—Monthly Magazine.
Claims use since June 1, 1908.

Ser. No. 208,626. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) H. WEDEKIND & CO., INC., Louisville, Ky. Filed Jan. 24, 1925.

ROLLING FORK

Particular description of goods.—Corn Sirup; Canned Fruits—Namely, Peaches; Canned Vegetables—Namely, Peas; Canned Fish—Namely, Salmon; Meats—Namely, Cooked Corn Beef; Cereals—Namely, Rolled Oats.
Claims use since October, 1919.

Ser. No. 208,660. (CLASS 38. PRINTS AND PUBLICATIONS.) THE KEYSTONE PUBLISHING COMPANY, Philadelphia, Pa. Filed Jan. 26, 1925.

Treasures

Particular description of goods.—Monthly Publication.
Claims use since Jan. 1, 1925.

Ser. No. 208,681. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SHERRIFF-GOSLIN CO., Battle Creek, Mich. Filed Jan. 26, 1925.

KARDEEN

Particular description of goods.—Paint Cleaner.
Claims use since Sept. 16, 1920.

Ser. No. 208,726. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERT W. SISK & SON, Preston, Md. Filed Jan. 27, 1925.

PINE CONE

Particular description of goods.—Canned Peaches, Apples, Pears, Stringless Beans, Lima Beans, Corn, Sweet Potatoes, Tomatoes, and Tomato Products.
Claims use since Jan. 20, 1925.

Ser. No. 208,727. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUMNER'S TY.PHOO TEA LTD., Birmingham, England. Filed Jan. 27, 1925.



No claim is made for "The Tea with That Nice Nutty Taste so Pure & Good for Indigestion. Ty.Phoo is so mild & pure it may be taken where others disagree. The Original Tipps Real Leaf Edge. This is the tea so good for indigestion. You save on every lb. you buy as clearly shown on left hand side panel" apart from the mark shown in the drawing.

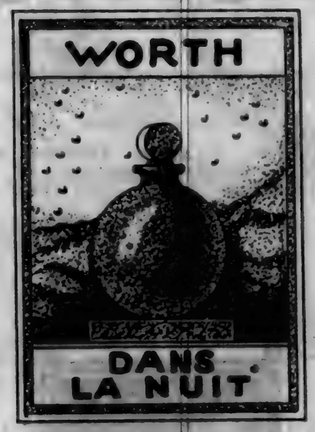
Particular description of goods.—Tea.
Claims use since 1922.

Ser. No. 208,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUMNER'S TY.PHOO TEA LTD., Birmingham, England. Filed Jan. 27, 1925.

TY.PHOO

Trade-mark consists of the word "Ty.Phoo."
Particular description of goods.—Tea.
Claims use since 1904.

Ser. No. 208,750. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Jan. 28, 1925.



Particular description of goods.—Soaps.
Claims use since Mar. 10, 1924.

Ser. No. 208,752. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Jan. 28, 1925.



Particular description of goods.—Soaps.
Claims use since Mar. 10, 1924.

Ser. No. 208,753. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Jan. 28, 1925.



Particular description of goods.—Soaps.
Claims use since Mar. 10, 1924.

Ser. No. 208,771. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL PECAN GROVES COMPANY, Washington, D. C. Filed Jan. 28, 1925.



The pictorial representation of a pecan nut and the words "Pee-Kan" (pecan) are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Pecan Nuts in Their Natural State.
Claims use since Jan. 22, 1925.

Ser. No. 208,828. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SCHWARTS ENTERPRISES, INC., New York, N. Y. Filed Jan. 29, 1925.

Schwarts

The trade-mark comprises the surname of Isadore Schwarts, president of the corporation.

Particular description of goods.—Moving Pictures Produced for Exhibition Purposes.
Claims use since Jan. 2, 1925.

Ser. No. 208,857. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LIGHTFOOT SCHULTZ COMPANY, Hoboken, N. J. Filed Jan. 30, 1925.

ELESCO

Particular description of goods.—Laundry Soaps, Toilet Soaps, Shaving Sticks, Shaving Powders, Shaving Creams to be Used Before Shaving, and Shaving Cakes.
Claims use since Jan. 8, 1925.

Ser. No. 208,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. T. CLARK, Nashville, Tenn. Filed Jan. 31, 1925.



"Sixty Second Service"

The words "Sixty Second Service" not being claimed apart from the other features of the mark.
Particular description of goods.—Sandwiches, Fruit Salads, Fish Salads, and Meat Salads, and Candy.
Claims use since Nov. 4, 1924.

Ser. No. 208,926. (CLASS 38. PRINTS AND PUBLICATIONS.) PEOPLES FINANCE & THRIFT CO. OF AMERICA, Los Angeles, Calif. Filed Jan. 31, 1925.



The word "System" is disclaimed apart from the mark.
Particular description of goods.—Monthly Publication.
Claims use since June 1, 1924.

Ser. No. 208,932. (CLASS 23, CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) DAVID BESWICK, Brooklyn, N. Y. Filed Feb. 2, 1925.

Solite

Particular description of goods.—Sewing Machines.
Claims use since Dec. 20, 1924.

Ser. No. 209,098. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. T. MULLEN, French Camp, Stockton, Calif. Filed Feb. 4, 1925.



The words "Windshield Preparation" and "Keep Your Windshield Clear" are disclaimed apart from the mark shown.
Particular description of goods.—Preparation for Application to Windshields of Motor Vehicles for Maintaining a Clear Vision Therethrough During Foggy and Rainy Weather.
Claims use since Sept. 25, 1922.

Ser. No. 209,120. (CLASS 37. PAPER AND STATIONERY.) CENTRAL PAPER COMPANY, Menasha, Wis. Filed Feb. 5, 1925.

HANDIROLL

Particular description of goods.—Shelf Paper, Drawing Paper, Wrapping Paper, Lining Paper, and Wax Paper.
Claims use since September, 1923.

Ser. No. 209,178. (CLASS 37. PAPER AND STATIONERY.) ISIDOR ROSEN, doing business as Rosebud Art Co., New York, N. Y. Filed Feb. 6, 1925.



Particular description of goods.—Series of Drawing-Lesson Books.
Claims use since Jan. 15, 1925.

Ser. No. 209,193. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ANCHOR STOVE AND RANGE CO., New Albany, Ind. Filed Feb. 7, 1925.

QUEEN ANNE

Particular description of goods.—Coal Cabinet Heaters.
Claims use since December, 1924.

Ser. No. 209,204. (CLASS 12. CONSTRUCTION MATERIALS.) JESSE G. CROLL, doing business as Jesse G. Croll & Son, Philadelphia, Pa. Filed Feb. 7, 1925.

ROLLS
PIPE DOPE

The exclusive right to the use of the words "Pipe Dope" is hereby disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Sealing Compound for Use on the Threads of Pipes.
Claims use since about Sept. 8, 1924.

Ser. No. 209,209. (CLASS 37. PAPER AND STATIONERY.) JOSEPH A. DINKLER, Oklahoma City, Okla. Filed Feb. 7, 1925.

TITLE EM

Particular description of goods.—Picture Mounts.
Claims use since October, 1923.

Ser. No. 209,257. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JOHN J. VAEN BUHLER, Detroit, Mich. Filed Feb. 7, 1925.



Particular description of goods.—Rust Removing and Preventing Compound.
Claims use since Jan. 8, 1925.

Ser. No. 209,283. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) EDUCATIONAL SERVICE, INC., Cleveland, Ohio. Filed Feb. 9, 1925.

VISIGRAPH

Particular description of goods.—Drawing Instruments and Materials—Namely, Pantographs and Drawing Boards.
Claims use since Jan. 15, 1925.

Ser. No. 209,285. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) EUGENE LTD., New York, N. Y. Filed Feb. 9, 1925.

EUGÈNEOL

Particular description of goods.—Sachets or Devices for Use in Permanent Hair Waving and Containing Hair-Treating Compounds or Materials.
Claims use since Jan. 9, 1925.

Ser. No. 209,287. (CLASS 38. PRINTS AND PUBLICATIONS.) FAWCETT PUBLICATIONS, INC., doing business as Paris Publishing Co., Robbinsdale, Minn. Filed Feb. 9, 1925.

PARIS

Particular description of goods.—Monthly Publication
Claims use since Feb. 2, 1925.

Ser. No. 209,290. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FUJI TRADING COMPANY, Chicago, Ill. Filed Feb. 9, 1925.

Fuji

Particular description of goods.—Canned Chow Mein Noodles, Bean Sprouts, Chop-Suey Vegetables, Bead Molasses (a Molasses Made of Beans and Sugar and Used in Flavoring and Seasoning Foods), and Sho-Yu Sauce.
Claims use since Nov. 15, 1924.

Ser. No. 209,295. (CLASS 37. PAPER AND STATIONERY.) LESLIE P. HUBY, St. Louis, Mo. Filed Feb. 9, 1925.



"Thought Recorder"

Particular description of goods.—Memorandum Books, Including Loose-Leaf Covers and Fillers.
Claims use since Jan. 9, 1925.

Ser. No. 209,321. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., Ilion and New York, N. Y. Filed Feb. 9, 1925.



No claim is made to the word "Express" apart from the distinctive features of the mark as shown.
Particular description of goods.—Ammunition.
Claims use since Nov. 12, 1924.

Ser. No. 209,337. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Feb. 10, 1925.

ALGODIN

Particular description of goods.—Product of Mineral Constituents of Marine Plants in Dry Powder Form Designed for the Treatment of Diseases, Disorders of Metabolism Attributable to Deficiency of Mineral Constituents, Notably Calcium, Iodine. It may be Used in the Form of a Sterile Isotonic Solution, Particularly Suitable as a Vehicle for Medicinal Substances by Hypodermic Injection.
Claims use since Jan. 19, 1925.

Ser. No. 209,363. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PYO-REM CHEMICAL COMPANY, Los Angeles, Calif. Filed Feb. 10, 1925.

PYO-REM

Particular description of goods.—Preparation for the Treatment of Pyorrhea.
Claims use since early part of 1915.

Ser. No. 209,371. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SWAN-MYERS COMPANY, Indianapolis, Ind. Filed Feb. 10, 1925.

KERAKOTE

Particular description of goods.—Capsules and Tablets Coated with Keratin Composition. The Capsules and Tablets Coated with a Keratin Composition are Enteric Divided-Dosage Preparations, the Coating Being Designed Especially to Resist Solution in the Fluids of the Stomach, but to Dissolve in the Fluids of the Intestines, and Thus to Carry Through the Stomach and into the Intestines the Contents of the Coated Capsule or Tablet, Whereby Medicinal Products That May be Destroyed or Impaired if Released While in the Stomach are not Released Until the Capsule or Tablet Reaches the Intestines.
Claims use since Jan. 1, 1923.

Ser. No. 209,401. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE GREAT AMERICAN TEA COMPANY, doing business as The Great American Laboratories, Brooklyn, N. Y. Filed Feb. 11, 1925.

Golden Key

Particular description of goods.—Almond Cream, Cold Cream, Witch-Hazel Cream, Peroxide Cream, Toilet Water, Perfume, Bay-Rum Lotion, Liquid Shampoo, Lemon Lotion, Face Powder, Talcum Powder, Coconut-Oil Shampoo.
Claims use since Oct. 4, 1924, on all articles named in statement except as follows: witch-hazel, since Sept. 8, 1924; dental cream, since July 30, 1924; baking powder, since Sept. 6, 1924; salt, since June 30, 1924; powdered ammonia, since May 3, 1924.

Ser. No. 209,425. (CLASS 38. PRINTS AND PUBLICATIONS.) OIL TRADE JOURNAL, INC., New York, N. Y. Filed Feb. 11, 1925.

The Oil Trade

Particular description of goods.—Monthly Magazine.
Claims use since Sept. 1, 1924.

Ser. No. 209,475. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. S. HINDS CO., Portland, Me. Filed Feb. 12, 1925. Under ten-year proviso.

HINDS CREAM

Particular description of goods.—Cream for the Face, Hands, Skin, and Complexion.
Claims use since about December, 1870.

Ser. No. 209,492. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) NICKSON SALES COMPANY, Dallas, Tex. Filed Feb. 12, 1925.



No claim is made to the words "Nickson's Grease Solvent" apart from the mark.
Particular description of goods.—Powder for Dissolving Grease.
Claims use since Jan. 1, 1923.

Ser. No. 209,496. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PYRATE CORPORATION, Portland, Oreg. Filed Feb. 12, 1925.



Particular description of goods.—Cleaner in Powder Form for Dishwashing, Pots, Pans, Milk Bottles, Clothes Washing, Fine Fabrics, Laces, Woodwork, Windows, Furniture, Washbowls, Toilets, Bathtubs, and Hairbrushes.
Claims use since Sept. 1, 1924.

Ser. No. 209,519. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WONDER MANUFACTURING CO., doing business as Burney & Good Manufacturing Co., Long Beach, Calif. Filed Feb. 12, 1925.

O-U CLEANER

The descriptive word "Cleaner" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Household Cleaner, Hand Cleaner, and Metal Cleaner.
Claims use since November, 1924.

Ser. No. 209,528. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARROW BROTHERS, Philadelphia, Pa. Filed Feb. 13, 1925.

Mountaino

Particular description of goods.—Butter, Canned Fruits, Canned Vegetables, Pickles, Catchup, Pickle Relishes, Canned Pork and Beans, Pepper, Mayonnaise Dressing, Mustard, Mincemeat, and Apple Butter.
Claims use since May, 1915.

Ser. No. 209,535. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MAIER BREWING COMPANY, INC., Los Angeles, Calif. Filed Feb. 13, 1925.



Trade-mark drawing is lined for red and green.
Particular description of goods.—Cereal Malt Tonic Beverage.
Claims use since about Jan. 1, 1894.

Ser. No. 209,536. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) MAIER BREWING COMPANY, INC., Los Angeles, Calif. Filed Feb. 13, 1925.



Trade-mark drawing is lined for red and green.
Particular description of goods.—Malt Beverages.
Claims use since about Jan. 1, 1894.

Ser. No. 209,537. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MASSILLON-CLEVELAND-AKRON SIGN CO., Massillon, Ohio. Filed Feb. 13, 1925.

Rhino-Fiber

Particular description of goods.—Advertising Signs Which are Printed, Lithographed, Painted, Stamped, or Marked on Sheet Material.
Claims use since Feb. 2, 1925.

Ser. No. 209,548. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ROCKCOAT PAINT CORPORATION, Toledo, Ohio. Filed Feb. 13, 1925.

ROCKDAT

Particular description of goods.—Paste, Mixed, and Dry Paints; Varnishes, Varnish Materials, Undercoat Materials, Lacquers, Stains, and Driers, Enamels, Pigments, and Fillers in the Nature of Paints.
Claims use since Feb. 2, 1925.

Ser. No. 209,557. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Feb. 14, 1925.

HEX-LOK

Particular description of goods.—Prepared Roofing Shingles.
Claims use since Feb. 10, 1925.

Ser. No. 209,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) OTTO F. LOUIS, Bay City, Mich. Filed Feb. 14, 1925.

NOVET

Particular description of goods.—Medical Tablets to Prevent Bed Wetting.
Claims use since Dec. 17, 1924.

Ser. No. 209,582. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MATZGER CHOCOLATE COMPANY, San Francisco, Calif. Filed Feb. 14, 1925.

Matzger's
Matzger's WHYNOT BAR HAVE ONE
Matzger's

No claim is made to the words "Bar" and "Have One" apart from the mark shown.
Particular description of goods.—Candy Bars.
Claims use since June 28, 1922.

Ser. No. 209,602. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. AUERBACH & SONS, New York, N. Y. Filed Feb. 16, 1925. Under ten-year proviso.

AUERBACH

Particular description of goods.—Candies.
Claims use since May 1, 1883.

Ser. No. 209,622. (CLASS 38. PRINTS AND PUBLICATIONS.) BENEVOLENT AND PROTECTIVE ORDER OF ELKS OF THE UNITED STATES OF AMERICA, New York, N. Y. Filed Feb. 16, 1925.

The Elks Magazine

The word "Magazine" appearing on the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since June 1, 1922.

Ser. No. 209,623. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CONTINENTAL SCALE WORKS, Chicago, Ill. Filed Feb. 16, 1925.



No claim is made to the scales shown in the drawing apart from the mark.
Particular description of goods.—Weighing Scales.
Claims use since July, 1920.

Ser. No. 209,624. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CONTINENTAL SCALE WORKS, Chicago, Ill. Filed Feb. 16, 1925.



No claim is made to the word "Scale" or to the representation of the scales on the drawing apart from the mark shown.
Particular description of goods.—Weighing Scale.
Claims use since June, 1924.

Ser. No. 209,669. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS ASBESTOS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 16, 1925.

THE MINERAL CORK

Particular description of goods.—Insulating Material Adapted to be Combined with Water and Thereafter to Expand and Hydraulically Set to Form a Rigid Cellular Structure.
Claims use since July 1, 1923.

Ser. No. 209,673. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MILLER & HOUGHTON, INC., New York, N. Y. Filed Feb. 16, 1925.

DIXIE

Trade-mark consists of the word "Dixie."
Particular description of goods.—Dentifrices in Powder, Cream, Paste, or Liquid Form.
Claims use since about January, 1892.

Ser. No. 209,678. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MUSKEGON MACHINE CO., Muskegon, Mich. Filed Feb. 16, 1925.



The trade-mark drawing expresses the color red.
Particular description of goods.—Woodworking Machines.
Claims use since Oct. 1, 1919.

Ser. No. 209,680. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) HORACE FALK NEUMEYER, Macungie, Pa. Filed Feb. 16, 1925.

AIR-E-O

Trade-mark consists of the word "Air-E-O."
Particular description of goods.—Ventilators for Producing a Draft.
Claims use since Oct. 24, 1924.

Ser. No. 209,684. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OMAHA COLD STORAGE COMPANY, Omaha, Nebr. Filed Feb. 16, 1925.

OCS Ocoma

Particular description of goods.—Fresh Dressed Poultry, Butter, and Eggs.
Claims use since June 1, 1924.

Ser. No. 209,691. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.



No claim is made to the word "Paris" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, and Dentifrices.
Claims use since 1922.

Ser. No. 209,692. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.



No claim is made to the word "Paris" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, and Dentifrices.
Claims use since 1898.

Ser. No. 209,697. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PAUL PROT & CIE., doing business as Parfumerie Lubin, Paris, France. Filed Feb. 16, 1925.



No claim is made to the word "Creme" apart from the mark shown.
Particular description of goods.—Perfume, Toilet Water, Face Creams, Brilliantine, Rouges, Eau de Cologne, Lotions for the Skin and Hair, Bath Salts, Dentifrices, Face Powder, and Talcum Powder.
Claims use since 1912.

Ser. No. 209,700. (CLASS 39. CLOTHING.) SCHAFFER BROS. & SAMUELS, New York, N. Y. Filed Feb. 10, 1925.



No rights are asserted to the exclusive use of the words "Trade-Mark" apart from the mark as shown in the drawing.
Particular description of goods.—Fur Garments—Namely, Coats, Capes, and Jackets for Women and Misses.
Claims use since Sept. 18, 1924.

Ser. No. 209,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. S. HINDS CO., Portland, Me. Filed Feb. 17, 1925.



The picture is that of Maud A. Beers.
Particular description of goods.—Cream for the Face, Hands, Skin, Complexion, Face Powder, and Toilet Powder.
Claims use since about 1911.

Ser. No. 209,748. (CLASS 32. FURNITURE AND UPHOLSTERY.) PROGRESSIVE TABLE CO. INC., New York and Brooklyn, N. Y. Filed Feb. 17, 1925.



Particular description of goods.—Household Tables.
Claims use since Feb. 3, 1924.

Ser. No. 209,784. (CLASS 37. PAPER AND STATIONERY.) GLOBE STAMP & SEAL CO., Little Rock, Ark. Filed Feb. 18, 1925.



Particular description of goods.—Rubber Stamps.
Claims use since Dec. 10, 1924.

Ser. No. 209,811. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) PRECISION CASTINGS COMPANY, INC., Syracuse and Fayetteville, N. Y. Filed Feb. 18, 1925.

"NICKALUM"

Particular description of goods.—Metal Alloy in Bars, Ingots, or Castings.
Claims use since Aug. 21, 1923.

Ser. No. 209,816. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMILIUS F. RASMUSSEN, doing business as Ras-Mussen Co., Jamestown, N. Y. Filed Feb. 18, 1925.



The word "Mayonnaise" is disclaimed apart from the mark as is shown in the drawing. The lining is to represent the color green. No claim, however, is made to this color scheme.
Particular description of goods.—Dressing Comprising Eggs, Oil, Vinegar, Salt, Sugar, and Spices, and a Sandwich Filler Comprising Vegetables, Eggs, Oil, Vinegar, Salt, Sugar, and Spices.
Claims use since Aug. 15, 1920.

Ser. No. 209,817. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHARP & DOHME, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; Philadelphia, Pa. Filed Feb. 18, 1925.

FEROMA

Particular description of goods.—General Tonic Particularly for Treating Cases of Impoverished-Blood Conditions.
Claims use since Apr. 1, 1921.

Ser. No. 209,829. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHESEBROUGH MANUFACTURING CO., CONSOLIDATED, New York, N. Y. Filed Feb. 19, 1925.

CHESEBROUGH'S
Vaseline
"ЧИЗБРО"-ВАЗЕЛИН

The Russian words appearing on the drawing are the equivalent of the English words.
Particular description of goods.—Petroleum Jelly and Preparations Thereof.
Claims use since June 14, 1913.

Ser. No. 209,843. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Feb. 19, 1925.

PENWICK PEAS

Applicant disclaims the exclusive right to the use of the word "Peas" apart from the mark as shown.
Particular description of goods.—Canned Peas.
Claims use since Jan. 19, 1925.

Ser. No. 209,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PETERSEN, KELLER & SHUMWAY, INC., Omak, Wash. Filed Feb. 19, 1925.

SURE HIT
OMAK

The drawing is lined for shading purposes only, and the name is disclaimed apart from the other features of the mark as shown.
Particular description of goods.—Fruit in Its Natural State.
Claims use since January, 1922.

Ser. No. 209,874. (CLASS 15. OILS AND GREASES.) SCHAUMBURG TRADING CO., INC., New York, N. Y. Filed Feb. 19, 1925.

PREVENTOL

Particular description of goods.—Gun Oil.
Claims use since Feb. 11, 1925.

Ser. No. 209,876. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SMOOTH-ON MANUFACTURING COMPANY, Jersey City, N. J. Filed Feb. 19, 1925.

SMOOTH-ON

Particular description of goods.—Pipe Clamps.
Claims use since Nov. 15, 1924.

Ser. No. 209,943. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SALINA POULTRY COMPANY, Salina, Kans. Filed Feb. 20, 1925.

GEM

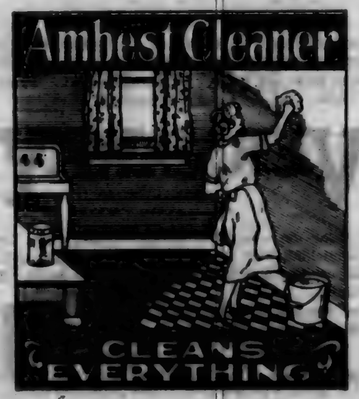
Particular description of goods.—Dressed Poultry.
Claims use since August, 1913.

Ser. No. 209,956. (CLASS 33. GLASSWARE.) THE X-CEL-ALL CO., LTD., Monaco, Pa. Filed Feb. 20, 1925.

X-CEL-ALL
SUPRA-WYTE
GLASS

No claim is made herein to the exclusive right to the word "Glass" apart from the mark shown in the drawing.
Particular description of goods.—Electric-Light Globes Made of Glass.
Claims use since May 5, 1924.

Ser. No. 209,977. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY F. COOX, doing business as Ambest Cleaner Co., Detroit, Mich. Filed Feb. 21, 1925.



Disclaimer is made to the words "Cleaner" and "Cleans Everything" apart from the mark shown.
Particular description of goods.—Washing Powders Used for General Cleaning Purposes.
Claims use since July 1, 1921.

Ser. No. 210,008. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PYRAMID OIL COMPANY, Minneapolis, Minn. Filed Feb. 21, 1925.

Vanite

Trade-mark consists of the word "Vanite."
Particular description of goods.—Washing Powder.
Claims use since Apr. 28, 1920.

Ser. No. 210,031. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Olneyville, Providence, R. I. Filed Feb. 24, 1925.

RADEEN

Particular description of goods.—Worsted Piece Goods.
Claims use since November, 1924.

Ser. No. 210,032. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS. ATLANTIC MILLS, Olneyville, Providence, R. I. Filed Feb. 24, 1925.

FLASHA

Particular description of goods.—Worsted Piece Goods.
Claims use since November, 1924.

Ser. No. 210,052. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE IRVIN T. FANGBONER CO., Bellevue, Ohio. Filed Feb. 24, 1925.

PINE KNOT

Particular description of goods.—Coal.
Claims use since on or before Jan. 1, 1923.

Ser. No. 210,080. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JAMES M. SELDEN, doing business as So No Mor Manufacturing Company, Pittsburgh, Pa. Filed Feb. 24, 1925.

BOWOMOR

Particular description of goods.—Implements for Trussing or Securing the Parts of Poultry During Cooking.
Claims use since June 24, 1924.

Ser. No. 210,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KANSAS CITY PECTIN CO. INC., Kansas City, Mo. Filed Feb. 26, 1925.

For-Jel

Particular description of goods.—Fruit Pectin Product in Making Jellies and Jams.
Claims use since Nov. 14, 1922.

Ser. No. 210,201. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) UNIVERSAL PICTURES CORPORATION, New York, N. Y. Filed Feb. 26, 1925.



No claim is made to the word "Picture" except as used with the other features of the mark.
Particular description of goods.—Moving Pictures.
Claims use since Jan. 14, 1925.

Ser. No. 210,208. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) T. B. WOOD'S SONS COMPANY, Chambersburg, Pa. Filed Feb. 26, 1925.

U.G.

Particular description of goods.—Power-Transmission Appliances—That Is, Bearings, Base Plates, Belt-Shifting Appliances, Belt Tighteners, Binder Frames, Brackets, Bracket Hangers, Bushings, Clamps, Countershafts, Couplings, Flat Boxes, Floor Stands, Friction Clutches, Guide Pulleys, Hangers, Journal Boxes, Jaw Clutches, Mule-Pulley Stands, Oil Cups, Pillow Blocks, Post Boxes, Pulleys, Quill Drives, Rope Transmission, Set Collars, Shafting, Shifters, Sleeves for Fire Walls, Tension Carriages, Wall Brackets, Wall Frames, Yokes and Fulcrums, and Automatic Belt Adjusters for Short Center Belt Drives.
Claims use since Mar. 30, 1903.

Ser. No. 210,242. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LUCKY TIGER REMEDY CO., Kansas City, Mo. Filed Feb. 27, 1925.



Particular description of goods.—Face Lotion or Remedy Intended for After Shaving and Healing of Facial Eruptions, Pimples, and Other Facial Disorders.
Claims use since early November, 1924.

Ser. No. 210,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHORES-MUELLER CO., Cedar Rapids, Iowa. Filed Feb. 27, 1925.

VERMAWAY

Particular description of goods.—Odoriferous, Poisonous, Germicidal, and Plant-Nourishing Compositions for Repelling Animate Attackers of Planted Seeds, Roots, and Plants.
Claims use since Feb. 2, 1925.

Ser. No. 210,266. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD P. BOSSON, doing business as Bosson & Lane, Atlantic, Mass. Filed Feb. 28, 1925.

-VICTROLYN-

Particular description of goods.—Sizing Compounds for Textiles.
Claims use since Feb. 8, 1913.

Ser. No. 210,280. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

GAGE

Particular description of goods.—Collars.
Claims use since Dec. 22, 1922.

Ser. No. 210,286. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925.

PELL

Particular description of goods.—Collars.
Claims use since Dec. 28, 1922.

Ser. No. 210,288. (CLASS 38. PRINTS AND PUBLICATIONS.) CODE USERS, INC., New York, N. Y. Filed Feb. 28, 1925.

INTERNATIONAL REGISTER
of TELEGRAPHIC and TRADE ADDRESSES

Particular description of goods.—Book Which Is Published Annually.
Claims use since Feb. 1, 1924.

Ser. No. 210,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRITZSCHE BROTHERS, INC., New York, N. Y. Filed Feb. 28, 1925.

PELARGOL

Particular description of goods.—Essential Oils Suitable for Use in the Production of Soaps, Perfumes, and Toilet Preparations.
Claims use since April, 1910.

Ser. No. 210,356. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy N. Y. Filed Mar. 2, 1925.

DRAKE

Particular description of goods.—Collars.
Claims use since June 8, 1922.

Ser. No. 210,389. (CLASS 38. PRINTS AND PUBLICATIONS.) HEDMAN MANUFACTURING COMPANY, Chicago, Ill. Filed Mar. 2, 1925.

The Sales Force

The horizontal lining on certain letters of the trademark as shown in the drawing is merely shading.
Particularly description of goods.—Semimonthly Periodical Devoted to Salesmen, Merchandising Facts, and Selling Methods.
Claims use since October, 1921.

Ser. No. 210,406. (CLASS 38. PRINTS AND PUBLICATIONS.) P. M. REED, Chicago, Ill. Filed Mar. 2, 1925.

CHEER
Puts Joy in Living

The lining of the drawing is for the purpose of shading only and does not indicate color.
Particular description of goods.—Magazine Published Monthly.
Claims use since Oct. 1, 1924.

Ser. No. 210,436. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASSOCIATED FRUIT COMPANY, Delta, Colo. Filed Mar. 3, 1925.

TOMAHAWK

Particular description of goods.—Fresh Apples.
Claims use since 1914.

Ser. No. 210,441. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUNTE BROTHERS, Chicago, Ill. Filed Mar. 3, 1925.

Coradova

Particular description of goods.—Candy.
Claims use since Dec. 15, 1924.

Ser. No. 210,444. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE CAROLINA CLUB COMPANY, Rock Hill, S. C. Filed Mar. 3, 1925.

CAROLINA CLUB

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Known as Ginger Ale.
Claims use since Feb. 1, 1923.

Ser. No. 210,448. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD T. DANAHY CO., INC., Buffalo, N. Y. Filed Mar. 3, 1925.

CHERRY BRAND

The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Hams, Cali Hams, Bacon, Lamb, Beef, Pork, Veal, Beef Loaf, Cooked and Uncooked Sausages, and Lard.
Claims use since Feb. 20, 1925.

Ser. No. 210,497. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) NEW YORK MERCHANDISE COMPANY, New York, N. Y. Filed Mar. 3, 1925.

THE STEEPLE CHASE NEEDLE BOOK

No rights are asserted to the exclusive use of the words "Needle Book" apart from the trade-mark as shown in the drawing.

Particular description of goods.—Hand Sewing Needles and Darning Needles.

Claims use since Jan. 30, 1923.

Ser. No. 210,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCHUTTER-JOHNSON CANDY CO., Chicago, Ill. Filed Mar. 3, 1925.

BIT-O-HONEY

Particular description of goods.—Candy.

Claims use since October, 1924.

Ser. No. 210,506. (CLASS 38. PRINTS AND PUBLICATIONS.) SIMS SILVERMAN, New York, N. Y. Filed Mar. 3, 1925.

TIMES SQUARE DAILY

No claim is made to the word "Daily" apart from the mark shown.

Particular description of goods.—Newspaper or Daily Publication.

Claims use since about October, 1923.

Ser. No. 210,514. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TUCKER & GOODWIN, INC., Hartford, Conn. Filed Mar. 3, 1925.

QUEEN of the VALLEY

Particular description of goods.—Canned Fruits and Canned Vegetables.

Claims use since Apr. 20, 1903.

Ser. No. 210,516. (CLASS 39. CLOTHING.) K. W. WATTERS COMPANY, Buffalo, N. Y. Filed Mar. 3, 1925.

Deauville

Particular description of goods.—Hosiery.

Claims use since Feb. 5, 1925.

Ser. No. 210,518. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THOMAS J. WEBB CO., Chicago, Ill. Filed Mar. 3, 1925.

Thomas J. Webb Co.

Particular description of goods.—Food-Flavoring Extracts.

Claims use since Oct. 1, 1922.

Ser. No. 210,525. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Filed Mar. 5, 1925.

ICE QUEEN

Particular description of goods.—Canned Salmon.

Claims use since about 1911.

Ser. No. 210,526. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Filed Mar. 5, 1925.

ALASKA BEAR

Particular description of goods.—Canned Salmon.

Claims use since about 1911.

Ser. No. 210,535. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) DALLAS BELTING COMPANY, Dallas, Tex. Filed Mar. 5, 1925.

PARAMOUNT

Particular description of goods.—Rubber Belting.

Claims use since Jan. 15, 1925.

Ser. No. 210,546. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN M. GAVALETS, Saratoga Springs, N. Y. Filed Mar. 5, 1925.



LIBERTY

The picture disclosed in the drawing is a facsimile of applicant's portrait.

Particular description of goods.—Liniment for Rheumatism, Strained Veins, Lame Back, Stiff Neck, etc.

Claims use since Feb. 9, 1925.

Ser. No. 210,549. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Mar. 5, 1925.

STRONGPATH

Particular description of goods.—Inner Tubes for Pneumatic Vehicle Tires and Tubes, Said Tires and Tubes Being Composed Wholly or in Part of Rubber and Rubber and Fabric.

Claims use since July 15, 1924.

Ser. No. 210,573. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. H. OSBORN, Courtland, Calif. Filed Mar. 6, 1925.

STAR of the River

Particular description of goods.—Fresh Pears.

Claims use since Dec. 1, 1924.

Ser. No. 210,575. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PHARIS TIRE AND RUBBER COMPANY, Newark, Ohio. Filed Mar. 5, 1925.

DERBY

Particular description of goods.—Tires and Inner Tubes.

Claims use since December, 1924.

Ser. No. 210,613. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HARRIS & REICHARD FUR DYERS, INC., Brooklyn, N. Y. Filed Mar. 6, 1925.

WIMBLY

Particular description of goods.—Fur Skins.

Claims use since Dec. 22, 1924.

Ser. No. 210,635. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEODORE B. WAGNER, New York, N. Y. Filed Mar. 6, 1925.

SPEEDOUGH

Particular description of goods.—Preparation Used as an Ingredient in Bread and Other Dough Products for the Purpose of Accelerating the Fermentation of the Dough.

Claims use since Mar. 2, 1925.

Ser. No. 210,636. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THEODORE B. WAGNER, New York, N. Y. Filed Mar. 6, 1925.

CALCIPHOS

Particular description of goods.—Nutritive Salt Derived from Grains and Used as a Food Adjunct.

Claims use since Feb. 19, 1924.

Ser. No. 210,646. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE C. B. DOLGE CO., Westport, Conn. Filed Mar. 7, 1925.

BAN

Particular description of goods.—Preparation for Cleaning Exteriorly Walls, Woodwork, Marble, Tile, Slate, Floors, Furniture, Metal, Windows, Mirrors, Bowls, and Sinks and Removes Dirt and Discolorations.

Claims use since Dec. 9, 1924.

Ser. No. 210,673. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEVER BROTHERS COMPANY, Cambridge, Mass. Filed Mar. 7, 1925.



Applicant disclaims the words "Cambridge, Mass." and "Toilet Form" apart from the mark shown.
Particular description of goods.—Soap.
Claims use since Oct. 20, 1924.

Ser. No. 210,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Mar. 7, 1925.

CATOON

Particular description of goods.—Cotton Shirtings in the Piece.
Claims use since September, 1924.

Ser. No. 210,704. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Filed Mar. 9, 1925.

FROST KING

Particular description of goods.—Canned Salmon.
Claims use since about 1911.

Ser. No. 210,731. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERBST CHEMICAL CORP., New York, N. Y. Filed Mar. 9, 1925.

Herbodent
TRADE MARK

No claim is made to the words "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Mouth Wash and Tooth Paste.
Claims use since Feb. 1, 1925.

Ser. No. 210,741. (CLASS 39. CLOTHING.) MIDDISHADE COMPANY, Philadelphia, Pa. Filed Mar. 9, 1925.

MIDDISTRIPE

Particular description of goods.—Men's Coats, Vests, Trousers, and Suits.
Claims use since about Feb. 25, 1925.

Ser. No. 210,748. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PEABODY LEATHER COMPANY, INC., Quakertown, Pa. Filed Mar. 9, 1925.

PELCO

Particular description of goods.—Leathers.
Claims use since January, 1923.

Ser. No. 210,751. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) POND CREEK POCAHONTAS COMPANY, Portland, Me., and Huntington, W. Va. Filed Mar. 9, 1925.

P. C.
TRADE MARK
COAL
POCAHONTAS

No claim is made to the exclusive use of the words "Trade-Mark," "Pocahontas," and "Coal" apart from the mark as shown in the drawing.
Particular description of goods.—Coal.
Claims use since Feb. 7, 1925.

Ser. No. 210,752. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAQUEL, INCORPORATED, New York, N. Y. Filed Mar. 9, 1925.

Raquel

Particular description of goods.—Perfumes, Toilet Water, Toilet Powders, Face Creams, Lotions, Bath Salts, Sachet, Hair Tonic, Eyelash Grower, Mentholene Balm, Depilatory, Shampoo, Scalp Salve, Rouge Paste, and Liquid Powder.
Claims use since Feb. 17, 1925.

Ser. No. 210,757. (CLASS 39. CLOTHING.) ROSNER MANUFACTURING COMPANY, New York, N. Y. Filed Mar. 9, 1925.

EVEN-PUL

Particular description of goods.—Brassières and Bandeaux.
Claims use since January, 1924.

Ser. No. 210,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMIL SIEBEL, doing business as Emil Siebel Company, St. Louis, Mo. Filed Mar. 9, 1925.

SIE-CAPS

Particular description of goods.—Medicinal Preparation for the Treatment of Constipation and General Intestinal Troubles.
Claims use since Nov. 1, 1924.

Ser. No. 210,766. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WARNER BROTHERS PICTURES, INC., New York, N. Y. Filed Mar. 9, 1925.



Particular description of goods.—Motion-Picture Films.
Claims use since Feb. 15, 1925.

Ser. No. 210,768. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WESTERN INSTRUMENT & MANUFACTURING CO., Chicago, Ill. Filed Mar. 9, 1925.



Particular description of goods.—Surgical, Dental, Veterinary, and Embalming Instruments.
Claims use since Mar. 3, 1925.

Ser. No. 210,771. (CLASS 38. PRINTS AND PUBLICATIONS.) THE YOUNG DRY GOODS COMPANY, also doing business as Sun Discount Stamp Company, Alton, Ill. Filed Mar. 9, 1925.



No claim is made to the use of the word "Stamp" appearing on the drawing apart from the trade-mark shown.
Particular description of goods.—Discount Stamps.
Claims use since Feb. 2, 1925.

Ser. No. 210,775. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA SALMON COMPANY, San Francisco, Calif. Filed Mar. 10, 1925.

ROCKY FORD

Particular description of goods.—Canned Salmon.
Claims use since about 1901.

Ser. No. 210,776. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA SALMON COMPANY, San Francisco, Calif. Filed Mar. 10, 1925.

RIVER KING

Particular description of goods.—Canned Salmon.
Claims use since about 1901.

Ser. No. 210,786. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FLORIAN INC., Des Moines, Iowa. Filed Mar. 10, 1925.

Florian

Trade-mark "Florian."
Particular description of goods.—Shaving Soap.
Claims use since Nov. 12, 1923.

Ser. No. 210,787. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORIAN INC., Des Moines, Iowa. Filed Mar. 10, 1925.

Florian

Trade-mark consists of the word "Florian."
Particular description of goods.—Tooth Paste and Face Lotion.
Claims use since Nov. 12, 1923.

Ser. No. 210,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) RAQUEL, INCORPORATED, New York, N. Y. Filed Mar. 10, 1925.

Olor de la Noche

Particular description of goods.—Perfumes, Toilet Water, Toilet Powders, Face Creams, Lotions, Bath Salts, Sachets, Hair Tonic, Eyelash Grower, Mentholene Balm, Depilatory, Shampoo, Scalp Salve, Rouge Paste, and Liquid Powder.
Claims use since Feb. 17, 1925.

Ser. No. 210,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE ASSOCIATED FRUIT COMPANY, Delta, Colo. Filed Mar. 11, 1925.

BLANKET

Particular description of goods.—Fresh Apples and Peaches.
Claims use since 1914.

Ser. No. 210,827. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEODORE CAPPELL, doing business as Chlorogen Chemical Company, Pittsburgh, Pa. Filed Mar. 11, 1925.

CHLOROGEN

Particular description of goods.—Disinfectant, Antiseptic, Germicide, and Bleach.
Claims use since Sept. 17, 1924.

Ser. No. 210,864. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOS. STRONG & CO., Terre Haute, Ind. Filed Mar. 11, 1925.

B AND C

Particular description of goods.—Baking Powder.
Claims use since June, 1894.

Ser. No. 210,909. (CLASS 39. CLOTHING.) LAURIN SILK HOSIERY MILLS, INC., New York, N. Y. Filed Mar. 12, 1925.

"PHANTOM"

Particular description of goods.—Men's, Women's, and Children's Hosiery.
Claims use since July 1, 1924.

Ser. No. 210,914. (CLASS 39. CLOTHING.) R. H. MACY & CO., INC., New York, N. Y. Filed Mar. 12, 1925.

Comtesse

Particular description of goods.—Ladies' Corsets.
Claims use since Sept. 1, 1890.

Ser. No. 210,960. (CLASS 39. CLOTHING.) ADA G. FRITS, executrix of the estate of Martin H. Frits, doing business as Shillington Hosiery Mills, Shillington, Pa. Filed Mar. 13, 1925.

O-So-Ez

Particular description of goods.—Hosiery.
Claims use since Jan. 1, 1925.

Ser. No. 210,964. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. CLET. J. JONES, Elk River, Idaho. Filed Mar. 13, 1925.

The Jones Famous Hair Dye and Stain Remover



No claim is made to the words "Hair Dye" and "Stain Remover" apart from the mark as shown in the drawing.
Particular description of goods.—Hair Dye.
Claims use since Feb. 10, 1924.

Ser. No. 210,991. (CLASS 39. CLOTHING.) MAURICE WYMAN, Baltimore, Md. Filed Mar. 13, 1925.

Bab

Particular description of goods.—Shoes Made of Leather, Rubber, Fabric, or Any Combination of the Same, and Hosiery.
Claims use since Oct. 1, 1924.

Ser. No. 211,006. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) GEORGE F. BERKANDER, Providence, R. I. Filed Mar. 14, 1925.

PETER PAN JEWELRY

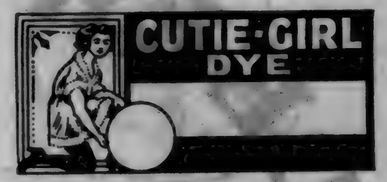
No claim is made to the exclusive use of the word "Jewelry" apart from the mark shown on the drawing.
Particular description of goods.—Jewelry Made of Celluloid—Namely, Bracelets, Brooches, Bar Pins, Pendants, Barrettes, Fans, and Combs.
Claims use since about Feb. 15, 1925.

Ser. No. 211,018. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. C. COOK & CO., Clovis, Calif. Filed Mar. 14, 1925.

The TREASURE CHEST

Particular description of goods.—Dried Fruits.
Claims use since 1917.

Ser. No. 211,022. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WM. EDGE & SONS, LIMITED, Bolton, England. Filed Mar. 14, 1925.



The word "Dye" is hereby disclaimed as a trade-mark apart from the mark as a whole as shown in the drawing.
Particular description of goods.—Dyes.
Claims use since Jan. 1, 1925.

Ser. No. 211,025. (CLASS 39. CLOTHING.) FORT PLAIN KNITTING CO., Fort Plain, N. Y. Filed Mar. 14, 1925.

F.P.K.

Trade-mark consists of the letters "F. P. K."
Particular description of goods.—Underwear and Hosiery.
Claims use since 1910.

Ser. No. 211,080. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT, HATCH & CO., San Francisco, Calif. Filed Mar. 14, 1925.

NOMAD

Particular description of goods.—Fresh Citrous Fruits, Fresh Deciduous Fruits.
Claims use since Feb. 20, 1925.

Ser. No. 211,041. (CLASS 43. THREAD AND YARN.) JAMES LEES AND SONS COMPANY, Bridgeport, Pa. Filed Mar. 14, 1925.

Milady

Particular description of goods.—Worsted, Woolen, Silk, and Silk and Wool Mixed Yarns.
Claims use since Jan. 19, 1925.

Ser. No. 211,044. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCINNES BROS, INC., Milwaukee, Wis. Filed Mar. 14, 1925.

Menu

Particular description of goods.—Coffee.
Claims use since May 1, 1920.

Ser. No. 211,059. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SING WO KEE CO., San Francisco, Calif. Filed Mar. 14, 1925.

DEER

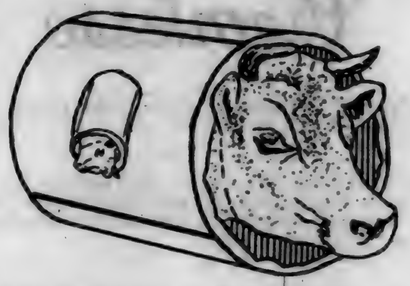
Particular description of goods.—Fresh Vegetables.
Claims use since Feb. 15, 1925.

Ser. No. 211,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GIMBAL BROTHERS, San Francisco, Calif. Filed Mar. 16, 1925.

DEVILSH GUDE

Particular description of goods.—Candy.
Claims use since December, 1924.

Ser. No. 211,121. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PET MILK COMPANY, St. Louis, Mo. Filed Mar. 16, 1925.



Particular description of goods.—Evaporated Milk.
Claims use since about May 1, 1893.

Ser. No. 211,125. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REITER CO., Elgin, Ill. Filed Mar. 16, 1925.

BOILER PEP

Particular description of goods.—Feed-Water Treatment for Conditioning Boiler Water, Dissolving and Removing Boiler Scale, Suspended Matter, and Oil While Boiler is in Operation and for Softening, Purifying, Coagulating, and Clarifying Boiler Water.
Claims use since July 12, 1924.

Ser. No. 211,189. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) TIFFANY MANUFACTURING COMPANY, Newark, N. J. Filed Mar. 16, 1925.

TMCO

Particular description of goods.—Ammeters and Voltmeters.
Claims use since on or about Dec. 1, 1924.

Ser. No. 211,164. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE B. F. GOODRICH COMPANY, New York, N. Y. Filed Mar. 17, 1925.



The mark consists of an elongated substantially rectangular figure flanked by two hollow triangular figures colored red and having their bases parallel to the end margins of said figure.
Particular description of goods.—Pneumatic Tires Composed Principally of Rubber and Fibrous Material.
Claims use since July, 1924.

Ser. No. 211,174. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANUFACTURING IMPROVEMENT CORPORATION, Boston, Mass. Filed Mar. 17, 1925.

MICOL

Trade-mark consists of the word "Micol."
Particular description of goods.—Emulsion of a Solvent Employed in Tanning.
Claims use since on or about Apr. 1, 1924.

Ser. No. 211,188. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOAP DISTRIBUTORS, INC., Brooklyn, N. Y. Filed Mar. 17, 1925.

CONTI

Particular description of goods.—Liquid Shampoo.
Claims use since on or about July 1, 1924.

Ser. No. 211,206. (CLASS 39. CLOTHING.) HAGERSTOWN SHOE & LEGGING CO., INC., Hagerstown, Md. Filed Mar. 18, 1925.

Kid-e-Proof

Particular description of goods.—Infants', Children's, and Misses' Barefoot Sandals and Oxfords Made of Leather.
Claims use since Mar. 4, 1925.

Ser. No. 211,211. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARTHUR E. HILL, Los Angeles, Calif. Filed Mar. 18, 1925.

Edith Rose

Particular description of goods.—Candies and Chocolates.
Claims use since Feb. 21, 1925.

Ser. No. 211,221. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) NORTHERN ENGRAVING COMPANY, La Crosse, Wis. Filed Mar. 18, 1925.



Particular description of goods.—Ammeters for Automobiles.
Claims use since Feb. 24, 1925.

Ser. No. 211,237. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALTER J. STONE, doing business as Stone Bros., El Dorado, Calif. Filed Mar. 18, 1925.

NUGGET

Particular description of goods.—Fresh Pears.
Claims use since Jan. 14, 1925.

Ser. No. 211,240. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST M. VIQUERNEY, doing business as Imp-O-Luck Company, Spencer, Ind. Filed Mar. 18, 1925.

IMP-O-LUCK



Particular description of goods.—Fire-Extinguishing Compound.
Claims use since Dec. 20, 1924.

Ser. No. 211,251. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BENZIL-VIBURNUM LABORATORY, Washington, D. C. Filed Mar. 19, 1925.

B V C

Particular description of goods.—Pharmaceutical Preparation for the Relief of Painful Menstruation.
Claims use since June 15, 1924.

Ser. No. 211,273. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEON ISRAEL & BROS. INC., New York, N. Y. Filed Mar. 19, 1925.

KILLARNEY

Particular description of goods.—Green Coffee.
Claims use since about Mar. 4, 1925.

Ser. No. 211,287. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACKAGE CONFECTIONERY COMPANY, Boston, Mass. Filed Mar. 19, 1925.



Particular description of goods.—Candy.
Claims use since May 3, 1915.

Ser. No. 211,304. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SYKES, GORHAM AND HILL, Winnemucca, Nev. Filed Mar. 19, 1925.

TEN STRIKE

Particular description of goods.—Radiator Compound Adapted to Stop Leaks in Automobile Radiators.
Claims use since about Sept. 1, 1924.

Ser. No. 211,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CAMDEN CANNING CO., Eaton, Ohio. Filed Mar. 20, 1925.

RED CHIEF

Particular description of goods.—Canned Tomatoes and Tomato Purée.
Claims use since about 1913.

Ser. No. 211,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Filed Mar. 21, 1925.

FORBEST

Particular description of goods.—Tea.
Claims use since on or about Jan. 2, 1925.

Ser. No. 211,425. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed Mar. 21, 1925.

COLOMBO

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since 1905.

Ser. No. 211,428. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ARTHUR HENRY PRUITT, Wichita, Kans. Filed Mar. 21, 1925.

GERMGET

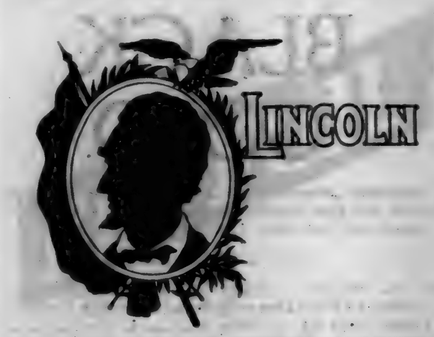
Trade-mark consists of the word "Germget."
Particular description of goods.—Medicine for White Diarrhea, Cholera, Roup, Colds, Canker, Chicken Pox, Blackhead, and Limberneck in Poultry and for Open Wounds, Cuts, Sore Shoulders, Sore Heads in Chicken Pox, Injecting into Pus Pockets, Fistula, Poll-Evil, and the Like, in Horses, Cattle, Hogs, Dogs, Sheep, and Cats, and as a Preventive Veterinary Medicine.
Claims use since June 1, 1923.

Ser. No. 211,432. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TALBOT MANUFACTURING CO., Los Angeles, Calif. Filed Mar. 21, 1925.

TPC

Particular description of goods.—Insecticides.
Claims use since 1918.

Ser. No. 211,444. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINCOLN FRUIT GROWERS ASSOCIATION, Lincoln, Calif. Filed Mar. 21, 1925.



Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Dec. 19, 1924.

Ser. No. 211,460. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CARDINET CANDY COMPANY, (INC.), Oakland, Calif. Filed Mar. 23, 1925.

HIGH SIGN

Particular description of goods.—Candy.
Claims use since Jan. 13, 1925.

Ser. No. 211,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 23, 1925.



The drawing is lined to indicate the color yellow.
Particular description of goods.—Insecticides, Deodorants, and Disinfectants.
Claims use since May 17, 1923.

Ser. No. 211,504. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES ALVIN TYSON, doing business as Indiana Manufacturing Co., Evansville, Ind. Filed Mar. 23, 1925.

BLACK GOLD

Particular description of goods.—Perfumes, Toilet Waters, and Face Powders.
Claims use since Mar. 1, 1925.

Ser. No. 211,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES ALVIN TYSON, doing business as Indiana Manufacturing Co., Evansville, Ind. Filed Mar. 23, 1925.

GRO-LONG

Particular description of goods.—Hair Grower, Pressing Compound, and Quinine Pomade.
Claims use since Mar. 1, 1925.

Ser. No. 211,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES ALVIN TYSON, doing business as Indiana Manufacturing Co., Evansville, Ind. Filed Mar. 23, 1925.

Fayrins

Particular description of goods.—Bleach Cream, Vanishing Creams, Hair Tonic, Shampoo, Face Powder, Rouge, Perfume, and Toilet Water.
Claims use since Mar. 1, 1925.

Ser. No. 211,515. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM JOHN BEBEE, doing business as B & B Syndicate, St. Louis, Mo. Filed Mar. 24, 1925.

ALI-BEN-K

Particular description of goods.—Herb Compound Forming a Blood and Nerve Tonic.
Claims use since Apr. 1, 1923.

Ser. No. 211,530. (CLASS 39. CLOTHING.) HILB-FRANKEL CO. INC., Denver, Colo. Filed Mar. 24, 1925.

COLUMBINE



Particular description of goods.—Hosiery.
Claims use since Feb. 16, 1925.

Ser. No. 211,545. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROPA RESEARCH LABORATORY, Cincinnati, Ohio. Filed Mar. 24, 1925.

RO-PA

Particular description of goods.—Preparation Used as a Mouth Wash.
Claims use since Jan. 24, 1925.

Ser. No. 211,546. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) SAFEWAY STORES, INCORPORATED, Los Angeles, Calif. Filed Mar. 24, 1925.

SAFEWAY

Particular description of goods.—Matches.
Claims use since Mar. 18, 1925.

Ser. No. 211,558. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WELSH MANUFACTURING CO., INC., Camden, N. J. Filed Mar. 24, 1925.

WELCO

Particular description of goods.—Loom Sundries—Namely, Lug Straps and Lug-Strap Supports.
Claims use since Jan. 30, 1925.

Ser. No. 211,604. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSUR M. NASSAR, Cincinnati, Ohio. Filed Mar. 25, 1925.

NASSAR

Particular description of goods.—Laxative Capsules for Constipation and for Stomach and Bowel Disorders.
Claims use since Jan. 26, 1924.

Ser. No. 211,626. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. B. ROSEFIELD, doing business as An-Fe Manufacturing Co., Oakland, Calif. Filed Mar. 25, 1925.

FLY-FOIL

Particular description of goods.—Fly Spray and Insecticide.
Claims use since Oct. 15, 1924.

Ser. No. 211,631. (CLASS 2. RECEPTACLES.) SOUTHWESTERN BROOM MFG. CO., Evansville, Ind. Filed Mar. 25, 1925.

UTILITY

Trade-mark consists of the word "Utility."
Particular description of goods.—Paper Food Trays.
Claims use since 1917.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 5, 1925.

198,064. MEDICINAL PREPARATION TO BE USED AS A LAXATIVE OR CATHARTIC. The Eli Lilly & Company, Indianapolis, Ind., now by change of name Eli Lilly & Company, Indianapolis, Ind., a Corporation of Indiana, assignee to John L. Thomas, McKeesport, Pa.
Filed March 28, 1922. Serial No. 161,286. PUBLISHED JULY 3, 1923.

198,065. LATHES. Rockford Tool Company, Rockford, Ill.
Filed July 24, 1922. Serial No. 167,226. PUBLISHED FEBRUARY 17, 1925.

198,066. ELECTRIC SWITCHES, CURRENT TAPS, PULL SOCKETS, CANDELABRA SOCKETS, AND SWITCH-OPERATOR EXTENSION SUPPORTS. Harvey Hubbell, Incorporated, Bridgeport, Conn.
Filed April 12, 1923. Serial No. 179,041. PUBLISHED FEBRUARY 10, 1925.

198,067. NEWS BULLETINS AND ANNOUNCEMENTS. Columbia Machine Works and Malleable Iron Company, Brooklyn, N. Y.
Filed May 12, 1923. Serial No. 180,524. PUBLISHED JANUARY 20, 1925.

198,068. PHONOGRAPH RECORDS AND MUSIC ROLLS FOR PLAYER PIANOS. Iama Novelty & Music Shop, Chicago, Ill.
Filed October 5, 1923. Serial No. 186,595. PUBLISHED FEBRUARY 10, 1925.

198,069. SPRAYERS AND PARTS THEREOF. The Hudson Manufacturing Company, Minneapolis, Minn.
Filed October 15, 1923. Serial No. 186,996. PUBLISHED FEBRUARY 17, 1925.

198,070. TRANSFER OR MANIFOLD AND HECTOGRAPH PAPERS INKED WITH CARBON OR ANILINE DYES. Harry R. Shannon, doing business as Permagraph Carbon & Ribbon Company, Chicago, Ill.
Filed October 22, 1923. Serial No. 187,353. PUBLISHED FEBRUARY 10, 1925.

198,071. OIL MOTORS, PUMPS, AND INTERNAL-COMBUSTION ENGINES. American Crude Oil Motors Corp., New York, N. Y.
Filed November 22, 1923. Serial No. 188,653. PUBLISHED FEBRUARY 17, 1925.

198,072. ELECTRIC MOTORS AND PARTS THEREFOR, CONNECTING AND ATTACHMENT PLUGS, LAMP SOCKETS WITH CURRENT TAPS; EXTENSIONS, CABLES, AND WIRES; RHEOSTATS, ELECTRIC-MOTOR SPEED REGULATORS; INSULATORS MADE OF RUBBER, FIBER COMPOSITION, AND SLATE. Dictaphone Corporation, Bridgeport, Conn.
Filed November 27, 1923. Serial No. 188,952. PUBLISHED FEBRUARY 17, 1925.

198,073. FOOD PRODUCTS—NAMELY, SHOYU, A SAUCE MADE FROM SOY BEANS, WHEAT, AND SALT. Mitsusaburo Ohashi, doing business as M. Ohashi, San Francisco, Calif.
Filed November 27, 1923. Serial No. 188,967. PUBLISHED FEBRUARY 17, 1925.

198,074. MILLING MACHINES AND PARTS THEREOF. The Hall Planetary Thread Milling Machine Company, Philadelphia, Pa.
Filed December 3, 1923. Serial No. 189,157. PUBLISHED FEBRUARY 17, 1925.

198,075. FRUIT AND VEGETABLE SLICERS, VEGETABLE FORKS, COMBINATION EGG AND CAKE TURNERS, CAN OPENERS, CAKE TURNERS, PERFORATED SKIMMER SPOONS, CAN WRENCHES, PERFORATED MIXING SPOONS, SLOTTED MIXING SPOONS, BASTING SPOONS, POTATO MASHERS, AND PARING AND SLICING KNIVES. Handy Things Manufacturing Company, Ludington, Mich.
Filed December 10, 1923. Serial No. 189,457. PUBLISHED FEBRUARY 17, 1925.

198,076. COMPRESSED ASBESTOS SHEET PACKING. Joseph Krammer, London England.
Filed January 19, 1924. Serial No. 191,025. PUBLISHED FEBRUARY 3, 1925.

198,077. DRINKING WATERS PURIFIED BY ELECTROLYSIS, FILTRATION, AND OXIDATION BY OXYGEN AND OZONE. Russell Richard Jourdan, doing business as Electra-Pura Water Company, Dallas, Tex.
Filed March 11, 1924. Serial No. 193,598. PUBLISHED JULY 29, 1924.

198,078. ELECTRIC LAMPS, BULBS, OR MINIATURE LAMPS. American International Trading Co., New York, N. Y.
Filed March 18, 1924. Serial No. 193,981. PUBLISHED NOVEMBER 18, 1924.

198,079. PIECE GOODS OF COTTON AND SILK FOR DRAPERIES. Morrell Mills, Inc., Philadelphia, Pa.; New York, N. Y.; and Chicago, Ill.
Filed March 21, 1924. Serial No. 194,203. PUBLISHED FEBRUARY 17, 1925.

198,080. WOMEN'S, GIRLS', AND MISSES' SHIRT WAISTS MADE OUT OF KNITTED OR TEXTILE MATERIALS, OR ANY COMBINATION THEREOF, AND MEN'S, YOUTHS', AND BOYS' NEGLIGEE AND WORK SHIRTS MADE OUT OF KNITTED OR TEXTILE MATERIALS OR ANY COMBINATION THEREOF, AND MEN'S DRESS SHIRTS MADE OUT OF TEXTILE MATERIAL. Franklin Simon & Co. Inc., New York, N. Y., assignor to Franklin Simon & Co. Inc., New York, N. Y., a Corporation of New York (New Corporation).
Filed March 29, 1924. Serial No. 194,674. PUBLISHED JUNE 24, 1924.

198,081. SILK PIECE GOODS. Philip Gallus, New York, N. Y.
Filed April 10, 1924. Serial No. 195,277. PUBLISHED AUGUST 5, 1924.

198,082. WOOLEN GOODS IN THE PIECE AND IN SHORT LENGTHS. S. Stein & Company, New York, N. Y.
Filed April 10, 1924. Serial No. 195,313. PUBLISHED JULY 1, 1924.

198,083. RADIO TRANSMITTING AND RECEIVING SETS, COILS AND REPAIR PARTS THEREFOR. Ware Radio Corporation, New York, N. Y.
Filed April 15, 1924. Serial No. 195,605. PUBLISHED FEBRUARY 10, 1925.

198,084. LADIES' HOSIERY. Harry West, New York, N. Y.
Filed December 29, 1924. Serial No. 207,423. PUBLISHED FEBRUARY 17, 1925.

198,085. FACE CREAM. The Thompson-Barlow Company, Inc., New York, N. Y.
Filed December 27, 1924. Serial No. 207,315. PUBLISHED FEBRUARY 10, 1925.

198,086. RADIO RECEIVING SETS. Triangle Electric Co., Chicago, Ill.
Filed December 23, 1924. Serial No. 207,157. PUBLISHED FEBRUARY 17, 1925.

198,087. FACE POWDERS, FACE CREAMS, FACE PACKS, PERFUMES, TOILET WATERS, ROUGES, LIP STICKS, HAIR TONICS, HAIR OILS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, AND SACHET POWDERS. Julia Donnelly, St. Davids, Pa.
Filed December 19, 1924. Serial No. 206,947. PUBLISHED FEBRUARY 10, 1925.

198,088. CLEANSING AND BLEACHING SOLUTION. California Rex Spray Co., Benicia and Sacramento, Calif.
Filed December 19, 1924. Serial No. 206,940. PUBLISHED FEBRUARY 10, 1925.

198,089. COTTON PIECE GOODS. Nathan H. Rich & Bro., New York, N. Y.
Filed December 13, 1924. Serial No. 206,693. PUBLISHED FEBRUARY 17, 1925.

198,090. CHILDREN'S SUITS, CHILDREN'S KNICKERS, CHILDREN'S CAPS, TROUSERS, AND BREECHES. Economy Clothing Manufacturing Company, Chicago, Ill.
Filed October 6, 1924. Serial No. 203,458. PUBLISHED FEBRUARY 3, 1925.

198,091. HOSIERY. Phoenix Hosiery Company, Milwaukee, Wis.
Filed June 23, 1924. Serial No. 199,017. PUBLISHED FEBRUARY 17, 1925.

198,092. HOSIERY. The Imperial Underwear Corporation, Piqua, Ohio.
Filed June 19, 1924. Serial No. 198,803. PUBLISHED FEBRUARY 17, 1925.

198,093. INSECTICIDES, DEODORANTS, AND DISINFECTANTS. American Laboratories Incorporated, Richmond, Va.
Filed June 17, 1924. Serial No. 198,695. PUBLISHED AUGUST 26, 1924.

198,094. SHIRRED RIBBON ELASTIC, NARROW COTTON AND SILK ELASTIC, BRAIDS FOR TRIMMINGS OF WOMEN'S DRESSES, COATS, SUITS, AND UNDERGARMENTS. Wolfe & Lang, Inc., New York, N. Y.
Filed March 13, 1924. Serial No. 193,744. PUBLISHED JANUARY 20, 1925.

198,095. OINTMENT FOR THE TREATMENT OF COWS' BAGS, SORE TEATS, INFLAMED NAVELS, OPEN WOUNDS, GALLS, ULCERS, AND SIMILAR AILMENTS. Osmond & Son, Limited, Grimsby, England.
Filed November 14, 1924. Serial No. 205,292. PUBLISHED FEBRUARY 17, 1925.

198,096. PHONOGRAPHIC APPARATUS FOR RECORDING AND REPRODUCING SOUNDS. Columbia Phonograph Company, Inc., Bridgeport, Conn.
Filed November 14, 1924. Serial No. 205,265. PUBLISHED FEBRUARY 17, 1925.

198,097. LIQUID CHEMICAL FOR INCREASING THE COMBUSTIBILITY OR FIRING POINT OF LIQUID HYDROCARBON FUELS. William H. Liebman, doing business as Pep-O-Lene Manufacturing Company, Youngstown, Ohio.
Filed November 13, 1924. Serial No. 205,214. PUBLISHED FEBRUARY 17, 1925.

198,098. LOUD SPEAKERS. Radio Corporation of America, New York, N. Y.
Filed November 12, 1924. Serial No. 205,172. PUBLISHED FEBRUARY 10, 1925.

198,099. LOUD SPEAKERS. Radio Corporation of America, New York, N. Y.
Filed November 12, 1924. Serial No. 205,171. PUBLISHED FEBRUARY 10, 1925.

198,100. RINGS, MORE PARTICULARLY WEDDING RINGS WHICH ARE MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. Allsopp Brothers, Newark, N. J.
Filed November 11, 1924. Serial No. 205,105. PUBLISHED FEBRUARY 10, 1925.

198,101. RINGS, MORE PARTICULARLY WEDDING AND ENGAGEMENT RINGS WHICH ARE MADE WHOLLY OR IN PART OF PRECIOUS METAL OR PLATED THEREWITH. Allsopp Brothers, Newark, N. J.
Filed November 11, 1924. Serial No. 205,104. PUBLISHED FEBRUARY 10, 1925.

198,102. HAIR GROWERS. Robert Jerome Garrett, Jr., Jackson, Miss.
Filed November 7, 1924. Serial No. 204,960. PUBLISHED FEBRUARY 17, 1925.

198,103. ELECTRICAL INSULATORS. The R. Thomas & Sons Co., East Liverpool, Ohio.
Filed November 6, 1924. Serial No. 204,939. PUBLISHED FEBRUARY 10, 1925.

198,104. ELECTRIC-POWER-DRIVEN ROTARY CUTTING IMPLEMENTS OF THE PORTABLE OR HAND-TOOL TYPE. Michel Electric Hand Saw Company, Chicago, Ill.
Filed November 6, 1924. Serial No. 204,923. PUBLISHED FEBRUARY 10, 1925.

198,105. FLUX. Robt. C. Hopkins, doing business as The Volcanic Specialties Co., Alliance, Ohio.
Filed November 6, 1924. Serial No. 204,912. PUBLISHED FEBRUARY 17, 1925.

198,106. FLUX. Robt. C. Hopkins, doing business as The Volcanic Specialties Co., Alliance, Ohio.
Filed November 6, 1924. Serial No. 204,911. PUBLISHED FEBRUARY 17, 1925.

198,107. ELECTRIC-LIGHTING FIXTURES. Glasco Electric Co., St. Louis, Mo.
Filed November 5, 1924. Serial No. 204,857. PUBLISHED FEBRUARY 10, 1925.

198,108. ELECTRIC-LIGHTING FIXTURES. Glasco Electric Co., St. Louis, Mo.
Filed November 5, 1924. Serial No. 204,856. PUBLISHED FEBRUARY 10, 1925.

198,109. ELECTRIC-LIGHTING FIXTURES. Glasco Electric Co., St. Louis, Mo.
Filed November 5, 1924. Serial No. 204,855. PUBLISHED FEBRUARY 10, 1925.

198,110. LINGERIE. Carol Zimmerman, New York, N. Y.
Filed October 27, 1924. Serial No. 204,489. PUBLISHED FEBRUARY 17, 1925.

198,111. EMOLLIENT DRESSINGS. Flint, Eaton & Company, Decatur, Ill.
Filed October 27, 1924. Serial No. 204,446. PUBLISHED FEBRUARY 17, 1925.

198,112. COMBINED ELECTRIC SADIRONS, AIR OR SPACE HEATERS AND COOKERS. Lavoy Manufacturing Company, Detroit Mich.
Filed October 23, 1924. Serial No. 204,319. PUBLISHED FEBRUARY 10, 1925.

198,113. LOUD SPEAKER OR AMPLIFIER FOR RADIO RECEIVING APPARATUS. The Q R S Music Company, Chicago, Ill.
Filed October 11, 1924. Serial No. 203,747. PUBLISHED FEBRUARY 10, 1925.

198,114. STOP LIGHTS, PARKING LIGHTS, COMBINATION STOP AND PARKING LIGHTS, DASH SWITCHES AND STOP LIGHT SWITCHES, SAID LIGHTS BEING ELECTRICAL, SAID SWITCHES BEING FOR ELECTRICAL USE. RAB-LITE MANUfacturing Co., Baltimore, Md.
Filed October 7, 1924. Serial No. 203,535. PUBLISHED FEBRUARY 10, 1925.

198,115. MOUTH WASH. RUSH-ECKARDT LABORATORIES, Los Angeles, Calif.
Filed December 26, 1924. Serial No. 207,263. PUBLISHED FEBRUARY 10, 1925.

198,116. HAIR TONIC. MITSI MANO, San Francisco, Calif.
Filed December 26, 1924. Serial No. 207,249. PUBLISHED FEBRUARY 10, 1925.

198,117. RADIO RECEIVING SETS. JOY-KELSEY CORPORATION, Chicago, Ill.
Filed December 26, 1924. Serial No. 207,246. PUBLISHED FEBRUARY 17, 1925.

198,118. PREPARATIONS FOR REMOVING NICOTINE, TOBACCO, VEGETABLE, FRUIT, AND OTHER STAINS, TARTAR, FILM, ETC., FROM THE TEETH. W. HARVEY WADDELL, doing business as Nicotineoff Co., Chicago, Ill.
Filed December 24, 1924. Serial No. 207,214. PUBLISHED FEBRUARY 10, 1925.

198,119. DENTIFRICES. THE LUFRIN COMPANY, INC., New York, N. Y.
Filed December 24, 1924. Serial No. 207,194. PUBLISHED FEBRUARY 17, 1925.

198,120. DRESSES. ERD MARSHALL CO., Port Huron, Mich.
Filed December 24, 1924. Serial No. 207,184. PUBLISHED FEBRUARY 17, 1925.

198,121. EMULSION OF OIL OF EUCALYPTUS, GLYCERIN, HONEY, AND OIL OF PEPPERMINT USED FOR THE RELIEF OF COUGHS, COLDS, SPASMODIC CROUP, SORE THROAT, ETC. EDWARD G. BINE COMPANY, Los Angeles, Calif.
Filed December 24, 1924. Serial No. 207,174. PUBLISHED FEBRUARY 10, 1925.

198,122. EMULSION OF OIL OF EUCALYPTUS, GLYCERIN, HONEY, AND OIL OF PEPPERMINT USED FOR THE RELIEF OF COUGHS, COLDS, SPASMODIC CROUP, SORE THROAT, ETC. EDWARD G. BINE COMPANY, Los Angeles, Calif.
Filed December 24, 1924. Serial No. 207,173. PUBLISHED FEBRUARY 10, 1925.

198,123. SHOVELS AND SPADES. SKELTON SHOVEL CO. INC., Dunkirk, N. Y.
Filed December 23, 1924. Serial No. 207,152. PUBLISHED FEBRUARY 17, 1925.

198,124. LIQUID ROUGE, FACE LOTIONS, AND FACE BLEACHES. DELLA NELL, Los Angeles, Calif.
Filed December 23, 1924. Serial No. 207,140. PUBLISHED FEBRUARY 10, 1925.

198,125. ROUGE. DELLA NELL, Los Angeles, Calif.
Filed December 23, 1924. Serial No. 207,139. PUBLISHED FEBRUARY 10, 1925.

198,126. OIL OF YLANG-YLANG. FRITZSCHE BROTHERS, INC., New York, N. Y.
Filed December 23, 1924. Serial No. 207,129. PUBLISHED FEBRUARY 10, 1925.

198,127. ELECTRICAL CONDENSERS. PREMIER ELECTRIC COMPANY, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,097. PUBLISHED FEBRUARY 17, 1925.

198,128. PREPARATIONS FOR TREATING THE HUMAN SCALP. H. CLAY GLOVER CO., INC., New York, N. Y.
Filed December 22, 1924. Serial No. 207,075. PUBLISHED FEBRUARY 10, 1925.

198,129. WATERPROOFING COMPOUND OR COMPOSITION TO BE USED FOR WATERPROOFING PAPER, CARDBOARD, WOOD, CEMENT, CLOTH, SILK, FISH LINES, ROPE, AND OTHER MATERIALS. GEORGE W. GIBBS, Brooklyn, N. Y.
Filed December 22, 1924. Serial No. 207,070. PUBLISHED FEBRUARY 10, 1925.

198,130. LAWN MOWERS. WORCESTER LAWN MOWER COMPANY, Worcester, Mass.
Filed December 20, 1924. Serial No. 207,050. PUBLISHED FEBRUARY 17, 1925.

198,131. ELECTRIC BATTERIES. NATIONAL CARBON COMPANY, INC., New York, N. Y.
Filed December 20, 1924. Serial No. 207,027. PUBLISHED FEBRUARY 17, 1925.

198,132. EDGE TOOLS—VIZ, HAIR CLIPPERS. ADOLPH KASTOR & BROS., New York, N. Y.
Filed December 20, 1924. Serial No. 207,021. PUBLISHED FEBRUARY 17, 1925.

198,133. ARTIFICIAL PEARLS. E. M. ROSENTHAL JEWELRY COMPANY, Washington, D. C.
Filed December 18, 1924. Serial No. 206,921. PUBLISHED FEBRUARY 17, 1925.

198,134. ATTACHMENTS TO TELEPHONE TRANSMITTER INSTRUMENTS USED AS ANTENNÆ FOR THE RECEPTION OF RADIOSIGNALS. TOBIAS JACOBS, Omaha, Nebr.
Filed December 18, 1924. Serial No. 206,903. PUBLISHED FEBRUARY 17, 1925.

198,135. SPARK PLUGS. THE CARBO-GAS CO., Huron, S. Dak., and Toledo, Ohio.
Filed December 17, 1924. Serial No. 206,824. PUBLISHED FEBRUARY 17, 1925.

198,136. LOUD SPEAKERS. PIROXLOID PRODUCTS CORPORATION, New York and Long Island City, N. Y.
Filed December 16, 1924. Serial No. 206,800. PUBLISHED FEBRUARY 17, 1925.

198,137. FRESH BUTTERMILK, MILK, AND CREAM. WILLIAM A. SIMPSON, doing business as Walker Hill Dairy, Washington, D. C.
Filed December 15, 1924. Serial No. 206,755. PUBLISHED FEBRUARY 3, 1925.

198,138. MEDICINE FOR STOMACH TROUBLE AND RHEUMATISM. PAUL HAVAY, Sagamore, Pa.
Filed December 12, 1924. Serial No. 206,619. PUBLISHED FEBRUARY 17, 1925.

198,139. CHOCOLATE EMULSION FOR USE AS A TONIC. SCIENTIFIC PRODUCTS, INC., Chicago, Ill.
Filed December 11, 1924. Serial No. 206,598. PUBLISHED FEBRUARY 17, 1925.

198,140. RADIO DIALS AND KNOBS. THE KURZ-KASCH COMPANY, Dayton, Ohio.
Filed December 11, 1924. Serial No. 206,581. PUBLISHED FEBRUARY 17, 1925.

198,141. THREE-ELEMENT VACUUM RADIOTUBES. MAURICE S. HAYNES, doing business as Cleartron Vacuum Tube Co., New York, N. Y., assignor to C-T Radio Corporation, New York, N. Y., a Corporation of Delaware.
Filed December 11, 1924. Serial No. 206,574. PUBLISHED FEBRUARY 17, 1925.

198,142. COAL CHUTES. THE CLEVELAND WHEELBARROW & MANUFACTURING COMPANY, Garfield Heights, Cleveland, Ohio.
Filed December 8, 1924. Serial No. 206,397. PUBLISHED FEBRUARY 17, 1925.

198,143. HOSIERY. ASHEVILLE KNITTING MILLS, INC., Asheville, N. C.
Filed December 4, 1924. Serial No. 206,210. PUBLISHED FEBRUARY 17, 1925.

198,144. BOYS' THREE-POUND HOSIERY, MISSES' HOSIERY, AND MEN'S HALF HOSE. RAGAN KNITTING COMPANY, Thomasville, N. C.
Filed December 8, 1924. Serial No. 206,188. PUBLISHED FEBRUARY 17, 1925.

198,145. ELECTRICAL APPLIANCES—TO WIT, CHAFING DISHES, COFFEE PERCOLATORS, FLATIRONS, HEATING PADS, STOVES, TABLE STOVES, TEAKETTLES, TEA-BALL TEAPOTS, TOASTERS, AND WAFFLE IRONS. MANNING, BOWMAN & CO., Meriden, Conn.
Filed December 3, 1924. Serial No. 206,178. PUBLISHED FEBRUARY 10, 1925.

198,146. KNITTED UNDERWEAR AND HOSIERY OF FIBER SILK, SILK, COTTON, AND WOOL, AND COMBINATIONS OF THESE MATERIALS. THE DAINTYWEAR COMPANY, Waynesboro, Pa.
Filed December 2, 1924. Serial No. 206,112. PUBLISHED FEBRUARY 17, 1925.

198,147. ELECTRIC-LAMP SOCKETS. BUSCHMAN WEISSBERG & CO. INC., New York, N. Y.
Filed December 2, 1924. Serial No. 206,104. PUBLISHED FEBRUARY 10, 1925.

198,148. KITCHEN UTENSIL ESPECIALLY DESIGNED FOR USE IN TURNING OR TRANSFERRING FOODS SUCH AS EGGS OR PANCAKES. THE UTENSIL IS PREFERABLY, THOUGH NOT NECESSARILY, MADE OF BASE METAL. ACE HARDWARE MFG. CORP'N, Philadelphia, Pa.
Filed December 1, 1924. Serial No. 206,048. PUBLISHED FEBRUARY 17, 1925.

198,149. TELEPHONE HEAD SETS, LOUD SPEAKERS, AND LOUD-SPEAKER UNITS. ELECTRICAL INDUSTRIES MANUFACTURING CO., New York, N. Y.
Filed November 29, 1924. Serial No. 205,999. PUBLISHED FEBRUARY 10, 1925.

198,150. INFANTS', CHILDREN'S, AND ADULTS' UNDERWEAR, INCLUDING INFANTS' BINDERS, BANDS, SHIRTS, VESTS, WRAPPERS, PETTICOATS, WAISTS, AND GOWNS AND SLEEPING GARMENTS; CHILDREN'S VESTS, SHIRTS, DRAWERS, UNION SUITS, PETTICOATS, SLIPS, WAISTS, AND GOWNS AND SLEEPING GARMENTS; AND ADULTS' VESTS, SHIRTS, DRAWERS, BLOOMERS, AND UNION SUITS. BETTY PRODUCTS CO., Hartford, Conn.
Filed November 28, 1924. Serial No. 205,899. PUBLISHED FEBRUARY 17, 1925.

198,151. INFANTS', CHILDREN'S, AND ADULTS' UNDERWEAR, INCLUDING INFANTS' BINDERS, BANDS, SHIRTS, VESTS, WRAPPERS, PETTICOATS, WAISTS, AND GOWNS AND SLEEPING GARMENTS; CHILDREN'S VESTS, SHIRTS, DRAWERS, UNION SUITS, PETTICOATS, SLIPS, WAISTS, AND GOWNS AND SLEEPING GARMENTS; AND ADULTS' VESTS, SHIRTS, DRAWERS, BLOOMERS, AND UNION SUITS. BETTY PRODUCTS CO., Hartford, Conn.
Filed November 28, 1924. Serial No. 205,898. PUBLISHED FEBRUARY 17, 1925.

198,152. ARTIFICIAL PEARLS. COMSTOCK WOOD CO., Providence, R. I.
Filed November 26, 1924. Serial No. 205,862. PUBLISHED FEBRUARY 17, 1925.

198,153. REDUCTION MILLS. ANGLO AMERICAN MILL COMPANY, Owensboro, Ky.
Filed November 26, 1924. Serial No. 205,848. PUBLISHED FEBRUARY 17, 1925.

198,154. DRESS, NEGLIGEE, AND WORK SHIRTS. WOODSOME-MACY CO., INC., New Bedford, Mass.
Filed November 24, 1924. Serial No. 205,805. PUBLISHED FEBRUARY 17, 1925.

198,155. PHONOGRAPHS, PHONOGRAPH RECORDS, AND PHONOGRAPH NEEDLES. SUNSET RECORD CO., Los Angeles, Calif.
Filed January 5, 1925. Serial No. 207,694. PUBLISHED FEBRUARY 17, 1925.

198,156. COATS, VESTS, TROUSERS, OVERCOATS, AND RAINCOATS. THE J. L. HUDSON COMPANY, Detroit, Mich.
Filed January 2, 1925. Serial No. 207,573. PUBLISHED FEBRUARY 17, 1925.

198,157. UKULELES, BANJO UKULELES, AND STRINGS THEREFOR. PROGRESSIVE MUSICAL INSTRUMENT CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,516. PUBLISHED FEBRUARY 17, 1925.

198,158. CHEMICAL COMPOSITION FOR INCREASING THE HEATING VALUE OF COAL. W. H. STIEFEL, Angola, Ind.
Filed December 30, 1924. Serial No. 207,478. PUBLISHED FEBRUARY 10, 1925.

198,159. HOSIERY FOR CHILDREN. JOSEPH P. VOORHEES, New York, N. Y.
Filed December 30, 1924. Serial No. 207,481. PUBLISHED FEBRUARY 17, 1925.

198,160. HAIR TONIC, HAIR-COLOR RESTORER, AND DANDRUFF REMOVER. LYONS MEDICINE COMPANY, Poteau, Okla.
Filed December 30, 1924. Serial No. 207,466. PUBLISHED FEBRUARY 10, 1925.

198,161. GENERAL ANTISEPTIC AND GERMICIDE. AMERICAN BESLIN CORPORATION, New York, N. Y.
Filed December 30, 1924. Serial No. 207,436. PUBLISHED FEBRUARY 10, 1925.

198,162. LYE. WEST SIDE WHOLESALE GROCERY CO., Chicago, Ill.
Filed December 29, 1924. Serial No. 207,425. PUBLISHED FEBRUARY 10, 1925.

198,163. SALT. WEST SIDE WHOLESALE GROCERY CO., Chicago, Ill.
Filed December 29, 1924. Serial No. 207,424. PUBLISHED FEBRUARY 10, 1925.

198,164. CHILDREN'S GARMENTS—NAMELY, PLAY SUITS. PREMIER MFG. CO., INC., Lexington, Ky.
Filed December 29, 1924. Serial No. 207,401. PUBLISHED FEBRUARY 17, 1925.

198,165. CHEMICAL SPRAY MATERIAL FOR SPRAYING TOMATO PLANTS TO PREVENT NAILHEAD RUST. THE KILL-RUST CORP., Palmetto, Fla.
Filed December 29, 1924. Serial No. 207,388. PUBLISHED FEBRUARY 10, 1925.

198,166. OVERCOATS. HART, SCHAFFNER & MARX, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,351. PUBLISHED FEBRUARY 17, 1925.

198,167. CHEMICAL AND PHARMACEUTICAL PREPARATION TO BE USED AS AN ANALEPTIC AGENT. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed December 27, 1924. Serial No. 207,314. PUBLISHED FEBRUARY 10, 1925.

198,168. AMPLIFIER AND DETECTOR TUBES FOR USE IN CONNECTION WITH RADIO APPARATUS. JOSEPH J. STEINHARTER, Toledo, Ohio.
Filed December 26, 1924. Serial No. 207,268. PUBLISHED FEBRUARY 17, 1925.

198,169. ELECTRICAL INSULATED WIRE AND INSULATING COMPOUND. THE BASSETT METAL GOODS COMPANY, INC., Derby, Conn.
Filed June 25, 1924. Serial No. 199,105. PUBLISHED FEBRUARY 10, 1925.

198,170. PREPARATION COMPRISING YOLK OF EGGS WITH SUGAR AND WINE, USED AS A FOOD AND RECONSTRUCTIVE TONIC. G. B. PESTOI, Padova, Italy.
Filed June 24, 1924. Serial No. 199,090. PUBLISHED FEBRUARY 10, 1925.

198,171. FIXED AND VARIABLE CONDENSERS, RADIOTRANSFORMERS, CRYSTAL RADIODETECTORS, AND RECTIFIERS AND TUBE RECTIFIERS. DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y.
Filed June 19, 1924. Serial No. 198,794. PUBLISHED FEBRUARY 10, 1925.

198,172. HOSIERY, UNDERWEAR OF KNITTED OR TEXTILE FABRIC, SWEATERS, AND BATHING SUITS FOR MEN, WOMEN, AND CHILDREN OF WOOL, SILK, COTTON, OR ADMIXTURES OF THESE MATERIALS. SCHLESINGER BROS., New York, N. Y.
Filed June 6, 1924. Serial No. 198,197. PUBLISHED FEBRUARY 17, 1925.

198,173. ELECTRICAL INSULATORS AND ELECTRICAL INSULATING COMPOUND. CORNING GLASS WORKS, Corning, N. Y.
Filed May 31, 1924. Serial No. 197,868. PUBLISHED FEBRUARY 10, 1925.

198,174. COTTON PIECE GOODS—VIZ, UMBRELLA CLOTH. JOHN BISTER, New York, N. Y.
Filed May 19, 1924. Serial No. 197,249. PUBLISHED SEPTEMBER 9, 1924.

198,175. PREPARATION FOR THE TREATMENT OF IMPOTENCY. MONTAUK DISTRIBUTING CO., Brooklyn, N. Y.
Filed May 3, 1924. Serial No. 196,539. PUBLISHED FEBRUARY 17, 1925.

198,176. CERTAIN PIECE GOODS. HAAS BROTHERS FABRICS CORPORATION, New York, N. Y.
Filed April 23, 1924. Serial No. 196,017. PUBLISHED JUNE 17, 1924.

198,177. IGNITION TIMERS FOR INTERNAL-COMBUSTION ENGINES. BLUBLAKE MOTOR SPECIALTIES CORP., Long Island City, N. Y.
Filed April 16, 1924. Serial No. 195,630. PUBLISHED JULY 22, 1924.

198,178. WRITING PAPER. THE CHATFIELD & WOODS COMPANY, Cincinnati, Ohio.
Filed September 29, 1924. Serial No. 203,165. PUBLISHED DECEMBER 16, 1924.

198,179. CIGARS. JOSE ESCALANTE & CO., Chicago, Ill.
Filed January 2, 1925. Serial No. 207,557. PUBLISHED FEBRUARY 24, 1925.

198,180. ARTIFICIAL SILK IN THE PIECE. LIBERTY & CO. LIMITED, London, England.
Filed September 27, 1924. Serial No. 203,132. PUBLISHED FEBRUARY 17, 1925.

198,181. TONIC MEDICINE. THE FLORIDA PRODUCTS ASSOCIATION, Miami, Fla.
Filed September 10, 1924. Serial No. 202,444. PUBLISHED JANUARY 27, 1925.

198,182. RADIO RECEIVING SETS, RADIOREPRODUCERS, RADIO AND AUDIOFREQUENCY AMPLIFIER UNITS, RADIO POWER UNITS, RADIO VACUUM TUBES, RADIOVARIOMETERS, RADIOVARIOCOUPLERS, POTENTIOMETERS, RHEOSTATS, COILS, RADIO KITS, VACUUM-TUBE SOCKETS, TRANSFORMERS (RADIOFREQUENCY AND AUDIOFREQUENCY), ANTENNA LOOPS, PHONOGRAPH ADAPTERS FOR CONNECTING RADIO INSTRUMENTS AND PHONOGRAPHS MICROPHONIC REPRODUCERS, HEAD SETS, RADIODIALS, AND ELECTRIC BATTERIES. MUSIC MASTER CORPORATION, Philadelphia, Pa.
Filed August 28, 1924. Serial No. 201,970. PUBLISHED FEBRUARY 10, 1925.

198,183. ELECTRIC FURNACES AND OVENS AS ARE TOTALLY HEATED BY ELECTRIC HEAT, WITHOUT THE ASSISTANCE OF OTHER FUELS OF ANY TYPE, GENERATED BY MEANS OF UNITS MADE OF METAL OR CARBON OR ITS COMBINATION, AND FOR USE IN INDUSTRIAL PLANTS FOR THE MANUFACTURE OF THEIR PRODUCTS, OR FOR THE MANUFACTURE OF MACHINERY OR SUPPLIES AS USED FOR THE MANUFACTURE OF THEIR PRODUCTS. R. H. CUNNINGHAM AND COMPANY, London, Ontario, Canada.
Filed August 25, 1924. Serial No. 201,837. PUBLISHED FEBRUARY 10, 1925.

198,184. PREPARATION FOR USE AS A MOTHER'S MILK PRODUCING AND RECONSTRUCTING REMEDY. CATHERINE M. WARE, New York, N. Y.
Filed August 22, 1924. Serial No. 201,786. PUBLISHED FEBRUARY 17, 1925.

198,185. TOILET CREAM OR LOTION FOR THE SKIN. DAVIES, ROSE & CO., LTD., Boston, Mass.
Filed August 12, 1924. Serial No. 201,286. PUBLISHED FEBRUARY 17, 1925.

198,186. CHEMICAL PREPARATION USED AS AN INSECT EXTERMINATOR. EAST INDIAN CHEMICAL CO. INC., New York, N. Y.
Filed August 8, 1924. Serial No. 201,128. PUBLISHED FEBRUARY 17, 1925.

198,187. PHARMACEUTIC PREPARATIONS—NAMELY, CARBON LOZENGES ACTING AS A DISINFECTANT FOR THE INTESTINAL TRACT AND AS A MILD LAXATIVE. FRANZ TRENKA, doing business as F. Trenka Chemisch-Pharmazeutische Fabrik, Vienna, Austria.
Filed July 25, 1924. Serial No. 200,534. PUBLISHED FEBRUARY 17, 1925.

198,188. CANDY. KISSE BROTHERS COMPANY, Springfield, Mass.
Filed July 21, 1924. Serial No. 200,322. PUBLISHED SEPTEMBER 30, 1924.

198,189. SUITS, PARTS THEREOF, AND OVERCOATS. SIX LITTLE TAILORS, Boston, Mass.
Filed July 14, 1924. Serial No. 200,015. PUBLISHED FEBRUARY 17, 1925.

198,190. ORNAMENTAL BOXES OF WOOD, METAL, PAPER, OR CARDBOARD ADAPTABLE AS A RECEPTACLE FOR CANDY, JEWELRY, OR OTHER ARTICLES WHERE AN ORNAMENTAL BOX IS DESIRABLE. GRANDETTE MANUFACTURING COMPANY, NOT INC., Chicago, Ill.
Filed November 19, 1924. Serial No. 205,526. PUBLISHED FEBRUARY 24, 1925.

198,191. CONTAINERS AND CARRIERS OF CANVAS FOR FRESH WATER FOR DRINKING PURPOSES. THE COLORADO TENT & AWNING COMPANY, Denver, Colo.
Filed July 1, 1924. Serial No. 199,417. PUBLISHED FEBRUARY 24, 1925.

198,192. PUZZLE GAME. GERALD S. SEESHOLTZ, doing business as S. & S. Manufacturing Company, Columbus, Ohio.
Filed December 18, 1923. Serial No. 180,868. PUBLISHED FEBRUARY 24, 1925.

198,193. LACQUERS AND VARNISHES. ZOELLNER-WERKE AKTIENGESELLSCHAFT FÜR FARBEN-UND LACKFABRIKATION VORMALS S. H. COHN, Neukolln, Germany.
Filed September 20, 1924. Serial No. 202,844. PUBLISHED FEBRUARY 24, 1925.

198,194. LACQUERS AND VARNISHES. ZOELLNER-WERKE AKTIENGESELLSCHAFT FÜR FARBEN-UND LACKFABRIKATION VORMALS S. H. COHN, Neukolln, Germany.
Filed September 20, 1924. Serial No. 202,843. PUBLISHED FEBRUARY 24, 1925.

198,195. EASELS AND SUPPORTS FOR DISPLAY CARDS, PICTURES, ADVERTISEMENTS, DISPLAY FIGURES, PLAYTHINGS, AND THE LIKE. STAND PAT EASEL CO., Detroit, Mich.
Filed August 30, 1924. Serial No. 202,082. PUBLISHED FEBRUARY 3, 1925.

198,196. MATTRESSES. HENRY M. HERSENER, Memphis, Tenn.
Filed June 6, 1924. Serial No. 198,184. PUBLISHED JANUARY 20, 1925.

198,197. SHINGLES. PYRAMID TWIN SHINGLE COMPANY, Chicago, Ill.
Filed December 28, 1923. Serial No. 190,207. PUBLISHED JANUARY 13, 1925.

198,198. DISTILLED WATER AND NONALCOHOLIC, CARBONATED MALTLESS BEVERAGES SOLD AS SOFT DRINKS. JAMESTOWN BREWING CO., Jamestown, N. Y.
Filed May 14, 1923. Serial No. 180,604. PUBLISHED AUGUST 5, 1924.

198,199. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,782. PUBLISHED FEBRUARY 24, 1925.

198,200. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,729. PUBLISHED FEBRUARY 24, 1925.

198,201. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,727. PUBLISHED FEBRUARY 24, 1925.

198,202. ARTIFICIAL MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,725. PUBLISHED FEBRUARY 24, 1925.

198,203. WIRE LEADERS FOR FISH HOOKS, BAITS, SPOONS, ETC. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,724. PUBLISHED FEBRUARY 24, 1925.

198,204. FISHING REELS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,723. PUBLISHED FEBRUARY 24, 1925.

198,205. ARTIFICIAL MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,720. PUBLISHED FEBRUARY 24, 1925.

198,206. FISHING-REEL BRAKES. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,717. PUBLISHED FEBRUARY 24, 1925.

198,207. SMOKING AND CHEWING TOBACCO. THE ZORRO TOBACCO CO. INC., New York, N. Y.
Filed December 30, 1924. Serial No. 207,484. PUBLISHED FEBRUARY 24, 1925.

198,208. VEHICLES SOMEWHAT SIMILAR TO WHEELED SLEDS OR TOBOGGANS. HUNT, HELM, FERRIS & CO., Harvard, Ill.
Filed November 20, 1924. Serial No. 205,602. PUBLISHED FEBRUARY 24, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

198,209. (CLASS 37. PAPER AND STATIONERY.) McLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 2, 1923. Serial No. 176,848.

PASTEL

The trade-mark consists of the word "Pastel."
Particular description of goods.—Coated Paper Adapted Especially for Book Papers, Cigar Bands, and Labels.
Claims use since about Dec. 1, 1922.

198,210. (CLASS 37. PAPER AND STATIONERY.) AMERICAN WRITING PAPER COMPANY, Holyoke, Mass. Filed Jan. 7, 1924. Serial No. 190,487.

Hadley Vellum

Particular description of goods.—Announcement Paper, Cards, and Mailing Envelopes.
Claims use since Dec. 6, 1923.

198,211. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE CINCINNATI SOAP COMPANY, Cincinnati, Ohio. Filed Feb. 6, 1924. Serial No. 191,873.

SOLIDIFIED COCOANUT OIL

Particular description of goods.—Shampoo Soaps.
Claims use since May, 1923.

198,212. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) QUADRANGLE MFG. CO., Chicago, Ill. Filed Feb. 27, 1924. Serial No. 192,926.

"Plug-in-Switch"

Particular description of goods.—Pendant Switches with Live Plug Receptacles.
Claims use since Dec. 31, 1923.

198,213. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENIS THEODORU, doing business as Denis Theodoru & Company, Springfield, Mass. Filed Mar. 28, 1924. Serial No. 194,628.

Theodor's

Gall-Stone Elixirium

Particular description of goods.—Internal Remedies in Liquid Form for the Treatment of Gallstones.
Claims use since Mar. 10, 1924.

198,214. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DENIS THEODORU, doing business as Denis Theodoru & Company, Springfield, Mass. Filed Mar. 28, 1924. Serial No. 194,629.

Theodor's

Dysenterical Elixirium

Particular description of goods.—Internal Remedies in Liquid Form for the Treatment of Dysentery.
Claims use since Mar. 10, 1924.

198,215. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE REMMERS SOAP COMPANY, Cincinnati, Ohio. Filed Mar. 29, 1924. Serial No. 194,061.

Lemon Foam

Particular description of goods.—Soap.
Claims use since Feb. 20, 1924.

198,216. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed May 8, 1924. Serial No. 196,776.

MAKE THE CHART YOUR GUIDE

Particular description of goods.—Lubricating Oils.
Claims use since July 10, 1922.

198,217. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) EUGEN GEISLER CO., INC., Chicago, Ill. Filed July 11, 1924. Serial No. 199,883.

Tenor Brand
First Quality White Calf

Particular description of goods.—Drumheads.
Claims use since Feb. 15, 1923.

198,218. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES TOZZI, doing business as James Tozzi & Co., New York, N. Y. Filed Aug. 8, 1924. Serial No. 201,163.



Lining in the drawing is there simply to agree with the specimens.
Particular description of goods.—Fresh Grapes.
Claims use since January, 1924.

198,219. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE MCGREW MACHINE COMPANY, Lincoln, Nebr. Filed Oct. 27, 1924. Serial No. 204,466.



Particular description of goods.—Folding Camp Beds, Chairs, Stools, and Tables.
Claims use since Jan. 15, 1924.

198,220. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind. Filed Dec. 8, 1924. Serial No. 206,488.

SACO

Particular description of goods.—Ready-Mixed Paints.
Claims use since Feb. 10, 1910.

198,221. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. J. SHERCENGOST CO., doing business as Hondo Valley Orchards, Roswell, N. Mex. Filed Jan. 16, 1925. Serial No. 208,209.

HONDO

Particular description of goods.—Fresh Apples.
Claims use since Aug. 1, 1923.

198,222. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KAY BEE MANUFACTURING COMPANY, Los Angeles, Calif. Filed Jan. 20, 1925. Serial No. 208,347.

WIG WAG

Particular description of goods.—Electrically-Illuminated Stop and Direction Signals for Use on Automobiles.
Claims use since October, 1923.

198,223. (CLASS 2. RECEPTACLES.) THE GENERAL FIREPROOFING COMPANY, Youngstown, Ohio. Filed Jan. 21, 1925. Serial No. 208,392.

Allsteel

Particular description of goods.—Metallic Boxes for the Storage of Papers and Like Purposes, Cash Drawers, and Wastebaskets.
Claims use since February, 1903.

198,224. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) VORCLONE COMPANY, Milwaukee, Wis. Filed Jan. 22, 1925. Serial No. 208,496.

"Dry By Air"

Particular description of goods.—Laundry and Dry-Cleaning Drying Tumblers.
Claims use since Jan. 1, 1923.

198,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. W. KLEIN, doing business as K Z Co., Altoona, Ala. Filed Jan. 23, 1925. Serial No. 208,525.

MEXICAN BUG KILLER

Particular description of goods.—Powders for Exterminating the Mexican Bean Beetle, Potato Bug, and All Other Leaf-Eating Insects, and Cabbage, Tomato, and Tobacco Worms.
Claims use since Mar. 1, 1924.

198,226. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FRANK E. PLOWMAN, doing business as Frank E. Plowman Co., Chicago, Ill. Filed Feb. 11, 1925. Serial No. 209,428.

GLO-LETR

Particular description of goods.—Electric Signs.
Claims use since July 2, 1922.

198,227. (CLASS 38. PRINTS AND PUBLICATIONS.) REINTHAL & NEWMAN, New York, N. Y. Filed Feb. 12, 1925. Serial No. 209,497.

THE HOUSE OF ART

Particular description of goods.—Art Post Cards, Art Pictures, Photogravures, Mezzo Prints, Mezzo Proofs, Printed Art Mottoes, Mezzo Gravures, Art Prints.
Claims use since Jan. 1, 1901.

TRADE-MARK REGISTRATIONS RENEWED

44,509. SOAP. Registered July 11, 1905. WILLIAM WALTKE & CO., St. Louis, Mo., a Corporation of West Virginia. Renewed July 11, 1925.

44,667. PIN TICKETS, TAGS, AND LABELS. Registered July 18, 1905. A. KIMBALL CO., New York, N. Y., a Corporation of New York. Renewed July 18, 1925.

44,668. PIN TICKETS, TAGS, AND LABELS. Registered July 18, 1905. A. KIMBALL CO., New York, N. Y., a Corporation of New York. Renewed July 18, 1925.

44,672. LEATHER TOE PROTECTORS FOR BOOTS OR SHOES AND SHOE TIPS. Registered July 18, 1905. THE AMERICAN SHOE TIP COMPANY, New Haven, Conn., and Boston, Mass. Renewed July 18, 1925, to The American Shoe Tip Company, Boston, Mass., a Corporation of Maine, assignee.

44,707. A REMEDY FOR DYSPEPSIA, CATARRH OF THE STOMACH, ULCERS, AND OTHER MICROBIAN DISEASES. Registered July 18, 1905. THE DREVET MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed July 18, 1925.

44,746. GINGER ALE. Registered July 25, 1905. THE WESTERHOLM COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed July 25, 1925.

44,749. WRITING PAPER AND ENVELOPES. Registered July 25, 1905. MARCUS WARD COMPANY. Renewed July 25, 1925, to Marcus Ward, Inc., New York, N. Y., a Corporation of Massachusetts, assignee.

44,794. TOILET SOAP. Registered July 25, 1905. MÜLHENS & KROPFF. Renewed July 25, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

44,816. PIN TICKETS, TAGS, AND LABELS. Registered July 25, 1905. A. KIMBALL CO., New York, N. Y., a Corporation of New York. Renewed July 25, 1925.

44,821. TOILET SOAP. Registered July 25, 1905. MÜLHENS & KROPFF. Renewed July 25, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

44,822. TOILET SOAP. Registered July 25, 1905. MÜLHENS & KROPFF. Renewed July 25, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

44,847. HOSIERY MADE OF TEXTILE YARNS. Registered July 25, 1905. SHAW STOCKING CO., Lowell, Mass., a Corporation of Massachusetts. Renewed July 25, 1925.

44,881. A REMEDY FOR THE DESTRUCTION OF BACTERIA, MICROBES, AND GERMS IN THE HUMAN SYSTEM. Registered July 25, 1905. THE DREVET MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed July 25, 1925.

44,947. ANTISEPTIC FLUID FOR INTERNAL AND EXTERNAL USE. Registered August 1, 1905. MÜLHENS & KROPFF. Renewed August 1, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,068. DIE FORGINGS. Registered August 8, 1905. BILLINGS & SPENCER COMPANY, Hartford, Conn., a Corporation of Connecticut. Renewed August 8, 1925.

45,076. KEY-OPERATED CALCULATING MACHINES. Registered August 8, 1905. FELT & TARRANT MFG. CO., Chicago, Ill., a Corporation of Illinois. Renewed August 8, 1925.

45,205. PEROXID OF HYDROGEN. Registered August 8, 1905. THE DREVET MANUFACTURING COMPANY, New York, N. Y., a Corporation of New York. Renewed August 8, 1925.

45,277. PIN TICKETS, TAGS, AND LABELS. Registered August 8, 1905. A. KIMBALL CO., New York, N. Y., a Corporation of New York. Renewed August 8, 1925.

45,479. PERFUME AND TOILET WATER. Registered August 22, 1905. MÜLHENS & KROPFF. Renewed August 22, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,559. CIGARS. Registered August 22, 1905. F. R. RICE MERCANTILE CIGAR CO., St. Louis, Mo., a Corporation of Missouri. Renewed August 22, 1925.

45,588. LEATHER BOOTS AND SHOES. Registered August 22, 1905. LEWIS A. CROSSETT. Renewed August 22, 1925, to Lewis A. Crossett Co., North Abington, Mass., a Corporation of Massachusetts, assignee.

45,615. PIGMENTS. Registered August 22, 1905. SEMET-SOLVAY COMPANY, Pittsburgh, Pa. Renewed August 22, 1925, to Semet-Solvay Company, Syracuse, N. Y., a Corporation of New York, assignee.

45,617. COLOGNE WATER, FLORIDA WATER, AND PERFUMERY. Registered August 22, 1905. MÜLHENS & KROPFF. Renewed August 22, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,649. CLAY FIRE BRICKS. Registered August 22, 1905. MCLEOD & HENRY CO., Troy, N. Y., a Corporation of New York. Renewed August 22, 1925.

45,679. LEATHER BOOTS AND SHOES. Registered August 29, 1905. LEWIS A. CROSSETT. Renewed August 29, 1925, to Lewis A. Crossett Co., North Abington, Mass., a Corporation of Massachusetts, assignee.

45,692. WATCHCASES. Registered August 29, 1905. THE FAHYS WATCH CASE CO., Sag Harbor, N. Y. Renewed August 29, 1925, to Joseph Fahys & Co., New York, N. Y., a Corporation of New York, assignee.

45,709. TOILET SOAP. Registered August 29, 1905. MÜLHENS & KROPFF. Renewed August 29, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,727. COLORS DRY OR MIXED WITH OIL. Registered August 29, 1905. WADSWORTH, HOWLAND & CO. INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed August 29, 1925.

45,743. PERFUMERY. Registered August 29, 1905. MÜLHENS & KROPFF. Renewed August 29, 1925, to Mulhens & Kropf Inc., New York, N. Y., a Corporation of New York, assignee.

45,753. VARNISHES. Registered August 29, 1905. WADSWORTH, HOWLAND & CO. INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed August 29, 1925.

45,772. LEATHER BOOTS AND SHOES. Registered August 29, 1905. E. T. WRIGHT & CO. Renewed August 29, 1925, to E. T. Wright & Co. Inc., Rockland, Mass., a Corporation of Massachusetts, assignee.

45,775. HAIR TONIC. Registered August 29, 1905. MÜLHENS & KROPFF. Renewed August 29, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,786. CROUP SPECIFIC. Registered August 29, 1905. WILLIAM W. LEE. Renewed August 29, 1925, to William W. Lee & Co., Troy, N. Y., assignee.

45,817. REMEDIES FOR MALNUTRITION. Registered August 29, 1905. CARNRICK PHARMACAL CO. Renewed August 29, 1925, to G. W. Carnrick Co., New York, N. Y., a Corporation of New York, assignee.

45,875. A MONTHLY AGRICULTURAL PAPER OR PERIODICAL. Registered August 29, 1905. WILMER ATKINSON CO., Philadelphia, Pa., a Corporation of Pennsylvania. Renewed August 29, 1925.

45,891. COAL. Registered August 29, 1905. GLEN ALUM COAL CO., Glenalum, W. Va., a Corporation of West Virginia. Renewed August 29, 1925.

46,017. PIG IRON. Registered September 5, 1905. CLINTON IRON AND STEEL COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed September 5, 1925.

46,164. A REMEDY FOR PURIFYING THE BLOOD. Registered September 5, 1905. THE WEBER MEDICAL TEA CO., Brooklyn, N. Y., a Corporation of West Virginia. Renewed September 5, 1925.

46,166. A LUSTER OR VARNISH. Registered September 5, 1905. WADSWORTH, HOWLAND & CO. INCORPORATED, Boston, Mass., a Corporation of Massachusetts. Renewed September 5, 1925.

46,196. VALVES AND PARTS OF VALVES. Registered September 12, 1905. ALFRED B. JENKINS. Renewed September 12, 1925, to Jenkins Bros., New York, N. Y., a Corporation of New Jersey, assignee.

46,206. PENS. Registered September 12, 1905. THE SPENCERIAN PEN CO., New York, N. Y., a Corporation of New Jersey. Renewed September 12, 1925.

46,208. CLOCKS. Registered September 12, 1905. WATERBURY CLOCK CO., Waterbury, Conn., a Corporation of Connecticut. Renewed September 12, 1925.

46,214. A PROPRIETARY MEDICINE FOR THE TREATMENT OF THE ILLS OF CHILDREN. Registered September 12, 1905. THE ANGLO AMERICAN DRUG CO. Renewed September 12, 1925, to Anglo American Drug Company, New York, N. Y., a Corporation of New York, assignee.

46,215. HAIR RESTORER AND DANDRUFF CURE. Registered September 12, 1905. JAMES LEFEVER BRADLEY, Plainfield, N. J. Renewed September 12, 1925.

46,229. A TONIC COMPOUND. Registered September 12, 1905. THE PURDUE FREDERICK CO., New York, N. Y., a Corporation of New York. Renewed September 12, 1925.

46,403. BOILERS. Registered September 19, 1905. RICHARDSON & BOYNTON CO., New York, N. Y., a Corporation of New York. Renewed September 19, 1925.

46,431. CORDS, LINES, TWINES, AND ROPES. Registered September 19, 1905. SILVER LAKE COMPANY, Boston, Mass. Renewed September 19, 1925, to Silver Lake Company, Newton, Mass., a Corporation of Massachusetts, assignee.

46,449. A LIQUID MEDICINAL PREPARATION. Registered September 19, 1905. WILLIS F. DARLING, West Derry, N. H. Renewed September 19, 1925, to Felix Seeler, doing business as Hemlock Oil Co., Derry, N. H., successor.

46,459. MALT EXTRACT. Registered September 19, 1905. MALT-DIASTASE CO. Renewed September 19, 1925, to Maltzyne Company, Brooklyn, N. Y., a Corporation of New York, assignee.

46,465. TOILET SOAP. Registered September 19, 1905. MÜLHENS & KROPFF. Renewed September 19, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

46,466. A CREAM OINTMENT. Registered September 19, 1905. NATIONAL TOILET COMPANY, Paris, Tenn., a Corporation of Tennessee. Renewed September 19, 1925.

46,506. STOVES, FURNACES, AND PARTS OF STOVES AND FURNACES. Registered September 26, 1905. CHARTER OAK STOVE AND RANGE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed September 26, 1925.

46,507. STOVES, FURNACES, AND PARTS OF STOVES AND FURNACES. Registered September 26, 1905. CHARTER OAK STOVE AND RANGE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed September 26, 1925.

46,508. STOVES, FURNACES, AND PARTS OF STOVES AND FURNACES. Registered September 26, 1905. CHARTER OAK STOVE AND RANGE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed September 26, 1925.

46,509. STOVES, FURNACES, AND PARTS OF STOVES AND FURNACES. Registered September 26, 1905. CHARTER OAK STOVE AND RANGE COMPANY, St. Louis, Mo., a Corporation of Missouri. Renewed September 26, 1925.

46,526. BRAIDED CORDS. Registered September 26, 1905. SILVER LAKE COMPANY, Boston, Mass. Renewed September 26, 1925, to Silver Lake Company, Newton, Mass, a Corporation of Massachusetts, assignee.

46,556. VARNISHES, JAPANS, OIL FINISH, AND BRONZING LIQUID. Registered September 26, 1905. MAYER & LOEWENSTEIN. Renewed September 26, 1925, to Mayer & Loewenstein, New York, N. Y., a Corporation of New York, successor.

46,561. TABLE SIRUP. Registered September 26, 1905. NEW YORK GLUCOSE CO. Renewed September 26, 1925, to Corn Products Refining Company, New York, N. Y., a Corporation of New Jersey, assignee.

46,562. TABLE SIRUP. Registered September 26, 1905. NEW YORK GLUCOSE CO. Renewed September 26, 1925, to Corn Products Refining Company, New York, N. Y., a Corporation of New Jersey, assignee.

46,564. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered September 26, 1905. PHILADELPHIA WATCH CASE CO. Renewed September 26, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successor.

46,597. LEATHER BOOTS AND SHOES. Registered September 26, 1905. LEWIS A. CROSSETT. Renewed September 26, 1925, to Lewis A. Crossett Co., North Abington, Mass., a Corporation of Massachusetts, assignee.

46,629. ROASTED AND GROUND COFFEE. Registered September 26, 1905. NEW ORLEANS COFFEE CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed September 26, 1925.

46,646. A REMEDY FOR CHILDREN'S DISEASES. Registered September 29, 1905. THE ANGLO AMERICAN DRUG CO. Renewed September 29, 1925, to Anglo American Drug Company, New York, N. Y., a Corporation of New York, assignee.

46,647. PETTICOATS. Registered September 26, 1905. THE DIELHENN MANUFACTURING COMPANY, Massillon, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,712. HORSE BLANKETS. Registered October 3, 1905. NEWICHAWANICK COMPANY, South Berwick, Me., a Corporation of Maine. Renewed October 3, 1925.

REISSUES

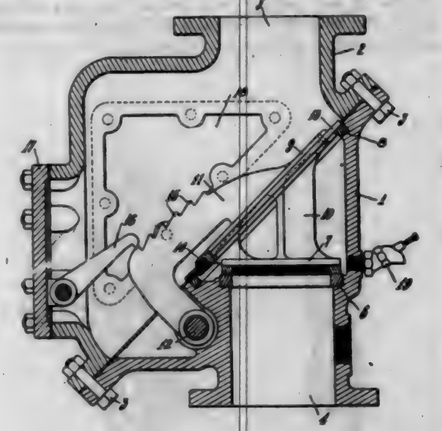
MAY 5, 1925.

16,059. TOY BOAT. RAYMOND E. HUNT, Cleveland, Ohio. Filed Feb. 2, 1925. Serial No. 6,483. Original No. 1,521,185, dated Dec. 30, 1924, Serial No. 432,020, filed Dec. 24, 1920. 4 Claims. (Cl. 46—57.)



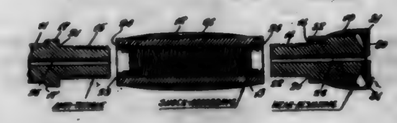
1. In a combined toy land and water boat, a combination of a buoyant hull of dry wood of even density and thus of substantially uniform specific gravity throughout, a superstructure mounted centrally on said hull of limited lateral extent as compared with said hull, movable elements of irregular configuration comprised in said superstructure counterbalanced so as to at all times present equal amounts of weight along the median line of said hull, and rollers symmetrically disposed with respect to said median line so that said boat will be of relatively stable equilibrium whether used as an aquatic or as a land toy.

16,060. DRY-PIPE VALVE. ALBERT J. LOEPSINGER, Cranston, R. I., assignor to General Fire Extinguisher Company, New York, N. Y., a Corporation of New York. Filed July 15, 1918. Serial No. 245,110 Original No. 1,196,874, dated Sept. 5, 1916, Serial No. 592,810, filed Nov. 17, 1910. 13 Claims. (Cl. 169—22.)



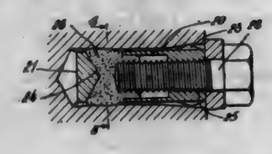
1. A dry pipe valve comprising an air valve and a water valve arranged to close the waterway at each valve and transmit pressure from one to the other when seated and valve-carrying means mounted outside of the waterway to swing about a center with respect to which the air valve has greater leverage than the water valve.

16,061. DRILL. FRED W. THURSTON, New York, N. Y. Filed Mar. 30, 1925. Serial No. 19,536. Original No. 1,477,855, dated Dec. 18, 1923, Serial No. 534,858, filed Apr. 18, 1922. 14 Claims. (Cl. 255—64.)



1. A drill adapted to be percussively driven into rock and the like, comprising a separable bit and drill rod, including an intermediate member; said bit being formed and tempered to have wear-resisting properties as its dominant characteristic, said drill rod being formed and tempered to have anti-fatigue properties as its dominant characteristic, said intermediate member being formed and tempered to have shock absorbing properties as its dominant characteristic.

16,062. BOLT ANCHOR. CHARLES C. TOMKINSON, Plainfield, N. J., assignor to John Edward Ogden, Mountainville, N. Y. Filed Oct. 17, 1924. Serial No. 744,293. Original No. 1,487,290, dated Mar. 18, 1924, Serial No. 491,833, filed Aug. 11, 1921. 27 Claims. (Cl. 72—105.)

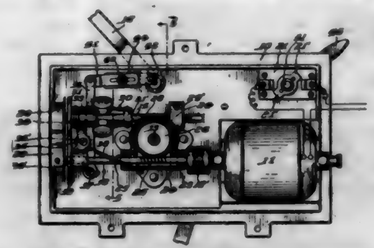


1. An anchor comprising a one piece expansion shield of relatively hard metal and having expansible elements and an expanding element consisting of a mass of relatively soft metal positioned within said shield, and substantially filling the space between said expansible elements.

16,063. MOTOR DRIVE FOR TALKING MACHINES. LOUIS P. VALIQUET, Chicago, Ill., assignor, by mesne assignments, to Victor Talking Machine Company, Camden, N. J., a Corporation of New Jersey. Filed July 24, 1924. Serial No. 728,046. Original No. 1,465,772, dated Aug. 21, 1923, Serial No. 449,404, filed Mar. 3, 1921. 16 Claims. (Cl. 188—187.)

5. In a drive of the character described, the combination of an electric motor, a shaft directly driven thereby bearing a brake-member rotatable therewith, a table shaft, worm gearing having machine threads between the drive shaft and the table shaft, a governor shaft having an undercut worm, geared to the main shaft, said shaft carrying a governor having a movable brake-receptice surface, a rocker lever having pads for respective coaction with said two brake surfaces of the governor and the drive shaft, a main governor lever pivotally carrying said rocker lever, a spring interposed

between said two levers tending to rock said rocker lever to effect brake contact with the drive shaft brake surface and out of contact with the governor brake



surface, and means for moving the main governor lever, comprising a handle and quick-adjustment link-connection between the handle and the main governor lever.

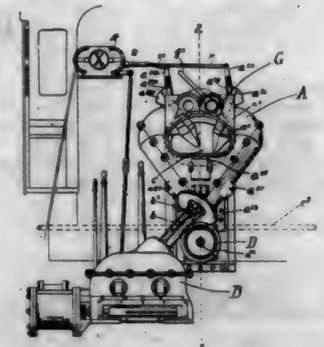
16,064. CHAIR BASE. THOMAS W. FOOTE, Cleveland, Ohio. Filed May 26, 1921. Serial No. 472,892. Original No. 1,303,646, dated May 13, 1919, Serial No. 267,888, filed Dec. 23, 1918. 11 Claims. (Cl. 11—33.)



1. A chair base, comprising legs having a plurality of oppositely disposed tenons on their inner ends and adapted to interengage over portions of the areas of said tenons, and a series of blocks formed with similarly disposed tenons, adapted to interengage with the tenons on said legs to form a solid joint.

16,065. AUTOMATIC STOKER. WILLIAM T. HANNA, Cincinnati, Ohio. Filed Mar. 13, 1925. Serial No. 15,384. Original No. 1,497,014, dated June 10, 1924, Serial No. 430,020, filed Dec. 11, 1920. 18 Claims. (Cl. 110—101.)

18. In combination, with a furnace having a fuel feed opening in a wall thereof, a housing mounted externally on the wall and embracing the fuel feed opening, means adapted to supply fuel to the side of the housing and of the fuel feed opening, distributors mounted in the



housing and adapted to receive the fuel at the sides of the housing and to direct it to the fuel feed opening, and means for actuating the distributors.

16,066. TUBE AND HINGE FOR TRANSFER BINDERS. GEORGE W. NEWMAN, Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company, a Corporation of Massachusetts. Filed Dec. 6, 1924. Serial No. 754,440. Original No. 1,509,307, dated Sept. 23, 1924, Serial No. 706,398, filed Apr. 14, 1924. 8 Claims. (Cl. 129—12.)



6. A clamping member for loose leaf binders, comprising a flattened tubular member, and hinge bearings having oppositely extending attaching flanges welded to the exterior of said member, said bearing members projecting in line with the major axis of the tubular member.

DESIGNS

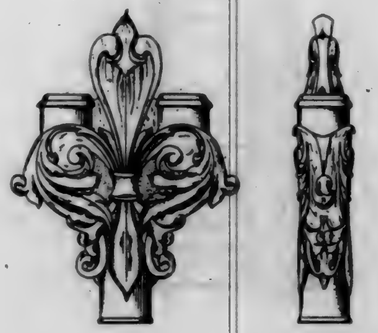
MAY 5, 1925.

67,181. SPINDLE FOR LIGHTING FIXTURES. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,916. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures as shown.

67,182. SPINDLE FOR LIGHTING FIXTURES. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,922. Term of patent 3½ years.



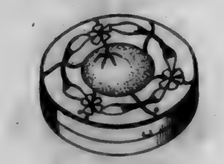
The ornamental design for a spindle for lighting fixtures as shown.

67,183. LAMP STAND. ARTHUR P. ALBRIGHT, Detroit, Mich. Filed Mar. 23, 1923. Serial No. 5,573. Term of patent 3½ years.



The ornamental design for a lamp stand, as shown.

67,184. VANITY CASE. JACOB AVIDAN, Freeport, N. Y., assignor to Lippmann, Spier & Hahn, New York, N. Y. Filed Feb. 7, 1925. Serial No. 12,308. Term of patent 7 years.



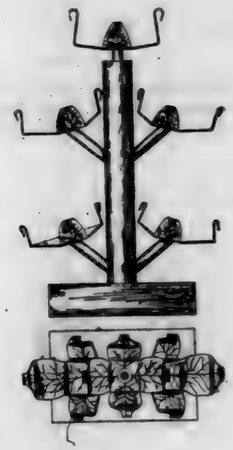
The ornamental design for a vanity case, as shown.

67,185. BOTTLE. DAVID BRAND, Houston, Tex., assignor to Brand Bottling Works, Houston, Tex., a Firm. Filed Feb. 7, 1925. Serial No. 12,298. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,186. DISPLAY RACK. EDWARD Y. CROSSMORE, Toledo, Ohio. Filed Jan. 30, 1925. Serial No. 12,200. Term of patent 14 years.



The ornamental design for a display rack as shown.

67,187. BRACKET LANTERN FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Jan. 31, 1925. Serial No. 12,222. Term of patent 7 years.



The ornamental design for a bracket lantern for lighting fixtures, as shown.

67,188. BOTTLE. JEROME P. CURRAN, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 8, 1924. Serial No. 11,616. Term of patent 14 years.



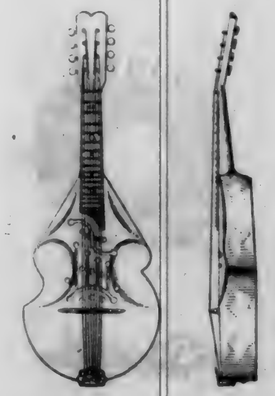
The ornamental design for a bottle, substantially as shown.

67,189. BOTTLE. JEROME P. CURRAN, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 8, 1924. Serial No. 11,617. Term of patent 14 years.



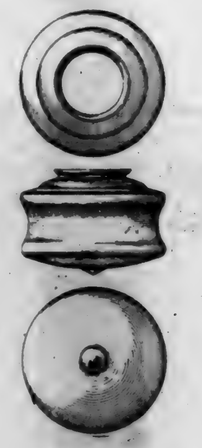
The ornamental design for a bottle, substantially as shown.

67,190. MANDOLIN. LUIGI DI MILLO, Buffalo, N. Y. Filed Sept. 4, 1924. Serial No. 10,677. Term of patent 7 years.



The ornamental design for a mandolin, as shown.

67,191. LAMP BOWL. EDWARD T. DOWNS, Chicago, Ill. Filed July 23, 1924. Serial No. 10,227. Term of patent 3½ years.



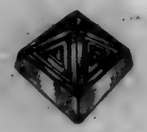
The ornamental design for a lamp bowl, as shown.

67,192. CANDY UNIT. SAMUEL I. EPSTEIN, Brooklyn, N. Y. Filed Mar. 7, 1925. Serial No. 12,626. Term of patent 7 years.



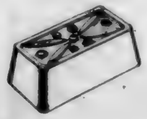
The ornamental design for a candy unit as shown.

67,193. CANDY UNIT. SAMUEL I. EPSTEIN, Brooklyn, N. Y. Filed Mar. 7, 1925. Serial No. 12,627. Term of patent 7 years.



The ornamental design for a candy unit as shown.

67,194. CANDY UNIT. SAMUEL I. EPSTEIN, Brooklyn, N. Y. Filed Mar. 7, 1925. Serial No. 12,620. Term of patent 7 years.



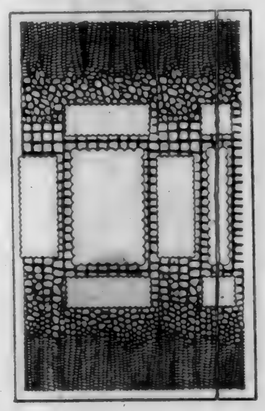
The ornamental design for a candy unit as shown.

67,195. HOSIERY. JOHN E. FITZGIBBON, Milwaukee, Wis., assignor to Phoenix Hosiery Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Nov. 11, 1922. Serial No. 4,264. Term of patent 7 years.



The ornamental design for hosiery, as shown.

67,196. SHEET OF WRAPPING PAPER. EMILE FRISCH, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 8,611. Term of patent 3½ years.



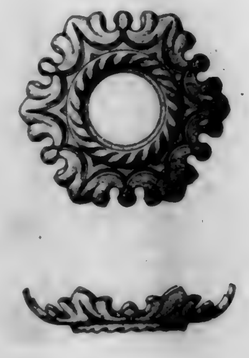
The ornamental design for a sheet of wrapping paper substantially as shown.

67,197. FOUNTAIN FOR DISPENSING BEVERAGE. HENRY GEHRING, Cleveland, Ohio. Filed Feb. 4, 1925. Serial No. 12,264. Term of patent 3½ years.



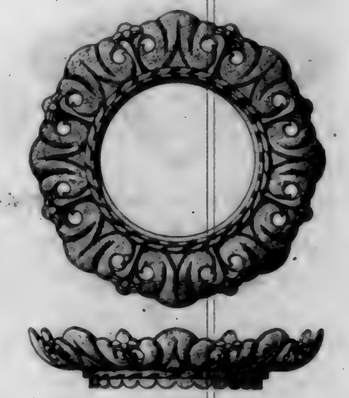
The ornamental design for a fountain for dispensing beverage, as shown.

67,198. BOBECHE OR ADAPTER FOR LIGHTING FIXTURES. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Jan. 31, 1925. Serial No. 12,211. Term of patent 7 years.



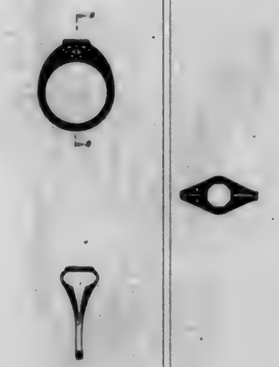
The ornamental design for a bobeche or adapter for lighting fixtures, substantially as shown.

67,199. LIGHTING-FIXTURE RING. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Jan. 31, 1925. Serial No. 12,212. Term of patent 7 years.



The ornamental design for a lighting fixture ring substantially as shown.

67,200. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading as Klebanoff and Grossman, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,099. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

67,201. TEXTILE FABRIC. MELVILLE A. GUNST, New York, N. Y., assignor to Melville A. Gunst Costume Co., a Corporation of New York. Filed Mar. 3, 1925. Serial No. 12,566. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

67,202. TEXTILE FABRIC. MELVILLE A. GUNST, New York, N. Y., assignor to Melville A. Gunst Costume Co., a Corporation of New York. Filed Mar. 3, 1925. Serial No. 12,567. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

67,203. TEXTILE FABRIC. MELVILLE A. GUNST, New York, N. Y., assignor to Melville A. Gunst Costume Co., a Corporation of New York. Filed Mar. 3, 1925. Serial No. 12,568. Term of patent 3½ years.



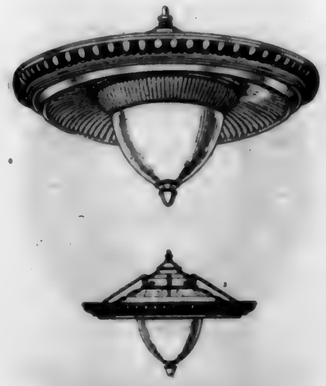
The ornamental design for a textile fabric, as shown.

67,204. TEXTILE FABRIC. MELVILLE A. GUNST, New York, N. Y., assignor to Melville A. Gunst Costume Co., a Corporation of New York. Filed Mar. 3, 1925. Serial No. 12,569. Term of patent 3½ years.



The ornamental design for a textile fabric, as shown.

67,205. ELECTRIC-LIGHT FIXTURE. JOHN W. HANCOCK, Denver, Colo. Filed Mar. 23, 1923. Serial No. 5,575. Term of patent 3½ years.



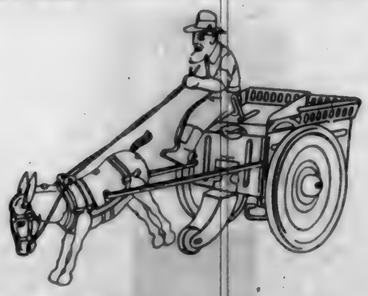
The ornamental design for an electric light fixture, as shown.

67,206. RADIATOR CAP. ROBERT H. HUMMERT, Dayton, Ohio, assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 22, 1924. Serial No. 11,444. Term of patent 7 years.



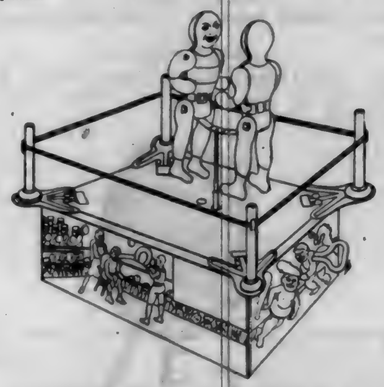
The ornamental design for a radiator cap, as shown.

67,207. TOY. LOUIS JAY KARN, New York, N. Y., assignor to Ferdinand Strauss, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,983. Term of patent 7 years.



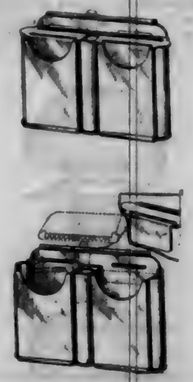
The ornamental design for a toy as shown.

67,208. TOY. LOUIS JAY KARN, New York, N. Y., assignor to Ferdinand Strauss, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,985. Term of patent 7 years.



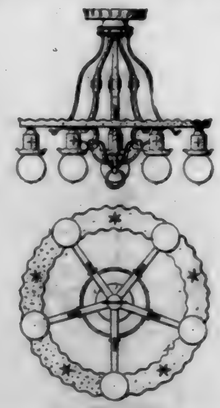
The ornamental design for a toy as shown.

67,209. RAZOR CONTAINER. JOSEPH KAUFMAN, Bronxville, N. Y., assignor to American Safety Razor Corporation, New York, N. Y., a Corporation of Virginia. Filed Jan. 29, 1925. Serial No. 12,182. Term of patent 14 years.



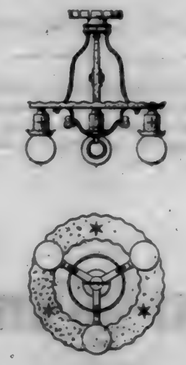
The ornamental design for a razor container as shown.

67,210. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,605. Term of patent 3½ years.



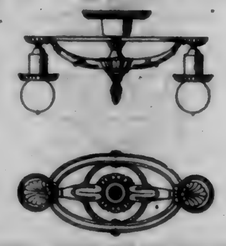
The ornamental design for a lighting fixture, as shown.

67,211. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,608. Term of patent 3½ years.



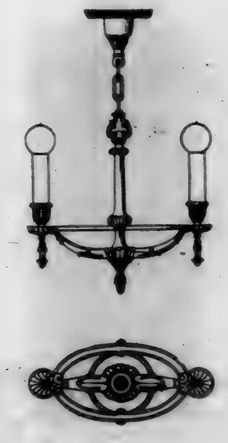
The ornamental design for a lighting fixture, as shown.

67,212. CEILING LIGHT. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,651. Term of patent 3½ years.



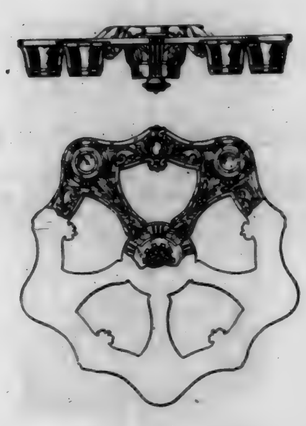
The ornamental design for a ceiling light, as shown.

67,213. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,652. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

67,214. PLATE FOR LIGHTING FIXTURES. CHARLES ALBERT KUSTER, Elmhurst, N. Y., assignor to Tonoh-Metal Producing Company, New York, N. Y., a Co-partnership composed of Rudolph Kleinman, Jules Bloom, and Isidor Bloom. Filed Jan. 26, 1925. Serial No. 12,140. Term of patent 3½ years.



The ornamental design for a plate for lighting fixtures, as shown.

67,215. BOTTLE. JOHN MUHL LENTS, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,542. Term of patent 14 years.



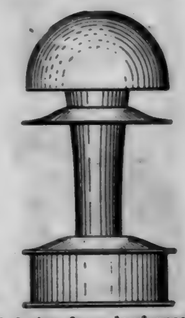
The ornamental design for a bottle, substantially as shown,

67,216. CONTAINER. SAMUEL LEVEY, Detroit, Mich. Filed May 16, 1921. Serial No. 470,004. Term of patent 3½ years.



The ornamental design for a container, as shown.

67,217. LOUD SPEAKER. HUGO MANOVILL, New York, N. Y., assignor to Piroxloid Products Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 13, 1925. Serial No. 12,040. Term of patent 7 years.



The ornamental design for a loud speaker, as shown.

67,218. HEATER. JOHN E. MCMINN, Louisville, Ky., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Sept. 11, 1924. Serial No. 10,749. Term of patent 7 years.



The ornamental design for a heater, as shown.

67,219. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,531. Term of patent 14 years.



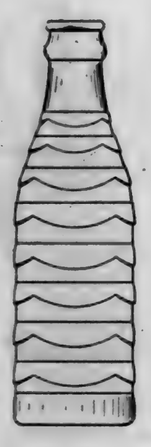
The ornamental design for a bottle, substantially as shown.

67,220. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,534. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,221. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,536. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,222. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,538. Term of patent 14 years.



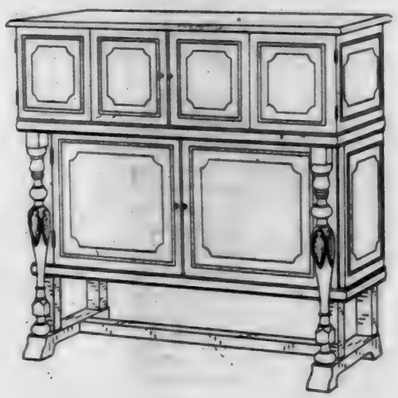
The ornamental design for a bottle, substantially as shown.

67,223. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,539. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,224. RADIOCABINET. PAUL F. NELSON, Milwaukee, Wis. Filed Jan. 14, 1924. Serial No. 8,308. Term of patent 3½ years.



The ornamental design for a radio cabinet as shown.

67,225. AUTOMOBILE BUMPER. NORBERT L. OBRECHT and FRANK E. PRICE, Pontiac, Mich. Filed Jan. 30, 1925. Serial No. 12,206. Term of patent 3½ years.



An ornamental design for an automobile bumper as shown.

67,226. FRINGE. FRANKLIN W. OEHRLE, Philadelphia, Pa., assignor to Oehrle Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1924. Serial No. 8,876. Term of patent 14 years.



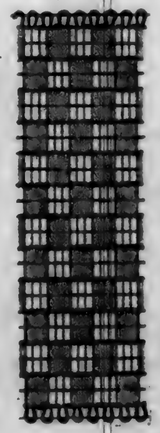
The ornamental design for fringe, as shown.

67,227. FRINGE. FRANKLIN W. OEHRLE, Philadelphia, Pa., assignor to Oehrle Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1924. Serial No. 8,877. Term of patent 14 years.



The ornamental design for fringe, as shown.

67,228. KNITTED FABRIC. FRANKLIN W. OEHRLE, Philadelphia, Pa., assignor to Oehrle Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1924. Serial No. 8,879. Term of patent 7 years.

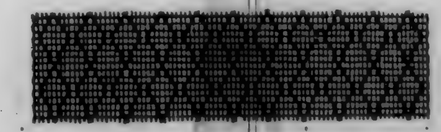


The design for a knitted fabric substantially as shown and described.

67,229. KNITTED FABRIC. FRANKLIN W. OEHRLE, Philadelphia, Pa., assignor to Oehrle Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1924. Serial No. 8,880. Term of patent 7 years.

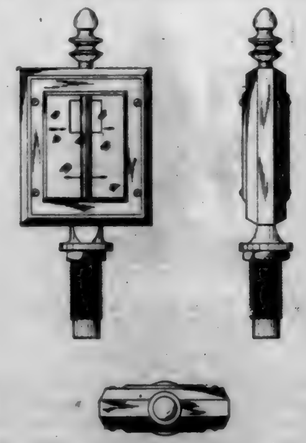
The design for a knitted fabric substantially as shown and described.

67,230. KNITTED FABRIC. FRANKLIN W. OEHRLE, Philadelphia, Pa., assignor to Oehrle Brothers Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 8, 1924. Serial No. 8,881. Term of patent 7 years.



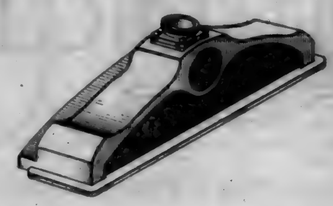
The design for a knitted fabric substantially as shown and described.

67,231. TEMPERATURE INDICATING DEVICE. ABE PEPPERBERG, New York, N. Y. Filed Jan. 25, 1924. Serial No. 8,419. Term of patent 7 years.



The ornamental design for a temperature indicating device, as shown.

67,232. AUTOMOBILE RADIATOR TOP. EDWARD A. REHBERGER, Newark, N. J. Filed Jan. 18, 1924. Serial No. 8,350. Term of patent 14 years.



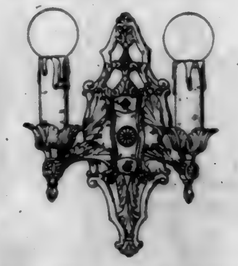
The ornamental design for an automobile radiator top as shown.

67,233. ELECTRIC LIGHT BRACKET. CEPHAS B. ROGERS, Danbury, Conn. Filed July 24, 1922. Serial No. 3,183. Term of patent 3½ years.



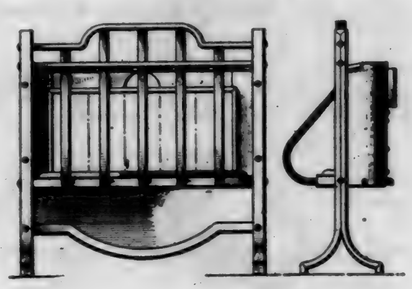
The ornamental design for an electric light bracket, as shown.

67,234. LIGHTING-FIXTURE BRACKET OR AN ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Feb. 12, 1925. Serial No. 12,354. Term of patent 3½ years.



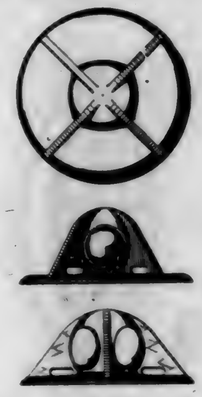
The ornamental design for a lighting-fixture bracket, or an article of similar nature, as shown.

67,235. HEATER FRAME. JOSEPH ROY, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed May 29, 1924. Serial No. 9,744. Term of patent 14 years.



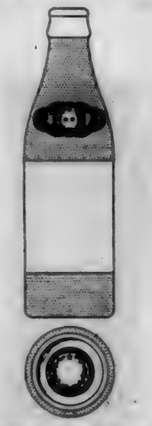
An ornamental design for a heater frame, as shown.

67,236. TRAFFIC SIGNAL-HEAD. PAUL H. SCHULS and CHRISTIAN JESSEN, Milwaukee, Wis. Filed May 16, 1922. Serial No. 2,271. Term of patent 14 years.



The ornamental design for a traffic signal-head, as shown.

67,237. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Feb. 5, 1925. Serial No. 12,267. Term of patent 3½ years.



The ornamental design for a bottle, as shown.

67,238. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Feb. 11, 1925. Serial No. 12,337. Term of patent 3½ years.



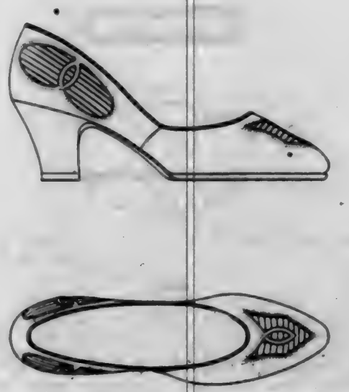
The ornamental design for a bottle, as shown.

67,239. MEGAPHONE. EUGENE W. SKINNER, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Dec. 8, 1924. Serial No. 11,624. Term of patent 3½ years.



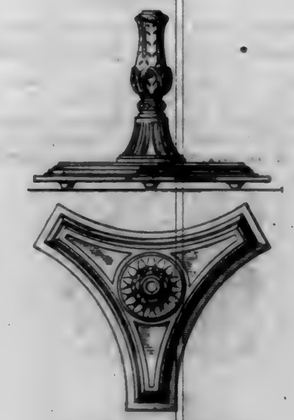
The ornamental design for a megaphone, substantially as shown.

67,240. SHOE. HARRY SMOLEN, Brooklyn, N. Y. Filed Jan. 20, 1925. Serial No. 12,099. Term of patent 3½ years.



The ornamental design for a shoe substantially as shown.

67,241. PEDESTAL FOR LAMPS OR SIMILAR ARTICLES. SAMUEL SOBEL, Brooklyn, N. Y. Filed Feb. 21, 1925. Serial No. 12,445. Term of patent 3½ years.



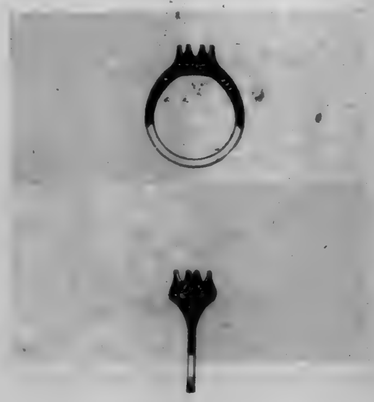
The ornamental design for a pedestal for lamps or similar articles, as shown.

67,242. PEDESTAL FOR LAMPS OR SIMILAR ARTICLES. SAMUEL SOBEL, Brooklyn, N. Y. Filed Feb. 21, 1925. Serial No. 12,446. Term of patent 3½ years.



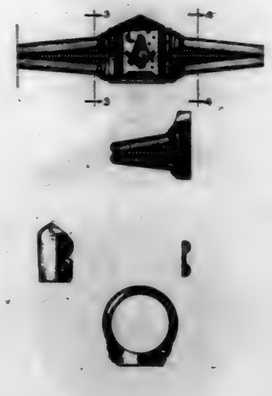
The ornamental design for a pedestal for lamps or similar articles, as shown.

67,243. FINGER RING. MICHAEL B. SOMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners trading as Klebanoff and Grossman, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,994. Term of patent 3½ years.



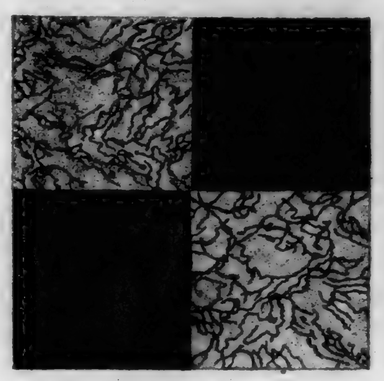
The ornamental design for a finger ring, as shown.

67,244. FINGER RING. ENRIQUE TROYA, New York, N. Y. Filed Mar. 18, 1925. Serial No. 12,757. Term of patent 14 years.



The ornamental design for a finger ring, as shown.

67,245. CARPET OR SIMILAR ARTICLE. HARRY ULMER, Philadelphia, Pa., assignor to Hardwick & Magee Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 8, 1923. Serial No. 7,980. Term of patent 3½ years.



The ornamental design for a carpet or similar article, substantially as shown and described.

67,246. GUIDE PLATE FOR A WINDOW STRAP, DOOR LOCK LEVER, OR SIMILAR ARTICLE OF MANUFACTURE. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,447. Term of patent 7 years.



The ornamental design for a guide plate for a window strap, door lock lever, or similar article of manufacture, substantially as shown.

67,247. PAWL STUD. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,448. Term of patent 7 years.



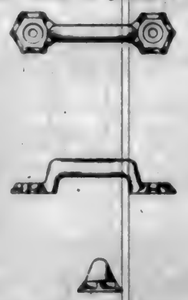
The ornamental design for a pawl stud, substantially as shown.

67,248. HANDLE. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,450. Term of patent 7 years.



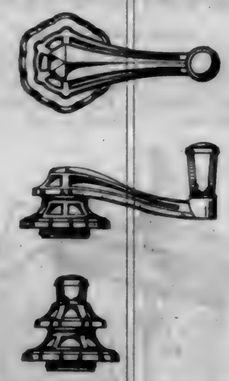
The ornamental design for a handle, substantially as shown.

67,249. FOOTMAN LOOP. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,451. Term of patent 7 years.



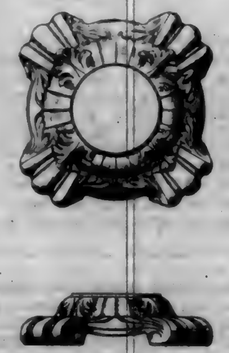
The ornamental design for a footman loop, substantially as shown.

67,250. WINDOW REGULATOR HANDLE. HERBERT WILSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 8,452. Term of patent 7 years.



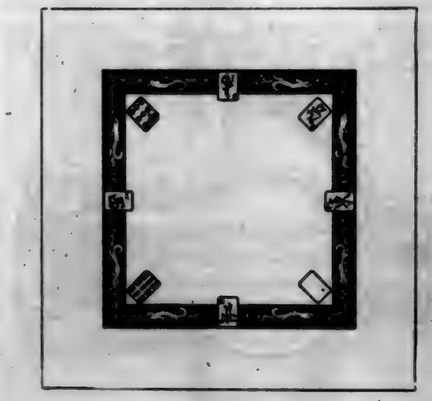
The ornamental design for a window regulator handle substantially as shown.

67,251. BASE FOR LAMP STANDS. FRANK YOKEL, Avalon, Pa., assignor to Wm. B. Young Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 26, 1923. Serial No. 5,598. Term of patent 3½ years.



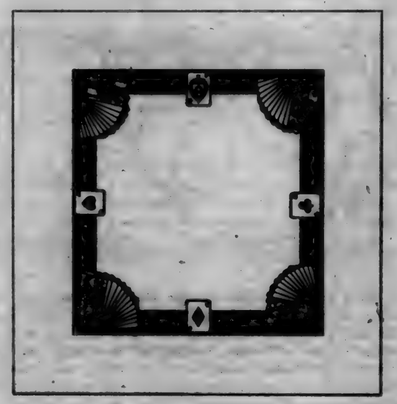
The ornamental design for a base for lamp stands, as shown.

67,252. TABLE COVER OR THE LIKE. JAMES HERBERT YOUNG, Brooklyn, N. Y., assignor to Thomas Young, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 17, 1924. Serial No. 10,805. Term of patent 3½ years.



The ornamental design for a table cover or the like as shown.

67,253. TABLE COVER OR THE LIKE. JAMES HERBERT YOUNG, Brooklyn, N. Y., assignor to Thomas Young, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 17, 1924. Serial No. 10,806. Term of patent 14 years.

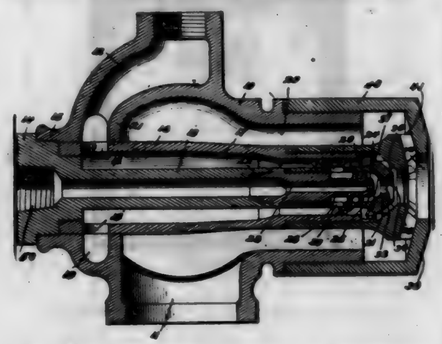


The ornamental design for a table cover or the like as shown.

PATENTS

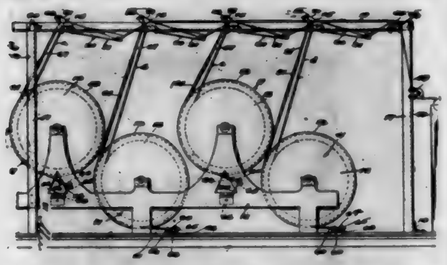
GRANTED MAY 5, 1925.

1,536,046. OIL BURNER. ALFRED R. ANTHONY, Fort Pierce, Fla. Filed Aug. 7, 1920, Serial No. 401,872. Renewed Mar. 2, 1925. 6 Claims. (Cl. 158—76.)



1. A liquid fuel burner, including in combination a hollow body having an air inlet and a fuel tube mounted in the body having an orifice at its forward end, said tube at its forward end being formed with an annular groove and a helical groove leading from said annular groove to the end of the tube, a cap mounted on the fuel tube enclosing said grooves and having openings affording communication between the interior of the body and said annular groove and having a discharge aperture in axial alignment with said fuel tube.

1,536,047. TENSION REGULATOR FOR SECTION BEAMS ON SLASHER AND BEAMER CREELS. WILLIAM WYLIE ARNOLD, Jr., Manchester, Ga. Filed Apr. 12, 1924. Serial No. 706,162. 6 Claims. (Cl. 28—35.)



1. In a tension regulator for slasher or beamer creels having section beams, braking devices for each section beam and a tension regulator for each braking device including a pair of levers, means for mounting the levers for movement independent of each other, each lever being connected to its braking device, and means for floating the levers on the yarn.

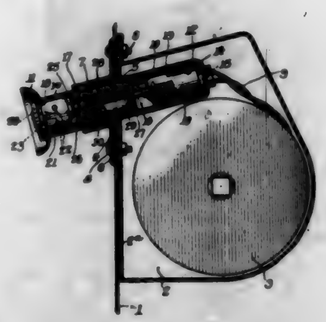
1,536,048. HAND BAR FOR PHYSICAL TRAINING. WILJO U. ALASTALO, New York, N. Y. Filed Sept. 17, 1923. Serial No. 663,165. 1 Claim. (Cl. 272—84.)

A hand bar composed of separable units, each unit being formed at one end with a threaded bolt and resilient means on said bolt, and at the opposite end with a bore having a mouth opening, an intermediate wider portion and a threaded portion to receive the



bolt, said resilient means being adapted when two units are drawn together to become lodged in said intermediate portion and thereby lock the units together.

1,536,049. ELECTRIC CIGAR LIGHTER. EDGAR C. ALLEN, Rockford, Ill., assignor of one-half to Roger L. Knutsson, Rockford, Ill. Filed Jan. 4, 1924. Serial No. 684,288. 11 Claims. (Cl. 219—32.)

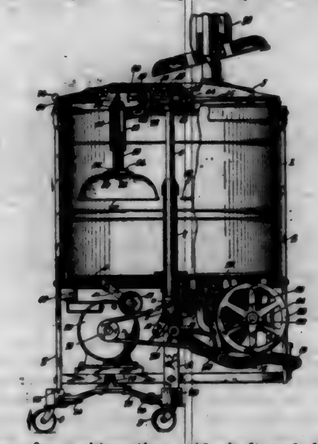


1. The combination of an inclined tubular support formed of insulating material, an elongated metallic casing adapted to be inserted into said tubular support and be supported thereby in an inclined position, an electric resistance element carried by said casing at the end which is lowermost when the casing is in place in said tubular support, means connected to the other end of the casing to conduct current thereto, and a mercury switch in said casing to close a circuit through said resistance element when the first-mentioned end of the casing is uppermost and to break said circuit when said end is lowermost.

1,536,050. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Dec. 12, 1923. Serial No. 680,168. 20 Claims. (Cl. 259—144.)

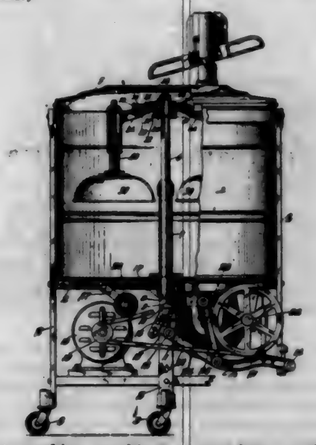
1. In a washing machine, a container, a shaft disposed vertically through the bottom of the container,

washing elements supported from the upper end of said shaft and arranged to be impositively rotated thereby,



and means for reciprocating said shaft and for simultaneously rocking said shaft alternately in opposite directions.

1,536,051. WASHING MACHINE. ALPHEUS W. ALTORFER, Peoria, Ill., assignor to Altorfer Bros. Company, East Peoria, Ill., a Corporation of Illinois. Filed Dec. 12, 1923. Serial No. 680,166. 18 Claims. (Cl. 259—144.)

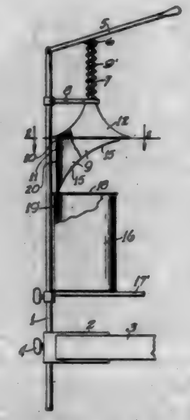


1. In a washing machine, a container, a shaft disposed vertically through the bottom of the container, a friction clutch on the upper end of the shaft including a member carried loosely on the shaft, washing elements connected to be rotated freely around said member, and means for reciprocating said shaft and for simultaneously rocking said shaft alternately in opposite directions.

1,536,052. MANUFACTURE OF COMPOSITIONS OR PREPARATIONS WITH CELLULOSE DERIVATIVES. WALTER BADER and WILLIAM ALEXANDER DICKIE, Spondon, near Derby, England, assignors to American Cellulose and Chemical Manufacturing Company Limited, a Corporation of Delaware. Filed Feb. 14, 1923. Serial No. 619,013. 2 Claims. (Cl. 134—79.)

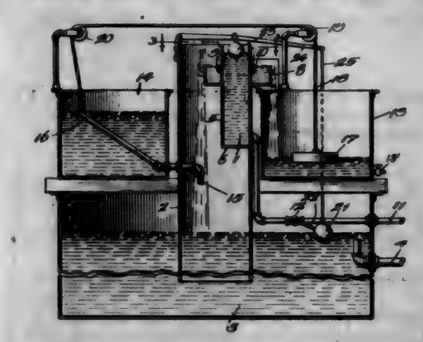
2. Compositions comprising cellulose acetate and 1.1.1.trichloro.2.methyl propanol (2) as a solvent or plasticising agent.

1,536,053. CAN OPENER. VERNON E. BAKER, Elyria, Ohio. Filed Feb. 2, 1922, Serial No. 533,571. Renewed Sept. 12, 1924. 4 Claims. (Cl. 30—3.)



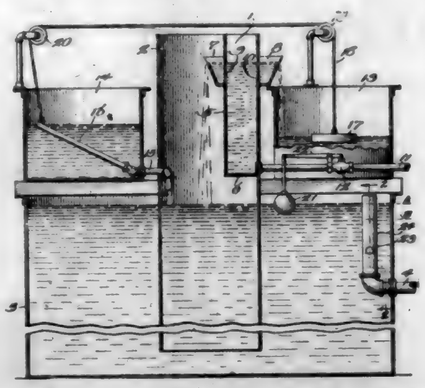
1. A can opener comprising a body portion having a spherical-shaped concave under surface and a circular-shaped knife secured at its mid-point to the under surface of said body portion said concave surface aiding in swinging the sides of said knife into a circle the same diameter as the diameter of the can to be cut.

1,536,054. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed Dec. 11, 1922. Serial No. 606,178. 7 Claims. (Cl. 210—18.)



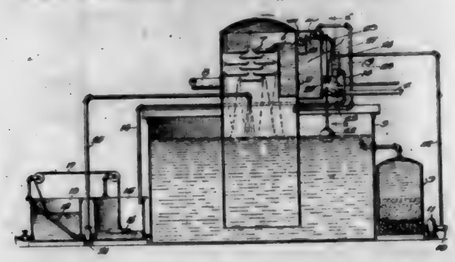
1. Liquid treating apparatus including an incoming receptacle having two outlet openings of different size; a container communicating with each outlet which is below the limiting level of the container to which it is individual; a supply pipe for conveying liquid to be treated and discharging into the incoming receptacle; a treatment tank into which the container having the larger opening individual thereto discharges; a chemical tank discharging into the treatment tank; a float tank into which the container having the smaller opening individual thereto discharges; a float in the float tank; mechanism for varying the flow of chemical from the chemical tank and assembled with the float to be operable thereby and so related to the float as to increase the chemical flow as the float rises; a valve in the supply pipe; a float in the treatment tank and assembled with said valve and so related thereto as to decrease the flow of liquid through the supply pipe as this float rises; and a float in the incoming receptacle and also assembled with the valve and so related thereto as to decrease the flow of liquid through the supply pipe when this float rises.

1,536,055. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed Jan. 30, 1923. Serial No. 615,835. 2 Claims. (Cl. 210—18.)



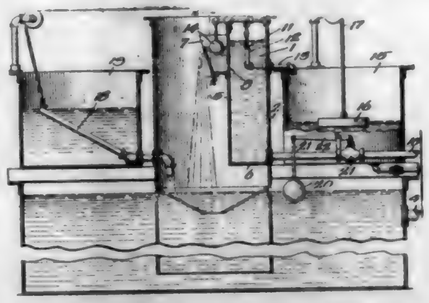
1. Liquid treating apparatus including a treatment tank; a source of chemical; piping for conveying liquid to be treated to the tank; mechanism governed by liquid passing through said piping operating to maintain the proportioning of liquid and chemical substantially constant; mechanism governed by the liquid in the treatment tank for cutting off and establishing flow of liquid to the treatment tank; an upright discharge pipe having a liquid receiving opening through its side and between its ends and positioned to receive treated liquid from the treatment tank and located below the lower limiting level of the liquid in the tank and having an opening at the upper limiting level of the liquid in the tank to have its contents subject to atmospheric pressure; and an outlet pipe below and communicating with the lower end of said discharge pipe.

1,536,056. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed Feb. 11, 1924. Serial No. 691,864. 8 Claims. (Cl. 210—21.)



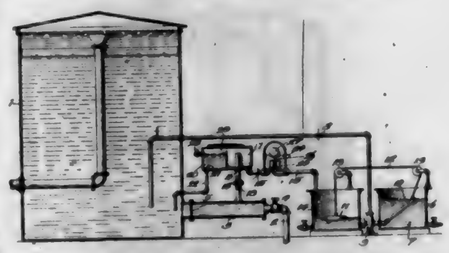
1. Liquid treating apparatus including a treatment chamber; a source of chemical discharging into the treatment chamber; valve mechanism for controlling the flow of chemical to the treatment chamber; a float tank containing a float in controlling relation to said valve mechanism; a control tank receiving treated liquid from said apparatus and discharging into said float tank; valve mechanism in the control tank controlling the flow of liquid therefrom; a riser receiving the liquid that is to be treated; a float in said riser in controlling relation to the latter valve mechanism; a stilling chamber into which the riser discharges and discharging into the settling chamber; and a float governed by the level of the liquid in the stilling chamber and also in controlling relation to the valve mechanism in the control tank and serving partially to reduce the adjusting action of the float in the riser.

1,536,057. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed Feb. 11, 1924. Serial No. 691,865. 3 Claims. (Cl. 210—21.)



1. Liquid treating apparatus including a riser having outlets of different size; a container into which the larger outlet discharges and open at its upper portion to overflow, the larger outlet being below the limiting level of said container and the smaller outlet being at the discharge level of the container; a supply pipe for conveying liquid to be treated and discharging into the riser and through both of the aforesaid outlets by way of the riser; a treatment tank into which said container discharges; a chemical tank discharging into the treatment tank; and mechanism for regulating the discharge of chemical from the chemical tank and governed by the liquid flowing from the smaller outlet of the riser.

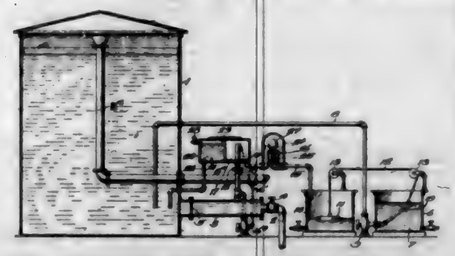
1,536,058. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,993. 8 Claims. (Cl. 210—18.)



1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; liquid controlled mechanism for regulating the flow of chemical from said source to said tank, said piping discharging controlling raw liquid from it to said mechanism through an orifice small in comparison with the aforesaid outlet of the piping; and means enabling the back pressure of the liquid in the tank impressed at said outlet to produce a like pressure impressed at said orifice and inclusive of a gaseous medium interposed between said orifice and the liquid within the tank and through which orifice this liquid exerts its pressure.

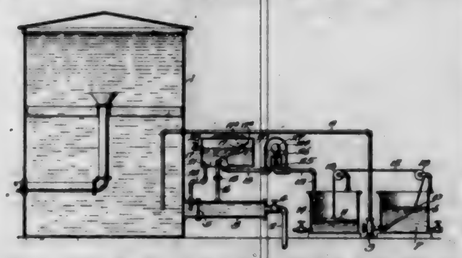
1,536,059. LIQUID-TREATING APPARATUS KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,994. 10 Claims. (Cl. 210—18.)

1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; liquid controlled mechanism for regulating the flow of chemical from said source to said tank, said tank discharging controlling treated liquid from it to said mechanism through an orifice small in comparison with the aforesaid outlet of the piping; and



means enabling the back pressure of the liquid in the tank impressed at said outlet to produce a like pressure impressed at said orifice and inclusive of a gaseous medium interposed between said orifice and the liquid within the tank and through which orifice this liquid exerts its pressure.

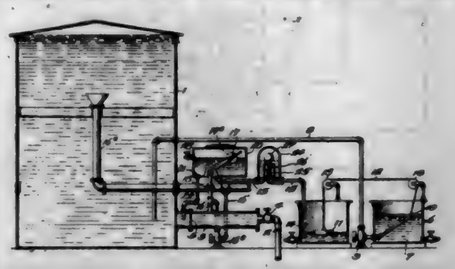
1,536,060. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,995. 6 Claims. (Cl. 210—18.)



1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; liquid controlled mechanism for regulating the flow of chemical from said source to said tank; a liquid conveying member having an inlet communicating with the tank upon the discharge side of said outlet; a liquid conveying member mounted to rise and fall and communicating with the first member through a passage that is above said inlet; there being sealed gas holding space in each member placed in communication with the gas holding space in the other by said passage, there also being an orifice, small in comparison to said outlet, through which controlling liquid is discharged from said piping into the second member; means controlled by the liquid in the first member and connected with the second member substantially fixed with respect to the liquid level in the first member; and a trap receiving liquid from the second member and discharging the liquid to the liquid controlled mechanism to control the same.

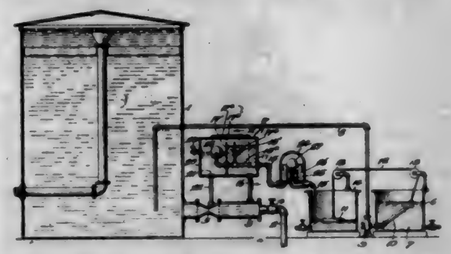
1,536,061. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,996. 8 Claims. (Cl. 210—18.)

1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; liquid controlled mechanism for regulating the flow of chemical from said source to said tank; a liquid receiving member having an inlet communicating with the tank upon the discharge side of said outlet; a liquid conveying member mounted to rise and fall and communicating with the first member through a passage that is above said inlet, there being sealed gas holding space in each member placed in communication with the gas



holding space in the other by said passage, there also being an orifice, small in comparison to said outlet, through which controlling treated liquid is discharged from said tank into the second member; means controlled by the liquid in the first member and operatively connected with the second member; and a trap receiving liquid from the second member and discharging the liquid to the liquid controlled mechanism to control the same.

1,536,062. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,997. 4 Claims. (Cl. 210—17.)

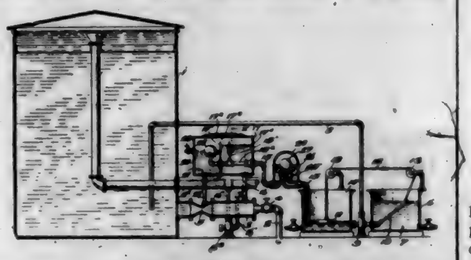


1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; of piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; mechanism, governed by raw liquid passed through an orifice small in comparison to said outlet, for regulating the flow of chemical from said source to said tank; and means for controlling the flow of the controlling raw liquid inclusive of a gaseous medium subject to the pressure of the raw liquid at the entering side of said outlet and the greater pressure of the raw liquid exerted at a remoter point in said piping.

1,536,063. LIQUID-TREATING APPARATUS. KENT W. BARTLETT, Hammond, Ind. Filed May 26, 1924. Serial No. 715,998. 7 Claims. (Cl. 210—18.

1. In a liquid treating apparatus, the combination with a tank for receiving liquid to be treated; of piping for supplying liquid to be treated and having a constricted outlet discharging into the tank below its limiting level; a source of chemical in communication with said tank; mechanism, governed by treated liquid passed through an orifice small in comparison to said

outlet, for regulating the flow of chemical from said source to said tank; and means for controlling the flow of the controlling treated liquid inclusive of a gaseous

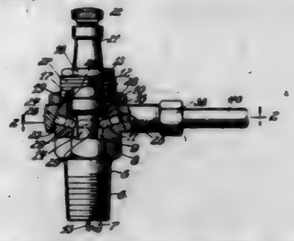


medium subject to the pressure of the raw liquid at the entering side of said outlet and the greater pressure of the raw liquid at the remoter point in said piping.

1,536,064. PROCESS OF MAKING STORAGE-BATTERY PLATES. RAYMOND C. BENNER, Bayside, and JOHN H. FINK, Brooklyn, N. Y., assignors to The Prest-O-Lite Company, Inc., a Corporation of New York. Filed June 6, 1922. Serial No. 566,406. 5 Claims. (Cl. 136—29.)

1. Process of making storage battery plates that comprises pressing dry active material and a binder, at a heavy pressure and without addition of moisture, onto a suitable support.

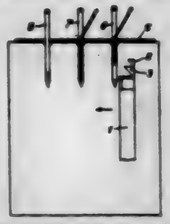
1,536,065. SPARK PLUG. HERBERT E. BILLINGS, Woodstock, Ill., assignor to "Heb" Manufacturing Company, Woodstock, Ill., a Corporation of Illinois. Filed July 28, 1921. Serial No. 488,109. 1 Claim. (Cl. 123—169.)



A spark plug of the character described, comprising a shell having a body portion provided with a longitudinal bore having an unrestricted opening in one end thereof, an electrode carried thereby, an insulating member mounted in said bore and spaced on all sides from said body portion, an electrode mounted therein, said electrodes extending outwardly beyond the end of said shell, whereby firing of said plug occurs outside the shell thereof, said shell having an annular passage therein and openings leading from said passage into said bore near the inner end thereof, said openings being inclined at an oblique angle to the axis of said plug, and a suction connection leading into said annular passage.

1,536,066. THREAD-STITCHING MACHINE HAVING A THREAD LAYER WITH TWO POINTS. ULRICH BISCHOF, Horgen, Switzerland, assignor to Gebr. Stäubli & Co., Horgen, Zurich, Switzerland. Filed July 21, 1924. Serial No. 727,377. 1 Claim. (Cl. 112—21.)

In a thread stitching machine, the combination with eyed sewing needles and a hooked needle, of a thread layer with two points one of which lies above the other, the eye of one of the sewing needles being adapted to form the tying off loop and being lower than the eye of the other needle, and one of the points of the thread



layer being adapted to catch the tying off loop and to pass under the eye of the first needle, when the loop of the stitch is formed.

1,536,067. INDICATING DEVICE FOR BOTTLES AND THE LIKE. JOSEPH S. BLINN, New Haven, Conn. Filed Feb. 15, 1924. Serial No. 692,996. 2 Claims. (Cl. 215—9.



1. An indicator of the class described composed of an indicator member having a serrated or indicating edge and retaining means for securing the device to the closure means of a bottle or container, said retaining means comprising projections or prongs extending inwardly from the edge of a hole in said indicator member, and said retaining means engaging the sides of said closure means.

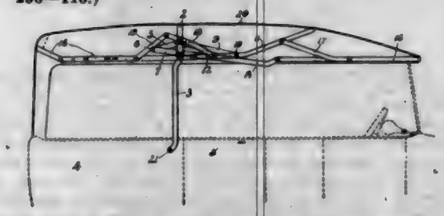
1,536,068. SWITCHBOARD PLUG. ERNEST A. BOHLMAN, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1921. Serial No. 438,841. 5 Claims. (Cl. 173—361.)



1. A switchboard plug of the character described including a cylindrical conducting element having the walls of its one end formed to engage each other which

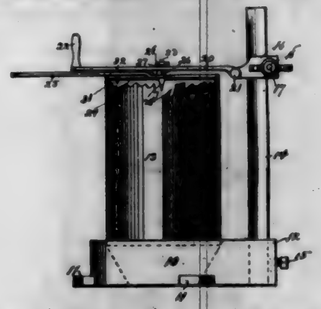
end is provided with a suitably tapped orifice for receiving a terminal screw, and having its other end open and adapted to receive a conducting element, and an insulation member for insulating said conducting element from said cylindrical conducting element.

1,536,069. FOLDING HOOD FOR MOTOR VEHICLES. WILLIAM HENRY INNES BRADLEY, Birmingham, England, assignor to The Calso Hood Company Limited, Coventry, England, a Company of Great Britain. Filed June 12, 1924. Serial No. 719,683. 3 Claims. (Cl. 296—116.)



1. A folding hood for motor vehicles comprising, a standard pivotally mounted at each side of the vehicle, a cantrail pivoted adjacent the upper end thereof, a front bow member pivoted to the forward end of said cantrail an intermediate bow member pivoted in said cantrail, a rear bow member pivoted to the rear end of said intermediate bow member, a main bow member pivotally supported from said cantrail and intermediate bow member independently of said standard and a flexible cover carried by said bow members.

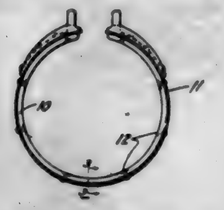
1,536,070. CAN OPENER. GEORGE W. BRIGHT, Denver, Colo. Filed Apr. 21, 1924. Serial No. 707,925. 2 Claims. (Cl. 30—3.)



1. A can opener comprising a base adapted to be secured to a support and formed with a frustum shaped central opening, having a serrated wall adapted to receive a container, a post rising from said base, a bracket adjustably mounted on said post, a holding lever hinged to said bracket, a center pin mounted in the central portion of said holding lever and adapted to penetrate the head of said can or container, a cutting lever pivoted at one end on said center pin and extended to an orbit beyond that of the free end of the holding lever, and a knife slidingly mounted on said cutting lever and adapted to penetrate and cut an arcuate slot in the head of the container under arcuate movement of said cutting lever.

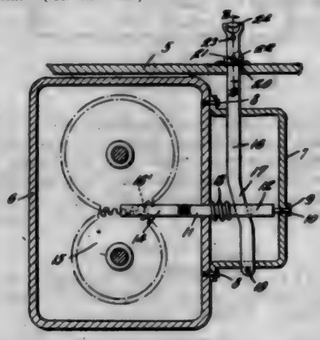
1,536,071. AUTOMOBILE BRAKE LINING. ELMER A. BROWN, Denver, Colo. Filed Oct. 6, 1921. Serial No. 505,885. 2 Claims. (Cl. 188—259.)

1. The process of manufacturing a wooden lining for brake and transmission bands comprising; cutting the wood in strips lengthwise of the grain, said strips being equal in width to the brake or transmission band upon which the lining is to be used; softening the strips by steaming; bending the strips in an open circle on a



mold of slightly larger diameter than the drum upon which the band is to be used; drying the strips in said mold and soaking the strips in a lubricating oil.

1,536,072. AUTO LOCK. EUGENE A. BRYANT, Minneapolis, Minn. Filed Apr. 10, 1922. Serial No. 551,203. 1 Claim. (Cl. 70—90.)

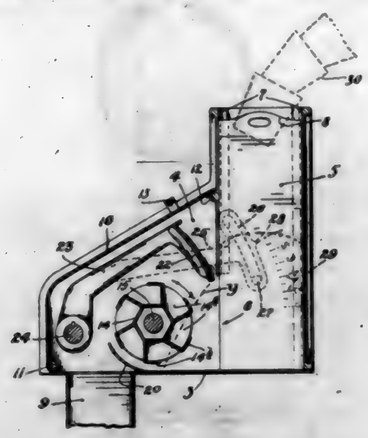


A locking device for transmission gears including a housing, an auxiliary housing secured to the gear housing, a guide rod extending inwardly from the auxiliary housing, a locking arm slidably mounted within the housings, one end of said locking arm being formed with an opening to accommodate the guide rod, the opposite end of said locking arm including a pair of spaced arms, and a tapered portion between the arms, the end of the tapered portion terminating in spaced relation with the ends of the saced arms, an enlarged portion forming a part of the arm and operating in the auxiliary housing, said enlarged portion having an opening formed therein, an operating arm having an offset portion adapatd to operate through the opening to move the locking arm within the housing, a coiled spring on the locking arm to normally urge the locking arm to its inactive position, and said spaced arms adapted to move on opposite sides of gears to guide the tapered portion of the locking arm to the teeth of the gears locked thereby.

1,536,073. PERCENTAGE FEEDER. CLARENCE W. CARTER, Minneapolis, Minn., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed July 29, 1921. Serial No. 488,377. 1 Claim. (Cl. 83—44.)

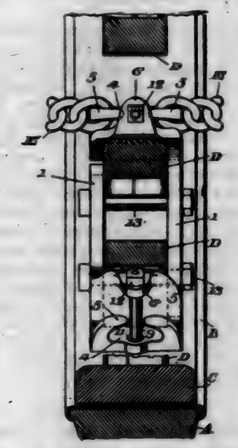
A percentage feeder comprising a long substantially horisontal feed roller having circumferentially spaced compartments extending approximately from end to end thereof, a supply compartment approximately co-extensive with said feed roller and having a discharge passage located entirely at one side of said roller but so closely adjacent thereto that said roller will intersect the angle of repose of material flowing from said feed passage, said supply compartment having partitions

for proportionately dividing the same into sub-compartments, all of which deliver through the said feed passage and against one side of said roller, said roller being rotated in a direction to pick up and carry over the stock delivered thereto and to discharge the ma-



terials from the several sub-compartments in a common stream, and a common gate working between said supply compartment and feed roller, said gate being approximately co-extensive with said roller and operating simultaneously to vary the flow to said feed roller from the several sub-compartments from said supply compartment.

1,536,074. ANTISKIDDING DEVICE. WARREN D. CHASE, Hartford, Conn. Filed Feb. 25, 1919. Serial No. 279,036. 1 Claim. (Cl. 152—2.)



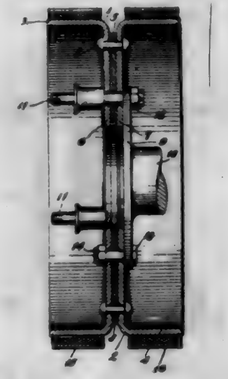
A device to secure a traction element to a wheel comprising plates adapted to be applied to the spokes thereof and means for securing such plates in such position, one of said plates being provided with an arm engaging one of said spokes on its transverse face farthest from said securing means, said arm having anchoring means for the terminal portions of the traction element, said anchoring means receiving pull from the traction element in substantially opposite directions transversely of the wheel, the device having no part extending beyond planes passing through the side edges of an outer peripheral part of the wheel.

1,536,075. HEATER. JAMES J. CONNORS, Juneau, Territory of Alaska. Filed Mar. 10, 1923. Serial No. 624,212. 1 Claim. (Cl. 219—38.)



A gasoline heater and vaporizer for intake manifolds comprising a shell having a smooth portion and a threaded portion, and adapted to be threaded into an opening in said manifold, a core of insulating material arranged within the shell and spaced therefrom, an annular shoulder arranged centrally of the core, and an electrode passed longitudinally through the core, a heating wire having one end looped about the core and reposing upon said shoulder, said heating element being wound about the core beneath said shoulder, and having its other end secured to said electrode, a bushing threaded into said shell and impinging the looped end of said heating element against said shoulder, and said smooth portion of the shell being provided with perforations for the purpose specified.

1,536,076. BRAKE MECHANISM. HENRY M. CRANE, New York, N. Y. Filed June 2, 1922. Serial No. 565,289. 10 Claims. (Cl. 188—218.)

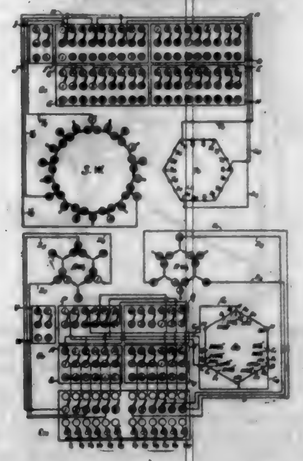


9. Brake mechanism comprising a brake drum composed of two metal discs with flanged rims secured together back to back.

1,536,077. DYNAMO-ELECTRIC MACHINE. FREDERICK CREEDY, Ilkley, England. Filed July 30, 1921. Serial No. 488,687. 12 Claims. (Cl. 172—274.)

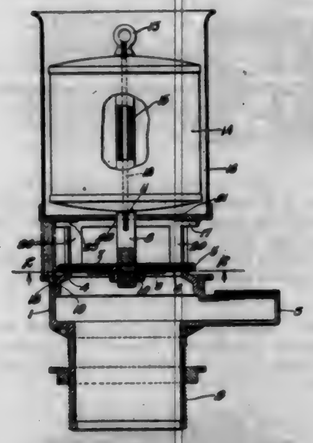
1. In an alternating current dynamo electric machine comprising a stator member and rotor member, a winding on one of said members to be energized from a polyphase supply and so disposed as to generate E. M. F.'s of a number of phases greater than the number of phases in the supply and in which the phase relationship between the current and the E. M. F. in each section is the same, and means to connect said winding in a plurality of ways to operate with a plurality of fields of different numbers of poles without changes in the connections of the sections of the winding among themselves.

12. In a variable pole alternating current dynamo electric machine comprising a stator member and rotor member, a winding on one of said members in which alternate sections are connected in mesh and the remaining sec-



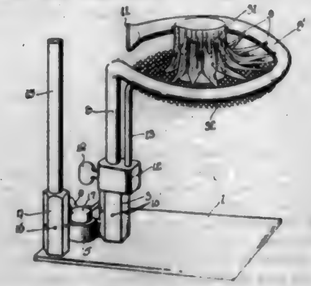
tions in star to the angles of the mesh, said winding being arranged to act as a secondary upon a plurality of pole numbers and means whereby resistance may be inserted in the circuit thereof for control on one pole number.

1,536,078. FLUSHING VALVE FOR WATER-CLOSETS. ANDREW F. CURTIN, Medford, Mass. Filed Oct. 31, 1922. Serial No. 598,122. 1 Claim. (Cl. 4—57.)



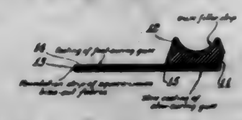
A flushing valve for water closets having, in combination, a hollow body portion having an inlet and an outlet, a float chamber located above the inlet having a hole in its bottom; the under side of the bottom of the float chamber being provided with narrow lugs which serve to space the valve away from the bottom of the float chamber, said float chamber being supported from the body portion by spaced bars affording openings between them for the passage of water to the inlet, a valve for closing the outlet having an integral stem extending through the hole in the bottom of the float chamber, and a float supported on the valve stem in the float chamber.

1,536,079. DENTAL BURNER. ERNEST E. DALTON, Chicago, Ill. Filed Feb. 23, 1923. Serial No. 620,601. 14 Claims. (Cl. 158—111.)



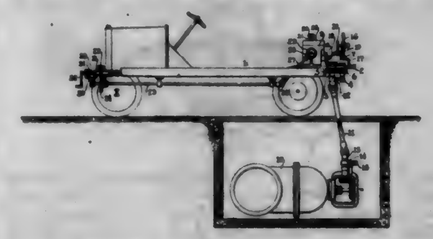
1. In a device of the class described the combination of a support for an article to be heated and an open burner ring for surrounding the article, said burner ring having a plurality of orifices discharging radially in the direction of the plane of the ring, the flames from said orifices striking that part of the article lying in the plane of the ring irrespective of the dimension of the article in the direction of said plane.

1,536,080. TIRE BEAD AND METHOD OF MAKING TIRES. ELIAS E. DAVIDSON, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,323. 6 Claims. (Cl. 18—53.)



1. The method of making pneumatic-tire casings which comprises providing a fabric cover with an external coating of slow-curing rubber, enclosing a core-ring and a filler of fast-curing rubber with said cover, semi-curing the resulting bead core to a degree which partially vulcanizes the filler and leaves the external coating soft and tacky, incorporating the bead core in the edge of the tire casing, and vulcanizing said casing.

1,536,081. PORTABLE VALVE-OPERATING APPARATUS. PETER P. DEAN, Sound Beach, Conn. Filed Jan. 2, 1920. Serial No. 349,126. 9 Claims. (Cl. 180—53.)



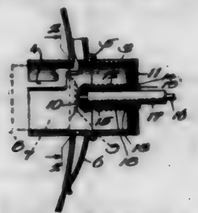
1. In a portable valve operating apparatus, in combination a pair of oppositely rotating valve operating members, an internal combustion engine, driving connections between said engine and said members and control means for said engine operable unidirectionally by a part driven by said engine irrespective of the direction of valve operation, said control means including an adjustable element to be set to effect stopping of said engine upon completion of a predetermined number of revolutions of either of said valve operating members.

1,536,082. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed Mar. 13, 1919. Serial No. 282,450. 2 Claims. (Cl. 173—328.)



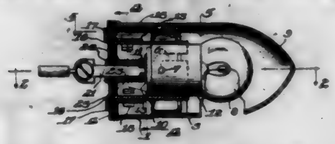
1. In a circuit connector, a pin adapted to be received in an opening in a plug, and a spring for projecting said pin into a position to be engageable with a passage in a shell adapted to receive the plug whereby the plug and shell may be maintained in assembly, said spring having direct frictional securance to the pin to provide a single unit for assembly and disassembly with and from the plug and having direction frictional securance to the plug when in the opening to prevent its accidental disassembly therefrom.

1,536,083. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed Jan. 27, 1921. Serial No. 440,482. 2 Claims. (Cl. 173—328.)



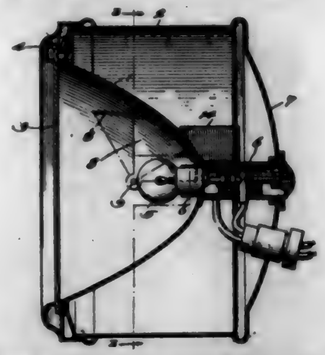
1. The combination with a shell; of a body of insulation fixed within and to the shell; a sleeve formed with an external circumferential groove in which the body of insulation is held in fixed relation to the sleeve; a tubular contact member within and movable longitudinally of the sleeve and carrying an electrical contact upon its inner end; a coiled spring surrounding and having abutting engagement with said sleeve and engaging the tubular contact member and exerting inwardly thrusting pressure thereon; and a current conducting wire assembled with the tubular contact member and in electrical connection with said electrical contact.

1,536,084. COWL LAMP. HARRY A. DOUGLAS, Bronson, Mich. Original application filed Jan. 27, 1921, Serial No. 440,486. Divided and this application filed Apr. 17, 1922. Serial No. 554,270. 1 Claim. (Cl. 240—7.)



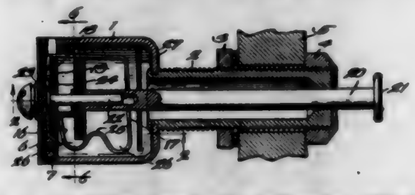
In a lamp structure, the combination with a metallic sleeve; of a metallic shell assembled with said sleeve, this shell being formed with a flange; an insulating body uniting the rear ends of said shell and sleeve and constituting a contact carrier, there being rivets passing through said flange and insulating body; a forwardly spring pressed contact upon said insulating body and projecting into said shell; an incandescent lamp whose base is separably coupled with the forward end of said shell and carries a contact that is complemental to the aforesaid spring pressed contact; and a cowl supported upon the forward end of said sleeve, which sleeve end is reduced to form a shoulder for engaging the base of the cowl.

1,536,085. HEADLAMP. HARRY A. DOUGLAS, Bronson, Mich. Filed May 4, 1923. Serial No. 636,609. 6 Claims. (Cl. 240—45.)



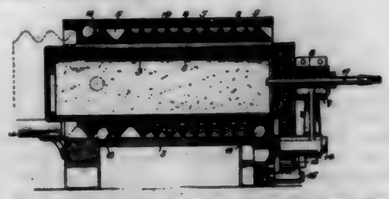
1. A lamp including a concave reflector; a light transmitting closure for the reflector; a supplemental reflector within the space confined by the main reflector and its closure and covering but a portion of the reflecting surface of the main reflector; electro-magnetic mechanism in adjusting relation to the supplemental reflector; switching means adjustable by the electro-magnetic mechanism when effecting an adjustment of the supplemental reflector to prepare the electro-magnetic mechanism to restore the supplemental reflector to the position from which it was last adjusted; and a manual switch co-operating with said switching mechanism in controlling the electro-magnetic mechanism.

1,536,086. ELECTRIC SWITCH. HARRY A. DOUGLAS, Bronson, Mich. Filed July 23, 1924. Serial No. 727,725. 4 Claims. (Cl. 200—153.)



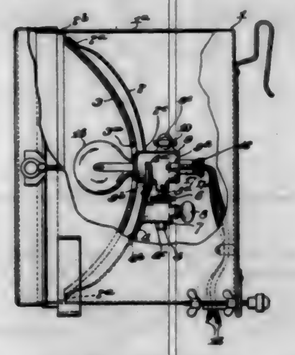
1. In an electric switch, the combination with two contacts; of a contact member common to said contacts and engageable with both of them at the same time; a carrier for said contact member having a sinuous portion; and a reciprocable rod engageable with a bump of said sinuous portion to actuate the carrier.

1,536,087. PROCESS AND APPARATUS FOR VULCANIZING ARTICLES. JOHN L. G. DIKES, Chicago, Ill. Filed Sept. 7, 1920. Serial No. 408,764. 29 Claims. (Cl. 18—6.)



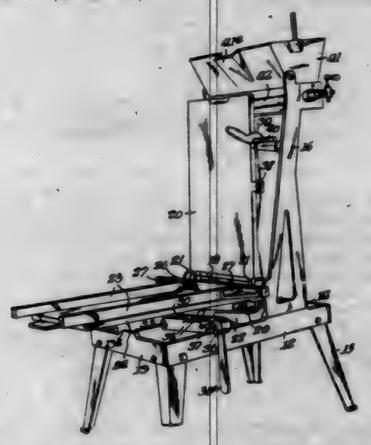
29. In apparatus for forming materials into the desired shape, the combination of instrumentalities to form a spiral path of travel for the materials to be treated, devices for causing the materials to have movement along said path of travel at the desired rate of speed for treatment thereof, and means for operating said devices during treatment of the materials, whereby the process is continuous and the materials are fed in and treated at one point and fed out in formed and treated condition at another point, while the materials between these two points are moving along said path to receive the desired treatment.

1,536,088. HEADLIGHT. AXEL H. ENGLUND, Philadelphia, Pa., assignor to Electric Service Supplies Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 22, 1922. Serial No. 576,653. 7 Claims. (Cl. 240—44.)



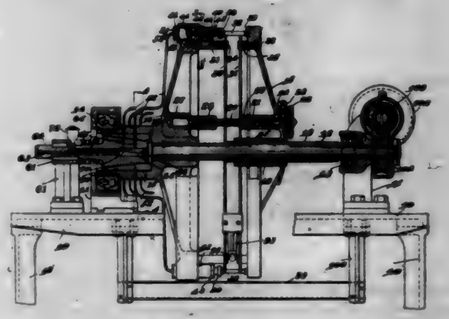
1. In a headlight, the combination with a support, of an upright post movable longitudinally and axially in said support, a threaded member engaging said post for effecting longitudinal adjustment thereof, means for clamping said post in adjusted position, a lamp holder carried by said post above said threaded member, and a lamp carrier movable in said holder transversely to said post.

1,536,089. STEREOTYPER'S CASTING MACHINE. MILAN H. FISHER, Chicago, Ill., assignor to H. L. Fisher Mfg. Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Oct. 27, 1922. Serial No. 597,886. 13 Claims. (Cl. 22—2.)



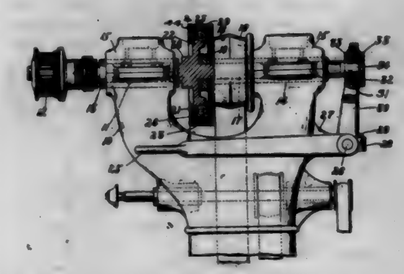
1. A stereotyper's casting machine comprising a supporting frame, a pair of platens, one of said platens being pivotally connected to said frame, a pair of links pivotally connected at one end to said frame so as to swing about the axis of the pivotal connection first named, the other of said platens being pivotally connected to the other end of said links, and means for locking said platens together.

1,536,090. METHOD AND APPARATUS FOR TESTING TUBES AND OTHER HOLLOW ARTICLES. GEORGE A. FOISY, Lowell, Mass., assignor to United States Cartridge Company, Lowell, Mass., a Corporation of Massachusetts. Filed June 25, 1921. Serial No. 480,432. 30 Claims. (Cl. 73—56.)



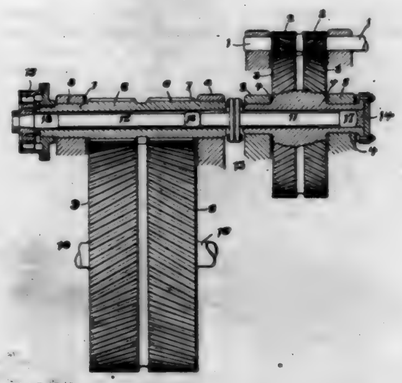
1. The method of testing hollow articles having openings therein which comprises subjecting the articles to internal fluid pressure, supporting the articles on a moving carrier by the application of pressure thereto supplied by a fluid communicating with that within the article, trapping the fluid within the articles for a predetermined period, and then relieving the pressure at a predetermined point in the travel of the carrier to release the articles, the pressure within the articles being relieved through the articles during said period if the articles leak, whereby the leaky articles are released before reaching said point.

1,536,091. ROTARY TRANSMISSION MEANS. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 19, 1920. Serial No. 359,877. 15 Claims. (Cl. 192—110.)



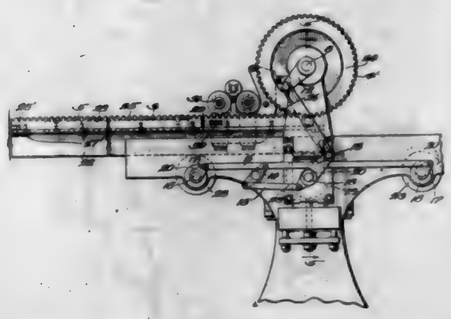
3. The combination with a receiving pulley and a tool-shaft extending therethrough, of means arranged to sustain them independently of each other, and means arranged to transmit rotation from said pulley to said shaft and dissipate vibration affecting the pulley, said shaft being in balance to rotate without producing vibration.

1,536,092. POWER-TRANSMISSION GEARING. HENRY L. GUY, Manchester, and PERCY L. JONES, Ashton-on-Mersey, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1921. Serial No. 469,002. 5 Claims. (Cl. 74—7.)



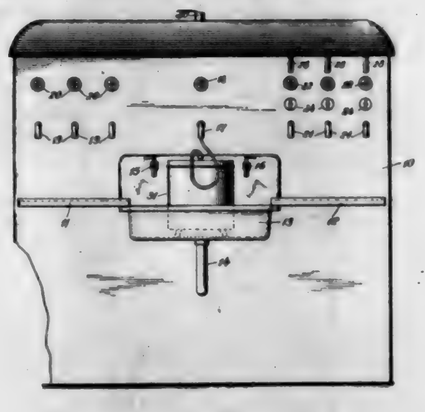
1. In a double reduction gear, the combination of an intermediate gear carried by a hollow shaft or hub portion, an intermediate pinion carried by a hollow shaft or hub portion, a loosely fitting and torsionally flexible shaft construction extending through the shaft or hub portions, couplings for connecting the outer ends of the flexible shaft construction to the outside ends of the hollow shaft or hub portions, one of the latter couplings being of the extensible type, and a bearing collar disposed adjacent to each coupling and a third bearing collar disposed substantially intermediate of said couplings for supporting the flexible shaft construction with respect to the hollow shaft or hub portion.

1,536,093. PRINTING PRESS. HORACE W. HACKER, Chicago, Ill., assignor to Hacker Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1924. Serial No. 686,071. 20 Claims. (Cl. 101—286.)



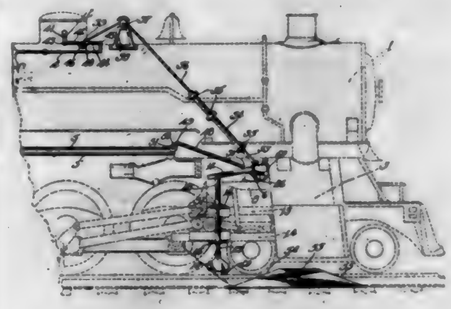
20. In a printing press, the combination with two complemental printing members thereof; of bearers upon said press members, one serving to operate the other and the printing press member coupled with it, in the printing operation; a gear element coupled with one member; and a complemental gear element coupled with the other member and in mesh with the aforesaid gear element during the printing stroke and movable while in mesh.

1,536,094. VAPOR ELECTRIC HEATING EQUIPMENT. WILLIAM S. HADAWAY, Jr., New Rochelle, N. Y. Filed June 27, 1917, Serial No. 177,168. Renewed Sept. 21, 1922. Serial No. 589,684. 15 Claims. (Cl. 219—39.)



1. A kitchen equipment comprising a sink, a heating panel associated therewith, a vapor discharge outlet, a vapor supply pipe adapted to be connected to said outlet, and means controllable from the panel for boosting the temperature of the vapor at the discharge outlet.

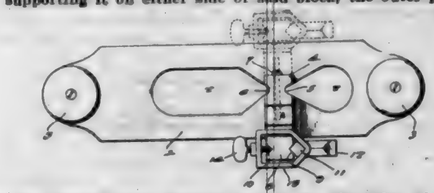
1,536,095. TRAIN-STOPPING DEVICE. CLAUDE I. HAINES and JOHN STANLEY BOWER, Aledo, Ill. Filed Oct. 5, 1922. Serial No. 592,636. 1 Claim. (Cl. 246—186.)



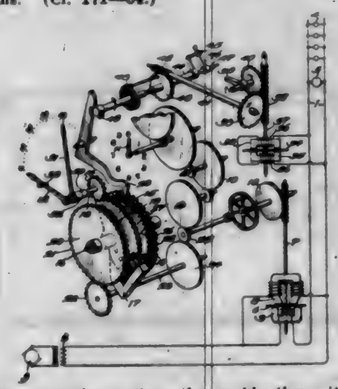
The combination with a steam locomotive having a throttle valve and a throttle rod for operating said throttle valve, of a break joint disposed between said throttle rod and said throttle valve, and at a point exterior of the cab of said locomotive, a cable connected with said break joint, and means associated with said locomotive and with the track upon which said locomotive is disposed for operating said break joint through said cable to open the joint, thereby operatively disconnecting said throttle rod from said throttle valve.

1,536,096. RABBETING PLANE. BENJIMIN F. HALEY, West Palm Beach, Fla. Filed Jan. 10, 1925. Serial No. 1,670. 3 Claims. (Cl. 145—5.)

1. A rabbeting plane comprising in combination, a bed plate, a block secured thereon and spaced from the side edges thereof, a tool post, means for detachably supporting it on either side of said block, the outer portion thereof being disposed beyond the side edge of the bed plate, and a clamp for detachably and adjustably securing a tool thereon.



1,536,097. MAXIMUM-DEMAND METER. JESSE HARRIS, La Fayette, Ind., assignor to Duncan Electric Manufacturing Company, La Fayette, Ind., a Corporation of Illinois. Filed Oct. 23, 1922. Serial No. 596,218. 7 Claims. (Cl. 171—34.)



1. In a metering system, the combination with a consumption circuit; of a constant speed electric motor supplied from said circuit; a second electric motor having current and pressure windings supplied from said circuit and operating proportionally to the wattage; and a resetting device including a pointer, a holder serving to maintain the pointer in the position to which it is moved, a pusher in pushing relation to the pointer when the pusher is moved in one direction and free of the pointer when the pusher is moved in the reverse direction, a pinion in connection with the pusher for turning it, a loosely mounted gear element in mesh with the pinion, a second pinion carried by said gear element, a driving gear in mesh with the second pinion, a second loosely mounted gear element also in mesh with the second pinion, a releasable holding dog for holding the second loosely mounted gear element, a cam in periodic releasing engagement with said dog and driven by said constant speed motor, and gearing coupling the second pinion with the second motor.

7. The combination with two normally engaged rotatable arms; of a motor in driving relation with one arm; a spring normally holding the other arm in engagement with the first; and a third arm, also driven by said motor, that is periodically engageable with the arm that is controlled by the spring.

1,536,098. PROCESS OF PREPARING PLASTIC COMPOSITION SUITABLE FOR FIBER FLOORING. HENRY G. JAEGER, Rose Hill, Calif., assignor of one-fourth to Everett R. Lambertson and one-fourth to George P. Clements, both of Eagle Rock City, Calif., and one-fourth to Julius Schneider, Los Angeles, Calif. Filed Oct. 4, 1922. Serial No. 592,418. 1 Claim. (Cl. 18—60.)

In the production of a surface, preparing a fibrous material by saturating it with a solution of magnesium chloride, allowing the material to drain, separately mixing powdered silica and powdered calcined magnesite, mixing this powdery mixture with the fiber prepared as above, adding sufficient of a solution of magnesium chloride to form a plastic mass, spreading the composition so prepared upon a material such as glass, adding a relatively porous backing composition thereto, then permitting the product to dry, then stripping the product from the surface of the glass, and finally applying a protecting coat to the surface which had been in contact with the glass.

1,536,099. PROCESS OF PREPARING A DECORATIVE FACING. HENRY G. JAEGER, Rose Hill, Calif., assignor of one-fourth to Everett R. Lambertson and one-fourth to George P. Clements, both of Eagle Rock City, Calif., and one-fourth to Julius Schneider, Los Angeles, Calif. Filed Oct. 4, 1922. Serial No. 592,419. 3 Claims. (Cl. 91—68.)

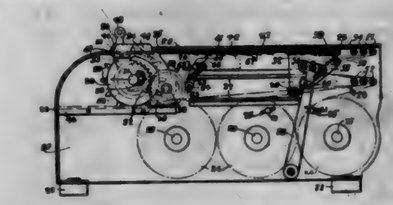
1. A process of producing decorative surfaces which comprises preparing a liquid mixture of turpentine, japan drier, varnish, and linseed oil, separately preparing a powdery mixture of silica, short fiber asbestos, and dry white lead, associating the mentioned mixtures in such proportions as to produce a plastic mass, applying said mass to a surface to be coated, permitting a surface hardening to take place, dusting an inert powdery material thereon, and then producing desired irregularities in the surface so prepared.

1,536,100. BOOK AND METHOD OF BINDING THE SAME. ERNEST JOHN, Ardmore, Pa. Filed Dec. 28, 1922. Serial No. 609,502. 15 Claims. (Cl. 129—1.)



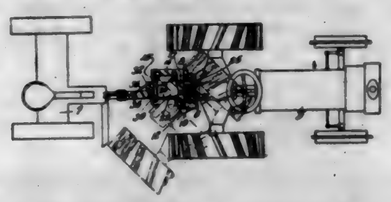
1. The method of binding a plurality of loose leaves so that any one may be removed and so that the page portions thereof will lie flat without bending or wrinkling or recoiling or springing back when opened, including the provision of a back or cover having pockets, folding each leaf so that it will have a page part and a back part, arranging the leaves in groups with the folded portions of the leaves opposed and with their back parts positioned within the pockets of the cover, and loosely connecting the groups together in a hinged relation.

1,536,101. AUTOGRAPHIC REGISTER. ARTHUR A. JOHNSON, New York, N. Y., assignor to The Egry Register Company, Dayton, Ohio. Filed Nov. 16, 1922. Serial No. 601,204. 30 Claims. (Cl. 282—21.)



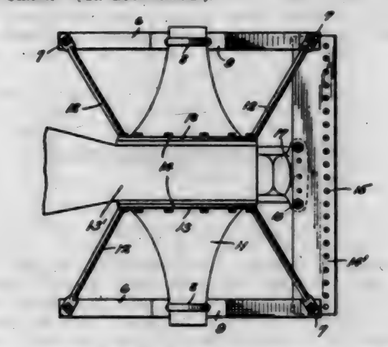
1. In an autographic register, the combination of a frame having a defined writing zone; a platen for supporting webs during writing operations; pin wheel feeding means to engage perforated portions of the webs; and means for advancing the webs relative to said writing zone by a forward, bodily movement of the pin-wheel feeding means.

1,536,102. TRACTOR HITCH. DANIEL JORDAN, Harrison, Nebr. Filed May 11, 1923. Serial No. 638,305. 1 Claim. (Cl. 280—33.5.)



A tractor hitch including a forward section and a rear section, a rod pivotally supported by the rear sections and having its ends disposed laterally of the rear section, a pair of hitching bars forming a part of the forward section, said hitching bars having rearwardly extending portions formed with ears, means for pivotally connecting the rod and ears of the rearwardly extended portions, a rod pivotally supported on the first mentioned rod and having a right angled end, said hitching bars having openings, and said right angled portion adapted to be postioned in the opening to restrict movement of the sections with respect to each other.

1,536,103. TRACTOR HITCH. DANIEL JORDAN, Harrison, Nebr. Filed May 15, 1924. Serial No. 713,556. 1 Claim. (Cl. 280—33.12.)



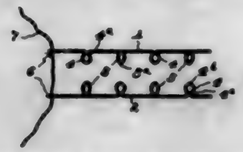
In a tractor hitch, a frame including side members, supporting arms having their free ends connected to the frame, a curved section for connecting the arms, said curved section adapted to be secured adjacent to the differential housing, and a bar connected with the side members of the frame and having a plurality of spaced openings formed therein.

1,536,104. SHOE-SHINING ATTACHMENT. HARRY C. KAHLO, Indianapolis, Ind. Filed Jan. 28, 1924. Serial No. 689,113. 4 Claims. (Cl. 15—265.)



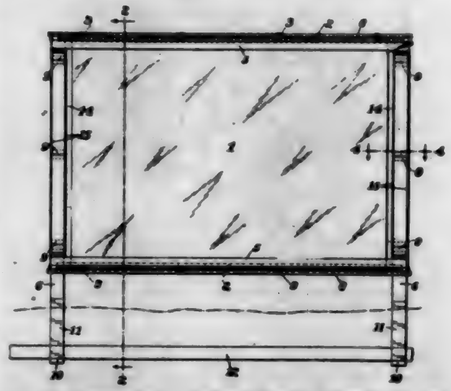
1. A shoe shining attachment comprising a member adapted to stand transversely of a bowl and rest on opposite edges thereon, open spring clips secured to the under side of said member and adapted to releasably engage over the respective edges of said bowl, and accessory holding means carried by said member, said member also having a foot supporting portion, substantially as set forth.

1,536,105. BAG CLOSURE. JOHN A. KAYE, Sault Ste. Marie, Ontario, Canada. Filed Apr. 2, 1924. Serial No. 703,655. 6 Claims. (Cl. 150—3.)



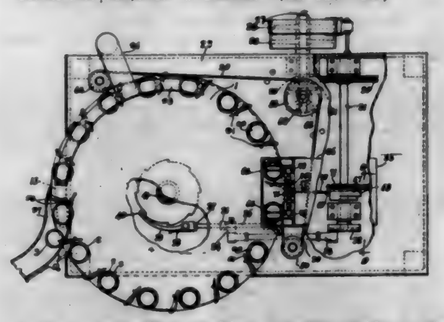
1. A fastening device of the character described, including longitudinal bars arranged in an opposed relation and provided at intervals with headed projections and expansible loops, said expansible loops on each bar being arranged opposite to the headed projections on the opposite bar so as to snap over the heads and contract into engagement with the stems thereof.

1,536,106. BILLBOARD. WARREN KELLEY, Baltimore, Md. Filed Oct. 4, 1924. Serial No. 741,740. 3 Claims. (Cl. 40—135.)



1. In combination, a billboard and a frame for supporting the same, comprising a pair of beams at the top of the board and a pair of beams at the bottom of the board, the members of each pair being spaced apart for air circulation and having the edge of the board located between them and spaced apart from them, and cross members for supporting the board from said beams.

1,536,107. CAN-MAKING MACHINERY. JOHN R. KLIN, Dayton, Ohio, assignor, by mesne assignments, to Menasha Printing and Carton Co., Menasha, Wis., a Corporation of Wisconsin. Filed May 31, 1923. Serial No. 642,608. 9 Claims. (Cl. 113—86.)



1. In a can-sealing machine, a rotary table, a plurality of supports mounted on the periphery thereof, a tank containing the sealing medium, spouts on said tank having their mouths adjacent the top of the supports on the rotary table, said tops being adapted to hold in position can bodies to be sealed, a supporting table for supporting the rotary table, the sealing medium tank, and the operating mechanism, means connected to each of said supports to rotate it, means connected to each of said supports to eject the can body therefrom, means to move said rotary table step by step, means to permit of the delivery of the sealing medium on the rotary table as at rest, and to cut off the sealing medium before the rotary table moves to a new position.

1,536,108. TENNIS RACKET. HARRY C. LEE, New York, N. Y. Filed Mar. 8, 1924. Serial No. 697,688. 1 Claim. (Cl. 273—73.)



A tennis racket having a head, a handle, and a throat intermediate of said handle and said head, said throat having a tapered slot substantially throughout its length in the plane of the head and with this slot widest at the handle end, whereby the racket, near the slot, will have material in nearly uniform cross section which will be in a position to best resist twisting stresses when the racket is in use.

1,536,109. HEARING DEVICE FOR PARTLY-DEAF PERSONS. HENRY L. LESSARD, Nashua, N. H. Filed Oct. 21, 1921. Serial No. 509,307. 4 Claims. (Cl. 181—24.)



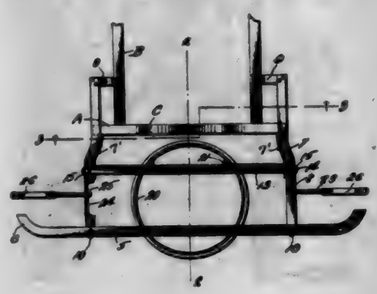
1. In a hearing device for partly deaf violin players, the combination of an ear-piece comprising an ear guard, an ear nipple of a size and form to enter the ear which projects from one side thereof and a nipple tube which extends from the ear nipple through the ear guard having threads at the end, with a holder cup through which said nipple tube passes, a curved spring holder carried by said holder cup and shaped to pass back of the head, and a bent coupling tube threaded on to said nipple tube outside said cup.

1,536,110. DOORLATCH. GOODRICH Q. LEWIS, Wheaton, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,335. 4 Claims. (Cl. 292—238.)



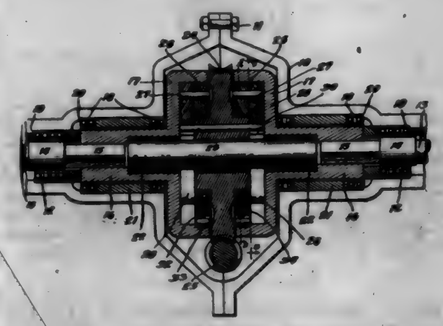
1. In a latch for a swinging door, two plates, one of which is adapted to be secured to the door and the other to the fixed member on which the door is mounted, one of said plates having a rigid shouldered projection, the other plate having a co-operable shouldered dog pivotally mounted thereon, the free end of the dog adapted to engage said plate having the rigid shouldered projection to positively limit the swinging movement of the door in an opening direction.

1,536,111. COMBINED CARRIER AND BUMPER FOR AUTOMOBILES. ROBERT P. LEE, Mitchell, S. Dak. Filed Sept. 23, 1924. Serial No. 739,417. 8 Claims. (Cl. 293—55.)



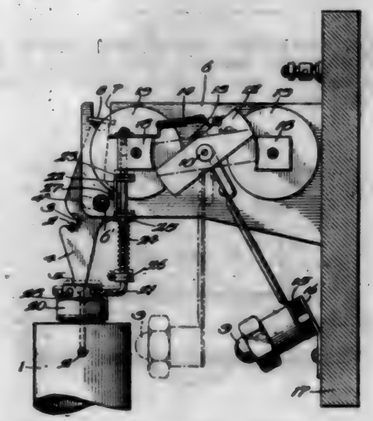
8. A device of the class described for attachment to a vehicle chassis embodying a pair of spaced side rails connected by an end cross rail, comprising a pair of bracket bars adapted to rest intermediate their ends on the cross rail having lateral inner arms adapted to engage the under sides of said side rails, and means rigidly connecting said bars.

1,536,112. DIFFERENTIAL-GEAR DRIVE FOR AUTOMOBILES, ETC. WALDEMAR L. LINDGREN, Chicago, Ill., assignor, by direct and mesne assignments, to Alfred A. Norton, trustee, Chicago, Ill. Filed May 17, 1924. Serial No. 713,919. 6 Claims. (Cl. 74—7.)



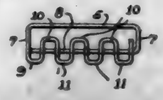
1. In a differential, the combination with a central driving disk and means for rotating the same, of a pair of cup-shaped driven disks facing each other on opposite sides of the driving disk, a pair of rings in the cup portions of the driven disks adjacent the driving disk both peripheries proper of each of said rings being out of engagement with their respective disks, a clutch dog pivoted on each of said rings co-operating with the inner periphery of the cups, and connections between the driving disk and the clutch dogs to rock the same as the driving disk is rotated relative to the driven disks.

1,536,113. SOUND-PRODUCING MECHANISM. FREDERICK B. LITTLE, Chicago, Ill., assignor to J. C. Deagan, Inc., Chicago, Ill., a Corporation of Illinois. Filed Apr. 2, 1920. Serial No. 370,834. 2 Claims. (Cl. 248—30.)



2. A hanger including two upright plates each having a hook forming notch and each provided with a laterally extending external ear; in combination with a support upon which said plates are mounted to swing; a load supporting bail received in said notches to embrace portions of said plates and positioned by engagement with said ears; and means for holding the plates in positions to which they are adjusted.

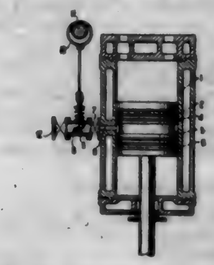
1,536,114. BUCKLE. LOUIS B. LOVEJOY, Bridgeport, Conn., assignor to The Warner Brothers Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Aug. 21, 1924. Serial No. 733,751. 2 Claims. (Cl. 24—144.)



1. A buckle comprising a back and a clamping lever pivoted thereon, said back being made of a single piece of wire bent to provide at the top a bar upon which the clamping lever is pivoted, one end of said wire extending straight across the bottom and the other end thereof extending across the bottom in a sinuous path to provide alternately upwardly and downwardly projecting teeth adapted to be bent toward each other and to cooperate with said first end for clamping a piece of webbing.

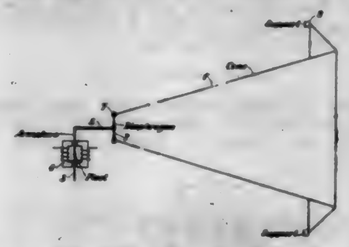
1,536,115. MEANS FOR ASCERTAINING LEAKAGE OF PISTONS OF DOUBLE-ACTING INTERNAL-COMBUSTION ENGINES. GERARD JOHAN LUDT, Amsterdam, Netherlands, assignor to Nederlandsche Fabriek van Werktuigen en Spoorwegmaterieel, Genaamd "Werkspoor," Amsterdam, Netherlands, a Company of the Netherlands. Filed May 7, 1923. Serial No. 637,069. 2 Claims. (Cl. 123—198.)

1. In double acting internal combustion engines, the combination with the closed cylinder provided with an opening in its wall intermediate its ends and a passage leading therefrom, of a piston having an annular recess intermediate its ends adapted to register with the said opening during the movements of the piston, a closing member situated in the said passage and adapted to govern the escape of gases from the said annular recess through the said opening, and means operated by the



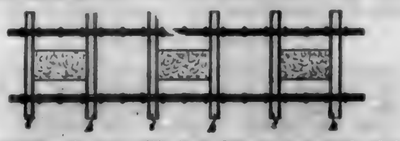
engine shaft for automatically controlling the said closing member in tune with the cycle in the said cylinder.

1,536,116. SOUND REPRODUCER. WILLIAM H. MARTIN, Chappaqua, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 1, 1924. Serial No. 703,510. 6 Claims. (Cl. 179—116.)



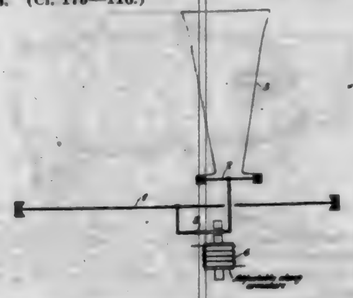
1. In a sound reproducer, a diaphragm having a high natural period, a diaphragm having a low natural period, said last mentioned diaphragm being substantially cone shaped and being so related to said first mentioned diaphragm as to constitute a horn therefor, and means to apply a driving force to said diaphragms, said means being so related to the diaphragms that when a low frequency driving force is applied to the system the diaphragm having a high period will offer a large mechanical impedance to the driving force so that the driving force will be most effective upon the diaphragm of low frequency.

1,536,117. METALLIC-RAIL-SUPPORT CONSTRUCTION. MAX MATTHAEI, Cassel-Wilhelmshohe, Germany. Filed July 31, 1924. Serial No. 729,402. 1 Claim. (Cl. 238—26.)



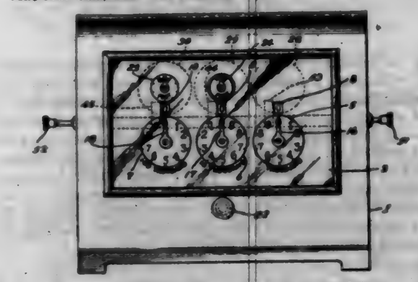
A permanent way with iron frames composed of U-shaped longitudinal and cross sleepers, the cross sleepers being inserted from below in incisions of the longitudinal sleepers, comprising in combination U-shaped longitudinal iron sleepers having incisions in the flanges which extend up to the web, flaps formed by the edges of the incisions of the flanges of each longitudinal sleeper being bent up from said flanges, U-shaped iron cross sleepers inserted in said incisions of the longitudinal sleepers so that the web part of each incision rests upon the upper surface of a cross sleeper and the corresponding flaps of the longitudinal sleeper are in close contact with the flanges of the corresponding cross sleeper, and screws for fixing said flaps on said cross sleepers.

1,536,118. SOUND REPRODUCER. BRUNSON S. MCCUTCHEN, North Plainfield, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 1, 1924. Serial No. 703,509. 9 Claims. (Cl. 179—116.)



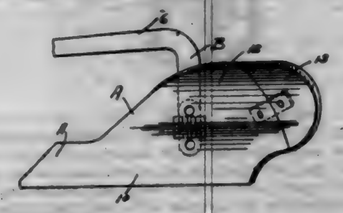
1. In a sound reproducer, a diaphragm having a high natural period, a diaphragm having a low natural period, and means to apply a driving force to said diaphragms, said means being so related to the diaphragms that when a low frequency driving force is applied to the system the diaphragm having a high period will offer a large mechanical impedance to the driving force so that the driving force will be most effective upon the diaphragm of low frequency.

1,536,119. DEMONSTRATING INDEX DEVICE. DONALD MCDONALD, New York, N. Y., assignor to American Meter Company, Incorporated, New York, N. Y., a Corporation of Delaware. Filed June 14, 1923. Serial No. 645,243. 10 Claims. (Cl. 35—16.)



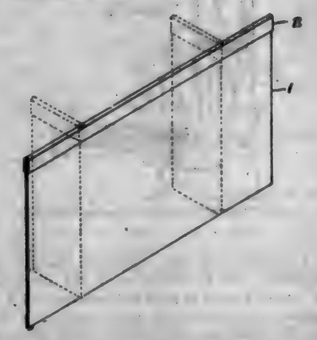
1. A demonstrating index device comprising a face plate having a series of groups of unit markings, each group having a different unit value, a pointer for each group, a train of driving gears cooperating with said pointerrs, and means cooperating with said train to expose a number marking corresponding to the number of units indicated by the pointer in each group.

1,536,120. CULTIVATOR SHOVEL. JOHN C. MECKLENBURG, Hancock, Minn. Filed Oct. 20, 1923. Serial No. 669,838. 1 Claim. (Cl. 97—198.)



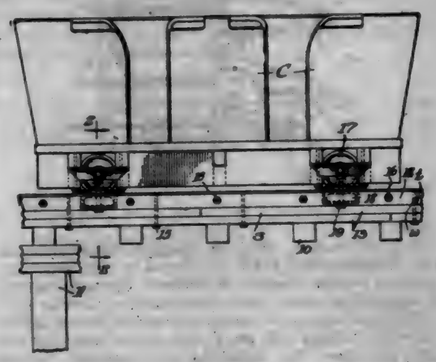
The combination with a cultivator standard, of a cultivator foot and a clamp for connecting the foot to the standard including an attaching body plate secured to the shovel having a pair of spaced slots therein, a pair of companion clamping jaws including arcuate body portions for embracing the standard, curved hook portions formed on the inner ends of the body portions for engaging through said slots in the attaching body plate, and spaced outwardly extending ears formed on the opposite terminals of the body portions, and means for adjustably connecting the ears together.

1,536,121. METHOD OF MAKING HAND BAGS AND PRODUCT THEREOF. JACOB S. MEYER, Pittsburgh, Pa. Filed July 23, 1924. Serial No. 727,723. 2 Claims. (Cl. 190—54.)



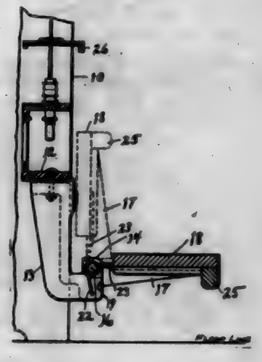
1. The method herein described of making the U-shaped member, of a hand bag with the bag material secured thereto, which consists in assembling a web of bag material between the opposite webs of a straight strip of metal channel-shaped in cross section, bending the strip when assembled upon the bag material transversely to U-shape between dies, and in so doing effecting at the bend constriction of the outer web upon the inner and a finished union between the web of bag material and the frame.

1,536,122. PLEASURE-RAILWAY STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed Dec. 11, 1924. Serial No. 755,183. 11 Claims. (Cl. 104—246.)



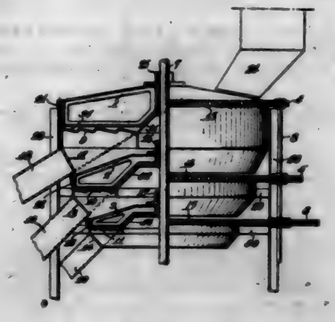
1. In track construction for pleasure railway structures, the combination of supporting stringers, rails in the form of commercial T-bars, and means securing said rails with their webs vertical and against the inner side of said stringers and with the outer sections of their tops against the top of the stringers, said tops forming rail surface for vehicle wheels, the inner faces of the webs and the under sides of the inner sections of the tops being clear to form abutment surfaces.

1,536,123. SPINNING, TWISTING, AND LIKE MACHINE. JOHN A. MINSHULL, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Jan. 15, 1925. Serial No. 2,562. 5 Claims. (Cl. 118—1.)



1. In a machine of the character specified having a rail connecting the end frames of the machine, a plurality of hangers in a stationary relation with said rail, a swingable arm pivoted to each hanger, a board supported by the arms, an abutment on each arm cooperating with the end of its supporting hanger, and means to automatically swing the board from its operative position to its inoperative position against the side of the machine.

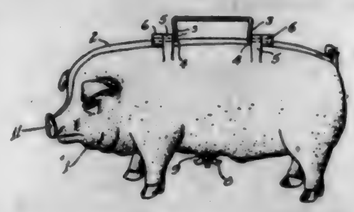
1,536,124. SIFTING OR SEPARATING MACHINE. FRANK S. MOORE, Chester, and OTTO R. VAN BOEHM, Scottdale, Pa. Filed Nov. 19, 1924. Serial No. 750,947. 4 Claims. (Cl. 83—56.)



1. In an upright screening machine, the combination with a central fixed shaft, of a series of perforated platforms or screens, paddles or scrapers rotatably mounted on said central shaft above each platform, circular gears rigidly connected to the outer extremities of the paddles, means for driving said gears, and chutes connected with said platforms for delivering the material retained thereon.

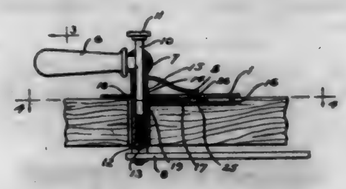
1,536,125. ANATOMICAL DISPLAY CASE. CHARLES AARON MOORMAN, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 756,165. 4 Claims. (Cl. 35—12.)

1. An anatomical display case of the character described comprising a pair of hingedly connected cooperating members having the outward appearance, when in registration with one another, of one of a species of domestic stock, one of said cooperating members having its interior walls formed to designate the internal physiological members of the species, and being further provided



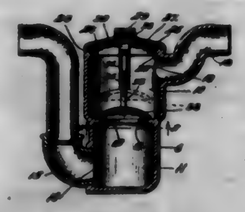
with compartments, each of said compartments having a transparent cover and being filled with ingredients beneficial to that portion of the animal in the vicinity of the container.

1,536,126. SELECTOR-HANDLE LOCK. GEORGE J. NETH, Dayton, Ohio, assignor to The Egry Register Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 6, 1922. Serial No. 592,710. 5 Claims. (Cl. 235—130.)



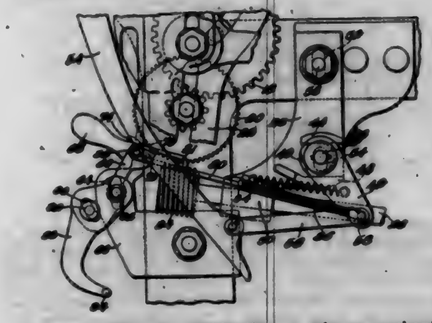
4. In combination a selector handle, a plunger traveling vertically therein, yielding means to maintain said plunger in its inoperative position, an unlocking lug on said plunger, a locking plate adapted to engage with said selector handle at a pre-determined point, whereby when said handle is so locked the depression of the plunger will result in the unlocking of the handle therefrom, and yielding means to maintain said locking member in engagement with the said handle when locked, and in the path thereof when unlocked, and means for limiting the movement of said locking member.

1,536,127. WASTE TRAP. ALBERT S. NEWTON, Providence, R. I. Filed Jan. 21, 1924. Serial No. 687,434. 4 Claims. (Cl. 182—14.)



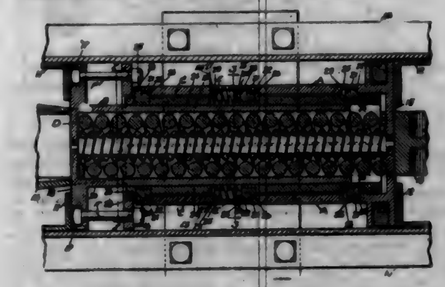
1. In a waste trap, a body having upper and lower chambers, the latter constituting the seal chamber, said chambers being provided with outlet and inlet respectively, a seat intermediate said inlet and outlet, and a baffle interposed between said inlet and outlet and movably mounted for cooperation with said seat, said baffle constructed to retard the inflow of the water to maintain maximum water in the seal chamber, and to automatically prevent back pressure and siphonage.

1,536,128. TAKE-UP MECHANISM FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Jan. 29, 1923. Serial No. 615,516. 1 Claim. (Cl. 139—313.)



A loom having, in combination, a take-up mechanism, means for driving the take-up mechanism, a change lever, connections between the change lever and the driving means to disengage the driving means from the take-up mechanism, a let-back device normally maintained out of engagement with the take-up mechanism, and a hunter mounted upon the let-back device and adapted to move the change lever upon manual movement of the let-back device.

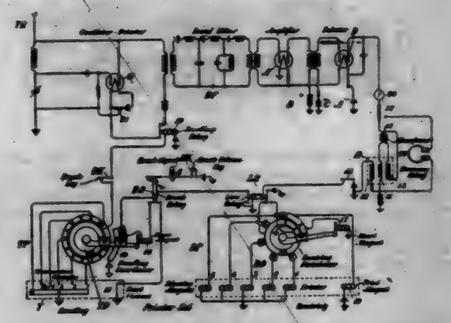
1,536,129. FRICTION SHOCK-ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed July 19, 1922, Serial No. 575,963. Renewed Oct. 4, 1924. 9 Claims. (Cl. 213—36.)



1. In a friction shock absorbing mechanism, the combination with elongated telescoped inner and outer members, one of said members having friction surfaces and the other oppositely disposed wedge surfaces; of elongated friction shoes interposed between said telescoped members, each shoe having a friction surface on one side and wedge surfaces on the other side; a main spring resistance operative between said two members to yieldingly resist relative approach thereof; and additional spring means, associated with said shoes and said member having the wedge surfaces, tending to force said shoes and said wedge surfaced member in opposite directions, said additional spring means being located within openings provided in said wedge surfaced member and shoes.

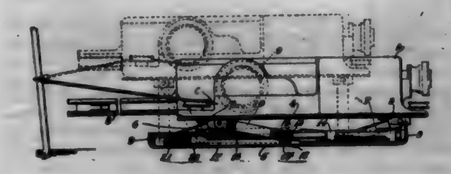
1,536,130. OPERATION OF PRINTING APPARATUS BY RADIO. DONALD B. PRAY, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,877. 10 Claims. (Cl. 250—8.)

1. In a radio signaling system, a plurality of intercommunicating stations, each station emitting waves of a different frequency, means at each station for producing a beat frequency from the two waves, means at each station for superposing telegraph signals on the wave emitted by that station whereby similar signals are superposed upon the beat frequency produced at each station, means whereby the wave which is emitted from the sta-



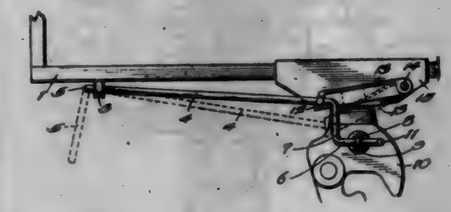
tion which is receiving may be interrupted when the receiving operator desires to break in, thereby causing the beat frequency to cease, and means at the station which is sending responsive to the interruption of the beat frequency to operate a break signal at said station.

1,536,131. MINING MACHINE. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 4, 1921. Serial No. 489,763. 16 Claims. (Cl. 262—8.)



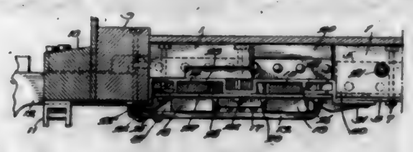
1. In combination with a kerf-cutting element having power actuated flexible draft mechanism mounted on and movable therewith, a support for said element, and means on said support adapted to coact with said draft mechanism for elevating said element.

1,536,132. CAR-UNCOUPLING MECHANISM. HERMAN C. PRIESE, Blue Island, Ill. Filed Mar. 9, 1921. Serial No. 451,010. 1 Claim. (Cl. 213—168.)



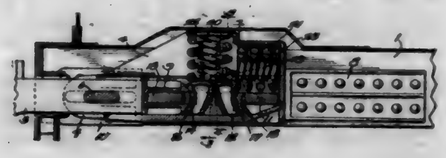
The combination with the lock of a car coupler; of a lever in the form of a rod journaled at its outer end and bent at its inner end to form a crank which has withdrawing engagement with said lock; and a horizontally swinging arm upon which the inner portion of said lever is journaled at a substantially fixed point with reference to the arm and serving to permit shifting of the lever as it is operated to withdraw the lock.

1,536,133. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed Apr. 17, 1922. Serial No. 554,248. 2 Claims. (Cl. 213—52.)



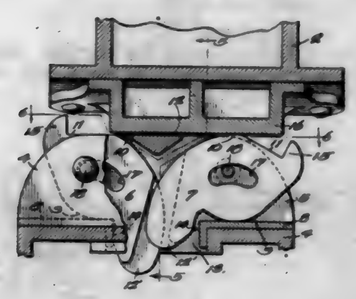
1. In a car structure, the combination with two draft sills; of a draft gear having keys as component parts thereof; and two draft gear carriers assembled with said sills and having openings receiving the ends of said keys and including applied bottom plates whereby the draft gear may be assembled with the balance of the car structure from beneath the draft sills.

1,536,134. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed July 17, 1923. Serial No. 652,131. 7 Claims. (Cl. 213—28.)



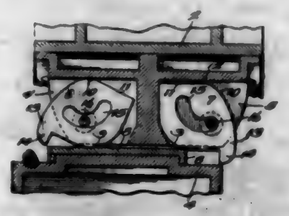
1. Shock absorbing mechanism for draft gears including two motion resisting devices and rocker mechanism including two coacting rockers in the line of draft and positioned to transmit draft strains to both of said motion resisting devices, said rocked mechanism including two portions operating in relatively angular directions and respectively individual to said motion resisting devices and transmitting draft strains thereto.

1,536,135. RAILROAD CAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed Dec. 19, 1923. Serial No. 681,609. 11 Claims. (Cl. 64—65.)



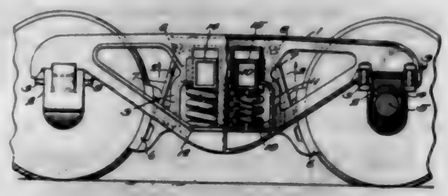
1. The combination with a car truck bolster; of a car body bolster; and oscillating rollers interposed between the bolsters and each formed to support the body bolster, when turned to one position and to be free of this supporting relation when turned to an alternative position and each having a lug engageable with a bolster to be turned thereby to functioning position when the bolsters are angular and each being self-restoring to non-functioning position when the bolsters are parallel.

1,536,136. RAILROAD CAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed Dec. 19, 1923. Serial No. 681,610. 6 Claims. (Cl. 64—65.)



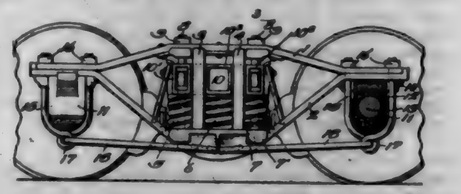
1. The combination with a car truck bolster; of a car body bolster; and oscillating rollers interposed between the bolsters and each formed to support the body bolster, when turned to one position and to be free of this supporting relation when turned to an alternative position and each having a lug engageable with the truck bolster to be turned thereby to functioning position when the bolsters are angular and each being self-restoring to non-functioning position when the bolsters are parallel.

1,536,137. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,367. 5 Claims. (Cl. 105—197.)



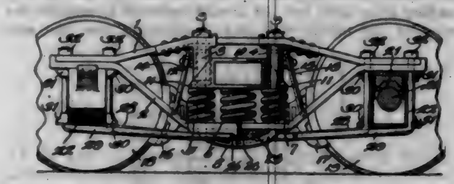
1. A car truck including the side frames thereof, each having three upright bars spaced apart longitudinally of the truck; a truck bolster extending between said frames and forked into two branches at each end, the middle bars being between the fork branches of the bolster ends adjacent thereto and said fork branches being between the adjacent middle bars and the bars upon the sides of the middle bars; and springs carried by said side frames and in supporting relation to the bolster.

1,536,138. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,368. 16 Claims. (Cl. 105—204.)



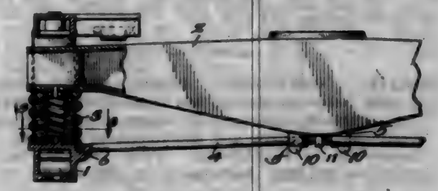
1. A car truck including the side frame thereof; a journal box; a U bolt assembled with the side frame and defining therewith a space in which the journal box is received; and a link connecting the U bolt with a remote portion of the truck.

1,536,139. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,369. 16 Claims. (Cl. 105—197.



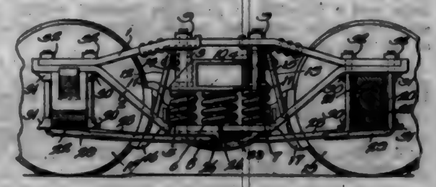
1. A car truck including the side frames thereof, each having two upright bolster guide bars; a truck bolster extending between said frames and forked into three branches at each end, said guide bars being received between the branches of the bolster.

1,536,140. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,370. 19 Claims. (Cl. 105—197.)



2. A car truck including the side frames thereof; a truck bolster extending between the side frames; bolster supporting springs carried by the side frames; and linkage connecting the side frames with intermediate portions of the bolster, the side frames having upwardly facing hooks receiving the linkage at the side frames and closely underlying said springs that hold the linkage and said frames in assembly.

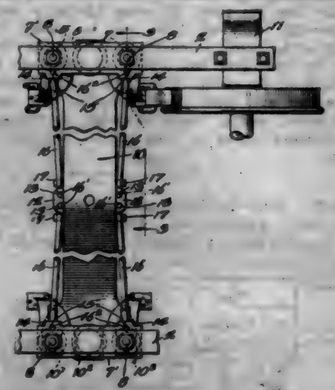
1,536,141. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,372. 18 Claims. (Cl. 105—197.)



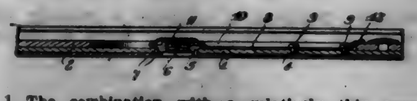
1. A side frame for car trucks including a frame member in the form of a U bolt whose sides are disposed and shaped to form two lower longitudinal and two end portions of the frame.

1,536,142. RAILROAD-CAR TRUCK. HERMAN C. PRIEBE, Blue Island, Ill. Filed Feb. 12, 1924. Serial No. 692,373. 10 Claims. (Cl. 105—197.)

7. A car truck including the side frames thereof; a truck bolster extending between the side frames; bolster supporting springs carried by the side frames; and two links, one individual to each side frame, each link connecting the side frame to which it is individual with an intermediate and side portion of the bolster, the bolster having upright sockets and the links having down turned inner ends received in said sockets, said springs holding the links and side frames in assembly.

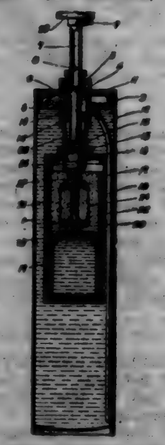


1,536,143. TRIPOD CONNECTION FOR CAMERAS. JOHN A. ROBERTSON, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 16, 1922. Serial No. 582,119. 2 Claims. (Cl. 248—46.)



1. The combination with a relatively thin support having a nut rigidly held therein provided with a threaded aperture extending from side to side of the support, of a yielding closure for the upper side of the nut adapted to be displaced by a screw extending therethrough.

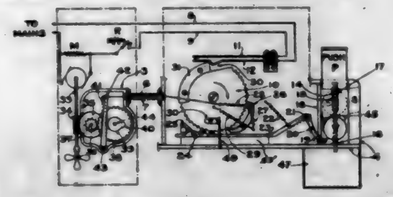
1,536,144. FIRE EXTINGUISHER. LUTHER ROBINSON, Eldorado, Kans. Filed Oct. 10, 1923. Serial No. 667,642. 5 Claims. (Cl. 169—32.)



1. A fire extinguisher comprising a casing having a removable cover with a depending collar, a nipple on the end of the collar, a gas chamber casing connected

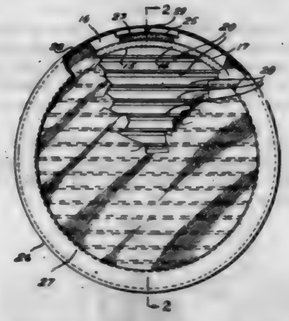
to the nipple, a plunger stem projecting through the cover and having a head projecting through an opening in the gas chamber casing, the head being of greater diameter than the stem, the stem having a hollow portion provided with an inlet and an outlet, the inlet communicating with a chamber formed by the collar carried by the cover, the outlet in the stem being on the outside of the casing, and a pipe communicating with the chamber and with the interior of the casing, the gas chamber casing being adapted to contain chemicals rendered active by longitudinal movement of the plunger.

1,536,145. COIN-CONTROLLED MECHANISM. ROSCOE ROYAL, Chicago, Ill. Filed Dec. 30, 1920. Serial No. 434,032. 4 Claims. (Cl. 192—142.)



1. The combination with a motor; of a worm wheel upon the motor shaft; a gear train operated by the worm wheel and including a follower member; a lever escapement and ratchet member; and a flexible connection in controlling relation to said escapement and controlled by said follower member.

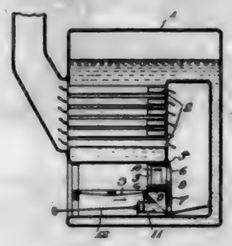
1,536,146. HEADLIGHT. ARMAND P. SAFFERT, Cliffside, N. J. Filed Mar. 9, 1923. Serial No. 623,969. 4 Claims. (Cl. 240—48.)



1. In a headlight, a casing having a lens receiving opening therein, a ring-shaped member disposed at the edge of the said opening, a plurality of horizontally disposed translucent slats mounted within the opening of the member and arranged in vertically spaced and forwardly declined relation one with respect to the other, means carried by said member for cushioning the engaged ends of said slats, a lens adapted to cover the opening of said member at the outer side thereof, and means for detachably securing said member and lens in position.

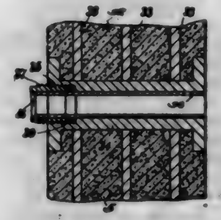
1,536,147. COMPLETE-COMBUSTION APPARATUS FOR MARINE BOILERS. TOKUSABURO SATO, Osaka, Japan. Filed Jan. 6, 1922. Serial No. 527,512. 1 Claim. (Cl. 110—73.)

In a furnace, a fire box, an ash pit, a bridge wall in rear of the ash pit and fire box and having an opening extending rearwardly from the fire box, and a combustion chamber into which said opening discharges, the said bridge wall having on its rear side a flange which depends therefrom and also presents a frusto-conical inner side forming a contraction of the rear end of said opening, the said bridge wall also having a hot air intake opening leading from the ash pit and a duct leading from said hot air intake opening formed in the mass of the bridge wall and discharging into one side



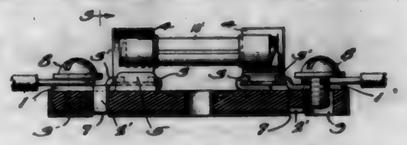
of the first named opening therein and a frame supporting said bridge wall and against the rear side of which the said depending flange of the fire wall bears, said frame and flange also having an opening to establish direct communication between the ash pit and the combustion chamber, and means to control the passage of air through said opening and also through said hot air intake opening and said duct.

1,536,148. CONDENSER. ARTHUR EDWIN LEIGH SCANES, Ashton-on-Mersey, and OTHO ROBERT VERITY, Hale, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 25, 1918. Serial No. 264,029. 5 Claims. (Cl. 257—24.)



1. In a surface condenser, having the shell and hotwell made of cementitious material, a water box comprising a tube plate constructed of cementitious material and a plurality of parallelly disposed metallic reenforcing plates embedded in the cementitious material of the tube plate.

1,536,149. CLIP STRUCTURE. WILLIAM SCHMID, Coldwater, Mich., assignor to Caskey-Dupree Manufacturing Company, Coldwater, Mich., a Corporation of Ohio. Filed Mar. 25, 1924. Serial No. 701,873. 3 Claims. (Cl. 200—134.)



2. A clip structure including a U shaped gripping member made of spring metal; and a base member formed of softer metal and having a prong formation integrally formed therewith and in clinching engagement with the bight of the gripping member.

1,536,150. PNEUMATIC ACTION FOR MUSICAL INSTRUMENTS. CHARLES G. SCHNELL, North Tonawanda, N. Y., assignor to Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y., a Corporation of New York. Filed May 24, 1922. Serial No. 563,183. 2 Claims. (Cl. 84—55.)

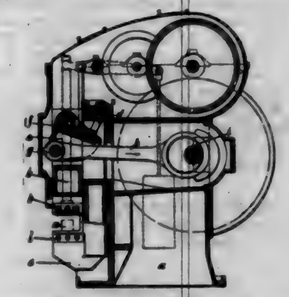


1. A unit valve-block for pneumatic musical instruments, comprising a valve chamber having exhaust and flushing ports, valves controlling said ports, a pouch chamber containing a pouch for actuating said valves, an atmospheric chamber underneath the pouch and a passage located near one side of the block and leading to said atmospheric chamber, said block having a screw-opening extending rearwardly from its face, and located near the same side thereof as said passage, and an elbow-shaped nipple connected to said passage and having its shank portion extending diagonally from the block with its inner side at an acute angle to the face of the block, whereby the projecting portion of the nipple is offset relative to said screw-opening.

1,536,151. PROCESS FOR DYEING TEXTILE FABRIC, PAPER, AND LIKE MATERIALS. MARIA SCHOLL, Leichlingen, Germany. Filed June 25, 1923. Serial No. 647,759. 9 Claims. (Cl. 8—5.)

2. The described step in the art of dyeing textile and other porous material, which consists in passing the dyed material through a quick-acting hot oil bath.

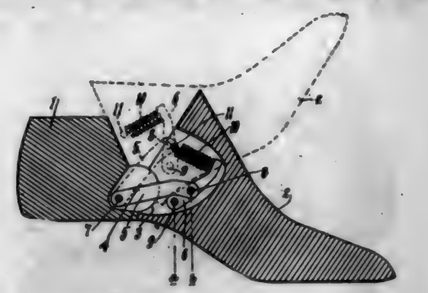
1,536,152. SHEARS WITH TWO MOVABLE BLADES. CARL SCHORN, Dusseldorf-Rath, Germany. Filed Sept. 3, 1924. Serial No. 735,689. 3 Claims. (Cl. 164—47.)



1. A shearing machine having a pair of blades, a linkage device interconnecting the blades, and an operating member connected intermediate the linkage device for moving said blades toward and from each other, said linkage device being adapted to initially yield at either end whereby when one of said blades engages the work ahead of the engagement of the other blade, the first blade may be maintained at rest during the closing movement of the other blade and said blades may then be uniformly engaged with the work.

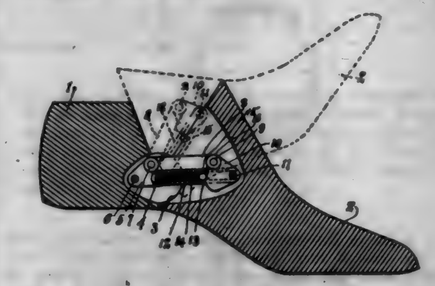
1,536,153. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,758. 2 Claims. (Cl. 12—136.)

1. In a last of the divided type and comprising a toe part and a heel part, a link pivoted to the heel part and extending into the toe part, a second link pivoted to the toe part, said first link being pivotally attached to



the second link intermediate the ends of the latter, and means for applying power to the end of the second link remote from its point of attachment to the toe part.

1,536,154. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,761. 2 Claims. (Cl. 12—136.)

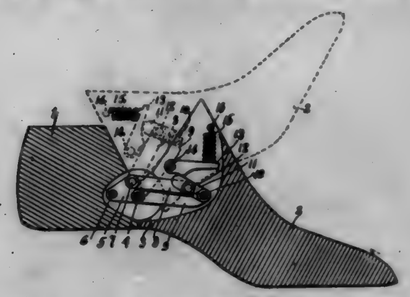


1. In a last of the divided type and comprising a heel part and a toe part, and bearing pin for said last parts, a triangular shaped plate having one extremity secured on said bearing pin, another extremity secured to said heel part, a bearing pin in the toe part, a tube within the heel part and toe part and mounted on said bearing pins, a substantially triangular shaped plate pivoted about said bearing pin in the toe part, a link having one end pivotally connected to said plate in the heel part and its other end pivotally connected to the plate in the toe part, and a spring within said tube for rotating the plate within the toe part about the bearing pin in said toe part to thereby maintain the heel part and toe part in extended position and in collapsed position under tension.

1,536,155. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,763. 1 Claim. (Cl. 12—136.)

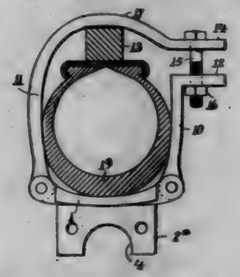
In a last of the divided type, the combination of a heel part and a toe part, a bearing pin for said last parts, a plate mounted in the heel part and secured on said bearing pin, a second pin for attaching said plate to the heel part, a link extending from said bearing pin into the toe part of the last, a lever in the toe part of the last, a bearing pin passing through the end of said lever and said link to pivotally connect said link and lever to

the toe part of the last, a link extending from the plate in the heel part to a point intermediate the ends of the lever in the toe part, and a spring-actuated lever for



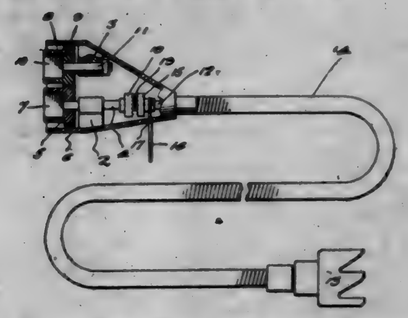
applying power to the first mentioned lever in the toe part of the last to maintain the last parts in extended position and in collapsed position under tension.

1,536,156. TRACTION DEVICE. RAYMON A. SHIMAY, Boston, Mass. Filed Feb. 9, 1924. Serial No. 691,571. 2 Claims. (Cl. 152—14.)



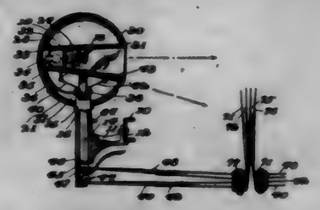
1. A traction device comprising a plate having a calk on its exposed face, and locking members loosely connected with said plate, one locking member having an elbow substantially parallel with the axis of the wheel, and the other locking member passing over the rim of the wheel and having its terminal portion substantially parallel with said elbow, and a bolt penetrating said terminal portion and elbow and forcing them toward each other.

1,536,157. POWER-DRIVEN WRENCH. JAMES W. SLACK, East Enterprise, Ind. Filed Mar. 13, 1924. Serial No. 698,906. 3 Claims. (Cl. 81—54.)



1. A device of the class described comprising a casing open at its respective ends, a driven shaft journaled in said casing adjacent the outer end thereof, a socket member mounted on the outer end of said driven shaft, an additional socket member supported in said casing and adapted to be actuated by the first mentioned socket member, a flexible drive shaft extending through the opposite end of said casing, the outer end thereof adapted for connection to a source of power, the inner end of said flexible drive shaft being adapted for connection with said driven shaft whereby the latter may be actuated thereby, and clutch means for moving the drive shaft into and out of engagement with the driven shaft.

1,536,158. DIRIGIBLE HEADLIGHT. CHARLES E. SPARHAWK, Drumheller, Alberta, Canada, assignor to himself, Charles W. Perry, and Hilliard C. McConkay, trustees, all of Drumheller, Canada. Filed Mar. 28, 1923. Serial No. 628,369. 2 Claims. (Cl. 240—61.)



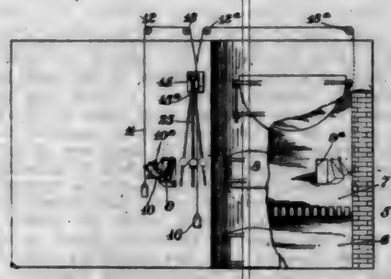
1. In an apparatus of the character described, a steering wheel having rotatable hand gripe, a pair of headlights, each including a globular casing provided with a front opening and with a lower elongated slot, a tapering barrel fixed diametrically within the casing and having its larger end interfitting the front opening of the casing, a light bulb and lens within said barrel adjacent to its inner smaller end, an upright hollow spindle having its upper end projecting into the casing through said slot and provided with upwardly and outwardly curved arms pivotally connected to the inner surface of the casing at diametrically opposed points in a line at right angles to the axis of the barrel, means carried by the upper portion of the spindle to cover the casing slot, a support in which the spindle is journaled, and flexible control members actuated by the steering wheel and by the said hand gripe, the former operatively associated with the lower end of the spindle and the latter extending upwardly through the spindle and connected to the forward and rear portions of the barrel within the casing.

1,536,159. SELF-WINDING CLOCK. MARK A. STANDOW, Hartford, Conn. Filed June 11, 1923. Serial No. 644,784. 1 Claim. (Cl. 58—41.)



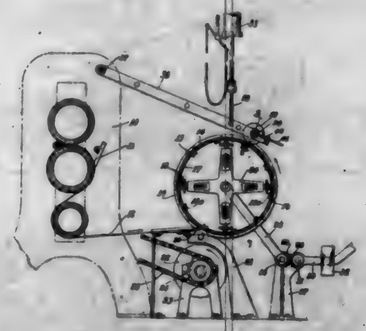
A self winding time mechanism with a time movement having a main spring and a main spring arbor, a ratchet wheel mounted on said arbor, a lever pivoted to the frame of the time movement, twin magnets for attracting the lever, a fixed contact member having certain connections with the magnets, a second lever carrying a movable contact to engage the first contact and provided with a rounded projecting arm, a third lever provided with a locking frame adapted to engage the rounded arm of the second lever, pivotally supported to drop below said rounded projecting arm, means carried by the first lever for forcing the third lever into locking position to hold said movement contacts separated from said fixed contact, an arm carried by the first lever, a spring connected with said arm and a pawl carried by said last arm for engaging the ratchet wheel, and the main spring being of sufficient power to maintain the time movement active for a fraction of an hour period and the second spring combining with said main spring to maintain normal tension upon the time movement.

1,536,160. MEANS FOR AUTOMATICALLY CLOSING FURNACE DOORS. ROBERT W. STEWART, Findlay, Ohio. Filed Feb. 21, 1922. Serial No. 538,361. 4 Claims. (Cl. 118—55.)



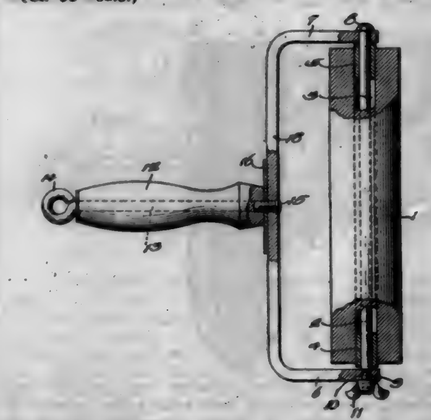
1. In combination with a combustion chamber having an air inlet, a gravity actuated door to close the same, a flexible member connected at one end to said door, a weight on the other end of said flexible member of less weight than the weight of the door, a drum around which the flexible member is coiled between said weights in slipping frictional engagement with the drum to drive the latter by the weight of the closing door, an escapement mechanism including an escapement wheel driven by said drum and a pendulum having a crutch engaging the escapement wheel for gradually closing the door, substantially as described.

1,536,161. APPARATUS FOR MAKING CUSHION TIRES. JOHN M. STRAUB, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,332. 10 Claims. (Cl. 154—0.)



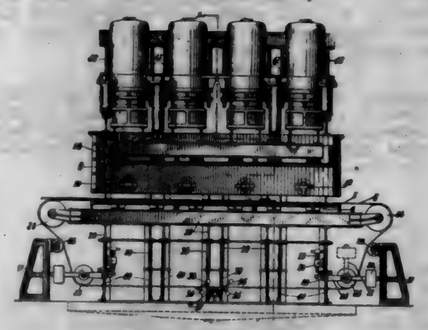
2. Apparatus for making cushion tire-bodies comprising a tire-base, a core-structure extending from the outer periphery thereof, a pair of presser rollers straddling said core-structure, and yielding means for pressing said rollers toward each other against said core-structure.

1,536,162. ROLLER. THOMAS W. SUDDARD, Two Rivers, Wis., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Jan. 30, 1923. Serial No. 615,810. 2 Claims. (Cl. 91—62.5.)



2. A roller including a revoluble member; a bail between the sides of which said revoluble member is mounted to turn; and a handle that is inclusive of a bolt threaded into the mid portion of the bail, the inner end of this bolt being of rivet formation to secure the assembly of the bolt and bail.

1,536,163. APPARATUS FOR MAKING SHEETS OF PULP AND SIMILAR ARTICLES. DANIEL MANSON SUTHERLAND, JR., Trenton, N. J., assignor to The Agasote Millboard Co., Ewing Township, N. J., a Corporation of New Jersey. Filed Oct. 7, 1919. Serial No. 329,122. 12 Claims. (Cl. 92—61.)

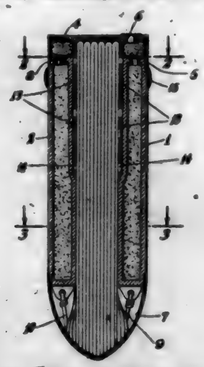


1. An apparatus of the character described, having in combination a mold bed and a mold top, one movable relatively to the other, a conveyor located between said mold top and said mold bed, said conveyor being in contact with said mold bed and movable laterally thereof, and a deckle surrounding said mold top and of such height as to always engage said mold top in all the operative relative positions of said deckle and mold top.

1,536,164. PROJECTILE. UBLYN CLIFTON TAINTON, Johannesburg, Transvaal, South Africa. Filed Oct. 30, 1917, Serial No. 199,243. Renewed Sept. 22, 1924. 4 Claims. (Cl. 102—20.)

1. A projectile comprising a plurality of explosive segments of substantially equal weight, provided with a suitable rifling band and adapted to be projected from

a gun as a unitary projectile, a member binding said segments rigidly together and containing an explosive, means ignited by the propelling charge for dislodging the binding member to permit the segments to separate from each other by centrifugal force, a flexible connector

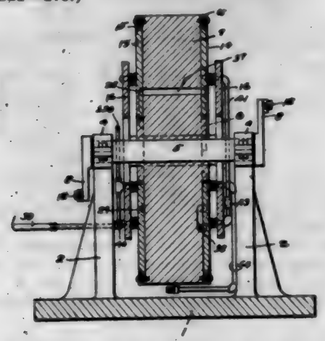


connected to the several segments and provided with anchoring means near the ends holding the segments to cause the projectile to become entangled with or anchored to a target such as an aeroplane, said segments constructed with time fuses.

1,536,165. METHOD FOR PRODUCING HYDRAULIC, PARTICULARLY CEMENTLIKE, MORTAR-FORMING AGENTS. OSCAR TEITENS, Oerlinghausen, Germany, assignor to the Firm Record Cement-Industrie G. m. b. H., Oerlinghausen, Germany. Filed Jan. 26, 1924. Serial No. 688,831. 5 Claims. (Cl. 106—25.)

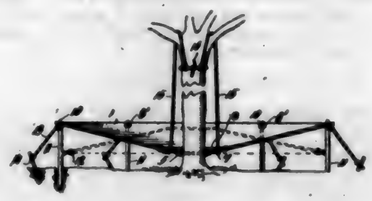
1. Process for the manufacture of hydraulic and cement-like mortar forming material, comprising mixing a calcareous material and a silicate, one of which is of a bituminous nature, burning the mixture with the recovery of oil, then slaking the lime formed and converting the shale residue into mortar-forming material with a substance imparting setting qualities to the material.

1,536,166. FLUID-PRESSURE-ENGINE STRUCTURE. JOHN B. THOMAS, Nashville, Tenn., assignor to Sam Goldberg Manufacturing Company, Nashville, Tenn. Filed May 16, 1922. Serial No. 561,388. 7 Claims. (Cl. 121—179.)



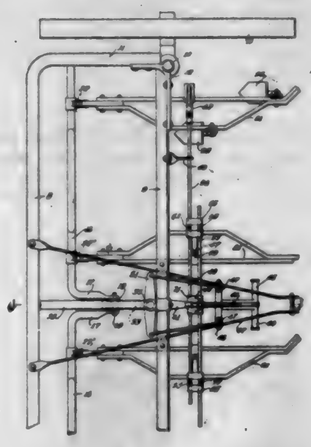
1. In an engine, the combination of a driven power-delivering wheel, engine units of the reciprocating type, crank-and-pitman connections between said wheel and said engine units, and valve plates fitting against the sides of the wheel, there being cooperating ducts in the wheel and said plates to control the flow of motor fluid to and from the engine units.

1,536,167. FRUIT GATHERER. WILLIAM G. L. TOTTEN, Buckhannon, W. Va. Filed May 13, 1921. Serial No. 469,252. 1 Claim. (Cl. 56—329.)



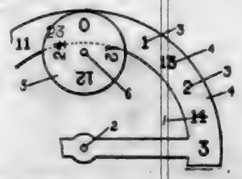
A fruit gatherer of the class described, comprising a flexible apron having an axial opening for receiving the trunk of a tree, the terminals of the apron being disposed in overlapping relation, a lower tree trunk engaging loop, the inner and outer edges of the apron each having an annular row of eyelets associated therewith, tying ropes connecting the inner row of eyelets to the lower tree trunk engaging loop, a plurality of supporting stakes having their upper ends reduced for receiving the outer row of eyelets, said reduced terminals forming shoulders upon which the eyelets are adapted to rest, means for bracing the stakes, an upper tree trunk engaging loop, and supporting ropes connecting the upper tree trunk engaging loop with said tying ropes.

1,536,168. TWO-ROW CULTIVATOR. HARRY R. TRAPHAGEN, Rockford, Ill., assignor to Emerson-Brantingham Company, Rockford, Ill., a Corporation of Illinois. Filed July 9, 1923. Serial No. 650,311. 15 Claims. (Cl. 97—155.)



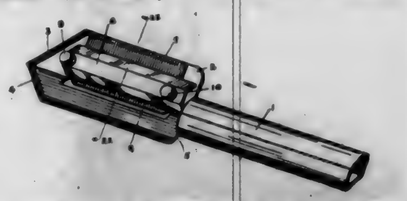
1. In a two-row cultivator, the combination of a frame supported by dirigible wheels, a pair of laterally shiftable arches connecting the wheels, a crank member connected to the arches for shifting them, two pairs of cultivator beams, means for optionally connecting together either each inner beam of one pair with the outer beam of the other pair or both beams of each pair and for relatively adjusting such connected pairs of beams laterally with respect to the frame, a pair of foot levers, and connections between each foot lever and said crank member and said beam-connecting means for simultaneously oscillating said member and shifting said means.

1,536,169. CLOCK. ANTONIO VALLI, Santa Fe, Argentina. Filed May 28, 1924. Serial No. 716,438. 11 Claims. (Cl. 58—128.)



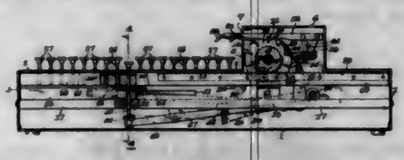
1. A device of the character described comprising a disc having a series of numbers thereon; a supplementary disc rotatably mounted having a plurality of numbers thereon adapted to cooperate with the series of numbers; a rotary control disc for said supplementary disc; and means for actuating said control disc which in turn actuates the first-named disc by means of said supplementary disc.

1,536,170. PARING KNIFE. GEORGE A. VROOMEYT, Rochester, N. Y., assignor to Christian Schlicker, Rochester, N. Y. Filed Aug. 8, 1923. Serial No. 656,422. 1 Claim. (Cl. 30—20.)



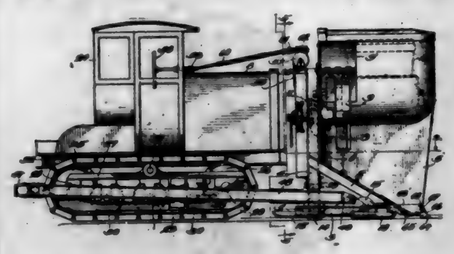
In a paring knife the combination of a hollow handle having an angularly shaped holder plate projecting from one end thereof and formed integrally therewith, said angularly shaped holder plate having a slot provided in one side thereof, a razor blade carried on top of said holder plate on the other side thereof and projecting thru the slot provided in the adjacent side, a clamping bar comprising an inverted channel located over said razor blade and means for clamping said clamping bar on top of said razor blade to yieldingly lock said razor blade in place on said holder plate.

1,536,171. COMPUTING MACHINE. THOMAS J. WAVRUNEK, Shawano, Wis. Filed Sept. 18, 1920. Serial No. 411,256. 7 Claims. (Cl. 235—60.)



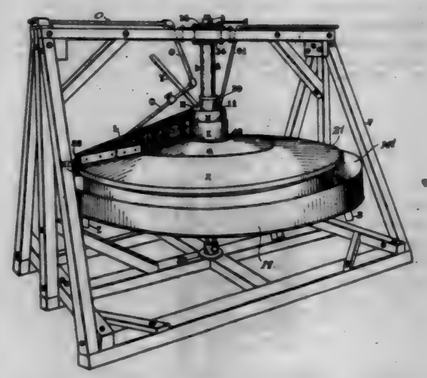
1. In a computing machine the combination of a series of number wheels, longitudinally and independently movable parallel key bars each provided with a series of independently depressible keys and with a fixed projection, a fixed stop arranged to engage depressed keys and arrest the movement of the bars in one direction, a manually operated transverse shifting bar adapted by engagement with depressed keys to carry them with their bars in one direction against said stop and by engagement with said fixed projections to return the bars to their normal positions, and means for converting longitudinal movements of the key bars in one direction into corresponding rotary movements of the associated number wheels.

1,536,172. ROAD PLOW. ARTHUR B. WEBB, Watertown, Wis., assignor to Monarch Tractors, Incorporated, Watertown, Wis., a Corporation of Delaware. Filed Dec. 8, 1924. Serial No. 753,710. 9 Claims. (Cl. 37—43.)



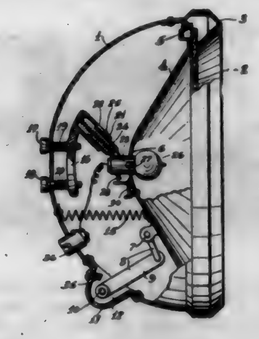
1. A road plow including a main shovel; rollers at the sides of the shovel and another between the sides of the plow, these rollers being in supporting relation to the shovel; runners upon the sides of the shovel downwardly through which the first aforesaid rollers project; and supplemental shovels ahead of and tracking with said runners and the rollers projecting therethrough and adjustable to shift their cutting edges downwardly and below the cutting edge of the main shovel.

1,536,173. CONCENTRATING MACHINE. EDWARD J. WEBB, Chisholm, Minn. Filed Mar. 27, 1924. Serial No. 702,321. 11 Claims. (Cl. 83—87.)



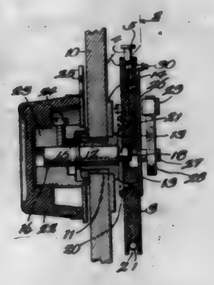
1. In an ore concentrating machine, the combination with a suitable support, of a bearing mounted upon said support a rotatable shaft erected in said bearing, a circular inverted dish-shaped table keyed to said shaft and adapted to rotate therewith, a stationary sleeve depending from an overhead portion of said support and encircling the upper end of said shaft, a vertically adjustable sleeve encircling said stationary sleeve, an inverted dish-shaped distributor head-board mounted on said adjustable sleeve and adapted to extend partly over said table, a reservoir positioned on the upper face of said distributor head-board and encircling said adjustable sleeve, said reservoir being divided by a vertical division wall into compartments for pulp and water respectively, a baffle plate extending from said reservoir and over said distributor head-board over said table, said reservoir compartments having discharge ports formed in the lower edges of their outer walls adapted to discharge upon said distributor head-board, and a vertically adjustable gate encircling said reservoir for controlling said discharge ports.

1,536,174. MOTOR LAMP. ARTHUR CHARLES WOOD, Mansfield, Ohio. Filed Sept. 2, 1921. Serial No. 497,861. 13 Claims. (Cl. 240—41.)



1. A method of controlling the light rays of a reflector lamp, consisting in changing the focal relation of the light source and reflector while changing the direction of the light rays, then fixing the focal relation of the light source and reflector to prevent further change in such focal relation during further change in the direction of the light rays.

1,536,175. RHEOSTAT. ERNEST E. YARLEY, Chicago, Ill., assignor of one-half to Yarley Manufacturing Company, Chicago, Ill., a Corporation of Illinois, and one-half to Carter Radio Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 16, 1922. Serial No. 594,710. 2 Claims. (Cl. 201—55.)

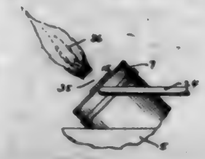


1. In a rheostat, the combination with a resistance; of a contact engaging the resistance, said contact and resistance being relatively movable to change the included resistance; and a stop for engaging the contact at the connected end of the resistance and overhanging a portion thereof to prevent total exclusion of the resistance from circuit.

1,536,176. METHOD OF PREVENTING THE CRUSTY FORMATION OF SOLIDIFIED OXIDES. CHARLES H. ALDRICH, Keene, N. H., assignor to Paul J. Kruesi, trustee, Chattanooga, Tenn. Filed Dec. 5, 1921. Serial No. 520,000. 7 Claims. (Cl. 23—148.)

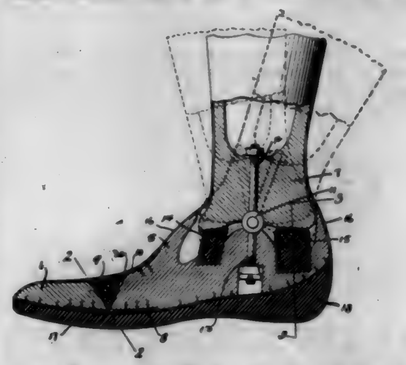
1. A method of preventing the crusty formation of solidified oxides at or in the delivery mouth of a volatilizing retort, which consists in surrounding the issuing jet of metallic vapor with a relatively thin envelop of flowing inert gas.

5. A method of temporarily preventing the contact of oxygen with a flowing jet of volatilized metal in its traverse of a gap between the mouth of a volatilising



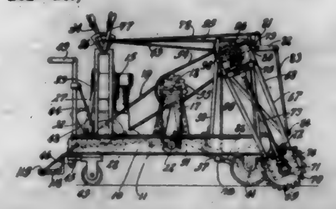
furnace and an oxidizing chamber, which consists in interposing a barrier of flowing inert oxygen-excluding gas between the atmospheric air and the gas.

1,536,177. ARTIFICIAL FOOT. JAMES BECK, Buffalo, and CHARLES E. STEELE, Olean, N. Y. Filed June 12, 1922. Serial No. 567,862. 2 Claims. (Cl. 3—7.)



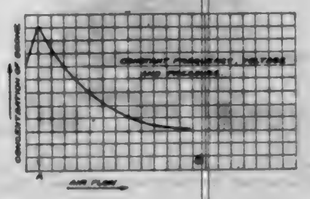
1. An artificial foot comprising a body part, an ankle part pivotally secured to the body part, resilient means disposed between the body part and the ankle part and arranged on each side of the pivotal connection of the ankle part, a rigid toe part flexibly secured to the body part, resilient means disposed between the toe part and the body part, a leather sheath inclosing the body, toe, and ankle parts, and a combined rubber sole and heel secured to the body part and on top of the leather sheath.

1,536,178. ASPHALT-PAVEMENT-CUTTING MACHINE. WILLIAM J. HACKETT, Jamestown, N. Y. Filed Oct. 20, 1920. Serial No. 418,169. 6 Claims. (Cl. 262—20.)



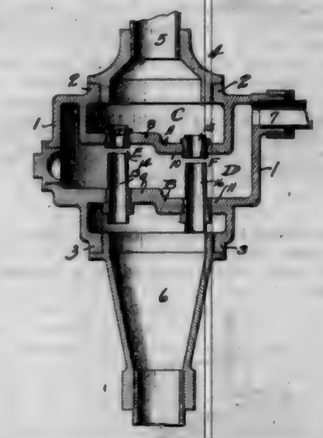
1. In a machine for cutting asphalt pavements, traction elements for propelling the machine over said pavements, inclined cutters operating upon the pavement, separate frames for said cutters pivotally mounted on said machine laterally beyond said traction elements, means for raising said frames independently, a prime mover mounted upon said machine, a drive shaft rotated by said prime mover in a predetermined direction and gearing connecting said drive shaft with said traction elements and said cutters.

1,536,179. MEANS FOR GENERATING OZONE. FRANK E. HARTMAN, Scottdale, Pa., assignor to Electric Water Steriliser and Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1923. Serial No. 616,825. 3 Claims. (Cl. 204—82.)



1. An improvement in the art of producing gaseous ozone which consists in supplying air under pressure substantially in excess of one atmosphere to the ozone generating unit.

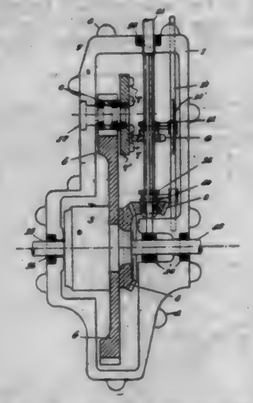
1,536,180. EDUCTOR. HARRY BUXTON HARTMAN and FRANK EDWARD HARTMAN, Scottdale, Pa., assignors to Electric Water Steriliser & Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Dec. 27, 1922. Serial No. 609,349. 4 Claims. (Cl. 230—13.)



1. An eductor for mixing a liquid and a gas including a casing having a stepped bottom wall and a stepped partition wall forming within the casing a liquid chamber and a gas chamber, a delivery member carried by the casing, and nozzle units respectively carried by correspondingly stepped portions of the bottom and partition walls and arranged in spaced registering relation.

1,536,181. CHANGEABLE-SPEED-GEAR TRANSMISSION. ANDRÉ IDE, Antwerp, Belgium. Filed May 23, 1924. Serial No. 715,424. 2 Claims. (Cl. 74—75.)

1. A changeable speed gear transmission for motor-cars and the like, comprising a casing, in which are mounted the ends of the rear wheel-axle shafts, a differential gear box housed within said casing and mounted on the ends of said wheel-axle shafts, a spur-gear wheel integral with said box, a bevel gear-wheel made integral with said spur-gear-wheel, a drive-shaft of angular cross section journaled within said casing, a journal of circular cross section at the end of said shaft located within the casing, a bevel pinion loosely mounted on said journal and meshing with the bevel-gear wheel made integral with the spur gear wheel, a suitable friction clutch slidably mounted on the drive-shaft and serving to connect said loose bevel pinion with said drive-shaft, a suitable shifter for said clutch, a spur pinion rotatably mounted on a stud shaft secured to the casing and meshing with said spur gear wheel, a power transmission disc fixed with relation to said spur pinion and



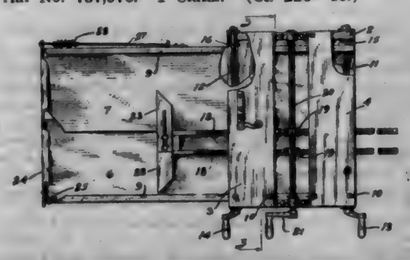
carrying a series of concentric gear wheels on its free face, a spur-pinion slidable on said drive shaft and capable of meshing with any one of said concentric gear wheels or with neither of them, a suitable shifter for moving said spur-pinion along the drive-shaft, substantially as set forth.

1,536,182. FLOOR BOARD. JAMES MADISON JACKSON, Parkersburg, W. Va. Filed Nov. 20, 1924. Serial No. 751,116. 5 Claims. (Cl. 296—1.)



1. A binding strip for automobile floor boards comprising an inverted U-shaped channel member having a wall adapted to be fixed to an edge of the floor board, the other wall having less height than the fixed wall, the upper edge of the fixed wall having an extension bent to form a cover for the channel member and a felt strip in the channel member saturated with oil.

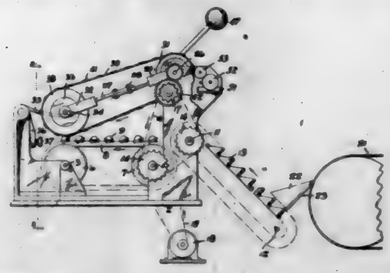
1,536,183. UPHOLSTERING MACHINE. GEORGE N. ABBEY, Boulder, Colo., assignor of one-half to M. F. Moreland, Denver, Colo. Filed Sept. 16, 1924. Serial No. 737,976. 1 Claim. (Cl. 226—46.)



In an upholstering machine, in combination, a frame, a supporting member comprising two parts, each of which has a bottom portion and a side portion, the bottom portions being overlapping, the side portions hav-

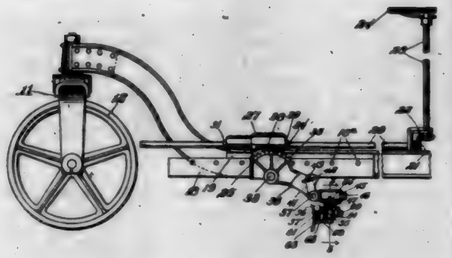
ing their upper edges bent towards each other so as to form overhanging flanges, one of said parts having one end secured to said frame, means for moving said parts towards and away from each other, a plunger slidably connected to said frame, means for reciprocating said plunger, and a top for said supporting member, said top consisting of two separate plates adapted to overlap each other, one edge of each of said plates being adapted to project under said overhanging flanges.

1,536,184. MARKING MACHINE. FRANK AHLBURG, Los Angeles, Calif., assignor to Electric Fruit Marking Co., Los Angeles, Calif., a Corporation of California. Filed Nov. 14, 1921. Serial No. 514,958. 9 Claims. (Cl. 101—37.)



1. In a marking machine, a conveyor for the articles to be marked, a flexible belt gravitally engaging said articles, flexible dies on said belt, a pulley of resilient material for supporting said belt while engaged with said articles, and means for moving the belt in time with the conveyor.

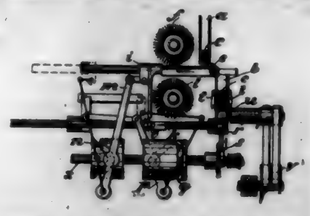
1,536,185. TRACTOR PLANER. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Aug. 5, 1924. Serial No. 730,273. 29 Claims. (Cl. 37—155.)



1. The combination with a supporting vehicle having an operator's station and including a longitudinally extending frame, of a ground-working tool carrier including a member mounted on the frame for longitudinal adjustment therealong and pivoted for movement, means for shifting the carrier around its pivot including a coacting gear element, and a fixed actuating means therefor located at the operating station, the gear element being shiftable with the carrier and being at all times in operative engagement with the actuating means.

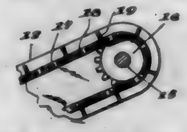
1,536,186. MACHINE FOR CLEANSING MATRICES. JEAN BAPTISTE ARNOLD, Milan, Italy. Filed Dec. 27, 1923. Serial No. 682,807. 3 Claims. (Cl. 15—77.)

2. In a machine for cleaning matrices, a plurality of brushes for cleaning the faces of said matrices, a storage channel formed in said machine, means to store the matrices in said channel after being cleaned



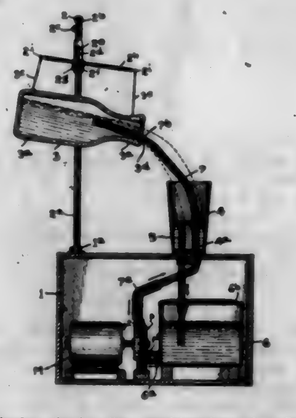
by said brushes, and means for cleaning the edges of said matrices as they are being stored in said channel.

1,536,187. BEET ELEVATOR. PORTER C. BAKER and JOHN H. GIBSON, Morrill, Nebr. Filed May 17, 1921. Serial No. 470,230. 1 Claim. (Cl. 198—195.)



A conveyor belt comprising a pair of parallel chains each including links, transverse rods extending between and connected to the centers of the inner vertical faces of certain alternate links of the chains, and angle bars extending between and secured to the centers of the inner vertical faces of the other alternate opposite links of the chains, one wing of each of the angle bars extending longitudinally and centrally of the links, the other wing of each angle bar extending at an angle outwardly from between the said opposite links.

1,536,188. CONTINUOUSLY-FLOWING DISPLAY DEVICE. EARL A. BROWN, Washington, D. C. Filed Jan. 5, 1925. Serial No. 731. 3 Claims. (Cl. 40—126.)
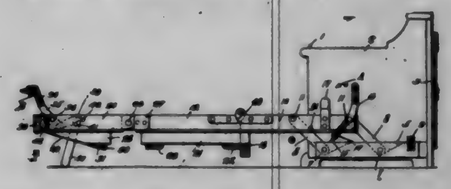


1. In a display device the combination of a fluid containing vessel in dispensing position, a fluid receiving vessel, a tube passing through said fluid receiving vessel upward into the fluid containing vessel, means for forcing fluid through said tube into the fluid containing vessel, said tube being bent so as to conform to the trajectory of liquid flowing from the fluid containing vessel and being completely hidden therein, and the said tube having a flattened portion at the point where it enters the mouth of the fluid containing vessel.

1,536,189. COMBINATION JEWELRY. JOSEPH COHMAN, New York, N. Y. Filed July 17, 1922. Serial No. 575,495. 5 Claims. (Cl. 63—29.)



1. In a jewelry device, in combination, a split ring having a plurality of recesses therein, slidable means the movement of which will space the ends of the ring and maintain them in fixed position with respect to each other, a plate, a plurality of extensions carried by the plate and inserted within the ring recesses, and means engaging the extensions within the recesses.

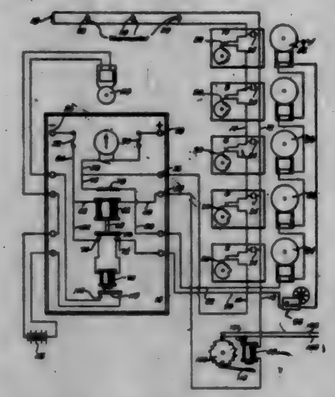
1,536,190. FOLDING BED. MADISON H. CONRAD, Lexington, N. C. Filed Aug. 12, 1921. Serial No. 491,742. 3 Claims. (Cl. 5—46.)



2. A bed comprising a main frame; a bed frame including an inner member, an outer member, and an intermediate member located between the inner and outer members and hinged thereto, the intermediate member being carried and supported by the inner and outer members, a foot piece pivoted to the outer member; a prop pivoted to the outer member; means for connecting the prop operatively with the foot piece; a head piece pivoted to the inner member; and radius arms pivoted to the main frame and to the inner member, the inner member being movable into retracted position on the radius arms, the intermediate member being foldable to lie above the inner member, and the outer member being foldable into a position approximately at right angles to the intermediate member, the head piece being foldable to lie between the inner and intermediate members, and the foot piece being foldable into a depending position behind the outer member, the main frame constituting a support for the outer member, the main frame, the outer member and the intermediate members cooperating to form a couch.

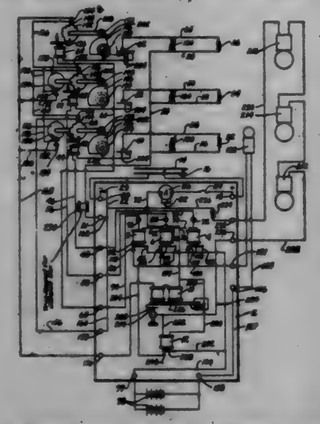
3. A bed comprising a main frame including sides and a back; a bed frame including an inner member; radius arms pivoted to the main frame and to the inner member and constituting means whereby the inner member may be moved rearwardly; a cross bar depending from the inner member and adapted to be received between the sides of the main frame when the inner member is retracted, and to be located adjacent to the forward edges of the sides, the cross bar being so constructed as to occupy the space below the forward edge of the inner member and to give a finished appearance to the bed when the inner member is moved rearwardly; an intermediate member hinged to the inner member and adapted to be folded backwardly to overlie the inner member; a cleat carried by the intermediate member adjacent to the outer end thereof; an outer member hinged to the intermediate member and adapted to be disposed in upstanding relation to the intermediate member when the intermediate member is folded backwardly and rearwardly; and a cleat carried by the outer member, the cleats coacting to define an angle between the outer and intermediate members when the outer member is disposed in upstanding relation to the intermediate member.

1,536,191. ELECTRIC-SIGNAL WIRING SYSTEM. JOHN H. DERBY, New York, N. Y., and JOSEPH E. BOWDEN, Newark, N. J., assignors to American Fire Prevention Bureau, New York, N. Y., a Corporation of New York. Filed June 3, 1919. Serial No. 301,512. 8 Claims. (Cl. 177—369.)



3. In an electric signaling system, a local signal including electromagnetic operating means, a local code transmitter box having normally closed contacts, a normally closed local circuit including said transmitter and said operating means, a central station circuit, a central station code transmitter comprising contacts in said central station circuit and also comprising means for releasing said transmitter including an electromagnet in said local circuit, and means including a portion of said local circuit for operatively energizing said magnet from said local circuit transmitter.

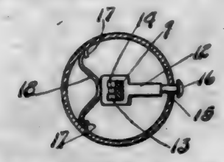
1,536,192. SELF-SUPERVISED ELECTRIC SYSTEM. JOHN H. DERBY, New York, N. Y., assignor to American Fire Prevention Bureau, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1921. Serial No. 451,689. 7 Claims. (Cl. 177—358.)



1. In a self-supervised electric signaling system comprising a control board, make-and-break code signal transmitters, a normally closed circuit in which said transmitters are arranged in series, said circuit being closed through the make-and-break contacts of said transmitters, a relay in the transmitter circuit, a normally closed branch circuit associated with each transmitter and having therein means for actuating the transmitter, a re-

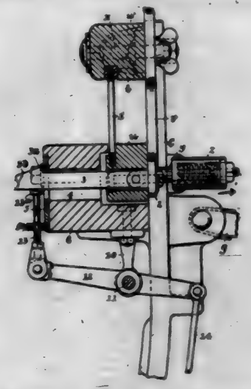
sistance maintaining the normal current in said branch circuit below operating level for said actuating means, each of said aforementioned circuits having upon the control board a relay operable upon a break in the circuit to transmit a trouble alarm, means for short circuiting the resistance in any one of said branch circuits to effect the actuation of the associated transmitter, a normally open trouble circuit controlled by said relays and having therein a continuously operable signal, and a single stroke signal and a circuit therefor controlled from the relay in said transmitter circuit.

1,536,193. CUFF BUTTON. ROY E. DRUSCHER, Bay City, Mich. Filed Nov. 5, 1923. Serial No. 672,780. 4 Claims. (Cl. 24—110.)



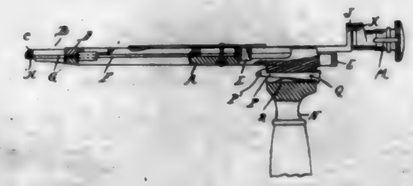
1. A locking cuff button comprising two individual members, each formed with a base and head portion, a locking member slidably mounted in the head of one of the members and provided with an opening therein, a stud on the opposite members adapted to be introduced into said opening, a beveled tongue on the locking member for positively engaging said stud, and resilient means for holding said locking member in locked position.

1,536,194. TERRY LOOM. WILLIAM DOHERTY and CHESTER MACARTHUR, Paterson, N. J. Filed Feb. 17, 1923. Serial No. 619,585. 1 Claim. (Cl. 139—27.)



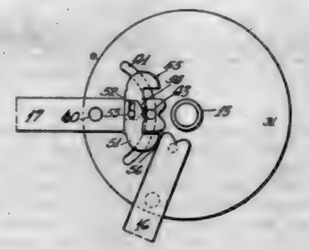
A loom including a frame, a reciprocating batten-including structure, a reed-structure backwardly yieldable in the first structure, a gravity depressed latch movable upwardly in said first structure into latching engagement with and thereupon adapted to hold the reed-structure against backward yielding, an up-and-down-movable lever fulcrumed in the batten-including structure between its ends and having at one end means to engage and elevate the latch, a lever fulcrumed in the frame below the first structure, a rod connecting the latter lever with the other end of the first-named lever, the second-named lever being normally depressed and thereby acting through the rod and the other lever to elevate the latch, a pattern-controlled mechanism arranged in the frame above the second lever and including means to exert a pull at intervals and an elastic extensible pull-transmitting connection connecting said means and the second lever and adapted to lift the latter.

1,536,195. SURGICAL INSTRUMENT. LEON A. DOUGLAS, Windsor, Ontario, Canada. Filed Feb. 28, 1921. Serial No. 448,532. 6 Claims. (Cl. 128—309.)



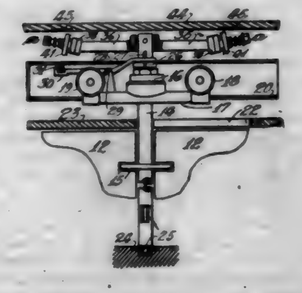
3. A surgical instrument having a member with a wedge-shaped lug depending therefrom, a removable handle having sliding engagement with said lug, and pivoted spring influence means for retaining said handle in position upon the lug.

1,536,196. REVOLVING DOOR. HARRY W. DYER, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,501. 13 Claims. (Cl. 20—18.)



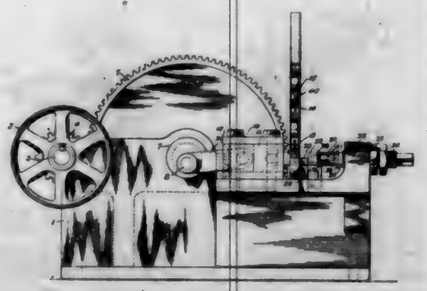
3. In a revolving door of the class described, the combination of a centre shaft supporting a revolvable hinge plate, a door leaf pivoted at a fixed point to said hinge plate, means for automatically locking said leaf to said hinge plate and means on each side of said leaf for releasing said lock.

1,536,197. SPEED GOVERNOR FOR REVOLVING DOORS. HARRY W. DYER, New York, N. Y. Filed May 5, 1924. Serial No. 711,284. 6 Claims. (Cl. 20—18.)



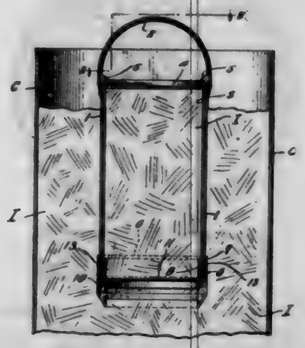
3. A braking device for a revolving door, revolving in a fixed frame, comprising an arm secured to and revolving with said door, a friction wheel on said arm and centrifugal means for bringing said friction wheel into engagement with said frame when said door exceeds a predetermined speed.

1,536,198. LOCK-NUT-PINCHING MACHINE. I. C. EMERY, Baltimore, Md., assignor to Chapman Self Locking Nut Company, Baltimore, Md., trustees of Common Law Estate. Filed Jan. 30, 1923. Serial No. 615,904. 15 Claims. (Cl. 10—72.)



2. In a machine for compressing portions of slotted nuts, the combination of means capable of movement in horizontal and vertical directions adapted to receive pressure from said nuts; and means to compress said nuts against said first named means.

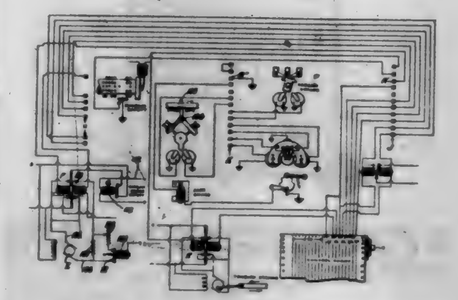
1,536,199. ICE-CREAM-DISHING DEVICE. RAY DILCE EMMONS, Ashland, Ohio. Filed May 15, 1924. Serial No. 713,577. 2 Claims. (Cl. 226—19.)



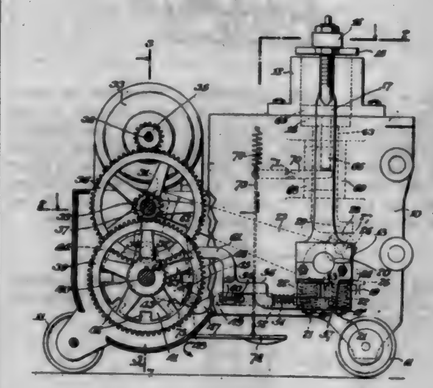
1. In an ice cream dishing device, the combination of an open ended cylinder having a bail handle affixed at diametrically opposite points on the cylinder, said bail having inwardly extending projections to limit the movement of a carton in the cylinder, whereby to permit the facilitation of the ejection of the filled carton.

1,536,200. PATTERN-CONTROL MECHANISM FOR KNITTING MACHINES. WILLIAM FELS, Elberta, Ala., assignor to Max Nydegger, Elizabeth, N. J. Original application filed July 8, 1920, Serial No. 394,678. Divided and this application filed Sept. 3, 1921. Serial No. 498,310. 10 Claims. (Cl. 66—28.)

1. In a knitting machine, the combination of stitch forming means, means for moving the stitch size and relative position determining portions of said stitch forming means, and electrically actuated means for selectively operating said moving means for the stitch size and relative position determining means, including magnets operatively arranged in relation to said moving means and in circuit with a plurality of contacts and a common contact, circuit breaking means movable between said plurality of contacts and the common contact and means cooperating with said circuit breaking means for closing said circuits in predetermined sequence.



1,536,201. PRESS. BERNARD M. FINE, Philadelphia, Pa. Filed Mar. 2, 1923. Serial No. 622,269. 38 Claims. (Cl. 25—83.)

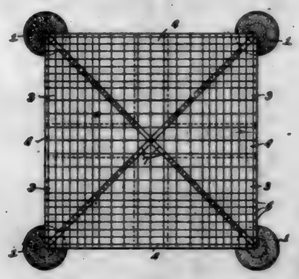


1. A press of the kind described comprising a mold chamber adapted to receive the material to be pressed, means for exerting a pressure upon the material in said mold chamber, driving mechanism for actuating said means, means for opening and closing the mold chamber, and means for automatically disconnecting said driving mechanism when the mold chamber is opened.

1,536,202. CONCRETE CONSTRUCTION. CHARLES B. FOSTER, Indianapolis, Ind. Filed Sept. 25, 1920. Serial No. 412,723. 10 Claims. (Cl. 72—15.)

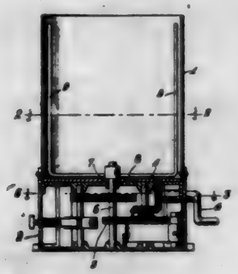
1. In a concrete construction, a column, a slab integral therewith, and having a collar at the junction of said

column and slab, said collar tapering downwardly and inwardly toward the column to form a reinforcement for



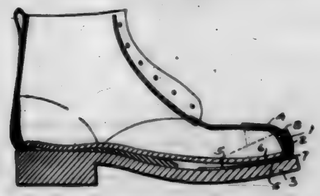
the junction, said slab tapering laterally from the column so as to have a decreasing thickness in all directions from the column.

1,536,203. PAINT MIXER. NIEMAN A. FRYDENLUND, Sun Prairie, Wis. Filed Jan. 14, 1924. Serial No. 686,211. 1 Claim. (Cl. 91—57.)



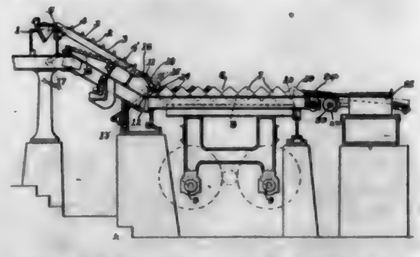
In a paint mixing apparatus, a receptacle in which paint to be mixed is placed, a casing secured on the bottom of the receptacle and providing a rest therefor, a motor in the casing, a shaft operated thereby extending through a packing box into the receptacle, a spider on said shaft, and upwardly directed angularly arranged arms on the ends of the spider disposed close to but out of contact with the inner wall of the receptacle.

1,536,204. SHOE-CAP PROTECTOR. JOSEPH GAWRONSKI, Seattle, Wash. Filed Feb. 14, 1923. Serial No. 619,001. 1 Claim. (Cl. 36—77.)



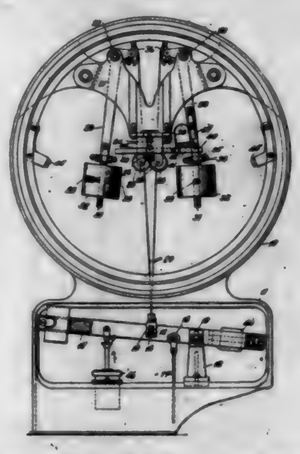
A shoe cap protector comprising a strip of leather adapted to be bent in front of, under and around the sides of a shoe toe and secured thereto, the upper edge of said protector, as thus bent, being shorter in length than the central part thereof, whereby the bending of the protector to pass the same under the shoe toe places the upper edge of the protector under tension, thus causing said protector to be held in contact with the shoe toe and preventing the same from sagging in front thereof.

1,536,205. METHOD OF AND APPARATUS FOR COOLING AND ANNEALING METAL BARS. JEROME R. GEORGE, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Apr. 8, 1920. Serial No. 372,218. 45 Claims. (Cl. 80—42.)



1. The improvement in the art of handling hot metal bars, which consists in moving the bars, individually, across a cooling bed, whereby to obtain a preliminary cooling, and then assembling said bars in stacked formation, in piles or packs for further cooling.

1,536,206. PENDULUM SCALE. WILLIAM NATHAN GILBERT, Dayton, Ohio, assignor to International Scale Company, Dayton, Ohio, a Corporation of Illinois. Filed July 13, 1920. Serial No. 395,900. 13 Claims. (Cl. 265—62.)

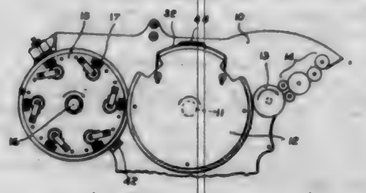


1. In a weighing scale, in combination, a pivotal indicator, an arbor therefor, a pinion carried thereby, a pendulum load counterbalancing means, means for displacing the pivotal indicator in accordance with the displacement of the pendulum load counterbalancing means, said means comprising a spring coupled to the pendulum means, and a horizontally-extending rack coupled to said spring and engaging the aforesaid pinion, said spring serving as a shock-absorber when sudden loads are applied to the scale.

1,536,207. PRINTING MACHINE. WILLIAM R. GORDON, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 27, 1922. Serial No. 603,584. 4 Claims. (Cl. 101—38.)

1. The combination, with an offset printing-machine comprising a continuously rotary transfer-cylinder and an intermittently rotary carrier with a series of freely-

rotatable work-spindles thereon adapted to cooperate successively with the transfer-cylinder, of a gear mounted on each spindle; a segmental rack carried by the transfer-cylinder in position to cooperate with the gear on the



spindle which is in operative relation with the cylinder; a spring for reversely rotating the spindle after the passage of the rack; and a stop for limiting the spring-produced return-rotation of the spindle.

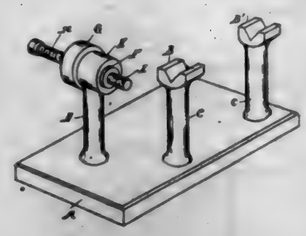
1,536,208. EXPANSIBLE BORING TOOL. AMOS GOSPER, Camperdown, near Sydney, New South Wales, Australia, assignor to George Hugh Foster, Marrickville, near Sydney, New South Wales, Australia. Filed Jan. 14, 1925. Serial No. 2,450. 2 Claims. (Cl. 145—124.)



1. An expansible boring tool comprising, a casing, an upper and a lower ball-bearing in said casing, a spindle longitudinally movable in said ball-bearings, a slotway formed in said spindle, a tongue pivoted at its lower end in said slotway, an outwardly inclined member at the upper end of said tongue, and projecting exteriorly of said slotway, a thrust collar fast on said spindle, a coil spring around said spindle seated between said thrust collar and the lower ball-bearing, a tool-holder at the lower end of said tongue and a cutting tool in said tool holder, the inclined projecting member on said tongue being adapted to contact with the lower ball-bearing when a hole of uniform width of required depth has been bored and thus de-align said cutting tool to undercut the hole and complete the boring operation.

1,536,209. TRUING DEVICE FOR GRINDER WHEELS. JOHN D. GREEN, Ypsilanti, Mich., assignor of one-half to William E. Maurer, Ypsilanti, Mich. Filed Oct. 10, 1921. Serial No. 506,937. 1 Claim. Cl. 125—11.)

A truing device for dental grinder wheels comprising a base, a pair of standards rigging from said base, aligned V-shaped bearings at the upper ends of said standards for receiving the hand tool of a dental engine and exactly positioning the axis of the spindle thereof, a third standard rising from said base laterally off-set with respect to the axis of said spindle, a bearing at the upper end of



said third standard having its axis perpendicular to the axis of said spindle, a sleeve inside the third bearing, an abrasive stick adjustably engaging said sleeve and an adjusting screw for said stick.

1,536,210. CUFF HOLDER. ROBERT CRAIG GREENE, Washington, D. C. Filed June 29, 1922. Serial No. 571,684. 5 Claims. (Cl. 24—102.)



1. The combination with apparel portions to be connected, of companion snap fastener parts secured to said portions, respectively, and a chain having at one end a snap fastener member adapted to engage one of said parts and at the opposite end a companion snap fastener member adapted to engage the other of said parts.

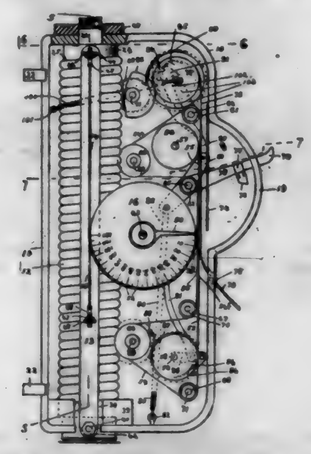
1,536,211. ADJUSTABLE SLING FOR HANDLE GRIPS. OSCAR T. GREGORY, Chicago, Ill., assignor of one-half to Albert Pettit, Pittsburgh, Pa. Filed Jan. 25, 1923. Serial No. 614,764. 3 Claims. (Cl. 273—81.)



1. An attachment for handle grips comprising a sling, in combination with a clamp having a plurality of transversely disposed slots formed therein and having another slot inclined with respect to said transverse slots, said

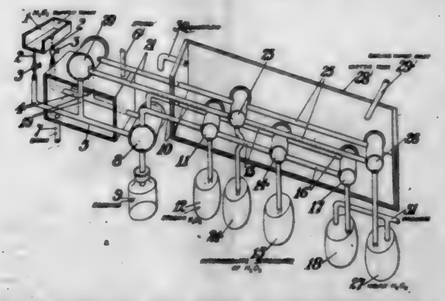
sling having a part laced through said transverse slots for retaining said clamp in fixed position on the handle and extending out through said inclined slot to form a loop adapted to be disposed longitudinally of the handle, and a prong on said clamp projecting into said inclined slot for engagement with said sling.

1,536,212. WEIGHING SCALE. JOHN K. GUNN and CHARLES A. SCHMIDT, Utica, N. Y. Filed June 6, 1923. Serial No. 643,673. 12 Claims. (Cl. 265—8.)



1. In a scale the combination of a casing, a movable weighting member, a guide bar arranged parallel thereto and to move therewith, a wheel revolubly mounted in said casing, flexible inelastic bands extending from the opposite ends of said bar to the same side of said wheel at its periphery and thence part way about the periphery of said wheel in opposite directions whereby the periphery of said wheel is rotated to an extent equalling the movement of said weighting member and weight indicating characters on said wheel adjacent its periphery.

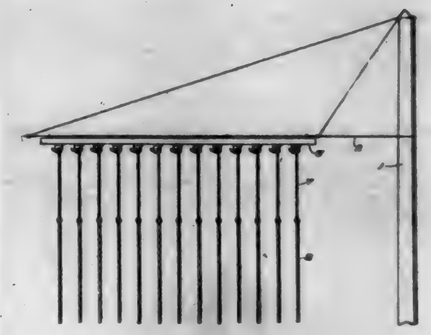
1,536,213. PROCESS AND APPARATUS FOR MANUFACTURING HYDROGEN PEROXIDE. ARTHUR LUDWICK HALVORSEN, Perth Amboy, N. J., assignor to Roessler & Hasslacher Chemical Company, Perth Amboy, N. J., a Corporation of New York. Filed July 9, 1921. Serial No. 483,424. 10 Claims. (Cl. 23—207.)



1. The method of distilling a solution containing a hydrogen peroxide which consists in vaporizing and condensing the solution in passages lined with tin.

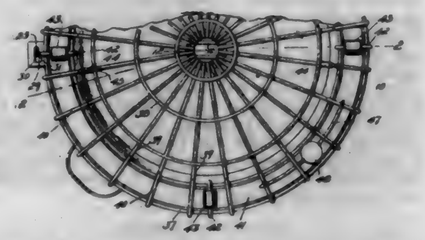
10. The method which comprises distilling a hydrogen peroxide solution in such manner as to simultaneously obtain separately usable condensates having varying percentages of hydrogen peroxide, said process being conducted in vessels lined with a material having a stabilizing effect upon the hydrogen peroxide capable of enabling certain of said condensates to be obtained richer in hydrogen peroxide than the original.

1,536,214. HOLDER FOR RAILROAD-BRIDGE WARNINGS. BENJAMIN J. HASTINGS, Taunton, Mass., assignor to Hastings Signal & Equipment Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 6, 1924. Serial No. 736,303. 2 Claims. (Cl. 246—486.)



1. A holder for a bridge warning hanger having a body formed with a slot to receive the eye of a hanger, a latch lever pivoted to said body and having one arm which normally extends crosswise of said slot, said latch being movable on its pivot to swing said arm up out of the slot to admit the eye of the hanger therein and a spring which is put under tension by turning the latch arm upward and which pulls the said latch arm back through the eye when the upward pressure is released and holds said latch lever transversely of the slot to support the hanger.

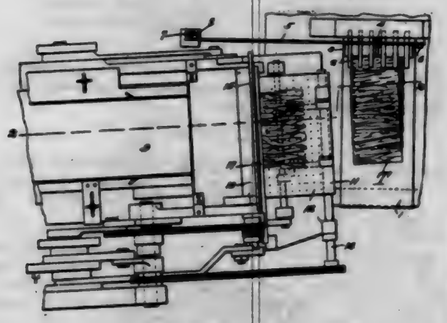
1,536,215. WASHING APPARATUS. WILLIAM H. HENDRICKS, New Haven, Conn. Filed July 27, 1921. Serial No. 487,967. 1 Claim. (Cl. 141—9.)



In a washing apparatus, a pan having a horizontal rim adjacent its top, a wire basket in the pan having a top portion which overhangs the pan rim and which includes spaced inner and outer rings, horizontal crossrods extending across the space between said rings and

engaged by the latter, and anti-friction rollers rotatable on the central portions of the cross-rods and having their axial movement restricted by engagement of the roller ends with the respective rings.

1,536,216. METHOD OF AND APPARATUS FOR FEEDING TOBACCO TO CIGAR MACHINES. ALBERT A. HEYMAN, Baltimore, Md., assignor to The Universal Cigar Machinery Co., Inc., Baltimore, Md. Filed Aug. 9, 1922. Serial No. 580,671. 12 Claims. (Cl. 131—39.)



1. The herein described step in the method of forming cigar bunches which consists in arranging in a stack, flat superposed layers of uniform area, each consisting of a plurality of leaves said layers being stepped longitudinally and transversely relative to each other.

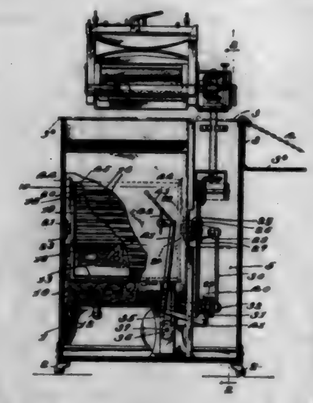
1,536,217. TRACTOR DRAFT RIGGING. ARTHUR O. HIGINBOTHAM, Worcester, Mass., assignor to The G. F. H. Corporation, Denver, Colo., a Corporation of Massachusetts. Filed Jan. 13, 1921. Serial No. 436,983. 5 Claims. (Cl. 280—33.44.)



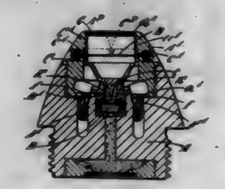
1. The combination with a tractor draft member, of an attached socket member to receive the pole of the drawn implement, trailer or other vehicle, said socket member being pivotally connected to said draft member for movement in a vertical plane and being constrained to move with said draft member in a horizontal plane, the said socket member being also free to turn about the longitudinal axis of said pole.

1,536,218. LAUNDRY APPARATUS. LINDSAY R. HURST, Louisville, Ky. Filed July 21, 1920. Serial No. 397,907. 3 Claims. (Cl. 68—21.)

1. Laundry apparatus including a housing, a washing machine within said housing comprising a water receptacle, a clothes container, a saddle mounted for swinging action within said receptacle, said saddle supporting said clothes container, spring clips carried by said saddle for fastening the container thereto and simultaneously binding the cover to said container, a gear set for swinging said saddle and clothes container, and motive power connections for actuating said gear set.



1,536,219. SHELL FUSE. FREDERICK GEOFFREY LEES JOHNSON, Westminster, London, England, assignor to Vickers Limited, London, England, a British Company. Filed Nov. 7, 1924. Serial No. 748,383. 9 Claims. (Cl. 102—39.)

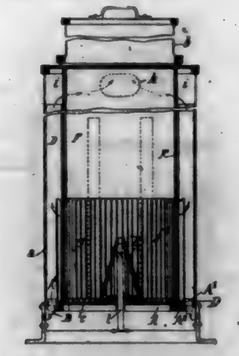


1. In a shell fuse of the sensitive percussion type, the combination with the firing needle carrier, the detonator, the centrifugal retaining device and the inertia member normally holding said device in the retaining position, of a light shearing wire passing through the holes in the needle carrier of larger size than the wires so that said wire normally lies out of contact with the front ends of said holes.

1,536,220. STOVE FOR BURNING SAWDUST AND LIKE RESIDUES. JULES JOUCLARD, Versailles, France. Filed Apr. 25, 1923. Serial No. 634,516. 3 Claims. (Cl. 110—7.)

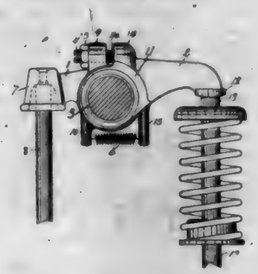
1. A stove for burning sawdust and like residues, comprising a cylindrical main body, a horizontal grate disposed at the lower part thereof, vertical grates surrounding the cylindrical central portion forming the furnace, a cylindrical partition extending from the top of the cylindrical main body to the top of the said vertical grates and providing for the continuous downward feed of the fuel, an annular space between the said vertical grates and the external cylindrical main body form-

ing a collector for the burnt gas, an inclined grate disposed upon the said horizontal grate in order to augment the surface of the burning fuel, and means for circulat-



ing cold air from the bottom of the stove to the top of the inclined grate thereby supplying air for combustion and cooling the inclined grate.

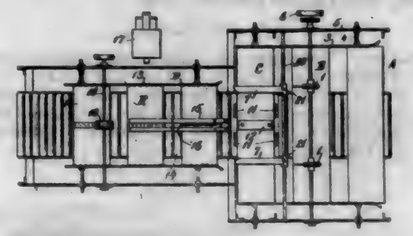
1,536,221. VALVE ROCKER ARM. VICTOR H. KELLEY, Madison, Wis. Filed Nov. 15, 1924. Serial No. 750,222. 1 Claim. (Cl. 123—90.)



In a divided rocker arm, for valve in the head motors, the push rod end annular at its inner end and adapted to be a drive fit upon a bronze sleeve, a threaded boss upon its upper surface, with an adjusting screw threaded to the boss and carrying a jamb nut, the valve stem end also annular at its inner end and provided with a boss in longitudinal alignment with the threaded boss and adapted to engage the adjusting screw when the valve is being pushed downward, depending members upon both portions of the rocker below the pivotal center and connected by a tension spring, whereby the assembled rocker arm is always in contact with the push rod and valve stem, in combination with a bronze sleeve rigidly secured in one member and upon which the other member oscillates.

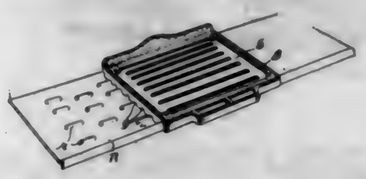
1,536,222. CARTON-MAKING MACHINE. WALLACE D. KIMBALL and ARTHUR E. RIDEOUT, New York, N. Y., assignors to Standard Sealing Equipment Corporation, New York, N. Y., a Corporation of New York. Filed July 7, 1922. Serial No. 573,259. 9 Claims. (Cl. 93—49.)

1. Apparatus of the class described comprising means for scoring the material to be folded, a member for fixing the fold line in the material along the scored portion, means for positively folding over accurately along said line the entire portion to be folded, whereby a straight



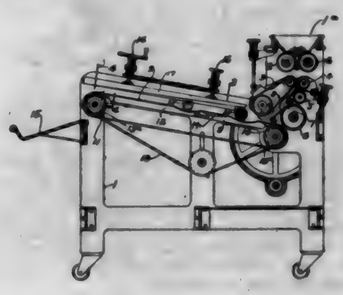
line at a predetermined position within the scored portion is obtained, and guides for directing the movement subsequent of the folded portion.

1,536,223. ATTACHMENT FOR AUTOMOBILE RUNNING BOARDS. CHARLES W. KOEHLER, Cleveland, Ohio. Filed Dec. 20, 1923. Serial No. 681,885. 2 Claims. (Cl. 280—169.)



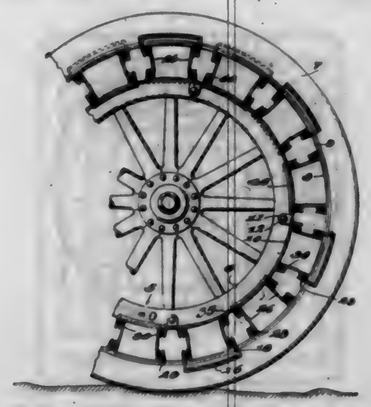
1. An attachment for running boards of the character described, comprising a mat having a set of longitudinal parallel channels in its lower face to accommodate raised portions of the running board, an open frame taking over the edges of the mat to retain the same upon the board, and said frame being provided with notches alined with said channels to receive certain of raised portions on the running board as and for the purpose set forth.

1,536,224. PROCESS OF TREATING DOUGH. FRANK X. LAUTERBUR and EDWARD J. LAUTERBUR, Sidney, Ohio. Filed Jan. 15, 1923. Serial No. 612,671. 6 Claims. (Cl. 107—54.)



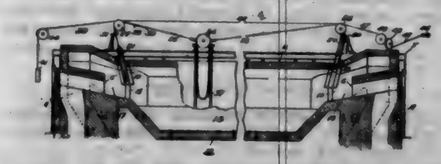
1. A mechanical process for treating a mass of dough to form a loaf or roll shape, which consists substantially in mechanically rolling the mass, and simultaneously applying an intermittent undulatory pressure, this pressure being first directed mainly at the center of the mass and its effective area gradually extended at both sides from the center until the entire mass is subjected thereto, for the purpose described.

1,536,225. TIRE. FRIED APOLUS LEA, Ponca City, Okla. Filed Oct. 4, 1923. Serial No. 666,556. 2 Claims. (Cl. 152—29.)



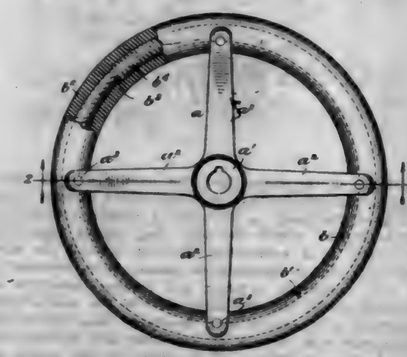
1. In a vehicle wheel, the combination with an outer annular rim member and an inner annular rim member, of a plurality of spacing spring members disposed between said annular rim members, and holding them in spaced concentric relation, each of said spring members being endless and being formed to provide parallel pairs of parallel contact arms, respectively disposed flatly against the inner periphery of the outer annular rim member and against the outer periphery of the inner rim member, an outer substantially U-shaped securing member having the arms thereof merged into the outer contact arms at the outer ends of the latter, the arms of the securing member extending substantially at right angles to the outer contact arms and the outer securing member engaging a lateral wall of the outer rim member, a pair of elongated sustaining members, each extending obliquely between opposite ends of corresponding inner and outer contact arms, convolutions merging the sustaining members at their outer ends into the inner ends of the outer contact arms, other convolutions merging the inner ends of the sustaining members into the outer ends of the inner contact arms, a substantially U-shaped inner securing member, and bend members merging the inner ends of the inner contact arms into the arms of the inner securing member, said bends being adapted to embrace a lateral edge portion of the inner rim member and said inner U-shaped securing member being adapted to rest flatwise against the inner periphery of the inner rim member.

1,536,226. DEVICE FOR OPERATING OPEN-HEARTH-FURNACE DAMPERS. CHARLES E. LEHR, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Oct. 21, 1922. Serial No. 596,020. 10 Claims. (Cl. 262—15.)



1. Mechanism of the class described including in combination, a reversible furnace having a combustion chamber and a conduit at each end for the passage of incoming fuel or outgoing products of combustion, a device associated with each conduit for decreasing its gas carrying capacity when used as an inlet conduit for fuel and increasing its gas carrying capacity when used as an outlet conduit for products of combustion, and means connecting said devices for simultaneous operation, said means permiting adjustment of one of said devices without adjustment of the other.

1,536,227. STEERING WHEEL. AUGUST H. LEIPERT, New York, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 8, 1923. Serial No. 679,287. 4 Claims. (Cl. 74—33.)



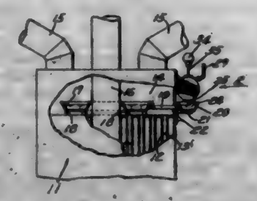
1. In a rim for steering wheels, an annular flexible core formed of a length of helically wound metallic hose and a mass of vulcanized rubber in which said core is embedded.

1,536,228. BALE TIE. JOHN W. LESLIE, Evanston, Ill., assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed Mar. 18, 1922. Serial No. 543,155. 2 Claims. (Cl. 24—27.)



2. The combination with a package, of a tie wire encircling said package, one end of said wire having a loop formed with abrupt angle bends therein, and a loop on the other end of said wire interengaging with said first loop, said second loop being formed by passing the end of said wire through said first mentioned loop and then twisting said wire back upon itself, the abrupt angle bends in said first loop indicating by their angle the tension of said tie wire.

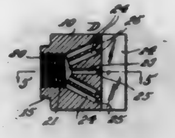
1,536,229. HUMIDIFYING ATTACHMENT FOR FURNACES. JESSE A. MARTIN, Los Angeles, Calif. Filed Oct. 13, 1924. Serial No. 743,257. 10 Claims. (Cl. 126—113.)



1. In a humidifying attachment for a furnace provided with an inner evaporation receptacle having an external extension, the combination of: a water supply pipe ter-

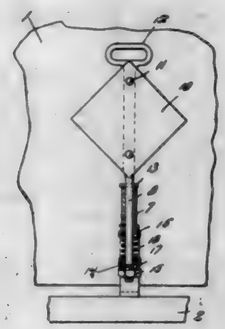
minating in proximity to said furnace; and a uniform level device connected with said pipe and comprising a replenishing fountain pivotally supported and provided with means for automatically moving the same to a filling position when substantially empty.

1,536,230. NOZZLE FOR SMOKE ABATORS. THOMAS W. MCCUE, Akron, Ohio. Filed Oct. 6, 1923. Serial No. 667,064. 1 Claim. (Cl. 299—121.)



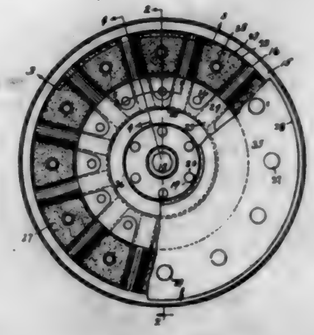
A nozzle of the class described having a body comprising a comparatively large main cavity leading from one side of the body, a plurality of smaller cylindrical cavities entirely within the body and leading from the main cavity in a separating direction toward the discharge side, and a plurality of minute bores concentric with said cylindrical cavities, and leading therefrom a short distance to the discharge side of the nozzle and terminating in a row at such discharge side, and a lip overhanging such minute passageways and having the flat under face inclined at an angle to the plane of such discharge passageways, the plane of such lip face joining the discharge face of the nozzle adjacent the upper edge of the passageways.

1,536,231. PLACARD HOLDER AND SUPPORT THEREFOR. LEO MCFADDEN, Bristow, Okla. Filed Apr. 25, 1924. Serial No. 708,966. 2 Claims. (Cl. 40—125.)



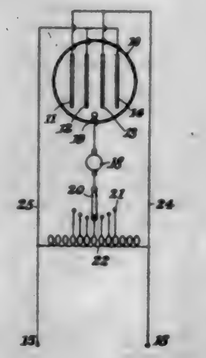
1. A device of the class described comprising a supporting bracket, a sleeve carried by said bracket, the upper edge of said sleeve having notches provided therein at diametrically opposite points, an elongated rod extending longitudinally through said sleeve, a placard holder supported on the upper portion of said rod, a handle on the upper end of the rod, a transversely extending pin carried by the upper portion of the rod below the placard holder and adapted to seat in said notches, and means associated with the rod for preventing the accidental displacement of the pin from said notches.

1,536,232. AUTOMOBILE WHEEL. LINDSAY MCKEE and CHARLES A. ROACH, Portland, Oreg. Filed Mar. 31, 1924. Serial No. 703,044. 5 Claims. (Cl. 152—28.)



1. An artillery wheel having the inner ends of its spokes cut away outside of the diameter of the hub flanges in combination with a spoke-holding ring separated from the hub of said wheel; a plurality of rubber blocks filling the opening between said spokes; a pair of disks on opposite sides of said wheel; and means for attaching said disks to said rubber blocks and to the wheel hub.

1,536,233. BALANCING MEANS FOR ELECTROLYTIC APPARATUS. RALPH D. MERSHON, New York, N. Y. Filed Oct. 4, 1919. Serial No. 328,467. 5 Claims. (Cl. 175—315.)

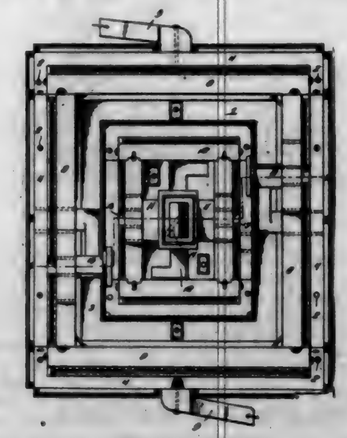


2. In combination, an electrolytic condenser having leads for connection with an external circuit, a balance coil connected across said leads, a source of unidirectional current having a terminal connected with the condenser electrolyte, and means for connecting another terminal of said source to any of a plurality of points on the balance coil.

1,536,234. BABY-CHICK FEEDER. BROWN W. MILLER, Pittsburgh, Pa. Filed Dec. 1, 1924. Serial No. 753,216. 3 Claims. (Cl. 119—51.)

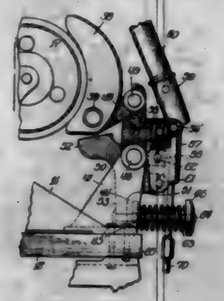
3. A chick feeder comprising upper and lower spaced floors, the upper floor being open at its center, feeding troughs located upon the floors, a deck located in the opening of the second floor, a partition disposed across the deck, runways leading from the first floor through

the deck at the opposite sides of the partition, the second floor having passageways communicating with the deck at the opposite sides of the said partition and



runways leading from the exterior of the feeder over the first floor and having their inner ends disposed upon the intermediate portion of the lower floor.

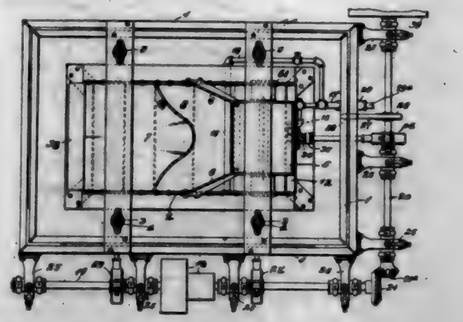
1,536,235. IRONING MACHINE. RALPH J. MILLER, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed Mar. 3, 1923. Serial No. 622,466. 5 Claims. (Cl. 68—9.)



1. In an ironing machine, the combination of, a frame, an ironing roll journaled at both ends in and lengthwise of said frame, a shoe behind and co-operating with said roll, a single rigid link pivotally supported at its lower end on said frame and pivotally jointed at its upper end to and mid-length of the back of said shoe, spring actuated means for pressing said shoe into contact with said roll, and a hand lever connected to said link and extending above said roll and shoe for swinging said link rearwardly and thereby drawing said shoe away from said roll.

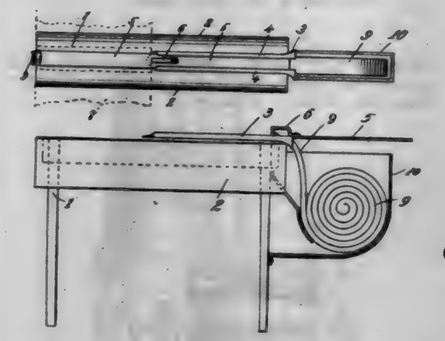
1,536,236. CONCENTRATOR AND FLOTATION SEPARATOR. WILLIAM ROY MORRIS, Boise, Idaho, assignor, by mesne assignments, to Mineral Development Company, Boise, Idaho, a Corporation of Idaho. Filed Feb. 28, 1922. Serial No. 538,723. 13 Claims. (Cl. 83—88.)

1. A method of separating or classifying particles of different characteristics from a mass of finely divided material which consists in charging a container with said material mixed with a quantity of liquid sufficient to provide for suspension of the particles therein and imparting vibratory movements to said container by



forces acting substantially horizontally at right angles to each other, so that one end of said container may have a greater amplitude of movement at one of its ends than at its other end.

1,536,237. UPHOLSTERING MACHINE. TRUMAN G. PADDACK, Wyoming, Ohio, assignor to The Stearns and Foster Company, Lockland, Ohio, a Corporation of Ohio. Filed Oct. 10, 1923. Serial No. 669,626. 5 Claims. (Cl. 226—44.)



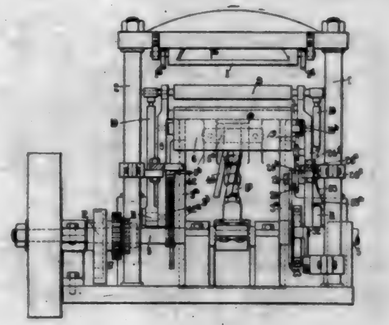
1. In a device of the character specified, a fixedly held funnel open at both ends for the reception and delivery of the material for packing the pockets of upholstery goods, said funnel having at least one longitudinal section, slidable on the fixedly held portion to enter the pocket with the packing material and to be withdrawn therefrom separately.

5. A machine for stuffing upholstery which comprises a funnel shaped to receive an upholstery pocket, said funnel having a separate longitudinal section held against lateral displacement but slidable upon the funnel, said slidable section being provided with a handle.

1,536,238. PRINTING MACHINE. HERBERT HARDING PARMENTER, London, England. Filed Oct. 14, 1924. Serial No. 743,617. 3 Claims. (Cl. 101—295.)

1. In a printing machine, a frame, a platen supported thereby, a bed, a crank shaft mounted in the frame and connected to the bed for moving the bed vertically of the frame toward and away from the platen, frame

plates movable with the bed, inking rollers mounted for pivotal movement on the frame plates, a disc mounted on the crank shaft, and means operated in the move-

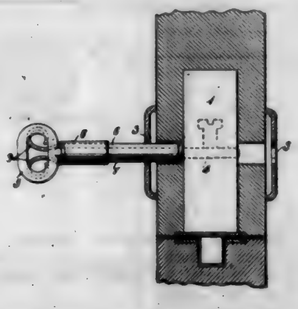


ment of said disc for moving the inking rollers across the bed during the movements of the bed relative to the platen.

1,536,239. FLUXING MATERIAL. THOMAS H. REICHARD, Tarentum, Pa., assignor of one-third to John Tasick, Tarentum, Pa. Filed Sept. 21, 1921. Serial No. 502,122. 5 Claims. (Cl. 148—27.)

1. A process of producing a hardening product which consists in melting copper, in adding thereto a hardening product produced from furnace slag, in mixing with the said materials a quantity of aluminum, and in burning the aluminum in the mixed mass.

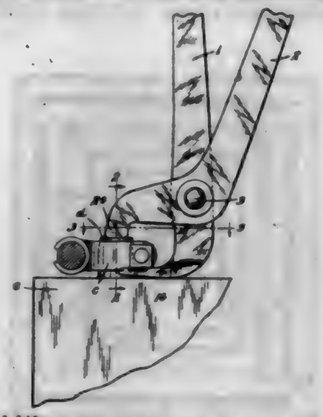
1,536,240. KEY LOCK. EDVARD SODERQUIST, Newhalem Camp, Rockport, Wash. Filed Jan. 20, 1923. Serial No. 613,914. 4 Claims. (Cl. 70—65.)



1. A locking device of the character described, comprising a housing adapted to surround the shank of a key, a locking element slidably supported by said housing and movable relative thereto, said locking element when in an offset position being adapted to prevent a turning movement of a key, but when forced inwardly, permitting said key to be turned.

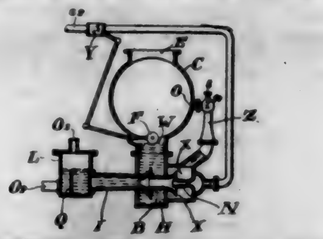
1,536,241. STORAGE-BATTERY-LUG REMOVER. WALTER SROKA, Minneapolis, Minn., assignor of one-half to James P. Williamson, Minneapolis, Minn. Filed July 22, 1921. Serial No. 486,877. 8 Claims. (Cl. 29—34.)

1. A storage battery lug removing implement comprising a pair of pliers, one having a bifurcated head disposed in a plane at right angles to its handle portion and the other having a flat ended head centrally alined



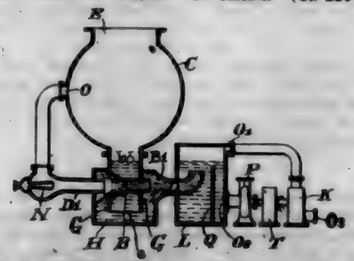
with said bifurcation and adapted to swing in a plane substantially normal to said bifurcated head.

1,536,242. AUXILIARY APPARATUS FOR CONDENSERS. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,513. 37 Claims. (Cl. 230—13.)



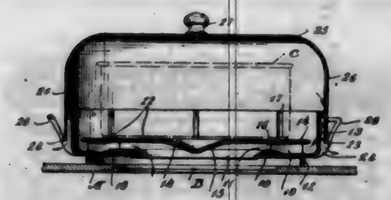
1. The combination with a receptacle for liquid, of an ejector submerged in the liquid in said receptacle and comprising nozzle structure for removing the liquid from said receptacle, a second ejector delivering motive fluid to said nozzle structure, and nozzle structure delivering motive fluid to said first named nozzle structure.

1,536,243. AUXILIARY APPARATUS FOR CONDENSERS. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,514. 29 Claims. (Cl. 230—13.)



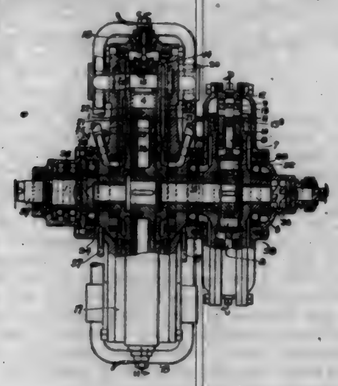
1. In combination with a receptacle containing liquid, wall structure disposed in said receptacle and the liquid therein, a combining tube extending through said wall structure and submerged in said liquid, and nozzle structure delivering motive fluid to said combining tube.

1,536,244. COOKING UTENSIL. LEON SUSSMAN, Bayonne, N. J. Filed Aug. 23, 1923. Serial No. 658,851. 9 Claims. (Cl. 126—275.)



1. A device of the class described, comprising an outer member having a bottom plate with a central opening and an annular flange projecting downwardly from said plate and adapted for contact with the top of a stove or the like, and an upward flange at the outer periphery of said bottom plate, an inner member having a bottom plate spaced from that of the outer member and formed with a deflector projecting toward the opening in the bottom plate of the outer member, the upper surface of the bottom plate of said member having lugs adapted to support a cooking pot or the like out of close contact with said inner member, and a cover having a top and a depending peripheral flange supported on the outer member and surrounding the flange thereof for the downward passage of hot gases.

1,536,245. ROTARY PISTON ENGINE. OSCAR A. THELIN, Horten, Norway. Filed Sept. 2, 1920. Serial No. 407,788. 11 Claims. (Cl. 123—43.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



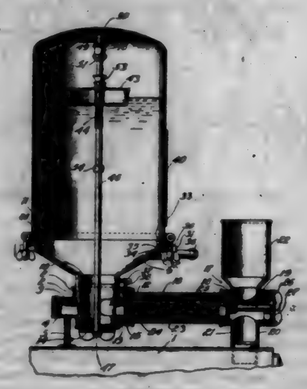
5. In an engine, the combination of a rotor having an even number of not less than four equidistant blocks which sweep an annular space and which blocks divide said space into working chambers, another rotor having pistons projecting into said working chambers, one piston between each two successive blocks, said rotors being adapted to revolve around a common axis, shafts rigidly secured to said rotors, not less than two sets of mechanisms, each set consisting of connecting rod, crank and pinion, which sets of mechanisms interconnect said shafts, a stationary gear engaging said pinions, said mechanisms and gear causing said pistons of the one rotor to oscillate between said blocks of the other rotor when the engine is in operation, the cross section of said annular space having a curved surface, and U-shaped springs to provide for tightness between the rubbing surfaces of said working chambers and said pistons due to tension of said springs and due to centrifugal forces acting on said springs when the engine is in operation.

1,536,246. ASSEMBLY FOR CURLING IRONS. LE ROY TRONC, Chicago, Ill., assignor to Maggie May Slaughter, Chicago, Ill. Filed Mar. 7, 1924. Serial No. 697,513. 4 Claims. (Cl. 219—24.)



1. A curling iron comprising a heated member, a heating element therein, a movable jaw, a handle, and means for connecting said heating element with a source of electrical energy and contained in said handle, said connecting means comprising a threaded stem adapted to be attached by rotative movement to said heating element at the center thereof to provide one connection therewith, and a bridge member detachably secured to the periphery of said heating element to provide a second connection therewith and to prevent accidental rotative movement between said heating element and said connectig means.

1,536,247. ICE-CREAM FREEZERS. THEODORE L. VALERIUS, Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 9, 1921. Serial No. 513,992. 4 Claims. (Cl. 221—116.)

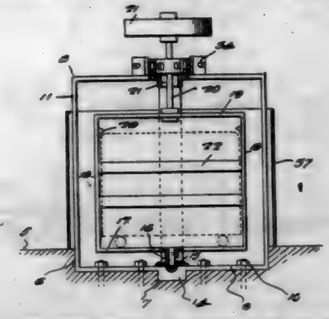


1. In a device of the class described, the combination of a valve casing, a tubular valve removably mounted therein and extending through said casing, a receptacle attached to one end of said tubular valve, and a closure removably secured to the other end of said valve, said closure being adapted to pass through said casing with said valve in the removal of the latter.

1,536,248. CENTRIFUGAL EXTRACTOR. EARL W. WAGNER, Butte, Mont. Filed May 20, 1924. Serial No. 714,681. 3 Claims. (Cl. 210—63.)

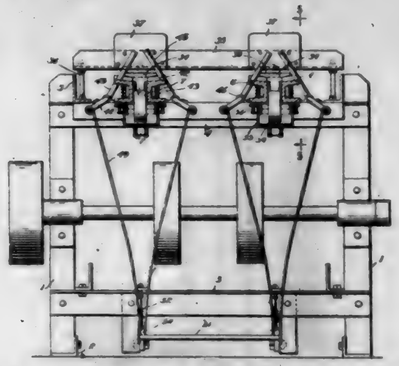
1. In a centrifugal drier of the character described, a vertically positioned rigid frame anchored at one end to a base, a second frame disposed within said rigid frame for rapid rotation, said second frame including

a material basket supporting platform, means upon one side of said second frame for limiting the movement of the material basket in one direction, means at the other



side of said second frame for securing the basket upon the platform, and means whereby said second frame may be rapidly rotated.

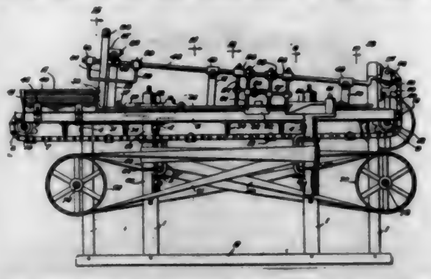
1,536,249. FEEDING MECHANISM FOR STAVE-JOINTING MACHINES. AXEL M. WALSTROM, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 17, 1924, Serial No. 699,620. Divided and this application filed Feb. 14, 1925. Serial No. 9,085. 4 Claims. (Cl. 144—245.)



1. In apparatus of the class described having a carrier comprising pivotally connected pairs of spaced links, the combination of a stave abutting element secured to said links and projecting upwardly from the surface of said carrier, an oversize extra link positioned forwardly of said element and having oversize apertures receiving an adjacent pair of pivot connections in said carrier for the loose support of said extra link, said extra link normally extending below said carrier and having upper projections normally retracted below the upper surface of said carrier, and a cam adapted to engage the lower portion of said extra link and raise said upper projections above the surface of said carrier.

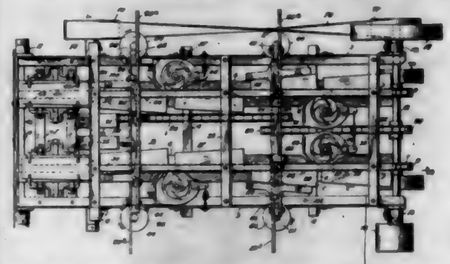
1,536,250. MACHINE FOR MAKING TUBS AND THE LIKE. AXEL M. WALSTROM, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1923. Serial No. 666,280. 25 Claims. (Cl. 147—25.)

1. Apparatus of the class described comprising, in combination, conveying means adapted to receive and forward a succession of staves of variable width, means for shifting the staves on said conveying means to a predetermined position for cutting one lateral edge, means for reversely shifting the staves into position for cutting the opposite lateral edge in variable angular relation to the first lateral edge proportionate to the width of



the respective staves, releasable means for securing said staves in the respective positions on said conveying means, and means for cutting the edges of the respectively positioned staves.

1,536,251. MACHINE FOR MAKING TUBS AND THE LIKE. AXEL M. WALSTROM, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 17, 1924. Serial No. 699,620. 13 Claims. (Cl. 147—25.)



1. In apparatus of the class described, a carrier for moving a regularly spaced series of staves, a pair of oppositely reciprocatory bars positioned transversely of the path of said staves, operating connections between said carrier and said bars causing a cycle of movements of said bars coincidently with the passage of each stave, a stave positioning member supported on one of said bars, and another stave positioning member supported on the other of said bars, said members being positioned on opposite sides of the path of said staves and adapted to simultaneously engage the lateral edges of said staves, one of said members having a fixed support on its said bar and thereby operable to move a passing stave to a predetermined lateral position, and the other of said members being supported for resisted longitudinal movement along its said bar.

1,536,252. FEEDING MECHANISM FOR STAVE-JOINTING MACHINES. AXEL M. WALSTROM, Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 3, 1923, Serial No. 666,280. Divided and this application filed Sept. 22, 1924. Serial No. 739,079. 5 Claims. (Cl. 144—242.)

1. In apparatus of the class described, the combination of an endless travelling carrier, a magazine positioned over said carrier adapted to receive a stack of staves, a plurality of spaced projecting elements mounted on said carrier, each of said elements having a forward shoulder adapted to engage and remove successively the

undermost stave from said magazine and propel the same on said carrier, each of said elements also having a rearward shoulder forming an abutment for the forward end of the next succeeding stave, a member pivotally mounted adjacent each of said elements normally in recession



rearwardly of the forward shoulder of its associated element and operable forwardly to engage and lock the stave positioned therebefore in abutment with the rearward shoulder of the preceding element, and means for successively operating said members into stave engaging position.

1,536,253. PREMATURELY-CURED PLASTIC MATERIAL AND PROCESS OF MAKING SAME. HARRY M. WEBER, Montclair, N. J., assignor to Ellis-Foster Company, Montclair, N. J., a Corporation of New Jersey. Filed Apr. 8, 1924. Serial No. 705,124. 4 Claims. (Cl. 18—55.)

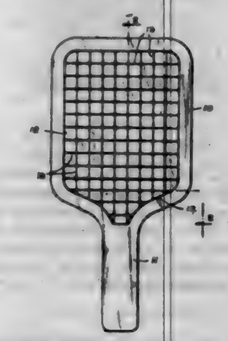
1. The process of making a plastic article capable of setting in a hot mold which comprises advancing the reaction in preparing the resin to make material which in the powdered form under heat and pressure is prematurely-cured prior to coalescence and pre-shaping such prematurely-curing material in the cold to form an article roughly resembling the desired finished product and then hot pressing such pre-shaped article.

1,536,254. WATER-REPELLENT TEXTILE MATERIAL AND METHOD OF PRODUCING THE SAME. CLARENCE B. WHITE, Montclair, N. J., assignor to Fred S. Bennett, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 605,984. 8 Claims. (Cl. 91—68.)

1. Water-repellant textile material impregnated with a fatty acid compound of a rare earth metal.

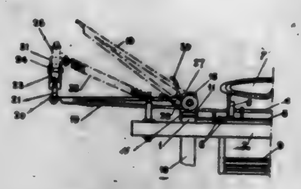
5. A process of rendering textile material water-repellant, comprising impregnating the material with a fatty acid compound of a rare earth metal.

1,536,255. RACKET. FRANK PERR BEAL, New York, N. Y. Filed Oct. 23, 1922. Serial No. 596,459. 2 Claims. (Cl. 273—761.)



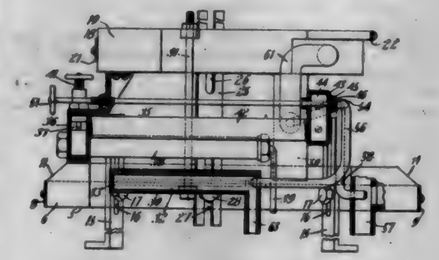
1. A solid racket having a batting portion and an integral handle portion, the batting portion being provided with a marginal scored line and series of crossed scored lines bounded by the marginal scored line, said scored line being cut into the surface of the racket.

1,536,256. GYMNASTIC APPARATUS. VERALDO CALZETTI, Parma, Italy. Filed Apr. 9, 1924. Serial No. 705,390. 1 Claim. (Cl. 272—72.)



A gymnastic apparatus comprising in combination a frame with longitudinal and transverse girders, longitudinal guides for a rolling seat, pivotally adjustable frames on the longitudinal girders of said frame, standards pivotally mounted on the outer sides of said frames, levers pivotally connected to said standards orthogonally to the rotation-axis of said standards, spring connections between a point of said levers and a point of the main-frame.

1,536,257. HEATING APPARATUS. GEORGE E. CUSTER, Providence, R. I. Filed June 1, 1923. Serial No. 642,782. 6 Claims. (Cl. 158—62.)

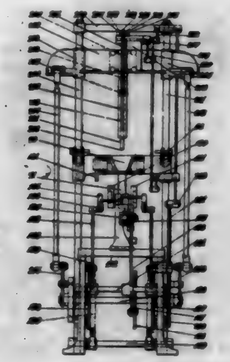


6. A heating apparatus comprising, in combination, a main burner embodying therein a pair of oppositely disposed semi-annular members, each of said members having a sloping outer wall provided with a plurality of flame openings therein, a plurality of legs adjustably secured to said main burner, a plurality of supports adjustably mounted upon said main burner, an auxiliary burner adjustably mounted upon said supports and embodying therein a pair of oppositely disposed semi-annular members, each of said members having a plurality of flame openings therein, a generator burner adjustably depending from said auxiliary burner, a generator mounted upon said auxiliary burner and heated by said generator burner, means to conduct gas from said generator to each of said burners, valves to control the amount of said gas delivered to said burners and means to supply air to each of said burners.

1,536,258. MACHINE FOR MAKING AND FILLING PACKETS. ALBERT DAY, London, England. Filed Jan. 18, 1923. Serial No. 613,448. 17 Claims. (Cl. 93—2.)

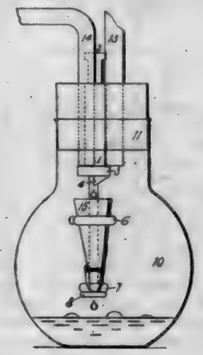
1. A machine for the purposes set forth, comprising in combination a stationary charging funnel having a vertical hollow stem, consecutively acting folding devices

to complete a bag on said stem, means for filling said bag in the position in which it is made, the last folding device having alternate horizontal and vertical move-



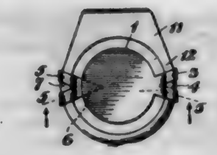
ments, and a mould vertically slotted to give passage to said folding device, said mould being always vertically under said stem throughout the action of the machine.

1,536,259. FRAME, TO MAKE POSSIBLE IN THE SAME APPARATUS SOLVENT RECOVERY BY DISTILLATION, AFTER EXTRACTION OF A SUBSTANCE HAS BEEN MADE BY THAT SOLVENT. SIDNEY AUGUSTUS DE LACY, Acton, England. Filed May 17, 1923. Serial No. 639,578. 5 Claims. (Cl. 23—272.)



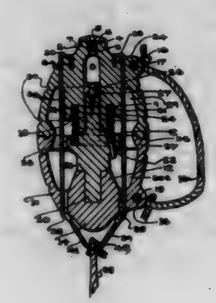
1. A frame comprising a circular body having near its upper end means provided for the reception of a key by which the frame is operated and at its lower end a platform with a drip member attached to its under surface separate from an upright connecting to that surface a support to hold a container of a substance to be extracted so that the apex of the drip member lies over the upper end of the container.

1,536,260. TAG FOR FINGER RINGS. JULIUS DINHOFER, New York, N. Y. Filed Feb. 12, 1925. Serial No. 8,647. 7 Claims. (Cl. 40—21.)



2. An article of the class described having a pair of enlargements adapted to be secured together and lie within the shank of a finger ring, said enlargements being connected by an integral strip which forms a loop over the finger ring shank, and another strip forming a continuation of one of said enlargements, said strip extending over the shank of the ring and having its end secured between the enlargements.

1,536,261. TOY HAND GRENADE. KENNETH R. EAMES, Worcester, Mass. Filed Apr. 15, 1921. Serial No. 461,650. 10 Claims. (Cl. 46—46.)

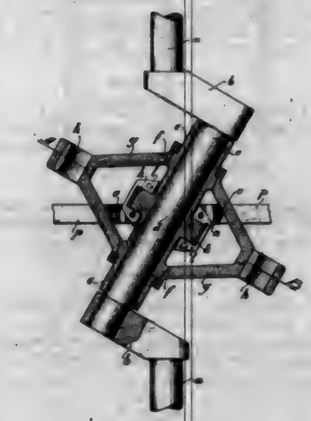


1. A device as described consisting of a pair of similarly sized and shaped rubber members, one of said members having an internal air cylinder, a piston and rod carried by the other member and working in said air cylinder, said air cylinder having a vent port, said members being formed with spring sockets, a coiled spring projecting into both sockets, means for holding said members into contact so as to compress said spring, and a trigger for releasing said spring and causing said members to be forcibly separated.

1,536,262. PISTON ENGINE. HERMAN CONRAAD OLIVIER, The Hague, Netherlands. Filed May 28, 1921. Serial No. 473,440. 1 Claim. (Cl. 74—14.)

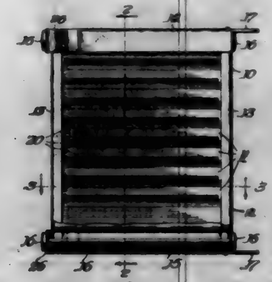
A device of the class described, including in combination a frame, a shaft adapted to gyrate about a fixed point, a sleeve mounted for rotation on said shaft, a

wobbler secured to said sleeve and provided with slots for the passage of said frame, axially aligned trunnions extending laterally from said sleeve, and a gimbal piece



within said wobbler, pivotally secured to said frame and having recesses to receive said trunnions.

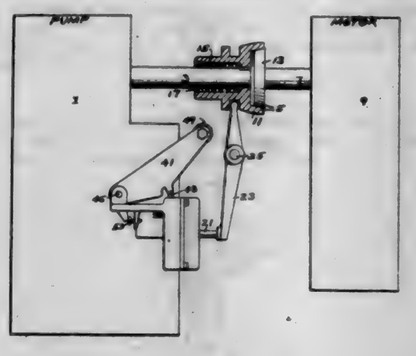
1,536,263. CARD RACK. STANLEY ORZECHOWSKI, De Kalb, Ill., assignor to Kohler Die and Specialty Co., De Kalb, Ill., a Corporation of Illinois. Filed May 18, 1922. Serial No. 561,557. 15 Claims. (Cl. 40—124.)



8. In a card-holding rack, a frame, a plurality of superposed members of substantially V-shaped cross-section removably arranged therein in interfitting relation to form pockets on both sides of the frame, and means carried by each of the members for forming the support of the member located next thereabove.

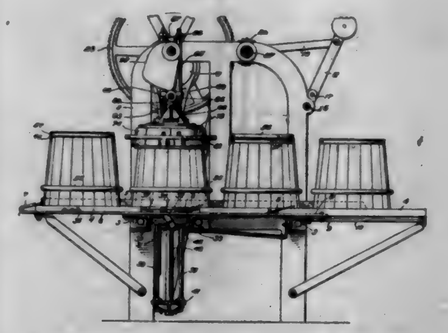
1,536,264. PUMP REGULATOR. HARVEY S. PARDEE, Chicago, Ill. Filed May 26, 1920. Serial No. 384,497. Renewed Aug. 21, 1922. Serial No. 583,355. 11 Claims. (Cl. 103—23.)

1. In apparatus of the class described, in combination, fluid-pressure-operated means for opening and closing a clutch at predetermined pressure standards, and fluid-pressure-operated means for opening and closing a con-



tact at predetermined pressure standards, the net actuating force for the moving parts of both means increasing progressively during their stroke.

1,536,265. MACHINE FOR MAKING TUBS AND THE LIKE. WALTER M. PAULSON and AXEL M. WALSTROM, Minneapolis, Minn., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 9, 1922. Serial No. 605,796. 25 Claims. (Cl. 147—6.)

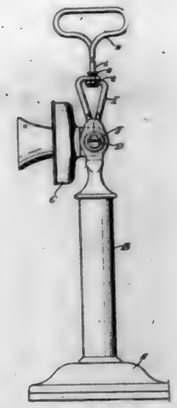


1. Apparatus of the class described comprising, in combination, means for supporting in sliding movement thereon a container drum and a bottom loosely positioned therein, means positioned adjacent the path of said drum for seating said loose bottom therein, and means for applying a hoop upon the bottom end of said drum.

1,536,266. UNTWISTING DEVICE. WILLIAM E. PUTNAM, Weston, Mass. Filed June 2, 1922. Serial No. 565,413. 4 Claims. (Cl. 179—154.)

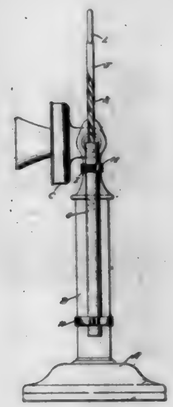
1. In combination, a portable telephone instrument having a mouth piece at one end and a cord attached to

the other end, a member removably attached to said instrument by means of the bolt for said mouth piece,



and a handle having a swivel connection to said member whereby said instrument may be held suspended by said handle and rotated thereon to untwist said cord.

1,536,267. UNTWISTING DEVICE. WILLIAM E. PUTNAM, Weston, Mass. Filed June 2, 1922. Serial No. 565,414. 12 Claims. (Cl. 179—154.)



1. In combination, a portable electrical instrument having a cord making the electrical connections thereto, and means causing said instrument to rotate automatically when lifted vertically thereby.

1,536,268. TRUNK LOCK. MARTIN RASMUSSEN, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed July 7, 1923. Serial No. 650,185. 7 Claims. (Cl. 292—25.)

1. In a trunk lock, a keeper member; a longitudinally slidable and pivoted locking member adapted to be engaged and moved about its pivot by said keeper member when the parts are in their partially open positions; means normally urging said locking member to keeper



engaging position; and manually operable means for sliding said locking member to clampingly draw said keeper member to its fully closed position.

1,536,269. BUMPER. ANDREW PHILLIP RIEDELE, Los Angeles, Calif., assignor to United States Bumper Company, Inc., Los Angeles, Calif., a Corporation of California. Filed Dec. 6, 1924. Serial No. 754,259. 8 Claims. (Cl. 293—55.)



1. A bumper comprising a plurality of spaced impact bars, a rear supporting bar, an intermediate bar secured to the rear bar at its ends in a manner to allow longitudinal movement of the ends of said intermediate bar.

1,536,270. DEVICE FOR SECURING BUTTONS OR THE LIKE TO FABRICS OR ANY OTHER KIND OF MATERIAL. VINZENZ SABADELLO, St. Polten, Austria, assignor to Franz Benedikt, St. Polten, Austria. Filed Nov. 5, 1923. Serial No. 672,883. 2 Claims. (Cl. 24—80.)



1. A device for securing buttons or the like to fabrics or any other kind of material comprising in combination, a bracket furnished with a slot at one of its arms, a clamping spring disposed within the said bracket, a double armed lever the arms of which are disposed at an obtuse angle pivoted to the said bracket in such a manner that in the operative position of the lever one of its arms rests within the said slot and the other arm thereof projects into the interior of the bracket and takes up an inclined position with respect to the slotted arm of the said bracket and cooperates with and forces inwardly one arm of the said clamping spring, and a button secured to the lever-arm first mentioned.

1,536,271. IRONING BOARD. MATTHEW JOSEPH SCHACKMANN, Chicago, Ill. Filed May 26, 1923. Serial No. 641,654. 2 Claims. (Cl. 68—10.)



1. In combination, an ironing board, a plate arranged at one extremity of the board and underlying a side marginal portion thereof, said plate being spaced from the board, means for securing the outer side marginal portions of said plate to the adjacent side marginal portion of the board, said plate being adapted to underlie a marginal portion of a support, and clamping means carried by the board in advance of the plate and adapted to engage a second marginal portion of the support.

1,536,272. COVER FOR HIGH-PRESSURE VESSELS. GEORG SCHEIB, Berlin, Germany, assignor to D. H. J. van Mens, The Hague, Netherlands, and J. G. Schurmann, Rotterdam, Netherlands. Filed Aug. 29, 1921, Serial No. 496,786. Renewed Mar. 6, 1925. 3 Claims. (Cl. 220—25.)



1. A quick-obturator for receptacles having a large aperture and high internal pressure, comprising, in combination: an oval cover adapted to be pressed against the inner rim of said aperture by the internal pressure and being composed of two slightly vaulted members of equal thickness riveted together at their rims and enclosing a hollow space; a tensioning ring arranged on the outer rim of the receptacle, threaded bolts arranged in slots of the tensioning ring; nuts upon said bolts; eyes and bolts connecting said first-mentioned bolts with the cover at the outer surface thereof; said threaded bolts connecting the cover with the tensioning ring and pressing the cover against the inner receptacle rim; a stay bolt arranged in the middle of the cover and traversing said cover space and connecting the two cover members with each other; a spacing tube upon said bolt; means for attaching the said cover to, and detaching it from the receptacle; a threaded pivot forming an elongation of said stay bolt on the outer surface of the cover; a toothed segment supported in a fork provided with a ball-bearing and an ear and provided with a lever firmly connected with the said stay bolt of the cover; a cog-wheel meshing with said toothed sector and being supported in said fork and adapted to readjust the sector and the cover; a bevel-wheel on the shaft of said cog-wheel, this shaft being arranged on one side of the fork; two bevel-wheels thereon; a worm-wheel and a self-checking worm meshing with the worm; a bevel-wheel on the shaft of the worm-wheel, one of the bevel wheels of the first mentioned shaft meshing with the bevel-wheel of the cog-wheel shaft and the other meshing with the bevel-wheel of the worm-wheel shaft; a crank on the bevel-wheel supported in the fork; a lever secured to the bevel-wheel shaft and being adapted to be actuated by the same; a compensating weight so arranged as to be adapted to be readjusted by this lever and to balance the cover in its various positions; and guide arms secured to the two legs of the fork and intended for said weight, as set forth.

1,536,273. THERAPEUTIC DEVICE. WOLDEMAR SCHNEE, New York, N. Y. Filed Mar. 20, 1924. Serial No. 700,456. 2 Claims. (Cl. 174—177.)



1. In a combination with an electric source, a foot plate attached to one lead wire, a rheostat attached to an opposite lead wire, a pair of gloves coupled to the last-named lead wire and in series with the rheostat on separate wires, said gloves comprising an outer layer of roughened fabric, an intermediate layer of current conducting wire netting and an interior layer of insulating rubber, said gloves being worn on the hands as a unit, the operator when standing on the foot plate and the gloves being moistened rubbed over the body, said gloves being adapted to perform an electric and dynamic massage simultaneously.

1,536,274. HOOK FOR MENDING RUNS. OTTO C. SEMONSEN, Brooklyn, N. Y. Filed June 27, 1923. Serial No. 648,107. 9 Claims. (Cl. 66—3.)

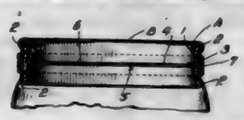


1. The method of restoring a run in knitted fabric, which comprises taking a needle, having an undercut hook at the lower end and a shoulder above said hook for temporarily holding the loop, inserting said needle in the free loop at the lower end of the run, temporarily holding said loop upon said shoulder, while picking up the thread of the adjacent dropped loop by means of said hook, then drawing said hook outward and simultaneously turning it to release the loop from said shoulder, said loop sliding off over said hook, then drawing the thread on said hook through said loop, thereby forming a new loop, then temporarily holding said new loop on said shoulder and repeating the operation.

1,536,275. HOLDER FOR KNITTED FABRICS. OTTO C. SEMONSEN, Brooklyn, N. Y. Filed June 27, 1923. Serial No. 648,108. 3 Claims. (Cl. 66—3.)

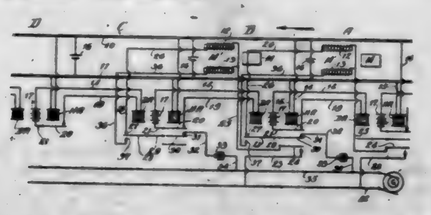
1. A holder for holding knitted fabric in position to be operated upon by a special needle for restoring runs

in the fabric, which comprises a frame over which the fabric is stretched, means for securing and holding the



fabric in stretched relation over said frame, and a diaphragm of contrasting colors spaced from and located below the plane of the fabric stretched over said frame.

1,536,276. ROADSIDE APPARATUS FOR AUTOMATIC TRAIN-CONTROL SYSTEMS. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed May 8, 1923. Serial No. 637,515. 3 Claims. (Cl. 246—63.)



1. In combination with track rails subdivided into insulated blocks or sections, of a roadside apparatus for impressing roadside conditions on moving vehicles comprising a plurality of magnetic devices associated with one of the track sections, one of said devices comprising a tripping element and the other a resetting inductor, a circuit for the inductor including a source of energy, a home relay connected to the section associated with the circuit and operative for normally opening said circuit in the absence of a train in such section and for closing such circuit in the presence of a train therein, and home and distant relays associated with the next succeeding track section for controlling said circuit in response to traffic conditions.

1,536,277. COMPOSITE HEAD FOR TACKS OR THE LIKE. HENRY B. TILTON, Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Boston, Mass., a Corporation. Filed Aug. 30, 1922. Serial No. 585,280. 1 Claim. (Cl. 85—53.)



An article of the class described, comprising an absorbent core, a fastening member projected through said core, a shell of moldable fibrous material formed about said core and projecting under the lower face of the same, said core and shell being impregnated with a liquid penetrant dried therein.

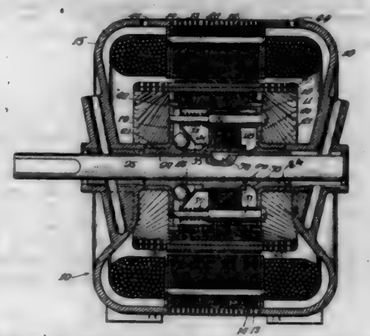
1,536,278. BELT CLAMP. JOHN E. URSCHEL, Mexia, Tex. Filed Feb. 2, 1925. Serial No. 6,202. 3 Claims. (Cl. 24—37.)

1. Belt clamps comprising two clamping members for engaging the ends of a belt, made of rigid material and having portions thereof curved to conform to the arc of the pulleys over which the belt is traveling and having



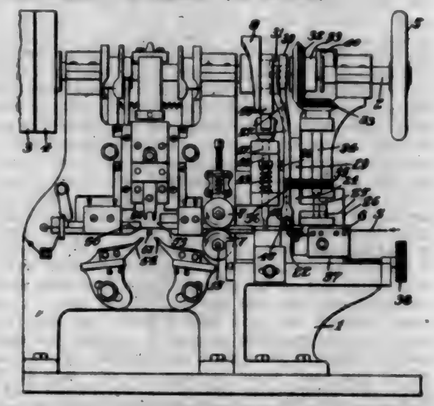
the extreme ends of the clamps curved away from the surface of the belt, and bolts and nuts for securing the clamps on the ends of the belt.

1,536,279. DYNAMO-ELECTRIC MACHINE. VINCENT G. APPLE, Dayton, Ohio. Filed May 27, 1920. Serial No. 384,574. 1 Claim. (Cl. 172—36.)



A device of the character described comprising a rotatable shaft; a pair of spaced disks rotatable thereon; a ring connected near the periphery of the disks to provide a substantially closed housing to prevent entrance of foreign matter therein; a pair of pins passing thru the disks and substantially parallel with the shaft; a series of axially movable flat rings supported on the pins; a series of axially movable flat rings rotatable with the shaft and alternating in position with the flat rings on the pins and centrifugally operable means within the closed housing to press said flat rings together to rotatably connect the housing and the shaft.

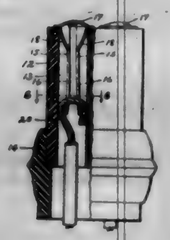
1,536,280. RING-TRAVELER MACHINE. JAMES H. AVERY, Franklin, Mass., assignor to Philip C. Wentworth, Providence, R. I. Filed Feb. 5, 1924. Serial No. 690,877. 13 Claims. (Cl. 29—34.)



1. In combination, an intermittent stock feed mechanism, a pair of oppositely disposed spaced milling cutters between which the stock is adapted to feed, and

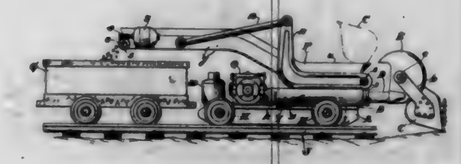
means operating in timed relation to the stock feed mechanism effective to initially open said cutters during the feeding phase of the stock feed mechanism to permit the stock to feed therebetween and effective to subsequently close said cutters to permit them to mill equal opposite portions from the longitudinal edges of the stock included therebetween during the non-feeding phase of the stock feed mechanism.

1,536,281. TERMINAL CONNECTER. HUGH W. BATCHELLER, Worcester, Mass., assignor to Winooski Electric Manufacturing Company Inc., Burlington, Vt., a Corporation of Vermont. Filed Feb. 19, 1924. Serial No. 693,888. 2 Claims. (Cl. 173—361.)



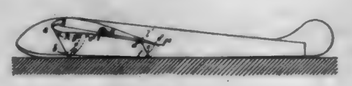
1. A terminal connecter comprising an insulating body having a bore, and a stop face at one end of the bore, and a fixed conductor having a stop shoulder, adapted to bear on said stop face, said conductor including an exposed contact portion, and flexible arms projecting from the contact portion and formed to enter the bore, said arms being arranged side by side and provided with longitudinally extending slots, having relatively wide inner end portions, adapted to receive a terminal portion of a flexible conductor, and narrower outer end portions, the edges whereof form gripping jaws adapted to grasp said terminal portion, when the latter is moved lengthwise of the slots.

1,536,282. SHOVELING AND LOADING MACHINE. JOHN C. BRACKETT, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 20, 1924. Serial No. 714,559. 11 Claims. (Cl. 214—90.)



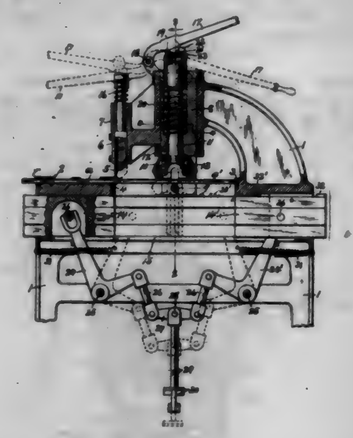
1. A shoveling and loading machine, comprising the combination of a base, a shovel, means for thrusting said shovel forwardly and back, means including a cylindrical pressure chamber, and a pivotally supported flat piston swinging in said pressure chamber for raising and dumping said shovel.

1,536,283. METHOD AND APPARATUS FOR FACILITATING THE STARTING AND THE LANDING OF AEROPLANES. LOUIS BREGUET, Paris, France, assignor to Société Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Filed Aug. 23, 1922. Serial No. 583,811. 5 Claims. (Cl. 244—2.)



4. A device for the starting and landing of aeroplanes when in immediate vicinity to the landing surface, comprising two flaps hinged to the lateral edges of the plane, means for controlling said flaps, two flaps hinged to the front and rear edges of the plane, a rod connecting these two flaps, an air compressor under the control of said rod and adapted to pivot the rear longitudinal flap when the speed of the avion becomes reduced, and bands of flexible material disposed along the lower edge of said flaps and insuring the tight working between the pneumatic receptacle formed by the said flaps and the surface upon which the avion effects the landing.

1,536,284. METHOD OF AND APPARATUS FOR MAKING COTTER PINS. WILLIAM M. BRITTON, Syracuse, N. Y. Filed Dec. 10, 1923. Serial No. 679,602. 7 Claims. (Cl. 29—5.)

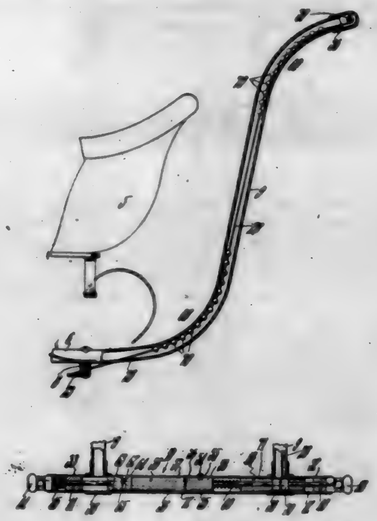


1. A method of forming split cotter pins, consisting in bending a strip of wire around a suitable support to form a head and opposite legs, then pressing the legs together to form the shank, and then turning the support about the axis of the shank to twist the head relatively to said shank.

1,536,285. BRAKE MECHANISM FOR BABY CARRIAGES. GEORGE W. CLARK, Westfield, Mass., assignor to Westfield Manufacturing Company, a Corporation of Massachusetts. Filed Apr. 19, 1922. Serial No. 555,588. 13 Claims. (Cl. 188—20.)

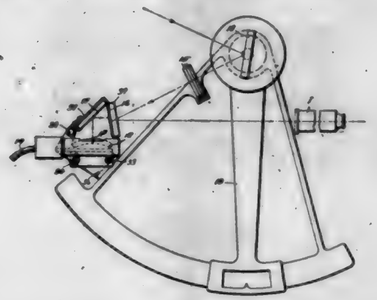
1. In a baby carriage the combination of a frame for supporting the carriage body, a brake and actuating mechanism therefor, a handle-bar, a tubular handle-bar

supporting member, a cable connected at one end to the brake-actuating mechanism and extending through said tubular member, means associated with the handle-bar



for pulling said cable to actuate the brake, and friction reducing devices carried by said cable to protect the latter from wear.

1,536,286. ATTACHMENT FOR SEXTANTS. LUIS DE FLORES, Short Hills, N. J. Filed Mar. 21, 1919. Serial No. 284,025. 2 Claims. (Cl. 88—2.7.)



1. An attachment for a sextant including a detachable bracket adapted to engage a sextant frame and having an upwardly extending level supporting flange and a downwardly extending mirror supporting flange lying in the same plane, a downwardly extending and offset leg carrying an attaching flange lying in a different plane from the other two flanges.

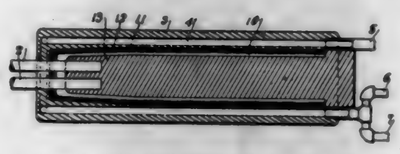
1,536,287. RAILWAY CAR. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 10, 1924. Serial No. 685,297. 10 Claims. (Cl. 20—52.)

1. In a railway car, a vestibule having an opening and a sash adapted to close and open the same, an actuating support to carry said sash and move it from closed to open position, and vice versa, and a guide-way



to guide said sash in its movements from closed to open position, and vice versa.

1,536,288. METHOD OF MANUFACTURE OF RUBBER COMPOUND. ABRAHAM L. FREEDLANDER and WILLIAM G. GOODWIN, Dayton, Ohio, assignors to The Rubber Development Company, Dayton, Ohio, a Trust Estate. Original application filed Dec. 26, 1922, Serial No. 608,978. Divided and this application filed Oct. 27, 1923. Serial No. 671,256. 5 Claims. (Cl. 18—53.)



5. In a method of producing the herein described rubber compound with a coating of resilient rubber, mixing smoke sheets, rosin oil, sulphur, and lime at approximately 130° to 180° Fahrenheit, adding ethyl-idene-aniline previously brought to about 212° Fahrenheit, adding ammonium bicarbonate and cooling the mass to approximately 70°; lining an interior of a mold with rubber sheets which are cemented therein, placing the mass on said sheets and heating the mold under approximately eighty pounds pressure a predetermined period raising the heat gradually during the first third of the period.

1,536,289. VALVE. JOHN B. GATE, Chicago, Ill., assignor to Aaron M. Seales, Chicago, Ill. Filed Dec. 20, 1922. Serial No. 607,955. 3 Claims. (Cl. 123—188.)

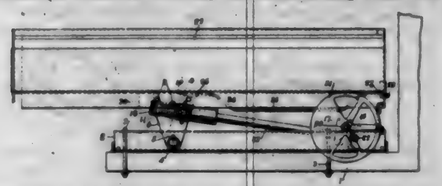


1. A valve structure comprising a valve having a plurality of dished disks; a stem extending from the concave side of the valve and a valve seat curved on longer radii than the valve in its open position to receive the circumferential concave edge of the valve.

1,536,290. POWER DUMP BODY. JOHN C. GAY, RALPH E. SMITH, and HARRY J. QUIRK, Galion, Ohio, assignors to The Galion Metallic Vault Company, Galion, Ohio, a Corporation of Ohio. Filed Jan. 10, 1924. Serial No. 685,332. 7 Claims. (Cl. 298—19.)

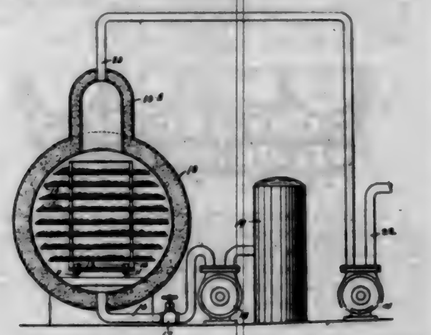
1. In a dump body construction, a body, means to pivotally support said body on a frame, a frame and a

lever extending upwardly from said pivotal support and connected thereto, actuating means extending from said



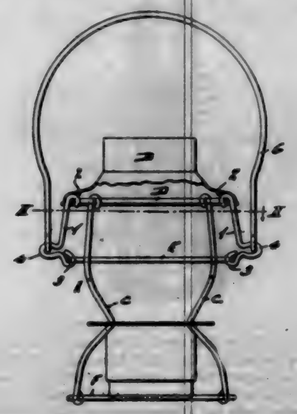
lever to a remote point, and means for controlling said actuating means.

1,536,291. METHOD OF DEHYDRATING. CHARLES E. GLESSNER, Portland, Oreg. Filed July 21, 1923. Serial No. 652,918. 1 Claim. (Cl. 99—5.)



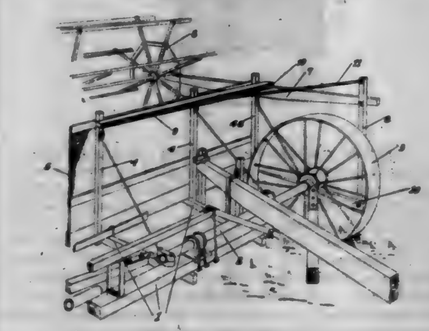
In the art of dehydration, a method of supplying heat to food in a partial vacuum consisting of placing same in a partial vacuum, then surrounding the food with carbon dioxide gas also maintained at a reduced pressure and then exposing said rarefied gas to the action of heat in a manner that said heat may be carried by said gas, to all of the surface of said food to evaporate its moisture.

1,536,292. LANTERN FRAME. ALEXANDER H. HANDLAN, St. Louis, Mo. Filed July 5, 1922. Serial No. 572,700. 2 Claims. (Cl. 240—52.)



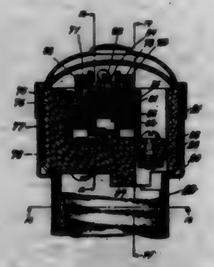
1. A lantern frame provided with a plurality of vertical guard wires and a plurality of horizontal guard wires, a bail having looped ends, and means comprising sections of wire, the end portions of which embrace a pair of horizontal guard wires intermediate of pairs of vertical guard wires for securing said bail to said lantern frame, said sections of wire being located entirely above that portion of the lantern frame wherein the burner of the lantern is arranged and each of said sections of wire being provided with an eye which receives a looped end of said bail.

1,536,293. BRACE CONSTRUCTION FOR HEADERS. GEORGE H. HARRIS, Stockton, Calif. Filed June 16, 1923. Serial No. 645,741. 4 Claims. (Cl. 56—219.)



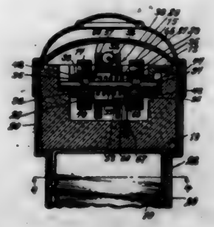
1. A brace structure for headers comprising the combination with a header-reel beam and an upright support therefor, of a horizontal inflexible brace supported independently of said upright, and projecting to a point adjacent the same and at right angles to the beam, and means connecting the free end of said brace to the upright to permit relative fore and aft adjustment therebetween.

1,536,294. ELECTRIC SWITCH. CHARLES L. HOPKINS, River Forest, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 19, 1919. Serial No. 324,971. 2 Claims. (Cl. 173—354.)



1. A switch mechanism comprising an insulating contact carrier constructed in two separable mating parts, each having a portion of reduced diameter and a portion of greater diameter, the portions of reduced diameter facing each other; a torsion spring surrounding said reduced portions; a driving member supported upon said reduced portions; a flexible operating member winding on said driving member; a curved contact arranged on the larger portion of each of said mating parts; each of said parts having a flange extending beyond its contact to form a barrier between the same and the driving and flexible operating members; conducting bearings for said contact carrier electrically connected to said curved contacts; and stationary contacts engaging said curved contacts and arranged to snap off the same simultaneously.

1,536,295. ELECTRICAL SWITCH. CHARLES L. HOPKINS, River Forest, and WALTER F. HINKLE, Chicago, Ill., assignors to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 22, 1919. Serial No. 325,447. 5 Claims. (Cl. 173—354.)



1. A switch mechanism comprising two spaced contact carriers of insulating material, mounted to rotate about a common axis in different parallel planes, two contacts, one carried by each carrier, a pair of stationary contacts, one for each rotatable contact with respect to which said rotatable contacts make and break connection in the rotation of said carriers, means for actuating said carriers comprising a drum oscillatable about the same axis as said carriers, a pull member mounted on said drum, and a coil torsion spring coaxial with said carriers and located inside said drum for returning said drum.

1,536,296. JACK FOR WIRELESS TELEPHONY OR THE LIKE. JOSEPH W. JONES, New York, N. Y. Filed Aug. 11, 1922. Serial No. 581,135. 11 Claims. (Cl. 179—96.)



6. A jack comprising a base-plate of metal having a screw-threaded hole, a sheet of insulation secured on the rear face thereof and having a hole registering with the first-named hole, a headed and externally-threaded hollow bushing engaging said screw-threaded hole in the base-plate for clamping the latter upon a panel, two complementary jack-terminals, at least one of them mounted upon the rear face of said insulation-sheet, and a rearwardly-projecting contact-spring electrically connected at the rear face of said insulation-sheet to the last-mentioned terminal.

1,536,297. HOUSING FOR EXHAUST-PIPE RADIATORS. FRANK J. KLINKA, Milwaukee, Wis., assignor, by mesne assignments, to Masco Specialty Manufacturing Company, Milwaukee, Wis. Filed Dec. 1, 1922. Serial No. 604,139. 11 Claims. (Cl. 257—136.)



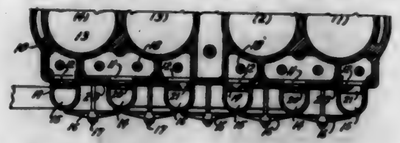
2. A housing for heat radiators for automobiles, said housing having one of its walls provided with apertures adjacent its bottom, flanges upon the other of its walls, a gate for said apertures provided with a flange adapted to register with said first mentioned flanges, and a tube adapted to be connected with an air hose, whereby said housing may be cleaned.

1,536,298. AUTOMATIC START AND STOP DEVICE. SAMUEL KOHN, New York, N. Y. Filed Apr. 25, 1923. Serial No. 634,494. 30 Claims. (Cl. 192—124.)



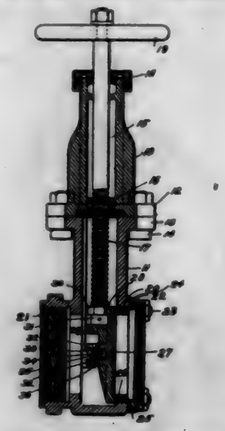
1. The combination with automatic non-set phonograph stops of means for rendering the stopping mechanism inoperative during any rearward movement of the phonograph tone arm.

1,536,299. GASOLINE-VAPORIZING GLAND. ERNEST W. KUMMER, Edgewater, Colo., assignor of one-half to George C. Keech, Denver, Colo. Filed Sept. 14, 1923. Serial No. 662,673. 4 Claims. (Cl. 123—122.)



1. A hydro-carbon vaporizing device for internal combustion engines comprising the combination of a series of glands adapted to be placed between the manifolds and the cylinders of said engines, and tubes interconnecting and holding said glands in spaced relation, said tubes communicating between the exterior glands of said series and passing completely through the interior glands thereof.

1,536,300. GATE VALVE. ROBERT V. LONGTINE, Los Angeles, Calif., assignor to Longtine Valve Company, a Corporation of California. Filed Feb. 27, 1922. Serial No. 539,448. 3 Claims. (Cl. 251—56.)



1. A gate valve construction comprising a housing having oppositely disposed inlet and outlet ports, a gate valve mounted in said housing, the non-seating face of said valve being convex in form, means to reciprocate said valve, a pair of cam tracks mounted in said housing, one on either side of one of said ports, and a cylindrical rod loosely carried by said gate valve, the ends of said rod engaging the cam tracks and exerting pressure at a single point on the convexed face of said gate on a seating operation.

1,536,301. PROPHYLACTIC DETERGENT. OTTO LOWY, Newark, N. J., assignor, by mesne assignments, to Technical Products Corporation, a Corporation of New Jersey. Filed Aug. 30, 1920. Serial No. 407,027. 3 Claims. (Cl. 167—3.)

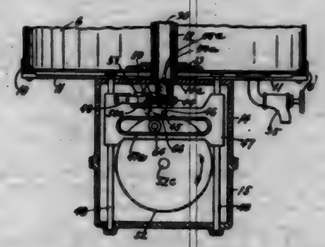
2. A prophylactic detergent comprising an intimate mixture of a soap and an arsenphenamine bearing serum.

1,536,302. EXPANDING BRUSH. GEORGE JOHN MEYER and EDWARD ALBERT TISCHER, Milwaukee, Wis., assignors to George J. Meyer Manufacturing Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 25, 1921. Serial No. 464,420. 8 Claims. (Cl. 15—165.)



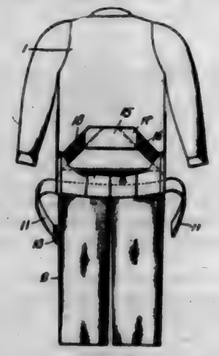
2. In an expanding brush, the combination of a rotatable brush holder having separable recessed sections, and a pair of complementary brush backs having bristle-holding portions and shank portions provided with pivots axially spaced removably seated in the recessed portions of said sections in a plane normal to the axis of the brush holder and permitting the bristle-holding portions to swing outwardly, said backs with their pivots being directly removable from said holder when the sections are separated.

1,536,303. WASHING MACHINE. ANDREW B. MILLER, Baldwin, Wis., assignor to Twin-Washer Manufacturing Company, St. Paul, Minn. Filed Nov. 30, 1923. Serial No. 677,640. 2 Claims. (Cl. 74—14.)



1. In a clothes washing machine and mounted in suitable framework, a vertically disposed pounder shaft, a horizontally disposed drive shaft having at one end a disc with a crank pin in it; a vertically guided yoke having a horizontal slot engaged by the crank pin; said yoke being swivel-jointed to the lower end of the pounder shaft, a worm gear fixed on the lower end of the pounder shaft, a horizontal worm-screw carried by the crosshead and constantly in mesh with the worm gear; a star fixed on one end of the worm-screw, and a tooth carried by the crank pin and arranged to impart a partial rotation of the star each time the crank pin raises the pounder shaft to its highest position.

1,536,304. OVERALL UNION GARMENT. JAMES MORRISON, Chicago, Ill. Filed Apr. 2, 1923. Serial No. 629,313. 1 Claim. (Cl. 2—73.)

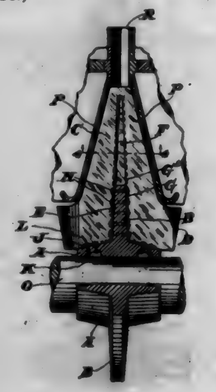


A one-piece union overall garment including a shirt part and a trousers part, said shirt part having secured permanently to its back portion, a pair of individual suspender members spaced apart on the shirt part and disposed divergently and downwardly and secured at their lower ends to the sides of the trousers part respectively below the belt line.

1,536,305. DENTIFRICE MATERIAL. FERDINAND W. NITARDY, Brooklyn, N. Y., assignor to E. R. Squibb & Sons, New York, N. Y., a Corporation of New York. Filed Nov. 13, 1923. Serial No. 674,484. 5 Claims. (Cl. 167—6.)

2. A dentifrice material comprising magnesium hydroxide substantially free from water and suspended in glycerine.

1,536,306. RADIAL IMPELLER. MELACH J. NUSIM, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 6, 1924. Serial No. 690,891. 1 Claim. (Cl. 230—11.)



A runner for a centrifugal blower including a hub having a base and a central flange extending radially therefrom and a double flow impeller blade formed

integrally and extending on opposite sides of the flange of the hub and having a rib pressed out on its back face beyond the hub flange to reinforce the blade, said rib terminating in flanges for attachment to the hub.

1,536,307. PRINTER'S CALIPER. FERDINAND A. PFEIFER, Springfield, Ohio, assignor to The Eagle Engineering Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 16, 1921. Serial No. 522,740. 4 Claims. (Cl. 33—193.)

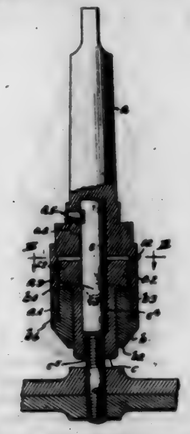


1. In a printer's caliper, a rule having a scale on each face thereof and having at one end type engaging projections extending beyond the respective edges thereof, and a slide reversibly mounted on said rule, having type engaging projections at each side thereof and having a measuring edge adjacent to each of said projections.

1,536,308. PROCESS FOR THE PREPARATION OF MEAT POWDERS. WILLIAM FREDERICK REMUS, Rangataua, New Zealand, assignor of one-sixth to Alexander Edmund Macredie, one-sixth to Charles Frederick Cork, three-twelfths to Alan MacKenzie McNeil, and three-twelfths to William John Abbott, all of Auckland, New Zealand. Filed Nov. 17, 1921. Serial No. 515,786. 2 Claims. (Cl. 99—5.)

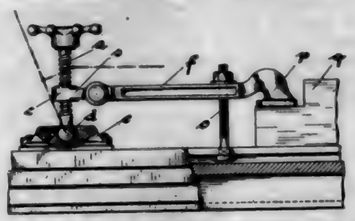
2. The process of making meat powder which comprises reducing the meat to small particles, subjecting the meat to successive heating, squeezing and mincing operations, each heating operation being conducted at a temperature below 140° F., and each heating operation being followed by the squeezing operation to express the juices and by the mincing operation to loosen the pressed meat, subjecting the expressed juices to sufficient temperature to sterilize and concentrate them, reincorporating the treated juices with the meat, subjecting the meat to a final heating operation below 140° F. to dry the same, and then grinding the dry meat.

1,536,309. INTERCHANGEABLE STUD DRIVER. WILLIAM F. REULMAN, Detroit, Mich. Filed Aug. 24, 1922. Serial No. 583,985. 6 Claims. (Cl. 81—53.)



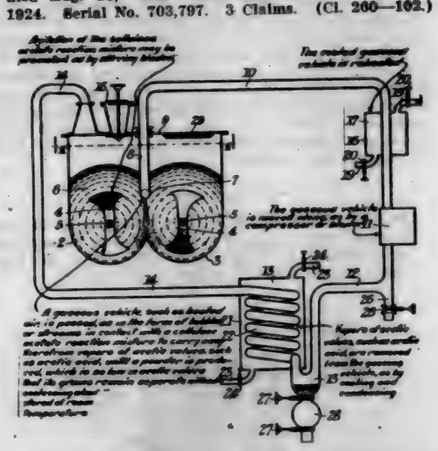
2. In a stud driver, a shank member having a cavity capable of receiving stud holders of different size, a stud holder receivable within said cavity, means removably supporting said stud holder within said cavity, co-acting cam surfaces on said means and on said stud holder to releasably lock the stud holder to the shank member upon rotation of the shank member in a given direction.

1,536,310. CLAMPING DEVICE. HERMANN RÖTHLISBERGER, Zurich, Switzerland. Filed Aug. 11, 1924. Serial No. 731,534. 3 Claims. (Cl. 144—200.)



1. In a device for adjustable clamping, the combination with a supporting spindle, of a ball-joint, a spherical seat supporting said spindle in a manner to turn on said ball in any direction, a clamping arm connected to said spindle by a nut turning round a thread of said spindle, and a joint interposed in said clamping arm for adapting itself and the said clamping arm to the flexible motion of the said spindle.

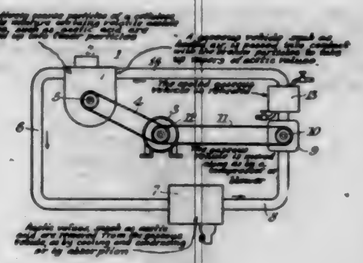
1,536,311. INTERMEDIATE PRODUCT IN THE MANUFACTURE OF CELLULOSE ACETATE. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Continuation of application Serial No. 658,109, filed Aug. 18, 1923. This application filed Apr. 2, 1924. Serial No. 703,797. 3 Claims. (Cl. 260—102.)



1. As an intermediate product in the manufacture of cellulose acetate, a powder, the substantially separate grains of which comprise cellulose acetate mixed with acetic values and remain separate without coalescing when stored at room temperature and pressure.

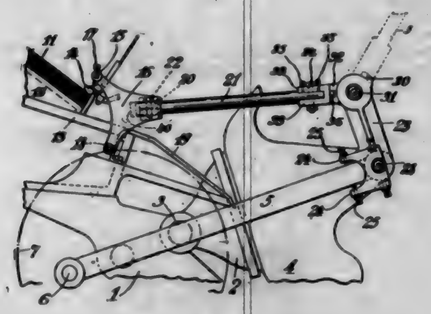
1,536,312. PROCESS OF RECOVERING ACETIC VALUES FROM A CELLULOSE-ACETATE MIXTURE. PAUL C. SEEL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 2, 1924. Serial No. 703,796. 5 Claims. (Cl. 260—107.)

1. In the process of making cellulose acetate which includes recovering acetic values from a cellulose acetate mixture which is in the form of relatively coarse particles containing insufficient of said values to cause said particles to coalesce, at room temperature and pressure, the steps of breaking up said particles into powder



of relatively finer particles, passing a fluid vehicle into contact with said broken up particles to absorb acetic values, removing said vehicle from said particles and separating acetic values from said vehicle.

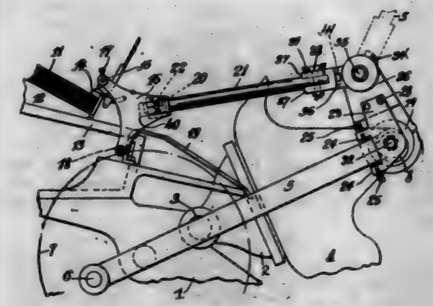
1,536,313. SUCTION-NOZZLE SUPPORTING MEANS FOR PRINTING PRESSES. PERCY L. SIBOLE, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed Mar. 18, 1924. Serial No. 699,992. 5 Claims. (Cl. 101—287.)



1. In a printing machine the combination with a paper separating device, supporting means therefor comprising a support secured to the said machine, a nozzle arm pivoted to said support, means for adjusting the support on the machine, means for adjusting the nozzle arm with respect to the said support, a nozzle head for supporting said separating device and means permitting adjustment of said nozzle head circumferentially and lengthwise of the said nozzle arm.

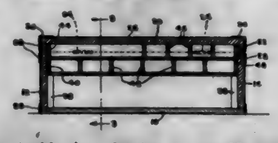
1,536,314. SUCTION-NOZZLE SUPPORTING MEANS FOR PRINTING PRESSES. PERCY L. SIBOLE, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed Mar. 18, 1924. Serial No. 699,993. 3 Claims. (Cl. 101—287.)

1. In a platen press the combination with a form member connecting rod pivoted on the eccentric portion of the form member shaft, of a supporting member, means for securing the same in concentric relationship on said eccentric portion of the form member shaft, means for clamping said supporting member to the said connecting rod, a second supporting member having a hub secured to said shaft in concentric relationship to said eccentric shaft portion, means for securing the



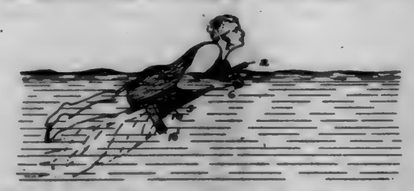
said two supporting members together and suction nozzle supporting means secured to said second supporting member.

1,536,315. FISHING-TACKLE BOX. GUST SWANSON, Minneapolis, Minn. Filed Feb. 9, 1924. Serial No. 691,661. 1 Claim. (Cl. 43—55.)



A fishing tackle box having a specific gravity less than that of water, a plurality of fishing tackle compartments therein, a closure for the box consisting of a flat top member provided with a marginal flange which makes a water-tight joint with the body of the box when closed, a coating of varnish on the outside of the box, a layer of artificial leather outside of said varnish, metal strips passing horizontally around the box for holding said artificial leather in place, and reinforcing angular pieces secured to the corners of said closure.

1,536,316. MECHANICAL SWIMMING DEVICE. ZOLTAN TAMASSY, Cleveland, Ohio. Filed June 6, 1924. Serial No. 718,224. 1 Claim. (Cl. 9—18.)

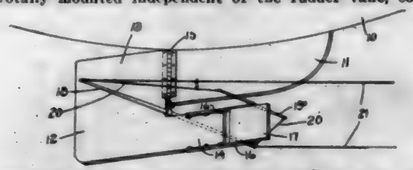


A mechanical swimming device, comprising a flat board having a hollow sub-structure secured to its bottom, said board tapering to a narrower width at the rear end of said board, and said sub-structure having a greater depth at the rear end of said sub-structure than at its front end, and crank-operated propeller mechanism mounted beneath said board.

1,536,317. STEERING MECHANISM. RALPH H. UPSON, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 1, 1919. Serial No. 294,071. 8 Claims. (Cl. 244—29.)

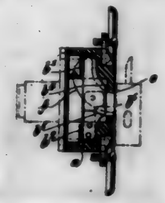
5. A rudder system for fluid-navigating craft comprising, a relatively fixed fin, a rudder vane pivoted to

the fin, a control vane pivoted to the rudder vane, a spar rigidly secured to the control vane, a second spar pivotally mounted independent of the rudder vane, con-



necting means extending from the first spar to the second spar and means for manually controlling the rudder vane by changing the position of the second spar.

1,536,318. RECEPTACLE FOR ELECTRICAL CONNECTING AND SUPPORTING DEVICES. ERNEST CANTELO WHITE, New York, N. Y., assignor to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 26, 1921. Serial No. 455,915. 4 Claims. (Cl. 173—330.)



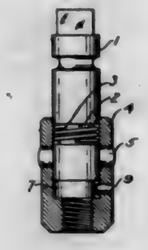
2. A receptacle for an electrical connecting and supporting device formed with common entrance openings for conducting and supporting members of a wall plug and a ceiling plug, and provided with terminals having means to be engaged by conducting and supporting members of a wall plug respectively which are deflected generally in the same direction and conducting and supporting members of a ceiling plug which extend generally in divergent directions.

1,536,319. PLASTER FORK. HENRY W. YOST, Dayton, Ohio, assignor to The Grether Fire Equipment Company, Dayton, Ohio, a Corporation of Ohio. Filed Nov. 24, 1923. Serial No. 676,823. 7 Claims. (Cl. 7—1.)



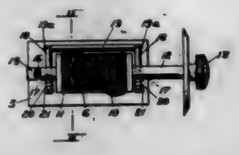
1. In a device of the type described, the combination with a pointed member, of a pair of knives fulcrumed therein behind its pointed end and adapted to be moved outwardly at an angle thereto, a spring adapted to normally hold said knives in a distended position, and means connected to said knives for operation in opposition to said spring to force them into a closed position.

1,536,320. AUTOMATIC STUD DRIVER AND RELEASING MECHANISM. WILLIAM M. ZIEGLER, Dayton, Ohio, assignor to The Apex Machine Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 2, 1924. Serial No. 741,189. 4 Claims. (Cl. 81—53.)



1. In a stud driver, a driving member, a locking sleeve mounted thereon adapted to have limited rotation thereabout, the lower end of said sleeve having a threaded aperture for engaging with the stud, a yielding member engaging with said driver and with said sleeve to rotate one relative to the other, a cam slot in said sleeve, a transverse member carried by said driver engaging in said slot, a locking plate loosely mounted within said sleeve between the end thereof and the end of the driver adapted to engage the end of the stud during the driving operation and adapted to be moved upwardly by the locking sleeve during the retreating operation.

1,536,321. VARIABLE-CONTACT DEVICE. WALTER O. AMSLER, Pittsburgh, Pa. Filed Apr. 12, 1923. Serial No. 631,535. 5 Claims. (Cl. 201—56.)

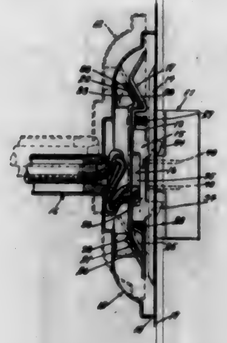


1. A variable contact device having two principal parts, one part including a coil having an exposed spiral contacting surface, the other part including a rolling contact member extending co-axially with the axis of the coil and arranged to bear against a portion of the exposed spiral surface of the coil, one of said parts being movable relatively to the other whereby the point of contact between the coil and contact member may be varied.

1,536,322. ELECTRICAL-FIXTURE-SUPPORTING DEVICE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed July 1, 1921. Serial No. 481,735. 7 Claims. (Cl. 173—330.)

2. The combination with a fixture, and a canopy, of means for mechanically connecting said fixture with respect to a receptacle, comprising a bracket, said bracket and canopy being provided with interengaging means whereby said canopy may be guided in a definite path into

engagement with a supporting surface by an oblique movement inwardly and downwardly, whereby the edge of said canopy will firmly engage the supporting sur-



face without scraping over it, said interengaging means comprising a jaw on said bracket, a spring pressed jaw in cooperation with said first jaw, and a member held between said jaws.

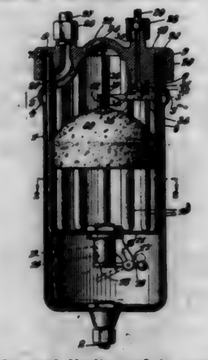
1,536,323. SPRING MATTRESS. BENNETT BOND, Lesterville, Mo. Filed Feb. 6, 1922. Serial No. 534,297. 1 Claim. (Cl. 5—8.)



A spring mattress comprising a main spring having a pair of spaced apart parallel side rails, an end rail extending from side rail to side rail located adjacent the ends of said side rails, said end rails having their upper faces above the upper faces of the side rails, and being provided with longitudinally extending and spaced apart slots formed vertically therethrough, parallel rails having their upper faces flush with the upper faces of the end rails located between the side rails and secured to the end rails, a pair of rectangular sections located slidably to and from each other on said end rails, said sections provided near their adjacent edges with fastening means extending through the slots in the end rails for adjustably securing the same thereto, the intermediate rails serving as a support for one edge of the rectangular sections when the same are in extended position, and folding legs for supporting the opposite edges of said sections when the same are in extended position.

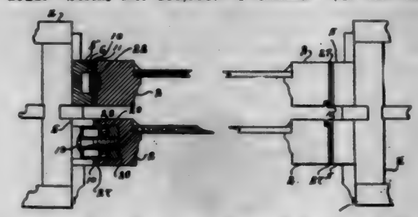
1,536,324. VACUUM FEED. ENEA BOSSI, New York, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation, a Corporation of Virginia. Filed Sept. 15, 1921. Serial No. 500,808. 24 Claims. (Cl. 103—236.)

1. In a vacuum fuel feed system, the combination of a vacuum tank, a suction conduit leading to said vacuum tank, a valve seat on the end of said conduit, a disc valve adapted to be held against said seat by atmospheric pressure when a partial vacuum exists in said conduit, a lever for operating said valve, and a light weight float having a free movement within predetermined limits and being adapted to operate said lever to rock said disc on the valve seat when the float



lowers beyond the said limits and to cause said disc to drop away from the valve seat to open the suction conduit.

1,536,325. RUNNER DEVICE. HARRY E. BRADNER, Fremont, Ohio, assignor, by mesne assignments, to The Twin-Plex Reversible Window Company, Inc., Buffalo, N. Y., a Corporation of Delaware. Filed Aug. 5, 1921. Serial No. 489,993. 6 Claims. (Cl. 20—49.)



1. A sash, a runner associated therewith, said runner being provided with a longitudinally extending seat, a plate having an opening over said seat and mounted upon the runner, a friction member retained with the runner by said plate and yieldably held to protrude through said seat away from the runner, a plate on said sash providing a seat for engagement with the friction member when the runner and sash are aligned, and means pivotally connecting said sash and runner plate.

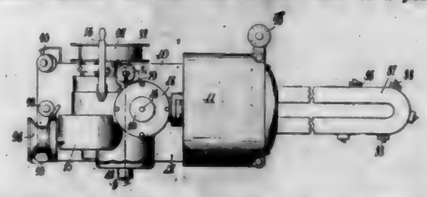
1,536,326. PROCESS FOR THE MANUFACTURE OF DILUTE SOLUTIONS OF MAGNESIUM SULPHATE. HARRY E. BROOKBY, Evanston, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 525,158. 1 Claim. (Cl. 23—128.)

The process of manufacturing magnesium sulphate in solution, consisting in hydrating dolomitic lime, suspending it in water, adding thereto a saturated solution of gypsum carrying an excess of gypsum crystals to maintain solution, passing gaseous carbon dioxide through the mixed solutions, sedimenting the calcium carbonate in a sludge, and decanting the clear solution of magnesium sulphate.

1,536,327. MINING MACHINE. FRANK CARTLIDGE, Cincinnati, Ohio, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Original application filed June 12, 1915, Serial No. 487,724. Divided and this application filed June 25, 1924. Serial No. 722,873. 108 Claims. (Cl. 262—30.)

1. A room and pillar mining machine comprising a machine frame slidable on its bottom over a mine bottom,

cutting mechanism including a cutter bar projecting longitudinally therefrom, a motor for actuating said cutting mechanism, and means for feeding said frame to sump said bar under the coal and thereafter to move said frame and bar laterally across a face during cutting including a pair of parallel transversely extending shafts, a feed operating member rotating on a transverse axis, a flexible feeding member cooperating therewith and adapted to extend during transverse cutting from a point adjacent the front end of said frame to a point



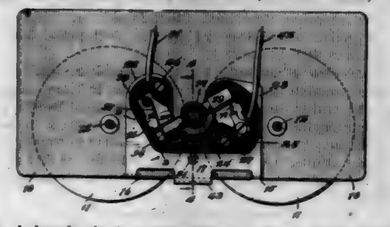
in advance of said frame, a gear member concentric with and fixed during driving of said feed operating member as to angular movement with respect thereto, a pinion mounted on one of said transverse shafts and meshing with said gear, a second gear on said shaft, a pinion on the other of said first mentioned shafts meshing with said last mentioned gear, friction mechanism for connecting said last mentioned pinion to said shaft, and means for driving said last mentioned shaft from said motor.

1,536,328. COMMUTATOR. LOUIS CARUSO, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1923. Serial No. 628,973. 13 Claims. (Cl. 171—320.)



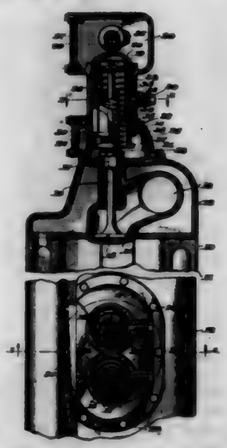
1. A commutator comprising a flat insulating disk having radial fins on one face and an aperture between each of the fins, commutator segments, and rivets passing through the segments and apertures to fasten the segments against the face of the disk with their ends engaging the fins, the fins preventing the twisting of the commutator segments on the rivets.

1,536,329. BRUSH RIGGING. LOUIS CARUSO, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y., a Corporation of New York. Filed June 9, 1923. Serial No. 644,374. 15 Claims. (Cl. 171—324.)



1. A brush rigging comprising a sheet metal plate, a sheet of insulation fastened to the plate, and a pair of independent brush holders fastened to the insulation, said sheet and plate having an open slot between the brush holders whereby the sheet and plate may be withdrawn as a unit, the brush holders being so disposed that brushes mounted therein may bear on opposite parts of a commutator which is carried in the slot.

1,536,330. HYDROCARBON MOTOR. HAROLD D. CHURCH, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 22, 1918. Serial No. 223,949. 8 Claims. (Cl. 123—90.)



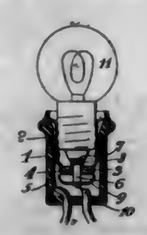
5. In a hydrocarbon motor, the combination with a valve, and a cam shaft for operating the valve, of a pair of telescoped sleeves surrounding the valve stem and adjustably connected together, the inner of said sleeves having a closed end in contact with the end of the valve stem and the outer of said sleeves having a closed end in contact with the cam shaft.

1,536,331. LOADING MACHINE. WALLACE B. CONANT, Concord, Mass. Filed Oct. 21, 1922. Serial No. 596,171. 2 Claims. (Cl. 198—174.)



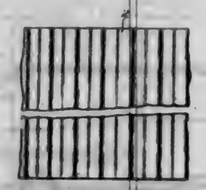
1. In a machine of the class described, the combination of an inclined conveying trough, a corrugated bottom for said trough having the corrugations extending lengthwise thereof, and a plurality of notched bars extending transversely of the trough and movable longitudinally of the corrugated bottom.

1,536,332. LAMP SOCKET FOR CHRISTMAS-TREE LIGHTING. HENRY M. ROSENDAL DAM, Astoria, N. Y., assignor to Monowatt Electric Import Co. Inc., New York, N. Y., a Corporation of New York. Filed Nov. 22, 1924. Serial No. 751,456. 3 Claims. (Cl. 173—358.)



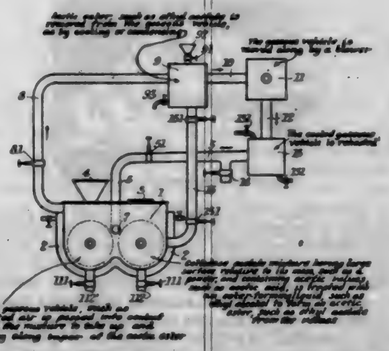
1. A lamp socket of the character described comprising a shell for receiving an electric lamp, a movable central contact member, a short circuiting member carried by the movable contact member, and means for causing said short circuiting member to contact with the said shell when the socket is empty, said short circuiting member having a resistance equal to that of the lamp to be received in the said shell.

1,536,333. TYMPAN SHEET FOR PRINTING PRESSES. SAMUEL E. DITTMAN, Chicago, Ill. Filed May 10, 1923. Serial No. 638,070. 14 Claims. (Cl. 154—54.5.)



4. A tympan sheet comprising a displacement space providing pattern of resilient material interposed between two sheets of tough fibrous paper impregnated with a moisture proofing material and conforming with and adhered to respective faces of the material.

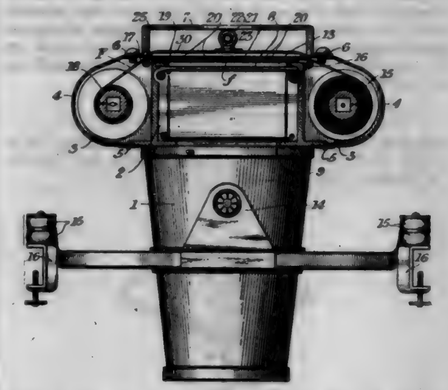
1,536,334. PROCESS OF RECOVERING ACETIC VALUES FROM A CELLULOSE-ACETATE MIXTURE. EDWARD S. FARROW, Jr., Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Apr. 10, 1924. Serial No. 707,775. 8 Claims. (Cl. 260—107.)



1. In that process of making cellulose acetate which includes the recovery of acetic values from a cellulose acetate mixture in a form having great surface relative to its mass, the steps of treating said mixture with an ester-forming liquid, which is a non-solvent of cellulose acetate and chemically inert with respect thereto, until an acetic ester is formed from said acetic values and said liquid, and recovering said ester from said mixture.

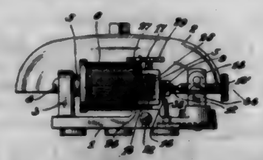
1,536,335. AIR-PRESSURE FILM HOLDER FOR AVIATION CAMERAS. WILLIAM F. FOLMER, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 9, 1922. Serial No. 605,991. 9 Claims. (Cl. 95—12.5.)

1. In an aerial camera, the combination with a film exposing chamber, of a plate against which a film may lie with the sensitive side in the focal plane, means for holding the film against the plate by air pressure and



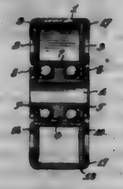
means associated with the first mentioned means for automatically controlling the force of the air pressure which holds the film flat.

1,536,336. CIRCUIT INTERRUPTER. GEORGE FUSSNER, Menominee, Mich., assignor to Signal Electric Mfg. Co., a Corporation of Michigan. Filed June 18, 1920. Serial No. 389,816. 14 Claims. (Cl. 175—345.)



1. In electromagnetic apparatus, in combination a base, a pivot pin carried thereby and at right angles thereto, an armature in a plane parallel to said pin, said armature having a pair of integral ears extending from opposite sides and near one end thereof, and at an angle to said armature, said pin extending through an opening in each said ear, and a coil spring encircling said pin and having one end fixed with respect to said pin and the other in the path of movement in one direction of said armature.

1,536,337. BALL-BEARING WHEEL. PERCY O. GIBSON, Kokomo, Ind., assignor to Kokomo Stamped Metal Co., Kokomo, Ind., a Corporation of Indiana. Filed May 19, 1924. Serial No. 714,371. 4 Claims. (Cl. 208—181.)



1. A wheel formed of sheet metal stampings with one of said stampings providing a wheel rim and a wheel web extending inwardly from one edge of the rim, a separate member forming one of the stampings and engaged with the rim adjacent the free edge of the rim, a third metal stamping in the form of a cylinder to

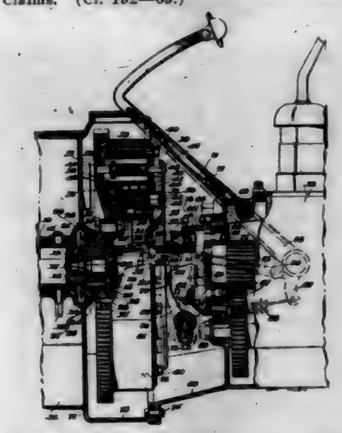
surround a hub of the wheel and extending across and secured to the web members of the wheel at a distance outwardly from the inner edges of the web members and concentric with the axis of the wheel, a hub member within the cylinder, and anti-friction members interposed between said cylinder and hub member and confined by the portions of the web members extending inwardly of said cylinder adjacent the ends thereof.

1,536,338. WIRE CONNECTER. PAUL GLAMZO, New York, N. Y. Filed July 24, 1924. Serial No. 727,887. 4 Claims. (Cl. 173—269.)



1. A wire connecter of the class described, formed of a yielding flat blank having an apertured circular portion and an extension therefrom in a plane with the circular portion, said extension having a pair of spaced raised portions, each of said raised portions having an inwardly directed lug for engaging a wire inserted between the raised portions and retaining it against the extension on which the raised portions are formed.

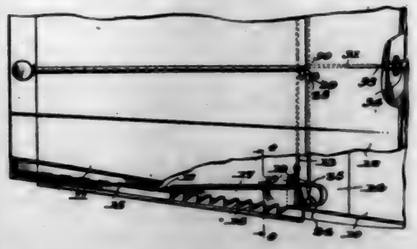
1,536,339. POWER-TRANSMISSION MECHANISM. EARL G. GUNN, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 8, 1920. Serial No. 394,673. 17 Claims. (Cl. 192—69.)



8. In combination, a transmission case, a transmission shaft having a bearing therein, a clutch member secured to said shaft, clutch shifting mechanism including a thrust bearing, means for conducting lubricant from said case to said shaft bearing and from said shaft bearing to said thrust bearing, and means secured to said transmission case and surrounding said thrust bearing for confining the lubricant thereto.

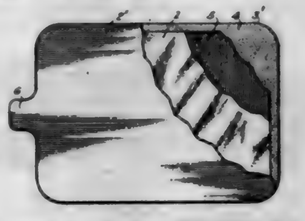
14. In a clutch mechanism, the combination of a two-part driving member one of which parts has clutch ring teeth, means detachably connecting the parts of said driving member rigidly together, a driven member having clutch ring teeth, clutch rings disposed between said clutch members for transmitting motion from one to the other and having sliding engagement with the teeth of said members, and mechanical means independent of the driven member, for operating said clutch rings.

1,536,340. MOTOR VEHICLE. JACOB HAMMERL, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 25, 1919. Serial No. 326,157. 7 Claims. (Cl. 98—22.)



1. In a motor vehicle, a pivoted hood having forwardly opening side louvers, a dash having an opening therein and a conduit for conducting the air admitted through said louvers to the opening in said dash.

1,536,341. DENTAL X-RAY-FILM PACKAGE. MILLARD B. HODGSON, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed July 14, 1920. Serial No. 396,188. 12 Claims. (Cl. 250—34.)

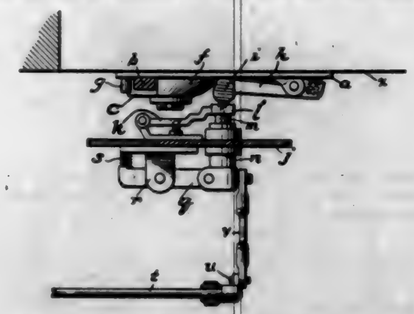


1. In a dental X-ray package, a sheet of sensitized material, a flexible protective sheet of larger dimensions than said sensitized sheet upon one side thereof, a flexible cover sheet of material on the opposite side of the sensitized sheet and having at its margins a coating of adhesive material and also of larger dimensions than said sensitized sheet, the margins of said protective and cover sheets extending beyond the edges of the sensitized sheet and there joined by such adhesive continuously around and outside of the entire periphery of the sensitized sheet and constituting the only means for holding the package closed and light light.

1,536,342. INTERLOCKING DEVICE FOR ELEVATORS. FRANK C. HOLBERG, Jr., Philadelphia, Pa.; Elizabeth Holberg executrix of said Frank C. Holberg, jr., deceased. Filed Feb. 26, 1923. Serial No. 621,198. 5 Claims. (Cl. 187—49.)

3. Elevator interlocking mechanism comprising, in combination with an elevator shaft, including a landing and a gate therefor, and a car, a shoe carried by the shaft by and adapted to be advanced on the opening of the landing gate, a shoe carried by the car and adapted to be retracted by the shaft shoe when the car is opposite a landing, a controller on the car, a locking bar, a keeper on the controller adapted to receive an end of the

locking bar, when the controller is in neutral position, to lock the controller, means forming a connection between said car shoe and said locking bar whereby, when said car shoe is retracted by said shaft shoe, said locking



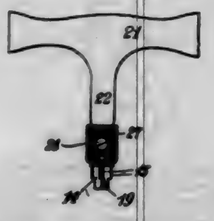
bar will be actuated to lock said controller, and means forming a connection between said controller and said locking bar whereby when said controller is moved to running position said car shoe will be retracted independently of said shaft shoe.

1,536,343. INTERLOCKING DEVICE FOR ELEVATORS. FRANK C. HOLBERG, Jr., Philadelphia, Pa.; Elizabeth Holberg executrix of said Frank C. Holberg, jr., deceased. Filed Aug. 27, 1923. Serial No. 659,466. 4 Claims. (Cl. 181—31.)



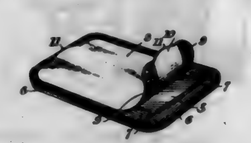
3. In an interlocking device for automatically controlled electric elevators in combination with a shaft, provided with a landing and a gate therefor, and an elevator car, a shoe at the landing adapted to be advanced on the opening of the door, a shoe on the car adapted to align with the landing shoe, when the car is on a level with the landing, and be retracted by the landing shoe when the gate is opened, a cut-off switch on the car, a solenoid, and a toggle affording connection between said car shoe, said cut-off switch and said solenoid, said solenoid being so connected as to receive current when the car is operated and effect a retraction of said car shoe and to be cut off when the car is stopped, permitting the car shoe to advance to a position for retraction by said landing shoe, on opening of the gate, to actuate said cut-off switch to cut off current from the car.

1,536,344. PRINTER'S QUOIN KEY. EDWARD P. HULSE, Westfield, N. J., assignor to American Type Founders Company, a Corporation of New Jersey. Filed Sept. 23, 1924. Serial No. 739,240. 7 Claims. (Cl. 254—40.)



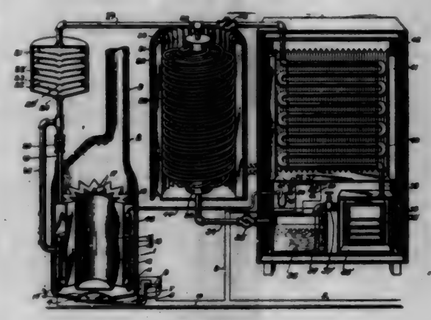
5. As a new article of manufacture, a printer's quoin key comprising a stem, a handle for operating the key, a key peg having a pinion portion and a square portion integral therewith, either of which portions is adapted to be used as a key for operating printers' quoins, jaws formed in the said stem for clamping the key peg therein, means in said stem for placing the peg therein in a predetermined position irrespective of which portion of the key peg is to be used as a key and a nut for clamping said jaws around the said key peg.

1,536,345. DENTAL X-RAY-FILM PACKAGE. JOHN G. JONES and HAYWOOD G. DEWEY, Rochester, N. Y., assignors to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 29, 1921. Serial No. 504,179. 4 Claims. (Cl. 250—34.)



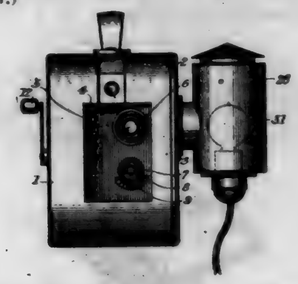
1. An X-ray film package comprising a sheet of sensitized material, a light proof wrapper therefor, and a flexible sealing sheet for said wrapper, said sealing sheet along two opposite margins only having strips of adhesive by which it is attached to the wrapper and holds the latter closed, and having between said strips a central area free from adhesive extending from end to end of said sheet and the non-adherent end edges thereof constituting means by which the sheet may be manipulated.

1,536,346. REFRIGERATING SYSTEM. CECIL G. KERTON, Jackson, Mo. Filed July 30, 1921. Serial No. 488,553. 3 Claims. (Cl. 62—5.)



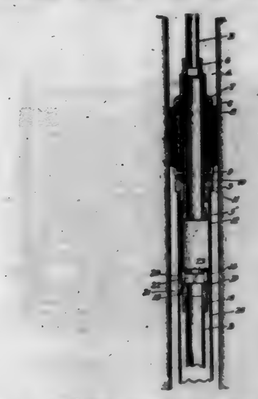
1. A refrigerating system comprising a thermal generator consisting of a liquid container having corrugated walls to provide the maximum radiating surface, a valved pipe leading from the chamber, a by-pass pipe connected to the valved pipe beyond the valve and communicating with the liquid container, a moisture separator connected to the valved pipe beyond the valve, a condenser, a conduit connecting the condenser and moisture separator, a receiver, a valved pipe connecting the condenser with the receiver, an evaporator coil connected to the receiver at one end and communicating at the other end with the pipe which connects the moisture separator to the condenser, a check valve in the evaporator coil opening in the direction of the moisture separator, a heater for the chamber, and means operable in response to changes in temperature within the chamber for causing the heater to become effective and ineffective and for causing air to cool the chamber when the heater is ineffective.

1,536,347. APPARATUS FOR TAKING AND PROJECTING MOTION PICTURES. FRANK W. LOVEJOY, Rochester, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 26, 1922. Serial No. 609,094. 8 Claims. (Cl. 88—17.)



1. In an apparatus for taking and projecting motion pictures, an exposure gate and a projection gate, a movable shutter having a position in front of said projection gate to exclude light therefrom, means whereby the projection gate may be illuminated, said illuminating means and said shutter having cooperative means whereby the shutter is moved from its normal position when the illuminating means is rendered operative.

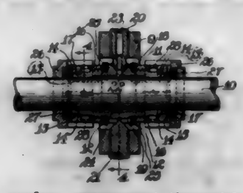
1,536,348. GAS-ESCAPE VALVE FOR OIL WELLS. PATRICK H. MACK, Bradford, Pa., assignor to Oil Well Supply Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 20, 1921. Serial No. 523,620. 2 Claims. (Cl. 103—202.)



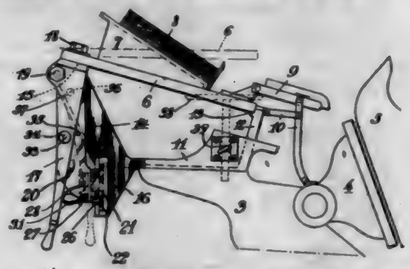
1. A gas-escape valve for wells comprising a body having a central opening therethrough and having a reduced upper portion which is threaded exteriorly, a downwardly extending reduced portion threaded for connection with tubing, a conical shoulder between the reduced lower extension and the body, a gas passage from the shoulder to the central opening, and an inwardly opening check valve in the passageway.

1,536,349. SHAFT BEARING. HARRY A. MIKKELSEN, Chicago, Ill., assignor to Bell & Howell Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 19, 1922. Serial No. 530,352. 5 Claims. (Cl. 64—55.)

1. A shaft bearing including a bored gearing member having a solid bore portion and an adjoining end bore portion provided with a plurality of longitudinally extending radial slots spaced about the bearing axis and forming a plurality of bearing segments, and a second bored member surrounding said end portion and having a screwthreaded engagement therewith at the inner portion thereof and an axially extending outwardly reducing taper surface engagement therewith at the outer portion thereof for radially adjusting and maintaining the segments.

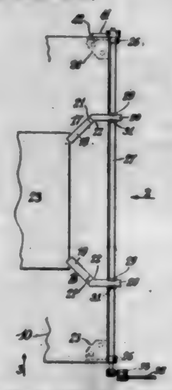


1,536,350. PRINTING MACHINE. LEWIS E. MORRISON, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed Dec. 18, 1923. Serial No. 681,318. 6 Claims. (Cl. 101—287.)



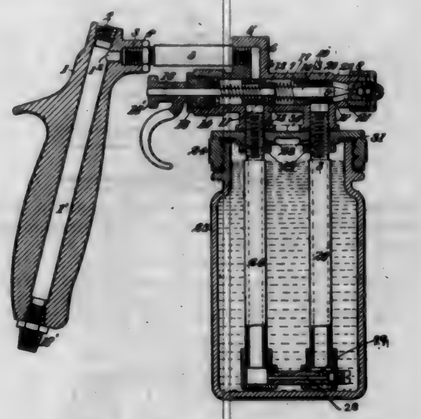
1. The combination with a printing press, of a paper feeding mechanism therefor, a member secured in sliding relationship to said press, means for mounting said mechanism on the said member and means for sliding the latter to one side of the press to remove said mechanism from operative relationship to the press.

1,536,351. SHEET-HOLDING DEVICE FOR PRINTING PRESSES. LEWIS E. MORRISON, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed June 5, 1924. Serial No. 717,957. 6 Claims. (Cl. 101—408.)



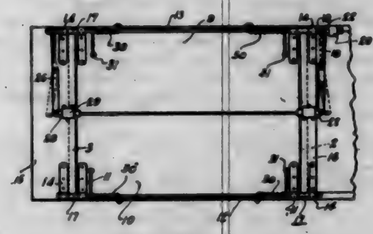
1. The combination with a press including a platen having a cycle of movement from a sheet receiving position to a printing position, of sheet holding resilient fingers pivoted on said platen for momentarily holding the delivery edge of the printed sheet against the platen while the latter is in its sheet receiving position and means for operating said fingers.

1,536,352. SPRAYING APPARATUS. JOHN D. MURRAY, San Francisco, Calif. Filed Apr. 22, 1924. Serial No. 708,189. 4 Claims. (Cl. 91—45.)



1. An air brush including a container for the material to be applied, an air pipe leading to the bottom thereof, an open ended material discharge pipe extending to the bottom of the container, and into the lower open end of which the air pipe discharges, a body to which the container is detachably secured, the body provided with a discharge orifice and further provided with a mixing chamber within which the material discharge pipe connects, a valve for controlling the discharge orifice, an air supply, and a secondary valve carried by the main valve for controlling the admission of air directly into the mixing chamber and into the air pipe.

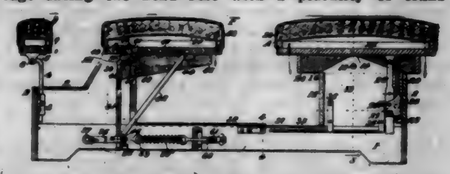
1,536,353. TOY DUMP WAGON. ORLAND F. PARKS, Birmingham, Ala. Filed Oct. 18, 1923. Serial No. 669,332. 3 Claims. (Cl. 298—35.)



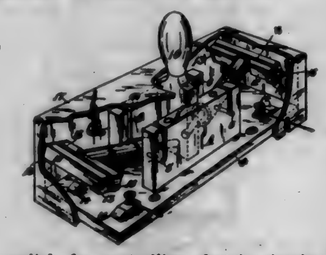
1. A dump wagon comprising a body having hinged downwardly opening bottom doors which abut when closed, latch means at the middle of each end of the body to hold the doors in closed position, and mechanism to simultaneously operate said latch means, comprising spring-pressed levers extending to one side of the body and an axially movable side rod associated with means to simultaneously move the levers in opposite directions.

1,536,354. CHIROPRACTIC TABLE. CHARLES A. PHILLIPS, San Francisco, Calif. Filed Jan. 23, 1923. Serial No. 614,361. 2 Claims. (Cl. 128—72.)

1. A chiropractic table including a base, a legs support at one end thereof, a head rest at the other end thereof, a chest support positioned between the head rest and legs support, the latter including a frame pivotally mounted to swing on a horizontal axis, the frame including a cushioned bottom board provided at its edge facing the head rest with a plurality of transversely disposed sections, and means for hingedly connecting the sections to swing downwardly on a horizontal axis.

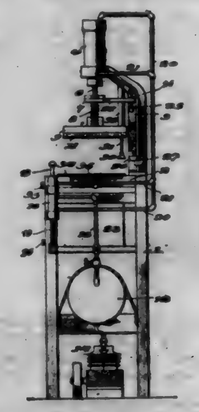


1,536,355. SWITCH FOR CONTROLLING ELECTRIC CIRCUITS. WILLIAM JACOB PRITCHETT, Sydney, New South Wales, Australia. Filed Sept. 3, 1921. Serial No. 498,458. 2 Claims. (Cl. 200—114.)



1. A switch for controlling electric circuits comprising a base of non-conducting material, parallel brackets on said base, a pair of obliquely positioned spring cushioned telescopic lever contact arms pivoted and movable between said brackets and having cross members with separate contacts, fuse wires bridging said contacts, contacts and terminals on said base and an intermediate operating handle for oscillating the contact arms into and out of engagement with the contacts.

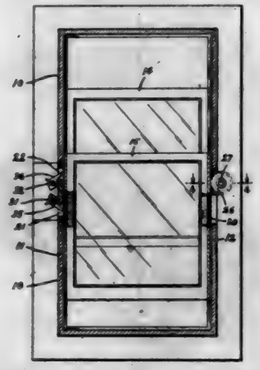
1,536,356. PHOTOGRAPHIC PRINTER. JULIAN A. RAMSEY, Washington, Pa., assignor, by direct and mesne assignments, to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 28, 1921. Serial No. 481,071. 10 Claims. (Cl. 95—73.)



8. A photographic printer, comprising a printing panel, a platen movable into printing position on said panel and from said panel to clearance position, means, including a source of power, for moving said platen to printing

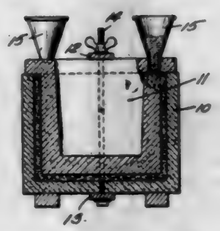
position, holding it in said position, and removing it to clearance position, and control means, which is connected to said first named means, and the actuations of which are governed by the operator, said control means upon successive actuations by the operator governing said first named means to move the platen to said printing position, retain it during the will of the operator in said position, and remove it to clearance position.

1,536,357. WINDOW CONSTRUCTION. SAMUEL SIMONOVITZ, New York, N. Y. Filed Mar. 11, 1924. Serial No. 698,427. 8 Claims. (Cl. 20—52.)



1. A window construction of the class described comprising a sash frame, sashes mounted to move vertically in said frame, strips for retaining said sashes in predetermined position and for guiding the same in their movement and whereby the removal of a predetermined number of said strips will permit of the removal of said sashes, means involving gear and rack constructions for retaining the sashes in predetermined positions of adjustment, manually operated means for locking the separate sashes in predetermined positions, said last named means comprising the racks on said sashes, and pawls pivotally mounted in the frame and cooperating directly with said racks.

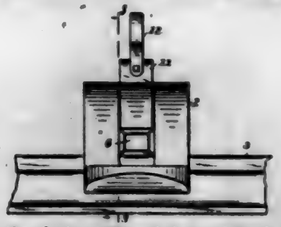
1,536,358. PROCESS OF CASTING POTTERY. ALFRED E. STACEY, Jr., Essex Fells, N. J., assignor to Carrier Engineering Corporation, Newark, N. J. Filed Mar. 24, 1924. Serial No. 701,410. 7 Claims. (Cl. 25—156.)



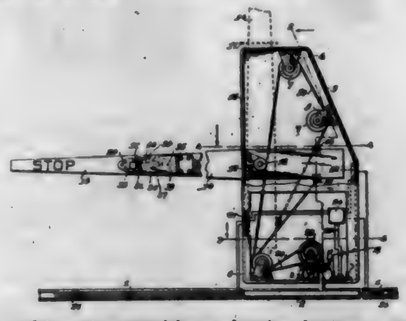
1. The hereindescribed process of casting pottery which consists in using a fluid slip which is heated to a temperature higher than natural temperatures, and casting the heated slip into the desired shape.

1,536,359. RAIL OR TRACK CLAMP. JOHN H. STEVENS, Sandusky, Ohio. Filed Apr. 17, 1922. Serial No. 553,317. 2 Claims. (Cl. 294—116.)

1. In a device of the above described character, a pair of substantially U-shaped jaws, one of said jaws provided with an extension on its upper end, a second jaw member provided with a vertical opening, said extension on the first mentioned jaw adapted to extend therethrough, and means for causing the jaws to firmly grasp the web of a rail.

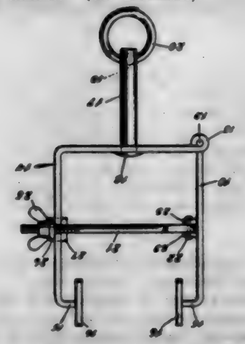


1,536,360. AUTOMATIC RAILROAD GATE. WILLIAM C. STEWART, Kenosha, Wis. Filed July 24, 1922. Serial No. 577,086. 1 Claim. (Cl. 39—7.)



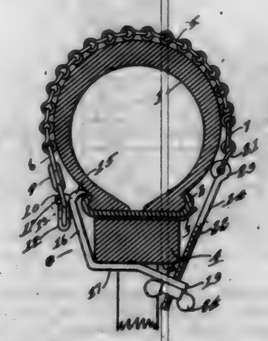
A safety gate comprising a housing having a gate opening extending from a point intermediate the ends of a side wall and terminating at a point intermediate the sides of the top wall, a drum arranged within said housing, sheaves connected with the other side wall, said top wall and the bottom of the housing and further arranged within the latter, a cable trained over said sheaves and winding on and off said drum, and a gate member pivotally connected intermediate its ends to that side wall provided with the opening, and means for operating said drum to raise and lower said gate member through said opening, said cable having its ends connected to said gate member in proximity to the inner end of the latter.

1,536,361. SUSPENSION CLAMP. IVAN R. TOMES, Mason City, Iowa. Filed Apr. 21, 1923. Serial No. 633,725. 6 Claims. (Cl. 248—64.)



8. A suspension clamp comprising a pair of pivotally connected members, suspension means depending from one member, an adjusting screw pivoted on one member, the other member having a notch in one edge thereof receiving said screw, and a hook mounted on the screw and engageable with the opposite edge.

1,536,362. EMERGENCY ANTISKID DEVICE. BENJAMIN F. TRANER and HARRY A. KNOX, College Place, Wash.; said Knox assignor to said Traner. Filed Apr. 16, 1923. Serial No. 632,264. 4 Claims. (Cl. 152—14.)



1. An emergency anti-skid device comprising equi spaced transverse chains, longitudinally disposed bars attached to each end of said chains, and forming with said chains a unit, a hook plate attached to said unit and engageable with the rim and felly of a wheel, and a bolt attached to said unit and engageable with said hook plate.

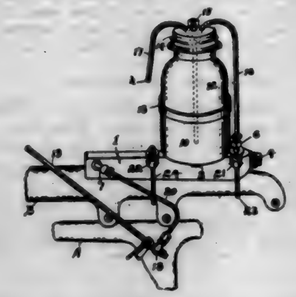
1,536,363. SCREEN OR RIDDLE CLEANER. CHARLES W. WARE, Rosendale, Mo. Filed Sept. 6, 1923. Serial No. 661,218. 3 Claims. (Cl. 130—15.)



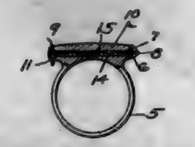
1. Apparatus of the character described, comprising a reciprocating screen, an endless conveyor device traveling parallel with said screen, a brush carried by said conveyor device in engagement with the screen, and means actuated by the movement of the screen for producing intermittent travel of said conveyor device.

1,536,364. MOTOR HUMIDIFIER. CHARLES M. WILCOX, Cedarville, Ohio. Filed Apr. 6, 1922. Serial No. 550,248. 1 Claim. (Cl. 123—25.)

In combination with the intake manifold and the exhaust manifold of an explosive engine, an elongated body member fitted around the upper portion of the exhaust manifold and extending parallel therewith and having a chamber therein, means for detachably securing said body member to the exhaust manifold, a water container secured on top of said body member, a removable closure for the top of said container, a pipe leading from the closure and communicating with the upper part of the interior of the container and extending to the interior of said chamber in the body, a second pipe leading from the atmosphere through said closure and terminating near the bottom of the container, a pipe leading from said chamber in the body into the interior of the intake manifold, a throttle for controlling the flow through the last mentioned pipe, and a safety valve in said closure and communicating with the interior of the container.

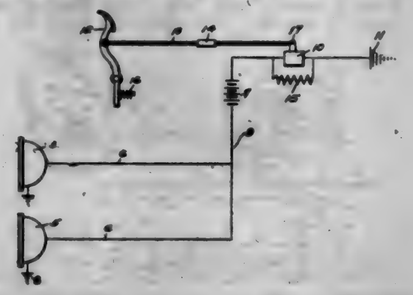


1,536,365. COMBINED RING AND READING GLASS. CARL M. WISEMAN, Louisville, Ky. Filed Dec. 30, 1922. Serial No. 609,880. 1 Claim. (Cl. 63—1.)



In combination a ring, a plate carried thereby forming an enlargement at one side of the ring, a backing surface made in imitation of a cut stone secured to said plate, a reading glass comprising a lens hinged to said plate to be folded down thereover so that the surface in imitation of a cut stone may be viewed through the lens of the reading glass and said lens being of such a nature as to magnify when the user looks from that side of the lens which is toward the plate when the reading glass is in closed position said lens being of such area as to permit of its use as a reading glass.

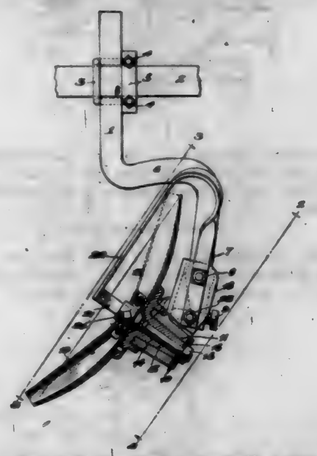
1,536,366. AUTOMATIC HEADLIGHT-DIMMING ATTACHMENT FOR AUTOMOBILES. CARL M. WISEMAN, Louisville, Ky. Filed Jan. 11, 1924. Serial No. 685,608. 3 Claims. (Cl. 171—97.)



1. The combination with an automobile, its headlights and an operating pedal of the same having an electric circuit in which said lights are included, a switch in said circuit and through which said circuit is completed when the switch is in closed position, a dimmer coil op-

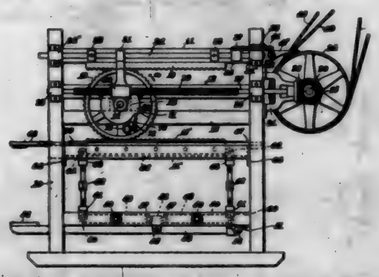
erative when said switch is in open position and a connection between said pedal and said switch, the switch comprising two circuit completing positions one of which is operative when pressure upon the pedal is released and the other of which is operative when pressure is vigorously applied to said pedal, said switch occupying an open position between these two points.

1,536,367. ATTACHMENT FOR CULTIVATORS. FERDINAND WULFF, Erwin, S. Dak. Filed Apr. 26, 1923. Serial No. 634,686. 3 Claims. (Cl. 97—53.)



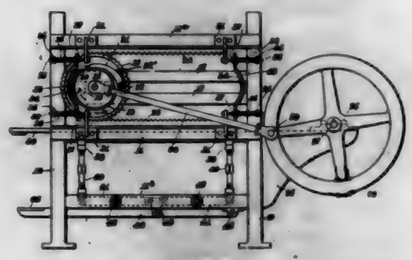
1. In a plow disk mounting, a supporting arm, a foot, an extension on the foot having spaced side walls open at their front and top portions and having a connecting back wall, said arm extending downwardly through the open top of the extension and in the space between the side walls thereof and having a rear edge inclined downwardly and outwardly relative to and engageable with the back of the extension, a bolt pivotally connecting the arm to the extension and disposed adjacent to the upper end of the extension, a screw arranged below the bolt and threaded through the lower end of the arm and having its inner end bearing against the lower end of the said back wall of the extension and its outer end projecting outwardly beyond the front edges of the side walls, and a disk carried by the foot.

1,536,368. LEATHER-GRAINING MACHINE. JOHN WILLIAM AULSON, Lynn, Mass. Filed May 18, 1923. Serial No. 639,829. 12 Claims. (Cl. 149—17.)



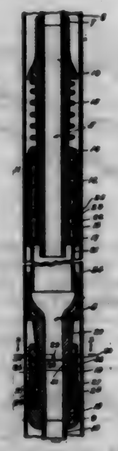
1. In a machine of the class described, a hide support consisting of a rigid table supported at opposite ends and fixed as to end movement; guides above and parallel to said support; blocks reciprocable lengthwise of and between said guides; a shaft mounted in bearings in said blocks; screw mechanism for reciprocating said blocks; a drum secured to said shaft and adapted to coact with material on said support; and positive means for rotating said drum during its reciprocation with said blocks.

1,536,369. LEATHER-GRAINING MACHINE. JOHN W. AULSON, Lynn, Mass. Filed Dec. 27, 1923. Serial No. 682,916. 8 Claims. (Cl. 149—17.)



1. In a machine of the class described; a hide support; guides parallel with said support; a drum reciprocable on said guides; means for imparting a half revolution of said drum during its movement in one direction and completing the rotation during its movement in the opposite direction; and brake mechanism for stopping the rotation of the drum at a predetermined point at the end of its movement in either direction.

1,536,370. OIL-WELL PACKER. HARRY E. BECKER, Brea, Calif., assignor to Regan Forge and Engineering Company, Inc., San Pedro, Calif., a Corporation of California. Filed Mar. 7, 1923. Serial No. 623,554. 3 Claims. (Cl. 166—11.)



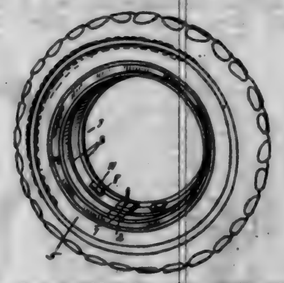
1. A well packer, comprising a tubular member having a clutch mechanism mounted thereon, a conical shaped tubular member telescoped within said first mentioned tubular member, a resilient packing gasket surrounding the conical shaped tubular member and resting upon said first mentioned tubular member, and a coiled spring mounted on the conical member and bearing against the packing gasket to return the same to an unexpanded condition after a packing operation.

1,536,371. ART PRODUCT AND METHOD OF FORMING THE SAME. EILEEN P. BLOCK, Plymouth, Mich. Filed Apr. 10, 1923. Serial No. 632,381. 9 Claims. (Cl. 41—24.)



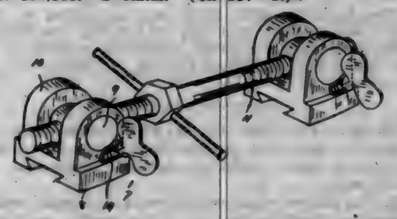
1. The method of forming art products which consists in carving a bar or cake of soap to form undercut portions standing in relief, and in coating portions of the surface with pigments to render the same more opaque.

1,536,372. DEMOUNTABLE RIM. WILLIAM N. BOOTH, Detroit, Mich. Filed Aug. 27, 1921. Serial No. 495,930. 2 Claims. (Cl. 301—31.)



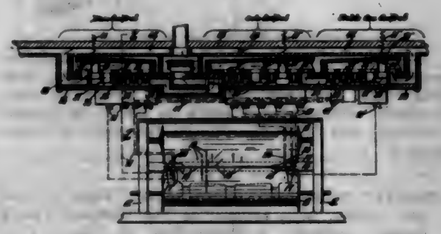
1. In a demountable rim, the combination with a transversely split main section having its ends adapted to be moved away from or toward each other, and plates secured to said ends having undercut sides for detachable engagement with an expanding and contracting tool, of a filler section insertable between said ends, the outer periphery of said filler section corresponding substantially to that of said main section, and the end bearing surfaces of said filler section and main section slightly diverging outwardly from lines passing through said end bearing surfaces and extending parallel to the radius of said rim passing through the peripheral center of said filler section.

1,536,373. DEVICE FOR EXPANDING AND CONTRACTING DEMOUNTABLE RIMS. WILLIAM N. BOOTH, Detroit, Mich. Filed Sept. 3, 1921. Serial No. 498,318. 1 Claim. (Cl. 157—1.)



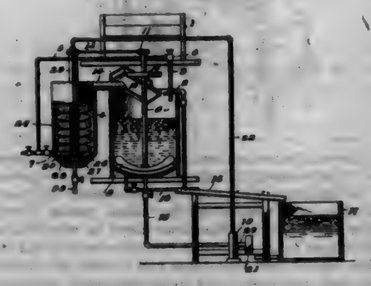
In a rim expanding and contracting tool, the combination with a pair of anchors detachably engageable with members having undercut side edges and recesses, said members being secured to a transversely split rim section near its ends, said anchors having their lower faces of substantially the same radius of curvature as the rim section and having dove-tailed channels for detachable engagement with said members, means upon said anchors for holding the same in fixed peripheral adjustment upon said members, said means including threaded members upon said anchors engageable in the recesses of said members, transversely extending pivots journaled in said anchors, and a rod secured to one of said pivots and threadedly engaging the other for moving the anchors away from or toward each other.

1,536,374. VALVE MECHANISM FOR EXPRESSION-CONTROLLING DEVICES OF MUSICAL INSTRUMENTS. THEODORE P. BROWN, Worcester, Mass., assignor to Simplex Player Action Company, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 14, 1922. Serial No. 600,858. 13 Claims. (Cl. 84—39.)



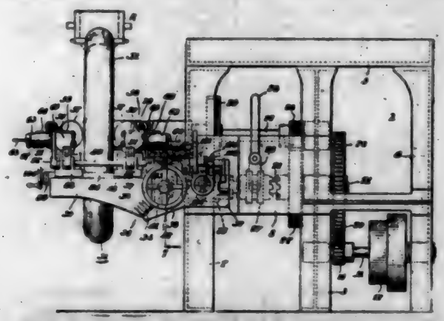
1. A valve mechanism for expression-controlling devices for musical instruments having wind chests provided with conduits extending into them, said conduits being of different sizes and capacities and presenting valve seats at their inner ends, and diaphragm pneumatics of correspondingly different sizes and capacities, positioned upon the opposite wall of said wind chests and constituting valves cooperating with said valve seats.

1,536,375. APPARATUS FOR AMALGAMATION. MAY KRUMP CODDING, San Francisco, Calif. Filed Apr. 1, 1920. Serial No. 370,434. 3 Claims. (Cl. 83—67.)



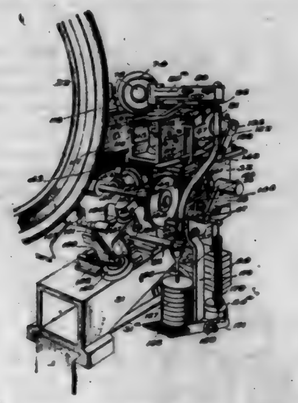
1. Apparatus for treating ore comprising a mixing tank for pulping ore with aqueous liquids and amalgamator in connection with the tank, said amalgamator comprising a main receptacle, pulp feeding means near the bottom thereof, means for maintaining a column of pulped material in said main receptacle and surrounding said pulp feeding means, a bath of mercury covering the lower end of the said column maintaining means, and means for removing pulp immediately after its passage through the mercury.

1,536,376. TIRE-MAKING MACHINE. JOHN J. CONVERY, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, a Corporation of Ohio. Filed July 27, 1914. Serial No. 853,386. 314 Claims. (Cl. 154—10.)



1. A tire-making machine including a support, a fabric-manipulating device carried thereby and having both longitudinal and angular movements, means for automatically actuating said device to effect its angular movement, and means for restoring the device to normal position.

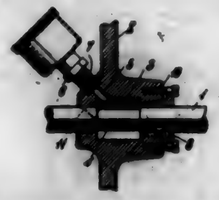
1,536,377. TIRE-MAKING MACHINE. JOHN J. CONVERY, Akron, Ohio, assignor to The Goodyear Tire & Rubber Company, a Corporation of Ohio. Filed Aug. 10, 1914. Serial No. 856,020. Renewed Aug. 13, 1923. 212 Claims. (Cl. 154—10.)



1. A tire-making machine including a tire-core structure, a fabric-manipulating structure, power-operated means for effecting an advancing movement of one of the structures in relation to the other, power-operated means for effecting a receding movement of the advanced structure away from the other, fabric-pressing members carried by one of said structures and having an engaging relation with the other, and power-operated means for actuating said pressing-members both toward and away from the core structure.

1,536,378. LUBRICATING STUFFING BOX. FRANCIS S. CRAVEN, Washington, D. C., assignor to The Government of the United States. Filed Aug. 17, 1920. Serial No. 404,277. 2 Claims. (Cl. 286—8.)

1. A stuffing box of the above character comprising a casing wall having a recessed part, a shaft passing therethrough having a recessed part coincident with the first mentioned part thereby to form a chamber, means for conducting a lubricant to said chamber, and removable means closing one end of said chamber, said wall of the

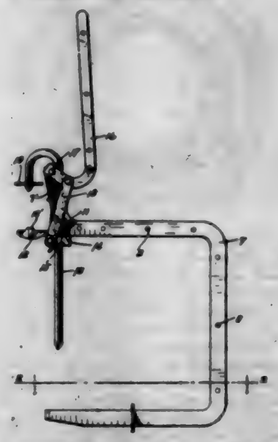


casing being provided with a leak-off groove extending along the shaft on the exterior side of the wall to indicate visually that the chamber is filled with lubricant.

1,536,379. CHEMICAL PRODUCT. CHARLES DICKENS, Oakland, Calif. Filed Feb. 19, 1924. Serial No. 693,902. 4 Claims. (Cl. 167—6.)

1. A chemical product comprising a barium-sulphoselenide.

1,536,380. SPRING COMPRESSOR. ROY D. DOUGLASS, Minneapolis, Minn. Filed Feb. 20, 1924. Serial No. 694,022. 1 Claim. (Cl. 29—80.3.)



A spring compressor comprising a three-sided yoke formed at its lower portion with spring prongs provided with spring-engaging flanges, the upper portion of said yoke being extended upward, a lever pivoted to the upper extensions of said yoke, a guide block rigidly secured to the upper portion of said yoke, a rod slidable through said guide block, a spring-engaging arm projecting from said guide block, said rod having an offset end overlying said arm and cooperating therewith to compress a spring, a collar adjustably secured to said rod, and a link connection between said collar and said lever.

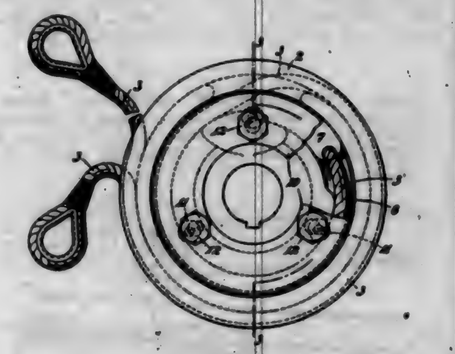
1,536,381. PROCESS OF MAKING IRON AND CEMENT. EDWIN C. ECKEL, Washington, D. C. Filed Jan. 24, 1924. Serial No. 688,349. 3 Claims. (Cl. 75—14.)

1. The process of producing iron and alumina cement, comprising fusing a mixture of iron bearing ore low in silica and calcareous materials in such proportions that the resulting slag will contain a relatively high proportion of alumina and less than 15% of silica, separating the reduced metallic iron and the slag, and cooling and grinding the latter.

1,536,382. PROCESS OF MAKING IRON AND CEMENT. EDWIN C. ECKEL, Washington, D. C. Filed Mar. 1, 1924. Serial No. 696,395. 2 Claims. (Cl. 75—14.)

1. The method of making cement and iron, comprising charging into a furnace calcareous, aluminous and ferruginous materials in such proportions as to constitute a charge containing after loss of its volatile constituents, not less than 25 nor more than 55% of lime, or of lime and magnesia together, not less than 25 nor more than 50% of alumina, nor more than 10% of silicia, and not less than 10% of iron oxide, fusing such a charge to the point of complete melting of all its constituent raw materials, in a blast or electric furnace, allowing sufficient time for separation of the reduced metallic iron and the lighter cement-forming compounds, tapping off the iron and the cement-melt separately, and grinding the latter to powder.

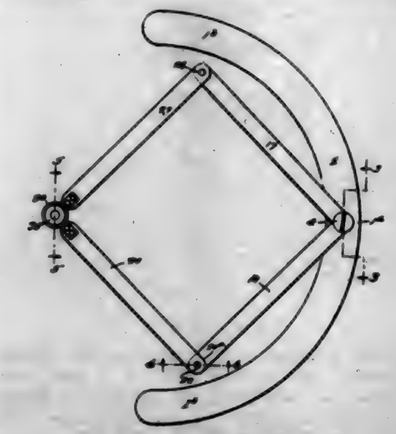
1,536,383. MEANS FOR ATTACHING ROPES OR CABLES TO WINDING DRUMS. ARTHUR GORDON FRENCH, Altrincham, England, assignor to Linotype and Machinery Limited, London, England, a Company of Great Britain. Filed Dec. 30, 1921. Serial No. 525,929. 7 Claims. (Cl. 254—150.)



1. The combination with a winding drum and a single cable adapted intermediate its ends to be coiled around it, of a substantially annular groove formed directly in each side face of the drum, openings in the periphery of the drum giving access to the cable from said periphery to the grooves, two rings adapted to partially enclose the grooves, and means securing one ring positively to each said side face one for tightly clamping and the other for loosely retaining parts of the cable intermediate its ends in the respective groove.

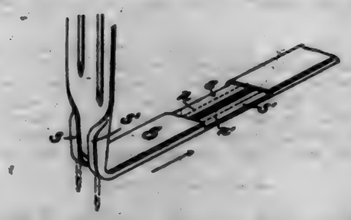
1,536,384. APPARATUS FOR CUTTING METALS. JOHN HARRIS, Lakewood, Ohio, assignor to The Harris Calorific Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 29, 1921. Serial No. 525,617. 2 Claims. (Cl. 266—23.)

1. In an apparatus of the character described, the combination of a base, a vertical stud carried by said base and having an anti-friction bearing, an arm mounted upon said bearing, a second anti-friction bearing on said stud above the first mentioned arm, an anti-friction bearing interposed between the portions of the arms mounted on said stud, a stud extending through the outer end of each of the first mentioned arms, a second pair of arms having their inner ends mounted upon the studs provided at the outer ends of the first mentioned pair of arms, respectively, anti-friction devices interposed between the outer ends of the first mentioned arms and the inner ends of the second mentioned arms, a hollow stud or sleeve extending through and connecting the outer ends of the second pair of arms, anti-friction



devices interposed between such connected ends, a head on said hollow stud or sleeve, and anti-friction devices interposed between said head and the upper surface of the end of the arm therebeneath.

1,536,385. SEWING MACHINE FOR FORMING CONCEALED STITCHES. JESSE J. HEAP, New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 24, 1919. Serial No. 325,827. 1 Claim. (Cl. 112—147.)



The combination of a work support, stitch forming mechanism including a plurality of needles, and devices cooperating therewith for forming connected lines of stitching, a feeding mechanism including a feed dog disposed and operated so as to feed the material being stitched toward the front of the machine, a presser foot cooperating with the feeding mechanism, and guiding means carried by the presser foot and adapted to receive short strips of fabric inserted in the guiding means in front of the needles, for folding rearwardly the side edge portions of said strip and for directing said side edge portions of the strip to the rear of the needles whereby the strip is fed forwardly from underneath the presser foot, and the stitch forming mechanism operates to connect the side portions by connected lines of stitching.

1,536,386. OPERATING AND RETAINING MEANS FOR PIVOTALLY-MOUNTED BODIES. GEORGE N. HENN, San Francisco, Calif. Filed Oct. 8, 1923. Serial No. 667,183. 5 Claims. (Cl. 296—84.)

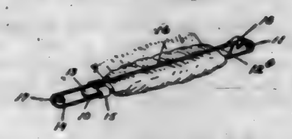
1. In combination with an open frame, a closure therefor pivotally mounted therein, means for operating the closure, including a segmental part fixed to the closure edge to extend transversely thereof, an operating

gear carried by the frame, and a recessed element carried by the segment with its ends projecting beyond opposite faces of the closure for engagement with the



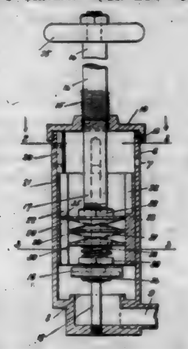
operating gear, whereby on the operation of said gear said closure is adapted for swinging on its fulcrum through the frame opening to either side.

1,536,387. HAIR CURLER. MARY L. HENRY, Jacksonville, Ill. Filed Apr. 21, 1924. Serial No. 708,026. 2 Claims. (Cl. 132—41.)



2. A device of the character described comprising a clamping member including a body member and a tongue connected by a loop portion, a keeper movably mounted on the body member and engageable with the tongue, the free end of the body member having a hole therein, and an arm having one end coiled and engaged within said hole and detachably connected with said loop portion.

1,536,388. LOCK FOR AIR VALVES. HORTON H. HOBBS, Alachua, Fla. Filed Sept. 16, 1924. Serial No. 738,042. 6 Claims. (Cl. 251—6.)



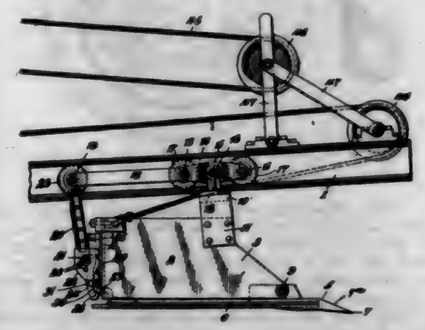
1. The combination, with a casing having a valve seat at one end, of a revoluble valve stem provided with a valve for closing the valve seat and having also means for moving it longitudinally in the casing, and a locking mechanism inclosed in the said casing and carried by it and the valve stem and operating to prevent the unauthorized use of the valve.

1,536,389. WIRE STRETCHER. NATHAN LEE HOWARD, Spokane, Wash. Filed Mar. 7, 1924. Serial No. 697,499. 2 Claims. (Cl. 254—163.)



1. A wire stretcher comprising a shank, a winding means at one end of the shank, a cable connected with the winding means, a bend in the shank intermediate the ends thereof, a plate extending from the end of the shank carrying the winding means along the shank to the bend therein and then curved outwardly in a direction opposite the bend in the shank and terminating in a sharp point for a penetrating contact with a post and a plate secured transversely to the shank and to the first named plate at a point on the shank near the bend therein, such plate having means for gripping a wire.

1,536,390. SKIMMER-SCOOP ASSEMBLY. ROBERT REX DOWNIN, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed June 27, 1921. Serial No. 480,717. 21 Claims. (Cl. 214—102.)

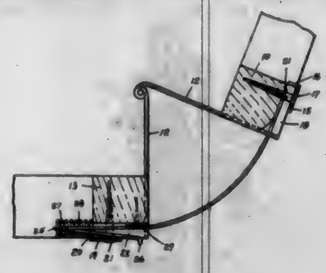


1. In an excavating machine, a boom, a scoop, and carrying means for the scoop adapted to move along the boom and comprising a plurality of connected carrying rollers, additional rollers spaced from and connected to the first named rollers and associated with the boom, all of said rollers being arranged in two rows, with the rollers of each row in the same longitudinal alinement and engaging respectively opposite sides of the boom, and a pivotal connection between the forward part of the scoop and the connected carrying rollers.

1,536,391. DOORCHECK. FLOYD K. EASTMAN, Kokomo, Ind., assignor to Concealed Door Check Company, Kokomo, Ind., a Corporation. Filed May 16, 1924. Serial No. 713,445. 4 Claims. (Cl. 16—86.)

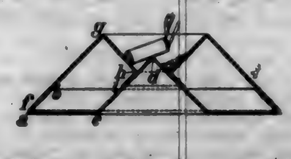
1. The combination with a body pillar and a door pillar hinged thereto, of a door check comprising a resilient wire member slidably mounted on the outside thereof, plates secured to the exterior surface of said pillars for supporting said wire member in slidable relation thereto,

and a resilient cushion member, said wire being bent intermediate its ends to provide a stop loop for limiting its relative movement with respect to one of said plates,



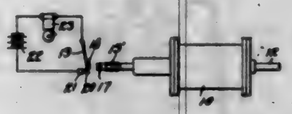
and bent at its free ends for receiving and maintaining the said cushion member in position against the other plate for absorbing the shock occasioned by the movement of the door pillar to its extreme position.

1,536,392. ASH TRAY. ANDRÉ JULES ACHILLE GIRAUD, Neuilly-sur-Seine, France. Filed Dec. 1, 1923. Serial No. 678,019. 1 Claim. (Cl. 131—51.)



In an ash tray, a vessel having a central projection and a side ledge, and a cover which encloses the said ledge and has a central crater terminated by an opening the edges of which fit on the projection of the vessel.

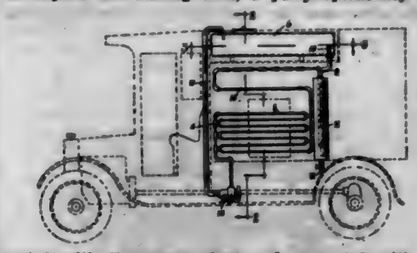
1,536,393. AUTOMATIC BRAKE. LUI F. HELLMANN and WILLIAM W. BAXTER, Indianapolis, Ind. Filed June 27, 1921. Serial No. 480,746. 2 Claims. (Cl. 303—1.)



1. In a fluid pressure brake system, a cylinder, a piston therein, said cylinder having an opening in its wall beyond the normal path of the piston, and means forming communication between said opening and a signalling device whereby an audible signal is given to the operator on over-travel of said piston, substantially as set forth.

1,536,394. REFRIGERATING APPARATUS. JAMES E. JOHNSTON, Detroit, Mich., assignor to Detroit Creamery Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 22, 1922. Serial No. 583,752. 2 Claims. (Cl. 62—101.)

2. A portable refrigerating apparatus comprising the combination with a vehicle having a power plant and a storage compartment having heat insulated walls, of a second compartment thereabove having heat insulated walls and separated from the first compartment, the said second compartment being provided with means to hold a supply of ice and brine, a settling tank in the storage compartment into which brine may flow by gravity from the brine tank of the second compartment, a series of coils in the storage compartment connected with the top of the settling tank, a pump operatively con-



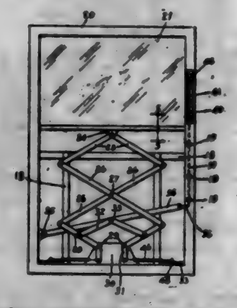
nected with the power plant and connected with the coils tending on operation to withdraw brine therefrom, and a discharge conduit for the pump discharging brine into the supply receptacle.

1,536,395. FREIGHT-CAR ROOF. GEORGE R. JOUGHINS, New York, N. Y. Filed Apr. 29, 1921. Serial No. 465,457. 5 Claims. (Cl. 105—54.)



1. In a freight car roof in which metal roof sheets form the only sheathing elements, the combination with the carline, of metal roof sheets forming therewith a flexible water-tight metal roof, each roof sheet passing across and beyond a carline and having a portion engaging under the further side of the carline.

1,536,396. WINDOW LIFTER. SOREN N. JUUL, Indianapolis, Ind. Filed Aug. 1, 1921. Serial No. 488,896. 2 Claims. (Cl. 268—4.)

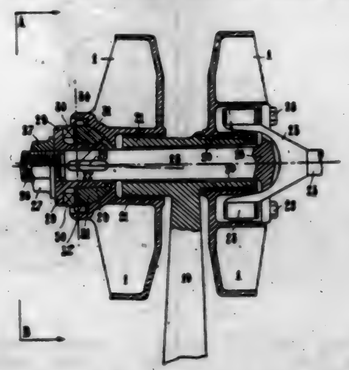


1. In a window construction the combination with a supporting frame including a channeled pillar, a window closure slidably supported by said frame, a lazy-tongs construction for elevating and lowering the window closure, of a pivotally supported lever connected to said lazy-tongs construction for actuating the same, a rod slidably supported within said pillar channel and connected to the lever for moving the same, and exposedly positioned manually operable means slidably supported on said frame pillar and connected to said rod therein whereby sliding movement of said manually operable means will actuate said lever.

1,536,397. DRIVEN AND DRIVING PULLEY. ADOLPHE KEGRESSE, Paris, France. Filed June 20, 1921. Serial No. 479,019. 3 Claims. (Cl. 74—21.)

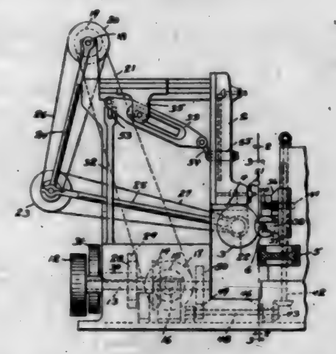
1. A pulley for belts of trapezoidal section, comprising two independent half-pulleys mounted for rotation about intersecting, inclined axes, said half-pulleys being

maintained in spaced relation to each other throughout their entire extent but inclined toward each other to grip the sides of the belt between them; mechanical means, other than the belt itself, for directly driving



one half-pulley from a motor; and a driving connection between said half-pulley and the other half-pulley embodying a spindle provided with a head having a set of inclined teeth thereon, and a set of inclined teeth on said other half-pulley coacting with the first set.

1,536,398. PROCESS OF DRESSING OR RE-FORMING GRINDING SURFACES. JAMES P. KEMP, Baltimore, Md. Filed Apr. 21, 1921. Serial No. 463,286. 6 Claims. (Cl. 125—11.)

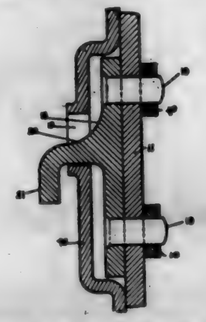


1. The process of dressing a grinding wheel to be used in accurate formation of irregular surfaces consisting of contacting with said grinding wheel while operating at its grinding speed a circular dressing medium positively operated at substantially the same mean speed of the overlapping surfaces.

1,536,399. PROCESS OF MAKING FELTED, FIBROUS, WATERPROOF SHEETS. LESTER KIRSCHBRAUN, Evanston, Ill. Filed July 18, 1918. Serial No. 245,470. 22 Claims. (Cl. 92—21.)

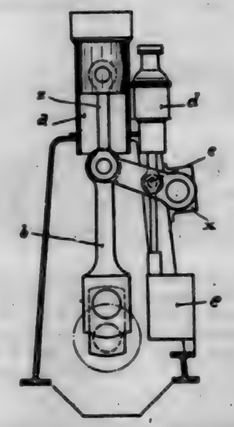
1. The process of making a felted water resistant sheet consisting in so treating a normally adhesive bituminous water proof binding medium as to render it non-adhesive, mixing it with a fibrous pulp in an aqueous vehicle, passing the mixture over a paper forming machine and felting the fibres, and drying the sheet to cause the binding medium to resume its adhesive condition.

1,536,400. ANNEALING BOX. EMANUEL LAVAGNINO, Elyria, Ohio, assignor to The Electro-Alloys Company, Elyria, Ohio, a Corporation of Ohio. Filed Feb. 8, 1923. Serial No. 617,709. 5 Claims. (Cl. 263—49.)



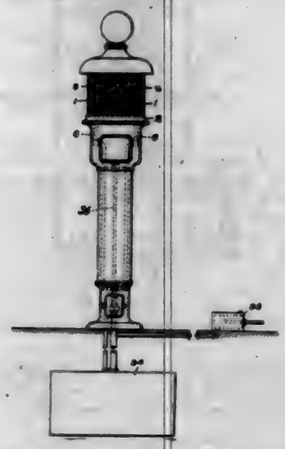
1. A fabricated cover for annealing boxes comprising a shell formed of heat resisting sheet alloy, brackets bolted to said shell, supporting members having a flanged end formed with said brackets, and a plurality of reinforcing and supporting frames formed in sections secured together around the outer wall of said shell, said frames having openings through which the flanged ends of said supporting members project when the supporting members are in engagement with one of the walls formed thereby.

1,536,401. AIR AND AUXILIARY PUMP ARRANGEMENT FOR MARINE DIESEL MOTORS. PROSPER L'ORANGE, Mannheim-Feudenheim, Germany, assignor to the Firm Motoren-Werke Mannheim, A. G., vorm. Benz Abt. Stationärer Motorenbau, Mannheim, Germany. Filed May 21, 1924. Serial No. 714,964. 1 Claim. (Cl. 123—197.)



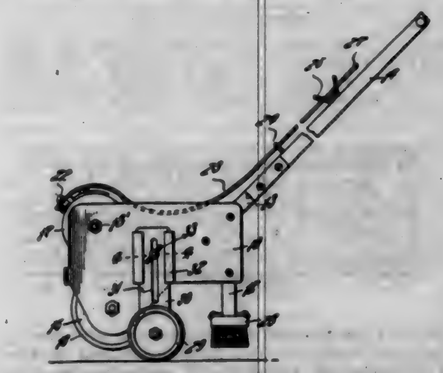
In an air and auxiliary pump arrangement for marine Diesel motors: the combination with two adjacent engine cylinders and an engine connection rod; of a common radius link by which said connection rod is adapted to be driven from said cylinders, and an air pump and a cooling and bilge pump respectively located vertically above and below a point on said radius link between its fulcrum and its point of connection with said engine connection rod and adapted to be directly driven from said radius link in upward and downward direction respectively, substantially as and for the purpose set forth.

1,536,402. LIQUID-DISPENSING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa., assignor to Springfield Manufacturing Company, Springfield, Ill., a Corporation of Illinois. Filed Feb. 16, 1922. Serial No. 536,892. 5 Claims. (Cl. 221—100.)



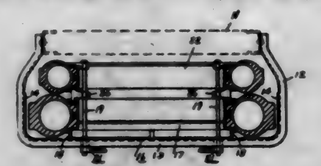
1. In liquid-dispensing apparatus the combination of a liquid reservoir, a measuring chamber, a conduit through which communication is had from liquid reservoirs to measuring chamber, a check valve in said conduit, an air-exhausting mechanism, a conduit through which communication is had from the measuring chamber to the air-exhausting mechanism and from the open air to the measuring chamber, a valve controlling alternate communication from said measuring chamber to the air-exhausting mechanism and from the open air to said measuring chamber and normally maintaining communication from the open air to the measuring chamber, a discharge orifice in the bottom of said measuring chamber, a spring-backed valve normally closing said orifice, and oscillatory means for shifting in alternation the valve controlling alternate communication as aforesaid and the valve in the discharge orifice of the measuring chamber.

1,536,403. OILING MACHINE. JOHN D. MCMILLAN, Bishop, Calif. Filed Aug. 25, 1924. Serial No. 734,104. 6 Claims. (Cl. 91—27.)



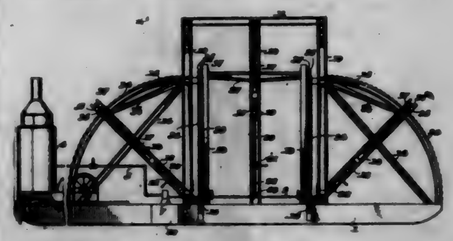
1. An oiling machine comprising a frame, an oiling roller supporting one end of the frame, a brush spaced from the roller and supporting the opposite end of the frame, a tank for supplying oil to the roller, means whereby the supply of oil may be regulated, a handle for the frame, wheels secured to the opposite sides of the frame and means whereby the wheels may be adjusted to support the machine independent of the roller and brush.

1,536,404. DOUBLE UNDERSLUNG TIRE CARRIER. WILLIAM H. NEELY, Detroit, Mich., assignor to Graham Brothers, Evansville, Ind., a Corporation. Filed Jan. 9, 1924. Serial No. 685,135. 1 Claim. (Cl. 224—29.)



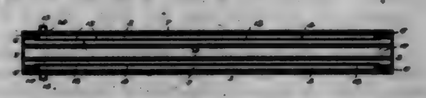
The combination with a vehicle frame, of a double tire carrier suspended therefrom and positioned directly beneath the same, comprising a supporting frame suspended from said vehicle frame, a clamping rod, a head mounted on said rod in position to extend between said tires for maintaining them in spaced relation with each other, a clamping member mounted on said rod in position to engage the upper tire and clamp it against the lower tire and frame for maintaining the same in fixed position, and a second rod having a clamping and supporting head thereon in position to engage and clamp said lower tire rigidly in said frame and providing a support for said upper tire in spaced relation thereto.

1,536,405. LAND-CLEARING MACHINE. GEORGE E. NELSON, Brooklyn, N. Y. Filed Apr. 10, 1924. Serial No. 705,617. 11 Claims. (Cl. 25—92.)



1. In a land clearing machine, the combination with skids, of columns carried thereby, jack screws for the columns, nuts slidable on, and guided by, the columns, said nuts being engaged and operated by the jack screws, independent power-operated motors carried by the skids, operative connections between the respective motors and the jack screws aforesaid, a beam supported by the aforesaid nuts, and means jointly controlling said motors, whereby they may be simultaneously operated.

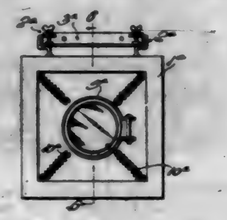
1,536,406. DRIER OR PREHEATER. ELLSWORTH P. OGDEN, Columbus, Ohio, assignor to John B. Owens, Zanesville, Ohio. Filed Nov. 3, 1920. Serial No. 421,543. 7 Claims. (Cl. 34—46.)



1. A drier or preheater of the tunnel type wherein the ware enters one end thereof and, after progressing therethrough, emerges from the other end thereof, hav-

ing interior metal or other heat-conducting walls and a chamber or space back of said walls, and means for delivering heated air to said space for the purpose of heating said walls.

1,536,407. TAIL-LIGHT SUPPORT. JOHN MORR PETTUS, Ontario, Calif. Filed Feb. 21, 1924. Serial No. 694,371. 1 Claim. (Cl. 240—90.)



A yieldable tail-light mounting comprising a continuous rim frame adapted to be secured to an automobile, a transversely split tail-light embracing collar within said frame, a bolt for drawing the ends of said collar together to contract the latter around a tail-light, and coiled tension springs connecting said collar with said frame, the tension of said springs acting to expand the collar when the bolt is loosened, permitting the tail-light to be easily inserted into or removed from said collar.

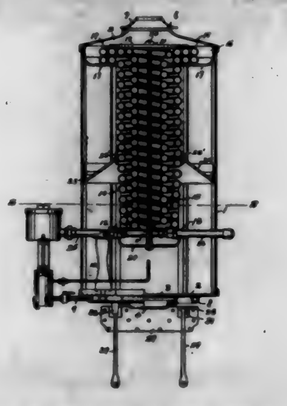
1,536,408. RING. LOUIS S. PINCK, Minneapolis, Minn. Filed Jan. 14, 1922. Serial No. 529,137. 2 Claims. (Cl. 63—17.)



2. An article of jewelry comprising, an engagement ring consisting of a circular band having a jewel mounting thereon arranged to hold a jewel centrally over the band thereby closing the face of the jewel mounting, said jewel mounting having a depression formed in the under face thereof at one side of said band to receive a circular ring against the band of the engagement ring, such portion of the circular ring being concealed by the mounting on the engagement ring.

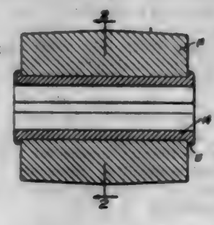
1,536,409. WATER HEATER. FRANK L. PUTNAM, Houston, Tex. Filed June 19, 1923. Serial No. 646,296. 3 Claims. (Cl. 122—250.)

3. A water heater including a housing, a single water conducting coil in the housing, formed of two series of turns, one series being located within the other, a top baffle plate located on the coil, said coil being widened at the top by the formation of additional turns, supporting means carried by the housing and extending underneath said widened portion, a fixed yoke into which the lower ends of the coil are connected, a clamp rod



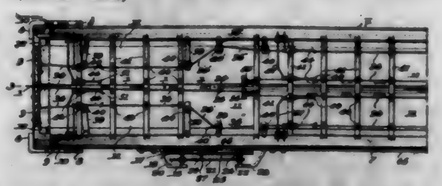
connected at its upper end to said baffle plate, a drip pan attached to the lower end of said rod beneath said coil, said rod being anchored to said yoke.

1,536,410. PULLEY. GEORGE O. ROCKWOOD, LOUIS C. MCANLY, and JOHN W. SKELLEY, Indianapolis, Ind., assignors to Rockwood Manufacturing Company, Indianapolis, Ind., a Corporation. Filed Feb. 6, 1923. Serial No. 7,258. 8 Claims. (Cl. 64—17.)



1. An article of the character described, including a fibre body, and a metal hub or bearing member cast therein so that the surface metal of said member will unit and bond with the adjacent surface of the fibre.

1,536,411. MACHINE FOR FETTLING FLOOR AND WALL TILE. MALCOLM A. SCHWEIKER, New York, N. Y., and JAMES R. WESTBROOK, Zanesville, Ohio. Filed Apr. 16, 1923. Serial No. 632,590. 14 Claims. (Cl. 25—104.)



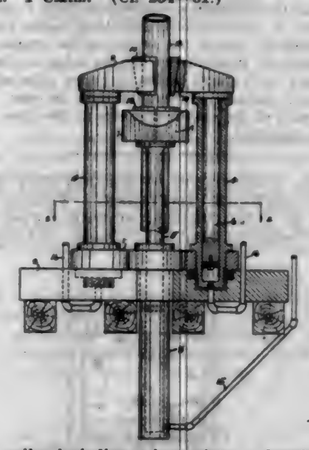
1. In a machine for fettling floor and wall tiles, of means for moving the tiles, means for fettling the tiles in succession, one behind another while they are being moved, and alinement belts for engaging the edges or sides of the tiles to hold them in alinement, one behind another, while they are being fettled.

1,536,412. FASTENER FOR CURTAIN RODS AND THE LIKE. WALTER SPARKS, Birmingham, England, assignor to William Henry Tonks, Birmingham, England, and Herbert James Preston, London, England, and North Sydney, Australia. Filed May 10, 1923. Serial No. 638,048. 2 Claims. (Cl. 156—22.)



1. A fastener for curtain rods and the like, comprising a U-shaped bracket arranged to be secured to a support with the limbs thereof one above the other and having oppositely offset outer ends, a U-shaped member, the free ends of the limbs of which are pivotally mounted to the free ends of the limbs of said bracket, so as to be movable in the planes of the said limbs, and yieldingly controlled means operable upon the limbs of the said U-shaped member to retain the same in substantial alignment with the limbs of the said U-shaped bracket and prevent casual movement thereof.

1,536,413. PIPE PULLER. HOMER C. THRIFT, Burkburnett, Tex. Filed Nov. 12, 1921. Serial No. 514,744. 1 Claim. (Cl. 254—31.)



A pipe puller including a base plate, a foundation on which said plate is mounted, opposing cylinders anchored at their upper ends to said base plate, and depending below the same, similar opposing cylinders anchored at their lower ends to said base plate and upstanding therefrom, a plunger in the respective cylinders, yokes arranged at substantially right angles to each other, one yoke being connected to the plunger of the depending cylinder, and the other yoke being connected to the plunger of the upstanding cylinders, each yoke being provided with a central upwardly flared opening aligned with the central opening of the base plate forming seats, wedge shaped slips having their inner faces serrated, said slips being mounted in the openings of the yokes, fluid pressure pipes entering the lower ends of the respective cylinders, and provided to admit fluid pressure into the depending cylinders and the upstanding cylinders alternatively.

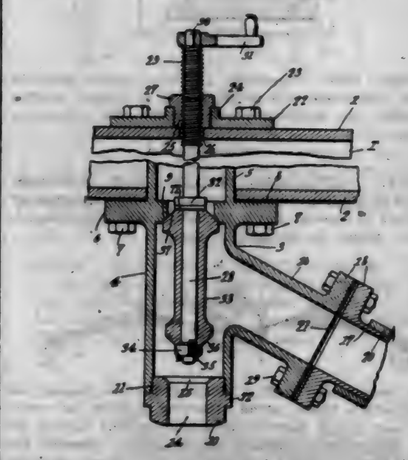
1,536,414. LICENSE-NUMBER-PLATE HOLDER. ROGER WILLYAMS WATTS, Tacoma, Wash. Filed Apr. 23, 1924. Serial No. 708,511. 3 Claims. (Cl. 40—135.)

1. A holder comprising a frame having a socket in one face thereof, adapted to receive a license-number plate for a motor vehicle, said frame being provided with an opening for disclosing the indicia on the plate which is disposed within said socket and being adapted to permit of the securing of said frame to said license-



number plate, and lugs extending laterally inward in the socket for engaging with the marginal edges of the plate within the socket to hold said plate against shifting in its place in the socket.

1,536,415. SELF-CLEANING TANK VALVE. LUCIEN G. BECK and ARCH C. WHITECOTTON, Elkins, W. Va. Filed June 20, 1924. Serial No. 721,328. 1 Claim. (Cl. 137—21.)

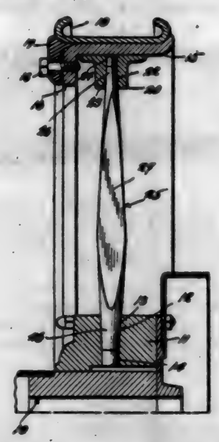


A device of the class described, including the water tank of a steam engine, the feed water pipe of a steam engine and a screen in the feed water pipe—in combination with a member provided at one end with an outlet and communicating at its opposite end with the tank, said member having a lateral branch communicating with the feed water pipe at a point between the tank and the outlet on the one hand and the screen on the other hand, said member being supplied with seats located on opposite sides of the lateral branch, one seat being located between the outlet and the branch and the other seat being located between the tank and the branch, a valve in said member, and means for moving the valve into engagement with either seat, to the exclusion of the other, thereby to place the feed pipe in communication with the tank, or in communication with the outlet to effect a blow-off through the feed pipe, the screen and the outlet, at the will of an operator.

1,536,416. STEEL-HARDENING PROCESS. RICHARD BISCHOFF, Dusseldorf, Germany. Filed Mar. 26, 1924. Serial No. 701,959½. 1 Claim. (Cl. 148—20.)

The process of hardening wearing portions of shaftings made of air hardening chrome-nickel-steel, which process consists in rapidly rotating said shaftings and at the same time heating the wearing portions to approximately 800 degrees centigrade, and then cooling said portions at continued rotation in the open air.

1,536,417. WHEEL SPOKE. JEROME BOLICK, Conover, N. C. Filed Sept. 17, 1923. Serial No. 663,211. 1 Claim. (Cl. 152—28.)



A wheel spoke comprising an intermediate flattened portion, cylindrical end portions and a tapered portion connecting the flattened portion with each cylindrical portion.

1,536,418. ATTACHING PLATE FOR SPRINGS. CHARLES C. BREAKFIELD, Allensville, Ky., assignor of one-half to Jesse B. Boyd, Allensville, Ky. Filed Jan. 4, 1924. Serial No. 684,388. 1 Claim. (Cl. 267—52.)

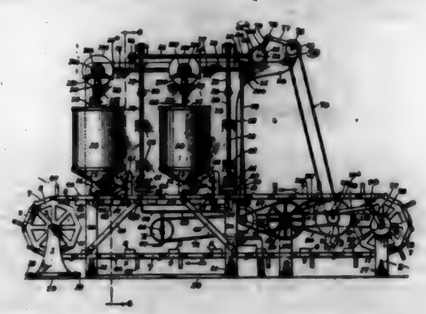


The combination with a channeled cross member of an automobile frame, of an attaching member for securing a leaf spring thereto, comprising a body having its upper side provided with a raised portion extended for the full length thereof and adapted to be freely received in the channeled cross member and having a convex upper surface for flatly contacting with the intermediate portion of the original leaf spring of the automobile, said body being provided at a point spaced below the lower edge of the channeled cross member with spaced laterally projecting ears at the intermediate and end portions of the body and extending beyond the outer sides of the channeled cross member, and fastening devices extending through said ears at the intermediate and end portions of the body for firmly holding the raised portion of the body in the channeled cross member, the convex upper surface of the body extending for the full length of the body and being entirely unbroken except for a single centrally located opening extending through the body and opening out through the upper surface of the raised portion.

1,536,419. PROCESS OF EFFECTING ORGANIC REACTIONS. ARTHUR W. BURWELL, Poughkeepsie, N. Y. Filed Jan. 26, 1922. Serial No. 532,009. 4 Claims. (Cl. 204—9.)

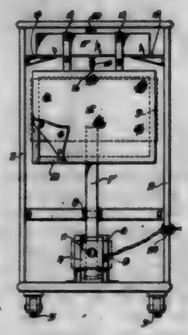
1. Process of effecting organic reactions comprising causing an electric current to flow through an aqueous electrolyte to an electrode, and maintaining on the active surface of said electrode a moving film of an organic liquid to be transformed said organic liquid being substantially insoluble in and immiscible with said electrolyte.

1,536,420. ICE-CREAM-MOLDING MACHINE. J. WILLARD CARPENTER, St. Louis, Mo. Filed Oct. 10, 1921. Serial No. 506,552. 8 Claims. (Cl. 226—100.)



1. A machine of the character described, comprising a pair of wheels having a plurality of flat surfaces, a link-belt carrier adapted to travel on the said wheels, a plurality of molds mounted on the said carrier, means for imparting intermittent movement thereto, a plurality of containers, a plurality of compacters, means for opening the containers, means for actuating the compacters, the said means for intermittent driving being so timed as to allow each of the said molds to pause adjacent to each of the said containers when the same is open and adjacent to each of the said compacters at the time when the same is operating.

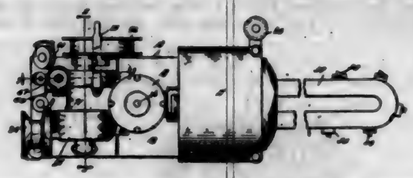
1,536,421. EXHIBITION OF MOTION PICTURES AND THE LIKE IN DAYLIGHT. WILLIAM C. CARROLL, St. Kilda, Victoria, Australia. Filed Nov. 20, 1924. Serial No. 751,123. 3 Claims. (Cl. 88—24.)



1. In a screen to be used for day light exhibition of motion pictures, including a fabric section to be impregnated with a fluid for rendering the same translucent, and a margin of absorbent material on such fabric section for delivering the fluid to the latter.

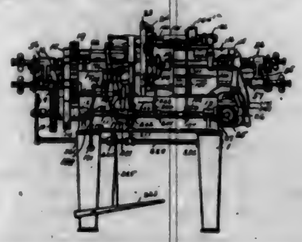
1,536,422. MINING MACHINE. FRANK CARTLIDGE, Terre Haute, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 12, 1915. Serial No. 33,650. Renewed July 26, 1921. Serial No. 487,724. 140 Claims. (Cl. 262—30.)

2. In combination, a cutter, a driving motor therefor, a feeding device for feeding said cutter, said feeding device being driven from said driving motor, and means for automatically varying the speed of operation of said



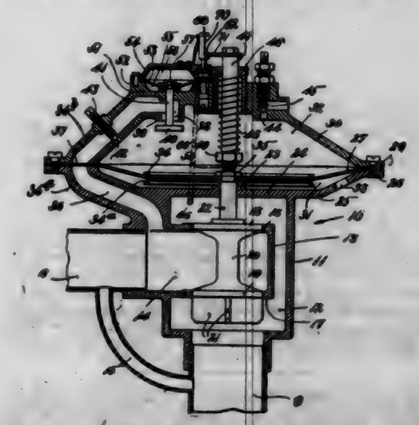
feeding device in relation to that of said driving motor to maintain the load on the cutter constant.

1,536,423. BUTTON-MAKING MACHINE. EMANUEL CLEMENS, East Orange, N. J., assignor to Superior Ivory Button Company, Newark, N. J., a Corporation of New Jersey. Filed Apr. 3, 1919. Serial No. 287,121. 22 Claims. (Cl. 79—9.)



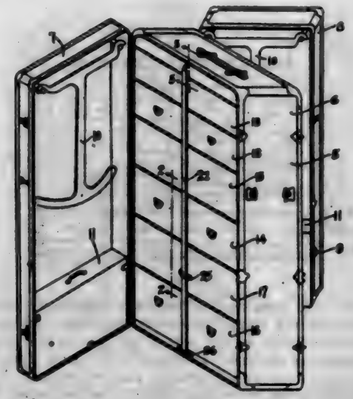
1. In a button making machine, the combination of a chuck for gripping and holding irregularly shaped button stock, a stock spotting finger for successively advancing against a plurality of points in the face of the button stock, a cutting tool and means for advancing said cutting tool against the button stock to a depth determined by the maximum advance of said spotting finger.

1,536,424. POWER CONTROLLER FOR CARRIER-DISPATCH SYSTEMS. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed June 5, 1923. Serial No. 643,570. 43 Claims. (Cl. 243—9.)



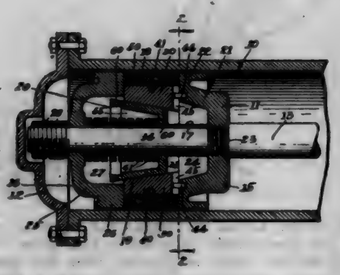
1. A power controlling apparatus comprising a main valve, a motor for actuating it, a normally open controlling valve, a motor for operating the controlling valve, and means operable upon movement of the main valve for initiating operation of the controlling valve motor.

1,536,425. WARDROBE TRUNK. METER DAVIS, New York, N. Y., assignor of one-third to Joseph Elias and one-third to Louis Mann, both of New York, N. Y. Filed Mar. 4, 1924. Serial No. 696,757. 2 Claims. (Cl. 190—13.)



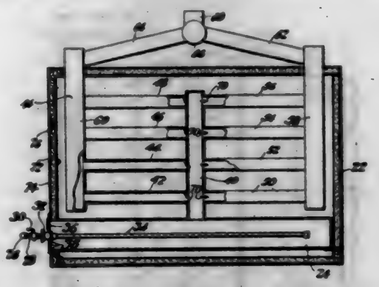
1. A wardrobe trunk having a central drawer section, angle members for supporting the drawers, and means on said angle members for limiting the inward and outward movement of said drawers, the adjacent drawers being adapted to be drawn from the opposite sides of said section.

1,536,426. EXPANSIBLE PISTON PACKING. GROVER C. DEAKINS, Anaheim, and LELAND S. HAMER, Fullerton, Calif., assignors of one-third to Elihu C. Wilson, Los Angeles, Calif. Filed Oct. 19, 1922. Serial No. 595,694. 2 Claims. (Cl. 74—109.)



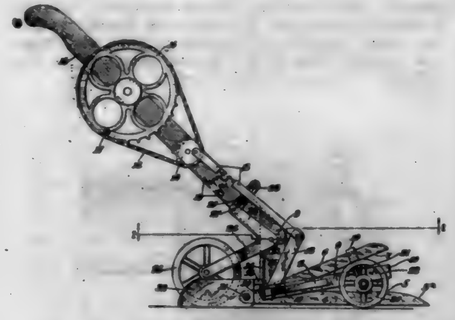
1. In combination, a piston rod, two plates on the piston rod, means spacing the plates apart, each plate having a recess in its inner face, packing carried between the peripheral portions of the plates, and means for automatically expanding the packing including, a conical wedge member with a recess in its large end, the wedge member being slidable longitudinally on the rod and adapted during the first part of its operation to have one end extend into the recess in one of the plates and during the last part of its operation to have its other end extend into the recess in the other plate, and a compression spring for moving the wedge member longitudinally, the spring having one end extending into the recess in the wedge member and having its other end extending into the recess in the plate adjacent the large end of the wedge member.

1,536,427. HEATING APPARATUS FOR GAS-FIRED OVENS. ALBIN MALMRAS DEGNER, Brooklyn, N. Y., assignor, by mesne assignments, to Combustion Utilities Corporation, New York, N. Y., a Corporation of Maine. Filed Jan. 16, 1923. Serial No. 612,922. 9 Claims. (Cl. 34—19.)



8. An oven, elongated, horizontal combustion chambers positioned in the lower portion of said oven and extending from the front to the rear of said oven, distributing flues extending upwardly from said combustion chambers, branch flues extending forwardly and rearwardly of said distributing flues, collecting flues to receive gases from the ends of said branch flues and means to vary the volume of gases passing through flues at different levels or for concentrating the flow of gases to the rear or front flues.

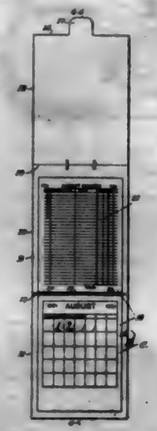
1,536,428. MOWER. ALFRED FELTON, Newburgh, N. Y. Filed Apr. 2, 1921. Serial No. 457,898. 10 Claims. (Cl. 56—247.)



1. A mower having in combination, a frame, a lower knife, an upper knife inclined to the lower knife, a pivoted movable knife cooperating with the upper and lower knives, the pivoted knife having a blunt end and the lower knife extending beyond the front end of the pivoted knife, a roller for supporting said knives, means for adjusting the height of said roller with respect to said knives, a handle member extending upwardly and rearwardly from said knives and manually operated gearing at the upper end of the handle member for oscillating said pivoted knife.

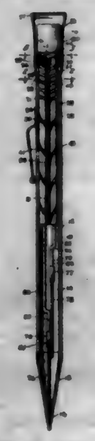
1,536,429. CALENDAR. EDWIN N. FERDON, St. Paul, Minn., assignor to The Blanchard Company, Aurora, Ill., a Corporation of Illinois. Filed Sept. 28, 1921. Serial No. 502,724. 2 Claims. (Cl. 40—119.)

2. A foldable calendar, including a back portion formed from a single blank of material, score lines dividing said back into approximately equal portions which are adapted to fold over unto each other, a calendar pad secured to one of said portions along one of said score lines, one of said portions being adapted to form a cover to conceal the up-turned leaves of said pad and means formed integral with and projecting from the free edge of said



cover portion adapted to hold the same flat against the other portions of said back by engaging between said pad and a portion of said back to form a locking means for holding the cover portion in position when the calendar is hung to expose the calendar pad.

1,536,430. ADJUSTABLE WRITING IMPLEMENT. FRANK FURRDY, New York, N. Y. Filed Feb. 25, 1924. Serial No. 694,990. 20 Claims. (Cl. 120—14.)

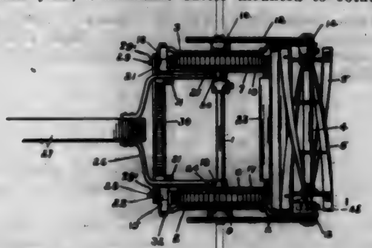


1. A pencil comprising a case, a plurality of lead carriers supported for longitudinal and rotative movement therein, each lead carrier having a cranked lower portion, and means for simultaneously moving two of the lead carriers longitudinally in opposite directions and rotating them at certain points of their longitudinal travel.

1,536,431. LAWN MOWER. CHARLES W. GORMLY, Mount Morris, N. Y., assignor to Charles Woods, Buffalo, N. Y. Filed Oct. 20, 1921. Serial No. 509,171. 1 Claim. (Cl. 56—252.)

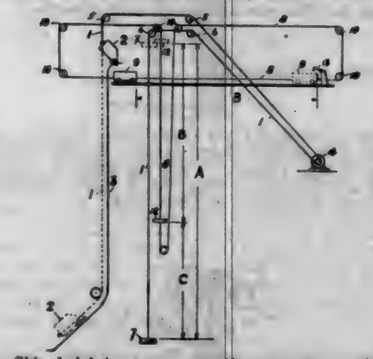
In a lawn mower, the combination of a shaft, drive wheels mounted to turn on said shaft, inner and outer frame bars fixed on the sides of each drive wheel and

rigidly held together at their rear ends, bolts depending from the rear ends of the frame bars, a connecting bar suspended from said bolts, a spring surrounding each of said bolts to yieldably hold said connecting bar against the under side of the rear ends of said frame bars, a yoke pivoted on the inner frame bars, a handle on said yoke, a revoluble cutter mounted to rotate be-



tween the forward ends of the outer frame bars, a roller mounted to rotate between the forward ends of the inner frame bars, a pawl pivoted on the side of said yoke and adapted to engage one of said inner frame bars to support said yoke on said inner frame bar, said pawl being adapted to be disengaged from said inner frame bar and allow said yoke to rest on said connecting bar instead of said side bar.

1,536,432. SKIP-HOIST AND TRAM-CAR OPERATING MEANS. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 4, 1924. Serial No. 696,778. 4 Claims. (Cl. 214—40.)



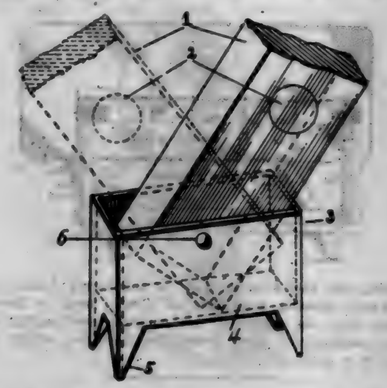
1. Skip hoist tram car operating means comprising a driven bucket cable, an endless tram car cable, and tappet mechanism interposed between said cables and adapted to operate the bucket and car to and from car-loading position for different distances.

1,536,433. PIPE-PERFORATING MACHINE. WILLIAM WALTER HARTMAN, Los Angeles, Calif. Filed Mar. 31, 1923. Serial No. 629,206. 16 Claims. (Cl. 81—193.)



1. In a machine for operating internally upon a pipe or the like, means to support the pipe, a cutter head and means to advance the head within the pipe, a cutter movable in said head, means movable independently of the cutter head and adapted to move the cutter with reference to said head, and means to establish relative rotary cutting movement between the pipe and the cutter head.

1,536,434. ANTISLIPPING DEVICE FOR LADDERS. WALTER A. HEARN, Baltimore, Md. Substitute for application Serial No. 135,165, filed Dec. 5, 1916. This application filed Jan. 21, 1925. Serial No. 3,600. 1 Claim. (Cl. 228—61.)



An anti-slipping ladder-foot attachment, comprising a multiple sided socket provided with a suitable bottom and provided with an area to substantially fit the sides of the stile of a ladder while being long enough to permit the stile to occupy different tilted positions with the end of the stile in engagement with the bottom of the socket, said socket having elongations of its vertical corners below the bottom to form prongs.

1,536,435. SAFETY RAZOR. STANLEY M. KATTELL, Syracuse, N. Y., assignor to The Shav-Rite Safety Razor Corporation, Patchogue, N. Y., a Corporation of Delaware. Filed Oct. 7, 1922. Serial No. 593,120. 4 Claims. (Cl. 30—12.)

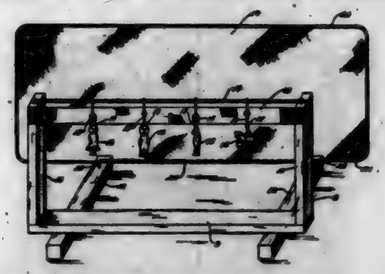


1. A safety razor comprising a holding member having a transverse hole spaced from its end, and a reversible guard having duplicate hooks, one at each end, one of said hooks adapted to engage in said hole while the other frictionally engages the end of the holder.

1,536,436. MAGNET TARGET GAME. ALEXANDER F. KOLINSKI, Milwaukee, Wis. Filed May 31, 1924. Serial No. 717,185. 12 Claims. (Cl. 124—15.)

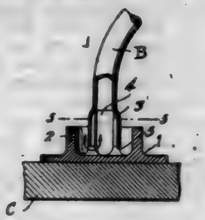
11. A magnet target game, comprising a target frame formed with a horizontal member, uprights secured thereto, pivotal members secured to the horizontal member and movable to transverse supporting positions and having apertures formed in their outer end portions, an elevated rod carried by said uprights, a plurality of magnets suspended from said rod at spaced intervals, targets formed of light flexible material provided with a metal stud,

said stud portions being attracted by the magnets whereby the targets are suspended, the targets being susceptible of disengagement from the magnets when struck by a missile, and a back-stop member having depending arms insertable in said pivotal member apertures for removably



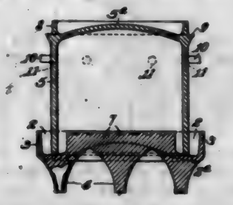
holding the back-stop member to the target frame, said back-stop member consisting of a wire bent to form a frame with the adjacent end portions overlapping and bent angularly to form arms, the back-stop being covered by a netting.

1,536,437. SIPHON-TUBE BASE. RULOV KLEIN, Montclair, N. J. Filed May 27, 1921. Serial No. 473,174. 5 Claims. (Cl. 137—20.)



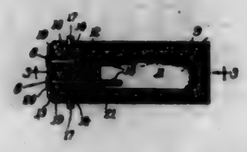
1. In a siphon tube, the combination of an elastic tube, and a base comprising a cup-shaped body portion having a rigid upstanding projection on the bottom thereof, said projection being adapted to telescopically and frictionally receive said tube thereover and being formed with passages to permit flow of liquid between itself and said tube, said base and said tube being maintained in said connected relation by the elasticity and frictional engagement of said tube with said projection.

1,536,438. ANNEALING BOX. IRVIN JOHN KOEHNLINE, Bridgeport, and WILLIAM EARL ARMSTRONG, Martins Ferry, Ohio. Filed Aug. 15, 1923. Serial No. 657,633. 2 Claims. (Cl. 263—49.)



1. An annealing box comprising a cast metal stand embodying a bed portion, an upright outer rim, and integral supporting legs, said bed portion and said rim being separated by a deep channel adapted for containing a bed of sand, the bottom of said channel having a drainage hole therein and having its surfaces inclined downwardly and outwardly toward said hole, said legs being of tapered form and disposed in substantially meeting relation beneath said bed whereby they complementally form a series of arches, and a cover of inverted box-like form adapted to seat upon said stand with its lower edges embedded in the sand bed in said channel.

1,536,439. MERCURY SWITCH. ROGER L. KNUTSEON, Rockford, Ill., assignor of one-half to Edgar C. Allen, Rockford, Ill. Filed Jan. 7, 1924. Serial No. 684,690. 1 Claim. (Cl. 200—152.)



A self-contained quick-detachable mercury switch adapted to be removably mounted in a bayonet socket, having, in combination, an elongated chambered body of insulating material, two pins to enter the slots of a bayonet socket, said pins being secured within said body and projecting from diametrically opposite points near one end of the body, two electrodes in the last-mentioned end of the body, the inner ends of said electrodes projecting into the chamber of the body, enlarged contacts secured to the outer ends of said electrodes and providing contact surfaces exposed upon the last-mentioned end of the body, and a globule of mercury in said chamber to bridge the gap between said electrodes.

1,536,440. [WITHDRAWN.]

1,536,441. SNAP-SWITCH TERMINAL. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Mfg. Company, Plainville, Conn., a Corporation of Connecticut. Filed Jan. 8, 1921. Serial No. 435,810. 4 Claims. (Cl. 200—166.)



3. A snap switch terminal comprising a post member having a central body with two spaced apart supporting feet, a contact member having a contact arm and a base adapted to fit against the body of said said post member, one of said members having a centrally arranged opening and the other member having a single rivet integral with it secured in said opening and one of said members having a lug integral with it projecting from one edge and overlapping an adjacent edge of the other member for preventing relative rotation of said members and a binding screw passing through one of said members.

1,536,442. ELECTRIC-SWITCH CLIP. HENRY E. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Nov. 27, 1923. Serial No. 677,246. 7 Claims. (Cl. 200—171.)

1. The method of forming a solderless switch clip which comprises assembling the ends of two jaws in a base plate between spaced tongues and then forming grooves in the adjacent faces of the jaws and expanding



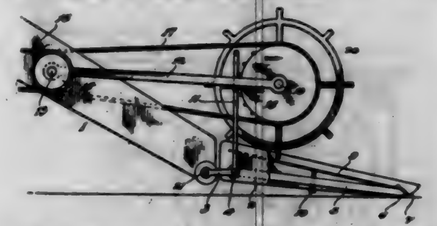
the jaw ends in said plate and spreading the tongues against the jaws in order to hold the parts together.

1,536,443. COLLAPSIBLE TUBE. HERMAN B. LERMER, Newark, N. J., assignor to Hygienic Tube Company, Newark, N. J., a Corporation of New Jersey. Filed Feb. 24, 1923. Serial No. 620,886. 1 Claim. (Cl. 221—60.)



In a translucent container, a collapsible tube having a bottom element, the tube and its bottom element being made wholly of celluloid, said bottom element being more than twice the thickness of the walls of the tube, a downturned flange integral with said bottom element, a raised outer beaded member on said flange forming an annular recess with said downturned flange adapted to receive the lower end of said tube, the downturned flanged portion being bent to form a space between it and the inner side wall of said tube, and a cement filling in the said space and in the said recess.

1,536,444. PICKER-TEETH FOR LOADERS. EDWARD MARTIN, Colwich, Kans. Filed June 9, 1922. Serial No. 567,100. 4 Claims. (Cl. 56—358.)



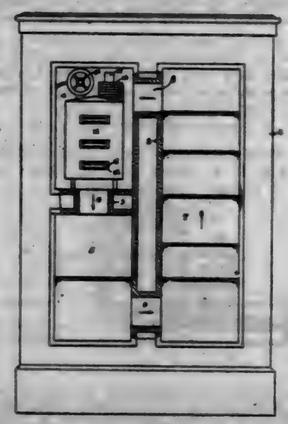
1. The combination of a supporting device, a plurality of picker teeth independently pivoted upon the supporting device, spring plates secured at their front ends upon the several teeth and extending longitudinally of the teeth and having their rear ends free, and means mounted in the several teeth and engaging the under sides of the respective plates to adjust the tension of the same.

1,536,445. DISPLAY DEVICE FOR BOTTLES AND THE LIKE. HENRY F. MAUPAI, Brooklyn, N. Y., assignor to Sackett & Wilhelms Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Apr. 24, 1924. Serial No. 708,687. 4 Claims. (Cl. 40—4.)



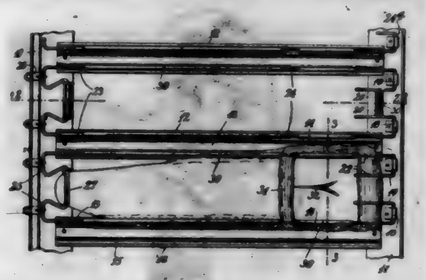
1. In a display device of the character described the combination of a display member, a flap formed from the lower portion of said display member and articulated at its upper edge thereto, a second flap articulated to the lower edge of said first flap, said flaps being provided with means for engaging a bottle on which the device is erected, and opposite wings articulated to the side edges of said second flap, said display member having opposite inreaching ears and said wings being adapted to engage said ears respectively.

1,536,446. REFRIGERATING APPARATUS. WILLIAM D. MERCER, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Mar. 24, 1924. Serial No. 701,863. 7 Claims. (Cl. 62—95.)



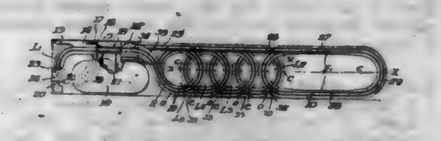
1. A cooling unit comprising a refrigerant chamber, a tank disposed about said chamber and adapted to be inserted within the cooling chamber of said refrigerator with its top in the path of the relatively warm air flowing from the storage chamber of said refrigerator, heat conducting fluid disposed within said tank and about said refrigerant chamber, and a top of equal thickness throughout forming part of said tank and having an exterior surface and an interior surface each sloping upwardly from the perimeter to a single elevated section thereof.

1,536,447. EMBROIDERY-MACHINE FABRIC HOLDER. OSWALD MEYER, Carlstadt, N. J.; Katherine Meyer administratrix of said Oswald Meyer, deceased. Filed Jan. 12, 1922. Serial No. 528,743. 5 Claims. (Cl. 112—90.)



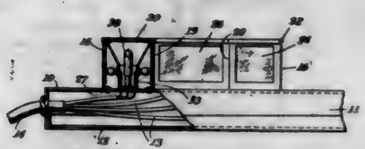
1. A fabric holder for an embroidery machine comprising a frame having a plurality of stationary clamping members, and a plurality of movable clamping members hinged to said frame provided with transversely aligned downwardly open recessed portions to provide clearance spaces to receive surplus folds of the material to be embroidered.

1,536,448. PLEASURE-RAILWAY STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed Jan. 26, 1925. Serial No. 4,704. 14 Claims. (Cl. 104—63.)



1. In a pleasure railway, the combination of a track having a plurality of curves of the same radius length and track sections of other radius lengths between said curves, and cars for said tracks, the wheels of said cars being set to be tangential to the rail curvature when the cars travel over said curves and to be non-tangential when the cars travel over the other track sections.

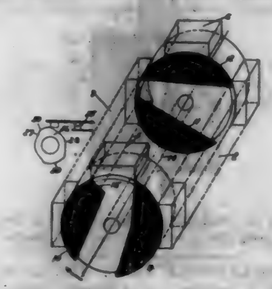
1,536,449. SIGN LETTER. JOHN JURGEN HENRY MULLER, Newark, N. J. Filed Feb. 12, 1923. Serial No. 618,450. 7 Claims. (Cl. 40—130.)



1. A sign character comprising a hollow body, containing interior partitions and having differently colored translucent side walls, lights in each compartment thereof, and an uncolored translucent cover for said body through which certain of said lights show.

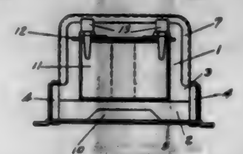
1,536,450. MAGNETO. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Apr. 19, 1921. Serial No. 462,583. 33 Claims. (Cl. 171—200.)

1. In an ignition apparatus adapted to deliver ignition sparks for firing an internal combustion engine at unequal angular intervals of engine crank shaft rotation, a magneto comprising diametrically spaced magnet pole pieces, and aligned spaced core pole pieces arranged on a cylindrical surface and a cylindrical rotor having pairs



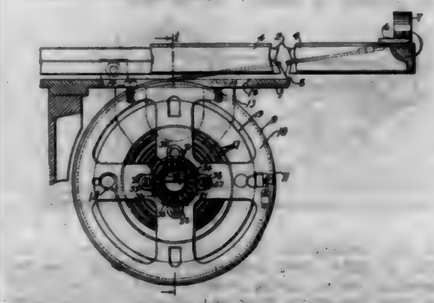
of inductors provided with flux breaking points co-operating with the pole pieces, the inductors being so positioned on the rotor that the angular distance between breaking points corresponds to the unequal angular firing intervals desired.

1,536,451. AUDIO-FREQUENCY TRANSFORMER. EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Aug. 22, 1924. Serial No. 733,478. 7 Claims. (Cl. 175—356.)



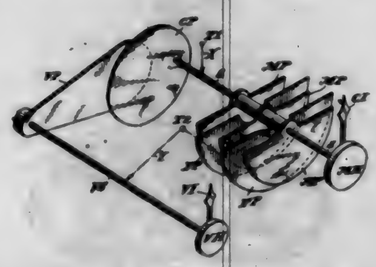
1. In a transformer, a core having windings associated therewith, said core having substantially E shaped laminations with projecting ends, bar laminations closing the E, a frame member adjacent the bar laminations and clamps passing over the projecting ends of the E shaped laminations and having parts passing through said frame member and fastened thereto.

1,536,452. TYPEWRITING MACHINE. JOSEPH PHELPS, North Caldwell, N. J., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed June 11, 1923. Serial No. 644,571. 11 Claims. (Cl. 197—68.)



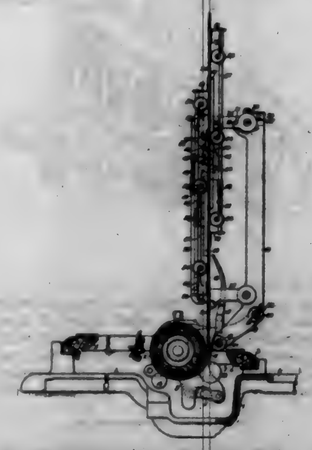
1. In a typewriting machine, the combination of a rotary carriage motor, a rotary driven member having a hub, and a coiled spring clutch connected at one end to said motor and surrounding said hub, said spring clutch binding on said hub during rotary movements of said motor in one direction and releasing said hub and said driven member during rotary movements of said motor in the opposite direction.

1,536,453. VERNIER FOR TUNING REACTANCES. GREENLEAF WHITTIER PICKARD, Newton Center, and JOHN ALBERT PROCTOR, Lexington, Mass., assignors to Wireless Specialty Apparatus Company, Boston, Mass., a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,552. 8 Claims. (Cl. 250—41.)



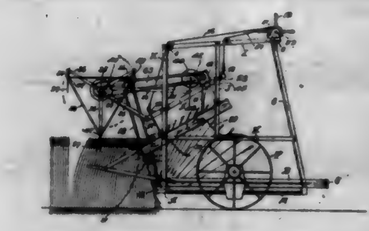
1. A vernier for a rotatable condenser, which comprises an auxiliary condenser plate mounted eccentrically on the shaft of the condenser; a rotatable vernier shaft parallel with the main condenser shaft; and a vernier condenser plate mounted rotatably on the vernier shaft; the condenser plate on the main condenser shaft having a disklike shape, and the condenser plate on the vernier shaft having an approximately semicircular end adjacent the auxiliary plate on the main condenser shaft.

1,536,454. TYPEWRITING MACHINE. MORRIS W. POOL, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Sept. 30, 1922. Serial No. 591,571. 32 Claims. (Cl. 197—127.)



1. In a typewriting machine, the combination of a platen, an upright collating board the lower edn of which in normal position lies behind the platen, and means whereby said board may be raised to clear the platen and then turned to an angular position more suitable for assemblage of the work sheets, the face of the board that is normally presented towards the operator being uppermost when the board is in said angular position.

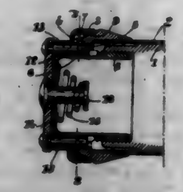
1,536,455. FLAX PULLER. EMIL PUSCH, New Rochelle, N. Y. Filed Jan. 24, 1922. Serial No. 531,234. 8 Claims. (Cl. 55—66.)



1. In a flax puller, in combination, a frame, grasping means mounted thereon adapted to grasp flax plants and exert a pulling force thereon and means positioned below said grasping means adapted to exert a pulling pressure upon the flax plants and adapted in conjunction with said grasping devices to remove the flax plants from the soil.

4. In a flax puller, in combination, a frame, two endless chains mounted thereon co-acting grasping devices pivotally mounted on said chains, the grasping devices of each chain being adapted to move successively in a continuous and predetermined path, corresponding grasping devices of each chain being adapted to describe independent pivotal movements relatively to said chains and thereby come together in surface engagement in proximity to the forward portion of the puller and grasp the flax plants between them and draw the plants rearwardly of the puller and in proximity to the rear end of the puller to pivotally move apart and independently of relatively to said chains and thereby release the plants after they have been pulled from the soil.

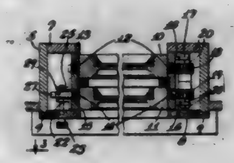
1,536,456. LOCKING DEVICE FOR REMOVABLE WHEELS. LOUIS ROUANET, Ivry-Port, France, assignor to Compagnie d'Applications Mecaniques, Paris, France. Filed Apr. 11, 1922. Serial No. 551,680. 1 Claim. (Cl. 301—9.)



In a removable wheel of the type comprising an outer hub adapted to be removably secured on an inner permanent hub, a locking device comprising a central nut screwed on the inner hub and adapted to secure the outer hub on the inner hub, notches provided in the periphery of said outer hub, locking pins adapted to slide in bores provided in said central nut in a direction parallel with the axis thereof and adapted to engage said notches, a disc upon which the said pins are mounted at diametrically opposite points, a central stud secured on said disc and extending through the nut, an abutment on said central stud and a spring seated on the nut and in engagement with said abutment tending to hold the

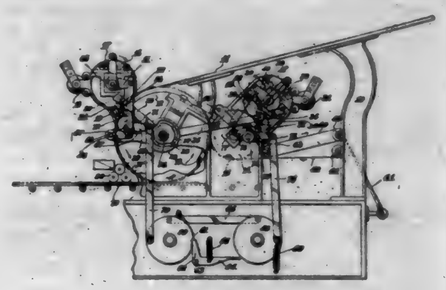
pins in locking position in such manner that they are supported and guided throughout their length by the nut, their inner ends being engaged with the nut and also with said notches.

1,536,457. WINDOW CONSTRUCTION. HENRY SCHLESINGER and SAMUEL SIMONOVITS, New York, N. Y. Filed Feb. 9, 1924. Serial No. 691,539. 6 Claims. (Cl. 20—52.)



1. A lock device for window sashes, comprising racks secured to one side of the separate sashes, and manually controlled members cooperating directly with said racks for retaining the same against further opening when in predetermined positions in the sash frame.

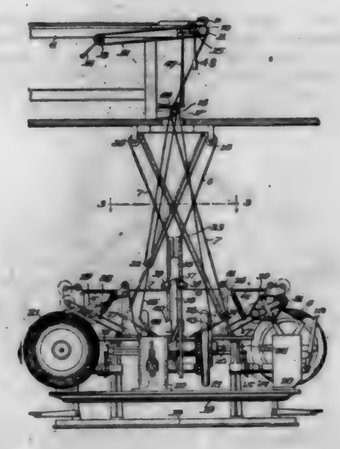
1,536,458. NUMBERING MACHINE. AMOS H. SMITH, Brooklyn, N. Y., assignor to American Bank Note Company, New York, N. Y., a Corporation of New York. Filed Mar. 17, 1924. Serial No. 699,765. 15 Claims. (Cl. 101—77.)



1. A numbering machine embodying therein a main impression cylinder, a secondary impression cylinder adapted to receive a sheet of paper therefrom, a numbering head cylinder associated with each of said impression cylinders, a striker mechanism associated with each numbering head cylinder, means operative upon each of said striker mechanisms whereby it will be made operative during one revolution of its numbering head cylinder, and will be made inoperative during the succeeding revolution thereof, and an actuating mechanism operative upon said last named means whereby the actuation of each of said striker mechanism is timed in relation to the delivery of a sheet to the impression cylinder with which it is associated.

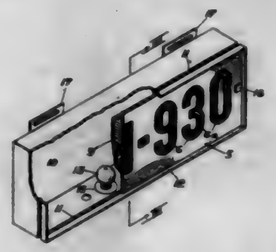
1,536,459. MACHINE FOR THE MANUFACTURE OF TIRE CASINGS. WILLIAM C. STEVENS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Nov. 14, 1918, Serial No. 262,495. Renewed Apr. 23, 1921. Serial No. 463,905. 29 Claims. (Cl. 154—10.)

1. In a machine for manufacturing tires, the combination of an assembling table, a tire making machine, means for conducting fabric from said assembling table to said tire machine comprising guide rollers over



which the fabric passes to the machine, and a dance roller for forming an intermediate loop in said fabric between the machine and the assembly table.

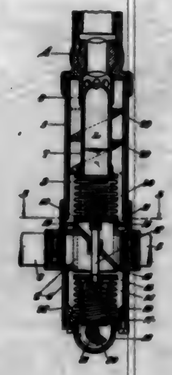
1,536,460. LICENSE PLATE. HERMAN T. H. STUBBEN, Pittsburgh, Pa. Filed July 20, 1923. Serial No. 652,742. 2 Claims. (Cl. 40—133.)



2. A sign comprising a plate having embossed indicia thereon, the indicia and the plate being of contrasting colors, said indicia having the central areas thereof cut away to produce a stenciled outline of the characters within the colored outline thereof, and a transparent colored sheet at the inner face of the plate.

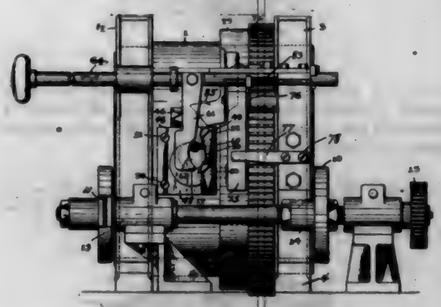
1,536,461. AUTOMATIC TEMPERATURE-CONTROL VALVE. FRANK L. O. WADSWORTH, Pittsburgh, Pa. Filed Mar. 14, 1923. Serial No. 625,050. 9 Claims. (Cl. 236—12.)

1. An automatic temperature control mechanism for mixing apparatus which comprises a thermostat, means for balancing the external pressure thereon and thereby eliminating the effect of pressure variations in the surrounding medium on its thermal movements, a spring for assisting the expansion of the said thermostat as



the temperature rises, a second spring for resisting said expansion movement, and manually operable means for varying the tension of the last mentioned spring.

1,536,462. STEREOTYPE-PLATE-FINISHING MACHINE. JOSEPH J. WALSER, Ann Arbor, Mich., and ALBERT A. HENN, Chicago, Ill., assignors to Goss Printing Press Company, a Corporation of Illinois. Filed Jan. 29, 1920. Serial No. 354,982. 16 Claims. (Cl. 29—21.)

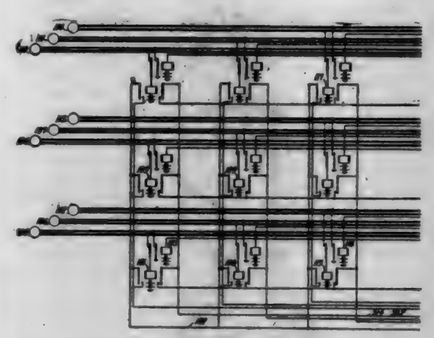


16. A stereotype plate finishing machine including in combination a plate trimming cylinder, a clamp for clamping the plate within the cylinder, a cam engaging with and moving the clamp to plate clamping position, means for positively moving the cam to cause the clamp to clamp the plate, and automatically operating means for moving the cam to unclamp the plate.

1,536,463. ABSORPTION PROCESS. ERIC HJALMAR WESTLING, Redwood City, Calif. Filed June 12, 1922. Serial No. 567,733. 10 Claims. (Cl. 23—1.)

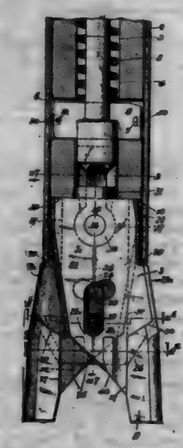
1. The process of absorbing gases or vapors in liquids which consists in introducing the gas into a body of the liquid and causing the kinetic energy of the gas to convert the liquid into a fog and condensing the fog.

1,536,464. TELEPHONE SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 6, 1922. Serial No. 566,812. 9 Claims. (Cl. 179—18.)



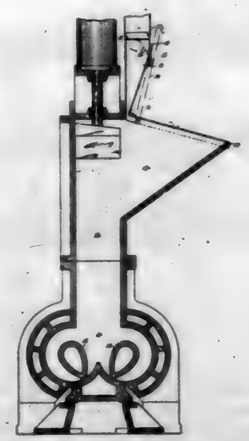
1. In a switching system, a plurality of groups of lines, coordinate switches serving said lines, a relay individual to each group of lines, means responsive to the initiation of a call on a line in any particular group for operating one of said switches to extend said line and for operating the relay individual to the group in which said line appears, and another relay common to said groups of lines for maintaining the first named relay operated to render all remaining lines in said group ineffective to operate one of said switches until a calling line in another group has been extended.

1,536,465. UNDERREAMER. ARTHUR ALLISON, Maywood, Calif., assignor to William W. Wilson, Los Angeles, Calif. Filed July 18, 1923. Serial No. 652,465. 5 Claims. (Cl. 255—75.)



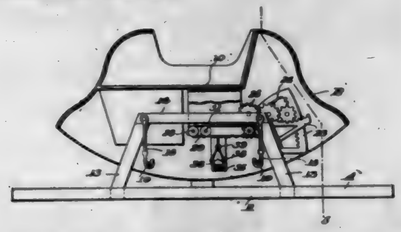
1. An underreamer comprising a body, a pair of overlapping cutters in the body, the cutters bearing inwardly against the body, and overhanging shoulders on the overlapping cutters adapted to interengage to prevent outward movement of the cutters.

1,536,466. MACHINE FOR TREATING RUBBER AND OTHER HEAVY PLASTIC MATERIAL. FRENLEY H. BANBURY, Ansonia, Conn., assignor to Birmingham Iron Foundry, Derby, Conn., a Corporation. Filed Sept. 13, 1922. Serial No. 587,926. 6 Claims. (Cl. 18—2.)



6. In a machine of the character described, the combination with a powder-feed, of a closure therefor, a suction device having a long, narrow opening located adjacent to the inner portion of the closure, and means for limiting the action of the suction device to the period when the closure is open.

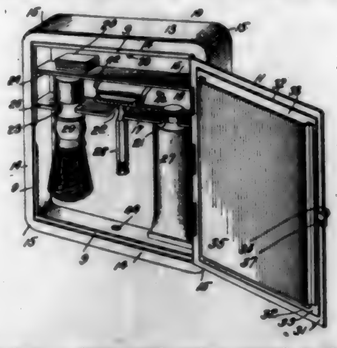
1,536,467. TOY. LAMBERT E. BRAVERS, Philadelphia, Pa. Filed Oct. 28, 1921. Serial No. 511,040. 1 Claim. (Cl. 272—56.)



A device of the character described comprising a base, a carrier capable of being supported above the base for oscillatory movement or to be positioned on the base for oscillatory movement, a supporting structure, a transverse pin carried by the carrier, hook elements carried by the suppoting structure and adapted to receive the pin to support the carrier above the base for oscillatory movement, and bearings carried by the base and pintles carried by the carrier and adapted to be received in the bearings when the carrier is resting upon the base.

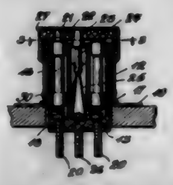
1,536,468. CABINET FOR HOLDING SHAVING REQUISITES. MARCUS B. BEHRMAN, New York, N. Y., assignor to American Safety Razor Corporation, Brooklyn, N. Y., a Corporation of Virginia. Filed Oct. 7, 1922. Serial No. 592,955. 6 Claims. (Cl. 132—80.)

1. A cabinet for holding shaving requisites comprising a sheet metal rectangular body portion having a back, top, bottom, sides and front consisting of a border flange extending inwardly from said top, bottom and sides and leaving a large opening at the front of said body portion, all of said parts being of sheet metal and said body portion having rounded corners, a sheet metal door hinged at one edge to one side edge of said flange and comprising an open rectangular frame adapted at its edges to engage said border flange, said flange being offset inwardly to receive and seat the edges



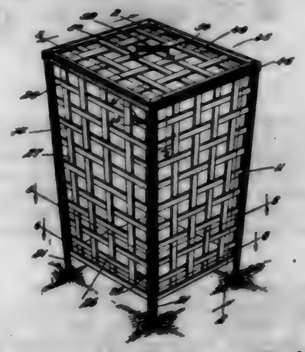
of said door, a sheet metal pocket secured to the back of said frame at the edges of the opening therein and having an open top for free access thereto, and a mirror set within said pocket and closing said opening, and means within said body portion for receiving and supporting the articles of a shaving outfit.

1,536,469. COMBINED SWITCH AND FUSE BOX. ROBERT H. BENNETT, Washington, D. C. Filed July 26, 1921. Serial No. 487,706. 14 Claims. (Cl. 200—114.)



1. In a device of the character described, in combination, a switch body having a plurality of circuits, a removable fuse associated with each circuit, and rotatable means for operating the desired circuit.

1,536,470. RUBBISH INCINERATOR. HARRY B. BORNSIDE, Providence, R. I. Filed Aug. 2, 1923. Serial No. 655,208. 1 Claim. (Cl. 220—4.)



As a new article of manufacture, a section for a rubbish incinerator comprising a top, bottom, a long side, a short side, a depending extension on the long side, a

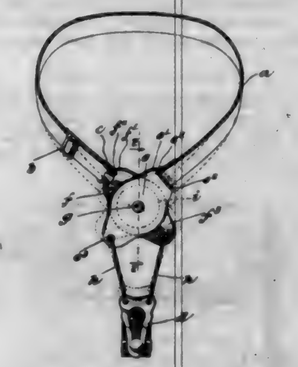
peripheral flange projecting from the top, bottom, and sides, and a metallic body fast to the top, bottom and sides.

1,536,471. EMBROIDERY. EDWIN BOSSHARDT, Hudson Heights, N. J. Filed Sept. 29, 1923. Serial No. 665,518. 1 Claim. (Cl. 2—278.)



Embroidery of the character described embodying a suitable fabric background and a plurality of separate and independent motifs of stitched embroidery, each of which is manufactured, finished and complete and is provided with an openwork portion extending longitudinally of the motif and inward of the edges thereof, and stitches passed through the openwork portions of the motifs and through the fabric background for assembling the motifs in permanent position on the background to form a predetermined optional design through the combination of such motifs.

1,536,472. HALF-HOSE GARTER. FERLEIGH E. BROWNE, Ridgefield Park, N. J. Filed Dec. 31, 1923. Serial No. 683,555. 4 Claims. (Cl. 241—6.)



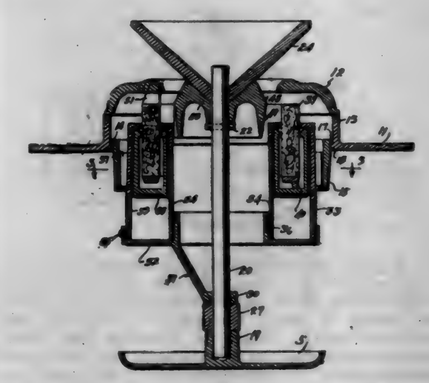
1. A half hose garter embodying therein a pair of crossed levers, a pivotal connection between said levers, a leg strap, one end of which is connected with one arm of one of said levers, the other end of which is adapted to be connected with the adjacent arm of the other lever, a clasp adapted to be connected with the half hose to be supported, and flexible connections between said clasp and the other arms of said levers respectively, whereby an enlargement in the bight of said leg strap will develop an upward pull upon said clasp, and the slack resulting from a reduction in the size of said bight will be automatically taken up as a result of the downward pull upon said levers by the half hose through said clasp and said flexible connections.

1,536,473. VEST. LOUIS P. BRUNELLE, Winnipeg, Manitoba, Canada. Filed Mar. 12, 1923. Serial No. 624,641. 1 Claim. (Cl. 2—102.)



A collarless vest having the neck and vest front openings cut to meet at obtuse angles in a location in advance of the vest shoulder seams.

1,536,474. OIL BURNER. CARL BUBBEL, Detroit, Mich. Filed Jan. 11, 1924. Serial No. 685,510. 3 Claims. (Cl. 158—28.)

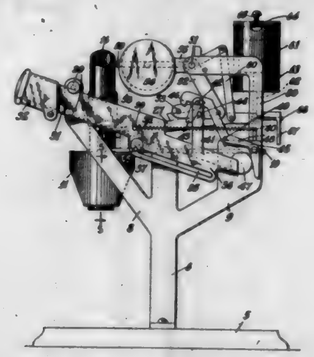


2. A device of the class described comprising a wick burner having a relatively small projection thereon and means for enclosing all of said wick except said projection in a housing whereby said projection may act as a pilot burner when the rest of the wick is extinguished.

1,536,475. LIQUID-DISPENSING APPARATUS. JOSEPH N. BURNO, Chicago, Ill., assignor to Budde & Westermann, a Corporation of New York. Filed Apr. 19, 1922. Serial No. 555,542. 15 Claims. (Cl. 194—30.)

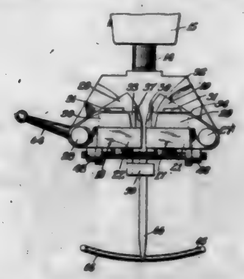
1. A coin controlled liquid dispensing apparatus having a conduit adapted to carry a liquid, a valve controlling the flow of the liquid through said conduit, a movable coin controlled operating member, means for normally locking said operating member in an inoperative position, means operable in the presence of a coin to release said operating member upon movement thereof,

means operable upon a predetermined movement of said member to open said valve, means operable upon the opening of said valve to move the same to its closed



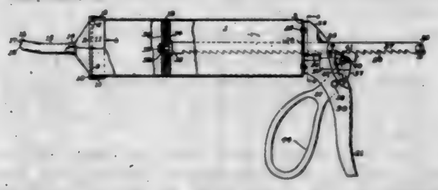
position, means for retarding said valve in its movement to closed position, and means for varying the period of operation of said valve closing means.

1,536,476. LIQUID DISPENSER. JOSEPH N. BURNO, Chicago, Ill., assignor to Budde & Westermann, a Corporation of New York. Filed Feb. 15, 1924. Serial No. 693,006. 10 Claims. (Cl. 225—21.)



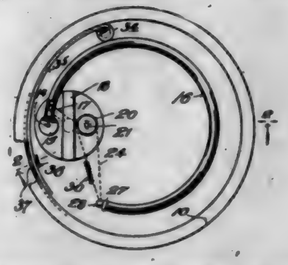
1. A liquid dispensing apparatus adapted to be connected to different sources of liquid supply comprising a body portion, valve associated with said body portion and adapted to control the egress of liquid from said sources of supply, means for actuating said valves simultaneously, and means associated with said valve-actuating means for rendering one of said valves inoperative.

1,536,477. GUN FOR CALKING OR SIMILAR OPERATIONS. SAMUEL CREWE, East Cleveland, Ohio. Filed Oct. 11, 1922. Serial No. 593,817. 5 Claims. (Cl. 18—8.5.)



1. An apparatus of the character described comprising a container adapted to be loaded with calking material and having means for ejecting said material out of said container through said outlet opening, and an outlet opening, an outlet pipe over said opening out of alignment with the longitudinal axis of said container and the outer end thereof provided with two notches opposite each other and with a third notch intermediate these two notches to direct and equalize the flow and the spread of said ejecting material.

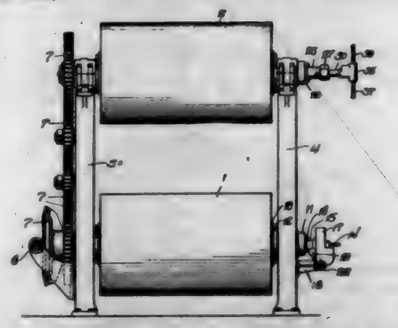
1,536,478. GAUGE. ERNEST B. CROCKER, Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Apr. 17, 1920. Serial No. 374,540. 12 Claims. (Cl. 73—109.)



1. In a Bourdon tube gauge, a casing, a Bourdon tube, a socket piece to which one end of said tube is anchored, said socket piece having a passage communicating with a source of pressure and with the tube and extending through an opening in the end wall of the casing, and an anchor member connected to the tube and extending through a portion of the socket piece and the end wall of the casing to lock said socket piece against rotative movement.

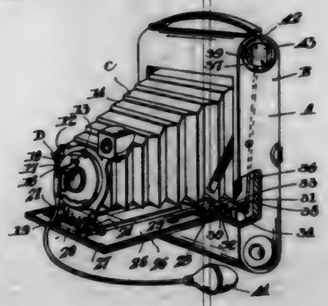
7. In a Bourdon tube gauge, a casing, a Bourdon tube, a socket piece mounted in said casing and to which one end of said tube is anchored a post fixed to said socket piece, a member rotatively mounted on said post and carrying a dial hand or pointer, and flexible connections intermediate the free end of said tube and said rotative member.

1,536,479. TEMPERATURE-CHANGING APPLIANCE. HARRY A. CUMFER, Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co., a Corporation of Illinois. Filed May 15, 1922. Serial No. 561,235. 1 Claim. (Cl. 34—48.)



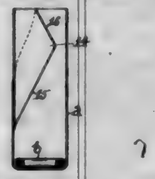
A structure of the character described comprising a pair of vertical frame members; a pair of hollow drums rotatably mounted on the frame, one above the other; means for driving one drum; connecting means to drive the other drum in the same direction; a hollow trunnion supporting one end of each drum; a relatively fixed pipe extending into each trunnion, said pipes for connection to the same source of supply; and drain pipes connected to said trunnions for connection to a common drain conduit.

1,536,480. SHUTTER-CONTROL MECHANISM FOR FOLDING CAMERAS. WILLIAM FRANCIS CUMNOR DEVLIN and SIDNEY WALKER GRAHAM, Ottawa, Ontario, Canada; said Graham assignor to said Devlin. Filed Dec. 17, 1921. Serial No. 523,112. 19 Claims. (Cl. 95—82.)



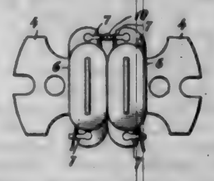
1. A folding camera comprising a film containing part, a film winding device therein, a folding and an extending part, shutter control mechanism on the extending part, means for preventing operation of the shutter control mechanism until after the film winding device has been operated including a longitudinally movable rod operated by the film winding device, a rocker operatively connected to the rod, a link connected to the rocker, a second rocker on the folding part having slidable engagement with the link, and means for operatively connecting the second rocker with the shutter control mechanism.

1,536,481. COIN PACKAGE. LEWIS J. DICKEY, Boston, Mass., assignor to Standard Coin Wrappers, Inc., Boston, Mass., a Corporation of Massachusetts. Filed Aug. 31, 1922. Serial No. 585,475. 2 Claims. (Cl. 133—10.)



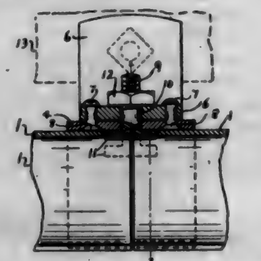
1. A coin wrapper composed of a blank wound into a plurality of convolutions with their upper side edges in the same transverse plane, the innermost convolution terminating in a point, formed by angular sections of unequal length, and located between the middle and the upper side edge of said innermost convolution, the lower side edges of said convolutions being inwardly crimped.

1,536,482. TELEPHONE RECEIVER. FREDERICK DIETRICH, Flushing, and EDWARD BERGMAN, New York, N. Y., assignors to C. Brandes, Inc., a Corporation of New York. Filed June 13, 1922. Serial No. 567,928. 4 Claims. (Cl. 179—117.)



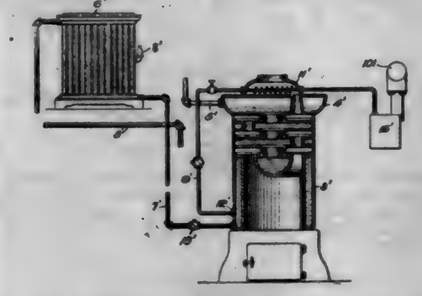
1. In an electro-magnet, a pair of adjacent magnet cores, a pair of terminal supporting members each being mounted on one of said cores, a pair of adjacent soldering terminals each of which is mounted on one of said terminal supporting members and a pair of windings one on each of said cores, one end of each of said windings being connected to its respectively associated one of said soldering terminals said soldering terminals being in electrical engagement one with the other.

1,536,483. TRACK SUPPORT. WILBERT NELSON ELLIOTT, Hamilton, Ontario, Canada, assignor to The N. Slater Company, Limited, Hamilton, Ontario, Canada. Filed Dec. 18, 1923. Serial No. 681,421. 7 Claims. (Cl. 16—94.)



1. The combination with a tubular track of a coupling therefor, the inner periphery of the coupling conforming to the outer periphery of the track and slidable longitudinally thereof, and a protuberance detachably associated with the coupling and projecting from its inner periphery.

1,536,484. HOUSE-HEATING SYSTEM. HENRY M. ESSELEN, Roslindale, Boston, Mass. Filed Aug. 14, 1919. Serial No. 317,451. 4 Claims. (Cl. 237—9.)

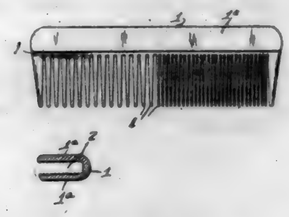


4. In a house-heating system including a boiler, and a radiator having supply and return lines connected thereto, an air inlet conduit connected to the boiler below the water level therein to produce heated moisture laden air bubbles in the boiler whereby to assist circulation therein and to produce aerated vapor for circulation in the radiator, a thermally controlled air injector connected to said inlet conduit, an air vent connected to the radiator above the return line connection thereto and an automatic valve in said air vent.

1,536,485. MEANS FOR REENFORCING TOILET AND OTHER COMBS. JOHN THOMAS FANNING, Moonee Ponds, Victoria, Australia. Filed Apr. 29, 1924. Serial No. 709,767. 1 Claim. (Cl. 132—17.)

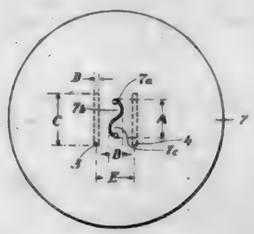
The combination with a hair comb which includes a non-metallic base having flat parallel sides and teeth integral with the base, of a reenforcing member of harder material than the base and formed to closely fit the outer edge and the major portions of the flat sides of the

base, said member comprising a neck bearing on the outer edge of the base, and gripping jaws confined by the neck against the major portions of the sides of the base and forming the sides of a groove which is open from end to



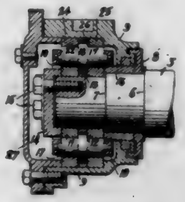
end, said jaws being provided with roughened internal surfaces engaging the base sides, the base being slidable endwise into, and entirely filling said groove, and confined therein against edgewise displacement by the engagement of the roughened surfaces with the base sides.

1,536,486. TELEPHONE DIAPHRAGM. HERMANN FISCHER, New York, N. Y., assignor to C. Brandes, Inc., a Corporation of New York. Filed Oct. 24, 1922. Serial No. 596,629. 6 Claims. (Cl. 171—115.)



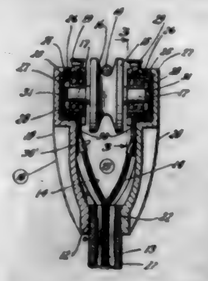
6. In a double pole telephone receiver, a diaphragm having a single *f* hole at its center portion.

1,536,487. ROLLER BEARING. LEO FLESCH, Elberfeld, Germany. Continuation of application Serial No. 474,212, filed June 1, 1921. This application filed July 14, 1922. Serial No. 575,123. 1 Claim. (Cl. 64—61.)



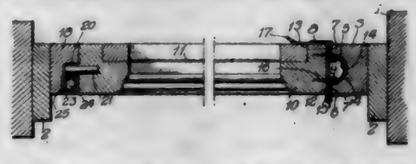
In a roller bearing, the combination of a plurality of rollers each provided with a collar intermediate its ends, a pair of mounting rings for holding the collars in spaced relation, a pair of inner races and a pair of outer races on opposite sides of the collars, ball and socket means for connecting the rollers to the mounting rings, rods for holding the the mounting rings in spaced relation, each rod having a small cross section at its middle portion and a relatively large cross section at each end thereof, and means for clamping said inner and outer races in position.

1,536,488. TROLLEY. EMIL F. LEWIS FRITZ, Chicago, Ill. Filed Feb. 28, 1924. Serial No. 695,666. 5 Claims. (Cl. 191—61.)



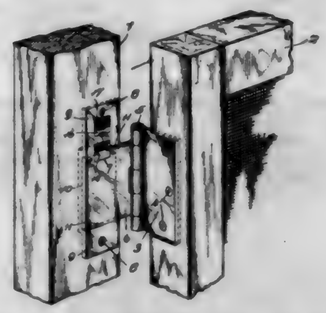
1. In combination with a trolley pole, of a support comprising symmetrical parts detachably secured together and having threaded connections with the pole at one end thereof and being provided with inwardly facing recesses, a trolley wheel having opposite fixed shaft ends journaled in the recesses, and a conductor member having portions extending along the inside of said symmetrical parts into the recesses and being in contact with the end faces of said shaft ends.

1,536,489. WINDOW SCREEN. CHARLES F. GESCHICKTER, Washington, D. C. Filed Oct. 19, 1923. Serial No. 669,592. 10 Claims. (Cl. 20—50.)



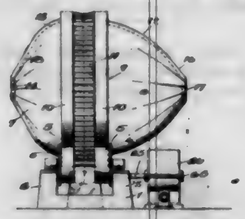
1. The combination with a window frame, of an undercut slideway secured to said frame, a resilient slide mounted in said runway, and a frame carried by and hingedly connected to said slideway.

1,536,490. DOOR AND WINDOW SCREEN HINGE. CHARLES F. GESCHICKTER, Washington, D. C. Filed Apr. 3, 1924. Serial No. 704,048. 3 Claims. (Cl. 16—149.)



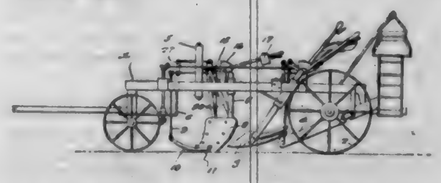
1. A hinge hanging plate having a recess in its outer face adapted to receive the leaf of a hinge, a slot through the plate at the upper end of said recess, and a bolt mounted on said plate and adapted to project into said recess, and means holding said bolt in its operative and inoperative position.

1,536,491. PEBBLE MILL. CHARLES JOSEPH GUNDEROTH, Copperhill, Tenn. Filed Feb. 2, 1924. Serial No. 690,314. 4 Claims. (Cl. 83—73.)



1. A pebble mill comprising a shell formed of a plurality of sections, the end sections providing head and tail sections, the head and tail sections having flat portions and a circular portion merged into the flat portion, an intermediate section, and means for connecting the intermediate section with the end section, said intermediate section being provided with supporting rings.

1,536,492. AUTOMATICALLY-ADJUSTING BEET TOPPER. JAMES A. HARWOOD, Wheatland, Wyo. Filed May 16, 1924. Serial No. 713,766. 3 Claims. (Cl. 55—107.)



1. A beet topping mechanism comprising a yoke, a vertically disposed shaft carried by the yoke, a sleeve slidably mounted thereon, a lever mechanism operatively connected with the sleeve, for sliding the same upon the shaft, plates disposed transversely of the sleeve, a collar located between the plates, spring means for holding the collar at the intermediate portion of the sleeve, set screws on the collar adapted to engage one of the plates, links pivotally connecting the plates together, a blade connected with the rear end of the lower plate, a rod connected with the forward end of the lower plate, and a beet top engaging plate carried at the lower end of the rod and disposed in advance of the blade.

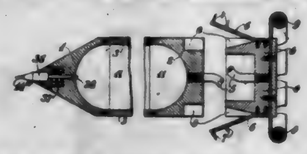
1,536,493. CLOTHESLINE. MORRIS HAUSMAN, Scranton, Pa. Filed Oct. 5, 1922. Serial No. 592,592. 1 Claim. (Cl. 68—3.)



A clothes line provided at intervals along its length with a series of ferrules extending through said line and a series of clamping members each provided with a pivot in one of said ferrules, said clamping members being formed on their inner faces with a series of ridges for engagement with clothes on said line.

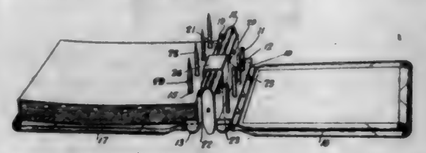
1,536,494. PROJECTILE FOR USE IN CATCHING WHALES AND OTHER MAMMALS. AUGUSTUS HENKES, Rotterdam, Netherlands, assignor to Improved Whaling Limited, Liverpool, England, a Corporation of Great Britain. Filed Dec. 30, 1920. Serial No. 434,013. 23 Claims. (Cl. 102—26.)

17. A projectile adapted to inflate the body of a whale by a gas liberated therefrom in a non-explosive manner, the said projectile having a sleeve adapted to be stripped off on the projectile penetrating the object, a



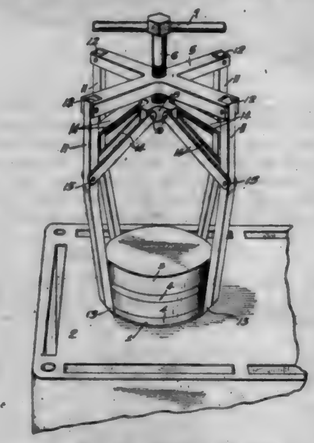
plugging-up member released thereby, and a gripping means similarly released for holding the said member in position to close the entry hole.

1,536,495. LOOSE-LEAF LEDGER. EDWARD W. HILL, Chicago, Ill. Filed Apr. 19, 1921. Serial No. 462,586. 8 Claims. (Cl. 129—8.)



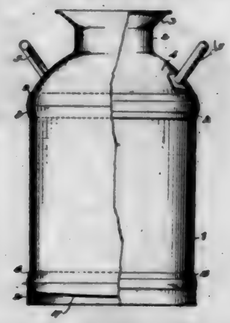
5. In a loose leaf binder, front and rear covers, telescoping posts carried thereby, means for holding the parts together with the posts in telescopic engagement, detachable extension members adapted to engage some of said posts when the posts are disconnected, and detachable means independent of said posts and independent of said extensions for holding the parts of the binder in predetermined relative position to prevent the posts from being brought into alignment when said extensions are in place.

1,536,496. PISTON-RING COMPRESSOR. FREDERICK S. HILL, Glendale, Calif. Filed May 26, 1921. Serial No. 472,629. 3 Claims. (Cl. 29—86.4.)



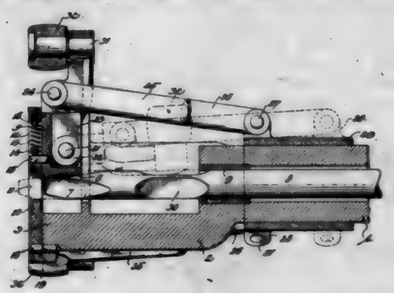
3. A piston ring compressor comprising a support, longitudinally extending arms pivoted to said support, said support and arms being arranged whereby the latter may be received over a piston and piston ring carried thereby, the swinging ends of said arms being inwardly inclined, an operating bolt extending through said support, and a toggle connection between said bolt and said arms for contracting said arms with the tips of said inclined arm ends engaging and compressing said piston ring and the remaining portions of said arms in transversely spaced relation from said piston.

1,536,497. MILK CAN OR CONTAINER. GEZA HORVATH, Detroit, Mich. Filed Nov. 23, 1922. Serial No. 602,712. 6 Claims. (Cl. 220—7.)



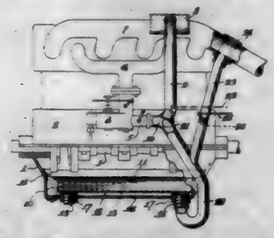
1. A container comprising rings having concave walls, and superposed parts having alining edges seated on and secured to the concave walls of said rings, said rings having a belly in proximity to the confronting edges of said parts.

1,536,498. EXPANSIBLE INTERNAL-SMOOTHING TOOL. GEZA HORVATH, Detroit, Mich. Filed Nov. 23, 1922. Serial No. 602,715. 8 Claims. (Cl. 153—81.)



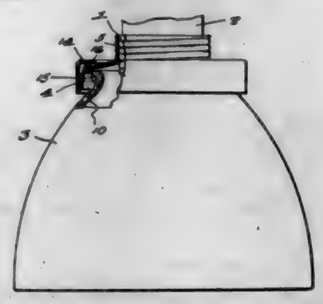
1. An expansible internal smoothing tool comprising a tool body having a head, radially disposed members slidable in the head of said body, foldable and retractible smoothing jaws pivotally supported by said slidable members, means reciprocable on said tool body adapted for folding and unfolding said smoothing jaws, and means in said tool body adapted for distending said smoothing jaws.

1,536,499. OIL COOLING AND HEATING SYSTEM. GEZA HORVATH, Detroit, Mich. Filed Aug. 9, 1923. Serial No. 656,505. 9 Claims. (Cl. 123—196.)



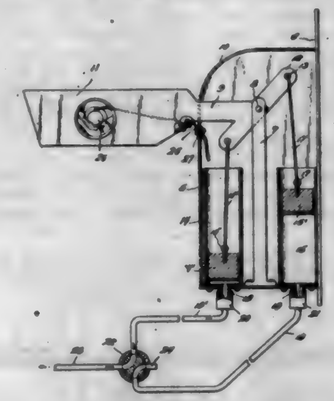
1. An oil cooling device for an internal combustion engine having a crank case, and a carbureter adapted to receive air, said device comprising an oil cooling radiator in the crank case and receiving air from outside of said crank case and discharging air into said carbureter, said oil cooling radiator having an upper wall above the level of oil in said crank case and adapted to cool air in said engine.

1,536,500. SHADE HOLDER FOR LIGHTING FIXTURES. EVERETT W. HOWE, Boston, Mass. Filed Apr. 21, 1924. Serial No. 707,948. 1 Claim. (Cl. 240—129.)



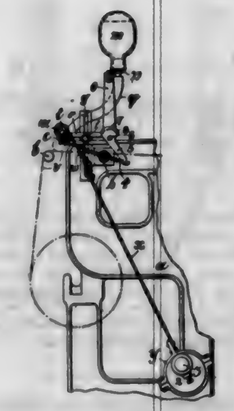
A lamp shade holder comprising a collar having radially disposed spaced arms, T-shaped spring members having their intermediate portions pivoted to the arms and the end portions of the said spring members being concaved transversely, the concaved surfaces being disposed toward the center of the collar and a locking band adapted to engage around the spring members.

1,536,501. DIRECTION INDICATOR FOR VEHICLES. LYDA DELBERT ICARD and HARRY FITZGERALD, Barbourville, W. Va. Filed May 17, 1924. Serial No. 714,038. 1 Claim. (Cl. 116—39.)



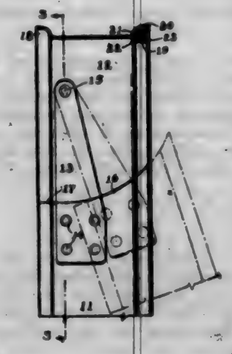
In a direction indicator for vehicles of the character described, a casing adapted to be attached to the vehicle, a pair of spaced vertically arranged cylinders within said casing, pistons movable within said cylinders, an indicating arm pivotally secured at one end to the upper end of a standard also within said casing and adapted to extend outwardly to a slot in said casing, a dingonally extending member formed upon the inner side of the arm, link connections between the opposite ends of said diagonal arms and the cylinder pistons, and valve controlled means whereby said cylinders may be connected to a suction means, whereby, by operation of the valve, a selective piston within its cylinder may be drawn downwardly for moving said signal arms to an indicating or non-indicating position.

1,536,502. MEANS FOR MOISTENING WARPS DURING WEAVING. CHARLES FREDERICK JONES, Newton Heath, Manchester, England. Filed Jan. 10, 1924. Serial No. 685,392. 4 Claims. (Cl. 139—36.)



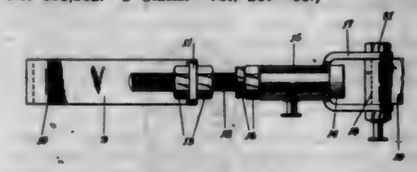
1. A warp moistening apparatus, comprising a stationary support, a water supply pipe mounted to rock in the support and having perforations in one side, a moistening pad secured at one side of the pipe over its perforations, a spring which moves the pipe axially in one direction to press the pad on the threads, and means for moving the pipe axially in the reverse direction at intervals to relieve the threads from the pressure of the pad.

1,536,503. VEHICLE WHEEL RIM. WALTER C. KEYS, Cleveland, Ohio, assignor, by mesne assignments, to James H. Wagenhorst, Jackson, Mich. Filed Sept. 20, 1919. Serial No. 325,242. 7 Claims. (Cl. 301—32.)



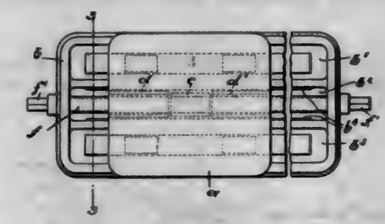
1. A vehicle wheel rim comprising a plurality of arcuate sections the ends of which are normally in abutting relation throughout their width, said sections being hinged together at points removed from their ends whereby they are capable of relative movement laterally of the plane of the rim and in such lateral movement the ends are relatively displaced laterally, and a one-piece detachable flange-ring on said rim adapted to normally hold said rim ends against relative movement.

1,536,504. VEHICLE SUSPENSION DEVICE. NATHAN H. KING, Modesto, Calif. Filed May 11, 1923. Serial No. 638,162. 1 Claim. (Cl. 267—66.)



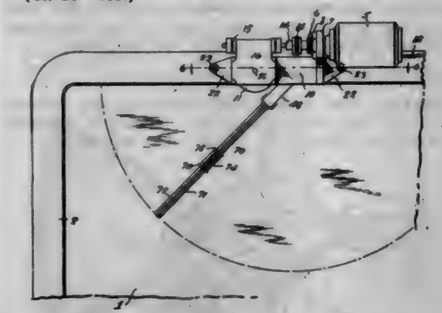
A tensioning rod for the structure described comprising a flat bar having a sleeve at one end and an upturned flange at its opposite end, a bolt adjustably and removably mounted through the flange, and a yoked sleeve, the bolt being turnably mounted in the sleeve.

1,536,505. APPLIANCE FOR REPLACING DERAILED RAILROAD VEHICLES. PAUL KREUTHAGE, Cannstatt, Germany. Filed Nov. 8, 1924. Serial No. 748,669. 8 Claims. (Cl. 104—273.)



1. Device for replacing on the track derailed railroad vehicles comprising a base plate, a truck guided longitudinally on said plate, a screw spindle extending longitudinally on and mounted in said plate for rotation, a nut secured against rotation on said spindle and lugs projecting from said truck and embracing said nut.

1,536,506. WINDSHIELD CLEANER. CHARLES F. LAGANKE, East Cleveland, Ohio, assignor to The Outlook Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 11, 1921. Serial No. 460,382. 10 Claims. (Cl. 15—253.)



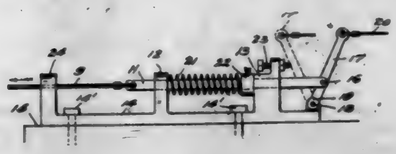
1. In a device of the character set forth, the combination of a casing designed to be attached to the inner side of a windshield frame, a motor supported by and exteriorly of the casing, a wiper supported on the outer side of the windshield in cleaning relation thereto, transmission mechanism within the casing, driving connections between the motor and said mechanism, said connections involving means for manually actuating said mechanism, and operative connections between the mechanism and the wiper.

1,536,507. HALTER. JOHN LAWSON, Meeting Creek, Alberta, Canada. Filed Mar. 1, 1924. Serial No. 696,251. 4 Claims. (Cl. 54—24.)



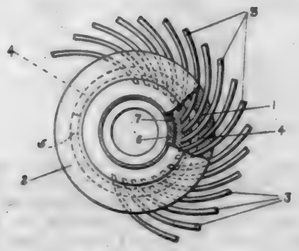
1. A halter comprising a plurality of similar fittings having a pair of openings separated by a cross web, a tie ring, and a single length of rope passed twice through all of the fittings and once through the tie ring to form a nose loop, a head loop and a throat loop.

1,536,508. WHISTLE-CONTROLLING ATTACHMENT. ALEXANDER LILJA, Noti, Oreg. Filed July 9, 1923. Serial No. 650,284. 3 Claims. (Cl. 74—5.)



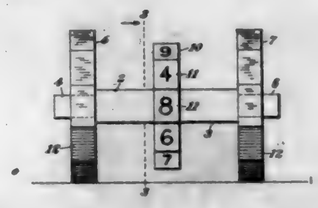
1. A whistle control attachment embodying a whistle valve actuating lever, a guide element, means receivable in the guide element and connected with the actuating lever for moving the same, a combination adjusting and stop member carried by the guide element and adapted to intercept the lever at a predetermined point in its path of travel, and a combination adjusting and stop member carried by the means for moving the lever for regulating the movement of said means, said adjusting and stop members being disposed for independent and relatively parallel movement along a line defined by the longitudinal axis of the lever moving means.

1,536,509. HUB AND SPOKE CONNECTION. NICOLÁS LOZANO, Marcos Paz, Argentina. Filed Feb. 23, 1924. Serial No. 694,616. 1 Claim. (Cl. 301—84.)



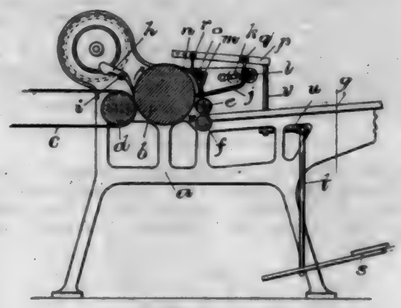
An improved hub and spoke connection comprising a casing; a plurality of spring blades in said casing each having an opening therein; and a spring ring in said openings adapted to secure the blades in said casing.

1,536,510. GAME APPARATUS. PATRICK J. MCGRATH and JOHN W. HALLOWELL, Brooklyn, N. Y. Filed July 12, 1921. Serial No. 484,092. 4 Claims. (Cl. 273—143.)



2. The combination of two members of substantially equal diameter mounted on a common axis and having alined flat peripheral bearing surfaces substantially concentric to the axis, a member of less diameter on the same axis having a series of characters spaced circumferentially, equal in number and alined respectively to the said peripheral bearing surfaces and means to prevent relative turning of said members.

1,536,511. GUMMING MACHINE. ANDREW BROWN MCLAREN, Toronto, Ontario, Canada. Filed Aug. 12, 1921. Serial No. 491,757. 1 Claim. (Cl. 91—49.)

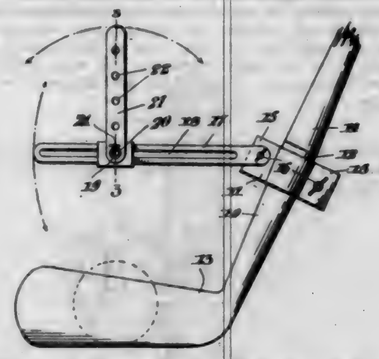


A gumming machine, in combination with the gum reservoir thereof, said gum reservoir consisting of a metal trough formed with a declining bottom, said reservoir located in parallel and juxtaposition with the distributing roller forming an essential part thereof, an adjustable gate fitted across the back end of the said reservoir, a scraper connected in hinged relation across the top of said gate, said scraper adapted to engage in tangential relation against the periphery of the said distributing roller, a foot lever arranged in conjunction with the said gate and said reservoir, said gate adapted to be vertically adjusted by the said foot lever for the purpose of permitting a determined quantity of glue to escape from the said reservoir onto the periphery of the said distributing roller, the said scraper adapted to gather and direct back into the said reservoir the superfluous glue from the face of the said roller, substantially as specified.

1,536,512. DEVICE FOR GOLF INSTRUCTION. ARTHUR CAMPBELL MCLAREN, Victoria, British Columbia, Canada. Filed July 14, 1924. Serial No. 728,042. 5 Claims. (Cl. 273—35.)

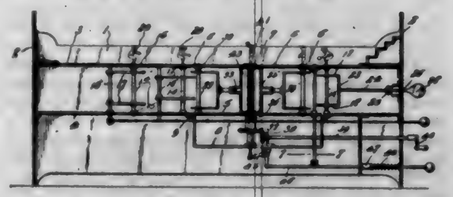
4. The combination with a golf club, of means for indicating the swing of the golf club and notifying the errors in the travel of said swing, comprising a flexible directing cord or the like anchored at both ends, an

arm parallel with the golf club head provided with an adjustable arm at right angles thereto, having a series of orifices therein adapted to individually receive there-



through said flexible directing means, and means on the golf club shank for adjustably supporting said spaced arm.

1,536,513. MECHANICAL BASEBALL GAME. HARRY MCNALL, Pittsburgh, Pa. Filed July 17, 1922. Serial No. 575,442. 3 Claims. (Cl. 273—89.)



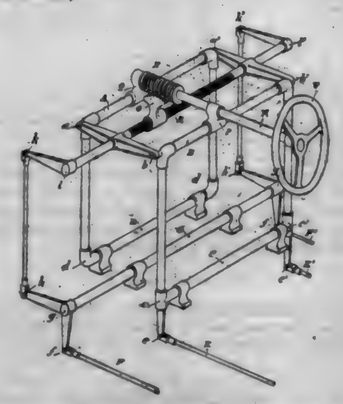
1. A game apparatus including a pair of parallel spaced boards having registering slots provided therein, a tube passing through the slots and provided with collars bearing against the affronting faces of the board to prevent the tubes from moving transversely through the slots, and means for moving the tubes longitudinally of the slots, a figure, a base pin on the figure adapted to be inserted in one end of the tube for movement on one of the boards.

1,536,514. CUTTING MECHANISM FOR HARVESTING MACHINES. FREDERICK W. MEHLS, Thief River Falls, Minn., assignor of forty-nine one-hundredths to John H. Fulton, Thief River Falls, Minn. Filed Feb. 12, 1923. Serial No. 618,577. 1 Claim. (Cl. 56—295.)



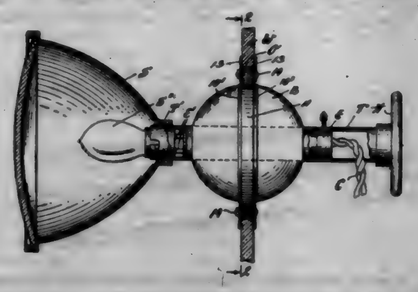
A cutting mechanism for harvesters or the like comprising a bar, a plurality of separable guard sections secured to said bar, a shaft mounted within each of the sections, the shafts of the sections being substantially aligned when the sections are applied to the bar, a coupling connection between the shafts of adjacent sections when applied, the shaft of each section being provided with a worm, a worm wheel coacting with the worm of the shaft, said wheel being supported by the section, a cutting element operatively engaged with the worm wheel, the coupling connection between the shafts on adjacent sections comprising two interlocking sleeve elements, each being carried by an adjacent shaft, said coupling connection permitting the shaft sections to be disconnected when the cutter mechanism is disassembled, and means for constantly urging the interlocking sleeve elements together when in operative or assembled position.

1,536,515. CONTROL POST. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed May 20, 1924. Serial No. 714,754. 7 Claims. (Cl. 244—29.)



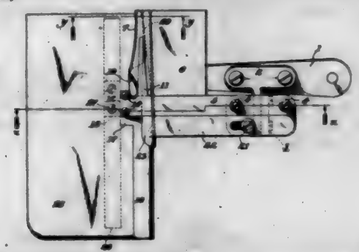
1. A control device for aircraft comprising, in combination with an elevator and ailerons, a pair of jointed parallelograms, levers for said elevator connected to said parallelograms, means connecting said parallelograms, a shaft slidable, mounted on said means between said parallelograms, a hand wheel carried by the shaft, a worm carried by the shaft, a bar pivotally carried by said parallelograms and having a splined portion, a worm sector slidably mounted in the splined portion of the bar and having engagement with said worm, a pair of parallelograms operatively connected to said bar, and levers connecting said ailerons and said last named parallelograms.

1,536,516. MEANS FOR SUPPORTING LAMPS. HERMAN H. MEYER, Jr., New York, N. Y. Filed Nov. 9, 1923. Serial No. 673,635. 3 Claims. (Cl. 240—61.)



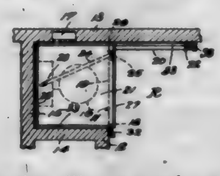
1. In a device for supporting a spotlight in the windshield of an automobile, a spherical element and a socket therefor adapted to be retained in said windshield, said socket comprising two resilient annular members having laterally curved parts engaging around said spherical element and a resilient band embracing said members and tightening them on said spherical element.

1,536,517. BORDER-FABRIC-STRIP GUIDE FOR SEWING MACHINES. WILLIAM OLDFIELD, Passaic, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 29, 1921. Serial No. 518,557. 8 Claims. (Cl. 112—137.)



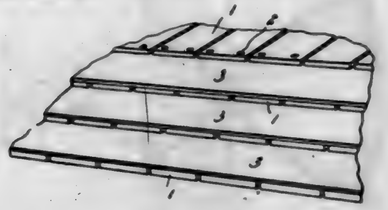
6. In a border-fabric strip-guiding attachment for sewing machines, the combination with upper and lower edge-turning scrolls, and scroll-supporting means, of a central-fold forming member comprising a substantially parallel walled U-shaped tongue having its free edges projecting within said scrolls, and supporting means in advance of said scrolls for said member affording preliminary edge-guides for a border-fabric strip.

1,536,518. EXTENSIBLE WALL CABINET. EDWARD THOMAS OSBORN, Seattle, Wash. Filed May 13, 1924. Serial No. 712,985. 5 Claims. (Cl. 20—1.11.)



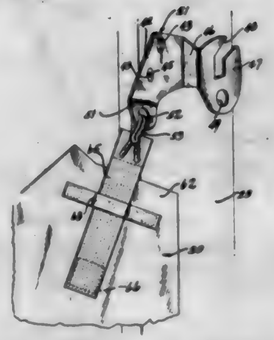
1. The combination with a room and a compartment in one of the walls thereof, of a structure comprising members hingedly connected to adjacent walls of said room so as to be swung into the room to enclose a space therein coextensive with the compartment, a ceiling member for said space, and means controlled by one of said doors to effect movement of the ceiling member to and from a concealed position within the compartment.

1,536,519. ROOF. EDWIN F. PARKER, Kansas City, Mo. Filed Apr. 30, 1923. Serial No. 635,422. 1 Claim. (Cl. 108—9.)



A roof structure comprising longitudinally tapered shingles arranged in overlapping rows upon a support, a plane strip of pliable material for each row of shingles, the strips being applied to the exposed upper surfaces of the rows of shingles, each strip having one of its edges flush with the butt end edges of one row of the shingles, and the opposite edge portion of the strip being inserted between the overlapping portions of adjacent rows of the shingles, securing devices passing transversely through the overlapping portions of adjacent rows of the shingles and passing through the edge portions of the strips, which are inserted between the overlapping portions of the adjacent rows of shingles, said securing devices entering the support, the arrangement being such that the butt end edges of the shingles are exposed above the upper surface of the strip which is applied to the upper surface of the next adjacent row of shingles.

1,536,520. AWNING STRUCTURE. GEORGE F. PARKER, Macon, Ga. Filed Apr. 20, 1922. Serial No. 555,757. 5 Claims. (Cl. 156—44.)



4. In an awning structure, the combination with a window casing, of a frame pivotally connected thereto, bracket members mounted upon said casing at a point remote from the connection of said frame thereto, a member supported by said brackets, a cover connected to the forward end of said frame and attached to said member, awning side panels connected to the side portions of said frame and extending upwardly along said cover to have an end thereof adjacent said brackets, an elastic tab upon the ends of the side pieces adjacent said brackets, and snap fastener means connected to said elastic tabs for attachment to said bracket whereby the side panels may be supported in taut relation from said frame.

1,536,521. PUMP FOR LAND-BURNING MACHINES. VERNON WOOD PARRISH, Medicine Hat, Alberta, Canada. Filed Jan. 19, 1924. Serial No. 687,285. 3 Claims. (Cl. 103—153.)



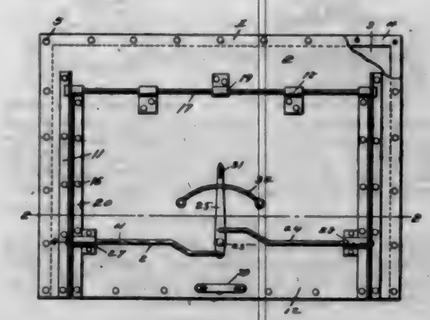
1. In a machine of the character described, and in combination, a pump, and means for regulating the pressure exerted by said pump, and comprising a casing, a pump chamber in said casing, a piston for said chamber, a spring-actuated ball valve communicating with the pump chamber, a ball-operated discharge valve communicating with the pump chamber, and fuel conveying pipes, the second spring-actuated ball valve communicating with the first-mentioned ball valve and with the discharge valve whereby, on the pressure exceeding a predetermined limit, the fuel is returned to the first-mentioned or intake ball valve, and to the pump chamber, and pump means communicating with the ball discharge valve.

1,536,522. EXTENSION PLUG FOR ELECTRIC SOCKETS. LOUIS P. PELLISSIER, Torrington, Conn. Filed Oct. 17, 1922. Serial No. 595,071. 1 Claim. (Cl. 175—343.)



In a lengthened separable attachment plug adapted to be connected to an electric lamp socket located in a position where it would be awkward or impossible to connect the ordinary "short" plug, a tubular casing, a pair of blocks fitting within the ends of said casing, each of said blocks having a pair of longitudinal conducting strips for connection with the male and female sections of an ordinary separable electric attachment plug, a pair of longitudinal conductors located in the central part of said casing and lying in substantial alinement with said strips, each of said blocks having an insulating barrier projecting inwardly for a substantial distance to separate said centrally located conductors from each other.

1,536,523. END-GATE CONSTRUCTION. VICTOR T. C. PETERSON, Atlanta, Nebr. Filed Aug. 5, 1924. Serial No. 730,288. 2 Claims. (Cl. 296—51.)



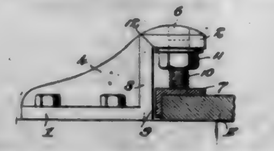
1. An end gate structure including a pair of spaced parallel plates having registering openings therein, one opening being smaller than the other, channel irons holding the plates in parallel spaced relation, two of said channel irons being disposed along the edges of the openings, and a door for said opening including a pair of spaced parallel walls, channel irons holding the walls in spaced parallel relationship, a pair of angle irons on the plate having the larger opening, one on each side of said larger opening, a rod attached to the upper edge of the door and extended through the angle irons so as to hingedly mount the door on the wall having the larger opening so that it may be swung into the openings for closing both openings, and slidable rods on the door projectable through the angle irons.

1,536,524. PROCESS FOR THE MANUFACTURE OF ARMOR PLATING. VICTOR PFERSDORFF, Hayange, Lorraine, France. Filed Aug. 8, 1922. Serial No. 580,547. 1 Claim. (Cl. 29—180.)



A process for the improvement of armor plates by means of hardening material, which consists in distributing a granular hardening material, of the abrasive type, over the metallic plate body in the form of a layer or stratum and in pressing it into said plate body in a warm state thereof to form an integral strengthening and protecting layer on the plate body capable of increasing its resistance to penetration.

1,536,525. CLOSURE FOR GRAIN CONTAINERS. WALTER H. PLATH, Baker, Mont. Filed May 16, 1923. Serial No. 639,298. 5 Claims. (Cl. 20—30.)



2. A device of the type described comprising a plurality of brackets, each formed with a head provided with an opening therein, a bar receivable beneath the heads of the brackets, studs formed on the bar, and means carried by the studs and operable upon the heads for adjusting the pressure exerted by the bar upon an object or objects therebeneath.

1,536,526. WINDOW CLEANER. THOMAS B. POLK, Seattle, Wash. Filed Sept. 15, 1922. Serial No. 588,377. 5 Claims. (Cl. 15—258.)

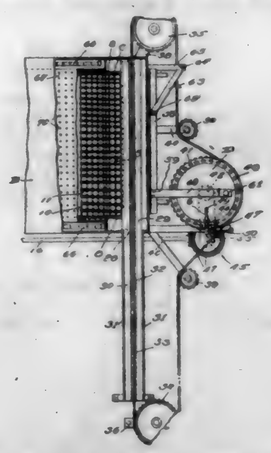


2. A window cleaning device having a cylinder mounted for reciprocatory movements across a window, a support for said cylinder comprising a stationary rod extending axially through both ends of the cylinder, a cleaning element, an arm therefor depending from and carried by said cylinder, a stationary guide rod disposed at a higher elevation than the cylinder and in parallel relation with the aforesaid rod, and a wheel carried by said cylinder and tracking against said guide rod.

1,536,527. EXHAUST BOX AND COOKER. CLIFFORD J. PUGH, Salem, Oreg. Filed Nov. 20, 1922. Serial No. 602,080. 1 Claim. (Cl. 198—31.)

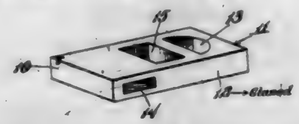
An apparatus for preheating cans of fruit or the like before sealing the cans comprising, in combination, an exhaust box, a conveyor travelling therethrough, a runway extending within the box adjacent to an end of the conveyor and transversely of said conveyor, a member disposed transversely of the conveyor and outwardly of the runway, said member being movable transversely of the runway, a rotatable member positioned adjacent to the box, and beams operatively engaged with one end portion of the member and with the rotatable member, an outstanding arm carried by the box adjacent the opposite end of the member, a rigid link pivotally

engaged with the outer end portion of said arm and the member, and means for rotating the rotary member, such rotation of the rotary member intermittently



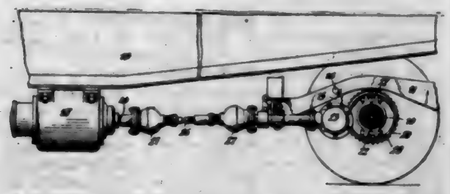
moving the first named member across the runway, the movement of said first named member across the runway in one direction forcing the cans upon the runway within the box upon the conveyor.

1,536,528. BUILDING BLOCK OR BRICK. CHARLES J. REEMANN, St. Louis, Mo. Filed June 5, 1924. Serial No. 718,095. 1 Claim. (Cl. 72—41.)



A building brick comprising a flat rectangular slab having adjacent one end face a vertical opening therethrough and adjacent the opposite end face a horizontal opening therethrough and intermediate said openings a second vertical opening, the end face adjacent the first named vertical opening and the adjacent portions of the side faces of the slab being glazed, the side of the second named vertical opening paralleling the glazed end face of the slab, the end walls of said second vertical opening being separated from the side walls by thin, readily breakable walls.

1,536,529. DRIVING MECHANISM FOR RAILWAY-CAR GENERATORS. WILLARD REA RICHARDS, Chicago, Ill. Filed Mar. 10, 1924. Serial No. 698,341. 5 Claims. (Cl. 105—109.)



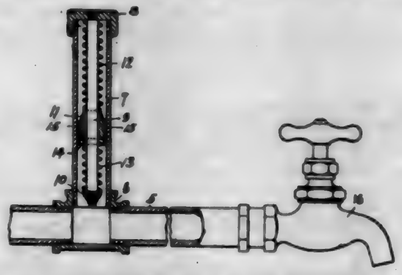
1. The combination with a car-body and a car-axle, of a generator mounted on the car body, a gear wheel mounted on the axle, a shaft-hanger supported for swinging movement toward and from said axle, a shaft journaled in said hanger parallel with said axle, a pinion mounted on said shaft and meshing with said gear wheel, co-operating distance drums mounted on said axle and said shaft for maintaining the gear wheel and the pinion constantly in proper mesh regardless of any movements of the car axle relative to the driven shaft, and means for transmitting motion from said shaft to said generator.

1,536,530. BUTTON. HYMAN ROSEN, New York, N. Y. Filed July 24, 1922. Serial No. 577,209. 6 Claims. (Cl. 24—93.)



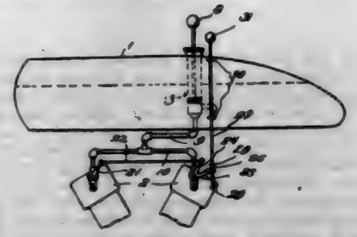
1. A button of the character described comprising two interlocking halves and a fixed stem extending from the periphery of the button and secured between said halves on the interlockment thereof.

1,536,531. HYDRAULIC SHOCK ABSORBER. JOHN HENRY SCHERMANN, Pittsburgh, Pa. Filed Apr. 22, 1924. Serial No. 708,197. 5 Claims. (Cl. 137—71.)



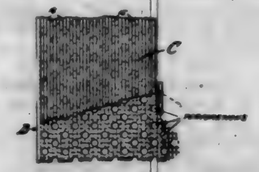
1. The combination with a water line, of a shock absorber comprising a chamber disposed outside of but tapped into said line, and a metallic piston fitting within said chamber and normally disposed intermediate the ends thereof, a communicating passage being provided between the opposite sides of said piston.

1,536,532. PRIMING MEANS FOR MOTOR-CYCLE ENGINES. ARTHUR SCHULZE and HARRISON SCHULZ, Deer Plain, Ill. Filed Apr. 19, 1924. Serial No. 707,709. 1 Claim. (Cl. 123—180.)



A structure of the class described comprising a manually operated pump including a cylinder and plunger reciprocable therein, a valved intake connected with said cylinder, and a discharge pipe leading from the bottom of the cylinder, oppositely extending branch pipes connected with said discharge pipe, pet cocks to which the outer ends of said branch pipes are connected, said cocks including a casing provided with parallel bores, the branch pipe communicating with one bore, and the other bore constituting an air passage, and being open to the atmosphere, a rotary turn plug in each casing, said plug being provided with ports in registry with each of said bores, a crank arm connected with one turn plug, a bell crank connected with the other turn plug, a link connecting said arm and one of the arms of the bell crank, and an operating rod connected to the remaining arm of the bell crank.

1,536,533. WET-WEB CARRIER FOR PULP AND PAPER MACHINES. WILLIAM E. SHEEHAN, Albany, N. Y. Filed Apr. 1, 1924. Serial No. 703,368. 5 Claims. (Cl. 92—49.)



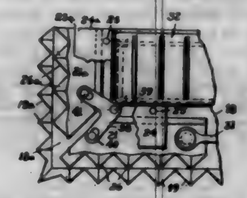
2. In pulp and paper machines the combination of a web forming device, press rolls, and conveying means adapted to convey the wet web of pulp from the web forming device to and between the press rolls said means including a perforated endless base of a resilient material, such as rubber, having a covering of yarns attached to the surface thereof.

1,536,534. COMB. BENJAMIN SILVERMAN, Chattanooga, Tenn., assignor of one-half to J. Russel Earp, Chattanooga, Tenn. Filed July 23, 1924. Serial No. 727,644. 3 Claims. (Cl. 132—14.)



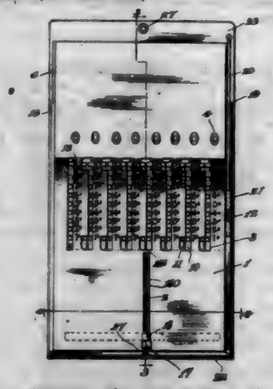
1. In a device of the kind described, a comb head comprising a cylindrical tube having an internally threaded portion at each end and a handle provided with a threaded shank selectively engageable in the threaded ends of said tube.

1,536,535. LOADING APPARATUS. CLYDE J. SMITH, Uniontown, Pa. Filed Apr. 27, 1923. Serial No. 635,001. 2 Claims. (Cl. 198—10.)



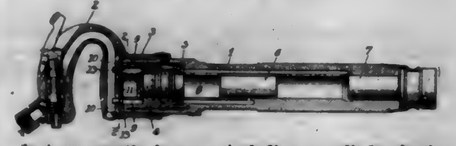
1. In a loading machine, a movable frame carrying a shoe arranged to move beneath a mass of loose material, a beveled toothed material agitating and lifting device slidable on the shoe at right angles to the movement of the latter, means to reciprocate said device and a carrier to receive the material under which the shoe and agitator have moved.

1,536,536. CALCULATOR. JOHN ANTHONY SMITH, Spokane, Wash. Filed Dec. 8, 1923. Serial No. 678,297. 3 Claims. (Cl. 235—69.)



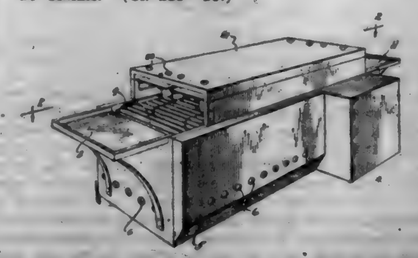
1. In a calculator, the combination of a face plate, a guide plate supported below the face plate, and a plurality of bowed number strips slidably mounted upon the guide plate between the same and the face plate and provided at their lower ends with projections bearing against the under surface of the face plate.

1,536,537. PNEUMATIC HAMMER. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 7, 1922. Serial No. 579,988. 7 Claims. (Cl. 121—26.)



1. A pneumatic hammer including a cylinder having a piston chamber, a valve block located in the rear end of the cylinder and having a central bore, a hollow valve in such block, said bore and valve forming the rear end of the piston chamber, a handle having a socket secured to the cylinder and clamping the block in place, and a gasket arranged between the rear end of the block and handle socket and closing the rear end of the piston chamber, said block having a series of ports and said gasket having a corresponding series of ports registering therewith and provided with a projection to engage one of the ports in the block.

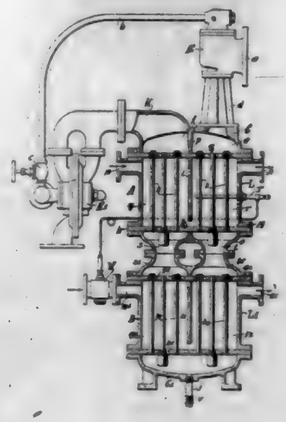
1,536,538. ELECTRIC GRILL. VERNON B. STOUFFER, Detroit, Mich. Filed Dec. 8, 1924. Serial No. 754,466. 10 Claims. (Cl. 219—19.)



1. An electric grill having an endless conveyor arranged to traverse a predetermined path during its upper flight, a single electric heating element, said element be-

ing adjustably secured above the central portion of the upper flight of the conveyor, a casing covering the heating element, and means for moving the conveyor at any desired speed.

1,536,539. FLUID-COMPRESSING APPARATUS. ROBERT SUCZEK, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 8, 1920. Serial No. 379,718. 38 Claims. (Cl. 230—13.)



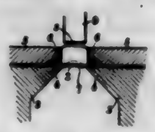
1. The combination with an ejector, of condenser structure into which said ejector discharges comprising a plurality of condenser units, and means for subjecting said units respectively to different cooling media.

1,536,540. FINGER RING. DAVID S. THOMAS, Brookline, Mass., assignor to Jason Weiler, William Weiler, and Gustavus Weiler, doing business under the firm name of Jason Weiler & Sons, Boston, Mass. Filed Mar. 11, 1924. Serial No. 698,363. 3 Claims. (Cl. 63—16.)



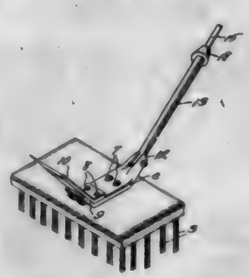
2. A pair of finger rings including a primary ring having coupling means wholly within its body, and embodied in an edge portion forming a wall of an internal cavity, and provided with a keyhole; and a secondary ring having coupling means wholly outside its outer surface, and embodied in a key projecting from an edge face of the secondary ring and adapted to be inserted in said key-hole and engage the edge portion of the primary ring in which the key-hole is formed, the arrangement being such that the key is insertible in the key-hole only when the auxiliary ring is out of coincidence with the primary ring, and is interengaged with said edge portion when the two rings coincide.

1,536,541. PROCESS AND APPARATUS FOR MAGNETIC SEPARATION. GEORG ULLICH, Magdeburg, Germany, assignor to the Firm Fried. Krupp Aktiengesellschaft Grusonwerk, Madgeburg-Buckau, Germany. Filed May 1, 1923. Serial No. 636,032. 10 Claims. (Cl. 83—71.)



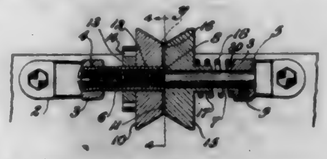
4. A process of magnetic separation consisting in conducting the material to be separated through a plurality of annular zones of a magnetic field, said zones lying in radial succession relative to a central axis, the strength of said fields increasing progressively from the inmost whereby the material passes through the outer field, to the inner field, and again through the outer field, the material being first subjected to magnetic influence on reaching the inner field.

1,536,542. COMBINATION FIRE BRUSH AND HOE. HERMAN A. WEGNER, Thief River Falls, Minn. Filed Oct. 15, 1923. Serial No. 668,754. 1 Claim. (Cl. 15—111.)



A brush including a flat rigid bristle plate having rectangular perforations, a plurality of flat-wire bristles fitted in each of said perforations and having laterally directed upper ends, a flat rigid cover plate disposed upon the bristle plate and having its margin turned about the edges of the bristle plate for securing said plates together, said laterally directed upper ends of the bristles being clamped between the lower surface of the cover plate and the upper surface of said bristle plate, and means securing the central portions of said plates together.

1,536,543. STRAND DETECTOR AND DETAINER. WILLIAM P. WILLIAMSON, Ludlow, Mass., assignor to Ludlow Manufacturing Associates, trustees, Boston, Mass. Filed Mar. 3, 1924. Serial No. 696,566. 10 Claims. (Cl. 242—36.)



2. In a filament handling machine having therein means to cause a filament to run past a point, the combination with said means of a guide about which the filament passes during operation of the machine, and having therein a slot of predetermined width adapted to be entered by a portion of the filament of less than the said predetermined thickness, thereby to detain the running filament.

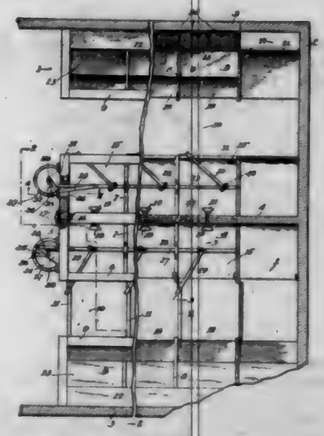
1,536,544. PROCESS OF PURIFYING ETHERS. HERMAN F. WILLKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Sept. 10, 1921. Serial No. 499,616. 11 Claims. (Cl. 260—151.)

1. A process of purifying an ether comprising washing it with water and then with an oxidising liquid.

1,536,545. PURIFICATION OF ESTERS. HERMAN F. WILLKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,756. 8 Claims. (Cl. 260—106.)

1. The process of purifying an impure amyl acetate comprising treating it with an oxidising agent while cooling the reaction mixture.

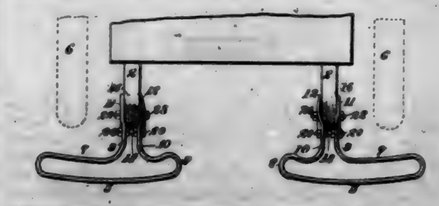
1,536,546. SHOWER AND DRESSING ROOM UNITS. CHARLES L. WILSON, Los Angeles, Calif., assignor to Charles Lewis Wilson, Incorporated, a Corporation of California. Filed Dec. 19, 1924. Serial No. 757,054. 11 Claims. (Cl. 20—1.)



1. A room having a plurality of longitudinally spaced transverse partitions at opposite sides thereof forming a central corridor extending the length of said room and compartments one beyond another at opposite sides of said corridor and opening into the latter opposite one another, showers in the respective compartments at one side of said corridor, the compartments at the opposite side of said corridor forming dressing rooms, closure means hinged at the openings for the respective shower rooms and adapted when swung in opposite directions to either close the shower rooms and provide an unobstructed central corridor communicating with the respective dressing rooms or extend across said central corridor and against the openings for the respective dressing rooms so that next adjacent closure means provide side closures for transverse passageways connecting opposite shower and dressing rooms, and means for dependently swinging said closure means to their respective positions.

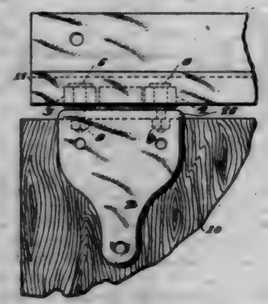
1,536,547. VEHICLE BUMPER. GEORGE F. WILSON and LOUIS M. GOLD, Sacramento, Calif. Filed Oct. 20, 1923. Serial No. 669,702. 3 Claims. (Cl. 293—55.)

1. For use with an automobile having a frame provided with downwardly inclined horns at its end, a bumper comprising in part a pair of attaching portions for embracing a horn, said attaching portions being inclined downwardly from their associated supporting arms, one of said attaching portions being outwardly curved to afford a resilient clamp and the other being angularly bent outwardly providing between them an enlarged recess for receiving opposite sides of the horn,



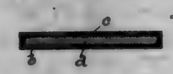
said curved and bent portions affording horn engaging flanges at their opposite terminals, and means passing through said attaching portions and said horn to secure the bumper thereto with said supporting arms substantially horizontally disposed.

1,536,548. DOOR HANGER. HENRY WOLTERS and MILO HARTMAN, Centralia, Wash. Filed Oct. 5, 1922. Serial No. 592,594. 1 Claim. (Cl. 16—91.)



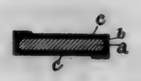
Means for supporting and guiding a sliding freight car door, said door having a longitudinal channeled bottom, comprising a plurality of brackets arranged at the door bottom, each of said brackets comprising a plate attachable to the car body, a flange at substantially right angles to said plate, a bearing roller having its axis perpendicular to said plate, a segment of said roller projecting through an aperture in said flange, a guide roller having a substantially perpendicular axis mounted on said flange and lying substantially in the plane of said bearing roller, and a wall on said flange spaced outwardly from said rollers for guarding the latter, said rollers projecting within said channeled door bottom for respectively supporting and guiding the door; and means for guiding the door top.

1,536,549. LIGHT-COLORED ASPHALTIC SURFACE. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 27, 1920. Serial No. 369,294. Renewed Oct. 8, 1924. 5 Claims. (Cl. 91—68.)



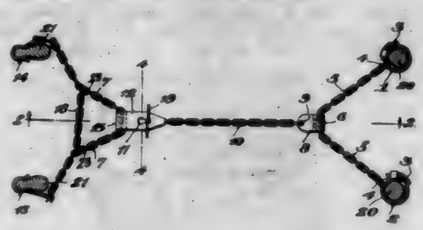
1. The combination with an article having an asphaltic or like hydrocarbonaceous surface, of a light-colored flexible, thin layer or film affixed directly to said asphaltic surface to contact therewith and having a base and a light-colored pigment whose color is substantially unaffected by said asphaltic surface.

1,536,550. PROTECTED METAL ARTICLE. JAMES HOWARD YOUNG, Pittsburgh, Pa., assignor to H. H. Robertson Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 26, 1921. Serial No. 455,963. 1 Claim. (Cl. 154—45.9.)



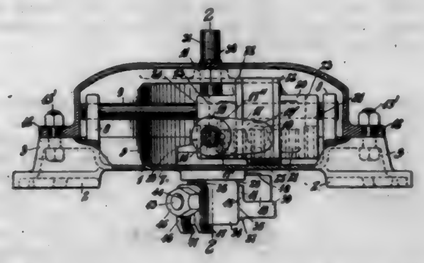
As an improved article of manufacture, a protected metal article comprising an article of corrodible metal, a layer of bituminous or like hydrocarbonaceous material covering said corrodible metal, and a metallic envelope of relatively non-corrodible metal foil covering the opposite surfaces and side edges of the corrodible metal article and affixed thereto by the interposed layer of hydrocarbonaceous material.

1,536,551. HOPPLE. THEODORE YOUNG, Waverly, St. Regis Falls, N. Y. Filed Oct. 24, 1924. Serial No. 745,579. 2 Claims. (Cl. 119—128.)



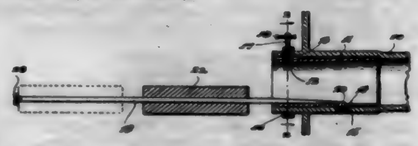
1. A hopple or anti-kicking device, comprising adjustable straps for the front legs, loops secured to said straps, a chain having its ends secured in said loops, a connector member having an eye through which said chain is passed, a second connector member having an eye and a key-hole slot, a second chain secured to said first member and adjustably engaged in said slot of the second member, a pair of hook shackles for the hind legs, one of said shackles having a key-hole slot, a third chain having one end engaged in said slot of one shackle and the other end secured to the other shackle, and a fourth chain passed through said eye of said second member and detachably connected to said third chain.

1,536,552. SWITCH STAND. FRANK C. ANDERSON, Cincinnati, Ohio. Filed Dec. 17, 1924. Serial No. 756,455. 31 Claims. (Cl. 246—411.)



3. In a switch-stand, mechanism comprising a lever and a crank coaxially connected, a rack engaged by said crank and having a series of teeth, a gear meshing with said teeth, means to operatively connect said gear to a switch, and means for operatively supporting said mechanism.

1,536,553. ROLLER-BEARING-SLEEVE PULLER. SIGO A. ANDERSON, Jr., Whipple Barracks, Ariz., assignor of three-fourths to Enoch C. Seale, Whipple Barracks, Ariz. Filed Jan. 27, 1923. Serial No. 615,269. 1 Claim. (Cl. 29—88.2.)



1. In a roller bearing sleeve pulling device, the combination of a unitary shank having a flat forward end portion provided at one side thereof with a terminal disc-shaped knob to fit in a circular opening in a bearing sleeve, the periphery of the knob being undercut at the rear side of the knob to coact with the rear portion of the wall of said opening for resisting dislodgment of the knob by the force of rearward impact upon the shank, a nut at the rear end of the shank, and a removable sleeve slidable upon the shank between the flat forward end portion thereof and said nut and movable to impact the nut for driving the shank rearwardly and removing the sleeve.

1,536,554. FRUIT GATHERER. GURNEY A. AYERS, Mount Airy, N. C. Filed June 1, 1921. Serial No. 474,223. 1 Claim. (Cl. 56—339.)

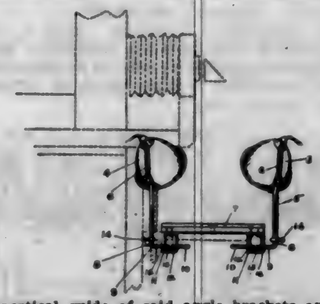


A fruit picking device comprising an elongated handle, a flat bar secured at the upper end of the handle provided with a laterally extending supporting tongue arranged over the end of the handle, a hoop secured to said tongue disposed in the same plane as the handle, a plurality of gathering fingers secured to the hoop and extending outwardly therefrom, a gathering chute provided with a lateral extension having an opening therein for receiving the handle and a plurality of spaced eyelets for receiving certain of the gathering fingers, and inwardly directed hooks formed on the fingers for facilitating the picking of the fruit and for preventing the displacement of the chute from off of said fingers.

1,536,555. ILLUMINATING APPARATUS FOR PHOTOGRAPHIC COPY BOARDS. WEBB W. AYRES, Pavilion, N. Y., assignor of three-eighths to Richard Walter White and two-eighths to Ambrose A. Merry, both of Rochester, N. Y. Filed Apr. 1, 1922. Serial No. 548,595. 3 Claims. (Cl. 240—2.)

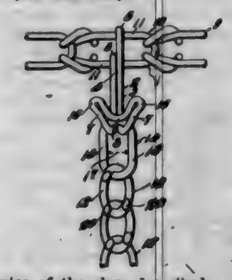
1. In an apparatus for illuminating a photographic copy board, the combination of a series of reflectors grouped at equal distances from the center of the copy board on all sides or corners thereof at a predetermined angle thereto, a support for each of said reflectors mounted on the under side of the copy board, an angle bracket mounted to horizontally slide in and out of each

of said supports and projecting above said copy board yielding means adapted to increase the frictional contact of said angle brackets with said supports, each of said angle brackets forming a horizontal and a vertical guide, means for adjustably supporting said reflectors



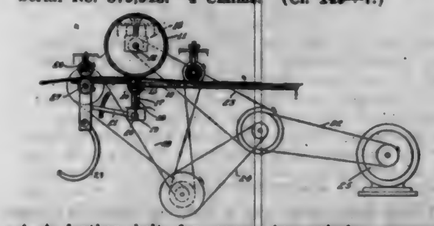
on the vertical guide of said angle brackets and means provided on the horizontal guide and vertical guide of said angle bracket to enable a vertical adjustment of the reflectors to a given horizontal adjustment of said angle brackets.

1,536,556. TIRE CHAIN. GILES A. BECKWITH, Waterford, Conn. Filed Sept. 15, 1923. Serial No. 662,931. 2 Claims. (Cl. 152—14.)



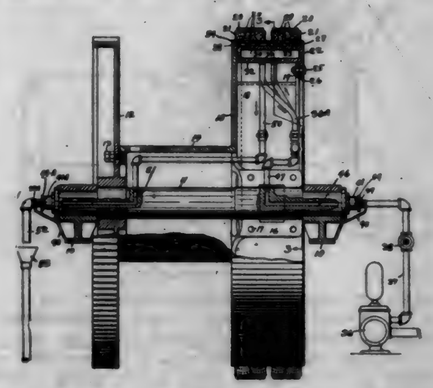
1. In a device of the class described, a connector comprising arms defining a shank, the arms merging into diverging hooks which are inclined toward the shank, the hooks being united by an integral U-shaped connection located between the hooks and extending in a direction opposite to that in which the hooks extend, a side chain wherewith the shank is engaged, and a cross chain embodying a link wherewith the hooks are engaged, the space between the ends of the hooks being greater than the distance between the sides of the last specified link.

1,536,557. POWER-TRANSMISSION BELT. FLETCHER W. BROWNING, Kingsport, Tenn. Filed Aug. 5, 1922. Serial No. 579,945. 4 Claims. (Cl. 149—7.)



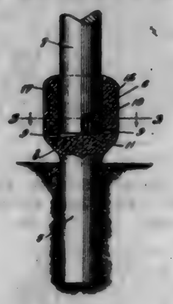
4. A leather belt for power transmission purposes having a grain side working surface with a portion of the epidermis removed uniformly from its entire surface whereby to increase the coefficient of friction between the belt and a pulley.

1,536,558. FORCED-CIRCULATION BRAKE. HARRY E. BUKOWSKY, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg., a Corporation. Filed July 28, 1923, Serial No. 654,494. Renewed Mar. 25, 1925. 10 Claims. (Cl. 188—264.)



5. A brake drum consisting of a rotatable cylinder having formed in its outer surface a plurality of channels having placed across alternate channels two spaced rows of dams in a manner to make the ends of the adjacent channels overlap, a triple manifold formed on the inside of said drum the central section of said manifold lying under said overlapping channel ends, and having a port in the bottom of each overlapping channel opening into said central section, each channel also having an inlet port on the side of its dam opposite said first mentioned ports and opening into an outer portion of said manifold.

1,536,559. POST CONSTRUCTION. EDWARD WILLIAM CARROLL, Weston, W. Va. Filed May 26, 1923. Serial No. 641,782. 2 Claims. (Cl. 72—84.)

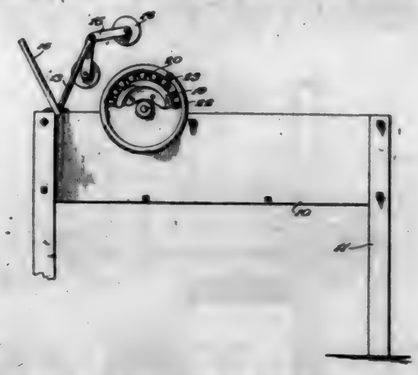


1. In a fence post construction, a base section having a post opening and having a groove formed therein, said grooves being formed with a right angled end portion, a post section having a groove adapted to register with the first mentioned groove when the post is fitted in the base section, and a roller of a width to extend into both grooves when the roller is dropped into the base section.

1,536,560. WASHING MACHINE. REUBEN E. CAUDILL, Northwilkesboro, N. C. Filed Sept. 14, 1923. Serial No. 662,691. 1 Claim. (Cl. 68—22.)

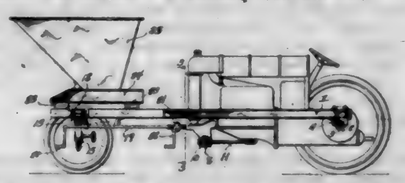
A washing machine comprising a tub, a longitudinally corrugated drum revolubly mounted therein, means for connecting the drum with a source of power, a rock shaft mounted on the tub at one end thereof, arms extending radially from the rock shaft over the tub,

yokes pivoted upon the free ends of said arms and each consisting of branches diverging downwardly relative to the arms, rollers extending between and journaled



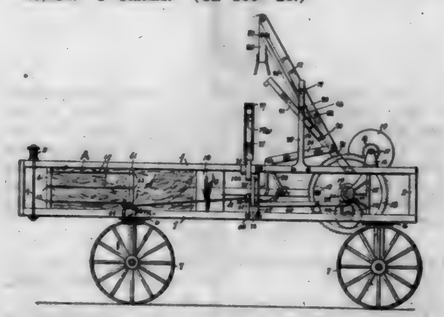
in the ends of the yokes, a spring secured upon the tub and engaged with one of the arms to yieldably hold the rollers to the corrugated drum, and a handle member projecting from the rock shaft.

1,536,561. TRACTOR ATTACHMENT. ROBERT A. CHADWICK, Jr., Milwaukee, Wis. Filed Oct. 9, 1923. Serial No. 667,472. 3 Claims. (Cl. 180—1.)



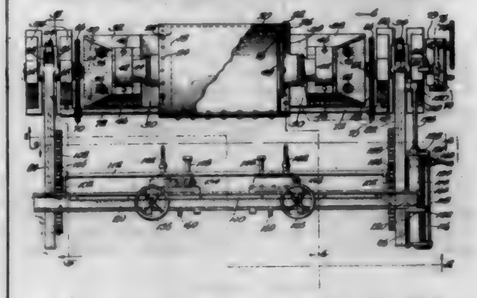
1. The combination of a tractor having a front axle, a wishbone brace extending therefrom, said tractor having a rear axle housing and rear wheels, a pair of side bars positioned upon opposite sides of said tractor, means clamping the rear portion of said side bars to said rear axle housing, brackets extending from an intermediate portion of said side bars and receiving the knuckles of the front axle, a front axle carried by the front portion of said side bars, and wheels carried by the last mentioned front axle.

1,536,562. BALING PRESS. DE YOE C. CHIPMAN, Ann Arbor, Mich. Filed June 15, 1923. Serial No. 645,484. 3 Claims. (Cl. 100—25.)



1. In a baling machine of the character described wherein the material to be baled is compacted within a baling chamber between dividing blocks, the combination of a conveyer to carry the material to the baling chamber, means to interrupt the passage of the material, means to position dividing blocks in the baling chamber, and means connecting said positioning means for the dividing blocks and the interrupting means to cause the latter to act while a dividing block is being positioned.

1,536,563. ASSEMBLY MACHINE. OSCAR L. COFFEY, Harvey, and WALTER DE VRIES, Chicago, Ill., assignors to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Mar. 7, 1923. Serial No. 623,364. 20 Claims. (Cl. 29—33.)

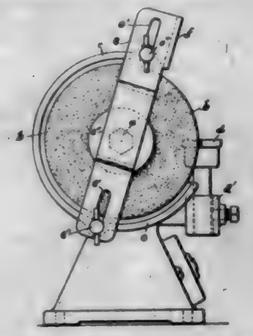


1. In mechanism of the class described, in combination, a support for an object to be worked upon, a swinging arm pivoted at each end of said support, means operating one of said arms, means operatively connecting said last mentioned arm to the other arm to correspondingly rock it, a tool carrying member connecting said swinging arms reciprocable along them to and from said work supporting means, power means reciprocating said tool carrying member, and a selectively positionable tool head reciprocable on said tool carrying member.

1,536,564. PROCESS OF TREATING SOUPLED SILK AND PRODUCT THEREOF. CHARLES P. COLE, Sr., Paterson, N. J. Filed Mar. 5, 1923. Serial No. 623,078. 9 Claims. (Cl. 8—13.)

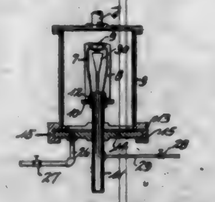
3. The process of treating silk comprising soupling, weighting, weaving, completely degumming and dyeing it, in the order named.

1,536,565. GUARD FOR GRINDING WHEELS. EDWIN L. CONNELL, Cleveland, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 15, 1922. Serial No. 553,027. 4 Claims. (Cl. 51—268.)



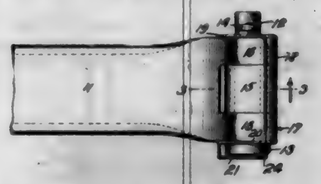
1. The combination with a grinding wheel, of a main guard casing conforming to and nesting over a greater portion of the periphery of said grinding wheel and exposing a portion of said wheel for grinding purposes, a supplemental guard support upon the end of said main guard and including means for guiding it radially with respect to said wheel, a laterally extending guard plate carried by said supplemental guard support and extending toward the wheel at the end of the main guard, and means for clamping said supplemental guard support in any adjusted position.

1,536,566. METHOD OF MAKING ARTICLES FROM PULP. SIMON COOPER, Brooklyn, N. Y. Filed Mar. 14, 1923. Serial No. 625,122. 1 Claim. (Cl. 92—57.)



The process of forming articles from pulp-like material which comprises applying suction to the exterior of a porous mold whose interior is in communication with a body of pulp, and controlling the application of such suction to cause a filling of the mold at a predetermined rate, and then admitting air directly at the top of the mold thereby relieving the suction on the interior of the mold.

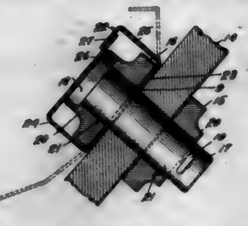
1,536,567. CAR-TRUCK BRAKE-BEAM MECHANISM. SETH A. CROND, East Orange, N. J. Filed Aug. 2, 1924. Serial No. 729,692. 6 Claims. (Cl. 188—213.)



3. In car-truck brake-beam mechanism, a brake-beam suspension bar, an overhead guard bar, said bars at their outer ends being formed with outwardly projecting matching transverse sleeves, a transverse pin extending through said sleeves for securing said ends together, said pin having a head on one end and equipped with a cotter key at the other end, and a retaining device for said pin, said device comprising a body portion bridging said sleeves, an apertured end member on the device between said cotter key and the adjacent sleeve, an apertured end member on said device between the head of the pin and the sleeve adjacent thereto and an extension member extending from the last mentioned end member and bent over against the outer face of said head.

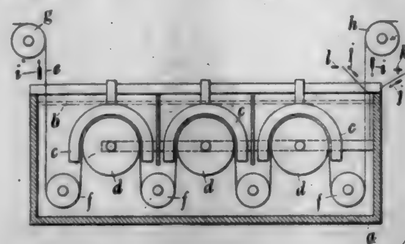
1,536,568. PIN OR BOLT RETAINER FOR RAILWAY-BRAKE-BEAM LEVERS AND CONNECTIONS. SETH A. CROND, East Orange, N. J. Filed Oct. 13, 1924. Serial No. 743,429. 3 Claims. (Cl. 188—231.)

1. A pin or bolt retaining device of the character described for brake levers and the like comprising two parts having holes in register and a headed pin inserted through said holes for connecting said parts in free face-to-face relation, in combination, said retaining device for said pin being of sheet metal and comprising a middle or base section interposed between said parts and having a hole through which said pin passes, end sections extending outwardly from the ends of said base section and outer sections extending from the outer ends of said end sections and adapted to be folded toward each other at the outer face of the head of the pin, said device forming a box-like band encompassing one of said parts and the head of the



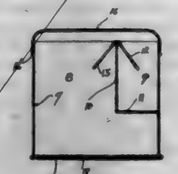
pin, and one of said outer sections being materially longer than the other outer section, which overlaps the outer end of said longer section, for the purpose described.

1,536,569. IMPREGNATION OF FIBERS BY ELECTROLYSIS. HENRY CRUSE, Hyde, England. Filed Aug. 15, 1924. Serial No. 732,318. 4 Claims. (Cl. 204—1.)



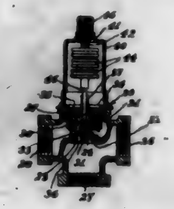
1. An apparatus for electrolytically impregnating fibers with a chemical compound, comprising an electrolyte including a metallic salt, electrodes arranged in the electrolyte for electrolytically producing a chemical impregnating compound, one of said electrodes being formed of metal, means for introducing an electric current into one of said electrodes and for discharging the same from the other one of said electrodes, and means for immersing the fibers in said electrolyte and between said electrodes, for causing the current to pass through the fibers and to electrolytically impregnate the fibers with said compound.

1,536,570. COMBINATION CIGARETTE AND MATCH BOX. SAMUEL W. DENNY, Detroit, Mich. Filed Apr. 8, 1924. Serial No. 704,910. 2 Claims. (Cl. 206—38.)



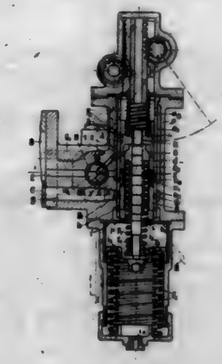
1. A container of the class described comprising a plurality of compartments, one of said compartments being of less depth than the other and provided with a side wall; and a metallic resilient member doubled upon itself and positioned on said side wall, one portion thereof being adapted to extend in one compartment for engaging material placed therein for maintaining the same in upright position and the other portion thereof being positioned in the other compartment for engaging material placed therein for maintaining the same in upright position.

1,536,571. VALVE FOR TRAPPED SYSTEMS. JAMES A. DONNELLY, Brooklyn, N. Y. Filed Mar. 22, 1921. Serial No. 454,382. 8 Claims. (Cl. 236—56.)



1. In combination, a valve casing having a single closure member; a means constantly adjustably yieldably tending to close said member; and a temperature controlled means also acting to control said same single member.

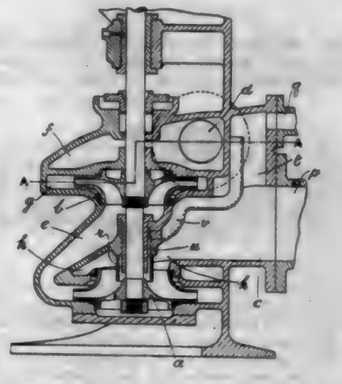
1,536,572. RAILWAY BRAKE. IVAR DROLSHAMMER, Drammen, Norway. Filed May 26, 1923. Serial No. 641,668. 10 Claims. (Cl. 303—28.)



1. A compressed-air railway brake of the type in which on initiating the braking the brake pressure rises at first rapidly up to a predetermined low limit, whereas the further rise proceeds but slowly, characterized thereby that the control piston which is moved into positions corresponding to the air pressure existing in the train pipe and being determined by the adjustment of the driver's brake valve controls, together with the control slide valve proper of the brake control valve, the flowing over of the compressed air into the brake cylinder in such a manner that on initiating the braking, the air can flow rapidly into the brake cylinder until a desired minimum pressure has been attained, whereas from that time the compressed air which is still required can flow automatically into the brake cylinder only through a narrow throttling aperture, so that the further rise of the braking pressure proceeds but slowly.

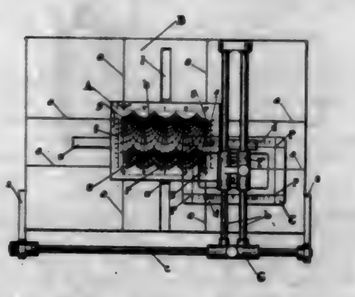
1,536,573. CENTRIFUGAL PUMP. JOHN WHITEHEAD WILSON DRYSDALE and JOHN YOUNG, Yoker, near Glasgow, Scotland, assignors to Drysdale & Company, Limited, Yoker, near Glasgow, Scotland. Filed Nov. 3, 1923. Serial No. 672,573. 3 Claims. (Cl. 103—108.)

3. A centrifugal pump having a vertical axis of rotation and comprising a first-stage impeller located at the bottom of the pump, the eye of this impeller being at the top thereof a second-stage impeller located above the said first-stage impeller, the eye of this impeller being at the bottom thereof, a chamber located above the said first-stage impeller and in communication with the eye of this impeller, a balance pipe connecting the said chamber with the vessel which is being drained



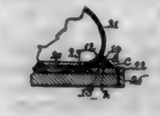
or drawn from, an annular passage located at the eye of the said first-stage impeller and leading upwards therefrom, and a duct leading from the said passage to the said chamber.

1,536,574. CALCULATING DEVICE. JESSE WILLIAM MUNROE DU MOND, Pasadena, Calif. Filed July 7, 1924. Serial No. 724,741. 9 Claims. (Cl. 235—61.)



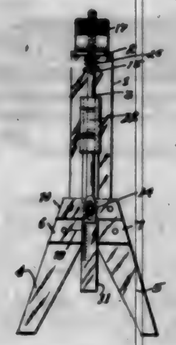
1. A calculating device comprising essentially a reference chart having rectilinear coordinates and movable relative thereto with a movement of pure translation a chart having curvilinear coordinates and having attached to said reference chart and adjustable indicator.

1,536,575. CORK-SOLE WELT. LE ROY F. EMERY, Brockton, Mass., assignor to Ashton Hamilton, Brockton, Mass. Filed Mar. 28, 1924. Serial No. 702,557. 4 Claims. (Cl. 36—78.)



1. A cork sole welt for boots and shoes comprising a substantially triangular inner member having two sides of substantially equal width and a third side of a greater width, and an outer member enveloping said inner member and extended beyond the same to form a flap.

1,536,576. CALIPER. CARL B. FIELDS, San Francisco, Calif. Filed July 14, 1921. Serial No. 484,561. 3 Claims. (Cl. 33—178.)



1. In a caliper, a plate, a pair of diverging arms carried thereby, at one end thereof, a slide projectable between the arms and carrying a series of graduations, a longitudinally slidable rod carried by the plate, means frictionally connecting said slide and rod for movement in unison, a micrometer nut having a series of graduations on its periphery and threaded on said rod, and a spring holding said nut in contact with an upturned portion of said plate there being reading lines on said plate cooperating with the graduations on said slide and nut respectively whereby the size of circular objects may be ascertained.

1,536,577. VENTILATED HAT. STANLEY FRITZ and ALEXANDER FRITZ, Manayunk, Philadelphia, Pa. Filed Aug. 2, 1924. Serial No. 729,775. 4 Claims. (Cl. 2—176.)



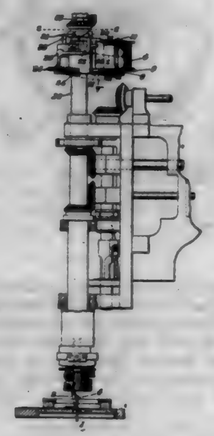
1. A hat comprising a rim, an upper crown section having its side wall spaced above said rim, a lower crown section of openwork form connecting the rim with the upper crown section, vertical guides at the inside of the hat connected with the rim and the upper crown section to hold them in properly spaced relation, slides movable vertically along said guides, and a band within the hat secured to said slides, said band being upwardly movable into the upper section of the crown or downwardly movable for disposition at the inner side of said open-work lower crown section.

1,536,578. FABRIC-FEEDER FOR BEAD SEWING MACHINES. JOSEPH A. GROBLI, New York, N. Y. Original application filed Feb. 18, 1921, Serial No. 445,943. Divided and this application filed Feb. 28, 1923. Serial No. 621,756. 5 Claims. (Cl. 112—216.)



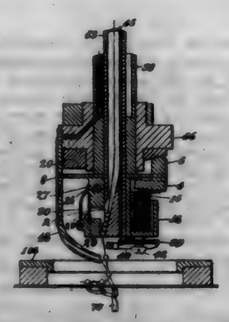
5. The combination, in a bead sewing machine, of a feeder foot, a fabric feeder provided with a yieldable fabric engaging face and surrounding the stitch position and having a ball and socket connection with the foot so as to permit the feeder to automatically retain a leveled position relative to the fabric during the feeding movements.

1,536,579. SEWING MACHINE. JOSEPH A. GROBLI, New York, N. Y. Filed July 16, 1923. Serial No. 651,767. 4 Claims. (Cl. 112—99.)



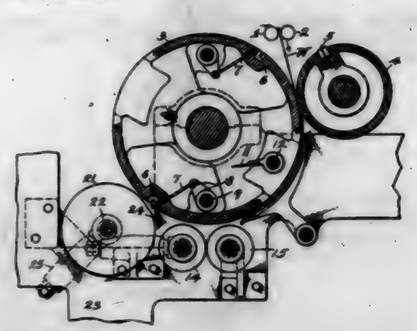
1. In a sewing machine, embodying loop stitch forming means including a barbed needle, the combination of rotatable thread carrying and supplying means, automatic means for temporarily and positively arresting and holding the thread carrying and supplying means once during each stitch cycle, so as to permit the release of the thread, and means for positively increasing the tension on the thread after the carrying and supplying means has been arrested and the loop has been cast around the needle below the barb, whereby the loop will be snugged under the barb for each stitch.

1,536,580. SEPARATOR FOR BEAD-SEWING MACHINES. JOSEPH A. GROBLI, New York, N. Y. Filed Jan. 9, 1924. Serial No. 685,084. 8 Claims. (Cl. 112—99.)



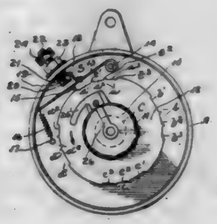
1. The combination, in a sewing machine, of stitch-forming mechanism means for supplying a thread with beads loosely strung thereupon, bead separating means, and optionally operable means for superseding the operation of the separating means.

1,536,581. FOLDING MECHANISM. JOHN J. HALLIWELL, Mount Vernon, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,582. 12 Claims. (Cl. 270—76.)



1. The combination of a folding cylinder having sheet taking devices and a folding blade, folding devices co-operating therewith to fold off a sheet, and pressure devices acting to hold the sheet and prevent it from slipping on the cylinder between the time the sheet taking devices release the sheet and the time the blade tucks the sheet into the co-operating folding devices.

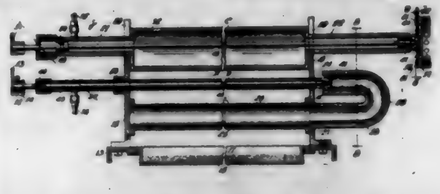
1,536,582. IGNITION-CONTROLLING APPARATUS. ALONZO HOWARD, Chicago, Ill. Filed May 23, 1924. Serial No. 715,397. 11 Claims. (Cl. 123—146.5.)



1. In an ignition system the combination of inductively related primary and secondary circuits, a spark plug connected in the secondary circuit, a source of alternating current for the primary circuit, circuit controlling mechanism for said primary circuit, and means for causing three or more operations of said circuit controller mechanism during each ignition period of the engine with which said spark plug is associated, each operation controlling the primary circuit to cause a flow of secondary current and a spark at the spark plug whereby a series of distinct sparks is caused at the spark plug during each ignition period, the time intervals between the sparks being different.

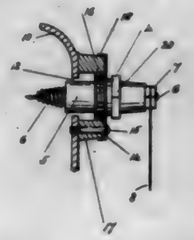
1,536,583. HYDROCARBON BURNER. RALEIGH O. HUMPHREY, Chicago, Ill., assignor to American Automatic Heating Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 18, 1922. Serial No. 537,366. 5 Claims. (Cl. 158—61.)

3. In a hydrocarbon burner, the combination with a main vaporizing generator; of an auxiliary vaporizing generator in the form of a pipe; a burner proper comprising twin arranged laterally separated slotted pipes



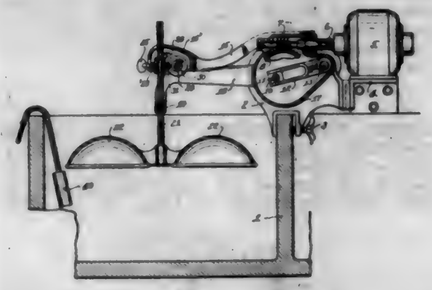
disposed below said auxiliary generator and the main generator; and means for supplying said burner proper with vaporized fuel.

1,536,584. MAGNETO POST. DON C. HUSTED, Marshall, Okla. Filed Apr. 11, 1922. Serial No. 551,616. 1 Claim. (Cl. 173—324.)



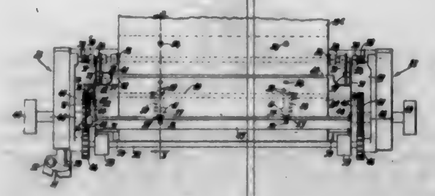
A magneto contact comprising a short tubular body adapted to be arranged about the magneto contact opening of a magneto casing, an annular disk applied to the outer end of the short tubular body and having inner and outer strengthening flanges defining an annular groove snugly receiving the outer portion of said short tubular body, said inner strengthening flange being internally threaded, a contact member threaded through said inner flange and extending beyond the inner end of said short tubular member, and fastening devices extending through said annular disk and said body and adapted to connect the body to a magneto casing.

1,536,585. WASHING MACHINE. AXEL JOHNSON, Oakland, Calif. Filed Aug. 26, 1924. Serial No. 734,198. 5 Claims. (Cl. 259—144.)



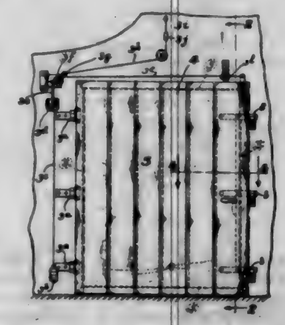
1. A washing machine comprising a supporting member; a substantially vertically reciprocating arm extending therefrom; a dasher pendulously carried by said arm and vertically movable therewith; a fixed bracket disposed parallel with the arm, and affording a guide for the dasher and means actuated by the relative swinging movement between said arm and said dasher for imparting horizontal angular oscillating motion to said dasher.

1,536,586. TYPEWRITING MACHINE. ARTHUR A. JOHNSON, New York, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 30, 1923. Serial No. 615,846. 17 Claims. (197—126.)



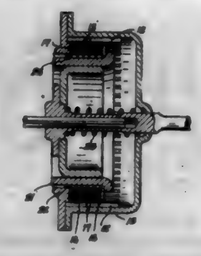
1. In a typewriting machine, a rotary platen, means for feeding a multiple-ply, continuous web, with interleaved carbons, to and around the platen, a frame for the platen movable with the platen between a writing station and a carbon-releasing station, pins adapted to be pressed against the web to find and enter openings therein for gaging the position of the web for removal therefrom of its leading lengths of typewritten form-sections, and means for automatically withdrawing the pins from the web on return of the platen-frame to the writing station.

1,536,587. AIR-CHAMBER FIRE DOOR. HOWARD A. JOHNSON, Norfolk, Va., assignor to J. G. Wilson Corporation, Norfolk, Va., a Corporation of Virginia. Filed May 31, 1922. Serial No. 564,948. 16 Claims. (Cl. 187—46.)



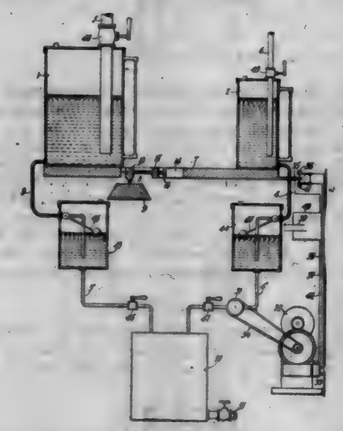
1. A heat retarding door comprising a circumferential metal frame work of channel irons, the central webs of said channel irons being turned toward the interior of the door, spaced vertical metal ribs supported by and of the same width as said frame work, in the direction perpendicular to the plane of the door, and metal sheets covering said frame work and ribs and contacting therewith, the edges of said sheets having hooked engagement with the edges of the channel irons in the frame work.

1,536,588. CLUTCH. MORTON F. JUDD, Stratford, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 27, 1922. Serial No. 603,560. 10 Claims. (Cl. 192—107.)



6. A friction disk for a multiple disk clutch composed of compressed fibre held together by a suitable binder, said disk being provided with driving teeth on the periphery thereof integral with the body of the disk.

1,536,589. APPARATUS FOR SUPPLYING MATERIALS IN A DESIRED RATIO OF WEIGHTS. ALEXIS W. KERR, New York, N. Y., assignor to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed May 3, 1924. Serial No. 710,720. 17 Claims. (Cl. 137—78.)

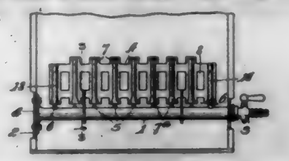


12. An apparatus for supplying the materials in a desired ratio of weights comprising, receptacles for containing the material in the desired weight ratio, conduits communicating with the receptacles for supplying the materials in the desired weight ratio, means for regulating the flow through one of the conduits, and a balance supporting the receptacles adapted to operate the regulating means when thrown out of balance by a variation in the ratio of weights of the materials in the receptacles.

1,536,590. BURNER FOR GAS HEATERS. HENRY KIELKOPF, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Apr. 18, 1923. Serial No. 631,750. 1 Claim. (Cl. 158—106.)

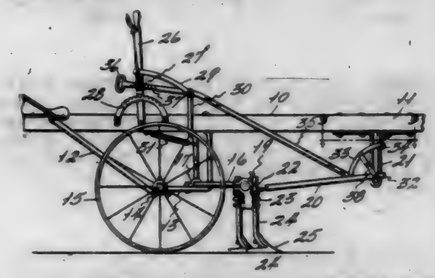
In a gas heater, the combination with a heater casing, of a gas supply tube disposed horizontally within said casing, relatively spaced nozzles carried by said tube, upright posts carried by said tube adjacent to its opposite ends, supporting members carried by said tube inter-

mediate said posts and a burner element superposed upon said supporting members and having engagement with said posts, said element comprising companion sheet



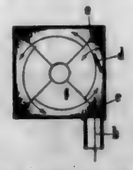
metal plates attached together in face-to-face relation and shaped to form complementally a plurality of relatively spaced Bunsen burner tubes and post-receiving sleeves.

1,536,591. AGRICULTURAL IMPLEMENT. TIMOTHY M. KIRKPATRICK and WILLIAM A. CLAUNCH, Maypearl, Tex. Filed Nov. 13, 1923. Serial No. 674,433. 1 Claim. (Cl. 97—457.)



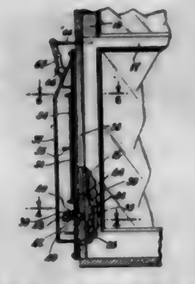
In an agricultural implement, a longitudinal wheel supported beam, a yoke movable under the longitudinal beam, a transverse plow beam rotatable on the yoke, sweeps carried by the transverse beam, a vertical adjusting lever mounted on the longitudinal beam, a connection between the adjusting lever and the yoke normally holding the latter immovable, a member having its rear end rigid on the transverse beam, a guide hanger at the forward lever connected with the forward end of the member, and a pitman extending rearwardly from the forward lever and detachably engaging the adjusting lever.

1,536,592. CYCLONE DUST COLLECTOR. HERMANN KLUG, Berlin-Hermsdorf, Germany. Filed Oct. 11, 1922. Serial No. 593,820. 4 Claims. (Cl. 183—48.)



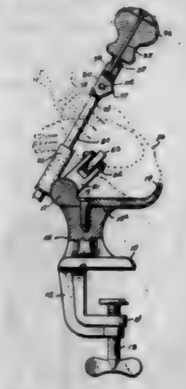
1. A dust collector having, in combination, a substantially vertically disposed casing polygonal in cross section, the polygon having a relatively small number of sides, the casing having an inlet opening through which dust-laden air or other gas is adapted to enter the casing, and a baffle plate disposed within the casing near the inlet opening at an angle to the direction of travel of the entering gas, the baffle plate being adapted to deviate the path of the entering gas, the interior portion of the casing near the baffle plate being unobstructed from the center of the casing to the sides thereof so as to permit the gas to whirl therein in a path determined by the angular position of the baffle plate, dust being adapted to be removed from the whirling dust-laden gas at the corners of the casting, and the gas being then adapted to travel to the upper portion of the casing.

1,536,593. SAFETY WINDOW CONSTRUCTION. IRVING L. KORROL, Brooklyn, N. Y. Filed Nov. 24, 1923. Serial No. 676,682. 5 Claims. (Cl. 20—12.)



1. The combination with a window frame, a sash slidable up and down therein, and counterweights connected to the sash, of a connection for one of the counterweights including a socket piece counter sunk in a cavity in the side of the sash and a clip engageable inward and upward into said socket piece for normal engagement, and a detaching dog for said clip normally outward beyond the edge of the sash and movable inward and downward to engage said clip to remove it and hold it in position withdrawn from the sash, said dog being mounted for combined slidable and rotating movement with respect to a fixed pin to cause the same to have a reaching and sweeping movement into engagement with the clip.

1,536,594. UTENSIL FOR PEELING OR SLICING VEGETABLES. GEORGE ALBERT LEBARCHE, Freeport, Ill. Filed May 15, 1924. Serial No. 713,573. 14 Claims. (Cl. 146—43.)



1. A potato peeler comprising a base formed to provide a support for the potato, a peeling knife pivotally mounted upon the base at one end thereof for oscillation toward and from the base and for rectilinear movement toward and from its point of pivotal support, and means for supporting the potato at an angle to the base.

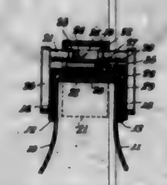
1,536,595. METALLIC PACKING RING. RALPH A. LIGHT and JOSEPH W. PRICE, Jr., Philadelphia, Pa., assignors to The United States Metallic Packing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 22, 1922. Serial No. 608,463. 5 Claims. (Cl. 288—3.)

1. A metallic packing ring made up of four sectional blocks abutting against each other in two parallel planes so that the end or packing blocks can slide freely towards each other on the abutting ends of the side or guide blocks, said sectional blocks being externally circumferentially grooved for the reception of of a garter spring



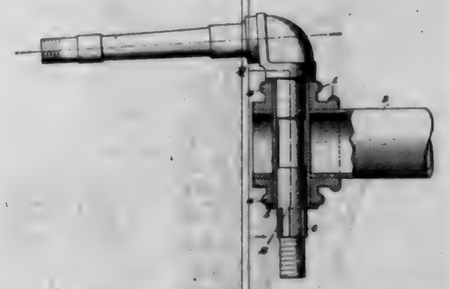
and the grooves in the side or guide blocks being formed deeper than in the end or packing blocks, so that the pull of the spring will be mainly exerted on the packing blocks.

1,536,596. BAG-FRAME REGISTERING CONNECTION. WILLIAM A. LOTZ, Newark, N. J., assignor to The T. & L. Co., Inc., Newark, N. J., a Corporation of New Jersey. Filed June 7, 1924. Serial No. 718,504. 4 Claims. (Cl. 292—213.)



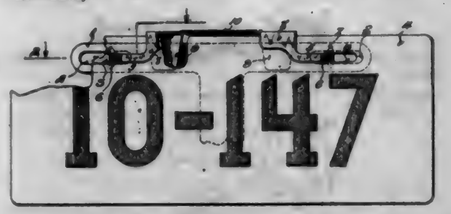
1. A bag frame registering connection comprising a hollow casing fixedly engaged on one member of the bag frame, and having recesses in its side walls, a seat formed in said casing, a flat spring plate seated thereon, means for securely holding said plate in place, a turn-handle shaft journaled in said recesses, beaded flanges on said shaft for limiting its lateral movements, said shaft having a triangular cross-section between said beaded flanges, the sharp edges of the triangular section engaging said plate for depressing the same upon the rotation of said shaft by its handles, and means secured to the other member of the bag frame constituting a firm support to prevent disruption under a heavy load pressing on the connection.

1,536,597. STEERING KNUCKLE. LAMAR LYNDON, New York, N. Y. Filed Oct. 17, 1921. Serial No. 508,236. 6 Claims. (Cl. 280—96.1.)



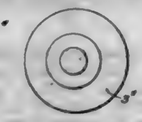
1. In a connection between an axle and a spindle, a member surrounding said axle and co-operating therewith to provide a bearing for said spindle, said spindle passing through both, said axle and said member.

1,536,598. AUTOMOBILE LICENSE-PLATE FASTENER. ELMER W. ABEL, Sheboygan, Wis. Filed Apr. 16, 1923. Serial No. 632,413. 8 Claims. (Cl. 40—125.)



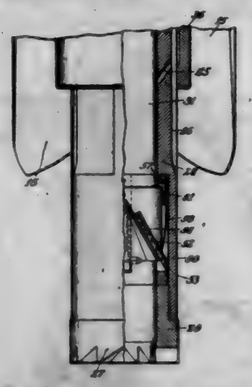
1. A device for detachably locking a plate having aligned slots to a support having similar slots, said device comprising a pair of spaced members, and a spring joining said members, each of said members comprising an elongated portion having transverse ears adjacent one end adapted to be passed through a slot in said plate and a slot in said support to slidably lock when said ears are turned transversely of said slots.

1,536,599. PAPER-MAKING MACHINE. ALONZO ALDRICH, Beloit, Wis. Filed Oct. 18, 1922. Serial No. 595,255. 1 Claim. (Cl. 92—44.)



In a Fourdrinier machine, the combination with the wire of table rolls mounted eccentrically on their axes.

1,536,600. EXPLORING DRILL. OLOF B. ANDERSON, Marquette, Mich. Filed Oct. 28, 1922. Serial No. 596,421. 9 Claims. (Cl. 255—72.)

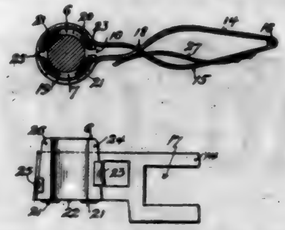


1. A device of the character described, comprising a drill stem, an inner rotary bit, and an outer rotary fish tail bit thereon, said bits being spaced to provide a fluid passage between said bits, said passage having its mouth adjacent the cutting edge of said fish tail bit.

1,536,601. TOOL FOR INSERTING SPLIT SLEEVES. NILS ALFRED ANDERSON, Woodmere, N. Y. Filed Aug. 18, 1922. Serial No. 582,689. 6 Claims. (Cl. 29—80.3.)

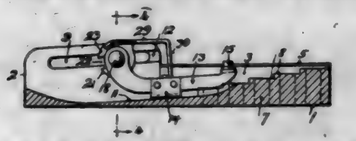
1. A tool for the purpose set forth comprising members forming a handle and jaws carried thereby and mov-

able toward and from each other, said jaws each having curved sockets including a bottom support and lugs for engaging over the edges of a split sleeve whereby



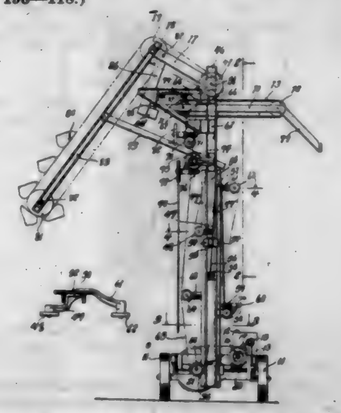
each jaw may separately carry separate sections of the split sleeve to permit the split sleeve sections to be applied laterally against a grooved spindle by said jaws.

1,536,602. TOOL FOR TRUING CONTACT POINTS. NILS A. ANDERSON, Brooklyn, N. Y. Filed June 12, 1924. Serial No. 719,515. 6 Claims. (Cl. 51—216.)



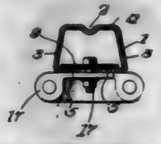
1. A tool for refacing contact points of ignition levers, comprising a base having tracks for guiding a grinding stone said base having a guiding surface inclined relatively to the plane of the tracks for guiding the lever, spaced walls having slots extending parallel to said guiding surface, and a lever holder guided in one of said slots and adapted to hold a lever having its shaft projecting into the other of said slots.

1,536,603. COMBINATION PORTABLE LOADER AND CAR UNLOADER. GEORGE P. BALL, Milwaukee, Wis. Filed Apr. 11, 1922. Serial No. 551,492. 2 Claims. (Cl. 198—118.)



1. In a device of the class described, the combination of a telescopic vertical support having an upper elongated member and a lower elongated member with the upper of said members adapted to project above the said lower member, a conveyor operatively carried by the projecting portion of the upper member, means for varying the length of said vertical support, a driving means for said conveyor permanently mounted adjacent the bottom of said lower elongated member, and means maintaining an operative driving connection between said driving means and said conveyor for all telescoping movements of said vertical support.

1,536,604. TRACTOR BELT CONSTRUCTION. HANS J. BENTSON, Kenosha, Wis., assignor, by mesne assignments, to F. C. Austin Machinery Company, a Corporation of Illinois. Filed Nov. 10, 1919. Serial No. 337,100. 14 Claims. (Cl. 305—10.)



1. A multi-pedal traction belt tread unit, comprising a hollow sheet metal member bent to substantially tubular form with the edges thereof in juxtaposition, and means extending between said edges for securing said member to the belt with the closed side thereof toward the ground.

1,536,605. TYPE CLEANER. ARETE C. BISHOP, New York, N. Y. Filed Jan. 13, 1923. Serial No. 612,515. 7 Claims. (Cl. 197—184.)



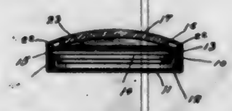
1. A type cleaning attachment for typewriters comprising supporting members adapted to be secured to the frame of the typewriter at opposite sides of the group of type and having bearing apertures extending forwardly and rearwardly of the typewriter, a rod slidable endwise in each of said bearing apertures, a brush device connected between the rods and carrying bristles which move across and in contact with the face of the type when the rods and brush device are reciprocated from front to rear, springs surrounding the rods and pressing them and the brush device to one position in which the bristles are clear of the type, and means for limiting the movement of the rods and brush device beyond said one position.

1,536,606. BOWLING PIN. JOSEPH W. BISHOP and JESSE O. MATTESON, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill., a Corporation of Delaware. Filed June 5, 1922. Serial No. 565,966. 9 Claims. (Cl. 273—82.)



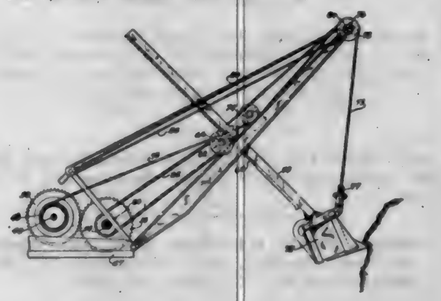
1. A bowling pin comprising a core, a composition covering enclosing the core, and a metal reinforce embedded in said covering.

1,536,607. WATCHCASE BEZEL. HERMAN BUHLMAN, Providence, R. I. Filed Oct. 9, 1924. Serial No. 742,552. 9 Claims. (Cl. 58—91.)



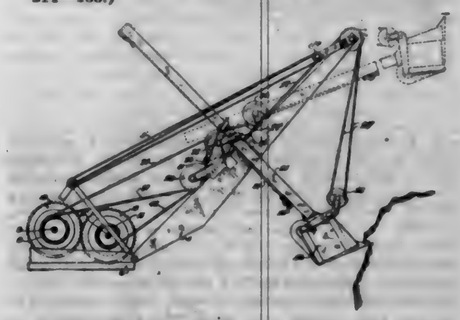
1. In a watch case, a body member formed of sheet stock having a bezel rim with an inturned inwardly flaring marginal flange forming a beveled seat for the crystal, and means beneath the crystal for pressing it to its seat.

1,536,608. POWER SHOVEL. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Original application filed May 26, 1924, Serial No. 716,000. Divided and this application filed Feb. 9, 1925. Serial No. 7,973. 6 Claims. (Cl. 214—135.)



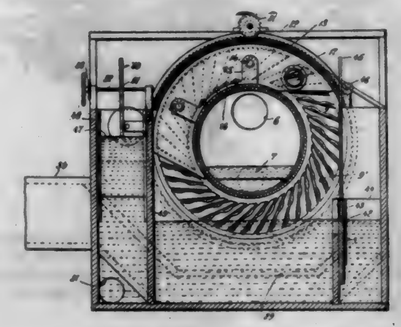
1. In an excavating machine, the combination with a supporting boom, of a dipper and dipper handle mounted thereon to move lengthwise and swing with respect thereto, of means for moving the dipper and its handle lengthwise in both directions and including a reversible member, and a dipper-hoisting cable associated with said means for conjoint outward thrusting therewith during outward lengthwise movement of said dipper and dipper handle.

1,536,609. POWER SHOVEL. PAUL BURKE, Green Bay, Wis., assignor to Northwest Engineering Company, Green Bay, Wis., a Corporation of Wisconsin. Filed May 26, 1924. Serial No. 716,000. 12 Claims. (Cl. 214—135.)



1. In an excavating machine, the combination with a supporting boom, of a dipper and dipper handle mounted thereon for swinging and shifting movements relative thereto, a hoisting and thrusting cable associated with the dipper and crowding it outwardly into the material to be excavated, and separately controlled means also operable for moving the dipper and its handle outwardly conjointly with the operation of said hoisting cable.

1,536,610. SUCTION CYLINDER. WALTER N. BURNHAM, Ballston Spa, N. Y., assignor to The Beaver Company, Beaver Road, Buffalo, N. Y., a Corporation of Ohio. Filed Nov. 9, 1920. Serial No. 422,773. 13 Claims. (Cl. 92—48.)



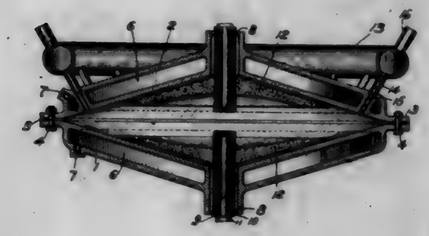
8. A paper making machine comprising a vat for the pulp stock, a hollow shaft supported within the vat and adapted for connection with exhausting mechanism, a sleeve valve mounted to move angularly of the shaft, a laying cylinder mounted to rotate on the valve, said cylinder being divided into a series of radially extending compartments by imperforate compartments extending longitudinally thereof, the compartments opening at the periphery of the shaft, the shaft and the sleeve having registering ports at the point where the compartments emerge from the stock and the compartments having openings for registering with said ports, means at each end of the cylinder for closing the ends of the compartments while the ports thereof are in register with the ports of the valve.

1,536,611. TRUCK SKID. CALVIN F. DUKE, Indianapolis, Ind., assignor to Central Machine Works, Indianapolis, Ind., a Corporation of Indiana. Filed Nov. 8, 1922. Serial No. 599,640. 15 Claims. (Cl. 214—85.)



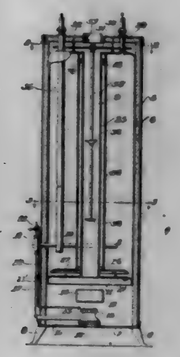
1. In combination, a load-carrying truck frame, a floor-engaging skid pivotally mounted on said frame for facilitating the rolling of articles onto said frame, and a supporting wheel for said truck frame on each side of the axis of pivotal mounting of said skid.

1,536,612. METHOD OF PRODUCING CARBON BLACK. WARREN K. LEWIS, Newton, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 15, 1923. Serial No. 619,260. 3 Claims. (Cl. 204—64.)



3. A method of producing carbon black that comprises heating a hydrocarbon gas in the gaseous phase to decompose it, distributing the products of decomposition in a cool inert gas and collecting and separating the products.

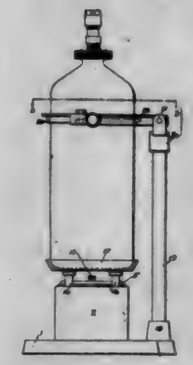
1,536,613. STORAGE WATER HEATER. HARRY J. LYONS, Geneva, Ill., assignor to Geneva Heater Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 20, 1924. Serial No. 700,530. 5 Claims. (Cl. 126—362.)



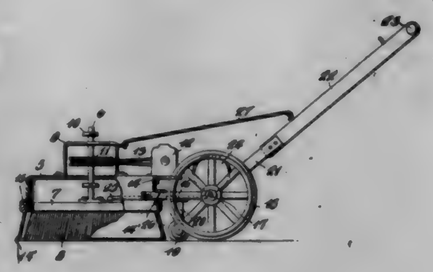
1. In a water heater the combination of a tank having a vertical flue extending therethrough, a combustion chamber beneath the tank, a burner in said chamber, a circulating baffle disposed within and spaced above the bottom of said tank, a pipe surrounding said flue and communicating at its lower end with the space beneath said baffle, and means within and above said flue for baffling the products of combustion rising from said burner.

1,536,614. WEIGHING MACHINE. HARRY J. MACKEY, Decatur, Ill. Filed Feb. 13, 1922. Serial No. 536,392. 5 Claims. (Cl. 265—27.)

1. In a weighing device of the character described, in combination, a base, a scale thereon, means coacting with the scale and forming a rest for a drum, a standard upstanding from said base to one side of said drum rest, and guiding means extending laterally from the upper end of said standard and above said drum rest and arranged to loosely embrace the upper end of the drum.

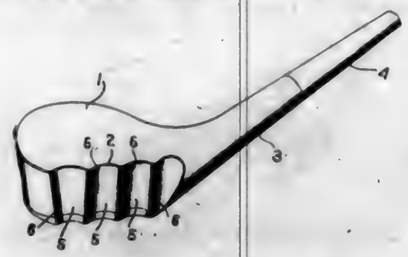


1,536,615. FLOOR-SCRUBBING MACHINE. WALTER MAJUSICK, Cleveland, Ohio. Filed July 12, 1924. Serial No. 725,560. 3 Claims. (Cl. 15—50.)



1. A floor scrubbing machine comprising, a rotatable brush, a shell arranged above the brush and extending downwardly around the brush head, a shield depending from the periphery of the shell to a point adjacent the end of the brush, an annular buffer arranged at the juncture of the shell and shield, a vertical central shaft carried by the brush and extending upwardly through the shell and vertically movable therein, a motor arranged to rotate the shaft, a pair of rearwardly diverging arms carried by the shell, a shaft loosely journaled in the rear ends of said arms, supporting wheels carried by the shaft, a handle member fixed to the shaft and extending rearwardly therefrom, water supply tank between said wheels and means for conducting fluid from the tank to said brush.

1,536,616. GOLF CLUB. JOHN T. MANNING, Brookline, Mass. Filed Nov. 22, 1924. Serial No. 751,491. 3 Claims. (Cl. 273—77.)



2. A golf club having a scalloped or fluted driving face presenting vertically-extending shallow grooves each having a transverse curvature approximately that of the golf ball, the ridges between the groves being rounded.

1,536,617. CASING HOOK FOR DRILLING APPARATUS. GUSTAVUS A. MONTGOMERY, Titusville, Pa., assignor to Titusville Forge Company, Titusville, Pa., a Corporation of Maryland. Filed July 23, 1923. Serial No. 653,064. 6 Claims. (Cl. 294—82.)



1. A casing hook of the character described, comprising a pair of relatively movable members, one being formed with a piston and the other in the form of a cylinder engaging said piston, a casing hook carried by one of said members and capable of swiveling relatively to the other member, yieldable means for resisting movement of said members out of their normal contracted position, and anti-friction devices interposed between the opposing ends of said relatively movable members and applied to one of the latter, said devices being operative in the expanded position of said members to permit a free swiveling action of one member on the other.

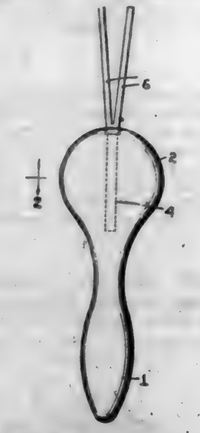
1,536,618. PROCESS OF TREATING LEAD COMPOUNDS. ALEXANDER NATHANSOHN, Bad Harsburg, Germany. Filed Mar. 7, 1924. Serial No. 697,537. 3 Claims. (Cl. 23—69.)

2. A process for treating chlorine compounds of lead by subjecting said compounds to the action of lime, treating the resultant product with carbon dioxide and removing and washing the precipitate so produced.

1,536,619. PROCESS FOR THE RECOVERY OF ZINC COMPOUNDS FROM ZINC-CHLORIDE SOLUTIONS. ALEXANDER NATHANSOHN, Bad Harsburg, Germany. Filed Mar. 7, 1924. Serial No. 697,538. 4 Claims. (Cl. 23—61.)

4. The process of recovering zinc values from products containing zinc by treating such zinc products with lime in contact with water, subjecting the resultant precipitate to the action of carbon dioxide so as to convert said precipitate into zinc carbonate and washing said zinc carbonate until it is free from chlorine.

1,536,620. WEEDER. FRED W. NEWELL, Seattle, Wash. Filed Mar. 18, 1924. Serial No. 700,159. 1 Claim. (Cl. 254—132.)



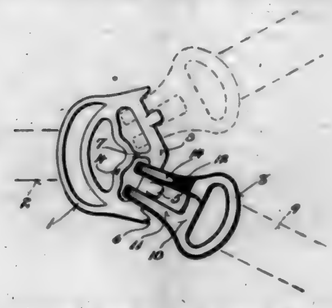
In a weeding implement, a handle having an enlarged spherical end, and a weeding blade secured in said spherical end and having divergent prongs projecting therebeyond, said prongs being of less width than height.

1,536,621. BUCKLE. CHESTER E. NICHOLS, Bridgeport, Conn. Filed May 31, 1924. Serial No. 717,018. 2 Claims. (Cl. 24—193.)



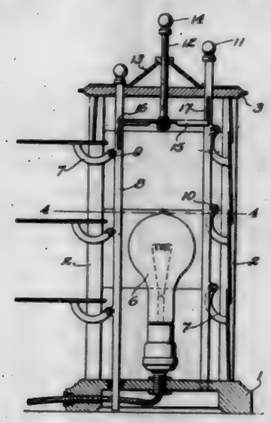
1. A double-loop buckle including a loop with hanger strap, a loop with eyes pivotally associated with the loop with hanger strap, said loop with eyes being adapted to swing upon the hanger strap away from or toward the loop with hanger strap to the open or closed position of the buckle whereby the loops can support a cloth or the like in such manner that a pull upon the cloth will force said loops toward each other, and means for releasably locking the loops in the closed position of the buckle so that the loops will remain in fixed relation to each other when there is no pull being exerted upon said cloth, the locking means being constituted by the interengagement of end portions of the different loops, and being dependent in its operation upon the resiliency of one of the loops.

1,536,622. HOOK COUPLING FOR HARNESS. JOHN C. NICHOLS, Sheboygan, Wis. Filed May 22, 1923. Serial No. 640,686. 3 Claims. (Cl. 24—201.)



1. A detachable coupling for harness comprising two main elements, one of said elements having a strap receiving portion, an outer transverse bar, and an inner transverse bar; and the other of said elements having a strap receiving portion having a base, a pair of roughly parallel arms extending from opposite sides of said base, and inwardly directed prongs carried by the end of said arms and located upon opposite sides thereof.

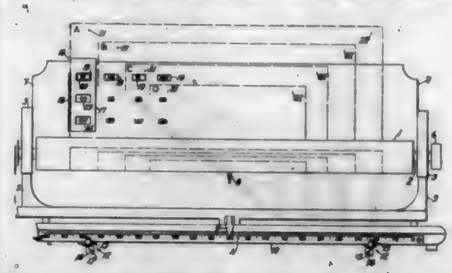
1,536,623. LIGHT. BENJAMIN E. NORVELL, Pasadena, Calif. Filed Oct. 31, 1923, Serial No. 671,976. Renewed Mar. 21, 1925. 2 Claims. (Cl. 240—11.)



2. A device of the class described comprising a casing, a lamp therein, a set of shutters at each side of the casing, a curved arm on each shutter, a rod to which the arms of each set of shutters are connected, means for reciprocating the rods, a spider having parts engaging slots in the rods and a vertically movable rod arranged in the top of the casing and connected with the spider.

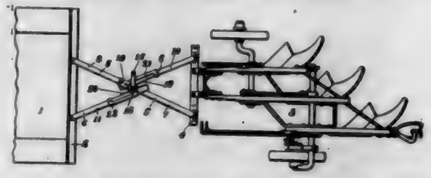
1,536,624. TYPEWRITING MACHINE. CHARLES C. PARKER, Houston, Tex., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1921. Serial No. 441,559. 14 Claims. (Cl. 197—140.)

1. In a typewriter having a platen, a traveling carriage on which said platen is mounted, and adjustable margin-stops to limit the movements of said carriage, in combination, a side-edge gage and an introductory paper table having arranged thereon groups of numbers, one number of each group indicating the width of a work sheet to be used and the others indicating the letter-space positions at which the margin-stops are to be set,



and a mark adjacent the first number of each group to assist in positioning said side-edge gage, the latter being provided with means to co-operate with said mark in such positioning.

1,536,625. TRACTOR HITCH. WILLIAM L. PAUL, Berkeley, Calif., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 2, 1921. Serial No. 482,028. 15 Claims. (Cl. 280—335.)



1. A hitch including cross reaches connecting a tractor with an object to be drawn, one of said reaches formed of two adjustable sections, and means operable at will to adjust said sections longitudinally in opposite directions.

1,536,626. HINGE CONSTRUCTION. ALBERT T. POTTER, Detroit, Mich., assignor to Ainsworth Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Oct. 27, 1924. Serial No. 746,078. 4 Claims. (Cl. 16—135.)



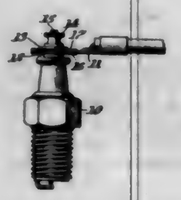
1. The combination with a closure member, and a support therefor, of a hinge having sections secured to the support and closure member respectively, the section secured to the support having a depending portion terminating in spaced return bent portions extending above the lower edge of the depending portion, the section secured to the closure member having spaced return bent portions, a pintle connecting the return-bent portions of the hinge sections, and means for concealing the joint between the hinge sections in all positions of adjustment of the closure member including a plate secured to the closure member and one hinge section having a return bent portion extending around the return bent portions of both hinge sections.

1,536,627. LIFE PRESERVER. THOMAS IRVING POTTER, Orange, N. J., assignor to Federated Engineers Development Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Aug. 19, 1922. Serial No. 582,973. 15 Claims. (Cl. 9—20.)



1. A jacket life preserver opening down the front and buoyantly reinforced adjacent its meeting edges and means for circumferentially contracting the jacket and bulging said buoyant material outwardly from the body of the wearer.

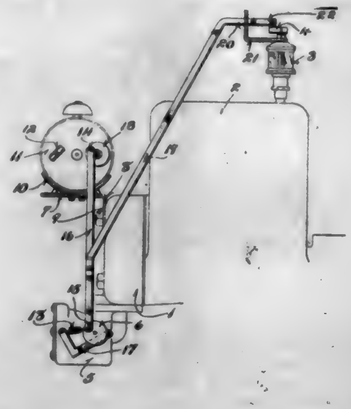
1,536,628. SPARK-GAP MECHANISM. CHARLES J. REED, San Mateo, Calif., assignor of one-half to Alice A. Hall, San Francisco, Calif. Filed Feb. 28, 1921. Serial No. 448,664. 3 Claims. (Cl. 123—148.)



3. A spark-gap mechanism comprising the terminals of an electric circuit, one being a fixed binding post, the other a flattened conducting strip clamped between two sheets of insulating material, by which it is held in close proximity to, but insulated from the binding post, said two insulating sheets and said conducting strip being in the form of collars to the binding post, one of said insulating sheets being perforated to allow passage of an electric spark.

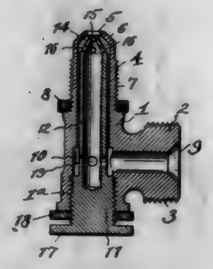
1,536,629. STOPPING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. OTTO REHME, Mosling, Wis. Filed July 12, 1924. Serial No. 725,650. 1 Claim. (Cl. 161—7.)

The combination of an internal combustion engine having a fuel control valve provided with a disk, an alarm clock secured to said engine and having a disk operated by the alarm mechanism, pins in said disks, a substantially vertical link connecting said pins, a spring secured to one end of said link and extending at right angles thereto adjacent said valve control, an arm extending laterally from said link and rigidly attached thereto and provided with a looped outer end, an oiler



carried by said engine, and a control lever for said oiler adapted to be positioned within the looped end of said rod.

1,536,630. GAS-VALVE STRUCTURE. JOHN P. REINECKE, Lorain, Ohio, assignor to The Hoffman Heater Company, Lorain, Ohio, a Corporation of Ohio. Filed Apr. 20, 1923. Serial No. 633,507. 3 Claims. (Cl. 158—120.)

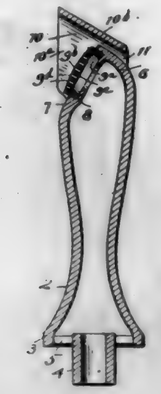


1. A gas valve comprising a tubular body having at one end a tapering wall provided with an axial discharge opening and a gas inlet adjacent the opposite end, a tubular member within said body and adjustable longitudinally thereof, said tubular member being of less diameter externally than the internal diameter of the body whereby an annular passageway from the inlet to the discharge opening is provided upon the exterior of the tubular member, said tubular member having openings in the wall thereof establishing communication with said passageway and a tapering end portion adapted to be moved into engagement with the discharge end of the body to close said annular passageway, said end portion of the tubular member having an axial opening of less diameter than the discharge opening of the body.

1,536,631. GAS BURNER. JOHN P. REINECKE, Lorain, Ohio, assignor to The Hoffman Heater Company, Lorain, Ohio, a Corporation of Ohio. Filed July 18, 1924. Serial No. 726,818. 6 Claims. (Cl. 158—99.)

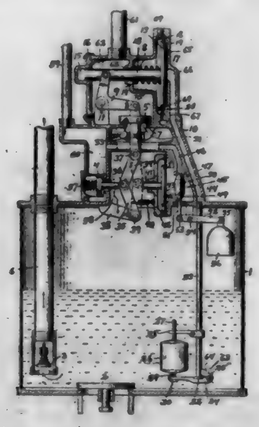
1. A gas burner comprising a hollow body having a mixer portion and a head portion provided with per-

forated burner portions and a deflecting member carried by the head and projecting therefrom adjacent the



burner portion, said deflecting member being spaced from the head to provide an air passage to the burner.

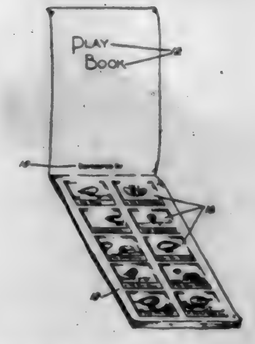
1,536,632. PNEUMATIC PUMP. HOMER S. ROGERS, Milwaukee, Wis., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 20, 1922. Serial No. 537,807. 12 Claims. (Cl. 103—246.)



1. In a pneumatic pump, the combination with a pump chamber provided with water inlet and outlet valves, an air admission valve and an air exhaust port, of an air exhaust valve located outside of said pump chamber to control said air exhaust port, means for keeping said air exhaust valve closed against the pressure in said pump chamber, and a motor for opening said air exhaust valve.

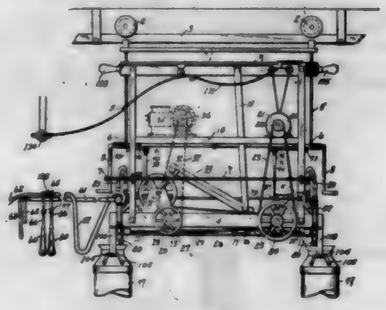
1,536,633. ADVERTISING NOVELTY. MAX B. SHEPPER, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,806. 1 Claim. (Cl. 283—1.)

An advertising novelty comprising a binder for subject matter or title of a play or scenario, a plurality of leaves within said binder and having upon their faces a number of uniformly sized spaces bearing number in consecutive order, and a series of cards, each having a different picture from said play or scenario and number and a short descriptive title thereon, said series of cards when complete and affixed to the spaces upon said



pages in the order corresponding to the number designating each individual space being adapted to provide a pictorial and word synopsis of the subject matter shown by the title upon said binder.

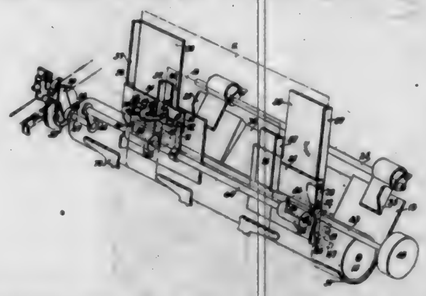
1,536,634. MILKING APPARATUS. WARREN A. SHIPPERT, Dixon, Ill., and GEORGE BAILEY, Milwaukee, Wis. Filed Nov. 21, 1921. Serial No. 516,810. 15 Claims. (Cl. 31—73.)



1. In a milking apparatus, the combination with a vacuum chamber, of a vacuum producing pump associated therewith, a set of teat cups operatively connected with the vacuum chamber for milk delivery thereto, and means for delivering air into the cup connections to drive the milk from said connections into the vacuum chamber.

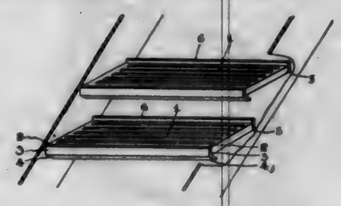
1,536,635. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 24, 1920. Serial No. 432,906. 17 Claims. (Cl. 197—127.)

1. In a front-strike typewriting machine, the combination with a platen-frame and a revoluble platen journaled therein, of a rear paper-table fixed in said frame and provided with side-edge gages for aligning thereon a wide work-sheet, and provided with other side-edge gages for separately aligning thereon a narrow work-sheet lying between the edges of the wide work-sheet, devices carried by the platen-frame at the front of the platen for separately aligning each of said sheets to conform to its rear alignment, said devices comprising a wide front collating table provided with side-edge gages for aligning the wide work-sheet, and a narrow front collating table provided with side-edge gages for separately aligning the narrow work-sheet, and



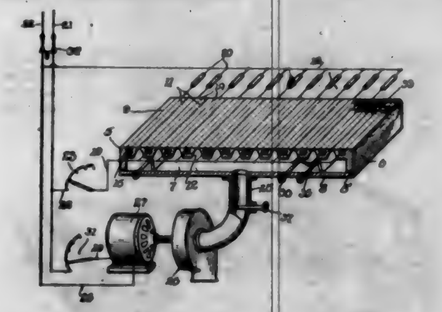
releasable means for gripping the narrow sheet to the narrow collating table independently of the wide sheet, and in any position to which the narrow sheet may be collated.

1,536,636. STAIR TREAD. ALEXANDER BONNELL TAPPEN, Briarcliff Manor, N. Y., and WILLIAM HINCKLEY MITCHELL, Nutley, N. J., assignors to Hendrick Manufacturing Company, Carbondale, Pa., a Corporation of Pennsylvania. Filed Sept. 20, 1923. Serial No. 664,865. 7 Claims. (Cl. 189—43.)



6. In a stair tread the combination of a fascia plate and a rearwardly positioned offset plate adapted to obstruct the passage of light through the tread.

1,536,637. METHOD OF AND APPARATUS FOR IRONING. MAX H. THURNAUER, Cincinnati, Ohio. Filed Nov. 12, 1920. Serial No. 423,517. 5 Claims. (Cl. 26—38.)



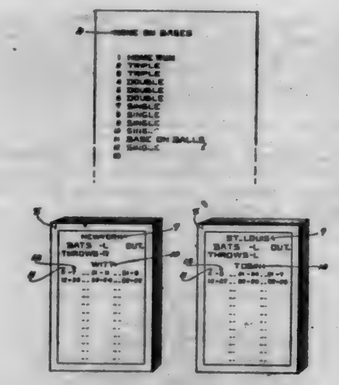
1. In an ironing device, an ironing member having an ironing surface for receiving the fabric to be ironed, said member having perforations opening through said ironing surface, means for establishing a suction through said perforations for creating the requisite ironing pressure between said fabric and said ironing surface, said means tending to create a flow of air through the fabric on the ironing surface and thereby tending to extract any moisture from the fabric and means for heating the ironing surface simultaneously with the ironing pressure and moisture extracting suction therethrough.

1,536,638. AUTOMATIC STABILIZING DEVICE. ALFRED C. TRAPP, Milwaukee, Wis. Filed Sept. 12, 1923. Serial No. 662,241. 6 Claims. (Cl. 114—191.)



1. A ship provided with a hull having pivoted longitudinally thereof a frame, cargo carrying units pivoted transversely of said frame, said units adapted to swing with and independently of said frame, and means connected to the frame and each unit and carried by its respective supporting element for maintaining the same in a level position.

1,536,639. GAME. CLIFFORD A. VAN BEEK, Green Bay, Wis. Filed Sept. 17, 1923. Serial No. 663,170. 3 Claims. (Cl. 273—93.)

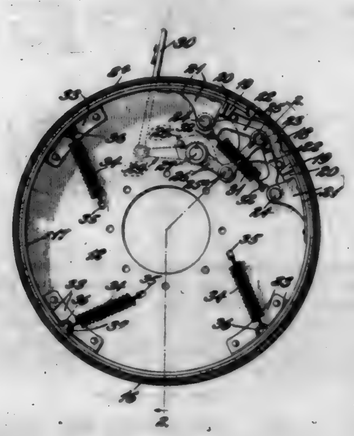


1. A game comprising a set of dice each of which indicates a digit of a number, a set of cards each representing players having two columns of numbers, one column having numbers which may be indicated by the dice and the other column having selected numbers, and a set of play sheets having a column of numbers corresponding to the last mentioned numbers and having plays marked opposite such numbers.

1,536,640. VEHICLE BRAKE. HERBERT VANDERBEEK, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Ohio. Filed May 20, 1921. Serial No. 471,143. 5 Claims. (Cl. 188—78.)

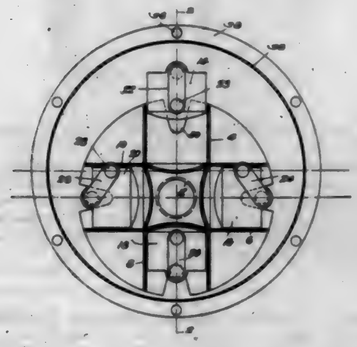
1. A brake drum, a brake band adapted to frictionally engage said drum to retard the movement thereof, a stationary stop member adapted to cooperate with an end of said band in the engaged position thereof, a toggle joint operatively connected to the ends of said

band for moving the same into and out of engagement with said drum, said toggle joint being disposed with its elbow offset outwardly from its points of connection with said band and with its points of connection with



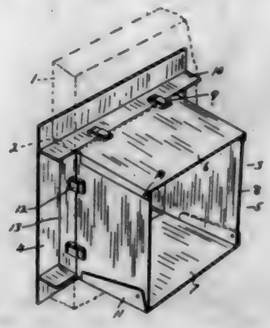
said band located inwardly from the inner peripheral surface of said band, and a spring device operatively engaging the ends of said toggle joint at points offset inwardly from the points of connection of said toggle with said band towards the center of said drum.

1,536,641. PISTON SUSPENSION IN PNEUMATIC HUBS WITH GUIDE OPERATION. BORIS VON LOUTZKOY, Berlin, Germany. Filed June 20, 1923. Serial No. 646,711. 6 Claims. (Cl. 152—44.)



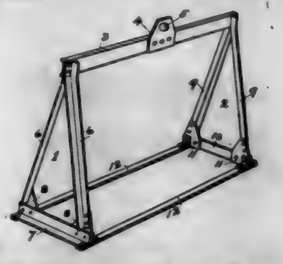
1. In a pneumatic hub having piston cylinder units, means for suspending the pistons comprising double cranks connected to the pistons, a casing for said units and bearings in the casings for said cranks.

1,536,642. COAL-CHUTE CONSTRUCTION. FRANK E. WALL, Detroit, Mich., assignor to Gabriel Steel Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 7, 1924. Serial No. 704,889. 8 Claims. (Cl. 193—34.)



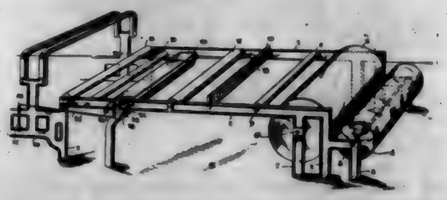
1. In a chute, the combination with a supporting frame, of a collapsible box-like body connected thereto.

1,536,643. SLING. IRVIN H. WILLIAMS, Richmond, Va. Filed Apr. 16, 1924. Serial No. 706,887. 7 Claims. (Cl. 294—67.)



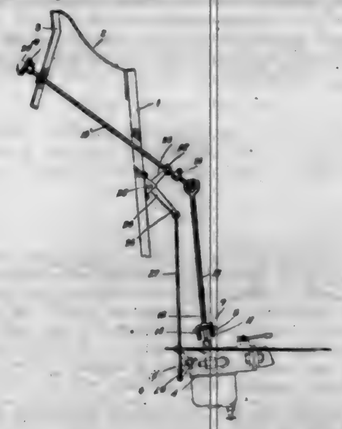
1. A sling adapted to carry a load, having two flat members spaced apart and substantially parallel to one another to form a cradle to carry the load, with cross members secured to each end of the flat members to hold them in their spaced relation, and forming with the flat members an open frame of substantially rectangular shape, and having means secured to the frame by which it may be suspended in a substantially horizontal plane.

1,536,644. FABRIC-TREATING MACHINE. CHARLES W. YOUNG, Goodyear, Conn., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 21, 1924. Serial No. 744,887. 15 Claims. (Cl. 139—97.)



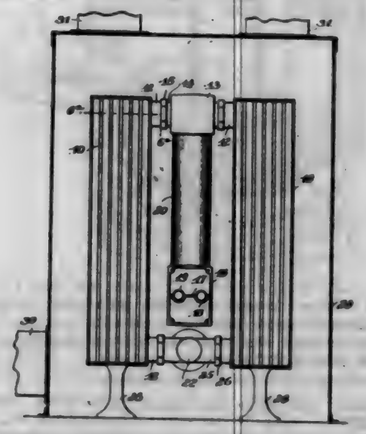
1. A device for treating fabric, comprising mechanism for directing fabric from a re-weaving roll into a loom, means for cutting transverse threads of the fabric, and a member for shaking out the cut threads.

1,536,645. CARBURETOR CONTROL. JOSEPH C. YOUNGBLOOD, Atwood, Kans. Filed Nov. 8, 1922. Serial No. 598,821. 2 Claims. (Cl. 137—139.)



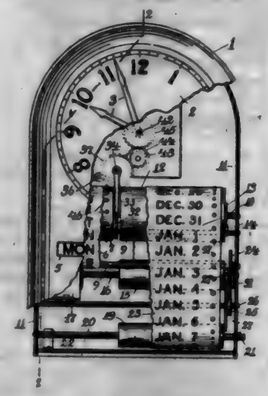
1. The combination with a motor vehicle of the Ford type comprising a dash having an opening therein, a carburetor having separate choke and needle valves, a bell crank lever mounted on the dash and a link operatively connecting one arm of the bell crank with the choke valve, of a carburetor control device comprising a rod having operative connection with the needle valve, a second rod extended through the dash opening and connected with the first rod to effect rotary movement thereof, a stud slidable on and rotatably supporting the second rod and having pivotal supporting connection with the other arm of the bell crank and a stop collar on the second rod engageable with the stud to rock the bell crank when the second rod is moved longitudinally.

1,536,646. HEATING APPARATUS. JOHN B. ALLINGTON and CHARLES L. CADLE, Rochester, N. Y. Filed Sept. 29, 1924. Serial No. 740,483. 5 Claims. (Cl. 126—116.)



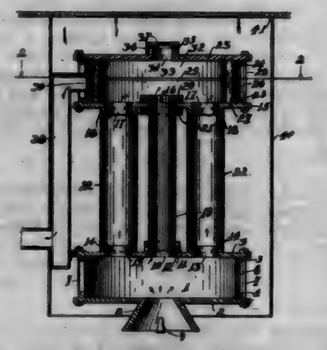
1. A heating apparatus comprising a plurality of radiator sections arranged in spaced relation, a combustion chamber located between said sections and having at its top a distributing manifold connected on opposite sides with the upper portions of the sections, a discharge manifold below said chamber between said sections and connected on opposite sides to the lower portions of the latter, all of said parts being constructed of cast metal to resist corrosion and in fluid-tight connection with one another to form a closed system for the products of combustion, fluid fuel burning means in said combustion chamber and a casing enclosing said parts to form an air heating space.

1,536,647. AUTOMATIC CALENDAR CLOCK. AMANDUS ANDRESEN, Brockton, Mass. Filed Nov. 10, 1923. Serial No. 674,069. 2 Claims. (Cl. 58—6.)



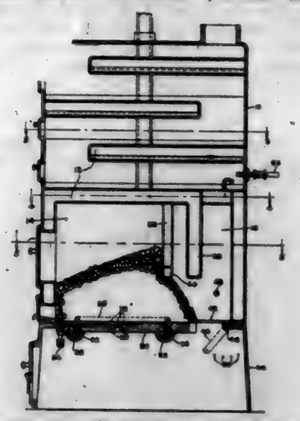
1. The combination of an escapement comprising a spindle supported to have a longitudinal movement, an escape wheel, a pallet member carried by said spindle to engage said wheel, a cam hub rotated by said clock once in a day, a pin projecting from said spindle to be engaged by said cam hub for moving the spindle and hence the pallet member in one direction, and a spring for oppositely moving the spindle and member.

1,536,648. AIR HEATER. FRANK R. ARTHUR, Mountain View, Calif. Filed June 2, 1924. Serial No. 717,269. 6 Claims. (Cl. 126—116.)



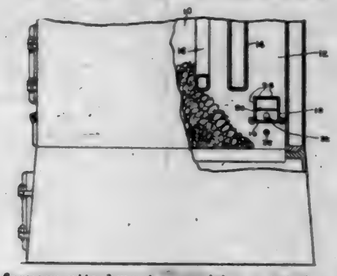
1. In a heater of the character indicated, a pair of vertically spaced chambers, an axially arranged tube connecting said chambers, a plurality of tubes spaced about said central tube and connecting said chambers, a chamber arranged within the upper chamber and communicating therewith, and an outlet from said upper chamber at a point remote from its communication with said inner chamber.

1,536,649. SMOKE-CONSUMING FURNACE. CHESTER E. BETCHER, Minneapolis, Minn. Filed Apr. 26, 1924. Serial No. 709,157. 3 Claims. (Cl. 110—65.)



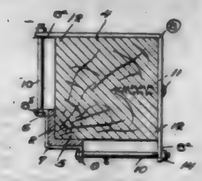
1. A furnace comprising a firebox, a combustion chamber, a firewall between said firebox and said combustion chamber and spaced above the bottoms thereof, and a grate consisting of vertically disposed, depending grate bars spaced in front of said firewall having its lower end spaced above the bottom of said firebox.

1,536,650. FURNACE ATTACHMENT. CHESTER E. BETCHER, Minneapolis, Minn. Filed May 2, 1924. Serial No. 710,573. 4 Claims. (Cl. 110—60.)



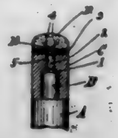
1. A furnace attachment comprising a tubular member in the combustion chamber of the furnace, a horizontal partition extending for a portion of the length of said tubular member, a water supply pipe extending into said tubular member beneath said partition and a spraying nozzle on the end of said pipe, said tubular member having perforations above said partition for the escape of steam.

1,536,651. STEEL-DERRICK REENFORCEMENT. TROY ALMOND LEONARD BOWEN, Tulsa, Okla. Filed Nov. 6, 1924. Serial No. 748,185. 2 Claims. (Cl. 20—0.5.)



1. The combination with a corner upright of a derrick formed from angle iron, of reenforcing means therefor, said means comprising a rectangular shaped bar, said bar having one of its corners disposed within the angle iron, right angularly shaped plates carried by the angle iron and the bar and oppositely disposed, and right angularly disposed bolts connecting the plates together.

1,536,652. CUE TIP. GEORGE A. BROCKWAY, St. Paul, Minn. Filed Jan. 20, 1921. Serial No. 438,787. 1 Claim. (Cl. 273—70.)

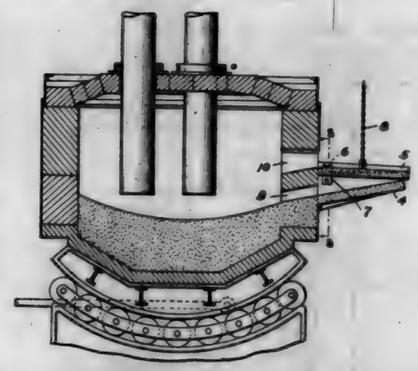


A cue tip comprising a ferrule secured upon the end of a cue, a tip member disposed upon the outer end of said ferrule, a spring member extending from said tip member and frictionally engageable within the ferrule recess, the transverse edge extremities of the ends of the spring member being beveled inwardly toward each other whereby the ends will extend divergently when driven into the tip member, each diverging end of said spring member being formed with a spear-like head having a pair of lateral sharp spurs directed divergently toward the ferrule and undercut.

1,536,653. METHOD OF MAKING SILICON STEEL. VERE B. BROWNE, Brackenridge, Pa. Filed May 15, 1923. Serial No. 639,195. 4 Claims. (Cl. 75—45.)

1. The method of adding manganese to steel, which consists in directly reducing manganese from manganese ore by bringing together in the ladle manganese ore and molten steel.

1,536,654. TILTING FURNACE. VERE B. BROWNE, Brackenridge, Pa., assignor to Valley Holding Corporation, Brackenridge, Pa., a Corporation of Pennsylvania. Filed June 23, 1923. Serial No. 647,267. 5 Claims. (Cl. 266—38.)

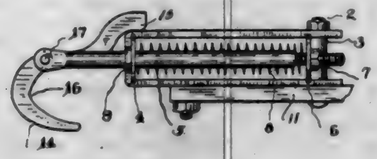


1. A tilting furnace provided with two vertically aligned tap-holes one of which is located below and the other above the slag line and spouts adapted to cooperate with said tap-holes.

1,536,655. METHOD OF MANUFACTURING STEEL SHEETS. VERE B. BROWNE, Brackenridge, Pa., assignor to Valley Holding Corporation, Brackenridge, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1924. Serial No. 743,498. 2 Claims. (Cl. 148—12.)

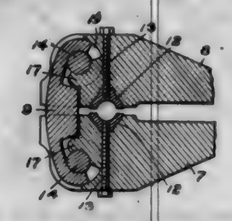
1. The method, which consists in hot-rolling sheet bars to approximately sixty per cent of the finished length of the sheets required, then in annealing and pickling the semi-finished sheets, then in cold rolling the same to an extent necessary to remove superficial surface defects, then in matching and heating the same to a relatively low temperature, then in rolling the match sheets to length between highly polished smooth rolls and then in annealing and pickling the sheets whereby steel sheets having a high-grade surface and suitable for deep drawing and stamping operations are produced.

1,536,656. DRAFT BREAK HOOK. GEORGE WESLEY BRYANT, Ashburn, Ontario, Canada. Filed Aug. 29, 1924. Serial No. 734,998. 3 Claims. (Cl. 280—33.16.)



1. A break-hook comprising a frame adapted to be secured to a draft connection; a pair of rods slidably mounted at opposite sides of the frame and extending forwardly of the same; a coil spring normally in compression mounted in and bearing at one end against the frame; a cross head to which the rods are connected bearing against the other end of the spring; a hook pivotally mounted between the forward ends of the rods, the throat of said hook being substantially in line with the aforesaid draft connection; and a tail on said hook extending towards the frame and normally resting on top thereof but adapted to swing by the frame when the rods move a sufficient distance against the compression of the spring, the hook being proportioned to swing by the end of the frame when the rods are in normal position relative to the frame.

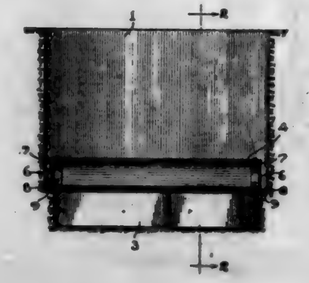
1,536,657. WIRE CLAMP. JOHN J. CAMPBELL and FERDINAND J. SPANG, Butler, Pa., assignors to Spang and Company, Butler, Pa., a Corporation of Pennsylvania. Filed Dec. 15, 1921. Serial No. 522,517. 12 Claims. (Cl. 24—135.)



1. A wire line clamp comprising a back plate, clamp arms, a separate pin for pivotally securing each arm to said plate, said arms and plate being provided with pin encircling lugs and additional pin engaging surfaces so formed as to substantially relieve the pins of shearing strains when the arms are forced to a closed position.

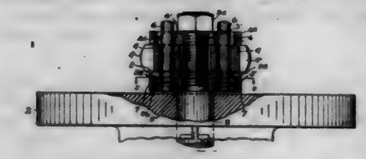
1,536,658. METAL PROTECTOR FOR GRAVES. CHARLES B. CARR, Drummond, Okla. Filed Apr. 10, 1924. Serial No. 705,589. 2 Claims. (Cl. 27—30.)

1. As an article of manufacture, a metallic grave protector comprising a body having ends, said body being adapted to be positioned to arch over the casket receiving container, the wall of the body being spaced from the top of the container to withstand the earth thereabove, said protector having a marginal flange upwardly



curved in cross section and adapted to engage and rest upon a ledge constructed on the side and end walls of the grave.

1,536,659. ADJUSTABLE CUTTER HEAD. RAY L. CARTER, Syracuse, N. Y. Filed June 19, 1924. Serial No. 721,045. 9 Claims. (Cl. 144—218.)



1. In a cutter-head, the combination with a stationary table, a driven threaded spindle, and a pair of similar cutters said cutters being bored out axially, of a pair of similar collars having registering radial slots adjustably mounted on said spindle, said collars adapted to be spaced for receiving therebetween the said cutters, means for moving said cutters, means engaging the bores of the cutters and said radial slots for controlling the cutters radially relatively to said spindle, and means for clamping the collars to said spindle.

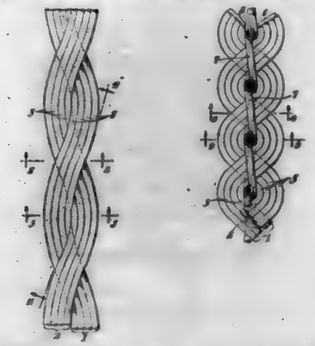
1,536,660. METHOD OF MANUFACTURING STEEL SHEETS. WILLIAM E. CAUGHERTY and SAMUEL C. HOOKEY, Natrona, Pa. Filed Oct. 13, 1924. Serial No. 743,499. 6 Claims. (Cl. 148—12.)

1. The method of making highly finished steel sheets free from Stead's brittleness, which consists in heating the sheet bars to a relatively high temperature, then in rolling said bars to less than 75 per cent of the length of the sheets to be produced, then in annealing and pickling the semi-finished sheets, then in cold rolling the semi-finished sheets to length and then in annealing the sheets.

1,536,661. CABLE AND METHOD OF MAKING THE SAME. EDWARD A. CONNER, Bridgeport, Conn., assignor to American Chain Company, Inc., a Corporation of New York. Filed Apr. 27, 1922. Serial No. 556,840. 6 Claims. (Cl. 245—1.5.)

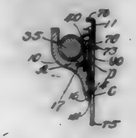
1. A cable consisting of two flat strands each of which is composed of a plurality of wires lying side by side, the said strands being so plaited together that their flat surfaces lie in contact with each other at points of crossing.

5. The method of making cable which consists in forming a plurality of wires into two flat strands and twining the strands thus formed together to form a substan-



tially flat structure, the twining being carried out so that the flat sides of the strands lie in contact with each other at points of crossing.

1,536,662. COMBINATION HAIR CUTTER AND SAFETY RAZOR. JOHN HENRY COWAN, Kansas City, Mo., assignor, by mesne assignments, to Nicholson Construction Company, a Corporation. Filed Apr. 3, 1922. Serial No. 549,072. 2 Claims. (Cl. 30—12.)



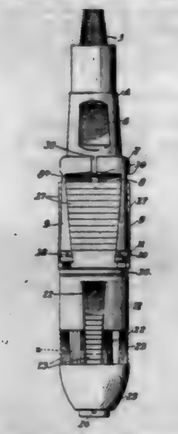
1. A device of the character set forth, comprising a blade-supporting member having a substantially flat blade-supporting surface on top with a tapered forward guard edge, a handle-retaining member pivotally mounted on said blade-supporting member, a handle detachably secured to said handle-retaining member, a thin safety razor blade adapted to lie on said flat blade-supporting surface with its cutting edge slightly in front of said tapered guard edge, and a comb-plate with teeth on its forward edge adjustably mounted on said blade-supporting member and lying over said blade.

1,536,663. METHOD OF MANUFACTURING STEEL SHEETS. OTTO HERRON CUNNINGHAM, Brackenridge, Pa., assignor to Valley Holding Corporation, Brackenridge, Pa., a Corporation of Pennsylvania. Filed Oct. 13, 1924. Serial No. 743,497. 7 Claims. (Cl. 148—12.)

1. The method, which consists in hot rolling steel sheets to a size considerably less and a gauge considerably greater than the size and gauge of the finished sheets, in then annealing the sheets at a normalizing temperature, in then pickling the sheets to remove the scale, in then cold rolling the sheets to length and gauge and then in annealing the sheets at a temperature below the normalizing temperature.

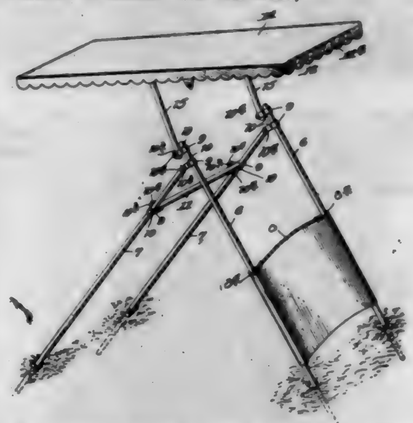
1,536,664. CASING SPEAR. BERT R. EMRICK, Nyaunghla, Upper Bufma, India. Filed June 14, 1922. Serial No. 568,184. 15 Claims. (Cl. 294—86.)

1. A casing spear comprising a mandrel having slips slidable on the upper part thereof, a wedge member slidable on the mandrel below the slips, lower slips in contact with the wedge member, said mandrel being recessed below the top of said wedge member, pivoted dogs in the recess having means thereon for engaging the wedge member when it is in its uppermost position to prevent downward movement thereof, and resilient means



for urging the dogs into wedge engaging position, said dogs normally being confined by the wedge member when said wedge member is below the uppermost limit of movement, the top of said wedge member transmitting motion to said upper slips.

1,536,665. COLLAPSIBLE BACK REST. FRANK M. FARGO, Evanston, Ill. Filed June 19, 1924. Serial No. 721,009. 2 Claims. (Cl. 155—158.)

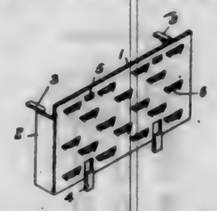


1. A back-rest having a pair of front legs connected by an interposed back-support of flexible material, a pair of rear legs pivotally and collapsibly connected at their upper-end portions with those of the rear legs, and a spreader releasably connecting the rear legs, characterized by the connecting means comprising yokes embracing and pinned to the front legs near their upper ends and embracing the rear legs near their upper ends, and pivot bolts passing through the yokes and rear legs and releasably fastened in place.

1,536,666. WALL STRUCTURE. JOSEPH P. FRANK, Knoxville, Pa., assignor of one-third to Philip S. Chess, Pittsburgh, Pa. Filed Feb. 27, 1924. Serial No. 695,450. 2 Claims. (Cl. 72—116.)

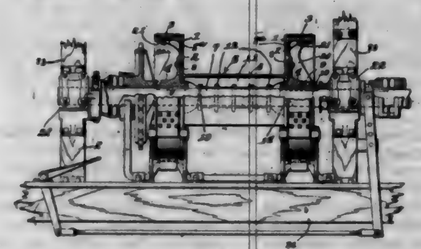
1. A unit for a wall structure formed of sheet metal and including a medial plaster-sustaining web, opposite

terminal flanges adapted to bear directly upon the vertical surface of an adjacent wall member, and tongues extending from said terminal flanges and adapted to



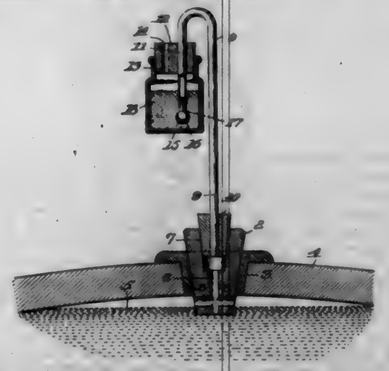
engage such adjacent wall member and by engagement to sustain the unit together with the plaster facing thereof.

1,536,667. BRAKE-DRUM CONSTRUCTION. EDWIN W. GOESER, Los Angeles, Calif., assignor to Union Tool Company, Torrance, Calif., a Corporation of California. Filed Sept. 5, 1923. Serial No. 661,018. 6 Claims. (Cl. 242—117.)



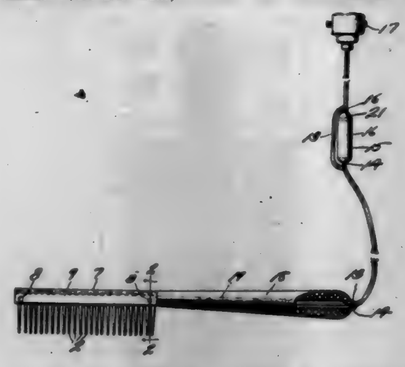
1. In a drum construction for a rotary draw works, the combination of a shaft, a drum having a metal spool of larger diameter than the shaft so as to form an annular space between the shaft and the spool, said spool having a plurality of integral longitudinally disposed ribs on its inner side engaging the side of the shaft, and operating to impart compression forces of the cable to the shaft.

1,536,668. GAS-VENTING DEVICE. SIGMUND L. GOLDMAN, Chicago, Ill. Filed Dec. 5, 1923. Serial No. 678,604. 4 Claims. (Cl. 217—105.)



1. A bung formed of a tapered body having continuously open ports for gas-venting, at its inner face and at the side of the tapered portion of the body which extends below the inner side of the cask when the bung is applied to use.

1,536,669. HEATED COMB. CLARA GRANT, St. Louis, Mo. Filed Mar. 6, 1923. Serial No. 623,197. 1 Claim. (Cl. 219—21.)



A hair straightening comb having teeth, hollow conically shaped members disposed in conically shaped recesses of the teeth, said hollow conically shaped members being connected together at their outer ends and held spaced and against movement in relation to each other, resistance coils permanently fixed in said conically shaped members, a U-shaped member detachably connected to the comb and arching the rear side thereof and housing the outer ends of the conically shaped members, said U-shaped member also forming a housing for conductor wires.

1,536,670. PAPER-FEEDING DEVICE. LAWRENCE B. GRASBERGER and JAMES T. FAY, Richmond, Va. Filed May 15, 1922. Serial No. 561,118. 18 Claims. (Cl. 271—42.)



1. A paper feeding device comprising rigid paper engaging means positively engaging the paper, adjacent yielding means for frictionally engaging the paper and flush with said rigid means and devices compressing said means between them, whereby when pressure is applied to said device said rigid means may project slightly beyond the surface of said yielding means.

1,536,671. LIGHTER. HANS GROSSMANN, Zurich, Switzerland. Filed June 2, 1922. Serial No. 565,450. 4 Claims. (Cl. 67—7.)



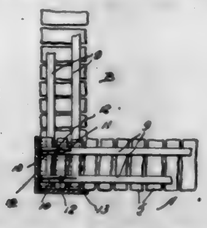
1. A lighter comprising in combination an apertured receptacle adapted to hold combustible pellets completely surrounded by an ignitable composition, means on said receptacle forming a chamber registering with said aperture in which chamber said pellets are singly presented to said aperture, tongs consisting of two relatively movable parts and a spring placed between them, one of said movable parts being a sleeve in which the other part is longitudinally movable against said spring, a single pellet being gripped by the relative movement of said tongs parts for withdrawing a pellet, holding the withdrawn pellet during ignition and while it burns, said tongs being normally inserted in said chamber and covering said aperture.

1,536,672. GAME. ERNEST HAVILAND HOBBS, Washington, D. C. Filed Oct. 1, 1924. Serial No. 740,969. 9 Claims. (Cl. 273—134.)



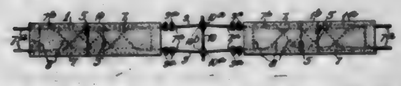
1. A game comprising a game board having spaces arranged in a series, a game piece, a change device controlling the primary movement of said game piece, and a qualifying chance means for controlling a possible further movement of said game piece.

1,536,673. WALL CONSTRUCTION. JOHN W. JOHNSON, Waycross, Ga. Filed Nov. 2, 1923. Serial No. 672,393. 1 Claim. (Cl. 72—83.)



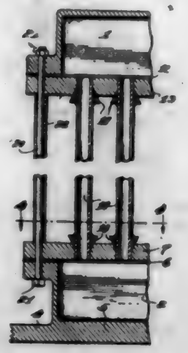
In a wall construction, a plurality of superposed horizontal rows of comparatively short logs extending transversely of the length of the wall, said logs being substantially uniform in diameter and the logs of one row being disposed in staggered relation with respect to those of the other row, all of said logs being spaced apart to permit a cement filler or binding material to be placed therebetween for maintaining them in their proper relative positions, bonding and leveling strips arranged between alternating rows of the logs, and tie wires for connecting the end logs and leveling strips together.

1,536,674. RAIL TIE. CHARLES JONES, Geelong, Victoria, Australia. Filed Sept. 24, 1924. Serial No. 739,497. 4 Claims. (Cl. 238—31.)



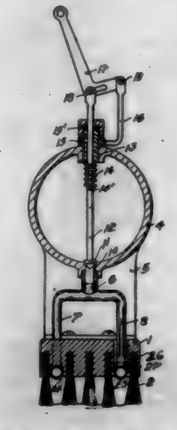
1. A rail tie of the character described, comprising spaced blocks for supporting rails, said blocks having projections, normally parallel links connecting the projections of one block with those of the other, and means for adjustably forcing said links out of parallelism to reduce the space between the blocks.

1,536,675. RADIATOR. LOUIS J. LA LONDE, Detroit, Mich. Filed July 30, 1921. Serial No. 488,572. 2 Claims. (Cl. 257—129.)



1. A radiator comprising a pair of tanks arranged to discharge a liquid one into the other, detachable cover plates for said tanks provided with oppositely disposed countersunk openings, tubes fitted in the latter conveying the liquid to and from the tanks continuously, said tubes having straight portions at their extremities to snugly fit within the straight portions of said openings, conical wedges on the exterior surface of said tubes inwardly from the extremities thereof to fit within the countersunk portions of said openings, bolts serving to unite the tanks with each other at the opposite ends, including the terminals of their said plates, and tubular spacers enclosing said bolts intermediately of the plates, said spacers operating to maintain the wedges on and around the tubes in a set position relatively to the countersunk openings.

1,536,676. SCRUBBING BRUSH. ANTON A. LERAAS, Spokane, Wash. Filed Feb. 26, 1924. Serial No. 695,154. 2 Claims. (Cl. 15—131.)



1. The combination with a brush head having a pair of spaced grooves, of perforated, distributing pipes slidably mounted in said grooves and having inlet ports, spaced collars on said pipes forming annular grooves, a pivoted detent on said head for engagement with each groove, and means for supplying a liquid detergent to each distributing pipe.

1,536,677. TOY. GAETANO LIPARI, San Jose, Calif. Filed May 6, 1924. Serial No. 711,437. 1 Claim. (Cl. 46—14.)



An article of manufacture comprising two symmetrical vanes, each vane comprising a circular element cut at one place from circumference to center and having the two quarters of the element on either side of said cut bent in opposite directions at right angles to the remaining half of the element, the two vanes being arranged in opposed relation to each other and at right angles to each other with the angularly bent quarters of one element overlapping the opposing angularly bent quarters of the other element, the overlapping quarters being secured together and having pivot pins mounted therein on the axis bisecting the same.

1,536,678. PLANT SUPPORT. ANTHONY MARKOWSKI, Chestnut Hill, Pa. Filed Aug. 24, 1923. Serial No. 659,031. 2 Claims. (Cl. 47—47.)

1. A plant support comprising a doubled-wire standard embodying vertically parallel rods with the free ends coiled together and offset to provide a pair of legs, a third offset leg pivoted in the coiled portion aforesaid, and an associated plant engaging means embracing two hoops each fashioned from a single strand of wire and each provided with an integral sustaining shank, said shanks being aligned and twisted together centrally of the member to an extent conforming with the space intervening between the aforesaid parallel rods, with the ends of the wires projecting beyond the region of the juncture bent to afford, adjacent said juncture, a pair of main friction loops with their approaches facing each other, and at their terminals with a pair of auxiliary friction loops aligned with the former but with their approaches facing in a direction from one another, said coordinated pairs of friction loops being adapted to engage respectively with the parallel bars of the standard.

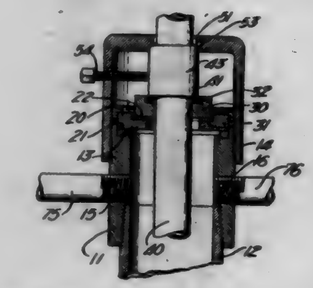
1,536,679. PLANT SUPPORT. ANTHONY MARKOWSKI, Chestnut Hill, Pa. Filed Aug. 24, 1923. Serial No. 659,032. 13 Claims. (Cl. 47—47.)



1. A plant support including a standard comprising a main component member of wire affording a single strand mounting stem with an integral offset leg, and a complementary member affording two additional offset legs to form a tripod base for the standard, in combination with a plant engaging member having integral bifurcate loops adapted to frictionally engage the stem of the standard.

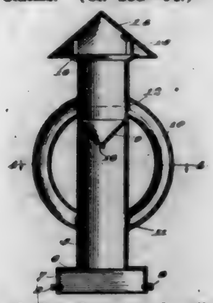
5. A plant support comprising a single mounting stem having a tripod base, in combination with a plant engaging member in the form of a hoop with an internal radial sustaining shank terminated with bifurcate grips adapted to frictionally engage the mounting stem.

1,536,680. CASING HEAD. WILLIAM L. MCLAINE, Los Angeles, and WILLARD L. BOROUGH, Fullerton, Calif. Filed Sept. 28, 1922. Serial No. 591,177. 8 Claims. (Cl. 166—14.)



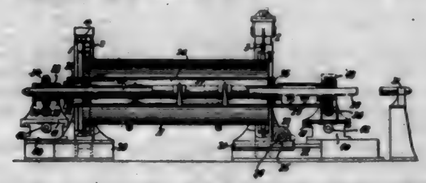
1. A casing head structure comprising: a member adapted to be attached to the top of the well casing and having a seat formed in the top thereof; a casing head ring resting on said seat and upon which a collar of the tubing may be supported; and means for engaging the top of said collar and said member.

1,536,681. SPARK ARRESTER. STANISLAW MICHALAK, Toledo, Ohio. Filed Sept. 19, 1924. Serial No. 738,631. 3 Claims. (Cl. 183—94.)



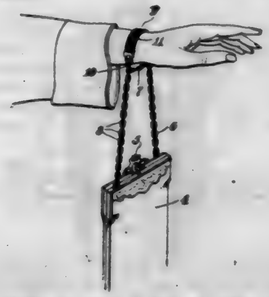
1. A device of the character described including a pipe, an inverted truncated cone shaped baffle plate mounted within said pipe, and a plurality of branch passages having one end connected to said pipe below said baffle plate and their opposite ends connected to said pipe above said baffle plate.

1,536,682. MEANS FOR THE LINING OR MANUFACTURE, CENTRIFUGALLY, OF PIPES, COLUMNS, AND OTHER HOLLOW ARTICLES. DONALD MOIR and HUGH BUCHANAN, Rosario de Santa Fe, Argentina. Filed Oct. 13, 1923. Serial No. 668,320. 6 Claims. (Cl. 25—30.)



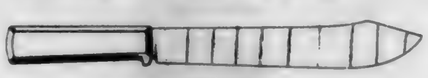
1. In means of the kind herein referred to a chuck ring, pinching screws projecting radially inwards from said chuck ring, brackets removably secured to the chuck ring and members arranged to slide in said brackets, said members constituting inward extensions of the pinching screws, for the purpose set forth.

1,536,683. DEVICE FOR CARRYING ARTICLES FROM THE WRIST. CÉCILE MOREAUX, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,633. 4 Claims. (Cl. 224—29.)



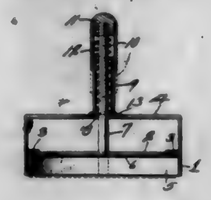
1. In a device to carry a bag or other article from the wrist, the combination of a continuous flexible suspending member looped above the article to be carried, and a short stretchable bridging member extending across between two separated points on the suspending member and connected at its ends to such points, whereby the wrist may be inserted and is surrounded by the bridging and part of the suspending member.

1,536,684. STAINLESS STEEL AND HARDWARE ARTICLES MANUFACTURED THEREFROM. HAROLD H. MORGAN, Pittsburgh, Pa. Filed Dec. 18, 1922. Serial No. 606,612. 1 Claim. (Cl. 75—1.)



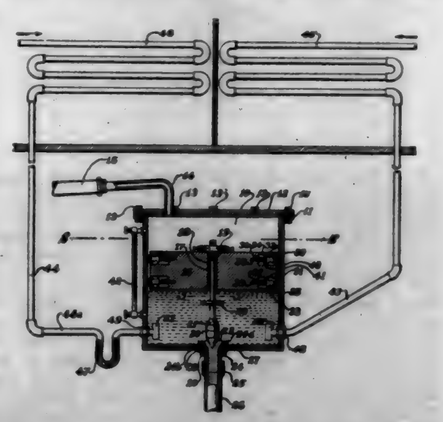
An article of cutlery manufactured from steel containing from about 2 to 30 per cent of nickel and from about 6 to 20 per cent of manganese.

1,536,685. COOKY CUTTER. HENRI HAROLD MUIRHEAD, Bloomsburg, Pa. Filed May 26, 1924. Serial No. 715,890. 1 Claim. (Cl. 107—51.)



A cooky cutter comprising a chambered body member, a disc disposed within the chamber of the body member and spaced from the wall thereof, a U-shaped handle member carried by the body member, a shaft carried by the disc and extending through an enlarged aperture of the handle member, a knob threaded on the upper end of the shaft, a sleeve carried by said knob and disposed in an annular channel of the knob, said knob carried sleeve telescopically engaging a sleeve rigidly carried by the center of the handle member and surrounding the aperture therein, a coiled spring surrounding the shaft and disposed within the sleeves and entirely housed thereby, said sleeves forming sole means for axially guiding the shaft and disc during a cooky ejecting operation and maintaining the disc in spaced relation to the wall of the chambered member.

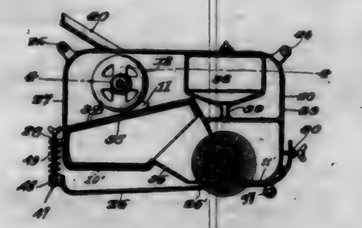
1,536,686. HEATING SYSTEM. JAMES MULLEN and LEAMAN S. HARVEY, Waterbury, Conn. Filed May 19, 1924. Serial No. 714,269. 1 Claim. (Cl. 137—103.)



In a steam trap for a steam heating system, a casing having an inlet at the bottom for receiving condensed steam from the heating system, an outlet in the bottom

of said casing, a float in said casing, a vertical valve rod passing loosely through said float, said valve rod having a valve head for normally closing said outlet, said rod having a collar above said float, whereby the valve head will be lifted by said float to permit water to escape when the level in the casing rises to a predetermined point, and a combined air outlet pipe and excess steam condenser leading from the top of said casing, said condenser having a downwardly inclined enlarged section adapted to be cooled by the surrounding air to condense any excess steam which may pass through the casing.

1,536,687. ELECTRIC CLEANING DEVICE. CHARLES C. OATEY, Dubuque, Iowa. Filed Aug. 11, 1921. Serial No. 491,540. 10 Claims. (Cl. 15—50.)



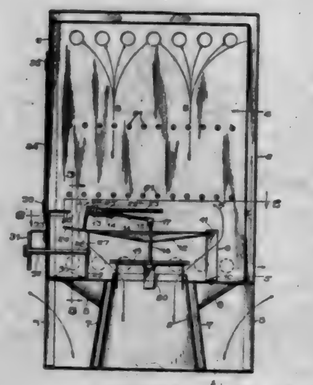
1. A cleaning device including a housing, detachable supporting runners carried by the housing and formed to provide an opening, a brush mounted within the housing and operating through the opening, and means for normally urging the runners and housing apart.

1,536,688. ELECTRIC FLATIRON CONNECTION. IVYAL R. OSBORN, River Falls, Wis. Filed Mar. 29, 1924. Serial No. 702,773. 1 Claim. (Cl. 173—332.)



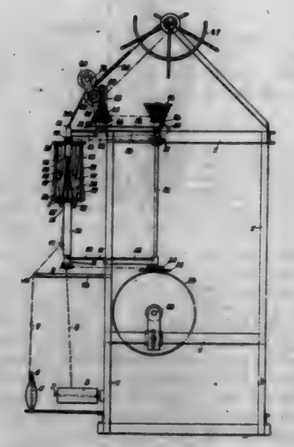
An electric cable connection comprising two coupling members, one of which has two contact tongues with lateral notches, the other member having openings in which to receive said tongues, a metallic channel secured in each opening and having an offset resilient arm secured with one end to the inner end of the channel and to the electric cable in said member, the other end portion having at its bottom side teeth arranged to interlock in the notches of the tongues, said coupling member having a longitudinal slot, a finger operated catch slidable upon the slotted side of the coupling member and having a neck slidable in the slot and provided with an actuating element movable upon the resilient arms to press their teeth into the notches of the tongues when the catch is moved toward the swinging end of the resilient arm and to permit the arm to spring away from the tongues when the catch is moved in the opposite direction.

1,536,689. TEMPERATURE-CONTROLLED HEATING DEVICE. RAYMOND C. PIERCE, New York, N. Y. Filed Oct. 18, 1923. Serial No. 669,489. 16 Claims. (Cl. 236—16.)



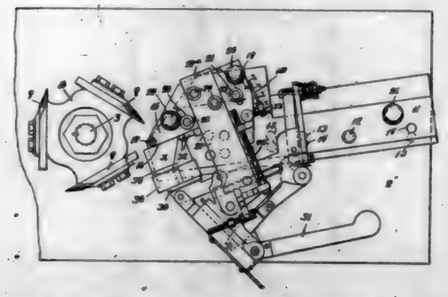
1. In a heating device, the combination of a thermostat, a valve, means operatively connecting the thermostat and valve, and a deflector to direct the products of combustion to secure a uniform temperature and adapted to support the thermostat.

1,536,690. MACHINE FOR MANUFACTURING LOOP YARN. ARMIN RICHTER, Isselhorst, Germany. Filed June 26, 1922. Serial No. 570,891. 6 Claims. (Cl. 117—1.)



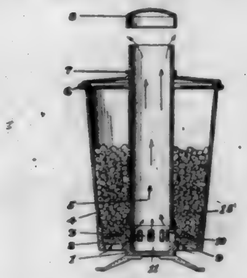
1. In a machine for the purpose described, the combination of a relatively stationary support for a core thread bobbin, a similar support for a loop thread bobbin, a winding peg spindle positioned to receive thread from bobbins on both said supports, and a rotatable support for a winding thread bobbin positioned to deliver thread from the bobbin thereon at the end of the winding peg spindle.

1,536,691. HEEL-BLANK BREAST-SHAPING MACHINE. HARLEY W. RUSS, Haverhill, Mass., assignor to Merrimack Wood Heel Co., Salem, N. H., a Corporation of Massachusetts. Filed May 15, 1924. Serial No. 713,465. 9 Claims. (Cl. 144—137.)



1. A machine for shaping the breast side of a heel blank comprising a rotary cutter having its cutting edges movable in a circular path and adapted to form a transversely concave groove, a heel blank holder movable in a curved path and having means to hold the blank with its base end at a predetermined angle to said path and in position to be carried longitudinally past the cutter with its base end at an oblique angle to the path in which it is moved, to form a groove in one side of the blank from end to end having a predetermined longitudinal convexity and an obtuse angularity to its base end.

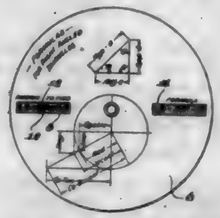
1,536,692. ORCHARD HEATER. WILLIAM C. SCHEU, Upland, Calif. Filed May 17, 1923. Serial No. 639,608. 9 Claims. (Cl. 126—59.5.)



1. A device of the character described comprising a base member having an annular recess and a central chamber formed by walls integral with said base member, two of the said walls forming said annular recess being provided with draft openings, an outer member rising from the outer wall of said recess and an inner member rising from the inner wall of said recess whereby a magazine is formed for maintaining a supply of fuel therein, and a cover for said magazine having a central opening through which said inner member extends and a separable cap for covering said inner member.

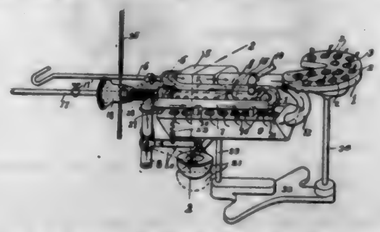
1,536,693. TABULAR CALCULATOR. FRANK A. SCHNEIDER, Cleveland, Ohio. Filed Aug. 15, 1922. Serial No. 582,021. 2 Claims. (Cl. 40—70.)

1. A tabular calculator comprising a slotted disc having legends associated with the slots and indicating known quantities, a problem, and a formula for solving the problem, a key picture upon the disc with symbols, and a second rotary disc mounted behind said first mentioned disc and having data thereon expressed in terms of the symbols of the key picture arranged in two semicircles, one semicircle being divided to show in tabular



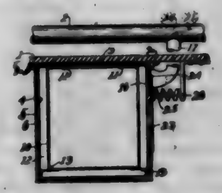
form the known quantities and the problem quantities, and the other semicircle showing the formula by which the problem quantities may be found.

1,536,694. OIL BURNER. GEORGE H. SIBLEY, Hartford, Conn., assignor of one-half to Charles F. Chandler, Stafford Springs, Conn., and one-half to Elizabeth S. Sibley, Hartford, Conn. Filed Dec. 17, 1924. Serial No. 756,457. 4 Claims. (Cl. 158—61.)



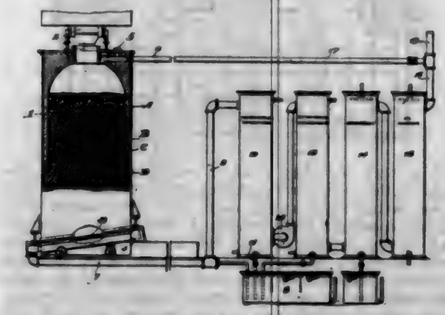
2. An oil burner comprising in combination, with a main burner proper, an auxiliary burner for pre-heating and vaporizing the oil, a mixing chamber connected to the burner, a U-shaped pipe connected to a source of oil supply and extending over the auxiliary burner, a perforated pipe located between limbs of the U-shaped pipe and connected to a gas supply for preheating the U-shaped pipe before the auxiliary burner is ignited, a pipe connecting the mixing chamber at an angle less than a right angle for causing a part of the contents of the mixing chamber to be diverted into the auxiliary burner after the perforated pipe has initially vaporized the oil in the U-shaped pipe and discharged it into the mixing chamber and the flame on the perforated pipe is extinguished, a valve for controlling the flow of vaporized oil into the mixing chamber, means for supplying air to the mixing chamber, and a pilot device on the perforated pipe for igniting the main burner.

1,536,695. STOVE. CLIFFORD H. SMITH, San Jose, Calif. Filed June 30, 1923. Serial No. 648,762. 1 Claim. (Cl. 126—20.)



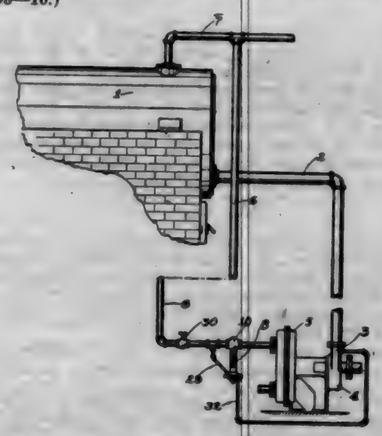
In combination with a case, a receptacle arranged therein and closed off therefrom and spaced a distance therefrom, a door common to said case and receptacle, a door mounted on said case, resilient means for normally holding said door in a closed position said case having inlet and discharge openings formed therein communicating with said space, an internal combustion engine exhaust pipe, and a tube communicating with said inlet opening and said exhaust pipe.

1,536,696. PROCESS OF CARBONIZING. GEORGE WIGHTMAN WALLACE, San Francisco, Calif. Filed Sept. 17, 1923. Serial No. 663,240. 10 Claims. (Cl. 202—16.)



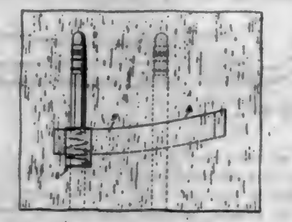
In the low temperature carbonization and distillation of shale and the like, the process of producing a controlled rapid low temperature carbonization which comprises initiating, maintaining and controlling a downwardly advancing zone of low temperature carbonization and distillation in a moist column of material by a down-draft of hot gases therethrough, said gases comprising returned combustible gases, arising from the operation, burning with admixed air and control of the advance of the zone being effected by regulation of the amount and proportion of the said gases and air.

1,536,697. GOVERNING DEVICE FOR PUMPS. OTTO WECHSBERG, Worcester, Mass., assignor to Coppus Engineering and Equipment Company, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 29, 1921. Serial No. 496,270. 7 Claims. (Cl. 103—10.)



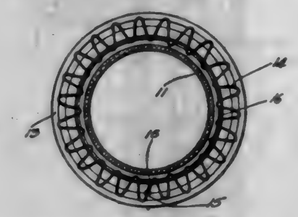
1. In apparatus of the class described, the combination with a steam boiler and a pump for supplying water thereto, of a governing device for controlling the operation of said pump so as to automatically maintain the discharge pressure thereof a predetermined amount above the boiler pressure and to stop said pump should the discharge pressure fall below a predetermined amount.

1,536,698. PENCIL CLIP. WILLIAM J. WHITE, San Francisco, Calif., assignor of one-half to William H. Gilbert, San Francisco, Calif. Filed Feb. 5, 1923. Serial No. 616,983. 1 Claim. (Cl. 24—11.)



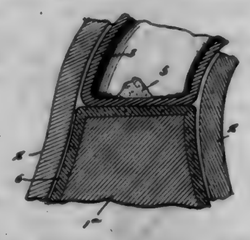
A pencil clip comprising opposed resilient jaws joined at their upper ends and spaced apart at their lower ends, between which jaws the outer wall of a garment pocket may be clamped, and a resilient member carried by and extending laterally across one of said jaws with its outer end curved outwardly away from said jaw, one of said jaws being longer than the other and having its outer end curved inwardly towards the other jaw and teeth on the shorter jaw extending towards the longer jaw.

1,536,699. GUARD FOR CHICK FOUNTS. ROBERT S. WHITMAN, Van Nuys, Calif. Filed Apr. 19, 1924. Serial No. 707,634. 2 Claims. (Cl. 119—63.)



1. In a poultry appliance, a guard formed of resilient material and adapted to be supported by engagement with a wall of a receptacle, said guard comprising a single wire coiled in a helix and having its ends connected.

1,536,700. METHOD OF MAKING HOLLOW RUBBER ARTICLES. FERDINAND F. BRUCKER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 19, 1924. Serial No. 721,092. 5 Claims. (Cl. 18—56.)



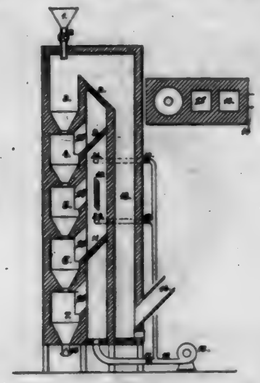
1. The hereindescribed method of making a rubber article, which consists in confining unvulcanized rubber between a mold and a core which does not fill the entire mold cavity, and other unvulcanized rubber in the part of the mold cavity not occupied by the core in the shape of a hollow biscuit containing a material which will be gasified by heat, and thereafter subjecting the mold to vulcanizing temperature.

1,536,701. DEVICE FOR MOORING SHIPS AND THE LIKE. JAMES FRANK BUCKINGHAM and CHARLES EDWARD BOWDEN, Leamington Spa, England; said Buckingham assignor to said Bowden. Filed Sept. 22, 1924. Serial No. 739,215. 4 Claims. (Cl. 114—230.)



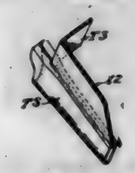
1. In a mooring device for ships and the like, the combination of a mooring rope, a hook attached thereto, a closure device for said hook, and a pole upon which said hook is loosely mounted adapted to control said closure device to hold it open when the pole and the hook are engaged and to allow its closure when said pole is withdrawn, substantially as set forth.

1,536,702. METHOD OF AND APPARATUS FOR ROASTING ORES. MARCH F. CHASE, Ardsley-on-Hudson, and JOHN SKOGMARK, New York, N. Y. Filed May 4, 1923. Serial No. 636,652. 10 Claims. (Cl. 263—21.)



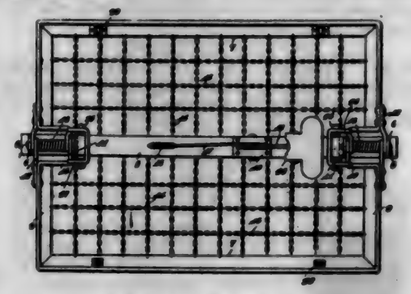
7. Apparatus for roasting ores, comprising a plurality of superposed chambers, each of said chambers communicating with the chamber next beneath through a restricted passage, means for supplying the uppermost chamber with ore in subdivided condition, means for supplying the lowermost chamber with an oxidizing gas, and means for by-passing the oxidizing gas around each of said chambers independently.

1,536,703. AXMINSTER TUBE FRAME. CHARLES H. COLLINS, Amsterdam, N. Y. Filed Oct. 23, 1923. Serial No. 670,376. 8 Claims. (Cl. 139—10.)



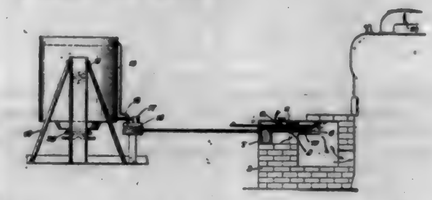
1. In a tube frame for an Axminster loom: a tube bar; frame carrying chain engaging members attached at the ends of said tube bar; and a series of yarn tubes projecting from said tube bar, the end tubes of said series having reinforcement and bracing parts so disposed that said end tubes are capable of withstanding a greater force than will the rest of the series.

1,536,704. TRAP. FELIX H. CRAGO, Milltown, Mont. Filed May 10, 1924. Serial No. 712,862. 2 Claims. (Cl. 43—68.)



1. A trap including a base, bracket members at the ends of the base, jaws including inwardly extended portions having right angled ends, said right angled ends having openings, bolts extending through the openings and having connection with the bracket members, said bolts providing supports for the jaws, latch members pivotally supported by the base and adapted to move into engagement with the right angled end portions to normally hold the jaws in their inactive positions, and coiled springs supported on the bolts and engaging the jaws for normally urging the jaws towards each other.

1,536,705. OIL BURNER. LUIS DE FLOREZ, Pomfret, Conn. Filed Oct. 26, 1922. Serial No. 596,956. 3 Claims. (Cl. 158—37.)



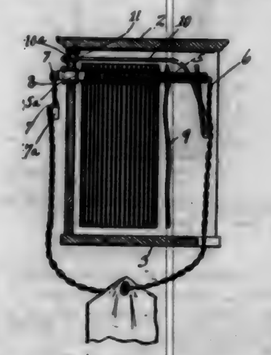
1. In a device of the kind described, an oil burner having a substantially constant level of oil therein, an oil level equalizing tank connected to the burner, a pivoted oil tank having vent and discharge pipes extending into the equalizing tank, the discharge pipe terminating in a casing containing a double seated valve adapted to be held open when in the said equalizing tank and to close when removed from said equalizing tank by the pivoting of the oil tank.

1,536,706. PROCESS FOR CHLORINATING BENZENE. OTTO ERNST and HANS WAHL, Hochst-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Nov. 21, 1923. Serial No. 676,176. 1 Claim. (Cl. 260—161.)

Process of chlorinating benzene which comprises passing a mixture containing benzene vapors, hydrochloric acid vapors and oxygen, at a temperature of at least 300° C. over a contact substance which promotes the interaction of hydrochloric acid and oxygen with the liberation of chlorine.

1,536,707. TOWEL-SERVICE DEVICE. STEPHEN B. FETHEROLF, Cincinnati, Ohio. Filed Jan. 12, 1921. Serial No. 436,785. 1 Claim. (Cl. 45—82.)

In a towel cabinet of the character described, the combination with a support, of a rigid stringer for towels demountably secured to the support, said stringer having a depending element extending therefrom, over which the towels are drawn for use, and a confining member to keep the towels on the support, comprising a piece of wire connected to the support at its ends

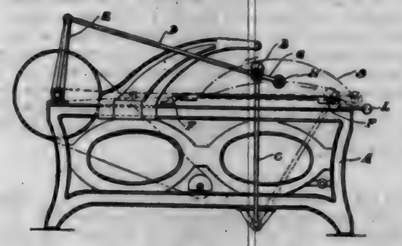


and extending outwardly above the stringer and then formed into a pair of depending loops lying across the towel bundle at two points and thence passing in a single loop over the top of the stringer, as and for the purpose described.

1,536,708. PROCESS FOR PRODUCING SULPHURYL CHLORIDE. HERBERT GORKE, Leverkusen, near Cologne, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. Filed Oct. 17, 1924. Serial No. 744,256. 1 Claim. (Cl. 23—203.)

The process for producing sulphuryl chloride, which process consists in treating chlorine with sulphur dioxid in the presence of graphite.

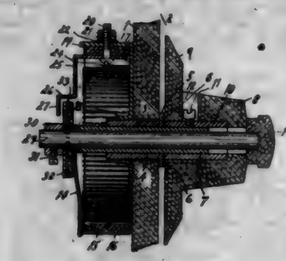
1,536,709. GUARD FOR CLOTH-FOLDING MACHINES. CLARENCE T. GRAHAM, Ridgefield, N. J. Filed July 1, 1924. Serial No. 723,611. 4 Claims. (Cl. 74—105.)



4. In a cloth-folding machine, the combination with a cloth-folding device, and connecting rods for operating the same, of extensions on said connection rods projecting beyond the cloth-folding device and a guard mounted on said extensions for eccentric adjustment relatively to the cloth-folding device.

1,536,710. RADIORHEOSTAT. AUGUSTINE E. GREENE, Willimantic, Conn. Filed Dec. 15, 1923. Serial No. 680,977. 6 Claims. (Cl. 201—65.)

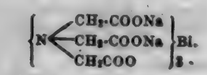
1. The combination, in a rheostat, with a hollow threaded member having a head, of a bracket having a hub tapped to receive said member, and also having a flange, a main resistance element and a vernier brush and stop bracket secured to said flange, a hollow shaft in said first-named member, a contact arm secured to said shaft for said element, a spindle in said shaft, a collar secured to said spindle, a vernier disc of insulating material secured to said collar, said disc being provided with a stop pin, and a vernier wire



carried by said disc, one end of said wire being in circuit-forming relation with said collar, and the other end being remote from the first.

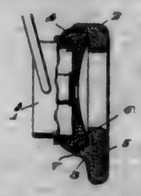
1,536,711. COMPLEX SODIUM BISMUTH SALT OF TRIGLYCOLLAMIC ACID. HANS HAHL, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Oct. 17, 1924. Serial No. 744,266. 1 Claim. (Cl. 260—11.)

The herein described new complex sodium bismuth salt of triglycollamic acid having most probably the formula:



and being a whitish amorphous compound containing about 20 per cent bismuth soluble in water with a neutral reaction.

1,536,712. TELEPHONE-RECEIVER ATTACHMENT. FRANK K. HEHNLY, Madera, Pa. Filed Mar. 3, 1924. Serial No. 696,613. 1 Claim. (Cl. 179—182.)

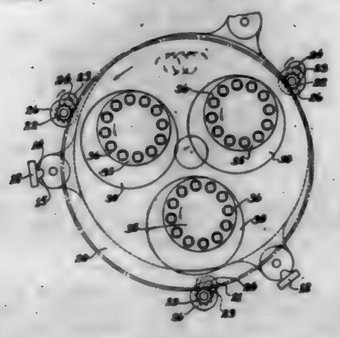


An attachment for telephone receivers comprising an apertured body shaped to snugly fit over the face portion of a receiver and also shaped in general conformity to the human ear, means for holding said body on a receiver, said means carried by the body, and an apertured pad corresponding in shape to the body and affixed thereto and adapted to bear against the head of a person; the said body being formed of hard vulcanized rubber, and the pad being formed of felt and having its inner portion affixed in the rubber whereby the body and the pad are connected of themselves.

1,536,713. PROCESS FOR THE PREPARATION OF DIAZO DERIVATIVES OF AMINOAZO COMPOUNDS. KARL HEUBNER and MAX SIMON, Leverkusen, near Cologne, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Original application filed July 24, 1924, Serial No. 727,984. Divided and this application filed Feb. 24, 1925. Serial No. 11,849. 3 Claims. (Cl. 260—69.)

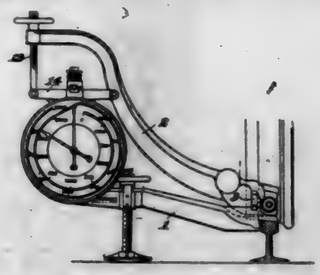
1. In processes of preparing alpha-diazo-naphthalene-alpha-azo compounds the steps comprising coupling diazo compounds with alpha-naphthylsulfaminic acids, splitting off the sulfo-group of the naphthylsulfamic acid and diazotizing in acid solution with alkali-metal-nitrites.

1,536,714. APPARATUS FOR AND METHOD OF MAKING SIMILAR ARTICLES. WILLIAM B. HOKE, St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 4, 1921a Serial No. 458,280½. 12 Claims. (Cl. 51—161.)



1. An apparatus for making similar articles having opposite plane parallel end faces, comprising in combination, a pair of laps having adjacent plane lapping surfaces adapted to contact with the articles being ground, a spider adapted to operate therebetween, said spider having openings therethrough in each of which a plurality of articles may be located, and means within said openings whereby said articles are maintained symmetrically disposed.

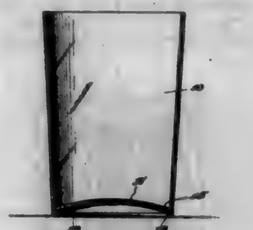
1,536,715. WEIGHING MACHINE FOR LOCOMOTIVES, RAILWAY WAGONS, AND OTHER VEHICLES. CARL HÖCKEL, Neutitschein, Moravia, Czechoslovakia. Filed Oct. 31, 1924. Serial No. 747,089. 5 Claims. (Cl. 165—52.)



1. A weighing machine for locomotives, railway carriages and wagons and other vehicles having wheels normally resting upon a stationary support, comprising two levers rotatable relatively to one another, a dynamometer arranged between adjacent ends of the two levers, the end of each lever remote from the dynamometer engaging between the wheel of the vehicle and its stationary support on each side of the point at which the wheel normally rests upon said support, and means for directly adjusting the points at which the ends of the levers come into contact with the wheel and the stationary support in the plane passing through the point at which the wheel normally rests upon its stationary support.

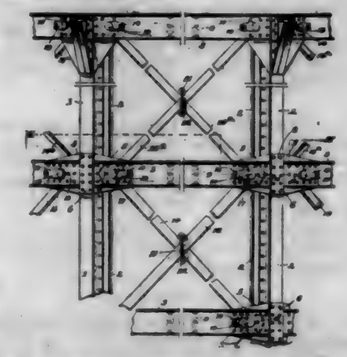
1,536,716. ADVERTISING DEVICE FOR DRINKING VESSELS. FREDERICK C. KADE, Philadelphia, Pa. Filed July 17, 1924. Serial No. 726,534. 4 Claims. (Cl. 40—10.)

1. An advertising device for drinking vessels of transparent material comprising a disk carrying a suitable imprint on one side and adapted to fit under the bottom of the vessel, and a bead provided below the bottom of the



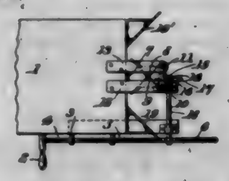
vessel adapted to engage with the edge of the disk to retain the same in position.

1,536,717. METALLIC BUILDING STRUCTURE. HUBERT KREKEL, Baltimore, Md., assignor to The Bartlett Hayward Company, Baltimore, Md., a Corporation of Maryland. Filed Apr. 11, 1922. Serial No. 551,569. 5 Claims. (Cl. 189—12.)



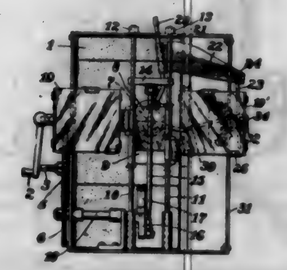
3. In a metallic building structure, the combination of a plurality of columns; a plurality of struts arranged in spaced relation and connecting said columns; a pair of eye-bars arranged in diagonal relation between each pair of struts; means attached to the struts adjacent the columns for supporting the upper ends of the eye-bars; and means associated with the means aforesaid for holding the lower ends of the eye-bars next above and placing the same under tension.

1,536,718. PHOTOGRAPHIC APPARATUS. GEORGE LANE and JOHN E. PATTERSON, Poughkeepsie, N. Y. Filed July 24, 1922. Serial No. 577,190. 6 Claims. (Cl. 88—16.6.)



1. A photographic apparatus including a casing, a lens, a mirror movable across the lens axis to reflect an image into said lens, a light sensitive surface behind said lens, a shutter between the image and the sensitive surface, and means to move said mirror during exposure of said surface, said surface receiving a reflected image from said mirror alone, during the reflective period of the mirror.

1,536,719. METHOD OF AND APPARATUS FOR STEREOSCOPIC PHOTOGRAPHY. GEORGE LANE and JOHN E. PATTERSON, Poughkeepsie, N. Y. Filed Aug. 11, 1923. Serial No. 656,836. 4 Claims. (Cl. 88—16.6.)



1. An apparatus of the type described including a casing adapted to contain a light sensitive surface, a lens, means to expose the sensitive surface to images of an object viewed from a convergent angle, and means to adjust the position of the images on the sensitive surface, said position adjusting means including a pivoted mirror and means to cause rotation of said mirror about a vertical pivot, said last named means including an arm connected with a focus adjuster attached to the lens.

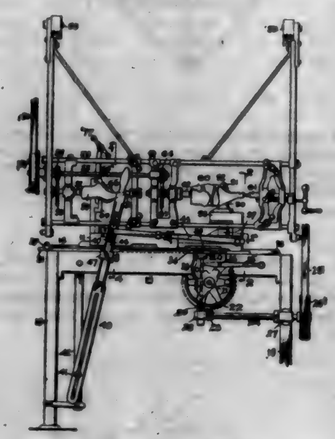
1,536,720. PNEUMATIC DISPLACEMENT PUMP. JOHN L. LATTA, Hickory, N. C. Filed Nov. 22, 1921. Serial No. 516,944. 9 Claims. (Cl. 103—246.)



1. In a pump of the character described, a billet comprising a core, a covering of resilient material on said core, a resilient disk valve integral with the lower end of said resilient covering, and a guide member secured to the core.

1,536,721. LAST LATHE. GEORGE B. MAGOON, Worcester, Mass. Filed June 27, 1922. Serial No. 571,161. 1 Claim. (Cl. 142—15.)

In a last lathe, a fixed base, a frame pivotally mounted for angular movement about a horizontal axis relative to said base, said frame rotatably supporting a pattern and a last block with their axes parallel to the pivotal axis of said frame, means to simultaneously rotate said pattern and said last block, a carriage mounted on said fixed base for sliding movement parallel to the axis of said pattern and last block, a cutter shaft vertically mounted in bearings in said carriage, a ball-shaped cutter mounted on said cutter shaft and having its cutting edges formed substantially as arcs of a sphere centered



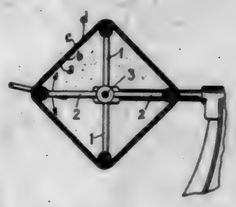
on said shaft, a ball-shaped pattern roll substantially equal in size and curvature to said cutter, and a support for said roll on said carriage, said roll being mounted for rotation about a horizontal axis parallel to the axes of said pattern and last block and said pattern and last block being simultaneously movable toward and from said roll and cutter by rolling contact of said roll and pattern.

1,536,722. PARACHUTE TOY. RALPH L. MILLER, Dayton, Ohio. Filed Dec. 8, 1924. Serial No. 754,560. 2 Claims. (Cl. 244—21.)



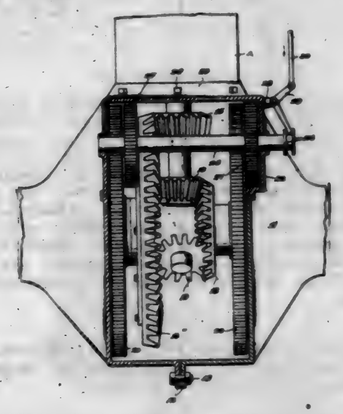
1. A toy comprising a substantially flat member free to be sailed into the air and formed with a projection, a band connected at one end to the flat member, with its other end free to be wound around the projection on the flat member and then to extend down for pressure against it by the thrower, and a parachute connected at one end to said flat member and held against one face of it by the band until the pressure against the free end of the latter is released by the thrower, for the purpose specified.

1,536,723. METHOD OF MAKING TIRES. FRANKLIN G. NEAL, Springfield, and DAVID F. LOGAN, Chicopee Falls, Mass., assignors to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 16, 1922. Serial No. 594,755. 17 Claims. (Cl. 154—14.)



1. In a method of tire building, the steps of stretching an endless band of carcass material in substantially flat form on a stretcher, completely releasing the band for a short interval of self-adjustment, and then applying the loose band to a tire shaping former.

1,536,724. DIFFERENTIAL. ROBERT G. NELSON, Belt, Mont., assignor of one-half to Clinton L. Crane and one-half to S. L. Crane, both of Armington, Mont. Filed July 25, 1923. Serial No. 653,754. 5 Claims. (Cl. 74—100.)

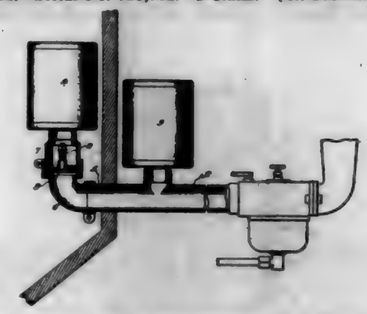


2. A differential including a differential housing, rear axle shafts extending therein, a propeller shaft associated with the housing, a differential gearing forming a driving connection between the propeller shaft and said axle shafts, companion gears fixed to the axle shafts, a longitudinally movable counter-shaft, companion gears fixed upon said counter-shaft, means for shifting the counter-shaft longitudinally and thereby moving said pinions into mesh with said last mentioned gears, and means secured to said housing forming a closure therefor and journaling said countershaft, said means with the countershaft and pinions being bodily removable as a unit.

1,536,725. PROCESS FOR DYEING FURS, SKINS, HAIRS, FEATHERS, OR THE LIKE. PAUL ONNERTZ, Berlin-Wilmersdorf, Germany, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Nov. 22, 1924. Serial No. 751,676. 1 claim. (Cl. 8—5.)

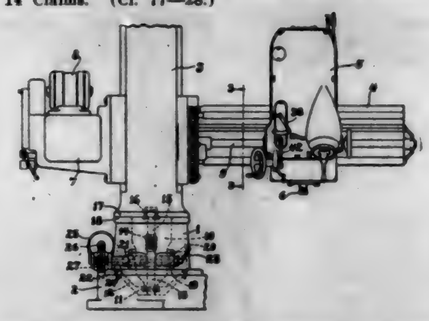
A process for dyeing furs, skins, hairs, feathers or the like consisting in treating the material to be dyed with a solution of 4-chloro-1.2-diaminobenzene in the presence of an oxidizing agent.

1,536,726. AIR CLEANER FOR CARBURETORS. FREDERICK S. OREM, Baltimore, Md. Filed July 12, 1924. Serial No. 725,702. 1 Claim. (Cl. 183—34.)



In combination with a carburetor, an air cleaner connected therewith, a supplemental air cleaner, a pipe connecting the main air cleaner with the supplemental air cleaner in spaced apart relation, and a valve for bringing said supplemental cleaner into service automatically when the main cleaner is out of service.

1,536,727. CLAMPING MECHANISM FOR RADIAL DRILLS. CLIFFORD F. RANDOLPH and CHARLES L. RICARDS, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 2, 1922. Serial No. 533,610. 14 Claims. (Cl. 77—28.)

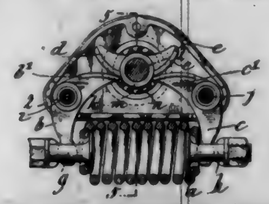


1. In a drilling machine, the combination of a base, a column supported thereon, an arm mounted on the column, projecting horizontally therefrom and normally adjustable about the column axis, a spindle supporting saddle carried by and adjustably along the arm, means including electrically operated means for clamping the arm against movement about the column axis and the saddle against movement along the arm, a switch for controlling the electrically operated means, a hand lever for controlling the switch and both said clamping operations, movement of the lever in one direction being adapted to perform the clamping operations and movement thereof in the opposite direction being adapted to perform the unclamping operations, and means normally holding the switch and lever in a neutral position with the said clamping means in either an arm and saddle clamping or unclamping position.

1,536,728. SPRING SUSPENSION ARRANGEMENT. ARTHUR WILLIAM REEVES, Alvechurch, England. Filed Nov. 29, 1921. Serial No. 518,658. 8 Claims. (Cl. 267—70.)

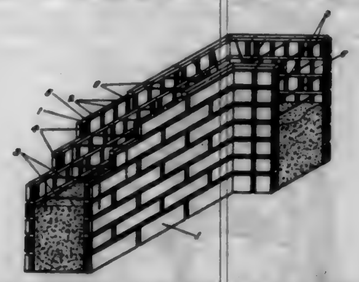
1. A spring arrangement suitable for use between two relatively movable bodies, said arrangement comprising two sets of differentially acting levers adapted to be connected to one of said bodies and arranged to be moved

in opposite directions from a normally stationary position, a spring arranged to be strained from one or the other end thereof by movement of one or the other of said sets of levers from its normal position the other



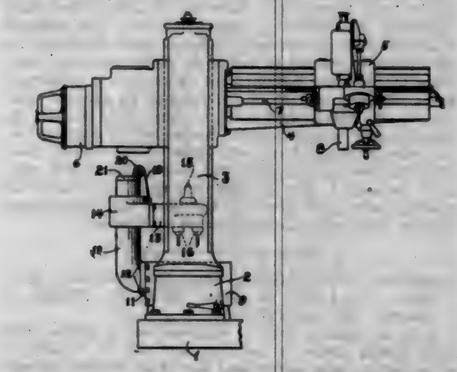
set of levers being then adapted to prevent movement of the other end of said spring and means adapted to be connected to the second body and to move one or the other of said sets of levers from its normal stationary position.

1,536,729. BUILDING-WALL STRUCTURE. WILLARD D. RICHARDSON, Columbus, Ohio. Filed Apr. 17, 1920. Serial No. 374,582. 7 Claims. (Cl. 72—43.)



1. The method of laying bricks in a wall which comprises providing a mortar of preformed cross-section and of such composition that it will hold any form given it, receiving such mortar upon a pallet, severing a portion of said column, and applying it to a brick to form a mortar joint by means of said pallet.

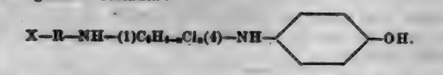
1,536,730. AUXILIARY COLUMN AND DRILL HEAD FOR RADIAL DRILLS. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 20, 1922. Serial No. 545,200. 6 Claims. (Cl. 77—28.)



1. In a radial drilling machine, the combination of a bed, a column mounted thereon, an arm mounted for rotary adjustment about the column axis, a drill spindle carried by the arm, an auxiliary column mounted on the bed adjacent the first named column, a tool head vertically movable thereon, and counterbalance means in the auxiliary column operatively connected to the tool head for normally holding the same in a raised position, the arm adjustment permitting the aligning of the spindle over the tool head, and the spindle being adapted to engage the tool head to drive the tools therein and to feed the head downwardly against the action of the last named means.

1,536,731. SULPHURIZED DYES. OSCAR SPENGLER, Dessau, and KARL KRÄUTZER, Nuremberg, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Jan. 25, 1924. Serial No. 688,601. 4 Claims. (Cl. 260—19.)

1. The herein-described sulphur dyes being, in the dry sulphurized state, dark powders with a metallic luster, dissolving in concentrated sulphuric acid to blue solutions and in a diluted solution of sodium sulphide to vats from which cotton is dyed in bluish violet to violet tints, being derivatives of the leucoindophenols of the general formula:

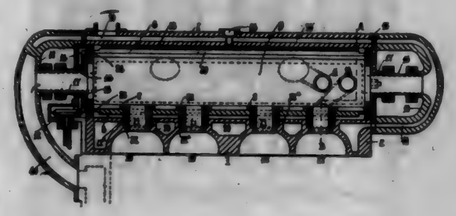


R meaning an aromatic radical, and X meaning a univalent radical.

1,536,732. MANUFACTURE OF VANILLIN. OSKAR SPENGLER and HUGO PFANNENSTIEL, Dessau-in-Anhalt, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin. Filed Aug. 1, 1924. Serial No. 729,655. 2 Claims. (Cl. 260—137.)

1. Process for manufacture of vanillin which consists in saponifying and oxidizing trihalogenmethylguaiacylcarbinol.

1,536,733. ROTARY VALVE. SYDNEY SYMONDS, Wembley Park, England. Filed Oct. 29, 1924. Serial No. 746,660. 12 Claims. (Cl. 123—190.)

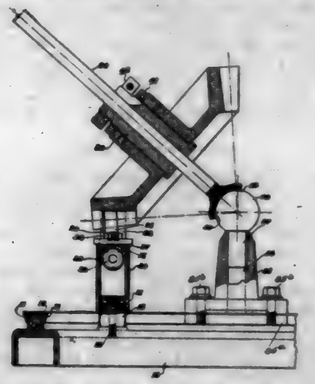


1. A rotary valve of the character described, comprising in combination, a valve casing having ports therein, a cock having ports therein, a self-tightening non-rotating floating sleeve having ports therein, said ported cock running in said sleeve, a drive for said cock, and floating ferrules fitting in the valve casing ports and the corresponding ports in the floating sleeve whereby the floating sleeve is maintained in position between said valve casing and said cock.

1,536,734. BEVEL-GEAR-TESTING DEVICE. HUBERT D. TANNER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 18, 1921. Serial No. 516,150. 17 Claims. (Cl. 33—147.)

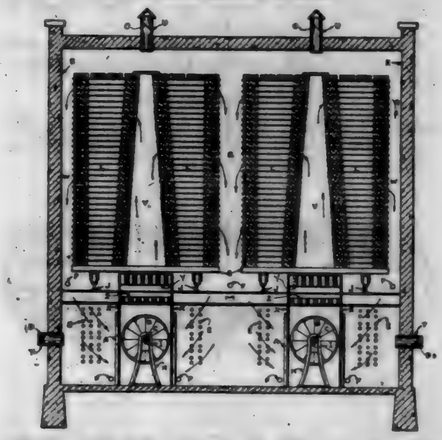
1. A device for testing bevel gears comprising in combination, means to support a gear so that it may be moved about the apex of its pitch cone, a member having a surface adapted to contact with the surface of one of the teeth of said gear, means holding said gear

against said surface, a movable member adapted to contact with the corresponding surface of an adjacent



tooth, and means to indicate the amount of movement of said movable member as said gear is rolled upon said members.

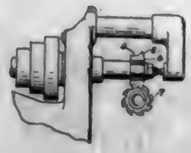
1,536,735. REVERSIBLE CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of The United States of America. Filed Oct. 24, 1923. Serial No. 670,568. 17 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



12. In a dry kiln arranged for flatwise end piling: two series of fans; two shafts upon which the fans are mounted for rotation; means for rotating said shafts in either direction to cause reversal of the circulation of the air and vapor in said kiln; dampered air inlet flues and dampered air outlet flues; means for heating the kiln and its contents; means for humidifying the atmosphere in the kiln; a series of plenum chambers for each fan; and a diffuser with restricted discharge passages for each plenum chamber.

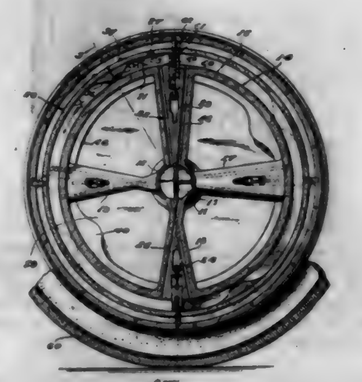
1,536,736. PROCESS OF MAKING MILLING CUTTERS. PAUL F. VOKAL and ALBERT W. ERDMAN, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 24, 1921. Serial No. 472,029. 6 Claims. (Cl. 76—101.)

1. The process of forming a milling cutter which consists in cutting teeth and spirally relieving the surfaces thereof in a cylindrical blank by means of a formed milling cutter, in grinding the relieved surfaces of the



teeth by a formed grinding wheel which is so shaped as to maintain the spirally relieved surfaces, and in sharpening the teeth by grinding the front cutting faces.

1,536,737. ROTARY ENGINE FOR VEHICLE WHEELS. ARTHUR J. WILLIAMS, Nashville, Tenn., assignor of one-fourth to Cheever J. Cameron, one-fourth to William F. Glenn, jr., and one-fourth to Iva B. Glenn, all of Nashville, Tenn. Filed Aug. 23, 1922. Serial No. 583,843. 2 Claims. (Cl. 121—26.)

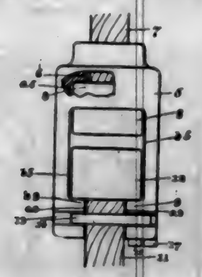


1. A rotary engine comprising a stator in the shape of a cylindrical drum, a central hollow shaft, radial spokes connecting said drum and shaft and being integral therewith, a longitudinal partition in said hollow shaft extending diametrically across the same and defining manifolds, said spokes each having a pair of tubular intake passages leading in radial direction from said manifolds to the outer periphery of the drum; a cylindrical rotor enclosing said drum and forming an annular space around the same, abutments on the rotor having the radial extent of said annular space and the circumferential extent identical on both sides of their apex, gates yieldably mounted in said drum, and symmetrically situated between a pair of said passages, and means for raising each gate over an abutment and independent thereof, said means being actuated by said rotor.

1,536,738. BULL HOOK. OSCAR A. WIRKKALA, Kent, Wash. Filed July 16, 1924. Serial No. 726,410. 2 Claims. (Cl. 24—123.)

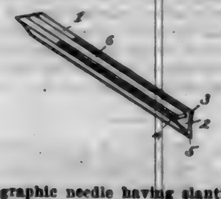
1. In a logging hook in combination, a hollow hook body having means on its upper end for the attachment of a hauling cable thereto and having an opening through its front wall near its lower end for the passage of a service-cable knob therethrough, transverse jaws on the lower end of said hook body having a slot therebetween

adapted to receive a service cable and having an upper surface adapted to seat said service-cable knob, and a removable keeper disposed in recesses in said jaws and



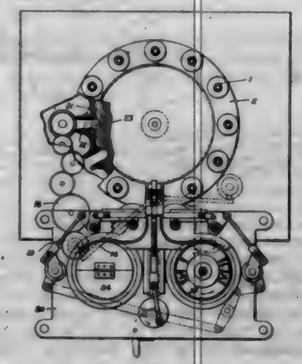
adapted to bar said jaw slot in front of said service cable whereby said service cable is removably retained between said jaws with said service-cable knob on top thereof.

1,536,739. PHONOGRAPHIC NEEDLE. HENRY A BRASSARD, Cleveland, Ohio, assignor of one-half to Thomas J. Dugan, Cleveland, Ohio. Filed Mar. 19, 1920. Serial No. 367,062. 4 Claims. (Cl. 274—38.)



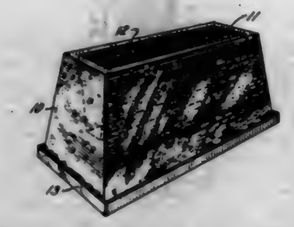
3. A phonographic needle having slanting walls which converge, the said walls having an edge which is free to vibrate and a tongue which is also free to vibrate extending between said walls.

1,536,740. FEEDING MECHANISM FOR BASE-MAKING MACHINES. JULIUS A. AKEROYD, Edgewood, Providence, R. I., assignor to General Electric Company, a Corporation of New York. Filed Sept. 5, 1919. Serial No. 321,967. 11 Claims. (Cl. 49—2.)



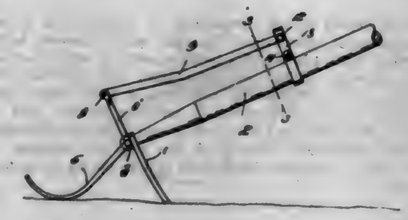
1. In a base making machine, the combination of a mold, means for carrying the same and means for causing it to assume a definite position when desired, with a plurality of receptacles for holding a supply of contacts, discharge passages communicating with said receptacles and feeding mechanism disposed between the delivery ends of said passages and said mold position comprising a common guideway leading to said mold position into which said contacts are fed and means for engaging said contacts and for forcing them along said guideway.

1,536,741. HUMIDIFIER. EARLE G. ALDEN, Denver, Colo. Filed Apr. 7, 1923. Serial No. 630,523. 3 Claims. (Cl. 131—30.)



1. A humidifier comprising a block of porous material having a recess formed in the top thereof, the cubical contents of said recess being substantially equal to the cubical capacity of the cellular spaces in said porous material.

1,536,742. RAKE ATTACHMENT. ERNEST G. ANDERSON and WILLIAM J. GRATRICK, Minneapolis, Minn. Filed Apr. 24, 1924. Serial No. 708,816. 2 Claims. (Cl. 55—10.)

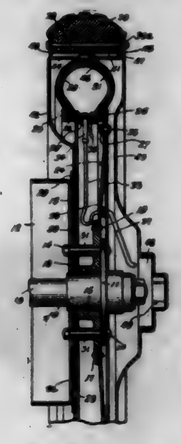


1. In combination with a rake and the handle thereof, of a gage associated therewith comprising a shaft extending longitudinally on the head of said rake and adapted for rotary movement thereon, gage elements formed on the outer ends of said shaft and extending forwardly and downwardly therefrom, a projection extending upwardly from the intermediate portion of said shaft, a lever connected to the upper end of said projection, and extending rearwardly over said handle, and an adjustable clamp supported on the handle and connected to the opposite end of said lever.

1,536,743. RESILIENT DISK WHEEL. HIRAM C. ANDERSON, New York, N. Y. Filed June 27, 1923. Serial No. 647,974. 4 Claims. (Cl. 152—34.)

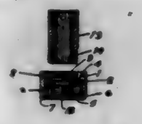
3. In disk wheel construction, the combination with a relatively wide tread rim and a tread adapted to be supported thereby, of securing means for attaching said tread to the rim comprising a cylindrical portion having

flanges extending inward and outward therefrom, the tread member being seated between the outwardly ex-



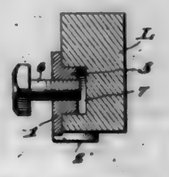
tending flanges, while the inwardly extending flanges abut against said rim so as to rest thereon and to form in co-operation therewith a dead air space.

1,536,744. TIRE LOCK. MARTIN E. ANDERSON, Denver, Colo. Filed Apr. 10, 1924. Serial No. 705,431. 14 Claims. (Cl. 152—12.)



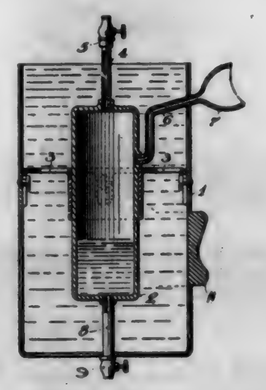
1. A locking device comprising, in combination, a casing having a cylindrical chamber, said chamber being provided with a top and a bottom, each of which has an axial opening of less diameter than the chamber, the opening in the top being threaded, a nut within said chamber, said nut being freely movable therein, and of greater diameter than the opening and a tubular threaded member operatively related to the top and adapted to force the nut against the bottom and to clamp it against rotation.

1,536,745. LOOM-CHECK MOUNTING. JAMES A. ANDREWS and JOHN W. HERBERT, Biddeford, Me. Filed Oct. 6, 1924. Serial No. 741,890. 4 Claims. (Cl. 139—161.)



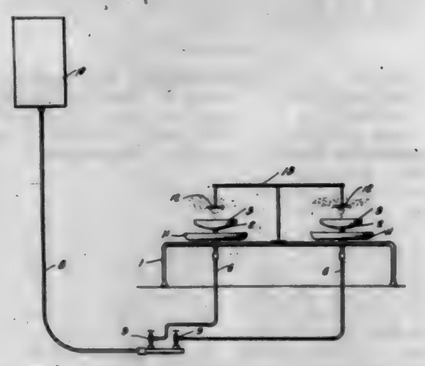
1. In a loom check mounting, a bracket having a vertical front web formed to seat against an end of the loom lay and having a spaced pair of right-angular feet at the ends of its lower side to engage the bottom side of said lay, fastening screws extending through the web and into the lay, and a central boss integral with the web and having a threaded bolt-receiving opening therein, said boss being formed to be received in an opening provided therefore in said lay.

1,536,746. DEVICE FOR MAKING WATER. CHARLES W. ARMBRUST, Albany, N. Y., assignor to Charles H. Jockmus, doing business under the name of Ansonia Manufacturing Company, Ansonia, Conn. Filed Mar 25, 1918. Serial No. 224,697. 2 Claims. (Cl. 257—1.)



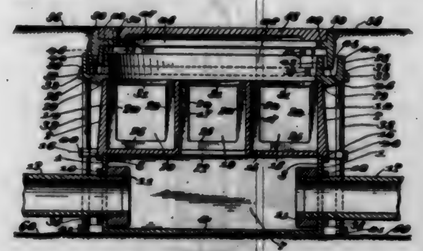
1. The combination with a container of a vessel located therein to form a space therebetween to accommodate a cooling medium therein, a vent for said vessel and a supply tube to said vessel, and a mouth piece for said supply tube, and means for securing said container to the head of a person or animal.

1,536,747. OIL BURNER. AARON ARROWSMITH, Sisseton, S. Dak. Filed Nov. 22, 1923. Serial No. 676,342. 2 Claims. (Cl. 158—66.)



1. A burner device of the class described having a support, fuel supply pipes rising above said support, burners to which said pipes lead having casing attached to the pipes, valves within the casings subject to the pressure of the fuel when seated directly on the upper ends of the pipes, stems on said valves depending into the pipes, the upper walls of the casings serving to prevent displacement of the valves, a substantially T-shaped bracket rising from the support, spreaders carried by said bracket and arranged substantially centrally with respect to and over the burners, and starter pans of greater area than the burners secured on the pipes intermediate the supporting plate and burners.

1,536,748. ELECTRICAL WIRING SYSTEM. EDWARD E. ASHLEY, Jr., Noroton, Conn., assignor to Walker Brothers, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 686,141. 28 Claims. (Cl. 247—3.)



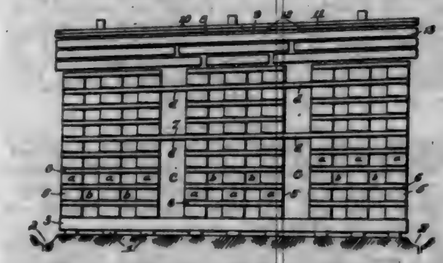
1. An electrical wiring system comprising a network of main and branch circuit conduits disposed in a wall, boxes in said wall at which the main and branch circuit conduits meet, each of said boxes having passages disposed in different planes, said main and branch circuit conduits communicating with said passages in different planes, and means for effecting within the box communication between passages in different planes therein.

1,536,749. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Original application filed Dec. 3, 1919, Serial No. 342,196. Divided and this application filed June 6, 1923. Serial No. 643,628. 24 Claims. (Cl. 173—318.)



1. In combination, a dielectric member having a metallised roughened surface, and means for connecting said surface with a coacting member.

1,536,750. METHOD FOR PILING LUMBER FOR DRYING PURPOSES. CLARENCE D. BALDWIN, Nashua, Iowa. Filed Dec. 3, 1923. Serial No. 678,867. 1 Claim. (Cl. 34—24.)



A method of seasoning lumber consisting in supporting a pile mounted on a foundation, disposing lumber layers, spacing the lumber of the layers to insure circulation of air, staggeredly disposing cleats spacedly to further insure the circulation of air, spacing one pile of lumber from an adjacent pile, also insuring a circulation of air, binding the several piles together, and then roofing the several piles, thereby additionally connecting the piles.

1,536,751. VEHICLE TOW BAR. THOMAS BARNES, Ogden, Utah. Filed May 22, 1923. Serial No. 640,675. 1 Claim. (Cl. 280—33.14.)



A tow bar comprising hollow sections arranged to telescope one within the other, the inner section being provided at its end with an annular flange having a bevelled face, and the outer section provided at its end with an internally located flange having a bevelled face, the bevelled faces of the flanges adapted to engage each other when the sections are extended with relation to each other, a sleeve located within and disposed transversely of the inner section, the inner section being provided with openings which register with the ends of the sleeve, a coiled spring housed within the sleeve, and pins loosely mounted in the openings and having heads which bear against the ends of the spring, the parts being so arranged that the pins are disposed transversely across the edge of the outer section when the sections are extended with relation to each other and the ends of the pins bear against the inner surface of the outer section when the sections are moved one within the other whereby the pins serve to hold the tow bar in a collapsed condition.

1,536,752. ROPE CUTTER. FRANKLIN E. BEATTY, Philadelphia, Pa. Filed May 8, 1924. Serial No. 711,762. 3 Claims. (Cl. 30—14.)

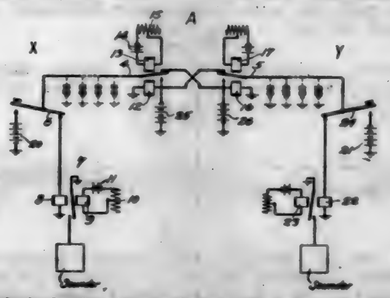


1. In a rope cutter, an elongated, curved upper bar, an elastic band having its ends detachably connected to the ends of said bar, a cutting blade positioned upon the top of said bar and extended throughout the major portion of its extent, a guard to receive the pointed end of said blade and an upper guard for the upper edge of said blade and having its terminal above the exposed edge of said blade deflected away therefrom.

1,536,753. TELEGRAPH SYSTEM. JOHN HUMB BELL, South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1922. Serial No. 553,720. 2 Claims. (Cl. 178—2.)

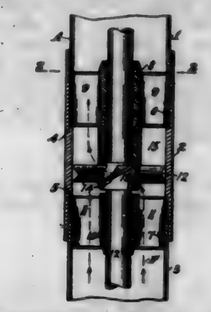
1. A telegraph system provided for open circuit operation, a line conductor possessing considerable electrostatic capacity and divided into sections, repeating apparatus intermediate the line sections comprising polarized relays, current sources of opposite polarity connected to the respective line sections by said relay, transmitting and receiving mechanisms associated with the terminal of each line section, means associated with said

receiving mechanism for controlling its operation, and circuit connections effective following the impression of an impulse on a line, section and the operation of



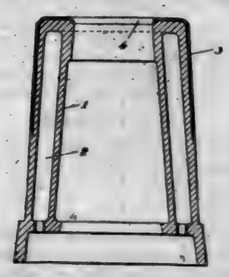
a polarised relay for rendering said means effective to prevent the receiving mechanism from giving a false indication.

1,536,754. AXIAL-FLOW PUMP. HARRY F. BENSON, Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Feb. 10, 1921. Serial No. 443,830. 9 Claims. (Cl. 103—90.)



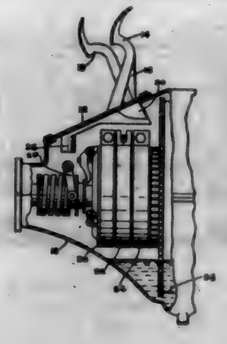
1. In a fluid pump, a casing, an axial flow impeller therein, and conversion vanes in the casing and having their entrance positioned at the point where the streams leaving the impeller initiate movement in only an axial direction, whereby a conversion chamber is provided between the impeller and said vanes.

1,536,755. TUYÈRE FOR BLAST PIPES FOR HIGH AND OTHER METALLURGICAL FURNACES. THEODOR BERG, Werdohl, Germany. Filed Apr. 9, 1924. Serial No. 705,396. 1 Claim. (Cl. 266—1.)



A water cooled tuyère for blast pipes for high and other metallurgical furnaces formed of aluminium or aluminium alloy and having a protecting cover of copper covering the nose of the tuyère up to the outlet opening for the blast air.

1,536,756. ATTACHMENT FOR MOTOR-VEHICLE TRANSMISSIONS. CARL G. G. BERGSTROM, St. Paul, Minn. Filed Aug. 24, 1923. Serial No. 659,043. 2 Claims. (Cl. 184—11.)



1. An attachment for motor vehicle transmissions comprising a dished member for catching oil thrown off from the fly wheel, said member having an inclined floor portion, a filter at the lower end of said inclined portion located above the clutch fork, the upper portion of the floor of said member having an opening positioned above the bands of the transmission, and means for preventing particles of grit from passing to said opening.

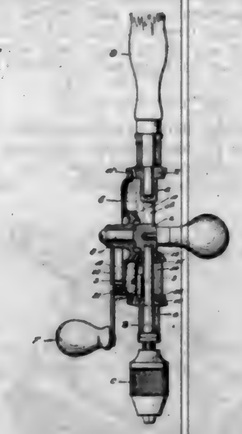
1,536,757. ADDING ACCUMULATOR. FREDERICK W. BERNAU, Newark, N. J., assignor to Ellis Adding-Typewriter Company, Newark, N. J., a Corporation of New Jersey. Filed Oct. 24, 1921. Serial No. 510,029. 4 Claims. (Cl. 235—137.)

1. In an adding accumulator, the combination with a movable actuator, of an accumulator wheel normally disengaged from the actuator and adapted for engagement therewith, and "carrying" mechanism for said accumulator wheel comprising a movably mounted detent adapted to engage the accumulator wheel when said wheel is free of its actuator and to become disengaged from the accumulator wheel when the latter is engaged by its actuator, and a shifting member having an operative connection to the detent, adapting said member to positively move the detent in one direction to effect "carrying" in the accumulator wheel and to positively move it in the opposite direction to restore said detent to normal position and to retain it in that position.

1,536,758. HAND DRILL OR THE LIKE. CHRISTIAN BODMER, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed Sept. 13, 1923. Serial No. 662,443. 4 Claims. (Cl. 145—66.)

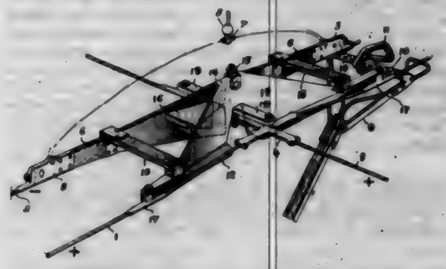
2. In a hand drill a frame, a spindle journaled therein, and a speed changing device comprising a driving gear with two gear-sets, one within the other, a pair of pinions loose on said spindle and meshing with the respective gear-sets, a collar positioned between said pinions and permanently secured to said spindle, a pin slidably

mounted in said collar and adapted to positively engage one of said pinions, and a second pin independent of the first one slidably mounted in said collar and adapted to



engage the other of said pinions, said pins being independently operable and arranged so that either, neither, or both, may be engaged with the respective pinions, said pins having means for removing the same.

1,536,759. OVERHEAD-TROLLEY SYSTEM. GEORGE W. BOWER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 18, 1923. Serial No. 639,064. 16 Claims. (Cl. 191—36.)

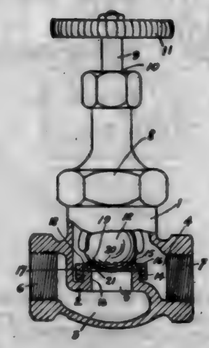


1. The combination with a two wire trolley system, of a guard supported by the wires and insulated from the negative wire or wires and extending below the wires leaving the free passage for the trolley wheels but adapted to force the trolley head, of the two wire system, down from the wires and carry it across switches, crossing, or a desired area to prevent engagement with the wires or switches or short circuiting the curent between the wires.

1,536,760. VALVE. THOMAS BOWLES, North Vancouver, British Columbia, Canada. Filed Feb. 4, 1925. Serial No. 6,794. 4 Claims. (Cl. 251—167.)

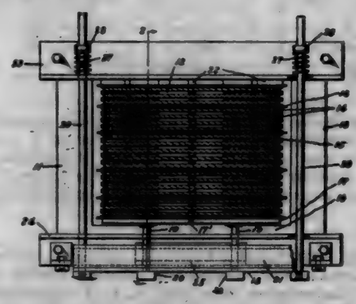
1. The combination with a valve chest having an apertured partition dividing the valve chamber into communicating inlet and outlet chambers, of an upstanding ring integral with the said partition concentric with the partition aperture and free from contact with the surrounding chest body, a valve seat ring seated on the upper end of said upstanding ring, and means for detachably uniting the valve seat ring to the upstanding one.

4. The combination with a valve chest having an apertured partition dividing the valve chamber into communicating inlet and outlet chambers, of an upstanding ring integral with the said partition and concentric with the aperture thereof, said ring being free from contact with the surrounding chest body and exteriorly threaded, a valve seat ring seated on the upper end of said upstanding ring having one end edge formed as a mitred valve seat and reduced exteriorly in diameter intermediate



its height to provide a flange at its opposite end the outer face of which forms a disc valve seat adapted to be substituted for the mitred one on reversing the ring, and a collar threaded on to the upstanding ring flanged inwardly at its outer end to bear respectively on the back of said flange or its outer face and detachably unite the valve seat ring to the upstanding one with either the mitred seat or the disc seat uppermost respectively.

1,536,761. STATIONARY INDUCTION APPARATUS. FREDERICK F. BRAND, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Mar. 14, 1919. Serial No. 282,568. 10 Claims. (Cl. 175—357.)

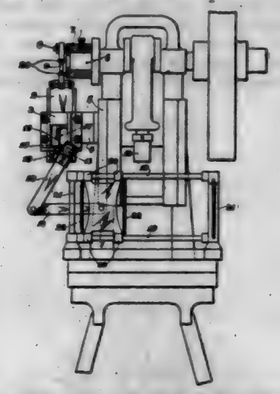


1. In an electrical apparatus, the combination with a base, of windings supported thereon, and a core structure exerting yielding pressure against said windings and movable relatively thereto in the direction of expansion of the windings during a transient, whereby said core structure may be moved by the forces of repulsion in the windings caused by a transient.

1,536,762. GUARD FOR MACHINERY. JOSEPH BROUGHTON, Birmingham, England. Filed Apr. 18, 1923. Serial No. 632,967. 2 Claims. (Cl. 74—105.)

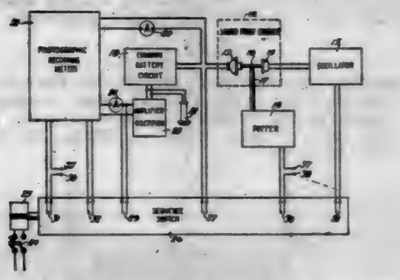
1. Means for operating guards for machinery comprising fixed guides independent of the guides for the ram of the machine, a sliding member separate from the ram of the machine and working within the said guides, said

sliding member having a cam-shaped slot, means for actuating said sliding member for the crank shaft of the machine, and a lever pivoted to a fixed member and



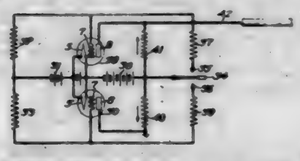
carrying a part engaging the slot in the sliding member, the said lever being connected to the guard so as to impart a reciprocating movement thereto.

1,536,763. TESTING SYSTEM. JOHN T. L. BROWN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1922. Serial No. 591,023. 9 Claims. (Cl. 179—175.)



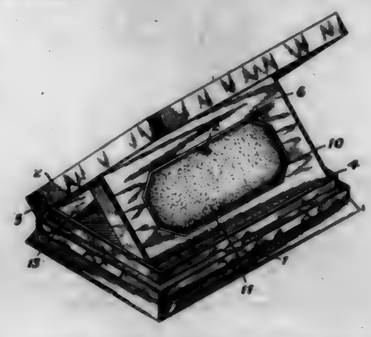
2. The method of testing a microphonic transmitter which comprises placing the transmitter in a circuit, agitating the modulating element of the transmitter for an interval, and during a succeeding interval permanently recording a function of the burning current.

1,536,764. SIGNALING SYSTEM. OLIVER E. BUCKLEY, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 27, 1919. Serial No. 347,773. 20 Claims. (Cl. 178—63.)



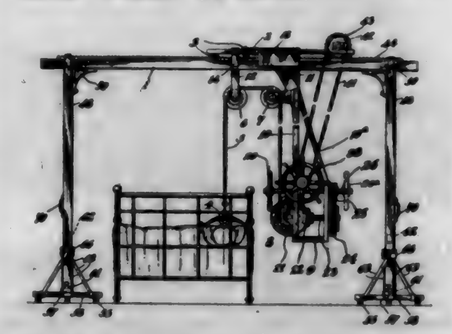
1. Terminal signaling apparatus for a cable or line for impressing upon said cable or line at any instant potential of one of at least two operating values whereby signaling impulses of either polarity and in any desired sequence may be transmitted, said apparatus comprising the combination with a local source of direct signaling potential, of high impedance space discharge means in circuit with said source, control means for said space discharge means, circuit making and breaking means in circuit with said control means for directly associating said signaling potential with said control means, and means including said circuit making and breaking means for impressing at any instant upon said control means potential of one of at least two operating values.

1,536,765. DISPLAY BOX. ADOLPH BULOVA, New York, N. Y., assignor to Bulova Watch Company, Inc., New York, N. Y., a Corporation of New York. Filed May 11, 1923. Serial No. 638,169. 1 Claim. (Cl. 211—28.)



A display box for wrist-watches comprising the combination of a tray body, a cover hinged to the back of the body adapted to stand at a desired angle to constitute an ornamental display back, a removable flat block adapted to fit frictionally in the tray body entirely filling the same and lying substantially flush with the top of the body, said block having a recess in the top thereof, a rim surrounding said recess, a central removable pad fitting frictionally in said rim to receive a wrist-watch with the band thereof passed around the block, and a hinged support on the back of the block for propping the same to stand at a desired inclination in the body when the cover is raised and independent of the position of the latter.

1,536,766. INVALID LIFTER. HERMANN H. CAMMANN, Merrick, N. Y. Filed Mar. 1, 1921. Serial No. 448,795. 9 Claims. (Cl. 212—14.)



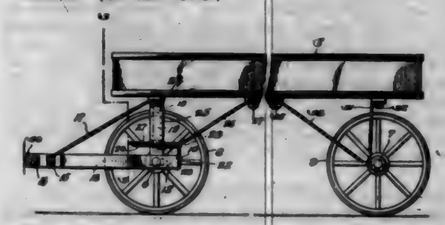
1. In an invalid lifter, the combination with a track, a carriage thereon, means on the carriage for holding the patient, and mechanism for moving the carriage along the track, of a member carried by the carriage and movable therewith for controlling the operation of said mechanism.

1,536,767. CASTELLATED NUT. GEORGE E. CASTER, Circleville, Ohio, assignor to The Eastern Engineering Corporation, Columbus, Ohio, a Corporation of Delaware. Filed Mar. 2, 1921. Serial No. 449,059. 5 Claims. (Cl. 151—5.)



1. A castellated nut having a side of its slot wall formed on the arc of a circle, the axis of which is substantially parallel to the axis of the nut.

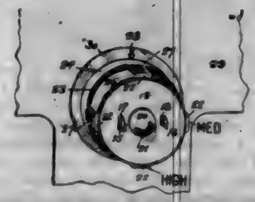
1,536,768. WAGON. HERMAN CABLER, Canastota, N. Y., assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. Filed Feb. 11, 1924. Serial No. 692,110. 6 Claims. (Cl. 280—87.5.)



1. A wagon comprising an axle, a substantially V-shaped frame member pierced by and supported upon said axle, a bearing plate secured to said frame member and having notched legs engaging said axle, a bolster connected to the wagon body and resting upon said bearing plate, a front brace extending from the wagon body to the frame member, and a second brace extending from the wagon body to a point between the bearing plate and the bolster and a king bolt connected to the wagon body and passing through the upper end of the first mentioned brace through the bolster and thence through the lower end of the second brace and through the bearing plate.

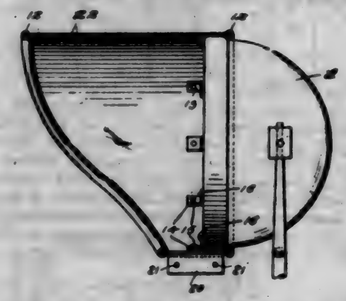
2. A wagon comprising an axle, a frame member supported by said axle, a bearing plate having notched legs and a depending flange, the notched legs engaging over the axle and the flange being secured to the frame member, a bolster secured to the wagon body and resting upon said bearing plate, and means for pivotally connecting the bearing plate to the bolster.

1,536,769. ROTARY SNAP SWITCH. HOYT CAYLOR, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 16, 1921. Serial No. 477,974. 2 Claims. (Cl. 200—167.)



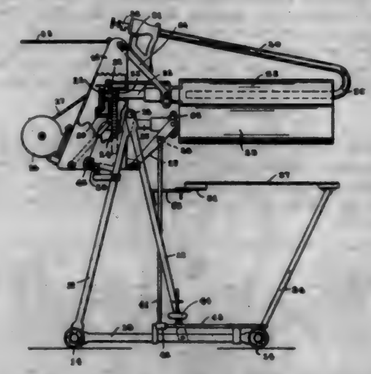
1. A rotary snap switch comprising an insulating base, a switch mechanism mounted thereon and comprising a rotary switch spindle, and a yoke with offset lug on said spindle, in combination with a switch cover pierced to receive said switch spindle and yoke lug, means for securing the cover in lug-engaging position, and means on the cover for indicating the position of the switch mechanism.

1,536,770. HEADLIGHT SHADE. GREEN Y. CHAMBLISS, El Paso, Tex., assignor of one-third to Mary L. Blevins, Anthony, N. Mex. Filed Apr. 10, 1923. Serial No. 631,159. 1 Claim. (Cl. 240—48.4.)



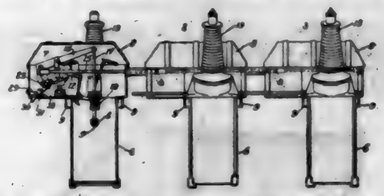
A shade for a headlight in combination with the relatively wide lens-retaining rim of the latter projecting outwardly of the margin of the headlight, the shade consisting of a substantially cylindrical metallic split body having its rear edge substantially vertical and at a right angle to its axis, plates secured to the body on opposite sides of the split, a bolt to draw said plates toward each other, said body being adapted to telescope the lens-retaining rim, lugs independent of each other in spaced relation fastened about the interior of the body and inwardly of said rear edge a distance corresponding to the width of the rim, said body at its rear edge having an inwardly extending bead, and said lugs with said bead being directly engageable with the opposite edges of the rim for the support of the shade.

1,536,771. IRONING MACHINE. FRANK D. CHAPMAN, Berlin, Wis. Filed Sept. 11, 1922. Serial No. 587,493. 3 Claims. (Cl. 68—9.)



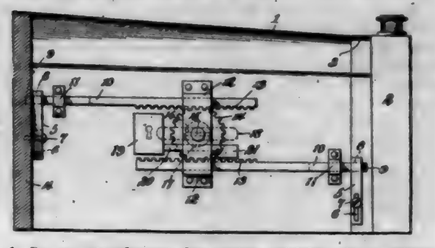
1. An ironing machine comprising a frame; a housing; a pair of pressure rolls rotatably carried by said housing; a motor also carried by said housing for rotating said rolls; means for heating said rolls; a horizontal pivotal connection between said frames and housing, said housing, together with the parts carried thereby, being movable about said pivotal connection from an operative horizontal extended position to an inoperative compact vertical position within said frame; and means engaging said frame and housing to maintain the parts in their operative positons.

1,536,772. ELECTRIC SWITCH. CHRISTEN CHRISTENSEN, Chicago, Ill., assignor to General Electric Company, a Corporation of New York. Filed Aug. 30, 1920. Serial No. 406,961. 7 Claims. (Cl. 200—153.)



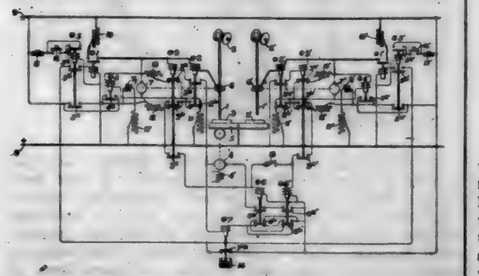
1. In an electric switch, the combination with relatively movable cooperating contacts, of a mechanism for controlling said contacts comprising an operating member, an actuating member, a connection between said members collapsible to cause said actuating member to move to circuit opening position independently of said operating member, restraining means for holding said connection rigid, and adjustable means operative to control the degree of restraint of said restraining means.

1,536,773. HOLDER AND LOCK FOR AUTO HOODS. PETER J. CIACCIO, New Orleans, La. Filed July 5, 1923. Serial No. 649,611. 3 Claims. (Cl. 70—74.)



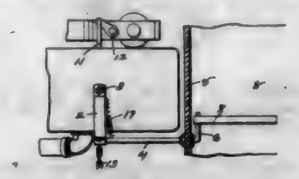
1. In an attachment for motor vehicles the combination of a hood covering, adjustable members secured to the hood at the inner and outer ends thereof, guide plates arranged adjacent the members, rack bars engaged by the members and passing through the guide plates, a toothed gear actuable on the hood and adapted to engage the rack and a block so constructed and arranged that movement of the gear in one direction will force the block between the teeth of the rack and the gear.

1,536,774. AUTOMATIC ARC WELDING. WILLIAM B. CLARKSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 21, 1924. Serial No. 727,146. 9 Claims. (Cl. 219—8.)



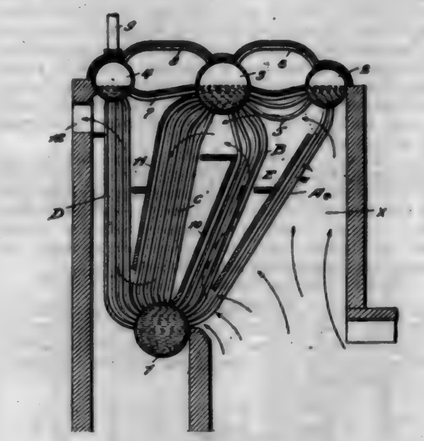
1. An arc welding apparatus of the type wherein there are a plurality of arcs and electrode feeding mechanism for maintaining each arc and wherein a single travel mechanism is provided for producing relative motion between said arcs and the work to be welded, characterized by the fact that means responsive to the condition of each arc is provided for controlling the operation of said travel mechanism arranged to cause operation of the travel mechanism during such time only as all of said arcs are in operation.

1,536,775. EVEN-FEED ACCELERATOR. ELDER P. CONWELL, Allerton, Iowa. Filed July 23, 1924. Serial No. 727,739. 2 Claims. (Cl. 74—39.)



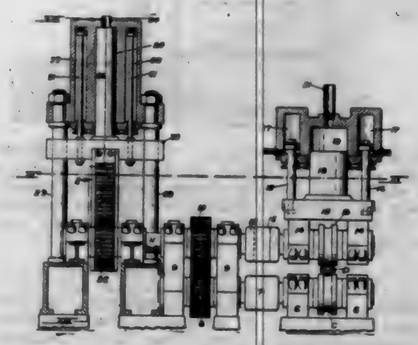
1. An accelerator comprising a bracket member having angularly disposed end portions and provided with an arched intermediate portion, a shaft journalled in the bracket member and having an angularly disposed arm, a foot piece hinge jointed upon the arm, a second arm mounted upon the shaft, a spring connecting the second mentioned arm with the arched portion of the bracket, the last mentioned arm having an angularly disposed extremity, adapted to be pivotally connected with the pull rod of the butterfly valve controlling mechanism of the automobile machine.

1,536,776. WATER-TUBE BOILER. ALFRED COTTON, deceased, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 12, 1920. Serial No. 373,249. 6 Claims. (Cl. 122—302.)



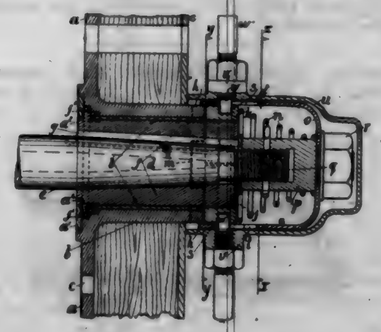
1. A water tube boiler, comprising at least two elevated transverse steam-and-water drums, a transverse mud drum, a radiant heat first bank of upflow tubes leading from the mud drum to the front steam-and-water drum, a convected heat second bank of upflow tubes leading from the mud drum to the second steam-and-water drum, water circulators connecting said elevated steam-and-water drums together, downcomer tubes leading from the second steam-and-water drum to the mud drum, and means for preventing the long flame gases from the front of the fire from coming in contact with the tubes of said convected heat bank before said gases have traveled upwardly through most of the combustion chamber and for causing the short flame gases from the bank of the fire to escape from the lower end of said combustion chamber and come in contact with some of the tubes of the boiler.

1,536,777. APPARATUS FOR MANUFACTURE OF AXLES. CHARLES R. DAY, Edgeworth, Pa. Original application filed July 7, 1921, Serial No. 482,056. Divided and this application filed July 18, 1923. Serial No. 652,303. 7 Claims. (Cl. 80—25.)



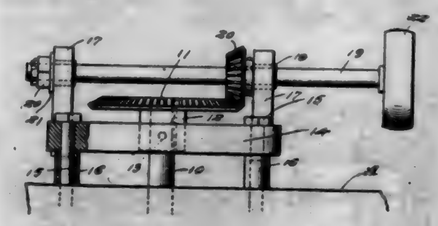
1. Apparatus for forming axles or the like from a hot blank comprising an upper and a lower roll having coacting eccentric and concentric faces, means for advancing and withdrawing the upper roll towards and from the lower, a drive shaft for the lower roll, a drive shaft for the upper roll geared therewith, relatively slidable coupling members between the upper roll and its drive shaft providing for raising and lowering of the upper roll when said coupling members are in vertical register, and alternately operable driving mechanism geared with one of said shafts for rotating it in opposite directions.

1,536,778. MEANS FOR MOUNTING VEHICLE WHEELS. BERTRAM METCALF DENHAM, Leeds, England. Filed Feb. 14, 1924. Serial No. 692,851. 1 Claim. (Cl. 192—67.)



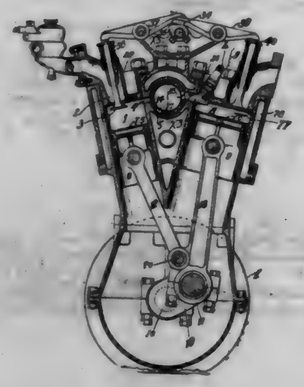
The combination with a vehicle wheel, a hub thereof provided with clutch teeth and an axle therefor with a tapered end, a sleeve fixed to said tapered end and rotatably carrying said wheel hub, and a collar slidably mounted on said sleeve and provided with clutch teeth for engaging the clutch teeth on said wheel hub of means for effecting the engagement and disengagement of said clutch elements comprising an inner cap screwed upon the end of said axle and provided with slots, a spring within said cap bearing against said slidable collar and an outer cap enclosing said inner cap and carrying pins for operating said clutch elements, said pins operatively engaging with said collar and passing to the exterior through the slots in said inner cap.

1,536,779. MOTOR-CONTROL MECHANISM. RILEY M. DODD and JOSEPH A. MCVAY, Torrance, Calif. Filed May 8, 1924. Serial No. 711,858. 1 Claim. (Cl. 74—7.)



A motor control mechanism, in combination with a motor having a controlling shaft extending therefrom, a bed plate having an opening accommodating said shaft, a master gear wheel having a hub telescoped onto said shaft and journaled in said bed plate, bolts securing said bed plate to the motor, spacing sleeves surrounding said bolts intermediate the motor and the bed plate, bearings integral with said bed plate, a manually operable controlling shaft journaled in said bearings, a gear wheel carried by said controlling shaft in mesh with said master gear wheel, and a hand operable element for said controlling shaft.

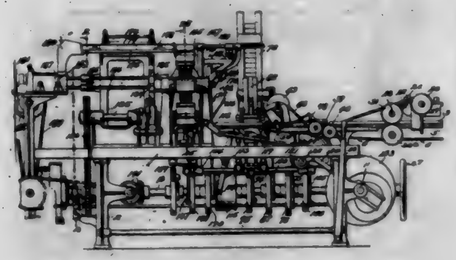
1,536,780. AUTOMOTIVE ENGINE ART. ORVILLE HIRAM ENSIGN, Pasadena, Calif. Filed Aug. 24, 1920. Serial No. 405,720. 23 Claims. (Cl. 123—72.)



4. A two-stroke internal combustion engine comprising a compressor cylinder, and a power cylinder, the piston clearance of which is outside of said cylinders; an oscillating chamber constituting such clearance and provided

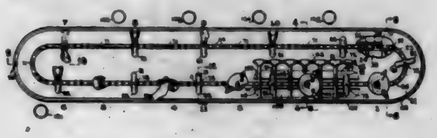
only with lateral ports adapted to alternately open separately to the cylinders at the heads thereof; a crank shaft, a crank on said crank shaft, pistons operating in said cylinders through a common crank pin; means operable through said crank shaft to cause the clearance chamber to close to the compressor cylinder and open to the power cylinder when the clearance of each cylinder is at a minimum and vice versa at the return stroke of the pistons; and ignition means operable at the head stroke of the power piston to ignite a charge in the clearance when said clearance is open to said power piston.

1,536,781. LABELING MACHINE. LOUIS FISCHER, Philadelphia, Pa., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C., a Corporation of West Virginia. Filed June 3, 1920. Serial No. 386,299. 34 Claims. (Cl. 93—2.)



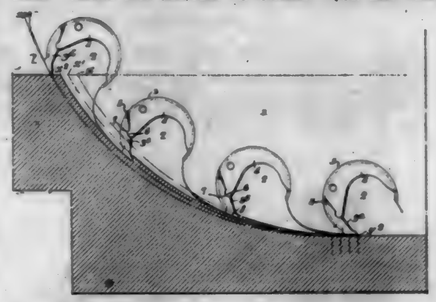
1. In a machine for labeling packages, the combination of means for feeding a label to a predetermined position, means for feeding a package to a label occupying said position, means for gripping the label and package and displacing the package and the gripped portion of the label, pairs of side and end folders cooperative with the portions of the label adjacent to the sides and ends of the package to produce simultaneous folding operations on said portions of the label concurrently with said displacement of the package and label, one of said pairs of folders being withdrawable to permit movement of the package and label in a direction transverse of its movement of displacement.

1,536,782. METHOD OF TRIMMING HEADS AND APPARATUS THEREFOR. WALTER E. FOCKE, Dayton, Ohio, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 12, 1924. Serial No. 725,615. 16 Claims. (Cl. 17—1.)



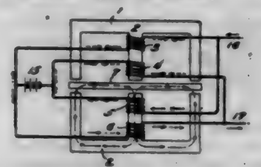
1. The method of trimming meat from heads which consists in causing movement of the head, while the head is held from its inside, past trimming stations at which various meat trimming operations are performed and having the holding means for the head so mounted as to permit rotation and tilting of the head.

1,536,783. ICE SAW. SAMUEL T. FREAS, Trenton, N. J., and WILLIAM E. TRETCH, Philadelphia, Pa., assignors to Henry Disston & Sons, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 25, 1922. Serial No. 546,725. 2 Claims. (Cl. 262—20.)



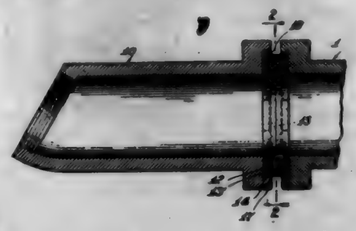
1. A circular ice cutting saw of the self-feeding type having a series of teeth at its periphery, the edge of the saw back of the point of each tooth being convexly curved and conforming approximately to the curvature of the initial part of the kerf cut by the said tooth when the saw is fed at a predetermined rate.

1,536,784. ELECTROMAGNETIC DEVICE. JACOB R. FRY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 24, 1921. Serial No. 455,084. 7 Claims. (Cl. 175—335.)



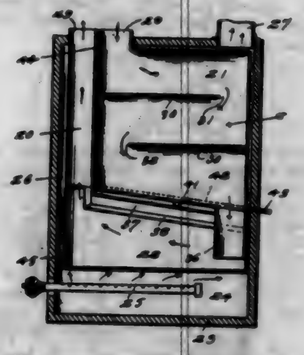
5. A relay comprising two yokes having their poles facing each other, an armature positioned between said poles, windings for each of said yokes, a pair of terminals for the windings connected to a direct current source, and a second pair of terminals for said windings connected to an alternating current source, said windings being so related to said terminals that both direct and alternating current flow through both windings, said terminals connected to the direct current source being conjugate to the terminals connected to the alternating current source.

1,536,785. COUPLER. EGBERT H. GOLD, Chicago, Ill. Filed Nov. 9, 1921. Serial No. 513,927. 5 Claims. (Cl. 285—69.)



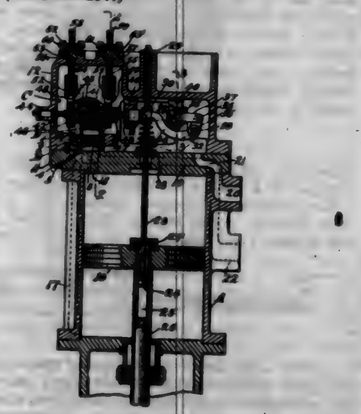
1. In combination, a coupler having a port extending therethrough, and an annular gasket of non-resilient material adapted to be inserted in said port and to be expanded circumferentially when the coupler is put into service; the coupler face being provided with a recessed gasket seat formed with an edge which penetrates the gasket when the latter is expanded, as set forth.

1,536,786. FLUID HEATER. LOUIS L. GOBE, San Jose, Calif. Filed Mar. 11, 1921. Serial No. 451,470. 10 Claims. (Cl. 126—116.)



1. A heating apparatus having a housing, a casing within said housing, said casing including a downleg forming an inlet passage and an upleg forming an outlet passage for the fluid to be heated, said passages being in communication at their lower ends, a source of heat associated with the housing from which the heat passes upwardly from beneath the casing and along the sides thereof, said housing having an outlet at the upper part thereof.

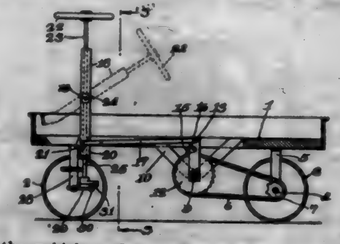
1,536,787. ENGINE VALVE. JOHN F. GRACE, Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed July 14, 1921. Serial No. 484,565. 25 Claims. (Cl. 121—157.)



1. In combination a valve chest enclosing a slide valve, a valve actuator, a bell crank lever having arms of unequal length and the long arm thereof connected to the valve actuator, and a lost motion connection between the short arm and the slide valve.

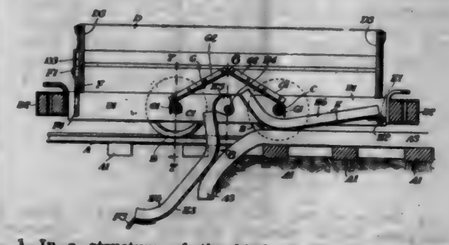
1,536,788. MANUALLY-PROPELLED VEHICLE. THOMAS GRADY, Chicago, Ill. Filed July 5, 1924. Serial No. 724,270. 9 Claims. (Cl. 208—36.)

1. In a manually propelled vehicle, in combination therewith, a manually operated combined propelling and steering apparatus operative by forward and backward rocking motion thereof about a transverse axis through driving means disposed below said axis to



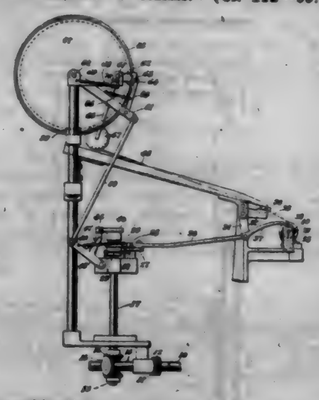
propel the vehicle and operative at the same time and while rocking back and forth to steer the vehicle to the right or the left.

1,536,789. RAILWAY. CHARLES A. GRIFFITH, Knoxville, Tenn. Filed Mar. 17, 1923. Serial No. 625,788. 9 Claims. (Cl. 214—63.)



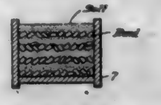
1. In a structure of the kind described, the combination of a car body, two axles carrying said body, wheels carrying said axles, a hinge rod between and parallel to said axles, a bottom door hinged by one edge to said rod and extending thence rearward under the rear axle, and latch mechanism adapted to operate to secure and support the opposite edge of said door when the latter is forced upward into the closed position, substantially as described.

1,536,790. BEAD-SEWING MACHINE. JOSEPH A. GROSSELI, New York, N. Y. Filed Jan. 12, 1924. Serial No. 685,772. 7 Claims. (Cl. 112—99.)



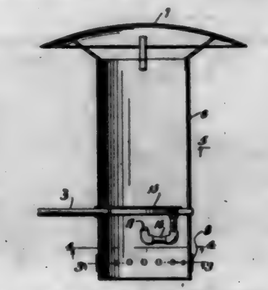
1. The combination, in a bead sewing machine, embodying mechanism for forming stitches employing a bead thread carrying loosely strung beads, of a primary bead thread supply reel, means, other than the thread, for positively driving the reel, and automatic means for governing the operative action of the driving means.

1,536,791. FOOD PRODUCT. ROAS B. HALEY and EDGAR G. ZINN, Los Angeles, Calif.; said Haley assignor to said Zinn. Filed Jan. 2, 1924. Serial No. 683,868. 7 Claims. (Cl. 99—11.)



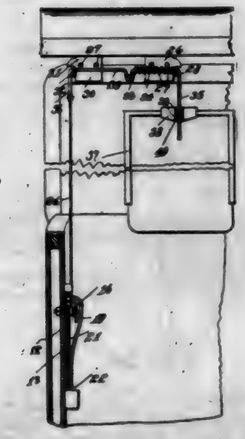
1. The process of treating melon rind which consists in extracting the natural juices from the cells by osmose, and introducing syrup into said cells.

1,536,792. BURNER FOR ORCHARD HEATERS OR THE LIKE. ARTHUR C. HOWARD, GLENN E. BRITTAN, and JOHN A. COOK, Pharr, Tex. Filed June 4, 1923. Serial No. 643,298. 1 Claim. (Cl. 158—68.)



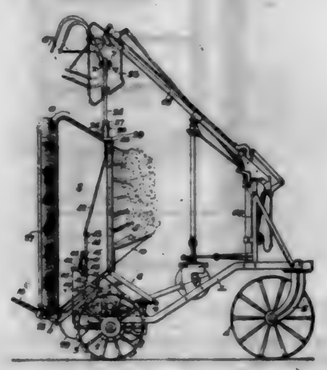
A device of the class described having a drum, a one-piece hollow member affording a flat cylindrical chamber located in the drum and operating as a spreader and as a generator, a portion integral with and extending from said member and connecting said member to the drum, a fuel supply pipe in communication with the hollow of said member and connected to said member and also connecting said member to said drum, and a burner pipe depending from the bottom of the cylindrical chamber said member having its outlet below the member.

1,536,793. GLARESHIELD FOR AUTOMOBILES. RALPH L. INGEBRIOTSEN, Aberdeen, Wash. Filed Apr. 3, 1924. Serial No. 703,950. 3 Claims. (Cl. 296—97.)



2. An operating means for a glare shield comprising a casing, an arm pivotally mounted at one end in the casing and having its other end operatively connected with a glare shield, a depending link connected with the arm adjacent the pivot thereof, and a bowed flexible spring element secured at one end to the casing above the arm and having its other end secured to the lower end of the said link, and adapted to be flexed to move the link and rock said arm.

1,536,794. GRAIN SHOCKER. GEORGE INNES, Davenport, Iowa. Filed Nov. 17, 1922. Serial No. 601,550. 8 Claims. (Cl. 56—418.)



1. The combination in a machine for shocking grain of a basket, having a rectangular frusto-pyramidal form and including a core of a substantially triangular pyramidal form, whose base lies in a plane coincident with that of the base of the basket frustrum, said basket being mounted in such manner on the frame of the machine that its base extends in a vertical plane therefrom; means for placing individual pairs of bundles in the basket, one bundle of each pair at each side of the core simultaneously; a gate mounted at the uppermost end of the basket designed to close, at an angle coincident therewith, the normally open end of said basket; means for closing the gate after a predetermined number of bundles have been placed within the basket; and means for positively locking the gate against displacement prior to the movement of the basket to discharge its load.

1,536,795. DRAFT DEVICE FOR MINING MACHINES. CHARLES E. DAVIS, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 6, 1920. Serial No. 379,237. 5 Claims. (Cl. 262—30.)



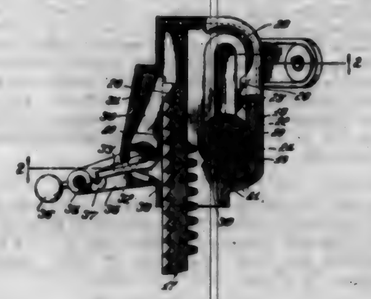
1. The combination of a mining machine having an elongated frame movable bodily along the ground and provided with suitable cutting mechanism extending longitudinally from one end thereof, a flexible draft means adapted to be anchored at a distance from the machine and having normal connection with said machine at a predetermined vertical position adjacent one end of said frame, a guide on said machine having detachable engagement with said draft means intermediate the machine and draft anchor to deflect said draft means vertically from its normal point of connection with said machine, and other draft means connected adjacent the opposite end of said frame and adapted to extend and be anchored in the opposite direction from said first named draft means.

1,536,796. SPRING STRUCTURE AND METHOD OF ASSEMBLING THE SAME. WILLIAM H. KINNEY, Chicago, Ill., assignor to Kinney-Rome Company, Chicago, Ill., a Corporation. Filed Sept. 2, 1919. Serial No. 321,169. 9 Claims. (Cl. 5—269.)



1. In a spring structure the combination of upholstering springs, spiral spacing springs extending between the upholstering springs, and connectors adapted to be inserted through the open end and into the body of the spacing spring, each of said connectors comprising a member looped around a portion of the upholstering spring and having a pair of spaced arms, both bent in the same direction in the plane of the loop and inserted into the end of the spacing spring, the bend in one of the arms forming a hook for engaging between two consecutive coils of the spacing spring.

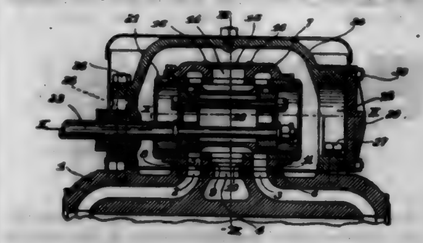
1,536,797. BRAKE-OPERATING MECHANISM. AUGUSTUS F. KLASING, Chicago, Ill., assignor to The Klasing Car Brake Company, a Corporation of Colorado. Filed Feb. 1, 1922. Serial No. 533,269. 14 Claims. (Cl. 74—119.)



1. In combination with the brakes of a railway car, mechanism for manipulating said brakes comprising a rack, and a mutilated pinion normally out of engagement with the rack but mounted to engage and move the rack when oscillated in one direction, the first tooth of the pinion to engage the rack during its working stroke being shortened so that it will just clear the first rack tooth that would otherwise be engaged but will engage the next succeeding tooth at a favorable working angle, and will remain in operative engagement therewith until after the next pair of engaging teeth are in working engagement at substantially the first engaging position of the first two teeth.

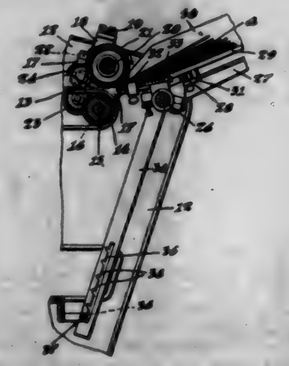
1,536,798. VALVE-CHEST CONSTRUCTION FOR STEAM ENGINES. WILLIAM J. KNOX, Dubois, Pa. Filed Feb. 9, 1924. Serial No. 691,575. 6 Claims. (Cl. 121—193.)

1. The combination with a cast cylinder of metal not readily subject to a welding operation and having ports through one side, of a seat, comprising a sheet of weldable material secured to the cylinder by screw means and surrounding the ports, a valve casing mounted on such seat and welded thereto along its periphery and



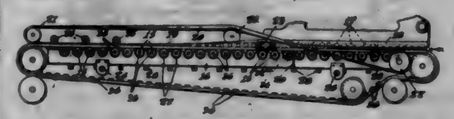
also interiorly along lines lying between the ports, a piston valve mounted in the casing, and a steam chest surrounding the valve casing secured to the cylinder.

1,536,799. COMBINATION FEEDER FOR BLANKS. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed July 27, 1923. Serial No. 654,185. 9 Claims. (Cl. 271—36.)



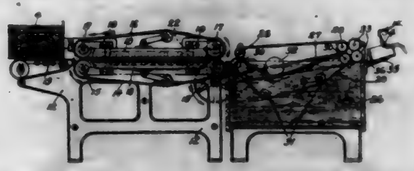
1. A mechanism of the character described having a rotary sheet feeder, means for shifting said feeder to position to act on the top or bottom sheet of a pile, means whereby said feeder may be driven in one direction or the other, and means for supporting sheets to be acted upon by the feeder to act on the top or bottom sheet of a pile.

1,536,800. BLANK-CARRYING MECHANISM FOR PAPER-BOX-FOLDING MACHINES. LEON E. LA BOMBARD and MELVIN H. SIDEBOTHAM, Chelsea, Mass., assignors to Specialty Automatic Machine Company, Chelsea, Mass., a Corporation of Massachusetts. Filed Jan. 18, 1924. Serial No. 687,010. 21 Claims. (Cl. 93—49.)



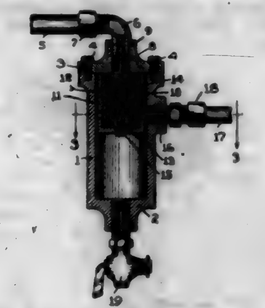
1. A machine for folding blanks having a yieldingly-supported lower carrier belt, unyielding means in position above and coacting with said belt to effect travel of the blanks, and folding instrumentalities for acting on the blanks while travelling.

1,536,801. METHOD AND APPARATUS FOR PREPARING COATED BLANKS FOR CONVERSION INTO BOXES. HAROLD S. LABOMBARDE, Nashua, N. H. Filed Aug. 29, 1924. Serial No. 734,870. 10 Claims. (Cl. 93—36.)



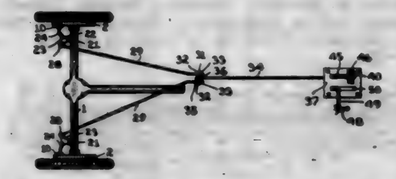
1. The method of preparing paper blanks for conversion into moisture-proof boxes, consisting in first waxing the blanks, then subjecting those portions of the blanks which are to receive glue to the action of heat, and then chilling the blanks before the heat can affect the opposite surfaces of said portions.

1,536,802. GASOLINE STRAINER. FLORINA LADEBAUCHE, Woonsocket, R. I. Filed Mar. 6, 1924. Serial No. 697,283. 2 Claims. (Cl. 210—165.)



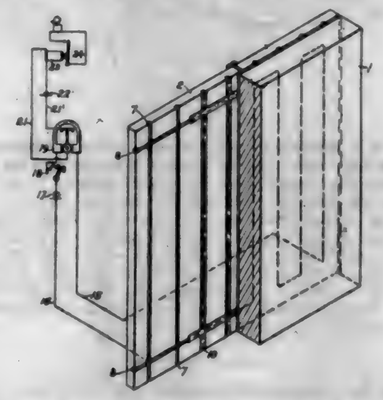
1. A gasoline strainer comprising a casing provided with an inlet at one end and an outlet at right angles to the inlet, a strainer proper in the casing above the bottom thereof between the inlet and the outlet, means at the bottom for drawing off any water, sediment or the like from below the strainer proper, said strainer comprising a perforated basket, a wire fabric strainer in the basket, and a perforated tube connected to the inlet and, in turn, fastened to the bottom of the basket to hold the basket and the wire fabric strainer in position to strain the gasoline before it passes out through the outlet.

1,536,803. SAFETY WHEEL LOCK FOR MOTOR-DRIVEN VEHICLES. CHARLES LEWIS LEHMAN and HENRY CONRAD VAKINER, Edmonton, Canada. Filed Feb. 12, 1924. Serial No. 692,324. 2 Claims. (Cl. 188—30.)



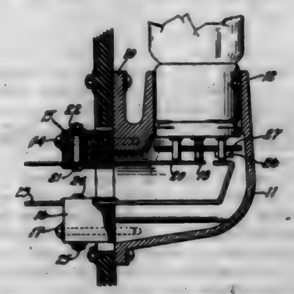
2. In a safety lock for motor-driven vehicles, the combination with a brake drum and axle housing flange, of a co-operating ratchet ring and spring actuated bolt carried respectively by the drum and flange, a foot-actuated lever operatively connected with the bolt, a lock for said lever to retain it in position to dispose the bolt in operative relation with the ratchet ring, and a transmission lever-carried element disposed to release the lock upon movement of said transmission lever into reverse position.

1,536,804. BURGLARY-PROTECTION MEANS. FRANK C. MASON, Los Angeles, Calif. Filed Feb. 9, 1920. Serial No. 357,124. 3 Claims. (Cl. 177—314.)



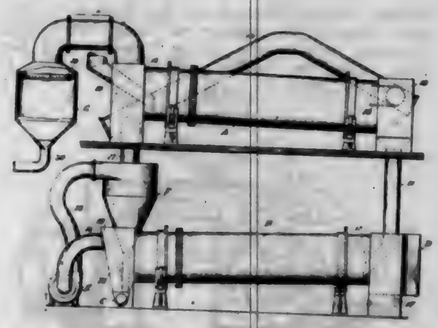
1. In an electrical protective system a wall consisting of a series of similar sections, each section comprising an insulating plate provided with a protective conductor contained therein, and each section having a metallic sheathing secured to and extending over a face thereof, means for rigidly securing said sections together and supporting the same to form a wall structure, means for connecting said protective conductors of successive sections in series relation, means for electrically connecting the metallic sheathing of the several sections and electrical alarm circuit means having closed circuit connections including said protective conductor and open circuit connections including said protective conductor on one side of the circuit and said metallic sheathing on the other side of the circuit.

1,536,805. VACUUM-TUBE SOCKET. LAWRENCE E. MELHUISH, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,266. 8 Claims. (Cl. 173—328.)



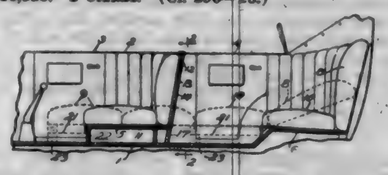
1. In combination, a base plate having an aperture, an elbow extending from said plate and terminating in a shell, a plurality of contact members attached to the rear wall of said base plate, an additional contact member attached to said rear wall and isolated from the other contact members, each of said contact members projecting into said elbow portion, said isolated contact member lying in a plane other than said first contact members and being relatively widely separated therefrom.

1,536,806. METHOD OF AND APPARATUS FOR DRYING MATERIALS. JOSEPH J. MERRILL, Chicago, Ill., assignor, by mesne assignments, to International Patents Development Company, a Corporation of Delaware. Filed Apr. 18, 1924. Serial No. 707,397. 19 Claims. (Cl. 34—6.)



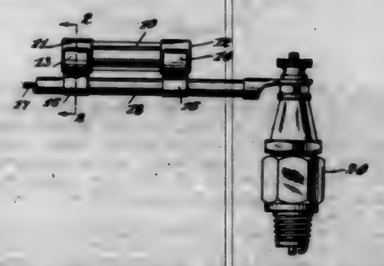
1. In drying apparatus, the combination of two driers, means for causing the material to pass through said driers in succession, means for causing the heated air to pass initially through the second of said driers and then through the first drier, and a cyclone dust collector through which the air passes from the second drier to the first drier.

1,536,807. CONVERTIBLE AUTO BODY. LLOYD G. MEUSER, Chicago, Ill. Filed Feb. 1, 1923. Serial No. 616,328. 2 Claims. (Cl. 296—28.)



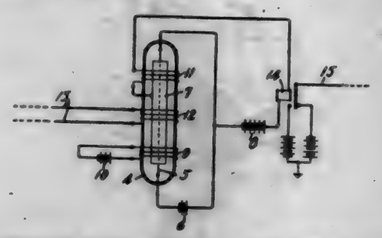
1. In an automobile body, a front seat back comprising an arch-shaped upper portion built into the body to form a permanent tie and brace and extending at its ends from the seat to the top of the body, and a removable panel fitted below said arch and extending between the same and the front seat frame.

1,536,808. SPARK-PLUG TESTER. MORTIMER NORDEN, New York, N. Y. Filed Feb. 14, 1924. Serial No. 692,679. 2 Claims. (Cl. 175—183.)



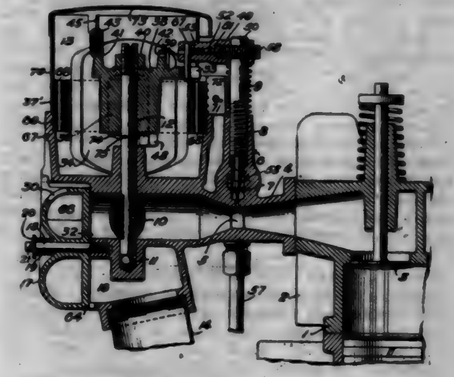
2. A device of the character described, comprising a transparent casing, metallic caps closing the ends thereof, metallic sockets into which said caps are inserted, resilient clips secured to said sockets, and pointed pins secured to said clips for making contact with electric conductors.

1,536,809. SIGNALING SYSTEM. LOUIS M. POTTS, Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,619. 5 Claims. (Cl. 178—70.)



1. In combination, an elongated glass vessel, a cathode and an anode contained in said vessel, an output circuit, a magnetic coil associated with said electrodes for controlling the flow of current between said electrodes, a second magnetic coil for generating a magnetic field for controlling the effectiveness of the field produced by said other magnetic coil, and means operatively associated with said electrodes and said coils for maintaining said output circuit in one of the conditions following the energization of said first magnetic coil, depending on the character of such energization.

1,536,810. PRIMER AND CHOKE. CHARLES E. REDDIG, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1921. Serial No. 508,771. 5 Claims. (Cl. 123—180.)

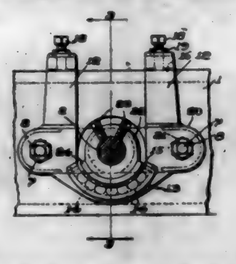


1. In combination with an internal combustion engine, a combined priming cup and choke comprising a hollow receptacle divided into two chambers, a base plate having diametrically opposite orifices therein communicating with one chamber, an intake manifold having an opening in its end adjacent said cup, a crank case, an air passage from said crank case to said priming cup having an opening in its end adjacent said cup, said cup being rotatable so that the openings therein may be placed in registration with the openings in said air passage and said manifold.

1,536,811. LAY ROCKER-SHAFT BEARING FOR LOOMS. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Jan. 16, 1924. Serial No. 686,520. 11 Claims. (Cl. 308—178.)

1. In a lay rocker-shaft bearing for looms, the combination of the side frames of the loom, each having a bearing for adjustably positioning the rocker-shaft

towards and from the front of the loom, and an independent anti-friction bearing upon each side frame for supporting the weight of said shaft, consisting of an open



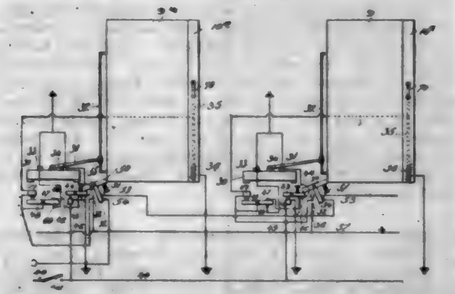
arcuate cage carrying anti-friction devices and applicable to the lay rocker-shaft while the latter and parts carried thereby are in operative position, and means for adjusting the cage to compensate for wear.

1,536,812. SEWING-MACHINE ATTACHMENT FOR HOOK AND EYE TAPE. LOUIS ROCKE, Brooklyn, N. Y. Filed July 22, 1922. Serial No. 576,664. 7 Claims. (Cl. 112—137.)



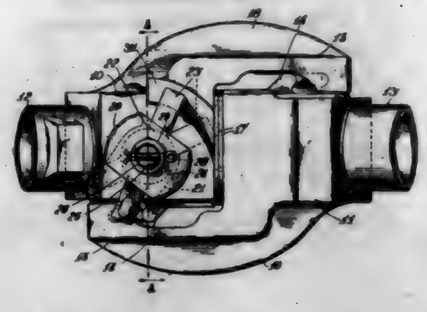
1. In a sewing machine attachment, a combined folder and binder having a folding section consisting of a piece of sheet metal having its edges bent over to form a channel for guiding a tape through the binder, the entrance end of said folding section lying in a substantially straight vertical plane and curved to allow the tape to be fed from a suitable tape supply, the inner end of said curved portion merging into a reentrant bend increasing gradually toward the delivery end of said folder section, one of said bent over edges being bevelled to form a wedge portion adapted to engage under a hook attached to said tape and cause the same to pass along the outer side of said bent over portion, and permit said hook to swing around into an inclined position as said tape is being folded.

1,536,813. UNIT DOOR-CONTROL SYSTEM. HAROLD ROWNTREE, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y., a Corporation of West Virginia. Filed June 4, 1921. Serial No. 475,140. 19 Claims. (Cl. 268—8.)



1. The combination with a door, of power means for controlling said door, means for locking said door in closed position, normally open circuits for controlling the door opening and closing movements of said power means, means carried by the door to permit the manual opening thereof when said locking means is in neutral position; and means controlled thereby for closing the door opening circuits.

1,536,814. HOSE-COUPLER LOCK. EDWARD A. RUSSELL, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,797. 12 Claims. (Cl. 285—68.)



1. A hose coupler lock for preventing disengagement of mating couplers comprising a bolt pivotally mounted on one of the coupler members in position to be moved into engagement with the other coupler member for preventing rocking of one member about a transverse axis with respect to the other member, the portion of the second coupler member with which the bolt is engaged being formed to engage the bolt with a continuously increasing pressure as the bolt is moved to locking position for preventing its displacement from locking position.

1,536,815. FINGER RING. LOUIS E. SADLER, Attleboro, Mass., assignor to The F. H. Sadler Company, Attleboro, Mass. Filed Oct. 6, 1924. Serial No. 741,851. 4 Claims. (Cl. 63—16.)



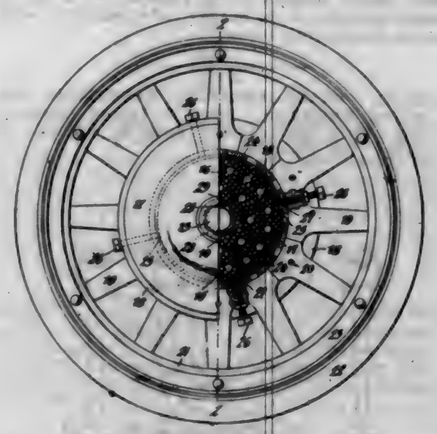
1. In a finger ring, a body composed of a finger loop having integral members at its ends arranged to abut and conjointly form a bezel, the ends of said members having apertures and clamps having prongs arranged to bridge the lines of abutment of the members and having fingers extending through the apertures and clinched to the members in engagement with the inner faces thereof.

1,536,816. ARTICLE OF MANUFACTURE. WILLIAM W. SALE, Seattle, Wash. Filed June 25, 1923. Serial No. 647,521. 1 Claim. (Cl. 46—87.)

In an article of manufacture, a favor comprising an ornamentally decorated toy balloon, a rigid tubular fitting member arranged to have the neck of the balloon passed therethrough and then turned back over the outside thereof and made fast whereby relative twisting movement of the balloon and the fitting member will close the air passageway in the neck of the balloon and a bag like paper receptacle having one end gathered around and secured to said fitting and forming a cap arranged to be worn on the head.



1,536,817. CUSHIONED VEHICLE WHEEL. WILLIAM MOSS DECKER, Buffalo, N. Y. Filed Aug. 20, 1923. Serial No. 658,260. 5 Claims. (Cl. 152—43.)



1. A cushioned wheel, comprising a hub, a cushion surrounding said hub, a rigid annular member surrounding said cushion, an adjustable band interposed between said cushion and said rigid member, and adjusting devices carried by said rigid member and engaging said adjustable band.

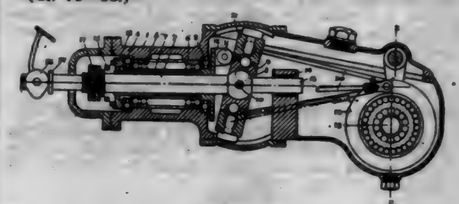
1,536,818. GAS-LIGHT BURNER. FRANCIS DE GRUCHY, Newark, N. J. Filed Feb. 14, 1922. Serial No. 536,462. 2 Claims. (Cl. 67—87.)

1. A gas-light burner including a body portion having a pair of spaced converging burner outlets the flames from which merge together, said body portion being provided at opposite sides thereof between said burner outlets with substantially parallel grooves disposed substantially in the plane bisecting the angle formed by the convergance of said outlets and opening through the top of said body portion, whereby the heat from said flame draws a current of air upwardly through each



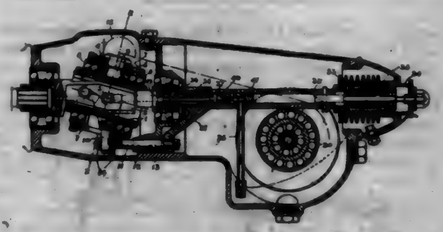
of said grooves into the space between said burner outlets where said currents impact with each other and spread into said flames.

1,536,819. AUTOMATIC VARIABLE POWER TRANSMISSION. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed Jan. 28, 1922. Serial No. 532,463. 5 Claims. (Cl. 74—53.)



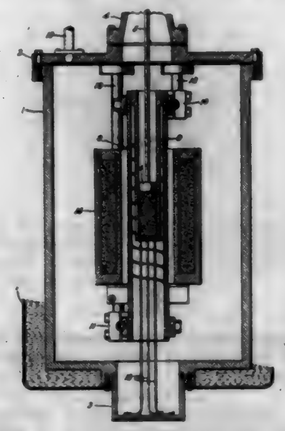
1. In a variable power transmission, a driven shaft, a longitudinally movable driving shaft, an oscillating member rotatable with the driving shaft and operatively connected with the driven shaft, and a spring medium exerting a longitudinal pressure on the driving shaft in opposition to the torque of the driven shaft.

1,536,820. VARIABLE-SPEED TRANSMISSION. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed July 7, 1924. Serial No. 724,607. 6 Claims. (Cl. 74—53.)



1. In a variable speed transmission, a drive shaft having a crank extension and a sleeve pivotally and slidably mounted upon said extension in such manner that it is caused to pivot when slid, a non-rotatable sleeve mounted on the aforesaid sleeve, anti-friction bearings supporting the latter sleeve, a Cardan ring connected to the outer sleeve and holding it from rotation, longitudinally movable means connected with said Cardan ring, and resilient means for opposing the movement of said Cardan ring.

1,536,821. APPARATUS FOR AND METHOD OF MAKING VITREOUS SILICA. PHILIP K. DEVERS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Sept. 27, 1924. Serial No. 740,416. 17 Claims. (Cl. 49—78.1.)



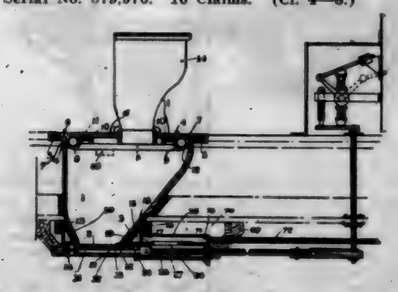
1. The method of making vitreous silica which consists in fusing silica in an enclosed space while maintaining a vacuum in said space and thereupon compressing the fusion at a pressure high enough to substantially eliminate bubbles.

1,536,822. CAR SEAL. EMIL DIETER, Richmond Hill, N. Y., assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 21, 1923. Serial No. 658,566. 11 Claims. (Cl. 292—318.)



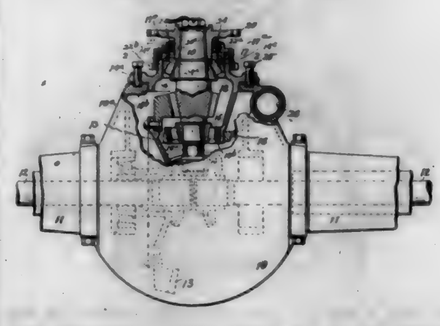
1. In a seal, the combination with a bulb or head, of a channel within the bulb, a shackle having corrugated ends which are adapted to be inserted into the channel, and a free lock within the bulb consisting of a free spring ring for interlocking the parts.

1,536,823. UNDERCAR WASTE BOWL. ALBERT DOBSON, St. Lambert, Quebec, Canada. Filed May 8, 1920. Serial No. 379,976. 16 Claims. (Cl. 4—8.)



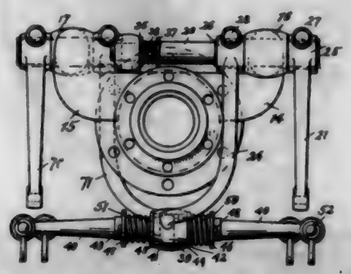
1. A bowl in substantially hopper shape having a flushing device, a double wall slide bottom closing the outlet and forming a steam enclosure, means for operating said slide bottom, a steam jacket encircling said bowl at the lower end thereof, a steam chamber forming a receptacle, enclosure and a steam feed pipe connected with said chamber.

1,536,824. REAR-AXLE CENTER. DAVID F. DOMIRI, Cleveland, Ohio. Filed Mar. 19, 1923. Serial No. 626,072. 7 Claims. (Cl. 74—99.)



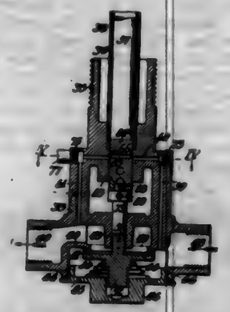
1. In a rear axle construction, an axle housing adapted to contain a differential, a driving pinion, two bearings for the pinion located on opposite sides thereof, a retainer supporting said bearings, the outer bearing being slidably mounted in the retainer, and a nut arranged externally of the retainer and engaging the outer bearing for adjusting the same.

1,536,825. BRAKE-ACTUATING MECHANISM FOR MOTOR VEHICLES. DAVID F. DOMIRI, Cleveland, Ohio. Filed May 14, 1923. Serial No. 638,709. 12 Claims. (Cl. 188—204.)



5. A brake equalizing device comprising a movable actuating arm having a cylindrical sleeve at the end thereof, an equalizing bar having a central ball enlargement fitting within the sleeve, stop members on the bar and sleeve for limiting the endwise movement of the equalizing bar in one direction but permitting the bar to rock about its ball enlargement, a spring for yieldingly pressing the bar against the stop, and brake operating members attached to the outer ends of the bar.

1,536,826. THERMOSTATICALLY-CONTROLLED FUEL VALVE. ROBERT J. DOUGHERTY, Philadelphia, Pa. Filed Aug. 7, 1924. Serial No. 730,772. 15 Claims. (Cl. 236—33.)



14. The combination with a valve casing; of a main gas valve controlling a main fuel gas conduit; a bypass conduit around said main valve; an auxiliary valve controlling said bypass conduit; and a single thermostat arranged to control both said valves, in succession.

1,536,827. LOOM. CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1921. Serial No. 453,077. 3 Claims. (Cl. 139—291.)



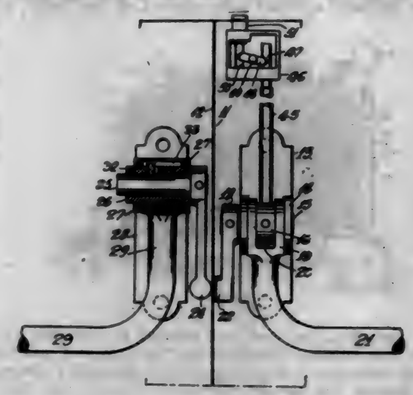
1. A loom having, in combination, a breast beam, a lay, heddles and drop wires, and a cloth take-up and let-out consisting of three members, two of which engage one side of the cloth near the breast beam and the third of which engages the cloth between the first two, and means for yieldingly pressing the members toward the cloth so as thereby to take up cloth when the shed is closed and give up cloth as the shed is opened.

1,536,828. METHOD OF MAKING TORIC LENSES AND LENS BLANKS. THEODORE B. DRESCHER, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Nov. 29, 1921. Serial No. 518,667. 4 Claims. (Cl. 49—85.)



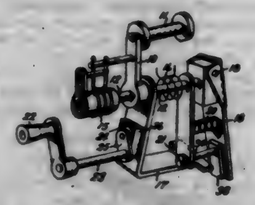
1. A method of forming toric lenses comprising the following steps (1) preparing a glass blank provided with a concave ground and polished spherical surface on one side and a toric convex surface on the other, one of the meridians of said toric surface having approximately the same curve as that of the concave surface (2) placing the concave surface of the blank upon a mold having a convex toric surface, one meridian of which corresponds to the spherical surface of the blank, and (3) heating the blank sufficiently to cause it to drop into contact with the surface of the mold.

1,536,829. EXIT-DOOR LOCK. HARRY W. DYER, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,571. 11 Claims. (Cl. 292—92.)



1. In a door lock of the class described for double doors, a locking mechanism on one door, a releasing mechanism on the other door, said mechanisms placed on said doors so as not to project beyond the abutting edges thereof and means for moving the releasing mechanism to engage said locking mechanism whereby said locking mechanism is operated to release the door to which it is attached.

1,536,830. SYSTEM AND SWITCH FOR CONTROLLING ELECTRIC TRANSLATING DEVICES. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,552. 6 Claims. (Cl. 200—89.)

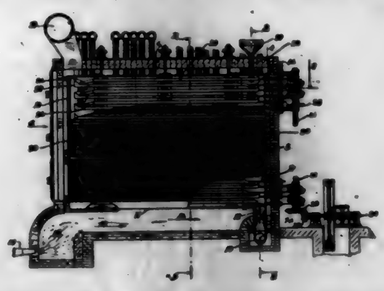


6. The combination in an electric switch of a switch member biased to one position, a shaft on which the switch member is mounted, an electromagnet having a winding disposed on the said shaft, a magnet structure mounted to rotate on the said shaft, an armature hingedly connected with the said shaft and biased to the unattracted position, the said armature when in the attracted position initially forming a mechanical locking connection between the said magnet structure and the said shaft only in the off position of the switch member, the said connection being maintained during movement of said magnet structure while the said winding is energized, whereby operating the said magnet structure moves the switch member from its biased position to an operative position and the switch member is maintained by the said electromagnet in the operative position as long as the said winding is energized.

1,536,831. SHALE-OIL EDUCTION RETORT. GUSTAV A. EKSTEDT and NICHOLAS SCHMUMER, De Beque, Colo. Filed July 28, 1923. Serial No. 654,321. 7 Claims. (Cl. 202—14.)

3. A shale oil eduction retort comprising an elongated retort chamber having a substantially rectangular cross-section, transverse supporting bars within said retort,

a shelf supported from each end of said bars, said shelves forming vertical tiers, roller bearings between the supporting bars and the bottom of the shelves, a vertical shaft rotatably mounted near one end of said retort, a



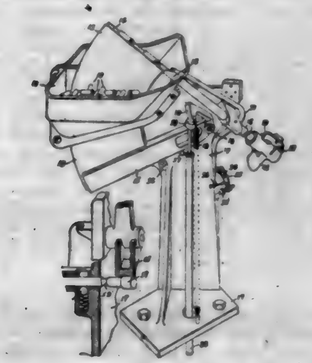
cam secured to the shaft and adapted to positively operate two adjacent layers of shelves, said cam having means cooperating with intermediate connecting means for moving the shelves alternately, slowly and then quickly in opposite directions.

1,536,832. FLUID-COOLED ROLL. ALBERT E. EVANS, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 18, 1924. Serial No. 713,108. 7 Claims. (Cl. 49—38.)



1. In combination in a roll, an outer cylindrical casing, a pipe extending longitudinally through the casing spaced away from the inner wall thereof to provide an annular chamber, partition means intermediate the ends of the roll dividing said chamber and the passage through the pipe each into two sections, communications between the inner end of each of said sections of pipe and the section of the chamber surrounding it, and means for providing a circulation of cooling fluid through each pipe section and the section of the chamber surrounding it.

1,536,833. TUBE-FEEDING APPARATUS. JOHN T. FAGAN and FRANCIS J. RIPPL, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed Sept. 19, 1922. Serial No. 589,249. 8 Claims. (Cl. 49—14.)



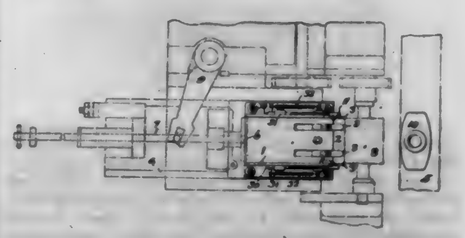
3. An automatic machine for feeding glass tubes comprising a hopper adapted to contain a supply of said tubes, a scoop mounted for reciprocation through said hopper in a substantially vertical plane and so shaped as to cause one or more of said tubes to lodge therein and to feed longitudinally therealong by gravity at the upper extremity of travel of said scoop, a guideway inclined so as to allow tubes to feed longitudinally along it by gravity disposed adjacent to said hopper and so as to be in line with said scoop at the upper extremity of its travel, and automatic means at the opposite end of said guideway for releasing said tubes one by one, said means comprising a finger and an end gate and means for causing the finger to frictionally engage the side of a tube and the end gate to open to release a tube and then causing the finger to release a tube and the end gate to close.

1,536,834. PLUNGER SASH-WEIGHT-MOLDING APPARATUS. GEORGE J. FOX, Frankford, Pa. Filed Mar. 3, 1923. Serial No. 622,496. 5 Claims. (Cl. 22—42.)



1. The herein described method of casting sash weights, which consists in placing a pattern plate having a plurality of radially disposed apertures and a central boss on the top of the sand in the flask, and forming therefrom in the top of the sand a central basin and radial gates, next forcing a plurality of patterns of solid cross section and arranged in circular form having chamfered ends through the apertures in said plate into said sand, next withdrawing said patterns thereby forming molds open at their end, next removing said plate and next positioning slotted wedge shaped cores in said molds to form the sash weight eyes.

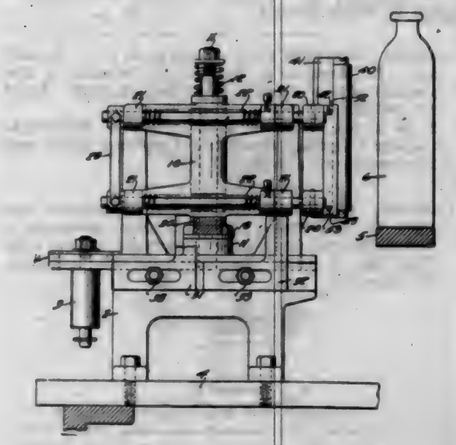
1,536,835. MAGAZINE FOR LABELING MACHINES. CHARLES RAGNAR FREDSELL, Newark, N. J. Filed Mar. 1, 1923. Serial No. 622,145. 12 Claims. (Cl. 216—34.)



1. In a labeling machine, a label carrying magazine movable relatively to the path of articles to be labeled, shaping fingers normally held inoperable by the stack of

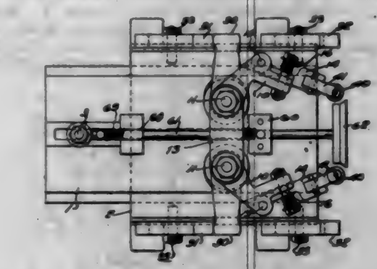
labels, to conform the foremost labels to the contour of the curved surface of the article immediately upon the label coming in contact with the article.

1,536,836. LABEL-WIPING STATION. CHARLES RAGNAR FREDSELL, Newark, N. J. Filed Apr. 5, 1924. Serial No. 704,431. 23 Claims. (Cl. 216—9.)



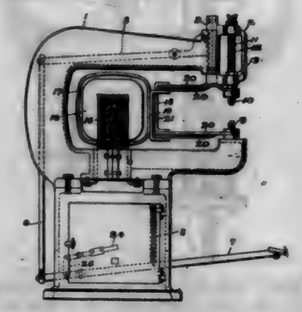
1. In a labeling machine, wiper mechanism comprising a reciprocating slide, a support movably mounted thereon, roll retainers movably mounted on said support, means for holding the roll retainers yieldably at one limit of their movement, and means for controlling the movement of said support.

1,536,837. LABEL-WIPING STATION. CHARLES RAGNAR FREDSELL, Newark, N. J. Filed Apr. 5, 1924. Serial No. 704,432. 13 Claims. (Cl. 216—9.)



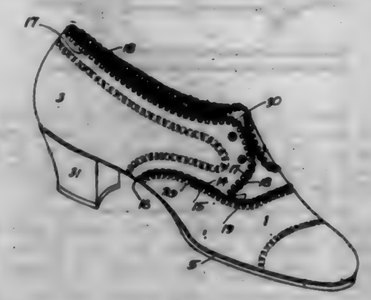
1. In a labeling machine, wiper mechanism comprising a reciprocating slide, supports pivotally mounted thereon, roll retainers pivotally mounted on said supports, means for holding the roll retainers yieldably at one limit of its movement, means for controlling the pivoted movement of said support and means for limiting said movement.

1,536,838. SPOT-WELDING MACHINE. HENRY GEISENHÖNER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 20, 1923. Serial No. 669,828. 5 Claims. (Cl. 219—4.)



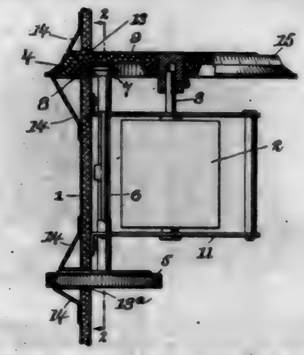
1. A spot welding machine comprising a frame, two pairs of electrodes carried thereby and adapted simultaneously to produce a pair of spaced spot welds, a transformer having a secondary winding for supplying current to said electrodes and pairs of leads for connecting said secondary winding with said two pairs of electrodes in parallel relation, the leads forming each pair being respectively connected to opposite terminals of said secondary winding.

1,536,839. SHOE. GEORGE H. GILLIS, North Abington, Mass. Filed Dec. 15, 1924. Serial No. 756,102. 4 Claims. (Cl. 36—57.)



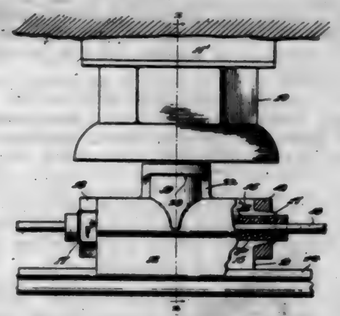
1. A shoe comprising in combination a plurality of pieces of material forming an upper, one of said pieces overlapping another of said pieces and being connected thereto by a stitching running substantially parallel with the edge of the material thereof, an extended edge portion on one of said pieces, a plurality of slots formed in said edge portion, said slots being disposed in a line substantially parallel with the line of stitching, a lacing looped through said edge portion and means for securing said lacing at opposite ends thereof for imparting strength to said edge portion.

1,536,840. PANEL MOUNTING FOR VARIABLE-CIRCUIT ELEMENTS. ALFRED HENRY GREBE, Hollis, N. Y. Filed Dec. 5, 1924. Serial No. 754,193. 5 Claims. (Cl. 74—7.)



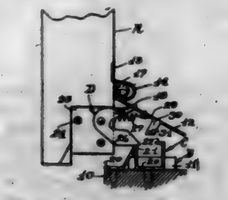
1. A panel mounting for a variable circuit element, comprising two dials operatively connected to control the variable element, said dials presenting segmental portions only for manipulation from the front of the panel.

1,536,841. TROLLEY AND SIGNAL WIRE HANGER. ALBERT J. GURNEY, Canton, Ohio, assignor to The American Mine Door Co., Canton, Ohio, a Corporation of Ohio. Filed Nov. 7, 1923. Serial No. 673,332. 16 Claims. (Cl. 191—43.)



5. A hanger of the character described including companion jaws provided at their ends with nipple portions mating to define nipples at the extremities of the jaws, and nuts screwed upon said nipples and adjustable for clamping the jaws in engagement with a wire.

1,536,842. WEATHER STRIP FOR DOORS AND WINDOWS. MARY P. HALBERT, St. Paul, Minn. Filed Apr. 18, 1922. Serial No. 554,945. 2 Claims. (Cl. 20—67.)

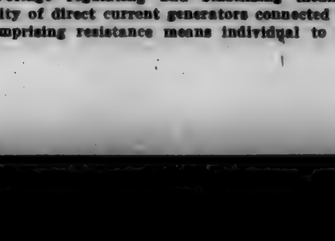


1. In combination with a hinged closure and frame therefor, a guard hinged on said closure, two catches on said guard, a spring operating to yieldingly draw the guard into operative position sealing the joint between said closure and frame, an abutment on the frame, a dog mounted on the closure and comprising a trip-arm, co-operating with the abutment, and a combined guard actuating and latch arm, said dog serving, during the initial stage of the opening swing of the closure, to lift the guard from sealing position, through the guard actuating arm, said arm co-operating with one of said catches to hold the guard elevated, said dog serving, further, during the final stage of the closing swing of the closure, to first release said arm from said catch and then engage said arm with the second catch and thereby lock the guard in sealing position.

1,536,843. DISINFECTANT. THOMAS H. HALL, Swarthmore, Pa., assignor to The Barrett Company, a Corporation of New Jersey. Filed Mar. 15, 1920. Serial No. 365,891. 3 Claims. (Cl. 167—3.)

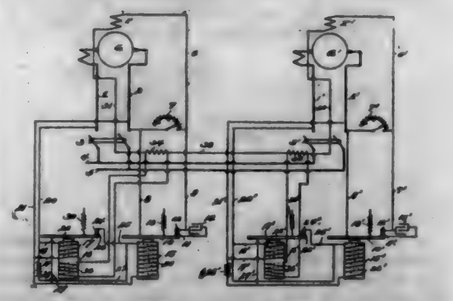
2. As a new article of manufacture, a disinfectant containing a hydroxy derivative of diphenyl mixed with a hydrocarbon oil and soap.

1,536,844. LIGHTING UNIT. WARD HARRISON and JOHN H. WATERBURY, Cleveland, Ohio, assignors to General Electric Company, a Corporation of New York. Filed Sept. 6, 1922. Serial No. 586,415. 4 Claims. (Cl. 24—78.)



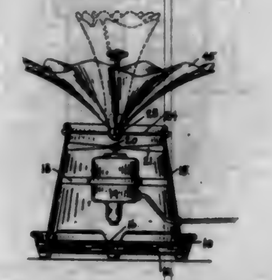
1. In a lighting unit, the combination of a substantially vertically disposed incandescent lamp and a support therefor, a light diffusing globe substantially inclosing said lamp and an opaque reflector positioned over and partially inclosing said globe, said reflector being recessed to allow the transmission of a substantial portion of light in substantially vertical directions through its upper portion, means for supporting said reflector and supporting means engaging said globe through said reflector.

1,536,845. VOLTAGE-REGULATING MEANS FOR DIRECT-CURRENT GENERATORS. JACOB Y. HARTMAN, New Orleans, and ROBERT L. FULLER, Arabi, La., assignors of one-third to Walter H. Cook, New Orleans, La. Filed Sept. 19, 1923. Serial No. 663,639. 5 Claims. (Cl. 171—229.)



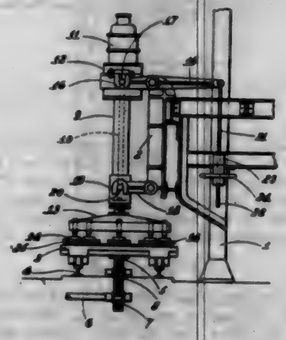
1. Voltage regulating and stabilizing means for a plurality of direct current generators connected in parallel comprising resistance means individual to the field circuit of each generator to be regulated, means for short-circuiting the respective resistance means, a balancing circuit connecting the generators, and controlling means for the respective short-circuiting means responsive to the voltage of its respective generator and also to a flow of current in the balancing circuit for causing the opening or closing of the short-circuit for the respective generator.

1,536,846. VENTILATOR BLOWER FAN. HARRY H. HEATH and AUGUST J. MOTTLAU, Far Rockaway, N. Y. Filed Aug. 17, 1920. Serial No. 404,195. 12 Claims. (Cl. 230—1.)



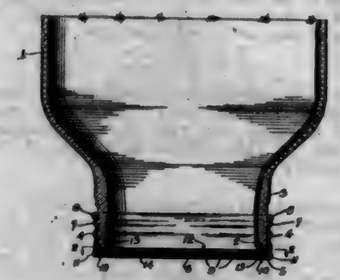
1. A device comprising a fan to provide an upward draft; a support in the field of said fan; and outwardly inclined deflector leaves adjustably pivoted to said support; and a single rotary spindle operable with a single hand for adjusting all of said leaves in unison.

1,536,847. PLATE-GLASS-POLISHING APPARATUS. HERMAN S. HEICHERT, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1923. Serial No. 643,500. 5 Claims. (Cl. 51—109.)



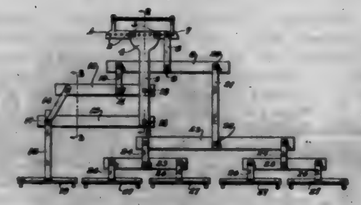
1. In combination in apparatus for polishing plate glass, a rotatable runner frame mounted for vertical movement, means for raising and lowering said frame, means for rotating that frame, a carrier for the glass mounted for movement transversely of said frame and a plurality of polishing blocks or runners free to rotate about their vertical axes, and mounted on said frame so that they may be swung laterally away from the center of said frame to present their lower surfaces in position for cleaning.

1,536,848. STRAINER. PERRY OSCAR HELLER, Prophetstown, Ill. Filed Feb. 28, 1923. Serial No. 621,827. 1 Claim. (Cl. 210—151.)



In combination with a receptacle having an exteriorly threaded neck, with the open end of the neck flat, a circular gauze disc bearing against the flat end of the neck and extending to the outer edge thereof, a circular layer of absorbent material placed over the gauze disc and extending to the outer edge thereof, and a detachable cap having a peripheral threaded inturned flange for engagement with the neck of the receptacle to clamp the outer edges of both the gauze disc and absorbent material to the flat open end of the neck, said cap having its cover plate perforated except around the margin where it is opposed to the flat end of said neck, whereby the imperforate portion of the cover plate engages and holds the outer edges of the gauze disc and the cotton against the end of the neck, said disk and absorbent material forming a gasket between the neck and the imperforate portion of the cap so as to prevent the liquid contents from passing around the marginal edges of said disk and absorbent material.

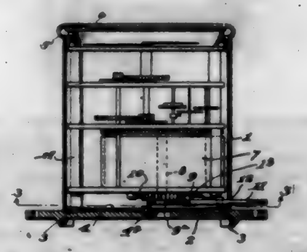
1,536,849. DRAFT EQUALIZER. PERRY OSCAR HELLER, Prophetstown, Ill. Filed Jan. 22, 1924. Serial No. 687,810. 2 Claims. (Cl. 278—6.)



2. In a draft equalizer, the combination of a longitudinal draw bar having means of connection to a clevis, a link connection with the clevis at one side of the draw bar, a rear transverse evener bar intermediately connected to the forward ends of said link connection, the inner end of said bar extending beyond the other side of the draw bar, a second link connection with said inner end and extending forwardly, a transverse equalizer beam pivoted at its inner end to the draw bar in advance of the said evener bar and connected adjacent to its pivoted end to the front end of the second link connection, a transverse spreader bar pivoted at its inner end to the front end of the draw bar and in advance of the equalizer beam and extending outwardly beyond the same, an angularly-disposed, outwardly-extending link connection between the outer end of the equalizer beam and the spreader bar, longitudinal links

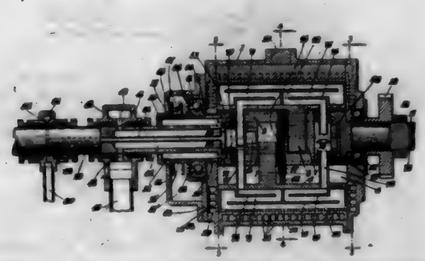
connected to the outer end of the spreader bar and having a singletree connected to their front ends, elongated longitudinal links connected to the outer end of the said evener bar and connected to a four-horse evener bar in advance of the front end of the draw bar, doubletrees connected to the ends of the four-horse evener, and a singletree at each end of each doubletree.

1,536,850. CLOCK-WINDING MECHANISM. JOHN F. HENNESSEY, Flushing, N. Y., assignor to Phinney-Walker Company, New York, N. Y., a Corporation. Filed Oct. 28, 1924. Serial No. 746,323. 3 Claims. (Cl. 58—46.)



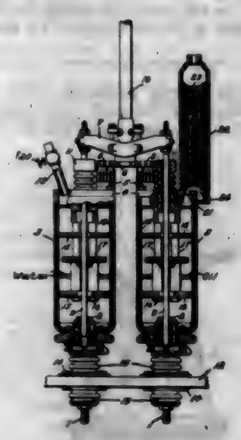
1. In a clock, the combination of a supporting plate, a cylindrical casing rotatably mounted at its rear end on said plate, a movement enclosed within the casing and rigidly attached to said plate, a lever projecting between the plate and the movement and operatively connected to the side wall of said casing, and means actuated by the oscillation of the lever to wind the main spring of said movement.

1,536,851. INTERNAL-COMBUSTION ENGINE. PETER COOPER HEWITT, Ringwood Manor, N. J.; The Farmers' Loan and Trust Company executor of said Peter Cooper Hewitt, deceased. Filed July 22, 1919. Serial No. 312,538. 10 Claims. (Cl. 123—16.)



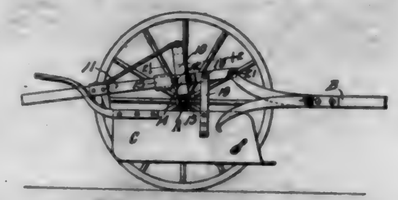
1. The combination of a casing having a fuel inlet and an outlet or exhaust, a rotor mounted therein and having wings rotatable with said rotor and engaging the inner walls of said casing, said wings being movable toward and away from the axis of rotation of said rotor, whereby continuous engagement may be maintained between them and the inner walls of said casing during the rotation of said rotor, means whereby the supply of fuel passing through said inlet is intermittently prevented during a predetermined extent of rotation of said rotor, and means for effecting the ignition of the fuel in said casing to cause the rotation of said rotor, said rotor being provided with means whereby a cooling medium may be passed through said wings.

1,536,852. ELECTRIC SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 2, 1923. Serial No. 610,099. 5 Claims. (Cl. 200—150.)



3. An electric switch comprising a set of contacts separable in water, and another set of contacts in series therewith separable in oil.

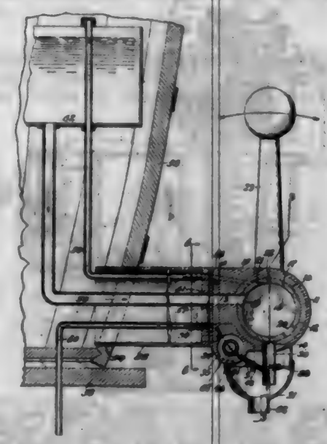
1,536,853. REPAIR PART FOR WHEEL SCRAPERS. EVERETT S. HITCHCOCK, Richmond, Va., assignor of one-half to Angier D. Woods, Hudson, N. C. Filed Dec. 12, 1924. Serial No. 755,516. 2 Claims. (Cl. 37—134.)



1. In a wheel scraper a repair part for the supporting ball for the scraper pan comprising a bar formed on one end with a socket to receive one arm of the ball and having an off-set in line with said socket equal to the thickness of the ball arm and provided with apertures for securing bolts substantially as set forth.

1,536,854. BEVERAGE-DISPENSING DEVICE. FREDERICK W. HOLDERLE and CARL L. HOLDERLE, Rochester, N. Y. Filed June 30, 1923. Serial No. 648,771. 2 Claims. (Cl. 225—26.)

1. A beverage dispensing device comprising a syrup valve casing provided with a circular bore and a syrup inlet passage and a syrup outlet passage opening into different parts of said bore, a rotary valve plug arranged in said bore and having a measuring chamber and inlet and outlet ports in different parts thereof which are adapted to register respectively with said inlet and outlet passages, a water valve casing having a circular bore, a water inlet passage adapted to be connected with a source of supply, a water outlet passage leading into said syrup outlet passage, and a valve seat between said inlet and outlet, a longitudinally movable stem arranged in said water valve casing and having a valve disk movable toward and from said valve seat, a



spring for yieldingly holding the water valve disk against its seat, and a rock handle arranged on said syrup valve plug and provided with a cam adapted to engage said water valve stem for opening the water valve.

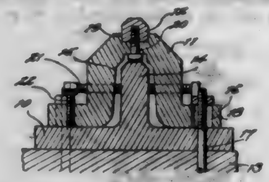
1,536,855. ELECTRON-DISCHARGE DEVICE. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1920. Serial No. 397,764. 24 Claims. (Cl. 250—27.)



1. An electron discharge device comprising a gas tight vessel having a reentrant integral stem, a metallic collar held to said stem solely by friction, and an electrode supported by said collar.

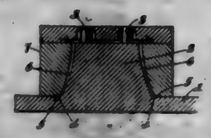
4. An electron discharge device comprising a cathode, a control electrode, an anode surrounding said cathode and control electrode, a pair of supports carried by said anode out of contact with the major portion of said anode, said pair of supports being located at opposite ends of said anode and means for supporting said cathode and control electrode from said pair of supports.

1,536,856. RAIL. BENJAMIN F. HOWES, Cary, Miss. Filed Sept. 23, 1924. Serial No. 739,413. 4 Claims. (Cl. 238—128.)



1. An adjustable rail comprising a base section, a ball carrying section mounted thereon, a ball section removably secured to the ball carrying section and means whereby said ball carrying section may be adjusted vertically and horizontally relative to the base section.

1,536,857. MOLD FOR MAKING RUBBER MASKS OR FACE PIECES FOR RESPIRATORS, INHALERS, AND SIMILAR ARTICLES. ALEXANDER M. HUDSON, New York, N. Y., assignor to Melvin A. Rice, New York, N. Y. Original application filed Aug. 22, 1919, Serial No. 319,090. Divided and this application filed May 31, 1922. Serial No. 564,711. 14 Claims. (Cl. 18—34.)



1. A mold for making masks or face-pieces for respirators, inhalers and similar articles, consisting of a base plate, a core extending upward therefrom, a cavity plate fitting loosely over said core, said core and cavity plate having sloping walls which are adapted to leave a graduated opening therebetween, a top plate upon said cavity plate, and means to hold all of said members in combined engagement for the purpose herein set forth.

1,536,858. ELECTRODEPOSITING BRIGHT POLISHED COATS OF CADMIUM. CHAD HERBERT HUMPHRIES, Kokomo, Ind., assignor to The Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed Mar. 2, 1922. Serial No. 540,566. 8 Claims. (Cl. 264—1.)

1. The method of obtaining a bright dense, coherent coating of metallic cadmium on another metal, which consists in electrodepositing cadmium from a cyanide solution in presence of an addition agent in quantity sufficient to produce an appreciable brightening effect but not exceeding .05%.

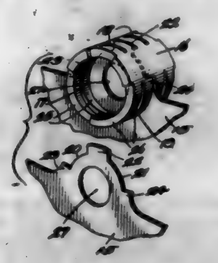
1,536,859. ELECTROPLATING. CHAD H. HUMPHRIES, Kokomo, Ind., assignor to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed June 5, 1924. Serial No. 718,079. 6 Claims. (Cl. 204—1.)

1. Method of obtaining bright, dense, coherent deposits of a metal upon another metal which comprises electrodepositing said first named metal from a cyanide solution thereof in the presence of a protein addition agent.

1,536,860. CONDENSER. PETER G. JACOBSON, Chicago, Ill. Filed July 5, 1922. Serial No. 572,789. 7 Claims. (Cl. 250—41.)

1. A condenser having one side formed of a plurality of leaves and a mounting sleeve having a plurality of sets of arcuate slots distributed along the sleeve, there

being three slots in each set that are arranged circumferentially of the sleeve, said condenser leaves entering said slots and being recessed to receive the unslotted portions of the sleeve, said sleeve being formed with in-



terleaving fingers which margin the end slots of the slot sets and are formed to exert pressure upon one another longitudinally of the sleeve upon contraction of the fingers.

1,536,861. THERMOSTATIC VENT VALVE FOR RADIATORS. EDWARD JACOBUS, Montclair, N. J. Filed Sept. 24, 1924. Serial No. 739,446. 6 Claims. (Cl. 236—52.)



1. A valve of the character described, comprising a casing having an inlet and an outlet, said outlet having an outwardly facing valve seat, a substantially semicircular thermostatic strip having one end fixedly connected to said casing exteriorly thereof at a distance from said outlet and the other end in opposed spaced relation to said valve seat and movable toward and from said valve seat upon influx of hot and cold fluid respectively into said casing, and a valve head carried by the second-mentioned end of said thermostatic strip and actuated by said strip into and out of engagement with said seat to close and open said outlet.

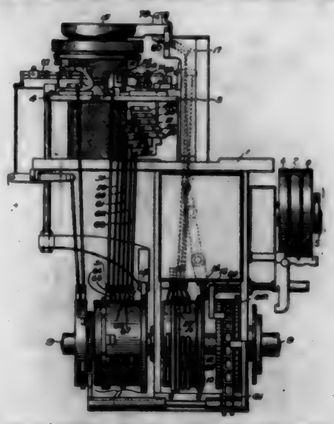
1,536,862. LATHING STRIP. IVAN W. JAMIESON, Palms, Calif. Filed Feb. 5, 1924. Serial No. 690,844. 2 Claims. (Cl. 72—116.)



1. A strip of the class described comprising a backing sheet, a plurality of laths placed thereon and spaced apart, wires on the front and rear faces of the strip and having portions pressed into the laths to hold the laths together and to hold the backing sheet in place.

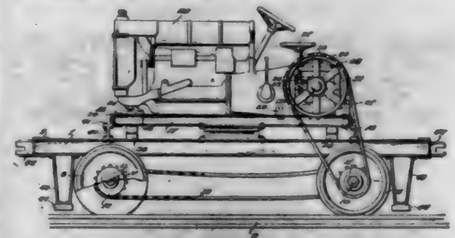
1,536,863. MACHINE FOR KNITTING GLOVES. FRANK E. JONES, Pawtucket, R. I., assignor to Hemphill Company, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 19, 1920. Serial No. 404,620. 17 Claims. (Cl. 66—24.)

12. In a knitting machine, means to knit a flat web of fabric comprising knitted hand and digit coverings said means including a pattern member having two sets of cams respectively arranged to effect the knitting of alternate right and left glove units and means to co-



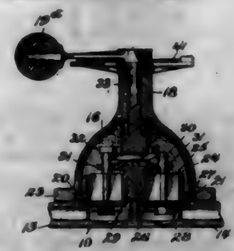
operate with certain of the cams of said sets to knit seamless digit coverings to correspond in length with the particular finger of the hand to be covered thereby.

1,536,864. TRACTOR LOCOMOTIVE. SAMUEL G. JONES, Norfolk, Va. Filed Apr. 25, 1924. Serial No. 708,925. 6 Claims. (Cl. 105—62.)



1. An apparatus for the purpose set forth comprising a wheeled-truck, a super-frame mounted upon the truck for pivotal movement about a vertical axis, means for securing a tractor upon the super-frame, means for operatively connecting the rear axle of the tractor with an axle of the truck, and means for vertically adjusting the rear axle of the tractor relative to the super-frame whereby to set the same in working position or bring it into an inoperative position to permit reversal of the tractor and the super-frame.

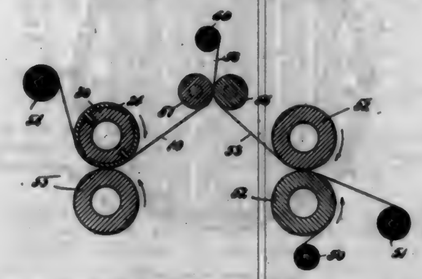
1,536,865. MIXING VALVE. FERDINAND J. KAHRER, Newark, N. J. Filed June 14, 1924. Serial No. 719,965. 3 Claims. (Cl. 277—18.)



1. A mixing valve comprising a flat base member, a dome like mixing chamber, a valve plate secured between them, valves in the plate and loosely fitting

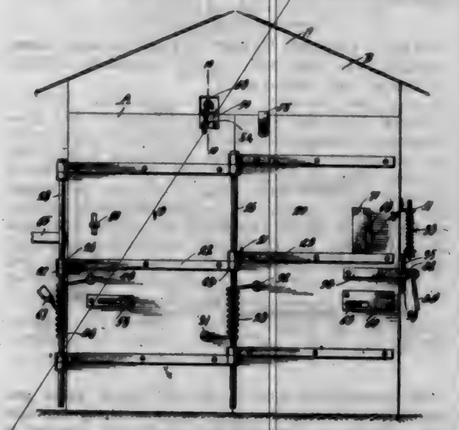
thereon and acting to seat on the lower face thereof the valve plate including a bracket to act as bearings for the valve stems, and a cam mounted in the dome like chamber and having faces to engage the ends of the stems.

1,536,866. PROCESS OF MAKING RUBBER SHOES. JACOB KAMBORIAN, Watertown, Mass. Filed Feb. 8, 1921. Serial No. 443,439. 5 Claims. (Cl. 18—56.)



2. The improved process of manufacturing rubber footwear, which consists in uniting to the sheet material from which the upper materials are cut, a plurality of layers having formed thereon increased reinforcing thicknesses at the top and bottom marginal portions of the upper to be cut from said layers, thus automatically producing reinforced portions at predetermined parts.

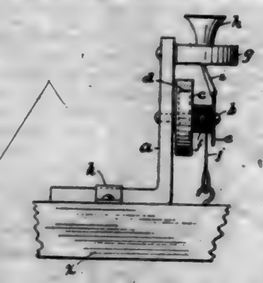
1,536,867. AUTOMATIC FOLDING DOOR. WILLIAM M. KARR, Gothenburg, Nebr. Filed Aug. 28, 1924. Serial No. 734,785. 10 Claims. (Cl. 20—16.)



2. The combination with a door including sections hingedly connected together, and means normally holding the door in a closed position, of a door opening device including means for automatically swinging one door section open at a time upon the manual release of said door holding means.

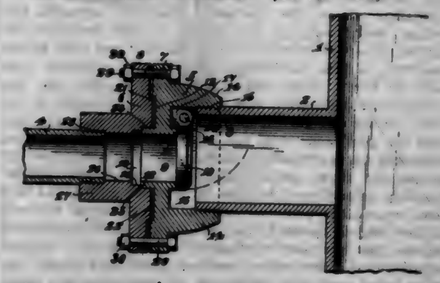
1,536,868. BURGLAR ALARM. AUGUSTUS H. KELLER, Philadelphia, Pa., assignor of one-half to George Hagey, Philadelphia, Pa. Filed Mar. 21, 1924. Serial No. 700,753. 3 Claims. (Cl. 116—86.)

2. The combination with the sashes of a window; of a mechanical burglar alarm comprising a bracket secured to one window sash, a shaft fixed to the bracket, a hollow box and a wheel turnable on the shaft, one wall of the box and the body of the wheel being slotted, a hollow hub enclosing the shaft between the box and wheel, projections on the ends of the hub extending through the slots of the box wall and wheel respectively and bent angularly so as to fixedly connect the box and wheel, a



coiled spring within the box one end of which is secured to the box and the other end of which is secured to the shaft, a cord secured to the other sash and wound about the hub, and audible alarm mechanism operable by the wheel in its turning movement.

1,536,869. FLANGED UNION CHECK VALVE. WILLIAM H. KIEBE, Beggs, Okla. Filed June 21, 1924. Serial No. 721,557. 2 Claims. (Cl. 137—69.)



1. A union of the character set forth, comprising a pair of centrally apertured abutting plates one having an annular recess in the abutting face thereof, an annular rib on the abutting face of the other plate seating in said recess, a pair of annular aligned collars upon each face of said recessed plate in alignment with the aperture therethrough, that collar upon the abutting face extending into and seating in the aperture in the adjacent plate, a flange upon the outer face of each plate, that flange upon said recessed plate being of materially greater diameter than the flange upon the other plate, a flap valve mounted upon the body of the plate having the flange of greater diameter, within the flange and seating upon the end of the adjacent collar to close the aperture through the plate, and means for securing the plates together.

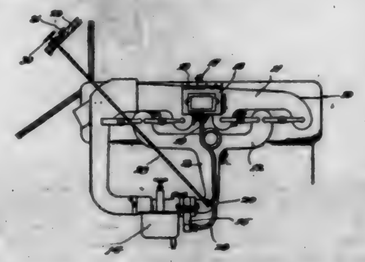
1,536,870. VALVE FOR INFLATED ARTICLES. ALFRED KLOTZ, Munich, Germany. Original application filed June 5, 1922, Serial No. 566,027. Divided and this application filed Apr. 11, 1923. Serial No. 631,308. 1 Claim. (Cl. 152—12.)



In a valve of the type set forth, in combination with a rotatable tool presenting a conically tapered end, a valve case, a valve plug rotatable therein and presenting a concentric tapering depression of a taper complemental

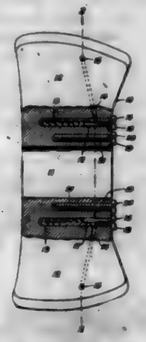
to that of said tool end for frictional cooperation therewith, the friction angle between said complemental taper surfaces being such that upon the plug becoming properly seated, the frictional cooperation between plug and tool is automatically broken.

1,536,871. AIR SUPPLY ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. FRED H. A. KNACKSTEDT, Staunton, Ill. Filed Feb. 12, 1923. Serial No. 618,627. 1 Claim. (Cl. 123—119.)



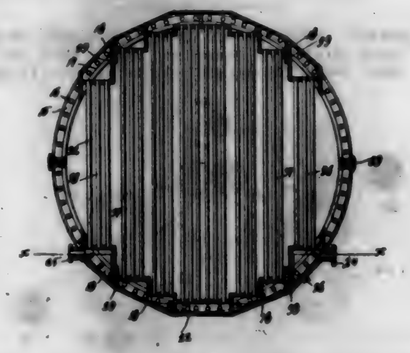
The combination with an internal combustion engine having intake and exhaust manifolds, and a carbureter connected with the intake manifold, of a casing fitting said exhaust manifold and providing a heating chamber, the casing being provided with screened openings for admitting air to the chamber, manually operable fastening means securing the casing to said manifold, an air box inserted between the carbureter and said intake manifold, a pipe connecting said heating chamber with said air box, a valve casing interposed in said pipe and having a cold air port, and a valve body rotatable in the valve casing and having ports to communicate with said cold air port and with the pipe, the valve body being rotatable to one position exclusively admitting hot air to the box from said chamber, to another position exclusively admitting a mixture of hot and cold air to said box, to another position exclusively admitting cold air to the box, to another position shutting off the flow of air to the box and venting said chamber to the atmosphere, and to another position completely closed, the valve being rotatably adjustable for regulating the quantity of hot air, the quantity of mixed hot and cold air, and the quantity of cold air respectively.

1,536,872. AX. DAVID E. BAILEY, Mechanicsville, N. Y. Filed Feb. 18, 1925. Serial No. 10,094. 6 Claims. (Cl. 145—2.)



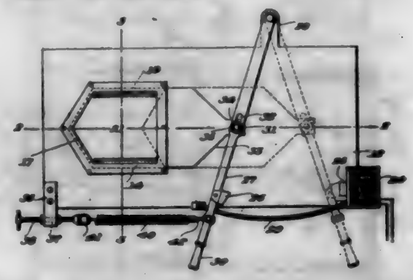
3. An ax blade having a reservoir, an orifice leading from the reservoir and opening on to an externally exposed surface of the blade, and a valve screw threadedly accommodated by the reservoir and having means for closing the reservoir from said orifice.

1,536,878. PREHEATING DEVICE FOR CONCENTRATING EVAPORATORS. LOUIS JOSEPH BARTHELEMY, San Juan, Porto Rico. Filed June 29, 1921. Serial No. 481,300. 1 Claim. (Cl. 159—46.)



The combination with a liquor evaporator comprising a steam belt, a vapor belt and a dome, of a preheating device for the liquor disposed between the vapor belt and dome comprising a cylindrical drum, a set of compartments disposed on one side of the evaporator, a similar set of compartments disposed on the opposite side of the evaporator, the compartments of each set being arranged in stepped relation relative to each other, tubes connecting oppositely disposed compartments, the alternate compartments on the same side communicating, whereby a zig-zag passage is formed, and an inlet and an outlet for the liquor communicating with the end compartments of one set.

1,536,874. CUT-OFF VALVE. PETER ROYSTER BATES, Graham, Va. Filed Nov. 22, 1921. Serial No. 517,149. 1 Claim. (Cl. 137—139.)



The combination with an inclined square spout provided with a V-shaped projection, of a casing provided with a V-shaped extension and removably secured to said spout, a frame surrounding said casing, a lever pivotally mounted on said frame, a pointed bevelled edge valve slidably mounted in said casing and pivotally connected to said lever, sharp edged guide means for supporting said valve in operative position and to separate material in the spout when the valve is in open position, electrical means for retaining said valve in open position and spring means for seating said valve when the electrical means is deenergized.

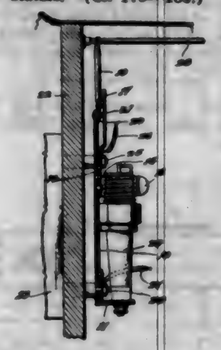
1,536,875. SWIMMING POOL. EDGAR W. BOWEN, Jacksonville, Fla. Filed July 3, 1924. Serial No. 724,157. 8 Claims. (Cl. 4—172.)

4. In combination in a swimming pool a receptacle having a plurality of reservoirs provided with stepped bottom surfaces forming pools of different depths, one of said pools being separate and distinct and the other



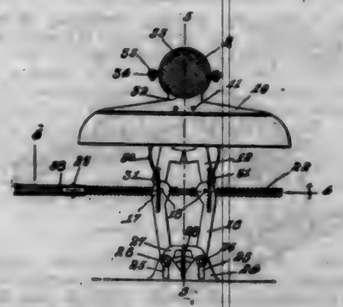
of said pools being joined to provide a continuous water passage but having means for preventing the passage of swimmers, substantially as set forth.

1,536,876. SPARK-PLUG TESTER. ORA L. BURCH, Littleton, Colo. Filed May 22, 1923. Serial No. 640,748. 5 Claims. (Cl. 175—183.)



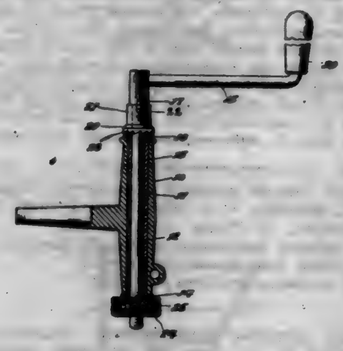
1. The combination with an induction coil, and primary and secondary circuit posts associated therewith, of contact means electrically connected permanently with one of said posts, contact means electrically connected permanently with the other of said posts to engage the shell of a spark plug having one of the coacting electrodes thereof in contact with said first mentioned means, and a switch exposed to be manually fixed for electrically grounding the primary circuit and closing the secondary circuit of the coil through the electrodes of the plug.

1,536,877. VEHICLE JACK. GEORGE W. BURNISTON, Chicago, Ill. Filed Aug. 8, 1924. Serial No. 730,987. 5 Claims. (Cl. 254—96.)



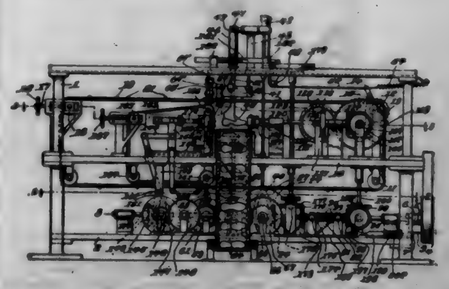
5. In a device of the character described, a casing, means on the casing for effecting securing to a vehicle chassis, a foot member, a channel shaped guide mounted with the foot member, a pair of slides movable within the guide, a pair of arms pivotally connected at their lower ends with the slides, a second pair of arms pivotally connected with the upper ends of the first named arms and pivotally connected with said casing, the opposite sides of the foot member being formed with elongated slots, bolts passing through said slots and through the lower end portions of the first named arms, the upper ends of the second named arms and the lower ends of the first named arms being formed with intermeshing gear teeth, bridge members at opposite sides of the foot member engaged upon said bolts, and springs connected with the foot members and the said bridge members.

1,536,878. FACING TOOL. JOEL FREDERICK BYERS, Kewanna, Ind. Filed June 3, 1922. Serial No. 565,716. 1 Claim. (Cl. 90—12.)



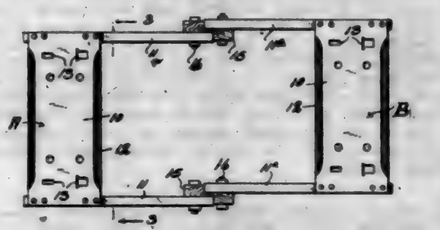
The combination, in a facing tool, of a pilot stem, a milling cutter thereon, an adjusting device comprising a nut threaded on the free end of the stem, a recess of greater diameter than that of the work to be faced being formed in the nut, an anti-friction thrust bearing fitted in the recess, a retaining washer for the thrust bearing fitting loosely around the stem and in the recess, and an annular spring wire fitting in a corresponding groove in the recess adapted to hold the retaining washer in position.

1,536,879. RUBBER-SANDAL-ASSEMBLING MACHINE. THOMAS CARTER, Detroit, Mich. Filed Aug. 29, 1924. Serial No. 735,003. 13 Claims. (Cl. 18—19.)



1. In a rubber sandal assembling machine, of a die, means for raising the vamp of a sandal into the die to form the same into a sandal upper, means for sealing the ends of the vamp, means operating said first mentioned means for lowering the upper from the die, and means for applying and securing the sole of the sandal to the upper when in last mentioned position.

1,536,880. RAIL-INSULATING METALLIC TIE. WILLIAM P. DAY, Cleveland, Ohio. Filed Dec. 9, 1924. Serial No. 754,827. 5 Claims. (Cl. 238—31.)



1. A metallic tie formed in two sections, each section including channel irons, the channel irons of one section extending toward the channel irons of the other section and the channel iron of one section having its channel facing the corresponding channel iron of the other section, an insulating block disposed within the channels of both sections, and fastening devices disposed through the insulating blocks and the two sections and holding them in rigid engagement with each other.

1,536,881. HEAT REACTIVE PLASTIC. CARLETON ELLIS, Montclair, N. J. Filed June 14, 1922. Serial No. 568,251. 18 Claims. (Cl. 106—22.)

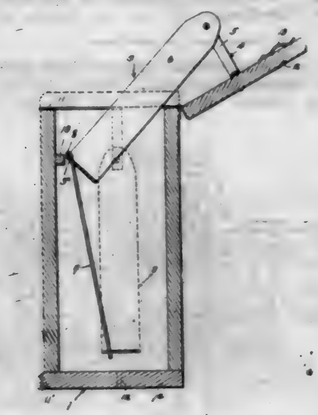
1. A molding composition containing dimethylol urea and a phenol formaldehyde fusible resin.

18. A molded methylolurea derivative.

1,536,882. MOLDING COMPOSITION. CARLETON ELLIS, Montclair, N. J. Filed Oct. 18, 1922. Serial No. 595,279. 19 Claims. (Cl. 106—22.)

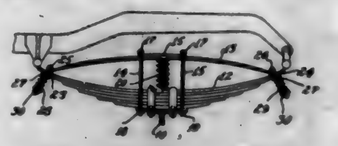
17. A molding composition containing methylolurea and free from alkaline reacting substances.

1,536,883. MILK-BOTTLE RECEIVER AND RETAINER. FRANK J. J. EMMERICH, Salina, Kans. Filed June 16, 1924. Serial No. 720,272. 5 Claims. (Cl. 232—41.)



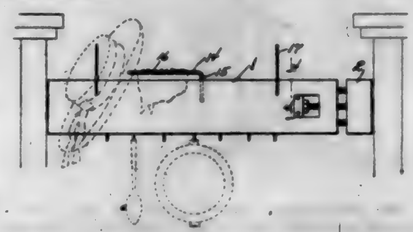
1. A container for milk bottles and the like having a bottle receiving and supporting ledge, and equipped with a hinged lid having a bottle carrier suspended from its inner face, means connecting the carrier with the lid to adapt the carrier to swing into an inclined position when the lid is opened and to kick the bottle carried thereby onto said supporting ledge.

1,536,884. SPRING AND SHOCK ABSORBER. STEVE FIORONI and ANTHONY ZANINELLI, Avella, Pa. Filed Mar. 31, 1922. Serial No. 548,457. 1 Claim. (Cl. 267—28.)



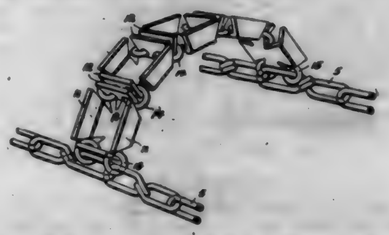
The combination with a leaf spring, of a spring extending longitudinally of the leaf spring, a coiled spring between the middle portions of the first and second named springs, tying devices connected with the second named spring and extending around the spring first named, and means connected with the ends of the tying devices and spacing them with reference to each other and equally with reference to the three springs specified, U shaped devices connected with the ends of the second named spring and passing around the leaf spring near its ends, coiled springs on the legs of each U shaped device, projecting outwardly at an abrupt angle from the leaf spring, and placed under compression by the flexing, under compression, of the first and second named springs.

1,536,885. RACK. GRANVEL FRANKLIN, Flint, Mich. Filed Apr. 10, 1924. Serial No. 705,640. 3 Claims. (Cl. 211—14.)



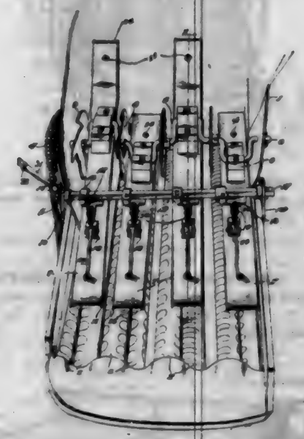
1. A rack of the class described including an elongated body block, and a comparatively short auxiliary block, a pair of bolts projecting from the auxiliary block and slidably piercing one end of the body block, a threaded bolt engaging the auxiliary block and piercing the body block, said body block provided with an opening, a bearing plate in the opening, a nut threaded on the last mentioned bolt within the opening so that said last mentioned bolt may be extended from the body block to force the auxiliary block therefrom, so that both of said blocks may be pressed against the object for supporting the rack all in the manner and for the purpose specified.

1,536,886. ANTISKID DEVICE. WILLIAM E. FREEMAN, Shickshinny, Pa. Filed Aug. 11, 1924. Serial No. 731,427. 1 Claim. (Cl. 152—14.)



An antiskid device comprising a plurality of antiskid elements, each of which being formed from a blank of cruciform configuration, the blank being formed to provide pairs of flanges which are spaced at the ends thereof, the adjacent end flanges being provided with pairs of alined openings, and rings passing through the openings and disposed between the end flanges, and the adjacent side flanges.

1,536,887. ATTACHMENT FOR CORN PICKERS. PRESTON F. KURTENBACH, Brookings, S. Dak. Filed May 21, 1924. Serial No. 714,928. 5 Claims. (Cl. 130—5.)



1. An apparatus for the purpose set forth comprising feeder arms of shallow channel formation each having both its ends turned upwardly, means on the under sides of the arms to engage ears of corn upon forward movement of the arms and to clear the ears of corn upon rearward movement of the arms, means for mounting the arms over pairs of husking rolls, and means for imparting an oscillatory longitudinal movement to the arms.

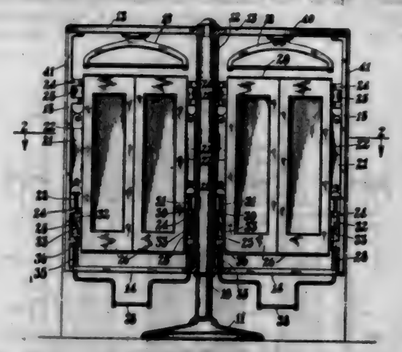
1,536,888. EXTENSION BED. WLADISLAW KWIATKOWSKI and HIPOLIT WIESCHON, Astoria, N. Y. Filed Feb. 9, 1924. Serial No. 691,558. 3 Claims. (Cl. 5—184.)



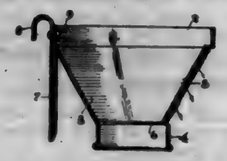
1. A bed comprising end bars each made up of a pair of sections, one of said sections being formed with a guide groove and the other section engaging slidably in said guide, a spring section fixed at its ends to the bars of the first named section, vertically adjustable members extending along the other bars of the other section, and a spring section fixed at its ends to the said vertically adjustable members, said vertically adjustable members resting freely on the bars of the second named section at one end, and cam elements supporting the said members at their other ends.

1,536,889. ROTATABLE CLOTH RACK. WLADYSLAW KWIATKOWSKI and HIPOLIT WIESCHON, Astoria, N. Y. Filed May 6, 1924. Serial No. 711,889. 3 Claims. (Cl. 100—37.)

1. In a garment hanger, a vertical frame, a backing plate fixed thereto, a pair of leaves hinged to said frame at opposite sides of the said plate and adapted to cooperate with the latter in pressing the garment, and elements depending from said frame and adapted to be pressed downward to swing the said leaves away from position co-operating with said plate.

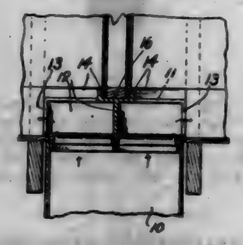


1,536,890. MILK-STRAINER ATTACHMENT. GUSTAV P. LAGEMANN, Laverne, Minn. Filed July 21, 1923. Serial No. 653,049. 2 Claims. (Cl. 210—155.)



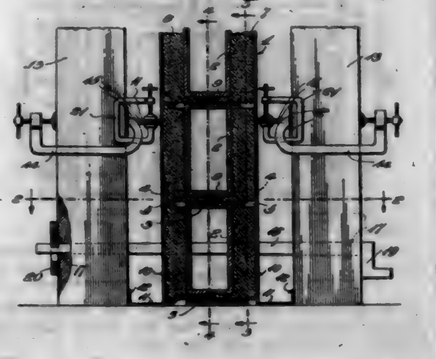
1. A device of the class described, comprising a tubular body converging toward the discharge end and with a foraminous closure at said discharge end, a supporting member attached to said body at its larger end and extended upwardly into a hook adapted to engage over the rim of a receptacle and extended downwardly and adapted to bear against the inner face of the adjacent wall of the receptacle, and thereby support the body in vertical position.

1,536,891. HEAT DISTRIBUTOR. ALBERT P. LANGLOIS, Norwalk, Conn. Filed June 24, 1922. Serial No. 570,628. 1 Claim. (Cl. 98—50.)



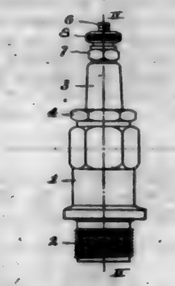
A heat distributor for adjacent rooms of building structures, comprising a base of angular outline and adapted to be arranged beneath adjacent walls of the structure, a portion of the base extending into the adjacent rooms, said distributor being arranged above the heat conducting pipe of a furnace, and designed to convey the hot air admitted from said pipe to the said adjacent rooms, flanges rising from the base and arranged to receive said walls and flanges depending from the outer edges of the base to provide a supporting means therefor.

1,536,892. MONOLITHIC WALL AND MOLD THEREFOR. CARL T. LARSON, Moline, Ill. Filed Mar. 27, 1924. Serial No. 702,422. 7 Claims. (Cl. 25—131.)



1. Means for forming air spaces in a poured cement wall, comprising a plurality of superimposed cores permanently disposed between vertical mold walls, and a plurality of transverse strips permanently supporting said cores one upon another, all of said strips being spaced widely apart vertically and being of an infinitesimal vertical dimension with respect to the height of any core.

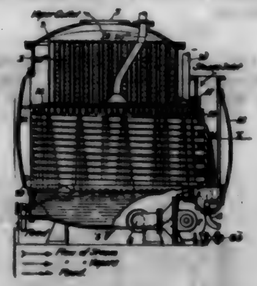
1,536,898. SPARK PLUG. HERBERT LOCKETT, Kansas City, Mo. Filed May 28, 1923. Serial No. 641,916. 1 Claim. (Cl. 123—169.)



In a spark plug, an outer shell, a stem-like electrode extending through and insulated from said shell, and a second electrode cooperatively associated with said first electrode, pendent from interior of outer shell, and consisting of two thin conical tubes joined at their reduced ends.

1,536,894. EVAPORATING APPARATUS. SAMUEL MORRIS LILLIE, Philadelphia, Pa. Filed July 24, 1922. Serial No. 577,054. 7 Claims. (Cl. 159—13.)

1. In a film evaporator a shell; a nest of tubular heating elements so supported within the shell and having such dimensions and location as to provide spaces within the shell surrounding the nest; vapor baffle walls enclosing the nest and dividing the spaces surrounding the nest into a nest compartment and outer compartments; means for supplying the tubular heating agents internally with a heating agent; distributing means above the nest of tubular heating elements within the enclosing vapor baffle walls; means for delivering a liquid to the distributing means; vapor passages through



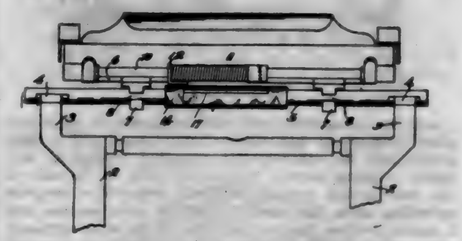
the vapor baffle enclosing walls between nest compartment and outer compartments; and vapor escapes for the outer compartments.

1,536,895. MEANS AND METHOD OF RECONDITIONING DAMAGED STEPS. ROMAN LINDTBERG, Brooklyn, N. Y. Filed Feb. 15, 1924. Serial No. 693,119. 4 Claims. (Cl. 72—96.)



1. A device for use in reconditioning steps comprising a channeled frame member arranged to surround the edging of a step, and a number of hook-bolts fixed to said frame at one end and extending within the confines of the frame, said hook-bolts having their other ends turned downwardly.

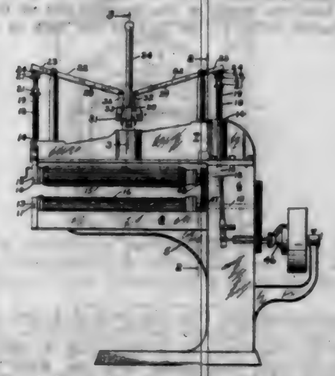
1,536,896. TYPEWRITER-FRICTION-RAIL LUBRICATOR. LOUIS M. LLORENS, Los Angeles, Calif. Filed July 30, 1924. Serial No. 729,138. 12 Claims. (Cl. 197—180.)



1. In a typewriting machine, in combination, a friction rail, a platen carriage movable thereon, and a reciprocating oil reservoir having a part wiping on the rail to constantly lubricate the same.

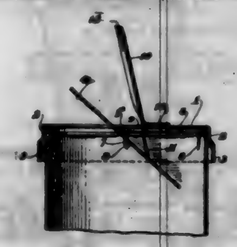
1,536,897. CORRUGATING MACHINE. SAMUEL LOAFER, Oakland, Calif. Filed July 5, 1923. Serial No. 649,483. 10 Claims. (Cl. 153—77.)

1. In a corrugating machine, a frame, a rotatable corrugating roll mounted in said frame, a complementary corrugating roll mounted to move toward and from said first roll, levers fulcrumed on the frame connected to said second roll, means operatively connecting said levers,



and a hand lever fulcrumed on said frame provided with a cam portion adapted to engage said means to rock said first levers.

1,536,898. CAN OPENER AND CLOSURE. ROBERT LORENS, Brooklyn, N. Y. Filed Feb. 20, 1924. Serial No. 694,062. 6 Claims. (Cl. 220—51.)



1. A combined can opener and closure, comprising a plate adapted to rest on a can top and having means whereby it may be rotated by hand, a pin and a cutting blade depending from said plate in spaced relation to each other, said plate having an opening, a lid for closing said opening, said lid being hinged to said plate, and means carried by said lid and projecting below said plate so as to engage the top of the can when severed by said plate and tilt the top and cause it to project through said opening.

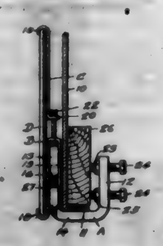
1,536,899. TOBACCO PIPE AND CIGAR AND CIGARETTE HOLDER. FREDERICK ERNEST LOW, London, England, assignor to Bewlay and Company Limited, London, England. Filed Nov. 29, 1921. Serial No. 518,599. 3 Claims. (Cl. 131—12.)



3. In a device of the character described, a cooling and clearing device comprising helical end portions and a flat intermediate portion extended at its sides for providing laterally extending lugs.

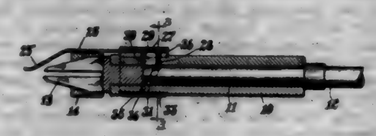
1,536,900. LICENSE-CARD BRACKET. ARTHUR L. LOWE, Sioux City, Iowa. Filed Mar. 13, 1924. Serial No. 698,988. 3 Claims. (Cl. 40—10.)

1. A license card bracket comprising a yoke adapted to straddle the lower portion of an automobile instrument board, an inverted channel-shaped plate received over the forward arm of the yoke and fixed thereto, the portion of said plate within the yoke being adapted to rest against the instrument board, a strip of protective material fixed to the plate and arranged to be interposed between the plate and the instrument board, the other



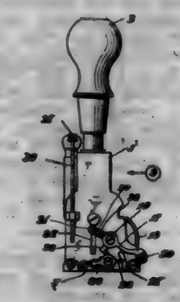
portion of the plate having a jaw formed on its lower end, an upper jaw, an adjustable screw connection between the upper and lower jaws, and a set screw in the rear arm of the yoke adapted to engage the rear of the instrument board.

1,536,901. MANICURING IMPLEMENT. ARTHUR LUTS, West Hoboken, N. J. Filed June 3, 1924. Serial No. 717,665. 3 Claims. (Cl. 132—74.)



1. A manicuring device comprising a barrel, a spindle rotatable therein and formed with an oblique circumferential groove, a chuck on said spindle, a block adapted to be removably mounted on said barrel, a bar slidably mounted in said block, and a pin on said bar engaging in said oblique groove, and spring clips projecting from said block and partially encircling the spindle to hold the block in place thereon.

1,536,902. STAMP-PLACING MACHINE. ALFRED E. MCMILLAN, New York, N. Y. Filed July 14, 1923. Serial No. 651,579. 4 Claims. (Cl. 216—28.)



1. A stamp placing machine comprising a housing, means for supporting a roll of stamps therein, pawl operated means for intermittently feeding said stamps, means for injecting water beneath the stamp to be affixed, means for pressing the stamp in place, and a holding finger for preventing retraction of the strip of stamps.

1,536,903. BAG-HOLDER BRACKET. ROBERT I. MCNAUGHTON, Iron Mountain, Mich. Filed May 2, 1923. Serial No. 636,215. 1 Claim. (Cl. 248—20.)



A bracket for the purpose set forth comprising, a substantially elongated relatively wide, flat horizontal portion, a vertical portion depending from the under side and adjacent one end thereof, a reinforcing web extending longitudinally of the center of and connecting the back of said vertical portion with the under face of the rear of said horizontal portion, means to provide an integral longitudinally extending housing upon the rear of said horizontal portion, having a polygonal longitudinally extending passage therethrough open at each end, said housing further having the inner side walls provided with opposed recesses, and a spring secured at one end in each recess and having a curved portion normally projecting into said passage to engage and securely grip the sides of a member extending through the passage.

1,536,904. PROCESS OF CASTING IRON IN METAL MOLDS. DANIEL H. MELOCHE, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed May 8, 1922. Serial No. 559,463. 8 Claims. (Cl. 22—189.)

1. The process of casting gray iron in permanent molds, consisting of pouring the metal while above 2200 deg. F. into a permanent mold having a semi-permanent lining of a metallic oxide which is of low thermal conductivity, and which vaporizes at a temperature greater than the white heat of the iron cast therein.

1,536,905. PROCESS OF PRODUCING SELF-ANNEALED CAST-IRON CASTINGS IN PERMANENT MOLDS BY THE HEAT OF THE METAL CAST. DANIEL H. MELOCHE, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Dec. 26, 1922. Serial No. 609,145. 15 Claims. (Cl. 22—189.)

1. The process of producing self-annealed gray iron castings, which consists in casting the metal in molds coated with a smooth adherent inert insulating refractory material and having a superimposed layer of amorphous carbon sufficiently thick to considerably prolong the cooling period of the casting.

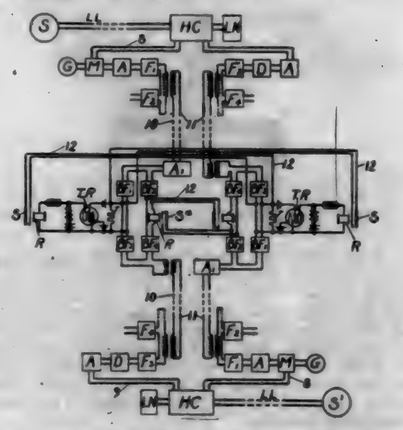
1,536,906. ARTICLE OF MANUFACTURE. HERBERT N. MILLER, Peoria, Ill. Filed Sept. 30, 1922. Serial No. 591,645. 1 Claim. (Cl. 45—28.)

An attachment for the backs of sinks to equip the latter with soap holding means, including a receptacle-like body having an open front and having a vertically extending flange extending across the top and bottom sides and ends of the front, said body being formed for engagement through an opening cut in a sink back to accommodate the attachment and having its said flange formed for engagement with the front face of a sink back, means to attach the flange at one side of the body to the front face of a sink back, a member extending outwardly from the body adjacent to and spaced from the flange at the opposite side of the body and disposed to lie to the rear of the back of a sink,



and means accessible from the back of a sink and engaged with said member and formed to be operable against the rear face of a sink back to draw said flange into tight engagement with the front face of a sink back.

1,536,907. CARRIER-CURRENT SYSTEM. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 27, 1920. Serial No. 361,911. 20 Claims. (Cl. 179—13.)

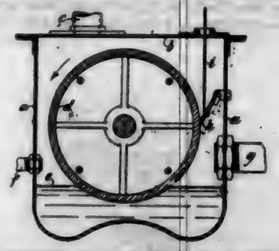


1. A system for duplex-multiplex transmission comprising pairs of stations, means for accomplishing a plurality of two-way transmissions on different frequency-selective channels between pairs of communicating stations, and means associated with said system whereby one-way transmission between one of said pairs of stations renders transmission in the opposite direction impossible, said last mentioned means functioning without interfering with transmission between others of said pairs of stations.

1,536,908. METHOD OF IMMERSING SUBDIVIDED SOLIDS OR LIQUIDS IN LIQUIDS. JOHN STANLEY MORGAN, London, England, assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England, a British Company. Filed Aug. 8, 1921. Serial No. 490,650. 3 Claims. (Cl. 196—92.)

1. A process of subjecting material to heat treatment by bringing it into contact with molten metal, which process consists in carrying the material in the form of a continuous layer on a continuous surface not capable

of being wetted by said molten metal into and through the metal whereby the whole of the material to be



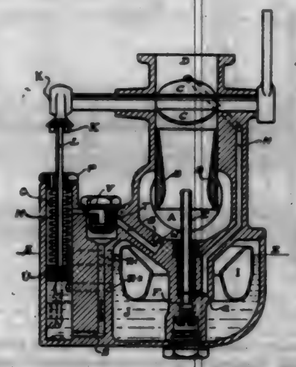
treated is subjected to the said heat treatment, in the form of a film between the molten metal and that portion of the surface which is immersed in the molten metal.

1,536,909. HOLDING DEVICE. ANDREW W. NELSON, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind., a Corporation of Indiana. Filed Nov. 13, 1923. Serial No. 674,492. 4 Claims. (Cl. 220—56.)



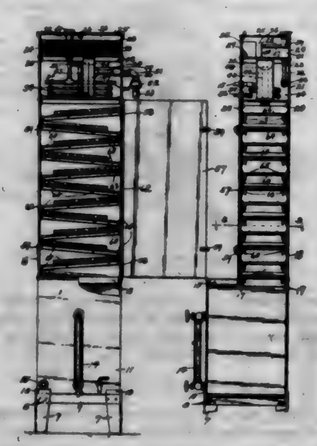
1. In combination, a pail having perforated lugs, a handle connected to said lugs and having loop-like ends passing through the perforations in said lugs, a holding member connected to said handle adjacent said lugs, the said holding member and said handle being of such contour that said handle contacts with said member when it is moved to the upright position to force said holding member in a direction towards the bottom of said pail, each end of said member being free from and spaced from the perforations in said lugs.

1,536,910. ACCELERATING DEVICE. OLIVER G. NORTON, Detroit, Mich., assignor to George M. Holley, Detroit, Mich. Filed Apr. 12, 1924. Serial No. 706,008. 2 Claims. (Cl. 261—37.)



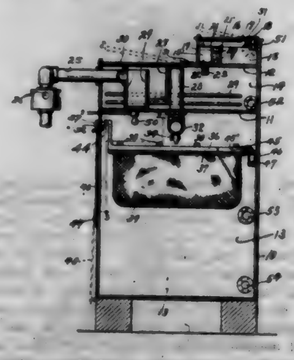
1. In combination with a throttle controlled carbureter, an accelerating device comprising spring operated fuel pumping means and means actuated by the throttle for storing energy in the spring during the closure of the throttle, and means for disconnecting the pumping means from the throttle valve on opening the throttle, whereby fuel is gradually discharged from the pumping means to the carbureter immediately after the throttle is opened.

1,536,911. COMBINED FILTER AND WATER SEPARATOR. WILLIAM W. NUGENT, Chicago, Ill. Original application filed June 23, 1916, Serial No. 105,350. Divided and this application filed July 2, 1920. Serial No. 393,576. 11 Claims. (Cl. 210—43.)



1. In filtering apparatus, the combination with an upright receptacle having an opening on one vertical side thereof, of a plurality of superposed spaced-apart filtering elements each having overflow means, and means for supporting said filtering elements in said receptacle to cause the oil to filter by gravity serially through said elements and to overflow from one element to the next below.

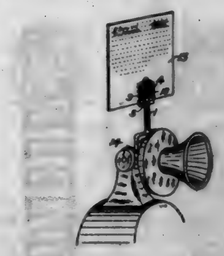
1,536,912. OIL-PURIFYING MECHANISM. WILLIAM W. NUGENT, Chicago, Ill. Original application filed Feb. 23, 1918, Serial No. 218,643. Divided and this application filed Nov. 29, 1920. Serial No. 426,970. 27 Claims. (Cl. 210—43.)



1. A casing enclosing a reservoir, a water separating chamber and a dirt separating chamber with the latter elevated above the other chamber; two spaced screens having their top edges spaced from the top of the reservoir and dividing the elevated dirt separating chamber into two compartments, there being a filling

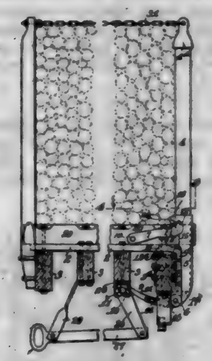
opening in one of said compartments and a discharge opening leading from the other of said compartments downwardly into the water separating chamber; and filtering material substantially filling the space between said screens.

1,536,913. INDEX-CARD HOLDER FOR TELEPHONES. PIERCE OCKENDEN, Edmonton, Alberta, Canada, assignor of one-half to Jesse Ward Tredway, Edmonton, Alberta, Canada. Filed Oct. 30, 1924. Serial No. 746,787. 1 Claim. (Cl. 40—10.5.)



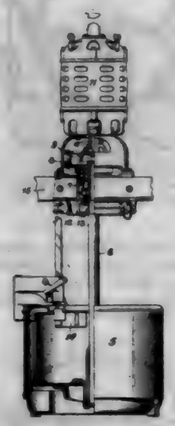
The combination of a forked rod with clamp thereto and having one end grooved, a double spring clip fitting within said groove with back in the form of a holder, as and for the purpose specified.

1,536,914. RELEASABLE STAKE POCKET FOR RAILWAY CARS. JAMES O'HALLORAN, Iroquois Falls, Ontario, Canada. Filed Oct. 13, 1923. Serial No. 668,849. 7 Claims. (Cl. 105—383.)



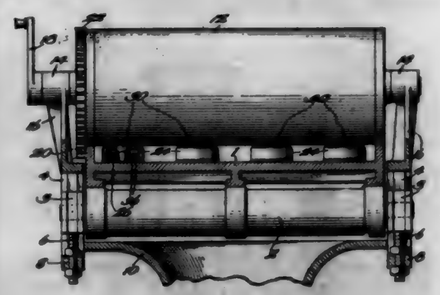
1. In a car the combination with longitudinal frame members and a pair of transverse load supporting members carried by and projecting beyond the longitudinal members, of a releasable stake holding device comprising a pocket member the lower end of which is offset to permit pivotal connection with one of said longitudinal members and the upper free end of which is formed for engagement by a latch when in stake-holding position; a latch adapted to engage the free end of said pocket member, and means carried by the longitudinal members for operating the latch; the arrangement being such that all parts of the device, when the pocket member has been released and swung down to its lowermost position, are entirely beneath the load bearing surface and inwardly away from the ends of said transverse members.

1,536,915. CENTRIFUGAL MACHINE. CHARLES A. OLCOTT, New York, N. Y., assignor to S. S. Hepworth Company, New York, N. Y., a Corporation of New York. Filed June 3, 1921. Serial No. 474,842. 13 Claims. (Cl. 270—72.)



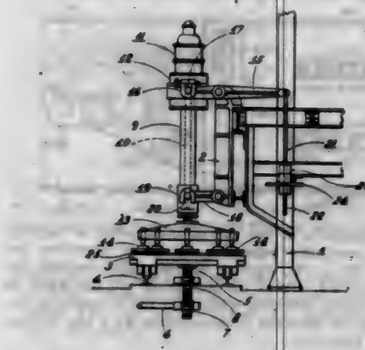
2. A centrifugal machine installation, comprising a centrifugal basket or the like for the reception of material to be treated, an electric motor which under no load has a substantially constant speed at various voltages, a centrifugal slip clutch connection between the motor and the basket, and master controlled means for impressing different selected voltages upon the motor to cause it to exert a predetermined torque upon the basket through the slip clutch, depending upon the character of the material fed to the basket and the desired rate of acceleration of the basket for the treatment of said material.

1,536,916. PRESSURE BLOCK. CARL G. OLSON, Chicago, Ill., assignor to Illinois Tool Works, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,486. 4 Claims. (Cl. 33—174.)



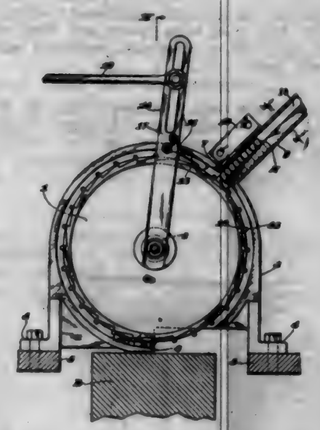
1. A pressure block having a housing, a plunger slidable in said housing and a circular dished spring surrounding the plunger and encased within the housing for exerting a predetermined resistance when compressed a predetermined amount.

1,536,917. PLATE-GLASS-POLISHING APPARATUS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed June 5, 1923. Serial No. 643,540. 3 Claims. (Cl. 51—109.)



1. In apparatus for polishing plate glass, a rotatable runner frame, a carrier for the glass mounted for movement beneath said frame, and a plurality of polishing blocks or runners releasably mounted on the frame for free rotation about their vertical axes, and removable laterally from said frame without lifting said frame from operative position.

1,536,918. APPARATUS FOR FEEDING GLASS BLANKS. WILLIAM OWEN, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed May 13, 1924. Serial No. 713,082. 3 Claims. (Cl. 198—30.)



1. In combination with a tunnel heating chamber and a carrier mounted for movement through the chamber, a wheel mounted for rotation transversely of the carrier thereabove and provided around its periphery with projecting spaced feeding members, an inclined blank carrying chute leading to the periphery of the wheel and adapted to feed the blanks therein against the periphery of the wheel, a retaining flange extending around the wheel outward of the blanks to a point above the carrier and means for giving the wheel an intermittent step by step movement.

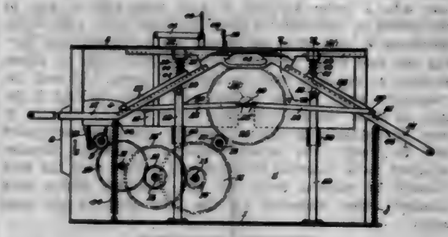
1,536,919. ABSORPTION GLASS AND METHOD OF MAKING IT. JOSEPH CARL PARKINSON, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 15, 1922. Serial No. 601,144. 3 Claims. (Cl. 106—36.1.)

2. The method of producing glass of high ultra violet ray absorbing properties which consists in fusing a substantially pure cerium compound in a reducing batch.

1,536,920. GLASS AND BATCH THEREFOR. JOSEPH CARL PARKINSON, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Nov. 15, 1922. Serial No. 601,145. 5 Claims. (Cl. 106—36.1.)

1. A glass for absorbing ultra-violet rays containing cadmium, such glass having a yellow tint, and being substantially free from coloring matter other than the cadmium.

1,536,921. WIND MOTOR. ADOLPH PELSCH, Hallettsville, Tex. Filed Nov. 29, 1922. Serial No. 604,036. 5 Claims. (Cl. 74—14.)



1. A motor of the type described, including a housing, a pair of drive shafts journaled within said housing and having their opposite end portions projecting externally therefrom, a crank shaft rearwardly of the said drive shafts and also journaled within the housing, a rocking bar upon each side of the crank shaft and connected to the crank portions thereof by connecting rods, the said crank shaft adapted to be rotated by the said drive shafts and for imparting a rocking movement to the rocking levers.

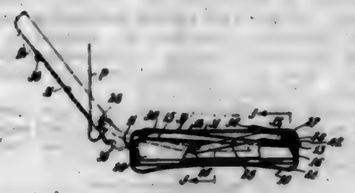
1,536,922. TRAFFIC SIGNAL. JOHN C. PENNELL, Fort Wayne, Ind. Filed July 28, 1921. Serial No. 488,148. 11 Claims. (Cl. 177—337.)



7. In signaling apparatus, an oscillating member having major signal arms fixed thereon; a vertically movable member having minor signal arms fixed thereon concealed by the major arms when the vertically movable

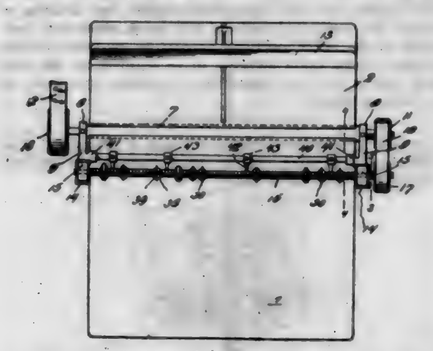
member is in one of its positions and exposed to view when in its opposite position; and means for actuating the vertically movable member to expose the minor signal arms to view momentarily in advance of the movement of the major signal arms.

1,536,923. POCKET CIGARETTE-ROLLING DEVICE. JOHAN PETE, Monterey, Mexico. Filed June 9, 1923. Serial No. 644,466. 3 Claims. (Cl. 131—5.)



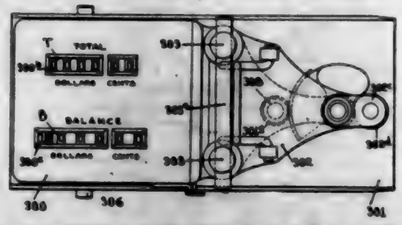
1. A device of the class described comprising a casing, a cover hinged thereto and formed with a pair of slots one near the hinged side and one near the opposite side, a roller adapted to pass from side to side of the cover as the latter swings between open and closed positions, a pair of arms hinged to the casing and having the said roller attached to their free ends, an apron secured at opposite ends to the said cover adjacent the respective slots in the latter, said apron having a degree of slack therein when the cover is open whereby it may be partially projected through the first mentioned slot to receive the tobacco, and a removable member adapted to be inserted into the said pocket over the said tobacco to form a guide for the cigarette paper, said member being mounted on the free ends of the said arms.

1,536,924. ROTARY PERFORATING MACHINE. JOHN N. PIERCE, Jacksonville, Fla. Filed Mar. 19, 1924. Serial No. 700,354. 2 Claims. (Cl. 164—90.)



1. A perforating machine including a table, a pair of bearing members mounted on opposite sides of the table, said bearing members being provided with slidable bearing blocks, a rotary cutter shaft mounted in said slidable bearing blocks, means for rotating the said cutter shaft, a plurality of removable and adjustable cutter elements mounted on said cutter shaft, a cushion roller mounted for rotation in said bearing members and extending through a slot in said table, and means for moving said slide bearings for projecting said cutter elements into engagement with said cushioning roller for effecting perforation of a sheet material fed between said cutter elements and said roller, a rod mounted in said bearings and extending transversely of the table above the same, and a plurality of fingers adjustably mounted on said rods having the end portions extending into proximity to the cushion roller for holding the sheet material in contact with said rollers.

1,536,925. CHANGEABLE DIE METER FOR POSTAGE-METER MACHINES. ARTHUR H. PITNEY, Stamford, Conn., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn., a Corporation of Delaware. Filed Mar. 14, 1923. Serial No. 624,997. 33 Claims. (Cl. 235—101.)



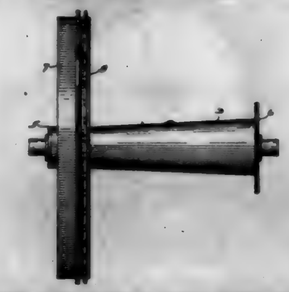
1. In mechanism of the character specified, a register, means for removably supporting a die in operative position relative to the register a removable rotatable interchangeable die, means for actuating the die when in place, and means whereby when said die is operated the register will be operated in accordance with the denomination of such die.

1,536,926. ELECTRIC HEATING UNIT. EMIL PROBST, Charlottenburg, Germany, assignor to General Electric Company, a Corporation of New York. Filed Mar. 22, 1923. Serial No. 626,970. 2 Claims. (Cl. 201—63.)



1. An electric heating unit comprising a spirally bent quartz tube, said tube being closed and filled with an indifferent gas, and a resistance conductor extending through said tube.

1,536,927. CALF-WHEEL SHAFT. RAY L. REHART, Glendale, Calif. Filed Mar. 12, 1923. Serial No. 624,441. 1 Claim. (Cl. 242—117.)

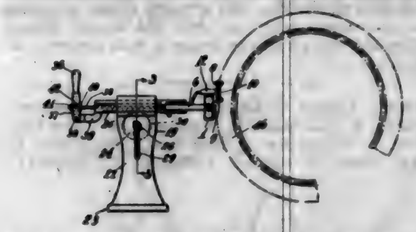


In a drilling rig having a crown pulley centrally disposed, a calf wheel disposed to one side of said crown pulley, said calf wheel comprising a tapered shaft having a drive wheel mounted on the smaller end thereof, said drive wheel having its plane disposed normal to the axis of said shaft.

1,536,928. TIRE-BUFFING MACHINE. JOSEPH REETS and FREDERIC THOMASSEN, Jr., Jeannette, Pa. Filed Dec. 11, 1923. Serial No. 679,964. 8 Claims. (Cl. 51—67.)

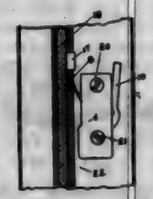
1. In a buffing machine of the character described, a standard; a reciprocable member mounted thereon; means

to reciprocate said member; a plurality of arms hingedly and symmetrically mounted on said reciprocable member; brush-holders carried by said arms; brushes mount-



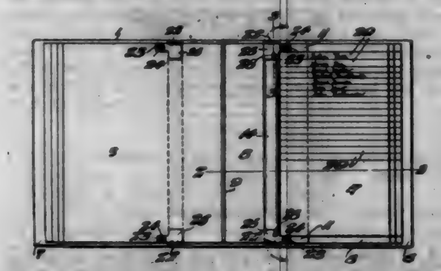
ed in said holders; a plurality of finishing pads, supports therefor adjustably mounted upon said arms, and hand operated means for converging said arms.

1,536,929. ANTIRATTLING MECHANISM FOR WINDOWS. EDWARD EDWARD RICHARDSON, Maumee, Ohio. Filed Apr. 26, 1922. Serial No. 556,595. 5 Claims. (Cl. 292—83.)



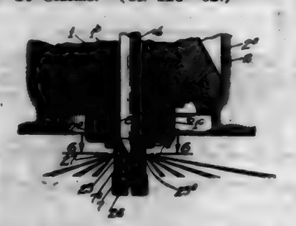
1. In a device of the class described, a substantially open ended rectangular box shaped base member, opposite sides of said box member having openings therein, a flat leaf spring secured at one of its ends within the said base member near an end thereof, and having its other end projecting through one of the said side openings, a camming lever journalled in the said box member and having a handle portion projecting through the other said opening, means whereby said base member may be secured to the frame of a window with its open end in contact with the said frame and the end of the said leaf spring adjacent the window pane; said camming lever adapted to press the end of the said spring firmly against the window pane when the said handle is operated, and a pad of resilient material carried by the said spring end pressed against the window pane.

1,536,930. LOOSE-LEAF LEDGER WITH VISUALIZED ARRANGEMENT OF ACCOUNT SHEETS. WILLIAM A. RINGLER, Philadelphia, Pa. Filed Apr. 28, 1924. Serial No. 709,552. 19 Claims. (Cl. 129—19.)



1. A sheet holder comprising a sheet of material having on one side intermediate its ends a piece of material formed with a plurality of folds, and means to secure said folds in their folded position.

1,536,931. FUEL-SPRAYING NOZZLE FOR INTERNAL-COMBUSTION ENGINES. ARCHIE R. ROBBINS, San Diego, Calif. Filed May 17, 1923. Serial No. 639,718. 10 Claims. (Cl. 123—32.)



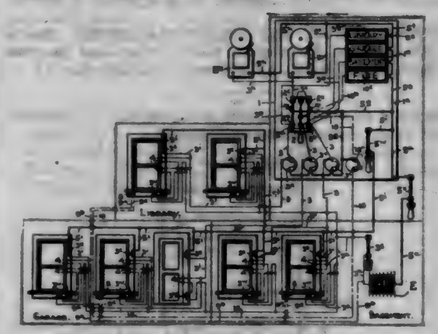
1. A means of the class described, including a nozzle member support, adapted to be supported within an engine cylinder, and a nozzle member adjustably supported by said nozzle member support and provided with a plurality of outwardly directed slots in its upper face and communicating with a fuel oil supply line.

1,536,932. KEYED INSULATING BOARD. CHARLES A. ROLFS, St. Paul, Minn. Filed Aug. 17, 1921. Serial No. 493,153. 4 Claims. (Cl. 72—116.)



1. As an article of manufacture an insulating board having the front portion thereof of strong texture and having incorporated therein plaster keying means and having the integral back portion thereof of comparatively great thickness and of loose texture and high insulating qualities.

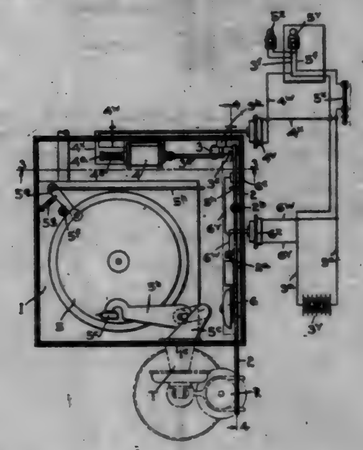
1,536,933. BURGLAR AND FIRE ALARM APPARATUS. RALPH H. ROSE, Detroit, Mich. Filed July 25, 1921. Serial No. 487,250. 4 Claims. (Cl. 197—314.)



2. In an alarm apparatus for a structure having a plurality of openings; an alarm at each opening; a circuit for each alarm including means at the respective opening operable by an attack at said opening for closing its respective circuit; a source of electricity common to all of said circuits; a switch comprising a plurality of blades and a plurality of cooperating contacts; means electrically connecting all of said blades together; and means connecting each of said alarms re-

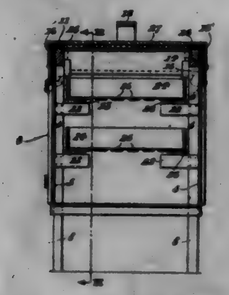
spectively to one contact on said switch, whereby when the switch is closed an attack at any opening will operate the alarms at all openings, and when the switch is opened the alarm only at the opening attacked will be operated.

1,536,934. BURGLAR AND FIRE ALARM SIGNAL FOR TELEPHONES. RALPH H. ROSS, Detroit, Mich. Filed Aug. 25, 1921. Serial No. 495,225. 6 Claims. (Cl. 179—5.)



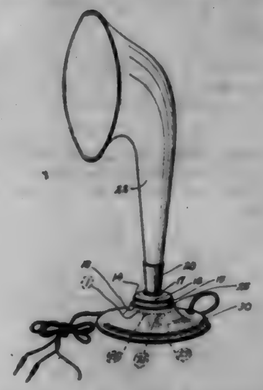
1. In apparatus of the character specified, a casing adjacent an ordinary telephone receiving and transmitting apparatus and having an opening therein registering with the transmitting apparatus; a lever pivoted in the casing and having a portion projecting out of the casing and underlying the hook of the receiving apparatus; an audible signal apparatus within the casing; and means in the casing for normally holding the outer end of said lever depressed, said means being connected in a normally open electric alarm circuit, whereby when said circuit is closed said means is released permitting the receiver hook to raise, and causing an audible signal to be transmitted through the opening in the casing directly into the transmitter apparatus.

1,536,935. FRUIT AND VEGETABLE DRIER. BENJAMIN P. ROSS, Sacramento, Calif. Filed June 28, 1923. Serial No. 648,380. 2 Claims. (Cl. 34—41.)



2. In a fruit drier, a rectangular frame having corner posts, brackets projecting laterally from said posts, shelves removably supported on said brackets, and trays having bottoms provided with longitudinal slots and resting on said shelves, said trays being adapted to rest directly on the brackets upon removal of the shelves, certain of the slots being closed by the shelves when the trays are supported in said shelves, a casing carried by the posts and spaced from the shelves and trays at one end to form an air flue, and a water trough extending across the casing over said flue and spaced slightly from the end and top of the casing to form a narrow air passage.

1,536,936. TABLE TALKER. MAURICE C. RYPINSKI, Yonkers, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 13, 1924. Serial No. 699,090. 2 Claims. (Cl. 179—147.)



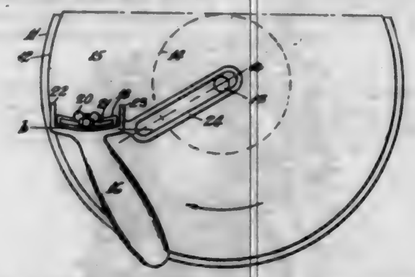
1. An electromagnetic sound reproducer comprising a sound reproducer unit having a substantially cup shaped casing, an electromagnetic operating mechanism contained therein, a screw threaded cap engaging the upper portion of said casing having a flat annular flange substantially above the plane of the lower extremity of said casing, an acoustic horn supported in said cap, a supporting base having a flat central apertured portion of a size slightly greater than the diameter of said casing, a flat annular flange surrounding said apertured portion a wall extending outwardly from said flange forming a continuation thereof and comprising said supporting base and means for securing said unit within said apertured portion by a vertically downward movement in which said flat annular flange on said cap contacts with said flat annular flange on said base forminging a substantial support for said electromagnetic operating mechanism.

1,536,937. PAPER-PAD HOLDER AND PENCIL RETAINER. JOHN C. F. SCHAFER, Mount Pulaski, Ill. Filed Apr. 17, 1924. Serial No. 707,107. 7 Claims. (Cl. 281—30.)



1. A paper pad holder and pencil retainer, comprising a body portion having a pad holder connected therewith, a movably connected cover portion having a pencil retainer therewith, together with cooperating means to prevent removal of the pencil while the two portions are in closed position.

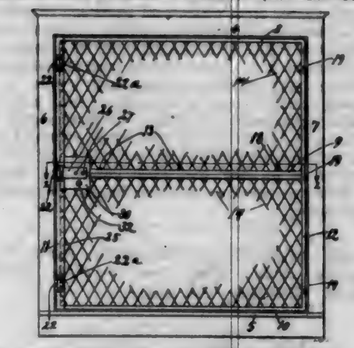
1,536,938. SHAVING DEVICE FOR PHONOGRAPH RECORDS. CHARLES SCHIFFL, Montclair, N. J., assignor of one-half to John A. M'Vickar, New York, N. Y. Filed Jan. 15, 1923. Serial No. 612,624. 11 Claims. (Cl. 82—1.1.)



1. A record shaving device of the class described comprising a handle with a head, a flat elongated cutter supported by said head and arched on its longitudinal axis.

6. A record shaving device of the class described comprising a handle with a head, a cutter supported by said head in a position inclined to the vertical, wings projecting from said head and arranged to engage the surface to be shaved when the vertical angle of said cutter is changed.

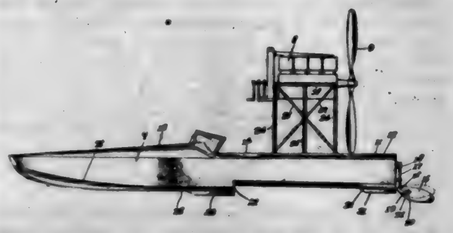
1,536,939. WINDOW GUARD. HENRY J. SCHULDT, St. Paul, Minn. Filed Jan. 17, 1923, Serial No. 613,815. Renewed Jan. 9, 1925. 1 Claim. (Cl. 189—79.)



The combination with a window frame of a wire netting guard covering the window opening, primary hinges holding one of the vertical edges of the guard to the frame, secondary hinges secured in the frame opposite from the primary hinges and having each one member formed with a stop regulating the closing of the guard, a vertical lock bar secured to the swinging members of said hinges to engage the guard and hold it closed, one of said swinging members being extended as a hasp and having a staple, a lock inserted in the guard in a position to engage the staple of the hasp and thus hold the guard locked.

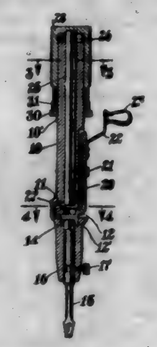
1,536,940. SPEED BOAT. HENRY NEWTON SHERBURNE, Plaquemine, La. Filed July 14, 1924. Serial No. 725,932. 4 Claims. (Cl. 114—66.5.)

2. A speed boat comprising a hull of relatively short yet wide surface area made up in two sections, the rear section being stepped above the plane of the front section, each section composed of half portions inclined from the keel line outwardly and upwardly in lateral directions and both said sections inclining from their forward ends downwardly toward the rear ends, said front section being curved from the high point at the bow downwardly toward the rear portion and having convergent and curved forward edges, longitudinal timbers to opposite sides of the longitudinal center line of the



boat above the bottom sections, an engine frame mounted on said timbers substantially midway of the bottom section, and an air propeller driven by said engine.

1,536,941. BORING AND SCREW-DRIVING TOOL. ALFONSO E. SILLER, Monterey, Mexico. Filed May 6, 1924. Serial No. 711,306. 2 Claims. (Cl. 145—66.)



1. A tool of the type described comprising an elongated body member formed between its ends with a recess entered thereinto from one side thereof, a pinion seated in said recess, a gear mounted on the side of the said body member and meshing with said pinion, a handle fixed to said gear, a square rod extending rearwardly through a complementary passage in said body member from said recess, a flanged cap seated on the rear end of said body member to which said rod is fixed at its rear end, and a ring-nut threaded on the said body member against which the forward end of the said cap bears.

1,536,942. COLUMN-HEAD FRAME. ARTHUR P. SKARR, Buffalo, N. Y., assignor, by mesne assignments, to Kalman Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 13, 1923. Serial No. 668,276. 8 Claims. (Cl. 72—76.)



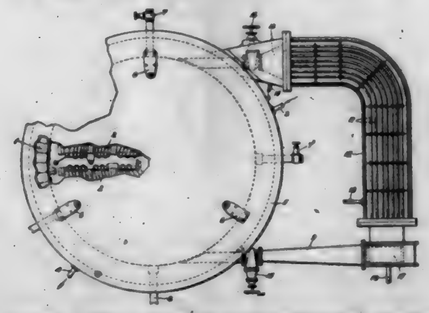
8. A frame for a column head comprising inner and outer truncated conical shells connected together by radial arms integral therewith.

1,536,948. MACHINE FOR COATING SWEETMEATS. ASBJORN SONSTHAGEN, Leytonstone, England. Filed Mar. 15, 1923. Serial No. 625,298. 12 Claims. (Cl. 91—3.)



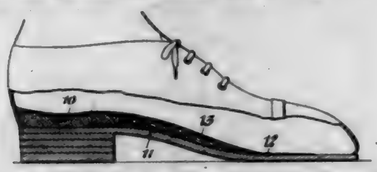
1. In a machine for coating sweetmeats the combination of, an elongate trough for the coating material having a discharge opening extending lengthwise thereof; and a bar positioned in said opening and spaced away from each side of the opening extending the full length of the opening and movable laterally thereof for thereby providing double-stream flow of material through the opening.

1,536,944. METHOD OF CARRYING OUT METALLURGICAL OPERATIONS. CHRISTIAN STRENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed Sept. 23, 1922, Serial No. 590,007. Divided and this application filed Aug. 13, 1924. Serial No. 731,861. 7 Claims. (Cl. 75—17.)



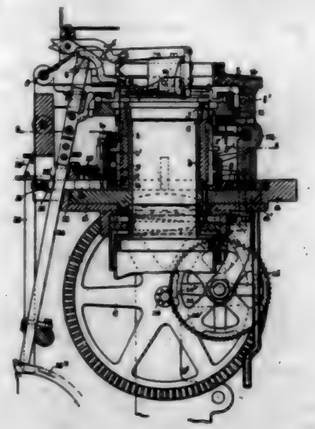
1. The method of carrying out metallurgical operations in an enclosed space which consists in heating a charge in said space in a non-oxidizing atmosphere to a working temperature, and then cooling the charge rapidly while still closed off from the outside atmosphere.

1,536,945. ARCH SUPPORT FOR SHOES. JOHN STROOTMAN, Buffalo, N. Y. Filed July 12, 1924. Serial No. 725,535. 3 Claims. (Cl. 36—71.)



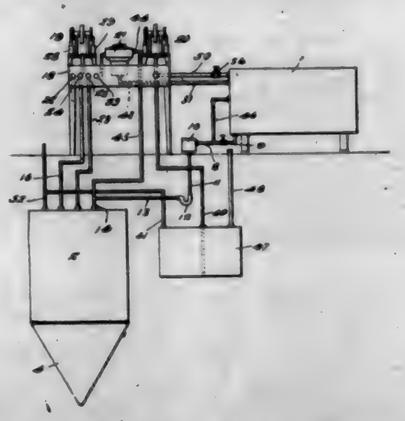
1. A self-adjusting arch support, comprising a cushion conforming to the heel and shank portions of a shoe, and a rigid brace applied to the underside of the cushion, said brace consisting of a comparatively short strip extending lengthwise of the cushion and terminating short of the heel and ball portions of the shoe, the brace being secured to the cushion intermediate the ends of the brace and said ends being disconnected from the cushion, permitting the cushion, when flexed, to slide freely on the detached end portions of the brace.

1,536,946. TUCKING MEANS FOR KNITTING MACHINES. CHARLES J. SUTPHEN, Paterson, N. J. Filed Dec. 13, 1922. Serial No. 606,609. 3 Claims. (Cl. 66—21.)



1. In combination, a cam cylinder having laterally open parallel grooves each formed with an arch, the apex part of that portion of the cylinder which is contained within each arch being removed, latch-clearing cams substantially conforming in shape to the parts thus removed and respectively movable up into and down out of the places from which said parts are removed, two series of knitting instruments having latches and also having butts respectively engaged in said grooves and being arranged in a circular group and alternating with each other, said cylinder having cam means to cause downward stitch-forming movements of said instruments and said cylinder and group of instruments being revoluble one relatively to the other around the axis of the cylinder, and means to move one of the latch-clearing cams up and the other down and then vice versa during rotation as between the cylinder and group of instruments.

1,536,947. CLEANING APPARATUS. EARLE THOMAS, Pocatello, Idaho. Filed June 29, 1923. Serial No. 648,689. 4 Claims. (Cl. 8—8.)



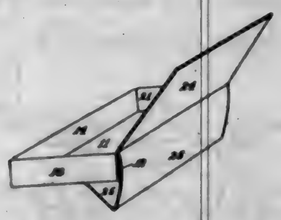
1. In a dry process clothes cleaning apparatus, a washer in which the clothes to be cleaned are placed, a gasoline and sediment tank, a pump for drawing gasoline from the top of the sediment tank and for directing the same into the washer at the top thereof, means for filtering the gasoline before entering the washer, an overflow for the filtering means connected with the sediment tank, an outlet pipe for the bottom of the washer entering and terminating adjacent to the bottom of the sediment tank, and a strainer in said outlet.

1,536,948. ELECTRIC CONDENSER. ELIHU THOMSON, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 24, 1921. Serial No. 472,155. 11 Claims. (Cl. 240—41.)



1. The combination of a casing an insulating liquid therein, a filling tube passing into said casing and condenser elements mounted upon said tube and submerged in the liquid in said casing.

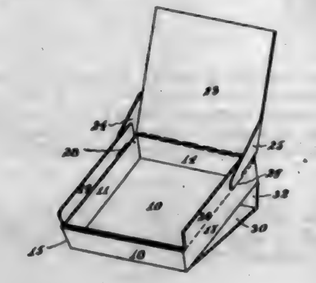
1,536,949. EASEL CARTON. EDWARD O. TINSLEY, Brooklyn, N. Y., assignor to Robert Gair Company, Brooklyn, N. Y., a Corporation of New York. Filed July 1, 1920. Serial No. 393,862. 5 Claims. (Cl. 206—44.)



1. A container formed by folding comprising outer and inner bottoms, the outer bottom having a slit therein lengthwise thereof, end and side walls, and a permanently attached cover adapted to cover the entire top and having a flap end; the cover being foldably connected to one of said outer side walls along the upper line of the side wall, and the flap end thereof, when the cover is not in covering position, being insertible in said slit of the outer bottom for providing an easel rest for the container for displaying the contents thereof.

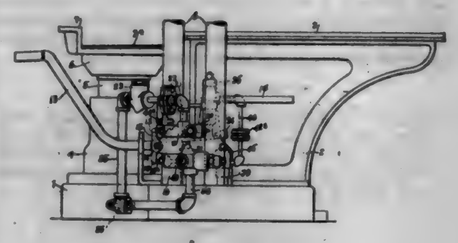
1,536,950. FOLDING DISPLAY CONTAINER. EDWARD O. TINSLEY, Brooklyn, N. Y., assignor to Robert Gair Company, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1922. Serial No. 539,885. 4 Claims. (Cl. 206—46.)

1. A container formed by separate foldable blanks, one of said blanks forming the receptacle portion of the container and the other blank forming a tensioning band for the receptacle portion, the first blank having a bottom section, front and rear wall sections foldably connected to the bottom section along the ends thereof, side wall sections foldably connected to the bottom section along the sides thereof, and a cover section foldably connected along one end to the rear wall section and spaced away from the bottom section by the rear wall section and having foldably connected thereto on each side of one end portion of the cover section locking tabs having lock ends, the second blank having side sections and a front section between the side sections,



the side and front sections being the same width as the side and front wall sections of the first blank and in length being substantially the same as the side wall and front wall sections of the first blank, said side sections having alined side extensions foldably connected to the side sections and having slits in the line of said foldable connections, said side sections having tabs at their outer ends for attachment to the rear wall section of the first blank, said lock ends when said tab ends are so secured being engageable in said slits and said front and side sections then enclosing the receptacle portion on the front and two sides.

1,536,951. CAKE-FORMING MACHINE. RUSSELL A. TRACE, Dayton, Ohio, assignor to Buckeye Iron & Brass Works, Dayton, Ohio, a Corporation of Ohio. Filed July 30, 1924. Serial No. 729,070. 10 Claims. (Cl. 136—17.)



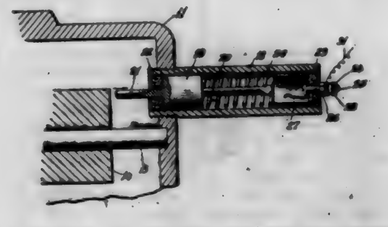
1. In a former, the combination with a ram, a low pressure accumulator and a high pressure accumulator, with pipe line connections between them and the ram, of a low pressure valve between the low pressure accumulator and the ram, a high pressure valve between the high pressure accumulator and the ram, a low pressure actuator adapted to open the high pressure valve, and a high pressure actuator adapted to permit the high-pressure valve to close.

1,536,952. METHOD OF PROTECTING THE SURFACES OF METAL MOLDS. STANLEY M. UDALE AND DANIEL H. MELOCHE, Detroit, Mich., assignors to George M. Holley, Detroit, Mich. Filed May 6, 1922. Serial No. 559,076. 4 Claims. (Cl. 22—189.)



1. The means for protecting the surface of permanent metal molds in which metals are cast, having a casting temperature in excess of 2000° F., which consists in subjecting the surface of the mold to the action of a blow torch, to the flame of which a refractory powder is fed.

1,536,953. SWITCH. MARION C. WATERS, Brookfield, Mo. Filed Apr. 22, 1921. Serial No. 463,442. 1 Claim. (Cl. 200—159.)



In a device of the character described, the combination of an outer tubular switch casing, a tubular insulating plug closed at one end and removably engaged in one end of the casing closing the casing at said end thereof, a switch member mounted upon the closed end of said plug and housed within the lines thereof, a closure plug removably engaged in the opposite end of the casing, a plunger conforming to the internal diameter of the casing and slidable in said casing, the plunger being provided at one end with a reduced plunger rod projecting freely through the latter plug and at its opposite end with a reduced alined contact rod to cooperate with said switch member, and a spring bearing between the inner end of said first mentioned plug and the plunger normally holding the plunger retracted.

1,536,954. ELECTRIC CONDENSER. BERTEL R. WESTERN, Chicago, Ill., assignor to Reliance Die & Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 28, 1924. Serial No. 709,515. 4 Claims. (Cl. 250—41.)



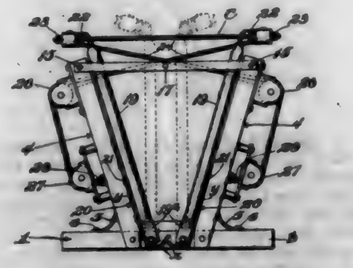
1. An electric condenser whose sides are formed of plates and a plate support having a plate receiving groove whose sides inwardly converge.

1,536,955. CHURN-OPERATING MECHANISM. WILLIAM J. WEST, El Paso, Ark. Filed Oct. 30, 1924. Serial No. 746,905. 2 Claims. (Cl. 74—14.)



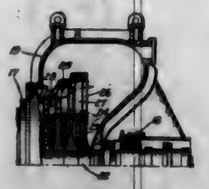
1. In an apparatus of the class described, a stationary support, a drive wheel mounted on said support and having a plurality of apertures, spaced at varying distances from the center of the wheel, a crank pin alternately insertible in the apertures of said drive wheel spaced brackets extending from said support and each including a bearing, a rod movable through said bearings and adapted to be coupled to the device to be reciprocated, a cross head member adjustably coupled to said rod and having studs extending from its opposite ends, and connecting rods journalled at one end respectively upon said studs and journalled at their other ends to said crank pin.

1,536,956. RESTRAINING DEVICE. ALGIE WIDRELS, Wolbach, Nebr. Filed Oct. 14, 1924. Serial No. 743,582. 1 Claim. (Cl. 119—99.)



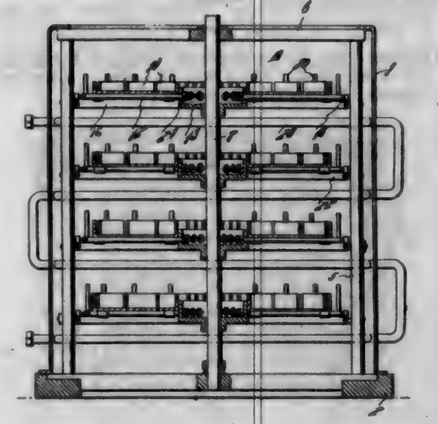
A restraining device of the class described comprising a trough open at its opposite ends and top, a pair of upstanding holding arms pivotally supported by the bottom of the trough at one end thereof, springs carried by the pivoted end portions of the arms for moving said arms in a direction one away from the other, said springs having inwardly disposed extensions coacting one with the other to limit the inward movement of the arms, and means for moving said arms inwardly one with respect to the other.

1,536,957. ELASTIC-FLUID-TURBINE NOZZLE STRUCTURE. JAMES WILKINSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 27, 1923. Serial No. 654,234. 6 Claims. (Cl. 253—69.)



1. The combination with an elastic fluid prime mover having alternate nozzles and buckets forming a working passage through which an elastic fluid stream is constrained to flow, of means in said working passage including certain of said nozzles for effecting a division of said elastic fluid stream and transposition of the divided portions thereof.

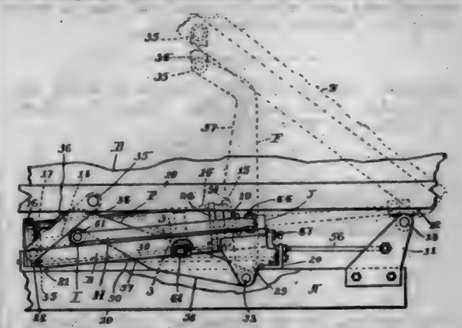
1,536,958. COTTON DRIER. EMIL WUNDERLICH, Yorktown, Tex. Filed July 22, 1924. Serial No. 727,570. 3 Claims. (Cl. 34—15.)



1. A device of the class described comprising a casing, a vertically arranged shaft therein, a plurality of trays attached to the shaft, a track associated with each tray, each track being of annular construction with its ends spaced apart and with one end being arranged at an incline, each tray being composed of tiltable sections, a roller connected with each section and engaging the track and means for tilting each section as the roller leaves one end of the track and each section being returned to horisontal position by its roller running up the inclined portion of the track.

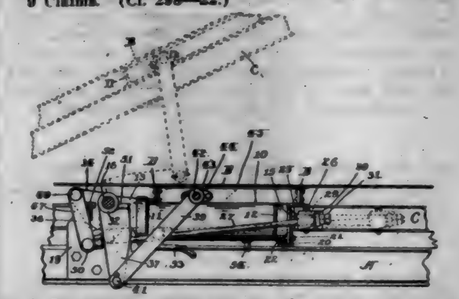
1,536,959. HOIST FOR VEHICLE DUMP BODIES. MELVIN SWARTOUT MARTIN, Minneapolis, Minn., assignor to Grant Waldref, St. Paul, Minn. Filed Apr. 12, 1921. Serial No. 460,759. Renewed Feb. 2, 1925. 16 Claims. (Cl. 298—22.)

1. In combination with a vehicle chassis having hinge elements near its opposite sides, a body mounted upon said hinge elements to tilt upwardly, a ram having its piston movably connected with the body to tilt the body upwardly, and having the outermost end of its cylinder movably mounted upon said chassis to turn, and tie rods coupled to the innermost end of the cylinder and to



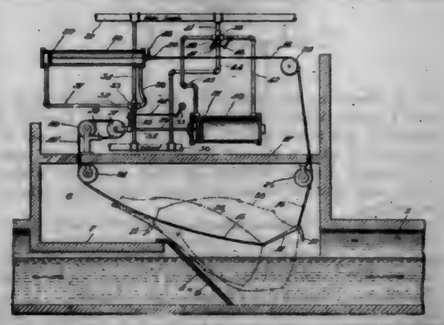
said hinge elements adapted to support a portion of the effort of the cylinder and relieve strain upon the chassis during the upward tilting movement of the body.

1,536,960. HOISTING MECHANISM FOR TILTING BODIES OF DUMP VEHICLES. MELVIN S. MARTIN, Minneapolis, Minn., assignor to Grant Waldref, St. Paul, Minn. Filed Mar. 26, 1923. Serial No. 627,562. 9 Claims. (Cl. 298—22.)



1. In a machine of the class set forth, a chassis frame, a dump body movably mounted thereon to tilt, a rocker member on said frame connected with said body to tilt the latter upwardly when turned in one direction and lever means for turning said rocker element having a shifting movement from a long lever to a shorter one after the body is partially tilted.

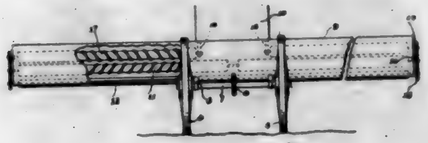
1,536,961. AUTOMATIC SEWAGE-SCREEN RAKE. HENRY L. MCMILLAN, Chicago, Ill. Filed Apr. 28, 1923. Serial No. 635,249. 11 Claims. (Cl. 210—176.)



7. In an apparatus of the character described, the combination of a sewer rake, a plurality of cables attached thereto near the opposite ends thereof and en-

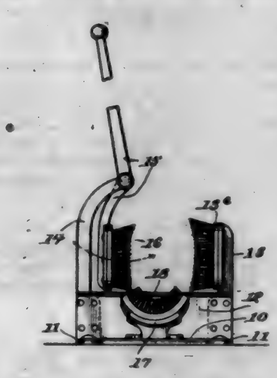
tirely supporting the rake, pulleys over which said cables are trained, and hydraulic means for automatically manipulating said cables to cause said rake to travel bodily in a generally horizontal orbit.

1,536,962. SEED PLANTER. CHARLES B. MOORE, Mattoon, Ill. Filed Apr. 9, 1924. Serial No. 705,401. 1 Claim. (Cl. 275—2.)



An apparatus for the purpose set forth comprising a frame, an axle and wheels supporting the frame, a stub tongue projecting from the front side of the frame at the center thereof, means for detachably coupling the tongue to the rear end of a vehicle, a distributing hopper secured transversely upon the frame and extending laterally beyond the sides of the same, a receiving hopper mounted centrally upon the distributing hopper, a dropping shaft extending laterally from the frame in the bottom of the distributing hopper, distributing augers mounted in the distributing hopper immediately above the dropping shaft and parallel therewith, evener augers mounted in the lateral portions of the distributing hopper immediately above the distributing augers, trains of gearing connecting the ends of the dropping shaft with the outer ends of said augers, and gearing connecting the dropping shaft with the frame-supporting wheels.

1,536,963. SHOE-CLEANING DEVICE. HENRY H. MOORE, Floodwood, Minn. Filed Feb. 5, 1924. Serial No. 690,842. 3 Claims. (Cl. 15—112.)



1. A device of the character described comprising a base, a brush rigidly secured upon one end thereof, a bracket on the other end of the base, a lever pivoted on said bracket, and a second brush carried by said lever and movable thereby toward or from the first named brush, said brushes being arranged with their bristles confronting.

1,536,964. COMPOUND FOR TREATING STEEL. FRITZ NETZ, Marysville, Kans. Filed Aug. 5, 1924. Serial No. 730,245. 2 Claims. (Cl. 148—29.)

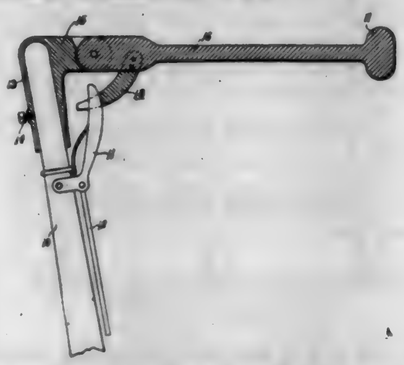
1. A metal treating compound of the character set forth, comprising a mixture of laundry soap, brown sugar, old style cut tobacco, potassium cyanide, beef tallow and water, substantially as set forth.

1,536,965. MONEY BELT. BENJAMIN H. OCKER, Marion, Pa. Filed Nov. 9, 1923. Serial No. 673,832. 10 Claims. (Cl. 224—26.)



1. A belt of the class described comprising a receptacle adapted to be carried around a person's body, metallic reinforcing bands along the entire length of the receptacle, clasps for the receptacle, and means adapted to secure valuables in the receptacle.

1,536,966. BRAKE EXTENSION. THOMAS J. O'LEARY, St. Paul, Minn. Filed Nov. 2, 1923. Serial No. 672,385. 2 Claims. (Cl. 74—39.)

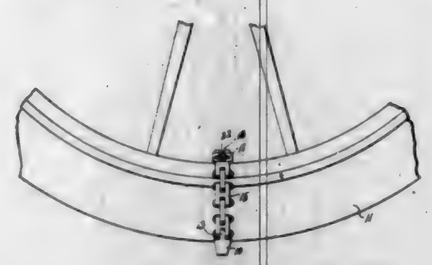


1. The combination with a brake control lever including a pivotally mounted release element, of an extension attachment comprising a sleeve like member adapted to be slipped over the upper end of the lever, a threaded element carried by the sleeve and adapted to engage said lever to hold the parts fixed relatively, a projection on said sleeve, an extension rod pivoted on said projection and arranged substantially at a right angle to said lever, and a yoke depending from said rod and embracing said release element, to support the rod in its normal position and to actuate the release element when pressure is exerted upon the rod.

1,536,967. EXTRICATING DEVICE. FELIX PALAO, New Orleans, La. Filed Nov. 8, 1924. Serial No. 747,504. 1 Claim. (Cl. 152—14.)

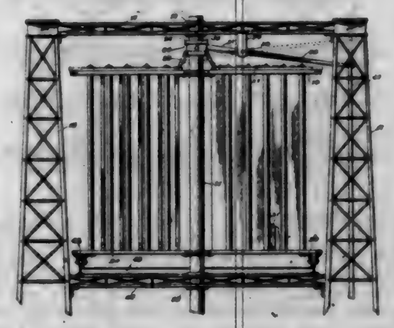
An automobile extricating device comprising a block adapted to be arranged transversely of the tire, chains pivoted on said block adjacent the ends thereof and adapted to embrace the tire and felly of the vehicle,

a substantially H-shaped link pivoted on the free end of one of the said chains, and having aligned grooves, a substantially U-shaped element adapted to embrace said link and having its transverse portion received by said



grooves, said portion having a central opening, a threaded shank carried by the free end of the other chain and adapted to pass through said opening, and a nut adapted to be threaded on said element for holding certain parts associated.

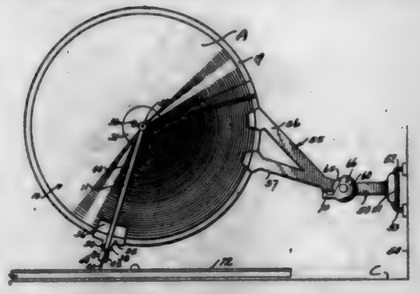
1,536,968. WIND MOTOR. PER W. PALM, Baudette, Minn. Filed June 12, 1924. Serial No. 719,593. 2 Claims. (Cl. 170—26.)



2. In a wind motor, a vertical shaft, upper and lower arms secured to and projecting laterally from the shaft, a series of connecting bars secured rigidly to and extending between the arms, a plurality of pivots mounted in and between the arms and extending beyond one of the arms, blades secured to the pivots and having their free edge portions arranged to abut the connecting bars, lateral projections on the extended ends of the pivots, a slide mounted on the adjacent arm between the same and the projections on the pivots, said slide having longitudinal slots receiving the extended ends of the pivots, stops on the slide to be engaged by the respectively adjacent projections, and means for operating the slide.

1,536,969. PHONOGRAPH REPRODUCER. JERRY PAVER, Chicago, Ill. Filed Feb. 19, 1924. Serial No. 693,875. 4 Claims. (Cl. 274—25.)

1. A reproducer comprising a pair of substantially conical shaped diaphragms each formed of a segmental sheet of material centrally bulged into a conical shape with the side edge portions of the same in meeting and



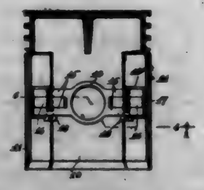
secured relation, said diaphragms being peripherally connected to provide a closed compartment therebetween, and stylus means supported by said diaphragms.

1,536,970. BUNDLING YARN AND DYEING SAME. BENJAMIN S. PHETTEPLACE, Greenville, S. C. Filed Dec. 22, 1924. Serial No. 757,439. 4 Claims. (Cl. 8—19.)



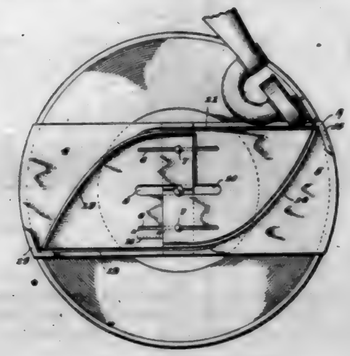
3. The combination with an open body core for a yarn bunch, of an impervious sheet of paper completely enveloping said core and having the ends thereof overlapping, said sheet provided throughout with spaced perforations, the marginal portion of one face at one of said ends provided with an adhesive substance for securing said ends together in overlapped position to maintain the cover on the core.

1,536,971. PISTON. HOWARD W. PIERCE, Butte, Mont. Filed Apr. 29, 1924. Serial No. 709,856. 3 Claims. (Cl. 74—108.)



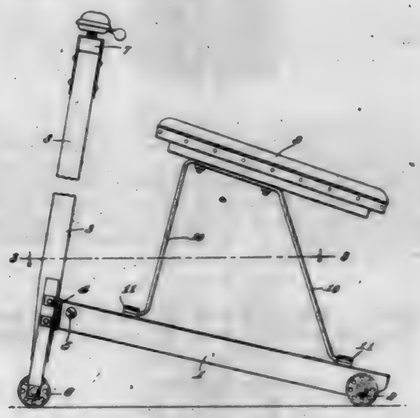
1. A piston including sections combining to form a body portion having an open end, one of said sections being provided with aligned bearings and each bearing having spaced lateral extensions, the other section also having a lateral extension interposed between the extensions of each bearing, and means capable of being introduced through the open end of said body portion and projected through said extensions to secure the sections of the piston together.

1,536,972. PHONOGRAPH-RECORD REPLAYER. B JEAN RALEIGH, Washington, D. C. Filed July 20, 1922. Serial No. 576,307. 7 Claims. (Cl. 274—15.)



2. An adjustable record replayer comprising two members having slots therein permitting longitudinal adjustment of said members, and there being a longitudinal stylus slot in each of said members, and raised portions on each of said members adapted to guide the stylus from the slot on one member to the slot in the other member.

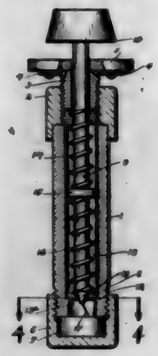
1,536,973. CHILD'S VEHICLE. MONDEST C. RICHARDS, Flint, Mich. Filed May 18, 1923. Serial No. 639,918. 1 Claim. (Cl. 208—165.)



A device of the class described comprising a base, wheels at the rear end thereof, a steering post, a vertically arranged hinge connected with the post and pivoted to the front end of the base, a wheel at the lower end of the post, a handle at the upper end thereof, a seat, a spring member for supporting the same and clips on the base for receiving the extremities of the supporting member.

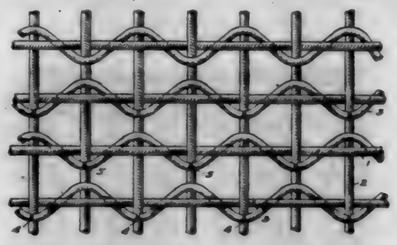
1,536,974. CRYSTAL DETECTOR. GEORGE A. ROSENFELDER, Pittsburgh, Pa. Filed Mar. 3, 1924. Serial No. 696,608. 4 Claims. (Cl. 250—31.)

1. In a device of the character described, a barrel of electrical insulating material, a rod of electrical conducting material extending through the barrel, a crystal supported at one end of the barrel, said rod being provided with a member disposed to contact with the crystal, resilient means for forcing the rod in one direction, resilient means for forcing the rod in the other



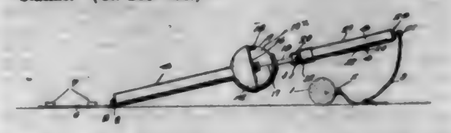
direction, and positively acting means for exerting pressure on the resilient means for forcing the rod in said other direction.

1,536,975. PILE FABRIC. HENRY RUEGG, Jr., Weehawken, N. J. Filed Jan. 12, 1923. Serial No. 612,304. 1 Claim. (Cl. 139—402.)



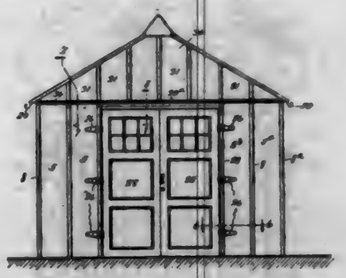
A pile fabric, comprising a fabric body having warp and weft threads, and a pile thread for each warp thread, said pile threads being arranged in pairs and passing over each second weft thread at adjacent points and intermediate weft threads at spaced points with the two warp threads therebetween, said pile threads being severed at each alternate weft thread, one pile thread being severed adjacent one weft thread and the next pile thread being severed at the next weft thread so that the point of severing of the respective pile threads will be offset.

1,536,976. GOLF APPARATUS. ANTON SAGL, Adams, Nebr. Filed Apr. 7, 1924. Serial No. 704,846. 3 Claims. (Cl. 285—21.)



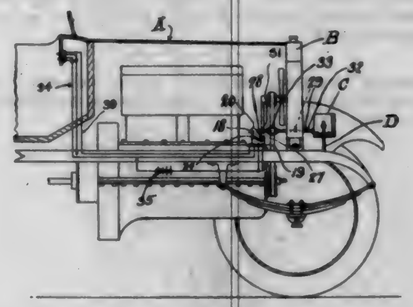
1. In a golf apparatus, means including a cup and adapted to be anchored to the ground or to an appropriate surface, a ball in said cup, a retractile spring connected with said ball and said means, a cup receiving the ball and interposed between the ball and the first-named cup, and a captive golf ball connected with the second-named cup.

1,536,977. SHEET-METAL BUILDING. WALTER SKIPWORTH, Cleveland, Ohio, assignor, by mesne assignments, to Marion Machine, Foundry & Supply Company, Marion, Ind., a Corporation of Indiana. Filed Dec. 23, 1921. Serial No. 524,518. 10 Claims. (Cl. 189—2.)



1. In a sheet metal building of the character set forth, the combination with a sill, of a sheet metal sill cover fastened thereto, said cover being provided with a vertically disposed sheet metal fin projecting upwardly therefrom, said fin being formed by bending the metal of said cover upon itself and wall panels engaging said fin and secured thereto.

1,536,978. HEADLAMP-CONTROL DEVICE. GEORGE H. SOLDANI, Ponca City, Okla. Filed May 8, 1924. Serial No. 710,848. 2 Claims. (Cl. 240—41.)



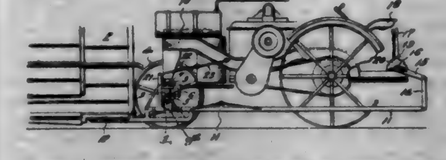
1. In an apparatus of the character described, headlamps mounted upon a vehicle, vertically tiltably mounted reflectors within the headlamps, depending arms extending from the reflectors, a casing located beneath the hood of the vehicle, a rock shaft journaled through said casing and having crank arms connected with said first named arms, an arm on the rock shaft located within the casing and carrying an armature, a spring within the casing, and a pair of electromagnets mounted within said frame in vertically spaced relation and having cores located above and below the armature whereby upon energization of a selected electromagnet the last named arm will be swung to rock the shaft and tilt the reflectors.

1,536,979. PANEL-BOARD INSTALLATION. WILLIAM A. STACEY, Chicago, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed May 25, 1922. Serial No. 563,052. 6 Claims. (Cl. 147—10.)

1. In a multi-unit panel installation, a casing, a plurality of juxtaposed cut-out units mounted within the casing, a protective cover for each unit, an extension for the cover of the end unit, and means adjustably securing said extension to said cover in a plane substantially parallel with the latter and in extension thereof to overlie conductors extending beyond the end of the installation.



1,536,980. TRACTOR ATTACHMENT. AUGUST STOLTENBERG, Holyrood, Kans. Filed Sept. 13, 1922. Serial No. 588,013. 3 Claims. (Cl. 56—22.)



1. The combination in a tractor, of a frame, a front axle connected with the tractor frame and equipped with steering wheels, longitudinal levers carried by the said axle and extending in front and rear thereof, manually-controlled means mounted on the tractor frame and connected with the rear arms of the levers for the adjustment and adjustable fixing of the levers, means extending upwardly from and fixed to the forward arm of one lever, and cushioning means interposed between and connected to the said upwardly extending means and the tractor frame.

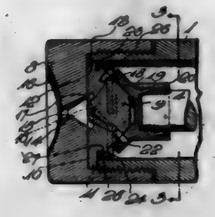
1,536,981. SPRING CONNECTION. ELVIN W. STOSSEL, Asbury Park, N. J. Filed Sept. 15, 1924. Serial No. 737,872. 2 Claims. (Cl. 267—54.)



1. A spring, and means to secure the same, said means comprising sockets, balls in said sockets and capable of universal movement therein, shanks rigid with the balls disposed at the sides toward the ends of the spring forks on the outer ends of the shanks, said forks presenting one arm longer than the other, shackles securing the ends of the main leaf of the spring to the

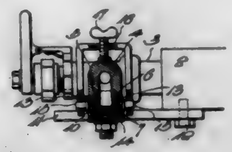
longer arm of the fork, said ends of said leaf extending between the members of the fork and each end disposed in line with the axis of the adjacent shank and ball, and bolts fastening both the longer and shorter arms of the forks and the respective ends of said spring together.

1,536,982. FLUID ATOMIZER. CHRISTOPHER STRACHAN, South Orange, N. J., and DAVID J. IRISH, St. George, Staten Island, N. Y., assignors to Morse Dry Dock & Repair Co., New York, N. Y., a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,704. 4 Claims. (Cl. 299—113.)



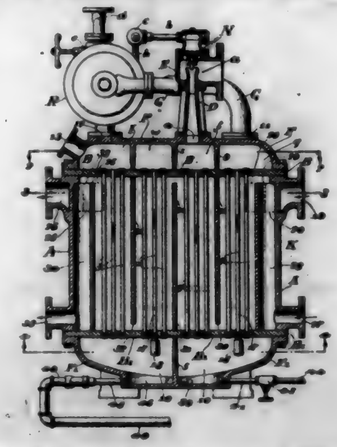
1. An atomizer comprising a tubular body having a fluid inlet, a head for the front end of said body provided with a rearwardly projecting peripherally circular rear end, said head having a chamber between its ends, an outlet orifice from the front end of said chamber and tangential ports leading to said chamber from circumferentially spaced points on the periphery of said rear end, a valve member within said tubular body having an annular portion surrounding said peripherally circular rear end of said head and contacting with the peripheral surface thereof, said annular portion of said valve member having ports from its outer to its inner side adapted for registration with said tangential ports, swivel-forming means connecting said annular portion of the valve member directly with the peripheral portion of said rear end of said head and holding said annular portion and head against relative axial movement, and a stem extending into the aforesaid tubular body and operatively connected with said valve member for rotating the latter.

1,536,983. OIL PIPE AND BURNER COUPLING. CHRISTOPHER STRACHAN, South Orange, N. J., and DAVID J. IRISH, St. George, Staten Island, N. Y., assignors to Morse Dry Dock & Repair Co., New York, N. Y., a Corporation of New York. Filed Jan. 5, 1923. Serial No. 610,883. 4 Claims. (Cl. 158—73.)



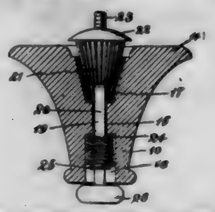
3. In combination, a burner having a coupling member offset from the longitudinal axis of said burner, an inner bracket section adapted to be rigidly secured to a support through which the burner may be adjusted, said bracket section having a slot parallel with the burner axis, an outer bracket section having a shoe and a clamping bolt passing adjustably through said slot, an oil pipe having a coupling member carried by said outer bracket section, and a clamp releasably securing the two coupling members together.

1,536,984. FLUID-COMPRESSING APPARATUS. ROBERT SUCHER, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 23, 1923. Serial No. 614,364. 52 Claims. (Cl. 230—13.)



1. Combined ejector-condenser structure comprising an ejector, a condenser comprising a series of groups of tubes through which said ejector discharges in succession, a condenser shell common to and enclosing said groups of tubes, means for passing a cooling medium through said shell counter-current to a part of said groups of tubes, and means for passing a second cooling medium through said shell independently of said first named medium counter-current to another part of said groups of tubes.

1,536,985. CAMERA TRIPOD. RALPH SWINFORD, Los Angeles, Calif. Filed Nov. 7, 1923. Serial No. 673,321. 2 Claims. (Cl. 248—46.)

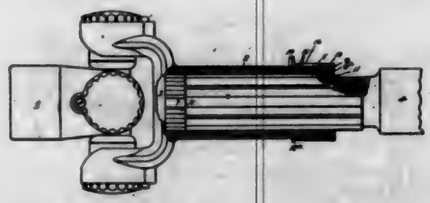


1. A camera supporting tripod comprising a body formed with a bore and chambers at the ends of the bore, legs connected with the body, a stem slidable through the bore and terminating in a threaded extension adapted to engage within a socket in a camera, a spring located within the lower chamber and connected with the stem for normally urging the same downwardly, and a clutching head on the stem fitting within the upper chamber; the uper chamber being frusto-conical and toothed, said head being correspondingly shaped and having a toothed periphery.

1,536,986. PACKING FOR SPLINE CONNECTIONS OF UNIVERSAL JOINTS AND THE LIKE. WILLIAM H. THIEMER, Cleveland, Ohio, assignor to himself, Frederick W. Peters, and J. H. Wills, all of Cleveland, Ohio. Filed May 12, 1921. Serial No. 468,816. 4 Claims. (Cl. 286—5.)

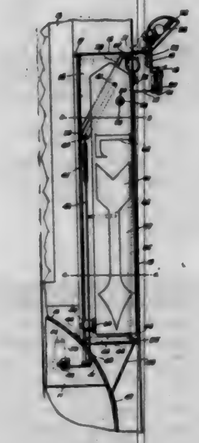
1. The combination, with a shaft having a plurality of ribs extending longitudinally thereof and recesses between such ribs, of a hub surrounding the said shaft

and having ribs and recesses complementary to those upon the shaft, a washer of compressible material upon the shaft and shaped to fit the ribs and recesses thereof,



and means connected to said hub and contacting with the said washer and the projections thereof within the recesses on the shaft, for compressing the said washer against the end of said hub.

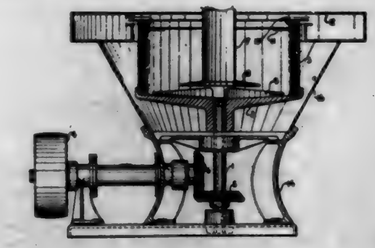
1,536,987. AUTO SIGNAL DEVICE. GEORGE E. THIMMES, Mechanicsville, Iowa. Filed Oct. 14, 1924. Serial No. 743,529. 3 Claims. (Cl. 116—53.)



1. An auto signaling device comprising a casing open at one side, a plurality of indicating arms pivoted in the top of the casing and adapted to normally hang down within the casing; and a combined guard and spacing member pivotally secured to the lower end of the casing and adapted to be swung upwardly into the casing, said member having slots therein adapted to receive the indicating arms and through which said arms may be operated, and a cover for the casing arranged to overhang the upper end portion of said member for holding said member in raised position in the casing.

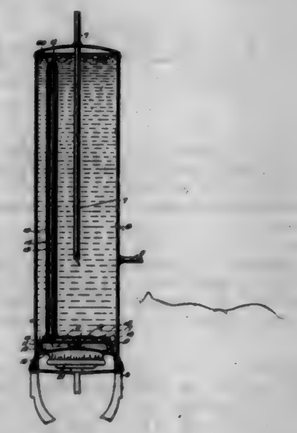
1,536,988. PROCESS FOR FREEING PAPER PULP FROM IMPURITIES. HERMANUS THOMASSEN, Heelsum, Netherlands. Filed Feb. 16, 1924. Serial No. 693,270. 3 Claims. (Cl. 92—28.)

2. In a process for removing impurities and knots or the like from paper pulp and other fibrous material, supplying the pulp continuously to a centrifugal separator, rotating the separator at a speed sufficient to cause the pulp to accumulate in a cylindrical layer and to cause the knots or the like and the heavy impurities to accumulate at the outer surface of the layer, retaining the said knots and impurities in the separator, retaining the lighter impurities at the internal surface



of the layer of pulp, and discharging from between the outer and inner surfaces of the said layer purified pulp free from impurities and knots or the like.

1,536,989. STAND BOILER AND WATER HEATER. ALBERT H. TRAGESER and LOUIS HASSINGER, New York, N. Y. Filed Sept. 15, 1923. Serial No. 662,955. 1 Claim. (Cl. 122—18.)

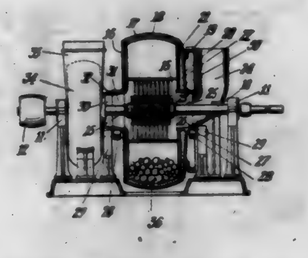


An attachment for stand boilers comprising an inverted dome-shaped member mounted upon the bottom wall of the boiler with its side walls provided with openings and spaced with respect to the side walls of the boiler, a circulating pipe propecting upwardly from said inverted dome-shaped member, a wall supported upon the top of said dome-shaped member and in spaced relation thereto to provide an intervening chamber, a tubular extension projecting from said wall and surrounding said circulating pipe, the tubular extension being secured to the circulating pipe at the upper end thereof, the space between the circulating pipe and the tubular extension and the wall and the inverted dome-shaped member being filled with a heat-insulating material.

1,536,990. MACHINE FOR GRINDING AND PULVERIZING FRIABLE SUBSTANCES. JOHANNES PIETER VAN GELDER, Granville, near Sydney, New South Wales, Australia. Filed May 24, 1924. Serial No. 715,610. 4 Claims. (Cl. 83—9.)

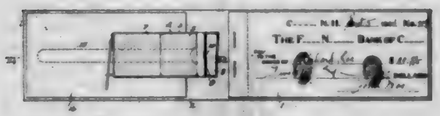
1. In a grinding mill of the type set forth, an outer mill chamber, a central beater chamber in the mill, and

cellular pockets in one head of the mill body, the inner wall of said pockets being perforated with holes splayed



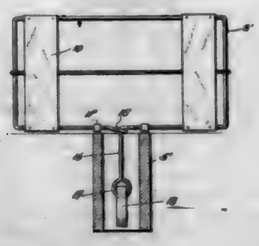
outwardly and the said inner wall being vented into the said central beater chamber.

1,536,991. CHECK PROTECTOR. ARRIGO VARETONI, Clifton, N. J. Filed Oct. 9, 1924. Serial No. 742,697. 8 Claims. (Cl. 91—54.5.)



2. An attachment of the character described comprising a casing, an inking pad in one end of the casings, and a perforated compressible receptacle adapted to contain cleansing material in the other end of the casing.

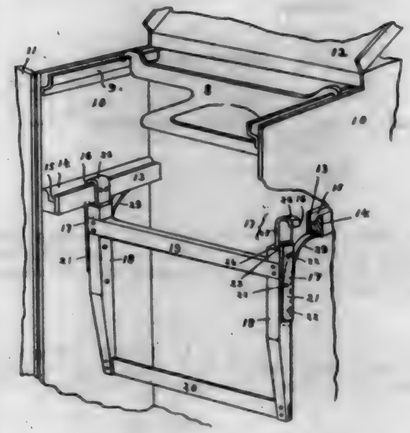
1,536,992. AUTOMATIC GATE. JOSEPH R. WALLACE, San Angelo, Tex., assignor of one-half to James F. Price, San Angelo, Tex. Filed Nov. 3, 1923. Serial No. 672,536. 1 Claim. (Cl. 39—5.)



An automatic gate including a movably mounted gate frame composed of a single strand of wire one end of which depends below the plane of the gate frame and is equipped with a weight to normally hold the gate in a vertical position.

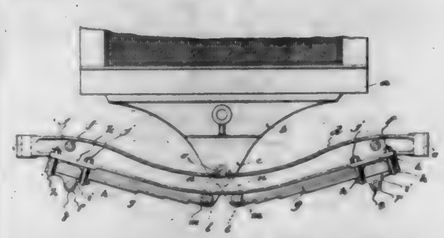
1,536,993. CLOTHES-RETAINING RACK. ALBERT W. WINSHIP, Utica, N. Y., assignor to W. W. Winship & Sons, Inc., Utica, N. Y., a Corporation. Filed Aug. 28, 1924. Serial No. 734,576. 3 Claims. (Cl. 190—36.)

1. The combination with a wardrobe trunk of a pair of horizontally arranged slideways spaced from the inner sides of the trunk, a clothes retaining rack, clutches secured to the rack and slidingly mounted on said slideways, said clutches being adapted to bindingly engage



the slideways when the bottom of the rack is swung outwardly relative to its top, and springs mounted on said rack tensioned to swing its bottom outwardly.

1,536,994. VEHICLE SPRING. JAMES G. WINSOR, Detroit, and SEIZO HATASHITA, Ann Arbor, Mich. Filed June 30, 1923. Serial No. 648,645. 7 Claims. (Cl. 280—112.)



1. In a vehicle spring suspension, the combination of a chassis frame provided at the front with a supporting bracket depending below the centers of the front wheels, an axle having its central portion bowed outwardly, a pair of spring members anchored to the under side of the axle near the ends thereof and extending inwardly substantially perpendicular to the axis of the chassis frame and below the level of the axle, and means for connecting the inner end of each spring member to the depending bracket carried by the chassis frame in the space made by the bowing of the axle.

1,536,995. VEHICLE SPRING SUSPENSION. JAMES G. WINSOR and SEIZO HATASHITA, Detroit, Mich. Filed Aug. 3, 1923. Serial No. 655,405. 4 Claims. (Cl. 280—112.)

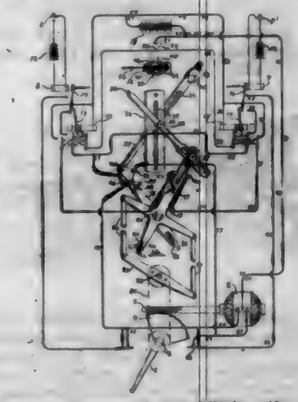
1. In a vehicle spring suspension, the combination of a chassis frame, an axle, a pair of inwardly and downwardly extending leaf spring members, each having one

end secured to the axle near the end thereof, and a fixture rigidly secured to the chassis frame, the free



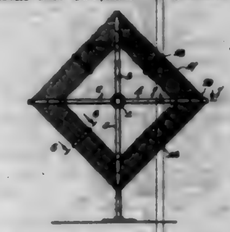
end of one of the spring members pivotally secured to said fixture and the free end of the other spring member slidably secured to said fixture.

1,536,996. AUTOMATIC STEERING SYSTEM FOR SHIPS. OSKAR EDVIN WIBERG, Stockholm, Sweden, assignor of one-half to Knut Steinmetz, London, England. Filed July 7, 1922. Serial No. 573,430. 12 Claims. (Cl. 172—8.)



1. A control system for stabilising the course of a ship upon a change of the course comprising a steering machine, means for causing the steering machine to shift the rudder to one or the other side, means for causing a return movement of the rudder beyond its middle position before it is finally restored to the middle position, and means under the control of the rudder for limiting said return movement in proportion to the shifting angle of the rudder.

1,536,997. LOOP-ANTENNA-FRAME CONSTRUCTION. ALBERT E. WYATT, Jersey City, N. J. Filed Mar. 13, 1924. Serial No. 699,064. 6 Claims. (Cl. 250—33.)



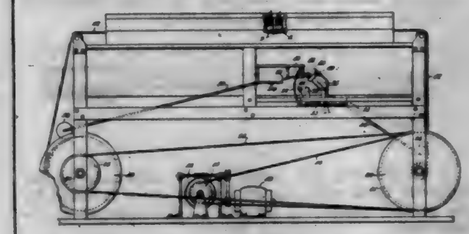
1. A loop antenna frame construction, which comprises a plate, a plurality of antenna supporting arms radiating from said plate and pivoted thereto, and means on the arms adapted to automatically lock the arms to the plate when the arms are moved to normal expanded position.

1,536,998. SWEATBAND FOR HATS. HOWARD ERNEST ALDRICH, Middletown, N. Y. Filed May 11, 1922. Serial No. 638,900. 3 Claims. (Cl. 2—181.)



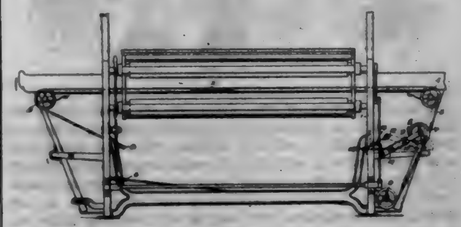
1. As a new article of manufacture, a sweat band for hats comprising a strip of semi-flexible material, initially of flat arcuate formation, and a relatively stiff resilient element secured to the outer edge of the strip for securement in substantially ring form within the head receiving opening to produce in the strip an annular inwardly projecting bulged head engaging portion substantially at its point of juncture of the sweat band with the hat.

1,536,999. CONTROLLING SWITCH. FEDERICO ZORRILLA BARRUNDIA, Guanajuato, Mexico. Filed Apr. 25, 1924. Serial No. 708,996. 8 Claims. (Cl. 200—46.)



1. The combination with an apparatus including a pair of reels, a tape or strip connected at its opposite ends for alternate winding of the same from one to the other and reversible driving mechanism, of means operable by the amount of tape left on that one of the reels from which the same is being unwound, for reversing the driving mechanism.

1,537,000. PLUSH-LOOM-CUTTER STOP. WILLIAM BELLMAR, Astoria, N. Y., assignor to Astoria Silk Works, Long Island City, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 641,474. 2 Claims. (Cl. 139—336.)



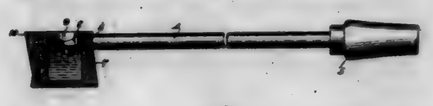
1. The combination with a plush loom provided with a cutting mechanism formed with a cable or ligament and a stop motion for the loom provided with a number of connectors for closing the electrical circuit used in stopping the loom, of a member normally supported by said ligament, and a plurality of means connected with said member and operated and with one of said connectors thereby when said ligament permits said member to move downwardly, said downward movement resulting in a sufficient operation for said members to move one of said connectors into operative position.

1,537,001. SAFETY VALVE FOR GAS JETS AND THE LIKE. HERBERT BENVIE, Meriden, Conn., assignor of one-half to Russell H. White, Meriden, Conn. Filed Jan. 6, 1922. Serial No. 527,526. 3 Claims. (Cl. 284—13.)



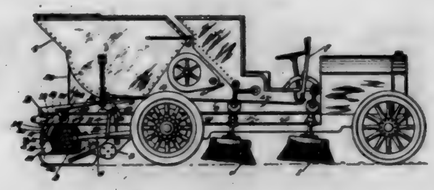
1. A safety valve comprising a casing having a passage therethrough, one end of the casing being constructed for receiving a hose, a valve seat mounted in the casing, a spring-controlled plunger movably mounted in the casing normally coacting with the valve seat to close the casing passage, means carried by the plunger for engaging the casing to retain the plunger in an inactive position, and means movably mounted on the casing capable of operation by the movement of the hose for releasing the plunger.

1,537,002. SOLDERING POT. GEORGE WILLIAM BRADLEY, St. Louis, Mo. Filed May 26, 1924. Serial No. 716,039. 5 Claims. (Cl. 22—86.)



1. A soldering pot comprising a receptacle having relatively thick walls and an opening which is round for the greater portion of its depth and elliptical at its outer end.

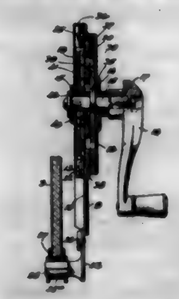
1,537,003. STREET SWEEPER. LLEWELLYN F. BRYANT, Lynn, Mass., assignor to The Springfield Motor Sweeper Company, Springfield, Ohio, a Corporation of Ohio. Filed Jan. 8, 1923. Serial No. 611,482. 5 Claims. (Cl. 15—83.)



4. In a sweeper of the character described, the combination with a horizontally-disposed sweeping broom, a casing arranged in yielding relation with the bristles of said broom at the rear thereof, said casing being formed in hinged sections, a hand lever and connections therefrom to said broom for elevating the same, and an additional connection to said casing for elevating said casing simultaneously with said broom.

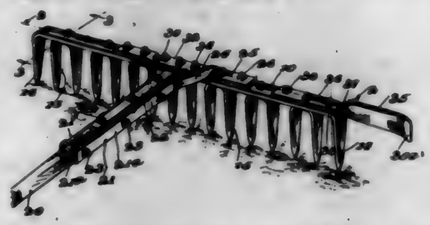
1,537,004. SASH-REGULATING DEVICE. GUSTAVE A. CARLSON, Detroit, Mich. Filed Jan. 14, 1924. Serial No. 685,978. 9 Claims. (Cl. 192—15.)

1. A clutch for a sash regulating device including an arbor, a wheel, and a flexible member adapted for raising and lowering a sash:—said clutch being adapted for holding the sash and flexible member in an adjusted position, said clutch comprising a fixed outer clutch member, an arbor actuated inner clutch member normally engaging said fixed outer clutch member, and locking members interposed between said wheel and said inner clutch



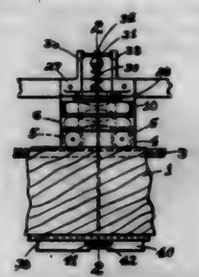
member normally establishing a driving relation for said wheel by said arbor and precluding any driving of said arbor by said wheel.

1,537,005. RAKE ATTACHMENT. HARRY CLAY CARSON, Cheviot, Ohio. Filed Feb. 24, 1923. Serial No. 620,995. 1 Claim. (Cl. 55—10.)



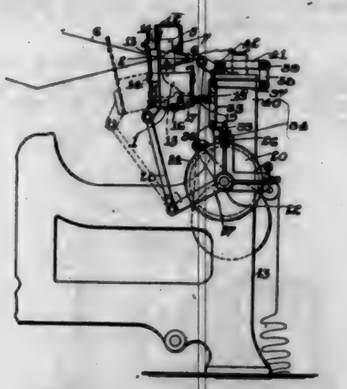
A hoe attachment adapted to be attached to a rake head comprising a flat blade having a shank twisted at right angles to the blade to provide an attaching portion, said attaching portion being adapted to be secured to the rake head to dispose the blade in the plane of the teeth of the rake head so that the hoe attachment projects beyond the rake head laterally of the line of draft whereby it is adapted to be brought into use when the rake head is rotated 90°.

1,537,006. SHUTTLE-CHANGING MECHANISM FOR LOOMS. GEORGE CROMPTON, Jr., Worcester, Mass., assignor to Robert G. Pratt, Worcester, Mass. Filed Oct. 3, 1921. Serial No. 504,869. 21 Claims. (Cl. 139—238.)



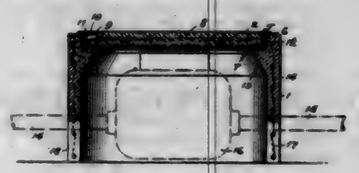
1. In a shuttle changing mechanism for looms, the combination with a lay, and a shuttle holder containing a shuttle and a shuttle carrier mounted on said lay, of a transferrer adapted to move a shuttle from said holder to said carrier, and means operated by the movement of said lay for actuating said transferrer.

1,537,007. SHUTTLE-CHANGING MECHANISM FOR LOOMS. GEORGE CROMPTON, Jr., Worcester, Mass., assignor to Robert G. Pratt, Worcester, Mass. Filed June 12, 1922. Serial No. 567,719. 12 Claims. (Cl. 139—238.)



1. In a shuttle changing mechanism for looms, the combination with a lay, a shuttle holder and a shuttle carrier mounted on said lay, a transferrer adapted to move a shuttle from said holder to said carrier, and an actuating member for said transferrer, adapted to move with the lay, of means for automatically interposing a stop in the path of movement of said actuating member to operate the latter.

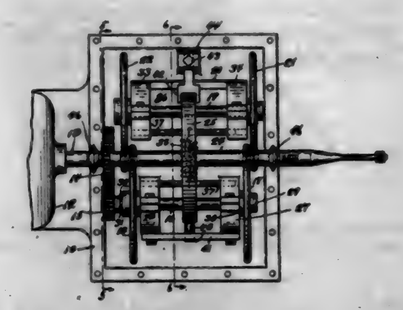
1,537,008. WATER-METER BOX. NATALE FORNI, Oakland, Calif. Filed Jan. 18, 1923. Serial No. 613,522. 3 Claims. (Cl. 72—13.)



1. A water meter protecting box, comprising a concrete casing open at the top and bottom and at the top provided with an annular inwardly extending shoulder spaced a short distance from the top, a reinforcing metallic ring seat fitted on said shoulder, said ring seat being substantially L-shaped in cross section, and a lid having an annular ring provided with a vertical section, a horizontal outwardly extending upper flange and a horizontal inwardly extending lower flange, said flanges extending in opposite directions whereby the lower flange and the vertical section may fit against said ring seat.

1,537,009. SPEED-INCREASING DEVICE. EDWIN V. HAGMAN, Watertown, Mass. Filed Apr. 12, 1921. Serial No. 460,793. 20 Claims. (Cl. 74—26.)

3. Speed-changing mechanism comprising the combination of a driving shaft, a driven shaft, means to support the driving shaft for rotation about a fixed axis, and driving means connecting said shafts comprising spaced discs carried by the driving shaft arranged in frictional driving engagement with the driven shaft and rotatable



means including a yielding member arranged to support and hold the driven shaft in fixed position and in driving engagement with said discs.

1,537,010. COLLAPSIBLE TUBE. FREDERICK HIRSCHMANN, New York, N. Y. Filed May 27, 1924. Serial No. 716,186. 3 Claims. (Cl. 221—60.)

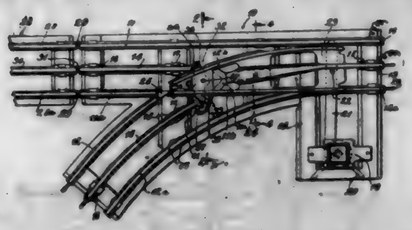


3. As a new article of manufacture, a collapsible dispensing tube having a neck at one end, said neck having an opening in its wall, a sleeve movable on said neck and having an opening adapted to register with the opening in the neck or moved to a position to close said opening, a nozzle removably secured in the opening of the sleeve and constituting a form or die to shape the material expressed from the tube, means on the end of the neck for supporting the tube, and a key secured to the end of the tube for collapsing the same.

1,537,011. TOY ELECTRIC-RAILWAY CONSTRUCTION. ARTHUR N. HOFFMAN, New York, N. Y., assignor to The Lionel Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1924. Serial No. 709,956. 18 Claims. (Cl. 191—29.)

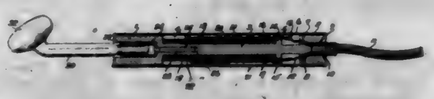
1. In a toy electric railway having a switching section, the combination of a track switch, a power rail running

lengthwise the said section and means including an interconnection with the said switch for disconnecting



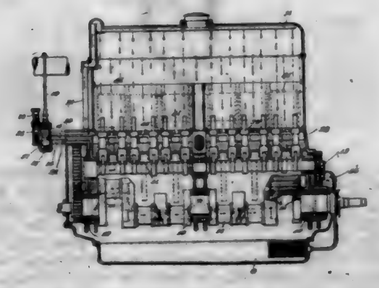
the power from the portion of the rail at the exit end of the said section against which the switch is closed.

1,537,012. COIL SUPPORT FOR HIGH-TENSION DEVICES. BENNO FREDERIC JANCKE, Brooklyn, N. Y. Filed Feb. 13, 1922. Serial No. 536,235. 5 Claims. (Cl. 174—39.)



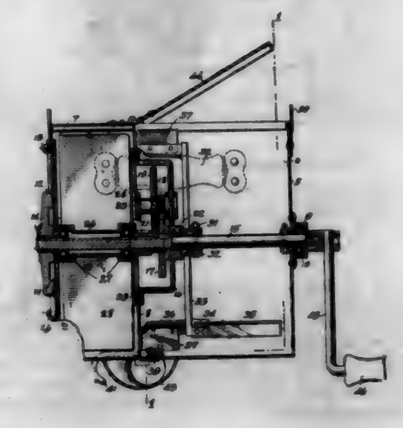
1. A handle portion for therapeutic devices, which comprises a spindle having a plurality of portions of reduced diameter to form chambers, a transformer coil mounted on one portion of reduced diameter, another portion of reduced diameter forming a chamber in which cylindrical connections to said coil can be made, said spindle at one end having a bore, a socket disposed in said bore, and a connection between the end of said socket and said transformer.

1,537,013. OILING SYSTEM. CLARENCE E. JEFFERS, Indianapolis, Ind., assignor to Howard C. Marmon, Indianapolis, Ind. Filed Feb. 2, 1921. Serial No. 441,907. 22 Claims. (Cl. 123—196.)



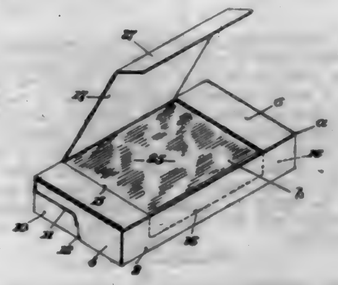
11. The combination with an internal combustion engine having bearings requiring oil varying in amount with load conditions, secondary bearings requiring oil, oil conduits leading to both of said sets of bearings and arranged in series, the conduit for said first mentioned bearings delivering the oil thereto in seriatim, an oil pump having a source of supply and a discharge conduit leading to said first mentioned bearings, means in said oil conduits beyond the first-mentioned bearings and in advance of the secondary bearings for maintaining a predetermined pressure in the conduit leading to said first-mentioned bearings without affecting the volume of oil passing to the conduit for said secondary bearings, a by-pass valve associated with the oil conduit beyond said first-mentioned bearings and arranged when opened to relieve the pressure in said conduit without affecting the volume of oil passing into the conduits leading to the secondary bearings, and means subject to the varying vacuum conditions in the engine for controlling the position of the by-pass valve.

1,537,014. CROP DUSTER. EDGAR KNAPP and CARL GODFREY ALLGAUER, Middleport, N. Y. Filed Apr. 17, 1923. Serial No. 632,751. 5 Claims. (Cl. 43—148.)



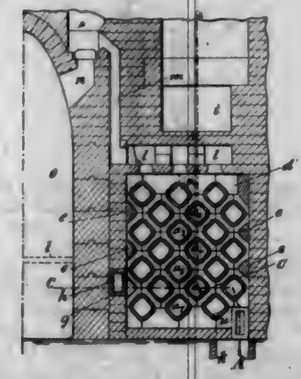
1. A device of the character described comprising a housing, a partition dividing said housing into a blower compartment and an insecticide compartment, a fan mounted in the blower compartment, a shaft extending longitudinally of said housing, a gearing adapted to be driven by said shaft for the purpose of driving the fan in the blower compartment, and a gear housing for supporting said gearing, said gear housing being removably carried by the partition of the first-mentioned housing.

1,537,015. PACKAGE FOR FRAGILE OR SENSITIVE ARTICLES. SIMON KNOTOSCHIN, Leipsig, Germany. Filed Nov. 18, 1924. Serial No. 750,688. 1 Claim. (Cl. 206—44.)



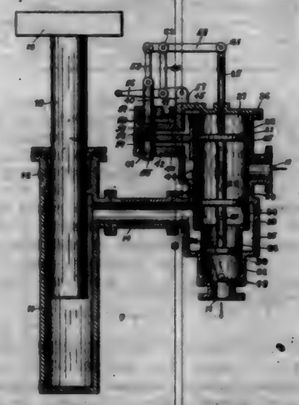
A package of the character described comprising an inner box having an aperture provided in one wall thereof, a wrapper completely enclosing said inner box in a substantially air tight manner and including a transparent portion covering the aperture therein, an outer box corresponding substantially in shape to the inner box and tightly fitted to the same and including a main cover having an aperture adjacent the aperture of the said inner box, a flap carried with the cover and adapted to fasten the cover in closed position, and a secondary flap and cover struck out from the main cover and flap and providing the aperture in the cover.

1,537,016. RECUPERATOR. SIGURD HJALMAR KRØYER, Hellerup, near Copenhagen, Denmark. Filed Nov. 5, 1924. Serial No. 747,949. 3 Claims. (Cl. 257—240.)



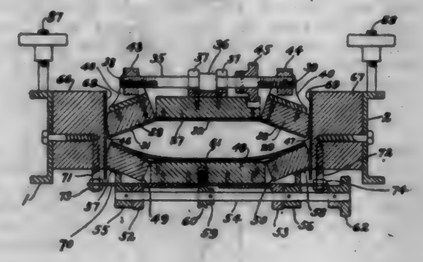
1. A recuperator of the natural draught type including a plurality of horisontal series of tubes, spaced vertical walls, said tubes being approximately square in cross section and so arranged that the plane portions of their walls are inclined to the vertical and that the tubes of each series extend into the spaces of the tubes of the adjacent series, having means for conducting combustion gases into the upper series of tubes, means for causing the combustion gases to traverse the several series of tubes from the upper series to the lower series, and means admitting air to the lower portion of the spaces between the vertical walls externally of the tubes whereby, incident to heating of the air, the latter rises in the spaces.

1,537,017. HYDRAULIC VALVE. THURE LARSSON, Worcester, Mass. Filed Mar. 10, 1923. Serial No. 624,202. 16 Claims. (Cl. 188—14.)



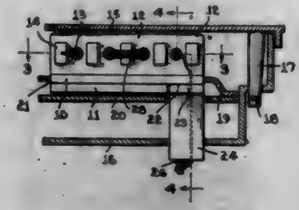
1. In combination with a hydraulic motor, a three way valve comprising a casing having an inlet port, an outlet port and a port to the motor and a piston valve device so constructed and arranged relative to said ports that the back pressure from the motor is the sole motive power to effect closing movement of the inlet valve.

1,537,018. DOUGH-MOLDING MACHINE. FRANK X. LAUTERBUR, Sidney, Ohio. Filed Jan. 15, 1923. Serial No. 612,702. 9 Claims. (Cl. 107—9.)



1. In a loaf molding machine the combination with a conveyor belt or the like, of a pair of boards or the like facing each other between which the conveyor passes, both of said boards having desired areas at the sides thereof, adjustable away from the parallel, whereby a mass of dough carried along by the belt will be formed into a cylindrical body with tapered ends.

1,537,019. ELECTRIC-STOVE INSULATING SUPPORT. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Aug. 18, 1924. Serial No. 732,748. 4 Claims. (Cl. 219—37.)

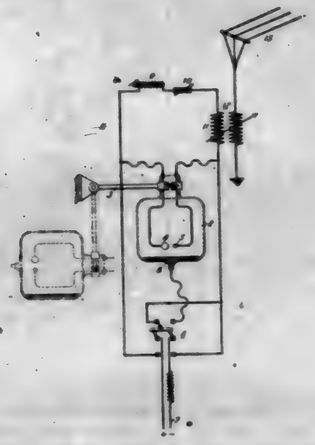


1. A supporting bar for electric heating devices formed of refractory insulating material and having a base and a web extending longitudinally of the base, said web being provided on its sides with spaced lugs, and having openings for resistance coils between said lugs.

1,537,020. BRIGHTENING AGENT. ARTHUR WHITE YOUNG, Kokomo, Ind., assignor to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed June 12, 1924. Serial No. 719,684. 4 Claims. (Cl. 204—1.)

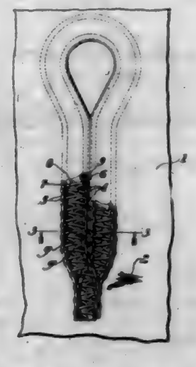
1. Method of obtaining bright, dense, coherent deposits of cadmium upon another metal, which comprises electro-depositing cadmium from a solution thereof to which a relatively small amount of concentrated milk has been added.

1,537,021. OSCILLATION GENERATOR OF THE ARC TYPE. HARVEY C. RENTSCHLER, Wilkinsburg, Pa., assignor, by mesne assignments, to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Nov. 9, 1918. Serial No. 261,910. 6 Claims. (Cl. 250—36.)



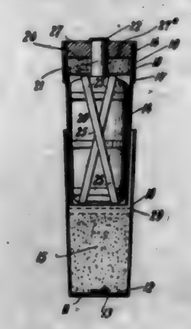
1. An oscillator comprising an arc between solid electrodes in an atmosphere of a mixture of hydrogen and mercury vapor at a relatively high pressure, whereby a fine-stream discharge is secured.

1,537,022. STITCHED BUTTONHOLE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Nov. 4, 1924. Serial No. 747,723. 2 Claims. (Cl. 112—264.)



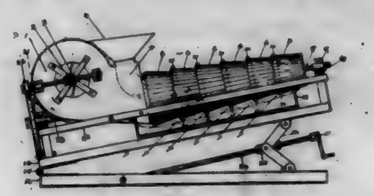
1. In a stitched buttonhole, the combination with a knitted body-fabric having a buttonhole-slit, of a buttonhole overseam including a zigzag needle thread formed alternately into depth-stitch and slit-stitch loops which pass through the body-fabric, and a pair of looper-threads formed alternately into loops, the loops of one looper-thread entering and keying the depth-stitch needle-thread loops and being entered and keyed by the subsequently formed slit-stitch needle-thread loops, and the loops of the other looper-thread entering and keying the slit-stitch needle-thread loops and being entered and keyed by the subsequently formed depth-stitch loops, the interlinked loops forming inner and outer purls along the rows of depth- and slit-stitch needle-loops, and a soft yarn strand substantially filling the space between said purls and held flattened by the overlying looper-thread loops.

1,537,023. GALVANIC CELL. SERGE APOSTOLOFF, New York, N. Y., assignor to Union Dry Battery Corporation of America, New York, N. Y., a Corporation of Delaware. Filed Aug. 22, 1918, Serial No. 250,974. Renewed June 15, 1921. Serial No. 477,865. 16 Claims. (Cl. 136—38.)



14. In a dry cell of the type adapted to remain inactive until it is desired to put the same into use, a bobbin consisting of a carbon electrode and a depolarizing mass, a tubular element connected to the bobbin and spaced therefrom, a zinc electrode cup fitting said tubular element, and means whereby the cell is put into activity upon the addition of water to the zinc cup and subsequent movement of the tubular element into said zinc cup.

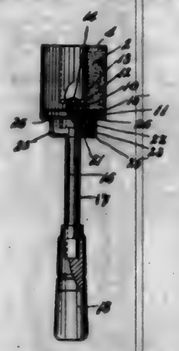
1,537,024. PNEUMATIC ORE SEPARATOR. CHARLES E. S. BUNCH, Devore, Calif. Filed Mar. 27, 1923. Serial No. 628,160. 3 Claims. (Cl. 83—54.)



2. In a device of the class described, a main supporting and driving shaft, a blast tube composed of units adjustably secured on the said main supporting driving shaft, means such as main bearings supporting said main shaft in operative alignment with the outlet of the blast fan, means to transmit motive power to the said main shaft and the blast tube assembly, a catch basin rigidly supported longitudinally of and adjacent to the bottom of said blast tube assembly, means to control the angle of elevation of the said blast tube, substantially as shown.

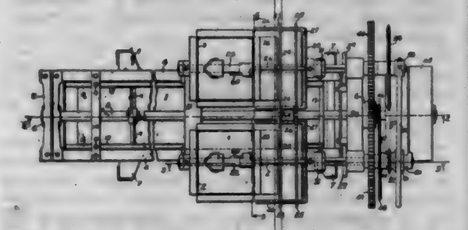
1,537,025. APPARATUS FOR DRESSING GRINDERS. ARTHUR L. CURRIER, New Ipswich, N. H., assignor to J. W. Moore Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Feb. 19, 1920. Serial No. 359,869. 1 Claim. (Cl. 125—37.)

A dressing apparatus of the kind described, comprising a tubular member, a handle secured to one end thereof, an anti-friction bearing mounted on the end of the tube remote from the handle, and a cylindrical abrasive dressing tool secured to the outer end of the



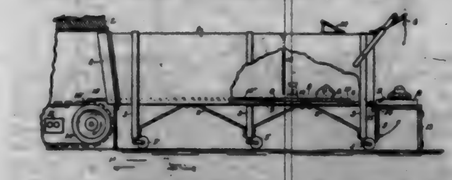
anti-friction bearing, the axes of the cylindrical dressing tool, tubular member, and handle being in alignment with each other.

1,537,026. CONCRETE-MIXING APPARATUS. CHARLES M. EBERLING, Cleveland, Ohio, assignor to The Eberling Machines Sales Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 20, 1920. Serial No. 431,908. 17 Claims. (Cl. 83—73.)



1. In a concrete mixer, the combination of a trough having pugging means therein, of a pair of fixed sheives overhanging said trough opposite to each other, rotatable pushing devices adapted and arranged to sweep across the top of said sheives, means for maintaining a uniform supply of cement and aggregate on the respective sheives, means for rotating the pushing devices whereby the same may sweep simultaneously across said sheives toward each other, and means for varying the effective length of said pushing devices.

1,537,027. GLASS LEER. MARSHALL W. GLEASON and CLARENCE G. MILLER, Brooklyn, N. Y., assignors to Gleason-Tiebout Glass Company, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 752,014. 4 Claims. (Cl. 49—53.)



1. A removable attachment to leers, composed of a body forming a chamber, one end of which is adapted to connect with the mouth of a leer, means of closing the free end of said chamber and of interlocking pans adapted for transitory passage through said chamber.

1,537,028. BRAKE-BEAM SUPPORT. BRODERICK HASKELL, Franklin, Pa. Filed May 15, 1924. Serial No. 713,487. 7 Claims. (Cl. 188—218.)



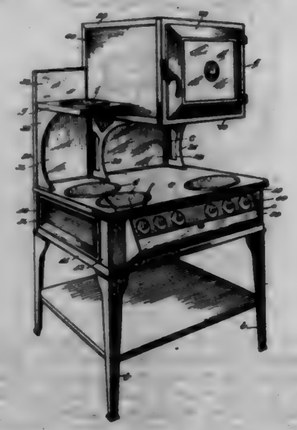
5. The combination of a flanged spring plank of a car truck having holes through the web portion thereof, and brake beam supporting rails provided with toes adapted to be passed through the plank and engage the underside thereof, and having shoulders adapted to bear on the flanges of the truck and prevent such movements of the rails as will permit the disengagement of the toes from the plank.

1,537,029. SECURING BRAKE-BEAM SUPPORTS TO SPRING PLANKS. BRODERICK HASKELL, Franklin, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed July 8, 1924. Serial No. 724,802. 4 Claims. (Cl. 188—218.)



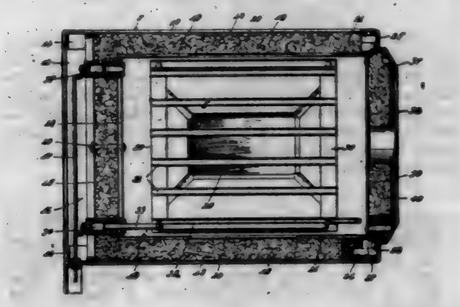
3. The combination of the spring plank of a car truck, brake beam supporting rails, provided at their inner ends with eyes, pockets on the underside of the spring plank for the reception of the inner ends of the rails and removable pins passing through the sides of the pockets and the eyes in the supporting rails.

1,537,030. RANGE. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britian, Conn., a Corporation of Connecticut. Filed Apr. 2, 1921. Serial No. 458,105. 7 Claims. (Cl. 219—35.)



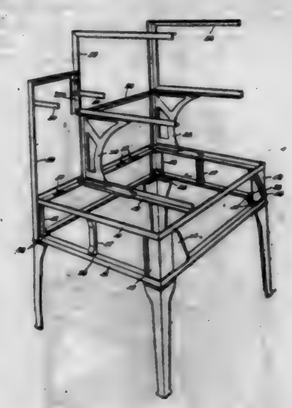
1. In a device of the character described, a body frame, a back frame and an oven extending forwardly from the latter, said body frame and back frame being formed, in part, of irons angular in cross section, panels carried by said back frame, a plate covering the rear of said back frame and oven, insulators carried by the angle irons of said frames, and conducting wires passing through said bushings and the space provided between said panels and oven and said plate.

1,537,031. OVEN. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Original application filed Apr. 2, 1921, Serial No. 458,105. Divided and this application filed Aug. 1, 1922. Serial No. 578,980. 5 Claims. (Cl. 126—275.)



1. An oven including an outer shell, an inner shell, heat insulating material therebetween, corner irons on the corners of said outer shell, a front piece covering the forward ends of said inner and outer shells and said insulating material, and means for securing said front piece to said corner irons.

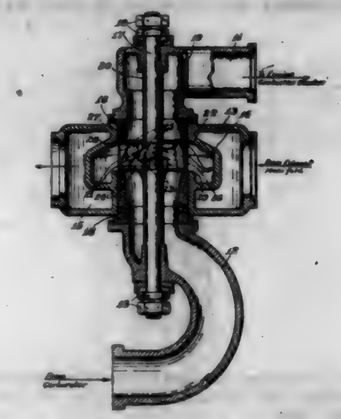
1,537,032. RANGE. JOSEPH F. LAMB, New Britain, Conn., assignor to Landers, Frary & Clark, New Britain, Conn., a Corporation of Connecticut. Original application filed Apr. 2, 1921, Serial No. 458,105. Divided and this application filed Aug. 1, 1922. Serial No. 578,982. 5 Claims. (Cl. 126—39.)



1. In a device of the character described, a pair of frame members, brackets supporting said members in spaced relation and having their opposite ends notched to provide grooves, and a panel provided with edge flanges snugly fitting within said grooves.

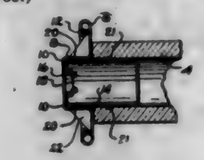
1,537,033. SEPARATOR AND VAPORIZER ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. RICHARD B. SARGENT, Rock Island, Ill., assignor to Charles E. Sargent, Rock Island, Ill. Filed May 5, 1922. Serial No. 558,660. 10 Claims. (Cl. 48—180.)

1. In combination, a conduit for carrying a mixture of liquid and gas, a wind-wheel rotatably mounted in said conduit and having outwardly projecting blades, said blades being partly oblique and partly parallel to the direction of stream-flow, a chamber opening into



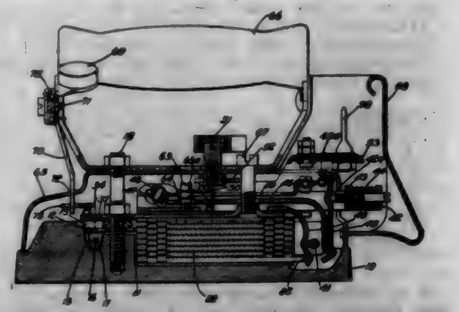
said conduit in position to have liquid from said blades thrown outwardly into it, and a ring encircling said blades and reinforcing them against centrifugal force.

1,537,034. SPOOL. WILLIAM M. SAUNDERS, Waterbury, Conn., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 2, 1925. Serial No. 12,619. 6 Claims. (Cl. 242—69.)



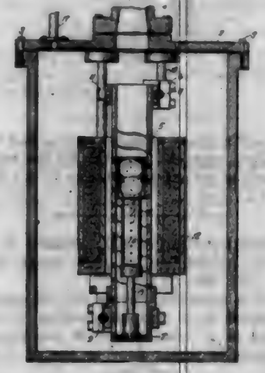
1. In a music roll having a core with openings in its ends, a flanged sheet metal member having a cylindrical socket portion protruding therefrom and integral therewith, a separately formed rigid cylindrical shell member fitting and inserted within said socket portion and having a portion protruding therefrom, one of said members having a spindle engaging portion, one of said protruding portions entering said core.

1,537,035. ELECTRIC HEATER. CHARLES L. HEISLER, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 18, 1923. Serial No. 663,481. 20 Claims. (Cl. 219—25.)



1. Thermostatic control means for electric heaters and the like, comprising a thermostat, circuit control means, a plurality of members forming an operating connection between said control means and said thermostat, and a common means for holding said members in their various cooperating relations and for moving said control means from one position to another upon movement of said thermostat.

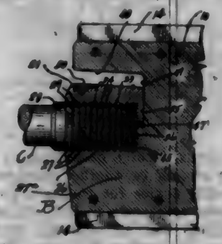
1,537,036. QUARTZ WORKING. LEVI B. MILLER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Jan. 25, 1924. Serial No. 688,602. 7 Claims. (Cl. 49—78.1.)



1. An apparatus for preparing fused or vitreous silica comprising the combination of a refractory container, one part of which has a greater diameter than the adjoining part and having a tapered throat connecting said parts, means for heating said container, and means for evacuating the space within said container.

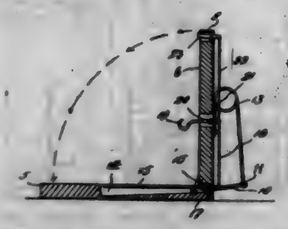
7. The method of preparing fused or vitreous silica which consists in heating crystalline silica to a temperature of plasticity, subjecting said plastic silica to advancing constrictive pressure to eliminate cavities in said silica, and causing said silica to congeal while substantially preserving the cross-section thereof.

1,537,037. COUPLING ARRANGEMENT FOR PISTON RODS AND CROSSHEADS. RAYMOND A. MOCK, Amarillo, Tex. Filed Oct. 7, 1922. Serial No. 593,025. 8 Claims. (Cl. 308—3.)



1. In a structure of the character described, a cross head provided with a pocket leading from one end thereof and having a wall provided with a recess extending longitudinally of the pocket, side arms positioned at opposite sides of the body, a clamping block resting upon said side arms and having an intermediate portion positioned in said pocket and provided with a recess cooperating with the recess of the pocket to provide a piston rod receiving socket open at the said end of said cross head, a piston rod having one end fitting within said socket, the walls of the socket and the end portion of the rod fitting within the socket being provided with means interlocking to hold the rod within the socket when said block is secured in place and fastener means for securing said block to the side arms of said cross head.

1,537,038. RAT TRAP. HOVANNESS DORAKDJAIN, East Watertown, Mass. Filed July 25, 1925. Serial No. 653,685. 1 Claim. (Cl. 43—81.)



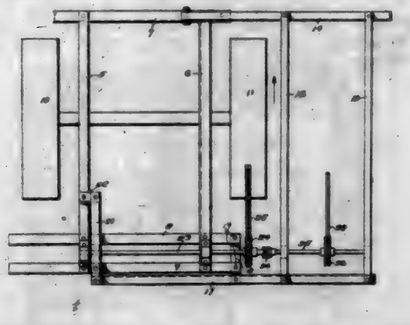
A trap including in combination a base board, a back board fixed to the base board at an angle thereto, a jaw member pivoted to the lower end portion of the back board and at points between the opposite side surfaces thereof, spring means mounted upon the back board for normally maintaining said jaw closed upon the base board, a platform pivoted to the back board at a point between the opposite side surfaces thereof and disposed over the base board, a bait hook pivoted upon the back board at a point between the opposite side surfaces thereof and passing transversely therethrough, a latch member pivoted upon the lower end of said back board at a point between the opposite surfaces thereof and adapted to engage the jaw to hold the same open, and a rod disposed along the back board and pivotally connected with the platform, the bait hook, and the latching member.

1,537,039. ADJUSTABLE SUPPORT. RUEL I. SHORT, Los Angeles, Calif., assignor to Escondee Corporation, Los Angeles, Calif., a Corporation of California. Filed June 2, 1920. Serial No. 386,185. 7 Claims. (Cl. 45—97.)



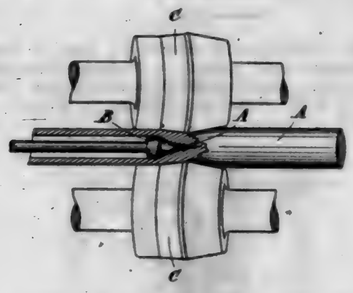
1. A device of the character described comprising a yieldable clip, a socket member carried thereby, a ball member seated within said socket and being formed with a cavity in the back thereof, the walls of which are concentric with the outer walls of the ball, a hemispherical washer seated within the cavity and conforming to the contour thereof, a bolt passing through the ball and socket members and the washer, a helical spring mounted on the bolt and resting against the washer and an adjusting nut carried by the bolt, and adapted to bear against the washer to produce a desired frictional engagement between the joint members, and a plurality of arms emanating from the ball member to afford a mounting for an article to be supported.

1,537,040. POWER-UNIT ATTACHMENT FOR AGRICULTURAL MACHINES. HERMAN J. VIEGENS, Welcome, Minn. Filed Jan. 10, 1924. Serial No. 685,427. 4 Claims. (Cl. 180—53.)



1. The combination with a horse drawn machine, comprising a pair of bull wheels, a supporting frame between said bull wheels, an auxiliary power unit, means for mounting said power unit outwardly of the right hand bull wheel, a driven element upon the supporting frame and driving connections between said element and the auxiliary power unit, whereby said driven element may be driven independently of the bull wheel and from a point outwardly of said bull wheel.

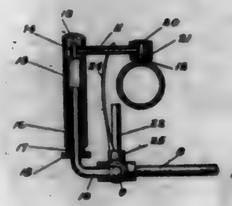
1,537,041. METHOD FOR MANUFACTURING HOLLOW BODIES OF STEEL, ALLOYS, OR OTHER METALS. THEODOR BECKER, Dusseldorf, Germany. Filed Aug. 30, 1921. Serial No. 496,833. 5 Claims. (Cl. 207—8.)



1. A method of producing hollow bodies from weldable metal, such as steel, consisting in first casting an ingot from molten weldable metal; then allowing it to cool until substantially the core retains a plastic, weldable state; and driving a mandrel through the core so as to produce a hole and to simultaneously weld together into a flawless mass the substance of the body that is rent and creviced in the hollowing operation.

1,537,042. TOY GAS ENGINE. HUGH E. BROWN, Chicago, Ill., assignor to W. M. Welch Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1920. Serial No. 373,853. 7 Claims. (Cl. 123—75.)

1. The combination with a gas engine; of a fuel supply pipe feeding horizontally and having a vertically extended end, a mixing chamber mounted over said end and provided with side openings, a connection between the upper portion of the mixing chamber and the cylinder of the engine, the connection between the mixing chamber and the cylinder communicating with a passage leading from the atmosphere to the cylinder and freely open to the

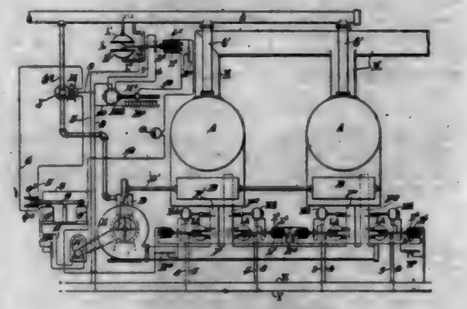


atmosphere, and a sleeve movable on the fuel supply pipe and co-operating with the openings in the mixing chamber to regulate or cut off the passage of air through the same.

1,537,043. BREAD COMPOUND. JOSEPH W. DUBBAKS, Houston, Tex. Filed Dec. 27, 1923. Serial No. 682,909. 3 Claims. (Cl. 99—10.)

1. A bread composition having for its cereal ingredients white wheat flour and an emulsion of cooked rice grains treated in a homogenizer in the proportions of about two parts of wheat flour to one of rice emulsion by weight.

1,537,044. FLOW-PROPORTIONING APPARATUS. GEORGE HERBERT GIBSON, Montclair, N. J. Filed Sept. 22, 1916. Serial No. 121,547. 69 Claims. (Cl. 236—14.)

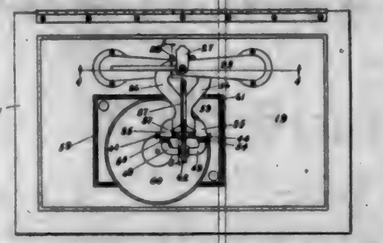


1. Means for automatically proportioning the rate of flow of one fluid stream to another comprising in combination a balancing device for each stream including a fluid pressure motor responsive to the rate of flow of the corresponding stream and an opposing electro-magnetic motor, means for connecting the two electro-magnetic motors in series in the same energizing circuit, and means actuated by each balance for regulating the ratio between the rate of flow of the stream to which the balance pertains and the strength of the electric current passing through the electric motor of the balance.

1,537,045. TALKING MACHINE. CARL F. EJERPE, Jamestown, N. Y. Filed Aug. 11, 1922. Serial No. 581,215. 11 Claims. (Cl. 274—28.)

11. In a talking machine, an assembly board having separated passages therethrough, an integral block

mounted upon said board, separate conduits formed in said block connecting with said passages, separate tone



arms and means connecting one of said arms with one of said conduits and the other of said arms with the other of said conduits.

1,537,046. ANODE. MAURICE E. LOUTH, Kokomo, Ind., assignor to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed May 21, 1924. Serial No. 714,908. 13 Claims. (Cl. 204—4.)

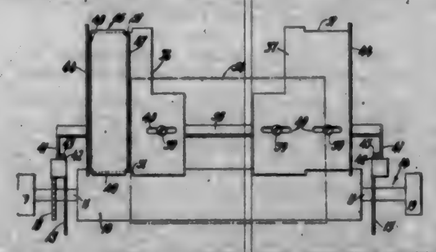


1. An anode for use in electroplating, comprising a plurality of bodies of active material and a support of inactive conductive material including a plurality of studs of inactive conductive material each having one end embedded in one of said bodies of active material.

1,537,047. CADMIUM PLATING. MAURICE E. LOUTH and ARTHUR WHITE YOUNG, Kokomo, Ind., assignors to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed June 5, 1924. Serial No. 718,155. 11 Claims. (Cl. 204—1.)

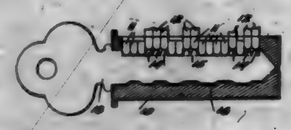
1. Process of electroplating with cadium which comprises electro-depositing cadmium from a sodium cadmium cyanide bath containing from ¼ to 8 ounces of cadmium and from ½ to 10 ounces of free sodium cyanide per gallon of bath.

1,537,048. TYPEWRITING MACHINE. HARRY H. VICKERS, Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 3, 1923. Serial No. 616,654. 10 Claims. (Cl. 197—127.)



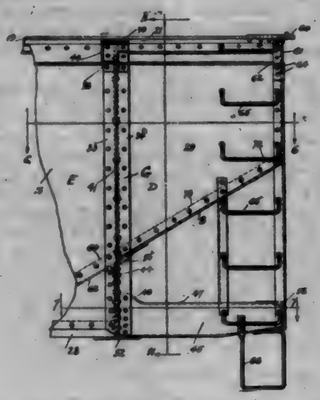
1. In a combined typewriting and computing machine comprising a platen and computing mechanism effective for certain zones along the platen, the combination with a collating table having fixed side-edge gages for use separately to position computing columns on work-sheets in coincidence with said computing zones, of a detachable side gage so constructed that, when placed on the collating table adjacent one of the fixed gages and pressed thereagainst, it may be used to position, relatively to said computing zones, a special work-sheet which cannot be properly positioned by the fixed gages.

1,537,049. KEY. EDWARD B. VIVES, New York, N. Y., assignor to Vesdal Creations, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 6, 1923. Serial No. 661,219. 7 Claims. (Cl. 70—9.)



1. A key blank consisting of a shank or blade provided along the upper edge thereof with a plurality of detachable teeth of uniform length, the ends of said teeth defining a line substantially parallel with said edge.

1,537,050. CAR CONSTRUCTION. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1923. Serial No. 629,760. 13 Claims. (Cl. 105—249.)

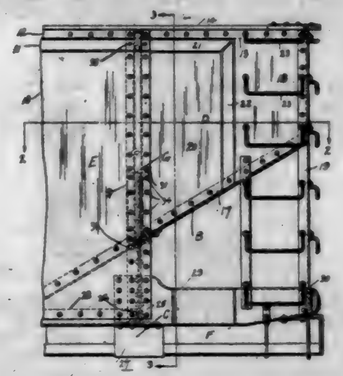


10. In a car having the ends formed of lesser width than the central portion thereof, said ends having substantially vertically disposed straight corner posts, the combination with side top rail members extending longitudinally of the car and substantially in alinement with the aforesaid corner posts and secured thereto; of a plate secured respectively to the top rail member and corner post, said plate having horizontal and vertical offsets formed therein whereby the main section of the plate is disposed outwardly of the rest of the plate to secure increased width of the car; and ladder rungs mounted on the car between the aforesaid vertical offset and the end of the car and within the plane of said widened portion of the car.

1,537,051. RAILWAY-CAR CONSTRUCTION. ARGYLE CAMPBELL, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed May 24, 1923, Serial No. 641,121. Renewed Jan. 31, 1925. 9 Claims. (Cl. 105—247.)

1. In a dump car having a sloping floor, the combination with a side wall; of a body bolster extending trans-

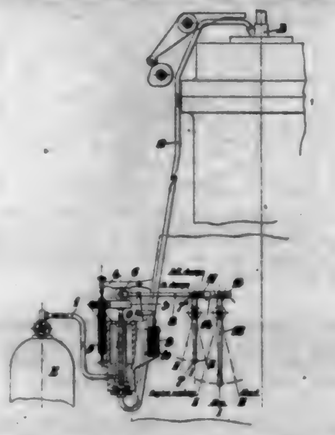
versely of the car beneath the sloping floor; and a plurality of angles arranged in pairs at each end of the bolster, said angles intersecting the sloping floor, each angle of each of said pairs having one of its flanges inwardly dis-



posed and secured to the bolster, the remaining flanges of each pair of angles being disposed in substantial alinement, in the plane of the side wall of the car and secured thereto.

1,537,052. INJECTION AIR REGULATOR ESPECIALLY FOR MARINE OIL ENGINES. GUSTAV PIELSTICK, Augsburg, Germany, assignor to the Firm: Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft, Augsburg, Germany, a German Corporation. Filed Aug. 24,1921. Serial No. 494,863. 8 Claims. (Cl. 123—33.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In an oil engine, the combination of a supply of air under pressure for injection, a connection between the supply and the engine cylinder, a pressure control valve in the connection, a fuel charge regulating lever, means for controlling the action of the pressure control valve, and a connection between the fuel charge regulating lever and the control means, operable to cause the control valve to decrease the injection pressure directly with



a movement of the lever producing a decrease in the fuel charge and operable to cause a gradual movement of the control valve to increase the pressure when the regulating lever is moved to increase the fuel charge.

1,537,053. PROCESS OF COLORING CADMIUM. ARTHUR WHITE YOUNG, Kokomo, Ind., assignor to Udylite Process Company, Kokomo, Ind., a Corporation of Indiana. Filed Apr. 2, 1924. Serial No. 703,781. 3 Claims. (Cl. 204—1.)

1. Process of coloring cadmium and cadmium coated articles which comprises contacting an article to be colored with an ammoniacal solution of ammonium molybdate maintained at a temperature of from 100° F. to 180° F. in an electrical circuit in which said article serves as the cathode.

Patents Nos. 1,537,054 to 1,537,930.

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CONTENTS.

ISSUE OF MAY 12, 1925	281
INTERFERENCE NOTICES	281
ADJUDICATED PATENTS	281
ADVERSE DECISIONS IN INTERFERENCE	281
APPLICATIONS UNDER EXAMINATION	282
DECISIONS OF THE U. S. COURTS—	
Waters v. Holsing	283
William R. Warner & Company v. Eli Lilly & Company	287
PATENT SUITS	290
TRADE-MARKS PUBLISHED (283 APPLICATIONS)	291
TRADE-MARK REGISTRATIONS GRANTED	321
TRADE-MARK REGISTRATIONS RENEWED	331
LABELS	332
PRINTS	334
REISSUES	335
DESIGNS	336
PATENTS GRANTED	341

Issue of May 12, 1925.

Trade-Marks	153	No. 198,228 to No.	198,410, inclusive.
T. M. Renewals	83		
Labels	53	No. 28,632 to No.	28,684, inclusive.
Prints	12	No. 7,920 to No.	7,931, inclusive.
Reissues	4	No. 16,067 to No.	16,070, inclusive.
Designs	73	No. 67,254 to No.	67,326, inclusive.
Patents	877	No. 1,537,054 to No.	1,537,930, inclusive.
Total	1254		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

The Brighton Chemical Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Agnes C. Graves, of 425 East Water Street, Milwaukee, Wis., for registration of a trade-mark and trade-mark registered July 16, 1905, No. 70,066, to The Brighton Chemical Co., 232 East Fourth Street, Cincinnati, Ohio, and a notice of such declaration sent by registered mail to The Brighton Chemical Co. at the said address having been returned by the post office undeliverable, notice is hereby given that unless The Brighton Chemical Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweekly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweekly, 289 Fourteenth Avenue, Astoria, Long Island, N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y.; William A. Ready, 112 Winthrop Road, Brookline, Mass.; and Walter W. Wood, R. F. D. No. 5, Canton, Ohio, and the Office having failed to secure service on the said Zweekly, notice is hereby given that unless said Zweekly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, Apr. 17, 1925.*

Arnold Zweekly, his assigns or legal representatives, take notice:

An interference having been declared by this Office between an application for patent filed by Arnold Zweekly, 289 Fourteenth Avenue, Astoria, Long Island, N. Y., and applications for patents filed by Kimball H. Stark, 1707 University Avenue, New York, N. Y.; William A. Ready, 112 Winthrop Road, Brookline, Mass.; and William A. Ready, 112 Winthrop Road, Brookline, Mass., and the Office having failed to secure service on the said Zweekly, notice is hereby given that unless said Zweekly, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 1, 1925.*

Westerly Shirt Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Orent's Department Store, Inc., 1225 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 22, 1912, No. 88,814, to Westerly Shirt Co., of Westerly, R. I., and 23–25 East Twenty-first Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Westerly Shirt Co., at Westerly, R. I., as well as letters forwarded by the attorney of record to both of the above addresses having been returned to the respective senders by the post-office authorities as undeliverable, notice is hereby given that unless said Westerly Shirt Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Oreg.) The Warren patent, No. 727,505, for street pavement, claims 3, 5, 6, and 11 *Held* valid and infringed. *Cookingham* v. *Warren Bros. Co.*, 3 F. (2d) 890.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,441,401, Duncan and Hubbard, Automatic releasing device, decided April 23, 1925, claims 2 and 3.

Pat. 1,503,096, Currier and Eaton, Call-distributing system, decided April 3, 1925, claims 9 and 10.

Condition of Applications Under Examination at Close of Business May 1, 1925.

Items No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,634; Trade-Mark Division, 2,342. Oldest new case, Nov. 1, 1924; oldest amended, Nov. 3, 1924. The dates given are 1924 except where † indicates 1925.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting officer action. Nov.	Amended.	Number of applications awaiting action.
106	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	†Jan. 14	†Jan. 28	664
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	†Jan. 2	†Jan. 2	484
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	†Mar. 28	†Jan. 5	173
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	†Jan. 7	†Jan. 8	644
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Dec. 3	Dec. 9	970
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Dec. 10	Nov. 26	906
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	†Jan. 2	†Jan. 2	1,010
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	†Jan. 3	†Jan. 3	1,470
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Dec. 26	†Jan. 31	609
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	†Jan. 2	†Jan. 10	991
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 10	†Feb. 5	717
360	12. PIERCE, P. P., Machine Elements	†Jan. 2	†Jan. 2	747
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Nov. 26	Dec. 30	1,200
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	†Jan. 30	†Jan. 30	226
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	†Jan. 2	†Jan. 6	1,015
340*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Nov. 14	Nov. 19	1,054
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	†Jan. 10	†Feb. 26	309
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Nov. 17	Nov. 19	255
226	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Dec. 13	†Feb. 4	531
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Dec. 22	Dec. 22	676
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Dec. 3	†Mar. 13	462
106	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	†Jan. 27	†Feb. 3	420
317	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Dec. 24	Dec. 5	414
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	†Jan. 9	†Jan. 21	857
316	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	†Feb. 20	†Feb. 19	659
226*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	Nov. 1	Nov. 11	768
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	†Jan. 12	†Jan. 28	741
225	28. BENSON, A. R., Internal-Combustion Engines	†Feb. 24	†Feb. 24	718
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Nov. 6	Dec. 1	1,082
248	30. SULLIVAN, M. F., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	†Jan. 19	†Jan. 24	902
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	†Feb. 7	†Feb. 9	898
240	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	†Jan. 5	†Jan. 3	654
182	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	†Feb. 21	†Feb. 26	651
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	†Jan. 10	†Jan. 6	606
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	†Jan. 21	†Feb. 9	632
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	†Jan. 6	Nov. 17	1,306
234*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Nov. 21	Nov. 25	1,221
145	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	Nov. 1	Nov. 8	927
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	†Jan. 13	†Jan. 22	458
309	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Nov. 26	Dec. 1	1,741
135	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	†Jan. 19	†Jan. 22	560
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Nov. 15	Nov. 19	1,154
134*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Dec. 3	Dec. 17	896
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Nov. 18	Dec. 10	783
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	Dec. 1	Dec. 8	769
353	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Nov. 17	Nov. 14	717
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Dec. 18	Dec. 19	1,864
212*	48. ROEPKE, O. E., Electricity, Conductors; Electricity, General Applications	Nov. 3	Nov. 3	1,708
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	†Jan. 2	†Jan. 2	724
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Nov. 18	Nov. 25	1,577
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Dec. 1	Dec. 1	2,144
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	†Feb. 7	†Feb. 21	621
113	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Nov. 24	Nov. 19	1,077
102	Designs: C. O. MARKHAM (Acting)	†Apr. 4	†Apr. 1	343
163	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. {Trade-Marks	†Apr. 1	†Apr. 18	1,553
	{Labels and Prints	†Mar. 2	†Mar. 17	390

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

WATERS *v.* HOLSLAG.

No. 1,969. Decided December 1, 1924.

1. INTERFERENCE—CONCURRENCE OF PATENT OFFICE TRIBUNALS IN AWARDING PRIORITY.

Where the three tribunals of the Patent Office concurred in awarding priority to H., and a careful examination of the evidence and review of the analysis thereof in the opinions of the tribunals below convinced the court that a proper conclusion had been reached, the decision of the Commissioner was affirmed.

2. SAME—ORIGINALITY—PRIORITY.

Where it was established that H. and W. had discussions relative to the invention, but it did not appear that W. had disclosed the invention to H.; where the construction most favorable to W. that could be put upon H.'s letters placed in evidence by W. was that they constituted an admission by H. of joint inventorship, but both parties disclaimed joint inventorship and W. testified positively that he was the sole inventor; where W. failed to establish that he was in possession of the invention prior to H.'s reduction to practice, and where W., in an application filed after H.'s reduction to practice, made only limited claims although the disclosure would support the broader claims of the issue, and only copied the broader claims after H.'s patents had issued, the decision of the Examiner of Interferences awarding priority to H. was affirmed.

APPEAL from Patent Office. Affirmed.

Mr. Eugene C. Brown for Waters.

Mr. Chas. L. Sturdevant and *Mr. E. G. Mason* for Holslag.

PER CURIAM:

[1] This appeal is from the decision of the Commissioner of Patents awarding priority of invention to appellee Holslag for an apparatus and method of arc welding with alternating current.

The case turns entirely upon questions of fact. The record consists of about 1,850 printed pages. The three tribunals of the Patent Office, in most elaborate opinions, have concurred in awarding priority to Holslag. After a careful examination of the evidence, and review of the analysis thereof in the opinions of the tribunals below, we are convinced that a proper conclusion has been reached.

The decision of the Commissioner of Patents is, therefore, affirmed.

The decision of Assistant Commissioner Fenning, rendered in this case, June 23, 1923, is as follows:

The party Waters appeals from the decision of the Examiners in Chief affirming the decision of the Examiner of Interferences awarding priority of invention to Holslag.

The invention relates to an apparatus for and a method of arc welding with alternating current, and particularly to a transformer having a special arrangement of primary and secondary coils and a so-called flux diverter.

Counts 1 to 33, which constituted the issue of this interference as originally declared, are claims appearing in Holslag's Patents Nos. 1,305,360, 1,305,361, and 1,305,362, issued June 3, 1919, on applications filed October 24, 1917, January 14, and April 30, 1918, respectively, and three applications of Waters filed September 25, 1919, in which he copied the claims of the previously issued patents to Holslag.

Claims 34 to 40 constituted the issue of interference No. 43,749, which was consolidated with the present interference, and are claims of Holslag's Patent No. 1,305,363, issued June 3, 1919, on an application filed September 21, 1918, and were introduced by amendment in Waters's application filed June 2, 1918.

The invention in its broadest aspects is set forth in counts 1 to 5, 9 to 14, and 20 to 33, inclusive. Counts 6, 7, 8, and 15 to 19, inclusive, specify that a part of the secondary winding is intermingled with the primary winding and count 8 is further limited to the screw mechanism for adjusting the flux diverter. Counts 34 to 40 include the so-called "steadying windings".

The several groups are illustrated by the following counts:

1. Apparatus utilizing alternating current for metallic arc welding, cutting and repairing including a transformer having a closed circuit core unit, a primary winding on one leg thereof, a secondary having a main section on the same leg of the core alongside the primary and an auxiliary section on another leg of the core remote from the primary and said main section whereby the two sections act to direct the flux in said core unit to meet the conditions of the welding or cutting are formed between metal electrodes connected to the secondary terminals of said core unit.

6. Apparatus utilizing alternating current for electric arc welding, cutting and repairing, including a transformer having a closed circuit core with primary and secondary windings thereon, a part of the secondary being intermingled with the primary, while the balance of the secondary is located on the core remote from the primary and said first part, whereby the magnetic flux is directed in paths to meet very rapidly the varying conditions of the welding, cutting or repairing operations.

8. Apparatus utilizing alternating current for electric arc welding, cutting and repairing, including a transformer having a closed circuit core with primary and secondary windings thereon, a part of the secondary being intermingled with the primary, while the balance of the secondary is located on the core remote from the primary; whereby the magnetic flux is directed in paths to meet very rapidly the varying conditions of the welding, cutting or repairing operations, and a flux controller to assist in controlling the amount of flux passing through the said remote secondary portion, said flux controller being adjusted by a screw mechanism supported by a frame preferably attached to the core.

22. The method of electric arc cutting, welding and repairing by alternating current energy, which consists in supplying alternating current energy, transforming said alternating current energy directly into another form in which the voltage factor is a composite one, and operating a movable electrode in close proximity to the material to be cut, welded or repaired, said material constituting an opposite electrode, and passing the transformed energy through said electrodes, whereby a persistent arc is formed and the heat thereof maintained substantially constant by reason of said composite voltage factor.

34. Apparatus for electric arc cutting and welding, including a transformer having primary and secondary windings in inductive relation to each other, a portion of the secondary being in intimate relation with the primary while the balance of the secondary is remote

therefrom, a steadying winding in series with both portions of the secondary and disposed in inductive relation to both primary and secondary windings and an adjustable flux controller for varying the inductive effects of said windings.

Waters is the junior party as to counts 1 to 33, but the senior party as to counts 34 to 40, inclusive.

In his brief Waters contends, though no reference to this is made in his reasons for appeal, that the decision as to counts 34 to 40 should be in his favor, since Holslag did not take testimony with reference thereto within the time set by the Examiner of Interferences, and that Waters, even after this testimony was taken, was, by the manner in which the Examiner of Interferences' statement of the times for taking testimony was made, deprived of his right to take rebuttal testimony with respect to these counts.

It appears, however, that Holslag took testimony as to these counts at the same time he took testimony as to the other counts in accordance with the permission given him by Commissioner Newton, and that this whole matter has been fully reviewed by the present Commissioner, who, in a decision of October 5, 1922, denied Waters's motion to suspend the appeal to the Examiners in Chief and to restore the jurisdiction of the Examiner of Interferences to permit Waters to take further testimony with reference to these counts.

For the reasons fully stated in the decision of the Commissioner, the fact that Holslag did not take testimony as to counts 34 to 40 within the time originally set affords no ground for the award of priority to Waters.

The question involved, so far as counts 1 to 33 are concerned, is one of originality of invention, Waters claiming that he fully disclosed the invention to Holslag and that—

> I arranged with Mr. Holslag that I would do all of the design work on the forthcoming welding machine and that he would build what I had designed. (Q. 30.)

Holslag denies both the disclosure by Waters to him and the making of any such agreement. He alleges that he was the sole inventor of the invention and that he endeavored to get Waters, who at the time was his intimate friend, to go with him into the commercial development of alternating current welding, but that Waters refused to do so.

The Examiner of Interferences made an exhaustive analysis of the very voluminous record and found that Waters, on whom as the junior party rested the burden of proof with respect to the broadest claims, counts 1 to 33, inclusive, had not established a disclosure of the invention to Holslag; that Holslag had established a conception and a reduction to practice of the invention of all the counts, except count 8, at the latest, in December, 1915, and had embodied the invention in a machine which was publicly used in June, 1917; that he had established a conception and reduction to practice of the invention of count 8 in the late fall of 1917 and that Waters had failed to establish that he was in possession of the invention of any count of the issue prior to Holslag's reduction to practice thereof and putting it into actual use.

The Examiners in Chief agreed with this conclusion except as to count 8, as to which they found corroboration of Holslag's testimony of a reduction to practice at an earlier date in 1917 than that assigned to him by the Examiner of Interferences.

It may be noted, as to counts 34 to 40, that although Waters alleged in his preliminary statement and testified (Q. 94) that he conceived this invention in the latter part of 1916, he offered no corroborating testimony to show that he was in possession of the invention until 1918.

The controversy centers around certain events which occurred in 1915, and particularly certain tests made at the plant of the American Transformer Company in Newark, N. J., and certain work done at the shop of one Steinbock at Peekskill, N. Y.

Waters testified (Q. 28) that in the spring of 1915—

> Mr. Holslag, Mr. Siebenmorgen and myself arranged with Mr. Schermerhorn, of the American Transformer Company of Newark, New Jersey, to allow us to make some tests at his plant—

to determine the feasibility of welding with alternating current, and at that time he told Holslag why the arc would not keep going when a straight resistance was used and would keep going when a reactance was used, and (Q. 29) sketched out a design of a transformer—

> showing two legs, the top and bottom yoke, a primary winding on one leg and a secondary winding on the other leg, various taps on the secondary winding, a few potential taps on the primary winding, an electrode holder connected to the secondary winding and the work to be welded connected to the secondary winding,

and (Q. 30) arranged with Holslag that he (Waters) would do all of the design work and Holslag would build what he had designed. He further testified (Qs. 42 and 46) that in October, 1915, he and Miss Klein, who afterwards became his wife, visited Holslag at his residence in Peekskill, N. Y., and that on this visit he told Holslag he knew the causes of the trouble they were having with the experiments they were making and said:

> • • • You ought to use a real Thomson transformer with a movable core inserted between the two outer legs, a top and bottom yoke, a primary winding on one leg, a secondary winding closely associated with the above primary winding on the same leg, a secondary winding on the other leg, the two secondary windings being connected in series in such a direction as to both act the same in regard to raising or lowering the voltage, taps on the secondary winding to obtain various welding currents, and electrode holder connected to one tap on the secondary winding and the work to be welded connected to the free end of the secondary winding associated with the primary.

He then states that Holslag said this transformer would not work and after some discussion he suggested that they go to Steinbock's shop and adapt one of the earlier machines to "what I say" and—

> we thereupon went to Mr. Steinbock's house and Mr. Steinbock, Mr. Holslag and myself rode to Mr. Steinbock's shop. We took the circular core machine which was still there, wound a few turns of heavy wire around the primary winding, connected this additional winding to the existing secondary winding and took some laminated iron, the length of which was slightly less than the inside diameter of the iron core and we placed these laminations inside of the core on a diameter of the core between the secondary and primary windings so that the flux produced by the primary could be made to enter either the leg having only a secondary winding or the laminations which we inserted.

There is no corroboration of Waters's alleged disclosures of the invention to Holslag, or of his testimony that he and Holslag, in connection with Steinbock, ever rewound a circular core transformer at Steinbock's shop.

Waters's statement as to the visit to the American Transformer Company gives the impression that it was made at his suggestion, but Siebenmorgen, who was called as a witness by Waters, testifies that Waters and Holslag were sent at his suggesion by Mr. Currie, who was their superior officer in the New York Central Railway Company. Siebenmorgen states (Q. 7) that he told Currie that it was possible to weld successfully directly from an alternating current line without the interposition of any cumbersome generating apparatus, and that—

> Mr. Currie doubted my statements and was plain in stating so. I then prevailed on Mr. Currie to send Mr. Waters and Mr. Holslag with me for the demonstration of the facts. I arranged with the American Transformer Company to allow me to use some of their apparatus and the demonstration was eventually made as originally conceived.

The scheme tried out at the American Transformer Company was not within the issue since it did not involve the specified arrangement of coils on the core, but was a scheme for using both a reactance and resistance in the secondary circuit, such as is disclosed in the patent to Arendt, and the design which Waters says, in his answer to Q. 29, that he sketched out following the test at the American Transformer Company, does not fall within the issue, not having the secondary winding on both legs.

There is much testimony and controversy as to the dates on which these tests took place but it is established by the records of the Amreican Transformer Company that tests were made on July 13, 1915 (see Hunter's testimony, Qs. 4 to 7, Holslag's record, p. 615, and Holslag's Exhibits 63 and 64).

The only importance of the date of this test is as showing whether a certain experiment, hereafter to be referred to, in which a U-shaped strap of iron was used, was done on Labor Day or on Memorial Day, 1915.

It is the claim of Waters that, following these tests in Newark, Holslag went with him repeatedly to Steinbock's garage in Peekskill, N. Y., and made a number of tests or experiments during the summer of 1915.

Steinbock testifies as to work done at his shop, but he does not state that a circular core was used which was rewound, as testified to by Waters in his answer to Q. 46. Furthermore, he states expressly that the tests made with the transformer having a circular core made of laminations, brought to the shop by Holslag, were unsuccessful and they could not hold the arc or weld to any extent (Qs. 43 to 51, Water's record, p. 132, 133).

Holslag testifies (Q. 41) that on Labor Day, 1915, he was in Steinbock's garage and that he improvised a welding apparatus, using a U-shaped piece of iron upon which primary and secondary coils were wound and that after some difficulties, due to the kind of wire used, he welded a broken tire-retaining ring which had been brought to the shop by a chauffeur. He is corroborated as to the making of this apparatus and the test by Steinbock, who testified for Waters, although Steinbock says that he learned afterwards the weld did not hold.

Steinbock testifies that this experiment was made on Labor Day, 1915, fixing the date by a bill for wire, which he says was the wire used, which bill is dated September 8, 1915, (Qs. 10–18), but afterwards he says (Q. 33) that he is sure the U experiment was made on a holiday, and that his recollection had always been that that holiday was Decoration Day until he saw the bill for the wire; but, however, after reading over Mr. Holslag's letter (referring to the letter which is in evidence as Waters's Exhibit B) he is positive that the experiment was made on Decoration Day.

There are many reasons for concluding that Holslag is right as to the date when this U experiment was made and that Steinbock was in error in fixing it as on Decoration Day.

In the first place it is not probable that Holslag would have said nothing about this experiment to Waters, with whom he was then on the most intimate terms, if, as a matter of fact, that experiment had been made before the tests at the American Transformer Company, which has been pointed out were made as late as July 13, 1915.

In the second place Harry Steinacker, who had stated, when testifying as a witness for Waters, that he saw this experiment and that it took place in the spring of 1915, is shown to have been clearly mistaken by his subsequent testimony when called as a witness for Holslag.

When testifying for Waters, he stated that he had been employed by Steinbock since the latter went into business for himself in 1915 (Q. 4) and that he had previously been employed by the Winchester Repeating Arms Company, of New Haven (XQ. 31) and that he fixes the date of the experiment as being in the spring because he can remember that it was in the spring and that he knew it was a holiday (XQ. 46), and that he knew it was a holiday because no one of the other men was working in the shop and the only time "we" shut down was Sundays and holidays (XQ. 47) and that he did not return to the shop until the next day (XQ. 52).

Steinbock, however, testifies that Harry Steinacker began to work for him a week before September 11, 1915 (Holslag's record, p. 1011, Q. 39), and Harry Steinacker, when called as a witness for Holslag, admits that he worked for the Winchester Repeating Arms Company until September 8, 1915 (Holslag's record, p. 1055, Q. 19), and that he came to his home in Peekskill on Decoration Day of that year and returned to New Haven on May 31st (Qs. 32 to 37). It thus would have been impossible for him to have seen the U experiment

on Memorial Day if, as he states, it occurred at a time when he was working for Steinbock and he returned to the shop on the day after the holiday.

It further appears that the meter of the Peekskill Lighting and Railroad Company was not installed in Steinbock's shop until August 23, 1915 (Bagley, Q. 8), and that therefore the disturbance on the line and the blowing out of fuses, which several of the witnesses testified took place as a result of Holslag's experiments made with the U-shape bar of iron, could not have taken place as early as Memorial Day of 1915.

Bagley, a witness called on behalf of Holslag, testifies, on cross-examination, that there was a two-phase power circuit in the building in which Steinbock's shop was located, supplying current to the Anderson Machine Works, and that he believes that Steinbock hooked on to the Anderson service wires for temporary power (XQ. 33 and 34).

Waters contends that this testimony shows that Holslag was working in Steinbock's shop prior to Labor Day, 1915; but Bagley does not testify that he knew that Steinbock had hooked onto the Anderson service wires and, moreover, he testifies that he can not fix, with any definiteness, the time when Holslag and Steinbock told him they were working on the development of an electrical device (XQ. 22, 24 and 25), but that he thinks it was about a month or a month and a half before the meter was installed in Steinbock's shop on August 23, 1915.

This testimony clearly does not show that the U experiment was made as early as Memorial Day, 1915, and Bagley's statement as to his general recollection of the time when Holslag and Steinbock told him they were working together, given more than five years later, can not be taken to establish that they were working together prior to Labor Day, 1915.

The testimony with respect to Holslag's Exhibit 3, which is a transformer having a circular core, has been fully analyzed by the Examiner of Interferences and it is not deemed necessary to repeat that analysis, but it is sufficient to say that all the testimony with reference thereto and the brief for Waters have been fully considered, but that no error is found in the holding of the Examiner of Interferences that this exhibit, as rewound in the latter part of 1915 at West Albany, N. Y., by McAllister and Gustafson, embodies the invention of all the counts except count 8 and that welding was successfully done with it at that time. (See the testimony of McAllister, Q. 8; Messer, Q. 22 and XQ. 189; and Gustafson, Q. 15 et seq.)

The further development of Holslag's work is also fully set forth in the decision of the Examiner of Interferences, and it appears that a transformer embodying the invention of all the counts, except count 8, was used on what is known in the record as the "Putnam bridge job" and on the pole-welding job for the New York Central Railway in 1917, the "Putnam bridge job," which was the welding of a boiler, having been done in June, 1917, and the pole-welding job in the latter part of 1917. The record shows that the invention of count 8 was reduced to practice by Holslag at least as early as December 1, 1917.

There are inconsistencies in Holslag's testimony in this case when compared with his testimony in interference No. 43,739 as to his working at Steinbock's shop in the summer of 1915 prior to Labor Day, and he gives a rather disingenuous explanation of the use of the pronoun "we" in a letter which he wrote in reference to the alternating-current welding scheme, in which he makes reference to Woticky (Waters's name at that time), which letter is in evidence as Waters's Exhibit H and will be hereafter further referred to; but these are not regarded as such as to warrant a refusal to believe Holslag's story as to the conception and development of the invention in view of the corroboration by others.

That Holslag and Waters had had discussions as to electric welding with an alternating current seems to be established, but it does not appear from the testimony with reference thereto that Waters at any time had disclosed the invention in issue to Holslag, nor can the conclusion be drawn from the fact of these discussions that such disclosures had been made.

Waters relies strongly upon the letters which are in evidence as Waters's Exhibits B, D, E, G, H, and Z as showing that he had disclosed the invention of counts 1 to 33 to Holslag. The first of these letters is a letter dated December 30, 1916, (Waters' Exhibit B), written by Holslag to Schuetz, asking for his opinion as to its patentability. In this letter occurs the following:

> This scheme was brought to a workable state by C. B. Woticky and myself between the 4th of July and Labor Day, 1915, at the Steinbock Machine Works, Peekskill, N. Y., and the original apparatus has been and still is in use at that place.

This letter was accompanied by a memorandum and drawing showing a core with the primary coil and one coil of the secondary on one leg and another coil of the secondary on the other leg and a movable flux diverter.

Waters's Exhibits D and E are, respectively, a letter from Holslag to Woticky (Waters) and a sheet of sketches, in which is shown a circular core transformer. This sheet of sketches, which is a carbon copy, bears Holslag's name in carbon and the name, C. B. Woticky, written in pencil.

Waters's Exhibits G and H are letters signed by Holslag and addressed to the Siemund-Wenzel Welding Company and the Quasi-Arc Company, which Holslag sent to Woticky with a letter dated September 28, 1916 (in evidence as Waters's Exhibit F), in which he asked Woticky to sign and mail them. These letters are the ones which use the plural pronoun "we", the first sentence of exhibit H reading: "We have recently developed and tried out", etc.

Exhibit Z is a letter dated April 7, 1916, written to Mr. Rumney, of the Siemund-Wenzel Company of New York, describing the alternating-current welding. The first paragraph of this letter reads as follows:

> As per our conversation of two days ago, I talked with Mr. C. B. Woticky, my partner in this AC welding scheme, who says he would be glad to let you have our developments to date in this line if they are worth anything. With our developments we arrived at the point where we were able to weld from a simple small transformer direct from the terminals of the 1. e., no reactance or resistance in the welding circuit.

Holslag states in his testimony that these letters merely showed that Waters was regarded by him as his partner in the alternating-current-welding scheme (XQ 1164) and that the words in the letter, Waters's Exhibit B, "was brought to a workable state by C. B. Woticky and myself between the 4th of July and Labor Day, 1915," refer to the work that Waters and he did in the summer of 1915 at the American Transformer Company and that on December 30, 1916, he was still trying to get Waters to go in with him on the alternating-current-welding scheme in general, but that Waters constantly belittled it and did absolutely nothing except to go over to the American Transformer Company with him.

While, as above stated, Holslag's explanation of the use of the pronoun "we" is disingenuous, these letters do not show that Waters and not Holslag was the inventor of the invention in issue nor do they show that Holslag was working on that invention at Steinbock's shop prior to Labor Day, 1915. The most favorable construction to Waters that could be put upon them is that they constitute an admission by Holslag of joint inventorship, but both parties disclaim joint inventorship and Waters testifies positively that he was the sole inventor.

There is in evidence as Holslag's Exhibit No. 24 a letter from Waters to Holslag, dated December 31, 1916, in which occurs the following:

> Concerning the electric welding: it looks as if I will be unable to devote much time to it for the next six months. I have been sick with an attack of grippe since Christmas so I am way behind in my work and I don't like to go into something in a half-hearted manner. You can therefore consider this as a release on your part.

Obviously a man can not release his inventorship, and this letter is more consistent with Holslag's claim that he and Waters were partners than with any claim of Waters as now made that he was the inventor.

In the brief for Waters (p. 39) it is stated that this release "might as a matter of fact, and doubtless does, refer to anything that Holslag might develop after the letter was written". This does not seem to be a logical construction to put upon the letter and it is significant that Waters nowhere testifies that that was his intent when he wrote that letter.

There is a very significant sentence in this letter—namely, the one following the matter above quoted, in which Waters says:

> However, if you want my idea of something good, here it is—an efficient and cheap lightning arrester.

This is followed by a drawing and a description of a lightning arrester.

There is another significant fact with respect to Water's present claim of inventorship of the broader invention—namely, that when he filed his application No. 243,002, on July 2, 1918, which shows a core having a third leg with a part of the secondary winding thereon, only limited claims were made therein, although the disclosure of this application will support the broader claims of the issue, and it was not until after Holslag's patents had issued on June 3, 1919, that Waters copied the broad claims therefrom.

As to counts 34 to 40, Waters testifies that in 1916 he conceived the means for eliminating the movable core—that is, the so-called flux diverter, and that he made sketches showing the three-legged core with one of the secondary windings thereon. This is one of the constructions shown in his first application. He claims to have disclosed this to Klein late in 1916 and also to have disclosed it to Sindeband, Feldman, Rohman, and Coburn, but he does not specifically state at what time it was disclosed to these parties.

Klein, who is Waters's father-in-law, was one of Waters's witnesses, but he was not asked as to any disclosure to him in 1916, and he does not testify as to any disclosure prior to 1918.

Sindeband testifies to nothing with reference to this invention which took place prior to 1918, and the other parties named by Waters were not called. This date of 1918 was long subsequent to the time when Holslag had actually reduced the invention of all the counts to practice.

It may be noted here that the welding of the boiler at the Putnam bridge which was done in June, 1917, was apparently a public use of the invention and that this date is more than two years prior to the filing of the three later Waters's applications and would therefore be a bar to the grant of any claims to Waters, even if he had been the first inventor, unless they are supported by the disclosure of his 1918 application.

[2] The decision of the Examiners in Chief awarding priority to Holslag is affirmed.

Supreme Court of the United States.

WILLIAM R. WARNER & COMPANY *v.* ELI LILLY & COMPANY.

Decided June 9, 1924.

[265 U. S. 526.]

1. TRADE-MARKS—DESCRIPTIVE NAMES.
   Names which are merely descriptive of the ingredients, qualities, or characteristics of an article of trade, such as the names "Coco-Quinine" and "Quin-Coco" applied to a liquid preparation of quinine in combination with chocolate and other things, can not be appropriated as trade-marks.

2. SAME—SAME.
   The use of a name similar to that already employed by another, truthfully to describe one's own product, is not a legal or moral wrong, even if its effect be to cause the public to mistake the origin or ownership of that product.

3. UNFAIR COMPETITION.

A. first made and marketed a liquid preparation containing quinine and other drugs compounded with chocolate to give it color and flavor and to aid in suspending the quinine. B. then, using chocolate, produced an article of the same taste and appearance, but sold cheaper, and to reap A.'s trade suggested to retail druggists the feasibility and economy of passing off the one for the other, when dispensed out of the bottle, which was done in many and divers instances.

Held: (a) That B. was guilty of unfair competition.

(b) He who induces another to commit a fraud and furnishes the means is equally guilty.

(c) When several acts of unfair competition are shown, there is warrant for concluding that they will continue, and equity will afford adequate relief by injunction.

(d) The injunction in this case should forbid B. and his agents from directly or indirectly representing or suggesting to his customers the feasibility or possibility of passing off B.'s product for A.'s, and may well require that his original packages sold to druggists shall bear labels not only distinguishing B.'s bottled product from A.'s, but also stating affirmatively that B.'s preparation is not to be sold or dispensed as A.'s or be used in filling prescriptions or orders calling for the latter.

(e) But the use by B. of chocolate as an ingredient of his preparation should not be forbidden.

275 Fed. 752 reversed.

APPEAL from a decree of the circuit court of appeals which reversed a decree of the district court dismissing on the merits a suit brought by the above-named respondent to enjoin the petitioner from continuing to manufacture a medicinal preparation called Quin-Coco, if flavored with chocolate, and from continuing the use of that name.

Mr. George W. Wickersham and *Mr. Francis Rawle*, with whom *Mr. Roger S. Baldwin* and *Mr. Joseph W. Henderson* were on the briefs, for the petitioner.

Mr. E. W. Bradford for the respondent.

Mr. Justice SUTHERLAND delivered the opinion of the Court.

Respondent is a corporation engaged in the manufacture and sale of pharmaceutical and chemical products. In 1899 it began and has ever since continued to make and sell a liquid preparation of quinine, in combination with other substances, including yerba santa and chocolate, under the name of Coco-Quinine.

Petitioner also is a pharmaceutical and chemical manufacturer. The Pfeiffer Chemical Company, Searle & Hereth Company, and petitioner are under the same ownership and control. The first-named company in 1906 began the manufacture of a liquid preparation which is substantially the same as respondent's preparation and which was put upon the market under the name of Quin-Coco. Two years later the Searle & Hereth Company engaged in the manufacture of the preparation, which ever since has been sold and distributed by petitioner.

This suit was brought in the Federal District Court for the Eastern District of Pennsylvania by respondent to enjoin petitioner from continuing to manufacture and sell the preparation if flavored or colored with chocolate; and also from using the name Quin-Coco, on the ground that it was an infringement of the name Coco-Quinine, to the use of which respondent had acquired an exclusive right. The district court decided against respondent upon both grounds. 268 Fed. 156. On appeal the court of appeals ruled with the district court upon the issue of infringement but reversed the decree upon that of unfair competition. 275 Fed. 752.

The entire record is here and both questions are open for consideration.

[1, 2] First. We agree with the courts below that the charge of infringement was not sustained. The name Coco-Quinine is descriptive of the ingredients which enter into the preparation. The same is equally true of the name Quin-Coco. A name which is merely descriptive of the ingredients, qualities, or characteristics of an article of trade can not be appropriated as a trade-mark and the exclusive use of it afforded legal protection. The use of a similar name by another to truthfully describe his own product does not constitute a legal or moral wrong, even if its effect be to cause the public to mistake the origin or ownership of the product. *Canal Co.* v. *Clark*, 13 Wall. 311, 323, 327; *Standard Paint Co.* v. *Trinidad Asphalt Co.*, 165 O. G. 971; 1911 C. D. 530; 220 U. S. 446, 453; *Howe Scale Co.* v. *Wyckoff, Seamans & Benedict*, 116 O. G. 209; 1905 C. D. 717; 198 U. S. 118, 140.

Second. The issue of unfair competition, on which the courts below differed, presents a question of more difficulty. The testimony is voluminous, more than 200 witnesses having been examined; but, since the question with which we are now dealing is primarily one of fact, we have found it necessary to examine and consider it. Nothing is to be gained by reviewing the evidence at length, and we shall do no more than summarize the facts upon which we have reached our conclusions.

[3a, 3b] The use of chocolate as an ingredient has a threefold effect: It imparts to the preparation a distinctive color and a distinctive flavor, and, to some extent, operates as a medium to suspend the quinine and prevent its precipitation. It has no therapeutic value; but it supplies the mixture with a quality of palatability for which there is no equally satisfactory substitute. Respondent, by laboratory experiments, first developed the idea of the addition of chocolate to the preparation for the purpose of giving it a characteristic color and an agreeable flavor. There was at the time no liquid preparation of quinine on the market containing chocolate, though there is evidence that it was sometimes so made up by druggists when called for. There is some evidence that petitioner endeavored by experiments to produce a preparation of the exact color and taste of that produced by respondent; and there is evidence in contradiction. We do not, however, regard it as important to determine upon which side lies the greater weight. Petitioner, in fact, did produce

a preparation by the use of chocolate so exactly like that of respondent that they were incapable of being distinguished by ordinary sight or taste. By various trade methods an extensive and valuable market for the sale of respondent's preparation already had been established when the preparation of petitioner was put on the market. It is apparent, from a consideration of the testimony, that the efforts of petitioner to create a market for Quin-Coco were directed not so much to showing the merits of that preparation as they were to demonstrating its practical identity with Coco-Quinine, and, since it was sold at a lower price, inducing the purchasing druggist, in his own interest, to substitute, as far as he could, the former for the latter. In other words, petitioner sought to avail itself of the favorable repute which had been established for respondent's preparation in order to sell its own. Petitioner's salesmen appeared more anxious to convince the druggists with whom they were dealing that Quin-Coco was a good substitute for Coco-Quinine and was cheaper, than they were to independently demonstrate its merits. The evidence establishes by a fair preponderance that some of petitioner's salesmen suggested that, without danger of detection, prescriptions and orders for Coco-Quinine could be filled by substituting Quin-Coco. More often, however, the feasibility of such a course was brought to the mind of the druggist by pointing out the identity of the two preparations and the enhanced profit to be made by selling Quin-Coco because of its lower price. There is much conflict in the testimony, but on the whole it fairly appears that petitioner's agents induced the substitution, either in direct terms or by suggestion or insinuation. Sales to druggists are in original bottles bearing clearly distinguishing labels and there is no suggestion of deception in those transactions; but sales to the ultimate purchasers are of the product in its naked form out of the bottle; and the testimony discloses many instances of passing off by retail druggists of petitioner's preparation when respondent's preparation was called for. That no deception was practiced on the retail dealers, and that they knew exactly what they were getting is of no consequence. The wrong was in designedly enabling the dealers to palm off the preparation as that of the respondent. *Coca Cola Co.* v. *Gay-Ola Co.*, 200 Fed. 720; *N. K. Fairbank Co.* v. *R. W. Bell Manuf'g. Co.*, 77 Fed. 869, 875, 877–878; *Lever* v. *Goodwin*, L. R. 36 Ch. Div. 1, 3; *Enoch Morgan's Sons* v. *Whittier-Coburn Co.*, 118 Fed. 657, 661. One who induces another to commit a fraud and furnishes the means of consummating it is equally guilty and liable for the injury. *Hostetter Co.* v. *Brueggeman-Reinert Distilling Co.*, 56 O. G. 590; 1891 C. D. 460; 46 Fed. 188, 189.

[3c] The charge of unfair competition being established, it follows that equity will afford relief by injunction to prevent such unfair competition for the future. Several acts of unfair competition having been shown, we are warranted in concluding that petitioner is willing to continue that course of conduct, unless restrained. *Hennessy* v. *Wine Growers' Ass'n*, 212 Fed. 308, 311. It remains to consider the character and extent of this relief.

Respondent has no exclusive right to the use of its formula. Chocolate is used as an ingredient not alone for the purpose of imparting a distinctive color, but for the purpose also of making the preparation peculiarly agreeable to the palate, to say nothing of its effect as a suspending medium. While it is not a medicinal element in the preparation, it serves a substantial and desirable use, which prevents it from being a mere matter of dress. It does not merely serve the incidental use of identifying the respondent's preparation, *Coca Cola Co.* v. *Gay-Ola Co.*, *supra*, p. 724, and it is doubtful whether it should be called a non-essential. The petitioner or anyone else is at liberty under the law to manufacture and market an exactly similar preparation containing chocolate and to notify the public that it is being done. *Saxlehner* v. *Wagner*, 152 O. G. 490; 1910 C. D. 509; 216 U. S. 375, 380; *Chadwick* v. *Covell*, 151 Mass. 190. But the imitator of another's goods must sell them as his own production. He can not lawfully palm them off on the public as the goods of his competitor. The manufacturer or vendor is entitled to the reputation which his goods have acquired and the public to the means of distinguishing between them and other goods; and protection is accorded against unfair dealing whether there be a technical trade-mark or not. The wrong is in the sale of the goods of one manufacturer or vendor as those of another. *Elgin National Watch Co.* v. *Illinois Watch Case Co.*, 94 O. G. 755; 1901 C. D. 273; 179 U. S. 665, 674. If petitioner had been content to manufacture the preparation and let it make its own way in the field of open and fair competition, there would be nothing more to be said. It was not thus content, however, but availed itself of unfair means, either expressly or tacitly, to impose its preparation on the ultimate purchaser as and for the product of respondent.

[3d, 3e] Nevertheless, the right to which respondent is entitled is that of being protected against unfair competition, not of having the aid of a decree to create or support, or assist in creating or supporting, a monopoly of the sale of a preparation which everyone, including petitioner, is free to make and vend. The legal wrong does not consist in the mere use of chocolate as an ingredient, but in the unfair and fraudulent advantage which is taken of such use to pass off the product as that of respondent. The use dissociated from the fraud is entirely lawful, and it is against the fraud that the injunction lies. But respondent being entitled to relief, is entitled to effective relief; and any doubt in respect of the extent thereof must be resolved in its favor as the innocent producer and against the petitioner, which has shown by

its conduct that it is not to be trusted. Clearly, the relief should extend far enough to enjoin petitioner, and its various agents, from, directly or indirectly, representing or suggesting to its customers the feasibility or possibility of passing off Quin-Coco for Coco-Quinine. The court of appeals held that petitioner should be unconditionally enjoined from the use of chocolate. We think this goes too far; but, having regard to the past conduct of petitioner, the practices of some druggists to which it has led, and the right of respondent to an effective remedy, we think the decree fairly may require that the original packages sold to druggists shall not only bear labels clearly distinguishing petitioner's bottled product from the bottled product of respondent, but that these labels shall state affirmatively that the preparation is not to be sold or dispensed as Coco-Quinine or to be used in filling prescriptions or orders calling for the latter. With these general suggestions, the details and form of the injunction can be more satisfactorily determined by the district court. The decree of the court of appeals is reversed and the cause remanded to the district court for further proceedings in conformity with this opinion.

Reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

882,517, Dwight & Lloyd, Process of treating ores; Re. 13,758, same, Calcining, desulphurizing, agglomerating, and sintering ores and like material; 1,102,982, A. S. Dwight, Apparatus for roasting and sintering ores; 1,254,316, same, Process of treating ores; 1,433,349, same, Process and apparatus for treating ores to sinter them; 1,433,350, same, Ore desulphurizing and sintering apparatus; 1,433,351, same, Process of treating ores to sinter them; 1,433,352, same, Apparatus for treating ores to sinter them, suit filed Feb. 28, 1925, D. C., S. D. Ohio (E. Div.), Doc. 345, *Dwight & Lloyd Sintering Co., Inc.*, v. *American Rolling Mill Co.* Same, suit filed Feb. 24, 1925, D. C., E. D. Pa., Doc. 3267, *Dwight & Lloyd Sintering Co.* v. *Robesonia Iron Co.* Same, suit filed Feb. 28, 1925, D. C., E. D. Pa., Doc. 3277, *Dwight & Lloyd Sintering Co.* v. *Bethlehem Steel Co.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,180,159, I. Langmuir, Incandescent electric lamp, final consent decree for an injunction July 28, 1924, D. C., S. D. N. Y., Doc. E 23/366, *General Electric Co.* v. *P. R. Mallory & Co., Inc.*

1,018,502, Just & Hanaman, Incandescent body for electric lamp; 1,082,933, W. D. Coolidge, final consent decree for plaintiff for an injunction Feb. 18, 1925, D. C. Mass., Doc. E 2061, *General Electric Co.* v. *Salem Lamp Co. et al.*

1,082,933. (See 1,018,502.)
1,102,982. (See 882,517.)
1,180,159. (See 1,018,502.)
1,186,856, E. A. Sperry, Gyroscopic apparatus; 1,242,065, same, Ship's gyroscopic compass set; 1,255,480, same, Gyroscopic navigation apparatus; 1,279,471, same, Gyroscopic compass; 1,300,890; same, Navigational instrument; 1,408,062, same, correction device for repeater compasses; 1,296,439, same, Multiple-turret target indicator; 1,330,501, H. L. Tanner, Damping means for gyroscopic compasses; 1,378,296, same, Electrical distribution system for gyroscopic compasses, suit filed Mar. 10, 1925, C. of Claims, D. of C., Doc. E 151, *The Sperry Gyroscope Co.* v. *The United States.*

1,191,306, T. A. Hoover, Bumper for vehicle; 1,221,800, same, Automobile bumper; 1,427,275, R. B. Fageol, same; 1,397,741, F. R. Procunier, same, decree pro confesso, holding patents valid and infringed and granting injunction, Jan. 20, 1925, D. C., S. D. Calif., Doc. I 62–B, *American Chain Co., Inc., et al.*, v. *W. E. Sheehan (Sheehan Tool & Machine Co.).* Same, Doc. I 63–B, *American Chain Co., Inc.*, v. *W. M. Donegan (D. H. & M. Bumper Co.).*

1,221,800. (See 1,191,306.)
1,242,065. (See 1,186,856.)
1,254,316. (See 882,517.)
1,255,480. (See 1,186,856.)
1,279,471. (See 1,186,856.)
1,296,439. (See 1,186,856.)
1,300,890. (See 1,186,856.)

1,307,734, A. V. Gullborg, Lubricating means, suit filed Mar. 3, 1925, D. C., S. D. Iowa, (Davenport Div.), Doc. 4069, *The Bassick Mfg. Co.* v. *Horst & Wilkinson Co., Inc.*

1,307,734, A. V. Gullborg, Lubricating means; 1,401,765, E. W. Davis, Lubricating system; Re. 14,667, F. D. Winkley, same; 1,459,662, C. W. Manzel, same, interlocutory decree Mar. 4, 1925, Patent 1,307,734, claims 1, 2, 4, 8, 12, and 15 valid and infringed, claim 7 not infringed; Re. 14,667, claims 6 and 12 not infringed; 1,459,662, claims 8 and 9 not infringed; perpetual injunction issued, D. C., N. D. Ohio (E. Div.), Doc. 1275, *The Bassick Mfg. Co.* v. *Peerless Automatic Machine Co.* Same, Doc. 1000, *The Bassick Mfg. Co.* v. *The Lyman Mfg. Co. et al.*

1,330,501. (See 1,186,856.)
1,378,296. (See 1,186,856.)
1,397,741. (See 1,191,306.)
1,401,765. (See 1,307,734.)
1,408,062. (See 1,186,856.)
1,427,275. (See 1,191,306.)
1,433,349. (See 882,517.)
1,433,350. (See 882,517.)
1,433,351. (See 882,517.)
1,433,352. (See 882,517.)
1,459,662. (See 1,307,734.)

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, suit filed Mar. 4, 1925, D. C. Minn., 2d Div. (Mankato), Doc. E 66, *The Coca Cola Co.* v. *Mrs. K. Weigand et al. (Albert Lea Bottling Works).* Same, suit filed Mar. 6, 1925, D. C., N. D. Ohio (W. Div.), Doc. 512, *The Coca Cola Co.* v. *H. Levy (Union Smile Bottling Works).*

T. M. 47,189. (See T. M. 22,406.)
Re. 13,758. (See 882,517.)
Re. 14,667. (See 1,307,734.)

TRADE-MARKS

OFFICIAL GAZETTE, MAY 12, 1925.

[VOL. 334. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 172,143. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) FRANCIS H. BURRACOTT, Chicago, Ill. Filed Nov. 17, 1922.

RADIO-PSYCHO-TECTOR

Particular description of goods.—Sex Detectors.
Claims use since Sept. 10, 1922.

Ser. No. 172,452. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) UNITED & GLOBE RUBBER COMPANY, Trenton, N. J. Filed Nov. 23, 1922. Under ten-year proviso.

SAFETY

Particular description of goods.—Inner Tubes.
Claims use since September, 1887.

Ser. No. 178,877. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) SAMUEL S. STALEY, Reading, Pa. Filed Apr. 9, 1923.

MASTER-METALS

No claim is made to the word "Metals" apart from the mark as shown.
Particular description of goods.—Compound Metals Containing Zinc and Copper.
Claims use since Jan. 1, 1922.

Ser. No. 182,214. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LÉON JACQUIN, doing business as L. Jacquin, Paris, France. Filed June 19, 1923.

VJF

Particular description of goods.—Confectionery Comprising Sugar Almonds, Burnt Almonds, Cachous (Black and Silver Coated), Silver-Coated Sweets, Gold-Coated Sweets, Vanilla Sugar, Gumdrops, Sweetmeats and Lozenges of Gum, Sweetmeats and Lozenges of Licorice, Sweetmeats and Lozenges of Mint, Barley Sugar Sticks, Apple Sugar Sticks, and Cherry Sugar Sticks, Stuffed Caramels, Soft Caramels, Nougats, Creams and Stuffed Creams, Fruit-Flavored Jelly Beans, Frozen Bonbons, Pineapple Comfits in Cubes, Iced Chestnuts, Chestnuts in Sirup, Marzipan, Jams (All Fruits), Chocolate Candies, Chocolate in Tablets, Milk Chocolate, Cream Chocolate, Cocoa, Molds Made of Chocolate.
Claims use since Feb. 24, 1904.

Ser. No. 184,664. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GEBR. KRUSIUS, INC., Solingen, Germany. Filed Aug. 18, 1923.

Governor

Particular description of goods.—Table Knives, Forks, and Spoons of Steel, Pewter, Iron, and Brass; Penknives, Scissors, Carving Sets, and Razors.
Claims use since January, 1921.

Ser. No. 186,142. (CLASS 12. CONSTRUCTION MATERIALS.) THE LIVERPOOL BORAX CO. LTD., Liverpool, England. Filed Sept. 24, 1923.

RITO

Particular description of goods.—Cement Manufactured From Mineral and Other Substances for Building Purposes.
Claims use since Jan. 11, 1917.

Ser. No. 188,072. (CLASS 12. CONSTRUCTION MATERIALS.) L. GEO. SRESOVICH, doing business as L. George Sresovich Co., Miami, Fla. Filed Nov. 6, 1923.



No claim is made to the words "Protects" and "Preserves" apart from the trade-mark shown on the drawing.
Particular description of goods.—Liquid Roofing and Plastic Cement.
Claims use since December, 1921.

Ser. No. 189,183. (CLASS 39. CLOTHING.) TRIPLE A HOSIERY COMPANY, INC., New York, N. Y. Filed Nov. 26, 1923.



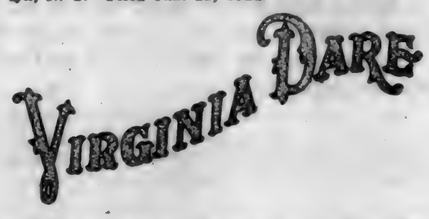
Aside from the mark as shown the use of the representation of the goods is disclaimed.
Particular description of goods.—Hosiery.
Claims use since Oct. 8, 1923.

Ser. No. 189,491. (CLASS 3, BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKET-BOOKS.) EMILE CHAPOTAT, Vienne, France. Filed Dec. 11, 1923.

"VA-ET-VIENT"

Particular description of goods.—Collapsible Packing Cases.
Claims use since May 2, 1923.

Ser. No. 191,108. (CLASS 45. BEVERAGES, NONALCOHOLIC.) VIRGINIA DARE EXTRACT CO. INC., Brooklyn, N. Y. Filed Jan. 21, 1924.



The trade-mark drawing is lined for gold or yellow.
Particular description of goods.—Syrups, Concentrates, and Emulsions for the Preparation of Soft Drinks.
Claims use since Oct. 24, 1922.

Ser. No. 191,893. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

BIPEC

Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,896. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

BURFO

Trade-mark consists of the word "Burfo."
Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,898. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

GABES

Trade-mark consists of the word "Gabes."
Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,899. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

GAFUB

Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of the Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,900. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

JAKLE

Trade-mark consists of the word "Jakle."
Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,902. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

SIRAB

Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of the Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,903. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

SUNOR

Trade-mark consists of the word "Sunor."
Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 191,904. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MERIDIAN TEXTILE CORPORATION, New York, N. Y. Filed Feb. 6, 1924.

WELTA

Trade-mark consists of the word "Welta."
Particular description of goods.—Blankets Made of Cotton, Woolen, and Mixtures of Same.
Claims use since on or about Jan. 1, 1922.

Ser. No. 192,161. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Feb. 11, 1924.

VEEDOL GRESOL

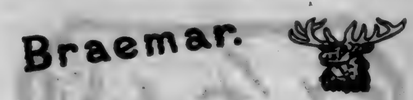
Particular description of goods.—Lubricating Greases.
Claims use since Jan. 28, 1924.

Ser. No. 192,162. (CLASS 15. OILS AND GREASES.) TIDE WATER OIL COMPANY, Bayonne, N. J., and New York, N. Y. Filed Feb. 11, 1924.

VEEDOL GREEZOL

Particular description of goods.—Lubricating Grease.
Claims use since Jan. 28, 1924.

Ser. No. 192,389. (CLASS 39. CLOTHING.) INNES, HENDERSON & CO. LTD., Hawick, Scotland. Filed Feb. 16, 1924.



Particular description of goods.—Knitted Underwear for Men and Women; Men's Trousers, Jackets, and Sweaters; Boys' and Girls' Knitted Jerseys and Knickers; Women's Jumpers, Dresses, Coats, and Costumes Made of Wool, Cashmere and Wool, Silk, and Silk and Wool.
Claims use since July 1, 1909.

Ser. No. 193,027. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BURNDEPT LIMITED, London, England. Filed Feb. 29, 1924.

BURNDEPT

Particular description of goods.—Wireless Apparatus—Namely, Accumulators, Aerial Equipment, Amplifiers, Loud Speakers, Coils, Coil Holders, Condensers; Detectors—Namely, Crystals, Vacuum Tubes, and Vacuum Tube Units; Dry and Wet Batteries, Grid Leaks, Insulators, Complete Radio Receiving Sets, Loud Speakers, Head Phones, Rheostats, Switches, Transformers, Wave Traps, Insulated Wire, Telephone Plugs, and Terminals.
Claims use since 1921.

Ser. No. 193,089. (CLASS 37. PAPER AND STATIONERY.) JOSEPH M. BERGER, doing business as Ye Personal Press, Los Angeles, Calif. Filed Mar. 1, 1924.

Ye Personal Press

No claim is made to the representation of the sheet of paper and envelope separate and apart from the mark as shown.

Particular description of goods.—Writing Papers and Envelopes.

Claims use since Jan. 31, 1924.

Ser. No. 194,045. (CLASS 39. CLOTHING.) THE BOYSHFORM BRASSIÈRE CO., New York, N. Y. Filed Mar. 19, 1924.

BOYSHFORM

GIVES YOU THAT BOY-LIKE FLAT APPEARANCE

Exclusive use of the words "Gives You That Boy-Like Flat Appearance" apart from the mark as shown in the drawing is disclaimed.

Particular description of goods.—Brassières.

Claims use since June 8, 1919.

Ser. No. 194,138. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TA SAN PRODUCTS CO., Hollywood, Los Angeles, Calif. Filed Mar. 20, 1924.

TA SAN

The Superior Face Pack

No claim is made to the border line or the words "Trade-Mark," and "The Superior Face Pack," which are not part of the mark as claimed.

Particular description of goods.—Cosmetics, Particularly Beauty Clay.

Claims use since about Dec. 1, 1923.

Ser. No. 194,436. (CLASS 39. CLOTHING.) CREEL, MAULDIN & CHAMBERS, INCORPORATED, Highland, Ill. Filed Mar. 26, 1924.

RIGID FLEX

Particular description of goods.—Shoes of Leather, Rubber, or Fabric and Combinations Thereof.

Claims use since Oct. 26, 1923.

Ser. No. 194,445. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELMING & HELMING, Lansford, N. Dak. Filed Mar. 26, 1924.

MOUSE RIVER LOOP OF NORTH DAKOTA grown

No claim is made to the words "Mouse River of North Dakota Grown" apart from the mark as shown in the drawing.

Particular description of goods.—Potatoes.

Claims use since Jan. 4, 1924.

Ser. No. 195,572. (CLASS 15. OILS AND GREASES.) CATLIN SHALE PRODUCTS CO., New York, N. Y., and Elko, Nev. Filed Apr. 15, 1924.

VIROIL

Particular description of goods.—Lubricating Oils.

Claims use since March, 1924.

Ser. No. 195,873. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEFIANCE DAIRY PRODUCTS COMPANY, Defiance, Ohio. Filed Apr. 21, 1924.

MEALTIME

Particular description of goods.—Evaporated Milk.

Claims use since Nov. 22, 1923.

Ser. No. 196,788. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GROVER C. BEAR, doing business as G. C. Bear & Co., Detroit, Mich. Filed May 9, 1924.

Carola

Particular description of goods.—Chocolate.

Claims use since Sept. 20, 1923.

Ser. No. 197,267. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) MARSHALL FIELD & COMPANY, Chicago, Ill. Filed May 19, 1924.

TRUEWORTH

Particular description of goods.—Common Pins, Shoe Laces, Crochet Hooks, Twilled Tape, Hooks and Eyes, Celluloid Hairpins, Belting, Safety Pins, Elastic Snap Fasteners, Bias Tape, Shoulder Tape, Combs, and Wire Hairpins.

Claims use on common pins since Sept. 25, 1923; on hose supporters and shoe laces since Feb. 22, 1924; on crochet hooks since Feb. 23, 1924; on twilled tape and hooks and eyes since Feb. 26, 1924; on celluloid hairpins and belting since Mar. 1, 1924; and on dress shields, safety pins, elastic, snap fasteners, bias tape, shoulder tape, combs, and wire hairpins since Feb. 21, 1924.

Ser. No. 198,491. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) WENDELL AND COMPANY, Chicago, Ill. Filed June 12, 1924.

"Wreath of Blossoms"

Particular description of goods.—Finger Rings.

Claims use since Jan. 1, 1923.

Ser. No. 198,882. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ARIZONA ORCHARD COMPANY, Phoenix, Ariz. Filed June 20, 1924.

DALE BRAND

Applicant disclaims the exclusive right to the use of the word "Brand" apart from the mark as shown.

Particular description of goods.—Deciduous Fruits in Their Natural State, Fresh Grapes, Fresh Citrous Fruits, Dried Dates, and Fresh Pomegranates.

Claims use since June 9, 1924.

Ser. No. 199,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DAIRY CHOCOLATE COMPANY, INCORPORATED, Baltimore, Md. Filed June 24, 1924.

ROSE BUD

Particular description of goods.—Cream Peppermints.

Claims use since June 2, 1924.

Ser. No. 199,601. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) B & O CHEMICAL COMPANY, St. Louis, Mo. Filed July 5, 1924.

"B & O"

Particular description of goods.—Composition for Cleaning Type and Rubber Stamps.

Claims use since about May 1, 1924.

Ser. No. 199,679. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. S. CRARY COMPANY, Streator, Ill. Filed July 7, 1924.

SWEETHEART

Particular description of goods.—Canned Vegetables, Canned Fruits, Canned Fish, Canned Oysters, Coffee, Tea, Chocolate, Cocoa, Spices, Condensed Milk, Condiments—Namely, Worcestershire Sauce; Relishes—Namely, Pickles; Oatmeal, Tapioca, Butter, Lard; Bakery Goods—Namely, Crackers; Sugar, Table Sirup, Candy, and Cheese.

Claims use since Apr. 1, 1907.

Ser. No. 199,684. (CLASS 31. FILTERS AND REFRIGERATORS.) EUGÈNE FOUARD, Vincennes, France. Filed July 7, 1924.

SEPTINA

Particular description of goods.—Filtering Devices—Namely, Those Using the So-Called Ultrafiltering Colloidal Membranes.

Claims use since about February, 1924.

Ser. No. 200,074. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WECHSLER BARBER SILK COMPANY, INC., New York, N. Y. Filed July 15, 1924.

SATIN SUPERBE

No claim is made to the exclusive use of the word "Satin" apart from the other features of the mark as shown. Trade-mark consists of the words "Satin Superb."

Particular description of goods.—Silk Piece Goods.

Claims use since on or about May, 1918.

Ser. No. 200,097. (CLASS 17. TOBACCO PRODUCTS.) MARY D'ESTE PERCH, New York, N. Y. Filed July 16, 1924.



Particular description of goods.—Cigarettes.
Claims use since 1912.

Ser. No. 200,589. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. A. BOCHMANN & CO. INC., Philadelphia, Pa. Filed July 26, 1924.

WINCOTE

Particular description of goods.—Worsted and Woolen Dress Goods Manufactured in the Piece.
Claims use since July 12, 1924.

Ser. No. 200,596. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) GEORGE COURMOULIS, New York, N. Y. Filed July 26, 1924.



No claim is made to the words "Knossos Record, George Courmoulis, Founder, New York, U. S. A." apart from the mark shown in the drawing.
Particular description of goods.—Phonograph Records.
Claims use since Jan. 1, 1924.

Ser. No. 201,323. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Aug. 13, 1924. Under ten-year proviso.

HENRY POURCELLE

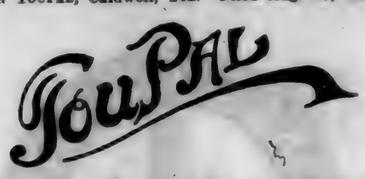
Particular description of goods.—Wood, Wind and Brass Instruments—Namely, Clarinets, Flutes, Piccolos, Fifes, Oboes, Cornets, Trombones, Saxophones, Altos, and Basses.
Claims use since 1890.

Ser. No. 201,360. (CLASS 38. PRINTS AND PUBLICATIONS.) THE MACLUB OF AMERICA, INC., Boston, Mass. Filed Aug. 13, 1924.



Particular description of goods.—Yearbook.
Claims use since July 29, 1922.

Ser. No. 201,383. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN TOUPAL, Caldwell, Tex. Filed Aug. 13, 1924.



Particular description of goods.—Liniment Employed in the External Treatment of Bronchitis, Colds, Pneumonia, Sore Throat, Neuralgia, Headache, Rheumatism, and Lumbago.
Claims use since June 7, 1924.

Ser. No. 201,989. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. WHEATSTONE & CO., London, England. Filed Aug. 28, 1924. Under ten-year proviso.

WHEATSTONE

Particular description of goods.—Concertinas.
Claims use since Jan. 1, 1830.

Ser. No. 202,026. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO MARTINEZ, Valencia, Spain. Filed Aug. 29, 1924.



Particular description of goods.—Eau de Cologne for Hair Dyeing.
Claims use since March, 1924.

Ser. No. 203,026. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLONIAL LAMP & FIXTURE WORKS, Chicago, Ill. Filed Sept. 25, 1924.



The representation of the lamp is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Electric-Lighting Fixtures.
Claims use since Sept. 11, 1924.

Ser. No. 203,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY OATS COMPANY, Keokuk, Iowa. Filed Oct. 4, 1924.

RYOTA

Particular description of goods.—Cereal Product in the Nature of a Breakfast Food.
Claims use since Apr. 1, 1924.

Ser. No. 203,637. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WESTERN FUEL COMPANY, Chicago, Ill. Filed Oct. 9, 1924.

WHITE HOUSE NUT

No claim is made to the exclusive use of the word "Nut" apart from the mark shown on the drawing.
Particular description of goods.—Coal.
Claims use since Sept. 1, 1923.

Ser. No. 203,756. (CLASS 39. CLOTHING.) HARRY SCHWARZSCHILD, doing business as Pedox Produx Company, New York, N. Y. Filed Oct. 11, 1924.

PEDOX

Particular description of goods.—Taps for Shoes, Made of Leather, Rubber, or Composition of Leather and Rubber; Soling Blocks Made of Rubber, Leather, and Composition of Rubber and Leather; Heel Cushions, and Rubber Heels.
Claims use since about Oct. 1, 1924.

Ser. No. 203,806. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE GEORGIA-KINCAID MILLS, Griffin, Ga. Filed Oct. 13, 1924. Under ten-year proviso.

Dundee Mills

Particular description of goods.—Cotton Goods in Piece Form.
Claims use since 1891.

Ser. No. 204,457. (CLASS 39. CLOTHING.) JOSEPH L. KRIGER, Winston-Salem, N. C. Filed Oct. 27, 1924.

Jitrim TRADE MARK

Applicant disclaims the use of the words "Trade-Mark" apart from the mark as shown.
Particular description of goods.—Underwear of Knitted or Textile Fabric, Sweaters, Bathing Suits, Hosiery, Scarfs, Neckties, and Ladies' and Children's Knitted Suits.
Claims use since Sept. 1, 1924.

Ser. No. 204,579. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMERICAN CIRCULAR LOOM COMPANY, Pittsburgh, Pa., and New York, N. Y. Filed Oct. 30, 1924. Under ten-year proviso.



Particular description of goods.—Metal Conduits and Nonmetallic Flexible Conduits for Electric Conductors.
Claims use since about June 1, 1804.

Ser. No. 204,626. (CLASS 39. CLOTHING.) JOSEPH PERSKY, doing business as The Roosevelt Sport Coat Mills, Worcester, Mass. Filed Oct. 30, 1924.

TEDDY COAT

No claim to the exclusive right to the use of the word "Coat" except as accompanied by the word "Teddy."

Particular description of goods.—Sport Coats or Sweaters for Children.

Claims use since Oct. 22, 1924.

Ser. No. 204,652. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ADALGISO ORESTE BORDONI, Milan, Italy. Filed Oct. 31, 1924.

CINETASCA

Particular description of goods.—Small, Complete Motion-Picture Cameras for Standard Films and Parts Thereof.

Claims use since Aug. 1, 1924.

Ser. No. 204,713. (CLASS 39. CLOTHING.) WALTER J. MCCLELLAND, New York, N. Y. Filed Nov. 1, 1924.

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Particular description of goods.—Hosiery.

Claims use since May, 1924.

Ser. No. 204,783. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC SEA FOODS CO., Hoquiam, Wash. Filed Nov. 3, 1924.

PROPELLER

Particular description of goods.—Canned Salmon.

Claims use since July 5, 1924.

Ser. No. 204,962. (CLASS 15. OILS AND GREASES.) GRACE B. CARRAN, doing business as Central Petroleum Company, Cleveland, Ohio. Filed Nov. 7, 1924.

CEN-PE-CO

Particular description of goods.—Lubricating Oils and Greases.

Claims use since Oct. 1, 1924.

Ser. No. 205,449. (CLASS 43. THREAD AND YARN.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Nov. 17, 1924.



Applicant herewith disclaims the words "100% Pure Imported Wool" apart from the mark shown in the drawing.

Particular description of goods.—Woolen Yarns.

Claims use since August, 1924.

Ser. No. 205,460. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WORCESTER TEXTILE CO. INC., Worcester, Mass., and New York, N. Y. Filed Nov. 17, 1924.



Applicant disclaims the word "Hawaii" and the word "Cloth" apart from the mark shown on the drawing.

Particular description of goods.—Textile Fabrics Composed of Silk, Wool, Mohair, or Combinations Thereof.

Claims use since February, 1924.

Ser. No. 205,834. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MICHELE PERUGO, Renate, Milan, Italy. Filed Nov. 25, 1924.

EDORA

Particular description of goods.—Bed Blankets, Bed Covers, Coverlets, and Bedspreads, All Made of Cotton.

Claims use since Oct. 1, 1924.

Ser. No. 205,847. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) AMBY, BECKER & SCHARP COMPANY, New York, N. Y. Filed Nov. 26, 1924.

ABSCO

Particular description of goods.—Radio Receiving Sets.

Claims use since Nov. 1, 1924.

Ser. No. 205,867. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FITCH-THOMAS COMPANY, doing business as The John E. Fitch Co., The Fitch Co., and The Thomas Company, Youngstown, Ohio. Filed Nov. 26, 1924.

Royal Quality



No claim is made for the word "Quality" apart from the mark shown.

Particular description of goods.—Canned Fruits: Apricots, Cherries, Peaches, Plums, Pears, Pineapple; and for the Following Miscellaneous Foods and Ingredients of Foods: Wheat Flour, Rolled Oats, Dried Raisins and Currants, Mincemeat, and Coffee.

Claims use since April, 1906, on preserved fruits and vegetables; since April, 1912, on miscellaneous foods and ingredients of foods.

Ser. No. 205,905. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y. Filed Nov. 28, 1924.



The mark consists in coloring the top of the container blue, the rest of the body being of a contrasting color. No claim is made to the exclusive right to the use of the representation of the container.

Particular description of goods.—Compressed Gases—Namely, Butane, Ethane, Methane, Propane, Ethylene, Ethylene Oxide, and Propylene—in Portable Containers.

Claims use since Jan. 1, 1922.

Ser. No. 206,008. (CLASS 15. OILS AND GREASES.) THE VIRGINIA-CAROLINA OIL CORPORATION, Greensboro, N. C. Filed Dec. 1, 1924.



Applicant disclaims the words "That Better" apart from the mark as shown.

Particular description of goods.—Liquid Fuels, More Particularly Gasoline, and Lubricating Oils.

Claims use since Nov. 1, 1924.

Ser. No. 206,367. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) B. PRIESTLEY & CO., INC., New York, N. Y. Filed Dec. 6, 1924.

"AERPORE"

Particular description of goods.—Woolen, Worsted, Silk, Mohair, and Cotton Piece Goods and Piece Goods Made of a Combination of Two or More of Those Fibers.

Claims use since on or about Feb. 5, 1911.

Ser. No. 206,569. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JAMES B. FITZGERALD, Spartanburg, S. C. Filed Dec. 11, 1924.

BIG BEE

Particular description of goods.—Nonalcoholic, Maltless, Carbonated Beverages Sold as Soft Drinks and Sirup for Making the Same.

Claims use since Dec. 6, 1924.

Ser. No. 206,588. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NUNNALLY COMPANY, Atlanta, Ga. Filed Dec. 11, 1924.



VANITY FAIR

The picture of the girl is fanciful.

Particular description of goods.—Chocolates and Bonbons.

Claims use since Dec. 1, 1924.

Ser. No. 206,673. (CLASS 17. TOBACCO PRODUCTS.) MARK M. LEICHTER, doing business as Lickter's Egyptian Smoke Shop, Hollywood, Calif. Filed Dec. 13, 1924.



No claim is made to the words "Lickters Egyptian Smoke Shop" apart from the mark shown in the drawing.

Particular description of goods.—Cigars, Cigarettes, and Smoking Tobacco.

Claims use since Aug. 14, 1924.

Ser. No. 206,698. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAY V. SOWERS, doing business as Kluster Knife Company, Muncie, Ind. Filed Dec. 13, 1924.

KLUSTER-KNIFE

No claim is made to the exclusive use of either of the words except as part of the combination.

Particular description of goods.—Meat Cutter or Tenderer.

Claims use since Sept. 1, 1924.

Ser. No. 206,859. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PYRAMID BUTTON CO., Providence, R. I. Filed Dec. 17, 1924.



The exclusive use of the representation of a collar button in the said mark as shown is disclaimed apart from the mark as shown.

Particular description of goods.—Collar Buttons Made of or Plated With Precious Metals.

Claims use since Nov. 19, 1924.

Ser. No. 206,920. (CLASS 38. PRINTS AND PUBLICATIONS.) RED PEPPER PUBLISHING CO., INC., Newark, N. J. Filed Dec. 18, 1924.

RED PEPPER

Particular description of goods.—Monthly Magazine.

Claims use since June 20, 1924.

Ser. No. 206,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIL, INC., New York, N. Y. Filed Dec. 19, 1924. Trade-Mark consists of the word "Ripping."

RIPPING

Particular description of goods.—Nail Polish, Semi-liquid Nail Polish, Brilliante Nail Polish, Nail Bleach, Brilliante-Nail-Polish Remover, Cuticle Remover, and Cuticle Cool.

Claims use since on or before Dec. 9, 1924.

Ser. No. 206,953. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL BAKING COMPANY, New York, N. Y. Filed Dec. 19, 1924.

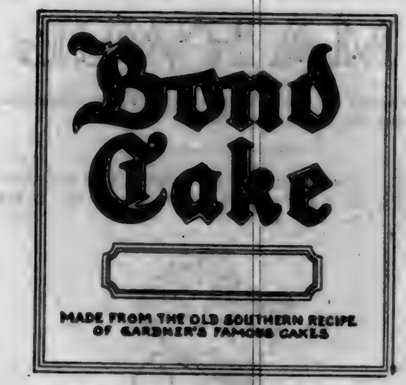


Applicant makes no claim herein to the exclusive use of the word "Cake" apart from the mark shown in the drawing.

Particular description of goods.—Cake.

Claims use since July 12, 1924.

Ser. No. 206,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL BAKING COMPANY, New York, N. Y. Filed Dec. 19, 1924.



Applicant makes no claim herein to the exclusive use of the words "Cake" and "Made from the Old Southern Recipe of Gardner's Famous Cake."

Particular description of goods.—Cake.

Claims use since July 12, 1924.

Ser. No. 206,988. (CLASS 39. CLOTHING.) TENSER BROTHERS, New York, N. Y. Filed Dec. 19, 1924.



A WISE CHOICE

Particular description of goods.—Men's, Women's, and Children's Hosiery; Ladies' Knitted and Textile Fabric Underwear—Namely, Vests, Step-Ins, Bloomers, Pants, Chemise, Camisoles, Union Suits, and Pantalets; Gloves of Fabric, Rubber, Leather, or Combinations Thereof; and Knit Goods—Namely, Caps for Men, Women, and Children, Gloves, Sweaters, Leggings, Bootees, and Slip-Ons.

Claims use since Aug. 1, 1924.

Ser. No. 206,991. (CLASS 39. CLOTHING.) ROBERT HOWARD BIGGS, St. Catharines, Ontario, Canada. Filed Dec. 20, 1924.

SILVER-SPRING

Particular description of goods.—Garters.

Claims use since Sept. 19, 1924.

Ser. No. 207,018. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HILLCREST SILK MILLS, West New York, N. J., and New York, N. Y. Filed Dec. 20, 1924.

"SATIN RADYONT"

No claim is made to the exclusive use of the word "Satin" apart from the mark as shown in the drawing.

Particular description of goods.—Goods in the Piece of Silk, Silk and Wool, Silk Mixed, and Artificial Mixed.

Claims use since Dec. 11, 1924.

Ser. No. 207,056. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLATNEY-MURPHY COMPANY, Denver, Colo. Filed Dec. 22, 1924.

HOLLY

Particular description of goods.—Canned Chili Con Carne, Bacon, Boiled Shoulder, Lard, and Sliced Dried Beef.

Claims use since about Nov. 1, 1909.

Ser. No. 207,079. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EDWIN A. JACKSON & BRO. INC., New York, N. Y. Filed Dec. 22, 1924.

ELECTRILOG

Particular description of goods.—Imitation Fire Logs Having in Combination Therewith an Electric Light so Disposed in Relation to Said Logs as to Simulate the Appearance of Burning Wood.

Claims use since June 9, 1924.

Ser. No. 207,100. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ROBERTSON-DAVIS CO., Chicago, Ill. Filed Dec. 22, 1924.

Meloformer

Trade-mark consists of the word "Meloformer."

Particular description of goods.—Transformers.

Claims use since Nov. 26, 1924.

Ser. No. 207,141. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ORLEANS COFFEE COMPANY, LTD., New Orleans, La. Filed Dec. 23, 1924.

DIXIE'S BEST

No claim is made to the word "Best" apart from the mark as shown on the drawing.

Particular description of goods.—Sirup for Food Purposes.

Claims use since Dec. 15, 1924.

Ser. No. 207,142. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEW ORLEANS COFFEE COMPANY, LTD., New Orleans, La. Filed Dec. 23, 1924.

BLUEBONNET

Particular description of goods.—Sirup for Food Purposes.
Claims use since Dec. 15, 1924.

Ser. No. 207,207. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SNOW MANUFACTURING COMPANY, Los Angeles, Calif. Filed Dec. 24, 1924.

SNOW
RADIANT GAS HEATERS

No claim is made to the words "Radiant Gas Heaters" apart from the mark shown in the drawing.
Particular description of goods.—Radiant Gas Heaters.
Claims use since Sept. 1, 1924.

Ser. No. 207,316. (CLASS 39. CLOTHING.) HARRY WEST, New York, N. Y. Filed Dec. 27, 1924.

STA-STRATE

Particular description of goods.—Ladies' Hosiery.
Claims use since September, 1924.

Ser. No. 207,410. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE SIGNAPHORE COMPANY, Fort Wayne, Ind. Filed Dec. 29, 1924.

TRAFFIC SIGNAL
SIGNAPHORE

No claim is made to the words "Traffic Signals" apart from the mark.
Particular description of goods.—Vehicle Traffic Electrically-Operated Signals.
Claims use since June 1, 1924.

Ser. No. 207,414. (CLASS 17. TOBACCO PRODUCTS.) TAYLOR BROTHERS, INCORPORATED, Winston-Salem, N. C. Filed Dec. 29, 1924.

BIG BILL

Particular description of goods.—Plug and Twist Tobacco.
Claims use since Nov 7, 1924.

Ser. No. 207,584. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARWOL RADIO CORP., New York, N. Y. Filed Jan. 2, 1925.

MARWOL

Particular description of goods.—Radio Receiving Sets.
Claims use since Dec. 1, 1923.

Ser. No. 207,642. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY H. YARBROUGH, Dallas, Tex. Filed Jan. 2, 1925.



The lining shown on the drawing is for shading purposes only.
Particular description of goods.—Sandwiches.
Claims use since Dec. 24, 1924.

Ser. No. 207,734. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FT. LAUDERDALE CITRUS GROWERS ASS'N., Fort Lauderdale, Fla. Filed Jan. 6, 1925.

EVERGLADE

Particular description of goods.—Fresh Citrous Fruits—Namely, Grapefruit, Oranges, and Tangerines.
Claims use since Dec. 10, 1924.

Ser. No. 207,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. A. HOFFMAN CANDY CO., Los Angeles, Calif. Filed Jan. 6, 1925.

CARAVAN

Particular description of goods.—Candy.
Claims use since January, 1923.

Ser. No. 207,743. (CLASS 15. OILS AND GREASES.) INDIAN REFINING COMPANY, INCORPORATED, Lawrenceville, Ill., and New York, N. Y. Filed Jan. 6, 1925.



In the drawing the vertical lining indicates red, the horizontal lining indicates blue and the unlined areas indicate white, these colors being commonly used in displaying the mark.
Particular description of goods.—Gasoline and Kerosene.
Claims use since about Oct. 20, 1924.

Ser. No. 207,878. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MARCUS BROTHERS, New York, N. Y. Filed Jan. 9, 1925.

PRINCE CHARMING
CLOTH

The word "Cloth" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods.
Claims use since August, 1924.

Ser. No. 207,936. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HUNT BROTHERS & CO., San Francisco, Calif. Filed Jan. 10, 1925.

CAMEL BRAND



Applicant disclaims the exclusive right to the word "Brand" apart from the mark as shown.
Particular description of goods.—Fresh Pears and Fresh Boxed Apples.
Claims use since Nov. 4, 1924.

Ser. No. 208,099. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. E. HILL MANUFACTURING COMPANY, Atlanta, Ga. Filed Jan. 14, 1925.

MULTIFORMER

Particular description of goods.—Inductance for Use in Radio Apparatus.
Claims use since Mar. 6, 1924.

Ser. No. 208,150. (CLASS 39. CLOTHING.) JACOB & SCHEY, New York, N. Y. Filed Jan. 15, 1925.



No claim is made to the exclusive use of the words "Homespun Hose Built for Comfort and Durability" apart from the mark as shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since January, 1914.

Ser. No. 208,195. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARKNESS RADIO CORPORATION, New York, N. Y. Filed Jan. 16, 1925.

CounterFlex

Particular description of goods.—Radio Receiving Sets Completely Assembled and Boxes of Parts for the Construction of Complete Radio Receiving Sets.
Claims use since Dec. 1, 1924.

Ser. No. 208,234. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) OSTH FITZPATRICK, Warsaw, Ind. Filed Jan. 17, 1925.

WHITOR
THE WHITEST WHITE

Exclusive use of the words "The Whitest White" is disclaimed apart from the mark shown.
Particular description of goods.—Ready-Mixed Paints.
Claims use since Nov. 20, 1923.

Ser. No. 208,266. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. TORNELLO, doing business as C. TORNELLO & Co., Youngstown, Ohio. Filed Jan. 17, 1925.

NORMA

"Sweet as music"

Particular description of goods.—Olive Oil.
Claims use since Oct. 21, 1924.

Ser. No. 208,642. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLIMAX TOBACCO SAVER CO., Harrodsburg, Ky. Filed Jan. 26, 1925.

CLIMAX TOBACCO SAVER



No claim is made to the words "Tobacco Saver" apart from the mark shown.
Particular description of goods.—Chemical Fumigant Used in Curing Tobacco.
Claims use since Jan. 6, 1924.

Ser. No. 208,687. (CLASS 39. CLOTHING.) THURLOW GLOVE COMPANY, Portland, Oreg. Filed Jan. 26, 1925.



Particular description of goods.—Mens, Women's, and Children's Gloves Made of Leather, of Fabric, and of a Combination of Leather and Fabric.
Claims use since May 1, 1924.

Ser. No. 208,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PIONEER FRUIT COMPANY, San Francisco, Calif. Filed Jan. 27, 1925.



Particular description of goods.—Fresh Grapes.
Claims use since 1912.

Ser. No. 208,905. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Jan. 31, 1925.

Goblina

Particular description of goods.—Woolen Piece Goods for Use in Dresses and Made-Up Garments.
Claims use since Jan. 2, 1925.

Ser. No. 208,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEF MANNER & COMP. A. G., Vienna, Austria. Filed Jan. 31, 1925.



No rights are asserted to the exclusive use of the words "Wien" and "Schutzmarke" except as forming part of trade-mark shown in drawing.
Particular description of goods.—Candies, Pastries, Waffles, Biscuits, and Bonbons.
Claims use since 1898.

Ser. No. 208,948. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Feb. 2, 1925.

BLACK ROCK

Particular description of goods.—Wall Board and Building Paper.
Claims use since Oct. 15, 1915.

Ser. No. 209,064. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TOXAWAY TANNING CO., Roseman, N. C., and New York, N. Y. Filed Feb. 3, 1925.



No claim is made to the words "Toxaway Tannery Co." apart from the mark shown on the drawing.
Particular description of goods.—Sole Leather.
Claims use since 1902.

Ser. No. 209,067. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) TRANSYLVANIA TANNING CO., Brevard, N. C., and New York, N. Y. Filed Feb. 3, 1925.

T. T.
TRANSYLVANIA
TANNERY
CO.

No claim is made to the words "Transylvania Tannery Co." apart from the mark shown on the drawing.
Particular description of goods.—Sole Leather.
Claims use since 1916.

Ser. No. 209,079. (CLASS 38. PRINTS AND PUBLICATIONS.) WILLIAM NOBLE DICKINSON, New York, N. Y. Filed Feb. 4, 1925.

PHOTOC

Particular description of goods.—Photographs.
Claims use since Dec. 19, 1924.

Ser. No. 209,102. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. ORDWAY & CO., New York, N. Y. Filed Feb. 4, 1925. Under ten-year proviso.

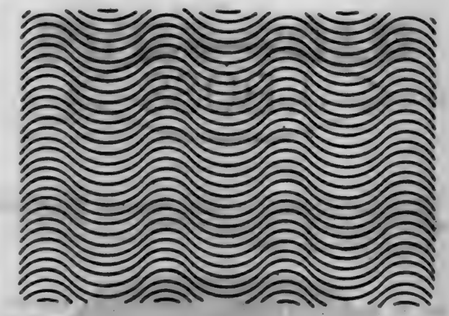
SULFUROSO

KAUFMANN AMARGO SULFUROSO

AMARGO

The colors yellow, black, and red are claimed as features of the mark.
Particular description of goods.—Sulphur Bitters.
Claims use since 1880.

Ser. No. 209,133. (CLASS 2. RECEPTACLES.) THE MASON BOX CO., Attleboro Falls, Mass. Filed Feb. 5, 1925.



Particular description of goods.—Paper and Cardboard Boxes and Wrappers.
Claims use since Mar. 15, 1924.

Ser. No. 209,141. (CLASS 39. CLOTHING.) THE H. A. SHINSHEIMER COMPANY, Cincinnati, Ohio. Filed Feb. 5, 1925.

Frat Clothes

No claim is made to the word "Clothes" apart from the mark shown by the drawing.
Particular description of goods.—Men's and Young Men's Vests, Coats, Trousers, and Overcoats.
Claims use since Jan. 16, 1916.

Ser. No. 209,142. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHEFFIELD TRIMMING & STAMPING CO., New York, N. Y. Filed Feb. 5, 1925.

STASCO

Particular description of goods.—Radio Parts and Specialties Comprising Rheostats, Potentiometers, Bezels, Battery Clips, and Vernier Dials.
Claims use since about Oct. 1, 1923.

Ser. No. 209,167. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa., and Riverside, N. J. Filed Feb. 6, 1925. Under ten-year proviso.

J. BOSS

Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since 1890.

Ser. No. 209,179. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE SCOTT AND FETZER COMPANY, Cleveland, Ohio. Filed Feb. 6, 1925.

RADIO

Particular description of goods.—Nonelectric Sweepers and Cleaners and Parts and Attachments Therefor.
Claims use since Mar. 19, 1924.

Ser. No. 209,268. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AMPLITRON CO., Wollaston, Mass. Filed Feb. 9, 1925.

AMPLITRON

Particular description of goods.—Radiotubes.
Claims use since November, 1923.

Ser. No. 209,464. (CLASS 39. CLOTHING.) JESSE G. DIMMITT, Chicago, Ill. Filed Feb. 12, 1925.

Black Sheep

Particular description of goods.—Ladies' Hats, Underwear of Knitted and Textile Fabrics, Skirts, Suits, and Gowns.
Claims use since about Jan. 26, 1925.

Ser. No. 209,515. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN MALT PRODUCTS CO., Pueblo, Colo. Filed Feb. 12, 1925.



Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since September, 1919.

Ser. No. 209,518. (CLASS 15. OILS AND GREASES.) WILLHELM OIL COMPANY, St. Paul, Minn. Filed Feb. 12, 1925.

BETERLUBE

Particular description of goods.—Lubricating Oils and Greases.
Claims use since on or about June 1, 1924.

Ser. No. 209,553. (CLASS 39. CLOTHING.) THE UNITED STATES SHOE COMPANY, Cincinnati, Ohio. Filed Feb. 13, 1925.

THE FLEXRIDGE SHOE

No claim is made to the words "The" and "Shoe."
Particular description of goods.—Men's, Women's, and Children's Shoes Made of Leather, Fabric, Rubber, and Combinations of Said Materials.
Claims use since Dec. 10, 1924.

Ser. No. 209,600. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE UNITED STATES GRAPHITE CO., Saginaw, Mich. Filed Feb. 14, 1925.

USG

Particular description of goods.—Packing Rings for Shafts of Steam Turbines.
Claims use since Feb. 1, 1924.

Ser. No. 209,674. (CLASS 15. OILS AND GREASES.) MONARCH MANUFACTURING COMPANY, Council Bluffs, Iowa. Filed Feb. 16, 1925.

MonaMotor

Particular description of goods.—Lubricating Oils and Greases.
Claims use since Sept. 2, 1924.

Ser. No. 209,710. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE TAPPAN STOVE CO., Mansfield, Ohio. Filed Feb. 16, 1925.

IN-SO-TOP

Particular description of goods.—Gas and Coal Ranges and Stoves.
Claims use since Jan. 14, 1925.

Ser. No. 209,755. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE THOMAS RUBBER COMPANY, Wooster, Ohio. Filed Feb. 17, 1925.

CORINTHIAN CORD

The word "Cord" is disclaimed apart from the mark as shown.
Particular description of goods.—Vehicle Tires of Rubber and Rubber and Fabric or Cord, Tire Casings, and Shoes and Repair Parts for Use in Connection with the Foregoing.
Claims use since Nov. 1, 1923.

Ser. No. 209,773. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WILLIAM J. DE WITT, doing business as The Shoe Form Co., Auburn, N. Y. Filed Feb. 18, 1925.



No registration rights are claimed for the word "Forms" apart from the mark shown in the drawing.
Particular description of goods.—Shoe Forms.
Claims use since Jan. 22, 1925.

Ser. No. 209,774. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHARLES HENRY DIETZ, doing business as Garden City Chip Co., San Jose, Calif. Filed Feb. 18, 1925.

PVRE GOLD

Particular description of goods.—Cottonseed Salad Oil and Vinegar.
Claims use since Sept. 24, 1924.

Ser No. 209,791. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INSPIRATION PICTURES, INC., New York, N. Y. Filed Feb. 18, 1925.



Particular description of goods.—Motion Pictures.
Claims use since Nov. 23, 1924.

Ser. No. 209,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ELI FOURNESS, doing business as E. Fourness & Sons, Sacramento, Calif. Filed Feb. 19, 1925.

OAK GLEN ORCHARD

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears and Plums.
Claims use since Oct. 14, 1924.

Ser. No. 209,843. (CLASS 12. CONSTRUCTION MATERIALS.) JOHNS-MANVILLE, INCORPORATED, New York, N. Y. Filed Feb. 19, 1925.

Pan-o-cel

Particular description of goods.—Cellular Insulating Material Mainly Composed of Corrugated Asbestos Paper.
Claims use since Oct. 28, 1924.

Ser. No. 209,858. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN VIEW FRUIT ASSOCIATION, Ontario, Calif. Filed Feb. 19, 1925.

Pronghorn

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; Fresh Deciduous Fruits—Namely, Pears, Apricots; Fresh Grapes.
Claims use since July, 1901.

Ser. No. 209,912. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUILMONT & PETERS, Chicago, Ill. Filed Feb. 20, 1925.

SILVERSHEEN

Particular description of goods.—Chemical Compound Used as a Tint for the Hair.
Claims use since Jan. 2, 1920.

Ser. No. 209,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Feb. 20, 1925.

THYROCAL

Particular description of goods.—Compressed Tablets Containing Calcium Lactate with Desiccated Thyroid Glands.
Claims use since Feb. 7, 1924.

Ser. No. 209,970. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) W. L. BRUBAKER & BROS. COMPANY, Millersburg, Pa. Filed Feb. 21, 1925.

WL B

Particular description of goods.—Taps, Dies, and Reamers.
Claims use since Dec. 16, 1924.

Ser. No. 209,978. (CLASS 39. CLOTHING.) CISCO, INC., New York, N. Y. Filed Feb. 21, 1925.



The words "Made in Scotland" are disclaimed apart from the mark shown.
Particular description of goods.—Ladies' and Gentlemen's Mufflers, Scarfs, and Vests.
Claims use since Jan. 1, 1924.

Ser. No. 209,982. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE FLORIDA CITRUS PROCESS COMPANY, Eustis, Fla. Filed Feb. 21, 1925.

"SEALDPURE"

Trade-mark consists of the word "Sealdpure."
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks, Fruit Juices, Extract Sirups, Concentrates, and Compounds for Making the Same.
Claims use since June, 1924.

Ser. No. 209,984. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GOOD ROADS EQUIPMENT CORPORATION, Philadelphia, Pa. Filed Feb. 21, 1925.

Greco

Particular description of goods.—Portable Pavement Heaters.
Claims use since Feb. 14, 1925.

Ser. No. 210,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) S. A. RIDER COMPANY, Chicago, Ill. Filed Feb. 21, 1925.

ARABAY

Particular description of goods.—Compacts (a Well-Known Form of Face Powder and the Package Containing the Same), Perfumes, and Face Powder.
Claims use since Aug. 1, 1924.

Ser. No. 210,036. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) BRAIN STEWARD & HARTSHORN, LD., London, England. Filed Feb. 24, 1925.



Particular description of goods.—Tobacco Pipes and Cigar and Cigarette Holders (not of Precious Metal or of Imitations Thereof).
Claims use since Oct. 1, 1924.

Ser. No. 210,045. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) WAYNE DAVIES, Atlanta, Ga. Filed Feb. 24, 1925.

"FLAVOR-IN"

Particular description of goods.—Sandwich Toasters, Weiner Broilers, Bread Toasters, and Waffle Irons.
Claims use since Dec. 15, 1923.

Ser. No. 210,051. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE IRVIN T. FANSCHONE CO., Bellevue, Ohio. Filed Feb. 24, 1925.

MAPLE LEAF

Particular description of goods.—Coal.
Claims use since on or before Jan. 1, 1923.

Ser. No. 210,105. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE UNION FABRIC COMPANY, Derby, Conn. Filed Feb. 24, 1925.

EVERLITE

Particular description of goods.—Cigar Lighters.
Claims use since Jan. 18, 1923.

Ser. No. 210,145. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOUTHERN WEED CHEMICAL COMPANY, Mebane, N. C. Filed Feb. 25, 1925.

SOUTHERN WEED

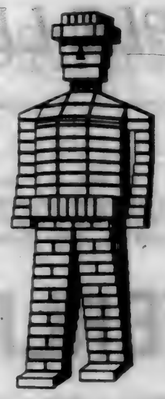
Particular description of goods.—Medicinal Compound for Piles, Eczema, Itch, Mange, Poison Oak, Scratches, and Burns.
Claims use since Mar. 1, 1922.

Ser. No. 210,194. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL MILLING COMPANY, Nashville, Tenn. Filed Feb. 26, 1925.

ROYAL CLOVER LEAF

Particular description of goods.—Soft-Wheat Short-Patent Plain Flour.
Claims use since Oct. 20, 1924.

Ser. No. 210,196. (CLASS 12. CONSTRUCTION MATERIALS.) THE SALT LAKE PRESSED BRICK COMPANY, Salt Lake City, Utah. Filed Feb. 26, 1925.



Particular description of goods.—Brick of All Kinds Employed in Building and Such Like Purposes, Comprising Glazed Brick, Mantel Brick, Face Brick, Common Brick, Fire Brick; Also Sewer Pipe, Drain Tile, Flue Lining, Hollow Building Tile, and Partition Tile.
Claims use since Dec. 15, 1924.

Ser. No. 210,211. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Feb. 27, 1925.

ALL-AMAX JUNIOR

Particular description of goods.—Radio Receiving Sets.
Claims use since Aug. 1, 1924.

Ser. No. 210,212. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Feb. 27, 1925.

ALL-AMAX SENIOR

Particular description of goods.—Radio Receiving Sets.
Claims use since Aug. 1, 1924.

Ser. No. 210,213. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ALL-AMERICAN RADIO CORPORATION, Chicago, Ill. Filed Feb. 27, 1925.

ALL-AMAX

Particular description of goods.—Radio Receiving Sets.
Claims use since Aug. 1, 1924.

Ser. No. 210,225. (CLASS 29. CLOTHING.) DAUM ROGERS SPRITZER CO., New York, N. Y. Filed Feb. 27, 1925.



No claim is made to the exclusive use of the words "Children's Stockings" apart from the mark as shown in the drawing.
Particular description of goods.—Hosiery for Boys and Girls.
Claims use since Feb. 20, 1925.

Ser. No. 210,295. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALLIS INC., doing business as Wendy Laboratories, Cincinnati, Ohio. Filed Feb. 28, 1925.

WENDY

Particular description of goods.—Toilet Preparations—Namely, Coconut-Oil Shampoo, Lilac Toilet Water, and Bay Rum for the Toilet.
Claims use since Jan. 10, 1925.

Ser. No. 210,304. (CLASS 30. CLOTHING.) ALFRED KIMBALL SHOE CO., Lawrence and Boston, Mass. Filed Feb. 28, 1925.



WEAR-O-PEDIC

Particular description of goods.—Men's Leather Shoes.
Claims use since Feb. 24, 1925.

Ser. No. 210,346. (CLASS 31. FILTERS AND REFRIGERATORS.) CALIFORNIA METAL ENAMELING CO., Los Angeles, Calif. Filed Mar. 2, 1925.

CAMEO

Particular description of goods.—Refrigerators.
Claims use since Jan. 1, 1925.

Ser. No. 210,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CASE & MARTIN COMPANY, Chicago, Ill. Filed Mar. 2, 1925.

TEA ROOM

Particular description of goods.—Pies.
Claims use since Dec. 27, 1924.

Ser. No. 210,395. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEE & HICKCOX, El Centro, Calif. Filed Mar. 2, 1925.

TRUE BLUE

Particular description of goods.—Fresh Vegetables, Fresh Grapes, and Fresh Cantaloupes.
Claims use since Dec. 15, 1923.

Ser. No. 210,423. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SOUTHERN BEVERAGE COMPANY, Galveston, Tex. Filed Mar. 2, 1925.

"MAKES THIRST A JOY"

Particular description of goods.—Nonalcoholic Beverages Sold as Soft Drinks and Sirups for Making the Same—Namely, Root Beer, and Root-Beer Sirups.
Claims use since Apr. 9, 1924.

Ser. No. 210,494. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARX & RAWOLLE, INC., New York, N. Y. Filed Mar. 3, 1925.

MANDAR

The lining of drawing expresses shading.
Particular description of goods.—Glycerin.
Claims use since Aug. 1, 1924.

Ser. No. 210,502. (CLASS 39. CLOTHING.) SAMUEL SAMPSON, INC., New York, N. Y. Filed Mar. 3, 1925.

ROSE-MARIE

Trade-mark consists of the compound word "Rose-Marie."
Particular description of goods.—Ladies' Collar and Cuff Sets.
Claims use since Jan. 15, 1925.

Ser. No. 210,505. (CLASS 39. CLOTHING.) BENJAMIN SHAPOSNICK, doing business as B. Shaposnick & Company, New York, N. Y. Filed Mar. 3, 1925.

NATURAL
GOLDEN
MUSKRAT

No claim is made to the words "Natural Muskrat" apart from the mark as shown in the drawing.
Particular description of goods.—Ladies' Fur Coats.
Claims use since June 12, 1924.

Ser. No. 210,553. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOCKMEYER BROS., New York, N. Y. Filed Mar. 5, 1925.

KNICKEROY

Trade-mark consists of the word "Knickeroy."
Particular description of goods.—Cotton Pile and Cotton Napped Fabrics.
Claims use since October, 1924.

Ser. No. 210,563. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) KING COAL COMPANY, San Francisco, Calif. Filed Mar. 5, 1925.



KNIGHT SPRING CANYON COAL

The trade-mark consists of a pictorial representation of a knight on horseback, bearing a shield, within which shield appears the words "Knight Coal." Under this pictorial representation of the knight on horseback appear the words "Knight Spring Canyon Coal." The figures in the pictorial representation and the words "Knight Coal" and "Knight Spring Canyon Coal" are printed in black, no claim being made to the word "Coal" and the words "Spring Canyon" apart from the mark shown in the drawing.
Particular description of goods.—Coal.
Claims use since on or about June 1, 1924.

Ser. No. 210,597. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) W. G. & F. PROOFING CO., INC., Brooklyn, N. Y. Filed Mar. 5, 1925.

JATON

Particular description of goods.—Waterproofed Fabrics in the Piece—Namely, Cotton and Linen Fabrics; and Waterproofed Sails, Boat Covers, Tents, Mattress Covers, Sheets, and Pillowcases.
Claims use since Jan. 15, 1925.

Ser. No. 210,618. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NICOLA OLIVE, doing business as N. Olive Co., New York, N. Y. Filed Mar. 6, 1925.

DUILIO

Particular description of goods.—Canned Olive Oil, Macaroni, Canned Tomatoes, Tomato Paste, Anchovies, and Tunny Fish in Cans.
Claims use since November, 1923.

Ser. No. 210,621. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) F. REDDAWAY & CO. LIMITED, Pendleton, Manchester, England. Filed Mar. 6, 1925.

LEMAC

Particular description of goods.—Billiard Cloth, Being Cotton Piece Goods.
Claims use since Oct. 25, 1924.

Ser. No. 210,623. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. SCHILD, A. G. (S. A.; LTD.), Granges, Soleure, Switzerland. Filed Mar. 6, 1925.

A.S.

Particular description of goods.—Watches and Parts of Watches.
Claims use since Feb. 17, 1916.

Ser. No. 210,624. (CLASS 27. HOROLOGICAL INSTRUMENTS.) A. SCHILD, A. G. (S. A.; LTD.), Granges, Soleure, Switzerland. Filed Mar. 6, 1925.

ASSA

Particular description of goods.—Watches and Parts of Watches.
Claims use since Feb. 17, 1916.

Ser. No. 210,627. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) W. N. SHARP, doing business as Nye Co., Chicago, Ill. Filed Mar. 6, 1925.

B-R-X

Particular description of goods.—Surgical Knives and Surgical-Knife Blades.
Claims use since Dec. 3, 1924.

Ser. No. 210,638. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WELLS-ABBOTT-NIEMAN CO. INC., Schuyler, Nebr. Filed Mar. 6, 1925.

GOLDEN WEST

Particular description of goods.—Wheat Flour.
Claims use since July 30, 1902.

Ser. No. 210,676. (CLASS 39. CLOTHING.) LOS ANGELES HAT COMPANY, Los Angeles, Calif. Filed Mar. 7, 1925.



BONNIE BETTIE HATS

Exclusive use of the word "Hats" is disclaimed apart from the mark shown. The picture in drawing is fanciful.
Particular description of goods.—Children's Hats.
Claims use since Jan. 29, 1925.

Ser. No. 210,703. (CLASS 31. FILTERS AND REFRIGERATORS. BRAGER OF BALTIMORE, Baltimore, Md. Filed Mar. 9, 1925.

KOLDKING

Particular description of goods.—Refrigerators, Ice Chests, Water Coolers, Water Filters, Ice-Cream Freezers, and Ice-Cream Cabinets.
Claims use since Jan. 5, 1926.

Ser. No. 210,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CORROSION X INTERCEPT COMPANY, Cleveland, Ohio. Filed Mar. 9, 1925.

TRADE

CXI

MARK

No claim is made to the words "Trade" and "Mark" apart from the mark as shown. The shading represents red color.
Particular description of goods.—Compound to Prevent Corrosion of Electric-Battery Connections and Terminals.
Claims use since Feb. 2, 1924.

Ser. No. 210,732. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HESS, GOLDSMITH & CO., INC., New York, N. Y. Filed Mar. 9, 1925.



"Louie The 14th"

Particular description of goods.—Crêpe Satin in the Piece.
Claims use since Mar. 2, 1925.

Ser. No. 210,769. (CLASS 15. OILS AND GREASES.) L. V. WHITE COMPANY, Kalamazoo, Mich. Filed Mar. 9, 1925.

THE
POWER TO PASS
that's
DIXIE GAS

No claim is made to the word "Gas" apart from the mark shown.
Particular description of goods.—Gasoline, Lubricating Oils, and Lubricating Greases.
Claims use since May 1, 1924.

Ser. No. 210,795. (CLASS 39. CLOTHING.) LANSBURGH & BRO. INC., Washington, D. C. Filed Mar. 10, 1925.

STYLSIX

Particular description of goods.—Leather Shoes.
Claims use since about Mar. 2, 1925.

Ser. No. 210,820. (CLASS 39. CLOTHING.) JAMES E. WILLIAMS, Spring City, Pa. Filed Mar. 10, 1925.

QUICK ACTION

Particular description of goods.—Leather Shoes.
Claims use since Apr. 5, 1924.

Ser. No. 210,833. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EASTERN STATES FARMERS' EXCHANGE, Springfield, Mass. Filed Mar. 11, 1925.

CERTI-SEED

Applicant disclaims an exclusive right to the word "Seed" apart from the mark as shown.
Particular description of goods.—Field Seeds, Such as Timothy, Clover, Barley, Corn, Rye, Oats, Vetch, Alfalfa, Etc.
Claims use since Feb. 15, 1925.

Ser. No. 210,849. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS LEVY GROCER CO. LTD., Baton Rouge, La. Filed Mar. 11, 1925.



Particular description of goods.—Canned Peas, Canned Corn, and Bottled Catchup.
Claims use since April, 1924, on canned peas; since October, 1924, on canned corn and bottled catchup.

Ser. No. 210,861. (CLASS 39. CLOTHING.) THE SIMONE COMPANY, INC., New York, N. Y. Filed Mar. 11, 1925.

"Simonettes"

Particular description of goods.—Boudoir Caps, Boudoir Bandeaux, Sport Bands (Being Bandeaux to Fit Around the Head).
Claims use since Feb. 1, 1924.

Ser. No. 210,893. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JOSEPH EHRLICH, Cincinnati, Ohio. Filed Mar. 12, 1925.

ERLITE

Particular description of goods.—Dry Paints and Varnishes.
Claims use since on or about Mar. 1, 1922.

Ser. No. 210,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PARIS TOILET COMPANY, Paris, Tenn. Filed Mar. 12, 1925.

Golden Peacock

Particular description of goods.—Toilet Preparations—Namely, Eyebrow Pencils, Vanishing Cream, Astringent Lotion, Lip Sticks, Lotion Cream, Shampoo, Perfumes, and Toilet Waters.
Claims use since April, 1921, on vanishing cream, and since January, 1923, on astringent lotions, lip sticks, lotion cream, shampoo, perfumes, and toilet waters.

Ser. No. 210,948. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Mar. 13, 1925.

DREAM

Particular description of goods.—Banjos, Guitars, Ukuleles, and Mandolins.
Claims use since Feb. 27, 1925.

Ser. No. 210,956. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Mar. 13, 1925.

"HIPPO HIDE"

Particular description of goods.—Rubber Bands.
Claims use since Jan. 15, 1925.

Ser. No. 210,997. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE ANSONIA CLOCK COMPANY, New York, N. Y. Filed Mar. 14, 1925.

PRECISIA

Particular description of goods.—Clocks and Clock Movements.
Claims use since March, 1922.

Ser. No. 211,026. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FREED-EISEMAN RADIO CORPORATION, Brooklyn, N. Y. Filed Mar. 14, 1925.

MOTORADIO

Particular description of goods.—Complete Radio Receiving Sets and Parts Therefor.
Claims use since Feb. 4, 1925.

Ser. No. 211,150. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANLEY M. BALTELY, doing business as The Baltely Company, Massillon, Ohio. Filed Mar. 17, 1925.

DANDOK

Particular description of goods.—Treatment of Dandruff, Diseases Common to the Scalp, and for Preserving the Hair.
Claims use since Nov. 25, 1924.

Ser. No. 211,214. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHNSON-FOX COMPANY, Waterville, Me. Filed Mar. 18, 1925.



Particular description of goods.—Fuel Ingredient.
Claims use since Feb. 25, 1925.

Ser. No. 211,231. (CLASS 37. PAPER AND STATIONERY.) SAN JOSE PAPER CO., San Jose, Calif. Filed Mar. 18, 1925.

ALUM ROCK

Particular description of goods.—Printing Paper, Writing Paper, Wrapping Paper, Toilet Paper, and Writing-Paper Tablets.
Claims use since Nov. 3, 1903.

Ser. No. 211,232. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. L. SANDS CHEMICAL COMPANY, Springfield, Mo. Filed Mar. 18, 1925.

UPTONIC



The portrait shown in the drawing is that of E. L. Sands (deceased), the founder of the firm.
Particular description of goods.—Tonic for Use in the Treatment of the Blood, Nerves, and Digestive Organs.
Claims use since July 1, 1916.

Ser. No. 211,242. (CLASS 37. PAPER AND STATIONERY.) WELDON ROBERTS RUBBER COMPANY, Newark, N. J. Filed Mar. 18, 1925.

9500 WHISK

Particular description of goods.—Rubber Eraser.
Claims use since Dec. 1, 1924.

Ser. No. 211,266. (CLASS 17. TOBACCO PRODUCTS.) GARDNER & WELLS CO., New York, N. Y. Filed Mar. 19, 1925.

Events

Particular description of goods.—Cigars, Cigarettes, Smoking and Chewing Tobacco.
Claims use since about Mar. 1, 1925.

Ser. No. 211,291. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE PITTSBURGH SHOVEL COMPANY, Pittsburgh, Pa. Filed Mar. 19, 1925.

LIGHT WEIGHT

The lining in the drawing indicates the colors red and blue. No claim is made to the words "Superior Strength" and "Light Weight" apart from the mark as shown.
Particular description of goods.—Shovels.
Claims use since about Feb. 19, 1925.

Ser. No. 211,297. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925. Under ten-year proviso.

BLACK ROCK

Trade-mark consists of the words "Black Rock."
Particular description of goods.—Cotton Piece Goods.
Claims use since about 1840.

Ser. No. 211,290. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925.

INEZ

Trade-mark consists of the word "Ines."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1888.

Ser. No. 211,300. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925.

OCEAN MILLS

Trade-mark consists of the words "Ocean Mills."
Particular description of goods.—Cotton Piece Goods.
Claims use since about 1840.

Ser. No. 211,302. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925. Under ten-year proviso.

RANGELEY

Trade-mark consists of the word "Rangeley."
Particular description of goods.—Cotton Piece Goods.
Claims use since prior to 1895.

Ser. No. 211,329. (CLASS 39. CLOTHING.) LEON B. CONANT, Boston, Mass. Filed Mar. 20, 1925.

UNITREAD

Particular description of goods.—Heels and Soles.
Claims use since Feb. 2, 1925.

Ser. No. 211,333. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CUMBERLAND VALLEY FRUIT PRODUCTS COMPANY, Martinsburg, W. Va. Filed Mar. 20, 1925.

SUNTINT

Particular description of goods.—Apple-Cider Vinegar.
Claims use since Mar. 13, 1924.

Ser. No. 211,337. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CARL A. DIEDERICHS, Pittsburgh, Pa. Filed Mar. 20, 1925.

PLAYROUND
Carl A. Diederichs

Particular description of goods.—Parlor Board Game Played with Pieces.
Claims use since Mar. 18, 1925.

Ser. No. 211,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHICUS PROMPT TREATMENT KIT, INC., New York, N. Y. Filed Mar. 20, 1925.

Nuxo

Particular description of goods.—Preparation for the Relief of Indigestion, Which is Tonic and Mildly Laxative.
Claims use since Oct. 4, 1924.

Ser. No. 211,367. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) C. R. MEISSNER CO., INC., New York, N. Y. Filed Mar. 20, 1925.

DIANA

Trade-mark consists of the word "Diana."
Particular description of goods.—Goods stamped for Embroidery.
Claims use since Feb. 24, 1925.

Ser. No. 211,382. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FREDERICK G. SCHOLL, Woodhaven, N. Y. Filed Mar. 20, 1925.

Lyrephone

Particular description of goods.—Musical Toys Consisting of Musical Tubes, Usually Called Bells or Chimes.
Claims use since Mar. 9, 1925.

Ser. No. 211,409. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COAST FISHING COMPANY, INC., Wilmington, Calif. Filed Mar. 21, 1925.

BAMBOO

Particular description of goods.—Canned Fish.
Claims use since August, 1924.

Ser. No. 211,419. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WALTER A. FUTTER, New York, N. Y. Filed Mar. 21, 1925.

CURIOSITIES
THE MOVIE SIDE-SHOW

Particular description of goods.—Motion Pictures.
Claims use since Mar. 12, 1925.

Ser. No. 211,448. (CLASS 17. TOBACCO PRODUCTS.) ADAMS & BENNETT TOBACCO CO., Paris, Tenn. Filed Mar. 22, 1925.

LOG-BARN



Particular description of goods.—Smoking Tobacco.
Claims use since Feb. 5, 1925.

Ser. No. 211,449. (CLASS 15. OILS AND GREASES.) GUSTAV A. BERGFORS, Braintree, Mass. Filed Mar. 23, 1925.

NORTHLITE

Trade-mark consists of the word "Northlite."
Particular description of goods.—Kerosene, Gasoline, Lubricating Oils; Cup, Gear, Transmission, and Fiber Greases; Road, Fuel, and Gas Oils.
Claims use since Jan. 2, 1925.

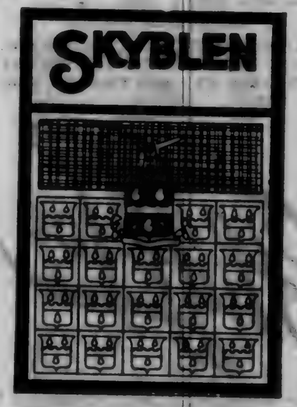
Ser. No. 211,488. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARAMOUNT CONE COMPANY, Cambridge, Mass. Filed Mar. 23, 1925.

BELL CUP

Trade-mark consists of the words "Bell Cup."
Particular description of goods.—Ice-Cream Cones.
Claims use since Nov. 12, 1924.

Ser. No. 211,499. (CLASS 37. PAPER AND STATIONERY.) SOUTHWEST TABLET MANUFACTURING COMPANY, Dallas, Tex. Filed Mar. 23, 1925.

SKYBLEN



Particular description of goods.—Papeteries, Writing Paper, Correspondence Paper, Writing Tablets, Mailing Envelopes, Typewriter Paper, and Auction-Bridge Pads.
Claims use since Feb. 27, 1908.

Ser. No. 211,512. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed Mar. 23, 1925.



The drawing is lined to indicate the color yellow.
Particular description of goods.—Insecticides, Deodorants, and Disinfectants.
Claims use since Feb. 11, 1925.

Ser. No. 211,514. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FRANK M. BENNET, New York, N. Y. Filed Mar. 24, 1925.

ROMPLAY

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 5, 1925.

Ser. No. 211,519. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. L. CRAIG & CO., Los Angeles, Calif. Filed Mar. 24, 1925.

RLC

Particular description of goods.—Canned Fruits and Canned Vegetables, Canned Berries, Canned Fruits for Salad, Canned Pimientos, Canned Fish, Canned Chili, and Tomato Catchup.
Claims use since 1905.

Ser. No. 211,534. (CLASS 39. CLOTHING.) LEINOWITZ & PORTER, INC., New York, N. Y. Filed Mar. 24, 1925.

GOLD FEATHER

Trade-mark comprises the words "Gold Feather" and the representation of a gold feather.
Particular description of goods.—Dress, Negligee, Flannel, and Work Shirts.
Claims use since October, 1924.

Ser. No. 211,613. (CLASS 39. CLOTHING.) PORTAGE SHOE MFG. COMPANY, Portage, Wis. Filed Mar. 25, 1925.

MELL-OAK

Trade-mark consists of the word "Mell-Oak."
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since July 23, 1923.

Ser. No. 211,616. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Mar. 25, 1925.

RICHFIELD

Particular description of goods.—Gasoline.
Claims use since Jan. 1, 1915.

Ser. No. 211,629. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SOCIÉTÉ LYONNAISE POUR L'EMPLOI DE LA SOIE ARTIFICIELLE DITE "SLESA", Lyon, France. Filed Mar. 25, 1925.

"SLESA"

Particular description of goods.—Piece Goods of Silk, Cotton, Wool, and Hair.
Claims use since Feb. 12, 1924.

Ser. No. 211,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOCIETE TEISSONNIÈRE ET KRIETMANN, Uzes, France. Filed Mar. 25, 1925.

T-K

Particular description of goods.—Licorice in Solid Form.
Claims use since 1920.

Ser. No. 211,657. (CLASS 39. CLOTHING.) B. & R. MFG. CO., INC., West Hoboken, N. J. Filed Mar. 26, 1925.



Particular description of goods.—Elastic Specialties—Namely, Elastic Girdles, Elastic Belts, Elastic Abdominal Supporters Used as Garments, and Elastic Hose Supporters.
Claims use since Mar. 11, 1925.

Ser. No. 211,665. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LOUISA T. CLARK, doing business as Mme La Benn, New York, N. Y. Filed Mar. 26, 1925.

Mar-Vel

Particular description of goods.—Depilatories.
Claims use since December, 1902.

Ser. No. 211,672. (CLASS 33. GLASSWARE.) FRANKLIN SIMON & Co., INC., New York, N. Y. Filed Mar. 26, 1925.



Particular description of goods.—Crystal Bottles.
Claims use since Mar. 10, 1924.

Ser. No. 211,674. (CLASS 39. CLOTHING.) FREEMAN-THOMPSON SHOE CO., St. Paul, Minn. Filed Mar. 26, 1925.

IDLE HOUR

Particular description of goods.—Fabric and Leather Slippers.
Claims use since June 1, 1923.

Ser. No. 211,677. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GARRAT-CALLAHAN CO., San Francisco, Calif. Filed Mar. 26, 1925.

Fluff-foe

Particular description of goods.—Compound Used for Hot-Water-Circulating Systems, Automobile Radiators, and Devices of Like Character for Preventing Formation of Fluff, Scale, or Rust.
Claims use since Jan. 1, 1910.

Ser. No. 211,693. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PASQUALE MUCCI, Somerville, Mass. Filed Mar. 26, 1925.

FOAMRUB

Particular description of goods.—Hair Tonic.
Claims use since Mar. 24, 1925.

Ser. No. 211,706. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) RICHARDSON, THE, RYCROFT AND COMPANY, LIMITED, Manchester, England. Filed Mar. 26, 1925.

BORESPRING

Particular description of goods.—Cotton, Linen, and Hemp Piece Goods of All Kinds.
Claims use since 1869.

Ser. No. 211,714. (CLASS 43. THREAD AND YARN.) SOCIÉTÉ A. CREMPEL, Lille, France. Filed Mar. 26, 1925. Under ten-year proviso.



Particular description of goods.—Threads.
Claims use since June 24, 1861.

Ser. No. 211,715. (CLASS 43. THREAD AND YARN.) SOCIÉTÉ A. CREMPEL, Lille, France. Filed Mar. 26, 1925. Under ten-year proviso.



Particular description of goods.—Threads.
Claims use since June 24, 1861.

Ser. No. 211,767. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SUNBLEST CONFECTIONS, INCORPORATED, Chicago, Ill. Filed Mar. 27, 1925.

Mer[illegible]ade

Particular description of goods.—Chocolate-Covered Peanuts and Chocolate-Covered Raisins, Also Chocolate-Covered Peanuts and Chocolate-Covered Raisins Mixed.
Claims use since Sept. 10, 1924.

Ser. No. 211,809. (CLASS 17. TOBACCO PRODUCTS.) SHOUSE-FULP CIGAR COMPANY, Winston-Salem, N. C. Filed Mar. 28, 1925.



Particular description of goods.—Cigars.
Claims use since Mar. 24, 1924.

Ser. No. 211,828. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BURNHAM CHEMICAL COMPANY, Reno, Nev. Filed Mar. 30, 1925.

CINDERELLA

Particular description of goods.—Borax, Tooth Powder, and Cold Cream.
Claims use since Dec. 8, 1924.

Ser. No. 211,830. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BUTLER COMPANY, Butler, Ind. Filed Mar. 30, 1925.

OILOMATIC

Particular description of goods.—Windmills.
Claims use since Jan. 1, 1925.

Ser. No. 211,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLETUS H. POPE, doing business as Pope Drug Company, Jefferson City, Mo. Filed Mar. 30, 1925.

RIDZ-U

Particular description of goods.—Deodorants.
Claims use since Jan. 1, 1922.

Ser. No. 211,912. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FARBENFABRIKEN VORM. FRIEDR. BAYER & CO., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Mar. 31, 1925.

Phanodorm

Particular description of goods.—Sedatives and Hypnotics.
Claims use since December, 1924.

Ser. No. 211,931. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. F. W. HABUSSLER, San Juan, Porto Rico. Filed Mar. 31, 1925.

MANIPEARL

Particular description of goods.—Cosmetics—viz, Nail Polish.
Claims use since Nov. 5, 1925.

Ser. No. 211,944. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) NOXAGE CHEMICAL COMPANY, Bend, Oreg. Filed Mar. 31, 1925.

NOXAGE

Particular description of goods.—Liquid for Treating Pyorrhea, Trench Mouth, Tonsillitis, Ulcerated Tonsils, Sore Throat, Barber's Itch, Poison Oak, Eczema, Dandruff, and for Use as a General Antiseptic.
Claims use since Jan. 1, 1925.

Ser. No. 211,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORRIS FRANK, Belleville, N. J. Filed Apr. 1, 1925.

RATTLESNAKE BILL'S

Particular description of goods.—Medicinal Oil for Treatment of Rheumatism, Strains, Sprains, Bruises, Sore Throat, Lumbago, and Colds.
Claims use since Jan. 1, 1919.

Ser. No. 211,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES FRIESER, Denver, Colo. Filed Apr. 1, 1925.

Madame Laurie

Particular description of goods.—Face Cream, Cleansing Cream, Almond Meal, Almond Lotion, Face Astringent Lotion, Face Cleansing Lotion, Face Stimulating Lotion, Hair Stimulating and Astringent Lotion, Whitehead Lotion, Bandoline, Brilliantine, Dandruff Remedy, Henna Leaves and Henna Rinse; Shampoo Powder and Liquid; Camomile Tea, Cuticle Oil, Depilatories, Eyebrow Pencil, Face Powder, Hair Tonic; Nail Polish, Powder and Liquid; Sulphur Pack, Almond-Clay Packs, Lipsticks, Perfumes, and Toilet Water.
Claims use since Feb. 9, 1925.

Ser. No. 212,115. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ZENITH SHOVEL COMPANY, Chicago, Ill. Filed Apr. 2, 1925.



The lining upon the drawing is intended to indicate the color red.
Particular description of goods.—Shovels.
Claims use since Mar. 15, 1923.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 12, 1925.

198,228. COMBINATION BRASSIÈRE AND CORSET. F. P. HOT, INC., New York, N. Y.
Filed December 15, 1924. Serial No. 206,784. PUBLISHED FEBRUARY 10, 1925.

198,229. LADIES' HATS. GREAT EASTERN MILLINERY CO., Philadelphia, Pa.
Filed December 15, 1924. Serial No. 206,730. PUBLISHED FEBRUARY 10, 1925.

198,230. MEN'S, WOMEN'S, AND CHILDREN'S SHOES MADE OF LEATHER. LONGWEAR SHOE CO. INC., Chicago, Ill.
Filed December 11, 1924. Serial No. 206,582. PUBLISHED FEBRUARY 17, 1925.

198,231. HATS FOR MEN, WOMEN, AND CHILDREN. SHORT-GILLEAUDEAU CO. INC., Danbury, Conn.
Filed December 9, 1924. Serial No. 206,497. PUBLISHED FEBRUARY 17, 1925.

198,232. TOY BUILDING BLOCKS. COLORADO SPRINGS TOY COMPANY, Colorado Springs, Colo.
Filed December 8, 1924. Serial No. 206,398. PUBLISHED FEBRUARY 24, 1925.

198,233. BRUSHES FOR HOUSE-CLEANING PURPOSES—NAMELY, SCRUBBING, DUSTING, AND SCOURING BRUSHES, CARPET BRUSHES, FLOOR BRUSHES, WALL BRUSHES, SINK BRUSHES, WINDOW BRUSHES, AND BROOMS; AND BRUSHES FOR TOILET PURPOSES—NAMELY, TOOTH, NAIL, HAND, HAIR, AND BATH BRUSHES. THE MAC BRUSH COMPANY, Philadelphia, Pa.
Filed December 4, 1924. Serial No. 206,247. PUBLISHED FEBRUARY 24, 1925.

198,234. MAIL BOXES AND LETTER BOXES. UNITED METAL BOX CO., INC., Long Island City, N. Y.
Filed November 29, 1924. Serial No. 206,043. PUBLISHED FEBRUARY 24, 1925.

198,235. MILLINERY CONSISTING OF LADIES' TRIMMED AND UNTRIMMED HATS. J. C. NEUHOFF INC., New York, N. Y.
Filed November 29, 1924. Serial No. 206,019. PUBLISHED FEBRUARY 24, 1925.

198,236. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 22, 1924. Serial No. 205,682. PUBLISHED FEBRUARY 10, 1925.

198,237. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 22, 1924. Serial No. 205,681. PUBLISHED FEBRUARY 10, 1925.

198,238. GLOVES AND MITTENS OF LEATHER, FABRIC; AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 22, 1924. Serial No. 205,680. PUBLISHED FEBRUARY 10, 1925.

198,239. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 22, 1924. Serial No. 205,679. PUBLISHED FEBRUARY 10, 1925.

198,240. GLOVES AND MITTENS OF LEATHER, FABRIC, AND A COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 22, 1924. Serial No. 205,678. PUBLISHED FEBRUARY 10, 1925.

198,241. TOOTHBRUSHES, NAILBRUSHES, HAIRBRUSHES, FLESH BRUSHES, LATHER BRUSHES, AND CLOTHES BRUSHES. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass.
Filed November 18, 1924. Serial No. 205,491. PUBLISHED FEBRUARY 24, 1925.

198,242. SANITARY TOOTHBRUSHES EACH COMPRISING A HOLDER AND A DEMOUNTABLE RUBBING PAD. THE RIVIERA COMPANY, New York, N. Y.
Filed November 13, 1924. Serial No. 205,220. PUBLISHED FEBRUARY 24, 1925.

198,243. LADIES' DRESSES, OUTER SKIRTS, CLOAKS, AND SUITS. WOLF & DANZIGER, New York, N. Y.
Filed October 1, 1924. Serial No. 203,289. PUBLISHED FEBRUARY 10, 1925.

198,244. BOOTS AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF; RUBBERS, RUBBER BOOTS, HOSIERY, MEN'S LEATHER GLOVES, WOMEN'S LEATHER GLOVES, MEN'S CLOTH HATS, MEN'S CLOTH CAPS, WOMEN'S CLOTH HATS, WOMEN'S STRAW HATS. THE BOSTON SHOE STORE, Portland, Me.
Filed September 24, 1924. Serial No. 202,977. PUBLISHED FEBRUARY 10, 1925.

198,245. GRAPE JUICE. THE CREAMETTE COMPANY, Minneapolis, Minn.
Filed April 4, 1924. Serial No. 194,980. PUBLISHED FEBRUARY 24, 1925.

198,246. POWDER PUFFS. RED RAVEN RUBBER CO., Newark, N. J.
Filed December 19, 1923. Serial No. 189,914. PUBLISHED FEBRUARY 24, 1925.

198,247. MEN'S HATS. MORRIS KATZ HAT CO., INC., New York, N. Y.
Filed August 22, 1923. Serial No. 184,862. PUBLISHED FEBRUARY 10, 1925.

198,248. COASTER OR SCOOTER VEHICLE HAVING PEDALS ON WHICH THE OPERATOR STANDS. LOWELL E. WALTER, doing business as New Playthings, Not Inc., Des Moines, Iowa.
Filed January 10, 1925. Serial No. 207,955. PUBLISHED FEBRUARY 24, 1925.

198,249. DOLLS. INGA SHILLING-PATTERSON, Washington, D. C.
Filed January 10, 1925. Serial No. 207,953. PUBLISHED FEBRUARY 24, 1925.

198,250. LADIES' AND MISSES' WAISTS, DRESSES, CLOAKS, AND SUITS. CONGRESS WAIST & DRESS COMPANY, INC., New York, N. Y.
Filed January 9, 1925. Serial No. 207,851. PUBLISHED FEBRUARY 24, 1925.

198,251. DRESSES. CLASSY JEAN DRESSES, INC., St. Louis, Mo.
Filed January 9, 1925. Serial No. 207,850. PUBLISHED FEBRUARY 24, 1925.

198,252. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. W. I. BENNETT, Atlanta, Ga.
Filed January 9, 1925. Serial No. 207,847. PUBLISHED FEBRUARY 24, 1925.

198,253. MINIATURE IMITATION-CONCRETE BUILDING BLOCKS. FERDINAND C. MÜLLER, Findlay, Ohio.
Filed January 7, 1925. Serial No. 207,795. PUBLISHED FEBRUARY 24, 1925.

198,254. SPOONS FOR ARTIFICIAL FISH BAIT. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,716. PUBLISHED FEBRUARY 24, 1925.

198,255. KNITTED AND TEXTILE UNDERWEAR FOR MEN, WOMEN, AND CHILDREN. JULIUS KAYSER & Co., New York, N. Y.
Filed January 5, 1925. Serial No. 207,681. PUBLISHED FEBRUARY 24, 1925.

198,256. HOSIERY. BURSON KNITTING COMPANY, Rockford, Ill.
Filed January 5, 1925. Serial No. 207,651. PUBLISHED FEBRUARY 24, 1925.

198,257. WORK SHIRTS. JACOB ROMBRO, doing business as Rombro Bros., Baltimore, Md.
Filed January 2, 1925. Serial No. 207,594. PUBLISHED FEBRUARY 24, 1925.

198,258. LEATHER BOOTS AND SHOES. HOLLAND SHOE CO., Holland, Mich.
Filed December 30, 1924. Serial No. 207,460. PUBLISHED FEBRUARY 17, 1925.

198,259. LADIES' AND MISSES' HATS. COOK & LITTLE, INC., Minneapolis, Minn.
Filed December 27, 1924. Serial No. 207,291. PUBLISHED FEBRUARY 10, 1925.

198,260. SHOES MADE OF LEATHER, FIBER, OR RUBBER OR COMBINATIONS THEREOF; RUBBERS, OVERSHOES AND GALOSHES MADE OF RUBBER AND FABRIC OR COMBINATIONS THEREOF, MOCCASINS MADE OF LEATHER, RUBBER BOOTS, GYMNASIUM SHOES MADE OF LEATHER, RUBBER, OR FABRIC OR COMBINATIONS THEREOF; AND BEDROOM SLIPPERS MADE OF LEATHER OR FELT OR COMBINATIONS THEREOF. RICHARDS & BRENNAN CO., Randolph, Mass.
Filed December 26, 1924. Serial No. 207,261. PUBLISHED FEBRUARY 10, 1925.

198,261. FRESH CITROUS FRUITS. JOHNSTON FRUIT COMPANY, Santa Barbara, Calif.
Filed February 24, 1922. Serial No. 159,754. PUBLISHED OCTOBER 10, 1922.

198,262. X-RAY APPARATUS, SUPPLIES, MATERIALS, AND ACCESSORIES FOR MEDICAL, SURGICAL, AND DENTAL USE. JAMES PICKER INC., New York, N. Y.
Filed October 20, 1922. Serial No. 170,987. PUBLISHED JANUARY 22, 1924.

198,263. TOMATO CATCHUP AND EVAPORATED MILK. THE COLTER COMPANY, Cincinnati, Ohio.
Filed May 28, 1923. Serial No. 181,250. PUBLISHED FEBRUARY 24, 1925.

198,264. CANDY. CANDY BROS. MFG. CO., St. Louis, Mo.
Filed June 16, 1923. Serial No. 182,065. PUBLISHED APRIL 8, 1924.

198,265. SPICES, COFFEE, AND CORNSTARCH FOR FOOD PURPOSES. ADELBERT DAVID SMITH, doing business as The Flavorsmiths, Columbus, Ohio.
Filed November 28, 1923. Serial No. 189,016. PUBLISHED FEBRUARY 24, 1925.

198,266. COATS FOR MEN, WOMEN, AND CHILDREN, BRAEMOOR COAT COMPANY, INC., New York, N. Y.
Filed December 14, 1923. Serial No. 189,656. PUBLISHED MARCH 11, 1924.

198,267. CHOCOLATE ICE-CREAM CONFECTION. SMILING CHARLIE, INC., New York, N. Y.
Filed January 5, 1924. Serial No. 190,477. PUBLISHED NOVEMBER 18, 1924.

198,268. BASIC LEAD SULPHATE, A WHITE PIGMENT COMMONLY USED AS A PAINT CONSTITUENT. THE EAGLE PICHER LEAD COMPANY, Cincinnati, Ohio.
Filed February 15, 1924. Serial No. 192,815. PUBLISHED FEBRUARY 24, 1925.

198,269. BOUDOIR CAPS. WILLIAM STRAUSS, INC., New York, N. Y.
Filed June 4, 1924. Serial No. 198,094. PUBLISHED OCTOBER 28, 1924.

198,270. SUGAR. MICHIGAN SUGAR COMPANY, Bay City, Saginaw, Alma, Caro, Sebewaing, Mich., and Toledo, Ohio.
Filed June 13, 1924. Serial No. 198,529. PUBLISHED FEBRUARY 24, 1925.

198,271. VARNISH. NU VAR PRODUCTS CO. INC., Baltimore, Md.
Filed June 24, 1924. Serial No. 199,079. PUBLISHED FEBRUARY 24, 1925.

198,272. NONALCOHOLIC BEVERAGES OF PEACH, STRAWBERRY, RASPBERRY, GRAPE, LEMON, LIME, AND OTHER FLAVORS. LIME-COLA BOTTLING COMPANY OF ATLANTA, GA., Atlanta, Ga.
Filed July 19, 1924. Serial No. 200,267. PUBLISHED OCTOBER 28, 1924.

198,273. ARCTICS OR GOLOSHES, PARTICULARLY AN ARCTIC FOR WOMEN OF WATERPROOF JERSEY CLOTH WITH RUBBER SOLES. CONVERSE RUBBER SHOE CO., Malden, Mass.
Filed August 7, 1924. Serial No. 201,079. PUBLISHED FEBRUARY 17, 1925.

198,274. CANNED TUNNY (FISH). M. A. REX, doing business as California Sea Food Company, Los Angeles, Calif.
Filed August 11, 1924. Serial No. 201,261. PUBLISHED FEBRUARY 24, 1925.

198,275. CANNED TUNNY (FISH). M. A. REX, doing business as California Sea Food Company, Los Angeles, Calif.
Filed August 11, 1924. Serial No. 201,262. PUBLISHED FEBRUARY 24, 1925.

198,276. CANNED TUNNY (FISH). M. A. REX, doing business as California Sea Food Company, Los Angeles, Calif.
Filed September 17, 1924. Serial No. 202,712. PUBLISHED FEBRUARY 24, 1925.

198,277. CANNED LOBSTER. M. A. REX, doing business as California Sea Food Company, Los Angeles, Calif.
Filed September 17, 1924. Serial No. 202,713. PUBLISHED FEBRUARY 24, 1925.

198,278. CANDY, SPECIFICALLY SWEET CHOCOLATE AND MILK CHOCOLATE. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J.
Filed October 1, 1924. Serial No. 203,268. PUBLISHED FEBRUARY 3, 1925.

198,279. OUTFITS OF MATERIALS FOR DECORATIVE PLASTIC ART WORK. THE ULLMAN MANUFACTURING CO., New York, N. Y.
Filed October 24, 1924. Serial No. 204,380. PUBLISHED FEBRUARY 24, 1925.

198,280. FRESH CITROUS FRUITS. BOWLING GREEN CITRUS GROW'S ASSN., Bowling Green, Fla.
Filed October 29, 1924. Serial No. 204,537. PUBLISHED FEBRUARY 24, 1925.

198,281. OVERALLS. THEO. WEISS & Co., INC., New Orleans, La.
Filed October 18, 1920. Serial No. 138,464. PUBLISHED MARCH 8, 1921.

198,282. DRIED RAISINS. AMERICAN SEEDLESS RAISIN COMPANY, doing business as Del Rey Packing Company, San Francisco, Fresno, and Del Rey, Calif.
Filed November 14, 1924. Serial No. 205,256. PUBLISHED MARCH 3, 1925.

198,283. HAM AND SAUSAGE. JEMIMA DAVIDSON, doing business as J. Davidson & Son, New Bedford, Mass.
Filed November 17, 1924. Serial No. 205,399. PUBLISHED MARCH 3, 1925.

198,284. DRY SAUSAGE. THE CUDAHY PACKING COMPANY, Chicago, Ill.
Filed January 17, 1925. Serial No. 208,227. PUBLISHED MARCH 3, 1925.

198,285. FRESH APPLES. THE GELLATLY FRUIT COMPANY, Wenatchee, Wash.
Filed January 20, 1925. Serial No. 208,342. PUBLISHED MARCH 3, 1925.

198,286. PRESERVED HERRINGS. JAMES MORE LIMITED, Wick, Scotland.
Filed January 21, 1925. Serial No. 208,406. PUBLISHED MARCH 3, 1925.

198,287. CANDY. LOOSE-WILES BISCUIT COMPANY, doing business as Loose-Wiles Company, Kansas City, Mo.
Filed January 24, 1925. Serial No. 208,595. PUBLISHED MARCH 3, 1925.

198,288. PREPARED CITRON. JOHN V. APARLARA, Los Angeles, Calif.
Filed January 26, 1925. Serial No. 208,632. PUBLISHED MARCH 3, 1925.

198,289. DRAFTING TABLES, DRAFTING BOARDS, AND ATTACHMENTS FOR DRAFTING TABLES AND DRAFTING BOARDS, PHOTO-RETOUCHING DESKS AND TABLES, BLUE-PRINT DESKS AND TABLES. AMERICAN DRAFTING FURNITURE CO., INC., Rochester, N. Y.
Filed October 25, 1920. Serial No. 138,746. PUBLISHED OCTOBER 28, 1923.

198,290. INTERNAL-COMBUSTION OR EXPLOSION MOTORS AND PARTS THEREOF AND AGRICULTURAL TRACTORS, ENDLESS-TRACK CRAWLER TRACTORS, LATHES, DRILLS, HAMMERS, HATCHETS, AND SAWS. SOCIETE ANONYME DES USINES RENAULT, Billancourt, Seine, France.
Filed February 1, 1924. Serial No. 191,646. PUBLISHED OCTOBER 28, 1924.

198,291. CHEWING GUM. LOUIS HURWITZ, Philadelphia, Pa.
Filed June 16, 1924. Serial No. 198,638. PUBLISHED FEBRUARY 24, 1925.

198,292. DAIRY PRODUCTS—NAMELY, FRESH MILK, FRESH CREAM, EVAPORATED MILK, CHEESE, BUTTER; DRESSED POULTRY—NAMELY, CHICKENS, DUCKS, GEESE, TURKEYS; AND POULTRY PRODUCTS—NAMELY, EGGS; ICE CREAM, ICES, FROZEN DAINTIES, AND DESSERTS—NAMELY, FROZEN PUDDINGS AND CUSTARDS; CANDIES, PASTRIES; AND BAKERY PRODUCTS—NAMELY, CAKES, COOKIES, CONES MADE FROM CAKE, AND FRENCH PASTRIES. HASELWOOD COMPANY, LIMITED, Spokane, Wash., and Portland, Oreg.
Filed July 25, 1924. Serial No. 200,493. PUBLISHED FEBRUARY 3, 1925.

198,293. PINS OF THE COMMON TYPE FORMED OF A PIECE OF WIRE WITH POINTED AND HEADED ENDS. THE MONARCH MARKING SYSTEM COMPANY, Dayton, Ohio.
Filed November 1, 1924. Serial No. 204,718. PUBLISHED FEBRUARY 10, 1925.

198,294. ARTIFICIAL LEATHER. F. S. CARR COMPANY, Boston, Mass.
Filed November 4, 1924. Serial No. 204,815. PUBLISHED FEBRUARY 10, 1925.

198,296. SHOE LACINGS. CORDO-HYDE COMPANY, Brockton, Mass.
Filed November 7, 1924. Serial No. 204,962. PUBLISHED FEBRUARY 24, 1925.

198,296. CANDY. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed November 15, 1924. Serial No. 205,382. PUBLISHED FEBRUARY 24, 1925.

198,297. DRIED RAISINS. CHAS. G. BONNER, doing business as Bonner Packing Company and as Locan Packing Co., Fresno, Calif.
Filed December 1, 1924. Serial No. 206,054. PUBLISHED FEBRUARY 10, 1925.

198,298. COMBS. JULIUS SCHMID, INC., New York, N. Y.
Filed December 12, 1924. Serial No. 206,641. PUBLISHED FEBRUARY 17, 1925.

198,299. FILES AND RASPS. ARCADE FILE WORKS, Anderson, Ind.
Filed December 24, 1924. Serial No. 207,165. PUBLISHED FEBRUARY 24, 1925.

198,300. SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, OR WORSTED. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed December 26, 1924. Serial No. 207,242. PUBLISHED FEBRUARY 17, 1925.

198,301. FRESH FRUITS AND FRESH VEGETABLES. W. R. ROACH & Co., Grand Rapids, Mich.
Filed December 29, 1924. Serial No. 207,404. PUBLISHED FEBRUARY 10, 1925.

198,302. SAUSAGE. SWIFT AND COMPANY, Chicago, Ill.
Filed Jan. 15, 1925. Serial No. 208,168. PUBLISHED FEBRUARY 24, 1925.

198,303. COFFEE. GUILLERMO GUTIERREZ VÉLEZ, New York, N. Y.
Filed January 14, 1925. Serial No. 208,119. PUBLISHED FEBRUARY 24, 1925.

198,304. CANNED VEGETABLES, PARTICULARLY CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 15, 1925. Serial No. 208,148. PUBLISHED FEBRUARY 24, 1925.

198,305. CANNED VEGETABLES, PARTICULARLY CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 15, 1925. Serial No. 208,147. PUBLISHED FEBRUARY 24, 1925.

198,306. COFFEE. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo.
Filed January 15, 1925. Serial No. 208,183. PUBLISHED FEBRUARY 24, 1925.

198,307. CANDY BAR. SHOTWELL MFG. CO., Chicago, Ill.
Filed January 14, 1925. Serial No. 208,112. PUBLISHED FEBRUARY 24, 1925.

198,308. CANNED SALMON. JEREMIAH B. G. DICKINSON, New York, N. Y.
Filed January 14, 1925. Serial No. 208,093. PUBLISHED FEBRUARY 24, 1925.

198,309. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. J. H. STRAIT & Co., Bloomington, Calif.
Filed January 12, 1925. Serial No. 208,020. PUBLISHED FEBRUARY 24, 1925.

198,310. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. REDLANDS FOOTHILL GROVES, Redlands, Calif.
Filed January 12, 1925. Serial No. 208,012. PUBLISHED FEBRUARY 24, 1925.

198,311. MEN'S AND YOUNG MEN'S OVERCOATS, TOPCOATS, AND SUITS IN ONE, TWO, AND THREE PIECE GARMENTS. FRUHAUF BROS. & CO., New York, N. Y.
Filed January 12, 1925. Serial No. 207,984. PUBLISHED FEBRUARY 24, 1925.

198,312. MEN'S AND YOUNG MEN'S TOPCOATS, OVERCOATS, AND SUITS IN ONE, TWO, AND THREE PIECE GARMENTS. FRUHAUF BROS. & CO., New York, N. Y.
Filed January 12, 1925. Serial No. 207,983. PUBLISHED FEBRUARY 24, 1925.

198,313. MEN'S AND YOUNG MEN'S SUITS, OVERCOATS, AND TOPCOATS IN ONE, TWO, AND THREE PIECE GARMENTS. FRUHAUF BROS. & CO., New York, N. Y.
Filed January 12, 1925. Serial No. 207,982. PUBLISHED FEBRUARY 24, 1925.

198,314. FROCKS AND DRESSES. ETHEL GLORIA BROWNING HOVEY, New York, N. Y.
Filed January 10, 1925. Serial No. 207,935. PUBLISHED FEBRUARY 24, 1925.

198,315. DRESS, NEGLIGEE, AND WORK SHIRTS; NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed January 5, 1925. Serial No. 207,664. PUBLISHED FEBRUARY 24, 1925.

198,316. LUBRICATING OILS. MARQUETTE PETROLEUM PRODUCTS, Chicago, Ill.
Filed December 24, 1924. Serial No. 207,196. PUBLISHED FEBRUARY 24, 1925.

198,317. KEROSENE, GASOLINE, MOTOR FUEL, NAPHTHA, DISTILLATE, FURNACE OIL, GAS OIL, FUEL OIL, SEPARATOR OIL, GAS-ENGINE OIL, DYNAMO OIL, AND ALL OTHER DIFFERENT GRADES OF LUBRICATING OILS, INCLUDING VISCOUS AND NONVISCOUS NEUTRAL OILS AND CYLINDER STOCK. WHITE EAGLE OIL AND REFINING COMPANY, Kansas City, Mo.
Filed December 23, 1924. Serial No. 207,160. PUBLISHED FEBRUARY 17, 1925.

198,318. FRESH GRAPES. JOHN RANKINS, Oakland and Wahtoke, Calif.
Filed December 12, 1924. Serial No. 206,634. PUBLISHED FEBRUARY 24, 1925.

198,319. ATHLETIC AND SPORTS CLOTHING—NAMELY, CAPS, COATS, VESTS FOR MEN, WOMEN, AND CHILDREN; TROUSERS; OUTER, DRESS, AND NEGLIGEE SHIRTS; SLICKERS, AND STOCKINGS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,467. PUBLISHED FEBRUARY 24, 1925.

198,320. ENAMEL IN THE NATURE OF PAINT. FORALIN PRODUCTS CORPORATION, New York, N. Y.
Filed December 8, 1924. Serial No. 206,404. PUBLISHED FEBRUARY 24, 1925.

198,321. DRIED RAISINS. THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J.
Filed December 5, 1924. Serial No. 206,293. PUBLISHED FEBRUARY 24, 1925.

198,322. RUST-INHIBITIVE PAINT FOR USE ON STRUCTURAL STEEL AND IRON FOR PREVENTION OF CORROSION AND RUST. BORDEN & REMINGTON CO., Fall River, Mass.
Filed December 5, 1924. Serial No. 206,274. PUBLISHED FEBRUARY 24, 1925.

198,323. OIL ENAMEL PAINT FOR INTERNAL USE. BORDEN & REMINGTON CO., Fall River, Mass.
Filed December 3, 1924. Serial No. 206,152. PUBLISHED FEBRUARY 24, 1925.

198,324. [WITHDRAWN.]

198,325. FOOD FOR INFANTS AND INVALIDS. BENGER'S FOOD, LIMITED, Manchester, England.
Filed December 2, 1924. Serial No. 206,103. PUBLISHED FEBRUARY 24, 1925.

198,326. OVERALLS, DRESSES, AND MEN'S DRESS AND NEGLIGEE SHIRTS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed November 18, 1924. Serial No. 205,498. PUBLISHED FEBRUARY 24, 1925.

198,327. MIXED PAINTS, DRY PAINTS, PRIME PAINTS, ASPHALTIC PAINTS, WATERPROOF PAINTS, PASTE PAINTS, WOOD-PRESERVING PAINTS, PAINT SIZES, PAINT PIGMENTS, VARNISHES, WOOD STAINS, PENETRATING OIL STAINS, OIL FINISHES, COLORS IN OIL, ZINC WHITE, ENAMELS, DRIERS, FLOOR WAXES; FILLERS—VIZ, PASTE, SEMIPASTE OR LIQUID MATERIALS APPLIED TO WOOD TO FILL PORES AND CREVICES PREPARATORY TO APPLICATION OF PAINT. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed November 18, 1924. Serial No. 205,467. PUBLISHED FEBRUARY 24, 1925.

198,328. FRESH CITROUS FRUITS. EDGAR W. WIGGINS, Plant City, Fla.
Filed November 10, 1924. Serial No. 205,097. PUBLISHED FEBRUARY 10, 1925.

198,329. CASTINGS FOR PIPE-CARRIER SUPPORTS OF RAILWAY SIGNALING APPARATUS. O. S. FLATH COMPANY, Chicago, Ill.
Filed December 7, 1923. Serial No. 189,356. PUBLISHED FEBRUARY 17, 1925.

198,330. SANITARY STEP-INS, SANITARY APRONS, AND SANITARY BELTS. STAR GARTER CO., Chicago, Ill.
Filed February 27, 1924. Serial No. 192,936. PUBLISHED AUGUST 19, 1924.

198,331. SHOES OF LEATHER, RUBBER, FABRICS, AND COMBINATIONS OF THESE MATERIALS, AND FOR LEGGINGS. PNEUMA SCHUHFABRIK A.-G., Erfurt, Germany.
Filed March 10, 1924. Serial No. 193,541. PUBLISHED NOVEMBER 4, 1924.

198,332. COMBS. SAMUEL SHEIN, New York, N. Y.
Filed May 1, 1924. Serial No. 196,405. PUBLISHED FEBRUARY 24, 1925.

198,333. DENTAL ABRASIVE POINTS. THE RANSOM & RANDOLPH CO., Toledo, Ohio.
Filed June 23, 1924. Serial No. 199,021. PUBLISHED FEBRUARY 17, 1925.

198,334. HAIR GOODS—TO WIT, COMBINATION SWITCHES AND BANDEAUX, HAIR WIGS, SWITCHES, HAIR PIECES, AND POMPADOURS. A. BEESLAUER INCORPORATED, New York, N. Y.
Filed October 29, 1924. Serial No. 204,589. PUBLISHED MARCH 3, 1925.

198,335. CONVERTIBLE LEVELS. GEISE & BLUHM, INC., Troy, N. Y.
Filed November 6, 1924. Serial No. 204,901. PUBLISHED FEBRUARY 17, 1925.

198,336. PHOTOGRAPHIC GOODS, PARTICULARLY SENSITIZED FILMS. THE GOODWIN FILM & CAMERA COMPANY, Binghamton, N. Y.
Filed November 10, 1924. Serial No. 205,058. PUBLISHED FEBRUARY 17, 1925.

198,337. PHOTOGRAPHIC GOODS, PARTICULARLY CAMERAS. THE GOODWIN FILM & CAMERA COMPANY, Binghamton, N. Y.
Filed November 10, 1924. Serial No. 205,059. PUBLISHED FEBRUARY 17, 1925.

198,338. RUBBER NURSING NIPPLES AND SURGEONS' RUBBER GLOVES. THE PYRAMID RUBBER SPECIALTY COMPANY, Ravenna, Ohio.
Filed November 20, 1924. Serial No. 205,613. PUBLISHED FEBRUARY 17, 1925.

198,339. MOVING-PICTURE FILMS. RAY M. MILLAR, San Jose, Calif.
Filed November 28, 1924. Serial No. 205,989. PUBLISHED FEBRUARY, 17, 1925.

198,340. MUFFLED AND POP SAFETY VALVES, BLOWER AND BLOW-OFF VALVES, AUTOMATIC CYLINDER WATER-RELIEF VALVES. THE COALE MUFFLER & SAFETY VALVE CO., Baltimore, Md.
Filed November 29, 1924. Serial No. 205,993. PUBLISHED FEBRUARY 17, 1925.

198,341. WATER METERS. SENTRY METER CO., Detroit, Mich.
Filed December 4, 1924. Serial No. 206,260. PUBLISHED FEBRUARY 17, 1925.

198,342. WIRE CHAINS, SHEET-METAL CHAINS, METAL LINKS, METAL RINGS, COIL SPRINGS, HOOKS, SHACKLES, KEY-RING HOLDERS, SPLIT KEY RINGS, CLEVISES, EYEBOLTS, SNAPS, HOOKS AND EYES, AND SWIVELS. THE BRIDGEPORT CHAIN COMPANY, Bridgeport, Conn.
Filed December 6, 1924. Serial No. 206,340. PUBLISHED FEBRUARY 17, 1925.

198,343. SPECTACLES. NEWPORT OPTICAL MFG. CO., Brooklyn, N. Y.
Filed December 18, 1924. Serial No. 206,914. PUBLISHED FEBRUARY 17, 1925.

198,344. FLUID SEPARATORS. THE TRACY ENGINEERING COMPANY, San Francisco, Calif.
Filed December 16, 1924. Serial No. 206,864. PUBLISHED FEBRUARY 17, 1925.

198,345. METAL SIGNS. HI-ART SIGNS, Chicago, Ill.
Filed December 20, 1924. Serial No. 207,016. PUBLISHED FEBRUARY 17, 1925.

198,346. EMBROIDERY PATTERNS STAMPED ON MATERIAL READY TO BE EMBROIDERED. CUPID ART CO. INC., New York, N. Y.
Filed December 24, 1924. Serial No. 207,180. PUBLISHED MARCH 3, 1925.

198,347. BAND-SAW MACHINES AND BAND-SAW BLADES. THE HENRY G. THOMPSON & SON COMPANY, New Haven, Conn.
Filed December 24, 1924. Serial No. 207,212. PUBLISHED FEBRUARY 24, 1925.

198,348. SHOE LACINGS, CORSET LACINGS, UNDERWEAR LACINGS, BLOUSE LACINGS, GALLOONS, AND BRAIDS, ALL OF WHICH ARE MADE OF COTTON, LINEN, SILK, OR WORSTED. INTERNATIONAL BRAID COMPANY, Providence, R. I.
Filed December 26, 1924. Serial No. 207,243. PUBLISHED FEBRUARY 17, 1925.

198,349. DERRICKS AND TRAVELING CRANES. CULLEN-FRIESTEDT COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,343. PUBLISHED FEBRUARY 24, 1925.

198,350. THERMOMETERS. TAYLOR INSTRUMENT COMPANIES, INC., Rochester, N. Y.
Filed December 30, 1924. Serial No. 207,479. PUBLISHED FEBRUARY 24, 1925.

198,351. COMBS. JULIUS SCHMID, INC., New York, N. Y.
Filed December 31, 1924. Serial No. 207,528. PUBLISHED FEBRUARY 17, 1925.

198,352. TAPE. GERSTEIN BROTHERS, New York, N. Y.
Filed January 6, 1925. Serial No. 207,736. PUBLISHED FEBRUARY 17, 1925.

198,353. BIAS BINDING. THE STAR BINDING & TRIMMING CO., INC., New York, N. Y.
Filed January 8, 1925. Serial No. 207,884. PUBLISHED MARCH 3, 1925.

198,354. CANDY. A. M. RAMER CO., St. Paul, Minn.
Filed January 17, 1925. Serial No. 208,258. PUBLISHED FEBRUARY 24, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

198,355. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WHITE BROS. & CRUM CO., Lewiston, Idaho. Filed Jan. 27, 1925. Serial No. 208,730.

Best Value

Particular description of goods.—Fresh Apples.
Claims use since September, 1920.

198,356. (CLASS 39. CLOTHING.) NEW ERA SHIRT COMPANY, St. Louis, Mo. Filed Jan. 26, 1925. Serial No. 208,673.

ALASKA

Particular description of goods.—Men's, Women's, and Children's Flannel Shirts and Blouses.
Claims use since about November, 1923.

198,357. (CLASS 14. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOSEPH ROBINSON, New York, N. Y. Filed Nov. 21, 1923. Serial No. 188,642.

ROBINSON

Particular description of goods.—Automatic Train-Pipe Connectors.
Claims use since 1912.

198,358. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRELL MILLS, INC., Philadelphia, Pa.; New York, N. Y.; and Chicago, Ill. Filed Jan. 9, 1924. Serial No. 190,604.

NARBERTH

Particular description of goods.—Tapestry Fabric Made of a Combination of Mercerized Cotton, Silk, Artificial Silk, and Wool.
Claims use since Jan. 8, 1924.

198,359. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LANGLADE COUNTY CREAMERY CO., Antigo, Wis. Filed Feb. 24, 1925. Serial No. 210,063.

Langlade Best BRAND BUTTER

Particular description of goods.—Butter.
Claims use since about Jan. 1, 1915.

198,360. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOSEPH LEE SWEENEY, doing business as Nu-Mat-Ic Key Company, New York, N. Y. Filed Mar. 18, 1924. Serial No. 194,029.

NU-MAT-IC

Particular description of goods.—Key Caps for Typewriters.
Claims use since May 1, 1923.

198,361. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE PAXTON-MITCHELL COMPANY, Omaha, Nebr. Filed Jan. 29, 1924. Serial No. 191,445.

Paxton-Mitchell
METALLIC PACKING

Particular description of goods.—Metallic Packings.
Claims use since Jan. 2, 1900.

198,362. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE BALDWIN LOCOMOTIVE WORKS, Philadelphia, Pa. Filed Apr. 5, 1924. Serial No. 195,043.

BALDWIN

Particular description of goods.—Locomotives and Parts Thereof.
Claims use since Mar. 17, 1924.

198,363. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) EDWARD W. WALLACE, doing business as Normal Foot-Tread Company, Chicago, Ill. Filed May 3, 1924. Serial No. 196,558.

NORMAL FOOT-TREADS

Particular description of goods.—Arch Supporters.
Claims use since Feb. 18, 1924.

198,364. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) TWENTIETH CENTURY MFG. CO., Los Angeles, Calif. Filed May 9, 1924. Serial No. 196,840.

Doroner Didee

Particular description of goods.—Children's Diapers.
Claims use since Mar. 29, 1924.

198,365. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AKRON COMPANY, Philadelphia, Pa. Filed May 12, 1924. Serial No. 196,896.

VISIBLE

Particular description of goods.—Oil-Pressure-Feed Systems.
Claims use since Mar. 27, 1924.

198,366. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MODEL MILLS COMPANY, Philadelphia, Pa. Filed May 14, 1924. Serial No. 197,030.

TABRIZ

Particular description of goods.—Worsted Wilton Rugs.
Claims use since March, 1923.

198,367. (CLASS 12. CONSTRUCTION MATERIALS.) ARMSTRONG CORK & INSULATION COMPANY, Pittsburgh, Pa. Filed Aug. 9, 1924. Serial No. 201,171.

Armstrong's

Particular description of goods.—Heat-Insulating Materials Containing Cork as an Ingredient Thereof.
Claims use since July 28, 1923.

198,368. (CLASS 24. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) JOHN A. LAMB, Duluth, Minn. Filed Oct. 17, 1924. Serial No. 204,037.

KILGLARE
TRADE MARK

Particular description of goods.—Light Shields for Automobile Windshields.
Claims use since March, 1923.

198,369. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDERSON & TARLOW, New York, N. Y. Filed Oct. 25, 1924. Serial No. 204,388.

Always Tasty

Particular description of goods.—Meat Products—viz, Sausages, Tongues, Hams, Bacon, Salami, Bologna, Corned Beef, Boiled Beef, Pastrami, a Smoked-Meat Roll, Roulade, and Flanken, a Smoked-Meat Roll.
Claims use since about Dec. 8, 1915.

198,370. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind. Filed Dec. 8, 1924. Serial No. 206,439.

STAINKOTE

Particular description of goods.—Floor and Varnish Stain.
Claims use since Feb. 10, 1910.

198,371. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE BECHER BROTHERS COMPANY, New Haven, Conn. Filed Jan. 5, 1925. Serial No. 207,648.

SPENCER

Particular description of goods.—Abdominal Belts, Body Braces, and Surgical Corsets.
Claims use since on or about Aug. 31, 1904.

198,372. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) LINLEY BROTHERS COMPANY, Bridgeport, Conn. Filed Feb. 4, 1925. Serial No. 209,094.

DRANEBAK

Particular description of goods.—Piston Rings.
Claims use since about the middle of March, 1924.

198,373. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) F. H. SMITH MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 6, 1925. Serial No. 209,181.

UNIVERSAL

Particular description of goods.—Grommet, Hook-and-Eyelet, and Fastener Setting Machines.
Claims use since Jan. 1, 1906.

198,374. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE DARBY COAL SALES COMPANY, Cincinnati, Ohio. Filed Feb. 14, 1925. Serial No. 209,564.

SUNSET

Particular description of goods.—Coal.
Claims use since Jan. 31, 1922.

198,375. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MURALO COMPANY, INC., New Brighton, N. Y. Filed Feb. 3, 1925. Serial No. 209,054.

FRESCO-TINT

Particular description of goods.—A Dry Powder to be Mixed with Cold Water and Used as a Decorative Wall Coating.
Claims use since Oct. 15, 1915.

198,376. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) RICHARD JOBLING, Calumet, Mich. Filed Feb. 18, 1925. Serial No. 209,794.

THE DR. JOBLING KNEEL PAD
DR. JOBLING'S TRADE KNEEL PAD MARK

Particular description of goods.—Kneel Pads.
Claims use since Oct. 1, 1923.

198,377. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) GEO. W. HARRINGTON, New York, N. Y. Filed Dec. 12, 1924. Serial No. 206,617.

GEO. EXTRA

Particular description of goods.—Malt Extract.
Claims use since Dec. 4, 1918.

198,378. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOVELAND CANNING COMPANY, Loveland, Colo. Filed Feb. 24, 1925. Serial No. 210,066.

Loveland

Particular description of goods.—Canned Cherries, Gooseberries, and Apples.
Claims use since 1919.

198,379. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HATTON, BROWN & COMPANY, Columbus, Ohio. Filed Feb. 25, 1925. Serial No. 210,120.

BLUE RIDGE

Particular description of goods.—Bituminous Coal of a High-Volatile Content.
Claims use since 1911.

198,380. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AEROIL BURNER COMPANY, INC., Union Hill, N. J. Filed Feb. 25, 1925. Serial No. 210,109.

AEROIL SMOKELESS

Particular description of goods.—Oil-Burning Appliances—Namely, Individual Portable Oil Burners, Individual Stationary Oil Burners, Blowtorches, Fire Pots, Melting Furnaces, Thawing Outfits, Thawing Torches, Kerosene-Gas Burners, Oil-Burning Tar Kettles, Oil-Burning Asphalt Kettles, Camp Stoves, Concrete Heaters, and Furnace Burners.
Claims use since Feb. 1, 1923.

198,381. (CLASS 39. CLOTHING.) WILLIAM L. ROOT, New York, N. Y. Filed Apr. 4, 1924. Serial No. 195,020.

Holder-Bib

Particular description of goods.—Infants' Articles—Namely, Fabric Devices Serving as Bib and Adapted to Secure Infant in a Crib or High Chair or Bed.
Claims use since Mar. 11, 1924.

198,382. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925. Serial No. 210,283.

MARCY

Particular description of goods.—Collars.
Claims use since June 16, 1920.

198,383. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925. Serial No. 210,278.

DEVON

Particular description of goods.—Collars.
Claims use since January, 1912.

198,384. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925. Serial No. 210,279.

DUNCAN

Particular description of goods.—Collars.
Claims use since Mar. 13, 1920.

198,385. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925. Serial No. 210,284.

MARLEY

Particular description of goods.—Collars.
Claims use since Sept. 6, 1912.

198,386. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925. Serial No. 210,354.

DIX

Particular description of goods.—Collars.
Claims use since Dec. 13, 1923.

198,387. (CLASS 39. CLOTHING.) CLUETT, PEABODY, & CO. INC., Troy, N. Y. Filed Mar. 2, 1925. Serial No. 210,355.

DORSET

Particular description of goods.—Collars.
Claims use since Oct. 26, 1910.

198,388. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925. Serial No. 210,358.

RAND

Particular description of goods.—Collars.
Claims use since Sept. 18, 1922.

198,389. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925. Serial No. 210,360.

TATE

Particular description of goods.—Collars.
Claims use since May 25, 1922.

198,390. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) WM. P. KEMPF & SON, Philadelphia, Pa. Filed Mar. 7, 1925. Serial No. 210,670.

"Standwear"

Particular description of goods.—Cocoa Mats, Jute Mats, and Mats Made of a Combination of Cocoa and Jute Fibers.
Claims use since about July 1, 1917.

198,391. (CLASS 7. CORDAGE.) PLYMOUTH CORDAGE COMPANY, Plymouth, Mass. Filed Jan. 16, 1923. Serial No. 174,671.

STRONG-TIE

Particular description of goods.—Fibrous and Textile Cables, Ropes, and Twines.
Claims use since July 21, 1922.

198,392. (CLASS 39. CLOTHING.) JOHN WANAMAKER, NEW YORK, New York, N. Y. Filed July 19, 1923. Serial No. 183,460.

C'est Paris

Particular description of goods.—Men's, Women's, Misses', Children's, and Infants' Wear—viz, Overcoats, Suits, Dresses, Coats, Skirts, Knitted and Muslin Underwear, Lingerie, Dress Shirts, Negligee Shirts, Stockings; Leather, Rubber, and Canvas Shoes; Leather Gloves, Fabric Gloves, Belts for Personal Wear, Hats, Caps, Bonnets and Bonnet Frames, Shirt Waists, Negligees, Wrappers, Gowns, Corsets, Brassières, Blouses, Tunics, Collars and Cuffs, and Capes.
Claims use since July 9, 1923.

198,393. (CLASS 37. PAPER AND STATIONERY.) THE DIEM & WING PAPER CO., Cincinnati, Ohio. Filed Oct. 12, 1923. Serial No. 186,881.

Old English Parchment

Particular description of goods.—Wrapping Paper.
Claims use since January, 1912.

198,394. (CLASS 39. CLOTHING.) ISIDOR L. MARROW, doing business as I. L. Marrow & Co., New York, N. Y. Filed Feb. 15, 1924. Serial No. 192,332.

HARWOOD

Particular description of goods.—Underwear of Textile Fabric for Men.
Claims use since Feb. 1, 1924.

198,395. (CLASS 39. CLOTHING.) BEAR BRAND HOSIERY CO., Chicago, Ill. Filed Feb. 18, 1924. Serial No. 192,471.

VERMONT

Particular description of goods.—Textile Articles—Namely, Hosiery.
Claims use since Jan. 3, 1924.

198,396. (CLASS 39. CLOTHING.) FRANK & SEDER INC., Pittsburgh, Pa. Filed Apr. 12, 1924. Serial No. 195,441.

Gloria Dale

Particular description of goods.—Women's and Misses' Dresses.
Claims use since Mar. 3, 1924.

198,397. (CLASS 39. CLOTHING.) MICHEL N. KETSLACH, doing business as Pacific Coast Jobbing Co., Seattle, Wash. Filed Apr. 16, 1924. Serial No. 195,646.

WEARPROOF

Particular description of goods.—Dress, Negligee, and Work Shirts; Children's and Youths' One-Piece Garments (Play Suits), Garters, Neckties; Gloves of Leather, Cotton, and Wool Fabrics or a Combination Thereof; Suspenders, Hosiery, Sweaters, Underwear of Knitted and Textile Fabric.
Claims use since Oct. 10, 1923.

198,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WICKHAM BROTHERS, Dunmore, Pa. Filed July 5, 1924. Serial No. 199,662.

RELISH

Particular description of goods.—A Sauce or Dressing for Foods.
Claims use since 1914.

198,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WICKHAM BROTHERS, Dunmore, Pa. Filed July 5, 1924. Serial No. 199,663.

The Tasty Brand

Particular description of goods.—Potato Chips.
Claims use since Nov. 15, 1923.

198,400. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HARROWER LABORATORY, INC., Wilmington, Del., and Glendale, Calif. Filed July 8, 1924. Serial No. 199,750.

PARA-SPLEEN CO

Particular description of goods.—A Liquid Medicinal Compound for Use in the Treatment of Tuberculosis.
Claims use since Apr. 2, 1924.

198,401. (CLASS 39. CLOTHING.) LORRAINE SHIRT COMPANY, Philadelphia, Pa. Filed Aug. 23, 1924. Serial No. 201,811.

Lorraine

Particular description of goods.—Men's Negligee Shirts, Men's Knitted Underwear, and Pyjamas.
Claims use since Mar. 15, 1924.

198,402. (CLASS 39. CLOTHING.) ISRAEL GOLD, New York, N. Y. Filed Sept. 15, 1924. Serial No. 202,623.

Gold Good CLOTHES

Particular description of goods.—Men's Suits and Topcoats.
Claims use since January, 1924.

198,403. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PLANTERS & MERCHANTS MILLS, INC., New Braunfels, Tex. Filed Nov. 21, 1924. Serial No. 205,664.

Comal

Particular description of goods.—Cotton Piece Goods—viz, Ginghams.
Claims use since Mar. 31, 1924.

198,404. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUALITY BIOLOGIC COMPANY, Kansas City, Kans. Filed Jan. 12, 1925. Serial No. 208,009.

BIOS

Particular description of goods.—Culture of *Bacillus Acidophilus*.
Claims use since 1920.

198,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUALITY BIOLOGIC COMPANY, Kansas City, Kans. Filed Jan. 12, 1925. Serial No. 208,010.

LEAVEN

Particular description of goods.—Ice-Cream Ripener.
Claims use since Feb. 20, 1924.

198,406. (CLASS 39. CLOTHING. I. BEZARK AND SONS, INC., Chicago, Ill. Filed Jan. 21, 1925. Serial No. 208,377.

Bezark's

Particular description of goods.—Cloaks, Suits, Hats, Fur Coats, Dresses, Stockings, Sweaters, Scarfs, and Shawls, all for Women.
Claims use since Jan. 1, 1905.

198,407. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) NORTH & JUDD MANUFACTURING COMPANY, New Britain, Conn. Filed Jan. 27, 1925. Serial No. 208,716.

LOXPRING

Particular description of goods.—Snaps and Snap Hooks.
Claims use since February, 1918.

198,408. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GARDEN CITY PAINT & VARNISH CO., Chicago, Ill. Filed Feb. 12, 1925. Serial No. 209,472.

GARDEN CITY

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Varnishes, Enamels in the Nature of Paint, and Stains.
Claims use since May, 1915.

198,409. (CLASS 37. PAPER AND STATIONERY.) THE COOKE & COBB COMPANY, Brooklyn, N. Y. Filed Feb. 17, 1925. Serial No. 209,723.

"GRIP"

Particular description of goods.—Letter Files, Folders, and Binders.
Claims use since 1908.

198,410. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HENRY PELS, doing business as Berlin-Erfurter Maschinenfabrik Henry Pels & Co., Berlin-Charlottenburg, Germany. Filed Apr. 3, 1924. Serial No. 194,945.

PELS

Particular description of goods.—Certain Named Machines.
Claims use since April, 1913.

TRADE-MARK REGISTRATIONS RENEWED

26,714. CARBONS FOR ELECTRICAL PURPOSES. Registered June 18, 1895. HUGO REISINGER, New York, N. Y. Renewed June 18, 1925.

26,749. BOTTLED LAGER BEER. Registered July 2, 1895. VALENTIN BLATZ BREWING COMPANY, Milwaukee, Wis., a Corporation of Wisconsin. Renewed July 2, 1925.

27,040. WORM POWDERS. Registered September 3, 1895. ALLEN S. OLMSTED, Le Roy, N. Y. Renewed September 3, 1925.

44,691. TOILET AND LAUNDRY SOAP AND SOAP POWDER. Registered July 18, 1905. CHAUNCEY F. YORK, Warriorsmark, Pa. Renewed July 18, 1925, to Harry J. York, Detroit, Mich., assignee.

44,695. CONFECTIONERY CONTAINING CHOCOLATE. Registered July 18, 1905. ODE & GERBEREUX, New York, N. Y. Renewed July 18, 1925.

44,698. SALVE OR OINTMENT FOR MEDICINAL OR TOILET USE. Registered July 18, 1905. CHAUNCEY F. YORK, Warriorsmark, Pa. Renewed July 18, 1925, to Harry J. York, Detroit, Mich., assignee.

44,815. MOUTH HARMONICAS. Registered July 25, 1905. FIRM OF M. HOHNER. Renewed July 25, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

44,980. SHEETINGS. Registered August 1, 1905. PELZER M'F'G. CO., Pelzer, S. C. Renewed August 1, 1925, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

45,054. WHITE LEAD. Registered August 1, 1905. WETHERILL & BROTHER. Renewed August 1, 1925, to Wetherill & Brother, Philadelphia, Pa., a Corporation of Pennsylvania, assignee.

45,099. SHEETINGS AND DRILLS. Registered August 8, 1905. PELZER M'F'G. CO., Pelzer S. C. Renewed August 8, 1925, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

45,100. BROWN SHEETINGS. Registered August 8, 1905. PELZER M'F'G. CO., Pelzer, S. C. Renewed August 8, 1925, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

45,131. MOUTH HARMONICAS. Registered August 8, 1905. FIRM OF M. HOHNER. Renewed August 8, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,132. MOUTH HARMONICAS. Registered August 8, 1905. FIRM OF M. HOHNER. Renewed August 8, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,134. MOUTH HARMONICAS. Registered August 8, 1905. FIRM OF M. HOHNER. Renewed August 8, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,135. MOUTH HARMONICAS. Registered August 8, 1905. FIRM OF M. HOHNER. Renewed August 8, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,334. DROPPED-FORGED IRONS FOR VEHICLES. Registered August 15, 1905. THE H. D. SMITH & CO., Plantsville, Conn., a Corporation of Connecticut. Renewed August 15, 1925.

45,411. PIANOS. Registered August 15, 1905. STEINWAY & SONS, New York, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,416. CARBONS FOR ELECTRICAL PURPOSES. Registered August 15, 1905. HUGO REISINGER, New York, N. Y. Renewed August 15, 1925.

45,417. CARBONS FOR ELECTRICAL PURPOSES. Registered August 15, 1905. HUGO REISINGER, New York, N. Y. Renewed August 15, 1925.

45,428. TOILET SOAP. Registered August 15, 1905. MÜLHENS & KROPFF. Renewed August 15, 1925, to Mulhens & Kropff Inc., New York, N. Y., a Corporation of New York, assignee.

45,491. WOVEN COVERED CONDUCTORS OR CABLES. Registered August 22, 1905. FRANK M. FERRIN, Boston, Mass. Renewed August 22, 1925.

45,531. MEN'S OUTER GARMENTS, SUCH AS COATS, VESTS, AND TROUSERS. Registered August 22, 1905. STERNEL, STRAUSS & CONNOR, Rochester, N. Y. Renewed August 22, 1925.

45,582. COLLARS AND CUFFS. Registered August 22, 1905. EARL & WILSON. Renewed August 22, 1925, to Cluett, Peabody & Co. Inc., Troy, N. Y., a Corporation of New York, assignee.

45,605. BLACK INK. Registered August 22, 1905. THADDEUS DAVIDS COMPANY. Renewed August 22, 1925, to Thaddeus Davids Ink Co. Inc., New York, N. Y., a Corporation of New York, successor.

45,653. COMPOSITIONS APPLIED IN MAKING ORNAMENTAL CARDS. Registered August 29, 1905. THADDEUS DAVIDS COMPANY. Renewed August 29, 1925, to Thaddeus Davids Ink Co. Inc., New York, N. Y., a Corporation of New York, successor.

45,763. SHEETINGS. Registered August 29, 1905. PELZER M'F'G. CO., Pelzer, S. C. Renewed August 29, 1925, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

45,837. MOUTH HARMONICAS. Registered August 29, 1905. FIRM OF M. HOHNER. Renewed August 29, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,846. PIANOS. Registered August 29, 1905. STEINWAY & SONS, New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,847. GRAND PIANOS. Registered August 29, 1905. STEINWAY & SONS, New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,848. UPRIGHT PIANOS. Registered August 29, 1905. STEINWAY & SONS, New York, N. Y., a Corporation of New York. Renewed August 29, 1925.

45,867. RAW SILK, WASTE SILK, AND SPUN SILK. Registered August 29, 1905. MORIMURA ARAI & CO., New York, N. Y. Renewed August 29, 1925.

46,051. MOUTH HARMONICAS. Registered September 5, 1905. STRAUSS BROS. & CO. Renewed September 5, 1925, to Ferdinand Strauss, New York, N. Y., assignee.

46,068. COLORING AND FLAVORING EXTRACTS. Registered September 5, 1905. THE PALISADE MANUFACTURING COMPANY, West Hoboken, N. J. Renewed September 5, 1925, to Kitchen Bouquet Inc., New York, N. Y., a Corporation of Delaware, assignee.

46,072. SNAP FASTENERS. Registered September 5, 1905. UNITED STATES FASTENER COMPANY, Boston, Mass., a Corporation of Maine. Renewed September 5, 1925.

46,078. PISTON PACKING. Registered September 5, 1905. AMERICAN STEAM PACKING COMPANY, Boston, Mass., a Corporation of Maine. Renewed September 5, 1925.

46,148. SHEARS. Registered September 5, 1905. THE ACME SHEAR COMPANY, Bridgeport, Conn., a Corporation of Connecticut. Renewed September 5, 1925.

46,494. BLOOD-PURIFYING HERB TEAS. Registered September 19, 1905. THE WEBER MEDICAL TEA CO., Brooklyn, N. Y., a Corporation of West Virginia. Renewed September 19, 1925.

46,496. ILLUMINATING OILS. Registered September 19, 1905. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed September 19, 1925.

46,505. CIGARS. Registered September 26, 1905. CALIXTO LOPEZ & CO., Jersey City, N. J., a Corporation of New Jersey. Renewed September 26, 1925.

46,557. HYDRATED LIME. Registered September 26, 1905. HOUSTON BROTHERS COMPANY, Pittsburgh, Pa., a Corporation of New Jersey. Renewed September 26, 1925.

46,560. SOAP POWDER. Registered September 26, 1905. KENDALL MFG. CO., Providence, R. I., a Corporation of Rhode Island. Renewed September 26, 1925.

46,574. PIANOS. Registered September 26, 1905. THE ELLINGTON PIANO COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,579. MUCILAGE AND MUCILAGINOUS FLUIDS OR PASTES. Registered September 26, 1905. THADDEUS DAVIDS COMPANY. Renewed September 26, 1925, to Thaddeus Davids Ink Co. Inc., New York, N. Y., a Corporation of New York, successor.

46,604. OUTER AND DRESS SHIRTS. Registered September 26, 1905. EARL & WILSON. Renewed September 26, 1925, to Cluett, Peabody & Co. Inc., Troy, N. Y., a Corporation of New York, assignee.

46,640. WRITING INK. Registered September 26, 1905. THADDEUS DAVIDS COMPANY. Renewed September 26, 1925, to Thaddeus Davids Ink Co. Inc., New York, N. Y., a Corporation of New York, successor.

46,670. PIANOS. Registered October 3, 1905. THE JOHN CHURCH COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed October 3, 1925.

46,735. SCHOOL TEXTBOOKS. Registered October 3, 1905. AMERICAN BOOK COMPANY. Renewed October 3, 1925, to American Book Company, New York, N. Y., a Corporation of New York, assignee.

46,791. FILES AND RASPS. Registered October 10, 1905, G. & H. BARNETT COMPANY, Philadelphia, Pa., a Corporation of Pennsylvania. Renewed October 10, 1925.

46,794. FILES AND RASPS. Registered October 10, 1905. KEARNEY & FOOT COMPANY, Paterson, N. J., a Corporation of New Jersey. Renewed October 10, 1925.

46,870. MEDICINE FOR THE TREATMENT OF TROUBLE RESULTING FROM DISEASES OF THE HEART, KIDNEYS, OR LIVER. Registered October 10, 1905. THE ANASARCIN CHEMICAL COMPANY, Winchester, Tenn., a Corporation of Tennessee. Renewed October 10, 1925.

46,993. PIANOS. Registered October 17, 1905. THE BALDWIN COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed October 17, 1925.

47,021. AN OIL. Registered October 17, 1905. G. W. COLE COMPANY. Renewed October 17, 1925, to Three In One Oil Company, Rahway, N. J., and New York, N. Y., a Corporation of New Jersey, assignee.

LABELS

REGISTERED MAY 12, 1925.

28,632.—*Title:* SCHIMMEL BRAND PURE JELLED FRUIT. For Preserves. THE AMERICAN PRESERVE CO., Philadelphia, Pa. Published January 15, 1925.

28,633.—*Title:* SALSA BRAVA. For Canned Chili Sauce. PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif. Published December 1, 1924.

28,634.—*Title:* PLANADA. For Preserved Figs. THE BECKWITH COMPANY, Reedley, Calif. Published December 20, 1924.

28,635.—*Title:* BOSCH HYDROMETER. For Hydrometers. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany. Published March 18, 1925.

28,636.—*Title:* CO-LIN CRASH. For Toweling. GEORGE HAWKINS BROCKENBROUGH, Jr., Charlotte, N. C. Published December 1, 1924.

28,637.—*Title:* MISSION. For Orange Juice. CALIFORNIA CRUSHED FRUIT CORPORATION, Los Angeles, Calif. Published December 15, 1924.

28,638.—*Title:* CALIFORNIA WINE GRAPE TONIC. For California Wine Grape Tonic, Otherwise Known as California's Wonder Tonic. CALIFORNIA WINE GRAPE PRODUCTS, INC., Reno, Nev., and Calistoga, Calif. Published December 29, 1924.

28,639.—*Title:* —INSTANT SUDS. For Washing-Machine Soap. CITRUS SOAP COMPANY OF CALIFORNIA, San Diego, Calif. Published October 1, 1924.

28,640.—*Title:* HUSTLER BEADS. For Beads. J. L. CLARK MANUFACTURING CO., Rockford, Ill. Published January 17, 1925.

28,641.—*Title:* PORCELENO CLEANER. For Cleaner to Remove Stains and Clean Bathtubs, Sinks, Washbasins, and Enamel Furniture. DE LITE PRODUCTS CO., Long Beach, Calif. Published February 1, 1925.

28,642.—*Title:* BOHEMIAN CREAM. For Malt Extract. JOSEPH T. DENEND, doing business as Wursburger Malt Extract Co., Chicago, Ill. Published March 10, 1925.

28,643.—*Title:* PAIN CAKE. For Medicinal Plasters. DUANE REMEDIES CORPORATION, New York, N. Y. Published December 17, 1924.

28,644.—*Title:* HASKELL'S HEAVY PACK. For Apples. EARL FRUIT COMPANY, San Francisco, Calif. Published June 4, 1924.

28,645.—*Title:* EXCELLENT. For Disk Records. EXCELLENT RECORD CORPORATION, New York, N. Y. Published December 27, 1924.

28,646.—*Title:* QUALITY. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published December 1, 1924.

28,647.—*Title:* VELVET. For Toilet Paper. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Published December 9, 1920.

28,648.—*Title:* KRAFT KLOTH. For Toilet Paper. FORT HOWARD PAPER COMPANY, Green Bay, Wis. Published June 21, 1921.

28,649.—*Title:* MISS-LOU. For Oysters. C. B. FOSTER PACKING CO., INC., Biloxi, Miss. Published October 1, 1924.

28,650.—*Title:* SANTA WONDER WALNUTS. For Walnuts. G. M. GEST, San Francisco, Calif. Published December 4, 1924.

28,651.—*Title:* SMALL BLACKS. For Coffee Confection. THE GOLDEN PHEASANT, San Francisco, Calif. Published October 31, 1924.

28,652.—*Title:* LINE-A-TOUCH. For Devices to Hold Copies for Transcribing or Similar Purposes. GRAHAM-DAY CO., Cleveland, Ohio. Published February 28, 1925.

28,653.—*Title:* D—ENVELOPE MANILA. For Paper. GROVETON PAPER COMPANY, INC., Groveton, N. H. Published February 26, 1925.

28,654.—*Title:* A—ENVELOPE MANILA. For Paper. GROVETON PAPER COMPANY, INC., Groveton, N. H. Published March. 5, 1925.

28,655.—*Title:* W W H FLAVORS. For Flavorings for Food Products. WILL W. HERRICK, Saratoga Springs, N. Y. Published January 26, 1925.

28,656.—*Title:* LINDSAY. For Canned Ripe Olives. LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Published February 20, 1925.

28,657.—*Title:* DR. LIPPI BLOOD PURIFIER TONIC. For Blood Tonic. DR. ANDREW F. LIPPI, Philadelphia, Pa. Published March 1, 1924.

28,658.—*Title:* OCTOBER GOLD, TRIPLE BLEND CIDER. For Cider. HOWARD F. MACMILLIN, doing business as The October Gold Company, Mount Gilead and Mansfield, Ohio. Published November 12, 1924.

28,659.—*Title:* MAIER SELECT PALE. For a Malt Bevbrokoko. MAMMALA CORPORATION, New York, N. Y. Calif. Published December 30, 1924.

28,660.—*Title:* MONKEY DESIGN LABEL. For Ambrokoko. MAMMALA CORPORATION, New York, N. Y. Published October 27, 1924.

28,661.—*Title:* CARMEL MOUNTAIN. For Fresh Pears. MABEL BERWICK MASON, doing business as Edward Berwick Jr., Monterey, Calif. Published January 24, 1925.

28,662.—*Title:* UNION MAID MALT SYRUP. For Barley Malt Sirup. HERMAN L. MERGARD, doing business as Mergard's Supply Co., Cincinnati, Ohio. Published June 30, 1924.

28,663.—*Title:* RUDOLPH & BAUER. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published March 17, 1925.

28,664.—*Title:* THE PAINTER'S FRIEND NEWTON'S WATER STAIN ERADICATOR. For Liquid Compound Used to Destroy Water Stains in Plastered Walls so They Will Not Show Through When Retinted. FENTON G. NEWTON, Workman, Calif. Published December 15, 1924.

28,665.—*Title:* KLENZ-ALL. For Liquid Compound for Cleaning of Clothes and Other Cleaning Purposes in a Home. FENTON G. NEWTON, Workman, Calif. Published December 15, 1924.

28,666.—*Title:* KAR-BRITE WONDER GLOSS. For Auto Luxury Which Prevents Rust, Polishes and Cleans at the Same Time, Producing a Durable, Waterproof Finish. C. A. OSTRANDER & SONS, Avoca, N. Y. Published April 1, 1924.

28,667.—*Title:* OWENS STAPLE-TIED TOOTH BRUSH. For Toothbrushes. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Published February 2, 1925.

28,668.—*Title:* DR. HARTZELL TOOTH BRUSH. For Toothbrushes. THE OWENS STAPLE-TIED BRUSH COMPANY, Toledo, Ohio. Published February 2, 1925.

28,669.—*Title:* PABCO-TOY MERRY-GO-ROUND. For a Toy. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Published September 17, 1924.

28,670.—*Title:* PABCO-TOY RING CIRCUS. For a Toy. THE PARAFFINE COMPANIES, INC., San Francisco, Calif. Published October 18, 1924.

28,671.—*Title:* CARMENCITA. For Oranges. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Published December 27, 1924.

28,672.—*Title:* PORTOLA. For Oranges. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Published December 27, 1924.

28,673.—*Title:* COLOMBO. For Oranges. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Published December 27, 1924.

28,674.—*Title:* BONDED. For Oranges. PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Published December 27, 1924.

28,675.—*Title:* DAIRY FARM BRAND. For Extra Selected Fresh Eggs. H. C. PRANGE COMPANY, Sheboygan, Wis. Published February 17, 1925.

28,676.—*Title:* PACKED FOR SAFEWAY STORES INCORPORATED. For Ripe Olives. SAFEWAY STORES INCORPORATED, Los Angeles, Calif. Published March 9, 1925.

28,677.—*Title:* PACKED FOR SAFEWAY STORES INCORPORATED. For Tunny. SAFEWAY STORES INCORPORATED, Los Angeles, Calif. Published March 9, 1925.

28,678.—*Title:* DUTCH TOAST. For Bread. SAN JOAQUIN BAKING CO., Fresno, Calif. Published January 29, 1925.

28,679.—*Title:* ABIGAIL BLOOD TONIC. For Liquid Preparation for Internal Use in the Treatment of Diseases. LOUIS A. SKIPITAREFF, Salt Lake City, Utah. Published March 2, 1925.

28,680.—*Title:* SEAGULL. For Powdered Sugar. ARTHUR M. Q. SYME, doing business as The S & E Powdered Sugar Co., Chicago, Ill. Published June 17, 1924.

28,681.—*Title:* TALBOT'S. For Ant Powder Insecticide. TALBOT MANUFACTURING CO., Los Angeles, Calif. Published December 29, 1924.

28,682.—*Title:* HAND DECORATED CANDLES. For Hand-Decorated Art Candles. VIOLETTE M. VOLS, Denver, Colo. Published February 25, 1925.

28,683.—*Title:* LA FLOR DE JOSÉ LLANZA. For Cigars. ROBERT F. WALSH, Chicago, Ill. Published March 3, 1923.

28,684.—*Title:* CHER-E-COKE. For Chocolate Bar with a Cherry in the Center. W. A. WOODROW, Los Angeles, Calif. Published December 17, 1924.

PRINTS

REGISTERED MAY 12, 1925.

7,920.—*Title:* A SIX MONTHS SCHEDULE OF SPECIALS FOR BRICK AND BULK ICE CREAM. For Ice Cream. BLANKE-BAER EXTRACT & PRESERVING COMPANY, St. Louis, Mo. Published January 8, 1925.

7,921.—*Title:* WHEELS OF STEEL. For Vehicle Wheels. BUDD WHEEL COMPANY, Philadelphia, Pa. Published January 2, 1925.

7,922.—*Title:* ALL-STEEL WHEEL. For Vehicle Wheels. BUDD WHEEL COMPANY, Philadelphia, Pa. Published January 2, 1925.

7,923.—*Title:* A MAN CAN WISELY EAT ONLY WHAT HE CAN EASILY DIGEST. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 5, 1925.

7,924.—*Title:* THE BEST SPRING TONIC IS—PROPER FOOD. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 5, 1925.

7,925.—*Title:* FOR 28 YEARS ON THE DIET LISTS OF BABY SPECIALISTS—CREAM OF WHEAT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published March 21, 1925.

7,926.—*Title:* HUBING'S SODA MINT TABLETS, HUBING PHARMACAL CO., PHILADELPHIA, PA. For Soda Mint. THE HUBING PHARMACAL CO., Fox Chase, Philadelphia, Pa. Published December 3, 1924.

7,927.—*Title:* SELLING INFORMATION AND RETAIL PRICES ON KRANK'S REQUISITES FOR THE NAILS. For Preparations for the Nails. ALFRED J. KRANK, St. Paul, Minn. Published March 1, 1924.

7,928.—*Title:* CHAS. A. STEVENS & BROS. CINDERELLA'S SLIPPER HAD SOMETHING TO DO WITH IT! For Women's Footwear. CHAS. A. STEVENS & BROS., Chicago, Ill. Published February 16, 1925.

7,929.—*Title:* SHOT-SHELLS U S CARTRIDGES. For Cartridges. United States Cartridge Company, Lowell, Mass.; New York, N. Y.; Maurer, N. J.; and Selby, Calif. Published December 11, 1924.

7,930.—*Title:* IF IT'S NEW—IT'S HERE! For Textile Fabrics in the Piece. WALTHER MANUFACTURING CO., Philadelphia, Pa. Published February 26, 1925.

7,931.—*Title:* WHITE SEWING MACHINES. For Sewing Machines. WHITE SEWING MACHINE COMPANY, Cleveland, Ohio. Published February 10, 1925.

REISSUES

MAY 12, 1925.

16,067. MOTOR-DRIVEN VEHICLE. CHARLES F. FELTS, St. Louis, Mo., assignor, by direct and mesne assignments, to Stonay L. Langdale, trustee, St. Louis, Mo. Filed Sept. 11, 1920. Serial No. 409,708. Original No. 1,193,182, dated Aug 1, 1916, Serial No. 810,873, filed Jan. 5, 1914. 8 Claims. (Cl. 180—70.)



5. In a motor vehicle having an engine and traction wheels, driving connections from said engine to said wheels, comprising, a shiftable clutch leading from said engine, differential gearing leading to said wheels, transmission gearing intermediate said clutch and said differential gearing, and a clutch device between said clutch and said transmission gearing adapted to effect driving of said wheels by said engine but preclude driving of said engine by said wheels.

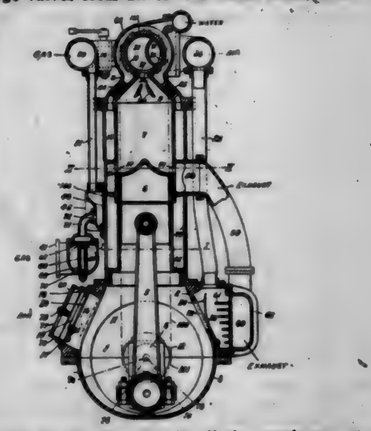
16,068. ARCH SUPPORT. WILLIAM N. SECHLER, Fort Scott, Kans. Filed Apr. 8, 1922. Serial No. 550,908. Original No. 1,391,584, dated Sept. 20, 1921, Serial No. 442,770, filed Feb. 5, 1921. 12 Claims. (Cl. 36—76.)



1. An arch support formed of separate sections and spaced tongues extending from the adjacent edges of the sections, the tongues of one section fitting within the spaces between the tongues of the other section and overlying said adjacent edges, to connect the sections in a manner to permit of relative pivotal and longitudinal movement.

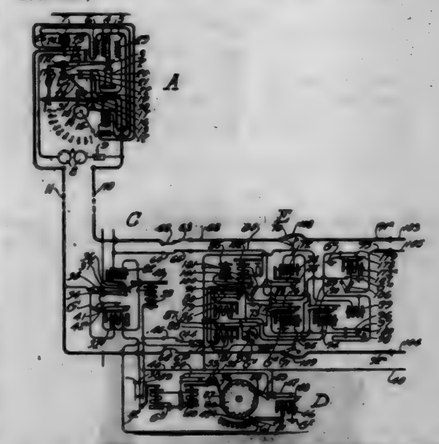
16,069. INTERNAL-COMBUSTION ENGINE. WALTER W. MACFARREN, Pittsburgh, Pa. Filed Mar. 30, 1923. Serial No. 628,869. Original No. 1,325,305, dated Dec. 16, 1919, Serial No. 803,185, filed Nov. 26, 1913. 25 Claims. (Cl. 123—59.)

1. In an internal combustion engine, a plurality of cylinders, a piston and an independent closed crank case for each cylinder, separate air inlet and discharge valves for each of said crank cases, a manifold connecting the discharge valves from all of said crank cases, means



for distributing the air pumped in all the crank cases to the several cylinders, and separate means for supplying fuel to the cylinders.

16,070. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. OMER KIRBY, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 30, 1920. Serial No. 400,257. Original No. 1,172,366, dated Feb. 22, 1916, Serial No. 503,100, filed June 19, 1909. 50 Claims. (Cl. 179—18.)



11. In a telephone system, means controllable by the calling subscriber for automatically extending connection from the calling line to the called line, said means being controlled exclusively over the two sides of the calling line in series to select the called line, and means for releasing the connection controllable only by the subscriber who hangs up his receiver last.

DESIGNS

MAY 12, 1925.

67,254. BOOT OR SIMILAR ARTICLE. DONALD B. ABBOTT, Yarmouth, Me. Filed May 1, 1924. Serial No. 9,460. Term of patent 3½ years.



The ornamental design for a boot or similar article as shown.

67,255. GOLF TEE. ANDREW P. ALVORD, New York, N. Y. Filed Dec. 19, 1924. Serial No. 11,751. Term of patent 7 years.





The ornamental design for a golf tee as shown.

67,256. HAND BAG OR THE LIKE. LEONARD C. ASCH, New York, N. Y. Filed Feb. 9, 1925. Serial No. 12,313. Term of patent 3½ years.



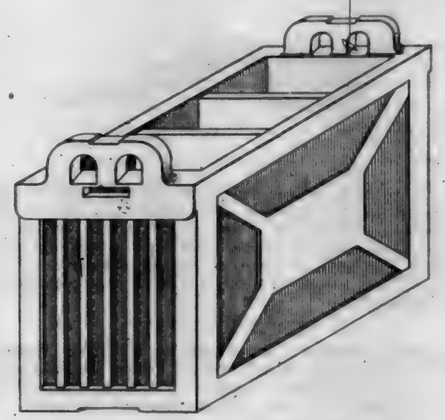
The ornamental design for a hand-bag or the like substantially as shown.

67,257. COMBINED TELLURION AND CLOCK CASE. MICHAEL BELLEGAY, Chicago, Ill. Filed Jan. 27, 1922. Serial No. 405. Term of patent 3½ years.



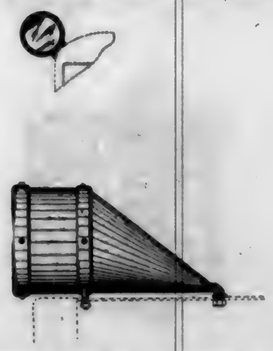
The ornamental design for a combined tellurion and clock case, as shown.

67,258. BATTERY CONTAINER. MARINO BELLO, Highland Park, Ill. Filed Mar. 11, 1925. Serial No. 12,680. Term of patent 7 years.



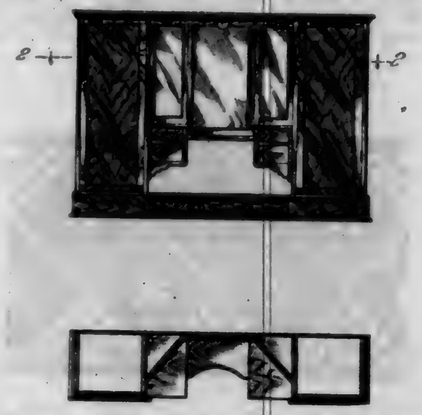
The ornamental design for a battery container, as shown.

67,259. HEADLIGHT. OLAF BERGSON, Red Wing, Minn. Filed Apr. 21, 1924. Serial No. 9,340. Term of patent 14 years.



The ornamental design for a headlight, as shown.

67,260. COMBINATION DRESSING TABLE AND WARDROBE. GUY H. BLACKSTONE, Zanesville, and ROBERT E. SILVEY, Columbus, Ohio. Filed Oct. 27, 1924. Serial No. 11,197. Term of patent 3½ years.



The ornamental design for a combination dressing table and wardrobe, as shown.

67,261. LAMP. RICHARD W. BOCK, River Forest, Ill. Filed Feb. 2, 1925. Serial No. 12,238. Term of patent 3½ years.



The ornamental design for a lamp, as shown.

67,262. PLATE OR SIMILAR ARTICLE. LEWIS H. BOWN, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed June 27, 1924. Serial No. 9,982. Term of patent 3½ years.



The ornamental design for a plate or similar article, as shown.

67,263. CRUMB SCRAPER. HAROLD L. BRIGGS, Canastota, N. Y. Filed Feb. 18, 1925. Serial No. 12,407. Term of patent 3½ years.



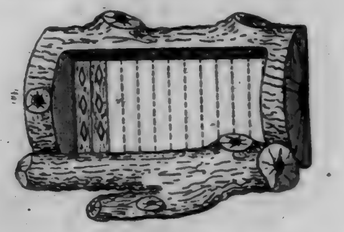
The ornamental design for a crumb scraper, as shown.

67,264. GLASS CONDIMENT JAR. RAYMOND V. BROMLEY, Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Feb. 16, 1924. Serial No. 8,652. Term of patent 14 years.



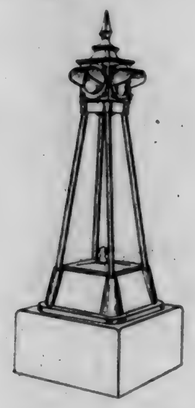
The ornamental design for a glass condiment jar, as shown.

67,265. GAS HEATER. EUGENE S. BROWN, Oak Station, Pa. Filed Mar. 30, 1923. Serial No. 5,652. Term of patent 14 years.



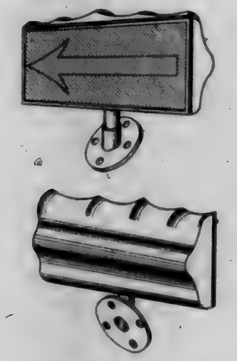
The ornamental design for a gas heater, as shown.

67,266. STREET TRAFFIC SIGNAL. FRANK BUCHANAN, Syracuse, N. Y. Filed Mar. 12, 1925. Serial No. 12,699. Term of patent 14 years.



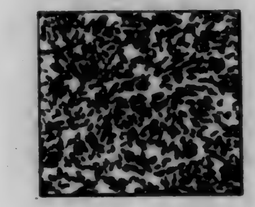
The ornamental design for a street traffic signal, substantially as shown.

67,267. SIGNAL LIGHT. WILLIAM EDWARD BUSCH, JR., Akron, Ohio. Filed Nov. 13, 1924. Serial No. 11,866. Term of patent 14 years.



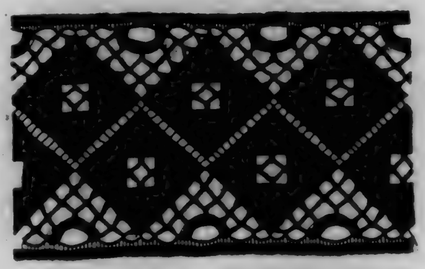
The ornamental design for a signal light, as shown.

67,268. PAPER. ALLAN M. CHALMERS, Holyoke, Mass., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1925. Serial No. 12,020. Term of patent 14 years.



The ornamental design for paper as shown.

67,269. LACE. MARC H. DAUDY, Philadelphia, Pa., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 22, 1924. Serial No. 10,218. Term of patent 3½ years.



The ornamental design for lace, substantially as shown.

67,270. LACE. MARC H. DAUDY, Philadelphia, Pa., assignor to North American Lace Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed July 23, 1924. Serial No. 10,241. Term of patent 3½ years.



The ornamental design for lace, substantially as shown and described.

67,271. DRESS. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 10, 1925. Serial No. 12,328. Term of patent 3½ years.



The ornamental design for a dress substantially as shown and described.

67,272. SHOE. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 10, 1925. Serial No. 12,331. Term of patent 3½ years.



The ornamental design for a shoe substantially as shown and described.

67,273. COAT. TAUBE DAVIS, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 16, 1925. Serial No. 12,391. Term of patent 3½ years.



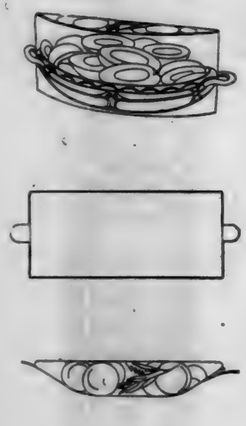
The ornamental design for a coat, substantially as shown.

67,274. COMBINED CLOCK CASE AND STAND. PETER DEMETROPOULOS, Chicago, Ill. Filed Feb. 9, 1924. Serial No. 8,580. Term of patent 3½ years.



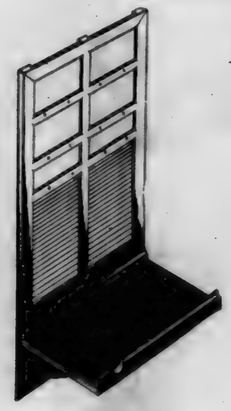
The ornamental design for a combined clock case and stand or a similar device, as shown.

67,275. CARTON. JOSEPH BLOWER DRING, Boston, England. Filed Oct. 29, 1923. Serial No. 7,612. Term of patent 14 years.



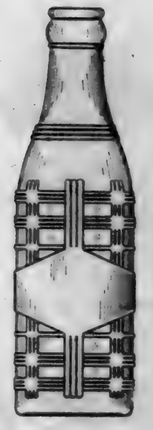
The ornamental design for a carton as shown.

67,276. WALL TABLE. CHARLES GERHARDS, Chicago, Ill. Filed Mar. 14, 1924. Serial No. 8,929. Term of patent 7 years.



The ornamental design for a wall table, as shown.

67,277. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,508. Term of patent 14 years.



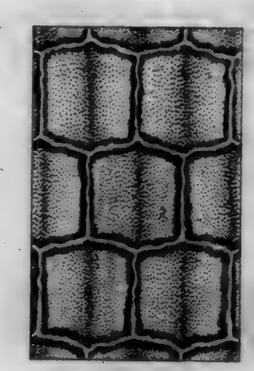
The ornamental design for a bottle, substantially as shown.

67,278. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,511. Term of patent 14 years.



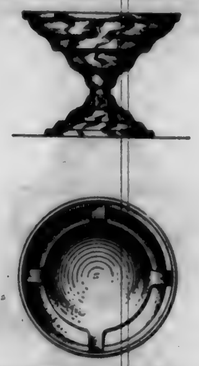
The ornamental design for a bottle, substantially as shown.

67,279. PILE FABRIC. JAMES GOWANS, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 25, 1925. Serial No. 12,483. Term of patent 7 years.



The ornamental design for a pile fabric, as shown.

67,280. LOUD SPEAKER. STEPHEN HAJDUKOVITCH, Richmond Hill, N. Y. Filed Mar. 16, 1925. Serial No. 12,735. Term of patent 3½ years.



The ornamental design for a loud speaker, as shown.

67,281. PLATE OR SIMILAR ARTICLE. SAMUEL HASLAM, Attleboro, Mass. Filed Dec. 23, 1924. Serial No. 11,775. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

67,282. HEADDRESS. HENRY B. HEYMAN, New York, N. Y., assignor to The Simone Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 11, 1925. Serial No. 12,679. Term of patent 7 years.



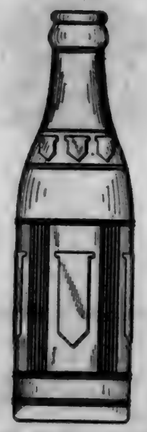
The ornamental design for a headdress, as shown.

67,283. WALL PAPER. ROBERT F. HOBBS, Delanco, N. J., assignor to Robert F. Hobbs, Inc., a Corporation of New Jersey. Filed Feb. 2, 1925. Serial No. 12,235. Term of patent 3½ years.



The ornamental design for wall paper as shown.

67,284. BOTTLE. SIGFRID W. JOHNSON, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,517. Term of patent 14 years.



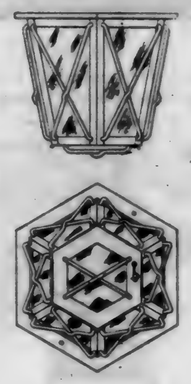
The ornamental design for a bottle, substantially as shown.

67,285. BOTTLE. SIGFRID W. JOHNSON, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,520. Term of patent 14 years.



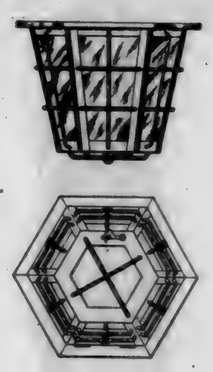
The ornamental design for a bottle, substantially as shown.

67,286. CEILING LAMP. GEORGE J. KLEIN, Cleveland, Ohio. Filed July 12, 1924. Serial No. 10,123. Term of patent 3½ years.



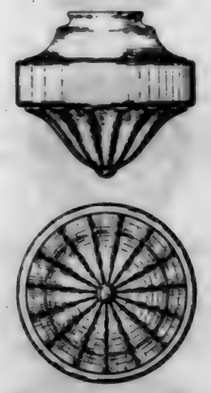
The ornamental design for a ceiling lamp, as shown.

67,287. CEILING LAMP. GEORGE J. KLEIN, Cleveland, Ohio. Filed July 12, 1924. Serial No. 10,126. Term of patent 3½ years.



The ornamental design for a ceiling lamp, as shown.

67,288. ILLUMINATING GLOBE. NICHOLAS KOPP, Pittsburgh, Pa., assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed Dec. 26, 1924. Serial No. 11,803. Term of patent 14 years.



The ornamental design for an illuminating globe, as shown.

67,289. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio, assignor to McBee-Ladewich Company, Mansfield, Ohio, a Partnership. Filed Mar. 30, 1925. Serial No. 12,954. Term of patent 7 years.



The ornamental design for a monument as shown.

67,290. DOLL. ESTHER L. LINDER, Washington, D. C. Filed Aug. 25, 1924. Serial No. 10,548. Term of patent 3½ years.



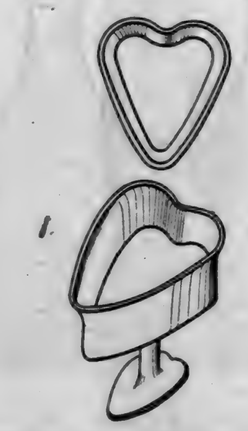
The ornamental design for a doll, as shown.

67,291. PILASTER. FRANK E. LITCHFIELD, Montgomery, Ala., assignor to The Georgia Show Case Company, Montgomery, Ala., a Corporation of Georgia. Filed May 14, 1923. Serial No. 6,152. Term of patent 14 years.



The ornamental design for a pilaster, substantially as shown.

67,292. GLASS SERVING DISH. JOHN MANOS, Toronto, Ohio. Filed Mar. 12, 1925. Serial No. 12,606. Term of patent 14 years.



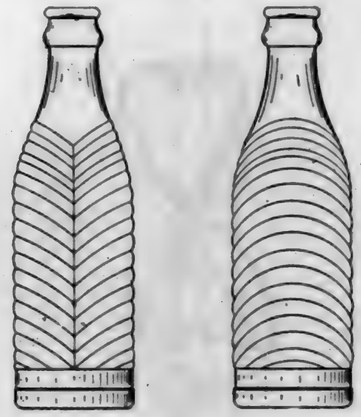
The ornamental design for a glass serving dish, as shown.

67,293. CONDUCTOR PIPE STRAP END. PARKER H. MCKEE, Woodbury, N. J., assignor to Berger Bros. Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Feb. 9, 1925. Serial No. 12,312. Term of patent 14 years.



The ornamental design for a conductor pipe strap end, as shown.

67,294. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind., a Corporation of Indiana. Filed Dec. 1, 1924. Serial No. 11,529. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,295. GARTER. CHARLES B. NAMIOT, New York, N. Y. Filed Mar. 21, 1925. Serial No. 12,813. Term of patent 3½ years.



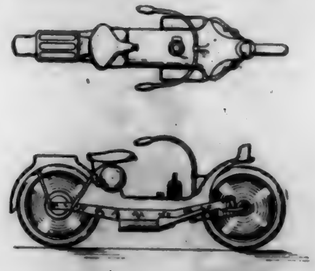
The ornamental design for a garter as shown.

67,296. SALT CELLAR OR SIMILAR ARTICLE. HARRY NEGRAUR, New York, N. Y., assignor to E. & J. Bass, Inc., a Corporation of New York. Filed Jan. 21, 1924. Serial No. 8,359. Term of patent 3½ years.



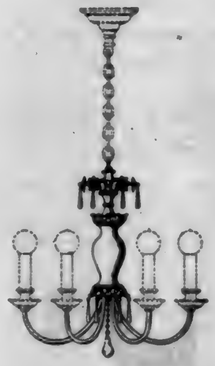
The ornamental design for a salt cellar or similar article, substantially as shown.

67,297. MOTOR CYCLE. CARL A. NEBACHER, Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation, a Corporation of New York. Filed Mar. 26, 1920. Serial No. 369,109. Term of patent 14 years.



The ornamental design for a motor-cycle as shown.

67,298. CHANDELIER. JOSEPH NOVIX, New York, N. Y., assignor to The Centre Lighting Fixture Mfg. Co., a Partnership composed of the said Novin and Samuel Ribak, New York, N. Y. Filed Feb. 4, 1925. Serial No. 12,260. Term of patent 3½ years.



The ornamental design for a chandelier substantially as shown.

67,299. CHARM. IRVING ORNSTEIN and JOSEPH MEVORAH, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,989. Term of patent 7 years.



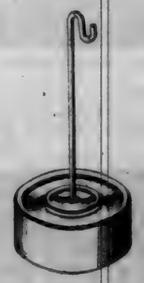
The ornamental design for a charm, as shown.

67,300. RING. IRVING ORNSTEIN and JOSEPH MEVORAH, New York, N. Y. Filed Jan. 10, 1925. Serial No. 11,990. Term of patent 7 years.



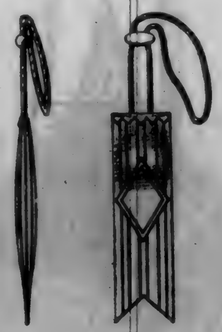
The ornamental design for a ring, as shown.

67,301. WATCH HOLDER. FRANK M. PEARSON, Manchester-in-the-Mountains, Vt. Filed Oct. 9, 1923. Serial No. 7,435. Term of patent 14 years.



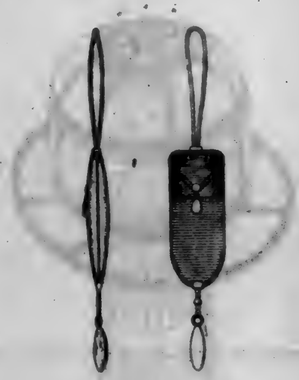
The ornamental design for a watch holder as shown.

67,302. BAG. FLORENCE LOUISE PENGLASE, New York, N. Y. Filed Nov. 14, 1924. Serial No. 11,870. Term of patent 3½ years.



The ornamental design for a bag as shown.

67,303. BAG. FLORENCE LOUISE PENGLASE, New York, N. Y. Filed Nov. 14, 1924. Serial No. 11,871. Term of patent 3½ years.



The ornamental design for a bag as shown.

67,304. LACE. GEORGE RADFORD, Oakland Beach, R. I., assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Jan. 12, 1925. Serial No. 12,009. Term of patent 14 years.



The ornamental design for lace as shown.

67,305. LADY'S HAT. GEORGE RAWAK, New York, N. Y. Filed Feb. 28, 1925. Serial No. 12,523. Term of patent 7 years.



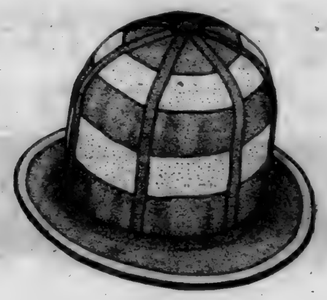
The ornamental design for a lady's hat as shown.

67,306. LADY'S HAT. GEORGE RAWAK, New York, N. Y. Filed Mar. 5, 1925. Serial No. 12,591. Term of patent 7 years.



The ornamental design for a lady's hat as shown.

67,307. LADY'S HAT. GEORGE RAWAK, New York, N. Y. Filed Mar. 7, 1925. Serial No. 12,631. Term of patent 7 years.



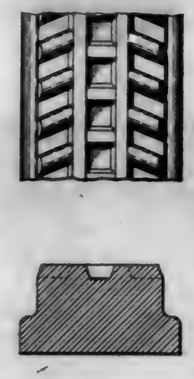
The ornamental design for a lady's hat as shown.

67,308. LADY'S HAT. GEORGE RAWAK, New York, N. Y. Filed Mar. 9, 1925. Serial No. 12,663. Term of patent 7 years.



The ornamental design for a lady's hat as shown.

67,309. TIRE TREAD. JOHN A. SCHEID, Roxborough, Pa. Filed June 26, 1922. Serial No. 2,880. Term of patent 14 years.



The ornamental design for a tire tread as shown.

67,310. HAND BAG. JOSEPH M. SCHOERBEL, Slayton, Minn. Filed Mar. 19, 1924. Serial No. 8,989. Term of patent 3½ years.



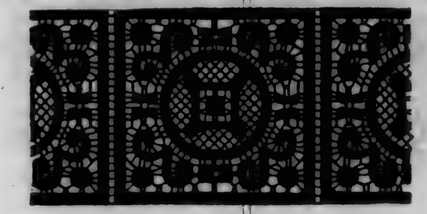
The ornamental design for a handbag, as shown.

67,311. BOTTLE. FREDERICK W. SCHWENCK, Cincinnati, Ohio. Filed Feb. 16, 1925. Serial No. 12,399. Term of patent 3½ years.



The ornamental design for a bottle, as shown.

67,312. LACE. HANS SEEL, Hopkinton, R. I., assignor to Richmond Lace Works, Alton, R. I., a Corporation of Maine. Filed Feb. 5, 1925. Serial No. 12,271. Term of patent 14 years.



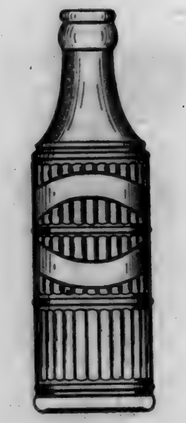
The ornamental design for lace as shown.

67,313. LACE. BERTHA C. SELIGMAN, Providence, R. I., assignor to Seekonk Lace Company, a Corporation of Rhode Island. Filed Mar. 17, 1925. Serial No. 12,750. Term of patent 3½ years.



The ornamental design for lace, as shown.

67,314. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,518. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,315. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,514. Term of patent 14 years.



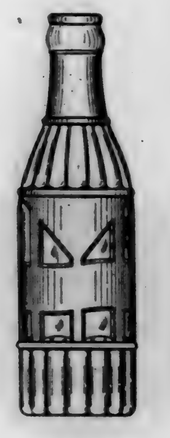
The ornamental design for a bottle, substantially as shown.

67,316. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 28, 1925. Serial No. 12,515. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,317. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 11,797. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,318. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 11,799. Term of patent 14 years.



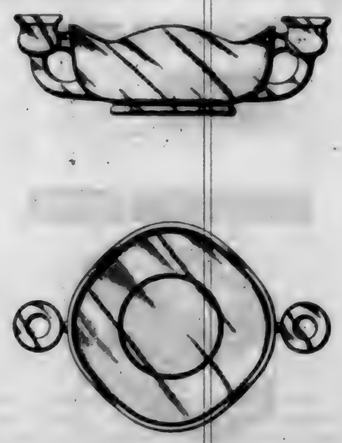
The ornamental design for a bottle, substantially as shown.

67,319. BOWL OR SIMILAR ARTICLE. HARRY WALLACE THOMAS, Indiana, Pa. Filed Mar. 21, 1924. Serial No. 9,016. Term of patent 7 years.



The ornamental design for a bowl or similar article, as shown.

67,320. BOWL OR SIMILAR ARTICLE. HARRY WALLACE THOMAS, Indiana, Pa. Filed Mar. 21, 1924. Serial No. 9,017. Term of patent 7 years.



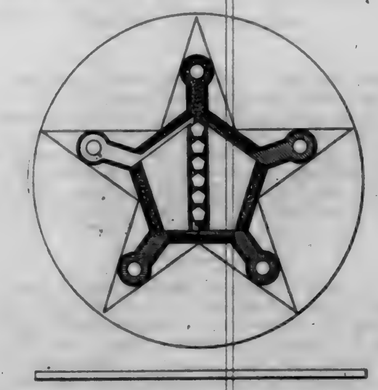
The ornamental design for a bowl or similar article, as shown.

67,321. BUMPER FOR VEHICLES. HERBERT W. TINKER, Milwaukee, Wis., assignor to Federal Pressed Steel Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 15, 1924. Serial No. 8,640. Term of patent 14 years.



The ornamental design for a bumper for vehicles, as shown.

67,322. BUTTON. SAMUEL P. WETHERILL, Jr., Philadelphia, Pa. Filed Oct. 26, 1922. Serial No. 4,108. Term of patent 7 years.



The ornamental design for a button as shown.

67,323. CANOPY. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Feb. 27, 1924. Serial No. 8,755. Term of patent 3½ years.



The ornamental design for a canopy as shown.

67,324. STAND FOR BRIDGE LAMPS. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Mar. 5, 1924. Serial No. 8,883. Term of patent 3½ years.



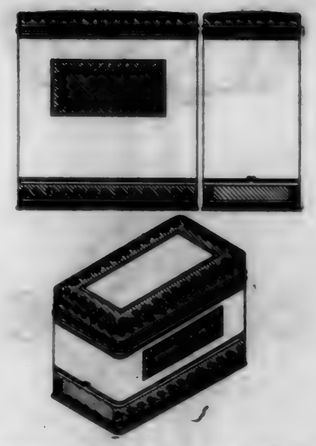
The ornamental design for a stand for bridge lamps as shown.

67,325. TABLE LAMP. HERMAN H. WOLTER, Meriden, Conn., assignor to The Miller Company, New York, N. Y., a Corporation of Connecticut. Filed Mar. 5, 1924. Serial No. 8,834. Term of patent 3½ years.



The ornamental design for a table lamp, as shown.

67,326. BOX OR SIMILAR ARTICLE. WESTON GREEN, Dayton, Ohio, assignor to The Green & Green Company, Dayton, Ohio, a Corporation of Ohio. Filed Mar. 28, 1925. Serial No. 12,856. Term of patent 14 years.

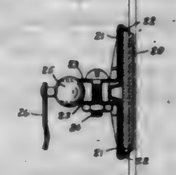


The ornamental design for a box or similar article, as shown.

PATENTS

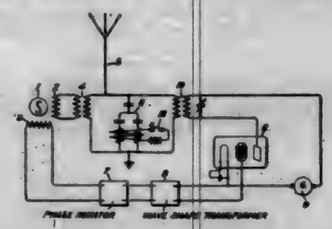
GRANTED MAY 12, 1925.

1,537,054. PROTECTING PLATE FOR MIRROR BACKS. NEIL T. ALBRIGHT, Kokomo, Ind. Filed Mar. 5, 1923. Serial No. 622,917. 4 Claims. (Cl. 45—97.)



4. The combination with a mirror having a treated back for covering the silver thereon, of means for protecting said back, comprising a protecting plate having the surrounding edge adapted to engage the back of the mirror, said plate being dished toward the center so as to be spaced therefrom, a rib formed in said plate, a ridge extending from the center outwardly, and means for forcing the body portion of the plate toward the mirror for forcibly holding only the outer edge of said plate in contact therewith.

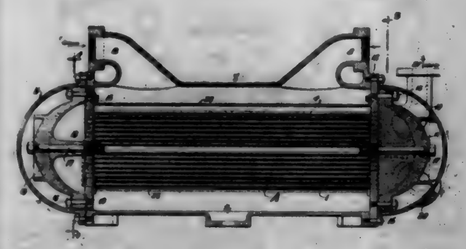
1,537,055. SYSTEM OF DISTRIBUTION. ERNST F. W. ALEXANDERSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 28, 1921. Serial No. 511,128. 10 Claims. (Cl. 178—2.)



1. The combination in a system of electrical distribution of an alternating current dynamo electric machine, a distribution circuit, an electron discharge device having input and output circuits, means for supplying current from said dynamo electric machine to the input circuit of said device, and means for supplying to said distribution circuit currents of like phase and frequency derived from said dynamo electric machine and from the output circuit of said device.

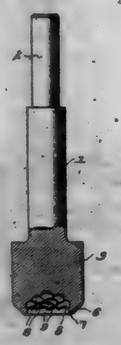
1,537,056. FEED-WATER HEATER. EARL A. AVERILL, Mount Vernon, N. Y., assignor to Locomotive Feed Water Heater Company, a Corporation of Delaware. Filed Nov. 4, 1920. Serial No. 421,642. 3 Claims. (Cl. 257—236.)

1. In a feed water heater, the combination of a heater casing, and a heat transfer member removable as a unit and comprising a pair of tube plates and a plurality of tubes secured in said plates, means for detachably securing the said member to the casing, and guard means



extending longitudinally of and beneath the tubes for protecting the same upon insertion and removal of said member from the casing.

1,537,057. RIVET-SCALING TOOL. GEORGE ANNESLEY, Philadelphia, Pa. Filed July 26, 1924. Serial No. 728,517. 3 Claims. (Cl. 29—81.)

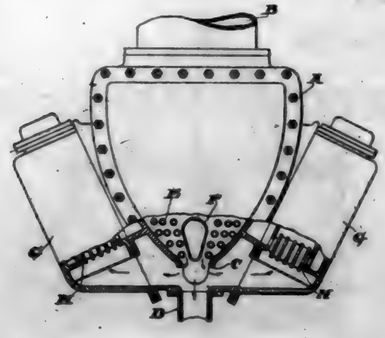


8. An implement for the purpose described comprising a stem, adapted to be engaged with the reciprocating element of a riveting tool, and a head provided in its end face with a recess adapted to receive the head of a rivet, and having a peripheral cutting edge, the wall of said recess being provided with a series of cells or depressions, each surrounded by a cutting edge, extending throughout the area within said peripheral edge.

1,537,058. CONDENSER UNIT. PAUL A. BANCEL, Nutley, and JOHN F. KIRGAN, Phillipsburg, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 10, 1923. Serial No. 631,096. 1 Claim. (Cl. 257—43.)

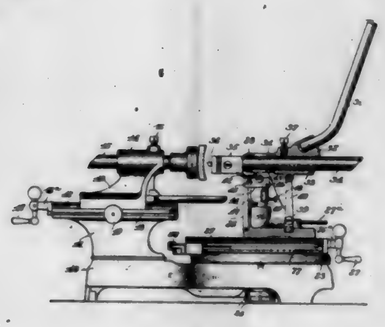
A surface condenser comprising a casing larger at the top and smaller at the bottom, an inlet at the top for steam and gases and a discharge opening at the bottom, cooling elements in the casing in the form of rows of

tubes, and an uncooled dummy in the form of a tubular member extending longitudinally of the casing and bodily located wholly within the confines of the extreme lower



portion of the casing in proximity to the discharge opening for contracting the outlet portion of the casing and increasing the velocity of the steam and gases around the lower condenser tubes.

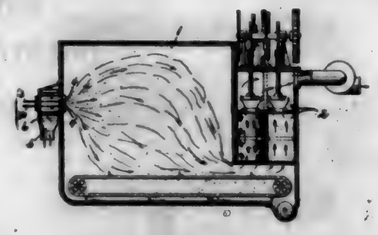
1,537,059. APPARATUS FOR FORMING LENS-GRINDING TOOLS. CARL L. BAUSCH, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 18, 1922. Serial No. 595,242. 12 Claims. (Cl. 90—24.)



1. In a machine of the class described, the combination of a frame, supporting means thereon, a pair of cooperating holding members carried by said supporting means, one of said members having a swinging movement on said supporting means about each of a pair of axes, mechanism actuated by movement of said latter member about one axis for automatically moving the same about the other of said axes, and a tool carried by one of said holding members for cooperation with a work piece carried by the other.

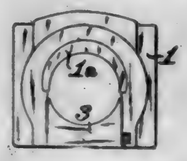
1,537,060. METHOD OF COMBINING AND DESICCATING SUBSTANCES. ARTHUR CARL BEARDSLEE, Arcade, N. Y., assignor to Merrell-Soule Company, Syracuse, N. Y., a Corporation of New York. Filed Feb. 24, 1922. Serial No. 538,888. 6 Claims. (Cl. 99—5.)

1. The process consisting in atomizing two liquid substances in such a manner as to forcibly intermingle and combine the substances and simultaneously subjecting the intermingled combining substances to the action of



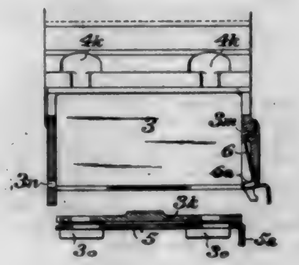
a current of moisture-absorbing air to reduce the combined substance to a powder.

1,537,061. LOCOMOTIVE DRIVING BOX. JAMES G. BLUNT, Schenectady, N. Y. Filed Aug. 11, 1923. Serial No. 656,957. 3 Claims. (Cl. 308—83.)



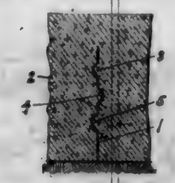
1. The combination of a locomotive driving box, having a longitudinal groove, adjacent to its bottom; a crown brass in said driving box; a lubricant cellar, fitted in the driving box, below the crown brass, and having a longitudinal groove, facing the groove of the driving box; wedging mechanism, located in said grooves; and means for adjusting said wedging mechanism.

1,537,062. LOCOMOTIVE DRIVING BOX. JAMES G. BLUNT, Schenectady, N. Y. Filed May 14, 1924. Serial No. 713,212. 2 Claims. (Cl. 308—83.)



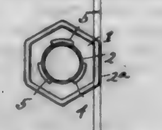
1. The combination of a locomotive driving box; a bottomless lubricant cellar, connected thereto; a bottom plate, insertible from below in said cellar; a latch, adapted to engage the body of said cellar and support one end of the bottom plate therein; and a spring, movable into and out of position to support the opposite end of the plate, and maintain the latch in engagement with the cellar.

1,537,063. ROADWAY JOINT. BERNARD BRIODY, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio, a Corporation of Michigan. Filed July 21, 1919. Serial No. 312,164. 3 Claims. (Cl. 94—18.)



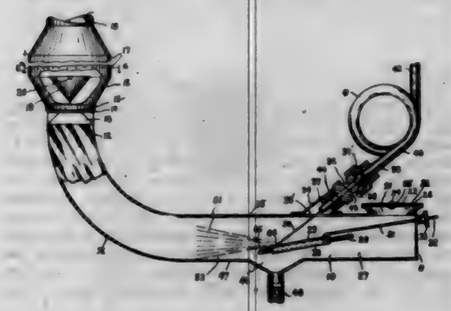
2. A divider for use in concrete and similar roadways consisting of a strip of metal having a straight portion at its top edge and being corrugated intermediate its top and bottom edges and having both of its sides in contact with the concrete.

1,537,064. NUT. ADELBERT E. BRONSON, Cleveland, Ohio. Filed June 4, 1923. Serial No. 643,218. 3 Claims. (Cl. 85—32.)



1. A nut comprising a base portion having an opening formed therein, said opening being provided with recesses at the periphery thereof, and a cylindrical tubular member having screw threads formed on a surface thereof, said tubular member being provided with extensions which are of form and size complementary to the recesses formed in the base member and said extensions being adapted to project through the opening and to occupy said recesses, said extensions having portions thereof pushed outwardly to firmly engage with portions of the base thereby to secure the two parts together as a unitary structure.

1,537,065. HUMIDIFIER. ADELBERT E. BURDIN, Omaha, Nebr., assignor to Eva D. Burdin, Omaha, Nebr. Filed Oct. 23, 1922. Serial No. 596,336. 2 Claims. (Cl. 261—116.)



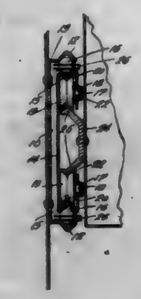
1. A humidifier comprising a mixing chamber having an air inlet and an air outlet and also having a water drain, a nozzle in communication with a source of water supply, said nozzle projecting angularly into said chamber, means to regulate the amount of air entering said inlet, and an angularly disposed adjustable target plate in said chamber in the path of the water jet issuing from said nozzle.

1,537,066. BATTERY-TERMINAL CONNECTION. CHARLES E. CALLENDAR and JOHN V. GITTINGER, Tiffin, Ohio. Filed Jan. 11, 1924. Serial No. 685,675. 1 Claim. (Cl. 173—259.)



A battery terminal connection comprising a collar provided at one side with a lateral extension having a threaded bore disposed parallel to and communicating with the opening in the collar and a screw threaded in said bore and engageable with the terminal to bind the collar thereon, said screw having a flattened side portion disposed in alignment with the wall of the opening in the collar in engaging the latter with the terminal and a head disposed over said lateral extension.

1,537,067. DRAWER SUSPENSION. EARL J. CARD, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y. Filed Sept. 19, 1921. Serial No. 501,677. 7 Claims. (Cl. 45—77.)

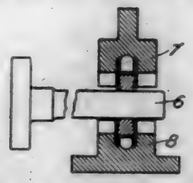


1. In a suspension for drawers and the like, the combination of a channel member adapted to be attached to a drawer case and having upper and lower facing grooves, a floating member slidable within said channel member and having outwardly facing grooves cooperating with the grooves of said channel member to provide ball raceways, balls in said raceways, an inner supporting member adapted to be attached to a drawer or the like, rollers between said floating member and said inner supporting member, said rollers having peripheral grooves, and inwardly facing tracks on said floating member fitting into the peripheral grooves of said rollers.

1,537,068. RING AND METHOD OF MAKING SAME. FREDERICK A. CROSELMIRE, Newark, N. J., assignor, by mesne assignments, to R & H Platinum Works, Inc., New York, N. Y., a Corporation of New Jersey. Filed Mar. 23, 1921. Serial No. 454,709. 8 Claims. (Cl. 29—160.6.)

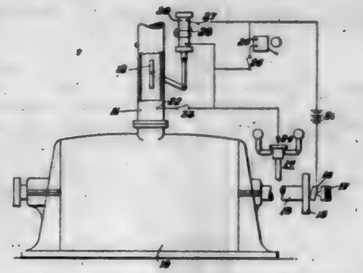
1. A seamless ring comprising a band of one metal and a much thinner peripheral band of a dissimilar metal molecularly united, pressed into the first-named band and of substantially uniform thickness, the top and bottom faces in the plane of the ring being of the first mentioned metal except along their peripheries.

2. The process of shaping rings, which consists in bevelling the inner edges of the ring sufficiently to allow the flow of said ring under pressure, mounting the ring



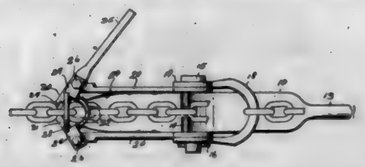
upon a mandrel, and forcing the ring into dies by pressure exerted in the plane of the ring while the same is on said mandrel.

1,537,069. AUTOSTOP MECHANISM. DAVID C. DAVIS, Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 29, 1921. Serial No. 496,546. 5 Claims. (Cl. 192—129.)



1. The combination with a bearing structure embodying an oil film, of an electric circuit including a translating device, and means depending upon the insulating properties of said film for modifying said circuit.

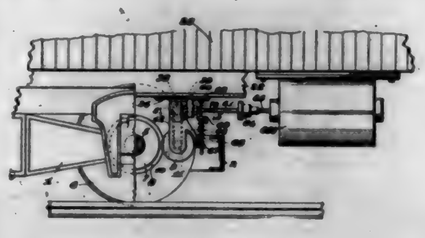
1,537,070. CHAIN TIGHTENER OR STUMP PULLER. HENRY M. DIXON, Westpoint, Tenn. Filed July 31, 1924. Serial No. 729,333. 5 Claims. (Cl. 254—74.)



1. A chain tightener of the character described comprising a lever having a claw at one end, a pivot pin passing through the lever adjacent the claw, a shackle connected to said pivot pin, arms pivoted upon the pivot pin and disposed on each side of the lever and extending forward therefrom, the claw of said lever extending down between the arms, and a chain clutch mounted upon the extremities of the arms.

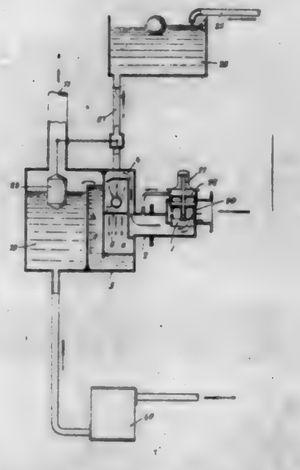
1,537,071. MECHANICAL DRIVE FOR AXLE GENERATORS. LAWRENCE M. FARLEY, Washington, D. C. Filed Dec. 23, 1922. Serial No. 608,547. 12 Claims. (Cl. 105—110.)

1. In a drive for electric generators carried on cars, the combination of curved means rotating with the car axle; curved means driven by said first named means; oscillating means comprising a pair of lug members supported from the car body for supporting said driven means; rotating means comprising a shaft disposed in the axis of oscillation of said third named means driven from said second named means and movable with the



car body; generator operating means comprising a shaft and connections driven by said fourth named means; and means to support said last named means from the car body.

1,537,072. FEED-WATER HEATER. SÉBASTIEN OTTO ALFRED FIEDLER, Paris, France, assignor to l'Auxiliaire des Chemins de Fer et de l'Industrie, Paris, France. Filed Nov. 22, 1923. Serial No. 676,219. 3 Claims. (Cl. 261—35.)
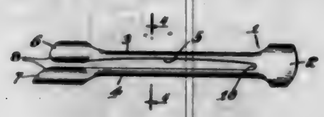


1. A feed water heater with steam in contact comprising a plurality of chambers successively connected to each other and through which the liquid is caused to flow, a number of said chambers being in communication with the atmosphere, and a regulator for admission of the heating steam into one mixing chamber preceding the first chamber in communication with the atmosphere, said regulator being adapted to maintain in said mixing chamber a constant steam pressure corresponding to the height of the column of hot liquid within said first chamber in communication with the atmosphere.

1,537,073. TIE SPOOL. HERBERT E. FISK, New York, N. Y. Filed Sept. 11, 1924. Serial No. 737,179. 1 Claim. (Cl. 223—19.)

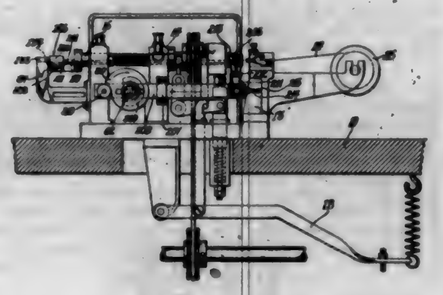
A holder for scarfs and the like comprising a bifurcated member having substantially parallel blades presenting toward each other broad surfaces, one of said blades being arched in the direction of its length, and adapted

to receive therebetween a portion of a scarf or similar article, the remainder of which is wound peripherally about said blades in such a manner as to place the same



under tension, and in combination therewith means to maintain said tension and to prevent slippage of the portions of said article upon each other under the expansive strain of the aforesaid blades.

1,537,074. APPARATUS FOR WHIPPING CORES WITH STRAND MATERIAL. BEN KING FORD, Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 4, 1924. Serial No. 735,807. 9 Claims. (Cl. 242—7.)



1. In a mechanism for whipping a core with a strand, a whipping finger provided with means for causing the strand to be whipped spirally around the core.

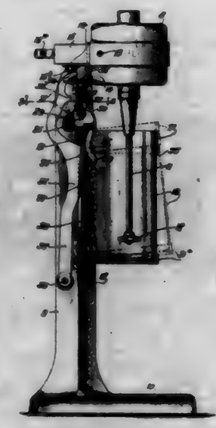
1,537,075. FAN BELT. ABRAHAM L. FREEDLANDER and WILLIAM G. GOODWIN, Dayton, Ohio, assignors to The Rubber Development Company, Dayton, Ohio, a Trust Estate. Filed Apr. 2, 1923. Serial No. 629,255. 7 Claims. (Cl. 74—63.)



1. In a belt, a plurality of units triangular in section, assembled with their side walls adjacent to one another, the point of one section being interposed between the basis of the sections on either side thereof.

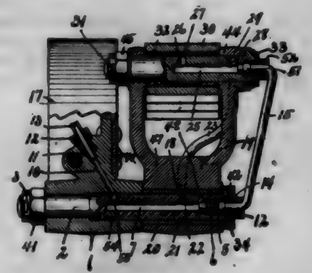
1,537,076. DRINK MIXER. RAYMOND B. GILCHRIST, Newark, N. J., assignor to The Gilchrist Company, Newark, N. J., a Corporation of New Jersey. Filed Mar. 8, 1922. Serial No. 541,909. 25 Claims. (Cl. 259—13.)

1. In a machine of the character described, the combination of a motor, an agitator driven thereby and supported from above with sufficient clearance to permit a receptacle with an open top to be placed into opera-



tive position around the agitator, and means to grip the upper portion of the receptacle to secure it in operative position.

1,537,077. MEANS FOR LUBRICATING TENSION SHACKLES OF AUTOMOBILES. FREDERICK H. GLEASON, Auburn, N. Y. Filed July 18, 1923. Serial No. 652,373. 6 Claims. (Cl. 267—54.)

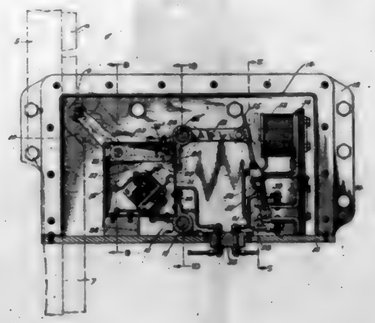


1. In a structure of the class described, a hanger bracket, a bolt having one end mounted in said hanger-bracket, a shackle mounted on said bolt, said bolt formed with a longitudinal bore, means for supplying lubricant to the longitudinal bore in said bolt, an upper shackle-bolt mounted in said shackle and having a longitudinal bore, a tube connecting the longitudinal bores in said bolts for carrying lubricant from the longitudinal bore in the lower bolt to the longitudinal bore in the upper bolt, and means of communication between the longitudinal bore in the upper bolt and the bearing surface of the lower bolt for supplying lubricant to the latter from the former.

1,537,078. ELEVATOR-CONTROLLING APPARATUS. HARRY B. GOLDMAN, Pittsburgh, Pa., assignor of one-half to Marshall Brothers Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,728. 9 Claims. (Cl. 187—29.)

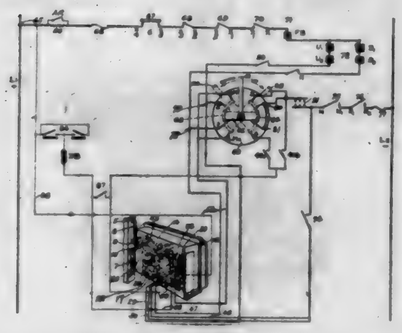
5. A leveling device for elevators comprising in combination an elevator hatchway, a pair of adjustable cams adjacent each floor along said hatchway, a pair of inde-

pendent switches carried by said elevator, means adapted to contact with said cams for closing said switches, a weight normally tending to hold said means in align-



ment with said cams, and additional means for withdrawing said first mentioned means out of alignment with said cams.

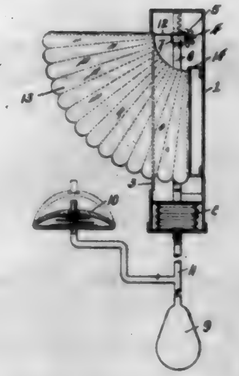
1,537,079. ELEVATOR SYSTEM. HARRY BENJAMIN GOLDMAN, Pittsburgh, Pa., assignor of one-half to Marshall Brothers Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,727. 4 Claims. (Cl. 187—29.)



2. In an elevator system, the combination of a controller, a plurality of circuits arranged to be energized when said controller is moved to various positions, a leveling device, and electromagnetic means whereby said leveling device is rendered inoperative when said controller is moved to certain of said positions and operative when said controller is moved to another of said positions and a separate circuit adapted to be closed when said leveling device is rendered inoperative.

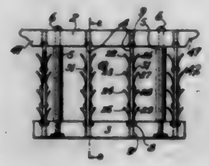
1,537,080. SIGNAL MEANS. WILLIAM GRAH, Waterville, Ohio. Filed Dec. 1, 1924. Serial No. 753,361. 2 Claims. (Cl. 116—39.)

1. In a signal device of the class described, a case having an opening in the outer side thereof, a shaft, means yieldably urging rotation of said shaft in one direction, a pinion on the shaft, a rack in engagement with the pinion and movable lengthwise of the case, a bellows connected to the rack and operable to rock the shaft in one direction against the tension of said yielding means when the bellows is expanded, a fan-like signal member connected at one end to the shaft and at its other end to the interior of the case and operable to open up to signalling position outside the case through



the opening therein when the shaft is rotated by expansion of the bellows, and a hand bulb communicating with the bellows for operation thereof.

1,537,081. MULTIPLE PLUG. FRANK H. GRAHAM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 15, 1923. Serial No. 680,786. 11 Claims. (Cl. 179—91.)



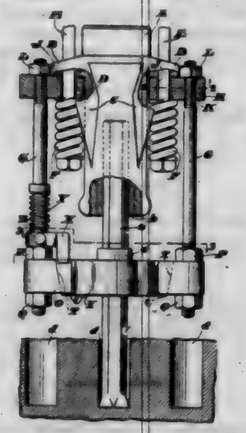
1. In a multiple plug, a frame comprising bars parallelly disposed and spacing members, contact supporting members extending between said bars and supported therein, and spring contacts carried by said supporting members.

1,537,082. METHOD OF MAKING SPRING-HEEL SHOE SOLES. JULIUS F. G'SELL, Jerseyville, Ill., assignor to International Shoe Company, St. Louis, Mo., a Corporation of Delaware. Filed July 16, 1923. Serial No. 651,733. 7 Claims. (Cl. 12—146.)



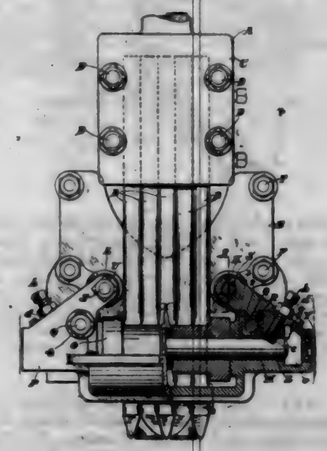
5. The method of making spring heel soles, which consists in placing in a base section of a mold having a shape forming cavity a heel lift in inverted position, said heel lift having a glue surface on the face thereof, placing a shoe sole blank on said lift, and clamping the parts in position and then applying pressure uniformly to the heel area of the sole effectively to bend the lift to the sole and to shape the sole.

1,537,083. COMBINED CENTRALIZER AND RETAINER FOR ROCK-DRILL STEELS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 24, 1924. Serial No. 715,717. 6 Claims. (Cl. 121—32.)



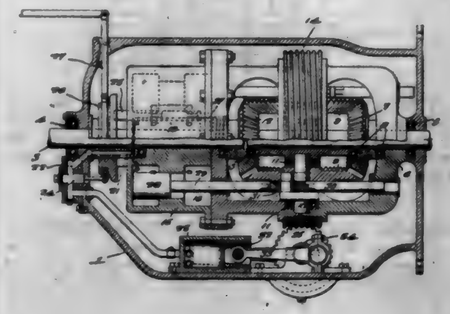
4. A combined centralizer and retainer for rock drill steels comprising a pair of blocks adapted to be held yieldingly under the through bolt springs of a rock drill, a pair of forwardly extending bolts mounted on said blocks, a guide mounted on the forward ends of said bolts provided with tapered slots and formed to receive a drill steel and to limit its forward motion, and a guide plate having tapered sides cooperating with said tapered slots to hold said guide plate in position in the guide and shaped with said guide to encircle the steel.

1,537,084. ROLLER GUIDE FOR CHANNELING STEELS. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 1, 1924. Serial No. 747,146. 8 Claims. (Cl. 262—16.)



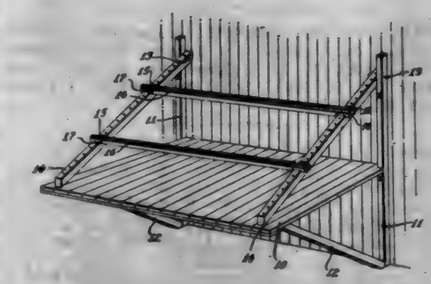
1. A guide for channeler steels comprising a base adapted to be mounted on a channeler, a supplementary portion removable from said base, a plurality of anti-friction rollers adapted to encircle a channeler steel, one of said rollers being flanged and formed in two parts to permit adjustment of the spacing of said flanges.

1,537,085. FLUID-PRESSURE TRANSMISSION AND CLUTCH. FRANC INGEMARSON, Tulsa, Okla. Filed May 29, 1924. Serial No. 716,714. 3 Claims. (Cl. 74—34.)



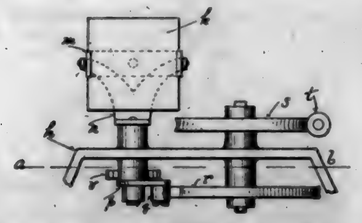
1. A fluid pressure transmission and clutch device comprising aligned driving and driven shafts a yoke mounted upon the shafts, a gear fixed upon the driving shaft, angularly disposed gear wheels carried by the yoke, a gear wheel fixed upon the driven shaft and meshing with the gear wheels which are carried by the yoke, a block carried by the yoke and having chambers, pistons slidably mounted in the chambers of the block and connected with the gear wheels carried by the yoke, a pump for supplying fluid to the block chambers and means operatively connecting the pump with the yoke.

1,537,086. COMBINED PERCH AND TRAP. GUST ISCHENHOUSER, Clifford, Mass. Filed Mar. 13, 1922. Serial No. 543,420. 2 Claims. (Cl. 119—25.)



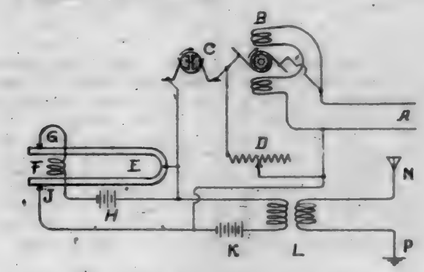
1. A knock-down poultry roost construction comprising a pair of uprights, a plurality of perch supporting strips detachably secured to said uprights and having seats extending transversely of said strips, perch bars said bars having pins adapted to engage the sides of the strips and prevent both longitudinal movement of the bars relatively to said strips and accidental detachment of the supporting strips from said uprights.

1,537,087. TWO-WAY OSCILLATING MIRROR. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation. Filed Oct. 20, 1922. Serial No. 595,819. 3 Claims. (Cl. 178—6.)



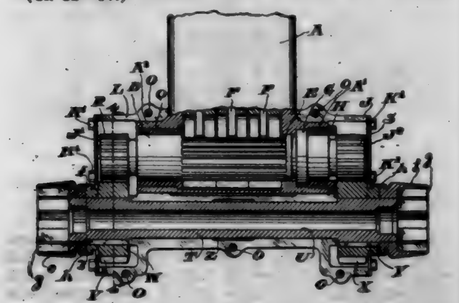
1. In a mechanism for oscillating a mirror, the combination of a screw for giving the mirror an oscillation in one plane, and a cam for simultaneously giving the mirror a plurality of oscillations in a plane at right angles to the first plane.

1,537,088. DEVICE FOR DETECTING SYNCHRONISM. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation. Filed Feb. 19, 1923. Serial No. 619,905. 3 Claims. (Cl. 178—58.)



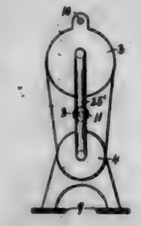
1. The combination of a motor, means for transmitting to a distance signals having a definite relation to the revolutions of said motor, a distant second motor, a visible marker on the rotor of said second motor, a lamp for illuminating said marker, and means for lighting said lamp in synchronism with the incoming signals.

1,537,089. TRACK WRENCH. FRANCIS A. JIMERSON, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Oct. 11, 1923. Serial No. 667,792. 4 Claims. (Cl. 81—57.)



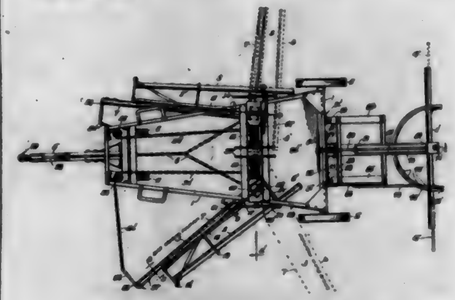
1. In a track wrench, the combination of a holder, a fluid operated motor freely pivoted in said holder and capable of being rocked about the axis of said holder through a limited arc while the machine is in operation, a driving spindle carried by the motor and connected to be operated by said motor, a thrust bearing for said spindle, a gear mounted on each end of said driving spindle, a driven spindle having a bearing in said holder, a gear mounted on each end of the driven spindle meshing with the corresponding gears on the driving spindle, a chuck removably secured to each end of the driven spindle, and a rod carried by the casing for holding the wrench in operative position relative to the work.

1,537,090. HUMIDOR. ALVA T. SMITH, Winsted, Conn. Filed Apr. 6, 1923. Serial No. 630,217. 3 Claims. (Cl. 131—30.)



1. In a humidifier, a closed water container and a hollow porous body having interior and exterior surfaces, and means for supplying water from said container to one of said surfaces to be conducted by capillary force through the pores of said body to vaporize at the other surface.

1,537,091. ROAD GRADER. JOHN SNYDER, LE ROY CRAIG, LEE A. SULLIVAN, and WILLIAM E. SULLIVAN, Jacksonville, Ill., assignors to Success Road Machine Company, Jacksonville, Ill., a Corporation of Illinois. Filed May 12, 1924. Serial No. 712,665. 16 Claims. (Cl. 37—108.)

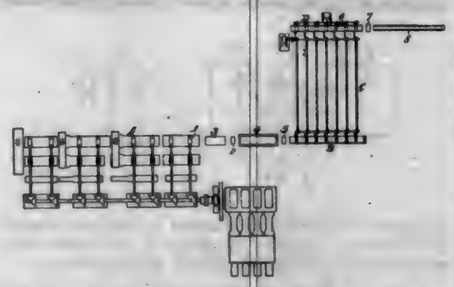


1. A road grader having diagonal double scraping means on both sides, said scraping means being formed and arranged for mutual neutralization of side draft when the device is in effective normal operation, and the double means on each side including a pair of blades spaced apart somewhat one behind and effectually somewhat lower than the other and inclined somewhat relative thereto in substantially a horizontal plane.

1,537,092. APPARATUS FOR AND METHOD OF FORMING AND HANDLING SHEET BARS AND THE LIKE. WILLIAM J. STOOP, Wheeling, W. Va. Filed Dec. 13, 1922. Serial No. 606,598. 15 Claims. (Cl. 80—60.)

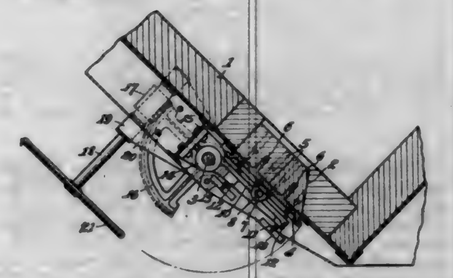
9. The method of producing and automatically handling sheet bars, which consists in cutting the metal into

bar lengths as it passes from the reducing rolls, passing the bars individually through a boshing tank, delivering



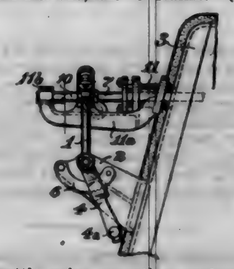
said bars to transporting devices, advancing said bars on said devices for separately air-cooling the same, and finally piling the cooled bars.

1,537,093. ASH GATE FOR THE FIRE BOXES OF BOILERS. WILLIAM J. STOOP, Wheeling, W. Va. Filed Dec. 5, 1923. Serial No. 678,773. 5 Claims. (Cl. 110—165.)



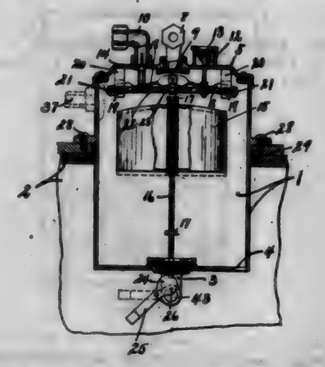
1. An ash gate for furnaces and the fire-boxes of boilers, comprising in combination with an inclined bottom wall of the furnace, said wall having an ash-removal opening therein, of a shaft journaled adjacent to the upper outer edge of said opening, arms fixed to said shaft, a metallic gate body pivotally carried by said arms, a refractory lining carried by said body, adjustable means for effecting angular adjustment of said body with respect to said arms, and means for imparting rotary movements to said shaft for swinging said gate body into and out of closing relation to said opening.

1,537,094. THROTTLE-VALVE OPERATING MECHANISM. HARRY SWOYER, Dunkirk, N. Y. Filed Dec. 12, 1924. Serial No. 755,882. 5 Claims. (Cl. 74—89.)



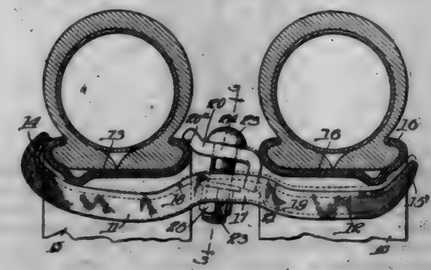
1. In a throttle valve operating mechanism, the combination of a longitudinally movable throttle rod; a transmission shaft, journalled transversely thereto; a cam, fixed on said shaft; a member, fixed on the throttle rod and engaging said cam; and means for rocking the transmission shaft in its bearings.

1,537,095. APPARATUS FOR WITHDRAWING AND RECLAIMING THE LIQUID CONTENTS OF THE CRANK CASE OF AN INTERNAL-COMBUSTION ENGINE. EUGENE A. THOMPSON, Syracuse, N. Y. Filed June 20, 1921, Serial No. 479,157. Renewed Mar. 18, 1925. 8 Claims. (Cl. 123—196.)



1. The combination with an engine and its crankcase having an opening therethrough, of a chambered device having a part extending through the opening of the crankcase, a conduit exterior of the crankcase and connecting the crankcase to the chamber of said device, means for heating liquid flowing through said conduit, means for connecting said chamber to a source of suction, a discharge from said chamber directly into the crankcase and a valve within the crankcase controlling such discharge.

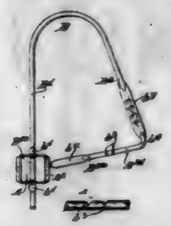
1,537,096. TIRE HOLDER. PARKER C. THOMPSON, Chicago, Ill., assignor to Thompson-Neaylon Manufacturing Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1923. Serial No. 656,768. 2 Claims. (Cl. 224—29.)



1. In a tire clamp device of the character described, the combination of a relatively long and narrow rigid body having an outstanding hook-like part at one end for holding engagement with a side of a relatively fixed tire rim and for ready application to and releasement therefrom, said body including a normally free-end part formed to accommodate a second tire rim and being formed to hold such second rim against a material amount of movement in a direction away from such relatively fixed rim when both rims are side by side and held by said clamp device, a clamping lever fulcrumed on said body and overlying the normally outer surface of said body about midway of its ends and extending longitudinally with the body and having a free end portion normally adjacent to and adapted to engage the relatively fixed rim at the side thereof opposite the side engaged by said hook-like part to bind the tire clamp as a whole upon the relatively fixed rim, and a bolt extending transversely through the body and said clamping lever and being posi-

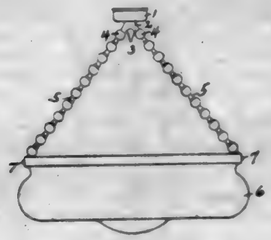
tioned between the place where the clamping lever is fulcrumed and its free end for drawing the body toward said clamping lever for clamping the device upon the relatively fixed rim and for moving the free end portion of the body radially outward with respect to the axis of the second rim when normally held by the device.

1,537,097. SEAL. EMIL TYDEN, Evanston, Ill. Filed May 2, 1923. Serial No. 636,075. 9 Claims. (Cl. 292—315.)



1. A seal comprising a body member having walls encompassing an open space, said walls having two pairs of opposed apertures in two planes transverse to each other and to the plane in which said walls encompass the open space; in combination with a flexible rod, one end of which is inserted through one pair of said apertures across said open space and locked in said apertures by distortion of the rod at opposite sides of the two walls respectively, the other end of the rod being adapted for insertion through the other pair of apertures, and at a point far enough back from the end to form a hook, being weakened so as to insure breaking by being folded into hook form and subsequently straightened.

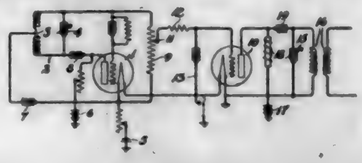
1,537,098. LIGHTING-FIXTURE SUPPORT. JOHN VELCIO, Youngstown, Ohio. Filed Feb. 21, 1921. Serial No. 446,801. 2 Claims. (Cl. 247—30.)



1. In a device of the class described, two hollow half sections formed with a ball-shaped portion at each end, one ball end being smaller than the other ball end in order that the smaller ball end formed by placing the said two half sections together will loosely fit within opening within larger ball end so as to form a universal joint, a circular recess formed on the exterior of said two half sections, a snap ring formed to snap into said circular recess, substantially as described for the purpose set forth.

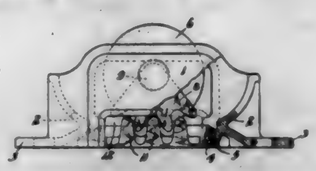
1,537,099. CARRIER-CURRENT SYSTEM. HARALD J. VENNES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 21, 1920. Serial No. 432,316. 17 Claims. (Cl. 178—51.)

1. A signal system comprising a source for continuously generating a current of carrier frequency, said source including a tuned frequency determining circuit, a work circuit connected thereto including an amplifier, means to shunt the carrier current from said amplifier in



accordance with signals and means to maintain substantially constant impedance conditions in said work circuit irrespective of the operation of said shunting means.

1,537,100. ROLLER SIDE BEARING. EDWIN W. WEBB, Chicago, Ill., assignor to Standard Car Truck Company, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 2, 1922. Serial No. 598,526. 9 Claims. (Cl. 308—226.)



1. A side bearing for railway cars having in combination, a housing, a bearing plate, a roller supported on and movable on said plate, a counterweight member supported by and directly engaging said roller disposed adjacent the side thereof and swingable relatively thereto, and a fixed rack with which said counterweight engages, said counterweight depending from said roller and said rack being formed on said bearing plate.

1,537,101. MEANS FOR CONNECTING DEVICES OF DIFFERENT IMPEDANCE. DONALD F. WHITING, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 3, 1921. Serial No. 474,650. 9 Claims. (Cl. 178—44.)

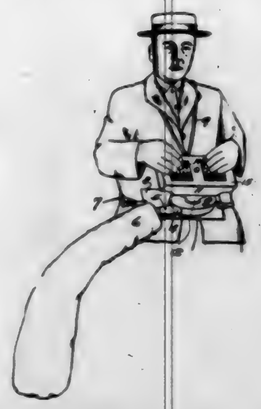


1. A translating device and a circuit having an impedance different from that of the device, said circuit and device being connected for the interchange of energy of a given frequency therebetween, said device being included in a parallel-resonant circuit to the terminals of which the said first mentioned circuit is connected, the impedance of said parallel-resonant circuit as viewed from the terminals of said first mentioned circuit being conjugate to the impedance of the first mentioned circuit.

1,537,102. COTTON-PICKING MACHINE. OSCAR B. WINSTON, Memphis, Tenn. Filed June 22, 1921. Serial No. 479,541. 7 Claims. (Cl. 56—31.)

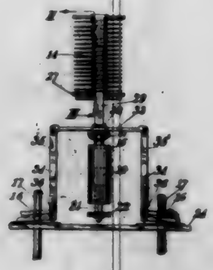
1. In a cotton picking machine, a receptacle for the cotton, a housing; picking means, an exhaust fan for transferring the cotton from the picking means to the said receptacle, and a motor driving said picking means

and fan, all within said housing; current wires leading to the said motor, and means attaching said housing means rigidly to the body of the operator whereby the



direction of the machine will be controlled solely by the movement of the operator and the hands of the operator be left free to bring the cotton bolls into contact with the picking head.

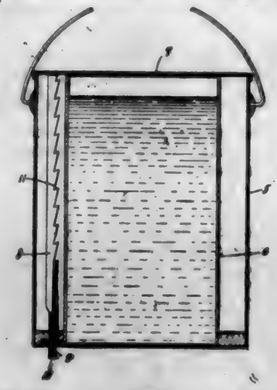
1,537,103. FEEDING MECHANISM FOR ARC LAMPS. MAURICE J. WOHL, New York, N. Y., assignor to M. J. Wohl & Co., Inc., Long Island City, N. Y., a Corporation of New York. Filed June 15, 1921. Serial No. 477,780. 6 Claims. (Cl. 176—59.)



1. In an arc lamp a pair of electrodes, lifting means therefor, a cross-bar connecting said lifting means to each other, magnetic means, a dash pot having a fixed and a movable member in axial alinement with said magnetic means, a joint including resilient means permitting longitudinal movement between said dash pot and said magnetic means and other resilient means on said joint holding the substantially equal lever arms of said bar balanced and yieldingly connected to said magnetic means.

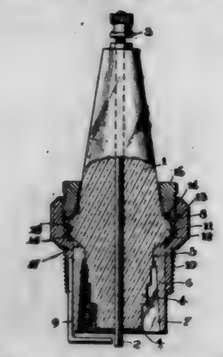
1,537,104. LIQUID DISPENSER. GAY WELLENWEBER, Savannah, Ga. Filed Aug. 10, 1922. Serial No. 580,964. 1 Claim. (Cl. 299—22.)

In a fluid dispensing device, a container having an opening, a vertically disposed bar having a discharge tube formed at one end thereof supported within the container, said discharge tube being positioned in the opening, said bar having shoulders arranged in spaced relation with each other, a wick having one end thereof positioned in the container and having its intermediate



portion adapted to be positioned on the shoulders to adjust the length of the wick, and the opposite end of said wick being positioned in the discharge tube.

1,537,105. SPARK PLUG. WILLIAM WALTON WOODROOF, Auburn, Ala. Filed Apr. 6, 1923. Serial No. 630,301. 1 Claim. (Cl. 123—169.)

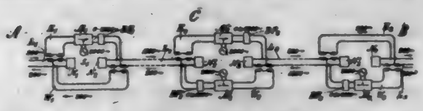


A spark plug comprising a base having an externally threaded portion and having a recess partially threaded and merging into a rounded portion, a porcelain petticoat fitted in the base having the internal surface sloping outwardly and being beveled at the upper end which is thickest, the upper edge extending slightly above the rounded portion to provide a chamber, a porcelain core mounted in the base having an enlargement situated in said recess and having a portion engaging the bevel of said petticoat to produce a tight joint, said core having a series of concentric steps reducing the core outwardly of the spark plug, a gasket occupying said chamber and being engaged by said enlargement, a jamb nut screwed into the threaded recess and pressing upon said enlargement, a gasket interposed between the jamb nut and said enlargement, and electrodes carried both by the core and by the base.

1,537,106. MEANS FOR AND METHOD OF EQUALIZING ATTENUATION. HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 2, 1921, Serial No. 474,402. Renewed Aug. 6, 1924. 9 Claims. (Cl. 178—44.)

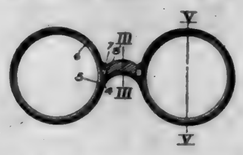
1. The method of equalizing the attenuation of a band of frequencies transmitted over a transmission sys-

tem which consists in subjecting the band to attenuation variable with frequency in a given manner during transmission over a part of the system, and subjecting



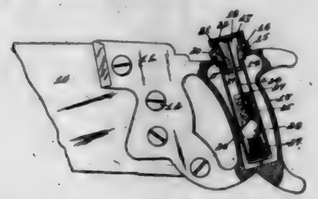
the band to attenuation varying with frequency in a complementary manner during transmission over the remainder of the system.

1,537,107. OPHTHALMIC MOUNTING. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Jan. 17, 1921. Serial No. 437,918. 3 Claims. (Cl. 88—47.)



3. The process of forming a reinforced composition frame consisting in forming a one-piece bridge and eye wire, interiorly grooving the eye wire, introducing a reinforcement to the eye wire by way of the bridge, and embedding the reinforcement within the groove, substantially as described.

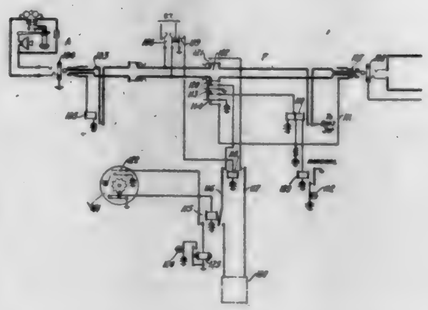
1,537,108. HANDLE FOR SAWS. GEORGE B. COPLEY, Des Moines, Iowa. Filed Feb. 27, 1923. Serial No. 621,525. 1 Claim. (Cl. 145—35.)



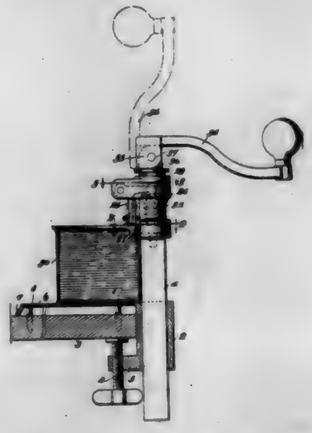
A container having a screw threaded opening, a hollow lug having its upper and lower ends externally screw threaded, a shoulder portion between the screw threaded portions, the lower end of said lug being provided with a pair of downwardly extending wire loops, one of which is arranged at right angles to the other to form a cage, an extensible coil spring on the lower end of said loops, a ball on the upper end of said coil spring, a cap for the upper screw threaded portion of said lug, a pin extending downwardly from the central portion of said cap, a swab on the lower end of said pin designed to be drawn upwardly through the opening of said lug as the cap member is removed, the lower end of said lug being provided with a valve seat designed to be engaged by the said ball when the swab is removed.

1,537,109. TELEPHONE SYSTEM. JOHN DAVIDSON, Jr., Trenton, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 10, 1920. Serial No. 402,632. 29 Claims. (Cl. 179—27.)

1. In a telephone system, in combination, an originating office, a distant office, a plurality of trunk lines and a signaling path common thereto extending between said offices, automatic switching mechanisms at said distant office in which said trunk lines terminate, means at said originating office for controlling said mechanisms over said trunk lines, means at one of said offices for transmitting over the signaling path code signals individual to the different runk lines, a normally inactive switching device common to the trunk lines for determining the codes of the signals to be transmitted, and means controlled by a change in condition on any one of the trunk lines for rendering the switching device active.

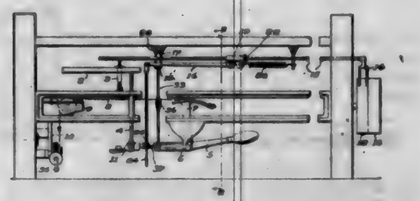


1,537,110. CAN OPENER. HENRY J. EDLUND, Burlington, Vt. Filed May 24, 1924. Serial No. 715,631. 4 Claims. (Cl. 30—3.)



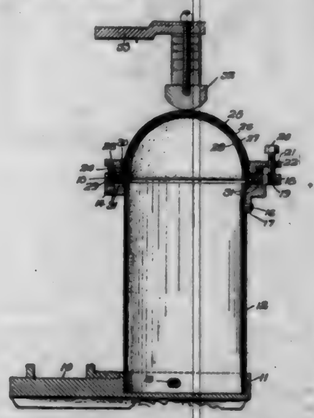
1. In a can opening device, a vertically adjustable post, a horizontal support at one side of said post and adjacent thereto on which a can may be disposed, a blade, means carried by said post for adjustably supporting said blade above said horizontal support and in position to penetrate the top of the can on said horizontal support, a rotor supported on said post for engaging with said can to feed the latter to said blade, sleeve movable on said post in engagement with said blade supporting means for actuating the latter to move the blade radially of the can top, and a handle pivoted to the post for turning the latter and having a cam for actuating said sleeve.

1,537,111. SPINNING MACHINE. CHARLES H. FORSAITH, Nashua, N. H., assignor to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Apr. 26, 1923. Serial No. 634,759. 11 Claims. (Cl. 118—5.)



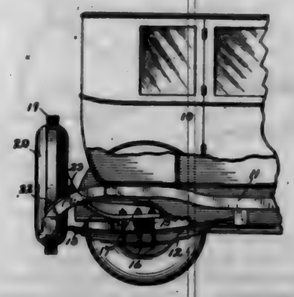
1. In a spinning machine, mechanism arranged to be brought into operation by the winding down the ring rail for automatically stopping the machine.

1,537,112. AIR CUSHION. EDWARD J. GLACKIN, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,311. 3 Claims. (Cl. 267—65.)



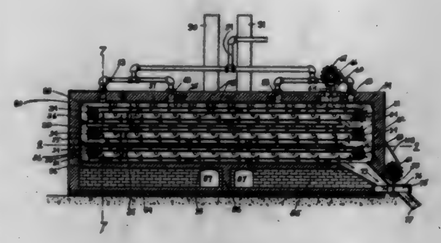
1. In an air cushion, a dome having its exterior formed of reinforced rubber, and a rim integral therewith formed of substantially softer rubber.

1,537,113. PNEUMATIC TIRED VEHICLE. EDWARD J. GLACKIN, Chicago, Ill. Filed Oct. 23, 1924. Serial No. 745,845. 6 Claims. (Cl. 267—31.)



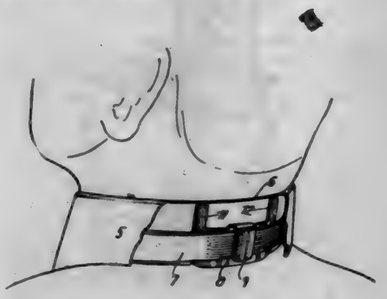
1. In a pneumatic-tired vehicle, the combination with a chassis member, of a body member mounted thereon and movable relative thereto, a tire support carried by one member, a spare tire mounted on said support, and an abutment carried by the other member adapted to cooperate with the tire, substantially as and for the purpose described.

1,537,114. GAS-EXTRACTING APPARATUS. EMANUEL W. HARTMAN, Miami, Fla. Filed July 20, 1921. Serial No. 486,318. 5 Claims. (Cl. 202—14.)



1. In an apparatus for extracting gas from bitumen containing material, a retort consisting of two compartments in which the material is treated, means for heating said retort, a third compartment between the first two situated directly over said heating means into which the gas extracted from the material in both said first named compartments escapes, said third compartment having a solid bottom and an outlet at the top for said gas.

1,537,115. NECKTIE SLIP. ADOLPH HOFSTETTER, Ridgefield Park, N. J. Filed May 29, 1923. Serial No. 642,308. 1 Claim. (Cl. 2—156.)

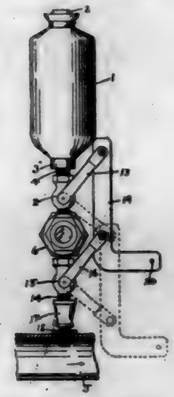


A device of the class described comprising a curved plate adapted to be positioned between the folds of a collar, a tongue formed integral with the plate and disposed intermediate the sides thereof, said tongue being bent over but spaced from the outer face thereof and terminating adjacent the lower edge of the said plate and projections extending upwardly from the sides of the plate for spacing the top edge thereof from the folded edge or crease of a collar.

1,537,116. GRAPHITE LUBRICATOR FOR STEAM LINES. HARRY HOWLETT, Houston, Tex. Filed June 25, 1923. Serial No. 647,481. 2 Claims. (Cl. 184—83.)

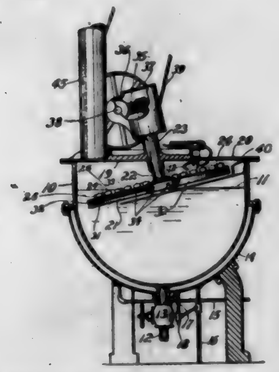
1. A lubricator comprising a container for graphite, a steam line, a connecting pipe between said lubricator and

said steam line, a measuring chamber in said connecting pipe, means to permit the filling of said chamber with a charge of graphite from said container and to thereafter



close connection between said container and said chamber and to permit the discharge of said charge of graphite to said steam line.

1,537,117. APPARATUS FOR TREATING ARTICLES OF MANUFACTURE. WILLIAM R. HURD, 2d, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 22, 1920. Serial No. 425,816. 22 Claims. (Cl. 91—42.)

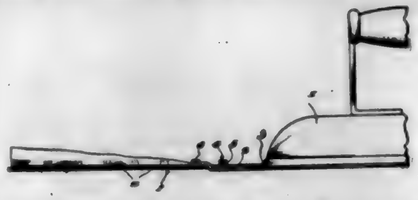


1. An apparatus comprising a covered container for a body of treating substance, means for emitting a jet of fluid under pressure in said container but above the level of said body of treating substance, and means constructed and arranged to transfer an article immersed in said body of treating substance from the latter to said jet.

22. An apparatus comprising a container adapted to hold a body of coating substance, a rotary shaft extending downwardly into the top of said container and one or more carrying elements carried by said shaft and movable through an endless path in said container such as to immerse the work in said body and thereafter carry the work out of said body.

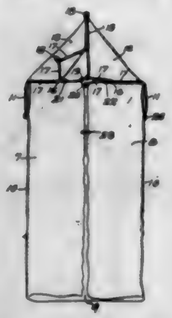
1,537,118. CLOTH-FOLDING DEVICE. CHARLOTTE ELIZABETH KENT, Osgood, Mo. Filed June 14, 1924. Serial No. 720,143. 3 Claims. (Cl. 270—93.)

1. A cloth folding device comprising a plate formed with a transverse slot, and cloth guiding and folding fingers having shank portions projecting upwardly from the plate and terminal portions projecting inwardly toward each other, the said fingers being arranged in



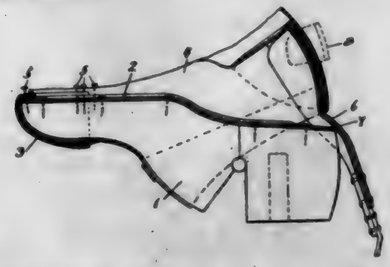
spaced relation and in advance of opposite ends of the slot, the inwardly presented sides of the shanks of the fingers being located in alinement with the respective end walls of the said slot.

1,537,119. TRAVEL ROBE AND METHOD OF MAKING SAME. MARTHA Q. KEPLINGER, San Francisco, Calif. Filed Oct. 25, 1922. Serial No. 596,785. 7 Claims. (Cl. 2—24.)



2. A travel robe comprising a body covering having front and back portions with parts only of the top edges of the front stitched to adjacent portions of the back leaving a neck opening between the front and back portions, and a head covering made up of a substantially rectangular portion of cloth with triangular corner portions folded over on the central portion and stitched along parts of its edges providing a face opening in said head covering.

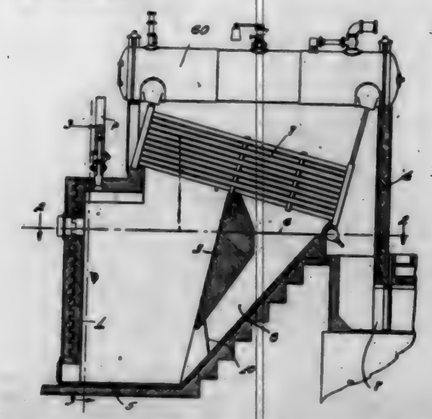
1,537,120. METHOD OF LASTING BOOTS AND SHOES. EUCLID I. LA CHAPELLE, Brockton, Mass. Filed Jan. 17, 1924. Serial No. 686,789. 2 Claims. (Cl. 12—14.5.)



1. That method of lasting boots and shoes, which consists in applying to a last a moulded box-toe and an upper having its toe part unmoulded and a tip portion, in pulling over on the said last the said upper, preliminary to placing the heel part of the said upper over

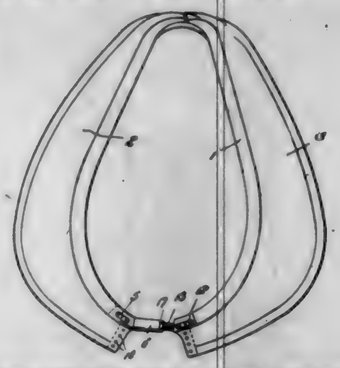
the heel end of the said last, for the purposes described, in stretching the said pulled-over upper lengthwise of the said last from toe to heel and in thereafter placing the heel part of the said pulled-over upper over the heel end of the said last.

1,537,121. FURNACE. JOHN W. LAUREN, Sterling, Ill., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,519. 3 Claims. (Cl. 110—165.)



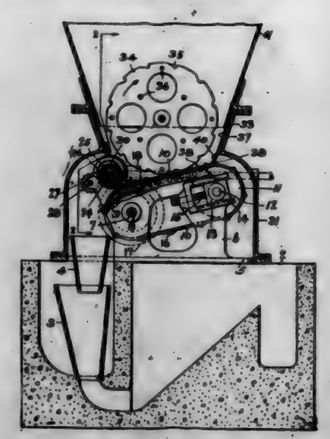
1. In a furnace, a fire-box, and a water-tube boiler supported above the rear portion thereof, the fire-box having a rear wall which slopes upwardly and rearwardly to direct the products of combustion toward and between the boiler tubes, this rear wall having upwardly flaring open ended passages therein, the upper ends of which receive cinders and ash from the stream of gases passing thereover, and the lower ends of which open into the bottom of the fire-box, and discharge the cinders thereinto.

1,537,122. ADJUSTABLE HORSE COLLAR. JOSEF HECTOR LEEMANS and SIEBE LOUWS GROENEWOUD, Edam, Saskatchewan, Canada. Filed May 1, 1924. Serial No. 710,827. 1 Claim. (Cl. 54—19.)



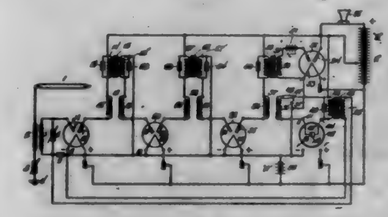
A horse collar comprising a pair of co-operating sections secured together at their upper ends, a tubular member secured in the rim of the lower end of one of said sections and having an internally threaded sleeve extending outwardly therefrom, a rod secured in the rim portion of the lower end of the other section and having its outer end extending beyond the lower end of the aforementioned section and being externally threaded, said threaded sleeve adapted to receive the threaded shank and depending plates carried by the tubular member and said rod respectively and adapted to be secured in the after-wale of each of said sections.

1,537,123. DRY-FEED MACHINE. FREDERICK B. LEOPOLD, Pittsburgh, Pa. Filed June 28, 1923. Serial No. 648,405. 6 Claims. (Cl. 83—44.)



1. In a machine of the character described the combination with a suitable hopper, of an endless belt below said hopper, means for driving said belt, a measuring device at the discharge end of said belt, plates engaging said hopper and contiguous to said belt, and means for adjusting said plates to and from said belt.

1,537,124. RADIO RECEIVING DEVICE. WALTER LYTTON, Chicago, Ill., assignor to Lytton Incorporated, Chicago, Ill., a Corporation of Illinois. Filed Feb. 13, 1923. Serial No. 618,790. 1 Claim. (Cl. 250—20.)

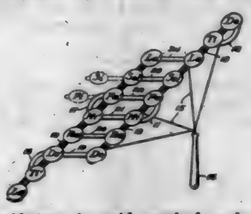


In a radio receiving system, the combination of a four terminal socket adapted to receive either an ordinary vacuum tube or a crystal detector interchangeably, a radiofrequency transformer, an audiofrequency transformer, and a switch arranged to connect one side of the radiofrequency secondary to one side of the audiofrequency primary, and the opposite sides of said secondary and primary being connected to appropriate terminals of said socket respectively.

1,537,125. APPLIANCE FOR MUSICAL INSTRUCTION. JESSIE F. MANN, Long Lake, N. Y. Filed June 30, 1921. Serial No. 481,031. 23 Claims. (Cl. 84—472.)

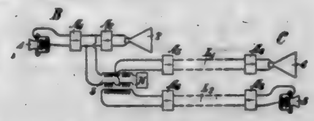
5. A unitary appliance for musical instruction, comprising a frame having representations of the tones

a major musical scale positioned thereon to show their position on a staff, certain of said tone representations being joined together by elements which represent the



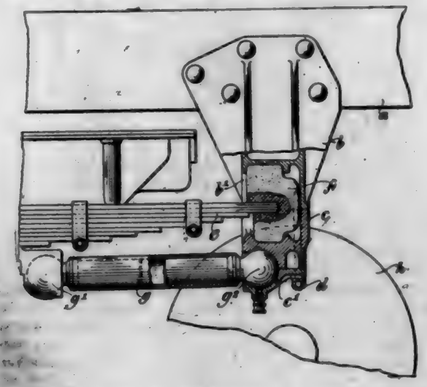
location of half-steps in said musical scale, and means for supporting said frame whereby the same may be superimposed upon or removed from a staff.

1,537,126. LOUD-SPEAKER CIRCUIT. WILLIAM H. MARTIN, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 24, 1922. Serial No. 570,552. 5 Claims. (Cl. 179—1.)



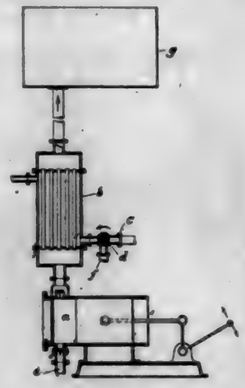
1. A communication system comprising a station, a circuit at said first station including a transmitter and a loud speaking receiver; a second circuit associated with said first circuit and extending to a second station, a loud speaking receiver associated with said second circuit at said second station; a transmitter at said second station, and a circuit for said transmitter, said circuit being operatively associated with said first circuit and neutral with respect to said second circuit.

1,537,127. HOUSING FOR RUBBER-BLOCK CONNECTIONS. ALFRED F. MASURY, New York, and AUGUST H. LEIPERT, College Point, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 12, 1921. Serial No. 507,402. 3 Claims. (Cl. 267—54.)



1. As an article of manufacture, a separable housing to retain means comprising a yielding non-metallic connection between a vehicle spring and chassis frame formed with a cap detachably secured thereto, a sub-cap secured to said first named cap and unyielding means carried with the cap and the sub-cap to retain the end of a radius rod of a motor vehicle.

1,537,128. METHOD OF STARTING INTERNAL-COMBUSTION ENGINES. RUDOLF MAYER, Goldschmieden Kreis, Breslau, Germany, assignor to the Firm of Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft, Augsburg, Germany, a German Corporation. Filed Aug. 24, 1921. Serial No. 494,930. 6 Claims. (Cl. 123—65.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



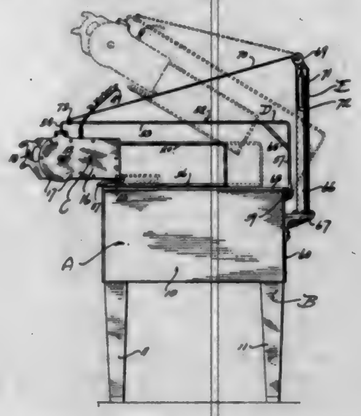
1. In the operation of Diesel engines of the two-cycle type, in which air under pressure is introduced into the cylinder to scavenge the cylinder and to furnish the charge of air for combustion, the method which comprises the steps of heating the scavenging air before admission to the engine cylinder, and subsequently cooling said air after the engine begins to operate under its own power.

1,537,129. WIRE-ATTACHING CLIP. JOHN W. MEAKER, Chicago, Ill., assignor to American Steel & Wire Company, Cleveland, Ohio, a Corporation of New Jersey. Filed Sept. 20, 1923. Serial No. 663,828. 4 Claims. (Cl. 39—57.)



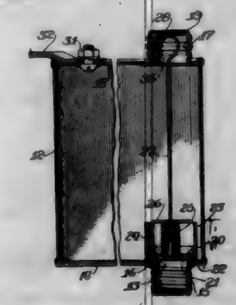
1. A wire attaching clip for use with fence posts having a wire engaging flange, the clip having a hook adapted to engage an edge of a post flange, a portion adapted to extend across the flange to retain wire against the flange, and an end portion adapted to be bent around another portion of a post, the wire retaining portion having its central portion formed with a relatively short wire retaining arc formed therein, the parts of the wire retaining portion upon either side of the arc being formed to lie approximately parallel to a post flange.

1,537,130. POWER-OPERATED SAWING MECHANISM. EARL NIXON, Bolivar, Pa. Filed Sept. 15, 1922. Serial No. 588,426. 2 Claims. (Cl. 143—68.)



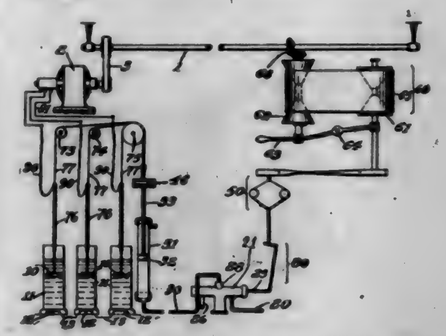
1. A device of the class described comprising a supporting arrangement having a handle thereon, a saw blade, a frame having upper and lower strips slidably extending through said supporting arrangement, the upper strip being provided with a down-turned forward portion and adapted for connection with a saw blade, the lower strip having its forward end portion carried downwardly and then rearwardly and having its free end portion extending downwardly and adapted for connection with a saw blade, whereby a relatively long blade may be used which is adapted for exterior overlapping relation with respect to said supporting arrangement when in rearward position with respect thereto, and means carried by said supporting arrangement for reciprocation of said saw.

1,537,131. LUBRICANT-HOLDER ATTACHMENT FOR ENGINES. HENRY G. OBERREICHER, Chicago, Ill. Filed Oct. 23, 1922. Serial No. 596,255. 7 Claims. Cl. 184—105.)



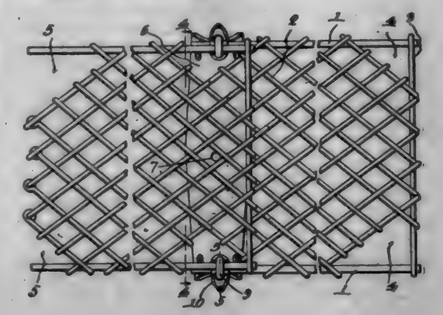
1. A lubricant container embodying a closed receptacle having a fill opening and a discharge opening disposed in alinement, a valve for controlling the discharge opening, a flexible element connected with the said valve mechanism for operating it, said flexible member extending through the said fill opening and adapted to be folded or twisted to assume a position entirely within the fill opening for storage or shipment purposes, and removable closures individual to the said openings.

1,537,132. SPEED CONTROL FOR MOTOR-DRIVEN SYSTEMS. FREDERICK B. OLSON, Berlin, N. H. Filed Jan. 2, 1920. Serial No. 348,978. 1 Claim. (Cl. 172—274.)



The combination with a driven element and an electric motor having a polyphase winding, of a secondary liquid rheostat comprising a relatively movable and a relatively stationary electrode for each winding, a common support for the movable electrodes, a governor, a variable speed mechanism interposed between said governor and the driven element, and motion transmitting connections dominated by said governor and dominant upon said common support for the movable electrodes of the rheostat whereby to simultaneously vary the position of all of said movable electrodes upon a variation of the surface speed of said driven element.

1,537,133. TROLLEY GUARD. WILSON KINGMAN PAGE, Olean, N. Y. Filed Dec. 9, 1924. Serial No. 754,861. 6 Claims. (Cl. 191—35.)

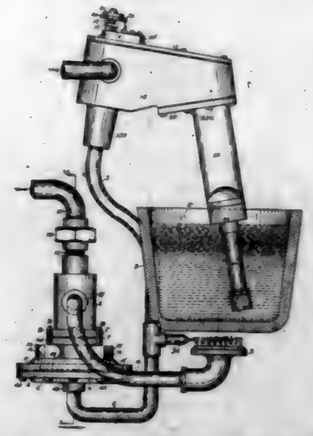


1. A trolley wire guard comprising detachably connected sections adapted to nest, said sections having lapping ends, and means engaging the end portions of the sections for binding them together.

1,537,134. GAS-HEATER GOVERNOR. HOWARD WEBSTER PARTLOW, Utica, N. Y. Filed Nov. 26, 1923. Serial No. 676,960. 2 Claims. (Cl. 236—80.)

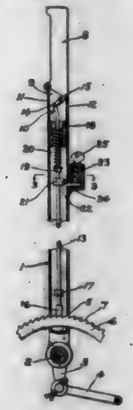
1. The combination with a melting-pot, of a gas-burner for heating said pot, a thermostat, a valve adapted to dispense fluid-pressure operated by the thermostat, a

fuel-gas valve comprising a diaphragm, a plunger for operating said diaphragm, a second and larger diaphragm for actuating said plunger, said second diaphragm



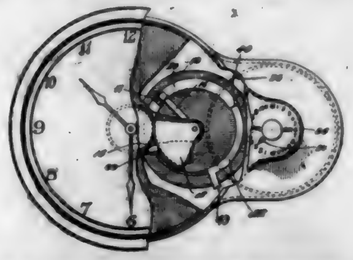
adapted to be moved in one direction by the fluid pressure, and adjustable means for limiting the movement of the second diaphragm to vary the flow of gas to the burner.

1,537,135. LEVER. DONALD WESLEY PECK and ROBERT DANFORD MCALLISTER, Vancouver, British Columbia, Canada. Filed May 28, 1924. Serial No. 716,515. 2 Claims. (Cl. 74—39.)



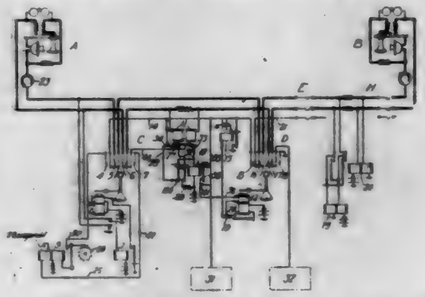
1. A device of the character described comprising a hollow lever pivoted at its lower end, a rack bar passing transversely through the lever above the pivot, a latch slidable in the lever for engaging the teeth of the rack bar to hold the lever in a set position, a rod extending upwardly from the latch, a handle pivoted to the upper end of the lever and provided with a segment shaped portion, adapted to be received wherein the lever when the handle and lever are in aligned position, said segment shaped portion being formed with a curved slot in which is engaged a pin carried at the upper end of said rod, a spring encircling said rod, an abutment carried by the rod for engaging one end of the spring and a second abutment carried by the lever for engaging the opposite end of the spring, and means for locking said rod against movement when the latch is engaged with the teeth of the rack bar.

1,537,136. ELECTRIC TIME SWITCH. THOMAS J. H. PEIRCE, Cranston, R. I. Filed Dec. 29, 1921. Serial No. 525,631. 4 Claims. (Cl. 200—35.)



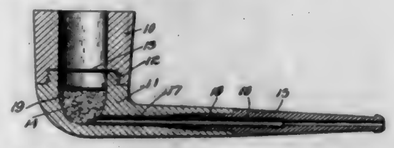
2. In an electric time switch the combination with a clock mechanism, of a rotatable disc of insulating material, a hollow segmental contact strip carried by said disc, a slidable contact segment adapted to be housed in said hollow segment, means for securing the slidable segment in adjusted position, and a contact arm rotated by said motor to contact with said segments, said arm and segments being in an electric circuit.

1,537,137. MEASURED-SERVICE TELEPHONE SYSTEM. RALPH L. QUASS, Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 6, 1922. Serial No. 566,287. 12 Claims. (Cl. 179—9.)



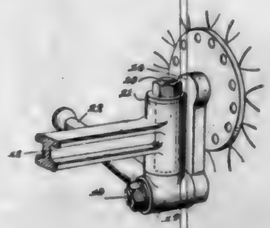
1. In a telephone system, a calling line, a meter associated with said line, a circuit for extending said line, meter operating means associated with said circuit said means including a relay responsive to unidirectional current flow in said circuit and means for preventing momentary operations of said relay from becoming effective to render said first means operable.

1,537,138. TOBACCO PIPE. NORMAN N. RANKOW, New York, N. Y. Filed Feb. 14, 1921. Serial No. 444,760. 2 Claims. (Cl. 131—12.)



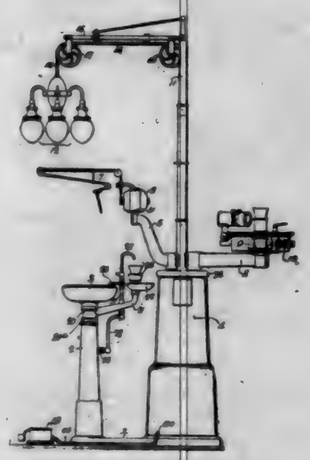
2. In a tobacco pipe, a lower bowl member, filtering material in said bowl member, a perforated plate on said filtering material, an upper bowl member and a second perforated plate clamped between said upper and lower bowl members, said second perforated plate being adapted to be removed in order to accommodate a larger charge of tobacco, substantially as set forth.

1,537,139. MOUNTING OF THE WHEELS OF VEHICLES. WALTER JOSEPH RIDDELL, North Sydney, New South Wales, Australia. Original application filed June 14, 1920, Serial No. 388,976. Divided and this application filed Oct. 18, 1921. Serial No. 508,557. 1 Claim. (Cl. 280—96.1.)



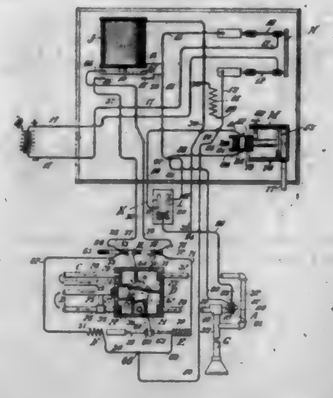
In an automobile, a front axle having a steering knuckle the bore of which is vertical, a vertical swivel pin in the bore of the knuckle, a bearing member on the lower end of said swivel pin and the bore of which is horizontal, a crank having a horizontal pivot pin at its lower end mounted in the bore of the bearing member for swinging movement of said crank, a stub axle extending horizontally from the upper portion of the crank and arranged for the mounting of a vehicle wheel thereon, and a steering arm extending from the socket member of the vertical pivot pin.

1,537,140. DENTAL UNIT. PERCY RUSSELL, Swarthmore, Pa., ADOLPH W. SCHRAMM, Riverton, N. J., and ROBERT S. WOODWARD, Jr., Haverford, Pa., assignors to Electro Dental Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 18, 1922. Serial No. 582,716. 3 Claims. (Cl. 32—5.)



1. The combination of a base structure having an opening therein; a standard substantially concentric with said opening; means for clamping said standard to the base structure formed to permit adjustment of the standard about its vertical axis; a water receptacle mounted on the standard; and water conductors for said receptacle extending through the standard and the opening in the base.

1,537,141. AUTOMATIC CAR-HEATING SYSTEM. EDWARD A. RUSSELL, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed May 1, 1922, Serial No. 557,551. Renewed Nov. 26, 1924. 14 Claims. (Cl. 237—6.)



7. In a steam heating system for a railway car provided with a steam train pipe, heating means connected with the train pipe to receive steam therefrom, a valve to close communication between the train pipe and heating means provided with a drainage outlet in communication with the heating means which is open when the valve is closed, and electrically operated mechanism for opening and closing said valve comprising a relay which is energized and deenergized to open and close the valve, a circuit making and breaking thermostat in the car which controls a circuit that when made diverts current from the relay circuit to deenergize the relay, and a circuit making and breaking thermostat associated with the train pipe which controls a circuit that when made, diverts current from the relay to deenergize the same.

1,537,142. POST BINDER FOR LOOSE-LEAF SHEETS. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed June 11, 1924. Serial No. 719,284. 1 Claim. (Cl. 129—12.)

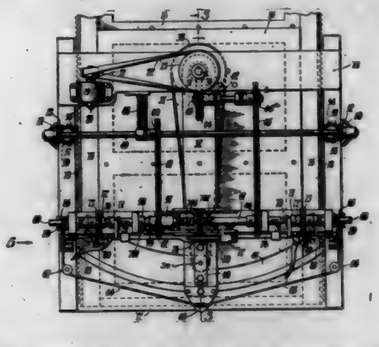


The method of forming the tubular members of post binders for loose leaf sheets with hinge lugs, which consists in forming a rectangular blank and simultaneously cutting elongated openings therein parallel of its length and midway between its sides, bending said blank on a line with said openings with the bent portions diverging, inserting in said openings hinge lugs, welding the free ends of said lugs to the inside of the partially completed tube, and finally bending said portions into completed form with their edges in close abutment.

1,537,143. PLANING MACHINE. FRANZ SCHULDES, New York, N. Y. Filed Aug. 20, 1924. Serial No. 733,101. 10 Claims. (Cl. 144—119.)

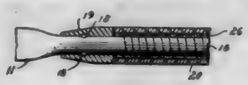
1. In a planing machine, a carriage for the workpiece, a means for imparting a timed step by step

movement to said carriage, an oscillating tool carrier, means for effecting a temporary stopping of said carrier



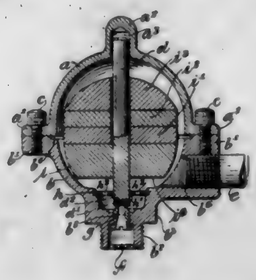
at the stroke-terminals at which time the carriage movement takes place, and means for regulating the length of the sweep of the tool.

1,537,144. TEMPLE. ELMER L. SCHUMACHER and LAWRENCE POSTON, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 12, 1923. Serial No. 631,517. 4 Claims. (Cl. 88—52.)



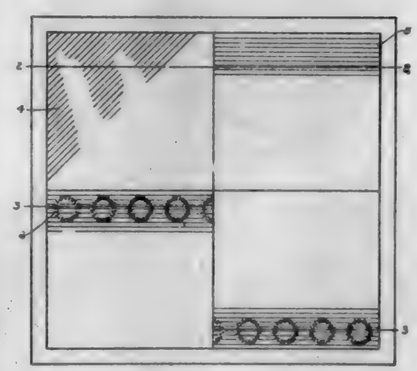
1. A spectacle temple, comprising a straight metal side piece, a flexible cable secured to the rear end thereof, a spirally wound composition cover on said cable, the material of said cover having overlapping edges, and means for securing the cover to the cable and side piece.

1,537,145. RELIEF VALVE. HARRY EDWARD SHENTON, Philadelphia, Pa., assignor to Neptune Meter Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 12, 1923. Serial No. 612,297. 1 Claim. (Cl. 137—53.)



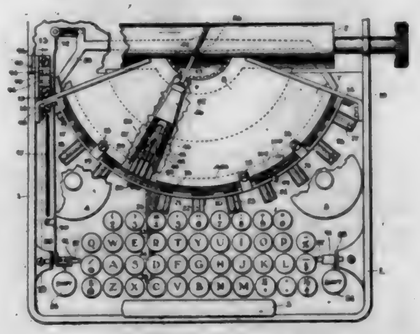
A relief valve comprising a substantially spherical two-part casing, divided horizontally at its middle, the lower part adapted to be connected to the supply line and provided with a waste outlet and a guide for the valve stem and the other part provided with a guide for the valve stem, one of said parts being formed in its edge with shallow relief slots, a valve seat carried by the casing, a valve stem guided with the casing for co-operation with the valve seat, and a weight applied directly to the valve stem.

1,537,146. REDECORATION PROCESS. CHARLES S. SINCLAIR, Cincinnati, Ohio, assignor to The R. P. Johnston Paint Company, Cincinnati, Ohio, a Corporation of Ohio. Filed July 9, 1923. Serial No. 650,220. 1 Claim. (Cl. 91—67.9.)



The process of renovating linoleum and the like comprising applying a ground covering to the wearing surface of the linoleum, stippling over the ground color, and varnishing over the ground color and stippling.

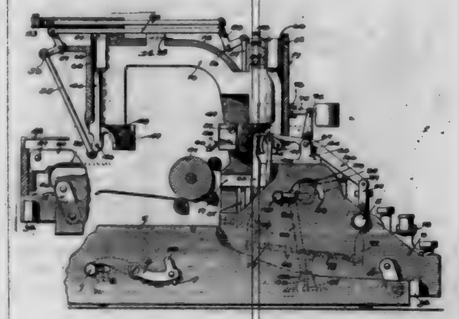
1,537,147. TYPEWRITER. JOEL SMITH, Moran, Mich. Filed Dec. 18, 1920. Serial No. 431,698. 33 Claims. (Cl. 197—26.)



1. A typewriter, including a type bar with a series of characters, a plurality of bar carriers pivoted to each other but progressively nearer the printing point, and a plurality of printing keys respectively in connection with the various carriers, for moving the type bar on any of the pivots accordingly as the keys are depressed causing corresponding characters to strike the printing point.

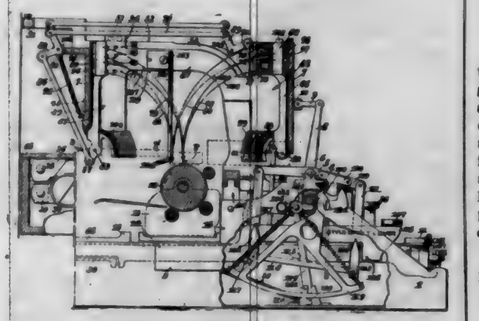
1,537,148. TYPEWRITER. JOEL SMITH, Moran, Mich. Filed Apr. 13, 1922. Serial No. 552,116. 29 Claims. (Cl. 197—26.)

1. A typewriter comprising a frame having type bars with capital and small letters in a plurality of type styles, a shoe having a platen, means to bodily shift the frame in respect to the shoe and platen so as to bring any one of the various type styles into registration



with the printing point, and means on the frame to shift the type bars for capital and small letter printing at each shifted position of the frame.

1,537,149. TYPEWRITER. JOEL SMITH, Moran, Mich. Filed Dec. 19, 1922. Serial No. 607,854. 14 Claims. (Cl. 197—26.)

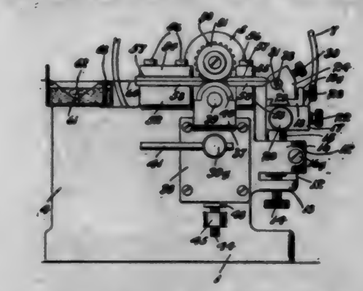


1. A typewriter having a platen, a type bar, upper and lower case printing characters in a plurality of type styles carried by the bar, means in which the type bar is mounted to operate to normally print lower case characters of one type style, a frame supporting said mounting means, means to shift said mounting means in respect to the frame to accordingly change the normal position of the type bar and move another one of said type styles in the position of registration with the printing point on the platen, and means to shift the platen in either condition of the mounting means and type bar to permit upper case character printing.

1,537,150. SPRING-WINDING MACHINE. FOSTER K. SOLLIDAY, Grand Rapids, Mich. Filed Sept. 5, 1922. Serial No. 586,105. 8 Claims. (Cl. 153—65.)

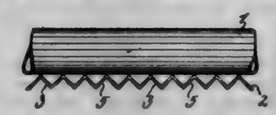
1. In a machine of the class described, a die comprising a horisontally positioned sleeve having a portion at one end cut away for a part of the length of the sleeve whereby there is formed a flat horisontal surface tangent to the inner curved surface of the sleeve and joining therewith, and a rod extending through the sleeve, said rod having a reduced portion of less diameter at the

said cut-away end of the sleeve and provided with an annular outwardly projecting rib spaced a short distance from the end of the larger part of the rod with an annu-



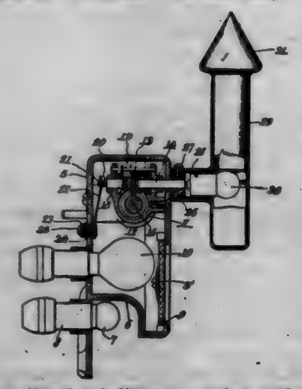
lar groove between said rib and the end of the larger portion of the rod, said groove being located immediately within the end of the sleeve at said cut-away portion thereof.

1,537,151. ILLUMINATING DEVICE FOR RELATIVELY LONG AND NARROW OBJECTS OR SURFACES. SAMUEL ANTON SØLLING, Aarhus, Denmark. Filed Sept. 12, 1924. Serial No. 737,314. 1 Claim. (Cl. 88—1.)



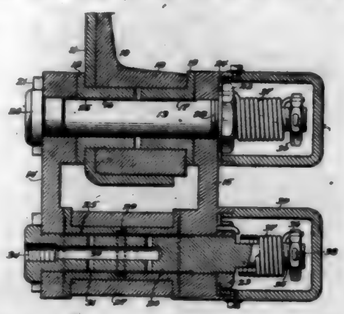
A railway gate or similar traffic preventing device in the form of a horizontally-pivoted arm of comparatively great length to extend across a roadway, provided with a strip of thin metal which is secured to and extends continuously along its length and is bent into zig-zag shape to form a continuous series of oblique facets, the individual facets being disposed transversely of the strip and substantially vertical to the roadway and having light-reflecting faces adapted to be illuminated by light projected against them from a light-source placed at an end of the strip.

1,537,152. DIRECTION INDICATOR. HOWARD W. SPUNG, Marietta, Ohio. Filed Aug. 11, 1924. Serial No. 731,414. 3 Claims. (Cl. 116—39.)



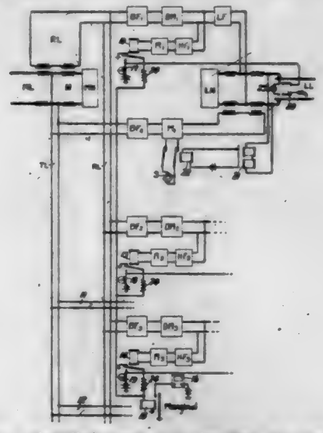
1. In a direction indicator, a casing, said casing having its lower wall curved upwardly and inwardly to provide a compartment, a lamp supported within the compartment, and an indicating member supported by the casing and adapted to be moved to indicate direction.

1,537,153. SELF-ADJUSTING SHACKLE. HENRY IVAN STRENGEL, New York, N. Y., assignor, by mesne assignments, to Uppercu Cadillac Corporation, New York, N. Y., a Corporation of New York. Filed Feb. 17, 1922. Serial No. 537,145. 5 Claims. (Cl. 267—64.)



1. In a spring shackle, the combination of mechanism for pivotally connecting an eye and link, said mechanism including clamping means acting rigidly for securing the eye and link against a separating movement in one direction and including an automatically acting adjustment tending constantly to act in the opposite direction to maintain the clamping effect of the mechanism and means for supplying lubricant to said mechanism.

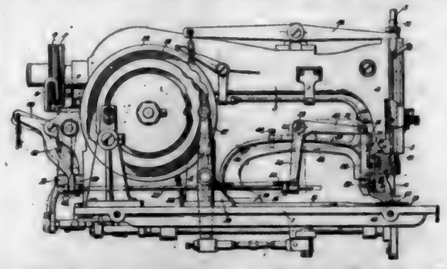
1,537,154. MULTIPLEX SIGNALING SYSTEM. WALLACE V. WOLFE, Corona, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 603,907. 9 Claims. (Cl. 179—15.)



1. In a signaling system a plurality of carrier wave transmission channels, means to transmit signals through the respective channels comprising means for withdrawing the respective carrier waves from transmission, and a signal device actuated only in response to the condition of withdrawal of the carrier wave existing simultaneously in a plurality of said channels.

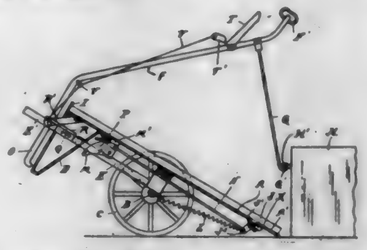
1,537,155. TACKING AND BARRING MACHINE. EDWARD B. ALLEN, Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 20, 1923. Serial No. 613,828. 8 Claims. (Cl. 112—76.)

1. A tacking and barring machine having, in combination, stitch-forming mechanism, a stop-motion device, manually operated means for throwing the stop-motion device to running position, a contractible work-clamp adapted to full in the work adjacent the sewing point,



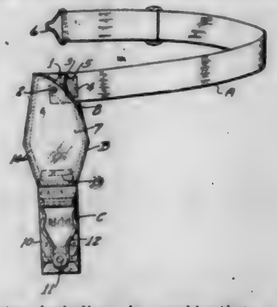
and means connected to be operated by the manually operated means for throwing the stop-motion device to running position, for contracting the work-clamp prior to sewing.

1,537,156. TRUCK. WALTER B. BAXTER, Detroit, Mich. Filed Jan. 29, 1923. Serial No. 615,599. 11 Claims. (Cl. 214—65.4.)



1. A truck comprising a pair of wheels, a tilting platform centrally mounted on said wheels so as to be substantially in balance, a draft handle pivotally mounted on said platform, and a member pivotally secured to said handle and adapted to engage the load for drawing the same upon the platform when the latter is in tilted position.

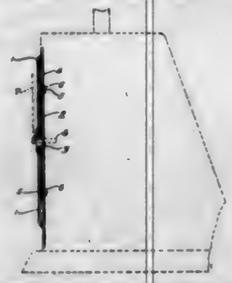
1,537,157. GARTER. JULIUS J. BLAIR, St. Louis, Mo., assignor to Blek Company, Manufacturers, St. Louis, Mo., a Corporation of Missouri. Filed July 26, 1923. Serial No. 653,939. 3 Claims. (Cl. 241—6.)



1. A garter including, in combination, a pad comprising a pair of superposed members fixed together, one of said members having an aperture, a leg-encircling band having an end fixed between the pad-members, a plate disposed upon said end of the band and concealed between the pad-members, a stud upon said plate protruding through said aperture, a loop carried by the other end of the band for detachable engagement upon

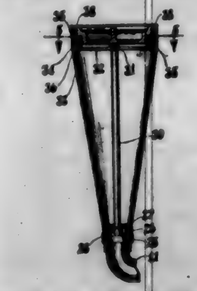
the pad with the stud, and means comprising a fabric section upon the plate and thread-stitches passed only through said fabric section and the band for independently fastening the plate to the band.

1,537,158. WEIGHING DEVICE. GEORGE E. CHATILLON, New York, N. Y. Filed Sept. 7, 1923. Serial No. 661,850. 1 Claim. (Cl. 116—129.)



In an adjustable zero weighing device, the combination of a frame having an opening, an indicator supporting shaft extending through said opening, a dished dial disc concentric with said shaft, and means for securing said disc in rotatable relation to the frame including a supporting plate attached to the frame and an eyelet concentric with said shaft and passing through said plate and said disc to retain peripheral portions of the disc in yielding engagement with the frame.

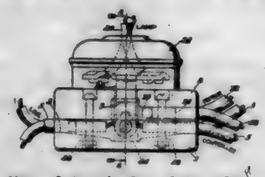
1,537,159. LUBRICATING ATTACHMENT FOR TRANSMISSION CASES. GEORGE W. CUMMINGS and GEORGE P. CUMMINGS, Elmhurst, N. Y. Filed Oct. 29, 1924. Serial No. 746,507. 5 Claims. (Cl. 184—105.)



5. In a device of the class described, a filler tube, a funnel seated on said tube, an upwardly seating valve closing the top of said tube, a stem on said valve extending upward through the funnel, a ring located in the upper end of the funnel and having a swivel engagement therewith, a crossbar extending across the said ring with which the upper end of said stem has a swivel engagement, a cap screwed into the upper end of said funnel, said cap and ring being formed respectively with opposite screw-threads, and connections between the cap and the ring whereby the latter is caused to be rotated in unison with the cap while permitting relative axial movement, said connections comprising tongues on the cap engaging grooves in the ring.

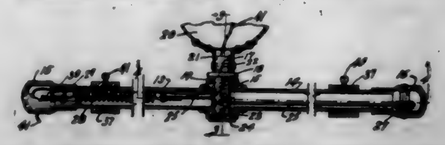
1,537,160. CONNECTER. FREDERICK DIEHL, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 24, 1924. Serial No. 688,335. 3 Claims. (Cl. 173—334.)

1. An electric cord holder and current tap comprising an insulating casing formed in two mating sections and having through passageways for a pair of line conductors, an anchor post within said casing around which an additional conductor may be looped to hold its emergent legs in juxtaposition to the emergent line conductors,



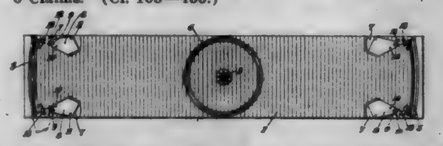
and a plurality of terminal sockets adapted to receive plug-connecter elements, said terminal sockets being disposed within said casing and connected with the respective line conductors.

1,537,161. DIRIGIBLE ROAD LAMP. JOHN P. EVERETT, Denver, Colo. Filed Nov. 2, 1923. Serial No. 672,395. 3 Claims. (Cl. 240—62.)



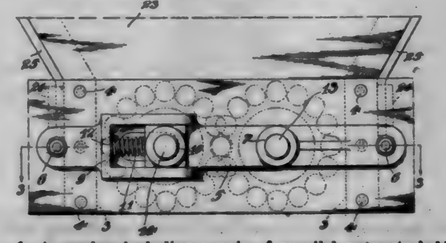
1. A dirigible headlight comprising a horizontal tube, arranged to be secured to an automobile; a vertical lamp supporting shaft rotatably mounted on said tube; a spring arranged in and secured to one extremity of said tube and a cable secured to said spring and surrounding said shaft and extending to connection with the steering mechanism of said automobile, said connection acting to rotate said shaft in one direction, said spring acting to rotate said shaft in the opposite direction.

1,537,162. FREIGHT CAR. CHARLES FOWLER, Beverly Farms, Mass. Filed July 15, 1922. Serial No. 575,301. 6 Claims. (Cl. 105—455.)



1. In a freight car having a floor, a turntable mounted for rotation above the floor, and bridging means to hold the car floor in a plane with an adjacent receiving platform.

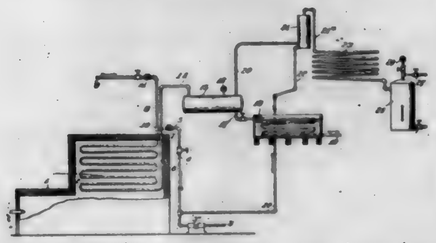
1,537,163. CRUSHER. ANTHONY P. GIUNTA and CHARLES P. GIUNTA, Philadelphia, Pa. Filed Apr. 28, 1924. Serial No. 709,440. 2 Claims. (Cl. 83—12.)



1. A crusher including a pair of parallel supports held apart by wall members, fixed and slidable bearings in the supports, a pair of cooperating rolls mounted between said wall members and each having its axis extending

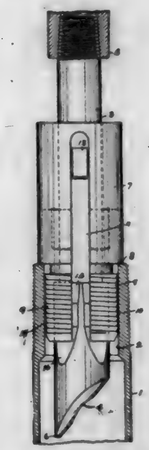
through said parallel supports, the axis of one roll being mounted in the fixed bearings and that of the other roll being mounted in the slidable bearings, and tie-rods extending through the bearings and parallel supports exteriorly of the wall members, substantially as described.

1,537,164. PROCESS FOR CRACKING HYDROCARBONS. WILLIAM L. GOMORY, Chicago, Ill., assignor to Clifford M. Leonard, Chicago, Ill. Filed Feb. 24, 1920. Serial No. 360,773. 1 Claim. (Cl. 196—63.)



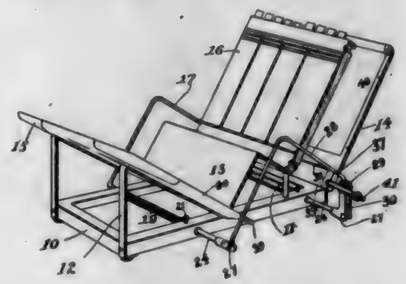
A continuous process for cracking hydrocarbons which consists in mixing steam with the oil to be cracked, continuously forcing the mixture under a pressure about one hundred and fifty pounds through a conduit heated to approximately 1000° F., the temperature and pressure being such as to permit about fifteen to twenty per cent of the hydrocarbons to remain in the liquid phase, passing all the products from said conduit to an enlarged space not directly heated and permitting the heavier, unvaporized hydrocarbons to separate therein without raising their temperature, separately condensing the less volatile and more volatile hydrocarbons and returning the former to the heating conduit.

1,537,165. PIPE PULLER. ELLSWORTH GRAY, Houston, Tex. Filed Sept. 15, 1923. Serial No. 662,951. 8 Claims. (Cl. 294—96.)



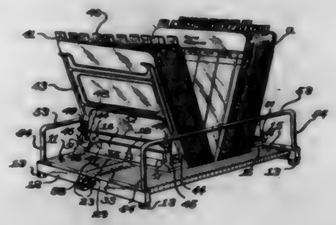
1. A pipe puller including a mandrel whose lower end is flared, a slidable sleeve thereon, having vertical slots and inside grooves extending at substantially right angles to said slots, lugs projecting from the mandrel and working in said slots and grooves, expansible pipe engaging means depending from said sleeve.

1,537,166. POSTING STAND. CHARLES R. HADLEY, Los Angeles, Calif.; Frank D. Barnhill and Pacific-Southwest Trust & Savings Bank, executors of said Charles R. Hadley, deceased, assignors to Charles R. Hadley Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 25, 1922. Serial No. 590,226. 4 Claims. (Cl. 45—57.)



2. In a posting stand, the combination of a base, a support mounted on the base to receive a loose leaf binder, a guide connected with one side of the base, members mounted in the base to shift laterally with respect thereto, an inverted substantially V-shaped guide pivoted at its ends to said shiftable members, means to hold the shiftable members in different positions of adjustment, and means to releasably hold the pivoted guide in position to engage a binder placed on the stand.

1,537,167. TRAY BINDER. CHARLES R. HADLEY, Los Angeles, Calif.; Frank D. Barnhill and Pacific-Southwest Trust & Savings Bank, executors of said Charles R. Hadley, deceased, assignors to Charles R. Hadley Company, Los Angeles, Calif., a Corporation of California. Filed Aug. 29, 1923. Serial No. 659,905. 8 Claims. (Cl. 129—16.)



1. A tray binder comprising a flat support having a slot, clamping members on the support, index guides between the clamping members having ears projecting into the slot and provided with holes, a rod detachably engaging the support and extending through the holes, and means to force one of the clamping members toward the other to clamp loose leaves between the guides.

4. The guide described comprising a sheet of relatively smooth paper, a tab projecting from one margin of the sheet, and friction strips secured to the faces of the sheet adjacent the opposite margin for the purpose described.

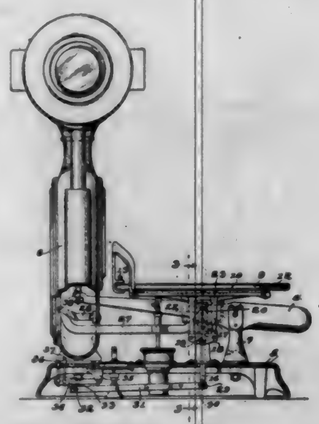
8. A tray binder comprising a flat support having sockets, clamping members on the support, one of said clamping members being adjustable toward and from the other clamping member, guide rods at opposite sides of the support provided with downwardly bent ends seated in the sockets, and screws to clamp said rods in the sockets.

1,537,168. TUBE-FORMING MACHINE. PRIMM R. HAWTHORNE, St. Louis, Mo., assignor to Abraham L. Levi, St. Louis, Mo. Filed Dec. 6, 1921. Serial No. 520,217. 14 Claims. (Cl. 113—33.)



1. In a flat-strip tube-forming machine, in combination, a movable carriage, a stationary die, jaws mounted on and movable with the carriage, a core mounted on and movable with the carriage and projecting axially through the die and between the jaws, the jaws being also movable relatively to the core and to each other for gripping the strip in tube form upon the core, and means for actuating the carriage with its carried jaws and core relatively to the die for pulling the strip upon the core through the die.

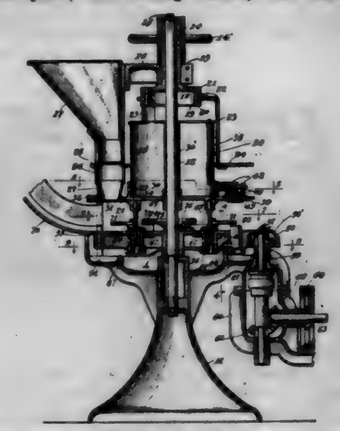
1,537,169. CHECK-LINK MECHANISM FOR WEIGHING SCALES. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Aug. 15, 1918. Serial No. 249,971. 14 Claims. (Cl. 265—71.)



1. A check link mechanism for scales, comprising a scale frame, a lever fulcrumed thereon, a platform supported by the lever at a point located at a distance from the lever fulcrum, a pair of spaced check links of equal length extending from the platform in the direction opposite that of the lever fulcrum and connected with the platform and scale frame, and pivoted link connecting means between said check links and said lever permitting free eccentric movement of said check links and said lever.

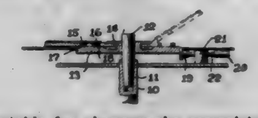
1,537,170. CAN-FILLING MACHINE. AUGUST HOLMQUIST, Sr., Hoopeston, Ill., assignor to Sprague Canning Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 13, 1919. Serial No. 282,475. 25 Claims. (Cl. 226—98.)

1. In a machine for filling cans, a plurality of movable filling material discharging means; means for moving said discharge means, one after another, in substantially the same path; can moving means; and means for



effecting relative movement between a can and said discharging means to secure successive registration of the can with each of said discharging means.

1,537,171. PHONOGRAPH. HAROLD J. KAYE, New York, N. Y. Filed Nov. 26, 1921, Serial No. 518,006. Renewed Mar. 20, 1924. 5 Claims. (Cl. 274—39.)



1. A turntable for phonographs comprising a rotatable member, detachable record engaging and supporting means, and means to prevent vertical displacement of the rotatable member engaging portion of the record engaging and supporting means.

1,537,172. HOLDER FOR PANS AND COVERS. RUDOLPH A. KOTTKE, Detroit, Mich. Filed Oct. 15, 1923. Serial No. 668,616. 5 Claims. (Cl. 211—17.)

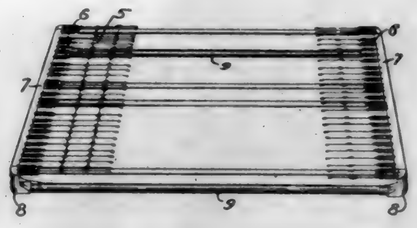


1. A holder for pans and covers comprising two complementary wire members, overlapping and slidably engaging each other, said members being downwardly bent at two opposite ends of said portions forming extensions, and being bent at the other opposite ends of said portions and at the end portions of said extensions, laterally from the common plane of said extensions and overlapping portions to form supports for the holder.

1,537,173. BED SPRING. MORRIS LIPPS, New York, N. Y. Filed Nov. 18, 1920. Serial No. 424,088. 1 Claim. (Cl. 5—205.)

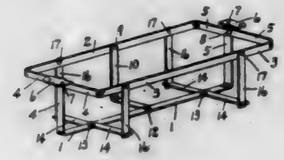
In a bed spring, a frame consisting of side bars, angled end bars and corner brackets, each of said corner

brackets being socketed to fit over the ends of the side bars and having vertical and horizontal raised seats for the ends of the angled end bars, a flange extending along the medial upper surface of the socket



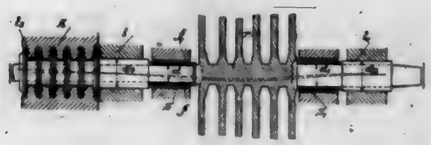
and rearwardly and upwardly therefrom to the raised seats, the vertical seat extending on both side of the flange and the horizontal seat terminating at the upper end of said flange.

1,537,174. HANGER BASKET AND BRACKET. SIGMUND LISKOW, Cincinnati, Ohio. Filed Aug. 1, 1921. Serial No. 488,981. 4 Claims. (Cl. 224—20.)



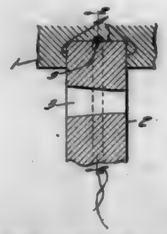
1. A basket including central and side longitudinally extending U-shaped members, each member consisting of a bar provided with end extensions, a pivot pin connecting all of the end extensions at one end of the basket together and another pivot pin connecting all of the end extensions at the other end of the basket together, supporting arms pivotally connected to said bars and provided with latching elements, the latching element of each supporting arm being adapted to engage the latching element of a complementary supporting arm to form transversely extending U-shaped parts to hold said U-shaped members in spaced position.

1,537,175. ELASTIC-FLUID TURBINE. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 4, 1923. Serial No. 655,721. 15 Claims. (Cl. 253—39.)



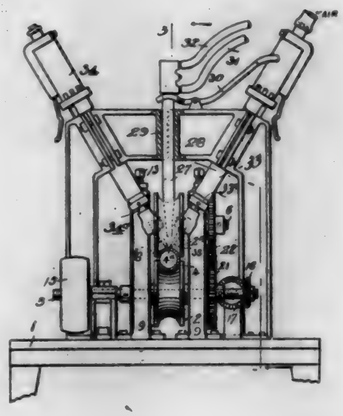
1. An elastic fluid multistage turbine comprising a single rotor, a rigid shaft for said rotor, glands for said rotor shaft, bearings for said rotor shaft and supporting means for reducing the deflection of said rotor shaft.

1,537,176. TURBINE CONSTRUCTION. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 15, 1924. Serial No. 732,305. 8 Claims. (Cl. 253—78.)



1. A steam turbine comprising a guide nozzle carrier or guide member carrier with a guide groove on the interior thereof and a guide nozzle member disposed in said groove with its surfaces abutting against certain surfaces of the groove and one of said members having a groove or channel communicating with the abutting surfaces and adapted to receive a rust soluble medium.

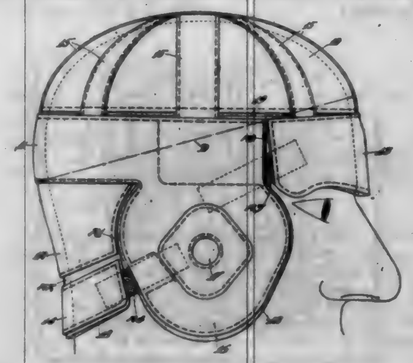
1,537,177. WELDING TUBES. GEORGE A. LUTZ, Cranford, N. J., assignor to American Circular Loom Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 26, 1922. Serial No. 577,517. 11 Claims. (Cl. 78—83.)



11. A machine for welding the meeting edges of a preformed metallic tube having an open seam comprising means to feed the tube, means to heat the tube along its seam, hammers located on opposite sides of the plane of the seam of the tube and at an angle to each other, and engines to actuate said hammers to cause the heated metal of the tube at the seam to contact.

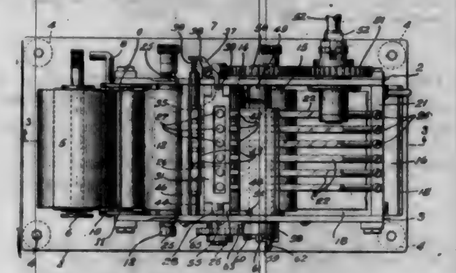
1,537,178. HELMET. JOHN E. MAYNARD, Plymouth, N. H., assignor to The Draper-Maynard Company, Plymouth, N. H., a Corporation of New Hampshire. Filed Oct. 11, 1923. Serial No. 667,985. 4 Claims. (Cl. 2—3.)

1. A helmet comprising a skull portion, ear flaps, movable forehead and neck flaps depending from said skull portion at the front and rear respectively, said neck flap being independent of said ear flaps, and means, including a resilient connection between said neck and



ear flaps, for resiliently drawing said forehead and neck flaps toward one another along lines located below the maximum diameter of the helmet.

1,537,179. MACHINE FOR TESTING RIBBONS AND CARBON PAPER. JACOB A. L. MÖLLER, New York, N. Y., assignor to Standard Products Corporation, a Corporation of New York. Filed Feb. 4, 1924. Serial No. 690,462. 5 Claims. (Cl. 79—51.)

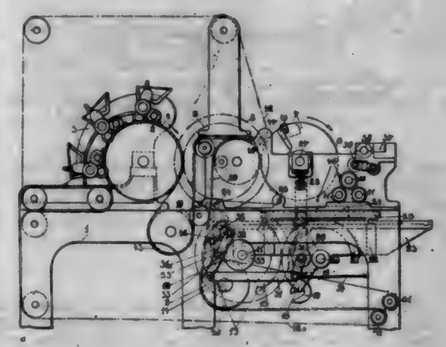


1. In a testing machine, the combination with individual type and a platen against which the type may strike; of a plunger for each type, means for causing each plunger to deliver a succession of blows to said type of uniform intensity including a spring for each plunger, and means for applying supplemental spring pressure of a definite intensity to each of said plungers to definitely vary the intensity of the blows struck.

1,537,180. COMBINED RULING AND HEAD-PRINTING MACHINE. MAX MÜLLER, Leipzig, Germany, assignor to the Firm: Böttcher & Müller, Leipzig, Germany. Filed Mar. 14, 1923. Serial No. 625,130. 4 Claims. (Cl. 101—214.)

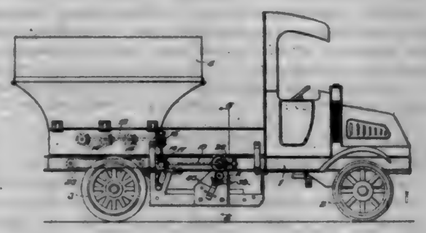
1. A combined ruling and head printing machine, comprising, in combination, a ruling machine having an elongated frame; an impression cylinder and a printing-machine slide arranged closely to the cylinder of said ruling machine in said elongated frame; intermediate wheels so arranged as to be adapted to be driven by said ruling cylinder and to transfer the motion to said impression cylinder and to the members actuating said slide; a shaft driving the printing-machine slide; two cogged sectors secured to one end of said shaft; lugs

extending forth from said sectors and having each at each end a cycloideshaped cut-out; two cogged segments so arranged as to be adapted to co-operate alternately with the first-mentioned sectors and to move in contrary directions; rolls attached to the ends of said segments



and of which that advancing at the time being is adapted to engage the cut-out of the adjacent sector and to initiate the movement of the slide driving shaft, whereas the other roll is adapted to co-operate with the corresponding adjacent segment and to retard the movement of said shaft, substantially as described.

1,537,181. DISTRIBUTING TRUCK. FRANK L. NAPIER, St. Joseph, and NELSON W. NAPIER, Benton Harbor, Mich. Filed Oct. 13, 1919. Serial No. 330,334. 6 Claims. (Cl. 94—44.)

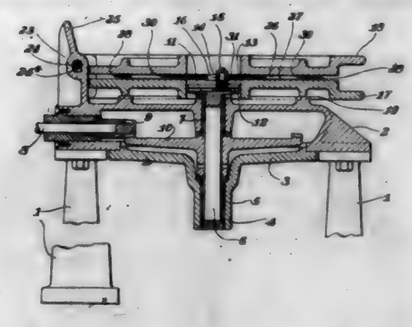


1. In a distributing truck adapted for spreading loose paving materials in a sheet or layer on the ground, the combination of a hopper for the materials, instrumentalities disposed below the plane of the hopper and having means to spread the loose materials in a horizontally disposed flat sheet and operative to carry and gradually feed said sheet by continuous motion thereof to the surface of the ground, while the truck is travelling along the street, including at least one forwardly travelling belt for supporting said sheet of materials, so that the sheet travels forward faster than the truck, feed mechanism in the bottom of said hopper to discharge the materials at different points longitudinally thereof to spread them over said belt, and means to operate said belt.

1,537,182. LAPPING MACHINE. HARRY L. NICHOLSON, Wilmerding, Pa. Filed Feb. 15, 1924. Serial No. 692,986. 5 Claims. (Cl. 51—161.)

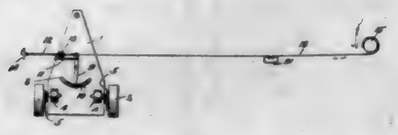
5. In combination in a lapping machine, lapping means in the form of a pair of opposing plates having annular abrading surfaces, carrier means for the articles to be

lapped in the form of a perforated plate mounted between said pair of plates, and crank means having a connection with one of said means and adapted to give



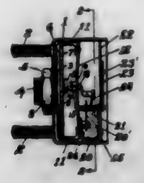
it an eccentric circular movement, the said connection being constructed so as to permit of a very substantial amount of lost motion between said crank means and said means.

1,537,183. AGRICULTURAL MACHINE. JOSEPH S. O'HARA, Romney, W. Va. Filed Jan. 3, 1925. Serial No. 461. 8 Claims. (Cl. 191—12.)



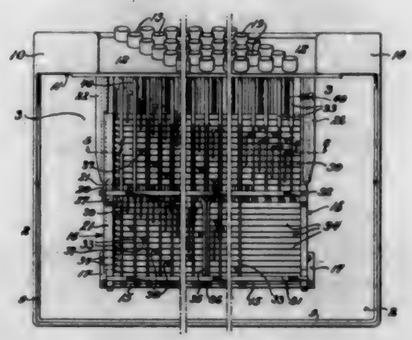
1. The combination with a tractor having separate propelling wheels, and separate power units for driving the respective wheels, of anchored means connected to the tractor and operated by the tractor while in motion for controlling the operation of the respective power units to propel the tractor along a predetermined path.

1,537,184. PRESSURE GAUGE. JOHN R. PADESKY, La Crosse, Wis., assignor to National Gauge & Equipment Company, La Crosse, Wis., a Corporation of Wisconsin. Filed May 2, 1924. Serial No. 710,642. 3 Claims. (Cl. 73—110.)



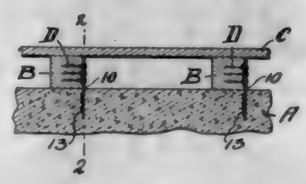
1. In a gauge, a pressure responsive element, a spindle mounted to oscillate, an indicator hand on said spindle, a support, a finger pivoted to said support, a crank arm connected with said finger and cooperating with said pressure element, a flexible connection between the free end of said finger and said spindle, and a spring connected with said spindle for holding said indicator hand in zero position, said support being of bendable material whereby bending of the support serves to cause the crank arm, by contact with said pressure responsive element, to oscillate said finger and take up slack in said flexible connection.

1,537,185. BASS-KEY MECHANISM FOR ACCORDIONS. JAMES PALMER, Philadelphia, Pa. Filed Sept. 22, 1922. Serial No. 589,896. 12 Claims. (Cl. 84—376.)



3. In an accordion, a bass casing having a partition and sloping faces adjacent its front side; sound making means mounted on the partition; a support removably mounted on the partition and provided with adjustable extensions; a key plate secured to the extensions and engaging the sloping faces, and bass key mechanism for controlling the sound making means mounted on the support and having its keys passing through the plate, whereby the support and key plate may be collapsed to clear the sloping faces and removed with the bass key mechanism as a unit.

1,537,186. UNIVERSAL ANCHORING TIE. JOHN E. PARRISH, Richmond, Va. Filed Sept. 17, 1924. Serial No. 738,286. 2 Claims. (Cl. 72—101.)



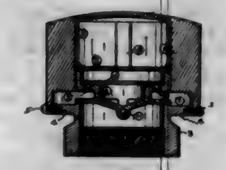
2. In combination, a concrete base, a screed and a tie plate connecting the base and screed having a plurality of groups of concentered prongs, each prong having its tip portion outbent at one side of the plate and its base portion disposed in the plane of the plate whereby at each prong group a central opening is produced defined at one side of the plate by outstanding prong tips and in the plane of the plate by resilient tongues formed by said base portions, said tie plate being partially embedded in said base and projecting from the base for engagement with the screed, the openings of the embedded portion of the tie plate promoting bonding of the material of the base at opposite sides of the plate, the prong tips providing anchoring means, the resilient tongues surrounding the openings of that portion of the plate confronting the screed providing means for gripping a securing element entered through the associated opening while being driven, the prong tips of the portion of the plate confronting the screed entering the screed as the securing elements are driven home to thereby provide additional securing means connecting the tie plate to the screed.

1,537,187. TRAIN-ACTUATED SIGNAL FOR ROAD AND STREET CROSSINGS. SAM PAVILLARD, Decatur, Tex. Filed Nov. 3, 1924. Serial No. 747,547. 5 Claims. (Cl. 246—294.)



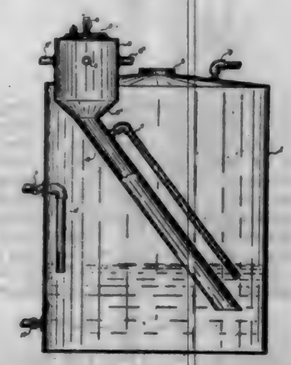
1. Signaling apparatus for street and road crossings comprising a revolving shaft and signaling devices revolving therewith, sounding devices consisting of a bell and a spring actuated striker co-operating with said signaling devices, arms actuated by said shaft, pivoted bearers carried by said arms for operating said striker, and means to be actuated by the wheels of a passing train for driving said shaft.

1,537,188. PRESSURE-RELEASE VALVE. OTTO A. PETERS, Wichita Falls, Tex. Filed July 21, 1923. Serial No. 652,998. 2 Claims. (Cl. 137—53.)



1. A release valve of the character described, comprising a cylinder, a spider connection attached to said cylinder, a valve seated on said spider connection, an apertured member in said valve, a disc slidably mounted on said apertured member.

1,537,189. OIL-FLOW TANK. OTTO A. PETERS, Wichita Falls, Tex. Filed Mar. 7, 1924. Serial No. 697,549. 4 Claims. (Cl. 220—86.)

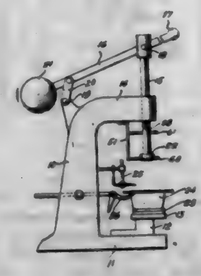


1. In an oil flow tank of the character described, the combination of a tank, a housing mounted on said tank, a plurality of tubular members attached to said housing exteriorly of said tank, a tubular member attached to the bottom of said housing and extending downwardly in said tank, and a second tubular member attached to the first mentioned tubular member near the upper end thereof to provide for release of gas pressure.

1,537,190. FUEL BRIQUETTE. EMIL PIRON, New York, N. Y., assignor to Piron Coal Distillation Systems, Inc., New York, N. Y., a Corporation of Delaware. Filed Sept. 24, 1923. Serial No. 664,605. 1 Claim. (Cl. 44—24.)

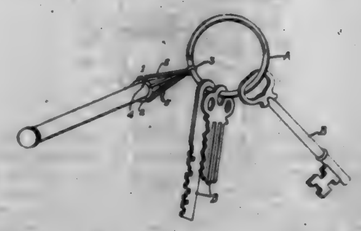
A fuel briquette comprising a mass of pulverized coke mixed with sulphite liquor and enclosed in a layer of carbonized tar.

1,537,191. HAT MARKING. RALPH K. REYNOLDS, Danbury, Conn., assignor to Mallory Hat Company, Danbury, Conn., a Corporation of Connecticut. Filed Oct. 19, 1923. Serial No. 669,480. 29 Claims. (Cl. 101—41.)



1. In hat marking apparatus, in combination, means adapted to support a hat in inverted position, a printing die mounted for vertical movement into and out of engagement with the inner surface of the crown of said inverted hat, means for moving said die, and a member substantially embracing the path of movement of said die at a point above said hat and having a smooth lower face across which an inking roller is adapted to be drawn contacting the operative surface of said die to ink the same subsequently to the positioning of said hat in inverted position for printing thereon.

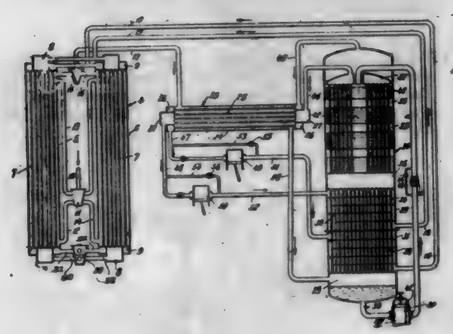
1,537,192. PENCIL-HOLDING DEVICE FOR KEY RINGS. CHARLES M. RICH, St. Louis, Mo. Filed Dec. 5, 1923. Serial No. 678,629. 3 Claims. (Cl. 24—255.)



1. A pencil-holding device adapted to be attached to a key ring, comprising a member having an intermediate portion, a split ring rigidly fixed to said intermediate portion at one of its ends and a second ring rigidly fixed to said intermediate portion at the opposite end

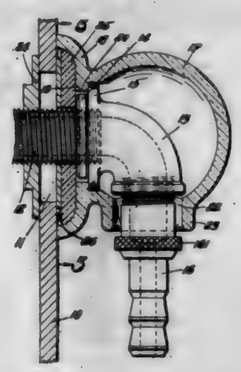
thereof, the last mentioned ring being adapted to receive the key ring to which said pencil-holding device is attached and said split ring being adapted to grip the pencil.

1,537,193. LIQUEFYING GASES. MONTAGUE H. ROBERTS, Jersey City, N. J., and CLAUDE C. VAN NUYS, New York, N. Y., assignors to Air Reduction Company, Inc., a Corporation of New York. Filed Mar. 4, 1919. Serial No. 280,515. 23 Claims. (Cl. 183—115.)



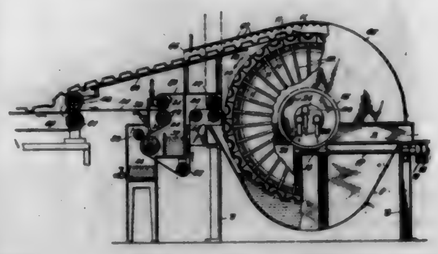
1. In the liquefaction of gases, the method which comprises, liquefying a portion of the incoming compressed gas, separating the liquid and withdrawing the unliquefied portion, evaporating the liquid while maintaining a substantial pressure thereon by heat interchange with the incoming gas to liquefy a portion thereof, expanding the evaporation product and causing the expanded product to cool the incoming gas before it is subjected to heat interchange with the evaporating liquid.

1,537,194. SPOUT AND HOUSING. ALFRED ROGERS, Milton, Mass. Filed Mar. 5, 1921. Serial No. 450,076. 13 Claims. (Cl. 137—111.)



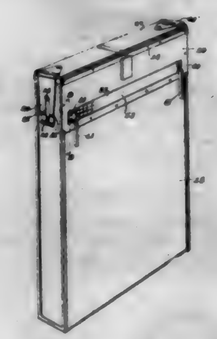
4. A fitting for bath tubs and the like having a wall, comprising a housing having an aperture encircled by a flange to abut said wall and a second aperture at an angle thereto, an elbow-shaped spout enclosed by said housing with its inner and outer ends registering with said apertures respectively and having means for clamping said flange against said wall.

1,537,195. APPARATUS FOR FILTERING AND FOR FORMING ARTICLES FROM PULP SOLUTIONS. ORANGE J. SALISBURY, Salt Lake City, Utah. Filed Sept. 13, 1921. Serial No. 500,300. 5 Claims. (Cl. 92—42.)



5. Means for the continuous production of articles from pulp, comprising a suction drum, an article shaping surface on the drum, a pulp tank, and a web, interposed between the article shaping surface and the pulp in the tank, and means to rotate the drum and web in the tank.

1,537,196. MOVING-PICTURE-FILM CONTAINER. HERMAN C. SCHLICKER, Milwaukee, Wis., assignor of one-half to John R. Freuler, Milwaukee, Wis. Filed Nov. 8, 1919. Serial No. 336,703. 10 Claims. (Cl. 88—17.)



1. A moving picture film container, comprising a casing having a filling opening and an elongated side exposure opening, said exposure opening being in the side portion of the casing of greatest width, means for automatically closing said exposure opening and removable means for holding a film in endless formation within the casing and permitting it to be rotated in a direction transversely to and in register with the exposure opening to expose portions thereof while extending in straight lines between opposite end portions of the casing in consecutive order through said exposure opening.

1,537,197. JOINT OR COUPLING FOR POSTS. OSKAR SCHUBERT, Freiburg, Germany, assignor to Gebr. Himmelsbach Aktiengesellschaft, Freiburg, Germany. Filed Jan. 13, 1925. Serial No. 2,240. 3 Claims. (Cl. 20—99.)

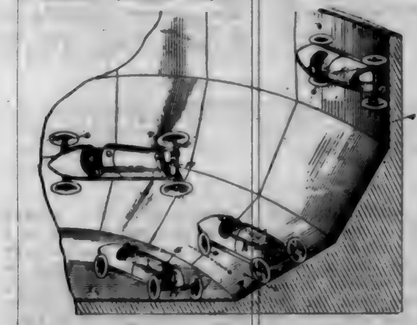
1. A metal coupling plate for the purpose set forth, curved and folded along two parallel edges parallel

with the axis of curvature, the folded portions forming bends at the bends and lying in part against the con-



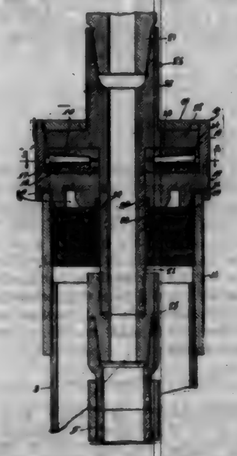
cave face of the plate, and the inner edges of said folded parts being bent away from said concave face to form flanges.

1,537,198. MINIATURE AUTOMOBILE FOR EXHIBITION PURPOSES. WILLIAM EDWARD SOLDNER, Salina, Kans. Filed Apr. 12, 1924. Serial No. 706,215. 11 Claims. (Cl. 180—1.)



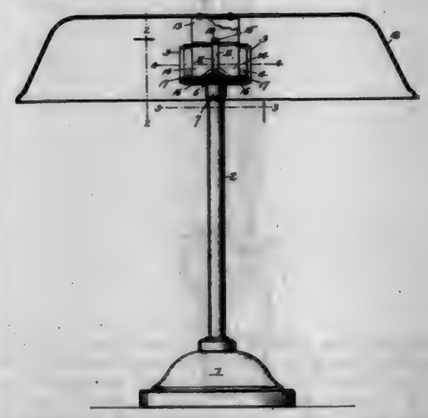
1. A device of the character described comprising a vehicle having a rear wheel and a front steering wheel, steering means attached to the front wheel, and means upon which gravity or centrifugal force has a predominating influence according to the speed of the vehicle to automatically operate the steering wheel and thus guide the vehicle.

1,537,199. ROTARY MUDDING CLAMP AND METHOD OF MUDDING WELLS. HALE B. SOYSTER and HARVEY W. LEE, Los Angeles, Calif. Filed Oct. 3, 1922. Serial No. 592,102. 6 Claims. (Cl. 61—36.)



1. A process of mudding a porous formation below the casing of a well which comprises forcing mud through a string of pipe to said formation while rotating said pipe and while maintaining the upper end of the casing sealed.

1,537,200. ELECTRIC LAMP. WILLIAM H. SPENCER, Bogota, N. J., assignor to I. P. Frink Inc., New York, N. Y., a Corporation of New York. Filed Apr. 4, 1924. Serial No. 704,158. 6 Claims. (Cl. 240—128.)



6. The combination with a double ended lamp socket, of a reflector therefor, said lamp socket and reflector having a yieldable clamping connection permitting angular adjustment of the reflector about the axis of said lamp socket and relatively slidable guiding surfaces extending circumferentially around the axis of said lamp socket.

1,537,201. DUMPING SAND PUMP. FRED SWAN, Marietta, Ohio. Filed July 3, 1923, Serial No. 649,340. Renewed Apr. 8, 1925. 12 Claims. (Cl. 166—19.)



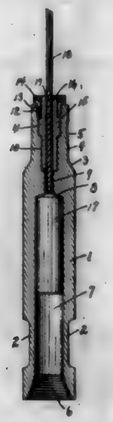
1. In a device of the character described, a hollow cylinder adapted to be raised and lowered in a well hole provided at its lower end with means for carrying an upwardly opening valve comprising oppositely arranged members adapted to together form a cylindrical tube, one of said members being so hinged to the other on an axis at right angles to the axis of the cylinder that its lower end may be swung away from the lower end of the other member, and a valve seat provided with a valve and carried by the hinged member adapted to fit against the interior face of the said other member when the hinged member is in closed position.

1,537,202. CLAMPING RING FOR EXPANSIBLE TOOLS. FRED SWAN, Marietta, Ohio. Filed Feb. 9, 1924, Serial No. 691,725. Renewed Apr. 3, 1925. 5 Claims. (Cl. 255—74.)



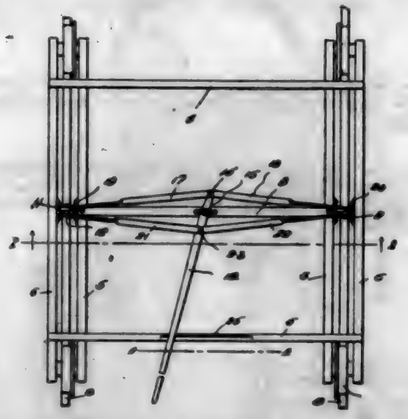
1. A clamp for well drilling tools adapted to enclose expansible cutters and hold them in closed position comprising a ring having its inner diameter substantially that of the inner diameter of the well casing, adapted to rest upon the upper edge of the coupling at the upper end of the casing and provided with means for engaging said coupling to hold it concentric therewith.

1,537,203. SWIVEL JAR WIRE-ROPE SOCKET. FRED SWAN, Marietta, Ohio. Filed Aug. 7, 1924. Serial No. 730,561. 3 Claims. (Cl. 24—123.)



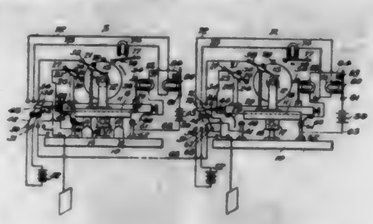
1. In a swiveling jarring device for well drilling apparatus comprising a body provided with a relatively large cylindrical bore adapted to receive a cylindrical jar or piston extending upward in said body and terminating in an annular shoulder, and also provided with a rope guiding bore extending upward from said shoulder having the portion immediately above said shoulder of relatively small diameter and having its upper portion of greater diameter, and a bushing having an opening through it for the drill rope secured in said portion of the rope guiding bore of greater diameter.

1,537,204. BRAKE FOR RAILWAY ROLLING STOCK. EARL S. SWARTZBAUGH, West Helena, Ark. Filed Sept. 15, 1923. Serial No. 662,810. 1 Claim. (Cl. 188—48.)



In combination with a wheeled truck of a railway vehicle, a cross bar mounted thereon and provided at a point midway between its ends with a longitudinally disposed slot, a lever having a fulcrum pin which is loosely received in said slot, clamping jaws pivotally mounted upon the truck at the opposite ends of the cross bar and links pivotally connected at their inner ends with the lever and pivotally connected at their outer ends with the clamping jaw.

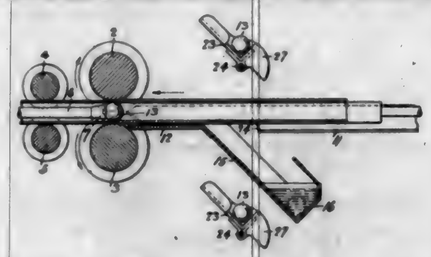
1,537,205. FACSIMILE TELEGRAPH. LUDWIG TSCHÖRNER, Vienna, Austria, and NICHOLAS SANDOR, Dresden, Germany. Filed Oct. 30, 1920. Serial No. 420,679. 9 Claims. (Cl. 178—13.)



1. A facsimile telegraph apparatus comprising a base; a cylinder rotatably mounted on said base; a slide carrier slidably mounted on said base and adapted to slide in a direction parallel with the axis of said cylinder; a slide member slidably mounted on said slide carrier and adapted to slide transversely to the direction of movement of the slide carrier; a sending instrument mounted on said slide member; and a receiving instrument mounted on said slide member, said instruments being mounted so that not more than one can be in operative relation with said cylinder.

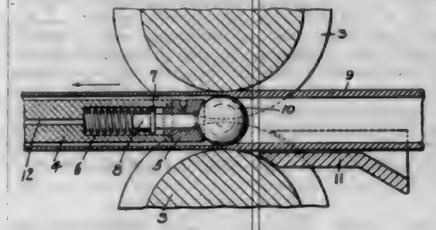
1,537,206. TUBE-ROLLING METHOD AND APPARATUS. MALCOLM U. WIKSTROM, Pittsburgh, Pa. Filed Mar. 17, 1923. Serial No. 625,771. 8 Claims. (Cl. 80—11.)

8. In apparatus for making seamless tubing, the combination with rolls, of a mandrel-bar, a spherical plug adapted to engage said mandrel-bar, a guide in front of said rolls, a rocking delivery device adapted to deposit the plug on said guide, a downwardly extending chute communicating with said guide, an inclined trough communicating with said delivery device, means for



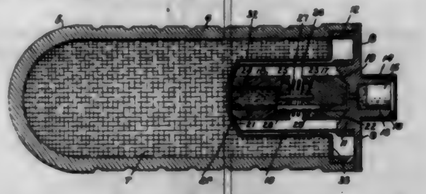
delivering the plug from said chute into said trough, and means carried by said delivery device for closing the end of said trough adjacent said delivery device.

1,537,207. APPARATUS FOR FORMING METAL TUBES. MALCOLM U. WIKSTROM, Detroit, Mich. Filed Aug. 22, 1924. Serial No. 733,586. 4 Claims. (Cl. 80—11.)



4. The combination with rolls for forming tubes, of a mandrel bar, a plug movable into the pass of the rolls, and resilient means placed under stress upon advance movement of said plug into said pass, for returning said plug to position.

1,537,208. PERCUSSION FUSE. SAMUEL WILEY, Metuchen, N. J. Filed Nov. 8, 1923. Serial No. 673,446. 2 Claims. (Cl. 102—39.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



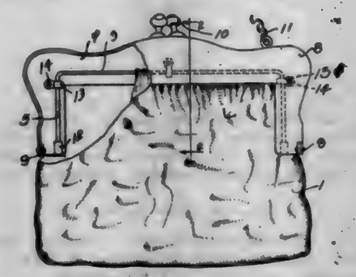
1. A fuse for propectiles embodying an outer member provided with a flange adapted to be threaded into the projectile, a container dependent from said outer member and adapted to extend within the projectile, a primer in the outer member, a plurality of normally separated blocks capable of relative axial movement mounted in the container, resilient means interposed between the blocks to maintain the blocks apart in flight, an exploding charge in one of the blocks, a striker in the other of the blocks adapted to be thrown against the exploding charge on impact, a pin in one of said blocks, a delay charge in the other of the blocks, said pin and charge adapted to co-operate to prevent relative movement of the blocks until a predetermined time in flight has elapsed, said delay charge being adapted to be ignited by the primer.

1,537,209. DISK WHEEL. JOHN F. WILMOT, Detroit, Mich. Filed Feb. 19, 1923. Serial No. 619,872. 10 Claims. (Cl. 301—63.)



6. In a vehicle road wheel, a wheel body consisting of a hub and a metal disk formed of a series of disks of consecutively greater diameter all secured together at the hub and each disk of smaller diameter being welded at the periphery only to the disk of next greater diameter, the assembled disks being shaped to provide a concavo-convex central portion gradually merging into a reversely bent arcuate peripheral portion providing a flat cylindrical surface at the periphery of the disk of largest diameter, a rim fitting the said portion, said rim having a series of bolt apertures, the axes of which are parallel with the center plane of the rim, and bolts extending through the periphery of the disk supporting the rim thereon.

1,537,210. HAND BAG. RUBY O. WOOD, Spokane, Wash. Filed May 24, 1924. Serial No. 715,566. 3 Claims. (Cl. 150—29.)

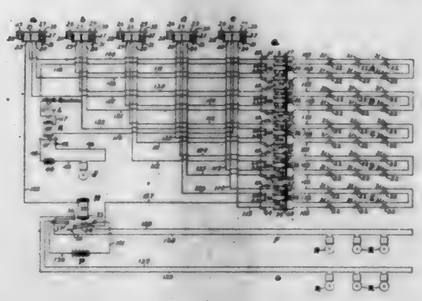


1. The combination with a pair of hinged U-shaped frame plates, of a pair of U-bars adapted to suspend a bag, supporting sockets on said plates to receive the ends of said bars, and releasable means on the plates for retaining said bars.

1,537,211. SIGNALING SYSTEM. JOHN H. WOOTTON, New York, N. Y. Filed Sept. 7, 1922. Serial No. 586,736. 11 Claims. (Cl. 177—355.)

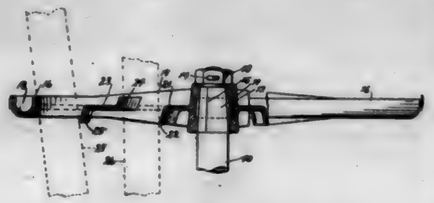
1. In a signaling system, a signal circuit comprising two parallel loops, a high resistance connection between one end of one of said loops and the opposite end of the other thereof, signal manifesting means arranged for response to variations of current flow through said connection, a current source and signal manifesting means connected between the remaining ends of said loops, signal devices each having a differentially wound electromagnet, magnet windings of succeeding devices connected in alternate ones of said loops, and circuit controllers

each having normally open closable contacts serially connected in one and the other of said loops, respectively, at adjacent portions thereof, one of the contacts of each



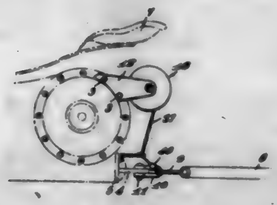
controller connected in a portion of one or the other of said loops which is situated between the differential magnet windings of one or another of said signal devices.

1,537,212. HAND-BRAKE WHEEL. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 752,534. 6 Claims. (Cl. 74—33.)



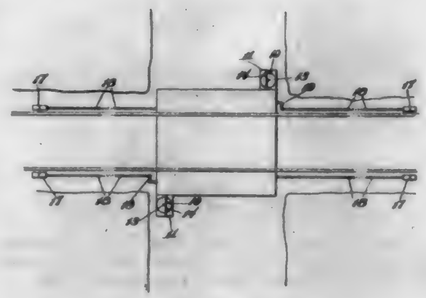
1. In a brake mechanism, a brake shaft and a brake wheel having a hub mounted on the shaft, a rim, spokes connecting the hub and the rim, and means dividing the spaces between the spokes into such narrow portions as to prevent the brakeman's club from being inserted through the wheel and into engagement with the shaft.

1,537,213. EXTENSION HITCH. WILLIAM JEROME WYLIE, Columbia, Miss. Filed May 2, 1924. Serial No. 710,610. 4 Claims. (Cl. 280—33.14.)



1. In a device of the class described, a drum, means for mounting the drum for rotation on a tractor, a guide, means for mounting the guide on a tractor, a tow line slidable in the guide and wound about the drum, and spring means for rotating the drum to wind the tow line thereon.

1,537,214. RAILWAY SIGNALING APPARATUS. LEWIS A. YOUNG, Bigelow, Kans. Filed Oct. 21, 1924. Serial No. 744,965. 4 Claims. (Cl. 246—293.)

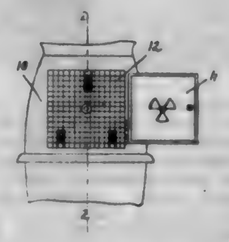


1. In combination, a signal capable of limited rotation and a trip for operating the signal rigidly connected therewith whereby said signal limits the operation of the trip, said trip being mounted for oscillation and embodying a pair of arms adapted to be alternately disposed in the path of a train-carried member, each of said arms being formed in two section, one of which is adapted for engagement by the train-carried member, said section being yieldably mounted to permit passage of the train-carried member upon engagement of the train-carried member therewith in one direction without operation of the trip and being rigid to its associated arm upon engagement of the train-carried member therewith in the opposite direction whereby to cause operation of the trip.

1,537,215. TREATING ORES, CONCENTRATES, SANDS, AND OTHER MATERIALS CARRYING VALUES. LESLIE W. AUSTIN, San Jose, Calif., assignor of one-half to Peron W. Lee, Sacramento, Calif. Filed Sept. 2, 1924. Serial No. 735,488. 3 Claims. (Cl. 83—67.)

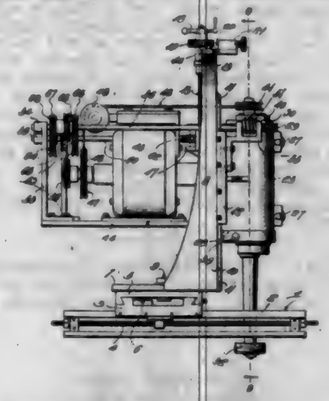
2. The treatment of ores, concentrates, sands, and other materials carrying values with an amalgam consisting of sodium, zinc and mercury, the sodium not exceeding 10% of the weight of the mercury and the zinc not exceeding 15% of said weight.

1,537,216. PROTECTIVE SCREEN. DAVID S. BAGBY, La Belle, Mo. Filed June 23, 1922. Serial No. 570,357. 2 Claims. (Cl. 126—190.)



1. A device of the character described comprising a resilient metallic reticulated sheet adapted to overlie the door opening of the fire-box of a stove, and having its edges projecting beyond such opening, a plurality of clamping strips secured to the recticulated sheet and having offset ends adapted to engage the inner face of the side walls of the stove.

1,537,217. CYLINDER-GRINDING MACHINE. JAMES BALLOU and GEORGE W. BALLOU, Little Rock, Ark. Filed Mar. 12, 1923. Serial No. 624,622. 6 Claims. (Cl. 51—245.)



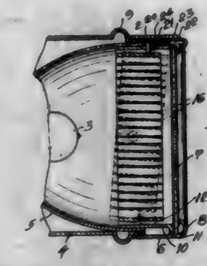
1. A cylinder grinding machine comprising a vertical guideway having two laterally spaced vertical tracks, a carriage slidably engaged with said tracks and spanning the space between them, cylinder grinding means carried by said carriage at one side of said tracks, a horizontal plate secured at one end to the side of the carriage remote from the grinding means, said plate passing between said vertical tracks and projecting from the side thereof remote from said grinding means, an electric motor mounted on said plate, and driving connections between said motor and said grinding means.

1,537,218. MUSICAL TOY. JEROME BARTOLOWSKY, Oakland, Calif. Filed Feb. 11, 1922. Serial No. 536,893. 3 Claims. (Cl. 46—46.)



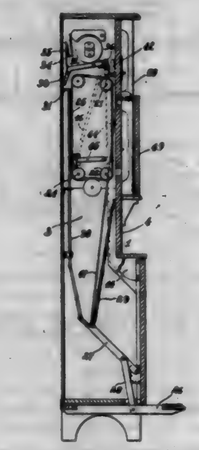
1. A toy comprising a pair of telescoping members, an air chamber in the outer end of the outer member, a musical element in the inner end of said air chamber, the outer end of said chamber being provided with openings, a rod extending diametrically through the outer part of said air chamber on which the toy is turnably journaled, a handle on said rod, a connecting element connected to said rod, a connecting element connected to the lower end of the inner telescoping member, and an elastic band connected at its ends to said connecting elements respectively.

1,537,219. HEADLIGHT. EVAN BENO, Spokane, Wash. Filed May 24, 1924. Serial No. 715,547. 6 Claims. (Cl. 240—45.2.)



1. The combination with a headlight and a bearing sleeve therein, of a ring having trunnions journaled in the sleeve, fixed parallel horizontally disposed slats in said ring each having an upper non-reflecting face and a lower reflecting surface, and means for adjusting and retaining said ring in a tilted position, and additional means for tilting beyond the adjusted position.

1,537,220. COIN-CONTROL TOWEL CABINET. JOSEPH N. BORROUGHS, Oakland, Calif. Filed July 24, 1922. Serial No. 577,015. 4 Claims. (Cl. 45—32.)

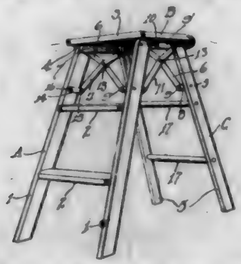


1. A coin controlled towel dispensing device comprising a cabinet, a towel supply roller journaled in said cabinet, a pair of feed rollers journaled in said cabinet, a pair of pressure rollers cooperating with said feed rollers, said pressure rollers being mounted on a pair of pivoted arms, means to normally spread said arms apart, means for forcing said arms toward each other against the action of said last-mentioned means, and coin-controlled means for rotating said feed rollers.

1,537,221. LADDER STOOL. GEORGE H. BUGENHAGEN, Minot, N. Dak. Filed Apr. 17, 1924. Serial No. 707,218. 3 Claims. (Cl. 228—2.)

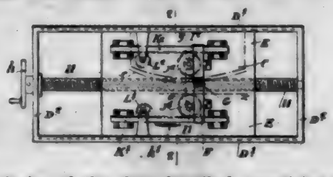
1. A ladder stool comprising a ladder portion, a seat pivotally secured to said ladder portion, supporting legs for said seat and means including links connecting said ladder portion, seat, and legs together, said means

being adapted to swing said ladder portion, seat, and legs into parallel relation with respect to each other, and to swing said legs away from said ladder portion, and



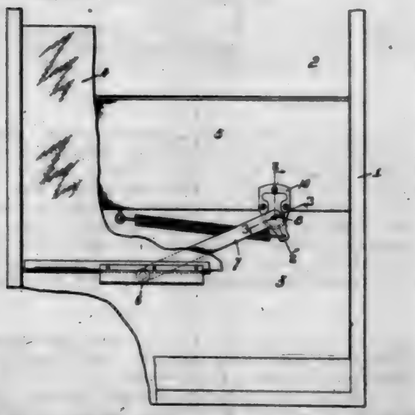
into a position to support said seat, certain of said links being disposed in alignment with each other when said legs are in extended position, whereby said legs are locked in extended position.

1,537,222. MECHANISM FOR TRANSFORMING A DISPLACEMENT OF A MEMBER INTO AN INVERSELY PROPORTIONAL DISPLACEMENT OF ANOTHER MEMBER. ANTOINE CASTELLANI, Paris, France, assignor to Societe d'Optique et de Mecanique de Haute Precision, Paris, France, a Limited Joint Stock Company. Filed Nov. 3, 1923. Serial No. 672,689. 10 Claims. (Cl. 74—14.)



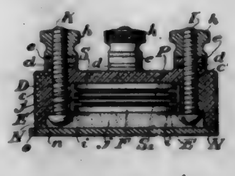
2. A device of the class described comprising a movable carriage, a roller operatively connected to said carriage, a cam engaged by said roller, a pair of driven elements, and means operatively connected to said roller for moving said elements through distances that are inversely proportional.

1,537,223. WINDOW-CONTROL MECHANISM. ANGELO ROBERT CLAS, Toledo, Ohio, assignor to The Toledo Automotive Products Company, a Corporation of Ohio. Filed Sept. 24, 1923. Serial No. 664,354. 3 Claims. (Cl. 192—8.)



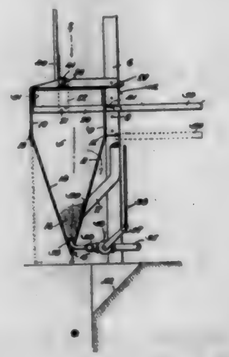
1. In a window control mechanism, a driven shaft in operative connection with an associated window member and having a peripheral projection on a part thereof, a rotatable control member sleeved over the shaft and having an opening in which the shaft projection extends for limited movements in either direction relative to the sleeve, a helical spring encircling the sleeve portion of the control member and having its ends inturned into the sleeve opening at opposite sides of the shaft projection, the normal space in said opening at each side of said projection being greater than the thickness of the inturned portion of the spring, whereby such portion may have limited circumferential movement in the opening to permit an expansion of the spring by the action of the shaft projection thereagainst when the shaft is turned to effect a turning of the control member, and stationary means enclosing the spring and with which the spring frictionally engages to prevent a turning of the control member when the spring is expanded.

1,537,224. RADIOFREQUENCY TRANSFORMER. SAMUEL COHEN, Brooklyn, N. Y. Filed Jan. 27, 1923. Serial No. 615,210. 2 Claims. (Cl. 175—361.)



1. Transformer structure of the character described, comprising a housing of insulating material having a chamber, a transformer unit disposed in said chamber and comprising a plurality of grooves and windings in said grooves, conducting members projecting from opposite sides of said chamber over said unit within said housing, connections from said coils to said conducting members, and binding posts extending through said conducting members to the exterior of said housing.

1,537,225. MOLD SANDER. ROY P. M. DAVIS, Mount Union, Pa. Filed Oct. 5, 1923. Serial No. 666,804. 4 Claims. (Cl. 25—115.)



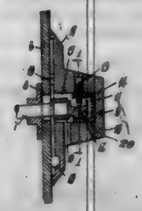
1. In an apparatus for sanding open ended molds, a sand box open at its top end, means for feeding sand to the lower end of the box, means positioned at the upper end of said box adapted to support a mold, a cover plate secured to said last mentioned means for normally closing the top of the mold and sand box, and means for forcing sand upwardly through the mold and against said cover plate.

1,537,226. LEVER FILLER FOR FOUNTAIN PENS WITH METAL CASINGS. WILLIAM P. DE WITT, Somerville, Mass., assignor to De Witt-La France Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Jan. 21, 1922. Serial No. 530,742. 7 Claims. (Cl. 120—46.)



1. A fountain pen having, in combination, a metal casing provided with a slot, an ear on said casing extending transversely thereof and projecting thereinto, at one side of said slot and a lever normally positioned in said slot, one of said last-named parts having a projection constituting a pivot thereon projecting into a recess provided in the other of said last-named parts and within the bore of said casing, whereby said lever is pivotally mounted directly on said casing and secured thereto.

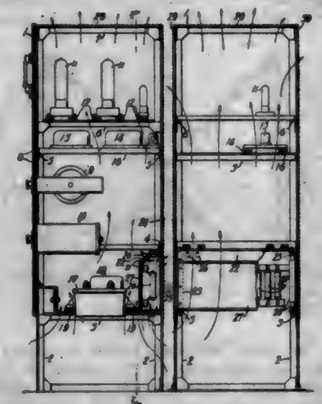
1,537,227. DIAL WITH UNIVERSAL CONNECTIONS. WILLIAM P. DE WITT, Somerville, Mass., assignor to De Witt-La France Company, Cambridge, Mass., a Corporation of Massachusetts. Filed June 26, 1924. Serial No. 722,489. 15 Claims. (Cl. 287—53.)



2. A rotary dial, a connecting member adapted to be fastened to one end of a shaft and provided with a slot extending longitudinally thereof, said connecting member being positioned in a recess provided in said dial and terminating in a spherical shaped end fitting into a recess provided in said dial, and a connecting pin on said dial projecting into said slot and terminating at its inner end in a depression provided in the bottom of said slot.

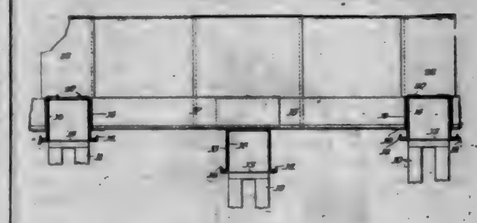
1,537,228. MEANS FOR COOLING CARRIER-WAVE APPARATUS. JOHN O. GARDAN, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 3, 1922. Serial No. 565,509. 8 Claims. (Cl. 250—7.)

7. A radio transmitter cabinet comprising a plurality of elements subject to deterioration at high temperatures, a resistance unit which evolves considerable quantities of heat under service conditions mounted in said cabinet, and means, including an inclined panel of heat and electric insulating material having terminals



mounted thereon, to direct away from the main stream of cooling air through said cabinet the air employed for cooling said resistance unit.

1,537,229. METAL FORM CONSTRUCTION. HARVEY M. GERSMAN, Chicago, Ill., assignor to Kalman Steel Co., Chicago, Ill., a Corporation of Delaware. Filed Aug. 4, 1924. Serial No. 729,991. 12 Claims. (Cl. 25—131.5.)



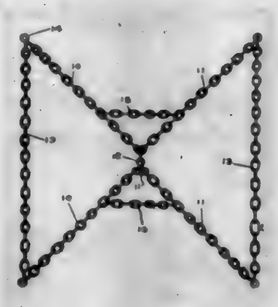
1. In a concrete form system, the combination of stringers and supports therefor, the top surface of alternate stringers being in different horizontal planes, and soffits extending transversely between stringers, said soffits at their ends abutting the sides of stringers and at an intermediate point resting upon the top surfaces of an intermediate stringer.

1,537,230. GARMENT. JOHN WILLIAM GODBEHERE, Hot Springs, Ark. Filed May 24, 1923. Serial No. 641,229. 2 Claims. (Cl. 2—78.)



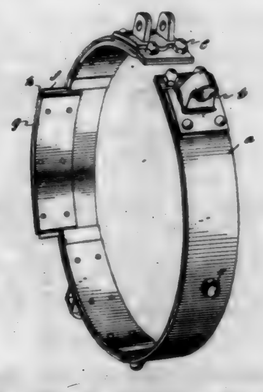
2. A one piece outer garment having a drop seat with a belt secured to the upper edge of said seat and extended at its ends beyond the side edges of the seat, the body portion of the garment having its back extended below the waist line, the seat adapted to be closed up over said extension, said belt having longitudinally arranged tapes secured at their ends to the inner face of the belt, and superposed loops formed on the garment through which said tape and belt pass whereby the opening movement of the seat is restricted and the belt held against the disengagement from the garment.

1,537,231. TIRE TRACTION AND NONSKID CHAIN LUG. EUGENE E. GRAVES, Lincoln, Nebr. Filed Apr. 17, 1923. Serial No. 632,785. 3 Claims. (Cl. 152—14.)



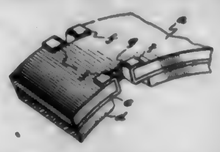
1. In a tire chain structure, a pair of crossed chains adapted to rest diagonally on the surface of the tire, a transverse chain connecting the forward extremities of the crossed chains and a second transverse chain connecting the rearward extremities of the crossed chains, said transverse chains serving primarily as traction chains, and other chains connecting said first named chains intermediate their ends so as to lie longitudinally on the surface of the tire to serve primarily as nonskid chains.

1,537,232. BRAKE BAND AND LINING. RICHARD B. HARTMAN, Middletown, Ohio, assignor to Hartman Brake Corporation. Filed Jan. 30, 1920. Serial No. 355,285. 25 Claims. (Cl. 188—249.)



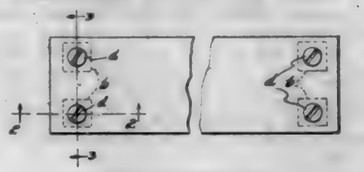
5. In a brake, the combination of a rotatable drum having a braking surface of substantially uniform diameter from side to side, a brake band that can be contracted upon the drum and having a face substantially concentric with the braking surface of the drum, said band being open on the side that the braking surface of the drum is open, a plurality of brake lining segments of substantially uniform radius from side to side adapted to slide freely between the face of the brake band and the braking surface of the drum at the open side of these members when the segments are unsecured, each brake lining segment made up of a relatively thin, flexible, stiff strip as a backing and a strip of brake lining material secured to the face thereof, and means engaging the backing strips for releasably securing the segments to the brake band.

1,537,233. BRAKE BAND AND LINING. RICHARD B. HARTMAN, Middletown, Ohio, assignor to Hartman Brake Corporation. Filed Feb. 2, 1920, Serial No. 355,846. Renewed Oct. 17, 1924. 12 Claims. (Cl. 188—249.)



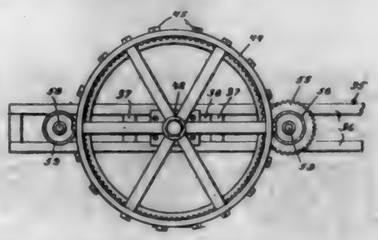
5. In a brake, the combination of a brake band provided with pairs of notches in its side edges, and removable brake lining segments each comprising a metallic backing provided with punched out tongues and a facing of brake lining material secured thereto, the said tongues being adapted to be turned over the side walls of the notches to lock the brake lining segments removably to the brake band.

1,537,234. BRAKE AND BRAKE LINING. RICHARD B. HARTMAN, Middletown, Ohio, and CHARLES S. MOXSON, Detroit, Mich.; said Hartman assignor of his entire right to Hartman Brake Corporation. Filed Apr. 9, 1920. Serial No. 372,629. 3 Claims. (Cl. 188—249.)



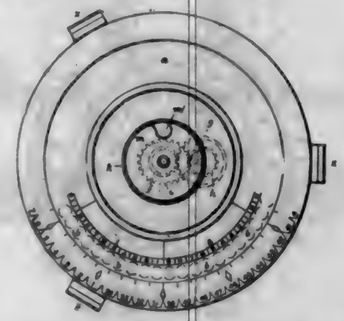
2. In a brake, the combination of a brake-band member, and a plurality of removable elements arranged around the band-member, each element comprising a drum-gripping member in the form of a molded, relatively yieldable composition material, and relatively rigid fastening means molded into the composition material by which the same may be removably attached to the brake-band member.

1,537,235. POWER-TRANSMISSION MECHANISM. AMASA P. HAY, Goshen, Ind. Filed Oct. 1, 1923. Serial No. 665,877. 4 Claims. (Cl. 180—70.)



1. In a transmission mechanism, a frame, bearings slidable longitudinally of the frame, an axle journaled through said bearings, ground engaging wheels on the axles, ring gears on the wheels, a shaft mounted transversely of the frame, rollers on said shaft bearing against the rearmost points of the wheels, drive spindles, rollers on said spindles bearing against the forwardmost portions of the wheels, and pinions on said spindles meshing with the forwardmost points of the gears.

1,537,236. APPARATUS FOR USE IN PLAYING GAMES OF THE ROULETTE TYPE. JOHN JAMES JARVIS, Barnes, England. Filed Feb. 27, 1923. Serial No. 621,650. 4 Claims. (Cl. 273—110.)



2. An apparatus of the class described comprising a drive shaft, a sleeve mounted thereon, a ball supporting disc having a discharge chute carried by the sleeve, a non-circular pinion carried by the shaft, a gear train operatively connecting the pinion to the sleeve whereby to rotate the sleeve at a variable speed, a ball receptacle, and means to frictionally mount the same on the sleeve whereby the receptacle is caused to slip with respect to the disc during periods of acceleration and deceleration to discharge the balls therefrom.

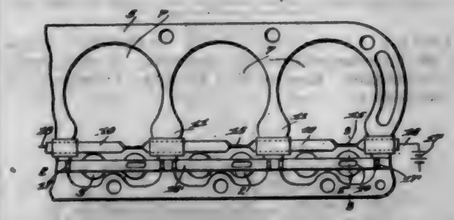
1,537,237. NOZZLE HOLDER. JOHN D. KARSTNER, Minneapolis, Minn. Filed Mar. 5, 1924. Serial No. 697,011. 1 Claim. (Cl. 248—29.)



A nozzle-holder formed from a single rod and comprising a standard, the lower end of which is adapted to be pressed into the ground, the upper edge portion of said standard being folded upon itself and then outward and upward in a plane that radiates from the standard to form a U-shaped clip the arms of which extend upward in said plane and from thence said rod extends horizontally outward to form an arm, the free end portion of which is bent laterally and rearward in a horizontal plane to form a second U-shaped clip the arms of which extend toward said standard in said horizontal plane.

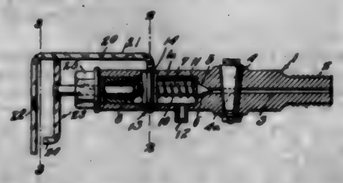
1,537,238. VAPORIZER. EUGENE KRAFT, Spokane, Wash. Filed Jan. 22, 1924. Serial No. 687,718. 5 Claims. (Cl. 123—141.)

1. In combination, an explosion engine having a combustion chamber and intake and exhaust valves opening to said chamber, ignition terminals above the intake valve, a primary metal vaporizing strip extending adjacent said valves for vaporizing the mixture and oil while the engine is running, means for heating said strip prior to the first explosion to vaporize the mixture, and a secondary metal strip extending abreast said



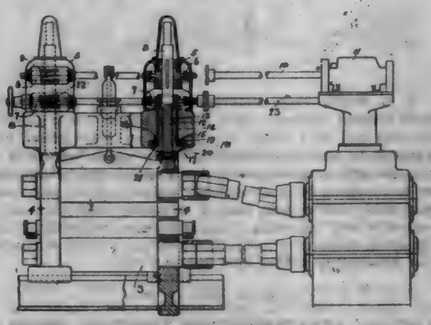
valves and in close proximity to said terminals and adapted to be heated by combustion to prevent fouling of said terminals and also to assist in vaporizing the mixture.

1,537,239. GAUGE COCK. JOHN H. LA LONDE, Jacksonville, Fla. Filed Oct. 29, 1923. Serial No. 671,613. 1 Claim. (Cl. 251—134.)



A gauge cock comprising a hollow body provided with a spring seated valve for closing one end, said valve having a stem extending through and slidably mounted in the other end, a split collar encircling said body intermediate its ends and held against longitudinal movement thereon, an L-shaped member pivotally mounted at one end on said collar the other end of said member extending transversely across the path of said stem and spaced from the outer end of the stem, an arm pivoted to said member and connected with said stem and adapted to be moved toward the transversely arranged portion of the member to unseat the valve.

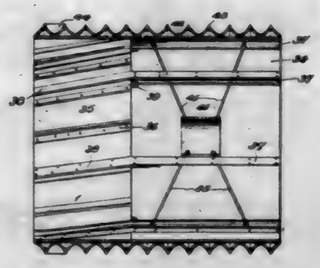
1,537,240. MILL SCREW-DOWN. HARRY A. LEWIS, Norristown, Pa., assignor of one-half to Alan D. Wood, Philadelphia, Pa. Filed Nov. 19, 1923. Serial No. 675,743. 6 Claims. (Cl. 80—56.)



6. In a mill screw-down, the combination with the rolls and housing, of a screw, means for turning said screw, a nut engaged by said screw, means for rotating said nut in the opposite direction from said screw, a sleeve surrounding said nut, a thrust-collar on said sleeve

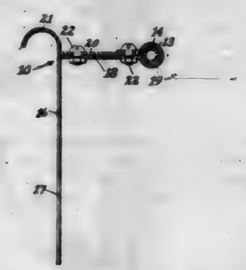
engaging the housing, said housing having a recess formed therein, a head at the lower end of said sleeve having a lubricant receptacle, said head entering said recess and engaging said thrust-collar.

1,537,241. ATTACHMENT FOR TRACTORS. JAMES W. LIEDORFF, Calino, Mo. Filed Aug. 2, 1923, Serial No. 655,300. Renewed Mar. 30, 1925. 7 Claims. (Cl. 301—39.)



2. Mechanism for the purposes set forth comprising a cylindrical shell adapted to encircle the driving wheel of a tractor and the cleats on said wheel, braces secured rigidly to the inner surface of the shell and having deflected portions adapted to be secured upon the outer surface of the tractor driving wheel, and clips secured to the said bracing members and adapted to engage over the flange at the edge of the tractor driving wheel rim.

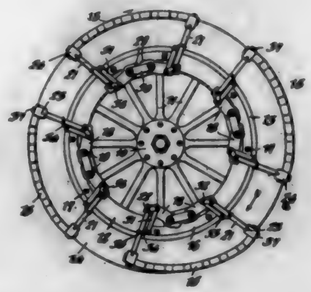
1,537,242. DRYING RACK. FRED J. LUKINS, Huntington Park, Calif. Filed Aug. 13, 1923. Serial No. 657,251. 3 Claims. (Cl. 126—332.)



1. A drying rack comprising a plurality of brackets, each bracket having a hook portion adapted to hook over the top rail of a range or stove, a slotted vertical arm adapted to receive a mounting screw which secures it to the side of a range or stove, a horizontal arm terminating in a clamping loop at a fixed distance from said hook and said slotted arm and a clamping bolt adapted to constrict said clamping loop; a tubular rod held in said clamping loops in a horizontal position and an extension rod telescoping within said tubular rod.

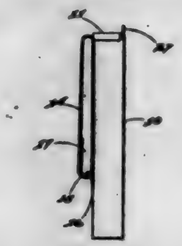
1,537,243. ATTACHMENT FOR VEHICLES. GEORGE A. LUNZ, Buffalo, N. Y. Filed June 14, 1924. Serial No. 720,124. 16 Claims. (Cl. 301—47.)

1. In a device of the character described, the combination of a support, an impact-receiving member, and means for connecting said member with said support, comprising yieldable means fulcrumed on said support for resisting movement of the impact-receiving member in one direction, and attaching arms connecting said



yieldable means with said impact-receiving member, said arms being movable in one direction only relatively to said yieldable means.

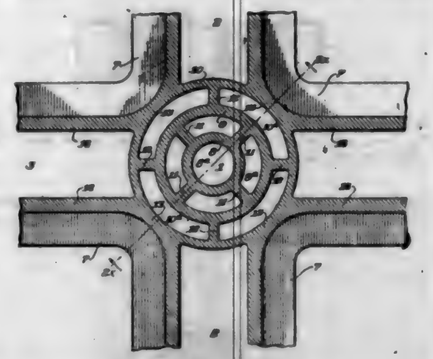
1,537,244. TICKET HOLDER. HUGH MCCAGHREN, Ottawa, Ontario, Canada. Filed Oct. 15, 1923, Serial No. 668,612. Renewed Mar. 30, 1925. 2 Claims. (Cl. 208—89.)



1. A ticket holder including a body having an open end and a discharge slot at its other end; a resilient ticket support held in said body and including an inclined finger portion serving to support tickets in overlapped relation with the uppermost ticket presented to the discharge slot; said support including a heel carrying an inclined face for forcing the tickets to overlapping position; means for retaining said support in normal position within said body; said body having a slot formed in one face for exposing the uppermost ticket and permitting discharging of the same through said discharge slot by pressure on the ticket and movement of the same longitudinally in said body; and means carried by said body for supporting the same on a belt.

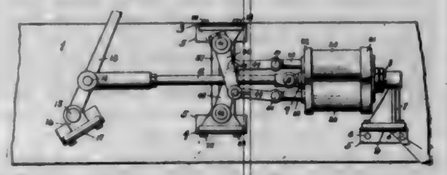
1,537,245. RAILWAY CROSSING WITH CENTER SUPPORTS. WILLIAM T. MCNINCH, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed May 28, 1924. Serial No. 716,337. 10 Claims. (Cl. 246—464.)

1. A railway crossing comprising intersecting members formed with treads and flangeways, and each with a pair of vertical supporting webs which intersect one another at points radially remote from the point of intersection of the flangeways of the members, and by their said intersections, defining the walls of a polygonal support for the crossing, and a substantially continuous vertical



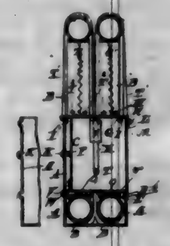
supporting wall surrounding the point of flangeway intersection, but radially within and spaced from the walls of said polygonal support.

1,537,246. EQUALIZING MEANS. EDWARD J. MADDEN, Detroit, Mich. Filed Oct. 8, 1923. Serial No. 667,191. 5 Claims. (Cl. 188—204.)



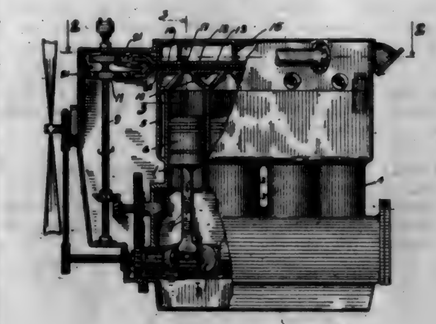
3. An equalizing means comprising a group of cylinders having intercommunicating passages, means to move said group longitudinally of the cylinders, a fluid in said cylinders, pistons in said cylinders, a frame to slidably support said cylinders, a shaft for each cylinder mounted in said frame transversely to the path of said cylinders, a crank arm attached to each shaft, and means connecting each crank arm to one of said pistons to transmit the force of said pistons to said shafts.

1,537,247. COMBINED TIRE HOLDER AND TOOL BOX. ANTHONY MALLOY, Cleveland, Ohio. Filed Dec. 30, 1918. Serial No. 268,848. 3 Claims. (Cl. 224—29.)



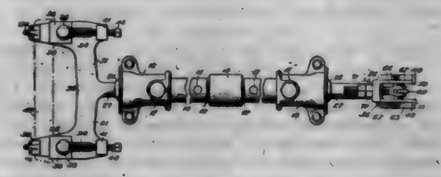
1. In a combination tire carrier and tool box, a semicircular trough shaped casing open at the top and provided with a semicircular opening in its front wall and having a continuous rear wall, a semicircular tool box insertable in said opening, a rest for the lower end of said tool box in said rear wall of said casing, means for interlocking the said lower edge of said tool box with the front edge of said casing, a cover for said tool box, means for interlocking the rear edge of said cover with the rear wall of said casing and means for interlocking the ends of said cover with the ends of said tool box.

1,537,248. INTERNAL-COMBUSTION ENGINE. THOMAS J. MALONEY, Denver, Colo. Filed Dec. 13, 1923. Serial No. 680,371. 8 Claims. (Cl. 123—188.)



1. An internal combustion engine having a plurality of cylinders arranged in a row, intake and exhaust ports opening into said cylinders, means for periodically opening and closing said ports in a predetermined sequence, said means comprising two flat slides, each provided with two parallel rows of four openings, each of the openings adapted to register with certain port openings and with corresponding openings in the other slide so as to permit gases to enter and leave said cylinders in a predetermined sequence, and means for reciprocating said slides in accordance with the speed of the engine.

1,537,249. TOWING POLE. ROBERT E. MANLEY, York, Pa. Filed Aug. 18, 1923. Serial No. 658,060. 7 Claims. (Cl. 280—33.14.)

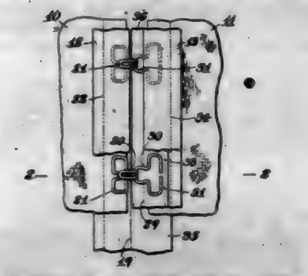


1. A towing pole clamp comprising a pair of widely separated, substantially parallel arms, a bracket integral with said arms, a pair of relatively movable jaws on each of said arms, and pivotal means for connecting said bracket to a towing pole.

1,537,250. HOOK AND EYE TAPE. DAVIS MARINSKY, New York, N. Y. Filed Mar. 21, 1922. Serial No. 545,611. 8 Claims. (Cl. 2—265.)

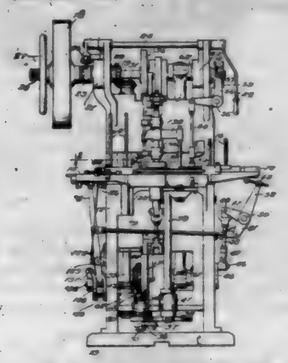
4. An article of the class described comprising two tape members in which hook devices and eyes are adapted to be mounted, one of said tape members being composed of two stripe, one of the strips of said tape member being provided with spaced apertures, said

strips being secured together by a line of stitching passing through the apertures of said first named strip



to form between the separate strips where stitched together openings through which hook devices or eyes are adapted to be passed.

1,537,251. GASKET-LINING APPARATUS. ARTHUR C. MAYER, Indianapolis, Ind., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 7, 1921. Serial No. 513,329. 19 Claims. (Cl. 113—80.)



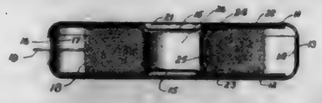
1. In gasket lining apparatus, the combination of a rotating turret, means for feeding gaskets to said turret, means for feeding can ends to said turret, and means for preventing operation of said last mentioned means in the absence of a gasket in the turret at a predetermined station in the rotation of the latter.

1,537,252. PROCESS OF PRODUCING NEARLY NON-ALCOHOLIC LIQUORS. JOHANNES FRIEDRICH MEYER and HANS LÖCKEN, Berlin, Germany. Filed May 10, 1924. Serial No. 712,471. 2 Claims. (Cl. 195—1.)

1. A process of making a carbonated beverage containing less than one-half of one per cent of alcohol by volume which consists in adding yeast to a malt wort and allowing the wort to undergo alcoholic fermentation in a closed space, to prevent the escape of carbon dioxide, stopping the fermentation when the percentage of alcohol by volume in the wort is less than one-half of one per cent, by cooling the wort, and then immediately centrifugally separating the yeast and other solid matter from the liquid portion of the wort while maintaining a pressure thereon sufficient to prevent the escape of carbon dioxide therefrom.

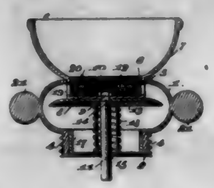
1,537,253. CONTAINER (DENTAL FLOSS). GEORGE F. MILLER, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 5, 1921. Serial No. 505,648. 2 Claims. (Cl. 242—138.)

2. A container for dental floss and the like, consisting of an exterior two-part holder having marginal flanges telescoped one within the other, and an interior reel arranged to turn within the holder and having



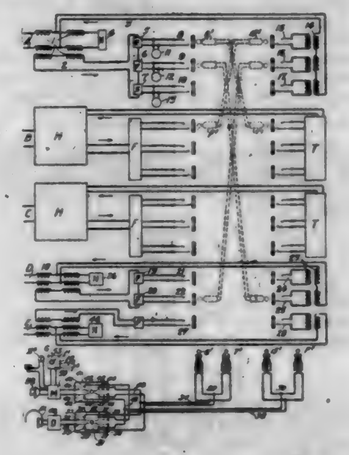
flanges serving as a base for the winding of the floss on the reel and telescoped one within the other near the center of the reel.

1,537,254. RADIATOR CAP. ASBERY T. MILLS, Richland, Iowa. Filed Jan. 10, 1924. Serial No. 685,410. 3 Claims. (Cl. 220—86.)



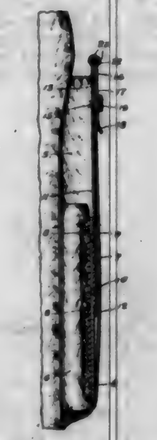
3. A radiator cap comprising a hollow body having a tubular attaching portion at its lower end and having an opening in the upper wall thereof in alignment with said tubular attaching portion, a vertically movable valve disposed within said body, spring means urging said valve upward to position to close said second named opening, and a filler member secured to said valve and extending slidably through said second named opening, said filler member being adapted to be actuated by pressure on the upper end thereof to move said valve from closed position.

1,537,255. CARRIER-CURRENT SYSTEM. JOHN MILLS, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1920. Serial No. 433,716. 16 Claims. (Cl. 179—15.)



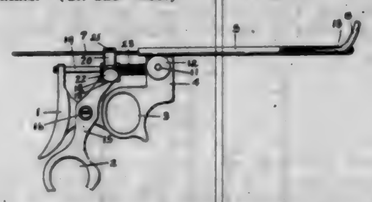
1. A signaling system comprising a multiplicity of lines having a plurality of carrier current channels employing carrier currents of different frequencies superimposed on each line and means at an intermediate station for connecting any channel of one line with a channel of any other line.

1,537,256. POCKETBOOK CLASP. LEWIS S. MITCHELL, Seattle, Wash. Filed Aug. 27, 1923. Serial No. 659,667. 1 Claim. (Cl. 150—47.)



A pocket book clasp of the character described comprising a base plate, means for securing said plate to a pocket book or the like, guides formed on said plate, a hinge member having a relatively long tongue slidably mounted in sand guides, means for limiting the upward and downward movement of said plate on said tongue, a male boss on said hinge member, a relatively short hinge member pivotally secured to the first named hinge member, a female boss on said short hinge member arranged to engage said male boss, and means for regulating the friction between said hinge members substantially for the purpose set forth.

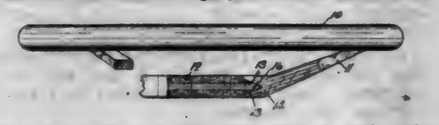
1,537,257. APPLICATOR. STANLEY S. MISNER, Sturgis, Mich. Filed Apr. 17, 1922. Serial No. 553,607. 12 Claims. (Cl. 128—269.)



5. In an applicator, the combination of a stock provided with finger holds permitting the grasping between the thumb and forefinger, a barrel, a plunger rod projecting from the rear end of the barrel, a medicine carrier on said plunger, a plunger slide having a seat on which said plunger is disposed and provided with a set screw for adjustably securing the plunger thereto, a guide for said slide, a return spring for said slide, and a trigger-like actuating lever pivoted on said stock to engage said slide.

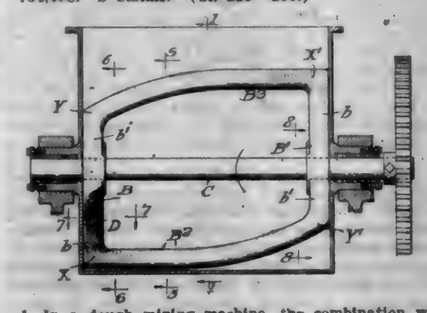
1,537,258. STEERING WHEEL. CHARLES P. NELLIS, Dayton, Ohio, assignor to The Inland Manufacturing Company, Dayton, Ohio, a Corporation of Delaware. Filed Dec. 24, 1923. Serial No. 682,370. 13 Claims. (Cl. 74—33.)

1. A handwheel having a rim adapted to be grasped with the hands and a spider rigidly attached thereto, said spider comprising: a unitary central wood hub portion having recesses cut therein to receive the inner ends of the spokes, a plurality of separate spokes having inner ends inserted and rigidly secured in said recesses,



the upper surface of the inner ends of said spokes overlapping and lying flush with the upper surface of said hub portion at the joint therebetween.

1,537,259. DOUGH-MIXING MACHINE. FELIX NOTE and GEORGE ROYAN, Chicago, Ill., assignors to American Oven & Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 8, 1924. Serial No. 754,488. 6 Claims. (Cl. 259—109.)

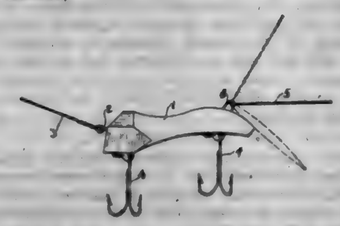


1. In a dough mixing machine, the combination with a mixing machine, the combination with a mixing chamber, of a revoluble mixing frame therein comprising end bars having long and short members and arms connecting the short member of one end bar with the long member of the other end bar, each of said end bars having the forward face of its longer member formed with a concave working surface inclined inwardly towards the back edge of the bar.

1,537,260. METHOD OF TREATING LIQUIDS TO REMOVE OR RECOVER SUBSTANCES THEREFROM. WALTER ALBERT PATRICK, Baltimore, Md., assignor to The Silica Gel Corporation, Baltimore, Md., a Corporation of Maryland. Filed Feb. 25, 1921. Serial No. 447,857. Renewed Dec. 26, 1922. 26 Claims. (Cl. 252—2.)

26. The method of altering the concentration of a solution consisting in adsorbing in silica gel that component of the solution which exhibits the lower surface tension toward the adsorbent.

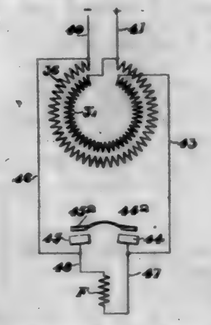
1,537,261. ARTIFICIAL BAIT. CHARLES T. PFLUEGER, Akron, Ohio, assignor to The Enterprise Manufacturing Company, Akron, Ohio, a Corporation of Ohio. Filed May 26, 1920. Serial No. 384,255. 5 Claims. (Cl. 43—46.)



1. An artificial bait, comprising a body portion arranged for attachment to the line, and a relatively thin flat elongated trailing lure loosely connected at one end

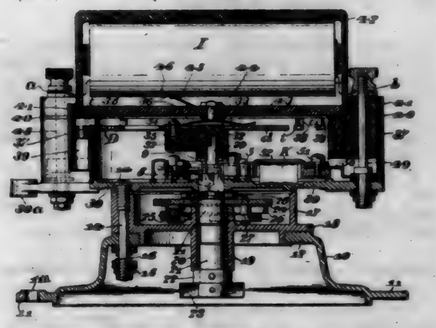
to said body portion for both lateral and up and down motion while maintaining its flat plane approximately horizontal.

1,537,262. OIL-VALVE-ACTUATING MECHANISM FOR OIL BURNERS. WILLIAM R. RAY, San Francisco, Calif. Filed Jan. 28, 1924. Serial No. 688,955. 6 Claims. (Cl. 158—36.)



1. The combination with an electric motor driven liquid fuel burner, of a fuel delivering pipe connected therewith, a valve on the pipe, electrically operated means for opening and closing said valve, a common electric circuit for the motor and said electrically operated means, and means for automatically energizing said electrically operated means a predetermined time period after a circuit has been closed through the motor.

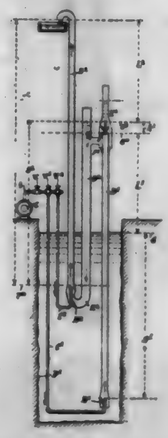
1,537,263. IGNITION APPARATUS. HORACE B. RICE, deceased, late of Philadelphia, Pa.; Kathleen F. Rice, administratrix, Enfield, Conn. Original application filed Nov. 12, 1920, Serial No. 423,633. Divided and this application filed Aug. 20, 1923. Serial No. 658,247. 4 Claims. (Cl. 123—117.)



3. Ignition apparatus comprising a base, a governor chamber thereon, a governor in said chamber, a second chamber adjacent said governor chamber, interrupter mechanism in said second chamber, a casing on said second chamber, and an induction coil in said casing, said second chamber and said casing being rotatable with respect to said first named chamber for advancing or retarding ignition.

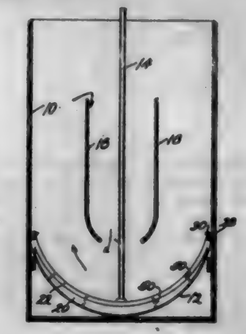
1,537,264. METHOD OF AND APPARATUS FOR ELEVATING LIQUIDS BY A MULTILIFT UNIFLOW AIRLIFT SYSTEM. EDWIN M. ROGERS, New York, N. Y. Filed Mar. 24, 1923. Serial No. 627,405. 54 Claims. (Cl. 103—233.)

1. A multilift uniflow airlift system comprising, in combination, a first uptake column and a second uptake column in successive positions and at successive elevations, respectively; a submergence column intermediate to said uptake columns and at its upper end open by an outlet to atmosphere and at its lower end connected with and to supply liquid to said second uptake column, and having said upper end thereof extending above the height of a liquid-head and submergence-effect normal to said second uptake column, and means appurtenant to said submergence column and first uptake column and



including a closed-in channel forming a portion of a subsurface flowage-path for the uniflow stream, for generating within the first uptake column an aerated upflowing stream and transmitting this generated liquid into the submergence column at a position below said open upper end thereof and thereby form by an underfeed thereto a super-head column-increment located in the submergence column above the flowage-path of the uniflow stream.

1,537,265. PNEUMATIC FLOTATION APPARATUS. JOSEPH P. RUTH, Jr., Denver, Colo. Filed Feb. 21, 1920. Serial No. 360,370. 6 Claims. (Cl. 261—122.)

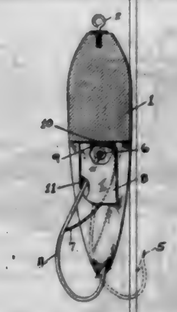


1. In pneumatic flotation apparatus, a hollow member curved about its longitudinal axis, upstanding transverse walls, and bars for clamping a porous medium to the curved upper edges of said walls.

1,537,266. WEEDLESS BAIT. DENNIS P. RYAN, Toledo, Ohio. Filed Sept. 5, 1924. Serial No. 735,990. 2 Claims. (Cl. 43—35.)

1. An artificial bait for fish, having a recess, a fish hook pivotally connected to the body of the bait and

having a curved portion in an exposed position relative to the body of the bait, a spring connected to the body of



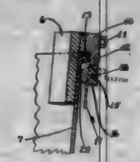
the bait for returning the hooked end into the recess when it is pressed therefrom by pressure on the curved exposed portion.

1,537,267. METAL SHELF SUPPORT. JOSEPH SCHAEFER, Cleveland, Ohio, assignor to to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 16, 1921. Serial No. 469,904. 3 Claims. (Cl. 45—54.)



3. In a device of the class described, a shelf supporting clip formed of sheet metal and having a central portion bent into U-form, said U-shaped portion being provided with lateral wings or ears adapted to engage the marginal portions of recesses in a vertically extending supporting member, the end portions of said clip being formed as oppositely extending flanges, one of said flanges being adapted to engage the front marginal portion of an opening in which the clip is inserted to support the weight of the shelf while the other marginal flange is adapted to maintain a spaced relation from the marginal portion of such recess or opening so as to permit the insertion of a shelf for supporting the same.

1,537,268. RIVETING JIG. LOUIS SCHOTT, Cincinnati, Ohio. Filed May 8, 1924. Serial No. 711,903. 4 Claims. (Cl. 78—58.5.)



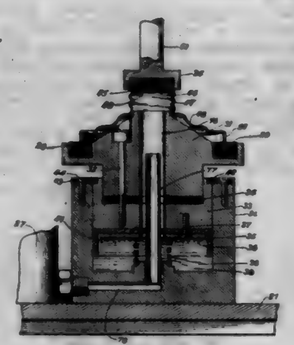
1. In a device of the class described the combination with an anvil plate for engaging the inner side of a vessel wall, of a pair of spaced arms mounted in spaced relation to the anvil plate, and a clamping member mounted eccentrically between the arms for engaging the outer side of said vessel wall.

1,537,269. CONTINUOUS WIRE-DRAWING MACHINE. FRANK H. SLEEPER, Worcester, Mass., assignor to Sleeper & Hartley, Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 27, 1923. Serial No. 659,474. 5 Claims. (Cl. 205—14.)



1. In a wire drawing machine, the combination with a shaft, a wire drawing drum, means for positively gearing the shaft to said drum, driving means for the shaft comprising a belt and two pulleys connected thereby, one pulley being on said shaft, and means associated with said driving means for instantaneously and smoothly increasing the speed of said gearing when the load decreases and decreasing its speed when the load increases, said means being operated by variations in the torque on said shaft.

1,537,270. CAN-TOP-TESTING MACHINE. WILLIAM HENRY STABLER and WILLIAM HOWARD AYRES, Baltimore, Md., assignors to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 1, 1922. Serial No. 604,160. 9 Claims. (Cl. 73—51.)

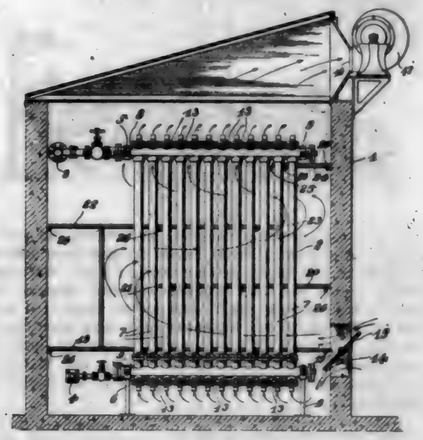


1. An apparatus for testing hollow articles having in combination, a movable support on which the article may rest by gravity, said support having a sealing means for closing to the passage of air the space within said article and a passage leading from said space, a pressure gauge communicating with said passage, and means for depressing said article and thereby causing the operation of said sealing means and also the movement of said support, whereby air pressure is increased within the article and said pressure is communicated to said gauge.

1,537,271. CONDENSER. PHILIP STROMBACK, Philadelphia, Pa. Filed June 21, 1923. Serial No. 646,775. 3 Claims. (Cl. 257—227.)

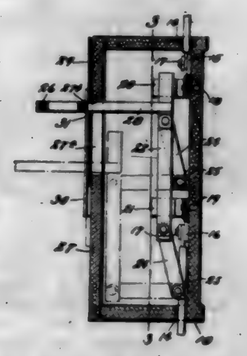
1. A condenser for use in refrigerating apparatus comprising a casing having an air inlet opening adjacent its bottom and an air outlet opening at its top, a fluid inlet manifold and a fluid outlet manifold mounted in the casing and connected by outer tubes, inner tubes passing through the outer tubes and the manifolds and providing independent passages therethrough, a partition

dividing off a portion of the casing and having an end crossing the air inlet opening, said inner tubes extending into said divided off portion of the casing to receive the



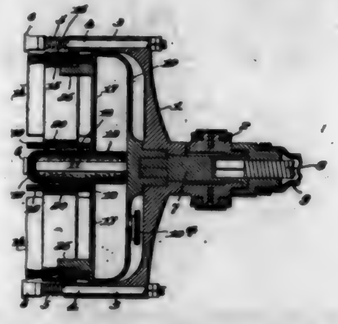
cooling air inflowing through said inlet opening, and means above the partition for directing the air inflowing above said partition to and about the outer tubes, substantially as described.

1,537,272. SAFETY SWITCH. OLIVER T. SWEET, St. Louis, Mo. Original application filed Feb. 17, 1919, Serial No. 277,421. Divided and this application filed May 6, 1921. Serial No. 467,478. 6 Claims. (Cl. 200—162.)



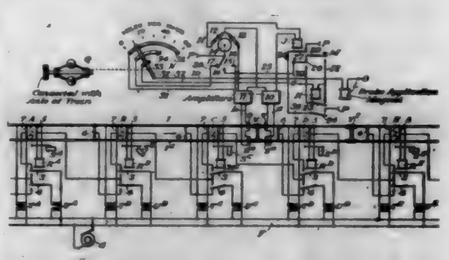
1. In a safety switch construction, the combination of an insulation housing having a plurality of separate compartments, a pair of stationary contact members in each compartment, a pair of links pivotally supported in each compartment, a switch blade pivotally mounted on the free ends of said links and movable into simultaneous engagement with both of said contact members, a closure plate for said housing, said plate being provided with vertically disposed slots, a handle arranged exteriorly of said housing and having fingers projecting inwardly through said slots into said compartments for engaging said blades, and a sliding plate having cooperative engagement with said handle and contacting with said closure plate whereby the slots formed therein are closed at all times.

1,537,273. WINDOW-CLEANING APPARATUS. FRANCIS W. TULLY, Brookline, Mass. Filed Apr. 6, 1920. Serial No. 371,714. 23 Claims. (Cl. 15—103.)



1. A window cleaner comprising in combination a scrubber and a drier, having their respective operating surfaces in substantially the same plane and normally fixed relatively to one another, means for supplying washing liquid to the scrubber, means simultaneously to move the scrubber and drier while in contact with a window surface, and a handle whereby said scrubber and drier may be manipulated.

1,537,274. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. STANLEY J. TURRETT, New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 24, 1924. Serial No. 739,556. 8 Claims. (Cl. 246—63.)



2. In combination, a trackway divided into sections, two sources of train governing current for each section at least one of which is connected across the rails at the exit end of the section, a main train carried relay controlled jointly by currents from said two sources, an auxiliary relay on the train controlled solely by current from said one source, a brake application magnet having a circuit controlled by a front contact of said auxiliary relay, and means including a manually operable circuit controller and a back contact of said main relay for preventing said circuit from being opened due to de-energization of said auxiliary relay.

1,537,275. METAL WEATHER STRIP. ORIEN P. WALLACE, St. Louis, Mo., assignor, by direct and mesne assignments, of one-third to Dominick Kulage, St. Louis, Mo., and one-third to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 19, 1923. Serial No. 663,562. 2 Claims. (Cl. 20—69.)

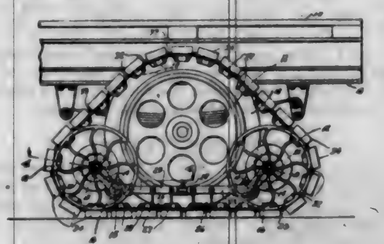
1. The combination with a window-frame and a sash having a longitudinal slot in its narrow side, of a weather-strip having an L-shaped cross-section, one

flange of which is slidable laterally in the said slot, and the other flange of which is spaced from the said narrow side, a second weather-strip secured to the said window-



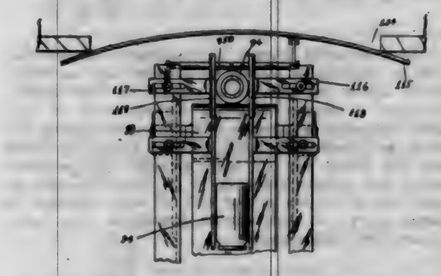
frame and situated between the said narrow side and the said other flange, and resilient means for pressing the said other flange against the said window-frame strip.

1,537,276. DETACHABLE TRACTION DEVICE FOR VEHICLE WHEELS. JACOB J. WEISS, Chicago, Ill. Filed May 31, 1924. Serial No. 716,849. 15 Claims. (Cl. 305—8.)



7. A traction device mountable on a vehicle wheel and comprising tread engaging wheels at the front and rear of said vehicle wheel, means rotatably mounted on said tread engaging wheels and engaging the vehicle wheel, bars extending from said tread engaging wheels, rollers mounted on said bars and engaging said vehicle wheel, detachably connected link means extending between said rollers and bars, and downwardly extending tread guide means and supporting means mounted on said link means.

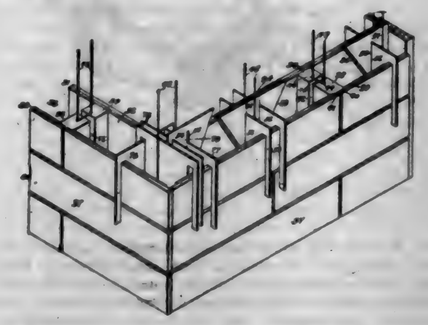
1,537,277. LEER-CONVEYER MECHANISM. PERCY Q. WILLIAMS, Cincinnati, Ohio. Filed July 29, 1922. Serial No. 578,406. 18 Claims. (Cl. 198—21.)



1. In a device of the class described the combination of a leer, a leer conveyer, a conveyer adapted to carry ware on its side and to deposit the ware onto the leer conveyer exteriorly of the leer, and means to intermittingly move ware over the leer conveyer into the leer, the intermittingly actuating means being adapted to be controlled by the ware.

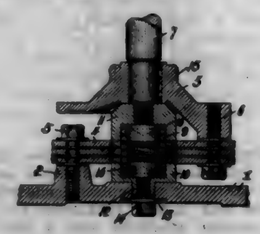
2. In a device of the class described the combination of a leer, a conveyer adapted to carry ware to the leer, means whereby to form a pocket into which the conveyer discharges the ware, means to move the ware from the pocket into the leer, and means associated with the pocket controlled by the ware adapted to control displacement of the pocket forming means whereby to permit unobstructed action of the ware moving means upon the ware.

1,537,278. MOLDING DEVICE FOR CONSTRUCTING CONCRETE WALLS. GEORGE D. WILSON and RAY H. GRAMM, Buffalo, N. Y., assignors of one-third to Harry A. Brocas, Buffalo, N. Y. Filed Apr. 17, 1922. Serial No. 553,806. 11 Claims. (Cl. 25—131.)



1. A molding device for constructing a wall having two shells of precast plates arranged in tiers and spaced apart and field cast studs formed against the inner sides of said shells, said mold comprising a pair of transverse mold plates which are adapted to connect at opposite ends with the plates of both shells and are spaced apart, and a longitudinal mold plate connecting said transverse plates and forming with the latter and the shell plates a mold cavity in which the plastic material is placed which forms a stud on the inner side of one of the tiers of shell plates.

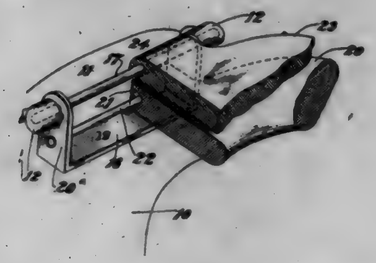
1,537,279. UNIVERSAL JOINT. HARRY H. WOLFE, Toledo, Ohio, assignor to The American Floor Surfacing Machine Company, Toledo, Ohio, a Corporation of Ohio. Filed May 6, 1922. Serial No. 558,872. 3 Claims. (Cl. 64—26.)



1. In combination with a rotary abrading block carrying head, a pair of spaced opposed members one of which is connected to the head and each having a circular series of inwardly extending bosses, the bosses of the two series being arranged in alternating order, a pliable ring-like driving device engaged on its opposite side faces with the two series of bosses and being secured to each, inwardly extending cup secured to the opposed members and being disposed in spaced confronting relation and alined with the open center of the ring device, an end thrust-receiving coil spring

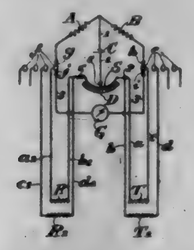
engaged at its ends in the cups and plugs frictionally engaged with the inner circumference of the spring ends to hold the latter in the cups, the spring extending through the open center of the ring-like device and being spaced therefrom so as to permit transverse movement of the device without engaging the spring.

1,537,280. **HINGE FOR TOILET SEATS.** MAXIMILLIAN WILLIAM WURSTHOFF, San Francisco, Calif. Filed Oct. 3, 1923. Serial No. 666,366. 2 Claims. (Cl. 4—236.)



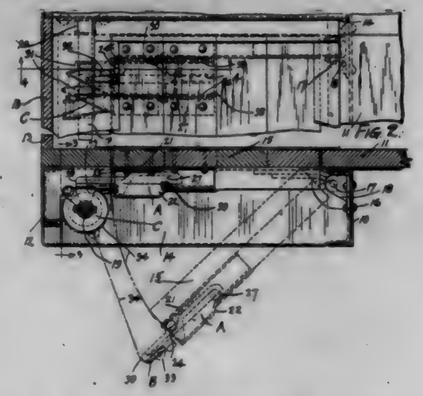
1. A hinge for connecting a toilet seat and its cover to a toilet bowl comprising a pair of standards, a hinge pin extending between the upper ends of said standards, hangers pivoted to said pin and dependent therefrom and disposed one adjacent each standard, an extension on said cover fitting between said hangers and pivoted on said hinge pin which extends through said extension, and an extension on said seat fitting between said hangers beneath said hinge pin and being rigidly secured to said hangers.

1,537,281. **ELECTRICAL MEASURING APPARATUS.** FELIX WUNSCH, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1923. Serial No. 635,202. 14 Claims. (Cl. 73—32.)



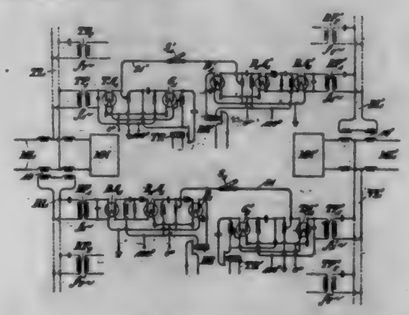
10. The combination with a Wheatstone bridge and a plurality of resistances to be included in an arm of said bridge, of switching mechanism comprising a contact member for each of said resistances and an elongated contact member connected with a ratio arm of said bridge, movable contacts connected to each other and engaging, respectively, one of said contact members and said elongated contact member, a movable contact connected with a conjugate conductor of said bridge and adapted to engage one of said contact members, the movable contacts co-acting with said first named contact members engaging therewithin such relation that the contact resistances between said first named contact members and the movable contact connecting with said ratio arm are excluded from the arm of said bridge including said resistances, and means for effecting movement of said movable contacts in unison with each other.

1,537,282. **CAR-DOOR-OPERATING MECHANISM.** ALBERT E. ZIMMER, Chicago, Ill., assignor to Enterprise Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 4, 1923. Serial No. 660,784. 11 Claims. (Cl. 105—302.)



1. In a door operating mechanism comprising; a winding shaft; a flexible connection therefrom to the door; a latch for supporting the door in closed position; and anti-friction balls for supporting said latch.

1,537,283. **REPEATER FOR MULTIPLEX SYSTEMS.** HERMAN A. AFFEL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Sept. 30, 1919. Serial No. 327,457. 12 Claims. (Cl. 178—44.)

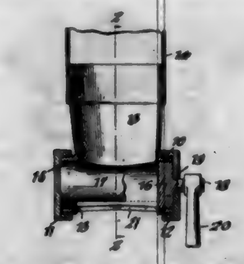


2. In a signaling system, a transmission circuit over which a plurality of carrier frequencies may be transmitted, means for impressing signals on each carrier frequency, a one-way amplifier corresponding to each carrier frequency associated with said transmitting circuit at an intermediate point, selective means associated with the input side of each amplifier for selecting thereto the carrier frequency to be amplified, and selective means on the output side of each amplifier to prevent energy of other carried frequencies from being by-passed into said repeater.

1,537,284. **DRAW-OFF VALVE FOR ICE-CREAM APPARATUS.** HIRAM J. AYERS, New York, N. Y. Filed Mar. 9, 1922. Serial No. 542,455. 2 Claims. (Cl. 251—92.)

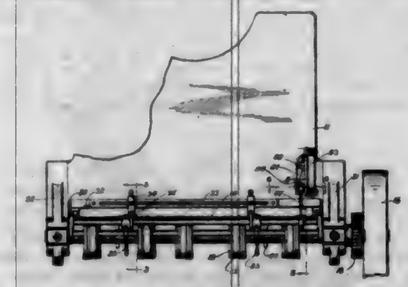
1. A draw-off valve for viscous substances, comprising a casing having an inlet and an outlet at opposite sides thereof, and a valve-plug arranged in said casing and

having a transverse port for connecting said outlet with said inlet, one of said elements having an approximately V-shaped edge at its outlet side which co-operates with



an adjacent straight edge of the other element, said V-shaped edge being formed by two oblique faces extending continuously from the center of the element substantially to the ends thereof.

1,537,285. **SIDE-GAUGE-LOCKING DEVICE FOR SLITTERS.** HERBERT BANKS, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 16, 1922. Serial No. 594,944. 7 Claims. (Cl. 164—61.)



1. In a sheet metal slitting machine, the combination of slitting elements, a table supporting the sheets as they are fed to said elements, front and side gauging devices for squaring the sheets upon said table, and locking means for said gauging devices requiring contact by the sheets with each of said devices prior to their being advanced to said cutting elements.

1,537,286. **PROCESS FOR THE MANUFACTURE OF DECOLORIZING CARBONS.** OSCAR L. BARNEBEY, Detroit, Mich. Filed Mar. 23, 1921. Serial No. 454,971. 10 Claims. (Cl. 252—3.)

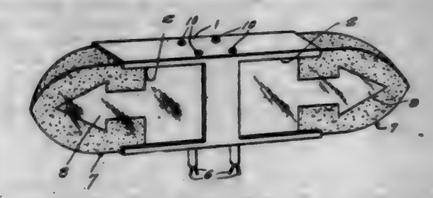
1. A process of manufacturing decolorizing carbons comprising charring carbonaceous silicon-containing material, and removing the silica by reaction with fluosilicic acid.

1,537,287. **BELT ATTACHMENT.** EDWARD S. BATE, Hammond, Ind. Filed Jan. 6, 1923. Serial No. 611,103. 3 Claims. (Cl. 24—8.)



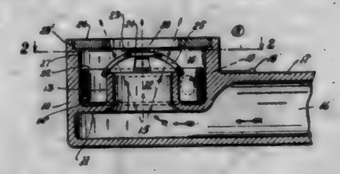
1. In combination with a belt, a band formed of flexible material adapted to receive the belt, said band being provided with spaced parallel slits in one face thereof and defining a loop for the passage of a chain.

1,537,288. **TRAFFIC INDICATOR.** JACOB C. BEAM, Phillipsburg, N. J. Filed Nov. 26, 1921. Serial No. 517,874. 1 Claim. (Cl. 177—329.)



An indicator of the class described comprising an open ended substantially rectangular casing and having an integral partition therein intermediate of its ends, a socket for the reception of a lamp secured to each side of said partition, the front portion of said casing being partly cut away on each side of said partition to provide openings for the radiation of light therethrough, an indicating member inserted into each end of the casing and consisting of a hollow body of light penetrable material, said members being formed to fit the ends of the casing and each having an opening in its inner end to receive the sockets referred to, the front wall of each member being flat and having a transparent indicating device thereon partly exposed by the cut away portions of the casing, the remainder of the front of the indicating member being formed to diffuse light rays, the top, bottom and rear walls of the indicating member not covered by the casing being curved and merging into the front wall and provided with a light reflecting surface.

1,537,289. **OIL BURNER.** JOSEPH BIANCHI and LOUISE A. BIANCHI, Chicago, Ill. Filed Mar. 26, 1923. Serial No. 627,573. 5 Claims. (Cl. 158—28.)



5. A burner of the class described including a body, a partition dividing the body into an upper and lower compartment, the lower compartment having an extension provided with a cavity for the introduction of air thereto, there being an opening in the partition surrounding by an annular flange, a dish-shaped member carried by the flange and provided with a central opening and radially disposed openings about said central opening, a wick arranged in the upper compartment, a closure member for the upper compartment having an opening above the opening of the partition.

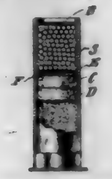
1,537,290. **FISH BAIT.** ARTEMAS C. BUNKER, Seattle, Wash. Filed Apr. 3, 1924. Serial No. 703,844. 3 Claims. (Cl. 43—42.)



1. A fish bait having a thin pear shaped section with another section at its forward or smaller end and a groove extending around the under side of the narrow portion between them, said pear shaped section having

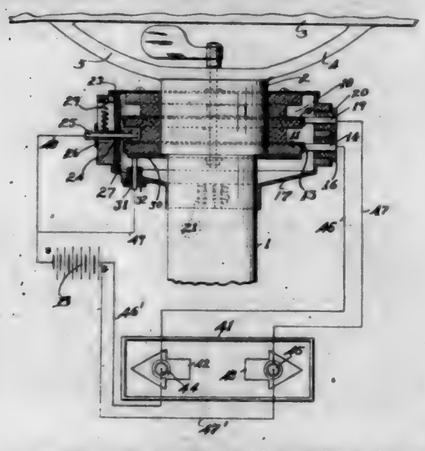
feathers attached to its larger or rear end and an eye on its under side to which hooks may be attached; and said section at the forward end having a flattened upper surface which extends downward toward the front on a slight curve to a point a short distance from the front and then with a quick curve from this point to the tip, a slightly concaved lower surface which is made on a radius from a line which would correspond with the axis of the pear shaped section, and having an eye in its upper surface to which the line may be attached.

1,537,291. SHOTGUN SHELL. WILLIAM FRANKLIN COUTER, Palo Alto, Calif. Filed Apr. 14, 1924. Serial No. 706,439. 1 Claim. (Cl. 102—15.)



A cartridge comprising a shell with its propelling charge, a wad, and a shot container flexibly connected with said wad, whereby the air resistance on said wad will cause the separation of said container from the shot in flight.

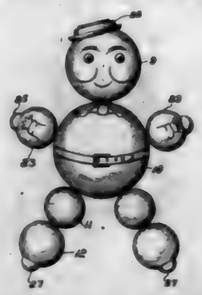
1,537,292. AUTOMOBILE TURNING SIGNAL. ANDREW J. CRUSE, WALTER L. HANSCOM, and BERT BECKERLEG, San Francisco, Calif. Filed May 7, 1923. Serial No. 637,111. 3 Claims. (Cl. 200—59.)



1. An automobile turning signal comprising the combination with a steering gear of an automobile, of an insulated ring surrounding the steering post, metallic contacts arranged in two circuits carried thereby, manual means to connect either circuit with a source of current supply, a secondary contact to continue the connection of either circuit and to reset the manual connections, and a switch to shift the secondary contact from one contact to the other.

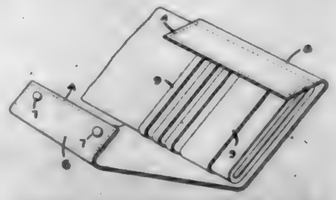
1,537,293. TOY. ARTHUR V. DA COSTA, Providence, R. I. Filed Nov. 12, 1921. Serial No. 514,755. 4 Claims. (Cl. 46—40.)

1. A toy comprising a hollow bulbous body member having hollow bulbous head and limb members connected thereto by an elastic connector, all of said members having convex contacting surfaces whereby they are



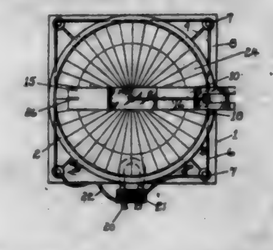
universally yieldable relatively to the body member and are held under yielding tension to roll one upon the other to automatically return to normal when displaced.

1,537,294. UNIFORM-GOLD PROTECTOR. PERCY A. DE COURCY, Boston, Mass. Filed Feb. 15, 1923. Serial No. 619,250. 5 Claims. (Cl. 150—52.)



1. A protector for folding around and covering the portions of a garment on which tarnishable insignia are mounted, said protector having an inner surface of soft, flexible, lintless, pile fabric to rest against the insignia, an outer surface of tough, flexible material, means for stiffening the protector between the folds thereof and means for fastening the protector on the garment.

1,537,295. INDICATOR. HARRY FRIEDMAN, Tiffin, Ohio. Filed July 24, 1924. Serial No. 728,037. 7 Claims. (Cl. 273—161.)



7. In an indicator, a table, a ring of magnetic material supported on the table, a source of electric current, a wire having portions extending in straight lines across portions of the ring and connected to the source of current, a rotatable member, a magnet supported on the rotatable member and having a coil connected to one terminal of the source of current and the other terminal connected to the ring, the ring connected to the wire at a plurality of points, a disc having designating characters located in subdivisions of the disc and positioned in indicative relation to the rotatable member.

1,537,296. SAFETY FUSE. ADDISON F. GEARHART, MacDunn, W. Va. Filed May 5, 1922. Serial No. 558,816. 2 Claims. (Cl. 200—133.)

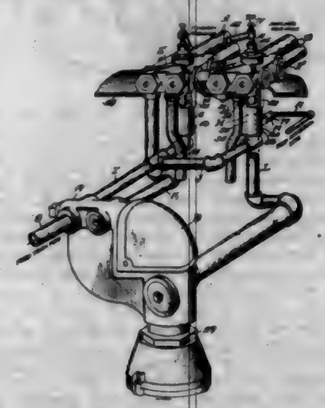


1. A safety fuse comprising a block of insulating material formed of separable sections detachably secured together, said sections being formed with spaced parallel longitudinally extending semicylindrical mating passages leading near their ends into angular recesses, a pair of terminals associated with each passage and including an angular head engaged within the angular recesses and further including a reduced extension projecting beyond the end of the block for connection with current carrying wires, and a fuse wire connected with each pair of terminal members.

1,537,297. METHOD OF PRODUCING EBONITE SHEET. WILLIAM C. GEER and HAROLD GRAY, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Aug. 25, 1923. Serial No. 659,244. 3 Claims. (Cl. 18—56.)

1. The method of producing ebonite sheet which comprises vulcanizing sheeted stock in rolled form, successive convolutions of the stock being separated only by a layer of rubber-dusting powder, and at least surface regions of the stock having incorporated therein an amount of stiffening material sufficient to cause the stock to be nonadhesive throughout the period of vulcanization.

1,537,298. HEATING SYSTEM. EGBERT H. GOLD and EDWARD A. RUSSELL, Chicago, Ill.; said Russell assignor to said Gold. Filed Mar. 24, 1919. Serial No. 284,616. 38 Claims. (Cl. 237—6.)



2. In combination, a railway car, a conduit to contain air under pressure, a radiator in the car, and automatically operated controlling means whereby the heating medium is circulated through all of said radiator when air pressure is present in said conduit and whereby said heating medium is circulated through only a portion of the radiator when air pressure is not present in said conduit.

28. In combination, a railway car, a radiator therein, controlling mechanism adapted to be set to establish a circulation of heating medium either through the radiator as a whole or through only a portion of same, and automatically actuated means for setting said controlling mechanism for the first mentioned control on attachment of the car to the locomotive, and for the second mentioned control on detachment of the car therefrom.

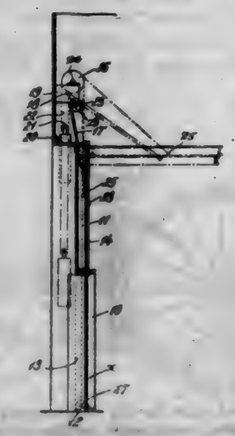
29. The combination with a railway car provided with a steam supply pipe and a pipe to contain compressed air, of two radiating coils in the car, a vapor regulator, two valves associated with said radiating coils, respectively, one of said valves adapted in one position to direct steam from the supply pipe to its radiating coil and then to the other valve and in another position to direct such steam immediately to said other valve, short circuiting said radiating coil and opening a drain therefrom, said other valve adapted in one position to direct steam to its radiating coil and therefrom to the vapor regulator, and in another position to direct steam immediately to the vapor regulator, short circuiting its radiating coil and opening a drain therefrom, steam motors associated with said valves, respectively, and communicating directly with the steam supply pipe so as to be subject to the high pressure therein, for operating said valve, and a valve actuated by pressure in said air pipe for controlling the admission of steam to one of said motors.

1,537,299. JACKET FOR SAND MOLDS. SAMUEL P. GREENE, Dayton, Ohio, assignor to The Standard Foundry Company, Dayton, Ohio. Filed Sept. 4, 1923. Serial No. 660,851. 3 Claims. (Cl. 22—112.)



1. The herein described method of casting jackets for sand molds consisting in adapting a sand flask as the pattern for a jacket, in using the flask so constructed to form the inner part of a sand mold for the jackets, in arranging cores relative the said inner part to complete the mold and in casting a jacket therein.

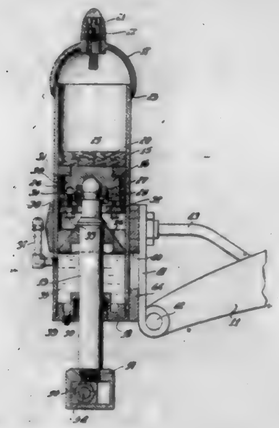
1,537,300. COUNTERBALANCING MECHANISM FOR SECTIONAL DOORS. EDWARD P. HAINES, Mount Airy, Pa., assignor to The Patent Appliance Company, New York, N. Y., a Corporation of New Jersey. Filed June 9, 1921. Serial No. 476,248. 11 Claims. (Cl. 20—19.)



1. A door with horizontally opposite parts arranged to move vertically, and supporting means engaging the side edges of the door at points materially below its

upper edge, arranged to swing the door as its vertically movable parts are raised, combined with a pair of counterweights, a sheave on each counterweight, a pair of vertically spaced stationary sheaves above the path of travel of each counterweight, and a counterweight rope running under each counterweight sheave, over the stationary sheaves, and attached to spaced points on the edges of the door.

1,537,301. SHOCK ABSORBER. JOSEPH HOFFMAN, Cleveland, Ohio. Filed June 2, 1923. Serial No. 643,077. 7 Claims. (Cl. 267—65.)



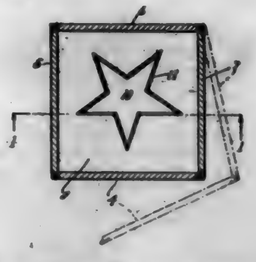
3. In combination, a pair of vehicle sections, a cylinder on one of said sections, a piston operatively connected to the other of said sections, a member movable with the piston, and a liquid within the cylinder surrounding the piston rod and also surrounding said member, and said member being so arranged that movement thereof through the liquid is restricted to a greater degree when the piston is moved in one direction than when the piston is moved in the opposite direction.

1,537,302. RAILROAD SPIKE. JAKOB HOJNOWSKI, Nekoosa, Wis. Filed July 6, 1923. Serial No. 649,855. 3 Claims. (Cl. 85—27.)



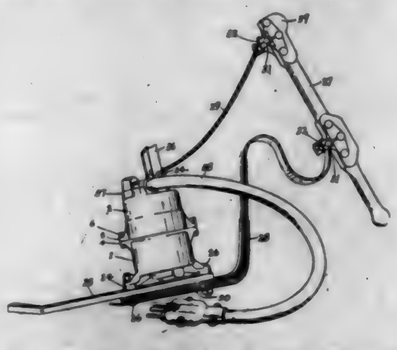
1. A railroad spike having a backwardly facing tongue formed thereon, said spike having a passage therethrough in line with the tip of said tongue whereby the said tip may be forced outwardly, after insertion of the spike in a tie, by a nail inserted through said passage.

1,537,303. MOLD. GEORGE S. HUNT, Chicago, Ill. Filed Nov. 16, 1923. Serial No. 675,108. 5 Claims. (Cl. 25—123.)



1. A mold comprising sides and a bottom, said bottom being recessed to receive portions of a metallic member having projection above the bottom between the sides of the mold, substantially as described.

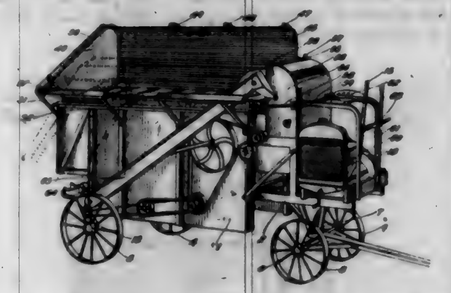
1,537,304. TAMPER AND LIKE IMPACT TOOL. CORWILL JACKSON, Chicago, Ill. Filed Sept. 13, 1924. Serial No. 737,582. 14 Claims. (Cl. 104—13.)



1. In a structure of the class described, the combination of a housing comprising detachably connected top and bottom members having opposed bearing boxes in their ends, said bearing boxes having annular oil grooves adjacent the inner ends thereof, there being discharge passages leading from said grooves to the outside of the housing, said housing members having lubricant feed reservoirs therein opening to said bearing boxes, a motor field unit mounted in said top housing member and constituting therewith an assembled unit, a shaft, bearings for said shaft removably engaged in said bearing boxes, said shaft being provided with oil retaining flanges disposed in the planes of said oil grooves, an armature mounted on said shaft, an unbalancing weight mounted on the lower end of said shaft, said shaft, bearings, armature and unbalancing weight constituting an assembled unit removable when said housing members are disconnected, a tool mounted on said bottom housing member, and a handle bar having a resilient connection to said housing.

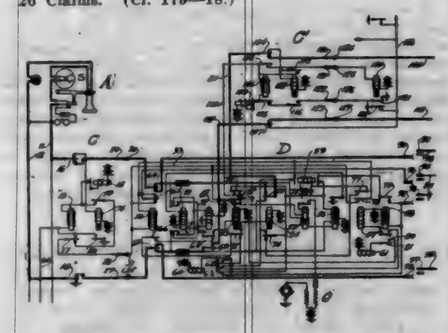
1,537,305. THRASHER. WINFRED JACOBS, Dodge City, Kans., assignor to Avery Company, Peoria, Ill., a Corporation of Illinois. Filed May 2, 1921, Serial No. 466,171. Renewed Oct. 25, 1924. 8 Claims. (Cl. 130—21.)

1. In a thrashing machine, the combination of a casing having an opening in its top, thrashing devices within the casing, a conveyor extending longitudinally of the casing beneath the opening in the top thereof and adapted to deliver material to be thrashed to the thrashing devices, a shelf extending lengthwise of the opening in the top of the casing and projecting laterally therefrom,



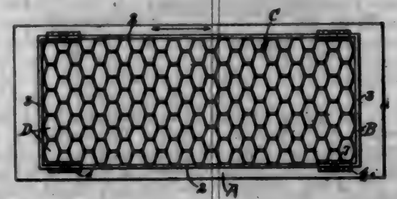
and a guard extending upward from the opposite side of the opening in the top of the casing and projecting laterally over said opening.

1,537,306. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Port Washington, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 26, 1920. Serial No. 376,501. 26 Claims. (Cl. 179—18.)



9. In a telephone system, a subscriber's line, means including a rotary line or trunk selecting switch for extending said line when calling into connection with an idle one of a plurality of trunk lines, movable wipers in said switch having no normal position as regards the said trunk lines, and means for automatically advancing the said wipers into connection with the next trunk line when the connection is released.

1,537,307. EGG TURNER. WILLIAM F. JEANS, Santa Rosa, Calif. Filed Feb. 12, 1924. Serial No. 692,241. 3 Claims. (Cl. 119—44.)



3. An egg turning tray, comprising a rectangularly shaped frame movable in the direction of its longitudinal axis, a support for the frame, and a plurality of cells or pockets formed in the frame for the reception of eggs, one egg in each pocket, said pockets having an elongated hexagonal shape and the longitudinal axis of each pocket extending transversely of the frame, said pockets having two V-shaped sides and two ends parallel with relation to each other and parallel with relation to the direction of movement of the frame.

1,537,308. FRUIT-PREPARING TOOL. CHARLES S. JENNER, San Francisco, Calif. Filed Oct. 13, 1924. Serial No. 743,302. 5 Claims. (Cl. 146—3.)



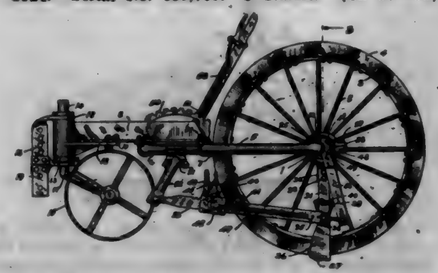
1. A fruit preparing tool comprising a long, slender blade having one cutting edge adapted to sever a fruit into halves and to cut around the pulp adjacent to, and concentrically with the rind, severing the pulp and radial fiber divisions from the rind, and a hook on the other edge of the blade adapted to remove the seeds from the severed halves, the transversely extending edge of the hook being blunt and unsharpened whereby to support the seeds thereon.

1,537,309. MOP. CLYDE NELSON JUSTICE, Greensboro, N. C., assignor to Justice Manufacturing Company, a Corporation of North Carolina. Filed Feb. 7, 1924. Serial No. 691,267. 5 Claims. (Cl. 15—220.)



1. A mop consisting of a looped main frame comprising separate wires having a plurality of endless circular-thrums crowded thereon and locked to the frame by twisting the wires, a cross-bar secured to the frame and a tab secured to said cross-bar adapted to be engaged by a mop holder.

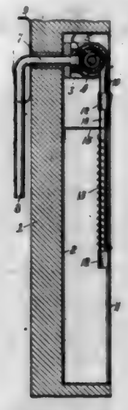
1,537,310. WEEDER AND CULTIVATOR. EARL KIMBER and EDGAR LLOYD, Wray, Colo. Filed Jan. 31, 1924. Serial No. 689,769. 5 Claims. (Cl. 97—52).



1. In a machine of the class described, in combination, a roller having an outer surface formed by a plurality of outwardly projecting helically arranged flanges, a frame to which the roller is pivotally connected, a caster guide-

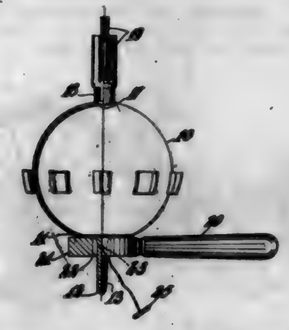
wheel secured to one end of said frame, a knife member secured to said frame, said knife extending parallel to the axis of the roller and in close proximity to the outer edges of said flanges, and means for adjusting said knife radially, said means comprising eccentrics rotatably secured to the axle of said roller.

1,537,311. SIGNAL DEVICE. TERRENCE J. KING, Toledo, Ohio, assignor of one-half to Clarence S. Ordway, Toledo, Ohio. Filed Dec. 17, 1923. Serial No. 681,221. 4 Claims. (Cl. 116—52.)



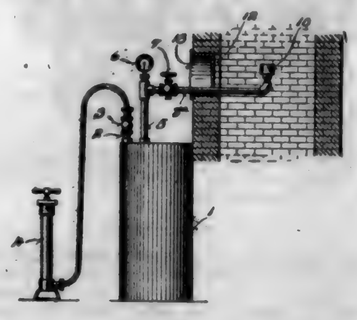
1. In combination with the side of a vehicle body and a casing embedded therein, a shaft journaled in the vehicle body side and having a crank arm disposed within the body, a bevel gear on the shaft disposed within the casing, a bracket in the housing, a shaft journaled in the bracket and disposed at right angles to the first named shaft, a bevel gear on the second shaft in mesh with the first named gear, an arm fixed to the second shaft and movable into and out of the casing, a spring tensioned signal plate rotatable on the arm and having a curved inner corner, and a bracket in the casing formed to engage the said curved corner of the signal plate to rotate the latter on the arm upon movement of the arm to inoperative position.

1,537,312. MUSICAL TOP. ANTONI KOBONA, Newmarket, N. H. Filed Dec. 21, 1921. Serial No. 528,810. 1 Claim. (Cl. 46—32.)



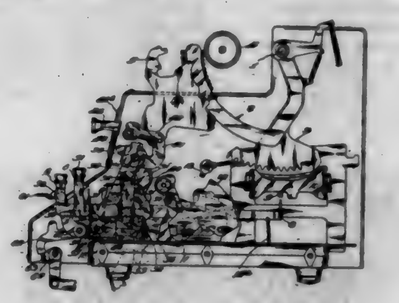
A top comprising a hollow spherical body having a series of openings spaced therearound, vanes curving outwardly and forwardly from the sides of said openings, a whistle member mounted on the top of said body, and a narrow elongated tip projecting downward from said body and forming a winding drum for a cord, said body presenting a flattened circular base portion from which said tip projects downward, said base portion being adapted to support the top on a suitable handle prior to spinning thereof.

1,537,313. CHIMNEY CLEANER. JOHN G. KOUDELKA, Antigo, Wis. Filed Jan. 10, 1922. Serial No. 528,142. 1 Claim. (Cl. 15—20.)



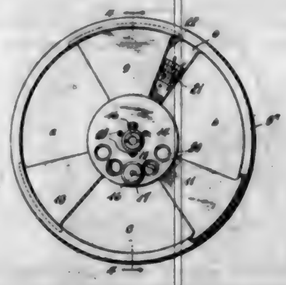
A chimney cleaner comprising a reservoir for fluid under pressure, means for forcing fluid into said reservoir, a conduit leading from said reservoir and adapted to be inserted within a flue opening, a removable cap for the extreme outer end of said conduit and a removable diaphragm held in sealing relation to the extreme outer end of said conduit by said cap, said diaphragm being adapted to rupture when a pre-determined fluid pressure is reached, whereby the entire system is subjected to uniform fluid pressure up to the extreme end of said conduit at the instant rupture of said diaphragm occurs.

1,537,314. KEY-CONTROL MECHANISM FOR ADDING MACHINES. HARRY LANDSIEDEL, Cincinnati, Ohio, assignor to Dalton Adding Machine Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 7, 1922. Serial No. 586,611. 16 Claims. (Cl. 235—60.)



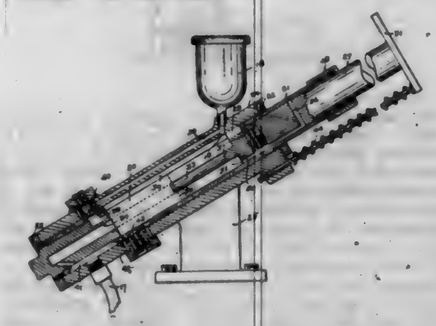
1. In an adding machine in combination with a main operating shaft and stop devices for restricting the movement thereof, a series of numeral keys, a universal control device adapted to be moved by the depression of any one of the numeral keys, means actuated thereby or adjusting the stop mechanism to stopping position, and a special key adapted when depressed to impart an excess movement to the universal control mechanism and thereby move the stop mechanism to a non-stopping position, substantially as described.

1,537,315. MOVING-PICTURE SHUTTER. CARL J. LANG, Olean, N. Y. Filed Dec. 20, 1922. Serial No. 607,989. 3 Claims. (Cl. 88—19.3.)



1. A shutter comprising two sections fastened together to rotate in the same direction and each having a plurality of cooperating radial blades and intervening openings, said sections being adjustable angularly with respect to each other, to vary the effective size of said openings, both sections having cooperating wide and narrow blades in the respective sections, the wide blades of the respective sections being located at respectively different angles to the narrow blades thereof.

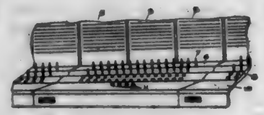
1,537,316. FLUID-ACTUATING MECHANISM FOR BRAKES. LOUIS P. LANSING, San Francisco, Calif., assignor of one-half to Harold N. Otto, San Francisco, Calif. Filed Mar. 3, 1923. Serial No. 622,557. 3 Claims. (Cl. 188—152.)



1. Fluid brake actuating mechanism, comprising a plurality of pressure-fluid-operable brake actuating devices, a pressure supply cylinder of two diameters and a piston of two diameters in said cylinder, means for advancing the piston in the cylinder by the operator and a fluid supply chamber having a port communicating with the cylinder, said port being closed by the piston when the piston is advanced and uncovered when the piston is withdrawn, and connections between said pressure supply cylinder and said devices, a one way valve to relieve the fluid otherwise trapped when the smaller piston and cylinder are functioning.

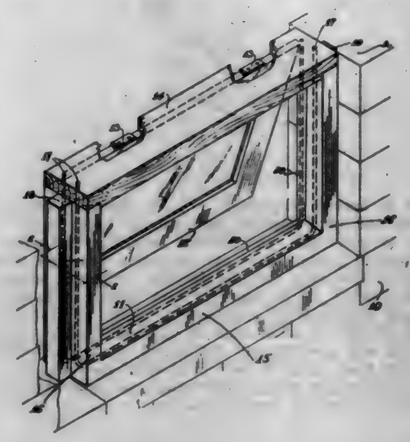
1,537,317. TELEPHONE SWITCHBOARD. JOHN H. LEWIS, Jr., Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 4, 1922. Serial No. 541,175. 9 Claims. (Cl. 179—91.)

9. In a switchboard, a plug shelf, plugs positioned on said plug shelf, a key shelf having keys thereon, said plug shelf and said key shelf being in different levels, and an inclined lamp shelf connecting said plug and key



shelves, the combination between two of said shelves being a hinge connection.

1,537,318. WINDOW-FRAME CONSTRUCTION. HERMAN LIPSTREUER, Cleveland, Ohio. Filed Aug. 20, 1923. Serial No. 658,203. 5 Claims. (Cl. 72—90.)



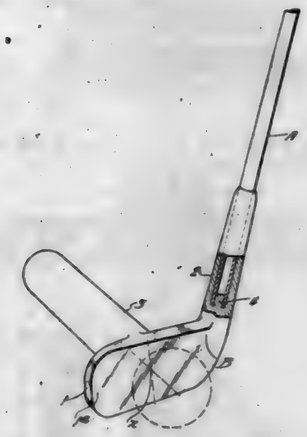
1. The combination of a masonry wall having an opening therein, a rectangular frame having one side of wood and the remaining sides of reinforced concrete positioned in said opening, the reinforcing element extending beyond the concrete and secured in the wood side and projections from said frame structure engaging with the wall for locking the frame in position.

1,537,319. LAND, MUD, AND WATER MOTOR CAR. WERNER LUCK, Brooklyn, N. Y. Filed Sept. 8, 1924. Serial No. 736,520. 1 Claim. (Cl. 115—1.)



A motor car for use on land and water, swamps or mud comprising a boat-shaped body, axles, rear and front wheels on said axles, means for allowing an independent elevation of said front and rear axles and wheels from the seat of the driver, and paddles connected with the rear wheels for allowing propulsion of the vehicle through the water and an immersion of the front wheels to enable a proper steering.

1,537,320. GOLF CLUB. CHARLES W. MARSH, Muskegon, Mich. Filed Oct. 19, 1922. Serial No. 596,489. 4 Claims. (Cl. 273—77.)



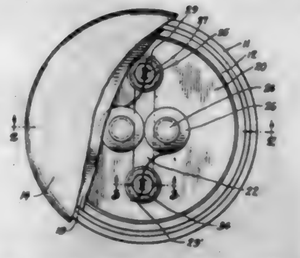
4. A putter comprising a head having a metallic blade and an elongated neck portion rising from one end of said blade and formed integrally therewith, a cylindrical protuberance cast integral with said blade, said protuberance being of sectional thickness approximately equal to the depth of said blade and having a length substantially equal to the width of said blade whereby the center of mass of said club head is located within said protuberance and behind the impact surface of said blade, and a hollow metal shaft having a tubular lower end, said neck portion being cast over said shaft to cool and rigidly contact thereon.

1,537,321. MONOGRAM PANEL. LEON MAYER, Chicago, Ill. Filed Oct. 18, 1923. Serial No. 669,316. 1 Claim. (Cl. 40—63.)



A monogram panel comprising a sheet metal stamping formed to provide an elongated rectangular frame having three square openings in the face thereof, partitions formed integrally on said frame and arranged between said openings, a flange struck out from the face of said frame and extending around the edges thereof, three square character plates arranged on said frame within said flange with the characters readable through said square openings, said plates being reversible in said frame to permit the characters to be readable either crosswise or lengthwise of said frame, oppositely disposed lugs struck out from said flange directly adjacent the ends of said partitions adapted to be bent over the backs of said plates for clamping opposed edges of said plates against said partitions, and a pair of prongs struck out from said flange at the ends of said frame adapted for attachment to a support.

1,537,322. RADIO TELEPHONE RECEIVER. EINAR W. NIELSEN, Newark, N. J. Filed May 25, 1922. Serial No. 563,562. 7 Claims. (Cl. 179—117.)



5. A fixed field magnet of circular shape having an elongated open slot passing through its center, and a pair of electro-magnet elements fixed on said field magnet upon opposite sides of the slot therein.

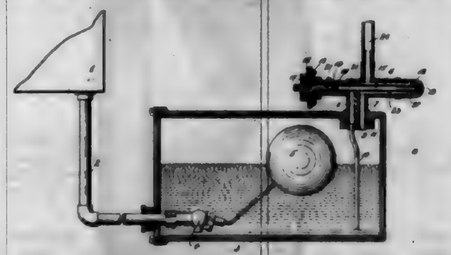
1,537,323. AUTOMATIC STOP FOR PHONOGRAPHS. WILLY RIBS, Berlin, Germany, assignor to N. V. Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Filed Dec. 3, 1923. Serial No. 678,087. 1 Claim. (Cl. 190—122.)



In combination with the turn table of a phonograph having a lateral surface, a bearing having a recess substantially perpendicular to the said lateral surface, a brake bolt located in the said recess and having both of its ends projecting out of the said recess, the end of said brake bolt adjacent the said turn table having an enlargement, a compression spring located within the said recess and having one of the ends thereof abutting the said enlargement, a brake member connected to the said brake bolt adjacent the said enlargement and adapted to exercise a braking effect on the said lateral surface, a latch lever pivotally mounted to the said bearing adjacent the said turn table and having an opening through which the said enlargement projects, the said latch lever being adapted to engage the said enlargement at one of the edges of the said opening, a second bearing substantially perpendicular to the recess of the first mentioned bearing and located on that side of the first mentioned bearing which is opposite to the said turn table and an adjusting lever pivotally mounted on the second bearing and adapted to engage the adjacent projecting end of the said brake bolt.

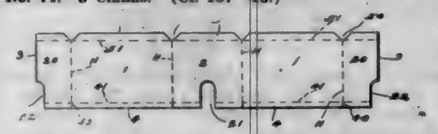
1,537,324. BURNER. JOHN A. SHERMAN, Worcester, Mass. Filed July 7, 1922. Serial No. 573,437. 4 Claims. (Cl. 158—76.)

3. An oil burner comprising a hollow casing provided with a hollow nozzle having a burner opening, a tubular oil-supplying member mounted in said casing and having a perforated tip in alinement with said burner opening, said tip extending into said hollow nozzle, said tubular member being of lesser diameter than the chamber of said hollow casing and the said tip being of lesser diameter than the chamber of said hollow nozzle, thus affording an annular air passage to said burner opening, a compressed air supply pipe communicating directly with said annular air passage, said burner casing having a neck by which it may be attached to an oil tank, said neck having an air passage communicating with said annular air passage and an oil passage communicating with said tubular oil supplying member through an



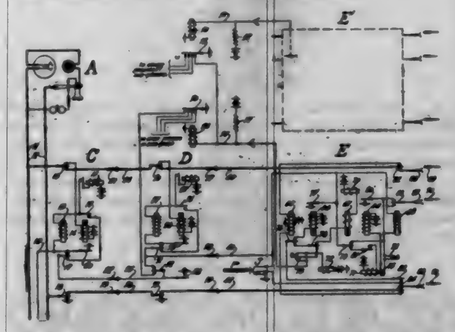
opening with which said oil-supplying member is provided, a cap with which said tubular member has a screw-threaded connection, said casing having an annular groove adjacent said cap, and a two-part ring attached to said cap and extending into said groove, so that by turning said cap said oil-supplying member may be adjusted longitudinally to vary the operative size of said opening to regulate the oil feed.

1,537,325. METER BOX. CECIL R. SMITH and WILLIAM E. SMITH, Seattle, Wash. Filed Jan. 2, 1925. Serial No. 74. 3 Claims. (Cl. 137—18.)



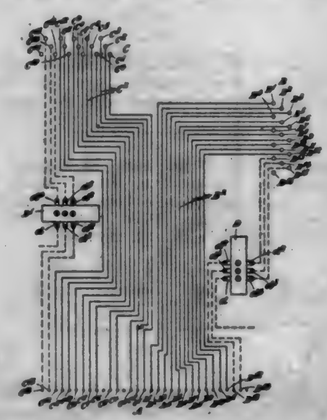
1. A meter box comprising a plurality of walls bent from a strip of sheet metal to form an enclosure open at its top and bottom, the ends of said strip meeting in an end wall of the enclosure, pipe-receiving slots extending upward from the bottom of the end walls, the slot at one end coinciding with the adjoining ends of the strip, and the adjoining ends above such slots being connected by welding, and means for supporting a cover upon the top of said enclosure.

1,537,326. MAKE-BUSY SCHEME FOR TELEPHONE SYSTEMS. BERNARD D. WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,761. 11 Claims. (Cl. 179—18.)



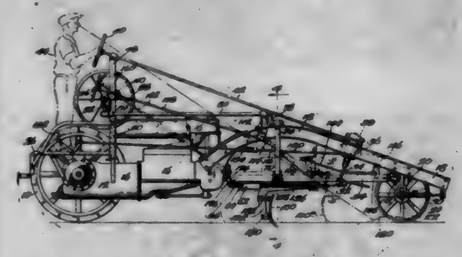
1. In a trunking system, a group of trunks, a switch having access thereto, a conductor common to said group maintained at a certain potential at each of said trunks, means for taking said trunks for use, means responsive to the taking for use of each of said trunks for removing said certain potential from said conductor at one point, and means responsive to the removal of said certain potential at the last trunk to be taken for use for rendering said switch non-selectable.

1,537,327. TYPOGRAPHIC COMPOSING MACHINE. JAMES BARCLAY, London, England. Filed Oct. 31, 1924. Serial No. 747,130. 6 Claims. (Cl. 199—77.)



1. In a typographic casting machine the combination with a positioning mechanism comprising a series of signal-controlled gauges, of an additional gauge, and a diverter responsive to a special signal to operate the additional gauge.

1,537,328. ONE-MAN POWER GRADER. WILLIAM T. BEATTY, Flossmoor, Ill. Filed July 31, 1924. Serial No. 729,397. 29 Claims. (Cl. 37—156.)

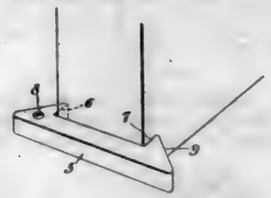


1. In a self-propelled road machine, a cutting blade carried over the ground by a machine sustained by not to exceed four wheels and located between the front and rear wheels thereof, a power plant, an operator's station, means selectively adjusting the blade vertically, diagonally and latitudinally from said station, said blade and station being located at points on the machine where the eye of the operator without moving his head can embrace the front end of the blade, the surface of the road in profile, immediately ahead of the blade and the road in front of the machine for a substantial distance.

1,537,329. DOOR CATCH. HAROLD S. BIRD, Cambridge, Mass. Filed Feb. 8, 1924. Serial No. 691,404. 2 Claims. (Cl. 292—216.)

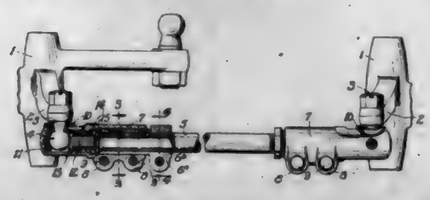
1. In combination, a swinging door and a wall toward or away from which said door is adapted to swing, of

a pivoted check in the path of movement of said door and adapted to engage and hold the same when the



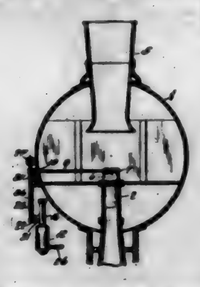
door has moved a predetermined distance, and a cam surface on said check engageable with said wall when the said door has been engaged with the check.

1,537,330. CROSS TUBE FOR STEERING GEARS. LAURENCE RAY BUCKENDALE, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Ohio. Filed Mar. 7, 1924. Serial No. 697,682. 3 Claims. (Cl. 287—90.)



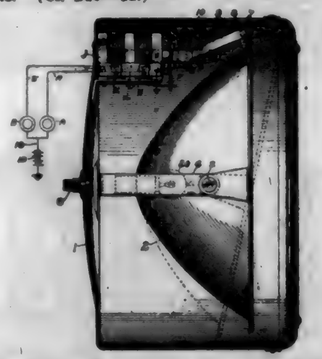
1. A steering gear construction comprising a cross tube having threaded ends, a tubular sleeve having threaded engagement with the thread of the cross tube and also having threaded engagement with a tubular fitting, said sleeve being split endwise and said fitting being also split endwise and provided with lugs, clamping bolts extending through said lugs, a disk mounted to move endwise of said fitting and bearing against the end of said sleeve, and a spring-positioned plunger inside of said fitting having at its end a bearing portion adapted to co-operate with a counterpart bearing member on an arm of the steering knuckle.

1,537,331. EXHAUST-NOZZLE COVER. HARRY A. CAMPBELL, Portland, Oreg. Filed June 30, 1924. Serial No. 723,425. 4 Claims. (Cl. 162—4.)



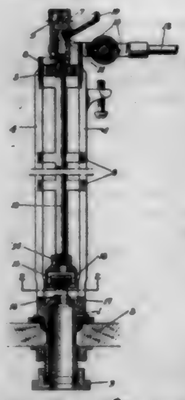
1. In a locomotive boiler, the combination of an exhaust nozzle, a cover hingedly connected to close said nozzle, said cover mounted upon a rotatable rod extending outwardly of the boiler shell, a steam cylinder connected with a source of steam supply under pressure controlled by the main engine throttle, and operative connections between said cylinder and said rod to open and close said nozzle through said cover.

1,537,332. HEADLIGHT. JOSEPH P. CARNEY, Chicago, Ill. Filed Nov. 22, 1923. Serial No. 676,825. 5 Claims. (Cl. 240—41.)



1. A headlight comprising a casing, a reflector tiltably mounted therein and an electromagnetic control device mounted in said casing for tilting said reflector, said control device including a pair of solenoid windings disposed coaxially in alinement, a movable core mounted therein for lengthwise actuation by said windings, an armature normally engaging said core to prevent movement thereof and being releasable by electromagnetic action to release said core when either of said coils is energized, and mechanical means operatively connecting said core to said reflector, whereby movement of said core in one direction tilts said reflector downwardly, and reverse movement of said core restores the reflector.

1,537,333. BALL COCK. ROMEO A. CASAROTTI, Oakland, Calif. Filed Apr. 24, 1924. Serial No. 708,075. 5 Claims. (Cl. 137—104.)



3. A ball cock including a water intake member formed with a valve seat, a float-operated plunger structure slidably mounted for movement to and from the intake member, said structure including a head having a valve to engage the seat, a tube connected to said head, and another head to which the other end of the tube is connected, both heads having passage means leading from the exterior thereof to the tube.

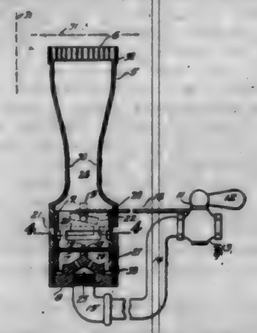
1,537,334. SPINNING TOP. BERNHARD CLUSS, Newark, N. J. Filed June 5, 1922. Serial No. 566,156. 2 Claims. (Cl. 46—32.)

1. As a new article of manufacture, a block of hard wood formed to present a generical conical shape having parabolic side walls, an arcuate top joined by curves to said side walls, a flanged metallic head blending into the parabolic walls, on the lower end of said block,



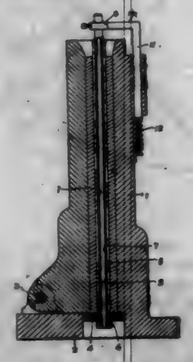
means for securing said head in axial position, and a coarse helical channel formed in the side walls from a point near the bottom to a point midway in the height of the block.

1,537,335. GAS BURNER. CHARLES N. CROSS, Stanford University, Calif. Filed Mar. 14, 1921. Serial No. 451,089. 6 Claims. (Cl. 158—119.)



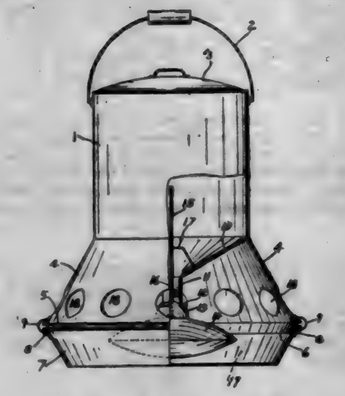
1. In a gas burner, an apertured chambered base having mounted thereon a needle, a burner tube fixedly attached to said base, a partitioned sleeve within said tube and arranged to move axially in respect to said tube when rotated, an orifice in said partition of said sleeve, and means for effecting the rotative and axial movements of said sleeve.

1,537,336. MEANS FOR MAKING TUBULAR ARTICLES. RICHARD S. CURRIE, Toronto, Ontario, Canada. Filed Apr. 19, 1924. Serial No. 707,705. 2 Claims. (Cl. 22—151.)



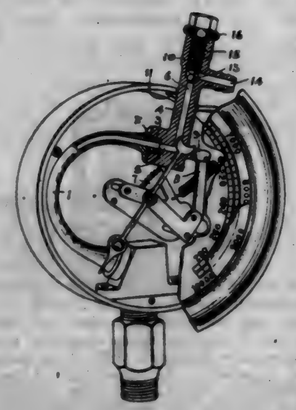
1. A means for moulding tubular articles, comprising, a vertically arranged mould formed in two longitudinal sections, one being rigid with the base and the other hinged to swing outwardly, a perforated core tube secured at the bottom end of said mould, and means carried by the fixed portion of said mould and connected with the upper end of said core tube for applying an elastic tension thereto.

1,537,337. FEEDING FOUNTAIN FOR POULTRY. DANIEL DE ANGULO, near Dayton, Ohio. Filed June 6, 1924. Serial No. 718,401. 2 Claims. (Cl. 119—80.)



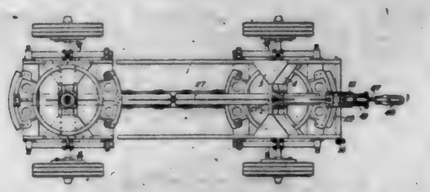
1. A device of the type described comprising a tank, a partition in the latter having a downwardly projecting tubular part, a trough secured to the bottom portion of the tank to receive feed poured into the top of the latter, said tank provided around its lower portion with holes through which fowls may project their heads to feed from the trough, a float within the trough, and a valve on the float adapted to engage the lower end of the tubular part of said partition to shut off the flow of liquid to the trough when the latter is filled.

1,537,338. HOMOGENIZER GAUGE. CHARLES DEVEREAU, Toronto, Ontario, Canada, assignor to The James Morrison Brass Manufacturing Company, Limited, Toronto, Canada. Filed Nov. 11, 1922. Serial No. 600,386. 2 Claims. (Cl. 73—109.)



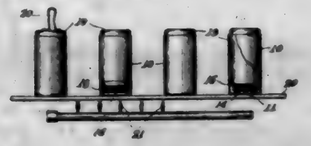
1. A homogeniser gauge having a hollow stem extending outwardly from the free end of the tube spring, and a valve closing said hollow stem.

1,537,339. SHORT-TURN TRAILER. JOHN M. EADIE, New York, and OSCAR P. LIEBREICH, Brooklyn, N. Y.; said Liebreich assignor to said Eadie. Filed Sept. 18, 1923. Serial No. 662,899. 23 Claims. (Cl. 280—33.44.)



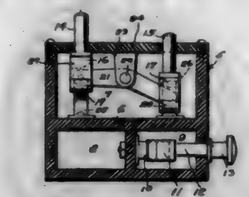
1. A draft connection and coupling for short turn trailers comprising an intermediate coupler which is pivotally connected at either end for both horizontal and vertical adjustments, and means for locking either of the pivotal connections against horizontal pivotal movements at will but permitting vertical pivotal movements.

1,537,340. PROCESS FOR ASSEMBLING BATTERY CELLS. RICHARD MAX EATON, Niagara Falls, N. Y., assignor to Niagara Searchlight Company, Inc., Niagara Falls, N. Y., a Corporation of New York. Filed Apr. 15, 1924. Serial No. 706,723. 3 Claims. (Cl. 136—38.)



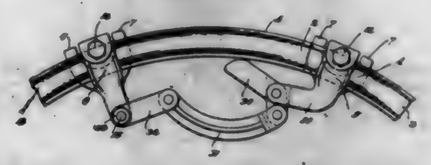
1. The process of assembling electric battery cells consisting of placing paraffin in the bottom of the zinc shell, entering the carbon element to rest on the paraffin, inserting a hollow cylindrical adjuster between said carbon element and the wall of said shell, applying sufficient heat to the lower portion of said shell to soften the paraffin, permitting the cell to cool, removing the adjuster, filling the space between the carbon and shell with an excitant, and sealing the end of the cell.

1,537,341. AUXILIARY SWITCH FOR THE LIGHTING SYSTEMS OF AUTOMOBILES. EARL J. FRENCH, Escanaba, Mich. Filed Oct. 26, 1921. Serial No. 510,486. 1 Claim. (Cl. 200—59.)



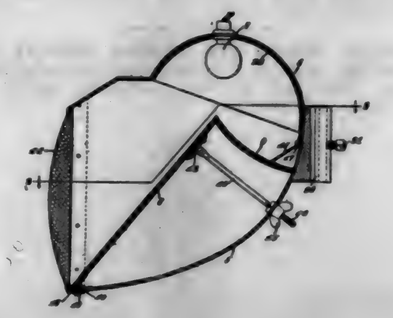
A device of the character described comprising a casing, a horizontally disposed switch located in the lower part thereof and constituting a main line switch, said main line switch comprising an operating plunger projecting horizontally through a wall of the casing, a pair of switches disposed in the upper part of the casing, a pivoted interlocking bar between said switches to cause them to move together, said switches comprising vertically disposed plungers projecting through the top of the casing and a clamp carried by the casing and adapted to clamp said casing upon one of the spokes of a steering wheel and in such position as to cause the vertically disposed plungers to lie within the plane of the wheel between the rim and the center of the wheel and to cause the horizontally disposed plunger of the main line switch to lie below the plane of the rim of said steering wheel.

1,537,342. RIM TOOL. WILLIAM FRICK and FRANK KLIMA, Detroit, Mich. Filed Sept. 25, 1923. Serial No. 664,077. 1 Claim. (Cl. 157—1.)



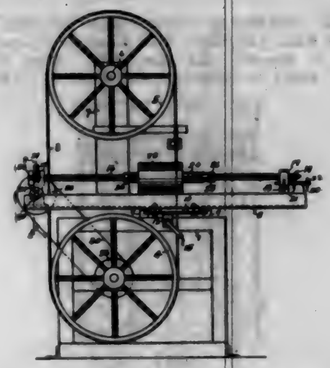
A rim adjusting device comprising gripping members, each gripping member having rim engaging jaws and adjustable engaging heads, the heads adapted to cooperate with the jaws in gripping the flanges of a rim contiguous to the split ends thereof, an angular lug carried by one of said gripping members and extending towards the other gripping member, a three part linkage between said gripping member composed of an actuating member pivotally connected to one of said gripping members and adapted to be swung in an arc relative thereto, a pivoted fulcrum member carried by the angular lug of the other gripping member and a curved link connecting said actuating member to a short arm of said fulcrum member so that said actuating member may shift the last mentioned gripping member and thereby move one split end of a rim relative to the other end of the rim.

1,537,343. AUTO HEADLIGHT. LUTHER GIFFORD, EDWARD H. SCHULTZ, and CHARLES L. WEST, St. Cloud, Minn.; said Schultz assignor of his entire right to William L. Sell, St. Cloud, Minn. Filed Sept. 25, 1923. Serial No. 664,749. 2 Claims. (Cl. 240—41.)



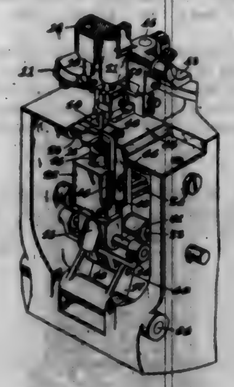
1. A lamp of the class described including a body portion, a reflector positioned within the body portion, said reflector having a forward end hingedly connected to one wall of the body portion, an upper curved section forming a part of the reflector and having one edge thereof normally engaging one wall of the body portion, means for moving the reflector, towards and away from the rear wall of the body portion, and means having connection with the body portion and contacting with the upper curved section of the reflector for preventing light rays from passing to the rear of the reflector.

1,537,344. SAW FOR CUTTING PAPER ROLLS. WILLIAM B. GILES, Park Place, TEX. Filed Oct. 30, 1922. Serial No. 597,730. Renewed Mar. 14, 1925. 7 Claims. (Cl. 164—35.)



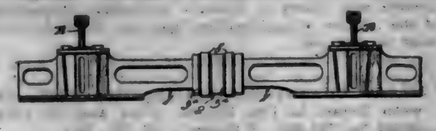
1. A device of the character described including a framework, band saw pulleys mounted thereon, a band saw operating over said pulleys, means for driving one of said pulleys, an adjustable support carried by the framework and provided with said bearings, a shaft mounted in said bearings means for adjustably mounting a paper roll on said shaft, means for manually adjusting said support toward and from the saw.

1,537,345. MACHINE FOR INSERTING FASTENERS. SYLVESTER LEO GOOKIN, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 12, 1920. Serial No. 373,219. 44 Claims. (Cl. 218—14.1.)



43. An eyelet-inserting machine having, in combination, an eyelet set having a clenching shoulder arranged to be introduced through one of the layers of the work to clench the entering end of an eyelet barrel between adjacent layers of the work, a stripper arranged to engage the work adjacent to the lacing hole in which the eyelet is inserted, and means for causing positive relative movement of the set and the stripper to strip the work from the set after the eyelet has been clenched.

1,537,346. RAILWAY-TIE COUPLING. WILLIAM R. GOEBEL, Alhambra, and HENRY BARKSCHAT, Los Angeles, Calif. Filed June 9, 1924. Serial No. 718,902. 4 Claims. (Cl. 238—31.)



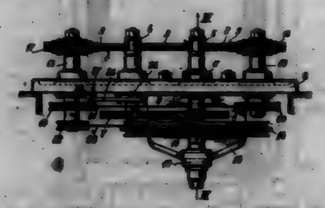
1. In a device of the class described, an elongated coupling for the reception of the ends of tie-sections, said coupling being provided with a removable side plate, and band encircling said coupling for maintaining said plate in operative position.

1,537,347. LOUD-SPEAKING TELEPHONIC APPARATUS. EDWARD ALFRED GRAHAM, Brockley, London, England. Filed June 30, 1924. Serial No. 723,883. 3 Claims. (Cl. 179—146.)



1. Portable loud speaking telephonic apparatus comprising a case having an opening therein and a movable wall normally closing said opening, a loud speaking telephone comprising a telephonic receiver and a sound conduit, wholly located within said case, the sound conduit having a flared outlet end occupying the opening in said case, collapsible supporting means adapted to hold said case above the ground in position for use and coacting detachable screw threaded connecting means carried by the case and collapsible supporting means, substantially as described.

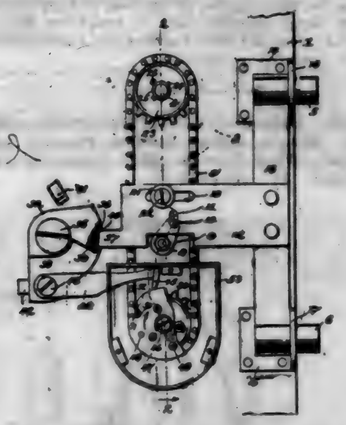
1,537,348. APPARATUS FOR THE MANUFACTURE OF IGNITION PELLETS, HAVING A COMBUSTIBLE CORE AND AN IGNITION MATERIAL WHICH MAY BE KINDLED ON A FRICTION SURFACE. HANS GROSSMANN, Zurich, Switzerland. Filed Nov. 26, 1921. Serial No. 518,077. 4 Claims. (Cl. 18—21.)



1. In apparatus of the type described, the combination of two circumferentially coacting discs adapted to rotate in opposite directions, cavities provided on the circumference of said discs spaced to coincide with each other upon the rotation of said discs, means to feed a plastic string to said discs for being shaped to pellets by said discs, a radial bore communicating with each cavity, a

pin slidably arranged in each bore, springs on said pins, a cam disc cooperating with the rear ends of said pins for causing an axial displacement of the latter against the action of said springs whereby the pellets are ejected, and means to cause a momentary lubrication of the interior of said cavities upon the forward movement of each pin.

1,537,349. CHANGEABLE-COMBINATION LOCK. OSWALD HAASE, La Paz, Bolivia. Filed Aug. 12, 1924. Serial No. 731,626. 8 Claims. (Cl. 70—58.)



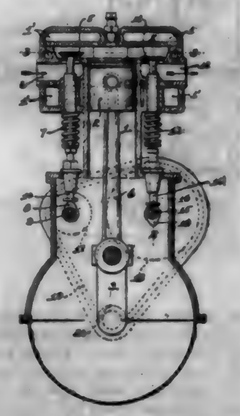
1. In a combination lock, the combination of an operating spindle; a sprocket wheel mounted on said spindle for rotation therewith; a second sprocket wheel; tumbler mechanism associated with and adapted to be operated by rotation of said second-mentioned sprocket wheel; and a sprocket chain connecting said sprocket wheels.

1,537,350. SAFETY DEVICE FOR ELEVATORS. LEE C. HALSEY, Murphysboro, Ill. Filed Dec. 26, 1922. Serial No. 609,016. 2 Claims. (Cl. 187—78.)



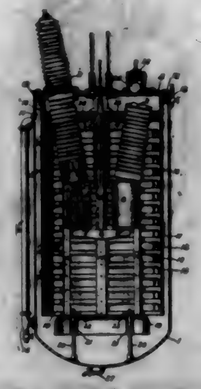
2. The combination with an elevator car and the uprights of the elevator shaft, of racks on the uprights, transversely and oppositely slidable bars on the car, shafts on the slidable bars, pinions and winding drums on the shafts, the pinions being arranged to engage with and be rotated by the racks to rotate the drums, cams mounted on the car and arranged to engage with the opposite untoothed side faces of the uprights, and cables connected to and windable on the drums and connected to the cams.

1,537,351. INTERNAL-COMBUSTION ENGINE. HAROLD A. HALL, Los Gatos, Calif., assignor of one-half to Earle C. Fancher, San Jose, Calif. Filed Dec. 26, 1924. Serial No. 758,058. 4 Claims. (Cl. 123—90.)



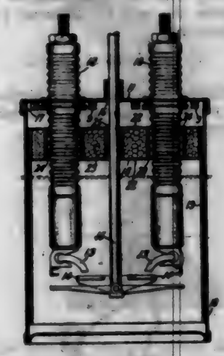
1. In an engine having a cylinder with a piston operable therein, said cylinder having a port for the passage of the impelling fluid; a plurality of valves for controlling said port; and means for operating said valves successively in timed relation to the piston movement.

1,537,352. ELECTRICAL APPARATUS. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Oct. 23, 1919. Serial No. 332,621. 29 Claims. (Cl. 200—150.)



14. In an electric switch, the combination with a vessel adapted to be filled with an insulating fluid, relatively movable cooperating contacts separable in said fluid, a chamber within said vessel communicating with said fluid and containing a gas, and means for varying the gas pressure within said chamber and hence the pressure exerted upon the insulating fluid in said vessel.

1,537,353. ELECTRIC SWITCH. JOHN D. HILLIARD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Feb. 8, 1921. Serial No. 443,440. 12 Claims. (Cl. 200—150.)



1. An oil switch provided with an outlet for the gases formed by the opening of the circuit and a porous mass forming a plurality of extended narrow passages for the escape of said gases located in said outlet.

1,537,354. SICKLE BAR. CHARLES F. HOVEE, Conrad, Mont. Filed Mar. 10, 1924. Serial No. 698,802. 9 Claims. (Cl. 56—300.)



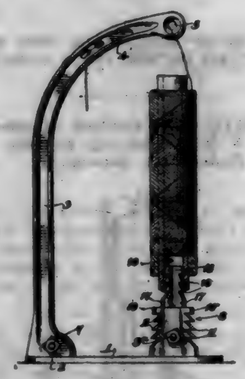
4. In a cutting mechanism, a sickle bar having a pocket, a blade having a stem seated in the pocket, and a resilient plate covering the pocket and stem and having one portion frictionally engaging the body of the blade and another portion frictionally engaging the stem of the blade.

1,537,355. COMBINATION COMPASS AND CHRONOMETER. SPENCER W. HUTCHISON, Oakland, Calif. Filed Aug. 27, 1923. Serial No. 659,603. 3 Claims. (Cl. 58—126.)



1. A combination compass and chronometer comprising a chronometer provided with a dial having time indicating indices thereon and pointers mounted upon a common centrally positioned post to indicate time; and a compass needle mounted upon the outer end of the post and independently movable thereon relative to the pointers and dial for indicating direction, said needle having inwardly bent ends adapted to engage the surface of the dial and maintain clearance between the needle and the pointers.

1,537,356. TWINE HOLDER. THOMAS C. JOHNSON, Quincy, Ill. Filed May 28, 1924. Serial No. 716,425. 4 Claims. (Cl. 242—141.)



1. A twine holder comprising a base having an upstanding twine-guiding arm at one end, an upstanding integral post formed at the other end thereof, said post having radial wings with teeth formed in their outer edges to impinge within the larger end of a twine-carrying cone and support the same, and a superimposed, integral post mounted thereon and having radial wings of less radial extent than those of the lower post to provide shoulders at the junction with the latter, and teeth formed in the outer edges of the same to impinge within one end of a twine-carrying spool or reel and support the same.

1,537,357. SAW-SETTING DEVICE. JOSEPH KAMPER, Greer, Idaho. Filed Sept. 4, 1924. Serial No. 735,912. 4 Claims. (Cl. 76—63.)

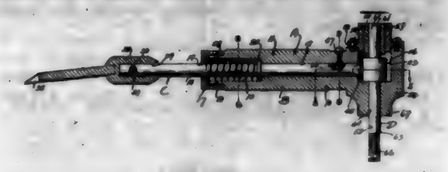


1. A saw-setting device including an anvil member, a punch member, a guide for the punch member, means for operating the punch member, means for adjusting the said guide toward and away from the anvil member, and means for regulating said adjusting means.

1,537,358. SURFACE-TREATING TOOL. LOUIS STEWART LARTIGUE, Charleston, W. Va. Filed Dec. 1, 1923. Serial No. 678,035. 4 Claims. (Cl. 125—6.)

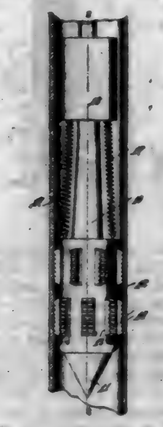
4. A surface treating tool comprising a casing having a compartment provided therein and a passageway leading from the compartment longitudinally through the casing, a cap carried by the forward end of said casing and having an opening disposed axially of the passageway, a cam in said compartment and rotatable therein,

a blade carrying shaft extending through the cap and passageway into the compartment and having an abutment, and a spring between the cap and abutment and



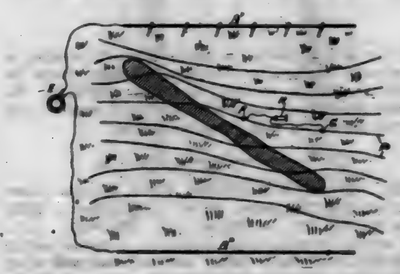
yieldably holding the blade carrying shaft against outward movement and its inner end in contact with said cam.

1,537,359. WELL-CASING PULLER. JOSEPH C. LEWIS, Farmington, N. Mex. Filed Aug. 26, 1924. Serial No. 734,278. 3 Claims. (Cl. 294—86.)



1. A well casing spear including a tapered stem, a casing slidable on the stem, wedge blocks in the casing, resilient suspending connections between the casing and stem, and means on the stem for engagement by the casing for limiting the movement of the casing in one direction on the stem.

1,537,360. ORE DETECTOR. HANS TORKEL FREDRIK LUNDBERG, Lidingo, Villastad, and HARRY JOHAN HJALMAR NATHORST, Stockholm, Sweden, assignors to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden, a Corporation of Sweden. Filed Jan. 24, 1919. Serial No. 272,803. 6 Claims. (Cl. 175—182.)



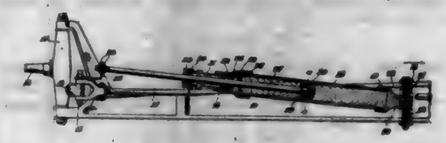
1. Apparatus for discovering and determining electrically the location of veins of ore or mineral, comprising two primary electrodes adapted to be brought into contact with the soil and connected with a source of electric current, at least one of said primary electrodes having a considerable extension in a horizontal direction in proportion to the distance between said primary electrodes, and two secondary electrodes connected with a sensitive receiving apparatus and adapted to be brought into contact with the soil at different points between the primary electrodes.

1,537,361. HEATER. WILLIAM A. MCGLAMERY, Asheville, N. C. Filed June 25, 1923. Serial No. 647,763. 3 Claims. (Cl. 126—120.)



1. A heater of the character described comprising a lower portion, an upper portion, and an upwardly inclined intermediate portion connecting the portions first mentioned, said intermediate and lower portion being provided with an open front, a grate basket fixed to the rear wall of the lower portion in a manner to underlie the rear inclined wall of the intermediate portion, a draft door controlling an opening arranged in the rear wall of the intermediate portion above the grate basket, means extending to the front of the heater for operating said draft door, a plate detachably secured to the side edges of the upper portion and slotted deflector plates curved downwardly and extending from the inner side of said plate as and for the purpose specified.

1,537,362. STEERING STABILIZER. WILLIAM J. MACLELLAN, Long Beach, Calif. Filed Aug. 2, 1923. Serial No. 655,335. 1 Claim. (Cl. 280—90.)



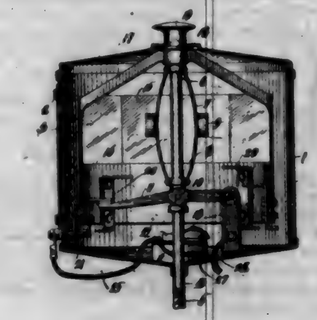
In a steering stabilizer, the combination of a U-shaped clamp adapted to straddle an axle, means to extend transversely through the free ends of the clamp abutting the axle limiting the clamp against endwise movement from the axle and adjustable for binding the clamp upon the axle, a hydraulic cylinder provided at one end with a cap terminating in a head having an inclined opening therethrough, a vertically disposed bolt extending transversely through the free ends of the clamp and through said opening in spaced relation to the axle pivotally mounting the cylinder to incline upwardly towards its free end, spacing sleeves upon the bolt at opposite sides of the head centering the head thereon, a piston in said cylinder and having a piston rod, and means adapted to form a connection between said rod and a vehicle steering arm.

1,537,363. FIGURE TOY. HENRY H. MARTIN, Louisville, Ky. Filed June 19, 1924. Serial No. 721,083. 3 Claims. (Cl. 46—40.)



1. A figure toy including a driven shaft, a figure supporting arm secured at its center to said shaft and having outstanding studs at its opposite ends, figures swivelled on the said studs and slightly overlapping one another in spaced planes, means for rotating the driven shaft, and means controlling such rotation and arranged to intermittently check the rotation as described.

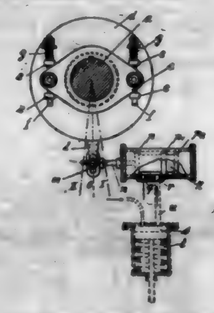
1,537,364. SPEED SIGNAL. HARRY E. MASON, Covington, Ky. Filed Apr. 24, 1922. Serial No. 556,226. 3 Claims. (Cl. 175—355.)



1. In combination, a casing, a rotatable member mounted in said casing, a plurality of spaced contacts of varying lengths on said rotary member, a lever pivoted in said casing, a circuit including said lever, said rotatable member adapted to be rotated so as to place one of said contacts in said circuit by being disposed in the path of movement of said lever, a signal in said circuit, and a governor mechanism for controlling said lever with respect to the contact which may be disposed in the path of movement of the lever so as to close the circuit in the manner and for the purpose specified.

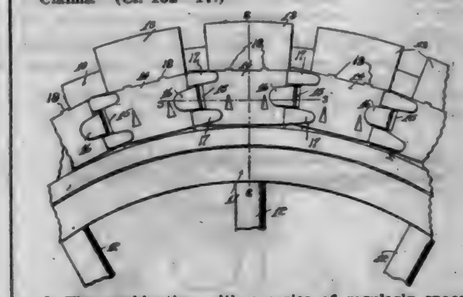
1,537,365. MECHANISM FOR THE AUTOMATIC REGULATION OF THE BRAKING FORCE OF COMPRESSED-AIR BRAKES. HERMANN MÜLLER, Siegen, Germany. Filed Mar. 21, 1924. Serial No. 700,911. 4 Claims. (Cl. 303—21.)

1. A mechanism for the automatical regulation of the braking force of compressed air brakes for railway cars designed to prevent the slipping of the braked wheels on the rails, comprising in combination with the brake cylinder and with the brake axle, a relieved piston valve, a casing of said piston valve, a casing of said piston valve fixed on the frame of the car, a tubular conduit connecting said valve casing with the pressure space of the brake cylinder, a rotating ring on the brake axle,



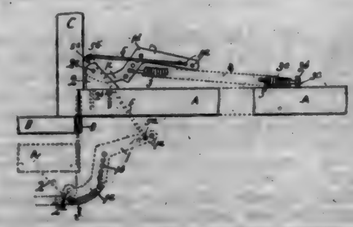
a sliding ring loosely mounted on said rotating ring, and means for connecting said sliding ring with said relieved piston valve so that said piston valve regulates the air pressure in the brake cylinder owing to the displacements in the casing within determined limits.

1,537,366. TIRE SHIELD. EDWARD L. NASH, St. Louis, Mo. Filed Mar. 27, 1924. Serial No. 702,354. 2 Claims. (Cl. 152—17.)



2. The combination with a series of regularly spaced tire shoe sections, of connecting means therebetween comprising a metal plate on each end of each of the sections and having prongs secured through the end of the section, one end of each plate having a transverse slot, the other end of each plate having a pair of offset tongues arranged in overlapping relation to an adjacent plate, and an intermediate tongue engaged through said slot and extended back onto the plate.

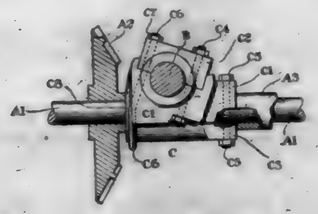
1,537,367. DOOR CLOSER. JOHN O. NASLIN, Seattle, Wash. Filed Oct. 23, 1923. Serial No. 670,280. 6 Claims. (Cl. 16—80.)



1. In a door closer, a counter-balance having a curved end adapted for spring-abutment and pivoted to a hinged part near its hinged edge, an outward projecting swinging end adapted for balance-arm connection, and an inter-

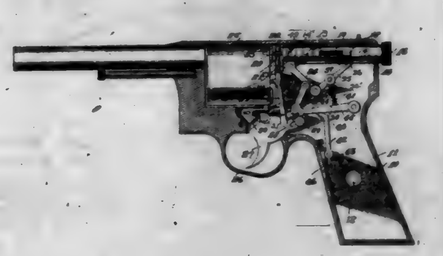
mediate portion adapted for spring connection, spring-means actuating the closing movements of said part, and means for maintaining said balance against the said spring-means.

1,537,368. BEARING BOX. RICHARD L. NEUBERT, Knoxville, Tenn. Filed Jan. 26, 1922. Serial No. 531,998. 5 Claims. (Cl. 308—74.)



1. In a structure of the kind described, the combination with an axle and a shaft and a body and an upper cap and a lower cap forming bearings transverse to each other, of means extending through the body and engaging both said caps, and additional means for separately binding said caps to said body, substantially as described.

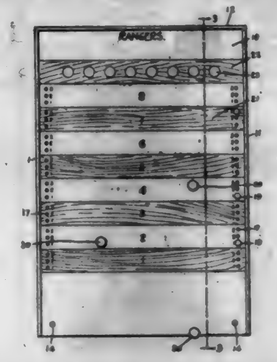
1,537,369. FIREARM. GUSTAV NICHOLSON, Itacuburi del Rosario, Paraguay. Filed Apr. 30, 1924. Serial No. 710,058. 4 Claims. (Cl. 42—59.)



2. A revolver mechanism including a slidable spring pressed hammer, a trigger, a pivoted arm movable by the trigger, an arm pivotally connected with the movable arm, a second arm pivotally connected with said movable arm, hammer engaging and releasing means on the first of the arms, and a safety means operable by the second pivotal arm.

1,537,370. GAME AND BOARD THEREFOR. ALBERT E. PRINCE, Indianapolis, Ind. Filed May 23, 1921. Serial No. 471,827. 1 Claim. (Cl. 273—126.)

The combination of a table or other substantially flat support, a plurality of headed retaining means such as nails, and a game apparatus independent of and detachable from said support and adapted to be positioned thereon and supported thereby, said apparatus comprising a pair of opposite, flat, unobstructed playing surfaces suitably legended and a peripheral wall projecting outwardly from both surfaces and simultaneously serving as a support and as a retainer and defining the playing area, said peripheral wall partially enclosing the playing area and leaving exposed an edge thereof for playing purposes, said apparatus having a plurality of openings adjacent the nonenclosed playing edge for receiving said retaining means which project through said



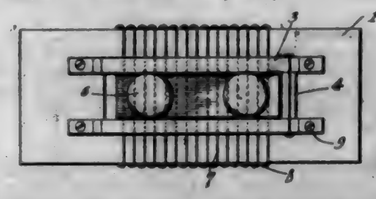
openings and are retained thereby and engage the support for anchoring the game apparatus thereto with either playing area exposed.

1,537,371. PROTECTION OF ALTERNATING-ELECTRIC-CURRENT SYSTEMS. WALDEMAR PETERSEN, Darmstadt, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 8, 1918. Serial No. 233,387. 11 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a high tension electric system, an alternating current apparatus having a neutral point, and an inductance connected between said neutral point and the ground and being dimensioned electrically substantially to neutralize the capacity current to ground of the ungrounded part of the system, whereby, upon grounding the system, the earth current is substantially suppressed at the point of breakdown.

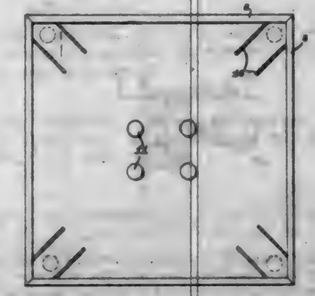
1,537,372. BUTTER CUTTER. PETER J. PITSON, Perrysburg, Ohio. Filed June 14, 1924. Serial No. 719,995. 1 Claim. (Cl. 31—22.)



A butter cutter including a base having an opening, separate cutting wires stretched across the opening, means engaging the ends of the respective wires for fastening the wires to the base, walls detachably mounted on the base at the sides of the opening and cooperating with the base to clamp the wires at intermediate points,

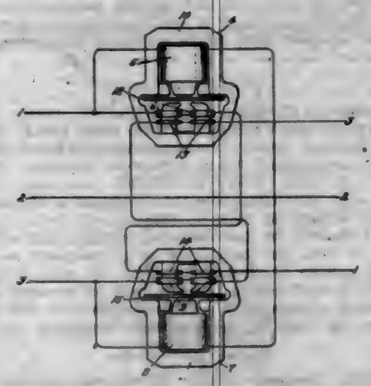
an end wall interposed between and clamped by the first named walls and flush with one end wall of the opening, an elongated plunger between and guided by the side walls and the end wall, and separate handles upstanding from the end portions of the plunger.

1,537,373. PUZZLE. JAMES G. PORTEUS, Marion, Ind., assignor of one-half to Sanford Clinton Jones, Marion, Ind. Filed Apr. 27, 1922. Serial No. 556,889. 1 Claim. (Cl. 273—113.)



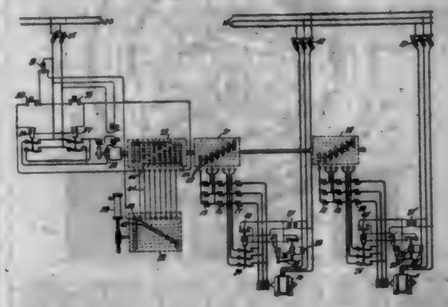
In a puzzle, a base, side walls secured to the base and extending upwardly therefrom, said walls having inwardly extended flanges, a cover of translucent material adapted to engage the flanges, a pair of spaced walls arranged in the corners of the base and extending at oblique angles with respect to the side walls, the central portion of the base being free of obstructions, balls mounted on the base to roll thereover, and said balls adapted to move from positions between the obliquely disposed walls at one corner of the base directly across the base to a position between the walls at the opposite corner of the base.

1,537,374. ELECTRICAL INSTRUMENT. WILLIAM H. PRATT, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 27, 1921. Serial No. 488,046. 8 Claims. (Cl. 171—303.)



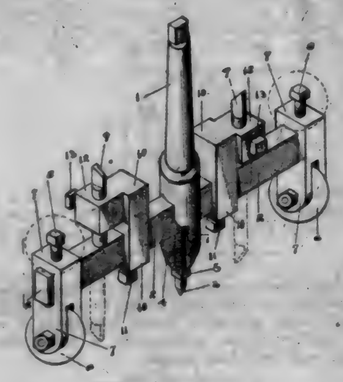
1. In combination with a three phase alternating current circuit, a meter for measuring the power flowing therein comprising a pair of single phase induction wattmeter elements having current and potential coils connected to measure the power flowing in said circuit and an auxiliary current coil on each of said elements connected in series with the current coil of the other element for causing the measurements to be substantially independent of wide and continuous variations in the frequency of the circuit.

1,537,375. CONTROL SYSTEM FOR ADJUSTABLE-SPEED MOTORS. ARTHUR C. PRESCOTT, East Orange, N. J., and WESLEY C. PLUMER, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Dec. 16, 1924. Serial No. 756,327. 7 Claims. (Cl. 172—179.)



2. In a control system for a plurality of electric motors, the combination of separately operable switches for selectively connecting each of said motors to a source of supply for operation thereof simultaneously operated speed controlling switch mechanisms for said motors, and automatic switch mechanism for controlling the acceleration of each motor during starting independently of said speed controlling switch mechanism.

1,537,376. CUTTER. GEORGE PROSSER, Portland, Oreg. Filed Sept. 24, 1924. Serial No. 739,487. 1 Claim. (Cl. 164—71.)

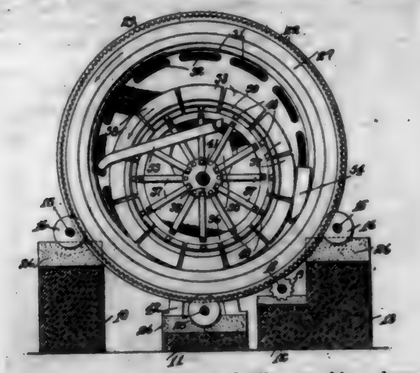


In a cutter: a shank bar transversely mounted through a slot in said shank; a centering member threaded into the lower end of said shank and securing said bar in place; a bracket upon said bar; an offset extension to said bracket disposed parallel to said bar; and a cutting tool mounted upon said extension and adapted to contact with said bar.

1,537,377. ORE PULVERIZER. GEORGE E. C. ROUSSEAU, Sacramento, Calif. Filed Nov. 20, 1923, Serial No. 675,884. Renewed Jan. 12, 1925. 4 Claims. (Cl. 83—9.)

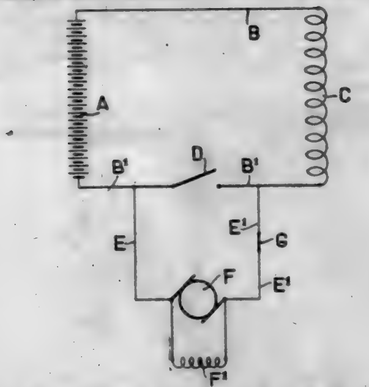
1. An ore crusher including a drum and a crushing wheel within the drum and gravitating to the lower

side of the interior thereof, means for feeding ore between the periphery of the wheel and the interior of



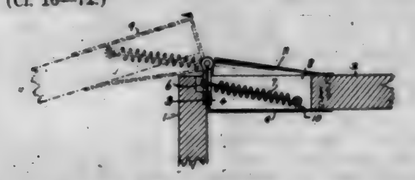
the rim of the drum, and a floating crushing element between the wheel and rim at a point opposite the point wherein the ore is fed.

1,537,378. ARRANGEMENT FOR SUPPRESSING SPARKS. LUDWIG SCHÖN, Essen, Germany. Original application filed Sept. 4, 1920, Serial No. 408,382. Divided and this application filed May 26, 1921. Serial No. 472,852. 5 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



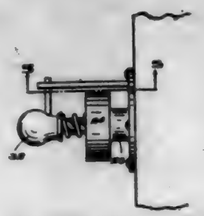
1. In combination with a source of direct current, a load inductance, a switching means in series with said inductance, said switching means comprising a switch and an electrodynamic condensance in shunt with the switch of said switching means.

1,537,379. HINGE. ALBERT E. SCOTT, Houston, Tex. Filed June 1, 1923. Serial No. 642,736. 3 Claims. (Cl. 16—72.)



1. The combination with a door or other swinging object, and a support therefor, of a hinge for supporting said door from said support, said hinge and the adjacent part of the door being slotted, a yieldable member adapted to swing through said slots, one end of the said member being connected to the door and the other end being anchored to said support at a point eccentric with respect to the joint of the hinge, plates secured to the opposite sides of the door and enclosing the slots thereof.

1,537,380. TELEPHONE ATTACHMENT. HARRY FLOYD STILLSON, Williamsburgh, Ontario, Canada. Filed Mar. 23, 1923. Serial No. 627,242. Renewed Mar. 30, 1925. 1 Claim. (Cl. 179—84.)



An attachment for a telephone including the combination with the telephone box and the rotatable shaft of the calling up mechanism; of a member mounted on said telephone box and extended into the same opposite the rotatable shaft; a guide arm carried by said member and provided with connected long and short slots; a sleeve operable within said member and having a bearing disc; said sleeve having spiral grooves therein; the first mentioned member having a bearing disc opposite to the first mentioned bearing disc; bearing balls operable between said discs; a cap for said discs; an operating rod having threads working in said grooves to rotate said sleeves and the rotatable shaft of the calling up mechanism when the operating shaft is moved in one direction within the sleeve; a head for said operating rod; means within said head for preventing rotation of said operating rod when moved longitudinally to rotate said sleeve; means for resiliently retaining said head and said operating rod in extended unoperated position; and a guide finger extended from said head and working in said slots of the guide arm for guiding said head and said operating rod and limiting movement thereof to determine the length of the ring given by operation of the rotatable shaft of the calling up mechanism and the sleeve connected to said rotatable shaft.

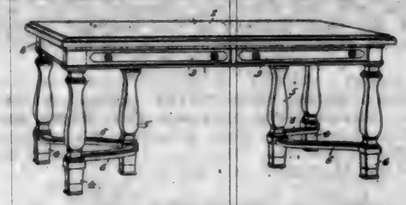
1,537,381. CUTTING AND MILLING TOOL AND METHOD OF MANUFACTURING THE SAME. BENNO STRAUSS, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 28, 1920. Serial No. 433,651. 4 Claims. (Cl. 75—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A method of manufacturing cutting and milling tools of iron, not capable of being hardened per se, which consists in treating an alloy of steel comprising 0.1 to 0.2% carbon and 8 to 14% of chromium by a cementing process at the cutting edges and then subjecting the tools to the customary tempering process.

1,537,382. TABLE. ALFRED H. STRINGS, Chicago, Ill., assignor to Commercial Furniture Company, Chicago, Ill. Filed June 25, 1923. Serial No. 647,684. 4 Claims. (Cl. 45—31.)

1. In a stationary table, the combination of a top, legs depending from the top, one at each corner thereof, auxiliary legs arranged adjacent the ends of the table at a point intermediate the corner leg supports and spaced inwardly therefrom, and means for securing the auxiliary leg supports to the corner leg supports whereby there is provided an unobstructed central end space

between the corner leg supports and the adjacent auxiliary leg support, and the auxiliary leg supports being



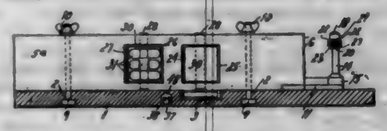
free from connection one with another, whereby the space between the auxiliary leg supports centrally of the table is also unobstructed.

1,537,383. SWITCH. DANIEL B. STUCKEY, Portland, Oreg. Filed Sept. 4, 1924. Serial No. 735,865. 5 Claims. (Cl. 246—323.)



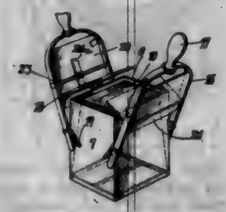
1. A pair of switches, one being the switch of a railroad track, and the other being a switch intermediate such tracks; a shaft intermediate said tracks and parallel thereto, and connected to each of said switches to operate them simultaneously; tripping mechanism upon said shaft; and a wheel upon a car adapted to operate said mechanism, said wheel being guided by said intermediate switch.

1,537,384. WRAPPING AND SEALING MACHINE. JOHN L. SULLIVAN, Thompsonville, Conn. Filed Dec. 8, 1923. Serial No. 679,471. 25 Claims. (Cl. 93—2.)



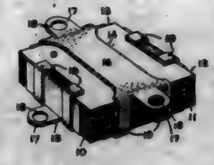
1. In a wrapping and sealing machine, a support having a heating-unit therein, recessed guide bars mounted on said support, one of said bars being adjustable relative to the other, and heating-units yieldingly held in the recesses in said bars.

1,537,385. CARTON HOLDER AND FILLER. EDWIN J. SWIFT, Sheepshead Bay, N. Y. Filed Mar. 29, 1924. Serial No. 702,929. 7 Claims. (Cl. 226—19.)



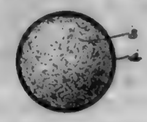
7. A carton filling device comprising a container open at its top and bottom, the lower edges of the container being bevelled and having an interior ledge for supporting an open, inverted carton, a knife blade positioned between the ends of the container adjacent its bottom, a pair of yoke shaped frames having handles pivoted to the sides of the container, flaps attached to the frames for closing the open top of the container when the frames are moved toward each other, said frames being movable outwardly with the flaps to permit the filled carton to drop by gravity as the said container is inverted.

1,537,386. ELECTROSTATIC CONDENSER. EGBERT MOORE TINGLEY, Elizabeth, N. J., assignor to General Electric Company, a Corporation of New York. Filed Nov. 24, 1920. Serial No. 426,315. 2 Claims. (Cl. 250—41.)



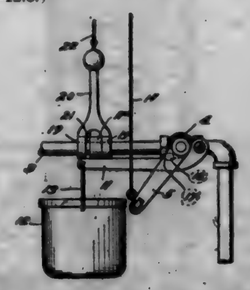
2. A condenser comprising a block of alternate conducting and insulating sheets, alternate conducting sheets extending beyond one side of said block and the intermediate conducting sheets extending beyond another side of said block, a terminal clamp for said block having a body portion lying against one face of said block and having fingers extending over one pair of opposite sides thereof and engaging the opposite face thereof, and a similar terminal clamp having a body portion lying against said opposite face and having fingers extending over another pair of opposite sides of said block and engaging the first mentioned face, the extending portions of said alternate conducting sheets being in electrical connection with a finger of one of said clamps and the extending portions of said intermediate conducting sheets being in electrical connection with a finger of the other of said other terminal clamps.

1,537,387. BALL. ALBERT O. TROSTEL, Milwaukee, Wis. Original application filed June 12, 1922, Serial No. 567,877. Divided and this application filed July 25, 1923. Serial No. 653,621. 3 Claims. (Cl. 273—60.)



3. A baseball in which the entire body of the ball is composed of felted hair compressed to finished spherical form, and an outside covering for said body.

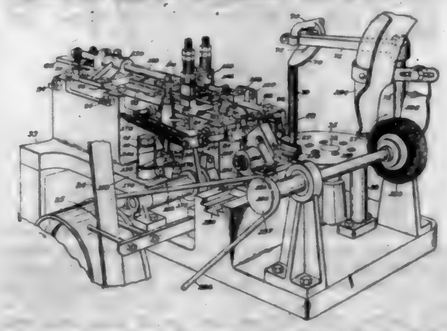
1,537,388. AUTOMATIC TRIP VALVE FOR OIL BURNERS. NATHAN E. TYRRELL, Kansas City, Mo. Filed May 12, 1924. Serial No. 712,642. 6 Claims. (Cl. 158—42.3.)



1. In a trip valve, the combination of a valve operating lever, a weight imposing force on said lever to close the valve, a trip lever associated with said valve lever

to maintain the valve in open position, and a second pivoted weight mounted to swing in an arc to intercept and trip the trip lever.

1,537,389. WIREWORKING MACHINE. BERT L. VAN ORMAN, Detroit, Mich., assignor to L. A. Young Industries, Inc., Detroit, Mich. Filed Mar. 13, 1924. Serial No. 698,873. 39 Claims. (Cl. 153—35.)



1. In a structure of the class described, the combination of a work holder, a reciprocatingly mounted carriage provided with a fixed jaw and a pivoted jaw, a brake for frictionally retarding the movement of said carriage, means for actuating said carriage and said jaw comprising a draw bar having a lost motion connection to said carriage and operatively connected to said pivoted jaw so that the jaw is opened and closed by the independent movement of said draw bar at the ends of the stroke of the carriage, a reciprocating actuating member, a driving connection for said actuating member and draw bar comprising a clutch bar on said driving member having a hole therein, a friction shoe on said draw bar coacting with said clutch bar providing a friction drive connection, a driving pawl on said draw bar adapted to engage said hole in said clutch bar providing a positive drive connection, a stop for holding said carriage on its forward stroke to permit engagement of said pawl, means for retracting said stop timed with the engagement of said driving pawl, a cam for disengaging said driving pawl on the return stroke of the carriage, and an adjustable return stop for said carriage positioned to engage after said pawl has been disengaged.

1,537,390. TOY ALARM CLOCK. SIDNEY C. VINCENT, Baltimore, Md. Filed Jan. 23, 1923. Serial No. 614,400. 2 Claims. (Cl. 46—46.)



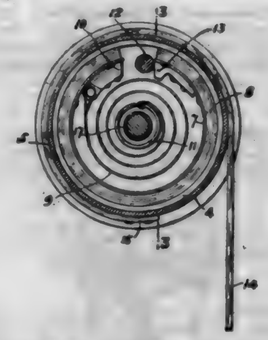
1. A toy alarm clock comprising a cup-shaped casing, a bracket mounted in the casing, a bell clapper having a portion with a bearing in the casing and in the bracket, said bell clapper extending through the casing, a bell mounted upon the casing in position to be struck by the bell clapper, a manually operated wheel mounted in the casing and in the bracket, said wheel having points adapted to engage a portion of the bell clapper to rock the same upon its pivot, a spring normally holding the bell clapper in engagement with the bell, manually operated means for rotating the wheel carrying shaft, a cup-shaped front plate adapted to fit snugly in the open side of the casing, there being an aperture centrally located in said plate, an extension having connection with the wheel and extending through said plate, and hands mounted on said extension, whereby when the wheel is rotated, the hands will be rotated.

1,537,391. METAL DISK WHEEL. EDWARD R. WAGNER, Milwaukee, Wis., assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 4, 1922. Serial No. 541,256. 3 Claims. (Cl. 301—63.)



2. A metal disk wheel comprising two circular sheet metal web members formed with outwardly flanged central openings and bulged outwardly adjacent said openings and to a less extent adjacent their peripheries, the flange of one web member having an outward projection, a sheet metal cap fitting over said flange and formed with a recess adapted to be sprung into engagement with the projection on said flange, and a flanged ring fitted and secured on the flange of the other web member and extending inwardly over the outer end thereof.

1,537,392. RECOIL BRAKE. FRANK R. WALLACE, Philadelphia, Pa., and LEROY TABOR, Riverton, N. J. Filed Sept. 6, 1924. Serial No. 736,211. 2 Claims. (Cl. 267—10.)



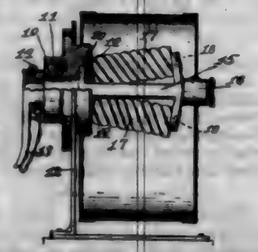
1. A recoil brake comprising the combination with vehicle frame and axle elements and a supporting spring interposed between the two of concentric casings of which the inner one is fixed in respect to one of said vehicle elements and of which the outer one is turnable, an internal brake band provided externally with brake lining and arranged for co-operation with the inner surface of the fixed casing, a retracting spring attached to one end of the brake band and at the other end attached to the fixed casing, a post or projection on the outer movable casing adapted to push on the other end of the brake band, and a strap connected to the other vehicle element and with the exterior of the outer turnable casing.

1,537,393. PLATE-MARKING DEVICE. EDWARD H. WALSH, Chicago, Ill. Filed May 26, 1921. Serial No. 472,927. 6 Claims. (Cl. 33—32.)



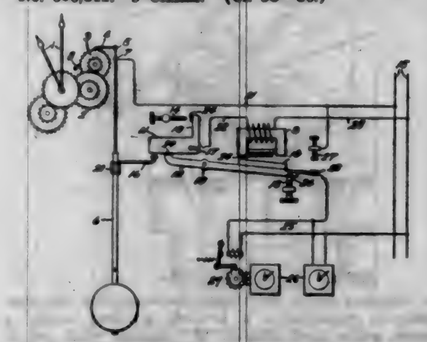
1. In combination with a metal working machine comprising a plurality of shearing means spaced from each other, a member spanning the space between said shearing means, means for supporting said member and a marker slidably secured to said member.

1,537,394. PENCIL SHARPENER. JOSEPH CARL WANGEN, Great Falls, Mont. Filed Sept. 15, 1923. Serial No. 662,955. 4 Claims. (Cl. 120—96.)



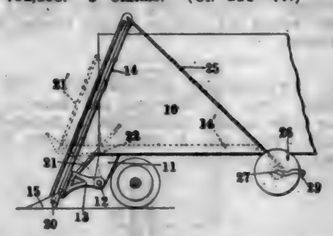
1. In a device of the character described, a cutting roller, a cog adapted to be arranged in end to end relation with either end of the cutting roller and in contact therewith, and means for effecting a detachable locking engagement between the cog and the adjacent end of the roller.

1,537,395. ELECTRIC CLOCK. HENRY B. WARREN, Ashland, Mass., assignor to Warren Clock Company, a Corporation of Maine. Filed Nov. 14, 1922. Serial No. 600,841. 9 Claims. (Cl. 58—30.)



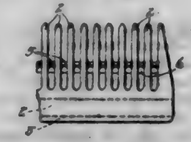
1. A constant speed motor comprising an electromagnet, a movable armature lever therefor, a pendulum provided with a contact for controlling the energizing circuit of said electromagnet, a weight pivoted in such a manner as to be raised by the movement of said armature lever and to impart an energy impulse to said pendulum in falling and a rotary timing device driven by said pendulum.

1,537,396. DEVICE FOR LOADING TRUCKS. JOHN S. WHITE, St. Louis, Mo. Filed Aug. 18, 1924. Serial No. 732,598. 5 Claims. (Cl. 214—77.)



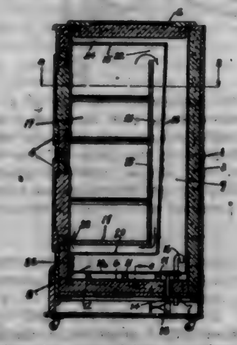
1. In a device of the class described, the combination with a vehicle body, of a hoisting lever pivoted to said body at a point below its bottom, means for actuating said lever, and a loading apron operated by said lever, said apron being pivoted at one end and having sliding contact with one of said first named parts.

1,537,397. COMB AND CLEANING DEVICE THEREFOR. BENJAMIN L. WILHELM, Chicago, Ill. Filed Apr. 16, 1924. Serial No. 706,998. 4 Claims. (Cl. 132—28.)



1. The combination with a comb having a longitudinal groove extending inwardly from the back thereof, a slot forming a continuation of said groove and extending inwardly into the body portion of the comb, a cleaner having a handle arranged to enter and be retained in the groove, and teeth carried by said handle and adapted to enter the slot.

1,537,398. REFRIGERATOR. WILLIAM P. WILLSON, Arlington, Vt., assignor to William E. Kidder, Kalamazoo, Mich. Filed Aug. 20, 1923. Serial No. 658,475. 5 Claims. (Cl. 62—68.)



3. A refrigerator comprising a casing, a bottom pan disposed in the bottom of said casing and provided with a drain opening, a refrigerant chamber adapted to hold a liquid and comprising a horizontal bottom portion

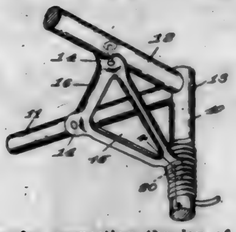
disposed within said bottom pan and a vertical portion, and a provision chamber comprising a vertical wall spaced from a vertical wall of said refrigerant chamber and a horizontal bottom wall spaced from a horizontal wall of said refrigerant chamber providing an air circulating passage between such walls, said passage being open at the top and bottom thereof to said provision chamber but otherwise closed thereto, there being a drain opening from said circulating passage to said bottom pan, said refrigerant chamber being provided with a liquid waste pipe having its inlet in spaced relation to the bottom thereof.

1,537,399. SWINGSPOUT ATTACHMENT FOR CONTAINERS. OZRO N. WISWELL, Los Angeles, Calif., assignor to Swingspout Measure Co., a Corporation of California. Filed May 2, 1922. Serial No. 557,949. 5 Claims. (Cl. 221—26.)



4. In a swinging spout construction, the combination of: a spout; a tubular member attached at an angle to, and forming an extension of, said spout; a sleeve in which said tubular member is turnably mounted; and means for turnably mounting said sleeve on a container so that the axis of turning movement of said sleeve is at an angle to the axis of turning movement of said tubular member.

1,537,400. TRIANGLE CHAIR BRACE. JOSEPH W. WOHLHIETER, Newark, N. J. Filed Dec. 20, 1922. Serial No. 607,942. 9 Claims. (Cl. 155—197.)



1. A brace for connecting the leg of a chair, to a pair of chair stretchers, and comprising a triangular member having the apices of the triangles angularly disposed with reference to the body of the triangle and bent to form trough shaped portions adapted to seat respectively on the leg and stretchers, said trough shaped portions being provided with rivet receiving openings.

1,537,401. CONTROLLING OR REGULATING DEVICE FOR PROPELLERS. LUDWIG BLUMSCHEIN, Berlin-Johannisthal, Germany. Filed Nov. 18, 1924. Serial No. 750,569. 1 Claim. (Cl. 170—60.)

The combination with a propeller, a regulating device mounted on a wing of the propeller comprising an axle rotatably secured at right angles in the wing; a streamline interrupting surface secured to and adapted to rotate with said axle; an arm secured at one end to said axle; a tension spring secured at one end to the free end of said arm and at the other end to the wing to normally hold said surface substantially parallel to the circumference generated by the ends of the wings, said



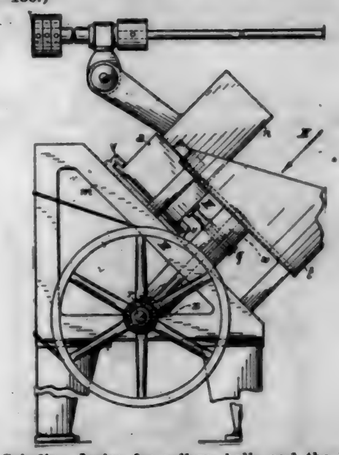
arm and the spring being mounted on the inside of said propeller; and a weight secured in said surface near the free end thereof and adapted to cause said surface to rotate due to centrifugal force against the force of said spring upon excessive speeds of the propeller.

1,537,402. BEATER DEVICE FOR BRAIDING MACHINES. JULIUS BOTTENBERG, Barmen, Germany, assignor to the Firm of Alb. & E. Henkels, Langerfeld, near Barmen, Germany. Filed Nov. 17, 1922. Serial No. 601,628. 3 Claims. (Cl. 90—17.)



1. Single-thread lace braiding or plaiting machine comprising in combination, two groups of alternately movable, laterally flexible thread beater arms, pairs of such beater arms being cranked outwards and vertically reciprocable wedges arranged radially to the rear of the cranked beater arms of the one group and connected with the beater arms of the other group.

1,537,403. GRINDING DEVICE. PAUL BRÜHL, Dusseldorf, Germany, assignor to the Firm: Maschinenfabrik "Rheinland" A.-G., Dusseldorf, Germany. Filed Feb. 14, 1924. Serial No. 692,740. 6 Claims. (Cl. 51—130.)



1. Grinding device for rollers, balls and the like comprising in combination a grooved grinding means, a grooved guide block adapted to cooperate with and to reciprocate relatively to said grinding means in the direction of the groove and means for feeding work pieces into said grooves.

1,537,404. TUBING. HARRY W. BUNDY, Detroit, Mich. Filed Dec. 3, 1923. Serial No. 678,173. 3 Claims. (Cl. 137—75.)



1. A relatively light gauge tubing, comprising a plural ply single tube for heat exchange purposes made of relatively thin gauge stock, so thin that a tube made of single ply would be so flexible as to lack utility where a stiff tube is required and in which the plies overlap and are secured together for only substantially one-half the cross section of the tube for the purpose of giving reinforcement and stiffness.

1,537,405. METHOD OF MAKING DOUBLE TUBES. HARRY W. BUNDY, Detroit, Mich. Filed Jan. 9, 1924. Serial No. 685,146. 4 Claims. (Cl. 113—33.)

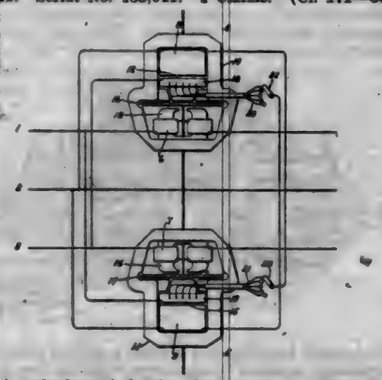


1. The method of making a pair of small tubes with an intervening connecting web, which comprises causing the strip to travel longitudinally and fashioning the edges over into small tubes with overlapped joints with the body of the tube to form a pair of small tubes connected by an intervening web, and then flowing a stream of solder onto the web between the tubes to solder the lapped joints.

1,537,406. PROCESS OF MAKING COMPOSITIONS OF FIBROUS MATERIALS AND CEMENT. GERALD ORLEY CASE and JAMES RANKIN GARROW, London, England, assignors to Novocretes Limited, London, England. Filed Oct. 18, 1924. Serial No. 744,510. 21 Claims. (Cl. 8—47.5.)

1. A process for utilising fibrous materials in conjunction with cement, which consists in saturating the said material and then mixing the damp saturated material with a substance, which after re-acting with the damping liquid produces an insoluble compound in and on the material, and adding cement to the mixture, then subjecting the whole to pressure, whereby liquid remaining in the material is brought into contact with the cement and a "setting" action initiated.

1,537,407. ELECTRICAL INSTRUMENT. FREDERICK P. CHURCH, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 27, 1921. Serial No. 488,041. 4 Claims. (Cl. 171—309.)



1. A polyphase induction instrument for three-phase circuits comprising two single phase wattmeter elements with their movable members mechanically connected together, each element having a current coil, a main potential coil and an auxiliary potential coil, and circuit connections for connecting each main potential coil in series with the auxiliary potential coil of the other element.

1,537,408. COMBINED DISPENSING SPOUT AND SHAKER FOR CANS OR BOXES. FRANK H. COOSWELL, Manistee, Mich. Filed July 26, 1924. Serial No. 728,458. 7 Claims. (Cl. 221—11.)



7. A box or container having a single opening for the outflow of the material, in combination with a swinging spout adapted to receive the material passing through said opening, and a controlling gate located between the spout and the box and container, by which the material may be made to flow in a plurality of streams or in a single stream as it passes through said opening, according to the setting of said controlling gate.

1,537,409. PROCESS FOR CONSTRUCTING BOOTS AND SHOES. LARRY L. COMEAU, Bradford, Mass. Filed June 30, 1924. Serial No. 723,333. 3 Claims. (Cl. 12—142.)

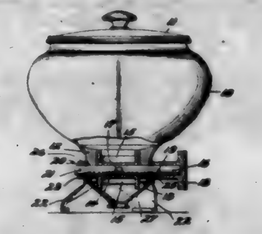


3. The process of constructing a shoe, consisting in assembling the upper and placing the heel counter therein, temporarily securing a sheet of flexible material to a last from its shank to its toe, placing the upper and the heel counter upon the last and turning the edge of the upper inwardly onto said flexible sheet and the shank of the last, cementing the inturned edge of the upper to the aforesaid flexible sheet and temporarily tacking said edges to the shank of the last, removing the tacks when the cement is dry, passing transverse lengths of wire through the inturned edges of the upper behind the aforesaid sheet, connecting the ends of each length of wire and securing a shank reinforcing member in place by and between the upper and lower portions of said lengths of wire, and securing a sole to the inturned edges of the upper with its instep portion covering said wires and reinforcing member.

1,537,410. SANITARY SUGAR BOWL. ROBERT A. COURTNEY, Westminster, Md. Filed Jan. 8, 1923. Serial No. 611,540. 1 Claim. (Cl. 221—106.)

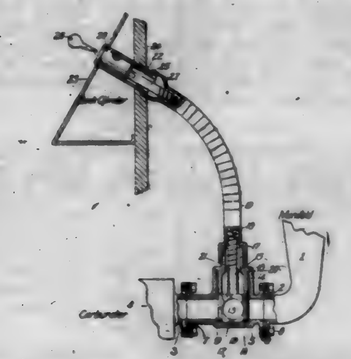
A sugar bowl or the like having a sheet metal body provided with a lower cylindrical portion, a base fitting within said cylindrical portion, a funnel having a cylindrical portion fitting over the corresponding portion of the

bowl, supporting legs having a cylindrical portion fitting over the corresponding portion of the funnel, a shaft extending through all of said parts and permanently connect-



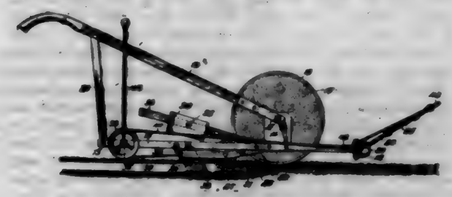
ing them and a cylinder on said shaft provided with pockets for removing portions of the contents of the bowl and delivering them into the funnel when the shaft is turned.

1,537,411. MANIFOLD LOCK. DANIEL R. COX and DAVID A. KINNIB, Pasadena, Calif. Filed Apr. 24, 1924. Serial No. 708,654. 5 Claims. (Cl. 251—6.)



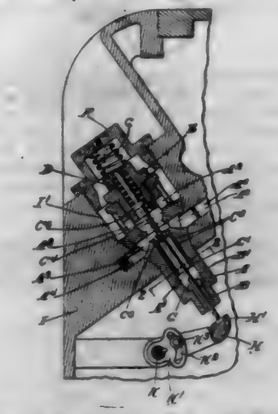
1. A manifold lock comprising a valve adapted to be introduced between a carburetor and an intake manifold and adapted to open and close the gas passage, a gas tight tubular shell leading from the valve, a shaft leading through the tubular shell to turn the valve, and a port from the valve to the tubular shell.

1,537,412. MACHINE FOR CUTTING SOD. CHARLES F. DAFFERNER, Ottumwa, Iowa. Filed Nov. 27, 1923. Serial No. 677,303. 3 Claims. (Cl. 97—226.)



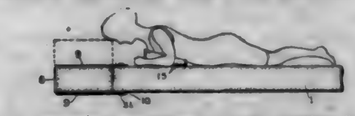
1. In a sod cutter, the combination of a frame, a supporting arm at each side of the frame and pivoted thereto to swing in a vertical plane, a vertical disk cutter journaled on each of said arms, means for forcing said disk cuters into the ground, a fixed cutting blade having a horizontal portion and vertical end portions connecting it to the frame, said supporting arms terminating in forks each engaging opposite sides of the respective vertical end portions of the fixed cutter.

1,537,412. VALVE. CHARLES W. DAKE, Chicago, Ill., assignor to The Pyle-National Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 2, 1920. Serial No. 407,620. 12 Claims. (Cl. 251—75.)



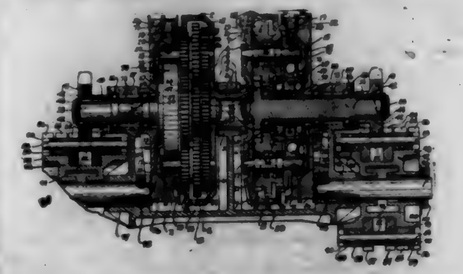
5. A valve comprising a valve casing a valve piston therein an upper extension from said piston having a lateral enlargement, a hollow plug surrounding said extension in contact with said enlargement a spring within said plug and adapted to bear against said plug and said enlargement a valve operating stem in contact with but separate from said valve piston and adapted to move said piston in opposition to said spring.

1,537,414. MEANS FOR OVERCOMING INSOMNIA. ALICE O. DARLING, Bristol, N. H. Filed Sept. 20, 1920. Serial No. 411,661. 6 Claims. (Cl. 128—70.)



1. A mattress comprising a body portion having a cut out in which is normally received a portion which is adapted to be swung inwardly over the body portion to receive the forehead of a reclining person to hold the face above the body portion and provide a breathing space, and a support for the chest of the person.

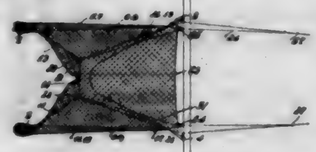
1,537,415. POWER-TRANSMITTING MECHANISM. KENNETH DAVIS, St. Benedict, Pa., assignor to Rembrandt Peale, St. Benedict, Pa. Filed Apr. 15, 1922. Serial No. 553,252. 41 Claims. (Cl. 180—9.2.)



1. A speed reducing and reversing driving mechanism including in combination a driven shaft having a gear wheel fixed thereto, a sleeve and a gear wheel fixed

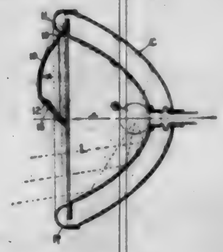
thereto, the gear wheel being of less diameter than the gear wheel on the shaft, a second sleeve and a gear wheel fixed thereto, the gear wheel being of greater diameter than the gear wheel on the shaft, one of the sleeves being rotatably mounted on the shaft and the other sleeve being rotatably mounted on said sleeve, a pinion having gear teeth meshing with each of said gear wheels, a rotatable shell in which said pinion is journaled provided with gear teeth near its periphery, geared means engageable with the gear teeth on the shell for driving it, and means for selectively holding the larger or the smaller gear wheel against rotation.

1,537,416. TRAILING NET. ROELOF DE BOER and HENRI WILLEM DE VOOGT, Heemstede, Netherlands. Filed Apr. 11, 1924. Serial No. 705,921. 13 Claims. (Cl. 43—9.)



1. An improved trawlnet having two otterboards and two waists, the vertical central planes of which pass practically through the connecting points of the net to the otterboards.

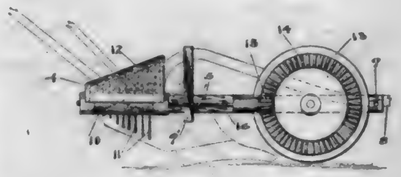
1,537,417. HEADLIGHT SHIELD. GEORGE DE WALD, Brooklyn, N. Y. Filed Jan. 23, 1923, Serial No. 614,400. Renewed Oct. 15, 1924. 1 Claim. (Cl. 240—484.)



The herein described headlight guard of a single piece of sheet metal having a forwardly extending hood formed with corrugations radiating from practically a single point below the axis of the hood for stiffening it, and a visor formed along the inner edge of the hood, the visor being in the form of a segment of a cone and having straight transverse elements, said visor extending inward and bearing along its free edge a stiffening lip deflected outward in a direction substantially approximately parallel to the main part of the hood, so that the visor will strengthen the hood in a direction substantially perpendicular to that of the corrugations aforesaid, the entire inner surface of the guard being of a reflecting character, said corrugations serving thereby to diffuse that portion of the light which strikes the hood from the lamp and the reflector, so that after being radiated back upon the reflector it will issue below the guard in a more even beam.

1,537,418. PULVERIZER. HENRY C. DE WEESE, Portland, Oreg. Filed Aug. 8, 1923. Serial No. 656,464. 2 Claims. (Cl. 97—6.)

1. In a pulverizer adaptable to a plow; a housing adjacent the mold board of the plow and positioned longitudinally of the mold board; substantially depending teeth within said housing; a cylinder rotatably mounted within said housing and positioned longitudinally of the mold board; a plurality of spirally mounted series of teeth upon said cylinder adapted to pass between adjacent teeth upon said housing as said cylinder rotates, said



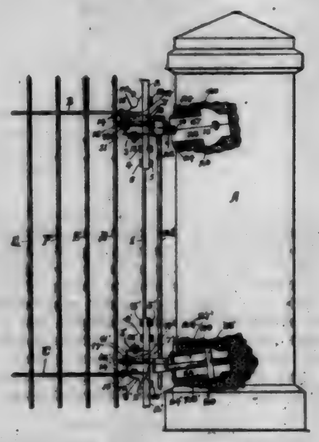
cylinder teeth being of various lengths so that each tooth just clears the mold board of the plow as it rotates with said cylinder; and means to rotate said cylinder.

1,537,419. TURN SHOE. MILTON L. DODGE, Newburyport, Mass. Filed Nov. 23, 1921. Serial No. 517,200. 12 Claims. (Cl. 12—142.)



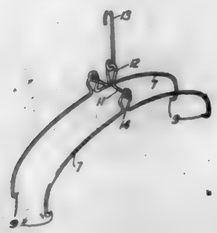
2. The method of making turn shoes, which comprises securing an upper to a moistened sole, both inside-out, on a last, removing the last, turning the shoe, and locating a dry previously molded toe box and a dry previously molded counter stiffener in their proper positions in the shoe, molding the sole by pressure applied to both faces thereof while the sole is still in temper, drying the sole, and then finishing the shoe.

1,537,420. GATE HINGE. JAMES M. DODDRIDGE, Milton, Ind. Filed July 25, 1924. Serial No. 728,089. 4 Claims. (Cl. 16—129.)



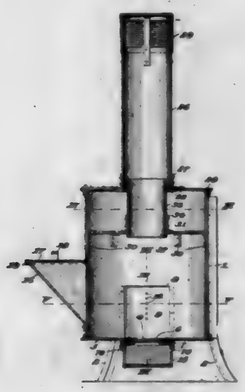
1. In combination with a concrete post, box-like hinge members imbedded in the post and projecting slightly from the face thereof, a hinge stub carried by each of said hinge members, and means whereby said stubs may be adjusted longitudinally and vertically.

1,537,421. GRAPPLE. BARTHOLOMEW L. DRISCOLL, Watsonville, Calif. Filed Apr. 24, 1923. Serial No. 634,265. 1 Claim. (Cl. 294—99.)



A grapple comprising twin spring arms, each arm bent in the center to form an eye and having inwardly directed object-engaging points on the ends thereof, a link connecting the eyes of said arms, and means for suspending the grapple pivotally attached to said link.

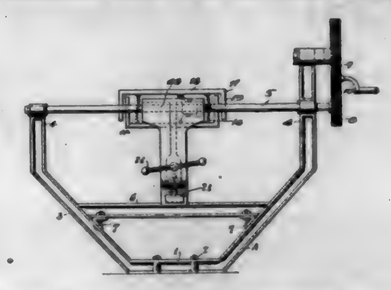
1,537,422. INCINERATOR. SAMUEL A. DUGAN, Galveston, Tex. Filed Feb. 19, 1924. Serial No. 693,861. 9 Claims. (Cl. 110—18.)



1. An incinerator of the character described having a main stack rising from its top, a perforated plate for supporting wet garbage and slops in the upper portion of said incinerator, an opening in said perforated plate in line with said main stack, and a supplemental stack extending upwardly from said opening in said perforated plate, there being a space in the bottom portion of the incinerator below said plate for burning trash, whereby the fire from said trash is utilized for incinerating the wet garbage and slops on said perforated plate.

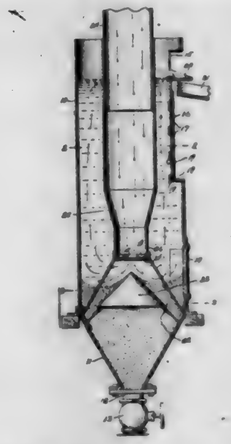
1,537,423. BEARING SCRAPER. WILLIAM LEE ELLISON, Giddings, Tex. Filed July 18, 1923. Serial No. 652,426. 5 Claims. (Cl. 90—11.)

1. In combination, a supporting frame, including a base, a pair of diverging legs extending upwardly from the ends of the base and terminating in journals, a shaft rotatable in said journals, a bridge beam connected to the intermediate portion of the legs, means for rotating



the shaft, a bearing supporting mechanism mounted on the beam, and a scraper mechanism operatable by said shaft.

1,537,424. GRAVITY CONCENTRATOR. WILLIAM G. ELMS, Oakland, Calif. Filed Apr. 17, 1924. Serial No. 707,185. 1 Claim. (Cl. 83—82.)



A concentrator comprising a cylindrical casing having a downwardly tapering lower end, a cone supported within the casing immediately above such lower end, an inlet pipe directed into the upper end of the casing and having its lower end decreasing in size and terminating immediately above and in fixed relation to the cone to discharge thereagainst means for regulating the size of the outlet orifice of the inlet pipe, means for regulating the effective height of the casing and means for regulating the effective head of the inlet pipe, the effective diameter of the casing decreasing at a point spaced above the lower end of the inlet pipe.

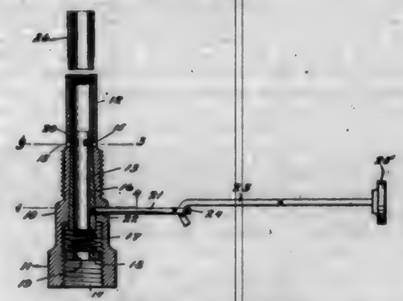
1,537,425. DAUBER. FRED FARWELL, Cincinnati, Ohio. Filed Dec. 1, 1922. Serial No. 604,132. 2 Claims. (Cl. 15—160.)



1. A device of the class described comprising a base, a sheet of rubber attached thereto, a plurality of bunches of rubber bands attached to said sheet in relatively

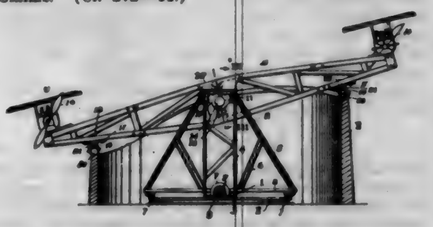
spaced relation by means of a fastening device compressively engaging each group of the bands, and forming a continuous mixture of tangled, intermingled loops.

1,537,426. LIQUID-RESERVE VALVE. WEAVER F. FESSLER, Greenville, Pa., assignor to James F. Taylor, New Castle, Pa. Filed June 20, 1924. Serial No. 721,216. 3 Claims. (Cl. 158—46.5.)



1. A device of the character described comprising a body adapted to be mounted at the bottom of a liquid storage tank, the body having a tubular extension and a tapered bore and formed with holes entering the bore at its juncture with the extension, the lower end of the body being formed with a chamber communicating with the bore, a tubular tapered valve rotatably mounted within said bore, an operating handle for the valve, an adjustable abutment screwed into the chamber, and a spring interposed between said abutment and the lower end of the valve, the valve having ports adapted to register with said holes.

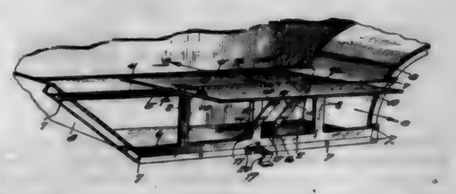
1,537,427. ROUNDABOUT. JOHN A. FISHER, Sandusky, Ohio. Filed Feb. 21, 1922. Serial No. 538,247. 3 Claims. (Cl. 272—44.)



1. In an amusement device of the character described, the combination with two concentric annular tracks, the inner track maintaining a constant elevation while the outer track has an undulating top surface, of a central support provided with wheels whereby it is rotatably mounted on the inner track, an arm diametrically disposed relative to said central support and pivotally mounted thereon intermediate of the ends of said arm so as to swing on a horizontal axis, said arm engaging said outer track at two diametrically opposite points, and passenger cars mounted on the opposite ends of said arm, whereby when said support is rotated said cars travel around the axis of the amusement device in a swooping or undulating manner.

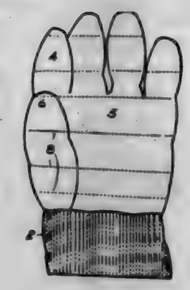
1,537,428. COMBINED FOLDING TABLE AND LUGGAGE CARRIER. MOSE FISHER, Plain, N. Mex. Filed Apr. 25, 1924. Serial No. 708,969. 4 Claims. (Cl. 224—29.)

1. In a combined folding table and luggage carrier for automobiles, the combination with a frame secured to the outer edges of the running-board and the fenders, of folding table leaves, one being hingedly mounted on the upper edge of the frame, said table leaves being



hingedly united whereby their adjacent edges may abut and thereby reinforce and support the table leaves in horizontal positions.

1,537,429. GLOVE. MAURICE C. FRANKENSTEIN and JOSEPH W. FRANKENSTEIN, Pittsburgh, Pa. Filed Jan. 7, 1922. Serial No. 527,572. 1 Claim. (Cl. 2—161.)



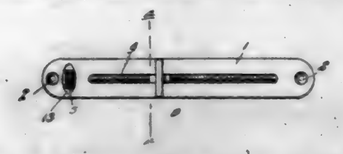
A glove having its front formed of a plurality of plies of material and further having the backs of the index finger and thumb thereof formed of a plurality of plies of material, the plurality of said plies of material forming said front being secured together by a plurality of rows of stitching, each of said rows extending transversely in a line of flexure of the glove when in use, and said plies of material forming the backs of the index finger and thumb secured together by stitching extending in alignment relatively to the rows of stitching securing the plies forming the front of the glove, substantially as described and for the purpose set forth.

1,537,430. DEMOUNTABLE-RIM FASTENER. FREDERICK W. FRENCH, Oakland, Calif. Filed Aug. 1, 1924. Serial No. 729,579. 2 Claims. (Cl. 301—20.)



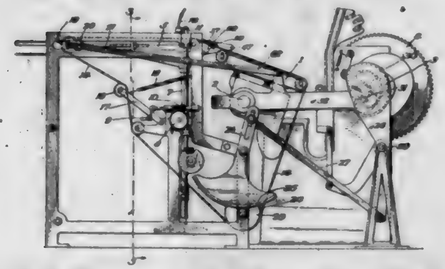
1. The combination with a wheel body and a rim, of studs on the wheel body, and retainers located between the body and the rim, the retainers having notches in their transverse edges for the reception of the studs, and there being seats for the reception of the studs, in the retainers, at the inner ends of the notches, the seats extending transversely of the wheel body.

1,537,431. ADJUSTABLE WINDOW-SHADE BRACKET. PETER J. GARRETT, Morgantown, W. Va. Filed June 4, 1923. Serial No. 643,214. 1 Claim. (Cl. 156—24.)



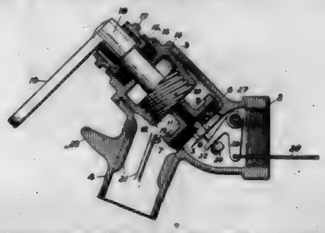
A curtain fixture including an elongated plate having a slot disposed longitudinally thereof, posts mounted at one side of the plate and disposed beyond the ends of the slots, the plate being provided with an opening disposed in alignment with the slot, a threaded arbor journaled in the posts, a knurled wheel mounted upon the arbor and having a portion of its periphery passing through the opening in the plate, a block slidably mounted in the slot and having a threaded opening which snugly receives the thread of the arbor, and a plate carried by the block for supporting a shade roller.

1,537,432. AUTOMATIC PRINTING-PRESS FEEDER. JOHN L. GIDEON, Chicago, Ill., assignor of one-half to Edward E. Kaech, Chicago, Ill. Filed Feb. 8, 1923. Serial No. 617,901. 22 Claims. (Cl. 101—287.)



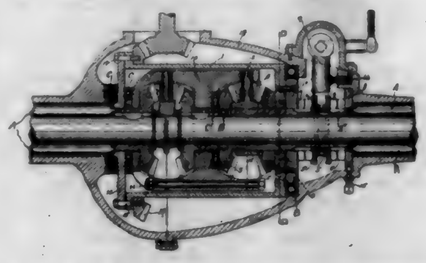
1. The combination with a rocking platen type of printing press, of two paper gripping means respectively adapted to grip opposite ends of a sheet, a flexible carrier carrying both gripper means, means for reciprocating the carrier in timed relation to the operation of the press, and automatic means for causing the two gripping means to grip and release the sheet in correspondingly timed relation.

1,537,433. FAUCET. WALLACE M. GIFFEN, Alameda, Calif., assignor of one-fourth to Nelson W. Thompson and one-fourth to Blanchard B. Maynard, both of Oakland, Calif., and one-fourth to George C. Noble, Berkeley, Calif. Filed Apr. 23, 1923. Serial No. 634,105. 3 Claims. (Cl. 137—21.)



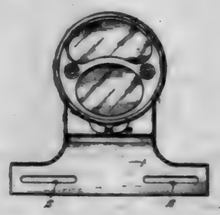
1. A faucet comprising a valve and a housing of Y-shape, one branch of said Y adapted to support the valve and cover therefor, another branch adapted for an inlet and having mechanism therein controlled by the valve, and the third branch adapted for an outlet, and the said housing provided with a seat between said inlet and said outlet, and an additional seat provided on the inner extremity of said valve-branch cover opposite and parallel to said housing seat, enabling the said valve to close against the inlet and when open to keep pressure off the packing of the valve, the said mechanism comprising a bell crank pivotally mounted in said inlet branch, one lever of said crank adapted to engage a stem carried by the said valve and projecting in said last-named branch and the other lever having a wire attached thereto leading from said inlet branch to a remote member, the opening of the valve operating the bell crank and the movement of the latter determining the movement of the remote member.

1,537,434. AUXILIARY TRANSMISSION GEAR. EDWIN J. GOULD, Oakland, Calif., assignor to Consolidated Controls Corporation, Oakland, Calif., a Corporation of California. Filed June 25, 1924. Serial No. 722,359. 8 Claims. (Cl. 74—99.)



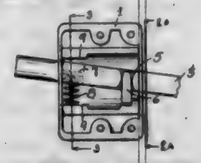
1. In an auxiliary transmission gear, the combination of a bevel gear with an extending hub, a second bevel gear mounted loosely on said extending hub, bevel pinions meshed with each of said bevel gears and mounted on spider shafts extending through a casing integral with the differential casing of a motor vehicle, a housing surrounding said differential casing and secured to the second named bevel gear, a master gear mounted on said housing and meshed with the drive pinion of a motor vehicle, means to prevent rotation of the first named bevel gear, to secure a speed reduction of the said differential casing, substantially as set forth.

1,537,435. SUPPORT FOR AUTOMOBILE LAMPS. JAMES J. GOUGH, Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Nov. 13, 1924. Serial No. 749,631. 12 Claims. (Cl. 240—57.)



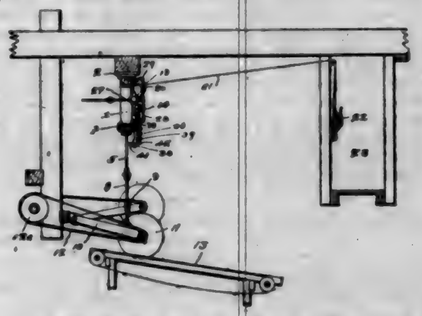
1. The combination with a lamp, of a support having a hook-formed portion projecting toward the lamp, cooperating means on the lamp and the support for preventing transverse movement of the lamp away from the said portion of the support, and a latching member carried by the lamp and movable so as to move a portion of the said member into or out of the said hook-formed portion of the support.

1,537,436. LATCH. RAYMOND EVAN GRAF, Grand Rapids, Mich., assignor to Keeler Brass Company, Grand Rapids, Mich. Filed Aug. 7, 1922. Serial No. 580,284. 4 Claims. (Cl. 292—22.)



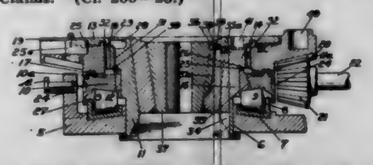
1. A latch comprising an integrally formed housing having a bolt fulcruming opening in its inner end wall and a slot in its outer wall, a lever-like bolt fulcrumed in said opening in the inner end wall of said housing to swing in said slot in its outer end wall, said bolt having a notch in its rear side adjacent its fulcrum point and a recess in its edge constituting a spring seat, said housing having an integral tongue engaging said notch in said bolt to support the bolt against longitudinal movement, and a spring seating surface opposed to said spring seat of said bolt, and a spring disposed in said seats in said bolt to coact with the seat of said housing.

1,537,437. TRIMMER-SAW MECHANISM. GUST GRAFFENBERGER, Portland, Oreg., assignor to Metallic Manufacturing Co., Portland, Oreg. Original application filed Sept. 18, 1922, Serial No. 588,964. Divided and this application filed Feb. 1, 1923. Serial No. 616,322. 2 Claims. (Cl. 143—41.)



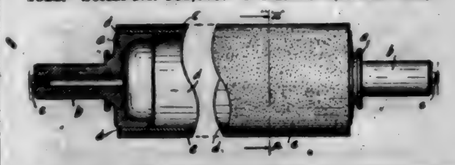
1. In combination with a series of trimmer saws, a fluid pressure cylinder for each saw in which the piston is cushioned at each end of its stroke by trapping the fluid pressure, and a valve control for each cylinder admitting and checking the admission of fluid at each end of its stroke, operable when desired to cause a single stroke in either direction.

1,537,438. MAKE-UP ROTARY. EDGAR E. GREVE, Bellevue, Pa. Filed Aug. 1, 1923. Serial No. 655,018. 8 Claims. (Cl. 255—28.)



1. A rotary comprising a base, a drive ring having an integral flanged upper end, a separate removable spacing ring surrounding the driving ring intermediate the ends thereof and connected therewith, a gear ring rotatably carried on said spacing ring and confined between said spacing ring and the top flange of the drive ring, and bearings on the base rotatably supporting said spacing ring.

1,537,439. PRESS ROLL FOR PAPER MACHINES. CHARLES R. GRIFFITH, Portland, Oreg. Filed Apr. 13, 1922. Serial No. 552,879. 9 Claims. (Cl. 92—49.)



1. A press roll, made of vulcanized rubber having pores providing air cells in the circumference thereof, to render the same repellent.

1,537,440. FLUSH-VALVE MECHANISM. NICOLAS GYMNAITIS, Santa Barbara, Calif. Filed Mar. 1, 1922. Serial No. 540,311. 4 Claims. (Cl. 137—93.)



1. A flush valve mechanism comprising a casting, a casing supported on the casting, a port formed in the casting, a valve controlling said port, a stem formed on the valve and slidable through the casting, a piston within the casing and connected to said stem, a sleeve fixed to the piston and having spacing ribs formed on the periphery thereof, a spring for normally urging the piston to a position in which said valve is closed, a handle extending through a slot in the casing and rigidly connected to the sleeve for moving the piston against the action of said spring to open said valve, and means for controlling the flow of air to and from the casing.

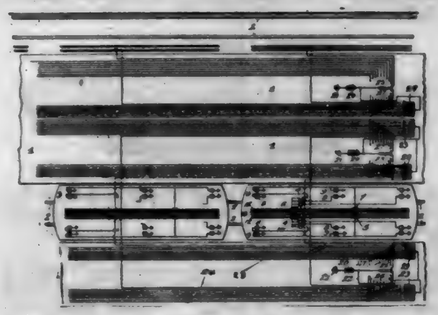
1,537,441. PHARMACEUTICAL COMPOUND CONSISTING OF THE MAGNESIUM-VANADIUM SALT OF TRIGLYCOLLAMIC ACID. HANS HAHL and WALTER KROPF, Elberfeld, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Jan. 24, 1925. Serial No. 4,494. 3 Claims. (Cl. 260—11.)

1. The process for producing complex salts of vanadium and an alkali earth metal with triglycollamic acid, which process consists in treating the triglycollamic acid with vanadium trioxide and an alkali earth metal compound, substantially as described.

1,537,442. MULTIPLE-UNIT DOOR-CONTROL MECHANISM. FRANK HEISLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed Sept. 30, 1919. Serial No. 327,577. 2 Claims. (Cl. 105—241.)

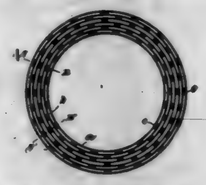
1. In a door control system for cars, the combination with a train of cars and door operation control devices

carried by each car of the train, of shoes carried by each of said cars, circuits connecting said shoes with said



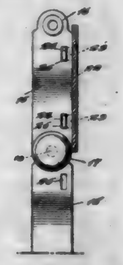
devices, and means for supplying current simultaneously to all of said devices on all cars for initiating movement of the doors thereof.

1,537,443. SPRING WHEEL. NICOLAS M. HERRERA, Buenos Aires, Argentina. Filed Mar. 6, 1922. Serial No. 541,522. 1 Claim. (Cl. 152—37.)



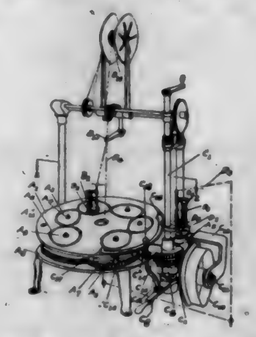
A metallic elastic tire, comprising two cylindrical concentric telescoping cases of different heights, each being formed by two right angled members connected together by bolts, a series of cylindrical concentric equidistant hoops connected to each other by means of alternately placed spacers and bolts contained in the telescoping cases, the cylindrical hoops being connected to the casings by means of certain of said first mentioned bolts passing through certain of said spacers.

1,537,444. APRON CONVEYER. JOHN S. HEAZOG, Newark, Ohio. Filed Feb. 2, 1923. Serial No. 616,462. 2 Claims. (Cl. 198—195.)



1. An apron conveyer, comprising a carrying chain the links of which consist of two parts each constituting a side bar having lateral lugs at one end and a perforated boss at its other end into which a lug of an adjacent side bar is seated, said lugs and bosses working under and receiving all draft strains and a bolt or pin located in the lugs for holding the two parts of the links in operative position, laterally arranged slats or bars of a width substantially equal to the lengths of the links of the chains and means integral with the slats for connection with the side bars of the chain.

1,537,445. KNOCK-OFF DEVICE FOR BRAIDING MACHINES. HERMAN HODGSON and GERALD F. REYNOLDS, Cortland, N. Y., assignors to Cortland Line Co., Inc., Cortland, N. Y., a Corporation of New York. Filed Dec. 26, 1924. Serial No. 758,183. 10 Claims. (Cl. 96—19.)



1. In a machine for plaiting a plurality of braid strands about a core strand, said machine comprising a movable bobbin carrier with appurtenances including a suspended drop weight for each of the braider strands, a drive mechanism including a disengageable clutch, which drive is adapted to impart a plaiting movement to said carriers, a stop device including a knock-off arm cooperating with the said drop weights and adapted to disengage the clutch and bring said carriers to rest in the event of rupture on part of any one of the said braid strands, a core strand carrier with appurtenances therefor including a drop weight normally suspended by the core strand adapted to feed said core strand into the braid, and means including a cam element actuable in unison with said drive means adapted to co-operate with the last-named drop weight and upon rupture of the core strand serving to disengage said clutch in a manner analogous to that applied to the braider strands and cause further braider operations to cease.

1,537,446. CARD TRAY FOR PLAYING CARDS AND THE LIKE. CLIFFORD E. ALBERT, Cincinnati, Ohio, assignor to The United States Playing Card Company, Norwood, Ohio, a Corporation of Ohio. Filed Mar. 7, 1925. Serial No. 13,897. 4 Claims. (Cl. 273—148.)



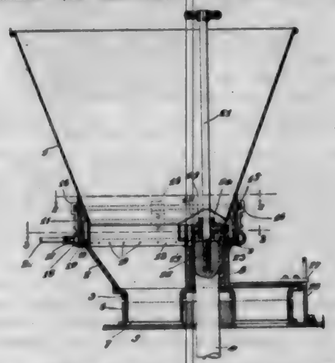
2. In a device of the class described the combination with a pair of containers having compartments therein, said compartments being open at opposite ends of the container, and resilient means comprising a wall portion of each compartment for yieldingly retaining cards in said compartments.

1,537,447. SCREW SOCKET FOR THE NECKS OF FLEXIBLE CONTAINERS. JOHN EDWARD ADLER, Guelph, Ontario, Canada. Filed Feb. 4, 1924. Serial No. 690,540. 6 Claims. (Cl. 150—8.)



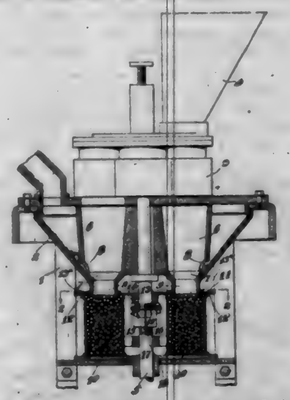
1. In a container formed of flexible material or compound, the combination with the neck and screw socket, of means extending longitudinally of and from end to end of the socket and in spaced relation thereto for preventing its turning within the neck of the container.

1,537,448. CANNING MACHINERY. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Jan. 23, 1924. Serial No. 687,923. 12 Claims. (Cl. 226—72.)



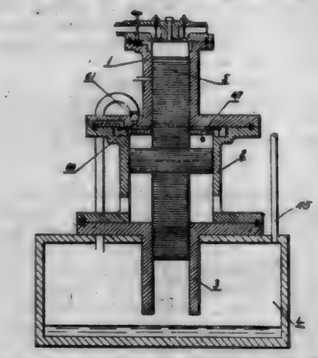
1. In a can filling machine, a feed hopper; a gear carried thereby; a power driven shaft; a measuring unit secured to the shaft and rotatable therewith, the measuring unit consisting of telescoping parts adapted to receive material from the hopper, and a gear carried by one of the telescoping parts and meshing with the gear on the hopper.

1,537,449. CAN-FEEDING MECHANISM. CHARLES H. AYARS, Salem, N. J., assignor to Ayars Machine Company, Salem, N. J. Filed Jan. 23, 1924. Serial No. 687,925. 4 Claims. (Cl. 226—96.)



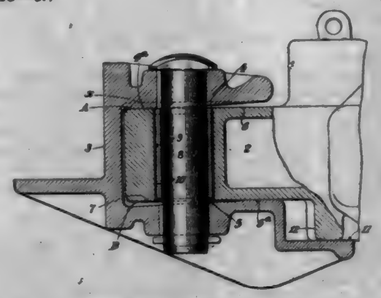
1. In a canning machine, a series of feed funnels having tubular necks; a disk having a series of flanged openings adapted to embrace the necks, and means for adjusting the disk relatively to the necks.

1,537,450. MACHINE WITH FREE FLYING PISTON. JULES BABIN, Paris, France. Filed July 7, 1922. Serial No. 573,492. 3 Claims. (Cl. 123—2.)



1. Gas control system particularly applicable to motor compressor apparatus of the internal combustion type with free flying piston and reservoir of compressed air constituting an artificial atmosphere, comprising an admission valve for previously compressed explosive mixture, a rod for said valve, two admission pistons mounted on said rod, the cross section of the upper admission piston being greater than the cross section of the lower admission piston, means whereby the lower face of the lower admission piston is submitted to the pressure of the gas mixture, an exhaust valve for burnt gas, a rod for said valve, an inner exhaust piston on said rod, an exhaust cylinder for said inner exhaust piston, a duct for the communication of said exhaust cylinder with the upper face of the upper admission piston, a duct through said inner exhaust piston, an outer exhaust piston above said inner exhaust piston, a cylinder cap for said outer exhaust piston, a piston slide valve, grooves in said piston slide valve, means for the communication through one of said grooves of above said exhaust cylinder with the compressed air reservoir, means for the communication through another groove of said exhaust cylinder with the atmosphere, a cylinder for said piston slide valve and means for the communication of the bottom of said cylinder with the upper part of the power cylinder.

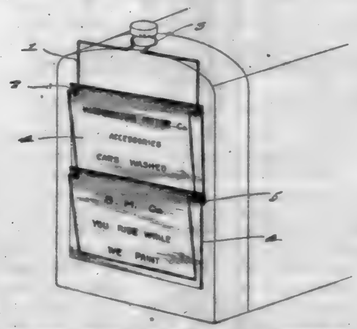
1,537,451. ENGINE COUPLER AND POCKET THEREFOR. ARTHUR J. BAZELEY and JOHN WILLISON, Cleveland, Ohio, assignors, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 9, 1921. Serial No. 460,050. 3 Claims. (Cl. 213—6.)



1. In a device of the character described, a coupler pocket, a shank of an engine coupler seating in said pocket, the top and bottom of the shank when the coupler is horizontal each having in one portion a sur-

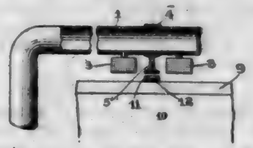
face engagement with corresponding portions of the top and bottom, respectively, of the pocket whereby drooping of the coupler head is prevented, and the top and bottom of the shank each having in another portion a face diverging relatively from corresponding faces on the top and bottom of the pocket, to facilitate insertion of the shank into the pocket.

1,537,452. RADIATOR SHIELD. FRANCIS BLAKEMAN, Eads, Colo., assignor of one-half to Frank L. Pyles, Eads, Colo. Filed May 3, 1924. Serial No. 710,861. 1 Claim. (Cl. 257—132.)



A radiator shield comprising a rectangular frame formed of wire, the side members being provided with angularly disposed shoulder portions and panels having openings which receive the said side members of the frame and which are adapted to be supported upon the shoulder portions thereof.

1,537,453. APPARATUS FOR THE MANUFACTURE OF ICE-CREAM CONES. HARRY L. BOWDOIN, Long Island City, N. Y., assignor to Cone Company of America, Long Island City, N. Y., a Corporation of Delaware. Filed Apr. 17, 1922, Serial No. 553,766. Renewed Mar. 27, 1925. 4 Claims. (Cl. 107—58.)
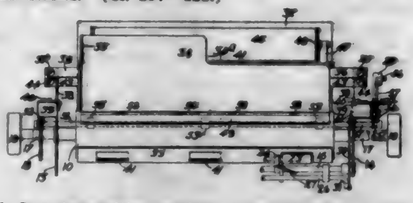


1. In an apparatus for the manufacture of edible cones, having pendent burners, a support therefor, and a revoluble, mould carrying member, with a mould cover to pass, while closed, under the burners, the combination of means operable by the mould cover, when slightly raised, to elevate the support and thereby provide a clearance which permits the raised cover to pass under the burners.

3. A heating apparatus comprising a radially arranged fixed heater element, a movable element adapted to pass the heater elements, circumferential arcuate guard means operable to prevent the movable element from striking the heater element, and signalling means comprising a semaphore, and a hold fast latch therefor releasable by contact with the movable element to indicate the operation of the guard means.

1,537,454. ABRASIVE IMPLEMENT AND METHOD OF MAKING SAME. FRANK P. BROCK, Evanston, Ill., assignor to Bakelite Corporation, New York, N. Y., a Corporation of Delaware. Filed Dec. 11, 1922. Serial No. 606,298. 9 Claims. (Cl. 51—280.)

1. In the manufacture of abrasive or polishing implements, the method comprising incorporating a potentially reactive phenolic resin, and a reactive aldehyde having a boiling point substantially above 100° C., with an abrasive material; molding the resulting mixture under pressure; and heating the shaped article to transform the resinous binder.

1,537,455. TYPEWRITING MACHINE. CLARENCE H. BROWN, Cedar Rapids, Iowa, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 6, 1922. Serial No. 558,860. 12 Claims. (Cl. 197—128.)



1. In a typewriting machine, in combination, a platen, a rear paper-table to direct a work-sheet or bill around the bottom of the platen, a flexible intermediate paper-table to hold a record-sheet above the rear paper-table and extending around the lower rear portion of the platen between the latter and the rear paper-table, a support, above and to the rear of the platen, to which the intermediate paper-table is fixed, a collating table at the delivery side of the platen to assist in adjusting the bill and between which and the platen the record-sheet passes, and means for flexing said intermediate paper-table and clamping the record-sheet against the platen.

1,537,456. WEAR AND STRAIN RESISTING FABRIC. JOHN BROWN, Auckland, New Zealand. Filed Sept. 10, 1920. Serial No. 409,293. 1 Claim. (Cl. 154—52.)



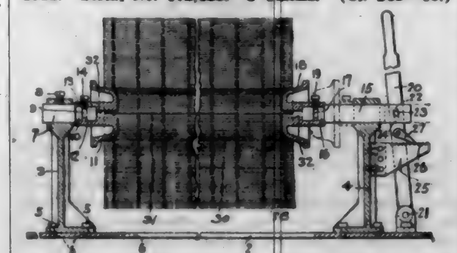
As a new article of manufacture, a bitumen rubber and silk material comprising a strip of relatively thin bitumen rubber with silk threads embedded therein, each of the silk threads comprising silk fibers each of which is separately impregnated with a rubberizing solution.

1,537,457. TILTABLE BED, TRUCK, AND SHIFTABLE CRANE. DON C. BRYAN, Huntington Beach, Calif. Filed Sept. 8, 1922. Serial No. 586,866. 2 Claims. (Cl. 214—94.)



1. A motor truck having means forming a vertical floor socket at the transverse center and behind the cab, a tiltable bed upon the motor truck behind the floor socket, a stanchion having a pin fitting in the socket, a pulley at the upper end of the stanchion, cable winding means operated by the truck motor, a cable connected to the cable winding means and adapted to run over the pulley, a hook upon the tiltable bed to which the cable may be attached so that by operating the winding means the forward end of the tiltable bed will be raised, and means for attaching the forward end of the tiltable bed to the stanchion to hold the bed in its elevated position.

1,537,458. REEL. GEORGE E. BULL, Monessen, Pa., assignor to Pittsburgh Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1922. Serial No. 602,421. 3 Claims. (Cl. 242—68.)



2. In a reel, the combination with a standard, a spindle held therein, said spindle having a bearing portion with an annular groove, a head engaging said bearing portion, a screw passing through said head engaging said annular groove, a second standard, a longitudinally movable spindle mounted therein having a bearing portion with an annular groove formed therein, a head engaging said bearing portion, a screw passing through said head engaging said annular groove, a lever connected to said last-named spindle, and means for locking said lever in different positions.

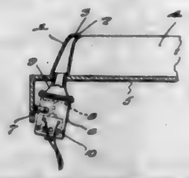
1,537,459. LOCKING TONGUE FOR KNOCKDOWN FURNITURE. CHARLES PETER CAMPBELL, Orillia, Ontario, Canada. Filed June 9, 1923. Serial No. 644,410. 1 Claim. (Cl. 20—92.)



The combination with two wall members set at right angles one to the other, of a channel piece secured to one member and having a vertical slit located in the wall forming the base of the channel, a locking tongue comprising a strip of metal, the body of which is bent intermediately upon itself to form a double thickness adapted to fit into the aforesaid slit of the channel member, and having its ends out-turned and the edges of the out-turned portions converging from one end thereof to the other, and a securing cap having its sides converging from one end to the other and inturned to conform to the shape of the aforementioned out-turned portions of the body and then inwardly with the inner side of such out-turned portion and having upwardly and downwardly extending tongue extensions adapted to be bent inward to engage the out-turned portions of the body.

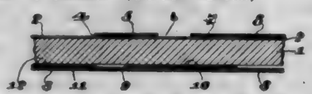
1,537,460. COOLING-FAN ATTACHMENT FOR CUSHION SEATS. JAMES D. CAMPBELL and WALTER T. TUCKER, Duncan, Okla. Filed Oct. 7, 1924. Serial No. 742,191. 2 Claims. (Cl. 98—27.)

1. A device of the class described comprising in combination with a seat cushion, an air distributor supported at the rear thereof and conforming to the configuration of the seat cushion, said distributor comprising a casing, the top thereof being provided with a series of spaced air outlet openings, a nozzle having its upper end extending into the bottom of the air distributor



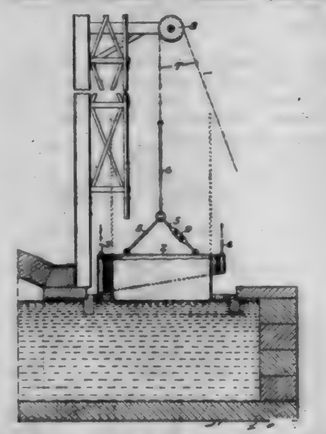
casing, and a rotary fan communicating with the bottom of said nozzle for forcing the air upwardly therethrough and through the openings in the top of the air distributor casing.

1,537,461. PROCESS OF MAKING MOLDS FOR PRODUCING PRINTING PLATES. LAFAYETTE CATES, Drexel Hill, Pa. Filed Mar. 18, 1922. Serial No. 544,812. 6 Claims. (Cl. 101—401.3.)



1. The process of producing printing plates embodying permanent "make-ready" in the face thereof which comprises as steps therein the compression of a sheet of moldable material against the engraved face of a photo-engraved plate to obtain an impression therefrom upon the face of said sheet of moldable material and thereafter effecting relative depression and elevation of different portions of said face of the mold sheet to conform to the required "make-ready" to be embodied within the finished printing plate and thereafter forming a printing plate upon said face.

1,537,462. COOLING HOLLOW GLASS ARTICLES DURING DRAWING. HENRY F. CLARK, Oakmont, Pa., assignor to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed June 8, 1921. Serial No. 476,052. 7 Claims. (Cl. 49—83.1.)

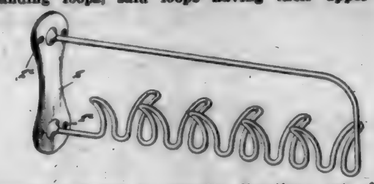


1. In the method of drawing glass cylinders from a molten bath of glass, the steps consisting in cooling the glass, and adjusting the cooling effect around the cylinder by adjusting the position of the cooler relative to the cylinder being drawn, substantially as described.

1,537,463. GARMENT-SUPPORTING BRACKET. HIRAM HOLDEN, Manchester, N. H. Filed June 14, 1924. Serial No. 720,055. 1 Claim. (Cl. 45—13.)

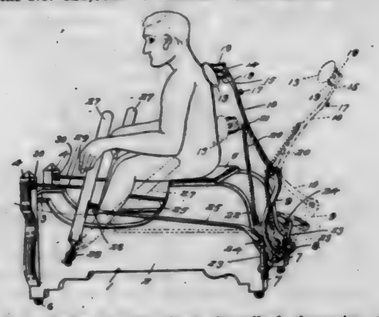
A bracket for the purpose described comprising upper and lower wire members lying in the same vertical plane,

said lower member being bent to form a plurality of upstanding loops, said loops having their upper ends



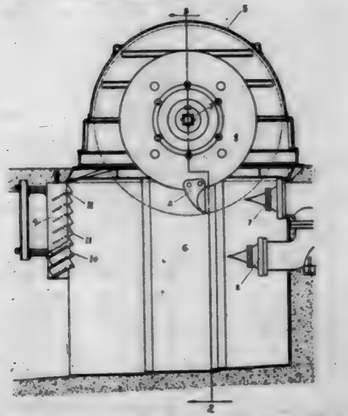
alternately deflected in opposite directions out of said plane, and means for connecting said members to a suitable support.

1,537,464. OINTMENT CHIROPRACTOR. OLIVER H. HUMMEL, Jr., Hot Springs, Ark. Filed Mar. 30, 1923. Serial No. 628,794. 4 Claims. (Cl. 128—62.)



1. In a device of the above described character comprising a frame having a seat rest on top of same, a shaft rotatably journaled to the rear end of the frame, a sectional arm fixed to said rotatable shaft, an ointment applying buffing member and rubber supported by said arm, handles journaled on the sides of the frame, means for connecting the handles with the rotatable shaft and means to cause the buffing member to move downwardly on the back of a patient upon backward movement of the handles.

1,537,465. LOUVER-TYPE BAFFLE PLATE. ELY C. HUTCHINSON, Oakland, Calif., assignor to The Pelton Water Wheel Co., San Francisco, Calif., a Corporation of California. Filed Oct. 21, 1924. Serial No. 744,953. 7 Claims. (Cl. 253—136.)



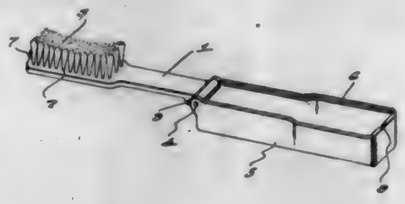
1. A baffle comprising a column of transversely curved, spaced plates successively overlapping and disposed at a downwardly retreating angle relatively to the pressure directed against them.

1,537,466. INTERRUPTER FOR MAGNETO MACHINES. GEORGE HUNTER, Westminster, London, England. Filed Feb. 16, 1924. Serial No. 693,156. 5 Claims. (Cl. 200—26.)



3. An interrupter for magneto machines, comprising an electrical contact ring, a rotatable ring eccentrically disposed within the contact ring and embodying inner and outer rings with balls between the same the outer ring being maintained in engagement with the inner surface of the contact ring, segments having one end of each connected together by an intermediate piece in the form of a spring and removably mounted within the inner ring within which the segments are retained by the elasticity of the intermediate spring piece, a rotatable shaft provided with an eccentric device having parallel flat sides and curved ends and a recess in one of the curved ends and a coiled spring arranged in the recess and bearing against the intermediate piece within the inner ring.

1,537,467. FOLDING TOOTHBRUSH. ARTHUR G. INGLE, Portland, Oreg. Filed June 23, 1924. Serial No. 721,760. 1 Claim. (Cl. 15—185.)



In a folding tooth brush, comprising in combination, a handle, a brush head on the outer end thereof, a casing hingedly associated with the inner end of the handle, the casing having its top open and adapted to receive the handle and brush head when the latter is in a folded position, means for holding the same in position in the casing, means for holding the handle against swinging movement when the same is in an extended position, said last means comprising a projection on the inner end of the handle, the same being provided with a notch, and a spring carried by the adjacent end of the casing for cooperation with the notch in the projection.

1,537,468. SEALING HEAD. JOHN A. JOHNSON, Woodhaven, N. Y. Filed May 8, 1922. Serial No. 559,218. 3 Claims. (Cl. 226—86.)

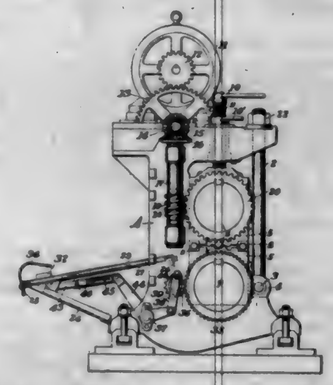
1. A sealing head for affixing smooth skirted closures to bottles comprising a casing, a fixed ring inwardly tapered within the lower end of the casing, a slidable sleeve within the lower end of the casing, a segment ring radially movable in the sleeve and adapted to contact with the taper on the fixed ring, a plunger within the sleeve, said plunger being adapted to rise within said

sleeve a distance approximately equal to the height of a closure before the segment ring moves radially and means for independently exerting downward pressure on the



sleeve and plunger respectively whereby the metal at the lower edge of the skirt of the closure is pinched or folded between the ends of the segment ring sections.

1,537,469. CORRUGATING MACHINE. LANE JOHNSON, Ingram, and RICHARD W. MOSER, Pittsburgh, Pa., assignors to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 25, 1923. Serial No. 641,404. 6 Claims. (Cl. 153—77.)



1. In apparatus for corrugating sheet material, a pair of corrugating rolls, means for driving said rolls, and automatic means for feeding sheets to said rolls, comprising a stationary feed table for supporting the sheets while being advanced to the rolls, means movable above said table for engaging each sheet and advancing the same on said table to said rolls, and means for actuating said movable means, substantially as described.

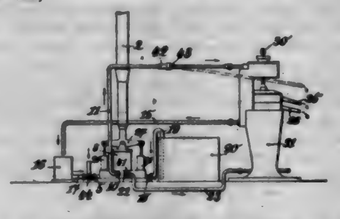
1,537,470. STICK FOR HANDLING HIGH-VOLTAGE LINE CONDUCTORS. TOMLINSON F. JOHNSON, Jr., Atlanta, Ga. Filed Feb. 6, 1923. Serial No. 617,407. 3 Claims. (Cl. 175—265.)

3. A device of the class described, comprising a pole, a metallic head secured to one end of the pole, a movable clamping member having a plurality of arms or hooks equidistantly arranged so that the movable member is always balanced, and a shank connecting the member and head, said member engaging a conductor and binding the same on the head when the pole and head are turned in the proper direction, said outstanding arms terminating in downwardly turned lugs beyond the periphery of



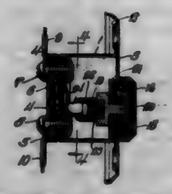
the head to prevent the said conductor from slipping between the head and one of the arms when the pole is turned onto the shank.

1,537,471. INSTALLATION FOR THE SEPARATION OF LIQUIDS. STEPHAN KARPINSKY, Sevres, and JAMES STEWART ANDERSON, St.-Ouen, France. Filed Jan. 16, 1924. Serial No. 686,686. 3 Claims. (Cl. 233—24.)



1. In an installation for the separation of complex liquids, the combination of a pair of coacting pumps whereof one serves for the discharge of a liquid at any suitable pressure and the second for the discharge of the complex liquid submitted to the separation treatment, a centrifugal separator supplied by the pump discharging the said complex liquid, a turbine whose wheel is mounted on the shaft of the said separator and is supplied by the first-mentioned pump discharging liquid at any suitable pressure.

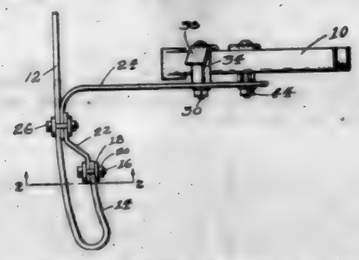
1,537,472. ELECTRIC SWITCH. CHARLES Y. KNIGHT, Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Dec. 6, 1923. Serial No. 678,797. 4 Claims. (Cl. 200—77.)



1. A switch comprising an insulating base having a recess therein, a pair of wire terminals extending through the base at opposite ends of the recess, a circuit terminal plate connected to one wire terminal and having a portion thereof disposed within the recess, the other wire terminal having a head overhanging the recess, a switch front extending parallel to the base and having a slot substantially in the longitudinal plane of the recess, and a switching member extending through the slot of the switch front and slidable upon the switch front,

the switching member having a conducting portion continuously engaging the said plate portion and yieldingly pressed toward the latter and movable by a sliding of the switching member with respect to the switch front into and out of a position in which it also engages the said overhanging wire terminal head.

1,537,473. AUTOMOBILE BUMPER AND ATTACHING MEANS. CHARLES E. KRAUS, Louisville, Ky., assignor to Fred W. Kraus, Louisville, Ky. Filed Apr. 25, 1924. Serial No. 708,854. 3 Claims. (Cl. 293—55.)



1. An automobile bumper, including in combination, a transversely extending bar, each end of said bar being bent rearwardly and thence inwardly in parallel relation to the main portion of said bar, bracing elements, affixed to the end of each of said inward extensions, each of said bracing elements comprising a member having offset ends, one of said ends attached to said inwardly extending end and the other end adapted to co-operate with the main portion of the bumper bar, and means co-operating with the bracing elements for attaching the bumper to an automobile.

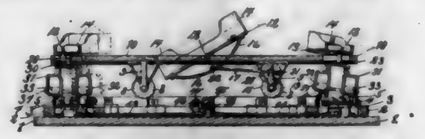
1,537,474. RAIL-HOLDING DEVICE. PAUL KRIESEL, Conover, Wis. Filed Nov. 9, 1923. Serial No. 673,761. 1 Claim. (Cl. 238—52.)



A rail holding device comprising, in combination, members adapted to underlie the rails and engageable with the outer flanges thereof, the inner portions of the members being provided with inwardly disposed shafts, clamping members mounted on the shafts to engage the inner flanges of the rails, means for holding said clamping members in engagement with said flanges, and a turn-buckle in threaded engagement with the opposed end portions of the shafts, said turn-buckle being provided therearound with three entrance openings providing therebetween elongated members the inner faces of which terminating a material distance outwardly of the axial center of the turn-buckle with the side faces of the members substantially radial to said axial center, the arrangement of said elongated members permitting the insertion of a turning bar within an entrance opening to contact with the side wall of one of the members and the inner face of a second member.

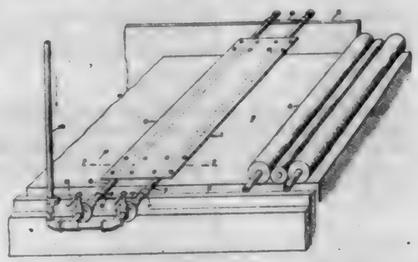
1,537,475. ROUNDABOUT. ADOLPH KUDLER, Los Angeles, Calif. Filed Jan. 27, 1922. Serial No. 532,250. 6 Claims. (Cl. 272—18.)

1. The roundabout set forth comprising a stationary track having inner and outer annular rails; a revolvable table; wheels for supporting said table above said track; gliding platform movable with said table; rollers normally engaging the rails of said track; yokes connecting said rollers to said platforms; movable track segments between the rails of said stationary track that



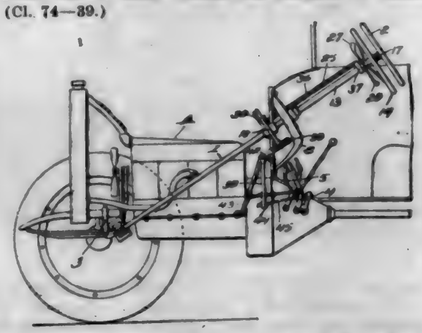
differ in contour and which are normally held out of engagement with said rollers; and means for raising said track segments to engage said rollers and impart to said platform other than rotary motion.

1,537,476. INK HEATER FOR PRINTING PRESSES. DELLA V. LA MOTT, Oakland, and CALHOUN J. DOGGETT, San Francisco, Calif. Filed Dec. 26, 1922. Serial No. 608,898. 2 Claims. (Cl. 101—337.)



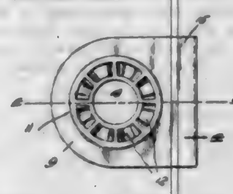
1. The combination with a printing press including an ink plate, of a burner extending across said ink plate above the latter and arranged to apply heat to the plate and a flat, deflector plate supported on the upper side of the burner and arranged to deflect heat onto the plate, said deflector plate extending a short distance on opposite sides of the burner and extending over but a small part of the ink plate.

1,537,477. BRAKE AND CLUTCH CONTROL FOR MOTOR VEHICLES. PIERRE LEVEQUE, Chicago, Ill. Filed Dec. 1, 1924. Serial No. 753,235. 7 Claims. (Cl. 74—89.)



1. In combination with a motor vehicle including the steering post, the steering wheel and the clutch and brake levers thereof, of means for facilitating the upward and downward swinging movement of the steering post, and additional means cooperating with the aforementioned means for automatically actuating said levers depending upon the direction in which the steering post is moved.

1,537,478. NUT LOCK. GUSTAV LIPKE, East Pittsburgh, Pa. Filed Dec. 14, 1923. Serial No. 680,669. 1 Claim. (Cl. 151—13.)

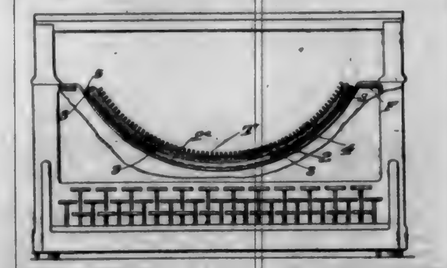


In combination with a nut provided on its under side with ratchet notches, a lock in the form of a washer consisting of a plate having a central opening adapted to receive a bolt and provided around said opening with an annular upstruck portion which is approximately U-shaped in transverse section, the intermediate part of the said upstruck portion being provided with incisions and the material between the opposite end portions of the incisions being depressed inwardly and within the upstruck portion of the plate and then extended through the openings provided by the incisions and having free ends disposed above the exterior surface of the intermediate part of the upstruck portion, the said material thus formed providing resilient pawls permanently connected with the plate and adapted to engage in the ratchet notches of the nut.

1,537,479. METHOD OF MAKING MAGNESIUM CHLORIDE. RICHARD C. LOUD, Gambier, Ohio. Filed Mar. 2, 1922. Serial No. 540,588. 4 Claims. (Cl. 23—91.)

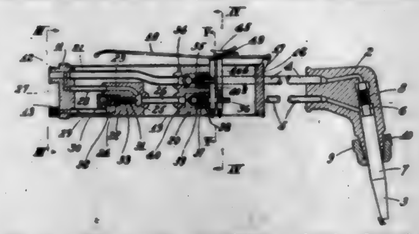
1. A process of making magnesium chloride which consists in treating the ammonium chloride mother-liquor of the ammonia-soda process with dolomitic lime so that the calcium oxid (or hyroxid) added will be sufficient to react quantitatively with the ammonium chloride in the liquor; expelling the liberated ammonia; treating the slurry so formed with gas containing carbon dioxide, until the magnesium oxid (or hydroxid) is converted into magnesium chloride, filtering off the precipitated calcium carbonate and evaporating the liquor with removal of the salt (NaCl) to a solid magnesium chloride.

1,537,480. TYPE-BAR CUSHION FOR TYPEWRITERS. LOUIS M. LLOZENA, Los Angeles, Calif., assignor of one-half to Walter D. Jackson, Los Angeles, Calif. Filed Dec. 22, 1922. Serial No. 608,496. 10 Claims. (Cl. 197—42.)



1. A typewriter type bar cushion consisting of a cushioning member of circular cross section and which is rotative on its longitudinal axis to present fresh unworn surfaces as the member becomes worn at the exposed contact zone engaged by the keys, said member consisting of a section of substantially cylindrical tubular woven elastic material.

1,537,481. CUTTING AND WELDING TORCH. JAMES D. MCCUTCHEON, Pittsburgh, Pa. Filed Jan. 20, 1923. Serial No. 613,874. 10 Claims. (Cl. 158—27.4.)



10. A cutting torch comprising a head adapted to deliver cutting and heating jets, a base casting at the rear of the torch provided with three passageways, each of said passageways having a valve seat interposed therein, a valve cooperating with each of said valve seats having its stem extending longitudinally of the torch, a pipe connecting each of said passageways to the said head, one of said pipes conducting gas to supply the cutting jet, a control lever common to all of said valves, operative connections between the said lever and the stems of the valves, movement of said lever in one direction serving to open the valve for controlling the flow of the cutting gas and to close the remaining valves.

1,537,482. CALENDAR CLOCK. MARCO MARTINI, Oakmont, Pa. Filed Aug. 22, 1924. Serial No. 733,580. 6 Claims. (Cl. 58—6.)



1. The combination with clock mechanism, of a casing therefor, openings in said casing, a tape adapted to contain designations representing hours of the day, a second tape adapted to contain designations representing minutes, and means for moving said tapes each independently, by a single movement to bring the successive designations past said openings.

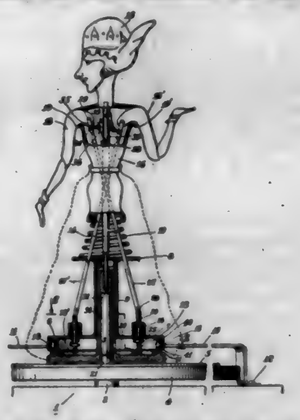
1,537,483. RUBBER COMPOSITION. FREDERICK J. MAYWALD, Nutley, N. J. Filed Aug. 31, 1921. Serial No. 497,414. 2 Claims. (Cl. 106—23.)

2. A composition for producing rubber products having a comparatively high degree of softness and flexibility comprising an admixture of pure rubber gum compound and Sandee gum.

1,537,484. DANCING DOLL. FLORENCE B. MEEHAN, Highland Park, Ill., assignor to Hugh H. Meehan, Chicago, Ill. Filed Mar. 18, 1921. Serial No. 453,485. 3 Claims. (Cl. 46—40.)

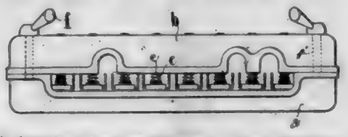
1. The combination with a phonograph including a rotating member, of a horizontal disk frictionally engaging said rotating member coaxially for rotation therewith, and having a horizontal cam portion, a fig-

ure having a part movable with respect to the figure as a whole, anchoring means restraining said figure from turning, and means connected with said movable



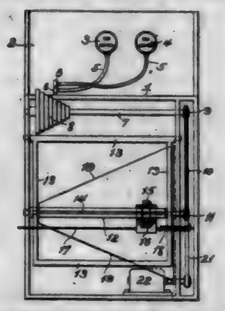
part and in engagement with said cam surface, whereby movement of said disk causes movement of said movable part with respect to said figure as a whole.

1,537,485. JUNCTION BOX FOR ELECTRICAL CONNECTIONS. ALBERT HENRY MIDGLEY, Uxbridge, England, assignor to Midgley Car Lighting Company, Limited, London, England. Filed Apr. 3, 1922. Serial No. 549,532. 3 Claims. (Cl. 247—14.)



1. A junction box comprising a base member, a stud mounted thereon and insulated therefrom, a cover, spring means mounted on the cover and insulated therefrom, said spring means including a portion adapted to surround said stud and located in a position so that when the cover is placed on the base member the spring means will surround the stud and be compressed.

1,537,486. TESTING MACHINE FOR SPEEDOMETERS. WILLIAM F. MILLER, Miami, Fla. Filed Mar. 17, 1923. Serial No. 625,694. 5 Claims. (Cl. 73—51.)



5. In a speedometer-testing machine, the combination of a rotatable member, means for simultaneously actuating a master speedometer and a speedometer to be tested from the periphery of said rotatable member, a swinging frame mounted below said rotatable member, a rotating driving member at one side of said frame, a pulley mounted in the swinging frame and held thereby in engagement with the driving member, means for shifting said pulley from end to end of the swinging frame, yieldable means for holding the pulley normally at one end of the frame and operative connection between the pulley and the rotatable member.

1,537,487. DEEP-WELL PUMPING APPARATUS. JOHN N. MODISETT, Hermosa Beach, Calif. Filed May 27, 1924. Serial No. 716,240. 7 Claims. (Cl. 103—221.)



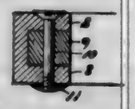
1. In oil well pumping apparatus and in combination with the usual working barrel and standing valve therein, a telescopic element engaged at its upper end with the lower end of the working barrel and adapted at its lower end for engagement with the bottom of a well, means limiting the telescopic engagement of the sections of the element, and means carried by the lower end of the standing valve and projecting into said telescopic element engaging a portion of said telescopic element during telescoping thereof to thereby lift the standing valve above the upper end of the working barrel.

1,537,488. OPERATING MECHANISM FOR DIRIGIBLE HEADLIGHT CONSTRUCTION. FRED M. NASH, Trinidad, Colo. Filed Mar. 17, 1924. Serial No. 699,790. 1 Claim. (Cl. 240—62.)



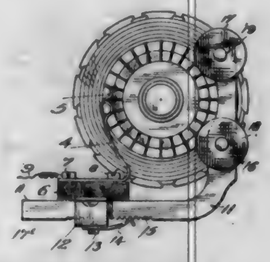
In a dirigible headlight structure, a pair of shafts spaced from each other and journaled for turning movement, a sprocket wheel carried by each shaft, chain sections having links provided with openings adapted to receive the teeth of the sprocket wheels, one chain section trained about each sprocket wheel, the end portions of the chain sections, upon the respective sprocket wheels being disposed toward each other in opposite directions, table sections connected at their ends with the oppositely disposed ends of the chain sections and bridging the space between the ends of said chain sections, a steering column, a sprocket on the steering column, a chain section about the sprockets on the steering column, a guide tube of angular construction, a pulley in the curved portion of the guide tube, a second sprocket on one of the shafts, a chain section disposed about the last mentioned sprocket, cable sections connected to the ends of the last mentioned sprocket and to the end of the chain section trained about the sprocket on the steering column, and also trained over the pulley.

1,537,489. OPTICAL WASHER AND SCREW. CHARLES NOBS, Jr., Newark, N. J., assignor to Charles Nobs & Son, Newark, N. J., a Corporation of New Jersey. Filed Oct. 16, 1922. Serial No. 594,720. 3 Claims. (Cl. 88—53.)



1. In an optical frame connection, the combination with the frame, of an apertured hinge element secured to said frame, a temple having a hinge element secured thereto, said hinge elements adapted to inter-engage with their apertures in registry, a pintle screw inserted through said registering apertures, and a screw-threaded washer upon the exposed end of said screw for securing said temple and frame in permanent pivotal relation to each other, said washer having an annular projection surrounding its aperture, said projection adapted to be spun down over the end of said screw.

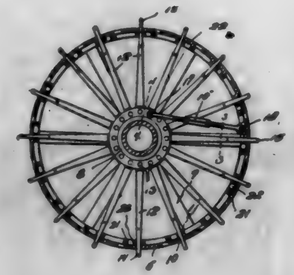
1,537,490. TESTING DEVICE FOR ARMATURES AND THE LIKE. THEODORE J. OMAN, Elmhurst, N. Y., assignor to P. J. Durham Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 13, 1921. Serial No. 492,170. 5 Claims. (Cl. 175—183.)



1. In an armature testing device, a supporting member comprising two limbs at substantially right angles, spaced insulation members on one of said limbs, and an adjustable insulation member carried on the other of said limbs and having independent contact fingers.

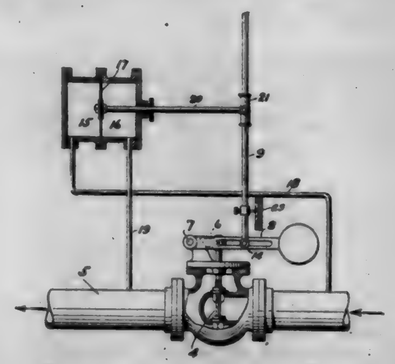
1,537,491. TRACTION WHEEL. CHARLES M. PALMER, Abingdon, Va. Filed Aug. 31, 1923. Serial No. 660,291. 2 Claims. (Cl. 301—46.)

1. A traction wheel comprising a hub and a rim held concentrically with relation to the hub, a sleeve rotatably mounted upon the hub, a rim having transversely disposed slots with flanges at the opposite sides thereof, the flanges at one side of the slots being spaced from the edges thereof, traction spurs pivotally connected at their inner ends with the sleeve and passing through the slots, springs interposed between the traction spurs and the



flanges which are spaced from the edges of the slots and means for turning the sleeve with relation to the hub and the rim.

1,537,492. FLUID-LEVEL-FEED CONTROL. OLIVER H. PAXSON, Jr., Philadelphia, and GEORGE F. FENNO, Upper Darby, Pa. Filed Nov. 24, 1922. Serial No. 603,058. 6 Claims. (Cl. 137—68.)

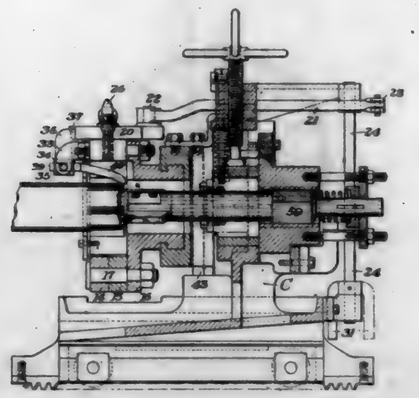


5. Fluid level feed control comprising a feed line subject to varying pressure, a boiler feed water regulator responsive to water level, mechanism actuated by pressure changes in said feed line, and means for providing graduated flow area in said line and operatively connected with said regulator and with said mechanism.

1,537,493. PIPE-THREADING MECHANISM. HARLEY D. PENNINGTON, Pittsburgh, Pa., assignor to United Engineering and Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 18, 1923. Serial No. 639,786. 1 Claim. (Cl. 10—96.)

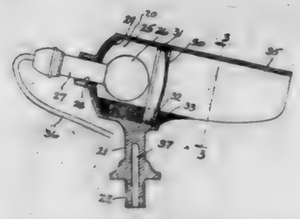
In a pipe threading machine, a die head, threading dies pivotally mounted thereon, a cam for opening and closing said dies, spaced arms projecting forwardly from said head, journal members adjustably mounted in said arms, an upwardly extending detent arm journaled between said spaced arms on said journal members and

adapted to engage a shoulder on the periphery of said cam, and a trip arm slidably mounted in said detent arm and held in adjusted position by said journal members,



said trip arm being arranged to be engaged by the end of the pipe being threaded whereby to move said detent arm to released position.

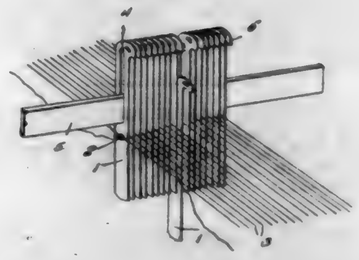
1,537,494. VEHICLE LAMP. WALTER J. PIKE, Newaygo, Mich. Filed Dec. 27, 1921. Serial No. 524,920. 1 Claim. (Cl. 240—7.)



A motor vehicle lamp comprising a cylindrical casing open at one end and provided with a lamp receiving aperture in the other end, the open end of the casing being formed into a hood open at the bottom and having downwardly extending side portions of unequal height, an annular flange on the exterior of said casing and surrounding said aperture, means for adjustably securing a lamp in said aperture, and means for attaching the casing to a vehicle in a position substantially longitudinal with said vehicle and inclined downwardly from rear to front.

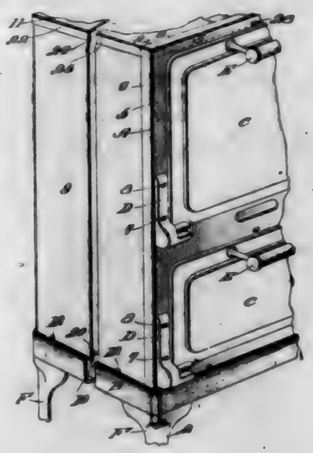
1,537,495. SURE-FIND DROP WIRE. OSTERN J. PLAYER, Rockingham, N. C., assignor of twenty-two and one-half per cent to H. L. Laws, twenty-two and one-half per cent to E. H. Bowling, ten per cent to G. T. McArthur, and ten per cent to J. C. Clarke, all of Durham, N. C. Filed Jan. 8, 1925. Serial No. 1,300. 2 claims. (Cl. 139—368.)

1. In a drop wire for looms wherein the same is provided with the usual longitudinal guide slot in the upper portion thereof to receive the usual guide bar, and a warp thread receiving opening below said slot, of means extending beyond the side edge of the upper portion of the drop wire at a point adjoining the upper end of the slot whereby the drop wire may be readily visible when the same becomes lowered, said means being provided



with a hook receiving opening to facilitate the raising of the drop wire, the opening being formed at a point above the upper end of the longitudinal guide slot.

1,537,498. GAS STOVE. MINARD A. POSSONS, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed July 7, 1924. Serial No. 724,610. 10 Claims. (Cl. 126—39.)
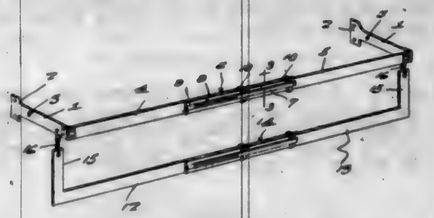


1. An oven housing comprising overlapping side and substantially U-shaped front walls, and a U-shaped angle iron overlapping, engaging and clamping both walls in position.

1,537,497. ADJUSTABLE SHADE AND CURTAIN BRACKET. BEULAH L. RAINS, Dunlap, Mo., assignor of one-fourth to Augusta G. Simpson and Martha Jane Newman, both of Alliance, Nebr. Filed May 1, 1924. Serial No. 710,236. 8 Claims. (Cl. 156—24.)

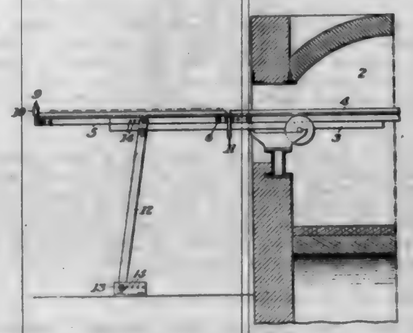
8. A window fixture of the class described comprising a pair of shade roller brackets, a pair of drapery supporting bars hingedly connected at their outer ends to said brackets, the inner ends of said bars being adjustably

connected together, a second pair of curtain supporting bars adjustably connected together at their inner ends, each bar being provided with a vertical portion at its



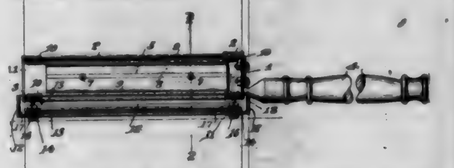
opposite end, and flexible connections between the last named ends of the vertical portion and the intermediate portions of the aforesaid shade brackets.

1,537,498. TILTING TABLE FOR LEERS. LOUIS R. SCHMERTZ, Ligonier, and LAWRENCE A. GESSNER, Jeannette, Pa., assignors to Window Glass Machine Company, Pittsburgh, Pa., a Corporation of New Jersey. Filed May 16, 1923. Serial No. 639,330. 13 Claims. (Cl. 214—18.)



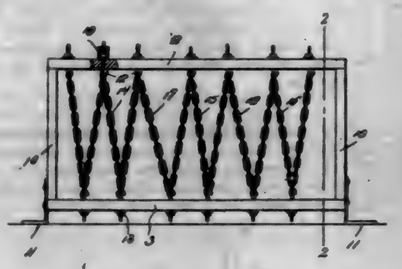
1. In a leer, a pivoted receiving table and means spaced from the pivot for supporting the table, said means including a point of support movable with respect to the pivot point of the table and thereby operating to tilt the table, substantially as described.

1,537,499. TOASTER. EDWARD D. SCHMIDT, Medford, Okla. Filed Mar. 14, 1924. Serial No. 699,246. 4 Claims. (Cl. 53—5.)



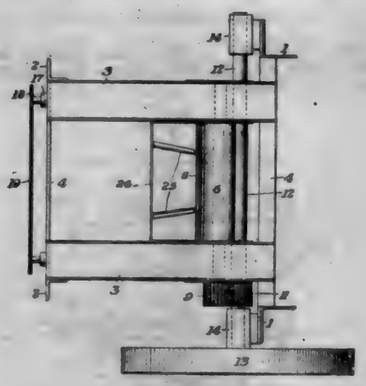
1. A toaster appliance comprising, a support having a foraminous bottom and provided with vertically disposed spacing elements, a rectangular frame constituting a holder having the top, bottom and front thereof open and adapted to be mounted on said element, said frame further having an inturned flange along the top and bottom edge of the sides and back, a guide and retaining member comprising a relatively long substantially M-shaped member having the free ends of the legs and the central portion thereof resting against and extending along the inner face of each side wall and secured thereto, and a foraminous screen removably held between the flange of each side and the adjacent leg of said member to retain within the holder between the screens, an article to be toasted.

1,537,500. ELECTRICAL RESISTANCE. CHARLES EDWARD SCOTT, Isaban, W. Va. Filed Apr. 23, 1924. Serial No. 708,474. 1 Claim. (Cl. 201—63.)



A variable electric resistance device comprising a frame having parallel side bars, hooks having shanks passing transversely through said bars, means for adjusting the hooks longitudinally and transversely of the bars, a chain having its terminal links engaged with certain of the terminal hooks, and intermediate links of the chain being engaged with the other hook, whereby stretches of the chain are disposed transversely across the space between the bars, and the adjacent stretches of the chain being disposed at angles with relation to each other.

1,537,501. APPARATUS FOR STRAIGHTENING METAL ARTICLES. CHARLES A. SELEY, Sewickley, and MILO M. MCCALLISTER, Erie, Pa., assignors to American Flexible Bolt Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Oct. 21, 1921. Serial No. 509,868. 4 Claims. (Cl. 153—54.)



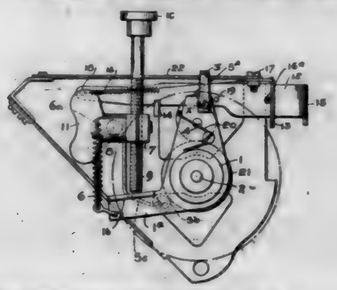
1. In a machine for straightening metal articles, the combination of a frame, a plurality of rolls mounted in said frame, means for introducing an article between said rolls with its axis substantially parallel to the axes of the rolls, said means being adapted to position the article against one of said rolls, and also including a depression in said rolls into which the article passes from said introducing means, and means for adjusting said rolls relative to each other for straightening articles of different sizes, substantially as described.

1,537,502. BINDER. ROLAND WINCHESTER SELLEW, Middletown, Conn. Filed Dec. 20, 1922. Serial No. 607,964. 6 Claims. (Cl. 281—1.)



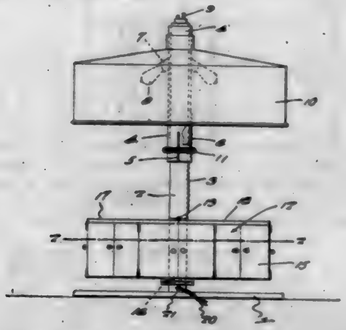
1. In a device of the character described, a unitary binder member, means for permanently securing a plurality of sheets to said unitary binder member, and means for detachably securing a plurality of sheets directly to said unitary binder member, said permanently and detachably secured sheets being separated at the points of securing.

1,537,503. TYPEWRITER-SPACING MECHANISM. BARNETT SHATZ, Buenos Aires, Argentina, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 29, 1923. Serial No. 615,688. 7 Claims. (Cl. 197—114.)



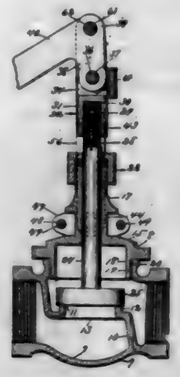
1. The combination with a platen shaft, of a friction disk mounted on the same, a cam pawl adapted to lock with said disk, means for swinging said cam about its axis to cause the cam to lock with said disk, and means, including a second cam pawl acting on said disk, for holding the cam in a fixed position relatively to said disk after the cam has been locked to the disk.

1,537,504. ELECTRIC LAMP. JOHN SHEEDY, Seattle, Wash. Filed May 27, 1924. Serial No. 716,195. 1 Claim. (Cl. 240—81.)



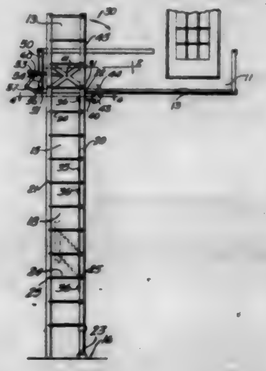
An electric lamp comprising a base, a supporting standard extending upwardly therefrom, corrugations provided on the upper portion of the standard, a tubular member having its lower end slit and receivable on the upper end of the standard, corrugations provided on the inner wall of the tubular member for cooperation with the corrugations on the standard whereby the tubular member may be supported in various adjusted positions on the standards, a clamping ring disposed around the lower split end of the tubular member for securing the same in engagement with the standard, electric lamps carried by the upper portion of the tubular member, and a lamp shade carried by the tubular member and extending over the lamp.

1,537,505. VALVE-OPERATING MECHANISM. RICHARD H. SMITH, Norton, Mass., assignor of one-third to Homer L. Lane and one-third to Charles H. Lane, both of Norton, Mass. Filed Apr. 17, 1923. Serial No. 632,694. 6 Claims. (Cl. 251—41.)



3. In a valve operating mechanism, a valve casing, a valve stem, a swinging frame pivotally mounted and carrying a cross member, and a lever of elbow form pivoted at its elbow on the upper end of said frame, and fulcrumed on the said valve stem, said lever being movable to bring the pivot of its elbow upon either side of the vertical axis of the stem.

1,537,506. COLLAPSIBLE FIRE ESCAPE. ANTONIN SPERL, Pomona, Calif. Filed June 15, 1922. Serial No. 568,440. 18 Claims. (Cl. 227—5.)

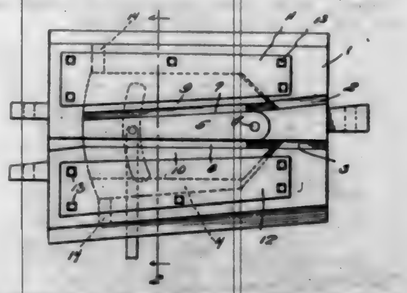


16. In a fire escape, the combination of: a collapsible ladder; and a ladder member pivoted at the upper end of said collapsible ladder adapted to serve as an extension to said ladder when in vertical position and adapted to collapse said collapsible ladder when swung out of vertical position.

1,537,507. PRODUCTION OF VAT DYES. HAROLD W. STIEBLER, Lawrence, Mass. Filed Nov. 6, 1920. Serial No. 422,185. 3 Claims. (Cl. 260—29.)

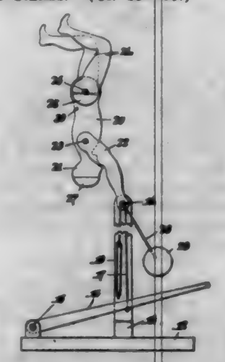
1. The process of producing anthraquinone vat dyes which consists in reacting on an amino derivative of anthraquinone with nitrobenzene in the presence of caustic alkali at a temperature of about 185° C.

1,537,508. SWITCH FROG. JAMES P. SWIFT, Millstone, Ky. Filed Dec. 13, 1924. Serial No. 755,785. 1 Claim. (Cl. 246—442.)



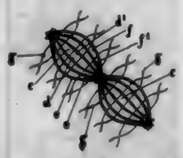
A switch frog comprising a base plate having longitudinally extending grooves formed in the upper surface thereof, said grooves converging toward the forward end of the plate, said base plate being a recess provided therein between the ends thereof and communicating with the grooves, a tongue pivoted at its rear end in the recess and having converging grooves provided in the upper surface thereof adapted to be brought in alinement with the corresponding grooves provided in the base plate, the upper surface of the tongue forming tread portions on both sides of both grooves, and cover plates secured on the upper surface of the base plate and extending over the sides of the recess and over the major portions of the tread portions on the outer sides of the grooves in the tongue, said base plate having recesses provided with drain openings at the sides thereof.

1,537,509. FIGURE TOY. ARTHUR W. TUPPER, Riverdale, Md., assignor of one-half to Dwight B. Galt, Riverdale, Md. Filed Apr. 28, 1921. Serial No. 465,198. 18 Claims. (Cl. 46—40.)



1. In a device of the class described, a rotatable support, a body, arms connected rigidly at one end to said support and pivoted at their opposite ends to said body, free swinging members pivoted inwardly from one end to said body, and weights on the short ends of said members to normally maintain said members in one position.

1,537,510. METHOD OF PRODUCING LEAFLIKE FIGURE WORK IN BRAIDED LACE. EMIL BÖRBECK, Barmen, and EUGEN TÜRCK, Langerfeld, near Barmen, Germany. Filed Aug. 26, 1921. Serial No. 495,724. 3 Claims. (Cl. 96—24.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



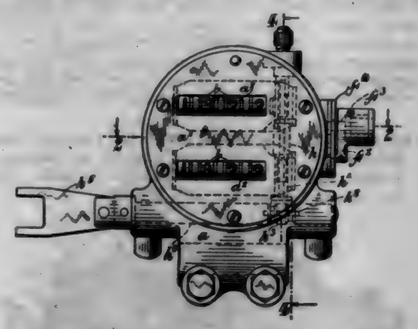
1. The method of producing leaf-like figure-work in braided lace which comprises forming each leaf by braiding together a plurality of longitudinal threads by means of a plurality of groundwork threads each of which only once crosses each of said longitudinal threads and causing the outer longitudinal threads to intercross at either end of the leaf so as to change sides, a leaf like figure being formed as a continuation of the first after the intercrossing of the longitudinal threads.

1,537,511. WHEAT AND FLAX SIEVE. CARL ULFSETH, Marshall, Minn. Filed Mar. 3, 1924. Serial No. 696,529. 3 Claims. (Cl. 130—19.)



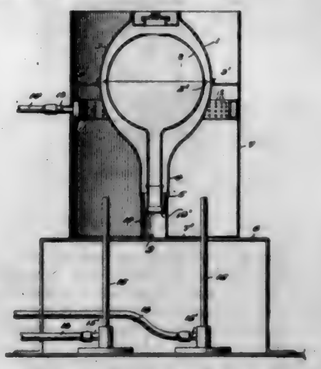
2. A grain sieve including a frame having parallel spaced side members, a plurality of sieve plates rotatably mounted in said side members having the adjacent edges of the adjacent plates arranged in overlapped relation, means for simultaneously rotating said plates in the frame for spacing the overlapped ends of each plate relative to one another, and for adjusting said spacing of the plates for separating different varieties and grades of materials, and means carried by the sieve plate for cleaning the spaces between the overlapped edges thereof.

1,537,512. DUPLEX COUNTING MACHINE. CURTIS HUBBY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Feb. 24, 1923. Serial No. 620,878. 2 Claims. (Cl. 235—91.)
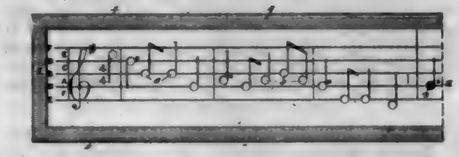


1. A duplex counter comprising two counting machines mounted on parallel axes, each having a driving gear, a common shiftable driving pinion for engagement with one gear or the other, a driving worm, a swinging yoke mounted at one side of the worm and supporting the pinion at the other side of the worm in constant engagement therewith, and means to operate the yoke to shift the driving pinion into engagement with one gear or the other.

1,537,513. VACUUM-BOTTLE HEATER. WALTER WAGNER, Chicago, Ill. Filed Oct. 5, 1922. Serial No. 592,664. 13 Claims. (Cl. 34—26.)



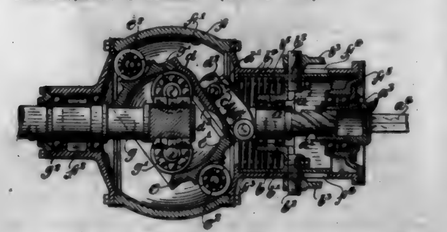
1. In a heater for vacuum bottles of the type including a body portion having a central annular bead or flange projecting therefrom and having a neck portion with a shoulder formed thereon inwardly of the outer edge thereof, a housing, means within said housing for engaging said annular bead or flange portion of the bottle and the shoulder portion of the neck thereof for supporting the bottle in an inverted position within the housing, and burner elements within the housing supported adjacent the walls thereof.

1,537,514. MUSIC-INSTRUCTION GAME. JESSIE LEE WEEKS, New York, N. Y. Filed Aug. 7, 1924. Serial No. 730,625. 8 Claims. (Cl. 273—132.)



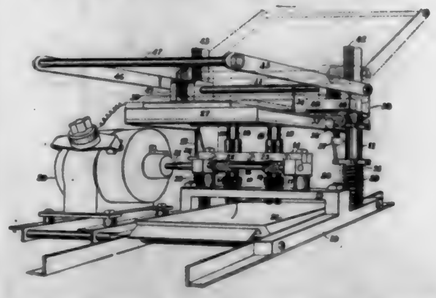
8. The combination with a game board having indicia thereon representing the staff of a melody, the notes of said melody being indicated by holes formed in the surface of said game board, said holes appearing as differently colored when the board is placed on a supporting surface for playing a game, of balls corresponding in color to said holes and adapted to be placed therein for the purpose specified, and a pack of cards bearing notes corresponding to those used in the melody on said board.

1,537,515. TRANSMISSION DEVICE. CARL W. WEISS, Brooklyn, N. Y., assignor of one-half to Clarence B. Sturges, Fairfield, Conn. Filed Sept. 13, 1922. Serial No. 587,897. 5 Claims. (Cl. 74—26.)



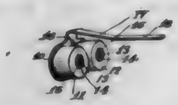
1. The combination of a variable speed transmission device having a nutating element capable of being changed in position to vary the speed ratio, a torque-responsive element having one part connected to said nutating element and the other part adapted to receive rotary movement, a longitudinally movable bearing for the first named part, means to support said bearing, means tending normally to move said bearing in one direction, and independent means under the control of the operator to move said bearing in opposition to the last named means.

1,537,516. PERFORATING MACHINE. NELSON S. WELK and ALEXANDER B. ROB, Athens, Ohio; said Welk assignor of his entire right to The McBee Binder Company, Athens, Ohio. Filed Nov. 17, 1921. Serial No. 515,793. 4 Claims. (Cl. 164—90.)



1. A perforating machine comprising a spring actuated assembly base with perforations therein; hollow drills mounted for rotation beneath the assembly base, the drills registering with the perforations; a pressure bar mounted for vertical movement above the assembly base and in alinement above the perforations; means to move the pressure bar downward to engagement with the material to be perforated and to continue said pressure downward until the drills have perforated the material and come into engagement with the pressure bar.

1,537,517. SIGHT AND BARREL PROTECTOR FOR GUNS AND RIFLES. FRANK L. WHEELING, Los Angeles, Calif. Filed Sept. 4, 1924. Serial No. 735,775. 9 Claims. (Cl. 42—76.)



8. A sight protector for gun barrels, comprising a finger adapted to be secured upon the muzzle end of a gun, said finger extending rearwardly over the front sight of the gun.

9. A gun barrel protector comprising a plate adapted to be placed over the muzzle of a gun, a pin secured to said plate and extending into the barrel, and a felt washer mounted about said pin presenting a substantially cylindrical surface adapted to engage the interior surface of a gun barrel.

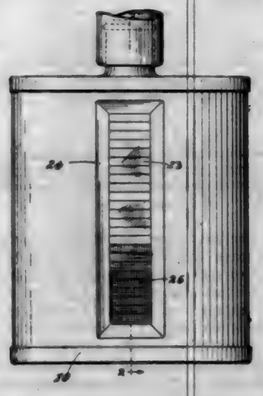
1,537,518. COATED FABRIC AND METHOD OF MAKING SAME. JOHN A. WILSON, Elizabeth, N. J., assignor to Duratex Corporation, Newark, N. J., a Corporation of New Jersey. Filed Mar. 9, 1920. Serial No. 364,571. 11 Claims. (Cl. 91—70.)

1. A coated fabric comprising a fabric base having applied thereto a mixture of rubber and inert, resilient organic material of low density and not readily permeable to water.

6. A coated fabric comprising a fabric base carrying a vulcanized coating composed of a mixture of rubber and comminuted cork.

7. A method of making a coated fabric comprising, mixing crude rubber with a relatively inert material of specific gravity less than one, adding an amount of evaporable or relatively fugitive substance to render the mixture fluid, applying the same to a fabric base, causing evaporation of said substance, and curing the applied coating.

1,537,519. INDICATING GAS-MASK CANISTER. MAX YARLICK, New York, N. Y. Filed Dec. 5, 1924. Serial No. 754,108. 5 Claims. (Cl. 23—252.)



1. A respirator canister having an air inlet at one end thereof and an outlet at the other, a filler for said canister for abstracting a definite impurity from air drawn therethrough, said filler including a part extending substantially the distance between the ends of the canister and subject by contact with said impurity to change in appearance, said canister exposing to view the length of said part, whereby the residual life of the canister can be readily ascertained.

1,537,520. BURNISHING BARREL. GEORGE E. ABBOTT, West Hartford, Conn., assignor to The Abbott Ball Company, West Hartford, Conn., a Corporation of Connecticut. Filed Aug. 26, 1921. Serial No. 495,521. 9 Claims. (Cl. 51—164.)



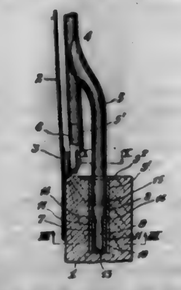
1. A receptacle rotatably mounted and having a peripheral opening to the interior thereof, a closing member for said opening, means for securing said closing member in place, and a work holder member removably secured to said receptacle and adapted to serve as a vehicle for removal of articles from the receptacle, said work holder member also closing said opening and being supported by the walls thereof.

1,537,521. BOLT. ANTENOR ASSORATI, Lynbrook, N. Y., assignor of one-half to Henri Charpentier, Lynbrook, N. Y. Filed Sept. 12, 1924. Serial No. 737,804. 7 Claims. (Cl. 85—4.)



1. A lock bolt comprising clamping members having a recess, an intermediate member provided with laterally movable yielding means arranged to enter said recess for interlocking said members.

1,537,522. MOUNTING FOR AUTOMOBILE SIDE INCLOSURES. GEORGE E. BISHOP, Cleveland, Ohio. Original application filed Oct. 2, 1919, Serial No. 327,952. Divided and this application filed Apr. 18, 1922. Serial No. 554,462. 8 Claims. (Cl. 296—139.)



1. A support and mounting for automobile side inclosures comprising, a cylindrical supporting rod having a plane lower end; and a bushing adapted to be secured to an automobile body, said bushing having an upper cylindrical portion receiving the cylindrical rod with a non-bending fit and a lower portion having a plane surface formed closely to register with the plane surface of the supporting rod, interiorly disposed shoulders being formed in the bushing intermediate said upper and lower portions thereof and upon which the cylindrical rod rests.

1,537,523. DANGER SIGNAL. PETER J. BOLAND, Berwyn, Pa. Filed July 24, 1922. Serial No. 577,177. 4 Claims. (Cl. 40—145.)



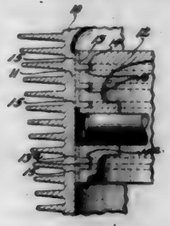
1. A device of the character described comprising in combination a base plate, a sign supporting member pivotally supported on said base plate so as to be angularly adjustable thereon in a horizontal plane, a sign, connecting means whereby the sign is secured to the sign supporting means with freedom for angular ad-

justment with reference to a horizontal line running parallel to the plane of the sign and means for securing the sign supporting means and the angularly adjustable sign in fixed position.

1,537,524. COLORING OR DYEING PHOTOGRAPHIC IMAGES. PERCY DOUGLAS BREWSTER, East Orange, N. J. Filed Dec. 6, 1918, Serial No. 265,656. Renewed May 13, 1924. 2 Claims. (Cl. 95—88.)

1. In the art of coloring or dyeing photographic silver images, the improvement comprising treating the silver of the image with a solution containing a potassium halide of the iodine-chlorine-bromine class, and with a solution containing the same halide and the corresponding halogen.

1,537,525. PISTON. ROLAND CHILTON and HAROLD H. YOUNG, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, a Corporation of New York. Filed Oct. 26, 1923. Serial No. 670,833. 14 Claims. (Cl. 74—109.)



1. In an internal combustion engine, in combination, a piston, a cylinder, split rings arranged on the piston in contiguous relation and constituting an upper and lower bearing means for the lateral support of the piston within the cylinder, each ring being in one piece and comprising as to its cross section a pair of integral rectangular portions adapted the one to contact on its periphery with the cylinder and with its inside circumference with the piston and the other to engage with suitable slots in the piston.

1,537,526. HEADLIGHT LENS. LOUIS DUFEK, Seattle, Wash. Filed July 16, 1923. Serial No. 651,696. 2 Claims. (Cl. 240—48.4.)



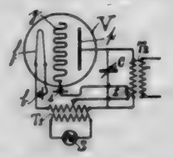
1. A headlight lens, comprising a body having a transversely and downwardly extending ridge on its upper face portion and an inwardly extending ridge on its back portion complementary to the first ridge, said ridges defining downwardly extending light deflecting surfaces, the upper surface of the first ridge to where it merges into the rim and the lower surface of the second ridge being of a color adapted to dim and diffuse upwardly extending rays of light, a plurality of transversely extending spaced ridges on the face located below the first ridge, complementary inwardly extending ridges on the back of the body to define, in connection with said pludality of ridges, downwardly extending light deflecting surfaces, the upper surfaces of which are translucent, an upstanding, curved, light refracting ridge on either side of the face of the body and connecting the ends of said transversely extending ridges, a plurality of vertical light refracting ribs disposed in the medial portion of the face and between a pair of the transversely extending ridges, a series of vertically extending light refracting ribs located between the ridges on the back of the body and angularly disposed toward a side of the body, and a second series of vertically extending light refracting ribs located between the ridges on the back of the body and angularly disposed toward the other side of the body.

1,537,527. DRAWING-FRAME ROLLER. LUKE DUNKERLEY, Oldham, England, assignor to Asa Lees and Company Limited, Oldham, Lancaster, England. Filed Feb. 26, 1924. Serial No. 695,169. 1 Claim. (Cl. 19—112.)



A device of the character described, comprising an integral wooden roller bored from opposite ends thereof to points at opposite sides of the center of its length thereby to form a central disk integral with the roller, disks secured in the opposite ends of said roller, each of said disks being provided with a central axially extending opening, and a shaft extending through said openings and secured to each of said end disks, said shaft extending beyond the roller at both ends thereof thereby to provide bearing portions for the roller.

1,537,528. APPARATUS FOR PRODUCING THERMIONIC EFFECTS. CORNELIUS D. EHRET, Philadelphia, Pa. Filed Apr. 29, 1919. Serial No. 293,485. 18 Claims. (Cl. 179—171.)



1. The combination with a thermionic device comprising an anode, cathode and control electrode, of an anode circuit, a source of fluctuating current independent of said device impressing fluctuating current upon said anode circuit, and an aperiodic connection to said control electrode from a point between the terminals of said source.

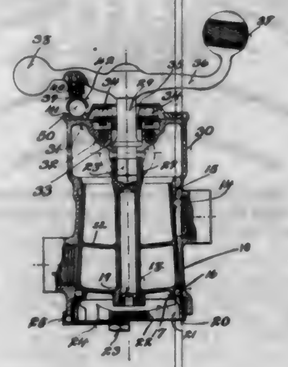
1,537,529. TOOL HANDLE. STONE R. ENBERG, Worcester, Mass., assignor to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 1, 1923. Serial No. 621,985. 2 Claims. (Cl. 145—61.)



1. In a tool handle mounting, a tool shank having an annular groove adjacent the end thereof, a metal cup adapted to fit over the end of said tool shank, and having a portion of the walls thereof displaced inwardly to

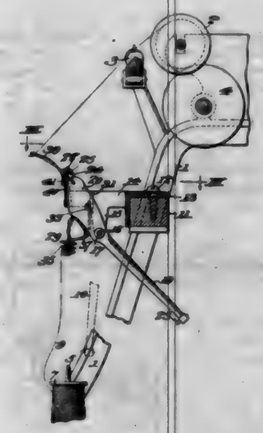
engage in said groove and prevent removal of said cup while permitting rotation of the same on the shank, and a handle member tightly enclosing and substantially concealing said cup.

1,537,530. VALVE. JOHN A. ESSENSON, Milwaukee, Wis. Filed Apr. 25, 1922. Serial No. 556,481. 4 Claims. (Cl. 251—100.)



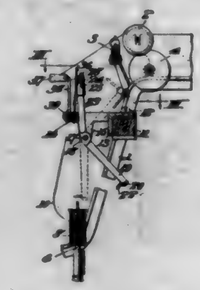
1. In a device of the class described, the combination of a casing having a mixing chamber, an opening for one liquid, an opening for another liquid, an exit opening, a valve having a chamber for the first liquid and a chamber for the second liquid, a plurality of apertures for each chamber, said chambers opening into said mixing chamber, and means for rotating the valve to present said apertures selectively to an inlet opening.

1,537,531. THREAD-BREAKING DEVICE FOR SPINNING MACHINES. FERDINAND Q. HARTMAN and EUGENE ATWOOD HARTMAN, Danville, Pa. Filed Dec. 20, 1924. Serial No. 757,202. 5 Claims. (Cl. 117—82.)



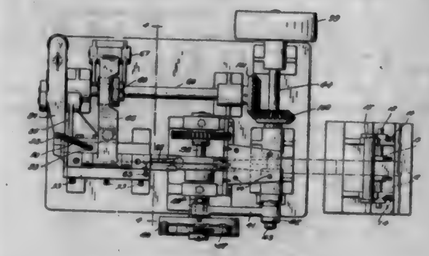
1. A thread breaking device for spinning machines in which a plurality of threads are independently spun and wound on a single take up spool comprising, a counterbalanced thread breaker pivoted to swing into position to break the threads, and a device carried by said breaker for guiding the threads, said device being movable on the breaker, the device and breaker being released by the breaking of a thread to permit the breaker to swing into the path of the unbroken thread.

1,537,532. THREAD-BREAKING DEVICE FOR SPINNING MACHINES. FERDINAND Q. HARTMAN and EUGENE ATWOOD HARTMAN, Danville, Pa. Filed Jan. 23, 1925. Serial No. 4,251. 15 Claims. (Cl. 117—82.)



1. A device of the character described comprising, a counterbalance thread breaker pivoted to swing into position to break the threads, and a device mounted to oscillate on said breaker and provided with a bar for supporting the threads, whereby the breaking of a thread will free the bar and cause the device to rock and the breaker to swing into the path of the unbroken thread.

1,537,533. FIBER-CRIMPING MACHINE. WILLIAM JANNELL, West Park, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 28, 1921. Serial No. 456,146. 28 Claims. (Cl. 18—19.)

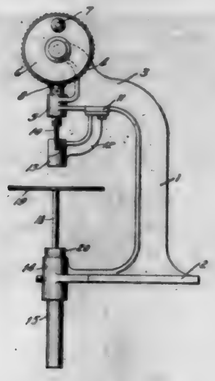


1. In a device of the class described, a stationary and a movable die member, a knife adapted to cooperate with the stationary member to cut a piece of material therein, means for actuating the knife when the die is closed and resilient means for holding said knife in cooperative relation with said die when the knife is actuated.

1,537,534. VALVE-CORE SEATING AND REMOVING MACHINE. ITHMAR M. JONES, Taylorville, Ill., assignor of one-half to Samuel Scudder, Taylorville, Ill. Filed Jan. 15, 1923. Serial No. 612,872. 3 Claims. (Cl. 81—57.)

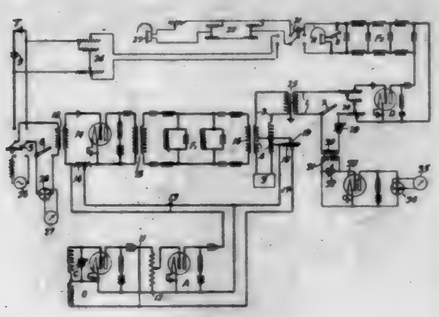
1. A machine for thread seating in and removing cores from valve stems including, in combination, a standard, a table upon the standard for supporting the tube

and stem, a tool mounted upon the standard for rotary movement in a vertically stationary plane above the table for actuating the core to be thread-seated in or



removed from the stem, means upon the standard for rotarily actuating the tool, and spring means yieldingly urging said table toward said tool.

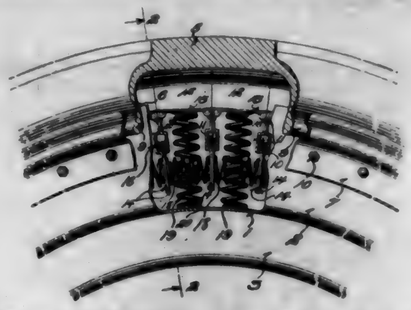
1,537,535. SIGNALING BY HIGH-FREQUENCY WAVES. FREDERICK W. KRANS, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 29, 1919. Serial No. 327,050. 21 Claims. (Cl. 179—171.)



1. In signaling by high frequency waves, the method of controlling the quality of signal reception which comprises transmitting a signal-modulated high frequency wave, independently transmitting a high frequency wave of the same frequency unmodulated and combining said signal-modulated and independently transmitted high frequency waves to produce the signal.

1,537,536. RESILIENT TIRE. ARTHUR W. LEES and JOHN J. SOKOL, Racine, Wis. Filed July 28, 1923. Serial No. 654,370. 3 Claims. (Cl. 152—8.)

1. A resilient tire comprising an inner casing adapted to be secured to the felly of a wheel, an outer flexible casing surrounding said inner casing and concentric therewith, means for securing said outer casing to said inner casing, a plurality of blocks located with said outer casing, a plurality of pairs of radially arranged springs located between said blocks and said inner casing, a plu-



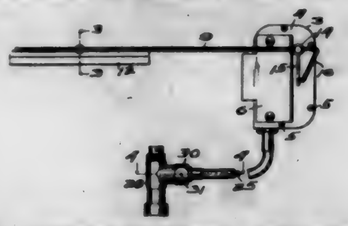
rality of radially positioned, inwardly extending plates hinged to said blocks, and a plurality of springs located between said plates.

1,537,537. EDGE TRIMMER FOR LAWNS. LEO H. LIEBSCHER, Milwaukee, Wis. Filed Mar. 1, 1924. Serial No. 696,240. 4 Claims. (Cl. 97—227.)



1. An edge trimmer of the character described comprising, a handle, means carried by the handle for insertion between the walk and the turf, a lever pivoted on said handle, a cutter blade carried by said lever, and a spring for retaining the lever in its normal position.

1,537,538. WINDSHIELD-WIPER-OPERATING MECHANISM. GEORGE H. LOBER, Toledo, Ohio. Filed July 9, 1921. Serial No. 483,895. 2 Claims. (Cl. 74—7.)



1. In a mechanism for operating a wiper of an automobile having a speedometer, a shell, a pair of gear wheels located in the shell, one of the gear wheels connected to the flexible drive shaft of the speedometer, the other of the gear wheels connected to the wiper mechanism, a collar connected to the last named gear

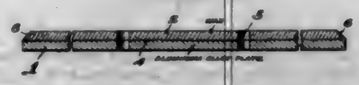
wheel and having a pair of channels, an elastic member for entering one or the other of the channels for engaging the collar to hold the gear wheels either in mesh or out of mesh.

1,537,539. PHOTOMICROGRAPHIC CAMERA. FRANCIS F. LUCAS, East Orange, N. J. Filed Nov. 22, 1921. Serial No. 517,017. 11 Claims. (Cl. 95—31.)



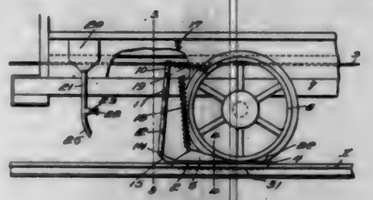
1. A container for enclosing sensitized medium comprising a compartment for the sensitized medium under exposure, said compartment having an opening, a slide for closing said opening of said container, a cover for said container, means disposed adjacent said cover for supporting a sensitized film medium, means disposed in said compartment for supporting a sensitized plate medium and means including a substantially flat plate provided with an opening for locating the position of the sensitized film medium and the sensitized plate medium when in exposed position.

1,537,540. ELECTROTYPER'S CASE. WALKER W. MCCARROLL, New Haven, Conn. Filed Sept. 8, 1924. Serial No. 736,502. 3 Claims. (Cl. 204—6.)



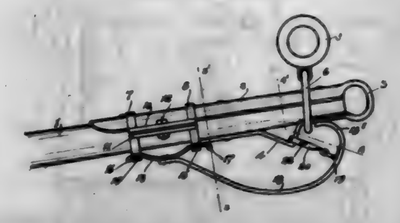
1. An electrotyper's case formed of a hard rolled plate composed of aluminum having 1 to 10% of a hardening metal incorporated therein.

1,537,541. AUTOMATIC SAFETY BRAKE. FRANK L. MCCARTY and ALFRED R. ANDERSEN, Rock Springs, Wyo. Filed Sept. 3, 1924. Serial No. 735,609. 2 Claims. (Cl. 188—36.)



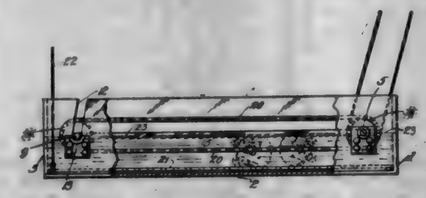
1. An emergency brake for railway cars comprising in combination with a car body, a wheel and a rail, a laterally extending shaft carried by said car body and mounted for limited rotatative movement, a journal on one end of said shaft, a brake shoe pivotally mounted in said journal, means for supplying sand to said rail, spring means for normally maintaining said brake shoe out of engagement with said wheel and rail and rendering said aforementioned means inoperative, separate spring means tending to thrust said brake shoe to a position intermediate said wheel and rail and means for normally rendering said last mentioned spring means inoperative.

1,537,542. TONGUE ATTACHMENT. ALONZO MATHER, Fairlight, Saskatchewan, Canada. Filed Mar. 23, 1922. Serial No. 548,016. 4 Claims. (Cl. 278—51.)



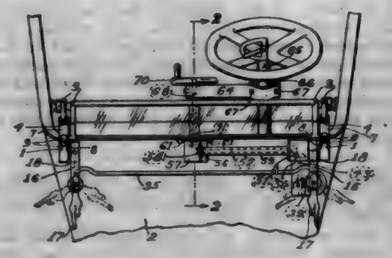
1. The combination, with a vehicle tongue provided with the usual knee, of a neck yoke retaining member having its rear end anchored to the tongue and its forward end bearing against the tongue to retain the neck yoke ring thereon, a plate hinged to an intermediate portion of the retaining member, a pair of clamping jaws pivoted to said plate having their free extremities hooked to engage behind said knee, and means for securing said jaws together in knee engaging relation.

1,537,543. SCALDING-TANK CONVEYER. OSCAR G. MAYER, Chicago, Ill. Filed Aug. 6, 1923. Serial No. 656,033. 3 Claims. (Cl. 17—15.)



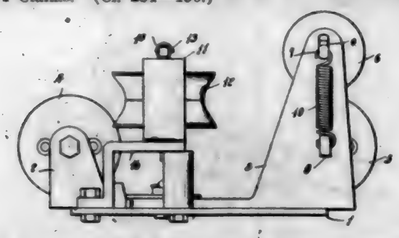
1. In an apparatus of the kind specified, a vat, a plurality of crank shafts transversely arranged in said vat, a rack connecting the cranks of said shafts, and means for removing one of said shafts from the vat to render said rack idle.

1,537,544. SIGNALING DEVICE FOR MOTOR VEHICLES. EDWARD W. MEYER, St. Louis, Mo. Filed June 11, 1924. Serial No. 719,280. 3 Claims. (Cl. 116—48.)



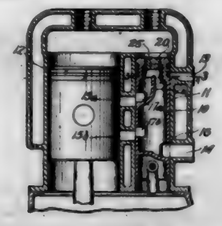
1. In an automobile signal, a bracket having spaced parallel arms, a lamp housing pivoted between said arms, a tubular extension projecting from one side of said housing, a transparent pointer mounted on the end of and opening into said extension, a lamp in said housing, and means to rotate the housing.

1,537,545. CABLE GUIDE. RUPERT R. MORTON, Finlow, W. Va. Filed Oct. 11, 1924. Serial No. 743,179. 4 Claims. (Cl. 254—190.)



1. A cable guide of the character specified comprising spaced guide pulleys, one of the pulleys being mounted to move into and out of alinement with the other pulley, and a pair of transversely arranged guide pulleys each being yieldingly mounted to move toward and from one another.

1,537,546. INTERNAL-COMBUSTION ENGINE. ALDEN E. OSBORN, New York, N. Y. Filed Jan. 14, 1920, Serial No. 351,345. Renewed Mar. 10, 1925. 9 Claims. (Cl. 123—75.)



1. In an internal combustion engine, a piston, a tubular intake valve of the piston type having the head thereof exposed at all times to the heat and pressure of the burning gases, said tubular valve having ports in the sides thereof and a deflecting wall between said ports extending toward the head of the valve for directing the incoming gases in their passage from one port to the other toward the gas-heated head of the valve.

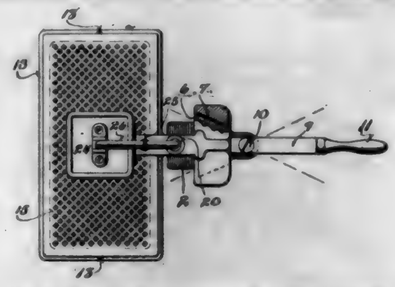
1,537,547. ADVERTISING DEVICE. CHARLES H. PERKINS, Poughkeepsie, N. Y. Filed Mar. 25, 1924. Serial No. 701,751. 4 Claims. (Cl. 104—58.)



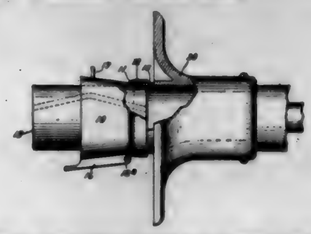
3. A device of the character described including a hidden carriage, means to move said carriage, spaced apart wheels carried by said carriage, a sheet of flexible material above said wheels and a movable member including wheels resting upon the flexible sheet and being supported by the carriage wheels, whereby movement of the carriage will cause movement of the visible movable element.

1,537,548. GRATER. FRITZ J. E. PETERS, Milwaukee, Wis. Filed July 26, 1924. Serial No. 728,437. 2 Claims. (Cl. 146—178.)

1. The combination of a supporting standard having an aperture therethrough, an oscillatory bar pivoted to said standard and projecting through said aperture and having a manipulating handle at its outer end, a grater supporting frame secured to the inner end of said bar and adapted to be oscillated thereby, said frame having upstanding flanges, a grater plate adapted to rest upon said flanges and having downturned flanges adapted to fit thereover, means for temporarily locking said grater plate to said frame, a tubular member rigidly carried by said standard above said grater plate, and adapted to receive material to be grated therein, and a spring urged pressure block located within said tubular member and adapted to press such material into contact with said grater plate.



1,537,549. SLEEVE CONTRACTOR. ANDREW RAFFAY, Schenectady, N. Y. Filed June 11, 1923. Serial No. 644,651. 7 Claims. (Cl. 29—88.2.)



1. A sleeve contractor comprising a split resilient band having end projecting radially from the periphery thereof, and a locking member hingedly connected with the other end of said band and having a flange the interior surface of which makes engagement with the outer surface of said projecting end for holding the band in contracted position.

1,537,550. LUBRICATOR FOR DEEP-WELL-DRILLING APPARATUS. CLARENCE E. REED, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed Jan. 13, 1923. Serial No. 612,481. 6 Claims. (Cl. 255—71.)



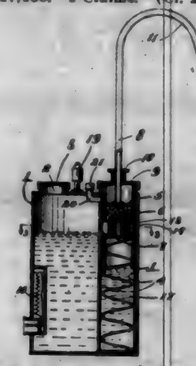
1. In rotary deep well drilling apparatus the combination of a drill stem, a head carrying cutters, a lubricant chamber with conduits leading to the cutter bearings, a piston in the chamber for forcing the lubricant to the cutter bearings, a screw threaded rod extending lengthwise of the lubricant chamber and through the piston, said screw rod having an extension coaxial with the apparatus and bearing at the center of the bottom of the hole being drilled, said extension holding the screw rod against rotating in unison with the rotation of the whole apparatus together with the piston whereby said piston is advanced along the screw rod, substantially as described.

1,537,551. ROTARY DEEP-WELL-DRILLING APPARATUS. CLARENCE E. REED, Houston, Tex., assignor to Reed Roller Bit Company, Houston, Tex., a Corporation of Texas. Filed May 24, 1923. Serial No. 641,144. 1 Claim. (Cl. 255—71.)



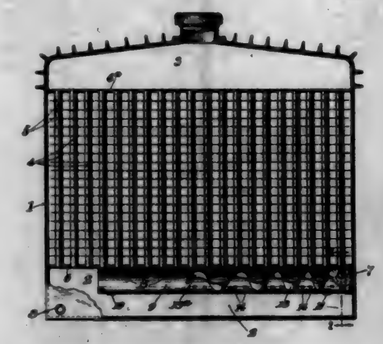
A rotary bit for deep well drilling, comprising a head having a recess in its lower face with bridgepieces extending across said recess, cross roller cutters in said recess, and journal means for said cross roller cutters mounted in the end walls of the recess and in the bridge pieces, said bridge pieces being at different distances from the axial center of the drill head and with the portion of the cross roller cutter on one side of said center, extending across and below the path described by the bridge, on the other side of said axial center so that the surface of the bottom of the hole below said bridge pieces will be cut, substantially as described.

1,537,552. LATHER-MAKING DEVICE. MICHAEL ROTUNNO, New York, N. Y. Filed Feb. 7, 1923. Serial No. 617,488. 4 Claims. (Cl. 299—97.)



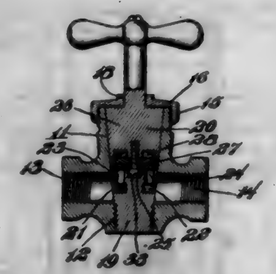
1. In a lather-making device, a liquid containing member, a soap containing, perforated plunger, operable within same, an ejector tube and plunger operating means attached to said plunger and connecting with the interior thereof, and spring operating means for normally maintaining the said plunger in its uppermost position.

1,537,553. RADIATOR. SAMUEL W. RUSHMORE, Plainfield, N. J. Filed June 10, 1924. Serial No. 719,039. 9 Claims. (Cl. 257—25.)



1. A radiator of the type comprising a lower chamber, an upper chamber and intermediate cooling passages, in combination with inlet and outlet passages for short-circuit flow of steaming liquid through said lower chamber and a flow retarding passage of greater cross-section than the inlet into which the inlet discharges.

1,537,554. STOP COCK. WILLIAM FRANCIS RYAN, Florence, Mass. Filed Dec. 24, 1924. Serial No. 757,838. 7 Claims. (Cl. 251—84.)



1. In a stop cock, a valve body having a bore and an inlet and an outlet communicating with said bore at one end thereof, a plug including rotating and stationary sections, the stationary section sealing the bore of the body at the end having the inlet and outlet and having ports connecting the inlet and outlet with the upper face of the stationary section, the rotating section having ports opening through its lower face and movable into or out of alignment with the ports of the stationary section and a channel within the rotating section connecting said ports.

1,537,555. VALVE ATTACHMENT. VINCENT LEO SCHENK, St. Joseph, Mo. Filed Feb. 25, 1924. Serial No. 695,035. 6 Claims. (Cl. 251—144.)

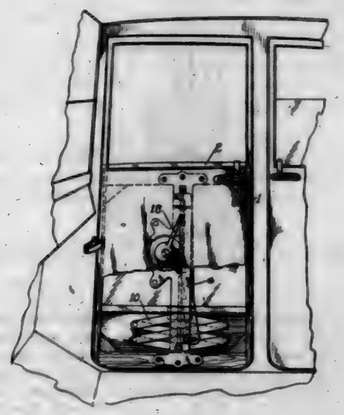
1. An attachment for use on a notched valve stem, said attachment comprising a body having a flange and a thrust wall, said flange and wall being adapted to receive and to transmit, respectively, the pressure of a

valve spring, and a rigid thrust member carried by said body and movable into position between said thrust wall and the notch-forming surfaces of the valve stem,



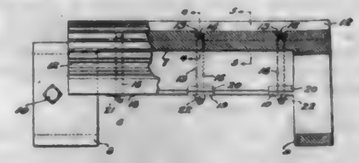
said thrust member having an irregular surface substantially conforming to the shape of said valve stem at the notched portion thereof.

1,537,556. WINDOW RAISER. ANDREW E. SCHMITT and PETER F. BUCK, Sandusky, Ohio. Filed Apr. 3, 1924. Serial No. 703,856. 2 Claims. (Cl. 268—4.)



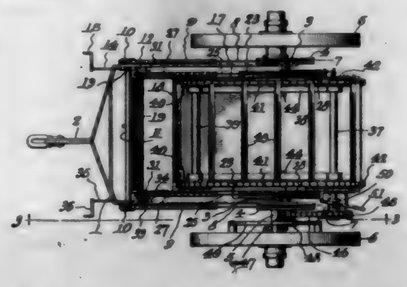
1. In a window-raising and lowering device, lazy-tongs connected to a fixed pivot pin forming one of the central pivot pins of the lazy-tongs, another central pivot pin of the lazy-tongs for connecting the window to the lazy-tongs, a cable connected to another of the central pivot pins, means for operating the cable to raise and lower the window and a dog having a plurality of notches for engaging one of the central pins of the lazy-tongs for securing the lazy-tongs in any one of the plurality of positions to which it may be moved by the said means.

1,537,557. INTERCHANGEABLE-TOOTH SEGMENT GEAR. FRANS KARL SCHNEIDER, Philadelphia, Pa. Filed Nov. 7, 1924. Serial No. 748,396. 6 Claims. (Cl. 74—28.)



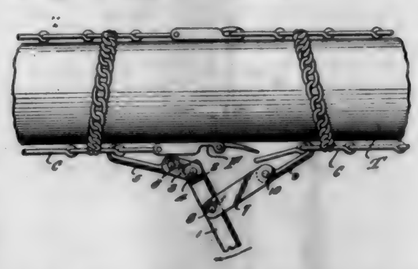
1. In a gear device, an arcuate body portion having a transversely extending channel; a series of teeth independent of said body portion and being arranged transversely to said channel; and a tie rod positioned within said channel and having holding engagement with said teeth.

1,537,558. EXCAVATOR. JESSE EMIL SCHULTZ, Albany, Wis., assignor of one-third to Ray Webb and one-third to Colonel Dixon, both of Albany, Wis. Filed Aug. 21, 1924. Serial No. 733,408. 9 Claims. (Cl. 37—4.)



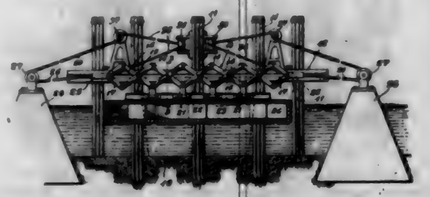
1. The combination with supporting wheels, disks eccentrically mounted on and secured to the spindles thereof, and an axle connecting the centers of the disks, of a tiltable scoop supported by the axle, mechanism for tilting the scoop relative to the axle, said mechanism including a yielding element, and means for rotating the disks relative to the spindles to raise and lower the axle.

1,537,559. DEVICE FOR APPLYING NONSKID CHAINS. WILLIAM F. STAGGERS, Mannington, and CHRIS SANDER, Jr., Wheeling, W. Va.; said Staggers assignor to said Sanders, jr. Filed Nov. 19, 1923. Serial No. 675,723. 3 Claims. (Cl. 254—78.)



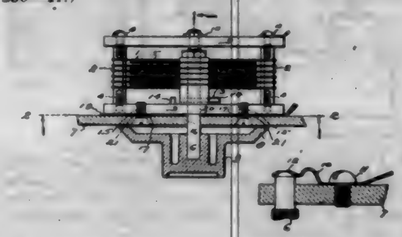
1. In a device of the class described, a handle having a reduced end, a pair of links pivotally mounted on said reduced end, a hook pivotally mounted on said links, a second pair of links pivotally mounted on the handle and spaced from the first pair of links, said second pair of links being of sufficient length to extend beyond and swing around the first pair of links, and a hook pivotally mounted on the second pair of links.

1,537,560. TIDE MOTOR. CHARLES F. STROMEIER, Van Nuys, Calif. Filed Sept. 16, 1924. Serial No. 738,038. 2 Claims. (Cl. 253—8.)



1. In a motor of the character described including a support, lazy tongs mounted on the support, a float connecting with the lazy tongs, power generating devices, and motion transmission means between the lazy tongs and the power generating devices and comprising cables connected with the ends of the lazy tongs, guide pulleys for said cables, and drums upon which the cables are wound, there being two cables connected to each end of the lazy tongs and two cables wound on each drum, each drum having its cables oppositely wound.

1,537,561. VARIABLE CONDENSER. FRANCIS E. STERN, West Hartford, and J CLAYTON RANDALL, Hartford, Conn., assignors to Stern & Company, Incorporated, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 16, 1922. Serial No. 582,124. 4 Claims. (Cl. 250—41.)



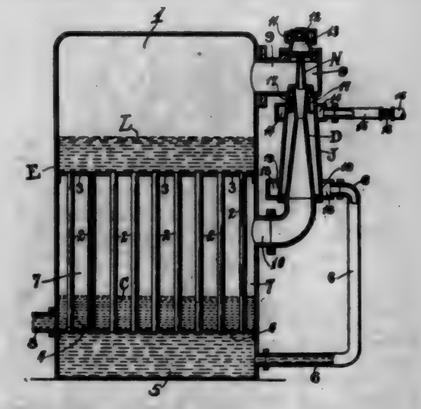
3. A variable condenser comprising a supporting frame having insulating front and back plates and metallic rails connecting said plates, a plurality of semi-circular metallic plates attached to and supported by the rails, a spindle supported by the insulating plates, means for rotating the spindle, a plurality of semi-circular metallic plates attached to the spindle and rotatively adjustable between the fixed plates, and a spring attached to the back plate, said spring having a perforated end bearing upon the rear end of the spindle for making electrical contact therewith and applying tension thereto.

1,537,562. HINGE. ROBERT STOCK, Sandusky, Ohio. Filed Sept. 24, 1919. Serial No. 325,988. 2 Claims. (Cl. 16—174.)



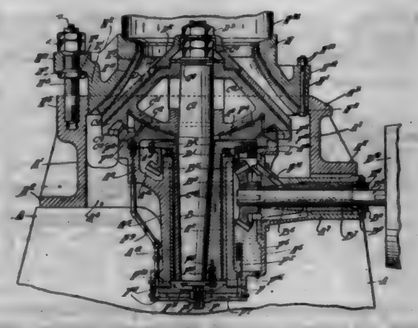
1. In a separable hinge, the combination with a knuckle member and a member having a pintle connected thereto by a neck, said knuckle member being provided with a slot for the reception and removal of said neck, of a laterally projecting stop on the knuckle member adapted to be engaged by the pintle member for limiting the movement of the members.

1,537,563. EVAPORATING SYSTEM. ROBERT SUCKER, Philadelphia, Pa., assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Mar. 17, 1921, Serial No. 453,111. Divided and this application filed June 9, 1923. Serial No. 644,443. 7 Claims. (Cl. 159—24.)



1. The method of evaporating liquid, which consists in expanding motive fluid, as steam, into jet formation, entraining thereby vapor evolved by said liquid, converting velocity of the mixture of motive fluid and vapor into pressure, and cooling said mixture while increasing in pressure.

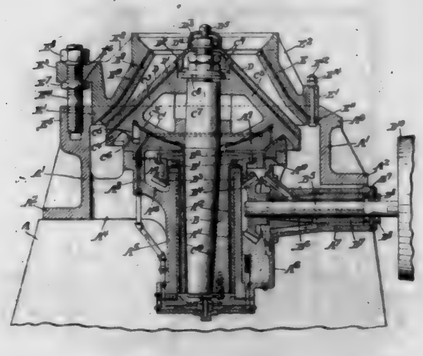
1,537,564. GYRATORY CONE CRUSHER. EDGAR B. SYMONS, Los Angeles, Calif., assignor to Symons Brothers Company, Milwaukee, Wis., a Corporation of South Dakota. Continuation of application Serial No. 662,636 and Serial No. 662,638, filed Sept. 14, 1923. This application filed Jan. 24, 1925. Serial No. 4,377. 29 Claims. (Cl. 83—10.)



1. In a gyratory crusher, a crushing cone of a higher angle than the angle of repose of the material delivered thereto, a downwardly and outwardly inclined concave overhanging said cone, the crushing space between said

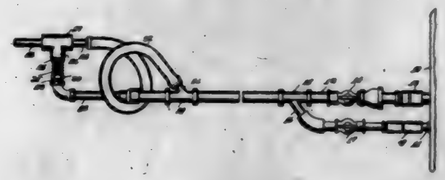
cone and concave having a cross section materially greater than that of the stream of material passing therethrough, and means for withdrawing the cone from the concave, after each crushing impact, at such high speed as to leave the material unsupported, so that it may drop freely by gravity away from the concave upon a lower portion of the cone.

1,537,565. PROCESS OF CRUSHING HARD MATERIALS. EDGAR B. SYMONS, Hollywood, Calif., assignor to Symons Brothers Company, Bakersfield, Calif., a Corporation of South Dakota. Filed May 15, 1924. Serial No. 713,397. 14 Claims. (Cl. 83—10.)



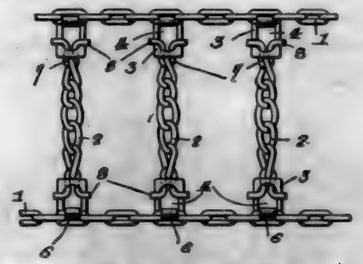
1. The process of crushing material, which consists in feeding such material by gravity between a pair of opposed crushing elements, and causing all particles of the material to fall by gravity therebetween toward the discharge opening, in successively interrupting the drop of such material and in supporting it upon and carrying it laterally upon one of said elements toward the opposed crushing element, while in contact with only the carrying element, in terminating such lateral excursion with a crushing impact, and causing all particles of the material to drop freely under gravity upon the first of said elements, after such crushing impacts, again conveying them laterally thereupon in an excursion terminating in the succeeding crushing impact, and discharging the finally reduced material by gravity from the crushing zone.

1,537,566. HIGH-PRESSURE PAINTING DEVICE. JESSE C. TEMPLE, Hattiesburg, Miss. Filed Dec. 28, 1923. Serial No. 683,238. 6 Claims. (Cl. 91—45.)



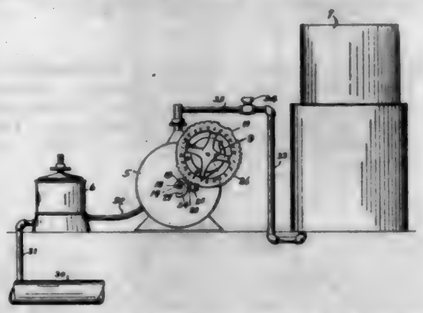
1. A painting device including a paint conduit, couplings at opposite ends of the conduit provided with branches, an air conduit disposed centrally within the paint conduit and having its ends fitted in the said branches, a discharge nozzle mounted on one end of the paint conduit, and a flexible conduit between the nozzle and the adjacent end of the air conduit.

1,537,567. ATTACHING DEVICE FOR ANTI-SKID CHAINS. JOSEPH EMILE THOMAS, Montreal, Quebec, Canada. Filed Mar. 25, 1924. Serial No. 701,789. 2 Claims. (Cl. 152—14.)



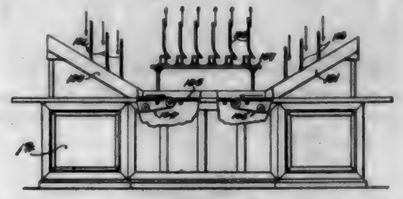
1. In combination with a tread chain, a pair of attaching plates each formed with an opening of sufficient size to permit the chain to slip therethrough, the end links of the chain being received in said openings and loosely attached to the plates.

1,537,568. PROPORTIONAL GAS-SAMPLE COLLECTOR. JOHN R. THOMPSON, Sr., and JOHN R. THOMPSON, Jr., Hanford, Calif. Filed June 13, 1923. Serial No. 645,214. 9 Claims. (Cl. 23—257.)



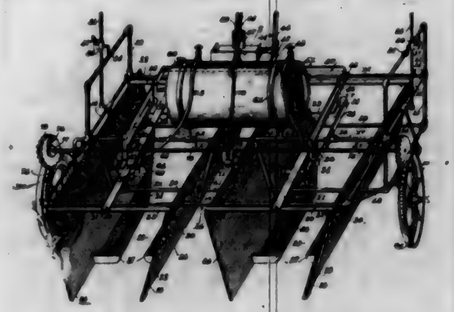
8. The method of accurately measuring and sampling the product from a gas main consisting in passing a portion of said product at a uniform pressure through a meter at a rate at all times bearing a fixed ratio to the rate of the product.

1,537,569. CENTRAL STATION FOR CARRIER-DISPATCH SYSTEMS. FREDERICK G. WHITTIER, Ipswich, Mass., and HAROLD S. THAYER, Tenafly, N. J., assignors to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 5, 1922. Serial No. 579,884. 27 Claims. (Cl. 186—14.)



25. A central station comprising an elongate guideway for carriers, operators' stations substantially midway of the length thereof, a bank of carrier delivery terminals within reach of said stations, and chutes for delivering carriers into opposite ends of said guideway.

1,537,570. INSECT EXTERMINATOR. DANIEL HOOK WOODWARD and JULIAN SIDNEY CHAMBERS, Atlanta, Ga. Filed June 22, 1923. Serial No. 647,098. 4 Claims. (Cl. 43—133.)



4. In an exterminator of the character described, a wheeled frame, an exterminating unit carried by the frame and free to partake of limited vertical or lateral movement with respect to said frame and a lifting device carried by the wheeled frame and engageable with the exterminating unit in such manner as to positively lift the same and yet leave the exterminating unit free to partake of vertical or lateral movement independent of the lifting device.

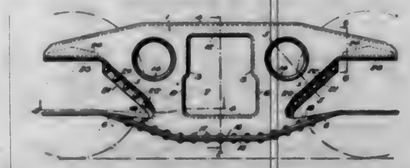
1,537,571. MORDANT DISAZODYESTUFFS. ERNST ZEHNTNER and ERNST BODMER, Basel, Switzerland, assignors to Society Durand & Huguenin S. A., Basel, Switzerland. Filed Nov. 26, 1923. Serial No. 677,121. 3 Claims. (Cl. 260—78.)

1. The herein described process for the manufacture of new mordant disazodyestuffs consisting in combining a tetrazoderivative of 4:4'-diamino-diaryl-2:'-disulfonic acid with such homologues of salicylic acid that have the alkyl groups in another position than in the ortho-position to the hydroxyl group.

1,537,572. BASE FOR ARTIFICIAL RESINS, WAXLIKE SUBSTANCES, AND LACQUERS. FRANZ ZERNIK, Berlin-Wilmersdorf, Germany. Filed Jan. 21, 1922. Serial No. 530,932. 4 Claims. (Cl. 134—26.)

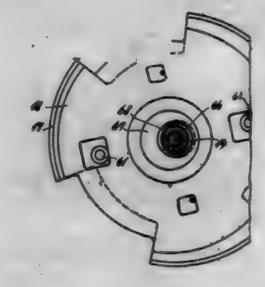
1. A product of manufacture suitable as a base for artificial resins, waxlike substances and lacquers comprising a mixture of light-colored naphthenates practically insoluble in water.

1,537,573. TRUCK SIDE FRAME. GUSTAF A. ANDERSON, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Oct. 17, 1922. Serial No. 595,097. 25 Claims. (Cl. 105—205.)



1. A car truck side frame involving a continuous metal sheet shaped to form an outer wall and an inner wall arranged in spaced relation, each of said walls having a plurality of truck column portions, a plurality of top arch bar portions, a plurality of bottom arch bar portions, and a plurality of pedestal tie bar portions; flanges formed integral with and projecting beyond said side walls at one side of the side frame, and means uniting said flanges.

1,537,574. CONTRIVANCE FOR CLEANING AND BONING FISH. RUDOLPH BAABER, Lubeck, Germany. Filed Jan. 5, 1922. Serial No. 527,257. 27 Claims. (Cl. 17—3.)



1. In a device for the purposes stated, a pair of separated discs with a passageway therebetween for the introduction of the fish, clamping levers mounted on and movable through one of the discs for gripping the tails of the fish, and knives located above and below the plane of the said discs beyond the peripheries thereof.

1,537,575. METHOD OF AND APPARATUS FOR APPLYING A SERVING TO A CORE. ADOLPH FRANCIS BANDUR, Berwyn, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1923. Serial No. 620,918. 50 Claims. (Cl. 173—13.)

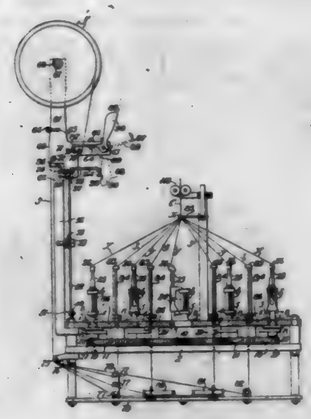


28. The method of applying loading material to a conductor which consists in maintaining the conductor at a temperature between approximately 1100° Fahrenheit and 1562° Fahrenheit while the loading material is being applied to the conductor.

41. The method of manufacturing a loaded submarine cable comprising a conductor, a heat treated loading material, and a filling material, which consists in applying the loading material to the conductor while maintaining the conductor at a temperature different from that of the loading material to provide a clearance between the loading material and conductor, to replace the strains on the loading material during the heat treatment thereof and provide a space for the filling material between the loading material and the conductor.

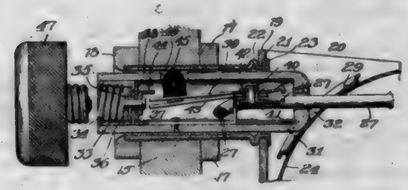
47. In an apparatus for applying a strand serving to a core, a rotatable serving head, a carrier for the serving material rotatable with the head in such manner that the serving material is served on the core, heating means, and means for subjecting the core to the heating means and passing it through the serving head.

1,537,576. STOP MOTION FOR BRAIDING MACHINES. ALFRED BABOLET, Wickford, R. I. Filed Oct. 4, 1923. Serial No. 666,479. 6 Claims. (Cl. 96—19.)



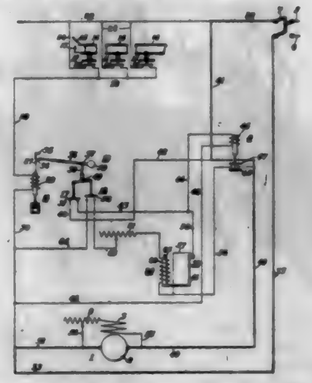
5. In a braiding machine, the combination with the braiding-mechanism comprising revolving bobbin-carriers carrying yarn-supplies, and means to traverse said carriers around the machine to interlace the yarns in a braid, of a standard projecting above the braiding-mechanism, a supply-spool for elastic strands supported on said standard, tension-means for the strands mounted on the standard, means for leading the strands downwardly beneath the braiding-mechanism, means for individually guiding the strands upwardly through the braiding-mechanism in position to be braided with the yarn strands, a series of drop-levers pivoted on the standard to adapt them to engage individually with the elastic strands at points adjacent the tension-means, stopping-mechanism for the braiding machine, and means actuated from the falling of a drop-lever to cause operation of the stopping-mechanism.

1,537,577. ELECTRICAL IGNITION DEVICE. JOHN BERG, Chicago, Ill., assignor to Metal Specialties Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1923. Serial No. 633,800. 15 Claims. (Cl. 219—32.)



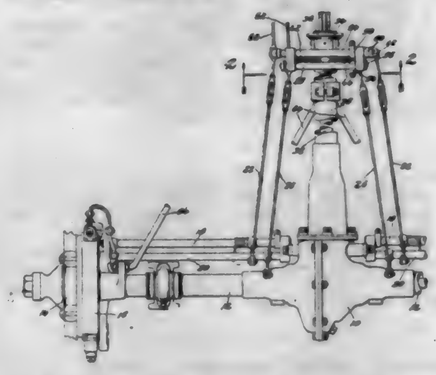
1. In a device of the character set forth, an insulation body having its front side provided with a chamber, and a resistance element assembly, mounted in said chamber, comprising a spiral of resistance wire, insulation disks at opposite sides of the plane of said spiral, an intervening ring between said disks, and a retainer equipped with means clampingly securing said disks and intervening ring together.

1,537,578. MOTOR-CONTROL SYSTEM. EDGAR M. BOUTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,499. 7 Claims. (Cl. 172—239.)



1. In a motor-control system, the combination with a motor, of means comprising a thermal relay for operating said motor for a predetermined period of time, and a time element device for rendering said relay inoperative for a predetermined period of time.

1,537,579. VEHICLE. FERDINAND A. BOWER and ENOS A. DE WATERS, Flint, Mich., assignors to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 15, 1923. Serial No. 625,394. 10 Claims. (Cl. 188—206.)



5. A bracket having a sleeve to embrace a propeller shaft housing, and two pairs of oppositely-extending arms each formed with bearings for a transverse brake-operating shaft, in combination with two shafts, the one shaft being longer than the other.

1,537,580. COMBINED SCRAPER AND DUMPING DEVICE. IRA E. BURKETT, Macon, Ga., assignor to Schofield-Burkett Construction Company, Macon, Ga., a Corporation of Georgia. Filed Sept. 11, 1922. Serial No. 587,411. 3 Claims. (Cl. 37—117.)

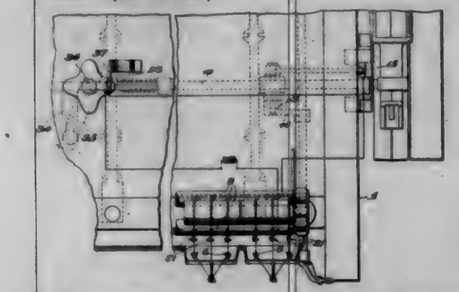
1. In a combined loading and dumping device, a scraper; pulling cables having respective ends attached to said scraper for drawing the latter forwardly and backwardly; a normally slack cable elevated above the surface of the ground and secured at one end to a fixture; means acting on said last named cable independently of said pulling cables for suspending the scraper therefrom, by

which the scraper will be lifted above the ground when the cable is drawn taut; a series of independently rotatable cable drums mounted upon a platform which is supported on wheels and movable transversely of the



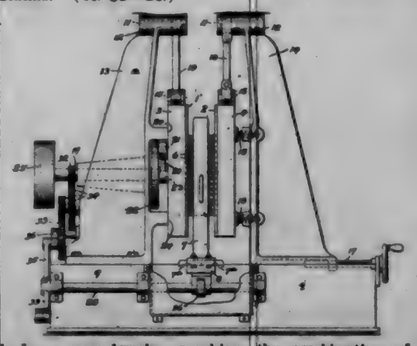
line of movement of said pulling cables; and a power device for selectively actuating the drums, each of said cables having their opposite ends wound upon a drum by which the respective cables are independently controlled.

1,537,581. ELECTRIC STOP MOTION. OBADIAH BUTLER, AMOS MORIN, and CHARLES J. LOWRY, Danielson, Conn. Filed Feb. 9, 1924. Serial No. 691,819. 7 Claims. (Cl. 118—4.)



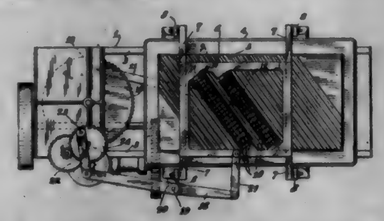
1. A stop motion mechanism including a longitudinally movable shipper, means urging it to inoperative position, a latch carried by the shipper, a keeper engageable by the latch to hold the shipper operative, a gravity operated tumbler for holding the keeper operative, an electromagnet having an armature normally arranged in the path of the tumbler for arresting the same, and means operable upon the breaking of a thread for closing a circuit through the magnet.

1,537,582. GEAR-LAPPING MACHINE. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 7, 1923. Serial No. 623,589. 12 Claims. (Cl. 51—26.)



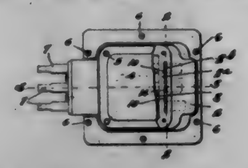
1. In a gear lapping machine, the combination of a pair of opposing racks, a support for rollably mounting the unlapped gear between the racks whereby the gear meshes with both racks and means for effecting relative movement of the racks and gear support in a direction lengthwise of the racks, substantially as and for the purpose described.

1,537,583. GEAR-LAPPING MACHINE. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 7, 1923. Serial No. 623,590. 11 Claims. (Cl. 51—26.)



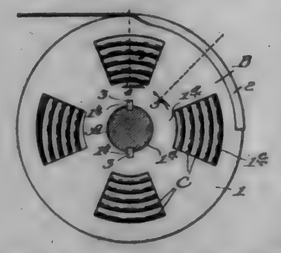
1. In a gear lapping machine, the combination of a rack, a gear carriage constructed to rollably mount an unlapped gear in mesh with the rack and means for effecting relative movement of the rack and the gear carriage in a direction lengthwise of the rack, the teeth of the rack being arranged at an inclined angle to the direction of such relative movement, substantially as and for the purpose described.

1,537,584. SHIFTING-ROD LOCK FOR TRANSMISSION GEARING. GEORGE C. CARHART, Syracuse, N. Y., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed June 15, 1923. Serial No. 645,565. 14 Claims. (Cl. 74—89.)



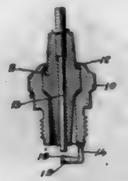
1. In a transmission gearing, the combination of a casing having a wall of substantially equal thickness throughout, said wall being exposed at one edge and formed with a slot like recess opening through such edge, a plurality of shifting rods movable through said wall and said slot like recess and locking means located in the recess and operable by any one of the rods during the shifting thereof from neutral to lock the other rod from shifting movement and a cover closing the open side of the recess.

1,537,585. SEWING-MACHINE-BELT PACKAGE AND METHOD OF MANUFACTURE. GUSTAV A. CARLSON, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 17, 1921. Serial No. 523,142. 6 Claims. (Cl. 206—59.)



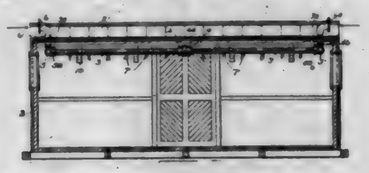
1. The method of packaging a sewing-machine belt which comprises winding the belt in a single layer on a shaft between two unconnected package-forming disks, then securing the outer margins of said disks together, and then removing the package from said shaft.

1,537,586. SELF-CLEANING SPARK PLUG. ALBERT CHAMPION, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Oct. 28, 1922. Serial No. 597,611. 2 Claims. (Cl. 123—169.)



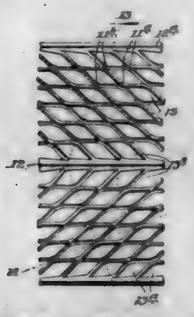
1. In a spark plug the combination with a central insulated electrode, of a grounded or shell electrode having an angularly bent portion with diverging sides extending throughout substantially the whole length of said portion, said angularly bent portion being located beneath the central electrode and arranged with its apex upward, so that such oil as may condense upon the same may run down and drip from the lower edges of the sides of said angularly bent portion.

1,537,587. MEANS FOR VENTILATING AND COOLING CARS. JOHN COLOMBO and CHARLES ANGELLO, Auburn, N. Y. Filed Oct. 22, 1924. Serial No. 745,184. 5 Claims. (Cl. 98—23.)



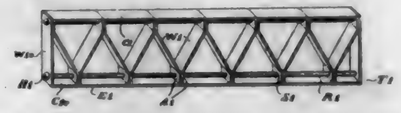
2. Means for ventilating and cooling freight and other cars, comprising parallel perforated aligning side conduits disposed inside of a car at the sides near its roof, means for coupling the aligning conduits at the opposite sides near the middle of the car, means for preventing communication between the aligning conduits, means for charging the conduits at one side of said couplings with air when the car is being moved in one direction, and means for charging the conduits at the other side of the couplings when the car is being moved in the opposite direction.

1,537,588. EXPANDED-METAL LATH. LEWIS E. CURTIS, Warren, Ohio, assignor to The Youngstown Pressed Steel Company, a Corporation of Ohio. Filed May 31, 1923. Serial No. 642,633. 6 Claims. (Cl. 72—717.)



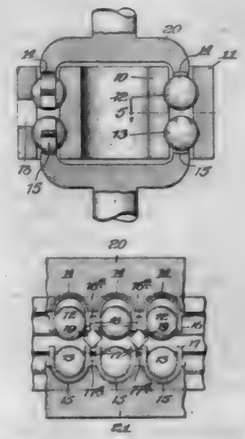
1. An expanded-metal lath having spaced longitudinal stay portions and intermediate deflected strands forming meshes having their median lines inclined at an angle to said stay portions and the bonds of said meshes being grooved.

1,537,589. STRIP AND ROD TRUSSED STRUCTURE. GEORGE HIVES DAWSON, Boston, Mass., and HURXTHAL FIELD FREASE, Canton, Ohio. Filed Oct. 27, 1924. Serial No. 746,068. 11 Claims. (Cl. 189—37.)



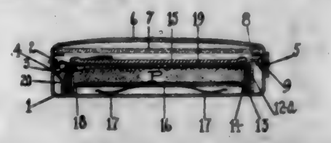
1. A trussed structure including spaced rows of chord members and connecting web members, feet on the members abutting each other at apexes, registered apertures in the feet, and tie rods extending through the registered apertures for locking and securing the truss members together.

1,537,590. METHOD OF ASSEMBLING BALL BEARINGS. JOHN DLESK, Jr., Chicago, Ill., assignor to Strom Ball Bearing Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1924. Serial No. 710,776. 5 Claims. (Cl. 29—84.)



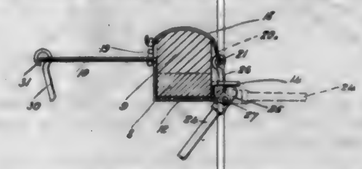
1. The method of assembling two row radial ball bearings consisting of placing the balls in the raceways, inserting retainers with bendable ears from opposite sides of said balls, placing spreaders between said retainers and in the paths of said ears, pressing said retainers and ears about said balls, and removing said spreaders.

1,537,591. VANITY CASE. CARROLL E. DODSON, Kansas City, Mo. Filed Apr. 24, 1924. Serial No. 708,728. 5 Claims. (Cl. 132—83.)



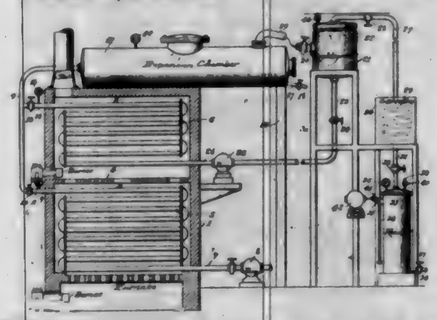
4. In a vanity case, comprising a bottom member, a lid member hinged thereto, a mirror in said lid, an intermediate powder container fitted therein, having a reticulated permeable screen closing its upper end, and a follower bottom comprising a metal disc with tongues cut opposite therein from near the outer edge of said disc and terminating near the center and formed at oblique angles therewith producing springs out of said disc to yieldingly advance said disc against the powder contents, the upper face of said disc covered with cloth-like material extending over the outer edge of said disc and adapted to snugly fit and brush the inside walls of said container and means for holding said powder container in interlocking engagement with said case.

1,537,592. DETACHABLE SPUR FOR WHEELS. ALEXANDER C. DU VALL, Oxford, Ohio. Filed Feb. 7, 1925. Serial No. 7,610. 6 Claims. (Cl. 152—2.)



1. An extension piece for a wheel, comprising a curved tread plate having a channel-shaped member on one side edge adapted to fit under a wheel rim between two spokes and provided with a projecting lug, an arm pivoted to the said plate and adapted to extend over the wheel rim, and a fastening lever pivotally connected with the free end portion of the said arm and provided with a cam-shaped head adapted to engage with the said lug and operating to clamp the tread plate to the wheel rim.

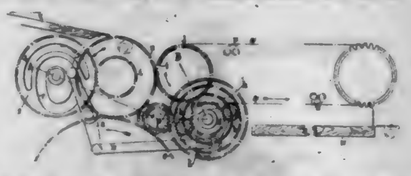
1,537,593. PROCESS FOR CRACKING OIL. GUSTAV EGLOFF, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Dec. 9, 1920. Serial No. 429,319. 5 Claims. (Cl. 196—58.)



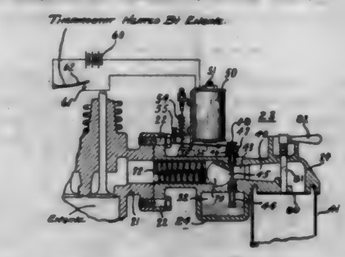
4. A process of oil conversion, consisting in maintaining a body of heated hydrocarbons in an enlarged zone where substantial vaporization occurs, in subjecting the vapors to reflux condensation to condense the heavier vapors, in passing the reflux condensate in an advancing stream through a heating zone where it is subjected to cracking conditions of temperature and pressure, in delivering the heated condensate to said enlarged zone and simultaneously heating an independent stream of charging oil for delivery to said enlarged zone to a temperature sufficient to cause a substantial vaporization thereof in said zone, and in introducing said heated charging oil to the enlarged zone.

1,537,594. DELIVERY MECHANISM FOR PRINTING MACHINES. THOMAS FRANK ELSWORTH, FRED WESLEY WRIGHT, and PERCY HARKER, Leeds, England, assignors of one-fourth to George Mann and Company, Limited, Leeds, York, England. Filed Sept. 14, 1923. Serial No. 662,756. 4 Claims. (Cl. 271—79.)

1. A printing machine, having in combination an impression cylinder and means for continuously rotating said cylinder at a substantially uniform speed; delivery chains receiving a sheet direct and a single gear train driving said chains throughout the working cycle, said train including a variable speed gear; together with means for operating said variable speed gear at an appropriate moment to increase the speed of said chains above the uniform peripheral speed of said impression cylinder, as set forth.

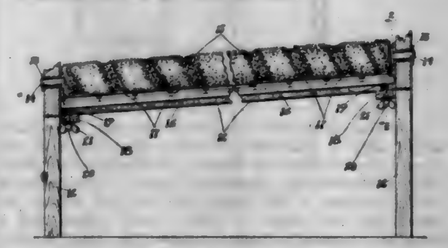


1,537,595. ENGINE. JOSEPH C. FEDERLE, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Feb. 24, 1923. Serial No. 621,097. 11 Claims. (Cl. 123—180.)



1. In a fuel control system for internal-combustion engines, the combination with means for controlling the fuel mixture proportions; of an electromagnet for actuating said means; a current source; a circuit in which said electromagnet and current source are included; and means for breaking said circuit after the engine has started, and has become heated to a pre-determined degree.

1,537,596. FRUIT-POLISHING MACHINE. CAROL FLOYD, Orlando, Fla. Filed Oct. 4, 1922. Serial No. 592,271. 5 Claims. (Cl. 91—37.)



1. A fruit polishing machine having a brush for acting on the fruit, and means for supporting blocks of paraffine in position to directly contact with the brush to be transferred to the fruit by said brush.

1,537,597. PROCESS FOR PRODUCING ACETONE AND BUTYL ALCOHOL. GEORGE W. FREIBERG, St. Louis, Mo. Filed July 17, 1924. Serial No. 726,574. 10 Claims. (Cl. 260—135.)

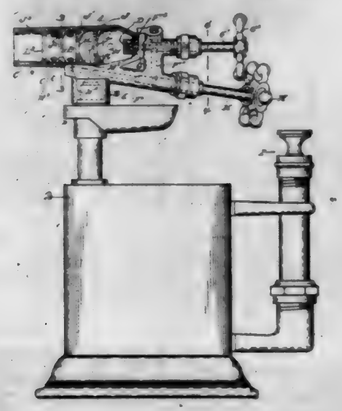
1. A process for producing acetone and butyl alcohol, characterized by fermenting carbohydrate material by means of bacteria which may be widely distributed in nature, are anaerobic bacilli with rounded ends, which form large resistant spores and which do not liquefy nutrient gelatine.

1,537,598. DECANTING APPARATUS. SIGMUND L. GOLDMAN, Chicago, Ill. Filed Oct. 19, 1921. Serial No. 508,755. 6 Claims. (Cl. 210—97.)



3. A sinker formed of an upper, tubular, section, and a lower section releasably connected therewith, the upper portion of said lower section being of openwork construction and at the spaces provided thereby communcitaing with the interior of said upper section.

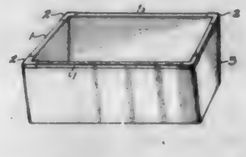
1,537,599. FLAME-STRAIGHTENING TORCH BURNER. OTTO J. GROEHN, Detroit, Mich., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 25, 1921. Serial No. 464,333. 1 Claim. (Cl. 158—32.)



In a burner for blow torches or the like, the combination with a combustion chamber having a fuel discharge nozzle at the rear portion, of an adjustable clean-out member for said discharge nozzle, a valve beneath and to one side of the nozzle and clean-out member for controlling the supply of fuel to said nozzle, and a plurality of parallel baffles disposed in said chamber and having ports formed therein to direct the flame toward the forward end of said chamber, said baffles being spaced from said discharge nozzle and said chamber having air inlet ports formed therein between said baffles.

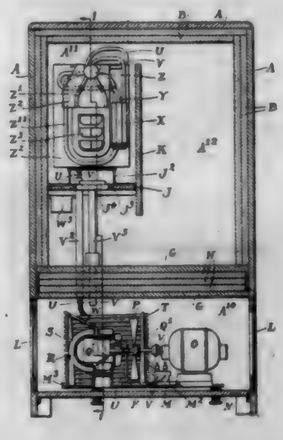
1,537,600. METALLIC RIM FOR MOLDED RECEPTACLES. ROBERT S. GROGAN, Chicago, Ill., assignor of one-half to Chicago Granitine Manufacturing Company and one-half to Charles Wesley Co., both of Chicago, Ill., and both companies organized under the laws of Illinois. Filed July 3, 1924. Serial No. 724,169. 1 Claim. (Cl. 220—73.)

The combination with a molded receptacle, of a polygonal rim comprising side sections, corner sections telescopically engaging the ends of said side sections and arranged to initially permit a relative adjustment of said side sections, and depending flanges extending along the edges of said sections and projecting inwardly so



as to be anchored in the material of the receptacle, the flanges of said corner sections embracing the flanges of said side sections.

1,537,601. ELECTRIC HOUSEHOLD REFRIGERATOR. MELVIN SOLOMON GROH, Toronto, Ontario, Canada, assignor to Joseph Mercadante, New York, N. Y. Filed Dec. 31, 1924. Serial No. 759,003. 4 Claims. (Cl. 62—116.)

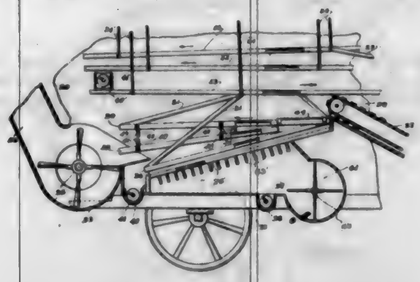


2. In an electric household refrigerator, a cooling chamber containing refrigerating cooling means including a container, tubes each end of which open into said container, and fins the sides of which are attached to said tubes, said tubes and fins transversely filling practically the entire side and bottom space of said cooling chamber.

3. In an electric household refrigerator, a condenser adapted to condense a refrigerating medium therein contained, a compressor adapted to convey said refrigerating medium under pressure into said condenser, a water-tight pan open at the top and supporting said condenser, the lower coils of the condenser being below the top of said pan, a cooling element in the refrigerator, means for collecting the condensed water from the cooling element, means for conveying said condensed water from the cooling element into the pan, and an air fan adapted to cool said condenser by means of air circulation and to evaporate the condensed water in said pan.

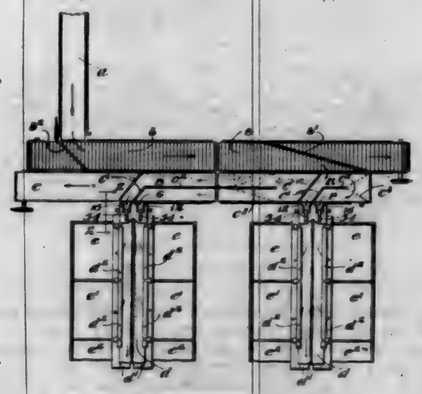
4. In an electric household refrigerator, a condensing coil, a pump and an air fan inside of said condensing coil, a member adapted to support said condensing coil, pump and air fan, and three machine spring supports sustaining said member, one of said machine spring supports being directly beneath the vertical alignment of the intake and discharge pipes of said pump.

1,537,602. HULLING MACHINE. JOHN A. HACKER, Plainfield, Ill. Filed Jan. 15, 1923. Serial No. 612,801. 6 Claims. (Cl. 130—2.)



1. A hulling machine including a separating table mounted for straight end shake, upper and lower perforated tray members pivotally depending from said separating tray in inclined relation thereto and operated thereby, the lower member having divergence at an angle with respect to the upper member, and a perforated intermediate tray pivotally depending from said upper member and adjustable between said upper and lower members.

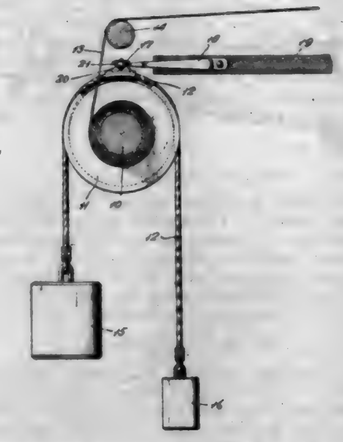
1,537,603. METHOD AND APPARATUS FOR MARKING GRADED CITROUS FRUIT. ARTHUR B. HALE, Tampa, Fla., assignor, by mesne assignments, to F. J. Sevigné Machine Company, Nashua, N. H., a Corporation of New Hampshire. Filed Nov. 26, 1924. Serial No. 752,388. 9 Claims. (Cl. 101—35.)



1. The method of identifying different sizes of fruit by uniform indications of the grades thereof, consisting in first sorting the fruit into different grades, then marking all of each grade uniformly, and then separating those of each grade into different sizes.

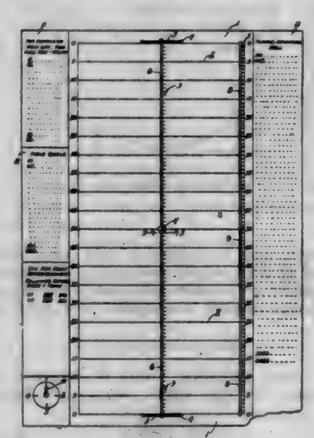
1,537,604. AUTOMATIC WEIGHT-ROPE-RELEASING ATTACHMENT FOR LOOMS. JAMES A. HANNIGAN, Kingston, Pa. Filed Aug. 11, 1924. Serial No. 731,334. 5 Claims. (Cl. 139—100.)

1. A loom attachment comprising, in combination with the warp roll or beam, a tensioned rope looped about said beam, a bumper secured to one of the loops of the rope and adapted to vibrate with the warp roll



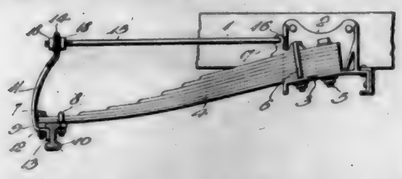
or beam during operation of the loom, and a fixed stop adapted to intermittently engage said bumper, due to vibratory movement of the warp roll or beam.

1,537,605. FOOTBALL GAME. ARTHUR T. HANSEN, Minneapolis, Minn. Filed June 29, 1923. Serial No. 648,457. 2 Claims. (Cl. 273—94.)



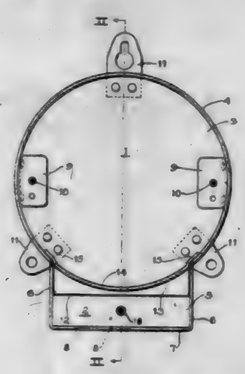
2. A game apparatus comprising a board having a rectangular figure thereon with equally spaced transverse lines, the length of the rectangular figure representing one hundred yards and each line representing five yard distances, a slot extending longitudinally in the board adjacent one edge thereof, short transverse lines adjacent said slot representing one yard distances, a plain marking strip of a length indicating ten yards slidable in said slot and having pointers at its end adapted to register with said short lines, said board having zones thereon at the sides of said rectangular figure, which zones contain tables of numerals, each having a corresponding legend, the number of numerals being different in each table, and a plurality of standard dice adapted to be used with said tables the number of dice to be used corresponding to the number of numerals in the table.

1,537,606. AXLE STABILIZER. CLIFTON E. HERMAN, Columbus, Ohio. Filed Apr. 22, 1924. Serial No. 708,280. 8 Claims. (Cl. 267—41.)



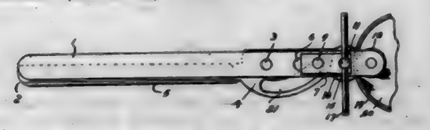
5. A stabilizing attachment for the front axle of an automobile carried by a cantilever spring, said attachment comprising a substantially vertical spring adapted at its lower end to be secured to the axle, a radius rod connected with the upper end of said spring, and means for pivotally mounting the rear end of said radius rod at the rear end of the vehicle spring.

1,537,607. METER CASING. CHARLES M. HOEFTMAN, Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 16, 1922. Serial No. 568,875. 9 Claims. (Cl. 171—34.)



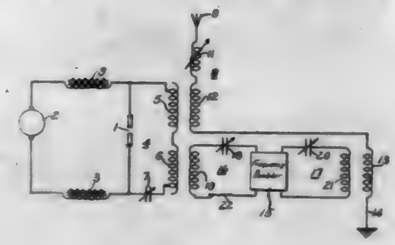
2. A meter case comprising a main body portion provided with an arcuate side wall and a separate terminal block supporting member provided with an arcuate flanged portion adapted to complete the wall of said body portion.

1,537,608. CAN OPENER. JOHN E. HOFFMAN, Chicago, Ill. Filed Oct. 22, 1924. Serial No. 745,128. 1 Claim. (Cl. 30—3.)



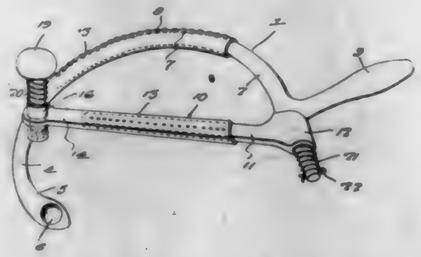
A can opener, comprising pivotally connected handle members, a cross head slidably mounted on the upper handle member, a vertically extending shaft revolubly mounted on said cross head, a roller pivotally mounted on the end of the upper handle member, a wheel mounted on said shaft in opposite relation to said roller and having a corrugated periphery adapted for frictionally engaging the outer side of a can to rotate the same, a disk cutter mounted on said shaft in opposite relation to said roller and adapted for severing the head of the can when the can is rotated by said wheel, and a cam device arranged on the lower handle member and movably connected to said cross head and adapted for impelling the cross head forward when the handle members are folding and impelling the same backward when the handle members are opening.

1,537,609. ARC TRANSMISSION SYSTEM. JOHN V. L. HOGAN, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 19, 1922. Serial No. 562,072. 21 Claims. (Cl. 250—17.)



1. The method of increasing the output of a non-sinusoidal generator which consists in multiplying the frequency of the main wave and feeding the multiplied frequency substantially in phase with a harmonic of the output of said generator.

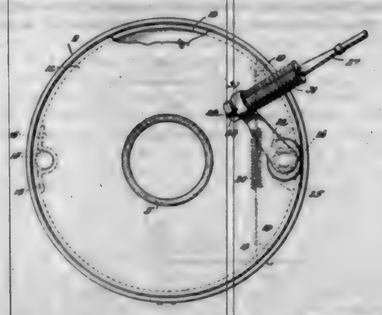
1,537,610. RIVETING DEVICE. GUSTAVUS HUBER, Nashville, Tenn. Filed May 14, 1924. Serial No. 713,275. 1 Claim. (Cl. 1—4.)



A riveting device comprising a curved lever having the forward end thereof provided with a cavity to form an anvil, the rear end thereof having a handle formed thereon, a second lever pivoted on the rear end of the curved lever, means for normally holding the pivoted lever in frictional engagement with the handle on the rear end of the curved lever, said levers comprising adjustable sections, the free end of the pivoted lever adapted to swing into cooperative relation with the anvil end of the curved lever, and a rivet receiving and upsetting means associated with the free end of the pivoted lever.

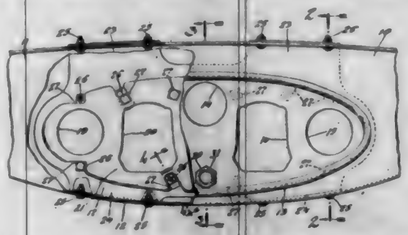
1,537,611. BRAKE. ROLAND V. HUTCHINSON, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 23, 1921. Serial No. 471,614. 4 Claims. (Cl. 188—78.)

1. In brake mechanism of the class described and in combination in a rear axle housing, a brake shoe supporting flange supported from and by said axle housing; a rock shaft supported within an opening in and adjacent the periphery of said supporting flange; and a brake



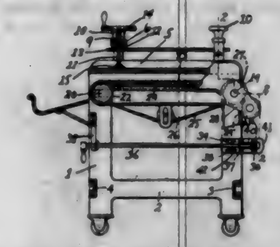
operating cam on one end of said rock shaft; the opening in said supporting flange being of such form and size that said cam may pass therethrough.

1,537,612. INSTRUMENT-ATTACHING DEVICE FOR MOTOR VEHICLES. ROBERT K. JACK, Lansing, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed May 21, 1924. Serial No. 714,883. 8 Claims. (Cl. 180—90.)



1. The combination with an instrument board having a plurality of openings into which the exposed ends of various indicating instrument casings may enter, of a plate arranged adjacent and overlying a portion of the rear side of said board, and having openings arranged so as to register with the openings in said board; means for fastening said plate to said instrument board; and holding means carried by said plate for holding instruments in place within said openings.

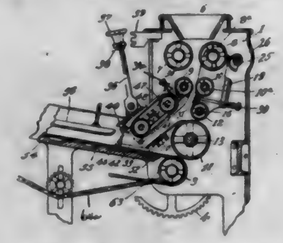
1,537,613. DOUGH-MOLDING MACHINE. FRANK X. LAUTERBUR, Sidney, Ohio. Filed June 14, 1921. Serial No. 477,863. 16 Claims. (Cl. 107—9.)



5. In a device of the character described, a pressure board, comprising a central member, and side members hinged to said central member, and means for supporting the central member, and means for supporting the central member and for retaining the side members in desired annular relation to the central member.

16. In combination with a dough molding machine having an adjustable gear at one end of its frame, an extension unit for acting upon the dough treated in the machine, mechanism in the extension unit, comprising gearing to drive the same, a planetary gear on the extension adapted to serve as the prime mover of said mechanism, and means for retaining the said planetary gear in a variety of positions and for securing the extension unit to the machine, so as to permit a meshing of said adjustable gear on the machine and the planetary gear on the unit.

1,537,614. DOUGH-MOLDING MACHINE. FRANK X. LAUTERBUR, Sidney, Ohio. Filed July 8, 1921. Serial No. 483,306. 7 Claims. (Cl. 107—9.)



1. In a dough molder, a pair of receiving rolls and a pair of sheet forming rolls adapted to take a sheet of dough from the receiving rolls, one of each pair of rolls being stationary and the other of each pair being adjustable to vary its space from its companion roll, a swinging frame having its center beneath the sheet forming roll, and both of said adjustable rolls mounted in said frame, and means for controlling the position of said frame, said frame and means constituting the adjusting devices for the said rolls, and said controlling means comprising a rotary member and a calibrated indicator to give readings of the nature of the adjustment.

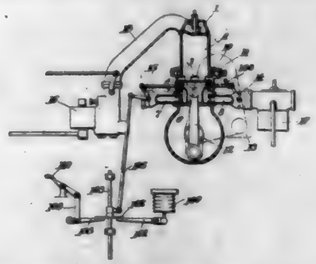
6. In combination with a device for forming a coil of dough, a trip belt mechanism therefor, comprising a frame hinged to swing in an arc for adjusting its position, an additional frame, said first mentioned frame having guideways into which the additional frame may be slid and locked in place, a pair of rolls and a belt in the additional frame, and planetary driving means for the said rolls.

1,537,615. FOOD HOLDER FOR BIRD CAGES. EDMOND CLARK MCCONNELL, Richmond, Calif. Filed Apr. 17, 1924. Serial No. 707,180. 4 Claims. (Cl. 119—18.)



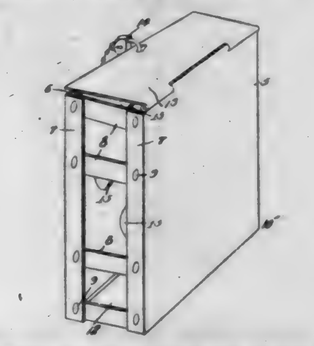
2. In a device of the class described, the combination with a compressible body member having means for engagement with the bars of a cage, jaws pivoted to the said member at an intermediate point of their length, said jaws extending forwardly from said member to provide gripping means for the article of food to be held, and extending rearwardly between the sides of said member so as to be opened when the body member is compressed, and spring means located at the rear of said jaws.

1,537,616. INTERNAL-COMBUSTION ENGINE. GRENVILLE MELLEN, Cranford, N. J. Filed Sept. 11, 1918. Serial No. 253,629. 7 Claims. (Cl. 123—119.)



1. The method of maintaining the power of internal combustion engines under varying atmospheric pressure which consists in suppying to the engine a normal charge appropriate for standard atmospheric pressure conditions and separately supplying in addition to the said normal working charge a supercharge under pressure, the quantity of such supercharge being automatically varied to correspond with the variations in atmospheric pressure.

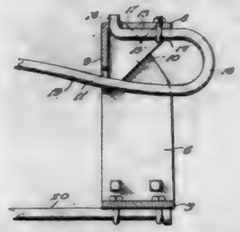
1,537,617. MILK-BOTTLE HOLDER. FERDINAND C. PANTHER, Detroit, Mich. Filed Nov. 21, 1921. Serial No. 516,753. 1 Claim. (Cl. 220—6.)



A container including a front wall, a rear wall and a bottom member, the front wall and rear wall being constructed of sheet metal and having their side edges bent inwardly to provide flanges, connecting bars for connecting the front and rear walls, said bars having pivotal connection with the flanges, each of said bars having a right angled end portion providing a flange, portions of the bars adjacent to the last mentioned flanges being cut away to provide curved edges, the flanges of the bars adapted to engage the front wall of the container to restrict movement of the front and rear wall with respect to each other, and a hinged closure having connection with the rear wall and adapted to be secured to the front wall to hold the front and rear walls in spaced relation.

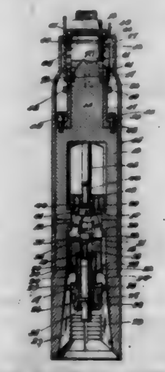
1,537,618. ATTACHMENT FOR BEAN HARVESTERS. PHILIP PROPER, Pigeon, Mich. Filed Feb. 12, 1924. Serial No. 692,336. 1 Claim. (Cl. 56—400.)

An attachment for bean harvesters comprising a rake head consisting of a top plate, a back plate and depending end plates at the ends of the top and back plates, trunnions projecting from the said end plates, means for rotatably supporting the trunnions, the back plate of the rake head having vertical slots therethrough and the top of the rake head being provided with series of openings in alinement with the respective slots, rake teeth having spring coils at their front ends and extending from the lower sides of the coils through the vertical slots in the back plate of the rake head and further having shanks extending rearwardly beneath the top plate of the rake head and provided with upstand-



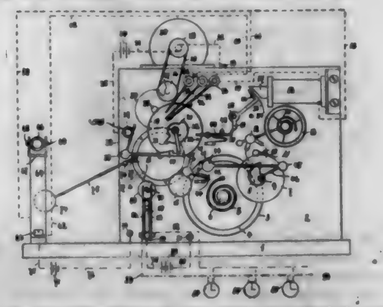
ing terminals fitting in the rear openings of the series of openings in the top of the rake head, and hook bolts engaged around the shanks immediately adjacent the coils and secured in the front openings of the series of openings in the top of the rake head.

1,537,619. FISHING TOOL. WILLIAM H. PUCKETT, Holdenville, Okla. Filed Mar. 5, 1924. Serial No. 697,089. 49 Claims. (Cl. 294—102.)



1. A fishing tool including a driving element, gripping jaws coupled therewith, means to coact with the jaws and shiftable by said element for closing the jaws, and means slidably coacting with said driving element and said jaw closing means coupling said element with said jaw closing means and supporting said jaws.

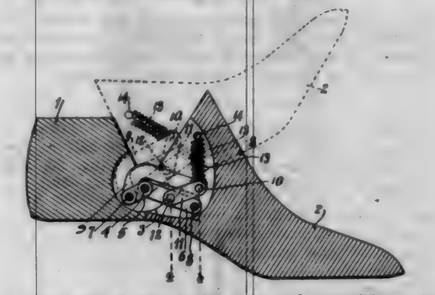
1,537,620. SYSTEM OF ELECTRIC CONTROL. FERDINAND SCHNEIDER, Fulda, Germany. Filed June 5, 1924. Serial No. 718,156. 5 Claims. (Cl. 58—24.)



1. In an apparatus of the kind described in combination, a master clock comprising a clockwork and means for automatically and periodically rewinding said clock-

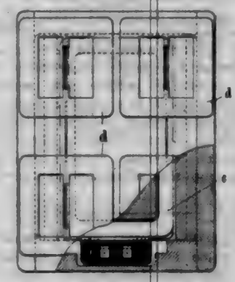
work, an electric circuit including a make and break contact and an electromagnet, the armature of which is attracted when said circuit is closed, locking means holding said armature in its attracted position and adapted to periodically release it, regulating means controlled by said clockwork and adapted to alternately bring said locking means into its locking and releasing positions, said armature when released engaging and arresting the escapement wheel of said clockwork, and when attracted imparting to said escapement wheel an initial swinging movement, said regulating means operating also said make and break contact, a receiver for electric wave impulses in the circuit of said electromagnet and adapted to be prepared for the reception of an impulse by closing said contact just before the impulse arrives to complete said circuit when the impulse does arrive, secondary clocks connected by electric circuits with said master clock, contacts in said connecting circuits and means operated by said clockwork for alternately closing and opening said contacts in said connecting circuits.

1,537,621. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924. Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,759. 2 Claims. (Cl. 12—136.)



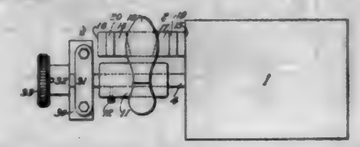
1. In a last of the divided type and comprising a toe part and a heel part, a bearing pin for said last parts, a link having one end attached to the heel part and its other end mounted on such bearing pin, a second link having one end attached to the toe part and its other end mounted on said bearing pin, and means for applying power to said links in a direction to shorten the distance between the points of attachment of said links to the last parts to thereby hold the last parts in extended position and in collapsed position.

1,537,622. METHOD OF FORMING SLIP-MEASURING GAUGES. JOHN EDWARD SEARS, Jr., and ARTHUR JOHN CHARLES BROOKES, Teddington, England; said Sears assignor to said Brookes. Filed Nov. 22, 1919. Serial No. 339,915. 5 Claims. (Cl. 51—278.)



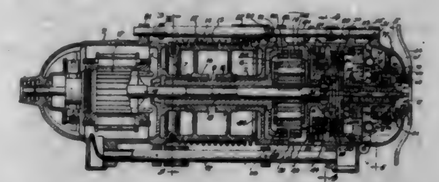
1. A method of producing slip gauges which consists in lapping simultaneously eight single gauges symmetrically arranged in pairs and held against movement during lapping upon an independent lapping chuck and interchanging the position of such gauges between successive lappings.

1,537,623. CONTROL APPARATUS. KARL A. SIMMON, Edgewood Park, and HARRY R. MEYER, Wilkinsburg, Pa., assignors to Westinghouse Electric Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 19, 1919. Serial No. 283,474. 5 Claims. (Cl. 74—81.)



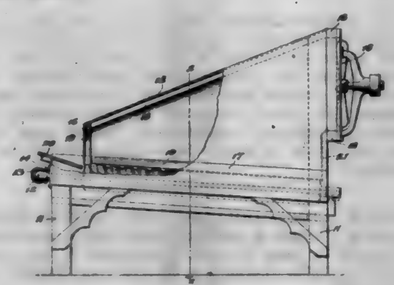
1. The combination with a member adapted to assume a plurality of definite positions when actuated by an operator's foot, of a plurality of foot-rests respectively shaped to conform to the angular positions of said member, whereby the operator may rest his foot without further actuating said member.

1,537,624. HOIST. WILLIAM E. SIMPSON, Highland Park, Mich. Filed Sept. 10, 1920. Serial No. 409,435. 8 Claims. (Cl. 188—187.)



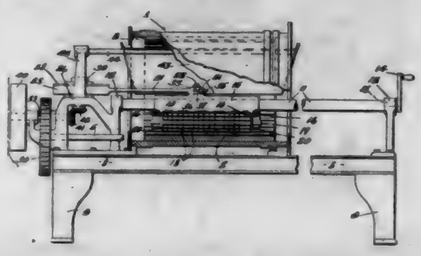
5. In a hoist, the combination with a housing of a driving shaft rotatably mounted therewithin, fixed and rotary brake elements coaxial with said driving shaft, a governor weight controlled by the rate of rotation of said driving shaft for variably forcing said fixed and rotary brake elements into frictional engagement with each other, and means on said governor weight for propelling an air current through said housing to cool said brake elements.

1,537,625. DRYING APPARATUS. BRONSON C. SKINNER, Dunedin, Fla., assignor to Skinner Machinery Company, Dunedin, Fla., a Corporation of Florida. Filed June 14, 1922. Serial No. 568,351. 5 Claims. (Cl. 34—1.)



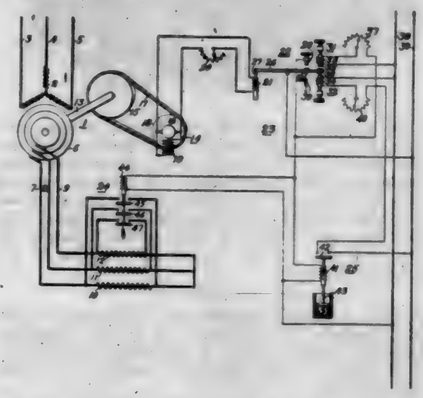
2. Fruit treating apparatus comprising the combination, with parallel sloping revolubie brush rolls arranged in pairs cooperating to provide fruit runways, means for delivering fruit to said runways, and means for forcing a current of a fluid drying medium along said runways counter current to the advancing fruit.

1,537,626. GEAR-LAPPING MACHINE. GEORGE W. SPONABLE, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 20, 1923. Serial No. 626,360. 16 Claims. (Cl. 51—26.)



1. In a gear lapping machine, the combination of a rack carriage comprising a drum, a gear carriage constructed to mount an unlapped gear and hold it in mesh with the rack, and means for effecting relative rotation of the drum and the gear carriage, substantially as and for the purpose described.

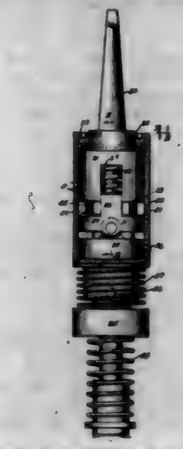
1,537,627. SPEED-REGULATOR SYSTEM. STEPHEN A. STAEGE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 9, 1919. Serial No. 288,709. 8 Claims. (Cl. 172—274.)



1. In a speed-regulator system for an induction motor having a wound rotor and a plurality of resistors located in the circuit of the rotor, a contact-making voltmeter, means for operating said contact-making voltmeter in accordance with the speed of the motor, means comprising a switch controlled by said voltmeter for quickly establishing a short-circuit around said resistors, and means for preventing a hunting action by the regulator.

1,537,628. TOOL HOLDING AND DRIVING MECHANISM. JAMES A. STREET, Detroit, Mich., assignor of one-half to Hugo C. Zeits, Clarksburg, W. Va. Filed Oct. 30, 1922. Serial No. 597,713. 12 Claims. (Cl. 10—135.)

3. In a device of the class described, in combination, a driving member, a driven tool-holding member, rollers carried by one of said members, a bearing plate for said rollers carried by said other member provided with depressions within which said rollers may engage to couple said members together to rotate as one piece, spring means holding said rollers under pressure to engage in said depressions yieldable under imposition of a determined resistance to rotation upon said tool-holding



member to permit disengagement of said rollers from said depressions, and means operable to prevent re-engagement of said rollers in said depressions during the continuance of rotation of said driving member.

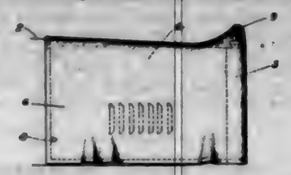
1,537,629. COUPLING MECHANISM. JAMES A. STREET, Detroit, Mich., assignor of one-half to Hugo C. Zeits, Clarksburg, W. Va. Filed Aug. 25, 1923. Serial No. 659,328. 9 Claims. (Cl. 192—56.)

1. In a device of the class described, a driving member, a driven member, a coupler plate having a diametrical recess carried by one member, a coupler device carried by the other member and receivable within said recess to couple said members together to rotate as one piece, a fillet receivable within said recess to fill the same to the exclusion of the coupler device, a fillet control member operable when rotated in one direction to engage the fillet to remove it from the recess to permit the coupler device to egage therein and adapted when rotated in the opposite direction to travel freely over the fillet.

1,537,630. MOTOR ROBE. HENRY TRAGLE, Minneapolis, Minn. Filed Dec. 27, 1921. Serial No. 525,245. 2 Claims. (Cl. 257—132.)

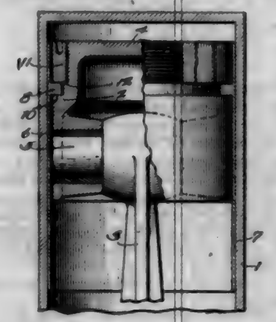
1. A motor robe folded along its middle line and closed at the forward end and top and adapted to be

placed over a hood and radiator, with its side portions hanging down loosely on each side of the hood, the rear



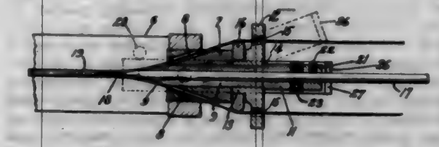
end of said cover having clips thereon for engaging the end of the hood, and the middle portion of said cover lying loosely on the hood.

1,537,631. PISTON. RALPH R. TRETOR, Hagerstown, Ind. Filed May 17, 1924. Serial No. 713,995. 1 Claim. (Cl. 74—108.)



The combination with a hollow member having a cylindrical bore; of a piston including a body member and a cylindrical sleeve of spring material in sliding fit with the hollow member within its bore, said sleeve having an internal shoulder formed at an intermediate part thereof seated upon the body member of the piston; a nut screwed upon the piston body member into close but non-clamping relation with said shoulder to retain said shoulder close to its seat, said sleeve being split lengthwise to make it transversely expansible and contractible with respect to said body member to maintain its fit with said hollow member.

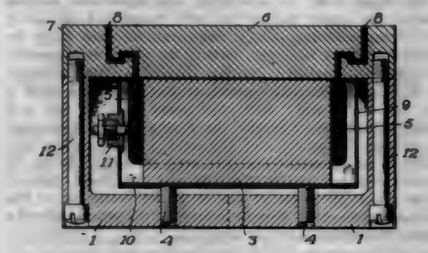
1,537,632. WIRE-COILING MACHINE. EDWARD TURGEON, Minneapolis, Minn., assignor of one-half to Salisbury & Satterlee Co., Minneapolis, Minn., a Corporation of Minnesota. Filed Apr. 20, 1923. Serial No. 633,478. 12 Claims. (Cl. 153—64.)



1. A coil-forming head having guides for strands and a core mounted in said head for rotation with the strands or coil thereon.

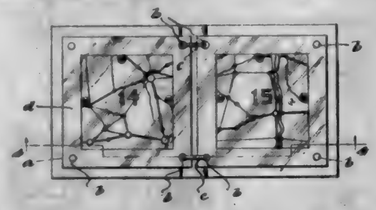
1,537,633. MAGNETIC CHUCK. OAKLEY S. WALKER and ISAAC FOWLER WILLIAMS, Worcester, Mass., assignors to O. S. Walker Co., Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1919. Serial No. 286,422. 5 Claims. (Cl. 175—367.)

1. In a magnetic chuck, a shell having a detachable face plate, a multiple core casting supporting a plurality of coils above the bottom of said shell, and a thin shield of non-magnetic material surrounding said casting to prevent the access of moisture to said coils from the joint



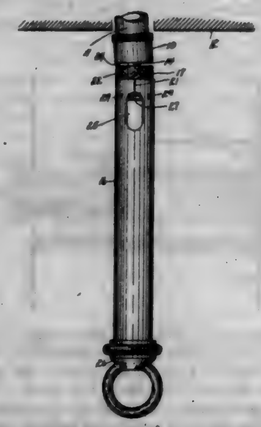
between said shell and said face plate, while permitting the passage of magnetic flux between said core and said face plate.

1,537,634. ROAD MAP. HAZEN E. WATSON, Detroit, Mich. Filed July 26, 1923. Serial No. 653,856. 9 Claims. (Cl. 35—6.)



9. In a road map, a loose leaf binder, a plurality of square map sections, and means for temporarily binding the said sections in the loose leaf binder in any one of four positions, whereby a proposed route may be laid out in the proper sequence.

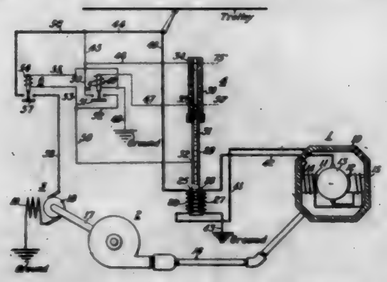
1,537,635. INSULATED SUSPENSION STEM FOR ELECTRIC-LIGHTING FIXTURES. ARTHUR W. WELLINGTON, Waterbury, Conn., assignor to Chase Companies, Inc., Waterbury, Conn., a Corporation. Filed Sept. 5, 1923. Serial No. 661,030. 1 Claim. (Cl. 240—85.)



In an insulated suspension-stem for electric lighting fixtures, the combination with an internally-threaded cap formed in its lower end with a stud-receiving opening, of a tubular stem provided at its upper end with an in-

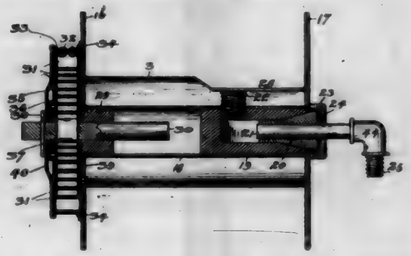
wardly-turned, annular flange, a non-rotatable insulating suspension-washer located within the upper end of the stem in position for the said flange to rest upon the edge of its upper face, an insulating spacing-washer located between the upper face of the said flange and the lower face of the said cap, and a non-rotatable stud made independent of the said cap, having its upper end inserted into the stud-receiving opening thereof, passing through the said washers, and formed at its lower end with a head for engagement with the lower face of the said suspension-washer, whereby the several parts mentioned are coupled together, and the said washers being proportioned in thickness and the stud in length to create a space between the said flange and the lower face of the said cap in excess of the combined thickness of the spacing-washer and flange, whereby the stem may be canted with respect to the cap.

1,537,636. ELECTRICAL SYSTEM. CHARLES C. WHITTAKER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1919. Serial No. 345,632. 7 Claims. (Cl. 175—294.)



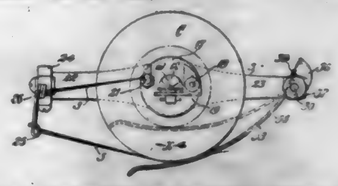
1. The combination with a translating device, of a thermal device adapted to be heated at the same rate as said translating device, means for artificially ventilating the translating device, and means governed by the thermal device for effecting the operation of said ventilating means between predetermined temperature limits of said translating device.

1,537,637. SELF-REELING HOSE REEL. CLIFFORD A. JARVIS, Rushville, Ind. Filed Sept. 21, 1923. Serial No. 664,107. 3 Claims. (Cl. 299—78.)



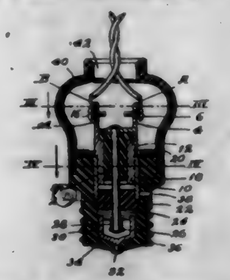
1. In a hose reel, a pair of parallel disks, a cylindrical drum uniting the disks, a pipe within the drum also uniting the disks, a plug in one end of the pipe having a bore in the axis of rotation of the drum, a fixed shaft in the bore upon which that end of the drum rotates, a spring coiled around the shaft and having its inner end fastened to the shaft, means for fastening the other end of the spring to the drum, a cylinder in the other end of the pipe having a bore in the axis of the drum, a lateral hose connection connecting with the inner end of the bore, said bore being expanded outwardly near the outer end which end projects through the adjacent disk and is screw-threaded, a correspondingly tapering plug seated in the expanded bore of the cylinder, a cap screwing on the threaded end of the cylinder and regulating the pressure of the plug in its seat, a gasket between the cap and plug, and a pipe connected with a water supply and the plug and discharging longitudinally through the plug.

1,537,638. TENSION DEVICE FOR WRAPPING AND TWISTING MACHINES. RUDOLPH H. JENNY, Rome, N. Y. Filed June 6, 1924. Serial No. 718,269. 7 Claims. (Cl. 117—43.)



1. In a tension-drive for wrapping, twisting and like machines, the combination of a revolving flier, means for supporting a cop or package of strand material to adapt it to rotate on the axis of the flier, tension-means pivoted on an axis parallel with the axis of the flier to adapt it to swing toward the axis of the cop, means acting on the tension-means to cause it to bear against the periphery of the cop, and a counter-weight acting on the tension-means to resist the action of centrifugal force tending to swing said tension-means outwardly away from the cop.

1,537,639. SWIVEL COUPLING. JOHN M. JOHNSON, Kansas City, Mo. Filed Dec. 28, 1923. Serial No. 683,157. 4 Claims. (Cl. 173—359.)

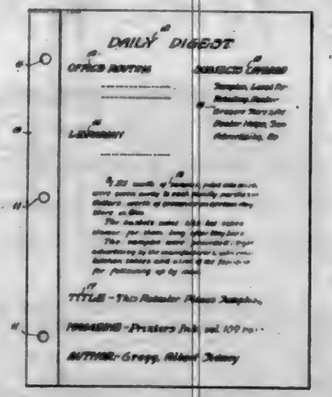


1. In a device of the character described an inner conductor adapted to be connected to a circuit wire, a tubular conductor insulated from but extending around the inner conductor and adapted to be connected to a circuit wire, a second tubular conductor rotatably connected to the first tubular conductor and abutting a shoulder thereon, an insulator separating said second tubular conductor and the inner conductor, a metallic plate mounted on the inner conductor and bearing against said insulator, and spring means embracing the inner conductor and bearing against said metallic plate to yieldably hold the second tubular conductor in engagement with the shoulder of the first conductor.

1,537,640. INFORMATION-DISPENSING SET. KARL G. KARSTEN, New York, N. Y. Filed Feb. 19, 1920, Serial No. 359,914. Renewed Oct. 22, 1924. 3 Claims. (Cl. 283—56.)

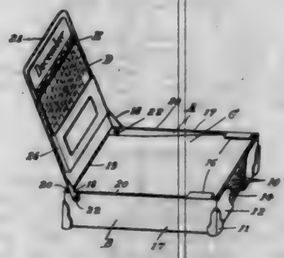
1. An article to be used in a method of distributing and filing information, including a temporary sheet or newspaper constituting a daily digest sheet designed to be

thrown away when read, said sheet provided with a writing thereon and which writing includes a text of the information distributed, a main classification title and a plurality of sub-titles, a plurality of permanent cards, one for each sub-title on the daily digest sheet, each card having certain writing thereon, being each a duplicate of the writing on every other card, said writings



including the text of the information on the daily digest sheet together with the main classification title, and which cards differ from each other in that each card has prominently displayed along the upper edge thereof the text of one of the sub-titles on the daily digest sheet, said cards and sheet adapted to be assembled for mailing as a unit.

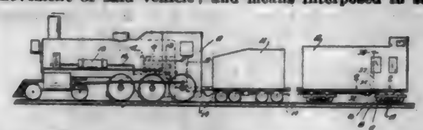
1,537,641. HANDY PAD. FRANK J. KRISTOFEK, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Dec. 20, 1920. Serial No. 431,984. 4 Claims. (Cl. 206—39.)



1. A handy pad comprising a receptacle adapted to collectively support a pad of memorandum sheets and a cover hingedly secured by integral depending ears to the sides of the same in a manner to cause the attached edge of said cover to engage the upper edge of said receptacle to form a shoulder for supporting said cover at an angle in relation to said receptacle when the same is open.

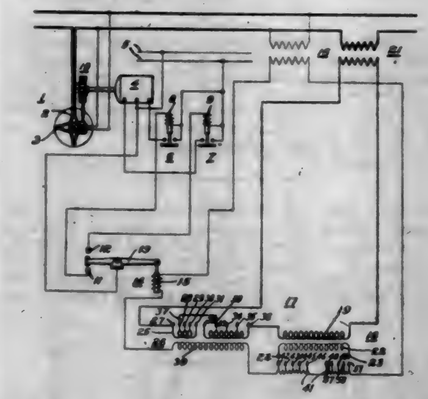
1,537,642. COMBINATION PNEUMATIC BRAKE AND PROPELLING MECHANISM. WILLIAM J. LAUFER, Chicago, Ill. Filed May 5, 1924. Serial No. 711,280. 7 Claims. (Cl. 105—64.)

1. In a train, the combination with the locomotive and its reservoir, a vehicle and an air-brake line extending from said reservoir to said vehicle; of means mounted on said vehicle and actuated by the air from said air-brake line for operating on a rotatable member of said vehicle selectively in reversed directions to modify the movement of said vehicle; and means interposed in said



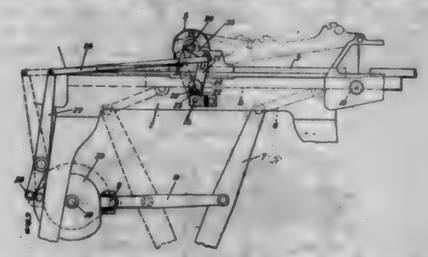
brake line and mounted in said locomotive for heating the air while passing from said reservoir to said means on the vehicle.

1,537,643. REGULATOR SYSTEM. EDWIN E. LEHR, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1921. Serial No. 501,144. 9 Claims. (Cl. 171—119.)



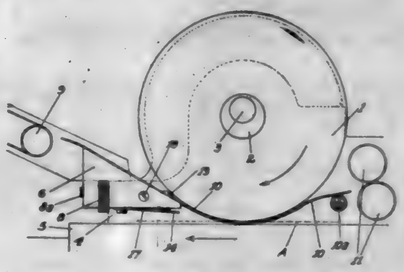
3. In a regulator system for a supply circuit, the combination with an induction regulator having control means therefor energized in accordance with the voltage of said circuit, of means adapted to affect the operation of said regulator to compensate for load variation upon said circuit comprising a plurality of transformers, one of which has a variable winding, a variable resistor and means for varying said transformer winding and said resistor.

1,537,644. PRINTING-RIBBON-WINDING MECHANISM FOR PRINTING PRESSES. CHARLES L. LOW, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed July 1, 1924. Serial No. 723,514. 13 Claims. (Cl. 101—281.)



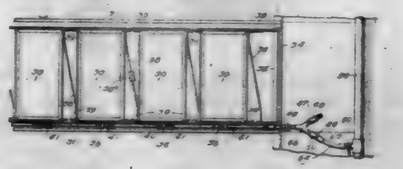
1. In a printing press having a reciprocating moving bed and longitudinally spaced ribbon spools mounted thereon, means for reciprocating the bed, pinions associated with the spools, and a single member for selectively engaging and advancing either at a time of the pinions with the reciprocation of the bed.

1,537,645. PAPER EJECTOR FOR PRINTING PRESSES. CHARLES L. LOW, Fresno, Calif., assignor to Lisenby Manufacturing Company, Fresno, Calif., a Corporation. Filed Aug. 26, 1924. Serial No. 734,214. 7 Claims. (Cl. 271—51.)



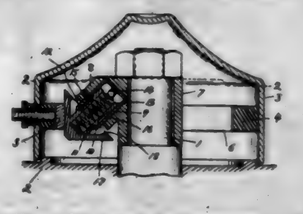
1. A sheet ejector for printing presses having a rotary printing cylinder, including a guide finger to receive a sheet after passing under the cylinder, a ball mounted in connection with the finger intermediate the ends thereof and projecting thereabove for engagement with the cylinder, and means for positively adjusting the extent to which said ball will project.

1,537,646. ART OF MANUFACTURING ICE. OTTO LUHR, Chicago, Ill., assignor to Luhr & Friedl, a Partnership composed of Otto Luhr and Herman Friedl, Chicago, Ill. Original application filed July 11, 1921, Serial No. 483,938. Divided and this application filed Sept. 20, 1924. Serial No. 738,807. 8 Claims. (Cl. 62—172.)



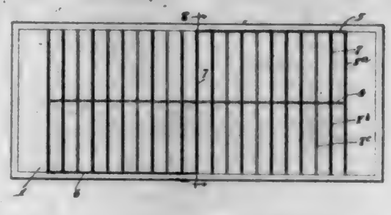
7. The method of manufacturing ice which consists in charging water into the can in which ice is to be formed, freezing the water therein, and thereafter dumping the ice cake from the can and recharging the can with water to be frozen to form another cake therein, and continuously supplying air under pressure to the interior of said can during all of said operations.

1,537,647. TIMER. ALBERTUS W. MCCALMONT and FRANK BRISCOE, Pontiac, Mich.; said McCalmont assignor to said Briscoe. Filed May 21, 1923. Serial No. 640,537. 7 Claims. (Cl. 200—26.)



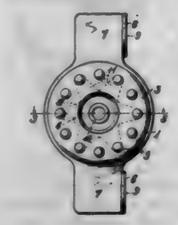
3. In a timer for internal combustion engines, the combination with a ring having alternate segments of insulating and conducting material, of a concentric rotatable shaft, an arm secured to said shaft, a member rotatable about an axis transverse to said shaft and at an angle to the plane of said ring, a spring for yieldingly holding said member in contact with said ring, and a ball between one end of said spring and said arm to allow free rotation of said spring with said member.

1,537,648. GAME APPARATUS. CYRUS D. MCCARRON, Los Angeles, Calif. Filed June 7, 1923. Serial No. 643,896. 3 Claims. (Cl. 273—94.)



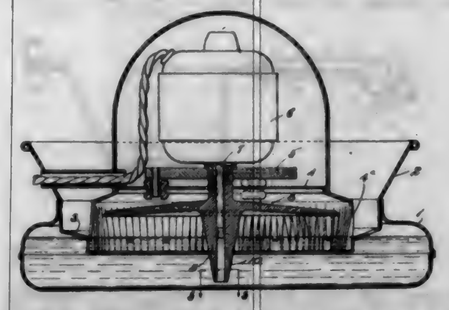
2. In a game apparatus for playing "foot ball", a board representing a foot-ball field and having a plurality of transverse divisions representing 5-yard lines, said board having a row of pin-holes on the field extending longitudinally thereon, a pin representing the "foot ball" and constructed so as to be removably mounted in any one of the pin-holes, a second row of pin-holes extending along one edge of the board from one end and terminating at the middle of the board, a marker corresponding to the last named row of holes and constructed to be removably mounted in the holes to indicate yards to be gained by the player at the adjacent end of the board, who has the "ball" in play, a third row of pin-holes located on the opposite edge of the board and extending from the opposite end and terminating at the middle of the board, a marker corresponding to the last named row of pin-holes and constructed to be removably mounted in the holes to indicate yards to be gained by the player at that end of the board when he has the "ball" in play.

1,537,649. HINGE. JAMES MCGLASHAN, York, Pa., and CARL ROBERT SWENSON, Indianapolis, Ind., assignors to Martin-Parry Corporation, York, Pa., a Corporation of Delaware. Filed June 13, 1924. Serial No. 719,878. 11 Claims. (Cl. 16—140.)



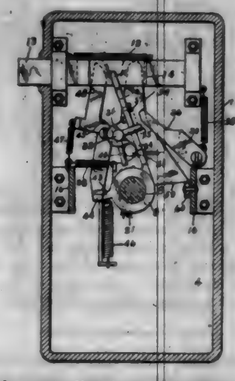
9. A hinge comprising a pair of hinge members composed of metal stampings having dished face portions and an attaching portion extending from each face portion at opposite sides thereof, separated sockets in each dished face portion disposed in a circular row, a friction member between said face portions, spring arms projecting alternately on opposite sides of said friction member, rounded protuberances projecting from said spring arms on the sides thereof near the outer ends of said arms adapted to enter said sockets in said face portions, and a pivot element uniting said hinge members and serving to hold said spring arms under tension.

1,537,650. HUMIDIFIER. BERTRAM M. MILLS, Pawtucket, R. I. Filed Mar. 13, 1924. Serial No. 698,884. 6 Claims. (Cl. 261—91.)



1. A portable humidifier comprising a fluid receptacle, an atomizing element, means for feeding fluid from the receptacle to the atomizing element, means for rotating the atomizing element, and means tending to vary the resistance of the atomizing element to rotation in inverse ratio to the height of the water level in the container.

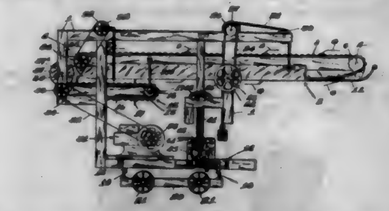
1,537,651. COIN-CONTROLLED LOCK. DONALD C. MORGAN, Indianapolis, Ind., assignor to American Sanitary Lock Corporation, Indianapolis, Ind., a Corporation of Indiana. Filed June 17, 1922. Serial No. 569,039. 11 Claims. (Cl. 194—65.)



1. In a coin controlled lock, a latching ward, a tumbler for engaging and operating said ward, normally operative means for preventing the operation of said tumbler, means carried by the tumbler and relatively movable thereon for temporarily supporting a coin in operative position on said tumbler to render said first mentioned means inoperative, means for normally retaining the supporting means in position to support a coin, and means for causing movement of the coin support on the tumbler for releasing the coin when the tumbler operates the ward.

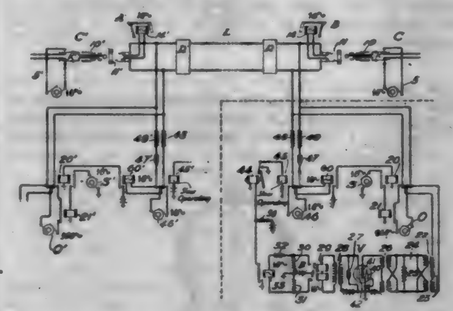
1,537,652. MANURE-LOADING MACHINE. MORRIS H. MULKIN, Syracuse, N. Y. Filed Nov. 28, 1919. Serial No. 341,123. 1 Claim. (Cl. 198—8.)

In a loading machine, a main frame, a conveyor having an endless belt and comprising a frame pivoted to the main frame and extending in a general horizontal direction and being movable about its pivot into different inclinations out of the horizontal, a second conveyor extending under the pivoted end of the first conveyor comprising a frame pivoted to the main frame, the frame of the second conveyor being connected to the frame of the first conveyor to move in parallelism therewith during pivotal movement of the first conveyor, means for elevating and lowering the free end of the



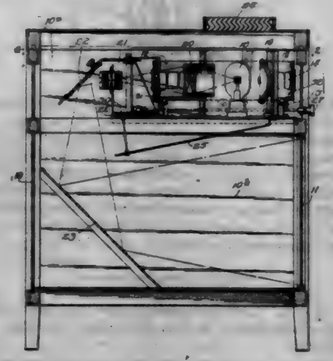
first conveyor, and means for actuating the conveyors whereby their opposing sides run in the same direction, substantially as and for the purpose described.

1,537,653. SIGNALING SYSTEM. PAUL B. MURPHY, Nyack, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 10, 1921. Serial No. 514,203. 17 Claims. (Cl. 179—43.)



4. The method of signaling which comprises modifying a single frequency essential in speech at a lower frequency rate, transmitting the modified current, rectifying the modified current, and translating the rectified current into a signal.

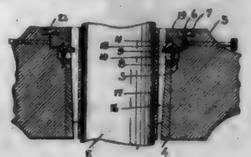
1,537,654. PROJECTING APPARATUS. CHARLES A. NASH, Chicago, Ill. Filed Jan. 2, 1923. Serial No. 610,318. 9 Claims. (Cl. 88—27.)



1. In a device of the character described, a flexible cylindrical slide carrier rotatably mounted, and a roller immovably mounted with respect to the slide carrier and in contact with its inner side at a point close to the slide

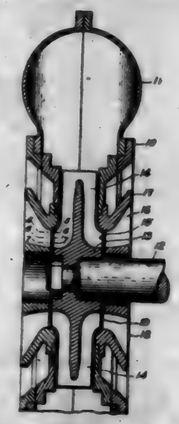
in display position, the periphery of said roller where in contact with the slide carrier lying outside of the normal circular shape of said slide carrier, whereby said slide carrier where in contact with said roller is pressed slightly out of its normal cylindrical shape.

1,537,655. ADJUSTABLE BEARING. FRANK BRICKIE, San Francisco, Calif. Filed Dec. 18, 1923. Serial No. 681,400. 4 Claims. (Cl. 64—55.)



1. An adjustable bearing assembly comprising bearing brasses and a wedge shaped bushing, a plurality of wedge blocks mounted between the brasses and bushing and movable in a direction defined by their longitudinal axes, a plurality of rotatable wedging members formed with interengaging teeth and disposed in a plane at right angles to the blocks and operable thereupon to move the blocks whereby to adjust the position of the same between the brasses and bushing for the purpose defined.

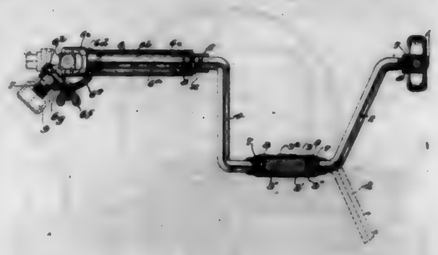
1,537,656. CENTRIFUGAL COMPRESSOR. ALFRED A. BROOKS, Wellsville, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 16, 1922. Serial No. 561,397. 3 Claims. (Cl. 230—11.)



1. The combination with a centrifugal compressor having an impeller which has an axially facing inlet at its central portion and a peripheral discharge, of stationary guide vanes for directing fluid to the inlet, said vanes being twisted to provide helicoidal surfaces such that the resultant relative velocities between the absolute velocity of the fluid at the exit edges of the vanes and the velocities at the entrance edges of the eye of the impeller are substantially axial.

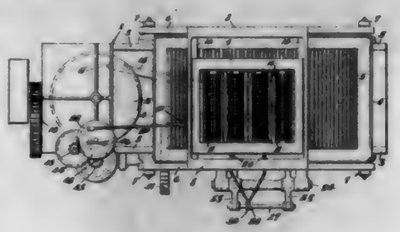
1,537,657. COMBINATION TOOL. LAWRENCE A. RUBCH, Jamestown, N. Y. Filed Dec. 7, 1922. Serial No. 605,457. 3 Claims. (Cl. 81—177.)

1. A tool of the class described comprising a detachable shank section provided with an angular male end, a handle rotatably mounted upon the other end of said section, a coupling section having sockets at its opposite ends into either of which said male end is interchangeably disposed, a second shank section provided with an angular male end to fit the sockets of the coupling section, a grip piece rotatably mounted upon said coupling



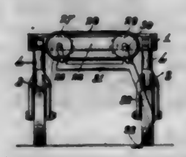
section, and a tool carrier constructed to be detachably interlocked with one end of said second shank section or with an end of the coupling section.

1,537,658. GEAR-LAPPING MACHINE. GEORGE C. CARHART, Syracuse, N. Y., assignor to Brown-Lipe Gear Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 2, 1923. Serial No. 622,407. 13 Claims. (Cl. 51—26.)



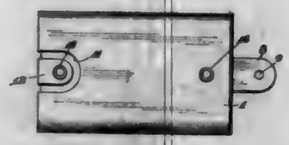
1. In a gear lapping machine, the combination of a rack, a gear carriage constructed to rollably mount a gear blank and hold it in mesh with the rack, and means for effecting relative movement of the rack and carriage in directions at an angle to the axis of the blank substantially as and for the purpose described.

1,537,659. BLOCKER FOR GROWING VEGETATION. STEPHEN DONNER, Toledo, Ohio, assignor of one-half to John M. Gould, Hastings, Mich. Filed Apr. 20, 1922. Serial No. 555,787. 5 Claims. (Cl. 97—18.)



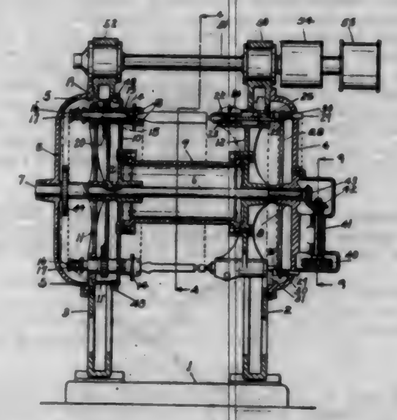
1. In vegetation cutting apparatus, a cutting instrument comprising a channel bar pitman having perforated ears adapted to engage wrist pins of actuating cranks, each of the ears being formed with a slot extending from its perforation to its exterior for enabling application and removal of the ears to and from the wrist pins, blocks detachably connected to and within the channel of the pitman for closing said slots, and cutting means carried by the pitman.

1,537,660. ELECTRICAL CONDENSER. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser and Radio Corporation, a Corporation of Delaware. Filed Jan. 31, 1924. Serial No. 689,754. 8 Claims. (Cl. 250—41.)



1. A condenser comprising a stack, a flattened tubular casing enclosing the stack, the stack comprising conductive elements, the casing having a recess at one end, a clip secured to the stack and located within said recess, said clip being connected to part of said conductive elements, and a terminal for the remainder of the conductive elements.

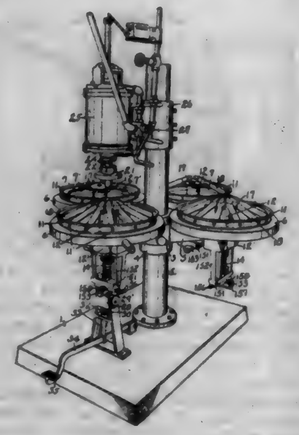
1,537,661. AUTOMATIC SPOKE-TURNING MACHINE. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921 Serial No. 505,241. 10 Claims. (Cl. 142—5.)



1. The combination with a multiple spindle spoke lathe, of chucks for the spindles thereof comprising opposite and transversely disposed rollers, spring means for pressing the tail centers against the billets, a cam for withdrawing the same and releasing the tail centers for automatically spearing the ends of the spokes, a rotary cutter for rough cutting the spokes as they are swung past the same, dado saws carried by the said cutter between the blades for forming the tenon end of the spoke, a finishing cutter head with a large number of cutters for giving the spoke a finishing cut, and a sander belt disposed on suitably conformed rolls corresponding to the spoke for sanding the same, all coacting as specified.

1,537,662. WHEEL-MANUFACTURING MACHINE. HENRY FLICK, Jackson, Mich., assignor to Hayes Wheel Company, Jackson, Mich. Filed Oct. 4, 1921. Serial No. 505,244. 7 Claims. (Cl. 157—1.)

1. A machine for assembling wheels comprising a turntable with a plurality of arms, a circular table carried by each arm, a depressible central locating ring for receiving an expanded felly outside thereof and provided with spoke notches to receive spokes, a depressible plunger center with radial arms for receiving the spokes, a plunger with tapered plug for engaging the inner

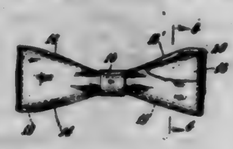


ends of the spokes and with a flange for pressing the same to position, means for actuating the plunger, and means for locating the tables successively under the plunger, coacting as specified.

1,537,663. PROCESS OF PRODUCING DECORATIVE EFFECTS ON GLASS. WILLIAM FOX, Detroit, Mich. Filed June 13, 1924. Serial No. 719,743. 2 Claims. (Cl. 91—68.)

1. A process of producing decorative effects on glass comprising applying drops of paint of various colors on the reverse side of dry clean glass and applying air thereto from varying angles.

1,537,664. BOW TIE. LOUIS FRIEDMAN, New York, N. Y., assignor to Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Filed Sept. 4, 1923. Serial No. 660,709. 3 Claims. (Cl. 2—154.)

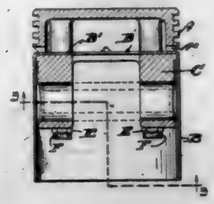


1. A bow tie comprising a single length of material having the ends thereof turned back over the intermediate portion, rows of stitching securing the said end and intermediate portions together adjacent their edges, and pockets formed between the end and intermediate portions, said rows of stitching being omitted at certain points along the top edge of the tie to form the mouths of the said pockets.

1,537,665. PISTON. FREDERICK H. FRUB, Detroit, Mich. Filed Aug. 28, 1924. Serial No. 734,585. 2 Claims. (Cl. 74—108.)

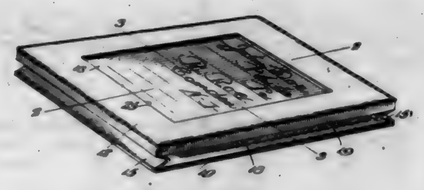
1. A piston comprising a head portion of relatively light metal; a skirt adapted to closely fit the cylinder wall having an inwardly directed flange overlapping the inner end of the head; a boss-plate fitting supported within the skirt having a flange overlaying the flange

of the skirt and co-operating with the end of the piston head to grip the flange of the skirt and also to serve as an oil baffle plate, the downwardly directed portion of said boss-plate fitting in which the wrist pin is



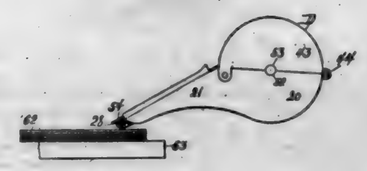
mounted being in spaced relation to the wall of the skirt, and a plurality of studs connecting the head with the boss-plate fitting and extending through the flange of the skirt, whereby the flange of said skirt is gripped between the boss-plate fitting and the piston head.

1,537,666. LOOSE-LEAF HOLDER. JAMES L. GARFIELD, Drexel Hill, Pa. Filed Feb. 12, 1925. Serial No. 8,619. 3 Claims. (Cl. 129—35.)



1. A loose leaf holder comprising a rigid base, a cover-plate having a central, rectangular opening, a flexible and expansible member connecting three sides of said base and cover-plate, the fourth side being open, and a stack of loose leaves between said base and cover-plate, said cover-plate being relatively heavy so that the weight thereof maintains said stack of loose leaves in position for the opening in said cover plate.

1,537,667. STAMP AFFIXER. ASHER GOLDEN and ELLIS M. POTTER, New York, N. Y. Filed Apr. 18, 1922. Serial No. 552,091. 2 Claims. (Cl. 216—33.)



1. In an affixer of the character described the combination of a compartment, a cover having an opening in one of its walls hinged to a wall of the compartment, a pin for the roll of a strip of material journaled in the side walls of the compartment and cover, a guide plate extending from the compartment, guide flanges over the guide plate, a reservoir for a fluid below the guide plate and outside of the said compartment, and a pocket extending into the reservoir, said pocket having openings leading into the reservoir and a moistening pad detachably supported in the pocket.

1,537,668. ELECTRIC DETONATOR FOR USE UNDER HIGH PRESSURES. HARRY L. GRANT, Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed Dec. 24, 1924. Serial No. 757,847. 4 Claims. (Cl. 102—7.)



1. In a device of the character described the combination with a casing carrying an explosive charge and detonating cap of a pressure resisting closure for said casing having current conducting means passing therethrough, said current conducting means being sealed into said closure by a dielectric body consisting of a powdered material compressed therein under extremely high pressure, said casing being provided with an internal, substantially horizontally disposed grooved portion, into which some of said material is forced, to thereby interlock the dielectric material with the closure.

1,537,669. METHOD OF MAKING CANDY SHELLS. CHARLES R. GRIFFITH, New York, N. Y. Filed Dec. 5, 1923. Serial No. 678,721. 6 Claims. (Cl. 107—54.)

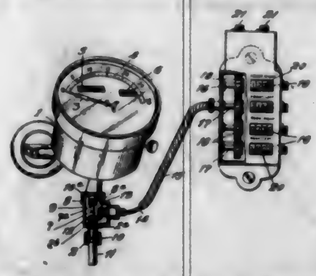


1. The method of making a chocolate shell consisting of pouring molten chocolate into a mold, placing a cover having an opening therein of less diameter than that of the open end of said mold over said mold, inverting said mold with said cover and allowing the greater part of the molten chocolate to drain from said mold, re-inverting said mold and cover, allowing the chocolate to set, removing said cover, and removing the shell from said mold.

2. The method of making a hollow chocolate shell, having an opening in the base thereof comprising casting a molten chocolate shell in the same manner as though it were to be made solid, and inverting the casting while allowing said casting to drain only near the center thereof.

1,537,670. TIRE METER AND DRIVING MECHANISM FOR SUCH INSTRUMENTS AND THE LIKE. WILLIAM P. HAMMOND, East Orange, N. J. Original application filed May 22, 1916, Serial No. 99,088. Divided and this application filed Dec. 24, 1921. Serial No. 524,583. 4 Claims. (Cl. 74—7.)

1. The combination with a flexible power transmitting shaft provided at one end with an instrument, disconnectable means between said flexible driving shaft and said instrument, and an adapter interposed between the flexible shaft and the instrument, said adapter having



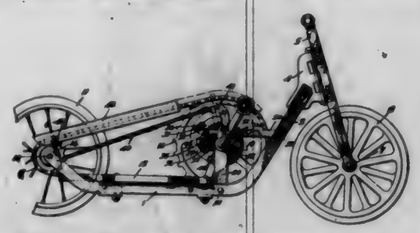
means cooperating with said shaft and instrument and driven in synchronism therewith and a second shaft connected at one end to said adapter and a second instrument connected to and driven from said second shaft.

1,537,671. ENERGY-CONVERTING ELECTRICAL INSTRUMENT. CLARENCE WILSON HEWLETT, Iowa City, Iowa, assignor, by direct and mesne assignments, to General Electric Company. Filed Sept. 9, 1920. Serial No. 409,212. 12 Claims. (Cl. 179—112.)



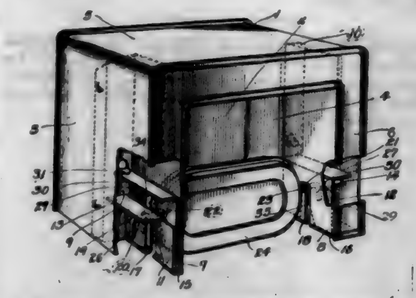
3. A telephone instrument comprising a fixed pancake coil and a diaphragm consisting of a sheet of non-magnetic conducting material adjacent and parallel thereto covering substantially the entire area of the coil.

1,537,672. CHILD'S VEHICLE. EDWARD J. HIBNER, Hamilton, Ohio, assignor to Clara A. Hibner, New York, N. Y. Filed Feb. 14, 1923. Serial No. 619,027. 5 Claims. (Cl. 280—36.)



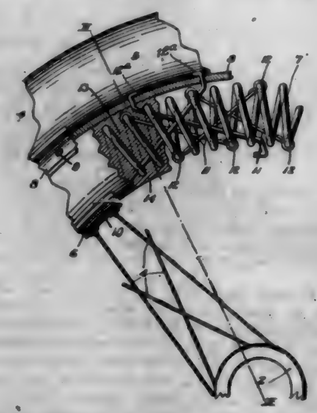
1. In a treadle propelled vehicle, a vehicle frame having two rear wheels and a front steering wheel, a single treadle operable crank shaft journaled upon the frame, a pawl and ratchet propelling mechanism operable by said crank shaft, a rod connected with the pawl for disengaging the pawl from its ratchet, a stop engageable by the rod, at the end of the retreat stroke of said pawl and crank shaft, for disengaging the pawl, and chain transmission means connecting said ratchet mechanism with one of the rear wheels.

1,537,673. PAPER-ROLL HOLDER. NEWTON S. HILLYARD, St. Joseph, Mo. Filed Nov. 26, 1923. Serial No. 676,930. 7 Claims. (Cl. 211—31.)



1. A paper roll holder comprising a bracket, having spaced in walls with vertical slots extending from the bottom edges of the end walls, the upper ends of the slots terminating in offset bearing notches, a core having journals receivable in the notches and removable through the slots and vertically movable dogs, each movable in one position to open the slots and movable in the opposite position to close the slots to hold the journals in the bearing notches.

1,537,674. VEHICLE WHEEL. SMITH A. HOOE, Rices Landing, Pa. Filed July 8, 1921. Serial No. 483,150. 16 Claims. (Cl. 152—32.)



10. In combination, an annular spiral spring, tie members connecting outer portions of some of the spiral coils thereof with inner portions of other spiral coils, a continuous filling of resilient material, and an outer enclosing lamina.

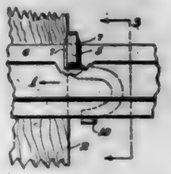
1,537,675. LOOSE-LEAF BINDER. HENRY STANLEY HORN, East Orange, N. J. Filed Jan. 12, 1923. Serial No. 612,195. 2 Claims. (Cl. 129—1.)



1. A loose leaf binder having a spring plate having means for attachment at one end to the binder, a perforation in its other end, a tongue carried by the binder for entering said perforation, and an abutment below

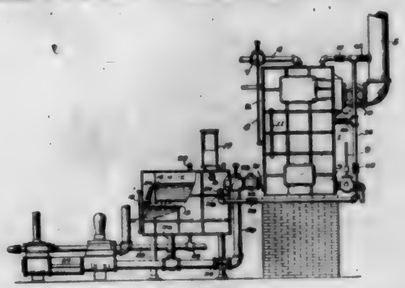
the tongue and below the end of the spring plate against which said end contacts, said abutment comprising depressed portions formed of the same piece of metal as forms the tongue.

1,537,676. RAIL ANCHOR FOR RAILROAD RAILS. JACOB ALVIN HYLE, Philadelphia, Pa., assignor to The Rail Anchor Company, a Corporation of Delaware. Filed Nov. 30, 1923. Serial No. 677,686. 9 Claims. (Cl. 238—330.)



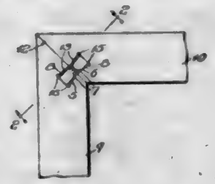
1. A rail anchor comprising a headed portion formed with an overlapping jaw and a downwardly extended member at one end thereof, an upward extension formed at its other end, and an intermediate laterally extended resilient hook-shaped portion.

1,537,677. RETARDED HEATER AND METER CONNECTION. WILLIAM STEELL JACKSON, Bala, Pa., assignor to Yarnall-Waring Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 27, 1919. Serial No. 307,157. 6 Claims. (Cl. 137—78.)



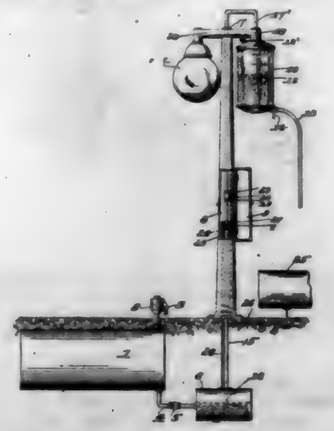
1. In an open feed water heater and weir meter assemblage in which the water space of the feed water heater is connected with the inlet or weir section of the meter and the feed water for boilers is withdrawn from the catch basin section of the meter, the novelty which consists in connecting the steam space of the feed water heater with one of the water spaces of the meter at a point below the water level in said water space.

1,537,678. FASTENING DEVICE. CARL C. JENSEN, Chicago, Ill. Filed June 18, 1923. Serial No. 646,048. 2 Claims. (Cl. 20—92.)



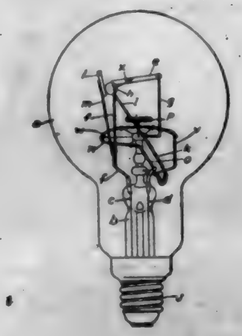
1. A fastening device comprising a pair of channels having webs secured together back-to-back, and flanges projecting from said webs and forming tenons, said flanges having out-turned margins.

1,537,679. GASOLINE-DISPENSING APPARATUS. THOMAS A. KILLMAN and CHARLEY S. NICKS, Nashville, Tenn. Filed Nov. 27, 1922. Serial No. 603,646. 2 Claims. (Cl. 221—100.)



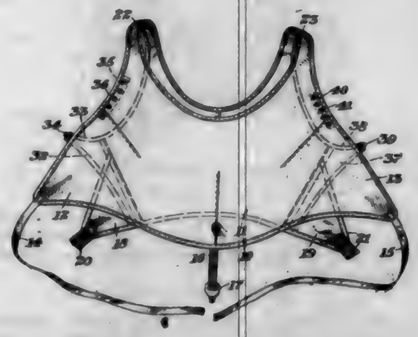
1. A gasoline dispensing apparatus, embodying in connection with a storage tank, a supply tank and air compression means, a vertical hollow support, a horizontal arm mounted on the upper end of said support, a lighting means depending from one end of said arm, a visual measuring container depending from the other end of said arm and illuminated by said lighting means, an opening in said hollow support having a closure, a scale in view of said opening having a series of vertically arranged holes, a vertical gasoline delivering pipe having its intermediate portion in said support, its lower end dipping in said supply tank and having an elbow terminating and discharging in said visual measuring container, a control means for said gasoline delivering pipe, a handle carried by said pipe for raising and lowering it to the desired point, and a stop carried by said handle to engage one of the holes on said scale to secure the pipe at the exact adjustment.

1,537,680. INCANDESCENT-ARC DEVICE. GÜNTHER KLAHRE, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed July 28, 1924. Serial No. 728,530. 6 Claims. (Cl. 176—1.)



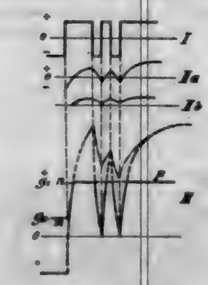
1. An arc device comprising the combination of a cathode, an anode, a thermostatic support for said anode, and a yielding conductive stop member connected to said cathode and located to engage with said anode when said device is not operating.

1,537,681. BRASSIÈRE. WALDEMAR KOPS, New York, N. Y., assignor, by mesne assignments, to Nemo Corset Company, Inc., a Corporation of New York. Filed Jan. 5, 1922. Serial No. 527,070. 2 Claims. (Cl. 2—42.)



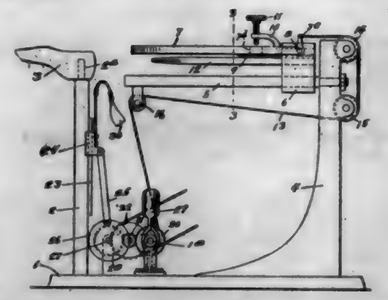
1. In a garment of the class described, a front member, a back member, the said front and back members having extensions adapted to overlie each other at the sides of the body of the wearer, the said extensions in both sides of the garment having portions in their upper edges adapted to conform to the under arm section of the body of the wearer, and means for adjusting circumferentially of the arm pit of the wearer the upper portion of one of the said extensions on each side of the garment and connecting the same to the adjacent extension to maintain the overlapping extensions in position on the body of the wearer.

1,537,682. TELEGRAPHIC RECEIVING SYSTEM. GEORG KRAUSS, Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Oct. 26, 1920. Serial No. 419,778. 3 Claims. (Cl. 178—88.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



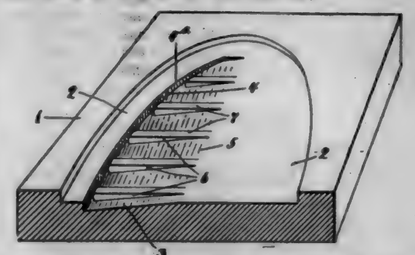
1. The method of receiving telegraphic signals formed of direct current impulses which consists in highly amplifying the signals to form steep current curves and suppressing the apexes of such secondary amplitudes as might disturb the operation of the receiver before the said amplitudes reach the receiver, in limiting the current of saturation of the amplifying tube for amplifying the signals so that the apexes of said secondary amplitudes are cut off to obtain substantially rectangular current curves in said receiver.

1,537,683. MACHINE FOR RELASTING SHOES. EUCLID I. LA CHAPELLE, Brockton, Mass. Filed Mar. 27, 1920. Serial No. 369,313. 22 Claims. (Cl. 12—15.)



1. A shoe relasting machine, having, in combination, shoe forepart relasting means, comprising shoe sole engaging means for lifting the shoe sole from the last bottom during the time of its shoe forepart relasting operation and a co-operating last holding pin.

1,537,684. SHOE-SOLE MOLD. EUCLID I. LA CHAPELLE, Brockton, Mass. Filed July 29, 1924. Serial No. 728,854. 8 Claims. (Cl. 18—42.)



8. A shoe sole mold, having, in combination, a bevel shaped depression at one of its lateral sides, and a plurality of elements, in the form of ribs, positioned transversely of the said bevel shaped depression and a substantial distance inwardly of the outer wall portion of the said bevel shaped depression.

1,537,685. STENCIL MARKER. WALTER PORTER LADD, Montreal, Quebec, Canada. Filed Mar. 26, 1923. Serial No. 627,644. 3 Claims. (Cl. 101—4.)



1. In a marking device, pincer arms shaped between pivot and handle to receive a ball and carrying intermediately on one arm a ball cup, and an arc-shaped

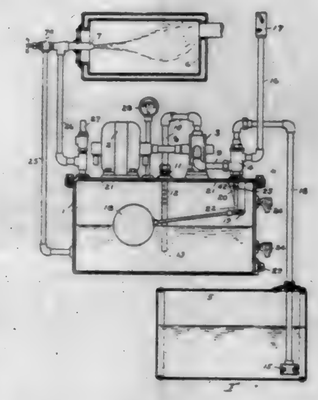
type rack carried by the other handle opposite said ball cup and having means therewithin for holding the type in an arc-shaped row corresponding with the ball surface.

1,537,686. AMUSEMENT DEVICE. AMBROSE E. LYNN, Denver, Colo. Filed Aug. 6, 1923. Serial No. 655,911. 2 Claims. (Cl. 272—1.)



1. In combination a horizontal surface, a shaft rotatably mounted and spaced from said surface, said shaft having an offset portion, a platform having one end secured to the offset portion of the shaft and the other end slidably connected to the horizontal surface, two opposite inwardly and downwardly inclined platforms spaced from the ends of said first-named platform, a platform section hingedly connected to each end of the first-named platform section and having their free ends supported by the surfaces of the two oppositely inclined platforms and anti-friction means between the free ends of said platform sections and the inclined platforms.

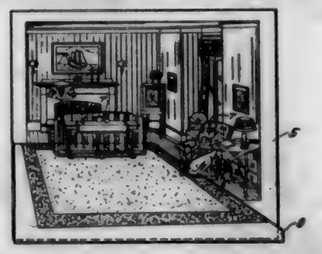
1,537,687. OIL AND AIR PUMPING SYSTEM. WILLIAM L. MORRIS, Chicago, Ill., assignor to Electroil Syndicate, Chicago, Ill., an Association composed of C. P. Jaeger, L. M. Rutledge, William L. Morris, and William K. Booth. Filed Sept. 18, 1922. Serial No. 588,768. 3 Claims. (Cl. 158—36.5.)



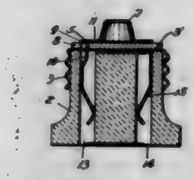
1. The combination with a receiver for air and fuel under pressure, of means for utilising air and fuel therefrom, a pump having a single receiving and discharge line, the latter connected with the receiver, a float in the receiver, fuel and air supply pipes, and a double valve connecting the pipes with the receiving line and controlled by the float for continuously regulating the proportions of fuel and air pumped.

1,537,688. ADVERTISING DEVICE. WALTER E. OLSON and ARTHUR W. PRUSSING, Chicago, Ill., assignors to Olson Rug Company, Chicago, Ill. Filed June 12, 1923. Serial No. 644,863. 2 Claims. (Cl. 35—17.)

1. An advertising device comprising a card bearing a pictorial illustration of the rear and one side wall and the floor of a room, there being a blank space on said card representing the center portion of the floor of the room and outlining a border, and furniture illustrated as resting on the border of the floor along said rear and side wall but projecting into said blank space, there being slits around the lower edges of the furniture illustrated on said blank space; and a plurality of cards bearing illustrations of rugs shaped to correspond with said blank space and insertable in said slits, substantially as described.

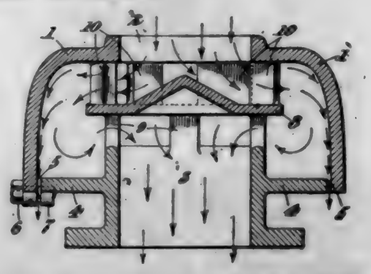


1,537,689. ELECTRIC CONNECTING PLUG. JOHANN G. PETERSON, Hartford, Conn. Filed May 9, 1924. Serial No. 712,036. 3 Claims. (Cl. 173—343.)



1. A connecting plug comprising a body of insulating material having parallel bores, a threaded contact shell fitted over an end of the body and having an end flange engaging an end of the body, a disc fitting against the flange, the body having two hollow rivets embedded therein, extending through the end flange and also through the disc, a disc fitted against the other disc, perforated to receive said rivets, the rivets being extended through both discs and headed over the outer face of the outer disc, the latter disc having a central end contact, and two contacts fitted in the respective bores, one of which has a portion bent between the end flange and said insulating disc, the other having a portion extending through a slot in the insulating disc and clamped by the conducting disc to the insulating disc.

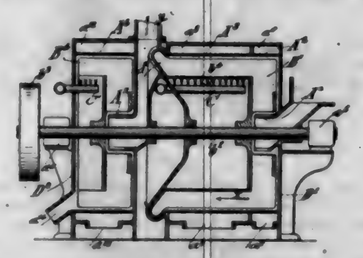
1,537,690. STEAM DRIER. ROLAND S. PORTHAM, St. Johns Wood, and ALBERT E. TOMPKINS, Brockenhurst, England. Filed May 9, 1923. Serial No. 637,902. 1 Claim. (Cl. 183—80.)



A steam drier comprising a bell-shaped casing structure having a steam inlet at its upper end and a steam outlet constituted by a member contained in its lower end, an annular water separating chamber connecting

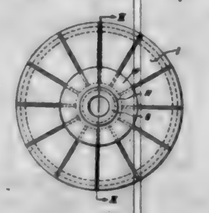
the steam inlet and steam outlet, an annular baffle surrounding the steam outlet, a deflector obstructing direct flow of steam between the steam inlet and steam outlet, a series of fixed vanes surrounding the steam inlet between the casing and said deflector to form a series of deflecting passages arranged in conjunction with the steam inlet and deflector to impart high velocity rotary flow to the steam passing therebetween, and a water discharge outlet constituted between the bell-shaped casing and the member in which the steam outlet is constituted.

1,537,691. CENTRIFUGAL SCREEN. PAUL PRIEM, Heidenheim, Germany, assignor to American Voith Contact Company, New York, N. Y., a Corporation of New York. Filed Aug. 16, 1923. Serial No. 657,851. 11 Claims. (Cl. 92—34.)



1. In a centrifugal screen, the combination of a casing provided with a plurality of chambers arranged axially of said casing, a cylindrical screen forming the inner wall of said chambers, and a runner mounted upon a shaft axially of said screen and provided with wings extending opposite to the wall of said screen and the chambers of said casing.

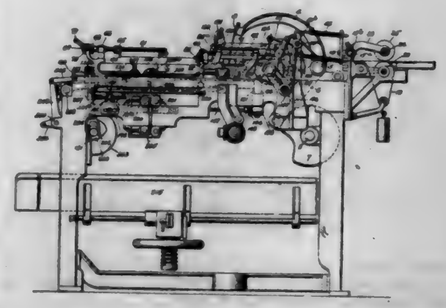
1,537,692. DISK COMMUTATOR. PHILIP W. PROUTY, Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 14, 1924. Serial No. 731,951. 8 Claims. (Cl. 171—320.)



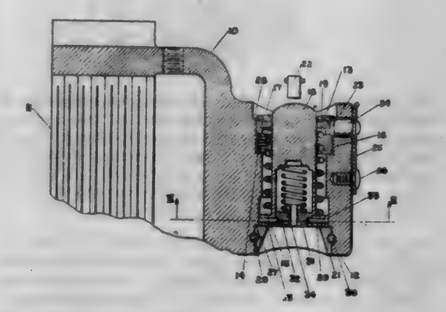
1. A commutator comprising a supporting disk of insulating material, a plurality of conducting segments disposed upon the face of said supporting disk, one end of each of said segments having a portion overlapping said supporting disk to hold the segment in place, and an additional insulating member secured over the other end of each of said segments to hold the same against said supporting member.

1,537,693. SHEET-FOLDING MACHINE. EARL D. RADER, Bedford Township, Westchester County, N. Y., assignor to Dexter Folder Company, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1922. Serial No. 595,590. 39 Claims. (Cl. 270—81.)

1. In a folding machine, the combination of two sets of second fold folding mechanisms, means for simultaneously supplying once folded sheets to both of said second fold mechanisms, a third fold mechanism, two parallel conveyors leading respectively from said second fold mechanisms to and past said third fold mechanism, a third fold gauge movable into and out of position to arrest sheets upon said parallel conveyors, and third fold registry devices, whereby two sheets can be simultaneously folded and delivered one as an eight and one as a sixteen page signature.



1,537,694. AUTOSTOP GOVERNOR. JOHN P. RIGSBY and WILLIAM T. MANNING, Essington, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1920, Serial No. 387,582. Renewed Feb. 1, 1923. 13 Claims. (Cl. 264—17.)

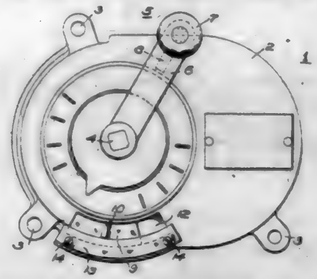


1. In an auto-stop governing mechanism for rotary mechanism, the combination of a transversely movable tripping member, a detachable work member, and releasable locking means for holding the detachable weight member in a single position only with respect to the tripping member, whereby, when the detachable weight member is locked in position the tripping member moves out to tripping position upon the attainment of a predetermined overspeed, and, when the detachable weight member is removed, the tripping member moves to tripping position at a speed below the predetermined overspeed.

1,537,695. CONTROL APPARATUS. LYNN G. RILEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 14, 1921. Serial No. 444,922. 4 Claims. (Cl. 74—88.)

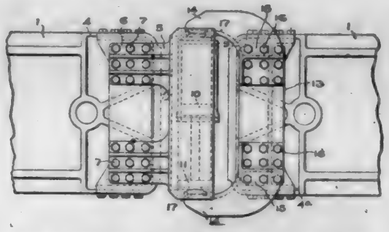
1. The combination with a rotatable shaft, of a cover member through which said shaft extends, a rigid member secured to said shaft above said cover member, a recess in said cover member, a movable member disposed

in said recess, and a projecting lug carried by the movable member for stopping the rotation of said rigid member and said shaft after said shaft has been ro-



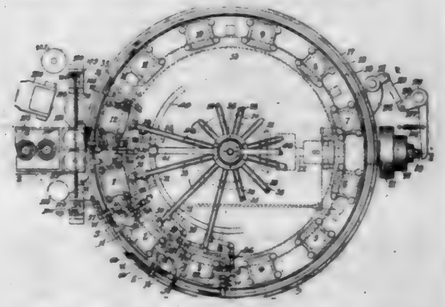
tated through a predetermined angle of more than 360°, said movable member being actuated by said rigid member through a predetermined angle.

1,537,696. CENTERING DEVICE. JOHN GILBERT RITTER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 6, 1924. Serial No. 718,226. 8 Claims. (Cl. 105—165.)



4. The combination with an articulated railway vehicle, of a centering device therefor and means for effecting steering of the articulated members relative to the curvature of the rail, said centering device comprising a plurality of pronged arms secured to the ends of the articulated members and a fluid-pressure apparatus adapted to engage the prongs of said arms.

1,537,697. APPARATUS FOR MOLDING ARTICLES. THEODORE C. ROBERTS, Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed July 9, 1919. Serial No. 309,702. 51 Claims. (Cl. 18—53.)

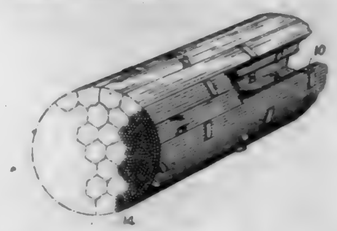


1. A pressing machine including, in combination, a movable support, a plurality of presses carried by the support, and means for successively effecting various treatments of the material in the presses, said means being adapted to be actuated by the movement of the support, and also adapted to be individually actuated independently of such movement and independently of each other.

35. An apparatus for pressing articles, including a movable support, a plurality of pressing units mounted thereon and provided with platens, means for cooling the platens, including cooling fluid-admission and discharge means, and means controlling the admission and discharge adapted to have opening and closing movement distinct from the opening and closing movement of the pressing units.

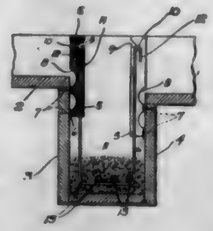
45. In a multiple pressing machine, valve mechanism adapted to be actuated by the movement of the machine for controlling the admission and discharge of hydraulic power used to actuate each pressing unit in proper synchronism with its various operations, and stationary means for actuating the valve mechanism.

1,537,698. LAYING OF AND SEIZING FOR SUSPENSION-BRIDGE CABLES. HOLTON D. ROBINSON, New York, N. Y. Filed Oct. 15, 1924. Serial No. 743,682. 10 Claims. (Cl. 14—22.)



1. The method of laying a cable for a suspension bridge comprising the provision of a series of strands of wire in parallel relation, banding the strands with seizings occupying little space radially of the cable and designed to be readily burst under pressure, laying the strands, and applying pressure to the outermost strands for compacting the cable, while allowing said seizings to remain in the cable.

1,537,699. STIRRUP CHAIR. HARVARD S. ROCKWELL, Minneapolis, Minn. Filed Dec. 29, 1923. Serial No. 683,884. 6 Claims. (Cl. 72—122.)

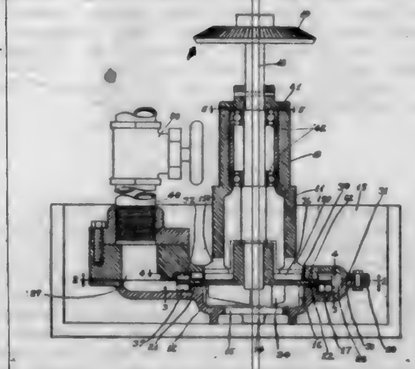


5. In a reinforced concrete beam construction, stirrup chairs adapted to be secured to the inner faces of a form and having stirrup supports and stirrups carried by said supports and depending within the form.

1,537,700. CENTRIFUGAL PUMP. VICTOR ROSENMAGEN, Bellevue, Ky. Filed Apr. 19, 1924. Serial No. 707,730. 8 Claims. (Cl. 103—110.)

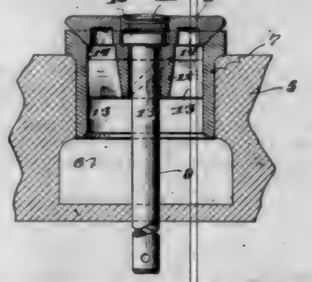
1. In a device of the class described the combination of a casing having a rotor chamber therein, the casing comprising ribs extending into said chamber from opposite sides thereof, a rotor within the chamber and lying

between the ribs extending from the opposite sides of the chamber, the ribs on opposite sides of the rotor dividing the chamber sections on opposite sides of the rotor into a central recess and a way lying outwardly of said ribs, the ribs lying on the same sides of the rotor being spaced at their ends whereby to establish



communication between the central recesses and the ways disposed on a common side of the rotor, the rotor having apertures in it for establishing communication between the central recesses disposed on opposite sides of the rotor, and blades extending from opposite sides of the rotor and operating in the central recesses and in the ways.

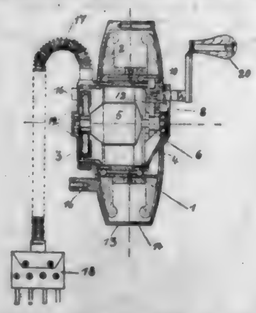
1,537,701. ENGINE VALVE. GEORGE E. R. ROTHENBUCHER, Chicago, Ill. Filed Aug. 11, 1922. Serial No. 581,171. 1 Claim. (Cl. 123—188.)



A valve structure for use on internal combustion engines comprising a substantially tubular member having a hub and a plurality of radial obliquely arranged wings connecting the hub to the tubular member, a valve having a head provided with a plurality of separate pockets in the under side thereof and adapted to receive the fluid which passes between the obliquely arranged wings whereby the fluid imparts a turning movement to the valve head, said valve head being provided with a stem movable through said hub.

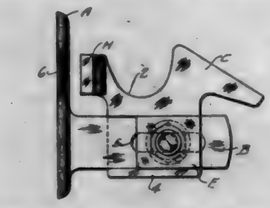
1,537,702. ELECTRIC REEL. KARL ROTTGARDT, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,598. 4 Claims. (Cl. 242—85.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A reeling device for wireless antenna and the like, comprising an electric motor, a reel revolubly mounted on said motor, means interposed between said motor and said reel whereby said motor may drive said reel, and a separable casing enclosing said reel, motor



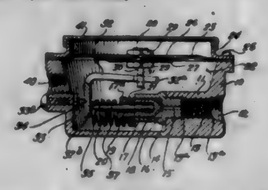
and transmission means, a portion of said casing being removable to expose said reel and transmission means, and the other portion having lugs thereon for mounting.

1,537,703. KEEPER FOR REFRIGERATOR LOCKS. ADOLPH RUBIN, St. Louis, Mo., assignor to Sieber Products Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 11, 1923. Serial No. 650,837. 4 Claims. (Cl. 292—340.)



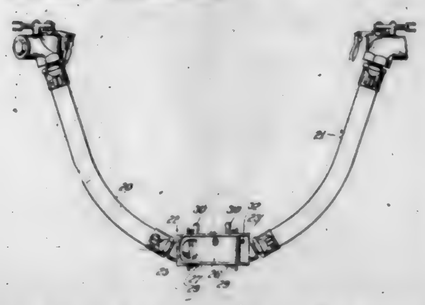
1. A keeper for refrigerator locks, comprising a part adapted to be connected to the refrigerator and provided with a forwardly-projecting shank, and a latch-engaging member adjustably mounted on said shank and provided with a laterally-projecting abutment that is adapted to be engaged by a tripping device.

1,537,704. PRESSURE REGULATOR. JOHN RUMPF, New Milford Borough, N. J., assignor to The Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Feb. 24, 1923. Serial No. 620,923. 9 Claims. (Cl. 50—26.)



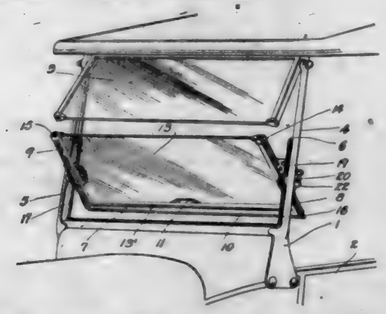
1. In a device of the class described, in combination, a pressure chamber, a valve controlling the entrance of fluid thereto, a diaphragm responsive to fluid pressure within said chamber, a lever connected to said diaphragm and responsive to movements thereof, means connecting said lever and said valve to make the latter responsive to movements of the former, spring means urging said lever in opposition to the effect thereon of fluid pressure upon said diaphragm and holding said lever against its fulcrum, and means for adjusting the position of said fulcrum to vary the force exerted by said spring against said lever.

1,537,705. TRAIN-PIPE-HOSE COUPLING, EDWARD A. RUSSELL, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of New York. Filed June 16, 1922. Serial No. 568,673. 15 Claims. (Cl. 285—68.)



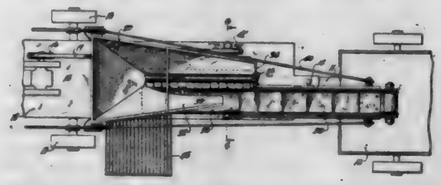
1. A hose coupling comprising a coupling member, a lug on one side face thereof, and an arm on the opposite side extending forwardly therefrom, the arms and lugs of mating coupling members being adapted by interengagement to connect said members together, and means to give the two members relative longitudinal movement to disengage them upon the upward movement of the arm of each member from normal engaging position with the lug of the other member.

1,537,706. WINDSHIELD. OLOF HELMER SANDGREN, Kansas City, Mo. Filed Dec. 20, 1923. Serial No. 681,858. 1 Claim. (Cl. 296—92.)



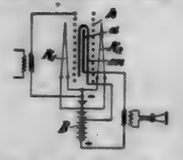
In combination with a wind shield frame, having two side posts, of a glass panel frame, and yielding concavo-convex bracket arms pivoted to the panel frame, the concave portions engaging the posts.

1,537,707. BEET-TOPPING MACHINE. JOHN SCHOLL and JOHN WEILER, Belgium, Wis. Filed Nov. 5, 1924. Serial No. 747,899. 10 Claims. (Cl. 146—85.)



1. In a beet topping machine, the combination with a beet-receiving hopper, of a pair of beet-supporting rolls at the bottom thereof rotatable in opposite directions to receive the tops of the beets between them from above, and cutting means disposed on said rolls, said rolls being disposed one above the other to permit the lateral and downward discharge of the beets from the lower roll as soon as they are topped.

1,537,708. THERMIONIC VACUUM TUBE. WALTER SCHOTTKY, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 27, 1919. Serial No. 320,249. 2 Claims. (Cl. 250—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

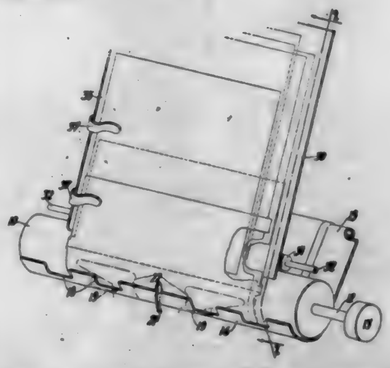


2. In a vacuum tube of the character described in combination, a glow cathode, an anode, a grid electrode and two grid-shaped conductors disposed between said cathode and said anode and insulated therefrom, one of said conductors having a potential relatively to the cathode lower than that of said anode, while in the other conductor has a positive potential relatively to said cathode exceeding the potential corresponding to its position in the space between the cathode and anode.

1,537,709. PROCESS OF REMOVING NONMETALLIC INCLUSIONS FROM IRON OR STEEL. HUGH C. SICARD, New York, N. Y. Filed Nov. 1, 1923. Serial No. 672,177. 3 Claims. (Cl. 75—45.)

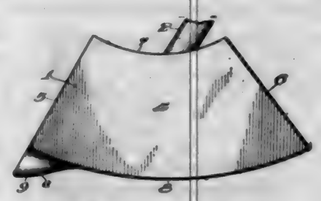
1. A process of removing non-metallic inclusions from iron or steel comprising the formation in a suitable furnace of a molten bath of iron or steel, then tapping the furnace into a ladle, then adding to the contents of the ladle titanic oxide, and then adding to the contents of the ladle aluminum.

1,537,710. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Sept. 18, 1920, Serial No. 411,181. Divided and this application filed Jan. 27, 1923. Serial No. 615,231. 9 Claims. (Cl. 197—127.)



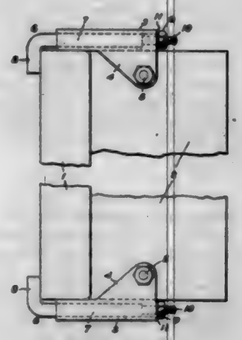
1. In a typewriting machine, a platen, a collating table, and a paper-finger pivotally mounted behind the table, extending around the edge of the table, and projecting over the sheet-field at the front of the table, the finger being movable on its pivot into and out of engagement with the front face of the table.

1,537,711. GAME CLUB. LEWIS B. SPAFFORD, Chicago, Ill. Filed Oct. 2, 1924. Serial No. 741,096. 7 Claims. (Cl. 273—77.)



4. A game club having an arcuate shaped head having inclined impact faces at its ends and sides, said head having at one end an inclined projection extending below its under side, and a shaft secured to said head at an inclination conforming to the inclination of the end face at the projection so that the latter may be used to strike a ball in the manner of a billiard cue on inverting the position of the club and giving an end thrust on the shaft.

1,537,712. CLAMP. WOLDEMAR SPECHT, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 26, 1921. Serial No. 487,812. 5 Claims. (Cl. 292—256.)

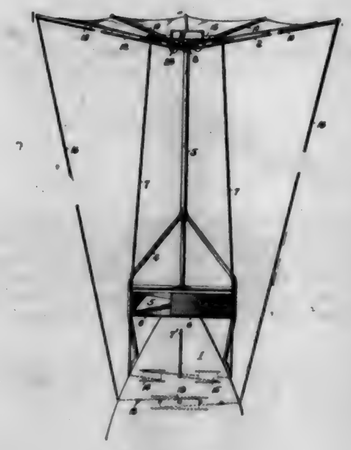


1. In a clamping device of the class described, a channel shaped member provided at one end with extensions to the flanges thereof, in the planes of the flanges whereby said channel member may be secured to an article to be clamped, a member positioned within said channel member longitudinally movable therein and provided with a projecting portion substantially parallel to the extensions of said channel member and adapted to abut another article to be clamped, and means carried on said movable member adapted to draw said projecting portion and said extensions toward each other to hold the articles to be clamped.

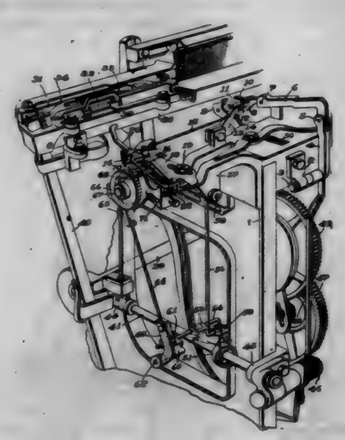
1,537,713. DRAG RUDDER FOR GRAVITY BOMBS. ELMER A. SPERRY, Brooklyn, N. Y., and THOMAS H. PHILLIPS, Jr., Fort Myers, Fla.; said Phillips, jr., assignor to said Sperry. Filed June 4, 1921. Serial No. 474,909. 7 Claims. (Cl. 102—2.)

1. A parachute having its apex at its lowest point in the open position and at its highest point in the folded position.

4. A parachute having a ring fixed thereto so that any movement of said ring causes corresponding movement of said parachute, and means connected to said ring for tilting the same to control the direction of travel of said parachute.

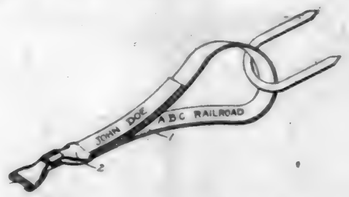


1,537,714. FEELER MECHANISM FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Mar 26, 1924. Serial No. 701,888. 10 Claims. (Cl. 139—270.)



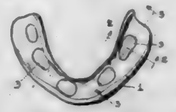
1. In an intermittent feeler mechanism for looms, the combination of a feeler, means for holding the feeler in retracted position beyond the reach of the filling on detecting beats during periods of inactivity and freeing it at intervals to periods of activity during weaving with the same supply of filling in the shuttle, and mechanism timed with relation to the picking movements of the shuttle for causing release of the feeler to its periods of activity only when the shuttle is absent from the detecting shuttle box.

1,537,715. SEAL. SYDNEY W. TREAT, Chicago, Ill., assignor to Signode System Inc., Chicago, Ill., a Corporation of Delaware. Filed Apr. 29, 1920. Serial No. 377,697. 5 Claims. (Cl. 292—315.)



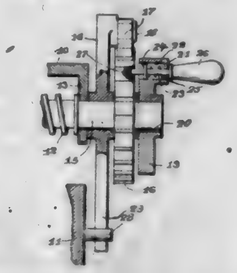
1. A seal member of the class described comprising an initially flat rectangular body portion having a narrower tongue formed integral with and projecting centrally from one end thereof, both lateral edges of said body member being turned toward each other to provide strip slots parallel with the lateral edges of said tongue.

1,537,716. DENTURE. WILLIAM R. TWIGGS, Cleveland, Ohio. Filed Mar. 8, 1924. Serial No. 697,759. 5 Claims. (Cl. 32—4.)



1. A denture formed of substantially hard material and having secured thereto a suction member composed of a hard, relatively porous material, said member having a surface conforming substantially throughout with the contact surface of said denture.

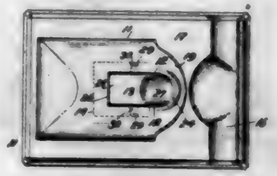
1,537,717. RATCHET MECHANISM. CORNELIS F. M. VAN BERKEL, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed Mar. 8, 1919. Serial No. 281,338. 3 Claims. (Cl. 74—54.)



2. The combination with a rotary element, of a ratchet wheel revolubly mounted on said element, a hand-operated device fixed to said element for rotating the same, means for rotating said ratchet wheel, and spring-actuated means on said hand-operated device for connecting said ratchet wheel and hand-operated device to rotate said element from said ratchet wheel.

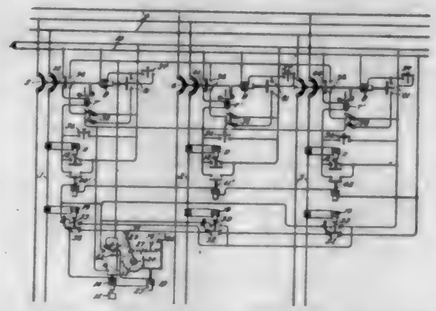
1,537,718. INKSTAND. FRANK A. WEEKS, Plainfield, N. J. Filed May 24, 1922. Serial No. 563,449. 1 Claim. (Cl. 120—67.)

An inkstand comprising a base containing a well for ink and a cover mounted on said base over said well containing in its central forward portion an elongated opening extending close to the forward portion of the cover, said cover being formed in its bottom along the sides and rear end of said opening with a three-sided recess and above the sides of said recess with bearing recesses normally opening downwardly into the same, said cover having within said opening an elongated tiltable self-closing substantially horizontal closure-device therefor



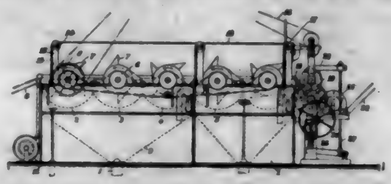
comprising a forwardly extending tongue, a weighted rear portion and side trunnions within said bearing recesses, and said cover having a three-sided frame fastened within said three-sided recess and closing said bearing recesses from below.

1,537,719. AUTOMATIC SWITCHING EQUIPMENT. BENJAMIN S. WEINFIELD, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 12, 1922. Serial No. 560,517. 17 Claims. (Cl. 175—294.)



13. In combination, an electric circuit, a circuit breaker in said electric circuit, current responsive means for effecting the opening of said circuit breaker when the current in said electric circuit exceeds a predetermined value, reclosing means for automatically reclosing said circuit breaker when it is opened by the operation of said current responsive means, and current responsive means for rendering said reclosing means inoperative when the current in said electric circuit exceeds a second predetermined value.

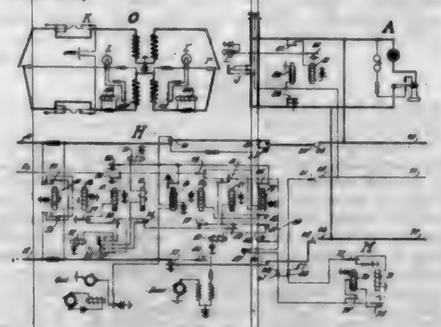
1,537,720. WOOL-WASHING MACHINE. JOHN FRANCIS WHITE and WILLIAM HOLLERAN WHITE, Bradford, England. Filed Apr. 29, 1921. Serial No. 465,459. 2 Claims. (Cl. 141—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A wool washing machine comprising in combination, a vat to contain liquor, a tray disposed therein so as to be submerged beneath the washing liquor formed of a sequence of semi-cylindrical, perforated surfaces, a plurality of rotatable drums provided with solid faced beaks

and spaced apart so that the beaks thereof are out of contact with each other during the revolution of said drums, said beaks rotating in proximity to the cylindrical surfaces of the tray.

1,537,721. AUTOMATIC TELEPHONE SYSTEM. JOHN WICKS, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 28, 1922. Serial No. 584,760. 10 Claims. (Cl. 179—27.)



1. In a telephone system, an automatic connector switch, a telephone line having line and test terminals in said switch, a manual jack associated with said line, means for connecting with said line by way of said jack, means for making said line busy by a negative battery connection to the sleeve of said jack whereby a negative potential is placed on said test terminal, means for operating said connector into engagement with the terminals of said line, means in said connector normally operative responsive to a negative potential on said terminal to connect with said line, a relay group associated with said connector, and circuit connections controlled by said relay group for preventing such connection when a negative battery connection exists on said test terminal.

1,537,722. PIPE CONNECTION FOR CONTAINERS. JOSEPH WILLIAM WINTER, Penfield, Pa. Filed July 28, 1923. Serial No. 654,354. 10 Claims. (Cl. 285—53.)



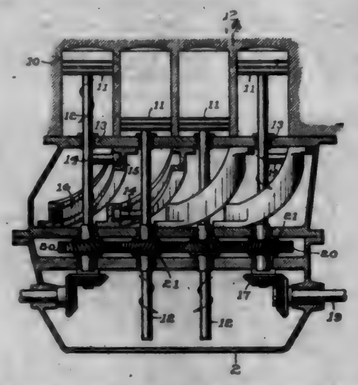
1. In a container, the combination with a sheet metal wall having an opening therethrough; of two sheet metal reinforcements for said opening, including an inner annular reinforcing plate having a central opening smaller than the opening in said wall; the metal of said wall and of said reinforcement extending in coaxial tubular relation, in contact with each other; the tubular portion of the metal of said reinforcement extending within the tubular portion of the metal of said wall, and through said wall; an outer annular reinforcing plate dished so that its circular edge which is radially inward is axially outward with respect to said tubular portion of the container wall and fitted around the latter; the tubular portion of said reinforcement extending through said wall being expanded to a larger outside diameter than the inside diameter of the tubular portion of said wall; whereby said wall and both its reinforcements are interlocked; a film of brazing alloy extending between said reinforcements and said wall, integrally uniting them, and forming a bead at the ends of the tubular portions of said reinforcements and wall and forming a fillet at the junctions of the other edges of said reinforcements with said wall; a coating of zinc alloy extending over said wall and reinforcements; and an internal pipe screw thread formed in the tubular portion of said inner reinforcement which extends in said wall.

1,537,723. CARDBOARD FIGURE. CARL E. YOUNGBERG, Seattle, Wash. Filed Mar. 31, 1921. Serial No. 457,312. 10 Claims. (Cl. 46—40.)



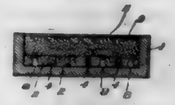
1. A figure made of flat sheet material constructed and arranged to stand erect and having in combination an elongated body portion, a head portion pivoted thereto adjacent its upper end, a pair of arms also pivoted to said body adjacent its upper end, said parts being connected by a single pivot extending normal to the plane of said portions on which they are movably and frictionally held in position, said portions being disposed in a plane which is normal to the direction in which the figure faces, flat leg portions secured to said body portion having feet at the lower ends, said leg portions being movable about vertical axes with said feet, the feet forming the sole support for said figure.

1,537,724. INTERNAL-COMBUSTION ENGINE. MEADE L. ZIMMER, Cordoba, Argentina. Filed Nov. 3, 1923. Serial No. 672,453. 4 Claims. (Cl. 74—14.)



1. In an internal combustion engine, the combination with a set of cylinders and pistons, of a rod connected with each piston, means whereby the longitudinal motion of each rod will cause the rod to turn on its own axis, and means for gearing all said rods together to transmit the motion of rotation from one to another throughout the entire series.

1,537,725. IMITATION TRAVERTIN AND METHOD OF MAKING SAME. SALVATORE S. ZOTTOLI, Quincy, Mass. Filed Nov. 28, 1924. Serial No. 752,743. 7 Claims. (Cl. 18—48.8.)



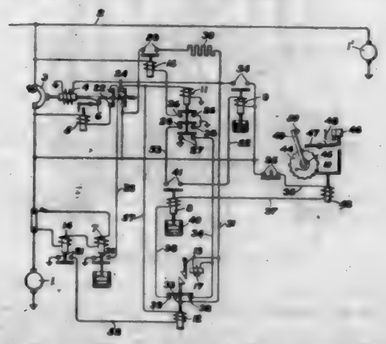
1. The method of making imitation travertin consisting of forming a plurality of cavities in a layer of plastic cement, filling said cavities with cement in a more fluid state than the body of said layer, forming other cavities in said layer while it is still plastic, spreading over the surface to form a bridge of cement over the tops of said last set of cavities and to partially fill them in places, and then allowing the whole mass to dry hard.

1,537,726. BUFFING AND DRAW GEAR FOR RAILWAY VEHICLES. MAXIMILIAN ALMA, Vienna, Austria. Filed July 13, 1922. Serial No. 574,777. 5 Claims. (Cl. 213—8.)



1. In a vehicle and in combination with the frame thereof, draft and buffer rods in alignment and extending longitudinally of the frame of the vehicle, a sleeve in which the adjacent ends of the said draft and buffer rods are slidable, means for mounting the said draft and buffer rods on the frame of the vehicle, and means for yieldingly maintaining the said draft and buffer rods in an initial position in which the adjacent ends thereof are spaced within the said sleeve permitting the said rods to be moved toward and away from each other to a predetermined extent whereby buffer stresses applied substantially simultaneously to the outer portions of the said rods move the same toward each other to bring the inner ends of the said rods together, and draft stresses applied substantially simultaneously to the end portions of the said rods move the same apart connecting them to the said sleeve through which said stresses are then applied independently of the vehicle frame.

1,537,727. AUTOMATIC RECLOSING CIRCUIT-BREAKER SYSTEM. ARVID E. ANDERSON, Scotia, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 24, 1924. Serial No. 715,726. 5 Claims. (Cl. 175—294.)



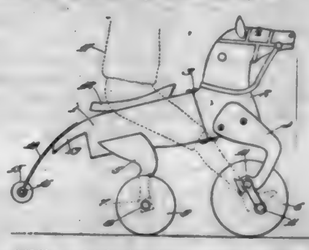
1. In an automatic reclosing circuit breaker system, a source of current, a load circuit, a circuit breaker arranged to connect said source to said load circuit, means operative when said circuit breaker is open to effect the automatic reclosing of said circuit breaker, means responsive to a predetermined overload condition of said load circuit for rendering said automatic reclosing means inoperative to reclose said circuit breaker, and means operative in response to a predetermined condition of said load circuit for automatically rendering said reclosing means operative to reclose said circuit breaker subsequently to said reclosing means having been rendered inoperative.

1,537,728. WIRE TERMINAL. FRANCIS H. BAGLEY, Louisville, Ky. Filed Aug. 26, 1922. Serial No. 584,430. 1 Claim. (Cl. 173—269.)



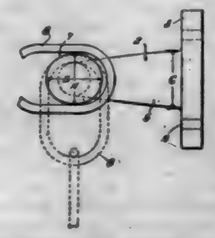
A single-piece eyelet connector for electrical conductors, comprising a metallic body formed with a channel of general circular outline connecting with a flared annulus on its inner edge, a throat projecting from one portion thereof and a general U shaped wire supporting member connected to the throat, said annulus formed with a cut away portion in its edge remote from the channel, the annulus, when rolled over a conductor, forming with said channel portion a housing substantially circular in cross-section conforming to the cross-section of the conductor and said cut-away portion providing a space to receive the conductor.

1,537,729. CHILD'S VEHICLE. WILLIAM H. BANKS, Winthrop, Mass. Filed Jan. 2, 1924. Serial No. 683,860. 2 Claims. (Cl. 208—42.)



1. A child's vehicle having a body portion front and rear leg members and wheels on which said leg members are mounted, means whereby the rider seated on the body portion may propel the vehicle, and a rearwardly extending resilient member normally raised slightly above the level of the surface on which the vehicle is being propelled.

1,537,730. HOOK. HENRY BARKMANN, Chicago, Ill. Filed June 25, 1924. Serial No. 722,236. 1 Claim. (Cl. 248—22.)

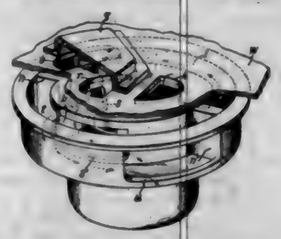


A hook having a head and a base plate, a shank joining said head and base plate, means for securing said base plate to a support with said shank in a horizontal position, the vertical dimension of the base of said shank adjacent said base plate being greater than the vertical dimension of said head and the vertical dimension of said head being less than the horizontal dimension of said head when said hook is thus secured to a support.

1,537,731. COMPOSITE-METAL ARTICLE. DAVID BASCH, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1923. Serial No. 638,401. 3 Claims. (Cl. 204—13.)

1. An article of manufacture comprising a foundation metal having a substantial electrolytic potential with respect to cadmium, a layer of tin thereon, and a coating of cadmium on said tin.

1,537,732. MULTISTAGE SUCTION FAN FOR VACUUM CLEANERS AND THE LIKE. HEINRICH BAUMEISTER, Pankow, Germany, assignor to General Electric Company, a Corporation of New York. Filed May 18, 1923. Serial No. 639,765. 4 Claims. (Cl. 230—11.)



4. In an apparatus of the character described, an impeller wheel having vanes thereon, an inner annular wall having partition means therein to form a plurality of chambers which communicate with the admission sides of the vanes at different points, an outer annular wall in spaced relation to the casing, partition means between said last named wall and the casing which forms therewith a plurality of chambers which communicate with the discharge sides of the vanes at different points, and a wall which forms a passage connecting an inlet chamber to an outlet chamber.

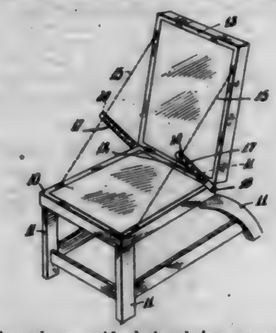
1,537,733. OPHTHALMIC MOUNTING. EARLE J. R. BEATTEY, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Nov. 22, 1922. Serial No. 602,621. 5 Claims. (Cl. 88—45.)



1. An ophthalmic mounting having, in combination, two lens-receiving rims, a bridge connecting the rims constituted of non-metallic material, and a reinforcing spring embedded in the bridge having means projecting or indenting beyond a side of the spring into the non-metallic material for securing the spring within the bridge.

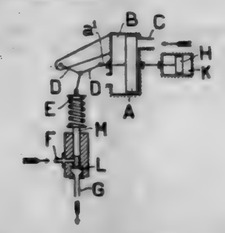
1,537,734. RECLINING CHAIR. DORA BECKE, Farrell, Pa. Filed Jan. 9, 1924. Serial No. 685,166. 1 Claim. (Cl. 155—13.)

A chair comprising a seat element, a back element hinged thereto, chains connected at opposite ends to said seat and back element to hold the latter in position, struts hinged at their lower ends to said seat element, said struts each having a hook with upturned bill at its upper end, and a row of hooks with downturned bills



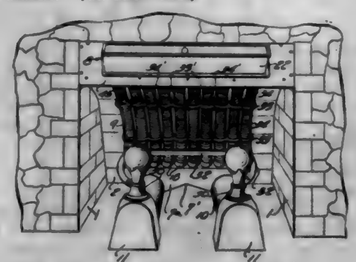
spaced therealong, said chains being passed either over the top hook or selectively under one of the other hooks to support the back element in adjusted position.

1,537,735. DEVICE FOR REGULATING THE PRESSURE OF THE INJECTING AIR OF TWO-STROKE INTERNAL-COMBUSTION MARINE ENGINES PROVIDED WITH SCAVENGING PUMPS. HEINRICH BECKER, Kiel-Hassee, Germany, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Filed Jan. 6, 1923. Serial No. 611,129. 4 Claims. (Cl. 123—33.)



1. In combination with a Diesel engine having scavenging-air and injecting-air devices, a valve for regulating the pressure of the injecting air, a piston influenced by the pressure of the scavenging air, and mechanical transmission means between said piston and said valve for transmitting the movement of said piston to said valve in varying ratio.

1,537,736. FIREPLACE HEATING AND DRAFT-CONTROL APPARATUS. JOSEPH S. BENNETT, Hammondsport, N. Y. Filed July 22, 1924. Serial No. 727,416. 17 Claims. (Cl. 126—121.)



1. A fireplace heater comprising an air collecting header disposed on the hearth and having a direct communication with the atmosphere, a distributing header

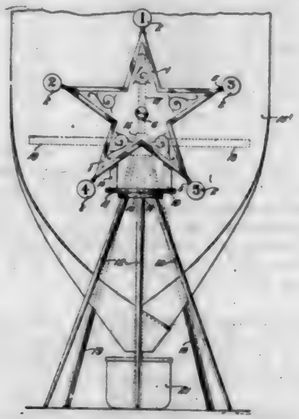
communicating with the room and disposed at the top of the fireplace and a plurality of metallic air heating tubes leading upwardly from the air collecting header to the distributing header for effectively heating the atmospheric air during its passage therethrough to the distributing header, said tubes being flexible and individually adjustable in situ to conform to the particular requirements of the fireplace and to regulate the spaces therebetween for the passage of the products of combustion.

1,537,737. ALTERNATING-CURRENT COMMUTATOR MOTOR. SVEN R. BERGMAN, Nahant, Mass., assignor to General Electric Company, a Corporation of New York. Filed July 3, 1922. Serial No. 572,514. 21 Claims. (Cl. 172—278.)



2. A laminated rotor for an alternating current dynamo electric machine having a repulsion motor winding and a permanently short-circuited winding, a flux path between said windings of sufficient capacity to permit the normal operating flux of the machine to thread the same without excessive saturation and of such reluctance, the major portion of which is due to an air gap, as to cause a portion of said flux to pass beneath said windings.

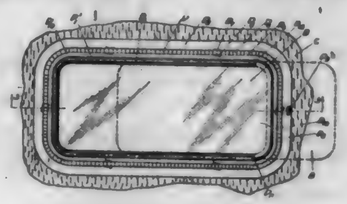
1,537,738. AMUSEMENT DEVICE. INGHAM W. BISBING, Colwyn, Pa. Filed July 20, 1923. Serial No. 652,710. 3 Claims. (Cl. 273—103.)



1. An amusement device including a plate; disks; means pivoting the disks on the plate whereby the disks will be held against swinging forward from vertical position and permitted to swing rearward into horizontal position, and spring clips extending from the plate for supporting the disks in horizontal position.

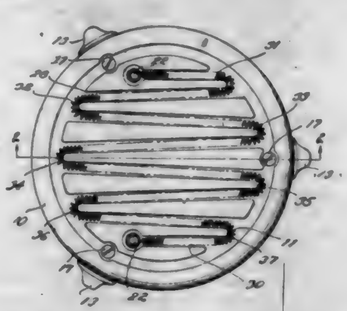
1,537,739. LIGHT FOR VEHICLE CURTAINS. WILLIAM K. BISHOP, Binghamton, N. Y., assignor to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York. Filed Sept. 15, 1924. Serial No. 737,692. 10 Claims. (Cl. 296—145.)

2. In a curtain light frame comprising members adapted to be nested, a male part for one of the members and a registering female part for the other member, an internal flange for each of said frame members of which one flange is provided with a gap, a pane mounted between said flanges and removable therefrom through said gap,



means serving to detachably retain the assembled pane in place, and indented cleat means interlocking said flanges about the pane.

1,537,740. HEATING ELEMENT. RICHARD H. BLISS, Cleveland, Ohio, assignor to Rogers Electrical Laboratories Company, Cleveland, Ohio, a Corporation of Maine. Filed Mar. 12, 1923. Serial No. 624,526. 5 Claims. (Cl. 219—37.)



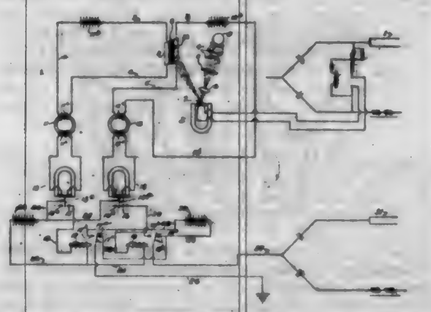
1. In an electrical heater of the character described, a utensil supporting member formed of heat resisting and electrically non-conductive material, said member having an annular groove formed in the top surface thereof and a plurality of grooves extending in a common direction and communicating at each end with the annular groove, the walls of the annular groove being undercut adjacent the ends of the grooves extending thereinto.

1,537,741. SEALING MEANS. EDWARD J. BROOKS, East Orange, N. J. Filed June 1, 1923. Serial No. 642,729. 1 Claim. (Cl. 282—325.)



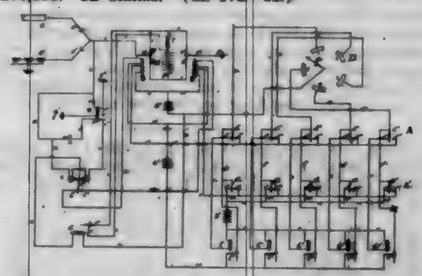
A sealing element comprising: a blank of sheet material having a weakened zone composed of a central elongated aperture and scorings extending in opposite directions from the ends of said aperture, there being a slightly raised portion adjacent each side of the aperture, two upstanding lips substantially parallel to the raised portions aforesaid and located one on each side of the aperture and in spaced relation thereto to admit of the insertion of cord ends, and two guide lugs located adjacent the outer end of each scoring and separated thereby and separated from the upstanding lips aforesaid.

1,537,742. TELEGRAPHY. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed Oct. 4, 1919. Serial No. 328,525. 2 Claims. (Cl. 178—88.)



1. In a system such as described in which current impulses of opposite polarity are adapted to operate a galvanometer in opposite directions in connection with a narrow beam of light focused on the mirror of said galvanometer so that in its neutral position it stands between two selenium resistance elements separated by a space substantially equal to the breadth of the light beam so that as the galvanometer is moved in one direction one element is illuminated and when moved in the other direction the other element is illuminated, two separate and distinct circuits from said elements each of which includes a source of electric energy and the primary of a transformer, the secondaries of said transformers being each in circuit with a separate polarized relay and separate circuits each with its own translating device controlled by the respective relays so that as the galvanometer is moved in either direction the change in either selenium element by its illumination will, through its transformer operate its own relay and translating device for the purpose specified.

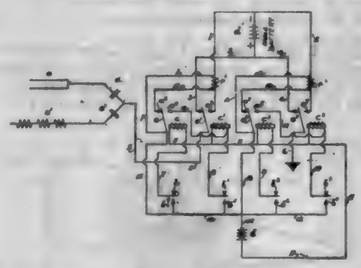
1,537,743. TELEGRAPHY. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed Apr. 24, 1920. Serial No. 376,358. 12 Claims. (Cl. 178—51.)



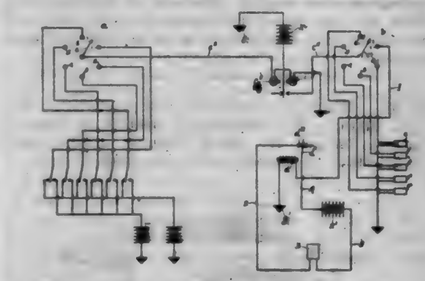
1. In a system for sending and receiving a plurality of messages over a conductor, means for sending current impulses of different polarity for one message and of the opposite polarity for a different message, and causing a zero condition where impulses of opposite polarity appear simultaneously in different messages, and separate means at the receiving end operated by the positive and negative impulses and by the zero condition of the cable, as set forth.

1,537,744. TELEGRAPHY. WILLIAM M. BRUCE, Jr., Springfield, Ohio. Filed Apr. 28, 1920. Serial No. 377,302. 8 Claims. (Cl. 178—88.)

1. In a system of telegraphing, means for supplying to a conductor impulses of opposite polarity of a given potential and separate means for supplying to said conductor increased potential in phase with said impulses of opposite polarity in connection with a movable coil relay at a receiving station adapted to move in opposite direction by the current reversals and close a circuit to one set of translating devices in response to said reversals and move to a greater distance in either direction in response to the current impulse of increased potential and close another circuit to operate a different set of translating devices by the additional movement.

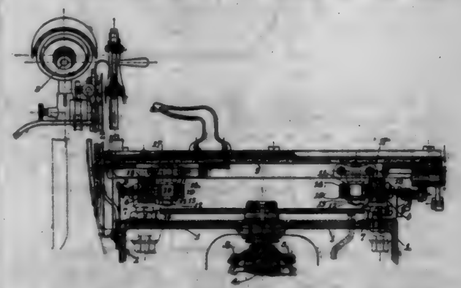


1,537,745. PRINTING TELEGRAPHY. WILLIAM MANSFIELD BRUCE, Jr., Springfield, Ohio. Filed Feb. 12, 1921. Serial No. 444,581. 8 Claims. (Cl. 178—28.)



1. The method of producing word spacing in printing telegraph systems which consists in supplying an extra impulse as a part of a letter combination and causing this impulse to operate mechanism at the receiving end prior to or during the time that the letter combination is being transmitted and set up so as to operate the spacing mechanism of the printer as for the purpose specified.

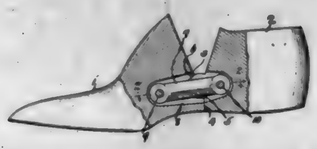
1,537,746. MEAT-SLICING MACHINE. JOHANNES ANTONIUS BUNGENS, Deventer, Netherlands, assignor to Naamlooze Vennootschap Nederlandsche Onderdeelen Corporatie, Deventer, Netherlands. Filed Mar. 5, 1924. Serial No. 697,071. 6 Claims. (Cl. 146—102.)



1. A meat slicing machine including a reciprocating table, a fixed support therefor, guide members on said support, and rotary members carried by said table and

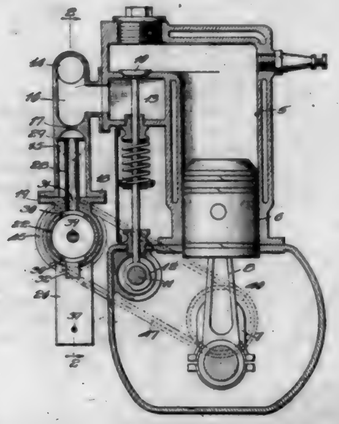
each including a plurality of rows of horizontally arranged ball bearings, said rotary members being engaged with said guide members so that the latter will take up pressure on all sides of said rotary members.

1,537,747. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Mar. 7, 1923. Serial No. 623,322. 2 Claims. (Cl. 12—136.)



1. In a last, the combination of a fore part and a heel part each of which is provided with a longitudinally extending groove, a rigid link for attaching the last parts to each other to prevent their separation and comprising two plates lying side by side, spring pins passing through said plates for attaching the rigid link to the last parts, said plates intermediate said pins being of increased cross section relatively to the remaining portions of the plates, to substantially fill the said longitudinally extending grooves in the toe and heel parts of the last.

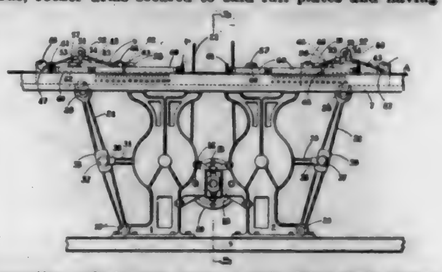
1,537,748. INTERNAL-COMBUSTION ENGINE. DON COLE, Chicago, Ill., assignor of one-half to John A. Dienner, Chicago, Ill. Filed June 28, 1919. Serial No. 307,292. 11 Claims. (Cl. 123—119.)



1. In combination, an engine cylinder, fuel feeding means, air admission means, a conduit connecting with said cylinder, and a single valve for first connecting said fuel feeding means to said conduit and for subsequently connecting said air admission means to said conduit during the intake stroke in said cylinder.

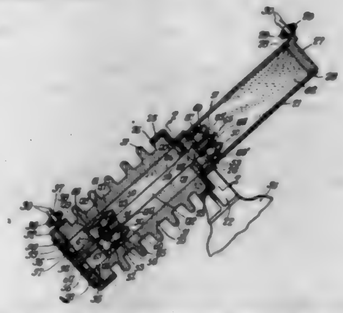
1,537,749. LINER MACHINE. CHARLES EVERETT COLGROVE, Toronto, Ontario, Canada. Filed Oct. 11, 1923. Serial No. 667,885. 10 Claims. (Cl. 271—2.5.)

1. In a liner machine, a plurality of reciprocating platens having upper and lower coacting sections, rail plates mounted on said lower coacting sections, eccentrics having rods connected to the upper coacting sections, rocker arms secured to said rail plates and having



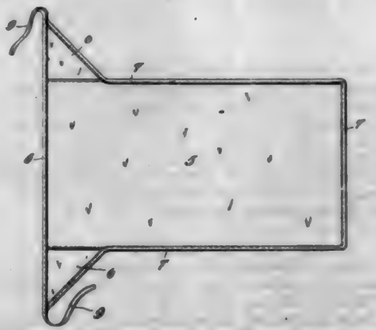
connecting rods to spur gears, a main drive shaft having intermeshing pinions, said intermeshing pinions oscillating the spur gears.

1,537,750. HIGH-TENSION LIQUID BREAK SWITCH. NICHOLAS J. CONRAD, Wilmette, Ill., assignor to Schweitzer & Conrad, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1924. Serial No. 720,306. 27 Claims. (Cl. 200—48.)



1. A device of the character described comprising a movable closed container, stationary contacts therein, a plurality of loosely carried solid circuit controlling members therein adapted to occupy either an open-circuit or closed-circuit position depending upon the position of said container, a plurality of said members making a butt contact with each of said stationary contacts and an arc extinguishing fluid within said container.

1,537,751. COMBINATION SUNBONNET AND HOUSE CAP. GLADYS B. COOKSON, Cleveland, Ohio. Filed Aug. 15, 1924. Serial No. 732,201. 2 Claims. (Cl. 2—198.)

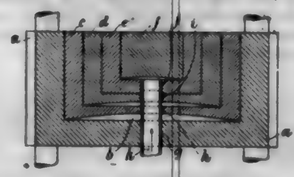


1. A combination sun bonnet and house cap comprising a cloth body portion adapted to cover the head of a wearer and project forwardly of the face to shield the eyes, said body portion terminating at the back of the head, substantially triangular sections stitched to the longitudinal sides of the body portion near its rear end and designed to be carried around the sides of the wearer's head to a point over the temples and a bias binding strip attached to the rear edge of the body portion and extending beyond the triangular sections to form tie strings, said tie strings being secured together immediately above the forwardly projecting portion.

1,537,752. ART OF PRODUCING WATERPROOF SHEETS FROM FIBROUS MATERIAL BY THE USE OF SULPHUR. FRANK H. COYNE, Bryn Mawr, Pa.; Frances Moffett Coyne executrix of said Frank H. Coyne, deceased. Filed Mar. 8, 1919. Serial No. 281,465. 7 Claims. (Cl. 154—40.)

1. The process of making a laminated paper structure which consists in moving a layer of paper over a support, applying to said layer, while it is moving over the said support, sulphur previously heated until it reaches a temporarily viscous adhesive condition and while the sulphur is still in its adhesive condition applying a second sheet and subjecting said sheets after sulphur has been applied and they are stuck together to conditions which transform them into an elastic and temporarily flexible fabric.

1,537,753. FLUID-PRESSURE PRESS. JOHN MAURICE FROST CRAVEN, Sheffield, England. Filed Apr. 13, 1923. Serial No. 631,865. 3 Claims. (Cl. 78—42.)



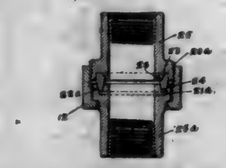
1. A press comprising, in combination, a cylinder, a plurality of rams assembled as a unit in said cylinder, each succeeding ram also forming the cylinder for the one preceding it, a port in said cylinder and also in each ram serving as a cylinder, and a valve consisting of a tubular member communicating with the source of supply and adapted to be moved to establish the communication with any desired cylinder.

1,537,754. CURTAIN STRETCHER. MICHAEL J. DE GRAVE, Chicago, Ill. Filed Oct. 25, 1920. Serial No. 419,379. 2 Claims. (Cl. 45—24.)



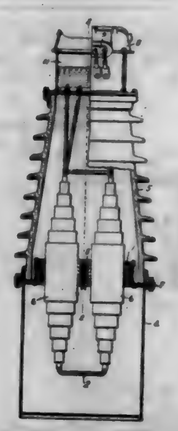
1. In a curtain stretcher, the combination of a rigid frame having longitudinally extending grooves for the reception of a series of curtain pins; cross bars slidably mounted on said frame substantially at right angles with respect to each other; brackets mounted adjacent the ends of one of the side and end bars of said frame; rollers revolvably mounted on said brackets; flexible tapes connected to said cross bars and adapted to be wound on said rollers; a ratchet wheel mounted on the end of each of said rollers; and a spring held double acting pawl adapted upon engagement with said ratchet wheel to alternately lock said roller against winding and unwinding operation, substantially as described.

1,537,755. UNION PIPE FITTING. FRANCIS J. DOWLING, New York, N. Y. Filed Nov. 12, 1924. Serial No. 749,365. 3 Claims. (Cl. 285—120.)



1. A pipe connection comprising, in combination, a plurality of co-operating members having a tubular passage, and means for forcing said members into engagement with each other, one of said members having an annular groove spaced from and surrounding said passage and constituting a double-faced seat, the other member having a tongue mating with said groove, the faces of said groove being of conical formation and intersecting to form a substantially acute angle so as to form a groove of conical section, said tongue being of approximately conical cross-section and having elements in contact with the elements of the groove thus providing for a conical surface contact along each of the groove faces, but the apex of said tongue being blunter than the apex of said groove, whereby when said tongue is forced coaxially to flow into the groove, the length of the elements in contact between the tongue and the groove is increased, and a continuous conical surface contact maintained.

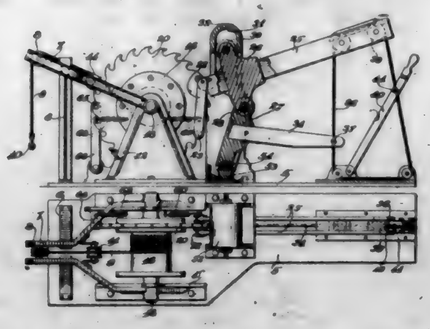
1,537,756. ENCASED TRANSFORMER. EUGENE D. EBY, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 8, 1923. Serial No. 637,562. 2 Claims. (Cl. 175—361.)



1. The combination with a high tension transformer of a casing therefor, the wall of said casing comprising a lower metallic section and an upper insulating section, the transformer comprising a horizontally disposed core supported by said lower metallic wall section near

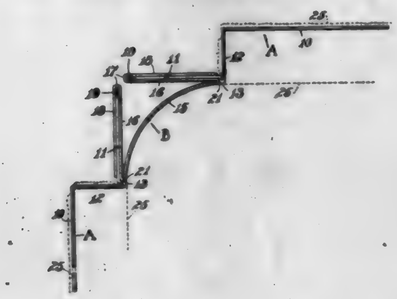
its upper edge, high tension bushings extending from the space within said lower metallic wall section through said core into the space within said upper insulating wall section, the transformer having a high tension winding extending through said bushings, and an outlet cover at the upper end of said casing wall.

1,537,757. LIFTING APPARATUS. PETER ERICKSON, Chicago, Ill. Filed May 28, 1924. Serial No. 716,451. 10 Claims. (Cl. 254—186.)



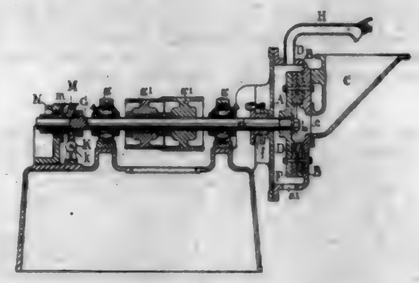
10. A lifting apparatus comprising a base, a vertically arranged guide mounted on said base and having oppositely arranged channels, a pair of toggle links connected at their adjacent ends, one of said toggle links being provided with rollers received in said channels whereby the movement of the links is guided, means to support one of the toggle links for rocking movement, levers connected to said toggle links, an endless cable connected to said levers for rocking the same, said cable being securely connected to one of said levers and being slidably connected to the other lever, an actuating lever connected to said cable, lifting links connected to one of said first named levers in advance of said toggle links, a ratchet wheel operated by said lifting link, means to hold said ratchet wheel in an adjusted position, a drum having connection with said ratchet wheel, and a lifting cable having connection with said drum.

1,537,758. EXPANSION CORNER FOR PLASTER. ANTHONY FISCHER, Indianapolis, Ind. Filed July 5, 1924. Serial No. 724,196. 3 Claims. (Cl. 72—116.)



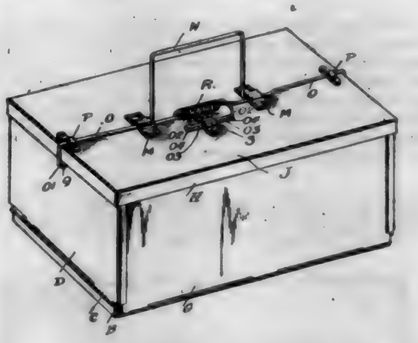
1. A plastering corner unit comprising three associated strips of suitable material, two of said strips being formed to be attached to a building frame and to receive plaster and the other being formed to bridge the gap between the first two mentioned strips, said three elements having interdigitated portions in series.

1,537,759. GRINDING MILL. JOSEPH M. FLEMING and WILLIAM H. BARNES, Manchester, England. Filed June 25, 1923. Serial No. 647,742. 2 Claims. (Cl. 83—8.)



1. A grinding, mixing or incorporating apparatus comprising in its construction an enclosed stationary grinding chamber adapted to contain a fluid mixture, a fixed vertical grinding ring fitted therein with central feed aperture, a feed device fitted thereto feeding into the aperture in the fixed grinding ring, a vertical rotary grinding disc mounted within the grinding chamber, a horizontal driving shaft to which the rotary grinding disc is affixed, a frame and anti-friction bearings to support the driving shaft and grinding disc, driving pulleys on the shaft, a thrust collar on the driving shaft, a screwed boss carried in a screwed bracket abutting against the thrust collar of the shaft and a worm wheel on the boss and a worm to rotate it to apply the desired pressure to the grinding discs.

1,537,760. FOLDING LUNCH BOX. WILLIAM JOSEPH GASSETT, Waycross, Ga. Filed Dec. 5, 1923. Serial No. 678,620. 3 Claims. (Cl. 220—7.)

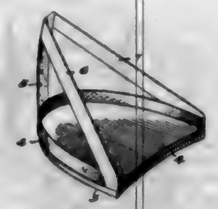


1. A folding or collapsible box, consisting of a box or container member, a lid or cover adapted to fit on said container member, and locking means carried by the cover for securing the container member in open or folded positions, said locking means consisting of a pair of arms having latching hooks at their outer ends, bent guiding portions at their inner ends formed with handles and a spring mounted upon said guiding portions to effect locking of the said hooks.

1,537,761. CAP FOR RUBBER HEELS. JOSEPH GEISMAN, New York, N. Y. Filed Mar. 20, 1923. Serial No. 626,344. 4 Claims. (Cl. 36—72.)

1. A removable cap for rubber heels, comprising a leather base, a plurality of resilient straps connected

with said base and interengaging with the heel on which the base is mounted, and a back strap connected with the first mentioned straps for holding part of the base in



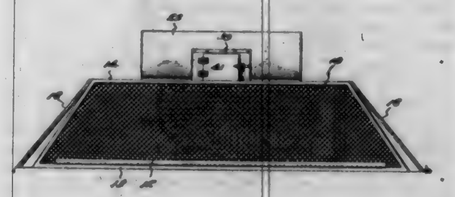
position, said straps being constructed and arranged to interengage with the heel on which the device is to be mounted.

1,537,762. ATTACHMENT FOR KNITTING NEEDLES. DAVID GENESS, Baltimore, Md. Filed Jan. 16, 1924. Serial No. 686,578. 9 Claims. (Cl. 66—17.)



1. An attachment for knitting needles consisting of several resilient tubular members fully open at both extremities and disposed in separated relation to each other, the said tubular members being connected by flat members arranged in divergent planes.

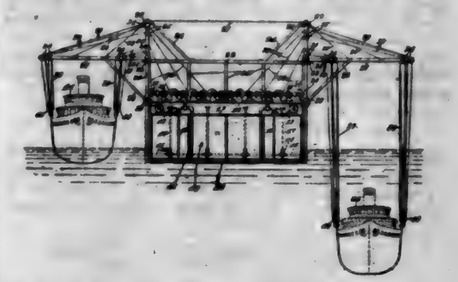
1,537,763. ANIMAL TRAP. GIACOMO GIANOLI, Hartford, Conn. Filed Jan. 30, 1924. Serial No. 689,542. 3 Claims. (Cl. 43—70.)



1. A trap comprising a casing having an opening in the top thereof, a horizontally disposed platform pivotally mounted within and normally closing the opening, a platform compartment supported upon the top of the casing above the platform and open at each end and means including vertically movable pivotally mounted segmental plates located at the ends of the platform compartment and operated by depressing the platform to close said ends.

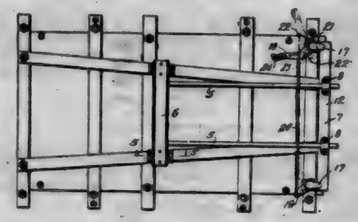
1,537,764. APPARATUS FOR RAISING SUNKEN VESSELS. CHESTER A. GOOD, Groveton, Tex. Filed Jan. 12, 1925. Serial No. 1,880. 5 Claims. (Cl. 114—50.)

1. An apparatus of the class described, comprising a floating barge, a plurality of booms carried by said barge and extending from opposite sides thereof, a floating counterpoise supported from said booms at one



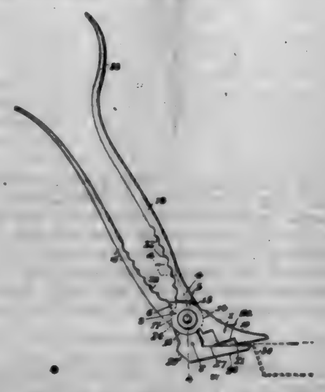
side of the barge, and means adapted to connect a vessel to be raised to the booms at the opposite side of the barge.

1,537,765. VEHICLE DUMPING BODY. FRANK M. GOOSSEN, Hillsboro, Kans. Filed July 24, 1923. Serial No. 653,573. 3 Claims. (Cl. 298—38.)



1. An end gate for dumping vehicles comprising in combination with a vehicle body, an end gate member pivotally carried by the body, a plurality of hook members carried by the body, a latch carried by the end gate member and adapted to engage behind the hook members, and ground-engaging means carried by the hook members and adapted to disengage the latch from the hook members upon the body moving to dumping position.

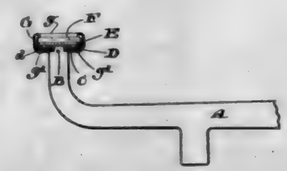
1,537,766. COMBINATION TOOL. CHARLES H. GREENE, West Blocton, Ala. Filed May 26, 1924. Serial No. 715,988. 2 Claims. (Cl. 294—3.)



1. A device for the purpose set forth comprising a pair of shanks, superposed jaws extended therefrom, one of said jaws formed of a short and a long leg, the

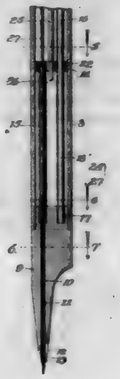
latter disposed at right angles to the former and having its inner face plane throughout, the other of said jaws having its inner face cutaway transversely thereof to provide an inner and an outer gripping point extending from one side to the other side of such jaw, said gripping points opposing and coacting with said plane surface, and the inner face of each of said jaws being of the same width with respect to each other.

1,537,767. TYPEWRITING MACHINE. PATRICK M. GREENE, Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y., a Corporation of New York. Filed July 29, 1924. Serial No. 728,863. 5 Claims. Cl. 197—102.)



5. A key cap comprising a cup, a washer fitting therein, a character disc, and discontinuous surface portions on the washer into interlocking engagement with which the disc is pressed when the parts are assembled to hold the disc against rotation.

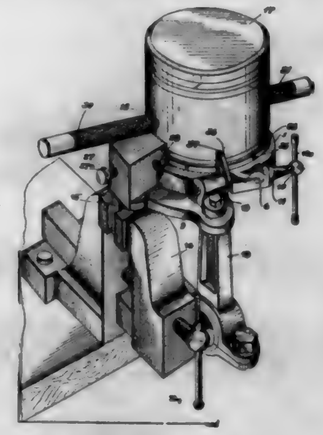
1,537,768. LEAD PENCIL. CLARENCE O. GRONBERG, Elgin, Ill., assignor of one-third to Albert M. Price, Elgin, Ill. Filed Jan. 27, 1922. Serial No. 532,062. 3 Claims. (Cl. 120—18.)



1. A lead pencil having a body portion provided with a tip, said body portion being of substantially uniform cross section throughout its length up to said tip, said tip being of less cross section than said body portion and containing a bore eccentric to the axis of said body portion, a feed rod slidable in said bore, and a threaded rotatable rod concentric with said body portion and operatively engaging said rod for propelling the latter.

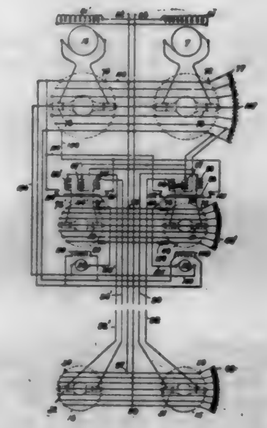
1,537,769. PISTON TOOL. ALBERT S. HAISLIP, Fredericksburg, Va. Filed May 22, 1923. Serial No. 640,753. 25 Claims. (Cl. 82—4.)

1. A tool of the character described comprising a work receiving portion for supporting rotatable work, a support for said work receiving portions, and a work reducing and retaining means associated with said support.



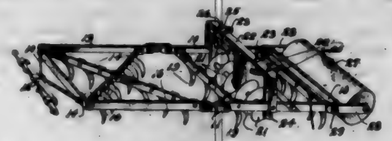
15. A tool of the character described comprising a contractible work receiving annulus, an arcuate support for said annulus, a work reducing and retaining means associated with said annulus and means for rotating said work in said work receiving portion.

1,537,770. POSITIONING MECHANISM FOR SEARCH-LIGHTS. THEODORE HALL, Brooklyn, N. Y., assignor to The Sperry Gyroscope Company, Brooklyn, N. Y., a Corporation of New York. Filed Aug. 28, 1919. Serial No. 319,383. 2 Claims. (Cl. 172—239.)



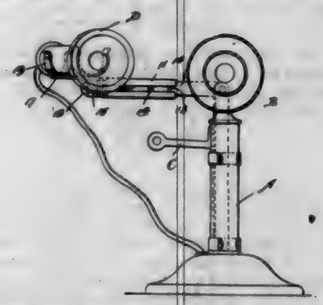
1. In combination, a plurality of rheostats, a common source of E. M. F. therefor, each rheostat having a movable contact arm, contacts on the ends of each contact arm, a polarized relay, including two coils, one end of each coil being electrical connected to the ends of one of said contact arms, the other end of each coil being electrically connected to the ends of the other of said contact arms, and a motor controlled by said polarized relay and mechanically connected to one of said movable contact arms.

1,537,771. PULVERIZING HARROW. JAMES WALTON HARRIS, Sellers, S. C. Filed Aug. 15, 1923. Serial No. 657,604. 2 Claims. (Cl. 55—12.)



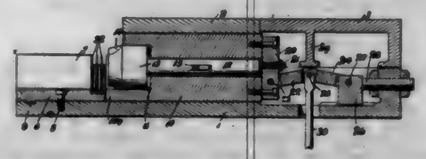
1. In a harrow, a frame, parallel cross bars carried thereby, fixed clod cutting blades depending from said bars, a yoke disposed intermediate the parallel bars, gangs of disk harrows independently and adjustably pivoted upon said yoke to track intermediate said blades or at an angle thereto, a crushing roller supported at the rear of said frame by arms pivoted thereon, and a breaker frame pivotally connected to the front of the first mentioned frame and provided with clod cutting blades disposed in parallel transverse and longitudinal planes.

1,537,772. RECEIVER SUPPORT FOR TELEPHONES. GEORGE HITZLER, Hoboken, N. J. Filed June 18, 1923. Serial No. 645,962. 1 Claim. (Cl. 179—147.)



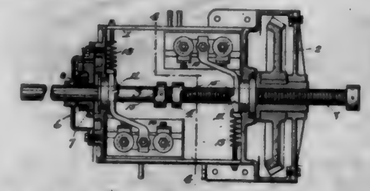
A telephone receiver support comprising bars pivotally connected together, means for frictionally fixing the bars with relation to each other, spring clasps carried by one of the bars, an abutment member carried by the other bar, a channeled bar having inturned flanges which are disposed at the opposite sides of the abutment, the channel bar and the flanges receiving the edge portions of that bar which is provided with the abutment, a pin carried by the channel bar and disposed across the space between the inner edges of the flanges, a channel bar having an angularly disposed end portion and a flat bar carried by the angularly disposed end portion of the channel bar and provided with spaced spring clips.

1,537,773. PISTON-RING-APPLYING MACHINE. CHARLES E. JOHNSON, Muskegon, Mich., assignor to The Piston Ring Company, Muskegon Heights, Mich., a Corporation of Michigan. Filed Oct. 27, 1924. Serial No. 746,135. 11 Claims. (Cl. 29—86.4.)



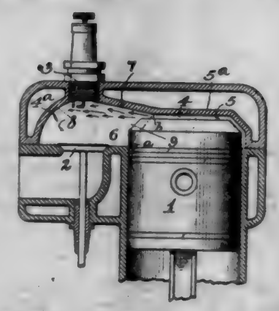
1. In a device of the class described, means for holding a plurality of piston rings in spaced apart relation, means for spreading said rings, and means for acting on said holding means to clamp the rings in their spread position whereby the grooved end of a piston may be inserted through the spread rings, substantially as described.

1,537,774. LIMIT SWITCH FOR ELECTRIC HOISTS. SAMUEL E. KALBACH, Reading, Pa., assignor to Roeper Crane and Hoist Works, Reading, Pa., a Corporation of Pennsylvania. Filed Nov. 11, 1924. Serial No. 749,212. 2 Claims. (Cl. 200—47.)



1. In a limit switch for electric hoists, the combination of a timing gear, a threaded shaft, means for holding the shaft against rotation while it moves longitudinally, adjustable stops on the shaft, electric contacts having spring-backed fingers thereon, registering lugs on the stops and on the fingers whereby contact of the stops with the fingers will stop the longitudinal movement of the shaft and cause it to rotate and open one of the contacts.

1,537,775. INTERNAL-COMBUSTION ENGINE. ISAAC J. KELLY and HORATIO W. SMITH, San Jose, Calif., assignors to Automatic Bearing Machine Co., San Jose, Calif. Filed Sept. 24, 1923. Serial No. 664,551. 4 Claims. (Cl. 123—191.)

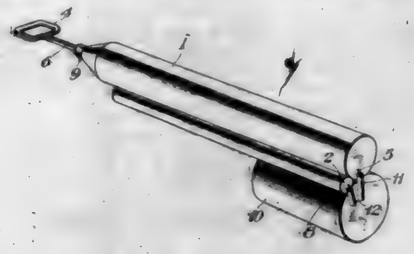


1. A combustion motor comprising a cylinder; a reciprocating piston in said cylinder; a cylinder head; a recessed surface substantially parallel to the head of said piston formed in said cylinder head and spaced sufficiently from the end of said piston at the end of a compression stroke thereof to form a compact combustion space between said surface and said piston; an enlarged combustion space formed in said cylinder head communicating with said compact combustion space; and a pair of spark points in said enlarged space; said compact and said enlarged combustion spaces being so proportioned and formed that a violent agitation of gases is set up in said enlarged section by a compression stroke of said piston without substantially choking the flow of gases between said cylinder and said spaces.

1,537,776. SPRAYER. MARTIN F. LANGWORTHY, Detroit, Mich. Filed Mar. 4, 1920. Serial No. 363,181. 1 Claim. (Cl. 299—88.)

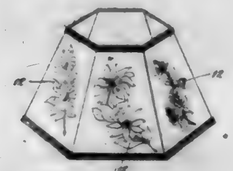
A spraying device comprising a large pump barrel having an end opening and a side opening, a reciprocable piston in said pump barrel, a small barrel mounted against an outer wall of said large pump barrel, said

small barrel having an end opening and a side opening with said side opening registering with the side opening of said large pump barrel, a tank mounted against outer



walls of said large and small barrels, and jet tubes at one end of said tank and having the jets thereof in proximity to the end openings of said large and small barrels.

1,537,777. SELF-LUMINOUS DECORATIVE MATERIAL AND PROCESS FOR THE MANUFACTURE OF SAME. GERTRUDE LIEDTKE, New York, N. Y., assignor, by direct and mesne assignments, of one-half to Julius Lippmann, New York, N. Y., and one-half to David Lippmann, Atlantic City, N. J. Filed Mar. 3, 1922. Serial No. 540,672. 8 Claims. (Cl. 41—21.)



1. The herein described luminous decorative material comprising a translucent body and coating on said body, said coating having arranged thereon in harmonious decorative relation translucent non-luminous portions and self-luminous portions.

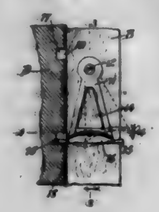
1,537,778. RUBBER OVERSHOE. BARNEY R. NYHAGEN, New York, N. Y. Filed June 27, 1924. Serial No. 722,725. 8 Claims. (Cl. 36—5.)



1. An overshoe of relatively thin sheet elastic, having two flat walls normally lapping upon each other and the edges of the walls exclusive of the entrance being integral.

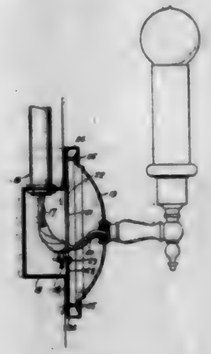
1,537,779. WINDOW-SASH LOCK. PATRICK J. O'BRIEN, Bay Bulls, Newfoundland. Filed May 24, 1924. Serial No. 715,580. 1 Claim. (Cl. 292—238.)

A window sash locking device comprising a latch member including a stationary section and a laterally movable section mounted on the side rail of a window sash, a locking lug on the movable section, a keeper plate carried by the window frame and having a plurality of vertically spaced keeper openings for receiving the locking lug, a handle member constituting respectively a means for effecting engagement and disengagement of the lug with the keeper openings and for moving the sash, a common means extending through one end of each of the latch sections for pivotally associating



the movable section with the sash, a slotted portion in the opposite end of the movable section, and a common means extending through said slotted portion and through the stationary section for holding the latter section against movement and for constituting a stop to limit the lateral swinging movement of the movable section.

1,537,780. ATTACHING BRACKET FOR LIGHTING FIXTURES. JOHN LEE OBERNDORF, Los Angeles, Calif. Filed Dec. 8, 1923. Serial No. 679,408. 6 Claims. (Cl. 240—85.)

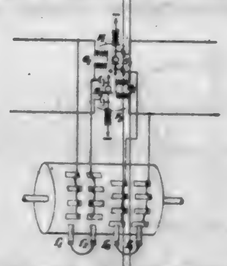


2. In combination, a junction box, an attaching bracket for lighting fixtures which is continuously curved to conform generally to the contour of the periphery of the box and approximately of the same diameter, means for securing the bracket in concentric relation to the periphery of the box and to permit circumferential adjustment thereof, and arms on the bracket adapted to be secured to the canopy of the lighting fixture adjustable about axes parallel to the axis of the bracket and in planes parallel to the plane of the bracket.

1,537,781. RECIPROCAL TELEPHONE REPEATER. WILHELM OHNESORGE, Dortmund, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Aug. 30, 1921. Serial No. 496,916. 2 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In a reciprocal telephone repeater system the combination of the repeater connection with commutating

means adapted to alternately put said repeater connection into and out of operation, for either the one or



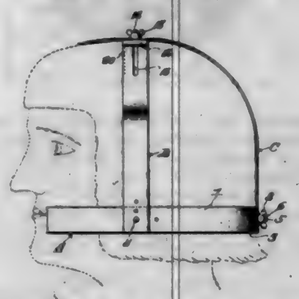
other direction of speech, at a suitable speed at which the clearness of the telephonic conversation is not affected.

1,537,782. SALT AND PEPPER BOX. GUSTAVE OLSON, Chicago, Ill. Filed Apr. 21, 1924. Serial No. 707,989. 3 Claims. (Cl. 68—45.)



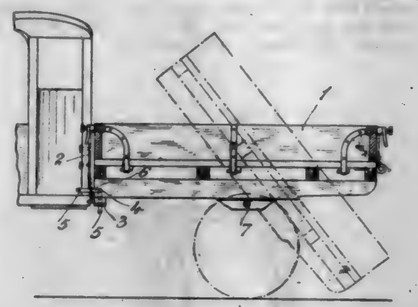
1. A device of the class described comprising a cylindrical receptacle open at the bottom; a removable vertical partition fitting said receptacle; a threaded stem on the top of said partition projecting through the top of said receptacle; a removable cap fitting over the top of said receptacle and rotatable on said stem there being openings in said cap and corresponding openings in said top, the openings in said cap being angularly displaced with reference to the openings in said top but arranged to be brought alternately into and out of registration therewith; a nut on said threaded stem holding said cap and partition in place; and a removable bottom for said receptacle, substantially as described.

1,537,783. HAIR-BOBBING GAUGE. JOHN H. OLSON, Red Wing, Minn. Filed May 6, 1924. Serial No. 711,415. 2 Claims. (Cl. 132—45.)



1. A hair bobbing gauge comprising a bottom band, side and back supporting straps for said bottom band and means for adjusting the latter vertically or circumferentially for tilting the same either up or down in a vertical plane.

1,537,784. TILTING MECHANISM FOR MOTOR TRUCKS. HANS JOHANNSEN ÖVERAASEN, Gjovik, Norway. Filed Nov. 5, 1923. Serial No. 673,010. 2 Claims. (Cl. 298—38.)



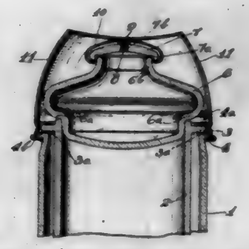
1. In tilting mechanism for motor trucks the combination with a truck body, a tilting box turnably connected with said truck body, detents fastened to said tilting box, locking springs fastened to the upright part of said truck body and engaging said detents, of a releasing bar transversely disposed and rotatably mounted on the tilting box and having crank shaped turning handles on each end one on each side of the said box for releasing the locking springs from engagement with the detents on the tilting box.

1,537,785. SWIVEL CONNECTION. LUKE EVERETT PARKER, Po Ell, Wash. Filed July 18, 1923. Serial No. 652,398. 2 Claims. (Cl. 59—95.)



2. A swivel connection comprising an outer member having a substantially cup-shaped body portion having a bore formed with the wall thereof consisting of a series of portions circular in cross-sectional contour and stepped in diameter, said portions being of substantially the same length and each two adjacent circular portions of the bore being merged one into the other by an annular shoulder, and a socket member rotatably received in the body portion of the outer member and having the outer wall thereof fashioned to provide portions circular in cross sectional contour and closely interfitting the corresponding portions of the body portion of the outer member, each two adjacent circular portions of the outer wall of the socket member being merged into each other by an annular shoulder adapted to rest on the corresponding shoulder of the inner wall of the body portion of the outer member, said socket member having a bore including a tapered portion increasing in area toward the end of the socket member which has the largest outer diameter, and a substantially U-shaped attaching member secured at its ends to said socket member and extending beyond the larger end of the latter.

1,537,786. STOPPER. WILLIAM W. SIMONSON and LEWIS V. D. BLAIR, Cincinnati, Ohio; John C. Thompson, administrator of said Lewis V. D. Blair, deceased, assignors to The Mantle Lamp Company of America, Chicago, Ill., a Corporation of Illinois. Original application filed June 1, 1918, Serial No. 237,831. Divided and this application filed Mar. 22, 1922. Serial No. 545,692. 15 Claims. (Cl. 215—48.)



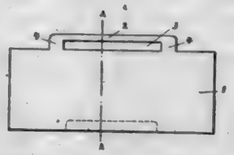
1. A multi-part heat-insulating hollow stopper having a hermetically sealed and interiorally silvered glass body portion provided with a closed bottom and an upstanding neck.

1,537,787. PISTON RING. MARTIN E. SIPE, Ridgeville, Ind., assignor to Seal-Tite Piston Ring Company, Minneapolis, Minn., a Corporation of Minnesota. Filed July 9, 1919. Serial No. 309,764. 4 Claims. (Cl. 74—109.)



1. A piston ring provided in its peripheral surface with shallow, approximately semi-circular, oil pockets that extend to one edge of the ring, the semi-circular area of said pockets being adapted to face the cylinder wall.

1,537,788. ADVERTISING SIGN. OSCAR W. WENTZ, New York, N. Y. Filed Jan. 25, 1922. Serial No. 531,542. 3 Claims. (Cl. 40—128.)



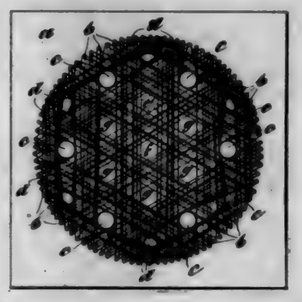
1. An advertising sign consisting of a strip of material of preferably uniform width, an extension of the material at its upper rim, a slot in the aforesaid extension so as to form a handle, an upwardly bent flap at the lower rim of the strip, the handle of such sign being adapted to be slipped over the flap of any other such sign so as to form a continuous chain.

1,537,789. LAMP-SHADE HOLDER. LOUIS YENTIS and WILLIAM LANGE, New York, N. Y. Filed Apr. 14, 1924. Serial No. 706,443. 3 Claims. (Cl. 240—148.)



1. In a lamp shade holder, in combination, a base capable of fixment to a lamp standard, oppositely opposed upwardly extended ends to said base, a locking means carried by the ends and a shade support pivotally carried by said ends capable of removal from jointure with the base ends when the support is in a horizontal position and capable of resilient placement within said locking means when it is in vertical position.

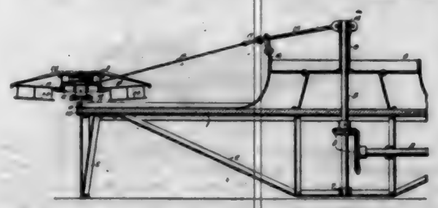
1,537,790. UNIVERSAL COUPLING AND THE MANUFACTURE THEREOF. ROBERT JOHN ALPE, Birmingham, England. Filed Sept. 17, 1923. Serial No. 663,266. 3 Claims. (Cl. 64—96.)



2. A winding frame comprising a base, a series of main pegs upstanding therefrom and corresponding to the concyclically disposed points of attachment of the disc to the driving and driven elements, a series of upstanding secondary pegs corresponding to the rivet holes required for attachment of external stiffening plates for the disc, and an external annular series of closely spaced upstanding pins for the looping of the bights of a cord.

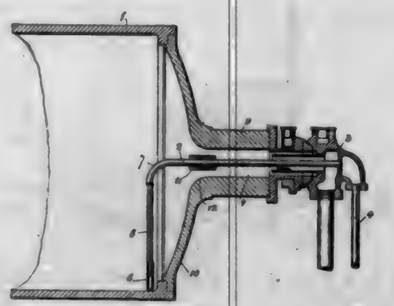
1,537,791. AMUSEMENT DEVICE. GUSTAV AMUNDSEN, Myrtle Point, Oreg. Filed Jan. 22, 1924. Serial No. 687,872. 9 Claims. (Cl. 272—43.)

1. A car of the character described, constituting an imitation airplane and held to move in a defined circular path comprising a body, castor wheels supporting the body when in lowest position, elastic equalizing means for holding the wheels in normal vertical alignment,



planes at both sides of the body, and manually operated means for tilting the planes to control the elevation of the body when in motion.

1,537,792. DRIER FOR PAPER MACHINES. FRED W. AUCUTT, Millwood, Wash., assignor to Inland Empire Paper Co., Millwood, Wash., a Corporation of Washington. Filed Mar. 21, 1924. Serial No. 700,899. 6 Claims. (Cl. 34—4.)



1. The combination with a paper drying machine having a hollow drying cylinder provided with a hollow journal, of means for removing the water of condensation from said cylinder, said means including a siphon pipe extending through said journal into said cylinder, and a flexible tubular member extending from the inner end of said pipe toward the inner surface of said cylinder.

1,537,793. DENTAL TWEEZERS. THOMAS F. BATES, Shelbyville, Tenn. Filed July 9, 1923. Serial No. 650,472. 3 Claims. (Cl. 128—260.)



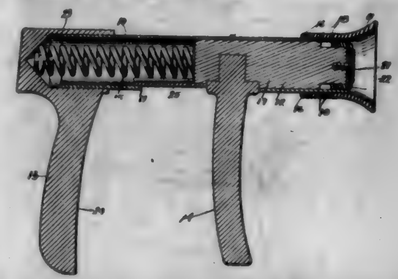
2. A dental tweezer having tapering coacting legs, the inside surfaces of which are flat throughout, and are provided with registering liquid receiving grooves, adapted to completely enclose the liquid.

1,537,794. GLOVE-FINGER-SUPPORTING DEVICE. DAVID BAUM, Livermore Falls, Me., assignor to The Baum Machine Co., Livermore Falls, Me., a Corporation of Maine. Filed Aug. 29, 1923. Serial No. 660,000. 3 Claims. (Cl. 223—20.)



2. A supporting device for glove fingers and other articles to be turned, said device having diametrically opposite resilient upstanding arms, slightly deflected inwardly at their upper ends, and a tubular clamp at the upper end of said arms and composed of laterally disposed members U-shaped in cross section and carried by the respective arms.

1,537,795. MASSAGE DEVICE. FRED C. BOHM, New York, N. Y. Filed July 25, 1923. Serial No. 653,810. 2 Claims. (Cl. 128—297.)

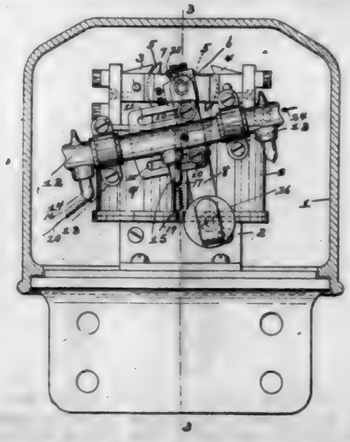


1. A suction massage device comprising an open ended barrel, a cup formed at one end thereof, a grip member having a head secured to the other end of the barrel for closing the same, a slot formed in said barrel, a sucker slidable in said barrel, a suction grip member carried by said sucker and extending through the slot, the last mentioned grip member co-acting with one end of the slot to limit the movement of said sucker in one direction, a plate carried by said sucker for closing the slot in said barrel when the sucker is in normal position and during the movement of said sucker, the second grip member being movable toward the first grip member to effect movement of the sucker to set up a suction action at said cup.

1,537,796. ELECTRIC FLASHER. GILBERT L. BOSSARD, Troy, N. Y., and RUDOLF ZAUGG, Berne, Switzerland, assignors, by direct and mesne assignments, to Bossard Railway Signal Corporation, Troy, N. Y. Filed June 1, 1920. Serial No. 385,608. 6 Claims. (Cl. 200—112.)

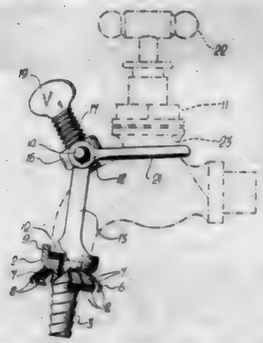
1. A device of the class described having circuit-interrupting mechanism comprising a field-magnet provided with pole-pieces, a movable armature mounted between

said pole-pieces and movable between the pole-pieces without impact engagement therewith, a freely swinging pendulous member operatively connected to said armature, a tube carried by said pendulous member, and fluid



means within said tube adapted when the pendulous member is oscillated to one position to close the circuit and when the tube is oscillated to another position to open the circuit.

1,537,797. **DEVICE FOR CONNECTING HOSE PIPES TO WATER TAPS.** HAROLD L. A. BUNBURY, East Malvern, Victoria, Australia. Filed Apr. 30, 1924. Serial No. 710,163. 1 Claim. (Cl. 205—108.)



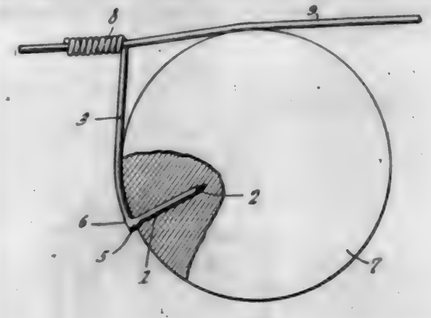
An improved device of the nature indicated comprising in combination, a body member, an externally serrated nipple extending therefrom which is capable of being entered into one end of a hose, metal tongues radiating outwardly from the nipple, said tongues having inturned or hooked outer ends which may be pressed inwardly on to the exterior of the hose, a rubber or like jointing ring accommodated by a cup shaped recess formed in the upper end of the body member, a pair of opposite arms integral with and upstanding from the body member, a nut having outstanding trunnion pins accommodated in the upper ends of said opposite arms, a U-shaped yoke pivotally attached to said trunnion pins and adapted to pass over and embrace the top portion of the tap and a clamping screw passing through said trunnion nut, by manipulation of which clamping screw the jointing ring is drawn into leak proof engagement with the outlet end of the tap substantially as described.

1,537,798. **STUD.** FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed Dec. 15, 1919. Serial No. 344,787. 2 Claims. (Cl. 24—219.)



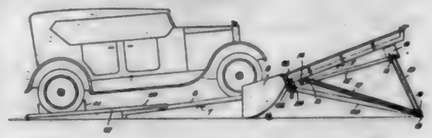
1. A three-piece screw stud providing a screw having a polygonal head, a stud having a base, and a connecting collect presenting a preformed flange for engagement over said base of said stud, a preformed polygonal portion extending over both said head and said base, and a post assembly crimped flange beneath said head formed from an initially round flange underlying said polygonal portion.

1,537,799. **STAPLE-WIRE CLINCHER.** LE ROY J. CHAPMAN, Salt Lake City, Utah. Filed Mar. 22, 1924. Serial No. 701,124. 2 Claims. (Cl. 256—57.)



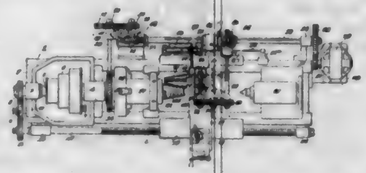
1. In a device of the class described, a prong and an arm joined to produce an angle which is sufficiently prominent to receive a hammer blow, the prong being stiff enough so that it can be driven into a post, and the arm being flexible enough so that it can be wrapped about a wire fence, there being an enlargement, for the reception of a hammer blow, at the point of juncture between the prong and the arm.

1,537,800. **AUTO SUPPORT AND JACK.** WILLIAM M. CHAPMAN, New Orleans, La. Filed Mar. 16, 1925. Serial No. 15,975. 7 Claims. (Cl. 214—1.)



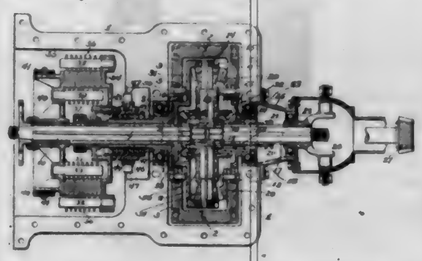
5. In a jack for elevating motor vehicles, a main frame including track sections bent intermediate their ends to provide upwardly extended portions, rockers secured to the main frame, carriages for the reception of motor vehicle wheels adapted to move onto the track sections, adjustable means for securing vehicle wheels to the carriages, means for moving the carriages onto the track sections, and a collapsible frame for elevating one end of the main frame.

1,537,801. **COMBINED TURNING AND MILLING LATHE.** FRANCIS B. COCKBURN, Cincinnati, Ohio, assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 18, 1922. Serial No. 582,649. 3 Claims. (Cl. 29—27.)



1. In a machine tool, a rail-base, a head-stock carrying a work-supporting spindle mounted on one end of said base, a carriage translatable upon said rail base, transmission mechanism for rotating said spindle and traversing said carriage, a tool-slide mounted on said carriage, a tool-holder carrying a stationary tool mounted on one end of said slide and a second tool-holder for supporting and rotating a milling cutter mounted upon the opposite end of said slide, a shaft journaled upon one side of said base and extending longitudinally thereof, and transmission means mounted on said carriage connecting with said shaft for rotating said cutter.

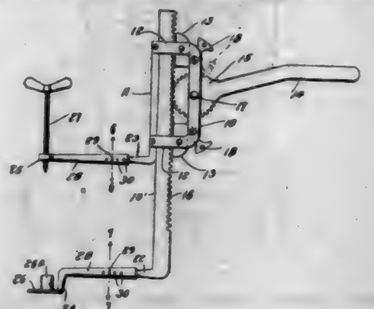
1,537,802. **TRANSMISSION MECHANISM.** DENNIS P. COLLINS, Pittsburgh, Pa. Filed Nov. 1, 1923. Serial No. 672,191. 6 Claims. (Cl. 74—34.)



1. In transmission mechanism, the combination of a driving member, a driven member alined axially with the driving member, a friction clutch, a rotatable weight member connected with one member of the clutch, a train of planetary gearing connected with another member of the clutch and adapted to drive the rotatable weight member, means whereby the planetary gearing may be actuated by the driving member, and means whereby the driven member may be operatively connected with the planetary gearing or with the rotatable weight member.

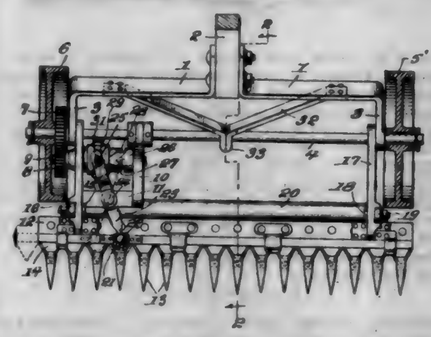
1,537,803. **VALVE LIFTER.** EVERETT L. COX, Fort Scott, Kans. Filed Oct. 12, 1922. Serial No. 594,077. 1 Claim. (Cl. 29—86.3.)

A valve lifter comprising a guide bracket including a pair of U-shaped side members spaced apart and having their bight portions vertically disposed, a bar positioned between said members and secured thereon adjacent the free ends thereof, said bar having its lower end outturned to project forwardly of the bracket, a lifting bar slidably mounted in the rear of said bar and between the members of said bracket, said lifting bar being provided with rack teeth on its rear edge and having its lower end outturned to project forwardly of the bracket, spacing blocks secured to and between said side members on the side of the lifting bar opposite to the first mentioned bar, opposed members detachably secured to the outturned ends of said bars for respectively engaging a valve and the remote end of the valve actuating spring, a lever pivoted between the bight portions of the side members of the bracket and having a segmental gear head engaging said rack teeth, said lever being located between the spacing blocks adapted



to move the sliding lifting bar to compress and release a valve actuating spring, and pawls mounted on said bracket and adapted to engage a tooth of said segmental head and hold the lever in desired position in the rear of said spacing blocks and between said side members.

1,537,804. **LAWN MOWER.** MARTIN FRANKLIN CROSBY, Mount Berry, Ga. Filed Aug. 27, 1924. Serial No. 734,507. 2 Claims. (Cl. 56—263.)

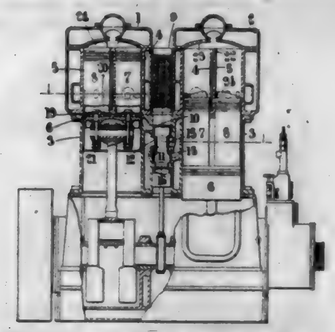


1. A lawn mower of the sickle type including a substantially U-shaped frame and a handle centrally connected to the frame, a shaft journaled through the parallel arms of the frame, a fixed wheel on one end of the shaft, a loose wheel on the opposite end of the shaft, an auxiliary frame pivotally supported on the shaft and carrying the finger bar and the reciprocating knife bar of the sickle, a double cam grooven roller journaled in the auxiliary frame, a sleeve on the cam roller having pins entering the grooves thereof, a lever pivotally secured to the auxiliary frame, having a forked end straddling and loosely associated with the sleeve, a ball on the outer end of the lever, a socket on the knife bar of the sickle in which the ball end is received, and means operable upon the turning of the wheels for revolving the cam roller.

1,537,805. **INTERNAL-COMBUSTION ENGINE.** JOHN DAVIDSON, Tutbury, Burton, England, assignor to The Record Crude Oil Engine Company, Limited, London, England. Filed Sept. 10, 1923. Serial No. 661,919. 6 Claims. (Cl. 123—53.)

3. In an internal combustion engine, a charging piston a charging cylinder, a plurality of working pistons

connected to the charging piston, a plurality of working cylinders rigid with the charging cylinder and having a



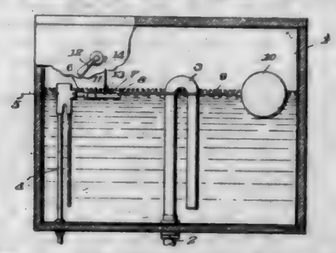
common explosion chamber, means whereby the working pistons are capable of tilting movement relatively to said charging piston.

1,537,806. FOUNTAIN PEN. JOHN J. DEVINE, Middletown, Conn. Filed Aug. 6, 1924. Serial No. 730,469. 3 Claims. (Cl. 290—8.4.)



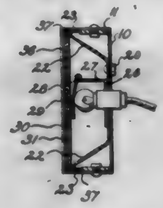
1. A pen barrel comprising a body portion, a battery arranged therein, a carrier extending in and lengthwise adjustable with respect to said battery and permanently spaced therefrom, a spring controlled lamp holder mounted in the carrier and provided with a lamp normally spaced from the battery, a retaining member mounted in the carrier for said lamp holder, and said carrier and holder having coacting means arranged within the carrier for shifting the lamp holder against the action of its controlling spring to electrically contact the lamp with the battery to close the lamp circuit when the carrier is adjusted inwardly with respect to said body portion.

1,537,807. FLUSH TANK. THEODORE C. DOREDANT and HENRY P. PFEFFER, New Orleans, La. Filed Oct. 5, 1923. Serial No. 666,762. 1 Claim. (Cl. 4—45.)



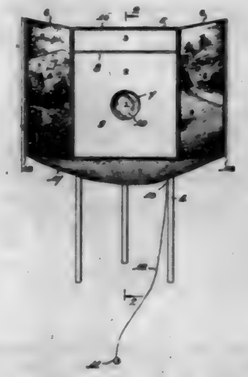
A flush tank comprising a siphon discharge pipe, an inlet pipe, a valve thereon, a channel-shaped member connected with the valve stem, a block pivotally arranged in the channel-shaped member, a float having its rod connected with said block, a bar pivoted in the channel-shaped member and when therein preventing movement of the block, a handle and means for connecting the same with the bar to raise the same out of the channel-shaped member to permit movement of the block by the float.

1,537,808. ILLUMINATED LICENSE PLATE. CLAYTON C. DOUGLAS, Felts Mills, N. Y. Filed Feb. 12, 1923. Serial No. 618,562. 1 Claim. (Cl. 40—132.)



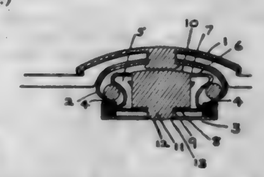
In a device of the character described, a casing, plates mounted therein, a reflector, a socket extending through the reflector and carrying an incandescent bulb, and an auxiliary reflector formed as an angular plate member secured upon the center of the main reflector and having a depending leaf hinged upon its free edge for extending downwardly below and outwardly of the bulb for throwing the light from the bulb back onto the main reflector.

1,537,809. GAME APPARATUS. ERNEST C. EASTON, Maplewood, N. J. Filed Apr. 10, 1924. Serial No. 705,588. 4 Claims. (Cl. 273—35.)



1. In a game apparatus, a frame, a flexible element having one end secured to said frame, a ball secured to the other end of said element, and a counter weight carried by said flexible element and capable of taking up slack in said flexible element when said ball is hit toward said frame.

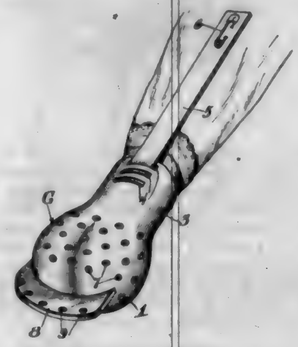
1,537,810. SNAP FASTENER. GEORGE HENRY ELWELL, Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Maine. Filed June 9, 1923. Serial No. 644,414. 5 Claims. (Cl. 24—208.)



1. A snap fastener comprising stud and socket members having an interlocking means; a base-plate upon which one of said members is slidingly mounted, said base-plate having an attaching means and also having

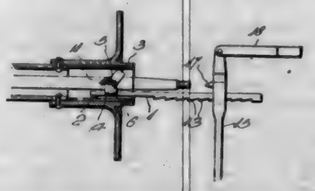
a series of indentations, and said sliding member having a hollow interior and openings communicating with said interior and certain of said openings adapted to register in sequence with said indentations as said sliding member travels said base-plate; and means operable within said hollow interior and adapted to project through said openings to co-operate with said socket member and said indentations to rigidly maintain said sliding member in a fixed position as regards said base-plate.

1,537,811. HAND GUARD AND DECIDUOUS-TOOTH ERUPTER. GILES T. EPLING, Welch, W. Va. Filed Oct. 20, 1923. Serial No. 669,787. 3 Claims. (Cl. 128—133.)



1. As a new article of manufacture, a hand guard and deciduous tooth erupter comprising a globular body adapted to house the hand and provided in its wall with an opening through which the hand is insertable, and an erupter flange extending outwardly from the outer end of the globular body.

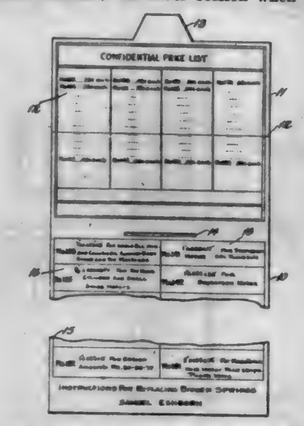
1,537,812. ROLLER-BEARING-SLEEVE PULLER. THEODORE ERICKSON, Holland, Mich., assignor to Holland Mfg. Co., Holland, Mich. Filed Apr. 28, 1924. Serial No. 709,613. 5 Claims. (Cl. 29—88.2.)



1. A roller bearing sleeve pulling device comprising a bar for insertion into a bearing sleeve, said bar having means to engage the sleeve at one side of the latter, and a sleeve-engaging member insertable into the sleeve with and pivoted to said bar on an axis transverse to the latter, said member extending laterally from said bar and being adapted to swing toward the same for insertion into said sleeve, said member being then adapted to swing outwardly from said bar and abut the sleeve to hold said bar in engagement therewith.

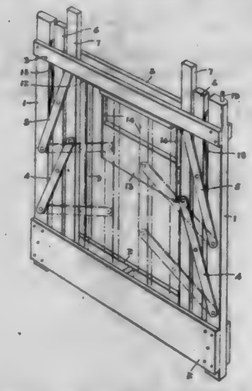
1,537,813. ADVERTISING DISPLAY. SAMUEL EHRBORN, New York, N. Y. Filed Apr. 27, 1923. Serial No. 635,085. 1 Claim. (Cl. 283—56.)

A chart divided into a lower section and an upper section, the chart being formed with a slot intermediate the divisions, the cover section having foldable connection with the upper edge of the chart and adapted when folded to cover and conceal the upper section of the chart, said cover section having a tongue adapted to be passed through the slot when the cover section is in folded relation, the cover section when open being



aligned with the chart proper to provide an extension of the upper surface of the chart for the reception of data to be concealed when the cover section is in folded relation.

1,537,514. POULTRY-NEST TRAP. DAVID W. EVANS, Newmarket, Ontario, Canada. Filed Apr. 24, 1922. Serial No. 556,156. 3 Claims. (Cl. 119—49.)

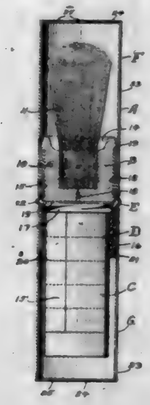


1. A poultry nest trap, comprising, a frame having rigid side posts, closure members pivoted toward the bottom of said posts to swing inward and downward, and movable means suspended between said posts and engaging and holding said closure members spaced apart to form an opening therebetween.

1,537,815. PURIFICATION OF AMMONIUM SULPHATE. EDWARD VICTOR EVANS and PERCY PARRISH, London, and ORLANDO WILLIAM WRIGHT, Bromley, England. Filed Nov. 14, 1921. Serial No. 515,027. 1 Claim. (Cl. 23—120.)

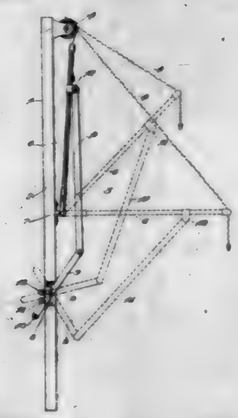
A process of neutralizing acid ammonium sulphate crystals removed from the saturator, which consists in making alkaline with ammonia free from sulphuretted hydrogen, mother liquor which has drained from crystals removed from the saturator, then treating the ammoniacal mother liquor with an oxidizing agent and filtering it, and finally stirring the filtered mother liquor with the ammonium sulphate crystals, substantially as described.

1,537,816. COMBINED SHAVING BRUSH AND SOAP CONTAINER. GEORGE W. FICKETT, Chicago, Ill. Filed Dec. 24, 1923. Serial No. 682,441. 5 Claims. (Cl. 132—81.)



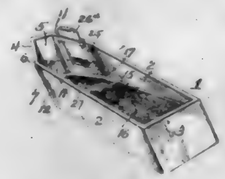
1. A toilet article comprising a brush including a base and bristles extending from one end of said base, a screw threaded socket secured to the opposite end of said base, a screw threaded cap adapted to hold a soap stick or the like, rotatable in said socket for feeding the soap stick outwardly of the socket and a sleeve encircling the base and socket and held against longitudinal movement thereby.

1,537,817. AWNING ATTACHMENT FOR WINDOW SCREENS. CHRISTOPHER FISENBAUM, Harvey, Ill. Filed June 29, 1923. Serial No. 648,608. 1 Claim. (Cl. 156—44.)



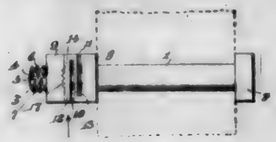
In combination with a window screen and frame, of a, spring operated roller supported at the upper end of said frame, an awning mounted upon said roller, a U-shaped operating member having its ends pivotally connected to the intermediate portion of the frame and the intermediate portion of said operating member having connection with the outer end of the awning, connecting links having their outer ends pivotally connected to the first of the operating members adjacent the intermediate portion of said member, operating levers pivotally connected to the inner ends of said links, said frame being recessed upon opposite sides thereof for receiving the ends of said operating levers, means for pivotally mounting said levers in the recesses, a handle connecting the inner ends of said levers whereby the levers may be moved upon their pivots for raising and lowering said operating member, and adjustable catch members carried by the frame for supporting said levers in various adjusted positions.

1,537,818. APPARATUS FOR DEWATERING SLUDGE. CHARLES R. GRIFFITH, South Manchester, Conn. Filed June 21, 1922. Serial No. 569,902. 2 Claims. (Cl. 210—149.)



1. Dewatering means comprising a tank, an inclined bottom member therein having longitudinal channels, screening cloth supported over said channels, said tank having a gutter communicating with said channels, means for discharging water from said gutter, vertical channels in a wall of said tank at the lower end of the bottom communicating with the gutter, screening cloth in front of said vertical channels, and a cover for said last mentioned screening cloth slidably mounted in the wall of the tank.

1,537,819. NUT AND BOLT LOCK. JESSE GRIMM, Dover, Ohio. Filed July 17, 1924. Serial No. 726,491. 2 Claims. (Cl. 151—21.)

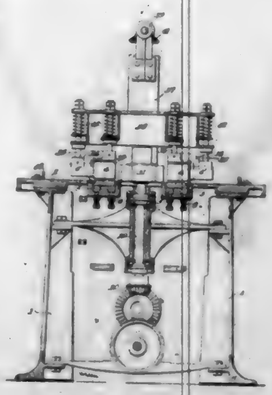


1. In a nut and bolt lock, the combination with a bolt having intersecting right and left hand threads, of a pair of superposed nuts, one having right and the other left hand threaded bores, one of said nuts having its bore threaded through approximately one-half its length and having the remainder thereof of increased diameter and unthreaded, said last mentioned nut having a pair of slots cut thereinto from opposite faces thereof, each extending to a point adjacent the opposite side to set up a resilient portion adapted to be distorted by the first mentioned nut seating thereon, one of the slots being at the inner end of, and the other at the central portion of, the threadless bored portion of the nut.

1,537,820. WOODWORKING MACHINE. HERMAN W. GRUNOW, Saginaw, Mich., assignor of one-half to Ernest E. Grunow, Saginaw, Mich. Filed Nov. 3, 1922. Serial No. 598,050. 1 Claim. (Cl. 144—90.)

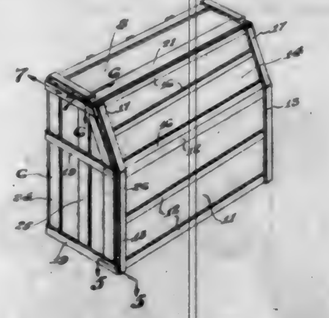
In a wood working machine, a supporting frame including a flat top provided with longitudinally extending grooves arranged adjacent and to each side of the center thereof, rotatably mounted endless feed chains having their upper reaches arranged to slide in said grooves, strips having portions overlying the outer marginal edge of the said grooves and adapted to retain said chains therein, spaced vertically adjustable strips adapted to engage the side walls of said grooves and the bottom of the said portion of said chains within the grooves, a

cutter head horizontally rotatably mounted between the grooves, guide members longitudinally disposed between the grooves and having their inner ends terminating adja-



cent the cutter head, and means for adjusting said guide members with respect to the cutter by longitudinal movement thereof.

1,537,821. BOX. ALWIN GUNDLACH, Chicago, Ill. Filed Feb. 26, 1923. Serial No. 621,408. 4 Claims. (Cl. 217—5.)

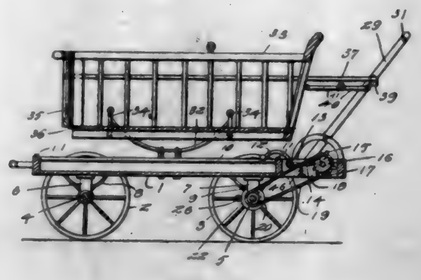


1. A box comprising a back, bottom, top, upper and lower fronts and ends, said ends overlapping the ends of the various other parts of the box and secured directly thereto, and all of the joints of the box overlapping and fitting snugly to provide a dust proof box, said bottom, back, upper and lower fronts, ends and top each composed of a plurality of spaced boards attached to form the respective portions of the box, and linings of relatively thin material attached to the inner surfaces of a part of the box.

1,537,822. BABY CARRIAGE. JOHN HAYES, Belle Vernon, Pa. Filed Mar. 23, 1922. Serial No. 546,118. 1 Claim. (Cl. 46—47.)

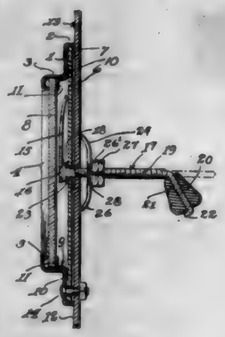
A device of the class described including an open horizontal casing mounted on wheels, a body supported on said casing, strings contained within the casing and located under and protected by said body, a transverse rod

on said casing, hammers pivoted on said rod and arranged to engage the strings, a rotary cylinder carried by the casing substantially rearwardly of the body and



provided with pins for operating the hammers, and gearing for connecting the cylinder for driving movement from one of the wheels.

1,537,823. AUTOMOBILE BATTERY INDICATOR. JOHN R. HENDERSON, Hamlet, N. C. Filed Jan. 10, 1925. Serial No. 1,619. 2 Claims. (Cl. 116—133.)

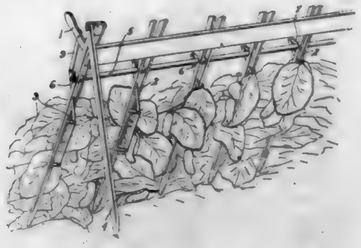


2. In an indicator, a casing adapted to be applied to the obverse face of a wall, a dial in said casing, a pointer in the casing for cooperation with the dial, a shaft carrying the pointer and adapted to be extended through the wall beyond the reverse face thereof, said shaft being continuously threaded toward its rear end and having its rear portion flattened at two diametrical sides, spring pressure means on the shaft engaging the reverse face of said wall, threaded adjusting members engaging the shaft for regulating the pressure of said spring pressure means, and an operating knob fitted on the threaded and flattened portion of the shaft, said portion being bent at an angle to the plane of the shaft and having its extremity bent at an angle to its plane for retaining said knob in position thereon.

1,537,824. CUCUMBER-PICKING APPARATUS. LEONIDAS R. HIBBS, Wapato, Wash. Filed Dec. 29, 1923. Serial No. 683,445. 3 Claims. (Cl. 56—327.)

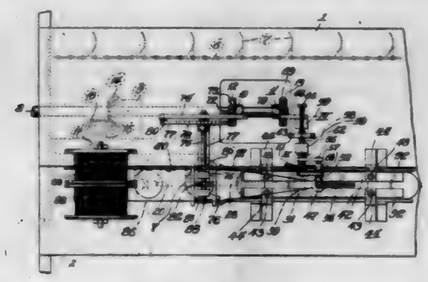
1. An apparatus for facilitating the picking of cucumbers comprising a plurality of spaced upright fingers,

teeth on the fingers and movable relative thereto, a handle, and a connection between the handle and the sev-



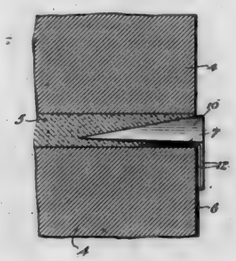
eral teeth whereby movement of the handle will be attended by the movement of teeth relative to their respective fingers.

1,537,825. CAN-SOLDERING MACHINE. THOMAS A. JETT, Greenville, Ill. Filed Jan. 20, 1923. Serial No. 613,873. 11 Claims. (Cl. 113—91.)



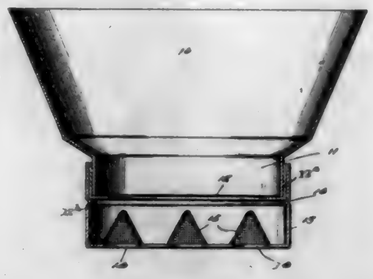
1. In a soldering machine, the combination of a soldering tool, a table, means for conveying articles along said table to a point adjacent said tool, and other means having a portion extend above said table for placing the articles directly adjacent said tool, said tool being restricted to a vertical movement with respect to the table.

1,537,826. FLASHING PLUG. CHARLES OLOF JOHANSON, Tucson, Ariz., assignor of one-half to Harry F. Bryant, Tucson, Ariz. Filed Jan. 25, 1924. Serial No. 688,580. 3 Claims. (Cl. 108—26.)



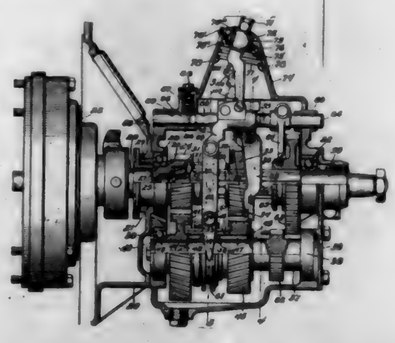
1. A flashing plug including a body of tapered formation bent to provide angularly disposed complemental sections capable of insertion into a wall to engage the free edges of said sections with a flashing, and overlapping flanges at one end of said body forming a driving head therefor.

1,537,827. STRAINER. JOHN E. JOHNSON, Washington, D. C. Filed July 21, 1922. Serial No. 576,609. 1 Claim. (Cl. 210—155.)



A strainer of the character described comprising an open lower cylindrical portion, an annular flange having an upstanding wall and a narrow inwardly extending support, the lower reduced cylindrical portion of the strainer being received within the annular flange and supported by the inwardly extending support, a foraminous covering supported by the annular flange and closing the opening defined by same and a cup-shaped member having a plurality of strainer elements in the bottom thereof, and having a head formed intermediately thereof to receive and engage the lower edge of the annular flange when the same is inserted in the cup-shaped member.

1,537,828. TRANSMISSION GEAR. FRANK H. JONES, Cleveland, Ohio. Filed Aug. 21, 1923. Serial No. 658,610. 10 Claims. (Cl. 74—57.)



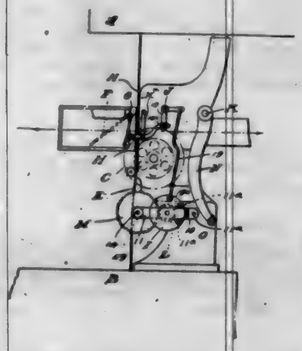
1. A transmission mechanism including a shaft comprising axial driving and driven sections, the former having a gear provided with clutch teeth, a countershaft with a fixed gear meshing with the first gear, said fixed gear having clutch teeth, a gear loose on the countershaft and operatively geared to the driven section and provided with a sleeve, a clutch element splined on said sleeve, a clutch element on the driven section respectively positioned to cooperate with the clutch teeth of the first two gears, and unitary means operatively connecting with the clutch elements for shifting them respectively, one into engagement with the clutch teeth of the gear on the driving section, the other out of engagement with the clutch teeth of the fixed gear, and vice versa, whereby the driven section may operate for high speed or for second speed through the medium of the countershaft and the fixed gear.

1,537,829. TOURIST'S FLEXIBLE REFRIGERATOR. FURMAN M. KANDLE, Atlantic City, N. J. Filed Sept. 15, 1923. Serial No. 662,898. 13 Claims. (Cl. 62—31.)



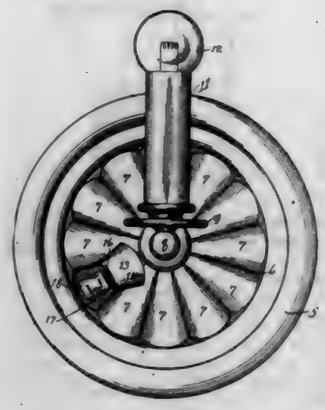
3. A tourist's refrigerator formed of flexible material comprising a body of satchel-like shape having a hingedly opening mouth, attaching straps carried by said flexible body, a partition within said body forming an ice containing compartment and an article containing compartment, an ice containing bag in said ice containing compartment, said bag formed of flexible material, a water-valve structure carried by said ice bag at the bottom thereof, and a rigid ice support in the bottom of the bag, a drain-tube having communication with the interior of said ice bag upwardly of its bottom to permit the retaining of a predetermined quantity of water within the ice bag.

1,537,830. AUTOMATIC FIRE-SHUTTER MECHANISM. LUKE KIRAL, New York, N. Y. Filed July 20, 1922. Serial No. 576,284. 4 Claims. (Cl. 88—17.)



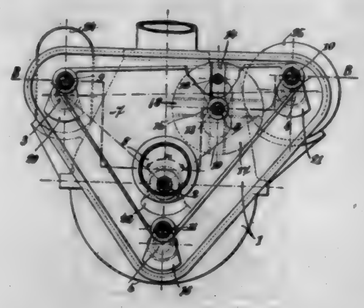
1. A fire shutter mechanism for picture projecting machines having a shutter and operating means therefor including a clutch, means adapted to be driven from the film and to which said clutch is transferable for driving movement therefrom so that upon breakage of the film the shutter will protect the film against fire, and means to establish a driving connection between the clutch in its latter position and said shutter.

1,537,831. LIGHTING FIXTURE. EWALD A. KOENIG, San Francisco, Calif. Filed May 20, 1924. Serial No. 714,716. 1 Claim. (Cl. 240—73.)



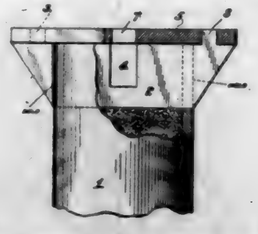
In a device of the character described, a base, a rosette mounted on said base, a pocket formed beneath said rosette and extending into said base, a receptacle mounted in said pocket, said rosette comprising a plurality of radially positioned portions, one of said portions being hinged so as to form a cover for said pocket.

1,537,832. KINEMATIC ACTUATING DEVICE FOR VALVE GEARS AND THE LIKE. THEODORE LAFITTE, Paris, France. Filed Apr. 5, 1922. Serial No. 549,948. 3 Claims. (Cl. 74—14.)



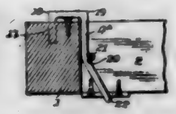
1. In a motor, a driving mechanism comprising a driving shaft a plurality of parallel shafts adapted to actuate the machines pertaining to the motor such as the magneto, pump, lighting generator, air fan and the like, cranks of equal length disposed upon all of these shafts and in parallel position, a plate having all of the said cranks pivoted thereto, means for rotating the said plate in a circular path in concordance with the rotation of the motor shaft, a cam shaft parallel with the driving shaft, and with said parallel shafts adapted to drive parts of the motor, a disk having two crossed grooves disposed on the end of the cam shaft adjacent the said plate, two slides cooperating with the said grooves, two wrist pins disposed upon the said plate, the said wrist pins being respectively connected with the said slides and spaced apart by a distance equal to the diameter of the circle described by the said cranks.

1,537,833. BUILDING COLUMN. JOHN LALLY, Boston, Mass. Filed Aug. 10, 1921. Serial No. 491,179. 4 Claims. (Cl. 72—75.)



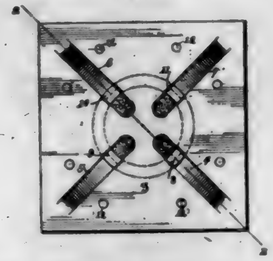
1. A building column comprising a slotted casing, a bracket in said casing slot provided with a cut out portion, a lug on said bracket and an apertured top plate, one aperture of which engages the bracket lug and the other of which alines with the cut out portion of the bracket, the bracket and slot edges being welded together.

1,537,834. BEAM HANGER. JOHN LALLY, Boston, Mass. Filed Feb. 20, 1923. Serial No. 620,231. 9 Claims. (Cl. 20—94.)



1. Building construction comprising an apertured header, a joist, a bracket formed with a bottom bar carrying the joist, side bars between which the joist lies and ends entering apertures in the header and bearing plates interposed between the hanger and the header and joist.

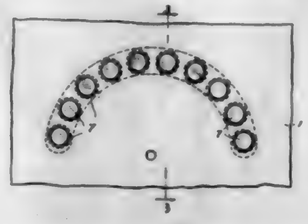
1,537,835. BUILDING COLUMN. JOHN LALLY, Great Neck, N. Y. Filed Feb. 23, 1924. Serial No. 694,617. 4 Claims. (Cl. 189—42.)



1. A column comprising a metal tube perforated adjacent its end, a column cap thereon comprising a metal plate with a plurality of flanges slit and punched from said plate at a distance from the edges thereof and bent at an angle to the plane thereof, the free ends of said flanges engaging the perforations in the tube.

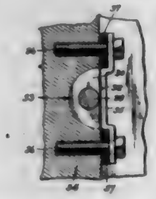
1,537,836. SWITCH-POINT ASSEMBLY. SIGMUND M. LAUTER, Brooklyn, N. Y. Filed Feb. 19, 1923. Serial No. 620,113. 1 Claim. (Cl. 200—166.)

A switch point unit which comprises, in combination, a panelboard having a plurality of apertures therein, a plurality of switch points passing loosely through said apertures, contacting caps on the projecting ends of said points, the ends of said points being pointed, a pair of insulating plates having apertures therein into which said points are threaded, a stiffening plate disposed between said insulating plates and having apertures larger in diameter than the apertures in the insulating plate, a flange on each point fixed thereto and disposed between



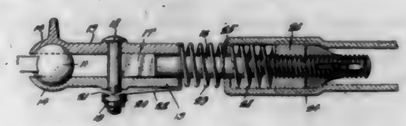
the panelboard and one of said insulating plates, and a clamping nut threaded on to the end of each point opposite the end on which the contacting cap is threaded, said nuts adapted to hold the insulating plates against the flange.

1,537,837. VALVE-OPERATING MECHANISM. JOSEPH F. LENNON, Painesville, Ohio. Filed Mar. 12, 1923. Serial No. 624,487. 2 Claims. (Cl. 123—90.)



1. The combination with an engine having a spring closed valve in the head thereof and a cam shaft of a horizontally disposed pull-bar, one end of said pull-bar engaging the said valve, a dummy spring engaging the other end of said pull-bar, a flexible member connected to the center of said pull-bar, a half-moon shaped tappet guidingly supported adjacent the cam shaft of the engine, a cam ring carried by said tappet, a cam on said cam ring and engaging the cam of the engine cam shaft, said tappet being connected to said flexible member whereby said horizontally arranged pull-bar may be displaced vertically to operate said valve.

1,537,838. CUSHIONING DEVICE FOR CUTTER BARS. HUBERT F. LEUCK, Pilger, Nebr. Filed Jan. 18, 1925. Serial No. 2,194. 2 Claims. (Cl. 74—48.)

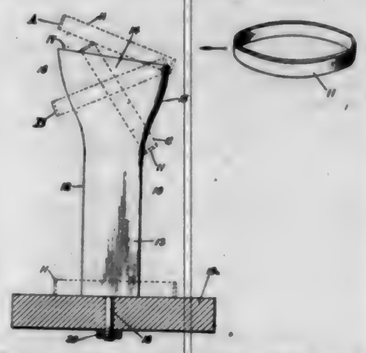


1. In a pitman, a rod, a coupling member, a yoke secured to one end of the rod and provided with an opening, a coupling member, a bolt having one end engaged in the coupling member and its opposite end extending through the opening of the yoke; a spring surrounding the bolt between the coupling member and yoke, an adjusting nut mounted upon the bolt and slidingly engaging the yoke to prevent relative rotary movement and a spring surrounding the bolt between the end of the yoke and the adjusting nut.

1,537,839. MANUFACTURE OF METAL BLANKS. HUGO LOHMANN, Berlin-Johannisthal, Germany. Filed Aug. 26, 1921. Serial No. 495,732. 12 Claims. (Cl. 148—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

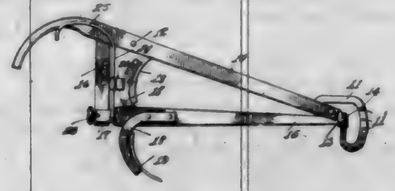
1. Process for the manufacture of very hard, but ductile metal capable of withstanding breakage, consisting in casting a block of carbonless crystalline metal, converting its crystalline structure into a fibre-like structure, and then carbonizing said blocks.

1,537,840. AMUSEMENT APPARATUS. SIMON J. LUBMAN, Bronx, N. Y. Filed Feb. 11, 1925. Serial No. 8,581. 6 Claims. (Cl. 273—100.)



1. A game apparatus including a post having a shank and an enlarged head at the top thereof, the front and rear edges of said head being curved, and a hoop adapted to be thrown toward said post for striking engagement with either the front or rear edge for causing the hoop to pass over said head.

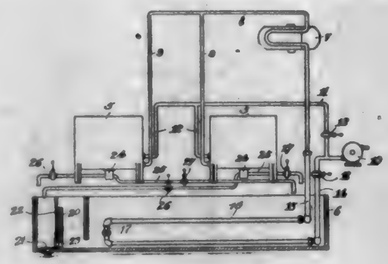
1,537,841. REVERSIBLE PLOW. JOHN W. MCCARTER, Wedowee, Ala. Filed Apr. 12, 1923. Serial No. 631,005. 3 Claims. (Cl. 97—28.)



1. A reversible plow comprising converging handle bars, a bearing carried by the converging ends of the bars, a bearing below and supported by the other ends of the bars, a revolvable shaft rotatably supported in the bearings and extending longitudinally of the handle bars, plow standards carried by and rotatable with the shaft, and a flexible notched means supported below the rear ends of the handle bars in position to receive the standards, successively, for holding the shaft against rotation.

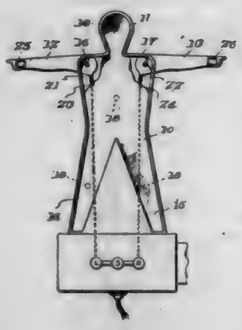
1,537,842. WATER-HEATING SYSTEM. CHARLES ALOYSIUS MCCARTY and WALTER AUGUSTUS HOWLAND JONES, Plymouth, Mass.; said Jones assignor to said McCarty. Filed Mar. 12, 1924. Serial No. 698,812. 5 Claims. (Cl. 68—37.)

1. The combination with a washing machine and a heating element connected with the machine for supplying heated water thereto; of a tank above which said machine is supported and into which the water in the machine is directly discharged, a heating coil in said tank for raising the temperature of water fed to said



coil from a source of supply, and a connection between said coil and heating element for feeding the water to the latter subsequent to its passage through said coil.

1,537,843. DIRECTION INDICATOR. JAMES JULIUS MCDERMITT and SAMUEL WALTER PROBST, Renovo, Pa. Filed Jan. 15, 1924. Serial No. 686,341. 1 Claim. (Cl. 116—51.)

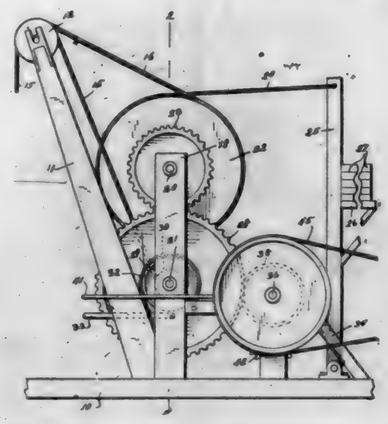


In a device of the class described, a body portion of transparent material and having a chamber therein, illuminating means mounted within the chamber, arms pivotally connected with the body and independent illuminating means therein, each arm including a lateral extension projecting inwardly, operating devices connected with the extensions and movable for raising the arms separately or together, said operating devices including elements relatively slidable in one direction and movable together in the opposite direction.

1,537,844. OIL-WELL RIG. WILLIAM EDMON MCDONALD, Sperry, Okla. Filed May 24, 1924. Serial No. 715,681. 5 Claims. (Cl. 255—9.)

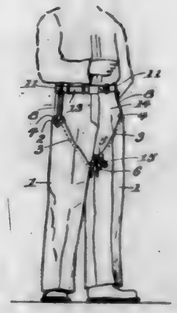
1. In a combined pumping and pulling rig, a shaft, a line pulley mounted for rocking movement thereon, a pair of lines oppositely wound upon the line pulley, a connection between one of said lines and the pump line of the well, a connection between the other of said lines and a counterweight, means for rocking said line pulley

including a drive shaft, means for rotating the drive shaft, a third shaft, a gear mounted upon the third shaft, a gear secured to the line pulley and with which the



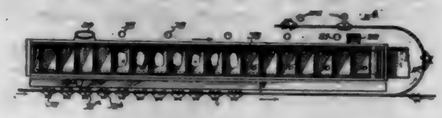
pulley of the third shaft is engageable, and a connection between the drive shaft and the gear of the third shaft for rocking the gear of the third shaft.

1,537,845. ADJUSTABLE WATERPROOF LEGGING. WILLIAM T. MCELWEE, Crestline, Ohio. Filed Mar. 29, 1923. Serial No. 628,597. 2 Claims. (Cl. 36—2.)



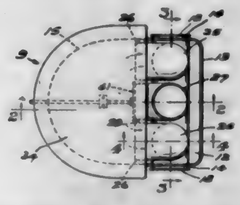
2. Protective leggings of light waterproof material having their sides at the upper portion thereof cut at a downward angle from the outer to the inner seam thereof and the ends thereof notched to provide extensions which are folded upon themselves and stitched to the sides of the legging to provide channeled hems, reinforcing strips secured to the leggings and having looped portions arranged around and secured to the ends of the hems, a supporting member designed for engagement with the waistband or belt of the user of the legging, a draw string guided through the supporting member and having its strands passed through the channeled hems, and the ends of the said draw string designed to be tied and knotted against the inner seam of the legging for holding the legging adjusted on the leg of the user.

1,537,846. VISCERA-INSPECTION TABLE. ALLEN MCKENZIE, Chicago, Ill. Filed July 10, 1919. Serial No. 309,821. 10 Claims. (Cl. 17—43.)



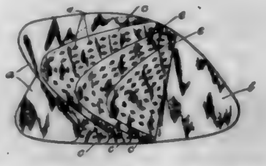
10. A viscera inspection table comprising a series of isolated retaining pans; said pans being of imperforate unitary structure and serially connected together to form an endless conveyor; means to support and drive the conveyor; and means to sterilize said pans prior to reuse.

1,537,847. HEATING APPARATUS. ALBERT C. MACBETH, Seattle, Wash. Filed Oct. 27, 1924. Serial No. 745,986. 2 Claims. (Cl. 126—67.)



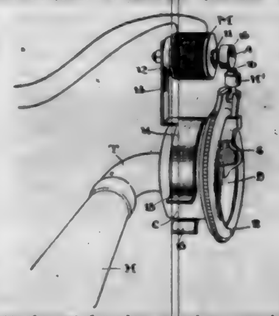
1. The combination with a stove having a combustion chamber, and a smoke pipe, of heating apparatus comprising a vertically disposed casing having open ends, a horizontal manifold provided within the lower portion of the casing and supported thereby, three vertical flues of substantially the same horizontal internal areas arranged in side by side relation and extending upwardly from the manifold, the central flue having its upper end communicatively connected to said smoke pipe, a by-pass pipe communicatively connecting said combustion chamber with the smoke pipe, the other two of said flues having their upper ends communicatively connected directly with the combustion chamber, and a a damper provided for said by-pass pipe to cause the gases from the combustion chamber to enter the smoke pipe selectively through the by-pass pipe or through all of the flues and the manifold.

1,537,848. TOE PUFF, STIFFENER, INSOLE, AND LIKE PARTS FOR BOOTS AND SHOES. DAVID BAIRD MACDONALD, Leicester, England. Filed May 31, 1921. Serial No. 473,636. 5 Claims. (Cl. 154—46.)



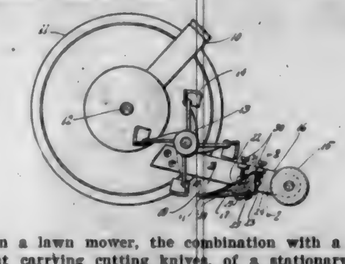
5. Toe-puffs, stiffeners, insoles and like parts for boots and shoes composed of a paper front layer, a paper back layer, a plurality of paper inner layers, and a stiffening agent in solution in a solvent of volatile character interposed between said layers, the inner layers being formed with cells for the purpose of retaining the stiffening agent, and the said front layer being treated with a water soluble colloidal or gelatinous material which serves to prevent evaporation of the water insoluble stiffener solvent, substantially as described.

1,537,849. ATTACHMENT FOR PHONOGRAPHS. WILL J. MADOLE, Atlanta, Ga. Filed Mar. 24, 1922. Serial No. 546,363. 2 Claims. (Cl. 179—100.1.)



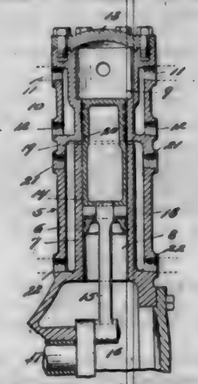
1. An attachment for phonographs, comprising a clamp bracket to grip the casing of a phonograph reproducer, an electro-magnet supported by the bracket, an armature, and a stem extending from the armature for fastening the armature in the needle holder of the reproducer.

1,537,850. LAWN MOWER. MARIUS I. MAGOON, Hammond, Ind. Filed Nov. 5, 1923. Serial No. 672,798. 4 Claims. (Cl. 56—250.)



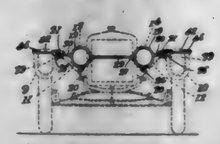
1. In a lawn mower, the combination with a rotary element carrying cutting knives, of a stationary blade having a cutting edge with which said cutting knives cooperate and having a shoulder extending adjacent to said cutting edge and means arranged upon said stationary blade for supplying oil along said shoulder.

1,537,851. AMMONIA COMPRESSOR. WILLIAM P. MAINGAULT, Tacoma, Wash. Filed May 15, 1924. Serial No. 713,523. 1 Claim. (Cl. 230—27.)



An ammonia compressor of the class specified, comprising a body cast in one piece of material without joints and having outside and inside spaced annular walls, the inner wall providing a piston chamber and the space between the two walls providing a deep annular gas-receiving chamber, the inner wall enclosing the piston chamber extending practically the full length of the gas chamber and having at the upper limit of the latter chamber a continuous horizontally disposed narrow slot to produce an unobstructed passage between the interior of the piston chamber and the annular gas chamber, the outside wall having ports at the lower termination of the annular gas chamber for drainage purposes and also similar ports near the top limit of the gas chamber and below the said narrow slot for gas supply, and a piston mounted to reciprocate in the piston chamber and pass over the said narrow slot during its reciprocating operation.

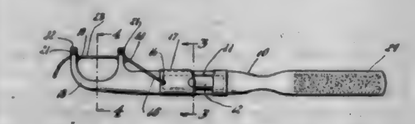
1,537,852. FENDER BRACE. ARTHUR J. MANDRY, New Orleans, La. Filed Dec. 23, 1924. Serial No. 757,719. 3 Claims. (Cl. 280—152.)



1. A fender brace for vehicles comprising companion clamps for fitting against the inner beaded edges of the fenders and aprons, said clamp members having opposed clamp surfaces for conforming to the apron and to fit about the bead of the fender, a clamp bolt fitting loosely through said clamp members and engaged about the outer edge of the fender, means extending transversely of the vehicle for coupling rigidly together the inner clamp members of each pair, and nuts on the clamp bolts fitted against opposite faces of the clamp members for adjusting the same along the bolt.

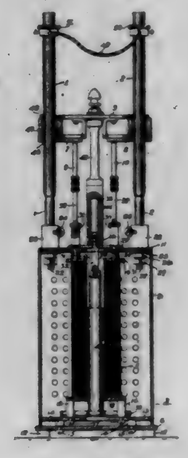
2. In combination with a vehicle having lamp perches, lamp casings thereon, casing fenders and fender aprons, rings split at their bottom portions for fitting about the lamp casings, split pins extending down from the ring, clamps for holding the split pins together and supported on said perches, a rod for connecting the two rings, diagonal arms projecting from the outer sides of said rings, clamp members at the upper, outer ends of said arms, companion clamp members cooperating with the arm clamp members, bolts having hooks to engage the outer edges of the fenders fitted slidingly through said clamp members, said clamp members adapted to engage upon opposite sides of the aprons and inner headed edges of the fenders, and nuts threaded upon said bolts and engaging adjustably against opposite faces of said clamp members.

1,537,853. TOOTH-CLEANING DEVICE. SAUL MASON, Detroit, Mich. Filed Nov. 19, 1923. Serial No. 675,547. 9 Claims. (Cl. 132—84.)



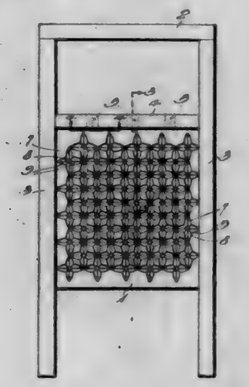
8. A tooth cleaning device including a handle portion having a cavity formed therein, an integral holder including spaced parallel legs having downwardly tapered grooves formed therein, a container mounted in the cavity adapted to receive a coil of dental floss and provided with a slot through which the dental floss is taken to be mounted within the grooves, and a closure member adapted to embrace said handle portion for walling in said cavity.

1,537,854. ARC-LIGHT-CONTROL DEVICE. SVEND M. MEYER and WILLIAM JAMES, Brooklyn, N. Y. Filed Mar. 24, 1921. Serial No. 455,292. 5 Claims. (Cl. 176—59.)



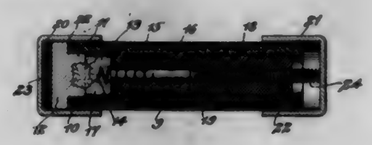
2. An arc controlling device comprising a support, an electrode carrier mounted thereon, a guiding post on the support, a sleeve on the carrier loosely embracing the post and adapted to loosely guide the motion of the carrier, a magnet, and a magnetic core pivotally connected to the carrier.

1,537,855. WASHBOARD. JAMES C. MICHIE, Newport News, Va. Filed June 21, 1923. Serial No. 646,979. 2 Claims. (Cl. 68—29.)



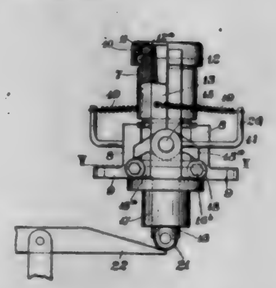
1. A washboard having a clothes rubbing surface provided with a multiplicity of vertically elongated depressions forming pockets, said pockets being decreased in width from their centers toward their opposite ends to dispose the ends of the edges thereof at acute angles with respect to each other, said washboard being provided with unobstructed openings communicating with the centers of said pockets for passage of air and water, said pockets being increased gradually in depth from their ends to said openings and from their side openings to said openings to facilitate the discharge of water through the latter.

1,537,856. CRYSTAL DETECTOR. FREDERICK MICHELS and ADOLPH ERISMAN, New York, N. Y. Filed Sept. 16, 1922. Serial No. 588,589. 5 Claims. (Cl. 250—31.)



1. A crystal detector for radio apparatus comprising a tubular body, a crystal holder extending into one end of said body, an insulated conductor extending through said body, a crystal in said holder, a flexible conducting element connected to said insulated conductor and engaged at one of its ends upon the face of the crystal, a comminuted non-conducting material surrounding the crystal and said flexible conducting element to prevent displacement of the latter, and circuit closing contact members fixed upon the ends of the tubular body.

1,537,857. PARISON MOLD. EDWARD MILLER, Columbus, Ohio. Filed Dec. 31, 1924. Serial No. 759,200. 6 Claims. (Cl. 49—65.)



1. In combination with a parison mold, a neck ring mold composed of sections, levers supporting said sections and fulcrums for said levers extending at right angles to the axis of the parison mold, and means for actuating said levers to open and close said neck ring sections.

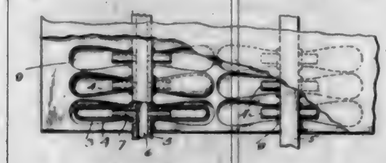
1,537,858. METHOD OF VULCANIZING RUBBER AND THE LIKE. THOMAS W. MILLER, Ashland, Ohio. Filed Nov. 25, 1922. Serial No. 603,847. 1 Claim. (Cl. 18—53.)

The method of vulcanizing rubber and the like, which consists in subjecting a rubber compound, such as rubber, a metallic oxide and sulphur, in a closed chamber while under a vulcanizing heat, to the action of a current of air containing an organic accelerator.

1,537,859. METHOD OF VULCANIZING RUBBER AND THE LIKE. THOMAS W. MILLER, Ashland, Ohio. Filed Dec. 23, 1922. Serial No. 608,751. 4 Claims. (Cl. 18—53.)

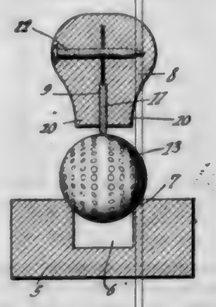
3. The method of vulcanizing rubber compounds, containing rubber, sulphur and an organic accelerator, which consists in dusting or packing the compound in a metallic oxide, and then subjecting the same to a vulcanizing heat.

1,537,860. APPARATUS FOR MAKING HOLLOW RUBBER ARTICLES, SUCH AS NIPPLES, FINGER COTS, BULBS, AND THE LIKE. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Feb. 28, 1924. Serial No. 695,728. 1 Claim. (Cl. 18—6.).



A mold for forming and vulcanizing hollow rubber articles closed at one end, comprising a longitudinally apertured mandrel formed with lateral projections, each adapted to receive thereon the open end of one of the articles to be formed, said projections being apertured to communicate with the aperture in said mandrel and open at their other ends, and complemental mold plates adapted when assembled to enclose said mandrel with the articles thereon disposed in cavities shaped conjointly to the shape of the finished articles.

1,537,861. GOLF-BALL MARKER. JAMES P. MOFFETT, Hartford City, Ind. Filed Aug. 30, 1924. Serial No. 735,128. 1 Claim. (Cl. 101—35.)



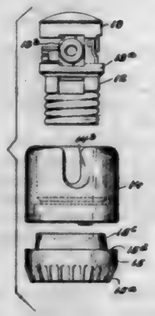
A printing device for printing on spherical bodies comprising a support, a marker comprising a body portion having a slot formed therein, defining opposed jaws, printing members adapted to be positioned between the jaws, and a screw extending through the jaws for moving the jaws into gripping relation with each other.

1,537,862. MEANS FOR SECURING ANTISLIPPING ATTACHMENTS TO VEHICLE WHEELS. ERNEST MORN and FREDERICK RICHARD VAUGHAN TIMBURY, Roma, Queensland, Australia. Filed Feb. 25, 1925. Serial No. 11,502. 4 Claims. (Cl. 152—14.)



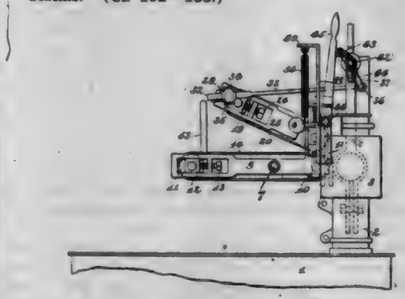
1. Means for securing anti-slipping attachments to vehicle wheels, comprising a rim or felloe bolt formed with an integral locking member and provided with a nut having a hook shaped end.

1,537,863. ELECTRIC RECEPTACLE. HARRY J. MOREY and DON N. THOMPSON, Syracuse, N. Y., assignors to Pass & Seymour, Inc., Solvay, N. Y., a Corporation of New York. Filed Jan. 22, 1920. Serial No. 353,166. 5 Claims. (Cl. 173—339.)



1. The combination with a thin supporting body and an electric lamp socket having an insulating base and a depending externally and internally threaded shell, of a cylindrical insulating sleeve having an open upper end thru which the lamp socket may be introduced, a support for said base on said sleeve, said base being adapted to close the open upper end of said sleeve, and a threaded ring of insulating material adapted to screw on said shell to hold said socket in position in said sleeve and to clamp said thin supporting body against said sleeve to support the socket and sleeve.

1,537,864. SAFETY FEED AND AUTOMATIC STOP FOR WRINGERS. HENRY LOUIS MORIN, Springfield, Mass. Filed Apr. 9, 1924. Serial No. 705,290. 8 Claims. (Cl. 192—133.)



1. The combination with a power driven clothes wringer having a power disconnecting member, of an automatic feed and automatic stop, said automatic feed and stop comprising a pair of feed members for feeding clothes to the rollers of the wringer, one of said feed members being swingable, and means for operatively connecting said swingable feed member with said power disconnecting member whereby when it is swung to a given position, said power disconnecting member will be thrown out of operation.

1,537,865. METHOD OF MAKING PATCHES FOR RUBBER GOODS. HAROLD A. MORTON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 4, 1924. Serial No. 717,897. 2 Claims. (Cl. 18—53.)

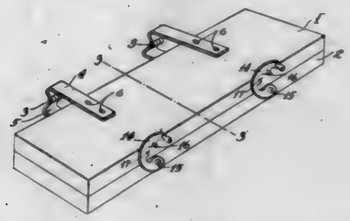
2. The hereindescribed method of forming a sheet of patching material, which comprises providing two separate sheets of rubber compound, one containing sulphur

and an organic accelerator which is rendered more active in the presence of zinc but no zinc activator, and the other containing rubber and a non-migratory zinc activator, superimposing said sheets one on the other and subjecting the same to a temperature which will cure the zinc containing layer, while leaving the other layer unvulcanized.

1,537,866. PROCESS OF MANUFACTURE OF SHEET RUBBER. HAROLD A. MORTON, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 4, 1924. Serial No. 717,898. 5 Claims. (Cl. 18—53.)

1. The process of making an article of vulcanized rubber, which consists in producing two stocks, one containing rubber, sulphur and a migratory zinc-activated accelerator but no zinc activator, and the other rubber and a migratory zinc compound, juxtaposing said stocks, and subjecting the same to vulcanizing temperature.

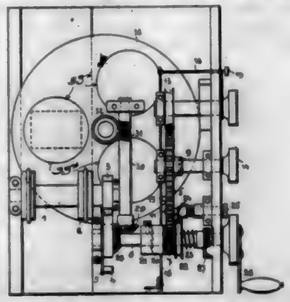
1,537,867. TIE PRESS. SOLOMON MOSSBACHER, New York, N. Y. Filed Mar. 17, 1924. Serial No. 699,666. 1 Claim. (Cl. 100—57.)



A tie press embodying two strips hinged together by hinges, the leaves of which are of resilient material and are relatively long, means for securing the free end portions of each leaf to one of the strips, so as to leave a relatively long portion of the leaf unattachably extending between the hinge pivot and the adjacent edge of the strip, and which unattached portion is bent to bring that portion of each leaf adjacent the hinge pivot into angular relation to the remaining portion of the leaf, whereby said extending portions of the leaves embody sufficient resiliency to permit parallelism between the strips while said strips are at different distances apart in order to compensate for ties of different thicknesses, and the angularly disposed portions of the leaves serving also to maintain a predetermined angular relation between the strips when the press is in open position, and means associated with the corresponding free edges of said strips and adapted to cooperate to draw the strips into parallelism and simultaneously place the hinge leaves under tension when the tie is positioned between said strips.

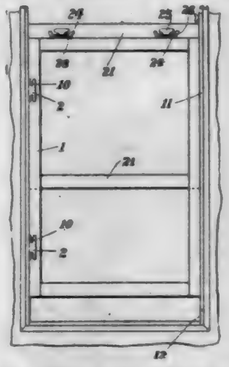
1,537,868. APPARATUS FOR TAKING THE COLOR-COMPONENT NEGATIVES FOR MULTICOLOR PHOTOGRAPHY. JOSEF MRÓZ, Vienna, Austria. Filed Feb. 25, 1922. Serial No. 539,163. 4 Claims. (Cl. 95—2.)

1. In an apparatus for taking the color-component negatives for multi-color photography the combination of a mechanism for intermittently moving a film on the back of an objective, a toothed sector engaging with a toothed wheel driving the said mechanism, a spring connected to the said toothed sector, tending to rotate it in such a direction so as to drive the film forwards, a click engaging with a stop of the toothed sector in its position under tension, means for disengaging this click, a device for stopping the toothed sector after its automatic movement which has caused the film driving mechanism to bring the required number of film sections in coincidence with the objective, a movable carrier of light-filters and a mechanism for automatically bringing these



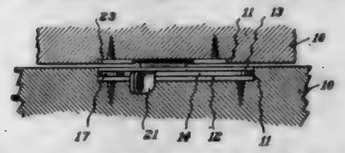
filters successively in coincidence with the objective in the same measure of time as the film sections come in coincidence with the objective.

1,537,869. WINDOW FITTING. HUGH DOUGLAS MURRAY, Glasgow, Scotland. Filed Sept. 22, 1924. Serial No. 739,131. 3 Claims. (Cl. 20—46.)



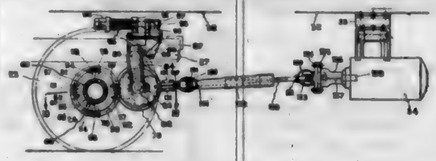
1. A fitting for sliding sash windows arranged to open inwardly comprising a bracket adapted to connect the two sashes together, said bracket having slots, at least one of which extends vertically and horizontally across the bracket, means adapted to be fixed to one sash for engaging one of said slots to detachably secure the bracket on said sash, and a stud adapted to be fixed on the other sash and to engage in said vertically and horizontally extending slot to detachably mount the bracket on said sash, said slot allowing a limited amount of relative movement between the stud and bracket so as to permit one sash to move relatively to the other sash.

1,537,870. CASKET TOP AND PANEL FASTENER. JOHN R. NESTER, Boyertown, Pa. Filed June 18, 1923. Serial No. 646,169. 5 Claims. (Cl. 292—304.)



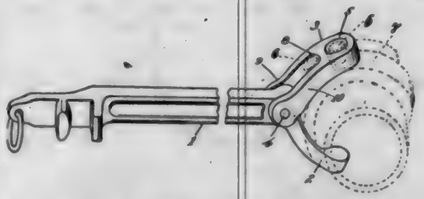
1. In a device of the class described, the combination of a bottom plate formed with a boss, an upper plate, and a locking latch pivoted therebetween at the end of the plates opposite the said boss.

1,537,871. TRANSMISSION GEAR. WILLIAM A. NEWMAN, Montreal, Quebec, Canada. Filed Apr. 7, 1921. Serial No. 459,505. 27 Claims. (Cl. 105—109.)



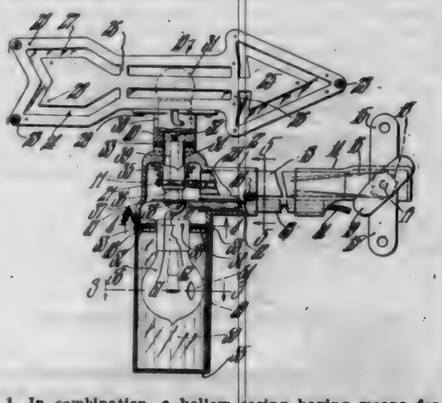
1. In the transmission of power the combination with a driven axle and a member mounted thereon and adapted to transmit rotation, a part to be driven, the angular position whereof relatively to the axle is variable, of transmission mechanism consisting of a floating member in operative relation with the member upon the axle, means including universal rotative connections between the floating member and part to be driven, and means yieldingly maintaining the floating member in the rotative relation with the member upon the axle.

1,537,872. SPANNER FOR HOSE COUPLINGS. CHARLES NUHRING, Cincinnati, Ohio. Filed Oct. 27, 1923. Serial No. 671,260. 4 Claims. (Cl. 81—90.)



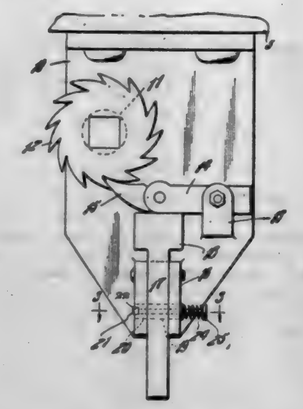
1. A spanner for hose couplings, comprising a bar, an arm angularly disposed with respect to said bar, a second arm, said second arm being bifurcated at one end so as to admit said bar, and means for pivotally securing the forks of said second arm to said bar, the crotch between said forks being adapted to engage the pin of a hose coupling.

1,537,873. SAFETY EQUIPMENT FOR AUTOMOBILES. RAY E. PARMENTER, Longmeadow, Mass. Filed Dec. 27, 1921. Serial No. 525,026. 3 Claims. (Cl. 116—46.)



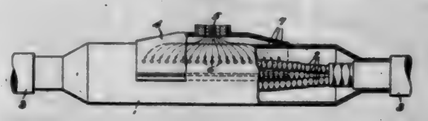
1. In combination, a hollow casing having means for attaching it to a vehicle, a hollow arm extending outwardly from said casing, a second hollow casing carried by said arm, a shaft rotatably mounted in each of said casings, a sprocket wheel on each shaft within its casing, a rotatable member mounted on the shaft in the second casing and located outside the latter, manually operable means for rotating the shaft in the first casing, and an endless flexible member extending through said hollow arm, and connecting said sprockets, one of said casings being longitudinally adjustable on said arm to tension said endless member.

1,537,874. LOCK. FRANK PETROSKY, Republic, Pa. Filed Nov. 12, 1924. Serial No. 749,488. 4 Claims. (Cl. 74—10.)



2. The combination with a shaft provided with a ratchet wheel, a member pivotally mounted adjacent the ratchet wheel, a pawl pivoted to the pivoted member, a latch element pivotally mounted below the pivoted member and provided with a head adapted to underlie the pivoted member and the pawl for holding the same against pivotal movement, and means to hold the pivoted latch member against movement.

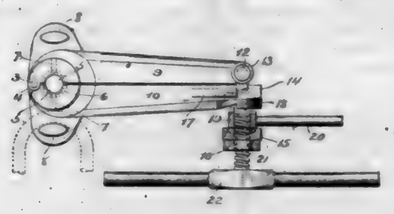
1,537,875. CABLE SLEEVE. WILHELM PFANNKUCH, Berlin, Germany, assignor to General Electric Company, a Corporation of New York. Filed Dec. 18, 1922. Serial No. 607,584. 4 Claims. (Cl. 173—268.)



1. A sleeve for sheathed electric cables comprising a tubular shell provided in its side walls with pouring holes, an auxiliary shell secured to the top portion of said tubular shell to enclose said pouring holes and form with said tubular shell a distributing reservoir for filling material, and a pouring entrance in said auxiliary shell.

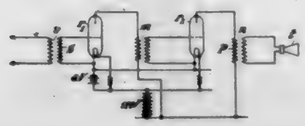
4. In combination, jointed sheathed cables, a shell which surrounds the joint and also the adjacent ends of the cables, and is provided with pouring holes, located below the top thereof, a second shell which surrounds the first and is sealed at its ends, said shells defining between them a reservoir for insulating material, and a pouring entrance in said second shell.

1,537,876. CLAMP. LEWIS PIRDUN, Tulsa, Okla. Filed May 22, 1924. Serial No. 715,151. 5 Claims. (Cl. 24—135.)



2. In a cable clamp, a pair of pivotally connected jaws, elements pivotally mounted at one jaw to extend across the other jaw, means carried by said elements to effect an initial clamping movement of the jaws, and other means carried by said elements to effect final clamping movement of the jaws.

1,537,877. PROTECTIVE CONNECTION FOR AMPLIFIER SYSTEMS. BRUNO GERHARD POHLMANN, Siemensstadt, near Berlin, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a German Corporation. Filed Oct. 26, 1920. Serial No. 419,781. 3 Claims. (Cl. 179—171.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



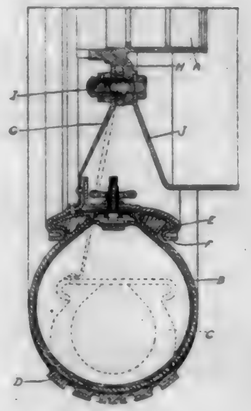
1. An amplifying system comprising amplifying tubes, transformers for connecting said tubes in cascade, two batteries, one battery feeding the heating circuit and the other feeding the anode circuit, and having a common pole, which is grounded, both batteries being suitably associated with said tubes, in combination with connections inserted between the primary windings of said transformers and the non-grounded pole of the said second named battery and other connections between the secondary windings of said transformers and said common grounded poles of the batteries of the system, the input and output transformers connected to the system, the primary and secondary windings of said input and the output transformers being connected to the grounded common poles of said batteries.

1,537,878. SYRINGE. LEWIS E. POIRIER, Cleveland, Ohio. Filed Jan. 16, 1922. Serial No. 529,620. 4 Claims. (Cl. 128—244.)



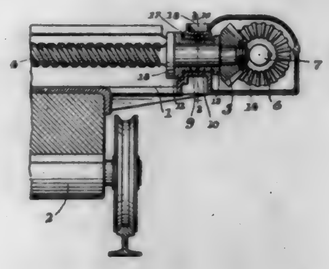
1. A syringe comprising a liquid-conveying tube, having discharging apertures adjacent one end, a plurality of links pivotally attached to said tube beyond said discharging apertures, arms pivotally attached to the outer ends of said links, a sleeve freely slidably movable on said tube, said arms being pivotally connected to said sleeve, whereby movement thereof will cause outward movement of said arms, and said tube being provided with apertures arranged between said arms.

1,537,879. PNEUMATIC-TREADED VEHICLE WHEEL. ALDEN L. PUTNAM, Detroit, Mich., assignor to Detroit Pressed Steel Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 13, 1920. Serial No. 403,192. 3 Claims. (Cl. 152—13.)



1. A pneumatic tire of normally circular cross-section and designed to carry a predetermined normal load at a substantially reduced inflation pressure, modified from standard practice for the same load by a substantial increase in cross-sectional area and a substantial decrease in ratio of wall thickness to cross-sectional diameter.

1,537,880. SAWMILL CARRIAGE. JOSEPH S. REID, Olean, N. Y., assignor to Clark Brothers Company, Olean, N. Y., a Corporation of New York. Filed Nov. 9, 1922. Serial No. 599,854. 4 Claims. (Cl. 64—10.)



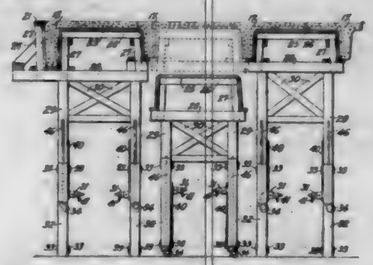
1. The combination of a base, a bearing, rotatable nuts adapted to be moved longitudinally of the bearing when rotated, a shaft received in the nuts, said nuts having complementary radial notches therein, and means adapted to be received in the notches for holding the nuts together in their adjusted position.

1,537,881. LOOM ATTACHMENT. ROGER N. REYNOLDS and THOMAS F. DOUGHERTY, Atlanta, Ga. Filed June 7, 1924. Serial No. 718,550. 4 Claims. (Cl. 139—68.)



1. A harness strap for looms comprising a member adapted to connect with the harness, an inner tapering clamp member associated therewith, an outer tapering clamp member sliding relatively to the first mentioned member, a strap received between the two members and clamped thereby, and cam means for forcing the two members upon said strap.

1,537,882. MOVABLE FORM FOR CONCRETE WORK. OWEN HAWORTH ROBERTS, Spartanburg, S. C. Filed Oct. 1, 1924. Serial No. 740,993. 7 Claims. (Cl. 25—131.5.)



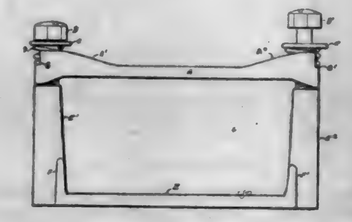
1. A plastic form comprising a supporting frame, a form on said frame, means for bracing the frame against swaying motion, spaced legs carrying said frame, casters secured to the lower ends of said legs, extension legs slidably receiving portions of the legs of said frame therein, interengageable means on the adjacent portions of said first legs and said extension legs whereby to prevent relative lateral movement between the same, and adjusting means carried on said extension legs engageable with portions of said first legs whereby to effect raising and lowering of the frame.

1,537,883. HANDLE FOR VARIOUS INSTRUMENTS. OLIVIERI ROCCO, Buffalo, N. Y. Filed Feb. 2, 1924. Serial No. 690,288. 1 Claim. (Cl. 300—1.)



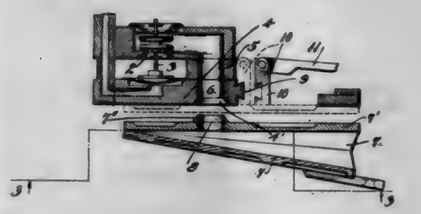
A device of class described comprising a handle, a ferrule connected therewith and having a rectangular shaped end to engage a correspondingly shaped tool socket and means to receive a pin for detachably connecting the socketed tool with the ferrule, said ferrule also having a transversely arranged hole cooperating with said means and pin to alternately engage and secure a shanked tool.

1,537,884. CLAMP FOR DENTAL FLASKS. WILLIAM M. ROMINE and WALTER J. CLARK, Wichita, Kans. Filed July 7, 1923. Serial No. 650,180. 3 Claims. (Cl. 18—33.)



2. A dental flask clamping press, consisting of two diamond shaped plates, one of which, having an upright hollow standard, of equal length on each end of the plate, the interior of each standard being threaded its full length, the other plate being provided with openings, one in each end of the plate, adapted to receive a bolt, and seat a coil spring, a bolt having threads its full length, said bolt being adapted to pass through the coil spring, and screw into the standards on the lower plate, all substantially as shown and described.

1,537,885. ACTION MECHANISM FOR PIANOS AND LIKE INSTRUMENTS. JOHN T. RYDBERG, Harrison, N. J., assignor, by direct and mesne assignments, to Supreme Player Action Corporation, a Corporation of New Jersey. Filed Mar. 11, 1924. Serial No. 698,440. 9 Claims. (Cl. 84—65.)



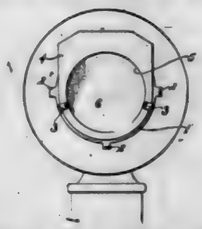
1. In a piano action, a support, hammer actuating instrumentalities, and means adjustably connecting said instrumentalities to the support which are adapted to be fixed to accord with a particular scale.

5. A pneumatic player action unit including a pouch board, finger flanges slidably mounted on said pouch board, and pneumatics angularly adjustable with relation to the pouch board to accord with the adjustment of the finger flanges.

1,537,886. TELEPHONE-MOUTHPIECE ATTACHMENT. GUSTAV H. SACKL, Milwaukee, Wis. Filed Dec. 22, 1923. Serial No. 682,251. 1 Claim. (Cl. 179—185.)

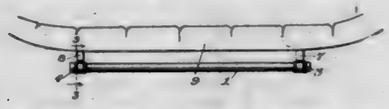
A device of the class described comprising a ring-shaped member having spring clips thereon for engaging the mouth piece of a telephone, holding clips on

the outer part of the ring-shaped member, a frame adapted to be held to the ring-shaped member by the holding clips and a cover sheet supported by the frame, said



frame consisting of a sheet folded upon itself and provided with a pair of registering openings, the cover sheet being arranged between the two parts of the folded sheet.

1,537,887. BLANKET HOLDER AND FIRE EXTINGUISHER. GEORGE COLLINS SAVAGE, Glastonbury, Conn. Filed Feb. 6, 1924. Serial No. 691,080. 2 Claims. (Cl. 169—2.)



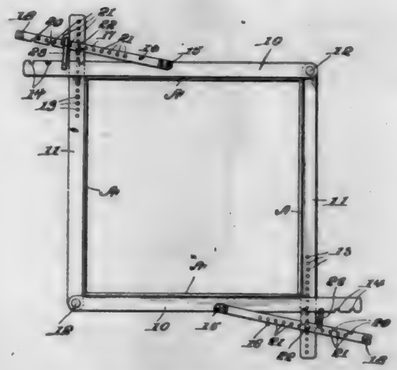
1. In combination, spring-clip bracket plates, a tube, removable caps on the ends of said tube, each of said caps having a pair of spaced ribs thereon, the ends of said clips adapted to embrace the caps between said ribs to detachably support the tube therefrom, and fire extinguishing means contained within the tube.

1,537,888. SPECIFIC-GRAVITY TESTER. OSCAR O. R. SCHWIDETZKY, Hasbrouck Heights, N. J., assignor to Becton, Dickinson & Co., Rutherford, N. J., a Corporation of New Jersey. Filed Apr. 23, 1923. Serial No. 634,074. 5 Claims. (Cl. 265—45.)



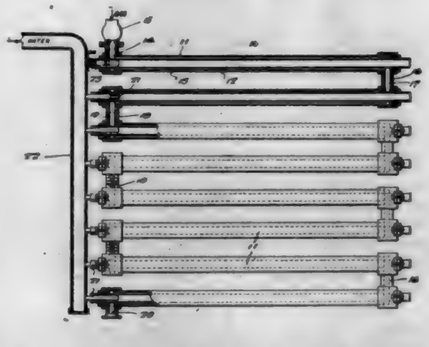
1. A specific gravity tester, comprising a glass container, formed with a plurality of integral spaced annular inwardly extending portions presenting edges, and a hydrometer arranged in the container adapted to be guided by said edges, said edges being so positioned that the hydrometer will be continually engaged by two of the edges.

1,537,889. COLUMN-FORM CLAMP. CHARLES A. SECKINGER, Kansas City, Kans. Filed Aug. 9, 1924. Serial No. 731,196. 3 Claims. (Cl. 144—291.)



1. A form clamp comprising pairs of bars, the bars of each pair being pivotally connected and the pairs being disposable upon a form with said pivot points at diagonally opposite edges of the form, the free end of one bar of each pair being formed with a series of holes, the outer edge of the other bar of each pair being formed with notches, and abutment arms pivotally mounted upon the other bars of each pair and having their edges notched opposite said first named notches, said abutment arms being formed with a series of holes adapted to be selectively registered with said first named holes for the passage of a securing element, and wedges disposable between opposed ones of said notches.

1,537,890. AMMONIA CONDENSER. SAMUEL CLAYTON SEITZ, Towson, Md. Filed Aug. 25, 1923. Serial No. 659,375. 1 Claim. (Cl. 257—37.)



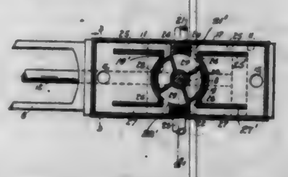
In a condenser, a coil formed of a plurality of spaced horizontal pipe sections, hollow fittings connecting the alternate ends of the sections, an inner pipe extending throughout each section and through said fittings, said inner pipe being spaced from the first mentioned pipe to provide a circulating passage which includes the hollow fittings and said inner pipe being open at each end, a header located at one end of the pipes and nozzles extending from the header into the ends of and spaced from the inner walls of said inner pipes, whereby water under pressure may be forced through the pipes to draw air through said pipes and provide a combined water and air cooling agent.

1,537,891. CALENDAR. HUGH E. SHEDD, Minneapolis, Minn. Filed Oct. 30, 1924. Serial No. 746,871. 1 Claim. (Cl. 283—2.)



A calendar sheet having clearly defined date spaces, each bearing a particular date number, each of said spaces with the exception of the date number being wholly colored in accordance with a particular color for indicating a weather forecast for that date, the colorings of the weather forecast indications being sharply and distinctively defined over the coloring of the date numbers to thereby permit the weather forecast indication to be determined at any distance from the calendar which permits the date number to be read, the weather forecast colorings of each of the date spaces permitting such colors of adjacent date spaces to merge one into the other in the event of similar weather forecasts or to be sharply defined relative to each other in the event of different weather forecasts.

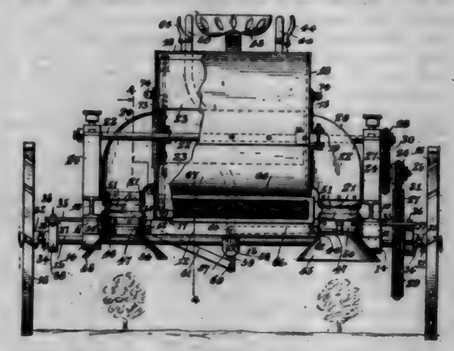
1,537,892. STEAM ENGINE. ANTHONY T. SMITH, Kansas City, Mo. Filed Apr. 18, 1922. Serial No. 554,816. 1 Claim. (Cl. 121—186.)



A steam engine comprising a cylinder having on one side at opposite ends a port, a casing opening into said ports and having aligning inwardly extending supply and exhaust nipples respectively at the top and bottom thereof, spaced vertical partitions within said casing and having curved portions coacting with the inner ends of the nipples to form a circular valve chamber, said nipples in connection with said partitions providing a pair of inlet and a pair of outlet ports, means extended from the upper and lower ends of said partitions and forming in connection with the top and bottom of the casing respectively a pair of oppositely disposed supply passages leading from said inlet ports and a pair of oppositely disposed exhaust passages leading to said exhaust ports, and a shiftable valve bearing against the wall of said chamber and having diametrically disposed pockets for alternately opening said inlet ports and said exhaust ports.

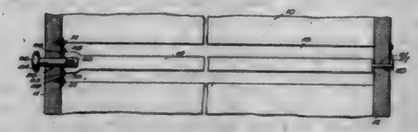
1,537,893. INSECT DESTROYER. EUGENE A. SMITH, La Fayette, Ga. Filed May 28, 1924. Serial No. 715,373. 3 Claims. (Cl. 43—140.)

2. In an apparatus of the class described, a supporting frame, a fan device mounted on said frame and including a downwardly directed intake trunk, a flexible tubular member attached to the intake end of the trunk, a coupling member attached to the lower end of said flexible member and having a socket element, a flaring intake device including a lateral flange adapted to detachably engage the socket of the coupling member and with its



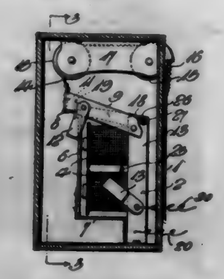
forward portion cut away to enable the intake device to receive the tops of the plants and bend them downwardly as they pass thereover, and means for laterally adjusting said coupling member and the flaring intake carried thereby.

1,537,894. RETAINING DEVICE FOR FILING CABINETS. FRANK C. SMITH, Tampa, Fla. Filed Sept. 29, 1923. Serial No. 665,712. 6 Claims. (Cl. 129—16.)



6. A retaining means for the contents of filing receptacles consisting of a member mounted therein for longitudinal and rotary movements, stationary means capable of being engaged by said member to prevent rotary movement of said member, and means for normally effecting longitudinal movement of said member to engage the same with the first-mentioned means.

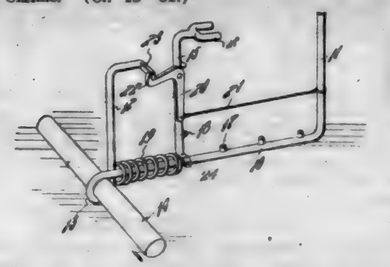
1,537,895. BURGLAR ALARM. JOHN D. SMITH, Marysville, Calif. Filed Sept. 1, 1921. Serial No. 497,525. 1 Claim. (Cl. 200—106.)



A circuit maker and breaker for primary and auxiliary circuits comprising a support, an electro-magnet carried by said support and insulated therefrom, a latch forming armature yieldably mounted in operative relation to said magnet and moved out of its normal position when the electro-magnet is energized, an arm of conducting material connected with said support and insulated therefrom, the winding of the electro-magnet having one end thereof connected with said arm and its other end adapted for

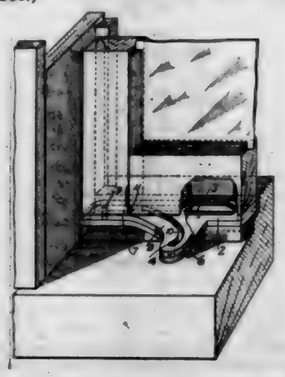
connection with one side of a source of energy, a contact carried by said support in insulated relation thereto and adapted for connection with a lead wire of an auxiliary circuit, and a swinging arm of conducting material pivotally connected with said support in insulated relation thereto and adapted for connection with a lead wire from the other side of the source of energy, said swinging arm being held in an open position and in engagement with the first mentioned arm by said armature until the electro-magnet is energized and draws the armature out of its normal position, the swinging arm then having movement into engagement with said contact to close the auxiliary circuit.

1,537,896. ANIMAL TRAP. WALTER STANCHFIELD, Austin, Pa. Filed June 2, 1924. Serial No. 717,367. 4 Claims. (Cl. 43—81.)



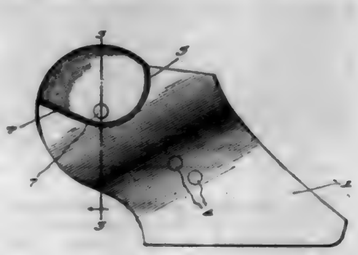
1. A trap of the character described comprising a base, a vertical member rising from one end of the base, a movable jaw including a shank pivoted on said base and normally arranged vertically in parallelism with said member, said jaw projecting at a right angle from said shank and designed to straddle the base when said jaw assumes its active position, lugs rising from said base, similar lugs carried by said shank and arranged in staggered relation with the first mentioned lugs, means for holding said shank in its normal position, a flexible element terminally connected with said means and with said vertical member, and adapted to effect a release of said shank when the body of the animal is brought into contact with said element, and means for forcibly moving said shank to its active position when released.

1,537,897. HINGE. WARREN E. STEELE, San Francisco, Calif., assignor to May C. Steele, San Francisco, Calif. Filed Sept. 19, 1922. Serial No. 589,222. 4 Claims. (Cl. 16—166.)



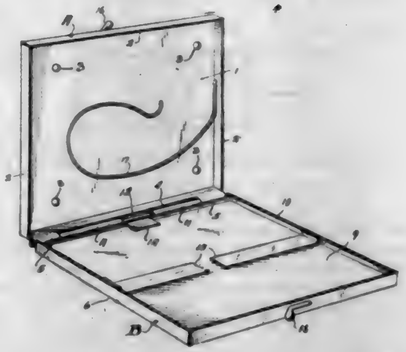
4. A hinge comprising a pair of similar plates, each formed with a similar lateral extension, one plate having a longitudinal slot extending substantially the entire length of the body thereof, a pin fixed in the extension, the other plate having a curved slot extending substantially the entire length of the extension thereof and engaging said pin, and a pin fixed in said other plate and engaging said first-named slot.

1,537,898. MOLDBOARD. ALBERT STONE, Clarksville, Mo. Filed Nov. 2, 1923. Serial No. 672,418. 1 Claim. (Cl. 97—121.)



In a plow construction, a mold board having its upper rear corner notched to provide a lower angle edge which merges into an upwardly directed inwardly rounded edge, both of said edges being sharpened, an angle bracket secured to the rear face of the mold board and projecting into the notch, and a disk cutter pivotally secured to the bracket, and covering the notch of the mold board, as and for the purpose set forth.

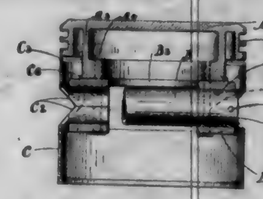
1,537,899. HOLDER. CLENDENON L. STUBBS, Huntington Park, Calif. Filed June 17, 1924. Serial No. 720,660. 4 Claims. (Cl. 40—10.)



3. A holder of the class described comprising a box body part and a cover part, both of said parts having marginal flanges in overlapping relation when the cover part is applied to the box body part, said cover part being provided with an opening, a transparent sheet within the cover part and disposed over said opening, a backing sheet overlying the transparent sheet, spring arms arranged within the cover part for holding the sheets in applied position.

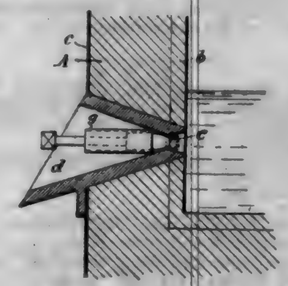
1,537,900. PISTON. ERNEST TALBOT, Lowestoft, England. Filed Apr. 16, 1923. Serial No. 632,511. 8 Claims. (Cl. 74—108.)

1. In a piston for a fluid pressure engine, the combination of a head carrying packing rings, a reduced portion constituting a neck extending from the crown of said head and integral therewith, a skirt directly



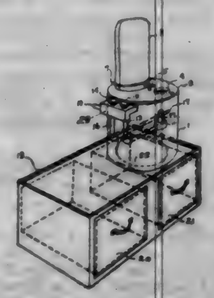
attached to said neck, and a divided bearing for the reception of a piston pin wholly carried by said skirt, substantially as set forth.

1,537,901. DEVICE FOR PLUGGING SMELTING FURNACES. FILIP THARALDSEN, Bestum, near Christiania, Norway. Filed May 29, 1923. Serial No. 642,320. 5 Claims. (Cl. 266—42.)



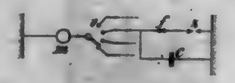
1. The method of sealing tap holes of smelting and like furnaces which comprises embedding a rigid core in a plastic material and introducing the core and plastic material simultaneously into a tap hole.

1,537,902. SPARK-PLUG CLEANER. KENNETH F. TAGGS, Huntington, Ind. Filed Mar. 3, 1924. Serial No. 696,622. 4 Claims. (Cl. 51—8.)



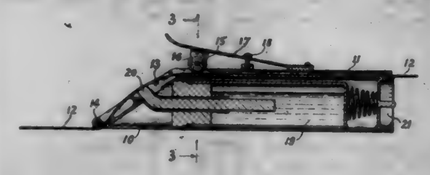
4. A casing comprising means for supporting the spark plug in position to be cleaned, a nozzle beneath said supporting means, means for admitting compressed air and sand to the nozzle, and an independent air jet in said casing, substantially as set forth.

1,537,903. CONNECTION FOR THE IGNITION OF EXPLOSION MOTORS. ROBERT VON LAPPEL, Berlin-Wilmersdorf, Germany. Filed Sept. 30, 1922. Serial No. 591,555. 5 Claims. (Cl. 123—148.)



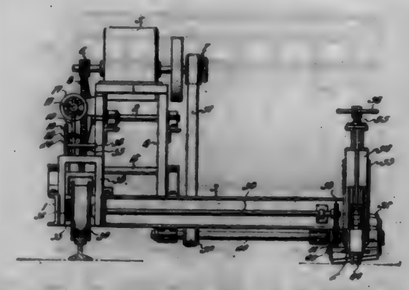
3. An ignition circuit comprising a source of electric energy; an electric capacity connected across said source of energy; a quenched spark gap connected in series with said source of energy; a distributor in series with said source of energy and said gap; and a spark plug in series with said distributor, said gap and said source.

1,537,904. TAPE-PASTING DEVICE. CHRISTOPHER JAMES WALBRAN, Brooklyn, N. Y., assignor to Kleinschmidt Electric Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed June 28, 1922. Serial No. 571,879. 9 Claims. (Cl. 216—33.)



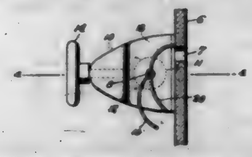
1. In combination, a casing having an inclined end, a channel on said casing for receiving and guiding material to be moistened, a spring-pressed roller at one end of said channel and at the top of the incline of said casing, a pressure roller at the base of the incline of said casing, a container for liquid in said casing, an absorbent member extending into said container and adapted to apply liquid from said container to the lower side of the material to be moistened, and a closing cap at the other end of said casing, having a spring to apply pressure to the adjacent end of said container.

1,537,905. ADZING MACHINE. J WILLIAM WARREN, Kansas City, Mo. Filed Dec. 15, 1922. Serial No. 607,142. 2 Claims. (Cl. 144—138.)



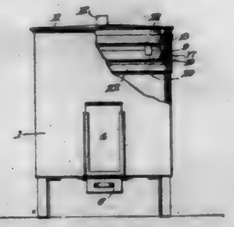
1. An apparatus of the class described comprising a supporting frame, flanged wheels at the front thereof, means for adjusting the same vertically, endless tread chains at the rear thereof, supporting means for the chains, a motor, means for connecting the motor with the wheels and chain supporting means, an adzing tool and means for driving the same from the motor.

1,537,906. FLY REJECTOR FOR WINDOWS. CHARLES WEBB, Fort Myer, Va. Filed Aug. 23, 1924. Serial No. 733,851. 6 Claims. (Cl. 156—37.)



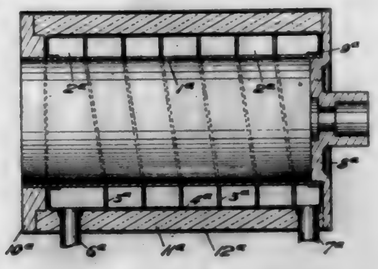
5. In a device of the kind described, a window having an opening, a rod supported inwardly of the pane, and slightly below the opening, upper fingers extending from said rod and toward the window pane above the opening, a second set of fingers extending downwardly from the rod and toward the window, but being spaced therefrom, and a third set of fingers also extending downwardly from said rod and inwardly of said second set of fingers, said third set of fingers being also spaced from the window.

1,537,907. FRUIT-DRYING DEVICE. CLARENCE W. WELLS, Cherryville, N. C. Filed July 22, 1922. Serial No. 576,828. 4 Claims. (Cl. 34—22.)



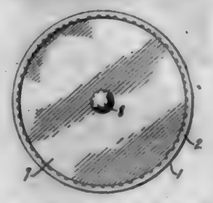
1. An apparatus of the class described comprising a furnace having an open top, a pan having a flange at its top for engaging the edge of the furnace with the pan fitting in the upper part of the furnace, said furnace having an opening therein and the pan also having an opening therein in alignment with the first opening, a cover plate for closing the opening in the furnace and a cover for covering the pan.

1,537,908. HEATING AND COOLING APPARATUS. JOSEPH WILLMANN, Derby, Conn. Filed Apr. 18, 1922. Serial No. 554,586. 2 Claims. (Cl. 257—212.)



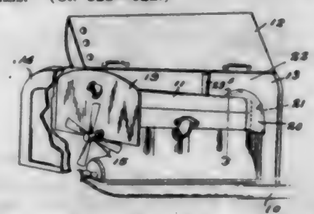
2. In apparatus for the interchange of heat, the combination of a fluid-tight unitary jacket structure comprising a cylinder to contain a substance to be heated or cooled, a relatively flat convoluted wall having its inner circumferential edge presented to and united with the wall of the cylinder and an enclosing wall lying in substantial parallelism with the cylinder wall and bridging the convoluted channels formed between the convolutions of the wall first-mentioned, the ends of the enclosing wall being joined to the respective peripheral end portions of the cylinder, thus forming direct fluid-tight closures for the ends of the jacket, and heads connected to the ends of the cylinder independently of the enclosing wall of the jacket.

1,537,909. HEADLIGHT. HERMAN M. WOLTER, San Francisco, Calif. Filed Dec. 4, 1922. Serial No. 604,853. 1 Claim. (Cl. 240—48.4)



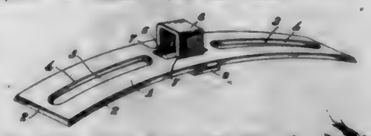
A lens for the head-light of a motor vehicle comprising a transparent disc having a central bulb formed integral therewith and filled with a colored liquid adapted to absorb certain constituents of the light rays passing therethrough for eliminating the glare of the headlight and for indicating to an observer the position of the headlight on the motor vehicle.

1,537,910. APPARATUS FOR SUPPLYING HEATED AIR TO CARBURETORS. WAYNE C. WRIGHT, Port Lavaca, Tex. Filed July 15, 1921. Serial No. 484,961. 2 Claims. (Cl. 123—122.)



1. In a motor vehicle, a hood structure, a transverse partition element at the rear end of the hood, a transverse forward partition under the hood whereby a chamber is formed, a motor mounted at the bottom of the chamber and with its upper part only included within the chamber space so that air can enter the chamber around the motor, and a charge forming device associated with the motor having air supply means arranged to inspire at the extreme upper part of the chamber air heated by and rising from around the motor.

1,537,911. BRAKE SHOE. OTTO B. WUNSCHOW, Chattanooga, Tenn. Filed Dec. 31, 1923. Serial No. 683,675. 4 Claims. (Cl. 188—258.)



3. In a brake shoe, the combination of a reinforcing plate having a longitudinal slot, a hanger lug loop extending through the slot, a brake shoe body bonded with the plate and a brake shoe lug embedding parts of the loop, the slot being of greater length than the width of the material of the loop and of less length than the width of the lug, the material of the body of the shoe extending into the loop beyond the plane of the back face of the body and forming an integral part of the lug.

1,537,912. WOVEN TUBULAR FABRIC AND METHOD OF MAKING THE SAME. LOUIS A. AUMANN, Chicopee, Mass. Filed Mar. 16, 1922. Serial No. 544,327. 2 Claims. (Cl. 139—387.)



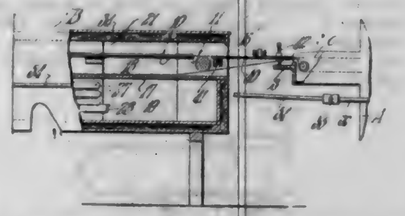
1. A new fabric product comprising a transversely endless and longitudinally continuous tube of indefinite length provided along each of two diametrically opposite longitudinal lines with an integral woven tape portion of single thickness corresponding in the fabric of the tube and extending continuously throughout the length of the tube, said tape portion including not more than one half of the same weft threads as the tube.

1,537,913. PIANOFORTE AGRAFFE. WILLIAM M. BAUER, Chicago, Ill. Filed Oct. 28, 1922. Serial No. 596,290. 4 Claims. (Cl. 84—212.)



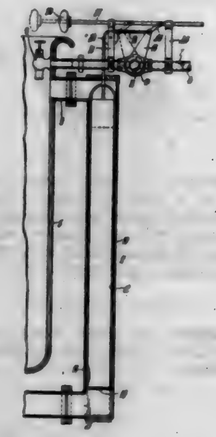
4. A built-up agraffe comprising a series of separately formed members of vulcanite fiber, threaded pins extending transversely through the series and rigidly securing the members together in spaced relation, said agraffe having opposite-end bearings and an intermediate bearing, and forward and rear anchoring studs provided with flattened heads surrounding said pins between adjacent members.

1,537,914. DELIVERY APPARATUS FOR CONFECTIONERY MACHINES. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 10, 1922. Serial No. 600,161. 7 Claims. (Cl. 198—102.)



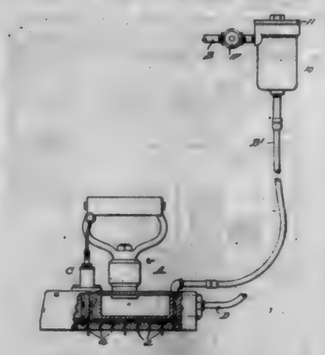
1. In combination, a frame having laterally spaced upright side walls, a table disposed between said walls and pivotally supported at one end, means carried by said frame for supporting the other end of said table in a manner such that the latter may be swung upwardly on its pivotal support when desired, a belt travelling over said table from the first named to the last named end and returning closely adjacent the lower face thereof, and a second conveying means having a part located beneath said table and accessible by swinging the table upwardly.

1,537,915. AUTOMATIC SHUT-OFF. SARAH L. BELL, Cambridge, Mass. Filed Sept. 4, 1924. Serial No. 735,841. 5 Claims. (Cl. 4—205.)



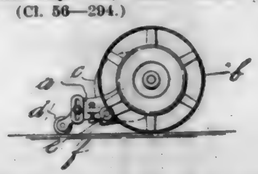
1. In combination, a liquid container, an inlet pipe for said container, a valve for said inlet pipe, a discharge pipe for said container, a gravity actuated member located within said discharge pipe and operatively connected to said valve and adapted to close the latter, a push rod to manually operate said valve and gravity member, and guides in which said push rod is slidably mounted.

1,537,916. PRESSING AND STARCHING IMPLEMENT. LOUIS BLACK, New York, N. Y., assignor of one-half to Eastman Machine Company, Buffalo, N. Y. Filed May 25, 1923. Serial No. 641,402. 6 Claims. (Cl. 68—26.)



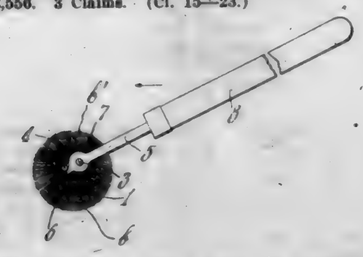
1. The combination with a pressing implement, of a starch container, means for passing fluid through said starch container, said pressing implement being provided with one or more perforations through which the fluid from said starch container can be delivered to the goods for dampening and starching the same while they are being pressed with the implement.

1,536,917. LAWN MOWER. ADELBERT B. CASE, Springfield, Mass.; Union Trust Company, administrator of said Adelbert B. Case, deceased, assignor to Blair Manufacturing Company, a Corporation of Massachusetts. Filed Sept. 28, 1921. Serial No. 503,733. 6 Claims. (Cl. 56—294.)



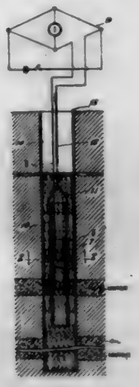
1. The combination in a lawn mower, having revoluble spiral blades, of a knife stationarily mounted for cooperation with said blades and having sufficient flexibility to yield away from the blades when engaged therewith, and means underlying said knife for limiting the extent of said yielding movement.

1,537,918. BRUSH OR THE LIKE. HENRY CAVE, Springfield, Mass. Filed Mar. 7, 1923. Serial No. 623,556. 3 Claims. (Cl. 15—23.)



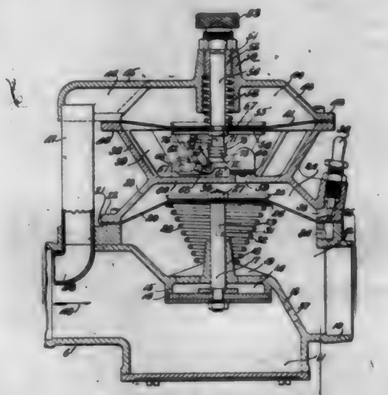
1. The combination with a frame, of a substantially cylindrical brush, a core therefor disposed eccentrically of the brush and mounted for turning movement in said frame, and means for limiting the relative turning movement of said core and frame.

1,537,919. METHOD OF LOCATING THE LEVEL AT WHICH WATER ENTERS A WELL. RAYMOND D. ELLIOTT, Whittier, Calif., assignor of one-half to Edmund J. Young, Berkeley, Calif. Filed Sept. 15, 1921. Serial No. 500,993. 10 Claims. (Cl. 175—183.)



1. In the method of locating the level at which water enters a well, the combination of steps consisting in displacing the contents of the well by filling the well from the bottom up with a liquid of known electrical resistance, then withdrawing sufficient of the liquid from the well to permit the entrance of water from the water bearing stratum, and then testing the electrical conductivity of the liquid column in the well at successive levels until a level is ascertained at which the electrical conductivity of the liquid column is different than that of the displacing liquid.

1,537,920. POWER-CONTROL APPARATUS FOR PNEUMATIC-DISPATCH SYSTEMS. CHESTER S. JENNINGS, Wellesley Farms, and CLIFFORD R. DUMBLE, Arlington, Mass., assignors to The Lamson Company, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 12, 1922. Serial No. 581,364. 35 Claims. (Cl. 243—15.)



1. In combination in a pneumatic dispatch system, a carrier transmission tube, means for causing a current of air of normal predetermined amount constantly to enter the mouth of the tube, and controlling means, comprising a pressure actuated element constantly exposed upon one side to the pressure in the transmission tube and freely open upon the other side to the atmospheric pressure, for admitting an abnormal quantity of air to flow through the tube for a predetermined interval of time.

1,537,921. MERCURY SWITCH. ROY D. MAILEY, East Orange, N. J., assignor to Cooper Hewitt Electric Company, Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 10, 1923. Serial No. 667,625. 20 Claims. (Cl. 200—152.)



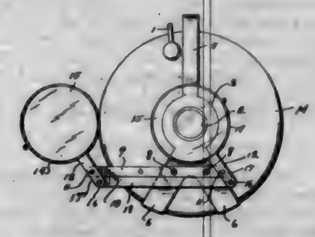
1. In a mercury tube switch, in combination, an envelope of boro-silicate glass carrying an appreciable quantity of lead and contacts sealed into the walls of said envelop, said envelope being filled with a gas having the property of assisting in removing heat from the high temperature points in the envelope.

8. In a mercury switch, in combination, an envelope of glass containing an appreciable quantity of metal

and having the property of withstanding high temperatures and rapid fluctuations in temperature, mercury pools in said envelope in the open position of said switch, and lead wires passing through the wall of the envelope and in contact with said pools.

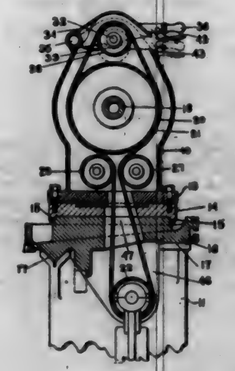
1,537,922. ATTACHMENT FOR HEAD MIRRORS. GEORGE M. MAXWELL, Roanoke, Va. Filed Nov. 21, 1923. Serial No. 676,086. 9 Claims. (Cl. 128—21.)

1. In combination with a head mirror provided with a peep opening, an attachment provided with means for detachably securing the same to the mirror, a pair of lenses movably supported by the attachment, one of said lenses when in one position being disposed over



the peep opening and the second lens being positioned to one side of the mirror, said lenses when in such positions permitting binocular vision.

1,537,923. HEADSTOCK-DRIVING MECHANISM. CHARLES H. NORTON, Plainville, Conn., assignor to Norton Company, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 21, 1922. Serial No. 602,452. 11 Claims. (Cl. 192—11.)



1. A head stock spindle driving mechanism, comprising a pulley on the spindle, a driver connected with a source of power, an adjustably positioned idler pulley, a single belt passing over said driver and pulleys, means for automatically moving the idler pulley to tension the belt and cause a driving action, and manually controlled means for moving the idler pulley to release the driving friction of the belt and stop the spindle.

1,537,924. SPLITTING BUCK. GROVER C. REESLER, Okmulgee, Okla., assignor to Baker Brothers Glass Company, Okmulgee, Okla., a Corporation of Indiana. Filed Dec. 12, 1924. Serial No. 755,384. 3 Claims. (Cl. 49—48.)



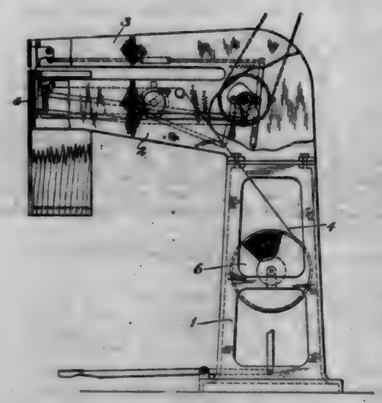
1. A splitting buck comprising a suitable main frame and an endless hammock carried by the main frame and mounted for free movement in the direction of its length, said hammock forming a support for a glass cylinder.

1,537,925. DENTAL X-RAY-FILM PACKAGE. LEONARD M. BOLIN, Chicago, Ill., assignor of one-half to Stanley Bolin, Chicago, Ill. Filed Aug. 7, 1922. Serial No. 580,107. 16 Claims. (Cl. 250—34.)



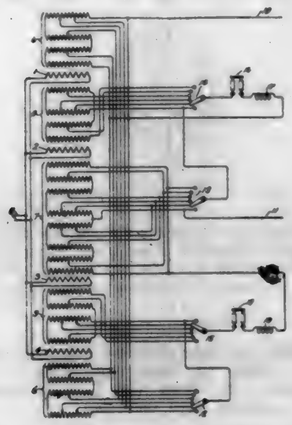
1. A container for films consisting of a body portion, and forwardly and inwardly turned resiliently yieldable edge portions on the said body portion adapted to encompass elastically the other elements of the assembly.

1,537,926. MACHINE FOR USE IN MAKING BOXES, CRATES, AND THE LIKE. BRUCE J. DAVIDSON, Marseilles, Ill., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Oct. 29, 1920. Serial No. 420,414. 24 Claims. (Cl. 1—11.)



1. A machine for use in fastening heads, ends, partitions or the like to boxes comprising, in combination, a stapling arm adapted to operate within a box; wire severing means; a staple former adapted to perform operations on a plurality of staples simultaneously; and a staple driver.

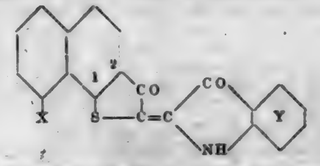
1,537,927. TRANSFORMER. LOUIS F. BLUME, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 16, 1923. Serial No. 645,729. 5 Claims. (Cl. 171—119.)



1. A transformer comprising a winding having four sections, each section being provided with a plurality of taps, means for connecting one end of each section to any selected tap of one of the other sections, and means for connecting the other ends of two of said sections across an external circuit.

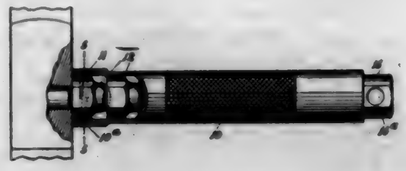
1,537,928. VAT DYESTUFF CONTAINING SULPHUR AND PROCESS OF MAKING SAME. ERWIN HOFFA and HANS HEINA, Hochst-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Aug. 14, 1924. Serial No. 732,117. 3 Claims. (Cl. 260—419.)

2. As new substances, the dyestuffs of the general formula:



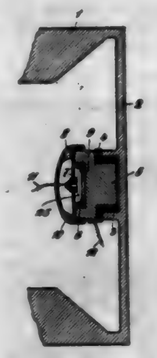
wherein X signifies halogen, Y a benzene or naphthalene nucleus, and wherein the isatin and the benzooxythionaphthene residues may be substituted in any manner, which dyestuffs are, in a dry state, brownish-violet powders and dissolve in concentrated sulphuric acid with a characteristic coloration.

1,537,929. BOX SPANNER. HENRY JAMES LEE, Coventry, England, assignor to Leon Britton, London County, England. Filed Feb. 27, 1923. Serial No. 621,665. 4 Claims. (Cl. 81—125.)



1. A magazine spanner for operating on nuts comprising in combination a tube, a coil spring for gripping and retaining the nut or nuts, said spring being located in an annular recess formed in the inner periphery and near the mouth of the said tube and normally projecting thereinto, a slidable member within said tube, a closure member for the one end of the tube, and a coil spring located between the slidable and the closure member.

1,537,930. SOUND RECEIVER, PARTICULARLY FOR RECEIVING SOUND WAVES IN LIQUIDS. HUGO LICHTE, Kiel, Germany, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed Jan. 22, 1923. Serial No. 614,173. 8 Claims. (Cl. 177—386.)



1. In submarine sound receiving apparatus, a tuned radiating system of high radiation damping including one member of a vibratory sound detector, and an independently vibratory structure coupled therewith, comprising another detector member the coupling between the radiating system and said independently vibratory structure being not greater than 40%.

Patents Nos. 1,537,931 to 1,538,878.

THE
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OF THE
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CONTENTS.

	Page.
ISSUE OF MAY 19, 1925	527
INTERFERENCE NOTICES	527
DISCLAIMER	527
ADJUDICATED PATENTS	527
DECISIONS OF THE U. S. COURTS—	
Stevens v. Cluies	529
Supreme Mfg. Corporation v. Security Mfg. Co	529
PATENT SUITS	532
ADVERSE DECISIONS IN INTERFERENCE	532
TRADE-MARKS PUBLISHED (300 APPLICATIONS)	533
TRADE-MARK REGISTRATIONS GRANTED	571
TRADE-MARK REGISTRATIONS RENEWED	580
LABELS	581
PRINTS	582
REISSUES	583
DESIGNS	585
PATENTS GRANTED	599

Issue of May 19, 1925.

Trade-Marks	250	No. 198,413 to No.	198,662, inclusive.
T. M. Renewals	21		
Labels	17	No. 23,685 to No.	23,701, inclusive.
Prints	21	No. 7,932 to No.	7,952, inclusive.
Reissues	9	No. 15,071 to No.	15,079, inclusive.
Designs	63	No. 67,327 to No.	67,389, inclusive.
Patents	948	No. 1,537,931 to No.	1,538,878, inclusive.
Total	1329		

Interference Notices.

U. S. PATENT OFFICE, *Washington, May 1, 1925.*

Westerly Shirt Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Orent's Department Store, Inc., 1225 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 22, 1912, No. 88,814, to Westerly Shirt Co., of Westerly, R. I., and 23–25 East Twenty-first Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Westerly Shirt Co., at Westerly, R. I., as well as letters forwarded by the attorney of record to both of the above addresses having been returned to the respective senders by the post-office authorities as undeliverable, notice is hereby given that unless said Westerly Shirt Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 5, 1925.*

Dawson Metals Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Samuel R. Dawson, of 395 St. Johns Place, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered November 2, 1920, No. 136,396, to Dawson Metals Inc., 52 Vanderbilt Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Dawson Metals Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Dawson Metals Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 5, 1925.*

Isaac J. Silverstein, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Linen Thread Company, 96–98 Franklin Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 16, 1912, No. 86,169, to Isaac J. Silverstein, 147 Spring Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Silverstein at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Silverstein, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Disclaimer.

1,530,359.—*John H. Deppeler*, Weehawken, N. J. CRUCIBLES FOR EXOTHERMIC AND LIKE REACTIONS. Patent dated March 17, 1925. Disclaimer filed May 2, 1925, by the patentee, the assignee *Metal & Thermit Corporation*, consenting.

Hereby enters his disclaimer to all of the claims of said Letters Patent, which are as follows, to wit:

"1. A receptacle for use in effecting the reduction of metals by means of metallic reducing agents comprising a metal crucible of sufficient wall thickness to chill on its inner surface a thin layer of slag produced by the reaction.

"2. A receptacle for use in effecting exothermic reactions comprising an initially unlined metal crucible of sufficient wall thickness to chill on its inner surface a thin layer of slag produced by the reaction.

"3. A receptacle for use in effecting exothermic reactions comprising a metallic crucible of sufficient wall thickness to convey away sufficient of the heat of reaction to prevent fusion of its inner surface, said crucible having a lining of slag produced by the reaction."

ADJUDICATED PATENTS.

(D. C. N. Y.) The Twitchell patent, No. 927,298, for pressure gauge for pneumatic tires, *Held* valid and infringed. *A. Schrader's Son, Inc.*, v. *Weis Sales Corporation*, 3 F. (2) 999.

(C. C. A. Wis.) The Hunter patent, No. 1,164,815, for device for tightening harrow teeth, claim 4 *Held* not infringed. *Walden Worcester, Inc.*, v. *American Grinder Mfg. Co.*, 3 F. (2d) 933.

(C. C. A. Ill.) The Roark patent, No. 1,346,337, for solid cake of paradichlorbenzol and odoriferous substance, claim 2 *Held* invalid. *U. S. Sanitary Specialties Corporation* v. *West Disinfecting Co.*, 3 F. (2d) 997.

Condition of Applications Under Examination at Close of Business May 8, 1925.

(Total number of applications awaiting action, excluding Trade-Mark Division, 45,983; Trade-Mark Division, 2,391. Oldest new case, Nov. 11, 1924; oldest amended, Nov. 10, 1924. The dates given are 1925 except where † indicates 1924.)

Room No.	Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
110	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry Plows; Planting; Scattering Unloaders.	Jan. 23	Feb. 11	652
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 14	Jan. 9	474
231	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 30	Apr. 7	241
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Jan. 16	Jan. 8	629
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 8	†Dec. 9	976
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 16	†Nov. 26	897
313	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 9	Jan. 8	986
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 12	Jan. 2	1,464
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 22	Mar. 3	583
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 12	Jan. 15	1,008
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 14	Feb. 17	719
330	12. PIERCE, P. P., Machine Elements	Jan. 9	Jan. 9	739
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	†Dec. 3	Jan. 8	1,185
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 10	Feb. 14	316
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 9	Jan. 9	970
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Nov. 25	†Nov. 26	1,082
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 28	Mar. 5	375
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Nov. 29	†Nov. 26	844
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 13	Feb. 11	551
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Jan. 5	Jan. 12	864
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Dec. 10	Mar. 13	447
102	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Feb. 4	Feb. 5	590
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 26	Dec. 11	425
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 19	Jan. 23	541
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Mar. 3	Mar. 5	692
226*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 22	†Nov. 11	765
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Jan. 24	Jan. 31	728
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 7	Mar. 10	716
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 11	†Dec. 5	1,052
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Feb. 2	Feb. 4	901
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 17	Feb. 18	840
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Jan. 13	Jan. 12	661
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Feb. 26	Mar. 2	654
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 10	Jan. 9	602
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Jan. 23	Feb. 12	630
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 22	†Nov. 17	1,292
234*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	†Nov. 28	†Nov. 25	1,202
145	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Nov. 13	†Nov. 11	940
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 19	Jan. 26	459
260	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	†Dec. 3	†Dec. 1	1,716
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Jan. 26	Jan. 22	569
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Nov. 29	†Nov. 25	1,163
128*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Dec. 11	†Dec. 26	869
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 29	†Dec. 17	776
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	†Dec. 9	†Dec. 20	781
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	†Nov. 28	†Nov. 28	709
284	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 2	†Dec. 29	1,337
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 11	†Nov. 10	1,704
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 9	Jan. 9	723
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Nov. 28	†Dec. 2	1,370
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 9	†Dec. 9	2,130
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 14	Mar. 5	510
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Dec. 2	†Dec. 6	1,056
102	Designs: C. O. MARKHAM (Acting)	Apr. 16	Apr. 13	329
163	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. (Trade-Marks	Apr. 3	Apr. 24	1,832
	(Labels and Prints	Mar. 2	Mar. 17	459

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

STEVENS *v.* CLULEE.

No. 1,896. Decided March 2, 1925.

APPEAL from Patent Office. Affirmed.

Mr. David Rines for Stevens.

Mr. Robert S. Blair, Mr. J. Harold Kelcoyne, and *Mr. H. G. Manning* for Clulee.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

PER CURIAM:

Appeal from concurrent decisions of the Patent Office in an interference proceeding in which priority was awarded the party Clulee.

The invention relates to a mounting for eyeglasses and is set forth in a single broad count originating with Stevens. The right of Clulee to make the claim was challenged, but the Law Examiner sustained that right, basing his decision upon the failure of Stevens to specify in the claim the limitations contended for in his motion for dissolution. Each of the three tribunals of the Patent Office has exhaustively and satisfactorily discussed the questions involved and each has reached the conclusion that Clulee is entitled to make the claim and is, in fact, the prior inventor.

Finding no error, we affirm the decision appealed from.

Affirmed.

U. S. Circuit Court of Appeals—Ninth Circuit.

SUPREME MFG. CORPORATION *v.* SECURITY MFG. CO.

Decided May 11, 1925; rehearing denied June 9, 1925.

[299 Fed. Rep. 65.]

1. ESTOPPEL—ACQUIESCENCE IN REJECTION OF CLAIMS—EQUIVALENTS.

A patentee by acquiescence in rejection of claims is estopped to claim the benefit of the rejected claims or a construction of those allowed which would be equivalent to them.

2. REISSUE—BROADENED CLAIMS.

The Ellis reissue patent, No. 14,956, for improvement in auto theft signals, *Held* invalid, as broader than the original patent, which covered a specific chock which when in place would prevent the rotation of an automobile wheel, while the reissue claims are for a chock which permits the wheel to be "freely rotated with the signal in place," but imparts a bumping motion thereto.

3. SAME—SAME.

A claim is broadened if it serves to bring within the monopoly an intervening structure which otherwise would be free.

4. SAME—INTERVENING RIGHTS.

One who has acquired intervening rights between the time of issuance of a patent and application for a reissue can not be charged with infringement of broader claims of the reissue.

5. ANTICIPATION—MAKING PART INTEGRAL INSTEAD OF IN TWO PIECES.

Anticipation is not avoided by making a part in one integral piece instead of two pieces fastened together.

APPEAL from the District Court of the United States for the Southern Division of the Southern District of California, Benjamin F. Bledsoe, judge.

Suit in equity by the Security Manufacturing Company against the Supreme Manufacturing Corporation. Decree for complainant, and defendant appeals. Reversed and remanded, with directions to dismiss.

Certiorari denied by U. S. Supreme Court, Oct. 20, 1924.

Mr. William K. White and *Mr. William R. Litzenberg* for the appellant.

Mr. Frank L. A. Graham and *Mr. Ford W. Harris* for the appellee.

Before GILBERT, HUNT, and RUDKIN, Circuit Judges.

GILBERT, *Cir. J.:*

The court below found that the appellant had infringed claim 2 of the Ellis reissue patent, No. 14,956, and claims 6 and 7 of the Chapman patent, No. 1,343,709.

[1] The history of the Ellis patent is as follows: Patent issued August 25, 1914, to Ellis and McKee, upon an application filed by Ellis November 3, 1913. In the application the invention was described as an "improvement in chocks for vehicle wheels," to—

> provide a chock with means for being releasably locked to an automobile wheel for the purpose of preventing the wheel from revolving, and thereby preventing theft or unauthorized use of the automobile.

There were four claims in the application. The first two were broad claims, covering any form of a chock attached to a wheel for the purpose indicated. The Examiner, referring to four American prior patents and one French patent, rejected those claims as being substantially met in the prior art. Ellis acquiesced in the rejection, and the patent was issued upon the remaining two claims. The patentees were thereby estopped to claim the benefit of the rejected claims or a construction which would be equivalent to them. *Morgan Envelope Co.* v. *Albany Paper Co.*, 152 U. S. 425; 14 Sup. 627; 38 L. Ed. 500; 67 O. G. 271; 1894 C. D. 238; *Computing Scale Co.* v. *Automatic Scale Co.*, 204 U. S. 609; 27 Sup. Ct. 307; 51 L. Ed. 645; 127 O. G. 849; 1907 C. D. 687.

On August 23, 1918, the Ellis patent was assigned to the Miller-Chapman Company, and that company thereafter, in 1918, assigned the same to the appellee herein. On January 26, 1920, Ellis, on behalf of the then owners of the patent, made application for a reissue of his patent, and the same was reissued October 12, 1920. In his oath

accompanying the application Ellis stated as his reason for applying therefor that all the claims of the original patent "read directly upon and are anticipated and invalidated by a certain patent, No. 997,228, issued November 29, 1910, to Benjamin Schestopol." And in the complaint in the present suit it was alleged that the Ellis original patent was void, for the reason that Ellis claimed as new more than he had the right to claim. The oath further stated that the effect of the Schestopol patent on the validity of the Ellis patent was not brought to the attention of the affiant until January 1, 1920. The evidence was, however, that the original patent had been assigned to Miller on February 21, 1917, Miller being at that time a partner with Chapman for the purpose of manufacturing chocks, and from the file wrapper of the Chapman patent it appears that the attention of Chapman was directed to the Schestopol patent as early as March, 1917. In applying for the reissue, Ellis again made broad claims; 14 claims were rejected, and 2 were allowed.

[2] One of the questions for decision is whether the two claims which were allowed were or were not broader in their scope than the claims of the original patent. In the reissue patent the invention is described as an "improvement in auto theft signals." In the original patent the purpose was said to be to prevent the wheel from revolving, and thus to prevent theft or unauthorized use of the automobile, and the two claims which were allowed covered only the specific mechanism of the device. In the claims of the reissue patent there is added to the description of the projection on the device these words:

> Said projection being of such size and shape as to permit the wheel to be freely rotated with the signal in place on the wheel, thus raising the wheel from the ground and imparting a marked bumping motion thereto.

It is obvious that what Ellis originally sought to accomplish by his device was a light-weight chock which would prevent the revolution of an automobile wheel. By way of excusing its possible failure to accomplish its primary purpose, he pointed out that, even if it permitted revolution of the wheel, it would nevertheless be effective to prevent theft, for it would attract attention by its noticeable irregular and limping movement. It is obvious, also, that no advantage was to be gained by making a chock which would permit rather than prevent the revolution of the wheel. If Ellis conceived the advantage of a chock of such light weight as to be easily carried and adjusted in place, he made no claim for it as a feature of his invention in applying for his patent.

There was a delay of 5 years and 5 months in applying for the reissue. In the meantime, on January 4, 1916, Gillespie received Letters Patent 1,166,828, for a chock for vehicle wheels, the specifications containing the following:

> Unauthorized persons, in attempting to use the vehicle, will be prevented from so doing by the chock, or, even if they should attempt to run the vehicle, the irregular movement of the wheel will prevent any rapid movement of the machine and will render detection a comparative certainty.

On November 14, 1916, Cook and Reid received a patent, 1,204,847, on a device intended "to constitute a chock and prevent rotation." In the specifications it was said:

> In the event, however, that the wheel should rotate, its motion will be so irregular as to attract attention to the car before a thief can escape therewith.

These inventors had no notice from the Ellis original patent that Ellis had conceived the idea of using a chock as a theft signal, or that he broadly claimed a monopoly of a chock of such size and shape as to permit the wheel to be revolved with a bumping motion and thus to attract attention. These inventors went as far as did Ellis in inventing a chock having, as he did, the primary purpose of preventing the revolution of an automobile wheel, but incidentally suggesting, as did he, that if the wheel revolved its irregular movement would direct attention to the fact that the use was unauthorized. Such was the condition of the prior art when Litzenberg, on March 9, 1918, filed application for his patent, which was issued January 28, 1919. He also was without notice that Ellis claimed a monopoly of a chock which would permit revolution of the wheel in an irregular or bumping manner, and thus operate as a theft signal. Litzenberg described his chock as one to be applied to a wheel "for the purpose of retarding its rolling action, and for the further purpose of indicating that the automobile, to the wheel of which it is applied, is in all probability being stolen." He was chargeable only with knowledge of what Ellis had claimed in his patent; that is, a chock constructed and attached in a described form and manner.

[3] There was nothing in Ellis' claim to suggest the broader claim of the reissue patent for an "auto theft signal," with a projection of "such size and shape to permit the wheel to be freely rotated with the signal in place on the wheel." A claim is broadened if it serves to bring within the monopoly an intervening structure which otherwise would be free. The original Ellis patent secured to the patentee the exclusive right to a chock, made in accordance with his two claims which were allowed. By the reissue patent the claims are expanded, so that thereunder the appellee now claims a monopoly, as against every chock which the inventive faculty can devise, provided only that it will clear the mud guard, or, in other words, provided that it is not of such dimensions as to prevent the revolution of the wheel to which it is attached. The assignees of Ellis, who owned the patent, had, at least two years prior to the reissue, notice of the Schestopol patent, which, it is admitted, anticipated the claims of the Ellis patent as they were framed. Where a patentee seeks a reissue with broadened claims 5 years and 5 months after the original issue, it must be presumed, in the absence of a showing that the delay was unavoidable, that he abandoned the new matter to the public. *Mahn* v. *Harwood*, 112 U. S. 354; 5 Sup. Ct. 174; 6 Sup. Ct. 451; 28 L. Ed. 665; 30 O. G., 657; 1885 C. D., 314; *Wollensak* v. *Reiher*, 115 U. S. 96; 5 Sup. Ct. 1137; 29 L. Ed. 350; 31 O. G., 1303; 1885 C. D., 314; *Topliff* v. *Topliff*, 145 U. S. 156; 12 Sup. Ct. 825; 36 L. Ed. 658; 59 O. G., 1257; 1892 C. D., 402; *Chapman* v. *Wintroath*, 252 U. S. 126; 40 Sup. Ct. 234; 64 L. Ed. 491; 272 O. G. 913; 1920 C. D. 465.

[4] The appellant here has intervening rights as against the reissue for it has acquired the right to manufacture and sell that which Ellis failed to claim, and, having expended considerable sums of money in the manufacture of a device at a time when the original Ellis patent was as yet unsurrendered, it cannot be held to infringe the added claims of the reissue. *Ives* v. *Sargent*, 119 U. S. 652; 7 Sup. Ct. 436; 30 L. Ed. 544; 38 O. G., 781; 1887 C. D. 191; *Autopiano Co.* v. *American Player Action Co.*, 222 Fed. 276; 138 C. C. A. 38; 217 O. G. 1055; 1915 C. D. 243; *Diamond Drill Contracting Co.* v. *Mitchell (C. C. A.)*, 269 Fed. 261; *Keller* v. *Adams-Campbell Co. (C. C. A.)*, 287 Fed. 838; 317 O. G. 787; 1923 C. D. 578; *Ashley* v. *Samuel C. Tatum Co. (D. C.)*, 240 Fed. 979; 240 O. G. 643; 1917 C. D. 93. We find no conflict between these views and the decision in *Abercrombie & Fitch Co.* v. *Baldwin*, 245 U. S. 198; 38 Sup. Ct. 104; 62 L. Ed. 240; 246 O. G. 567; 1918 C. D. 329, cited by the appellee. In the latter case it was held that the reissue did not enlarge the original patent, and the court was of the opinion that the original claims were sufficient in their scope to include, under the doctrine of equivalents, the more explicit claims of the reissue. It is manifest that in such a case there could be no loss of rights by delay in applying for a reissue, and there could be no impediment by way of intervening rights; the original claims being found sufficient to protect the whole invention of the patentee.

The construction to be placed upon claim 6 of the Chapman patent is largely controlled by the proceedings had upon the application in the Patent Office. It there appears that the claim was rejected on the ground that it was substantially met by the patent to Gillespie, No. 1,666,828, issued January 4, 1916, and the patent to Ellis. There was no appeal from that finding of fact, and Chapman canceled the claim. The claim was finally allowed, because of the addition of these words:

> Tapered to form a sharp wedge extending across the device parallel to the axis of the wheel.

Thereby claim 6 was narrowed to a chock in which was used a spike tapered to form a sharp wedge extending across the device parallel to the axis of the wheel. A spike or projection was old in the art, and Chapman was limited to the precise form of spike which he claimed. Otherwise the claim is anticipated by Gillespie and Ellis. The appellant used a spike of a different form and shape, and thereby it avoided infringement of Chapman's claim 6.

The appellant's chock was patented to Litzenberg January 28, 1919, by Letters Patent No. 1,292,822. It was issued before the Chapman patent, but it is subsequent to it, for the reason that Chapman's application was prior in time. The fact that the Litzenberg patent was allowed raises a presumption that the officials of the Patent Office found a patentable difference between his and Chapman's invention, which was pending at the same time. *Boyd* v. *Janesville Hay Tool Co.*, 158 U. S. 260, 261; 15 Sup. Ct. 837; 39 L. Ed. 973; 71 O. G. 1315; 1895 C. D. 376. The Litzenberg patent presents a chock with an integral body surrounding the tire, with one end or arm extending upwardly to a point above the felly, from which projects a second arm, at the end of which is hinged a third arm, adapted to surround a spoke and be locked to the end of the first arm. The radial projection of the chock is a wedge extending at right angles to the axis of the wheel.

Claim 7 of the Chapman patent reads as follows:

> A vehicle shackle for an automobile tire, comprising a member fitting over the tread of the tire and extending upwardly and fitting inside the felly of the wheel on which the tire is placed; a projecting form on said member in such a position that it extends radially from the tread of the tire with the device in place; a means for locking said member on said wheel.

This presents nothing new in addition to the Ellis patent and the Eastwood patent, No. 938,990, patented November 2, 1909. The value of the Eastwood patent as indicating the prior art is not lessened by the fact that it was called a "detachable spur," and its purpose was to prevent slipping or skidding. Nor do we think it should be set to one side as belonging to a different art. It is true that it was intended as a calk, but it was to be attached to the rim of the wheel, and it fitted over the tread of the tire, and extended upwardly and fitted inside the felly, and was formed of two integral pieces.

[5] Nor is it important that in the Chapman device the member fitting over the tread of the tire extending upwardly and fitting inside the felly of the wheel is one integral piece, and not composed of two pieces fastened together as in the Ellis and Gillespie devices. *Consolidated Electric Mfg. Co.* v. *Holtzer*, 67 Fed. 907; 15 C. C. A. 63; 72 O. G. 415; 1895 C. D. 476; *General Electric Co.* v. *Yost Electric Mfg. Co.*, 139 Fed. 569; 71 C. C. A. 552; *Pedersen* v. *Dundon*, 220 Fed. 810; 136 C. C. A. 143. It seems to us clear that the appellant's device avoids infringement of claim 7 of the Chapman device, in that it does not fit over the tread of the tire and, extending upwardly, fit inside the felly of the wheel. It is essential to the operation of both the Chapman patent and the Ellis patent that the device shall "fit" the felly, so as to hold the projection in radial extension from the tread, and prevent the rotation of the device about the tire and felly, thus moving the projection to one side of the tread. In brief, in view of the prior art, the Chapman invention is a very narrow one, and the appellee must be held substantially to the precise form in which the invention is presented. The appellant's device, while it fits the tire, does not fit or conform to the felly, nor is it in contact with the felly, except at the point where the lock, which encircles the

spoke, rests upon the inner surface of the felly. The device depends upon its attachment to the spoke and its contact with the tire to prevent its lateral turning.

The decree is reversed, and the cause is remanded, with instructions to dismiss the bill.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

803,684, J. A. Fleming, Instrument for converting alternating electric currents into continuous currents; 841,387, L. de Forest, Device for amplifying feeble electrical currents; 879,532, same, Space telegraphy, consent and order of discontinuance Feb. 26, 1925, D. C., S. D. N. Y., Doc. E 24/333, *Radio Corp. of America* v. *A. Emerson et al.*

837,017, C. A. von Welsbach, Pyrophoric alloy, suit filed Jan. 20, 1922, D. C., S. D. N. Y., Doc. E 23/56, *A. Harris et al.* v. *L. Westreich (Westreich Merchandise Co.)*. Order of dismissal for lack of prosecution Feb. 5, 1925, same, suit filed Mar. 18, 1922, D. C., S. D. N. Y., Doc. E 23/25, *A. Harris et al.* v. *J. Gearnsback*. Order of dismissal for lack of prosecution Feb. 5, 1925.

841,387. (See 803,684.)

879,532. (See 803,684.)

882,136, F. C. Altmann, Latch for vehicle door, interlocutory decree holding claim 2 valid and claim 1 invalid Mar. 11, 1925, D. C., S. D. Ohio (W. Div.), Doc. E 357, *The English & Mersick Co.* v. *The Cincinnati Cadillac Co.*

904,066, H. Jacob, Prism telescope and similar prism-carrying device and method of adjusting the prisms, dismissed for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 24/156, *C. P. Goerz American Optical Co.* v. *A. Cohen's Exchange, Inc.*

973,691, J. E. Ogden, Door and means for operating same; 1,163,907, H. T. Goss, Pier door; 1,183,402, A. T. Prescott, Variable counterweighted door, consent and order of discontinuance Feb. 10, 1925, D. C., S. D. N. Y., Doc. E 24/42, *The Patent Appliance Co.* v. *McHarg-Barton Co., Inc.*

978,126, T. Busam, Apparatus for the production of bromide-of-silver post cards and similar articles, order of dismissal for lack of prosecution Mar. 2, 1925, D. C., S. D. N. Y., Doc. E 24/166, *Bromograph Aktiengesellschaft* v. *P. A. Flanders et al.*

986,148, Ehrlich & Bertheim, New derivatives of oxyaryl arsinic acids and process of making same; 1,081,592, 1,081,897, same, Medicinal preparations; 1,116,398, same, Dihydrochloride diaminodioxyarsenobenzene; Re. 13,848, Korndorfer & Reuter, derivatives of diaminodioxyarsenobenzene and process of making same, order of dismissal for lack of prosecution Feb. 20, 1925, D. C., S. D. N. Y., Doc. E 24/170, *Farweke vormat Meister Lucius* v. *Takamire Laboratory, Inc., et al.*

1,023,329, C. H. Payne, Calendar support, dismissed for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 24/140, *Defiance Mfg. Co.* v. *R. H. Baxter.*

1,081,592. (See 986,148.)

1,081,897. (See 986,148.)

1,086,203, J. A. Murphey, Improvement in means for waybilling; 1,196,749, same, Means for waybilling, suit filed Feb. 10, 1925, D. C., E. D. Pa., Doc. 3253, *J. A. Murphey* v. *American Rwy. Express Co. et al.*

1,105,230, S. A. Wiltsie, Toaster, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 24/49, *Westinghouse Electric Products Co.* v. *Hirschfield Electrical Supply Co., Inc.*

1,116,398. (See 986,148.)

1,163,907. (See 973,691.)

1,183,402. (See 973,691.)

1,196,749. (See 1,086,203.)

1,216,140, A. Kurtz, Hat lining, orders of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 24/3, *A. Kurtz et al.* v. *A. A. Lining Co., Inc.*; Doc. E 24/4, *A. Kurtz et al.* v. *S. Nelson (S. Nelson Hat Lining Co.)*; Doc. E 24/5, *A. Kurtz et al.* v. *E. Herman (Novelty Fur Co.) et al.*; Doc. E 24/53, *A. Kurtz et al.* v. *A. Berse (Berse Hat Co.)*. Same, order reversed (notice dated Mar. 3, 1925), C. C. A. (2d Cir.), Doc. 8493, *A. Kurtz et al.* v. *Independent Hat Lining Co.*

1,284,391, P. A. Luckett, Union suit, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 23/251, *P. A. Luckett* v. *Delpark, Inc.*

1,400,182, E. F. Quinn, Reversible heel, suit filed Mar. 9, 1925, D. C., S. D. N. Y., Doc. E 31/245, *E. F. Quinn* v. *Everau Rubber Heel Corp.*

1,408,139, M. V. Pruzan, Brassière, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 24/76 *Boyshform Brassiere Co., Inc.*, v. *Korrect-O-Form Brassiere Co., Inc.*

1,439,940, R. W. A. Brewer, Intake manifold for internal-combustion engines, suit filed Jan. 23, 1925, D. C., E. D. Pa., Doc. 3235, *R. W. A. Brewer* v. *Neel Cadillac Co.*

1,507,376, L. F. Hintz, Machine for packaging rubber tires and similar articles, suit filed Mar. 10, 1925, D. C., S. D. N. Y., Doc. E 31/249, *A. J. Gerard et al.* v. *Ti-it Machine Co.*

Re. 13,848. (See 986,148.)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,376,310, P. A. E. Armstrong, Roller bearing, decided March 9, 1925, claims 7 and 8.

Pat. 1,422,110, J. Labovici, Interlock circuit-protector, decided April 6, 1925, claims 1 to 9, inclusive.

Pat. 1,448,207, W. F. Gehrig, Wireless-telephone receiving apparatus, decided April 11, 1925, claim 1.

Pat. 1,471,916, W. C. Perry, Motor fuel, decided April 29, 1925, claims 1, 2, and 3.

Pat. 1,477,494, M. R. Hutchison, Monorail carrier, decided April 9, 1925, claim 10.

TRADE-MARKS

OFFICIAL GAZETTE, MAY 19, 1925.

[VOL. 334. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 123,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. ROGERS & COMPANY, Chicago, Ill. Filed Sept. 29, 1919.



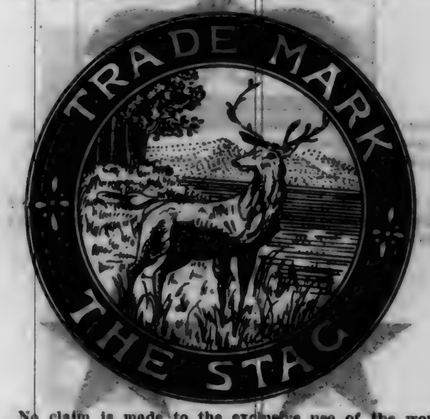
Particular description of goods.—Baking Powder.
Claims use since Aug. 9, 1918.

Ser. No. 156,589. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER SONS & CO., Philadelphia, Pa. Filed Dec. 12, 1921.

CLOUD

Particular description of goods.—Shirtings Comprising Silk Goods.
Claims use since Oct. 30, 1920.

Ser. No. 174,594. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SOCIÉTÉ INDUSTRIELLE DE ROQUEFORT, Roquefort, France. Filed Jan. 13, 1923.



No claim is made to the exclusive use of the words "Trade-Mark" apart from the mark shown on the drawing.
Particular description of goods.—Cheese.
Claims use since Oct. 20, 1919.

Ser. No. 177,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PROCTER AND GAMBLE COMPANY, Cincinnati, Ohio. Filed Mar. 24, 1923.



Particular description of goods.—Red Oil Used as a Commercial Oil in the Manufacture of Paints, Printing Inks, Carbon Paper, and in the Manufacture of Textile Soaps.
Claims use since January, 1900.

Ser. No. 179,415. (CLASS 39. CLOTHING.) MCGRATH SHOE CO., INC., New York, N. Y. Filed Apr. 20, 1923.



Particular description of goods.—Children's Leather Shoes.
Claims use since Mar. 1, 1922.

Ser. No. 180,564. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILLS NOVELTY COMPANY, Chicago, Ill. Filed Oct. 4, 1923.

VENS

Particular description of goods.—Flavored Sugar Tablets (Candy).
Claims use since Aug. 27, 1923.

Ser. No. 186,805. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SHAFFER PRODUCTS CO., Minneapolis, Minn. Filed Oct. 10, 1923.

Olivette

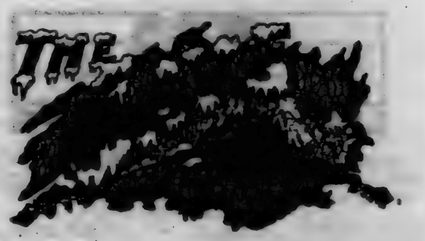
Particular description of goods.—Salad Dressing Adapted to be Used as a Salad Spread and Consisting of Chopped Olives in a Mayonnaise Base.
Claims use since on or about Apr. 1, 1922.

Ser. No. 189,232. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, Newark, N. J., and New York, N. Y. Filed Dec. 5, 1923.

Formold

Particular description of goods.—Corsets and Brassières.
Claims use since July 31, 1923.

Ser. No. 190,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM C. MORGAN, Everett and Tacoma, Wash. Filed Dec. 26, 1923.



Particular description of goods.—Lunches Consisting of Cakes, Pies, Sandwiches, Soups, Bouillons, Salads, Oyster Cocktail, Shrimp Cocktail, Fruit Cocktail, Sweet Pickles, Dill Pickles, Ripe Olives, Green Olives, Sliced Tomatoes, Sliced Cucumbers, Salted Almonds, Salted Peanuts, Cold Roast Pork, Cold Roast Beef, Cold Boiled Ham, Cold Baked Ham, Ice Cream, and Sherbets.
Claims use since 1910.

Ser. No. 190,130. (CLASS 39. CLOTHING.) GIOVANNI V. ROSI, Los Angeles, Calif. Filed Dec. 26, 1923.



Particular description of goods.—Ballet Slippers, Dancing Shoes, Slippers and Pumps of Leather and of Leather and Fabric Combined; Hosiery, and Gloves of Leather and Fabric.
Claims use since Nov. 21, 1923.

Ser. No. 190,575. (CLASS 15. OILS AND GREASES.) CASPAR LUBRICANTS, INC., New York, N. Y. Filed Jan. 9, 1924.



Particular description of goods.—Lubricating Oils, Greases, and Compounds.
Claims use since on or about June 1, 1923.

Ser. No. 191,125. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) H. D. FIANDT, Wolcottville, Ind. Filed Jan. 22, 1924.



Particular description of goods.—Automobile Polish and Polish for Enameled Surfaces and Woodwork.
Claims use since Dec. 1, 1921.

Ser. No. 191,409. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SANDS CHEMICAL COMPANY LTD., Bradford, England. Filed Jan. 28, 1924.

ZYP

Particular description of goods.—Liquid Chemical Preparation for Use in Conjunction with Soap and Water to Increase Their Efficiency.
Claims use since Dec. 14, 1923.

Ser. No. 192,066. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ALPHONSE B. D. CHAMPAGNE, doing business as Massachusetts Sales Service, Lowell, Mass. Filed Feb. 9, 1924.

ALLBRITE

Particular description of goods.—Metal and Glass Polish.
Claims use since about May 1, 1923.

Ser. No. 192,182. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRACE M. KROTER, doing business as Motor Meals Company, Los Angeles, Calif. Filed Feb. 12, 1924.

JUST EAT AND EAT

Particular description of goods.—Canned Prepared Meals.
Claims use since Dec. 15, 1923.

Ser. No. 192,329. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JAMES S. KIRK & COMPANY, Chicago, Ill. Filed Feb. 15, 1924.

Satinet Soft Skin Soap

The words "Soft Skin Soap" are disclaimed apart from the mark shown.
Particular description of goods.—Soap.
Claims use since on or about Oct. 15, 1877.

Ser. No. 192,734. (CLASS 7. CORDAGE.) JOHN A. ROEBLING'S SONS CO., Trenton, N. J. Filed Feb. 23, 1924.



Trade-mark drawing consists of a green fibrous core of the wire rope. No claim is made herein to the representation of wire rope apart from the said green fibrous core.
Particular description of goods.—Wire Rope.
Claims use since Feb. 15, 1924.

Ser. No. 192,890. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Feb. 27, 1924.

BRILLO

Particular description of goods.—Polish for Hardwood Surfaces, Furniture, and Automobiles.
Claims use since Jan. 24, 1924.

Ser. No. 192,971. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) GILLESPIE BROTHERS, Newburgh, N. Y. Filed Feb. 28, 1924.

THE PYRAGLASS PANEL

No claim is made to the word "Panel" aside from the mark shown.
Particular description of goods.—Advertising Display Signs Comprising a Display Surface Protected by a Coating of Transparent Material.
Claims use since Jan. 1, 1923.

Ser. No. 193,615. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) NOPIN DIDY CO., INC., Atlantic City, N. J. Filed Mar. 11, 1924.

NO-PIN

No claim is made to the word "Nopin" apart from the mark as shown.

Particular description of goods.—Diapers and Cut Bandages.

Claims use since Mar. 5, 1924.

Ser. No. 194,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BISHOP & COMPANY, Los Angeles, Calif. Filed Mar. 25, 1924.



The pictorial representation of boy in trade-mark is merely fanciful.

Particular description of goods.—Cocoa.

Claims use since about 1904.

Ser. No. 194,596. (CLASS 39. CLOTHING.) ELDER MFG. CO., St. Louis, Mo. Filed Mar. 28, 1924.

TUDOR

Particular description of goods.—Men's and Boys' Dress, Negligee, Work, and Under Shirts and Boys' and Children's Blouses.

Claims use since Dec. 1, 1923.

Ser. No. 194,689. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN BIRD COMPANY, doing business as The Atlantic Spice Company, Rockland, Me. Filed Mar. 31, 1924.



Particular description of goods.—Cream of Tartar, Saleratus, Soda, Petrolatum, Epsom Salts, Camphor, Friars' Balsam.

Claims use since Apr. 1, 1890.

Ser. No. 194,979. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CREAMETTE COMPANY, Minneapolis, Minn. Filed Apr. 4, 1924.

Creamette

Particular description of goods.—Potato Chips, Candy, Seedless Raisins, Canned Tomato Soup, Corn Sirup, Canned Pork and Beans, Canned Yellow Cling Peaches, Shredded Coconut, Pancake Flour, Pure Honey, Dutch Toast, Queen Olives, Peanut Butter, Sliced Bacon, Canned Potted Ham, Canned Salmon, Creamery Butter, Pure Lard, Canned Tomatoes, Canned Corn, Canned Evaporated Milk, Jelly Powder, Cornstarch, Unpopped Pop Corn, Package Biscuits, Catchup, Wheat Flour, Cocoa, Fruit Preserves, and Bread.

Claims use since Jan. 29, 1917.

Ser. No. 196,435. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHEMISCHE FABRIK POTT & CO., Dresden, Germany. Filed May 2, 1924.

HYDRAPHTAL

Particular description of goods.—Preparations for Washing and Cleaning Wool, Cotton Wool, and Cotton Yarns and Fabrics Made Therefrom and for Degreasing Textiles and Leathers.

Claims use since January, 1921.

Ser. No. 196,523. (CLASS 2. RECEPTACLES.) JACOB A. KANTER, Chicago, Ill. Filed May 3, 1924.

KA-M-CO

No claim is made to the word "Brand" apart from the mark as shown.

Particular description of goods.—Mixing Boxes Made of a Combination of Wood and Metal.

Claims use since August, 1922.

Ser. No. 196,620. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RADIO VACUUM CLEANER COMPANY, St. Charles, Ill. Filed May 5, 1924.

Radio

Particular description of goods.—Vacuum Cleaners.

Claims use since August, 1923.

Ser. No. 197,557. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PETER FOX SONS CO., Chicago, Ill. Filed May 24, 1924.

DE-LUXE

Particular description of goods.—Dressed Poultry and Eggs.

Claims use since October, 1920, on dressed poultry and since March, 1924, on eggs.

Ser. No. 197,632. (CLASS 39. CLOTHING.) MARGARET F. TODD, Glendale, Calif. Filed May 26, 1924.



No claim is made to the use of the words "Smart Hats" apart from the mark as shown.

Particular description of goods.—Women's Hats.

Claims use since Mar. 1, 1924.

Ser. No. 198,219. (CLASS 5. ADHESIVES.) THE ARABOL MFG. CO., New York, N. Y. Filed June 7, 1924.



Particular description of goods.—Wheat Paste Powder.

Claims use since January, 1913.

Ser. No. 198,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed June 9, 1924.

BLUE DIAMOND BRAND
ALMOND BUTTER

The right to the exclusive use of the words "Brand" and "Almond Butter" is disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Almond Butter.

Claims use since Nov. 15, 1923.

Ser. No. 198,284. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CALIFORNIA ALMOND GROWERS EXCHANGE, San Francisco, Calif. Filed June 9, 1924.

BLUE DIAMOND BRAND
SANDWICH SPREAD

Exclusive use of the words "Brand" and "Sandwich Spread" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Composition to be Spread on Sandwiches, Having Ground Almonds as the Principal Ingredient.

Claims use since Nov. 15, 1923.

Ser. No. 198,987. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CORBY BAKING CO. INC., Washington, D. C., assignor to The Corby Baking Co., Inc., a corporation of Virginia. Filed June 23, 1924.



The picture is fanciful and not of any living person.

Particular description of goods.—Bread and Cake.

Claims use since on or about Feb. 23, 1923.

Ser. No. 199,158. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GAME BALLS COMPANY LIMITED, Brentford, England. Filed June 26, 1924.



Particular description of goods.—Golf Balls, Cricket Balls, Hockey Balls, Lacrosse Balls, Baseballs, Footballs, Tennis Balls, Handballs, Bowls, Ping-Pong Balls, and Billiard Balls.

Claims use since Nov. 12, 1923.

Ser. No. 199,159. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GAME BALLS COMPANY LIMITED, Brentford, England. Filed June 26, 1924.

RAINBOW

Particular description of goods.—Golf Balls, Cricket Balls, Hockey Balls, Lacrosse Balls, Baseballs, Footballs, Tennis Balls, Handballs, Bowls, Ping-Pong Balls, and Billiard Balls.
Claims use since Nov. 12, 1923.

Ser. No. 199,207. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) BAUSCH AND LOMB OPTICAL COMPANY, Rochester, N. Y. Filed June 27, 1924.



No claim is made to the representation of a spectacle frame apart from the mark shown. The trade-mark consists of a single spot of white metal applied upon each side of each hinge of a lens-holding frame of the non-metallic type.
Particular description of goods.—Ophthalmic Mountings and Parts Thereof.
Claims use since summer of 1921.

Ser. No. 199,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RAMIREZ & CO., LTD., Ville Real de Santo Antonio, Portugal. Filed July 10, 1924.

ST. GABRIEL

Particular description of goods.—Preserved Fish.
Claims use since Jan. 1, 1918.

Ser. No. 199,862. (CLASS 38. PRINTS AND PUBLICATIONS.) SHAW PUBLISHING COMPANY, Chicago and Galesburg, Ill. Filed July 10, 1924.

FUEL OIL
FOR HEAT and POWER

Particular description of goods.—Monthly Magazine.
Claims use since July, 1922.

Ser. No. 200,158. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD ELY SCOVILL, Brookfield, Mass. Filed July 17, 1924.

TURTLE ROCK

Particular description of goods.—Dairy and Farm Products, Including Specifically Fresh Milk, Fresh Cream, Butter, Cheese, Eggs, and Cattle.
Claims use since Nov. 1, 1923.

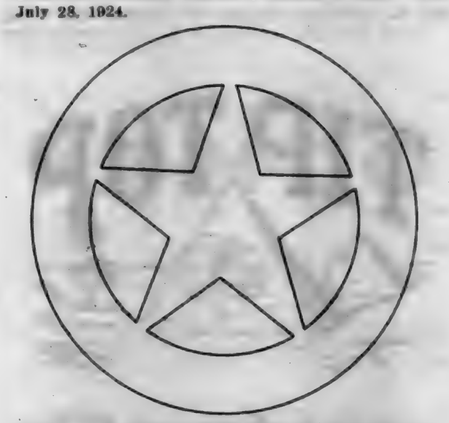
Ser. No. 200,400. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAGGIOROS & ROUSOS, Rochester, N. Y. Filed July 23, 1924.

GOLD MEDAL



The words "Gold Medal" apart from the mark as shown in the drawings are disclaimed.
Particular description of goods.—Olive Oil.
Claims use since Dec. 7, 1917.

Ser. No. 200,612. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLUMBUS VENDING COMPANY, Columbus, Ohio. Filed July 28, 1924.



Particular description of goods.—Vending Machines.
Claims use since September, 1909.

Ser. No. 201,005. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) G. B. MCCABE, Merced, Calif. Filed Aug. 5, 1924.

WHITE HORSE



Particular description of goods.—Fresh Vegetables—Namely, Fresh Tomatoes.
Claims use since May 1, 1924.

Ser. No. 201,385. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUY A. WADDELL, doing business as The Waddell Medicine Co., Detroit, Mich. Filed Aug. 13, 1924.



Disclaimer is made to the representation of the bottle appearing on the drawing apart from the drawing as shown. The portrait shown is that of applicant.
Particular description of goods.—Preparation for the Treatment of Tuberculosis.
Claims use since July 14, 1924.

Ser. No. 201,934. (CLASS 37. PAPER AND STATIONERY.) REESE & REESE, Baltimore, Md. Filed Aug. 27, 1924.

MOOSE-HEAD

Particular description of goods.—Wrapping Papers.
Claims use since Aug. 1, 1924.

Ser. No. 201,982. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) RENAP CORPORATION, New York, N. Y. Filed Aug. 28, 1924.

SHI-NOF

No claim is made to the words "Shi-Nof" except in the distinctive form and arrangement shown.
Particular description of goods.—Liquid for Cleaning Textile Fabrics.
Claims use since Jan. 1, 1924.

Ser. No. 202,168. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Filed Sept. 3, 1924.



No claim is made to registration of the words "Add Nothing—Ready for Use" or the words "Soap Flakes" or the words "Make Suds That Last" apart from the trade-mark shown. The horizontal lining indicates different shades of blue.
Particular description of goods.—Soap Flakes.
Claims use since July 21, 1924.

Ser. No. 202,433. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD M. BROOMHALL, Harrisburg, Pa. Filed Sept. 10, 1924.

MIDGET NAME CARDS

No claim is made to the exclusive use of the words "Name Cards" apart from the mark as shown in the drawing.
Particular description of goods.—Name Cards.
Claims use since July 1, 1922.

Ser. No. 202,652. (CLASS 37. PAPER AND STATIONERY.) CHARLES E. WEYAND & CO., New York, N. Y. Filed Sept. 15, 1924.

ENVO-TABLET

No claim is made to the word "Tablet" apart from the mark shown.
Particular description of goods.—Tablets with Envelopes to Match Packed in a Portfolio.
Claims use since September, 1922.

Ser. No. 203,082. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Sept. 25, 1924.

GRACELLA

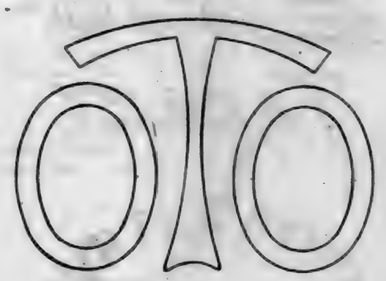
Particular description of goods.—Fabrics Made of Silk.
Claims use since Sept. 2, 1924.

Ser. No. 203,504. CLASS 23. CUTLERY, MACHINERY, AND PARTS THEREOF.) AMERICAN STAINLESS STEEL COMPANY, Pittsburgh, Pa. Filed Oct. 7, 1924.

Stainless

Particular description of goods.—Kitchen Knives, Forks, and Spoons, Carving Knives, Butcher Knives, Cleavers, Razors, Spatulas, and Turbine Blades.
Claims use since 1915.

Ser. No. 203,505. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HERBERT AUSTIN, Northfield, near Birmingham, England. Filed Oct. 7, 1924.



Particular description of goods.—Automobiles and Parts Thereof.
Claims use since June 4, 1924.

Ser. No. 203,667. (CLASS 37. PAPER AND STATIONERY.) FREDERIC T. BURKHARDT, Holyoke, Mass. Filed Oct. 10, 1924.

MILLBROOK

Particular description of goods.—Writing Paper.
Claims use since Sept. 11, 1924.

Ser. No. 203,775. (CLASS 37. PAPER AND STATIONERY.) THE A. B. C. STORES, INCORPORATED, Houston, Galveston, and Beaumont, Tex. Filed Oct. 13, 1924.

A
B C

Particular description of goods.—Paper Napkins and Toilet Paper.
Claims use since July, 1919.

Ser. No. 203,829. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MCGAVIN'S BREAD INC., Denver, Colo. Filed Oct. 13, 1924.



The line shading appearing in the drawing designates the color orange, although another color distinctive from that of the background upon which the mark appears may be used. No claim is made to the color.
Particular description of goods.—Whole-Wheat Bread.
Claims use since June 15, 1923.

Ser. No. 203,901. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PACIFIC NORTH WEST CANNING CO., Puyallup, Wash. Filed Oct. 15, 1924.

SNOWCAP

Particular description of goods.—Canned Fruit and Berries.
Claims use since Sept. 5, 1924.

Ser. No. 203,946. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) WILLIAM A. FIELD, doing business as Artscraft Broom Co., Kansas City, Mo. Filed Oct. 16, 1924.

WITCH-KRAFT

Particular description of goods.—Brooms.
Claims use since Sept. 1, 1924.

Ser. No. 204,225. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany. Filed Oct. 21, 1924.

Hora

Particular description of goods.—Chemicals for Destroying Vermin, Animal and Plant Pests.
Claims use since June 29, 1923.

Ser. No. 204,324. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Filed Oct. 23, 1924.



Particular description of goods.—General Cleansing Preparation with Water-Softening Properties.
Claims use since Oct. 7, 1924.

Ser. No. 204,568. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) REMINGTON ARMS COMPANY, INC., Bridgeport, Conn., and Ilion and New York, N. Y. Filed Oct. 29, 1924.

Hi-Speed

Applicant disclaims the word "Hi-Speed" apart from the distinctive manner of its presentation.
Particular description of goods.—Ammunition.
Claims use since about July 1, 1924.

Ser. No. 204,941. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRIANGLE CHEESE COMPANY, Monroe, Wis. Filed Nov. 6, 1924.

TRIANGLE

The lining of the drawing is for yellow.
Particular description of goods.—Cheese.
Claims use since Jan. 23, 1923.

Ser. No. 205,011. (CLASS 40. FANCY GOODS, FURNISHINGS AND NOTIONS.) THE HOUSE OF A. BLATT INC., New York, N. Y. Filed Nov. 8, 1924.

LA RENEE

Particular description of goods.—Hair Goods—Namely, Wigs to Cover Bobbed Hair.
Claims use since about Oct. 1, 1924.

Ser. No. 205,255. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) UP-TO-DATE MACHINE WORKS, INC., Chicago, Ill. Filed Nov. 13, 1924.

MIDGET

Particular description of goods.—Hat, Clothes, and Cleaning Brushes.
Claims use since Apr. 1, 1924.

Ser. No. 205,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRIES & FRIES CO., Cincinnati, Ohio. Filed Nov. 17, 1924.

FRIES-X

Particular description of goods.—Concentrated Fruit Juices Used for Flavoring Foods.
Claims use since Nov. 1, 1924.

Ser. No. 205,405. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE FRIES & FRIES CO., Cincinnati, Ohio. Filed Nov. 17, 1924.



The drawing is lined for blue.
Particular description of goods.—Concentrated Fruit Juices Used for Flavoring Foods.
Claims use since Nov. 1, 1924.

Ser. No. 205,530. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Nov. 19, 1924.

SAMONA

Particular description of goods.—Piece Goods Made of Wool.
Claims use since Aug. 25, 1924.

Ser. No. 205,610. (CLASS 37. PAPER AND STATIONERY.) AARON J. MIRSKI, New York, N. Y. Filed Nov. 20, 1924.

WEAR-EVER PENCIL

No claim is made to the word "Pencil" apart from its association shown in the drawing.
Particular description of goods.—Pencil in Combination with a Point Protector and Unit Sold as a Holder.
Claims use since May, 1924.

Ser. No. 205,717. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Nov. 22, 1924.

USG

Particular description of goods.—Plaster Board, Plaster Wall Board, Gypsum Roof Tile, Gypsum Partition Tile, Gypsum Floor Domes, Gypsum Wall Plasters, Gypsum Finishing Plasters, Gypsum Cement Plasters, Gypsum Dental Plasters, Gypsum Pottery Plasters, Gypsum Surfacing Materials, Gypsum Roof Materials.
Claims use since 1920.

Ser. No. 206,169. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) E. F. HOUGHTON & CO., Philadelphia, Pa. Filed Dec. 3, 1924.



The drawing is lined to indicate two black stripes and two green stripes. No claim is made to the representation of the goods.
Particular description of goods.—Round Leather Cord and Leather Belting.
Claims use since Mar. 17, 1924.

Ser. No. 206,308. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE E. H. JACOBS MANUFACTURING COMPANY, Danielson, Conn. Filed Dec. 5, 1924.

XXCY

Particular description of goods.—Loom Pickers of Canvas, Leather, or Rawhide, for Use in Loom Strapping.
Claims use since July 1, 1892.

Ser. No. 206,473. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FLORENCE E. BOWIE, doing business as American Nut and Spice Company, Albany, N. Y. Filed Dec. 9, 1924.



The words "Brand," "Nuts," "Confections," "Potato Chips," "Almonds 10¢," "Pnuts 5¢," and "Food Products" are disclaimed aside from the trade-mark as shown.
Particular description of goods.—Salted Nuts, Shelled Nuts, Candied Nuts, Potato Chips, Peanut-Butter Sandwiches, Doughnuts, and Candies.
Claims use since Aug. 12, 1924.

Ser. No. 206,564. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THOMAS A. DUNPHY, doing business as Arbest Wringer Company, Chicago, Ill. Filed Dec. 11, 1924.

ARBEST

Particular description of goods.—Mop wringer.
Claims use since Nov. 20, 1924.

Ser. No. 206,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERBER & CO., INC., New York, N. Y. Filed Dec. 17, 1924.

FORTUNA

Particular description of goods.—Cheese.
Claims use since November, 1924.

Ser. No. 207,036. (CLASS 39. CLOTHING.) PETER VAN RHEN & SONS, Paterson, N. J. Filed Dec. 20, 1924.

CKURE KNIT

No claim is made to the exclusive use of the word "Knit" apart from the mark as shown in the drawing.
Particular description of goods.—Hosiery and Knitted and Textile Underwear, Union Suits, and Knitted and Textile Underwear in Two-Piece Garments.
Claims use since about December, 1919.

Ser. No. 207,051. (CLASS 39. CLOTHING.) LAURENCE R. ACH, Cincinnati, Ohio. Filed Dec. 22, 1924.

From Designer to Wearer

VAL-STYLE
VALUE + STYLE
THE MADE-TO-MEASURE MILLINERY

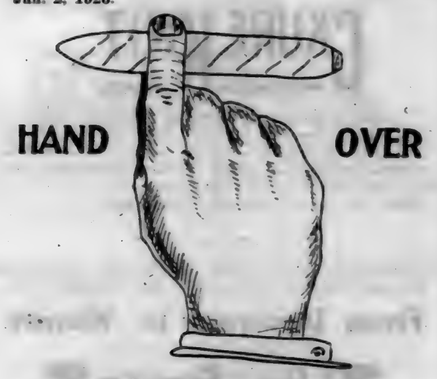
The words "From Designer to Wearer," "Value," "Style," and "Made-to-Measure Millinery," all of which appear upon the drawing submitted with said application, are hereby disclaimed, since they are descriptive.
Particular description of goods.—Ladies' Hats.
Claims use since Dec. 15, 1924.

Ser. No. 207,494. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ERSKINE ENGINEERING COMPANY, Jacksonville, Fla. Filed Dec. 31, 1924.



Particular description of goods.—Automobile Parts and Accessories—Namely, Disk Wheels, Trunk Rails, Step Plates, Toe Plates, Stop Lights, and Automobiles.
Claims use since Feb. 1, 1921.

Ser. No. 207,546. (CLASS 17. TOBACCO PRODUCTS.) BERNARD J. BLAKENEY, Johnson City, N. Y. Filed Jan. 2, 1925.



No claim is made to the representation of the goods.
Particular description of goods.—Cigars.
Claims use since Dec. 23, 1924.

Ser. No. 207,580. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Jan. 2, 1925.

FRUIT OF THE MEADOW

Particular description of goods.—Prepared Fatty Oleaginous Food Substitute.
Claims use since Apr. 1, 1895.

Ser. No. 207,822. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NATIONAL FABRIC AND FINISHING COMPANY, Boston, Mass. Filed Jan. 8, 1925.



No registration rights are claimed for the word "fabrics" apart from the mark shown in the drawing.
Particular description of goods.—Cotton Piece Goods and Cotton Fabrics, Mainly, Khaki-Colored Cotton Textiles and Cotton Moleskin Fabrics.
Claims use since about latter part of 1914.

Ser. No. 207,877. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) NATIONAL SIGN CORPORATION, Kokomo, Ind. Filed Jan. 9, 1925.



Particular description of goods.—Signs and Bulletin Boards.
Claims use since Feb. 1, 1922.

Ser. No. 207,916. (CLASS 38. PRINTS AND PUBLICATIONS.) BROWN & BIGELOW, St. Paul, Minn. Filed Jan. 10, 1925.

THE BANK MESSENGER

Particular description of goods.—Periodical Particularly Adapted to Banks and Banking Interests, Published from Time to Time.
Claims use since on or about Oct. 1, 1924.

Ser. No. 207,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DANIEL GROCERY COMPANY, Murphysboro and West Frankfort, Ill. Filed Jan. 12, 1925.

TRUST-ME

Particular description of goods.—Canned Vegetables—Namely, Tomatoes, Pumpkins, Spinach, Red Beets, Kidney Beans, Lima Beans, Peas, Corn, Succotash; Canned Fruits—Namely, Peaches, Pineapple, Apples, Strawberries, Pears, Royal Anne Cherries, Red Raspberries, Black Raspberries, Apricots, Canned Fruit Salad; Canned Sea Food—Namely, Salmon, Oysters, Tunny, Lobster, Shrimp; Relishes—Namely, Red Peppers, Ripe and Green Olives, Chili Sauce, Pickles, Tomato Catchup; Canned Meats—Namely, Sliced Beef, Bacon, Tongue, Deviled Ham, Chicken; Spices—Namely, Ginger, Allspice, Black Pepper, Celery Salt, Capers, Cinnamon, Cloves, Curry Powder, Mustard, Poultry Seasoning, Mace, Nutmeg, White Pepper, Paprika, Prepared Mustard; Salad Dressing, Coffee, Tea, Condensed Milk, Butter, Shredded Coconut; Flour—Namely, Wheat, Bran, Graham, and Buckwheat; Peanut Butter, Maple Sirup, Sugar; Fruit Preserves—Namely, Apricot Butter, Apple Butter, Grape Marmalade, Orange Marmalade, Strawberry Preserves; Food-Flavoring Extracts—Namely, Vanilla, Lemon and Almond; Alimentary Products—Namely, Macaroni and Spaghetti; Molasses, Jelly Powder, Rolled Oats, Farina, Tapioca, Lard.
Claims use since September, 1923.

Ser. No. 207,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DELICA LABORATORIES, INC., Chicago, Ill. Filed Jan. 12, 1925.

Kissproof

Particular description of goods.—Lip Sticks, Powder, and Rouge.
Claims use since on or about Aug. 17, 1923.

Ser. No. 208,137. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) J. F. GOODSON & CO. INC., and also doing business as J. F. G. Coffee Company, Morristown, Tenn. Filed Jan. 15, 1925.

BIG HIT

Particular description of goods.—Coffee.
Claims use since Feb. 2, 1921.

Ser. No. 208,184. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FAIRFAX TEXTILE MILLS, INC., New York, N. Y. Filed Jan. 16, 1925.

TRUESPUN

Particular description of goods.—English Broadcloth, a Woven Cotton Fabric.
Claims use since Dec. 30, 1924.

Ser. No. 208,308. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) NEVER-BURN HOT PLATE CO., Kansas City, Mo. Filed Jan. 19, 1925.

NEVER-BURN

Particular description of goods.—Hot Plates.
Claims use since October, 1921.

Ser. No. 208,404. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IVANHOE FRUIT ASSOCIATION, Ivanhoe, Calif. Filed Jan. 21, 1925.

Robin Hood

Particular description of goods.—Fresh Deciduous Fruits and Fresh Grapes.
Claims use since July 1, 1923.

Ser. No. 208,424. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ADOLPHE SCHLOSS FILS & CIE, Paris, France. Filed Jan. 21, 1925.



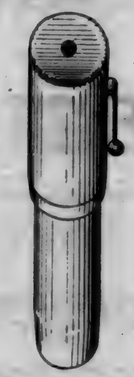
Particular description of goods.—Dolls.
Claims use since Dec. 1, 1924.

Ser. No. 208,459. (CLASS 2. RECEPTACLES.) GEORGE E. DAVISON, St. Helens, Oreg. Filed Jan. 22, 1925.

KANT-D-KAY

Particular description of goods.—Caskets, Casket Containers, and Septic Tanks.
Claims use since Jan. 5, 1925.

Ser. No. 208,487. (CLASS 37. PAPER AND STATIONERY.) SANFORD PEN COMPANY, INC., New York, N. Y. Filed Jan. 22, 1925.



Trade-mark consists of a red dot upon an end of a fountain pen. No claim is made to the illustration of the fountain pen itself.
Particular description of goods.—Fountain Pens and Fountain-Pen Caps.
Claims use since Dec. 15, 1924.

Ser. No. 208,566. (CLASS 39. CLOTHING.) CAMLIN CORSET CO. INC., New York, N. Y. Filed Jan. 24, 1925.

ALLTOGETHER

Particular description of goods.—Combination Brassière and Corset of Partly-Textile and Partly-Elastic Fabric.
Claims use since Jan. 1, 1925.

Ser. No. 208,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSO HOT SPRINGS, INC., Coso Hot Springs and Los Angeles, Calif. Filed Jan. 26, 1925.

COSO

Trade-mark consists of the word "Coso" printed in red.

Particular description of goods.—Medicinal Mineral Water and Mineral Muds.

Claims use since Mar. 1, 1923.

Ser. No. 208,674. (CLASS 39. CLOTHING.) PARKER-BRIDGET COMPANY, Washington, D. C. Filed Jan. 26, 1925.

Warwick Lodge

Particular description of goods.—Women's Sweaters, Skirts, Blouses, Hats, and Dresses.

Claims use since Mar. 1, 1924.

Ser. No. 208,714. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLAN O. MOLATCH, New York, N. Y. Filed Jan. 27, 1925.

UKLENZIT

Particular description of goods.—Chemical Solvent and Water-Softening Compound Used for Cleansing Purposes.

Claims use since July 1, 1924.

Ser. No. 208,850. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) HAINES MANUFACTURING CORPORATION, Rochester, N. Y. Filed Jan. 30, 1925.

HY-JAY

Particular description of goods.—Automobile Accessories—Namely, Radiator Ornament.

Claims use since Nov. 14, 1924.

Ser. No. 208,858. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MARIA'S GARDEN, Kirkwood, Mo. Filed Jan. 30, 1925.

Maria's Wonder Bed

Particular description of goods.—Seeds.

Claims use since Feb. 15, 1923.

Ser. No. 208,859. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MARIA'S GARDEN, Kirkwood, Mo. Filed Jan. 30, 1925.

My Kiddies Garden

Particular description of goods.—Seeds.

Claims use since on or about Feb. 15, 1923.

Ser. No. 208,861. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH NATHAN & CO., LIMITED, London, England. Filed Jan. 30, 1925.

GLAX-OVO

Particular description of goods.—Preparation in Powdered Form Consisting Principally of Dried Milk, Cocoa, Barley Kernels, and Malt, for Making a Beverage.

Claims use since Oct. 1, 1924.

Ser. No. 208,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINDSOR DRUG CORP. INC., Camden, N. J. Filed June 30, 1925.

VIG

The lining of the drawing indicates a blue background with red letters.

Particular description of goods.—Tonic for Building Up and Invigorating the Human System.

Claims use since June 15, 1924.

Ser. No. 208,953. (CLASS 39. CLOTHING.) MILDRED Q. BILLINGS, Kansas City, Mo. Filed Feb. 2, 1925.

Jacks Jane Nifty Frocks

The words "Nifty Frocks" are disclaimed apart from the mark shown.

Particular description of goods.—Children's Dresses and Children's Dresses Cut Out and Ready to Finish by Seaming.

Claims use since Jan. 20, 1925.

Ser. No. 208,983. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARVEY S. HAYNES, doing business as H. S. Haynes Manufacturing Company, Minneapolis, Minn. Filed Feb. 2, 1925.

EAL IT

Particular description of goods.—Liquid Compound for Stopping Leaks in Automobile Radiators, Furnaces, Steam or Water Lines, Gas-Engine-Cooling Systems, Etc.

Claims use since on or about Dec. 1, 1924.

Ser. No. 208,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KRAFT CHEESE COMPANY, Chicago, Ill. Filed Feb. 2, 1925.

KRAFT CHEESE

The words of the trade-mark are usually written in black, with the remainder usually in red, as indicated in drawing. No claim is made of the word "Cheese" apart from the mark shown.

Particular description of goods.—Cheese.

Claims use since June, 1922.

Ser. No. 209,000. (CLASS 39. CLOTHING.) ROME MANUFACTURING COMPANY, Rome, Ga. Filed Feb. 2, 1925.

BES-BILT

Particular description of goods.—Men's and Boys' Suits and Pants, Work Shirts, Dress Shirts, and Overalls.

Claims use since Jan. 20, 1925.

Ser. No. 209,050. (CLASS 38. PRINTS AND PUBLICATIONS.) LONG ISLAND STAR PUBLISHING CO., Long Island City, N. Y. Filed Feb. 3, 1925.

DAILY STAR

Trade-mark consists of the words "Daily Star" and the illustration of a star with radiating lines.

Particular description of goods.—Daily Newspaper.

Claims use since Nov. 3, 1877.

Ser. No. 209,052. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JOHN R. MUNN, doing business as J. R. Munn Co., New York, N. Y. Filed Feb. 3, 1925.

Lunnun-Mall

Trade-mark consists of the word "Lunnun-Mall."

Particular description of goods.—Cotton, Silk, and Wool Shirtings and Mixtures of the Same and Woolen Piece Goods.

Claims use since Jan. 16, 1925.

Ser. No. 209,060. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Feb. 3, 1925.

STIFEL

PANTEX

Particular description of goods.—Cotton Piece Goods.

Claims use since May 12, 1924.

Ser. No. 209,109. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. L. STIFEL & SONS, Wheeling, W. Va. Filed Feb. 4, 1925.

STIFEL

Particular description of goods.—Prints, Drills, and Denims in the Piece.

Claims use since August, 1924.

Ser. No. 209,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRACKEN BROTHERS, Corfy, Pa. Filed Feb. 9, 1925.

PEBBLE BROOK

Particular description of goods.—Butter.

Claims use since Jan. 1, 1900.

Ser. No. 209,291. CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDWARD M. GALLIHER, doing business as Peoples Drug Company, Muncie, Ind. Filed Feb. 9, 1925.



No claim is made to the exclusive use of either of the words except as part of the combination constituting the trade-mark and expressly disclaims the words apart from their association with each other.

Particular description of goods.—Face and Hand Lotion.

Claims use since Dec. 1, 1910.

Ser. No. 209,377. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRED BAUMBERGER, Washington, Pa. Filed Feb. 11, 1925.



Particular description of goods.—Picnic-Ham Salad.

Claims use since Sept. 15, 1921.

Ser. No. 209,404. (CLASS 39. CLOTHING.) MAX GREENBERG & Co., New York, N. Y. Filed Feb. 11, 1925.

Frenchshire

Particular description of goods.—Dresses, Dress Waists, Outer Suits, and Coats for Women, Misses, and Juniors.

Claims use since September, 1924.

Ser. No. 209,414. (CLASS 39. CLOTHING.) LEVY & GOBT, New York, N. Y. Filed Feb. 11, 1925.



No claim is made to the exclusive use of the words "Reversible Dress" or to the representation of the dresses apart from the mark as shown in the drawing.

Particular description of goods.—Children's and Girls' Dresses.

Claims use since Jan. 21, 1925.

Ser. No. 209,446. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN-CROSBY COMPANY, Minneapolis, Minn. Filed Feb. 11, 1925.

PORRIES

Particular description of goods.—Cereal Breakfast Food Product.

Claims use since Jan. 9, 1925.

Ser. No. 209,563. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS R. CUNEO, doing business as John B. Cuneo & Sons, Boston, Mass. Filed Feb. 14, 1925.

KUNEO

Particular description of goods.—Bottled Spaghetti Sauce.

Claims use since Feb. 1, 1924.

Ser. No. 209,576. (CLASS 5. ADHESIVES.) JASMINE INK CORPORATION, Norfolk, Va. Filed Feb. 14, 1925.



All wording with the exception of "J. I. C." is disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Liquid Paste.

Claims use since April, 1924.

Ser. No. 209,579. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LIME COLA BOTTLING COMPANY, Roxboro, N. C. Filed Feb. 14, 1925.

REX

Particular description of goods.—Nonalcoholic, Nonecreal, Maltless Beverage.

Claims use since Dec. 28, 1924.

Ser. No. 209,801. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. MAURICE & Co., LIMITED, Willesden, London, England. Filed Feb. 18, 1925.



Particular description of goods.—Bread, Biscuit, Biscuit Meal, Pastry Flour, Macaroni, Tapioca, Semolina, Cocoa Essence, Rusks, and Protein Food, a Preparation Composed of Dried Milk and Wheat and Other Ingredients.

Claims use since April, 1915.

Ser. No. 209,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MERSEL & HIRSCHHORN, New York, N. Y. Filed Feb. 18, 1925.



Darling

The picture appearing upon the drawing is fanciful.

Particular description of goods.—Rye Bread.

Claims use since 1919.

Ser. No. 209,804. (CLASS 15. OILS AND GREASES.) GUY S. MILLER, doing business as G. S. Miller and Co., Torrington, Conn. Filed Feb. 18, 1925.

FIREZONE

Particular description of goods.—Lubricant Used in Gasoline.

Claims use since Jan. 1, 1924.

Ser. No. 209,846. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUSTLER TOY CORPORATION, Sterling, Ill. Filed Feb. 19, 1925.

HUSTLER

Particular description of goods.—Toys and Games—Namely, Mechanical Toys, Toy Figures Representing Human Beings, Animals, and Birds; Toy Beads and Containers in the Nature of Toys; Toy Baseball, Football, and Golf Games.

Claims use since Feb. 2, 1925.

Ser. No. 209,914. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GUILMONT & PETERS, Chicago, Ill. Filed Feb. 20, 1925.

DRABOLINE

Particular description of goods.—Chemical Compound Used as a Tint for the Hair.

Claims use since Jan. 2, 1920.

Ser. No. 209,939. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) POSTL, INC., Chicago, Ill. Filed Feb. 20, 1925.

VIGOROIL



Trade-mark consists of the coined word "Vigoroil" accompanied by the fanciful figure of an athlete standing sidewise with arms extended.

Particular description of goods.—Massage Oil.

Claims use since Sept. 1, 1924.

Ser. No. 209,975. (CLASS 39. CLOTHING.) CISCO, INC., New York, N. Y. Filed Feb. 21, 1925.



The words "Pure Wool" and "Made in Scotland" are disclaimed apart from the mark shown.

Particular description of goods.—Ladies' and Gentlemen's Mufflers.

Claims use since Sept. 1, 1922.

Ser. No. 210,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TRISTATE BAKING COMPANY INC., Flint, Mich. Filed Feb. 21, 1925.



The word "Bread" and the phrase "Rich in Gluten" are disclaimed apart from the manner shown in the drawing.

Particular description of goods.—Bread.

Claims use since Jan. 17, 1925.

Ser. No. 210,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANROL J. GEORGOPOULOS, Wichita, Kans. Filed Feb. 24, 1925.



No claim is made for "Asclépias" apart from the mark shown by the drawing.

Particular description of goods.—Medicinal Salve for the Treatment of Old Chronic Sores of Long Standing, Cuts, Burns, Skin Diseases, Ringworms, Boils, Carbuncles, Eczema, Shingles, Erysipelas, Sore Lips, Sore Mouth, Gangrene, Abscesses, and Wounds of Every Nature and as a Preventive of Blood Poison.

Claims use since Aug. 5, 1924.

Ser. No. 210,076. CLASS 6. (CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHYSICIANS DIAGNOSTIC LABORATORIES, Berkeley, Calif. Filed Feb. 24, 1925.



The lining of drawing represents shading.

Particular description of goods.—Acidophilus Milk, Acidophilus Concentrated Cultures.

Claims use since Jan. 1, 1924.

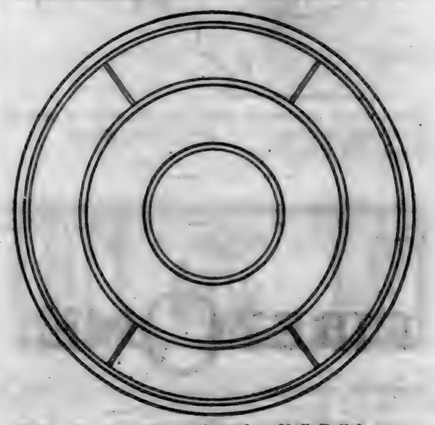
Ser. No. 210,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIVE CARBOX CORPORATION, Trenton, N. J. Feb. 25, 1925.



Particular description of goods.—Decolorizing Carbons.

Claims use since Apr 1, 1919.

Ser. No. 210,112. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIL, INC., New York, N. Y. Filed Feb. 25, 1925.



Particular description of goods.—Nail Polish.

Claims use since on or before Dec. 9, 1924.

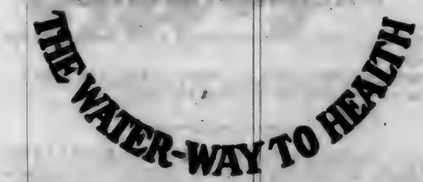
Ser. No. 210,179. (CLASS 39. CLOTHING.) LOTUS, LIMITED, Stafford, England. Filed Feb. 26, 1925.



Particular description of goods.—Boots and Shoes Made of Leather.

Claims use since June, 1924.

Ser. No. 210,182. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) PAULSON MEDICINAL WELL CO., Saratoga, Wyo. Filed Feb. 26, 1925.



Particular description of goods.—Mineral Water.

Claims use since about Nov. 23, 1914.

Ser. No. 210,203. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WALTHOUR & HOOD COMPANY, INCORPORATED, Atlanta, Ga. Filed Feb. 26, 1925.

The words "Service First—Quality Always" are disclaimed apart from the mark shown.

Particular description of goods.—Children's Bicycles, Velocipedes, Juvenile Automobiles, and Hand Cars, Fishing Rods, Canoe Paddles, Tennis Rackets, and Fishing Lines.

Claims use since Dec. 30, 1923.

Ser. No. 210,219. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. S. BOCKSTEIN, doing business as H. S. Bockstein Co., Brooklyn, New York. Filed Feb. 27, 1925.

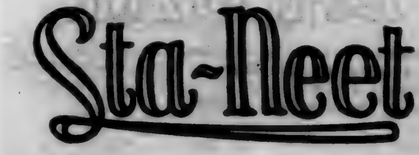


Applicant disclaims any right to the descriptive term "Sealed."

Particular description of goods.—Handkerchiefs.

Claims use since Nov. 15, 1924.

Ser. No. 210,224. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH S. CUTRONA, doing business as Gold Seal Specialty Co., Buffalo, N. Y. Filed Feb. 27, 1925.



Particular description of goods.—Hair Lotion and Hair-Fixing Solution with Incidental Tonic Properties.

Claims use since Jan. 12, 1925.

Ser. No. 210,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Feb. 27, 1925.



The lining shown in the drawing is used for shading purposes and is disclaimed.

Particular description of goods.—Wheat Flour.

Claims use since Dec. 10, 1924.

Ser. No. 210,337. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AIR REDUCTION COMPANY, INCORPORATED, New York, N. Y. Filed Mar. 2, 1925.

AIRCO-D-B

Particular description of goods.—Oxyacetylene Welding and Cutting Apparatus.

Claims use since Feb. 5, 1923.

Ser. No. 210,365. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERSCHEL F. COLE, Los Angeles, Calif. Filed Mar. 2, 1925.

DA-GAR

Particular description of goods.—Composition of Date and Agar for Internal Use as a Restorative of Normal Peristaltic Action.
Claims use since Feb. 3, 1925.

Ser. No. 210,379. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GIRARD & CO., INC., Bridgeport, Conn., and Mount Vernon, N. Y. Filed Mar. 2, 1925.

Gir-Cedar

No claim is made to the word "Cedar" apart from the mark shown in the drawing.
Particular description of goods.—Polish for Painted, Varnished, or Polished Surfaces, Which Possesses Incidentally the Properties of a Cleaner.
Claims use since Mar. 31, 1923.

Ser. No. 210,402. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK M. PHELPS, Usk, Wash. Filed Mar. 2, 1925.



Particular description of goods.—Dolls.
Claims use since Feb. 1, 1925.

Ser. No. 210,424. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) GEORGE M. SPINDLER, Indianapolis, Ind. Filed Mar. 2, 1925.

RADIOLITE

Particular description of goods.—Lamp Shades and Brackets Therefor.
Claims use since Jan. 10, 1925.

Ser. No. 210,455. (CLASS 7. CORDAGE.) HOOPER PAPER & TWINE CO., INC., Philadelphia, Pa. Filed Mar. 3, 1925.



PREMIER BRAND

The word "Brand" is disclaimed apart from the mark shown.
Particular description of goods.—Twine and Rope.
Claims use since about June 15, 1921.

Ser. No. 210,509. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) C. H. STEERE, doing business as California Art Supply Co., Palo Alto, Calif. Filed Mar. 3, 1925.

PLASTICO

Particular description of goods.—Art Clay.
Claims use since June 1, 1924.

Ser. No. 210,542. (CLASS 39. CLOTHING.) THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Mar. 5, 1925.



Particular description of goods.—Shoes Made of Leather.
Claims use since 1902.

Ser. No. 210,567. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SAMUEL LEWIS, New York, N. Y. Filed Mar. 5, 1925.

PREFERENCE MOP

The word "Mop" is disclaimed apart from the mark shown in the drawing. Trade-mark consists of the words "Preference Mop."
Particular description of goods.—Mops.
Claims use since Jan. 1, 1917.

Ser. No. 210,576. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) PINE TREE MILKING MACHINE CO., Chicago, Ill. Filed Mar. 5, 1925.

Surge

Particular description of goods.—Milker Units.
Claims use since Jan. 27, 1925.

Ser. No. 210,587. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SUFFLER-BIDDLE HARDWARE COMPANY, Philadelphia, Pa. Filed Mar. 5, 1925.

SNAPPY-BOY

Particular description of goods.—Coaster Wagons.
Claims use since about Sept. 4, 1924.

Ser. No. 210,606. (CLASS 2. RECEPTACLES.) CORRUGATED PAPER MILLS, Natick, Mass. Filed Mar. 6, 1925.



Corrugate-Ed
THE BETTER BOXER

Particular description of goods.—Corrugated Shipping Containers, Boxes, Cartons, Tubes, and Board.
Claims use since January, 1924.

Ser. No. 210,607. (CLASS 39. CLOTHING.) FELDSTEIN & KRAMER, New York, N. Y. Filed Mar. 6, 1925.

Fit-Rite

Particular description of goods.—Men's Caps.
Claims use since about Jan. 17, 1925.

Ser. No. 210,608. (CLASS 39. CLOTHING.) FELDSTEIN & KRAMER, New York, N. Y. Filed Mar. 6, 1925.

TOMMY TUCKER

Particular description of goods.—Men's Caps.
Claims use since about Jan. 17, 1925.

Ser. No. 210,620. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RED STAR OIL & PRODUCTS CO., INC., Brooklyn, N. Y. Filed Mar. 6, 1925.

Purifat

Particular description of goods.—Chicken-Style Fat.
Claims use since Nov. 20, 1924.

Ser. No. 210,655. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FULLER-MORRISSON COMPANY, Chicago, Ill. Filed Mar. 7, 1925.

MOROSAN

Particular description of goods.—Boric Acid, Oxalic Acid, Alum, Borax, Licorice, Cream of Tartar, Epsom Salts, Flaxseed Meal, Flaxseed Whole, Fuller's Earth for Medicinal Purposes, Henna Leaves, Moth Balls, Orris Root, Permanganate Potash, Rochelle Salts, Sage Leaves, Saltpeter, Senna Leaves, Soda Bicarbonate, Sodium Fluoride, Sulphur Flowers, Carbolic Acid, Bay Rum, Cascara Aromatic, Essence of Peppermint, Glycerin, Glycerin and Rose Water, Castor Oil, Aromatic Castor Oil, Camphorated Oil, Aromatic Spirits of Ammonia, Spirits of Camphor, Spirits of Turpentine for Medicinal Purposes, Sweet Spirits of Niter, Tincture of Arnica, Tincture of Jamaica Ginger, Tincture of Iodine, Witch-Hazel, and Tincture of Larkspur.
Claims use since Nov. 15, 1924.

Ser. No. 210,690. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Mar. 7, 1925.

Holly

Particular description of goods.—Candles.
Claims use since Dec. 1, 1923.

Ser. No. 210,702. (CLASS 39. CLOTHING.) MILDRED ALICE BERKELEY, doing business as Bob & Betty Shop, Kansas City, Mo. Filed Mar. 9, 1925.



Bob & Betty Shop

Particular description of goods.—Children's Dresses, Frocks, Coats, Hats; Leather, Knitted Fabric, and Textile Fabric Shoes; Hose, Bonnets, Furs; Leather, Knitted Fabric, and Textile Fabric Gloves; Knitted Fabric Mittens, Scarfs, Leggings, Sweater Suits, Knitted and Textile Fabric Underwear, Ties, and Layettes, Including Dresses, Shirts, Bands, Binders, Stockings, Bootees, Coats, Bonnets, Skirts, Sacks, Buntings, Pants, Nightgowns, and Bibs.
Claims use since May 7, 1921.

Ser. No. 210,711. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARTER-MAYHEW MANUFACTURING COMPANY, Minneapolis, Minn. Filed Mar. 9, 1925.



No claim is made to the words "Automatic Weighing Feeders" apart from the mark as shown in the drawing.
Particular description of goods.—Grain Separating and Cleaning Machines and Automatic Weighing Feeders.
Claims use since on or about Jan. 1, 1920.

Ser. No. 210,747. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE ONLEE PISTON RING COMPANY, Baltimore, Md. Filed Mar. 9, 1925.

ONLEE

Particular description of goods.—Piston Rings.
Claims use since Jan. 17, 1925.

Ser. No. 210,750. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PLA PAL CORPORATION, St. Paul, Minn. Filed Mar. 9, 1925.

PLAPAL

Particular description of goods.—Coaster Wagons.
Claims use since Jan. 15, 1925.

Ser. No. 210,852. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Mar. 11, 1925.

RAYLIGHT

Particular description of goods.—Rag Mantles.
Claims use since Mar. 4, 1925.

Ser. No. 210,865. (CLASS 12. CONSTRUCTION MATERIALS.) TACOMA VENEER COMPANY, Tacoma, Wash. Filed Mar. 11, 1925.

AROBORD

Particular description of goods.—One-Ply Boards to Which Paper Has Been Applied on Both Sides.
Claims use since Oct. 14, 1924.

Ser. No. 210,890. (CLASS 5. ADHESIVES.) DUO LABORATORIES, INC., Highland Park, N. J. Filed Mar. 12, 1925.

LAB. DUO INC.

Particular description of goods.—Liquid Adhesive.
Claims use since Jan. 1, 1925.

Ser. No. 210,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PARK & TILFORD, New York, N. Y. Filed Mar. 12, 1925.

"The White Box"

P&T FOUNDED 1840

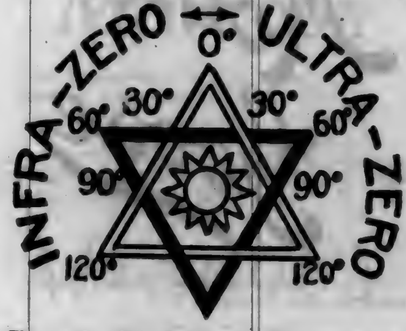
No claim of right to exclusive use of the word and figures "Founded 1840" apart from the mark as shown in the accompanying drawing is made, and no claim of exclusive right to exclusive use of a box colored white being made.
Particular description of goods.—Chocolates and Candies.
Claims use since Nov. 1, 1924.

Ser. No. 210,930. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) J. & J. SLATER, INC., New York, N. Y. Filed Mar. 12, 1925.

PIGOAT

Particular description of goods.—Dressed Leather.
Claims use since Feb. 10, 1925.

Ser. No. 210,931. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SPECTRO-CHROME INSTITUTE (INCORPORATED), Malaga, N. J. Filed Mar. 12, 1925.



The words "Infra-Zero" and "Ultra-Zero" and the degree values appearing in the mark are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Apparatus for Registering the Color-Wave Value or Radioactive and Radioemanative Value of the Human Body and the Like.
Claims use since Feb. 21, 1925.

Ser. No. 210,932. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) SPECTRO-CHROME INSTITUTE (INCORPORATED), Malaga, N. J. Filed Mar. 12, 1925.

ITISOMETER

Particular description of goods.—Apparatus for Registering the Color-Wave Value or Radioactive and Radioemanative Value of the Human Body and the Like.
Claims use since Feb. 21, 1925.

Ser. No. 210,957. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) EVEREADY MFG. COMPANY OF BOSTON, Worcester, Mass. Filed Mar. 13, 1925.

EVEREADY

Particular description of goods.—Metallic Staple Tape.
Claims use since early part of December, 1915.

Ser. No. 210,961. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDSTEIN-WILKINS CORPORATION, New York, N. Y. Filed Mar. 13, 1925.

Photo Radio Prints

The word "Prints" is disclaimed apart from the mark shown.
Particular description of goods.—Textile Fabrics—Namely, Silk, Artificial Silk, Wool, and Cotton and Combinations Thereof.
Claims use since Feb. 2, 1925.

Ser. No. 210,968. (CLASS 39. CLOTHING.) CHAS. H. LEVITT & CO. INC., New York, N. Y. Filed Mar. 13, 1925.

Landco

Particular description of goods.—Men's, Women's, Boys', and Children's Sweaters, Bathing Suits, Shawls, Scarfs, Caps, Hoods, and Knitted Boots.
Claims use since Jan. 1, 1901.

Ser. No. 210,977. (CLASS 38. PRINTS AND PUBLICATIONS.) OHRBACH'S AFFILIATED STORES, INC., New York, N. Y. Filed Mar. 13, 1925.

Ohrbach's THE WORLD'S STORE OF A MILLION GIFTS
Miracle Messenger

Particular description of goods.—Monthly Publications.
Claims use since Aug. 14, 1924.

Ser. No. 211,027. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GREAT ATLANTIC AND PACIFIC TEA COMPANY, Jersey City, N. J. Filed Mar. 14, 1925.

Queen Anne

Particular description of goods.—Marmalade.
Claims use since Jan. 2, 1925.

Ser. No. 211,031. (CLASS 39. CLOTHING.) ICAS SLIPPER COMPANY, INC., New York, N. Y. Filed Mar. 14, 1925.

ICAS

Particular description of goods.—Shoes and Slippers Consisting of Leather Soles and of Uppers of Leather, Camel's Hair, Felt, or Other Fabric or of Combinations of Such Materials.
Claims use since Oct. 1, 1924.

Ser. No. 211,035. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) WALTER C. KAHN, Woodmere, N. Y. Filed Mar. 14, 1925.

LIVLONG

Particular description of goods.—Leather Pocketbooks.
Claims use since Mar. 1, 1925.

Ser. No. 211,108. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID S. KANSTOROOM, doing business as Physicians Endolin Bureau, Chicago, Ill. Filed Mar. 16, 1925.

Endolin

Particular description of goods.—Pharmaceutical Preparation Composed of Animal-Gland Substances for Ovarian and Testicular Insufficiencies and Kindred Ailments.
Claims use since Dec. 20, 1924.

Ser. No. 211,122. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHELPS & SIBLEY CO., INC., Cuba, N. Y. Filed Mar. 16, 1925.

Paco

Particular description of goods.—Feeds for Poultry, Cattle, and Horses.
Claims use since Jan. 1, 1920.

Ser. No. 211,124. (CLASS 39. CLOTHING.) THE REGAL RUBBER COMPANY, Dayton, Ohio. Filed Mar. 16, 1925.

SERT-ON

Particular description of goods.—Soles for Shoes.
Claims use since Mar. 6, 1925.

Ser. No. 211,140. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) UNITED DRUG COMPANY, Boston, Mass. Filed Mar. 16, 1925.

Mother Goose

Particular description of goods.—Nursing Nipples.
Claims use since September, 1919.

Ser. No. 211,141. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) UNITED DRUG COMPANY, Boston, Mass. Filed Mar. 16, 1925.

Cherub

Particular description of goods.—Nursing Nipples.
Claims use since March, 1919.

Ser. No. 211,143. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Mar. 16, 1925.

WCCO

Particular description of goods.—Wheat Flour.
Claims use since Feb. 25, 1925.

Ser. No. 211,144. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ABRAMS & LINDEN, New York, N. Y. Filed Mar. 17, 1925.

Marcoon

Particular description of goods.—Furs.
Claims use since Februray, 1925.

Ser. No. 211,145. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ABRAMS & LINDEN, New York, N. Y. Filed Mar. 17, 1925.

MINKONY

Particular description of goods.—Furs.
Claims use since Nov. 15, 1924.

Ser. No. 211,155. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CINCINNATI PLANER COMPANY, Cincinnati, Ohio. Filed Mar. 17, 1925.

HYPRO

Particular description of goods.—Metal Planers.
Claims use since June 1, 1924.

Ser. No. 211,168. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE HARTMANN FOOD PRODUCT CO., INC., New York, N. Y. Filed Mar. 17, 1925.

Bakopan

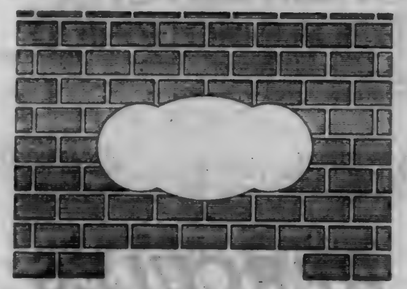
Particular description of goods.—Imitation Macaroon Paste.
Claims use since Dec. 1, 1924.

Ser. No. 211,180. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) ROBSTOWN COTTON SEED COMPANY, Robstown, Tex. Filed Mar. 17, 1925.

PENNANT

Particular description of goods.—Cottonseed for Planting Purposes Only.
Claims use since Feb. 1, 1922.

Ser. No. 211,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN-MAN CHOCOLATES COMPANY, Boston, Mass. Filed Mar. 17, 1925.



The conventional lining for color shown on the drawing indicates no particular color and is for the purpose only of giving character to the design, mere color as such being disclaimed.
Particular description of goods.—Candy.
Claims use since Mar. 7, 1925.

Ser. No. 211,182. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE "SAVE-M" FIRE-EXTINGUISHER COMPANY, Cincinnati, Ohio. Filed Mar. 17, 1925.

SAVE-M

Particular description of goods.—Hand Fire-Extinguishing Apparatus.
Claims use since Aug. 23, 1923.

Ser. No. 211,183. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SEATOWN NOVELTY CO. INC., New York, N. Y. Filed Mar. 17, 1925.

SEATOWN

Particular description of goods.—Mechanical Razor Stroppers.
Claims use since Dec. 1, 1924.

Ser. No. 211,184. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SEATOWN NOVELTY CO. INC., New York, N. Y. Filed Mar. 17, 1925.

SEATOWN

Particular description of goods.—Mechanical Razor Stroppers.
Claims use since Dec. 1, 1924.

Ser. No. 211,209. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 18, 1925.

HERCULES

Particular description of goods.—Rosin.
Claims use since Jan. 1, 1922.

Ser. No. 211,210. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HERCULES POWDER COMPANY, Wilmington, Del. Filed Mar. 18, 1925.



Particular description of goods.—Rosin.
Claims use since Jan. 1, 1922.

Ser. No. 211,223. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) PEARLEE-GAULBERT CO., Louisville, Ky. Filed Mar. 18, 1925.

PEGEX

Particular description of goods.—Pyroxylin Lacquers and Paint Enamels.
Claims use since Mar. 1, 1925.

Ser. No. 211,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY NORMAN SAURAGE, doing business as Baton Rouge Coffee Mills, Baton Rouge, La. Filed Mar. 18, 1925.

COMMUNITY BRAND

The word "Brand" is disclaimed apart from the other features of the mark as shown in the drawing.
Particular description of goods.—Coffee.
Claims use since Apr. 1, 1919.

Ser. No. 211,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJ. J. BAUM CO., San Francisco, Calif. Filed Mar. 19, 1925.



Applicant disclaims the exclusive right to the use of the word "Slicer" apart from the mark as shown.
Particular description of goods.—Chocolate-Covered Candy Confection.
Claims use since Feb. 24, 1925.

Ser. No. 211,264. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GALL-OAKLEY & ALLEN, INC., New York and Long Island City, N. Y. Filed Mar. 19, 1925.

GO-A-CO

Particular description of goods.—Dry and Ready-Mixed Paints.
Claims use since Apr. 24, 1924.

Ser. No. 211,265. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GALL-OAKLEY & ALLEN, INC., New York and Long Island City, N. Y. Filed Mar. 19, 1925.

GLO-LITE

Particular description of goods.—Dry and Ready-Mixed Paints.
Claims use since Apr. 24, 1924.

Ser. No. 211,280. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) J. C. PENNEY COMPANY, Wilmington, Del., and New York, N. Y. Filed Mar. 19, 1925.

KYBER
BROADCLOTH

Applicant disclaims exclusive right to the word "Broadcloth" apart from the mark shown on the drawing.
Particular description of goods.—Domestic Cotton Broadcloth Piece Goods.
Claims use since Mar. 7, 1925.

Ser. No. 211,293. (CLASS 38. PRINTS AND PUBLICATIONS.) HERBERT F. PRESCOTT, Albany, N. Y. Filed Mar. 19, 1925.

"KLIPS"

Particular description of goods.—Collections of Clippings from Newspapers and Magazines.
Claims use since June 25, 1903.

Ser. No. 211,310. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY L. ALFORD, Chicago, Ill. Filed Mar. 20, 1925.

Rhythmonic

Particular description of goods.—Sheet Music.
Claims use since May 31, 1922.

Ser. No. 211,318. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BALDPATE COMPANY, INC., New York, N. Y. Filed Mar. 20, 1925.

RAITONE

Particular description of goods.—Hair Tonic.
Claims use since Mar. 2, 1925.

Ser. No. 211,341. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DUQUESNE PAINT COMPANY, Pittsburgh, Pa. Filed Mar. 20, 1925.

FORT PITT

Particular description of goods.—Ready-Mixed Paints, Colors in Oil, and White Lead.
Claims use since about 1884.

Ser. No. 211,355. (CLASS 38. PRINTS AND PUBLICATIONS.) S. ROLAND HALL, Easton, Pa. Filed Mar. 20, 1925.

The ADVERTISING COUNSELOR & AGENT

Particular description of goods.—Bimonthly Publication.
Claims use since Oct. 23, 1924.

Ser. No. 211,360. (CLASS 39. CLOTHING.) HARRY KITZINGER, doing business as Harry Kitzinger & Company, New York, N. Y. Filed Mar. 20, 1925.

KITZII COAT

Trade-mark consists of the words "Kitzi Coat." No claim is made to the exclusive use of the word "Coat" apart from the mark as shown in the drawing.
Particular description of goods.—Children's Coats.
Claims use since May 1, 1924.

Ser. No. 211,366. (CLASS 12. CONSTRUCTION MATERIALS. THE MEDAL BRICK & TILE CO., Cleveland, Ohio. Filed Mar. 20, 1925.

AGECROST

Particular description of goods.—Brick.
Claims use since July, 1924.

Ser. No. 211,373. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTHWESTERN LEATHER COMPANY, Boston, Mass. Filed Mar. 20, 1925.

ELKO

Particular description of goods.—Leather.
Claims use since Jan. 1, 1922.

Ser. No. 211,407. (CLASS 2. RECEPTACLES.) C. BRUNO & SON, INC., New York, N. Y. Filed Mar. 21, 1925.

KOZY KASE

No claim is made to the word "Kase" apart from the mark shown in the drawing.
Particular description of goods.—Musical-Instrument Cases.
Claims use since Mar. 17, 1925.

Ser. No. 211,429. (CLASS 38. PRINTS AND PUBLICATIONS.) RAMER REVIEWS, INC., New York, N. Y. Filed Mar. 21, 1925.

ARTISTS and MODELS

Particular description of goods.—Printed Periodical Published Monthly and at Other Intervals.
Claims use since Mar. 20, 1925.

Ser. No. 211,479. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE KEX MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 23, 1925.

KEX

Particular description of goods.—Puncture Plug for Automobile Tires.
Claims use since Jan. 2, 1925.

Ser. No. 211,480. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. M. KIMBALL COMPANY, Winthrop, Mass. Filed Mar. 23, 1925.

RED CAP

Particular description of goods.—Furniture Polish.
Claims use since Jan. 6, 1925.

Ser. No. 211,495. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL MYER SCHMIDT, doing business as The Evlas Co., Boston, Mass. Filed Mar. 23, 1925.

E S
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No claim is made to the word "Salve."
Particular description of goods.—Salve for Medicinal Purposes for Burns, Scalds, Wounds, Sores, Cuts, Bruises, Itching, Eczema, Ringworms, Pimples, Chapped or Cracked Hands, Boils, and Swellings.
Claims use since Apr. 1, 1924.

Ser. No. 211,526. (CLASS 39. CLOTHING.) GATELY CLOTHING COMPANY, Chicago, Ill. Filed Mar. 24, 1925.

ANCHOR BLUE

No claim is made herein to the word "Blue" apart from the mark shown.
Particular description of goods.—Men's Coats, Vests, Pants, and Suits.
Claims use since about Oct. 1, 1924.

Ser. No. 211,528. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE GRISCOM-RUSSELL COMPANY, New York, N. Y. Filed Mar. 24, 1925.

BENTUBE

Particular description of goods.—Evaporators, Deaerators, and Heat Exchangers.
Claims use since Apr. 20, 1922.

Ser. No. 211,538. (CLASS 43. THREAD AND YARN.) NAAMLOOZE VENNOOTSCHAP NEDERLANDSCHE KUNSTZIJDEFABRIEK, Arnhem, Netherlands. Filed Mar. 24, 1925.

AMPLUM

Particular description of goods.—Threads and Yarn of Artificial Silk, Cotton, Mercerized Cotton, Linen, Wool, Artificial Wool, Staple Fibers, Silk, and Mixed Fibers.
Claims use since July 1, 1924.

Ser. No. 211,560. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) LOUIS WOLF & CO., New York, N. Y. Filed Mar. 24, 1925.

Pete and the Monk

Particular description of goods.—Mechanical Toys.
Claims use since about Jan. 25, 1925.

Ser. No. 211,570. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANTONIO BONGIOVANNI, doing business as Bonjiliore Distributor, Barnesboro, Pa. Filed Mar. 25, 1925.

BONJILIORE

Particular description of goods.—Hairdressing.
Claims use since February, 1925.

Ser. No. 211,590. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK H. GREGORY, doing business as Edith Rebecca Gregory, Bay City, Mich. Filed Mar. 25, 1925.

Breath of Ages

Particular description of goods.—Face and Sachet Powder and Perfume.
Claims use since Oct. 15, 1924.

Ser. No. 211,591. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA HELD CORPORATION, New York, N. Y. Filed Mar. 25, 1925.

Anna Held's

Anna Held is the name of a famous actress (deceased).
Particular description of goods.—Cosmetics—Namely, Cold Cream, Face Powdery and Face Lotion.
Claims use since Dec. 3, 1924.

Ser. No. 211,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ITALIAN AMERICAN PASTE CO. INC., San Francisco, Calif. Filed Mar. 25, 1925.

HERCULIAS

Particular description of goods.—Alimentary Pastes.
Claims use since 1919.

Ser. No. 211,603. (CLASS 2. RECEPTACLES.) MCLAURIN-JONES CO., Brookfield, Mass. Filed Mar. 25, 1925.



No claim is made to the representation of the goods apart from the trade-mark.
Particular description of goods.—Corrugated-Paper Boxes.
Claims use since Mar. 2, 1925.

Ser. No. 211,637. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VEGETARIAN FOOD AND NUT CO., Washington, D. C. Filed Mar. 25, 1925.



Particular description of goods.—Peanut Butter.
Claims use since 1921.

Ser. No. 211,656. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRANK A. BOYER, doing business as Boyer & Co., Philadelphia, Pa. Filed Mar. 26, 1925.



Particular description of goods.—Shoe Polishes.
Claims use since Feb. 7, 1925.

Ser. No. 211,668. (CLASS 39. CLOTHING.) DUOFOLD HEALTH UNDERWEAR COMPANY, Mohawk, N. Y. Filed Mar. 26, 1925.

FETHERNIT

Particular description of goods.—Knitted Underwear for Men, Women, and Children.
Claims use since Feb. 10, 1925.

Ser. No. 211,678. (CLASS 39. CLOTHING.) GOLD HOSIERY CO., New York, N. Y. Filed Mar. 26, 1925.

PADORO

The lining on the drawing indicates orange color.
Particular description of goods.—Hosiery.
Claims use since March, 1922.

Ser. No. 211,728. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) WINDSOR SOAP CO., INC., Buffalo, N. Y. Filed Mar. 26, 1925.

PLAVANO

Particular description of goods.—Soap.
Claims use since Feb. 1, 1925.

Ser. No. 211,729. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) MARGARET J. WINKLER, New York, N. Y. Filed Mar. 26, 1925.

An ALICE Comedy

No claim is made to the word "Comedy" except as used with the other features of the mark.
Particular description of goods.—Motion Pictures.
Claims use since Jan. 2, 1925.

Ser. No. 211,758. (CLASS 39. CLOTHING.) DR. A. POSNER SHOES, INC., New York, N. Y. Filed Mar. 27, 1925.

CHEKARIB

Particular description of goods.—Infants', Children's, Misses', Boys', and Young Ladies' Socks and Stockings.
Claims use since Dec. 29, 1924.

Ser. No. 211,764. (CLASS 39. CLOTHING.) LOUIS SOPKIN, Chicago, Ill. Filed Mar. 27, 1925.

DRESSY MAID

Particular description of goods.—Bath Robes, Aprons, and Apron Dresses.
Claims use since Oct. 15, 1924.

Ser. No. 211,768. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TIP TOP BOTTLING CO., St. Louis, Mo. Filed Mar. 27, 1925.

WHIM

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.
Claims use since January, 1918.

Ser. No. 211,783. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CLEVELAND COMPANY, Cleveland, Ohio. Filed Mar. 28, 1925.

Cleveland News

Particular description of goods.—Newspapers.
Claims use since on or about January, 1906.

Ser. No. 211,803. (CLASS 39. CLOTHING.) REUB. ISAACS & CO., INC., Rochester, N. Y. Filed Mar. 28, 1925.

Rico Rochester Clothes

No claim is made to the words "Rochester Clothes" separate from the other features of the mark.
Particular description of goods.—Men's Coats, Trousers, Vests, and Overcoats.
Claims use since Dec. 15, 1915.

Ser. No. 211,813. (CLASS 39. CLOTHING.) THANHOUSER & WHELLER, Baltimore, Md. Filed Mar. 28, 1925.

STONEWALL

Particular description of goods.—Boys' Suits Made of Woolen and Cotton Fabrics.
Claims use since about Apr. 15, 1923.

Ser. No. 211,822. (CLASS 39. CLOTHING.) THE ARBURY MILLS, New York, N. Y. Filed Mar. 30, 1925.

REAL-EASE

Particular description of goods.—Knitted Bathing Suits for Men, Women, and Children.
Claims use since April, 1924.

Ser. No. 211,880. (CLASS 38. PRINTS AND PUBLICATIONS.) THE TRIBUNE COMPANY, Chicago, Ill. Filed Mar. 30, 1925.

Chicago Tribune Press Service.

Particular description of goods.—Special Newspaper Articles of Particular Literary Value and of Public Interest.
Claims use since Feb. 25, 1925.

Ser. No. 211,883. (CLASS 39. CLOTHING.) WEIL-KALTER MFG. CO., St. Louis, Mo. Filed Mar. 30, 1925.

MILLANETTE

Particular description of goods.—Wearing Apparel—Namely, Princess Slips, Bloomers, Step-Ins, Undervests, Teddies, and Petticoats.
Claims use since Jan. 1, 1925.

Ser. No. 211,884. (CLASS 39. CLOTHING.) WILSON BROTHERS, Chicago, Ill. Filed Mar. 30, 1925.

LAINTEX

Particular description of goods.—Neckties.
Claims use since on or about Mar. 15, 1925.

Ser. No. 211,886. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) YORK MANUFACTURING CO. INC., New York, N. Y. Filed Mar. 30, 1925.

Ladiana

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 2, 1925.

Ser. No. 211,913. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Marveleen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,915. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Crowneen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,916. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Coroneen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,917. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Plianta

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,918. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Jorella

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,920. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Dorotheen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,921. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Elastica

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,922. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Plianteen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,923. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Jedda

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,924. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Cresta

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,925. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Jerlona

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,926. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Mirroleen

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,927. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Jarleena

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,933. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Mar. 31, 1925.

CLARIDA

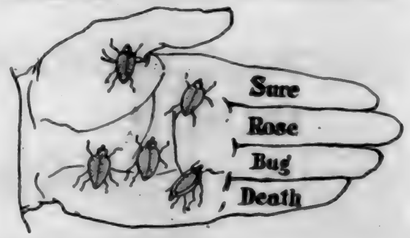
Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since Sept. 15, 1924.

Ser. No. 211,934. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HOLDEN-LEONARD CO., New York, N. Y. Filed Mar. 31, 1925.

GLEAMOSA

Particular description of goods.—Worsted and Woolen Textile Fabrics.
Claims use since about Sept. 15, 1924.

Ser. No. 211,938. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE F. MACLACHLAN, Royal Oak, Mich. Filed Mar. 31, 1925.



No claim is made to the words "Sure, Rose, Bug, Death" appearing in the drawing apart from the trade-mark as shown.
Particular description of goods.—Liquid Preparation for Killing Bugs and Insects.
Claims use since June, 1924.

Ser. No. 211,955. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE SPERRY & HUTCHINSON COMPANY, New York, N. Y. Filed Mar. 31, 1925.

STRONGHEART

Particular description of goods.—Bedspreads and Handkerchiefs.
Claims use since about Aug. 15, 1924.

Ser. No. 212,012. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVELL PHARMACAL CO., INC., New York, N. Y. Filed Apr. 1, 1925.

ADREMPCO

Trade-mark consists of the word "Adrempco."
Particular description of goods.—Preparation Composed of the Following Endocrine Derivatives—Viz, Pituitary, Thyroid, Adrenals, Ovarian, and Testicular—to be Used as an Intramuscular Injection for Hypoadrenia, as a Suprarenal Support to Reestablish and Reenforce the Work of Said Glands, and to Increase Oxidation, as a Cardiac Stimulant, and to Assist in Overcoming Hypertension and Asthenia.
Claims use since Feb. 13, 1925.

Ser. No. 212,013. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVELL PHARMACAL CO., INC., New York, N. Y. Filed Apr. 1, 1925.

POLEMPCO

Trade-mark consists of the word "Polempco."
Particular description of goods.—Medicinal Preparation Composed of the Following Endocrine Derivatives—Viz, Pituitary, Thyroid, Ovarian, and Testicular—to be Used as an Intramuscular Injection for Vasomotoratony, Exhaustion, Suboxidation, so as to Overcome Nervous and Defective Mental Conditions.
Claims use since Feb. 13, 1925.

Ser. No. 212,016. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE WM. S. MERRELL COMPANY, Cincinnati, Ohio. Filed Apr. 1, 1925.

DETOXOL

Particular description of goods.—Dentifrice.
Claims use since Mar. 20, 1925.

Ser. No. 212,019. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAWRENCE MULLER, San Francisco, Calif. Filed Apr. 1, 1925.

RE-LAY

Particular description of goods.—Hair Tonic.
Claims use since Mar. 23, 1925.

Ser. No. 212,026. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PARIS TOILET COMPANY, Paris, Tenn. Filed Apr. 1, 1925.

GOLDEN PEACOCK

Particular description of goods.—Soaps, and More Particularly for Face or Complexion Soaps.
Claims use since October, 1919.

Ser. No. 212,027. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PARIS TOILET COMPANY, Paris, Tenn. Filed Apr. 1, 1925.



Particular description of goods.—Soaps, and More Particularly for Face or Complexion Soaps.
Claims use since October, 1919.

Ser. No. 212,037. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Apr. 1, 1925.

Trophilon

Trade-mark consists of the word "Trophilon."
Particular description of goods.—Treatment of Blood Diseases.
Claims use since Mar. 12, 1925.

Ser. No. 212,038. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Apr. 1, 1925.

Otalgan

Trade-mark consists of the word "Otalgan."
Particular description of goods.—Treatment of Disease of the Middle Ear.
Claims use since Feb. 6, 1924.

Ser. No. 212,040. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Apr. 1, 1925.

Hypertherman

Trade-mark consists of the word "Hypertherman."
Particular description of goods.—Treatment for Fatty Degeneration.
Claims use since Mar. 12, 1925.

Ser. No. 212,047. (CLASS 38. PRINTS AND PUBLICATIONS.) THE SOUTHERN BANKER PUBLISHING CO., Atlanta, Ga. Filed Apr. 1, 1925.

The SOUTHERN BANKER

Particular description of goods.—Periodical.
Claims use since 1908.

Ser. No. 212,060. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) DE HAVEN MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Apr. 2, 1925.

KNURLFASTS

Particular description of goods.—Corrugated-Steel Fasteners.
Claims use since Mar. 20, 1925.

Ser. No. 212,066. (CLASS 43. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

PIEDMONT

Particular description of goods.—Thread.
Claims use since Mar. 23, 1925.

Ser. No. 212,087. (CLASS 38. PRINTS AND PUBLICATIONS.) JOURNAL OF COMMERCE PUBLISHING CO., Chicago, Ill. Filed Apr. 2, 1925.

Chicago Journal of Commerce
— AND LA SALLE STREET JOURNAL —

Particular description of goods.—Periodicals.
Claims use since Jan. 4, 1923.

Ser. No. 212,133. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GOLD DUST CORPORATION, Jersey City, N. J. Filed Apr. 3, 1925.



Particular description of goods.—Shoe Polish, Shoe Paste, and Shoe Dressing.
Claims use since Feb. 14, 1925.

Ser. No. 212,134. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GOLDEN GRAIN JUICE COMPANY, Minneapolis, Minn. Filed Apr. 3, 1925.

Indian Maid

Particular description of goods.—Ginger Ale.
Claims use since Mar. 16, 1925.

Ser. No. 212,135. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GOLDEN GRAIN JUICE COMPANY, Minneapolis, Minn. Filed Apr. 3, 1925.



Particular description of goods.—Ginger Ale.
Claims use since Mar. 16, 1925.

Ser. No. 212,136. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) GOLDEN GRAIN JUICE COMPANY, Minneapolis, Minn. Filed Apr. 3, 1925.



Particular description of goods.—Ginger Ale.
Claims use since Mar. 16, 1925.

Ser. No. 212,155. (CLASS 39. CLOTHING.) SINSHEIMER BRO. & CO., Chicago, Ill. Filed Apr. 3, 1925.

FOR LIFE'S SPRING TIME

Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since Aug. 30, 1924.

Ser. No. 212,186. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WOODWORTH, INC., New York, N. Y. Filed Apr. 3, 1925.

VIEGAY

Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, and Sachets.
Claims use since Mar. 28, 1925.

Ser. No. 212,191. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVELL PHARMACAL CO. INC., New York, N. Y. Filed Apr. 4, 1925.

NEUREMPCO

Trade-mark "Neurempco."
Particular description of goods.—Various Medicinal Preparations Composed of Iron Cacodylate, Strychnine Cacodylate, Soda Arsenate, Soda Glycerophosphate, Strychnine Sulphate, Soda Cacodylate, Iron Citrate, and Polyglandular Solution for the Treatment of Neurasthenia, Anæmia, Chlorosis, Chronic Malaria, and Deficient Nerve Nutrition.
Claims use since Feb. 13, 1925.

Ser. No. 212,197. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ORBOLENE COMPANY, St. Louis, Mo. Filed Apr. 4, 1925.

Orbolene

Particular description of goods.—Preparation for Affections of the Eye.
Claims use since Mar. 18, 1925.

Ser. No. 212,206. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE F. SMITH, doing business as Rosebud Perfume Co., Woodsboro, Md. Filed Apr. 4, 1925.

Roseletts

Particular description of goods.—Remedy for Constipation, Stomach and Liver Troubles.
Claims use since about Dec. 1, 1924.

Ser. No. 212,208. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN SPEARMAN, Shady Dale, Ga. Filed Apr. 4, 1925



No claim is made to the words "Boll Weevil Poison Liquid Arsenate Trade-Mark" except in the relation as shown.
Particular description of goods.—Boll-Weevil Poison.
Claims use since Apr. 25, 1924.

Ser. No. 212,210. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) T. VAUGHAN STAPLER, doing business as Happy Hen Remedy Company, Boston, Mass. Filed Apr. 4, 1925.



Particular description of goods.—Fowl Head-Lice and Body-Lice Salve; Preparations for the Treatment of Roup, Canker, Chicken Pox, Worms, Cholera, and Diarrhœa in Fowl; and a Laying Tonic for Hens.
Claims use since November, 1920.

Ser. No. 212,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON F. CAUMONT, doing business as The Kemolene Company, New York, N. Y. Filed Apr. 6, 1925.

KEMOLENE

Particular description of goods.—Remedy for Premature Baldness or Grayness; Dry, Brittle, and Falling Hair, Itching Scalp, Excessive Dandruff, Dull Lusterless Lifeless Hair, and All Irregularities of the Hair and Scalp.
Claims use since about Sept. 15, 1923.

Ser. No. 212,243. (CLASS 38. PRINTS AND PUBLICATIONS.) JOS. ENGEL CO., New York, N. Y. Filed Apr. 6, 1925.

The Fashion Trend

Particular description of goods.—Magazine Published Periodically.
Claims use since Feb. 1, 1925.

Ser. No. 212,254. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAAS BROTHERS, San Francisco, Calif. Filed Apr. 6, 1925.

PALORA

Particular description of goods.—Fresh Citrous and Deciduous Fruits, Fresh Grapes, and Canned Fruits.
Claims use since Oct. 15, 1924.

Ser. No. 212,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. J. HOLLENBECK, Walnut Grove, Calif. Filed Apr. 6, 1925.

FAIRY

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since June 25, 1920.

Ser. No. 212,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOLLINGSWORTH CANDY CO., doing business as Sweetly Yours Candy Co., Augusta, Ga. Filed Apr. 6, 1925.

Mr. It

Particular description of goods.—Candy.
Claims use since February, 1925.

Ser. No. 212,261. (CLASS 5. ADHESIVES.) HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Apr. 6, 1925.

Submarine

Particular description of goods.—Belt Cement and Reducer therefor.
Claims use since Mar. 1, 1910.

Ser. No. 212,274. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOKEN COMPANIES, St. Louis, Mo. Filed Apr. 6, 1925.

ACROLINE

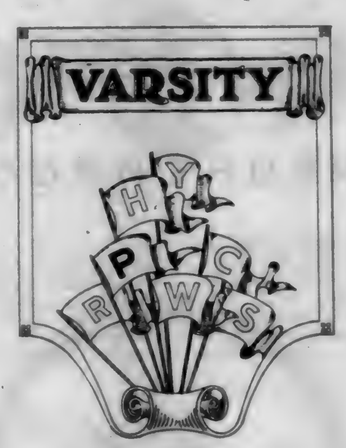
Particular description of goods.—Dandruff Remedy.
Claims use since July, 1912.

Ser. No. 212,289. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACIFIC MILLS, Lawrence and Boston, Mass. Filed Apr. 6, 1925.

PAMIZAPA

Particular description of goods.—Cotton Piece Goods.
Claims use since Jan. 30, 1925.

Ser. No. 212,290. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACIFIC MILLS, Lawrence and Boston, Mass. Filed Apr. 6, 1925.



Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 27, 1924.

Ser. No. 212,299. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SELCHOW & RIGHTER COMPANY, New York, N. Y. Filed Apr. 6, 1925. Under ten-year proviso.

SLICED

Particular description of goods.—Games of a Picture-Puzzle Type.
Claims use since Dec. 1, 1875.

Ser. No. 212,304. (CLASS 39. CLOTHING.) TAUNTON RUBBER COMPANY, Taunton, Mass. Filed Apr. 6, 1925.

DIXIE

Particular description of goods.—Rubber Heels.
Claims use since Mar. 20, 1925.

Ser. No. 212,330. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Filed Apr. 7, 1925.

GLIDE

Particular description of goods.—Golf Balls.
Claims use since Mar. 16, 1925.

Ser. No. 212,337. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WALLACE MACMONNIES, New York, N. Y. Filed Apr. 7, 1925.

MAC'S

Particular description of goods.—Canned Fish.
Claims use since Mar. 3, 1924.

Ser. No. 212,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARTOLA INCORPORATED, Jersey City, N. J. Filed Apr. 7, 1925.

PARTOS Mountains Secret

Particular description of goods.—General System Purifier and Tonic.
Claims use since about Feb. 1, 1925.

Ser. No. 212,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DOLLAR BILL SALES COMPANY, Chicago, Ill. Filed Apr. 8, 1925.



Particular description of goods.—Coffee.
Claims use since Mar. 20, 1925.

Ser. No. 212,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THEKLA K. HELMRICH, doing business as The Verdan Company, San Francisco, Calif. Filed Apr. 8, 1925.

VERDAN

Particular description of goods.—Hand Lotion.
Claims use since Jan. 2, 1925.

Ser. No. 212,429. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 9, 1925.



Particular description of goods.—Perfumisers (Vaporizers.)
Claims use since Oct. 7, 1924.

Ser. No. 212,436. (CLASS 43. THREAD AND YARN.) HEBERLEIN & CO., A. G., Rietwiss, Wattwil, Switzerland. Filed April 9, 1925.

HETEX

Particular description of goods.—Yarns of Cotton, Wool, Linen, Silk, Artificial Silk, or Composed of at Least Two of These Materials.
Claims use since about Aug. 16, 1924.

Ser. No. 212,437. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HEBERLEIN & CO., A. G., Rietwiss, Wattwil, Switzerland. Filed Apr. 9, 1925.

HETEX

Particular description of goods.—Fabrics of Cotton, Wool, Linen, Silk, Artificial Silk, or Composed of at Least Two of These Materials, and Embroideries All in the Piece.
Claims use since about Aug. 16, 1924.

Ser. No. 212,462. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THIROSE CO., Newark, N. J. Filed Apr. 9, 1925.

THIROSE

Particular description of goods.—Toilet Cream.
Claims use since September, 1924.

Ser. No. 212,476. (CLASS 29. GAMES, TOYS, AND SPORTING GOODS.) BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Apr. 10, 1925.

JUNIOR

Particular description of goods.—Carpet Sweepers.
Claims use since Mar. 30, 1904.

Ser. No. 212,477. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BISSELL CARPET SWEEPER CO., Grand Rapids, Mich. Filed Apr. 10, 1925.

LITTLE GEM

Particular description of goods.—Toy Carpet Sweepers.
Claims use since May 14, 1902.

Ser. No. 212,500. (CLASS 10. FERTILIZERS.) MAGNESIA FERTILIZER CO. INC., New York, N. Y. Filed Apr. 10, 1925.

CALMA

Particular description of goods.—Fertilizers.
Claims use since Mar. 13, 1925.

Ser. No. 212,516. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) WOLLENSAK OPTICAL CO., Rochester, N. Y. Filed Apr. 10, 1925.

BIASCOPE

Particular description of goods.—Field Glasses.
Claims use since Mar. 8, 1923.

Ser. No. 212,587. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) F. H. AYRES, LIMITED, London, England. Filed Apr. 13, 1925.

ROBIN HOOD

Particular description of goods.—Archery Sets.
Claims use since 1890.

Ser. No. 212,596. (CLASS 20. MEASURING AND SCIENTIFIC APPLIANCES.) THE DA-LITE SCREEN & SCENIC CO., Chicago, Ill. Filed Apr. 13, 1925.

DA-LITE

Particular description of goods.—Motion-Picture Screens.
Claims use since 1914.

Ser. No. 212,626. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARSHALL-WELLS COMPANY, Duluth, Minn. Filed Apr. 13, 1925.

ARROWHEAD

Particular description of goods.—Fish Lines, Rods, Reels, Hooks, and Baits.
Claims use since Mar. 20, 1925.

Ser. No. 212,633. (CLASS 39. CLOTHING.) OLMSTEAD CORPORATION, Springfield, Mass. Filed Apr. 14, 1925.

FEATHERLIGHT

Particular description of goods.—Corsets, Girdles, Brassières, and Combinations of Corsets and Brassières.
Claims use since Feb. 14, 1925.

Ser. No. 212,776. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LEO J. AWAD, Shenandoah, Pa. Filed Apr. 16, 1925.

LEJAW

Particular description of goods.—Washing and Cleaning Compound.
Claims use since Mar. 5, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 19, 1925.

198,411. VARNISH STAINS. ADAMS & ELTING CO., Chicago, Ill.
Filed April 22, 1921. Serial No. 146,514. PUBLISHED JUNE 21, 1921.

198,412. SEPARABLE FASTENERS, ESPECIALLY OF THE SLIDER-CONTROLLED TYPE. HOOKLESS FASTENER COMPANY, Meadville, Pa.
Filed May 31, 1922. Serial No. 164,705. PUBLISHED MARCH 3, 1925.

198,413. FRESH FRUIT AND GREEN VEGETABLES. J. O. FRANKLIN & SONS, Milwaukee, Wis.
Filed July 1, 1922. Serial No. 166,365. PUBLISHED MARCH 10, 1925.

198,414. BABY-CARRIAGE COVERS AND CASES MADE OF TEXTILES. FEDERAL UNDERWEAR CO., New York, N. Y.
Filed November 11, 1922. Serial No. 171,835. PUBLISHED FEBRUARY 24, 1925.

198,415. YARNS FOR KNITTING, CROCHETING, AND ART NEEDLEWORK. BERNHARD ULMANN & CO., New York, N. Y.
Filed February 20, 1923. Serial No. 176,374. PUBLISHED FEBRUARY 24, 1925.

198,416. FASTENING DEVICES FOR PREPARED ROOFING. WILLIAM H. WOERHEIDE, INC., New York, N. Y.
Filed February 28, 1923. Serial No. 176,776. PUBLISHED MARCH 10, 1925.

198,417. FASTENING DEVICES FOR PREPARED ROOFING. WILLIAM H. WOERHEIDE, INC., New York, N. Y.
Filed April 6, 1923. Serial No. 178,691. PUBLISHED MARCH 10, 1925.

198,418. DRAPERY CLOTH OF COTTON, COTTON AND SILK, AND COTTON AND WOOL. GEO. ROYLE & CO., Philadelphia, Pa.
Filed June 15, 1923. Serial No. 182,065. PUBLISHED FEBRUARY 24, 1925.

198,419. CANDIES. VAN ENGERS, INC., Chicago, Ill.
Filed June 18, 1923. Serial No. 182,192. PUBLISHED FEBRUARY 3, 1925.

198,420. COMBINATION CIGAR-CIGARETTE REST AND ASH RECEPTACLE. MASTER ART PRODUCTS COMPANY, Chicago, Ill.
Filed October 22, 1923. Serial No. 187,881. PUBLISHED FEBRUARY 24, 1925.

198,421. GALVANIZED AND ZINC-PLATED METAL ARTICLES. JOSEPH A. DRISCOLL, Chicago, Ill.
Filed November 15, 1923. Serial No. 188,361. PUBLISHED MARCH 3, 1925.

198,422. READY-MIXED PAINTS. THE FOY PAINT CO., Cincinnati, Ohio.
Filed November 27, 1923. Serial No. 188,959. PUBLISHED SEPTEMBER 2, 1924.

198,423. PILLOWS AND MATTRESSES. THE BILLOW-FIRESTONE COMPANY, Columbus, Ohio.
Filed December 17, 1923. Serial No. 189,754. PUBLISHED FEBRUARY 17, 1925.

198,424. MATCHES. THE NEW HAMPSHIRE MATCH CO., East Jaffrey, N. H.
Filed January 10, 1924. Serial No. 190,647. PUBLISHED FEBRUARY 24, 1925.

198,425. CHEWING GUM. THE CREAMETTE COMPANY, Minneapolis, Minn.
Filed January 19, 1924. Serial No. 191,009. PUBLISHED MARCH 3, 1925.

198,426. BOOKLETS, CIRCULARS, PAMPHLETS, AND CALENDARS. SOUTHERN PACIFIC COMPANY, Anchorage, Ky., San Francisco, Calif., and New York, N. Y.
Filed January 29, 1924. Serial No. 191,451. PUBLISHED FEBRUARY 24, 1925.

198,427. MATTRESSES, PILLOWS, CUSHIONS, AND BOX SPRINGS. BURTON-DIXIE CORPORATION, Chicago, Ill.
Filed February 2, 1924. Serial No. 191,669. PUBLISHED FEBRUARY 24, 1925.

198,428. TEXTILE CARPETS AND RUGS. HARDWICK & MAGEE COMPANY, Philadelphia, Pa.
Filed February 11, 1924. Serial No. 192,119. PUBLISHED FEBRUARY 24, 1925.

198,429. FRESH VEGETABLES—NAMELY, TOMATOES, LETTUCE, CELERY, AND CAULIFLOWER. WATANABE BROS., Milwaukie, Oreg.
Filed September 16, 1924. Serial No. 202,684. PUBLISHED MARCH 3, 1925.

198,430. BUILDING PLANS AND SPECIFICATIONS. MOSE D. EAST, Seattle, Wash.
Filed October 13, 1924. Serial No. 203,795. PUBLISHED FEBRUARY 24, 1925.

198,431. JAPANESE TISSUE PAPER IN SHEETS FOR USE AS TOWELS, NAPKINS, AND THE LIKE. THE RIESSER COMPANY, INC., New York, N. Y.
Filed October 16, 1924. Serial No. 203,974. PUBLISHED FEBRUARY 17, 1925.

198,432. WINES. CHR. ADT. KUPFERBERG & CO. KOMMANDITGESELLSCHAFT AUF AKTIEN, Mainz, Germany.
Filed October 18, 1924. Serial No. 204,102. PUBLISHED MARCH 3, 1925.

198,433. SARDINES PACKED IN OLIVE OIL. WILLIAM LICHTENSTEIN, doing business as Ideal Trading Company, New York, N. Y.
Filed October 21, 1924. Serial No. 204,237. PUBLISHED MARCH 3, 1925.

198,434. SARDINES PACKED IN OLIVE OIL. WILLIAM LICHTENSTEIN, doing business as Ideal Trading Company, New York, N. Y.
Filed October 21, 1924. Serial No. 204,239. PUBLISHED MARCH 3, 1925.

198,435. CERTAIN NAMED SMOKERS' ARTICLES. L. BAMBERGER & COMPANY, Newark, N. J.
Filed October 23, 1924. Serial No. 204,296. PUBLISHED MARCH 3, 1925.

198,436. CERTAIN NAMED GLASSWARE. L. BAMBERGER & COMPANY, Newark, N. J.
Filed October 23, 1924. Serial No. 204,297. PUBLISHED MARCH 3, 1925.

198,437. WIRE FENCE, INCLUDING FARM AND POULTRY FENCES. KEYSTONE STEEL & WIRE COMPANY, Bartonville, Peoria, Ill.
Filed October 25, 1924. Serial No. 204,412. PUBLISHED MARCH 3, 1925.

198,438. TABLETS TO BE DISSOLVED IN FLUIDS FOR PRODUCING FOOD FOR INFANTS AND INVALIDS. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed October 29, 1924. Serial No. 204,563. PUBLISHED MARCH 3, 1925.

198,439. CASHMERE AND WOOL CLOTH. S. STROOCK & COMPANY, INC., New York, N. Y.
Filed October 29, 1924. Serial No. 204,573. PUBLISHED MARCH 3, 1925.

198,440. COTTON PIECE GOODS. J. L. STIFEL & SONS, Wheeling, W. Va.
Filed November 1, 1924. Serial No. 204,728. PUBLISHED MARCH 3, 1925.

198,441. READY-MIXED OUTSIDE AND INSIDE PAINT CONTAINING ZINC OXIDE AND ZINC SULPHITE. ARNESTO PAINT CO. INC., New York, N. Y.
Filed November 4, 1924. Serial No. 204,806. PUBLISHED FEBRUARY 17, 1925.

198,442. MONTHLY MAGAZINE DEVOTED TO THE INTEREST OF THE TAXICAB INDUSTRY GENERALLY. JOHN M. ULLMANN, New York, N. Y.
Filed November 5, 1924. Serial No. 204,877. PUBLISHED FEBRUARY 17, 1925.

198,443. PUBLICATIONS ISSUED FROM TIME TO TIME. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed November 10, 1924. Serial No. 205,046. PUBLISHED FEBRUARY 24, 1925.

198,444. WOOD SHIPPING CASES OR BOXES. GENERAL BOX COMPANY, Chicago, Ill.
Filed November 12, 1924. Serial No. 205,160. PUBLISHED MARCH 3, 1925.

198,445. WOOD SHIPPING CASES OR BOXES. GENERAL BOX COMPANY, Chicago, Ill.
Filed November 12, 1924. Serial No. 205,161. PUBLISHED MARCH 3, 1925.

198,446. ASH RECEIVER. DELTA ELECTRIC COMPANY, Marion, Ind.
Filed November 14, 1924. Serial No. 205,268. PUBLISHED MARCH 3, 1925.

198,447. GLASS BOTTLES. AMERICAN GLASS WORKS, INCORPORATED, Richmond, Va.
Filed November 19, 1924. Serial No. 205,505. PUBLISHED FEBRUARY 24, 1925.

198,448. CERTAIN RUGS, BLANKETS, AND TOWELS. MORGAN MEMORIAL CO-OPERATIVE INDUSTRIES AND STORES, INC., Boston, Mass.
Filed November 20, 1924. Serial No. 205,611. PUBLISHED FEBRUARY 24, 1925.

198,449. CASTILE SOAP. RIMALOVER & FERNANDEZ, New York, N. Y.
Filed December 15, 1924. Serial No. 206,750. PUBLISHED FEBRUARY 17, 1925.

198,450. HOSIERY. JOEL GUTMAN & CO., Baltimore, Md.
Filed December 16, 1924. Serial No. 206,782. PUBLISHED MARCH 3, 1925.

198,451. WOMEN'S TRIMMED AND UNTRIMMED HATS, GOWNS, DRESSES, SUITS, WRAPS, FUR COATS, FUR WRAPS, FUR NECK PIECES, FUR MUFFS, FUR SCARFS, AND FUR STOLES. PEGGY HOYT, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,898. PUBLISHED MARCH 3, 1925.

198,452. FRESH CITROUS FRUITS—NAMELY, FRESH ORANGES, LEMONS, AND GRAPEFRUIT. SAN FERNANDO HEIGHTS LEMON CO., San Fernando, Calif.
Filed December 18, 1924. Serial No. 206,923. PUBLISHED MARCH 3, 1925.

198,453. PRINTED FILE WRAPPERS. THE BLACKSTONE FILE COMPANY, Cleveland, Ohio.
Filed December 26, 1924. Serial No. 207,225. PUBLISHED MARCH 3, 1925.

198,454. TOILET AND PORCELAIN-SURFACE-CLEANSING POWDER. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio.
Filed December 26, 1924. Serial No. 207,266. PUBLISHED MARCH 3, 1925.

198,455. TOILET AND PORCELAIN-SURFACE-CLEANSING POWDER. THE SMITH AGRICULTURAL CHEMICAL COMPANY, Columbus, Ohio.
Filed December 26, 1924. Serial No. 207,267. PUBLISHED MARCH 3, 1925.

198,456. RUBBER AND SHELLAC CEMENTS. PURITAN CEMENT & BLACKING COMPANY, Philadelphia, Pa.
Filed December 30, 1924. Serial No. 207,474. PUBLISHED MARCH 3, 1925.

198,457. PEANUT BUTTER. E. K. POND COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,683. PUBLISHED MARCH 3, 1925.

198,458. PRINTING PAPER, WRITING PAPER, AND ENVELOPES. WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif.
Filed January 5, 1925. Serial No. 207,700. PUBLISHED MARCH 3, 1925.

198,459. PETROLEUM AND ITS PRODUCTS FOR ILLUMINATING, LUBRICATING, AND FOR FUEL PURPOSES. ACKWOOD PETROLEUM COMPANY, New York, N. Y.
Filed January 6, 1925. Serial No. 207,706. PUBLISHED MARCH 3, 1925.

198,460. LOOSE-LEAF RECORD BOOKS WHICH ARE ADAPTED TO BE USED FOR BUSINESS AND BOOKKEEPING RECORDS. VISIBLE RECORDS EQUIPMENT CO., Chicago, Ill.
Filed January 13, 1925. Serial No. 208,080. PUBLISHED MARCH 3, 1925.

198,461. LOOSE-LEAF RECORD BOOKS WHICH ARE ADAPTED TO BE USED FOR BUSINESS AND BOOKKEEPING RECORDS. VISIBLE RECORDS EQUIPMENT CO., Chicago, Ill.
Filed January 13, 1925. Serial No. 208,081. PUBLISHED MARCH 3, 1925.

198,462. WRAPPING PAPER. ANGIER CORPORATION, Framingham, Mass.
Filed January 19, 1925. Serial No. 208,270. PUBLISHED MARCH 3, 1925.

198,463. TRADING STAMPS. BARRIER BROS., Lubbock, Tex.
Filed February 25, 1924. Serial No. 192,749. PUBLISHED SEPTEMBER 2, 1924.

198,464. TABLE OILCLOTH. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y.
Filed April 14, 1924. Serial No. 195,547. PUBLISHED FEBRUARY 24, 1925.

198,465. MINERAL PRODUCT IN PULVERIZED FORM FOR CLEANING PURPOSES. BLUE SEAL CLEANSERS, INC., New York, N. Y.
Filed June 10, 1924. Serial No. 198,338. PUBLISHED AUGUST 12, 1924.

198,466. WORSTED AND WOOLEN TEXTILE FABRICS. HOLDEN-LEONARD COMPANY, New York, N. Y.
Filed June 17, 1924. Serial No. 198,711. PUBLISHED MARCH 3, 1925.

198,467. BLANK BOOKS AND FORMS FOR BANKING AND INVESTMENT SERVICE. COMMUNITY SYSTEM SERVICE CORPORATION, Johnstown, Pa.
Filed June 19, 1924. Serial No. 198,789. PUBLISHED FEBRUARY 17, 1925.

198,468. BEDROOM FURNITURE OF ALL KINDS—NAMELY, CHAIRS, BEDS, DRESSERS, CHIFFONIERS, CHIFFORETTES, AND TABLES. EMPIRE CASE GOODS COMPANY, Jamestown, N. Y.
Filed June 26, 1924. Serial No. 199,156. PUBLISHED FEBRUARY 24, 1925.

198,469. TYPEWRITER PAPER. ZELLERBACH PAPER COMPANY, San Francisco, Calif.
Filed July 12, 1924. Serial No. 199,964. PUBLISHED MARCH 3, 1925.

198,470. HOUSEHOLD TABLES. HAWTHORNE FURNITURE SHOPS, Los Angeles, Calif.
Filed July 24, 1924. Serial No. 200,448. PUBLISHED FEBRUARY 17, 1925.

198,471. AWNING STRIPES AND TICKING. JOHN BOYLE & COMPANY INCORPORATED, New York, N. Y.
Filed May 9, 1924. Serial No. 200,660. PUBLISHED DECEMBER 30, 1924.

198,472. READY-MIXED PAINTS, VARNISHES, AND PAINT ENAMELS. THE TREDENNICK PAINT MANUFACTURING COMPANY, Meriden, Conn.
Filed August 7, 1924. Serial No. 201,114. PUBLISHED FEBRUARY 17, 1925.

198,473. PRINTS AND POSTERS USED IN ADVERTISING SOLD TO THE TRADE AS SUCH, PARTICULARLY IN BAKERY AND OTHER SERVICE. HARRISON-GUTHRIE AGENCY, Minneapolis, Minn.
Filed August 13, 1924. Serial No. 201,344. PUBLISHED FEBRUARY 24, 1925.

198,474. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. ARTHUR W. HODGMAN, Natick, Mass.
Filed August 14, 1924. Serial No. 201,403. PUBLISHED OCTOBER 28, 1924.

198,475. DRESSED POULTRY. RAY L. DITZLER, Huntington, Ind.
Filed September 6, 1924. Serial No. 202,287. PUBLISHED NOVEMBER 18, 1924.

198,476. CANDIED POP CORN. MARGARET B. JOHNSTON, Superior, Wis.
Filed September 13, 1924. Serial No. 202,586. PUBLISHED MARCH 3, 1925.

198,477. CANNED CITROUS FRUITS. AVON CANNING COMPANY, INCORPORATED, Avon Park, Fla.
Filed September 17, 1924. Serial No. 202,689. PUBLISHED MARCH 3, 1925.

198,478. FRESH PINEAPPLES. WEST INDIES FRUIT IMPORTING CO., Chicago, Ill.
Filed September 22, 1924. Serial No. 202,908. PUBLISHED JANUARY 27, 1925.

198,479. ROOF CEMENT. LARS JACKSON, doing business as Lars Jackson Co., New York, N. Y.
Filed September 23, 1924. Serial No. 202,964. PUBLISHED JANUARY 27, 1925.

198,480. PURE FRUIT CONCENTRATE USED IN THE PREPARATION OF SOFT DRINKS. JOHN C. REILLY AND ROBERT T. NORTHCUTT, doing business as General Packing Co., Philadelphia, Pa.
Filed October 8, 1924. Serial No. 203,588. PUBLISHED MARCH 3, 1925.

198,481. PURE FRUIT CONCENTRATE FOR BEVERAGE PURPOSES. JOHN C. REILLY AND ROBERT T. NORTHCUTT, doing business as General Packing Co., Philadelphia, Pa.
Filed October 8, 1924. Serial No. 203,589. PUBLISHED MARCH 3, 1925.

198,482. PILE FABRICS IN THE PIECE. SALT'S TEXTILE COMPANY, INC., New York, N. Y.
Filed October 8, 1924. Serial No. 203,605. PUBLISHED FEBRUARY 24, 1925.

198,483. STEEL INGOTS, COGGED INGOTS, BLOOMS AND SLABS, DIE BLOCKS OR BLANKS, BILLETS AND BARS, STRIPS AND WIRE RODS. WIKMANSHYTTE BRUKS A/B., Wikmanshyttan, Sweden.
Filed December 4, 1924. Serial No. 206,267. PUBLISHED MARCH 3, 1925.

198,484. STEEL INGOTS, COGGED INGOTS, BLOOMS AND SLABS, DIE BLOCKS OR BLANKS, BILLETS AND BARS, STRIPS AND WIRE RODS. WIKMANSHYTTE BRUKS A/B., Wikmanshyttan, Sweden.
Filed December 4, 1924. Serial No. 206,266. PUBLISHED MARCH 3, 1925.

198,485. STEEL INGOTS, COGGED INGOTS, BLOOMS AND SLABS, DIE BLOCKS OR BLANKS, BILLETS AND BARS, STRIPS AND WIRE RODS. WIKMANSHYTTE BRUKS A/B., Wikmanshyttan, Sweden.
Filed December 4, 1924. Serial No. 206,265. PUBLISHED MARCH 3, 1925.

198,486. A FINISHING-COAT COMPOUND FOR THE
Filed December 1, 1924. Serial No. 206,080. PUBLISHED MARCH 10, 1925.

198,487. CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTHS OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed December 1, 1924. Serial No. 206,056. PUBLISHED FEBRUARY 17, 1925.

198,488. COFFEE. LUIS GERMAN MARTINEZ, New York, N. Y.
Filed November 29, 1924. Serial No. 206,015. PUBLISHED FEBRUARY 10, 1925.

198,489. COFFEE. LUIS GERMAN MARTINEZ, New York, N. Y.
Filed November 29, 1924. Serial No. 206,014. PUBLISHED FEBRUARY 10, 1925.

198,490. CHEWING GUM. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed November 29, 1924. Serial No. 205,973. PUBLISHED MARCH 3, 1925.

198,491. PIPES AND TUBES, JOINTS FOR PIPES AND TUBES; VALVE, PIPE, AND TUBE FITTINGS; AND VALVES, ALL BEING METAL GOODS. THE VICTAULIC COMPANY, LIMITED, London, England.
Filed November 25, 1924. Serial No. 205,845. PUBLISHED MARCH 10, 1925.

198,492. WOOL AND WORSTED PIECE GOODS. ROUBAIX MILLS, INC., New York, N. Y.
Filed November 25, 1924. Serial No. 205,838. PUBLISHED FEBRUARY 24, 1925.

198,493. CLEANING PREPARATIONS—NAMELY, CHEMICAL PASTES FOR DRY CLEANING CLOTHING. ZO-KLEAN PRODUCTS CO., NOT INC., Chicago, Ill.
Filed November 24, 1924. Serial No. 205,808. PUBLISHED FEBRUARY 24, 1925.

198,494. CERTAIN GLASS PRODUCTS. HYATT GLASS COMPANY, Poteau, Okla.
Filed November 24, 1924. Serial No. 205,758. PUBLISHED FEBRUARY 24, 1925.

198,495. CLEANING, SCOURING, AND POLISHING WADS, PADS, ROLLS, AND CLOTH OF ABRADANT NATURE FOR REMOVING FOREIGN MATTER FROM METAL AND OTHER SURFACES. BRILLO MANUFACTURING CO., Brooklyn, N. Y.
Filed November 24, 1924. Serial No. 205,788. PUBLISHED FEBRUARY 17, 1925.

198,496. WIRE MATTRESSES. THE MOORE COMPANY, Muncie, Ind.
Filed November 22, 1924. Serial No. 205,704. PUBLISHED FEBRUARY 24, 1925.

198,497. CERTAIN METAL INSTRUMENTS USED IN SURGICAL, DENTAL, AND VETERINARY TREATMENTS, OPERATIONS, EXAMINATIONS, AND DRESSINGS. FRANK S. BETZ COMPANY, Hammond, Ind.
Filed November 22, 1924. Serial No. 205,676. PUBLISHED FEBRUARY 24, 1925.

198,498. COTTON PIECE GOODS. WILLIAM ALSBERG & COMPANY, New York, N. Y.
Filed November 22, 1924. Serial No. 205,671. PUBLISHED FEBRUARY 24, 1925.

198,499. TANKS FOR CHEMICAL SUBSTANCES, PARTICULARLY PHOTOGRAPHIC DEVELOPING AND FIXING SOLUTIONS. VICTOR X-RAY CORPORATION, Chicago, Ill.
Filed November 21, 1924. Serial No. 205,669. PUBLISHED MARCH 3, 1925.

198,500. METAL CURTAIN RODS. KIRSCH MFG. CO., Sturgis, Mich.
Filed November 21, 1924. Serial No. 205,646. PUBLISHED JANUARY 27, 1925.

198,501. METAL CURTAIN RODS. KIRSCH MFG. CO., Sturgis, Mich.
Filed November 21, 1924. Serial No. 205,645. PUBLISHED JANUARY 27, 1925.

198,502. METAL CURTAIN RODS. KIRSCH MFG. CO., Sturgis, Mich.
Filed November 21, 1924. Serial No. 205,644. PUBLISHED JANUARY 27, 1925.

198,503. COMBINED RAZOR STROP AND HONE. WILFRED QUINTAL, Hartford, Conn.
Filed December 5, 1924. Serial No. 206,326. PUBLISHED FEBRUARY 17, 1925.

198,504. TOOL BOXES FOR MECHANICS' USE. MOTOR TOOL SPECIALTY COMPANY, Chicago, Ill.
Filed December 6, 1924. Serial No. 206,362. PUBLISHED MARCH 3, 1925.

198,505. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS. WILLIAM HENDRIKX, College Point, N. Y.
Filed December 10, 1924. Serial No. 206,523. PUBLISHED FEBRUARY 24, 1925.

198,506. CALCIMINE. WEST COAST KALSOMINE CO., Berkeley, Calif.
Filed December 10, 1924. Serial No. 206,551. PUBLISHED MARCH 10, 1925.

198,507. COOKING UTENSILS OF BASE METAL. HYRO MANUFACTURING CO., New York, N. Y.
Filed December 12, 1924. Serial No. 206,622. PUBLISHED MARCH 3, 1925.

198,508. SECTION OF A MONTHLY MAGAZINE. THE GAGE PUBLISHING CO., INC., New York, N. Y.
Filed December 13, 1924. Serial No. 206,664. PUBLISHED FEBRUARY 24, 1925.

198,509. TRANSPARENT AND TRANSLUCENT GLASS GLOBES FOR LIGHTING FIXTURES. GRACE E. MATHIEU, New York, N. Y.
Filed December 13, 1924. Serial No. 206,675. PUBLISHED FEBRUARY 24, 1925.

198,510. NONALCOHOLIC CARBONATED BEVERAGES SOLD AS SOFT DRINKS—NAMELY, GINGER ALE, ROOT BEER, LIME SODA, STRAWBERRY SODA, GRAPE SODA, ORANGE SODA, CHERRY SODA, LEMON SODA, BIRCH BEER, SARSAPARILLA, CREAM SODA, CHOCOLATE SODA, COLA, AND SIRUPS FOR MAKING THE SAME. ADOLPH WESTPHAL, River Forest, Ill.
Filed December 13, 1924. Serial No. 206,708. PUBLISHED MARCH 3, 1925.

198,511. NONALCOHOLIC CARBONATED BEVERAGES SOLD AS SOFT DRINKS—NAMELY, GINGER ALE, ROOT BEER, LIME SODA, STRAWBERRY SODA, GRAPE SODA, ORANGE SODA, CHERRY SODA, LEMON SODA, BIRCH BEER, SARSAPARILLA, CREAM SODA, CHOCOLATE SODA, COLA, AND SIRUPS FOR MAKING THE SAME. ADOLPH WESTPHAL, River Forest, Ill.
Filed December 13, 1924. Serial No. 206,709. PUBLISHED MARCH 3, 1925.

198,512. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & CO. INC., New York, N. Y.
Filed December 15, 1924. Serial No. 206,717. PUBLISHED MARCH 3, 1925.

198,513. METAL NUTS. GRIP NUT COMPANY, Chicago, Ill.
Filed December 15, 1924. Serial No. 206,731. PUBLISHED MARCH 3, 1925.

198,514. WEEKLY PUBLICATIONS. THE PHILADELPHIA COUNTY MEDICAL SOCIETY, Philadelphia, Pa.
Filed December 15, 1924. Serial No. 206,748. PUBLISHED MARCH 3, 1925.

198,515. MIXED FEED, MIDDLINGS, AND BRAN. DULLE-MEYER MILLING COMPANY, Chamois, Mo.
Filed December 16, 1924. Serial No. 206,771. PUBLISHED MARCH 3, 1925.

198,516. ADVERTISING SIGNS—NAMELY, TRANSPARENT SIGNS ADHERING TO THE SURFACE TO WHICH THEY ARE APPLIED. WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif.
Filed December 16, 1924. Serial No. 206,813. PUBLISHED MARCH 3, 1925.

198,517. RACKS FOR APPAREL. DORAK MAKERS, INC., Boston, Mass.
Filed December 18, 1924. Serial No. 206,886. PUBLISHED FEBRUARY 24, 1925.

198,518. DRESS GOODS, ALL-SILK FABRICS. HYMAN & GOLDSTON, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,901. PUBLISHED MARCH 3, 1925.

198,519. MANUFACTURED DRESSES. HYMAN & GOLDSTON, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,902. PUBLISHED FEBRUARY 24, 1925.

198,520. TRADE PUBLICATION. THE PERMANENT WAVE MACHINE & SUPPLY CORPORATION, New York, N. Y.
Filed December 18, 1924. Serial No. 206,918. PUBLISHED FEBRUARY 17, 1925.

198,521. MONTHLY MAGAZINE. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed December 19, 1924. Serial No. 206,948. PUBLISHED FEBRUARY 17, 1925.

198,522. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. JOHN C. GANTZ, doing business as Lime Rock Springs Company, Dubuque, Iowa.
Filed December 20, 1924. Serial No. 207,007. PUBLISHED MARCH 3, 1925.

198,523. KNITTED PIECE GOODS MADE FROM ARTIFICIAL SILK. M. I. HALPERIN, Brooklyn, N. Y.
Filed December 22, 1924. Serial No. 207,077. PUBLISHED MARCH 3, 1925.

198,524. CERTAIN TEXTILE FABRICS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed December 22, 1924. Serial No. 207,092. PUBLISHED MARCH 3, 1925.

198,525. PAPER SPOOL FOR YARNS WITH DEVICE FOR GRIPPING THE FREE END OF WOUND YARN. LA LAINIERE DE ROUBAIX, Roubaix, France.
Filed December 26, 1924. Serial No. 207,248. PUBLISHED MARCH 3, 1925.

198,526. CERTAIN PIECE GOODS. THE FRANCO FABRICS CORPORATION, New York, N. Y.
Filed December 27, 1924. Serial No. 207,294. PUBLISHED MARCH 3, 1925.

198,527. HOUSE ORGAN. MENLEY & JAMES, LIMITED, New York, N. Y.
Filed December 29, 1924. Serial No. 207,391. PUBLISHED FEBRUARY 17, 1925.

198,528. CHOCOLATE-COVERED CANDY BARS. OVERLAND CANDY CORPORATION, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,390. PUBLISHED MARCH 3, 1925.

198,529. CERTAIN NAMED RUGS. PHILADELPHIA RUG MILLS INCORPORATED, Philadelphia, Pa.
Filed December 29, 1924. Serial No. 207,400. PUBLISHED MARCH 3, 1925.

198,530. MONTHLY MAGAZINE. CHARLES F. MILLER, Scranton, Pa.
Filed December 31, 1924. Serial No. 207,510. PUBLISHED FEBRUARY 17, 1925.

198,531. SERIES OF CARTOONS. ROBERT LE ROY RIPLEY, New York, N. Y.
Filed December 31, 1924. Serial No. 207,526. PUBLISHED FEBRUARY 17, 1925.

198,532. CARTOONS. JOHN C. TERRY, New York, N. Y.
Filed December 31, 1924. Serial No. 207,533. PUBLISHED FEBRUARY 17, 1925.

198,533. ELECTROTHERAPEUTIC MACHINES. BLEADON-DUN COMPANY, Chicago, Ill.
Filed January 2, 1925. Serial No. 207,547. PUBLISHED MARCH 3, 1925.

198,534. ICE CREAM, ICES, AND FROZEN PUDDINGS. FROZEN ARTS, Chicago, Ill.
Filed January 2, 1925. Serial No. 207,550. PUBLISHED MARCH 3, 1925.

198,535. GRAVE VAULTS. THE GALION METALLIC VAULT CO., Galion, Ohio.
Filed January 2, 1925. Serial No. 207,560. PUBLISHED MARCH 3, 1925.

198,536. FERTILIZERS. ROBERT A. MUNRO & COMPANY, LIMITED, Glasgow, Scotland.
Filed January 2, 1925. Serial No. 207,589. PUBLISHED MARCH 3, 1925.

198,537. COTTON BLANKETS. BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I.
Filed January 3, 1925. Serial No. 207,610. PUBLISHED MARCH 3, 1925.

198,538. COTTON BLANKETS. BEACON MANUFACTURING COMPANY, New Bedford, Mass., and Providence, R. I.
Filed January 3, 1925. Serial No. 207,611. PUBLISHED MARCH 3, 1925.

198,539. EDUCATIONAL SHEETS OR POSTERS. THE BEACON PRESS, INC., Boston, Mass.
Filed January 5, 1925. Serial No. 207,646. PUBLISHED FEBRUARY 24, 1925.

198,540. CANNED VEGETABLES, CANNED FRUITS, FRUIT PRESERVES, JAMS, JELLIES, AND MARMALADE; ARACHIDE OIL (PEANUT OIL), AND FLAVORING EXTRACTS FOR FOODS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,688. PUBLISHED MARCH 3, 1925.

198,541. MONTHLY PUBLICATIONS. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y.
Filed January 5, 1925. Serial No. 207,697. PUBLISHED FEBRUARY 17, 1925.

198,542. PAPER NAPKINS. THE PAPER NOVELTY COMPANY, Green Bay, Wis.
Filed January 7, 1925. Serial No. 207,796. PUBLISHED MARCH 3, 1925.

198,543. COTTON FABRICS. MAX KAUFMANN & CO. INC., New York, N. Y.
Filed January 26, 1925. Serial No. 208,068. PUBLISHED MARCH 3, 1925.

198,544. CHOCOLATE COATING. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed January 26, 1925. Serial No. 208,057. PUBLISHED MARCH 3, 1925.

198,545. CANDIES. BONACI, INC., Long Island City, N. Y.
Filed January 26, 1925. Serial No. 208,634. PUBLISHED MARCH 3, 1925.

198,546. CANDY. P. W. BEALS CANDY CO., Detroit, Mich.
Filed January 26, 1925. Serial No. 208,633. PUBLISHED MARCH 3, 1925.

198,547. FRESH FRUITS—NAMELY, APPLES. THE ENTIAT FRUIT GROWERS LEAGUE, Entiat, Wash.
Filed January 24, 1925. Serial No. 208,581. PUBLISHED MARCH 3, 1925.

198,548. FRESH FRUITS—NAMELY, APPLES. THE ENTIAT FRUIT GROWERS LEAGUE, Entiat, Wash.
Filed January 24, 1925. Serial No. 208,580. PUBLISHED MARCH 3, 1925.

198,549. NONINTOXICATING, NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS SOFT DRINK AND SIRUPS USED IN THE PREPARATION OF SAME. BARTOW BEVERAGES, INC., Nashville, Tenn.
Filed January 24, 1925. Serial No. 208,554. PUBLISHED MARCH 3, 1925.

198,550. COTTON PIECE GOODS. COHN HALL MARX CO., New York, N. Y.
Filed January 23, 1925. Serial No. 208,510. PUBLISHED MARCH 3, 1925.

198,551. WOOLEN PIECE GOODS. A. DAVIS & SONS, INC., New York, N. Y.
Filed January 22, 1925. Serial No. 208,458. PUBLISHED MARCH 3, 1925.

198,552. NONINTOXICATING, MALTLESS BEVERAGE AND SIRUP FOR MAKING THE SAME. CHERO-COLA COMPANY, Columbus, Ga.
Filed January 22, 1925. Serial No. 208,455. PUBLISHED MARCH 3, 1925.

198,553. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. P. BINDER & SONS, Yankton, S. Dak.
Filed January 22, 1925. Serial No. 208,449. PUBLISHED MARCH 3, 1925.

198,554. COFFEE. MARKS COFFEE COMPANY, Augusta, Ga.
Filed January 21, 1925. Serial No. 208,413. PUBLISHED MARCH 3, 1925.

198,555. WOOLEN GOODS IN THE PIECE AND IN CUT LENGTHS. S. STEIN & CO., New York, N. Y.
Filed January 20, 1925. Serial No. 208,364. PUBLISHED MARCH 3, 1925.

198,556. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUP FOR MAKING THE SAME. KRAEMER, HAMELFARB & CO., doing business as American Distributing Co., Newark, N. J.
Filed January 16, 1925. Serial No. 208,201. PUBLISHED MARCH 3, 1925.

198,557. NEWSPAPERS. THEODOR DREYER, Detroit, Mich.
Filed January 14, 1925. Serial No. 208,094. PUBLISHED FEBRUARY 17, 1925.

198,558. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND FLAVORED SIRUPS AND EXTRACTS FOR MAKING THE SAME. THEONETT & CO., Chicago, Ill.
Filed January 12, 1925. Serial No. 208,026. PUBLISHED MARCH 3, 1925.

198,559. SHEET MUSIC. ARTHUR LESTER RUNYAN, Los Angeles, Calif.
Filed January 12, 1925. Serial No. 208,017. PUBLISHED FEBRUARY 17, 1925.

198,560. MAGAZINE PUBLISHED PERIODICALLY. NEWCOMB-ENDICOTT COMPANY, Detroit, Mich.
Filed January 12, 1925. Serial No. 208,004. PUBLISHED FEBRUARY 17, 1925.

198,561. CERTAIN NAMED PIECE GOODS. MARSHALL FIELD & COMPANY, Chicago, Ill.
Filed January 12, 1925. Serial No. 207,979. PUBLISHED MARCH 3, 1925.

198,562. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. AMERICAN BOTTLING WORKS, New Orleans, La.
Filed January 10, 1925. Serial No. 207,911. PUBLISHED MARCH 3, 1925.

198,563. WHISK BROOMS, TOOTHBRUSHES, PAINTBRUSHES, FEATHER DUSTERS AND BRISTLE DUSTERS, AND SHAVING BRUSHES. LOUIS ABSECK, doing business as The Sealastic Co., Brooklyn, N. Y.
Filed January 10, 1925. Serial No. 207,910. PUBLISHED MARCH 3, 1925.

198,564. PENCILS. JOSEPH DIXON CRUCIBLE COMPANY, Jersey City, N. J.
Filed January 9, 1925. Serial No. 207,856. PUBLISHED MARCH 3, 1925.

198,565. COTTON PIECE GOODS. CORBLL, WILLIAMS AND COMPANY, New York, N. Y.
Filed January 9, 1925. Serial No. 207,852. PUBLISHED MARCH 3, 1925.

198,566. FERTILIZER. SOWERTS, INC., New York, N. Y.
Filed January 8, 1925. Serial No. 207,832. PUBLISHED MARCH 10, 1925.

198,567. DECALCOMANIA FOR RADIO PANEL MARKERS. NATIONAL DECALCOMANIA CORPORATION, Philadelphia, Pa.
Filed December 15, 1924. Serial No. 206,744. PUBLISHED MARCH 3, 1925.

198,568. BOOK PAPERS. READING PAPER MILLS, Reading, Pa.
Filed December 12, 1924. Serial No. 206,635. PUBLISHED MARCH 3, 1925.

198,569. WARDROBE TRUNKS. WHEARY TRUNK COMPANY, Racine, Wis.
Filed December 10, 1924. Serial No. 206,552. PUBLISHED MARCH 3, 1925.

198,570. A SECTION OF A MONTHLY MAGAZINE. THE GAGE PUBLISHING CO., INC., New York, N. Y.
Filed December 9, 1924. Serial No. 206,479. PUBLISHED MARCH 3, 1925.

198,571. LEATHER HAND OR TRAVELING BAGS. HUGO TUECKMANTEL, Newark, N. J.
Filed December 8, 1924. Serial No. 206,446. PUBLISHED FEBRUARY 17, 1925.

198,572. MONTHLY PUBLICATIONS. THE PROGRESSIVE CULINARY ASSOCIATION, Chicago, Ill.
Filed December 6, 1924. Serial No. 206,373. PUBLISHED MARCH 3, 1925.

198,573. VARNISH. WILLIAMS-HAYWARD COMPANY, Chicago, Ill.
Filed December 4, 1924. Serial No. 206,268. PUBLISHED MARCH 3, 1925.

198,574. BINDERS, ESPECIALLY LOOSE-LEAF-BINDING DEVICES AND MAGAZINE BINDERS. FREE-HAND BINDER COMPANY, New York, N. Y.
Filed December 4, 1924. Serial No. 206,236. PUBLISHED MARCH 3, 1925.

198,575. SOAPS. COLLOIDAL SOAP PRODUCTS CORPORATION, Dover, Del., and Baltimore, Md.
Filed December 4, 1924. Serial No. 206,220. PUBLISHED MARCH 3, 1925.

198,576. FINISHING AND POLISHING MATERIALS IN THE NATURE OF VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y.
Filed December 3, 1924. Serial No. 206,196. PUBLISHED MARCH 3, 1925.

198,577. FINISHING AND POLISHING MATERIALS IN THE NATURE OF VARNISH. SHERATONE PRODUCTS CORPORATION, New York, N. Y.
Filed December 3, 1924. Serial No. 206,195. PUBLISHED MARCH 3, 1925.

198,578. WRAPPING PAPER. CLAREMONT PAPER COMPANY, INC., Claremont, N. H.
Filed December 2, 1924. Serial No. 206,111. PUBLISHED MARCH 3, 1925.

198,579. MEN'S, LADIES', AND CHILDREN'S TIES, CRAVATS, AND SCARFS. G. C. MATHES & COMPANY, New York, N. Y.
Filed November 28, 1924. Serial No. 205,937. PUBLISHED MARCH 3, 1925.

198,580. INDICATORS AND INDEX DEVICES FOR LISTING NAMES OF PERSONS, THINGS, OR OTHER DATA AND FOR LISTING OR FILING PAPERS; CARD INDEXES, GUIDES FOR INDEXES AND FILES, INDEX TABS, HOLDERS FOR INDEX CARDS, INDEXED FILES, INDEXED CHECK SORTERS, LEDGERS, AND SEPARATE INDEX AND BALANCE BOOKS. RAND COMPANY, INC., North Tonawanda, N. Y.
Filed November 26, 1924. Serial No. 205,890. PUBLISHED MARCH 3, 1925.

198,581. DRESS AND WORK SHIRTS. TWINSIDE, INC., Milwaukee, Wis.
Filed November 24, 1924. Serial No. 205,800. PUBLISHED MARCH 3, 1925.

198,582. SERIAL PUBLICATIONS AND BOOKS AND LESSON SHEETS USED IN CONNECTION WITH A CORRESPONDENCE COURSE. HEALTH RECONSTRUCTIVE SOCIETY, INC., New York, N. Y.
Filed November 22, 1924. Serial No. 205,696. PUBLISHED MARCH 3, 1925.

198,583. COMPOUND FOR TREATING BRAKE LININGS OF MOTOR VEHICLES. GEORGE C. LAUTENSCHLAGER, Dayton, Ohio.
Filed November 18, 1924. Serial No. 205,485. PUBLISHED MARCH 3, 1925.

198,584. METAL POLISHES AND BOTTLE CLEANERS. FREDERICK HILDNER, Chicago, Ill.
Filed November 14, 1924. Serial No. 205,273. PUBLISHED MARCH 3, 1925.

198,585. ENAMEL CLEANER. OLIVER A. REED, INC., Plainfield, N. J.
Filed November 3, 1924. Serial No. 204,788. PUBLISHED MARCH 3, 1925.

198,586. COSMETIC CASES AND PARTS THEREOF, FARE BOXES, COIN BOXES, ALONE OR FORMING PART OF A VANITY CASE. LUCILLE BUHL VANITY PRODUCTS, INC., New York, N. Y.
Filed October 25, 1924. Serial No. 204,393. PUBLISHED FEBRUARY 17, 1925.

198,587. FIRE ENGINES, LIQUID, GAS, AND POWDER FIRE-EXTINGUISHING MACHINES; FIRE-EXTINGUISHING BOMBS AND ANNIHILATORS, PUMPS, FIRE HOOKS, FIRE BEATERS, AND CARTRIDGES AND COMPRESSED-GAS CONTAINERS FOR FIRE-EXTINGUISHING MACHINES. MINIMAX G. M. B. H., Berlin, Germany.
Filed August 4, 1921. Serial No. 151,366. PUBLISHED MARCH 3, 1925.

198,588. PAPER HANDKERCHIEFS AND NAPKINS. GERTRUDE GAGE JORDAN, doing business as The Style Silk Web Handkerchief Co. (not Inc.), Chicago, Ill.
Filed July 18, 1922. Serial No. 167,047. PUBLISHED MARCH 3, 1925.

198,589. COMPOSITIONS FOR REMOVING PAINT AND VARNISH. GRANDVILLE INDUSTRIAL LABORATORIES, Grandville, Mich., assignor, by mesne assignments, to Auto Paint & Varnish Company, Grand Rapids, Mich., a Corporation of Michigan.
Filed September 29, 1922. Serial No. 170,065. PUBLISHED MARCH 3, 1925.

198,590. TOILET PAPER. C. H. DEXTER & SONS, INC., Windsor Locks, Conn.
Filed April 30, 1923. Serial No. 179,930. PUBLISHED MARCH 3, 1925.

198,591. FURNITURE AND UPHOLSTERY. WALTER N. MADDOX, Brooklyn, N. Y.
Filed August 16, 1923. Serial No. 184,554. PUBLISHED MARCH 3, 1925.

198,592. MEN'S, WOMEN'S, AND CHILDREN'S CLOTHING. ABRAHAM & STRAUS, INC., New York, N. Y.
Filed September 24, 1923. Serial No. 186,094. PUBLISHED MARCH 3, 1925.

198,593. MEN'S, WOMEN'S, AND CHILDREN'S FOOTWEAR. SHOECRAFT SHOP, INC., New York, N. Y.
Filed November 6, 1923. Serial No. 188,067. PUBLISHED MARCH 3, 1925.

198,594. TOILET SOAP, LAUNDRY SOAP, SOAP CHIPS, AND LIQUID SOAP. ALLEN B. WRIGLEY COMPANY, Chicago, Ill.
Filed November 21, 1923. Serial No. 188,650. PUBLISHED FEBRUARY 24, 1925.

198,595. SOAP. THE REMMERS SOAP COMPANY, Cincinnati, Ohio, assignor to The Remmers-Graham Company, Cincinnati, Ohio, a Corporation of Ohio.
Filed January 2, 1924. Serial No. 190,356. PUBLISHED MARCH 3, 1925.

198,596. DIGESTS, A MONTHLY PUBLICATION. SCOTT'S BUSINESS ANALYSTS, INC., Chicago, Ill.
Filed January 9, 1924. Serial No. 190,613. PUBLISHED MARCH 3, 1925.

198,597. FRESH CITROUS FRUITS—NAMELY, ORANGES, GRAPEFRUIT, AND TANGERINES. HAINES CITY CITRUS GROWERS ASSOCIATION, Haines City, Fla.
Filed March 11, 1924. Serial No. 193,589. PUBLISHED MARCH 10, 1925.

198,598. PREPARATION OF MEAT EXTRACT. VALENTINE'S MEAT JUICE COMPANY, Richmond, Va.
Filed April 5, 1924. Serial No. 195,084. PUBLISHED FEBRUARY 10, 1925.

198,599. NEWSPAPER SECTIONS. LOS ANGELES DOWN TOWN SHOPPING NEWS COMPANY, Los Angeles, Calif.
Filed July 7, 1924. Serial No. 199,707. PUBLISHED MARCH 3, 1925.

198,600. CANDY. GEORGE C. MILLER & CO., INC., Boston, Mass.
Filed July 26, 1924. Serial No. 200,572. PUBLISHED MARCH 10, 1925.

198,601. BAKERS' FOOD-FLAVORING EXTRACTS AND COMPOUNDS. REGAL SUPPLY CORPORATION, New York, N. Y.
Filed August 4, 1924. Serial No. 200,963. PUBLISHED MARCH 3, 1925.

198,602. BAKERS' FOOD-FLAVORING EXTRACTS AND COMPOUNDS. REGAL SUPPLY CORPORATION, New York, N. Y.
Filed August 4, 1924. Serial No. 200,964. PUBLISHED MARCH 3, 1925.

198,603. TOILET SOAPS. PERFUMERIA GAL, SOCIEDAD ANONIMA, Madrid, Spain.
Filed August 19, 1924. Serial No. 201,622. PUBLISHED MARCH 3, 1925.

198,604. TOILET SOAPS. LILIAN GERY KYTE, doing business as Listal Toilet Co., Cardiff, South Wales.
Filed September 16, 1924. Serial No. 202,668. PUBLISHED MARCH 3, 1925.

198,605. WATER PUMPS. JOB ANDREWS & COMPANY, Los Angeles, Calif.
Filed October 13, 1924. Serial No. 203,779. PUBLISHED MARCH 3, 1925.

198,606. ACCOUNT OR BLANK BOOKS. COMMONWEALTH PUBLISHING COMPANY, Chicago, Ill.
Filed October 23, 1924. Serial No. 204,309. PUBLISHED MARCH 3, 1925.

198,607. MEN'S COATS, VESTS, TROUSERS, AND OVERCOATS. OSHER BROS., New York, N. Y.
Filed December 20, 1924. Serial No. 207,028. PUBLISHED MARCH 10, 1925.

198,608. LUBRICATING OILS AND GREASES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed January 22, 1925. Serial No. 208,489. PUBLISHED MARCH 10, 1925.

198,609. WOMEN'S AND GIRLS' DRESSES. MAVIS DRESS SHOPS, INC., New York, N. Y.
Filed January 22, 1925. Serial No. 208,473. PUBLISHED MARCH 10, 1925.

198,610. LADIES', MEN'S, AND CHILDEN'S HOSIERY. DAVID JACOBS CORPORATION, New York, N. Y.
Filed January 21, 1925. Serial No. 208,405. PUBLISHED MARCH 10, 1925.

198,611. HOSIERY. CANTOR AND KALISH, Philadelphia, Pa.
Filed January 21, 1925. Serial No. 208,380. PUBLISHED MARCH 10, 1925.

198,612. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO. INC., Troy, N. Y.
Filed January 20, 1925. Serial No. 208,330. PUBLISHED MARCH 10, 1925.

198,613. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y.
Filed January 19, 1925. Serial No. 208,288. PUBLISHED MARCH 10, 1925.

198,614. COLLARS. PHILLIPS-JONES CORPORATION, New York, N. Y.
Filed January 17, 1925. Serial No. 208,256. PUBLISHED MARCH 10, 1925.

198,615. MEN'S AND BOYS' DRESS AND NEGLIGEE SHIRTS. NORTH BROS. & CO., Baltimore, Md.
Filed January 17, 1925. Serial No. 208,253. PUBLISHED MARCH 10, 1925.

198,616. LADIES' HOSIERY. AUGUST POTH WOLTMAN, doing business as Ken-Mar Hosiery Mills, Philadelphia, Pa.
Filed January 15, 1925. Serial No. 208,174. PUBLISHED MARCH 10, 1925.

198,617. TROUSERS, SUITS, OVERCOATS, COATS, KNICKERS, AND RIDING BREECHES. GROSS & KOLODNER, Baltimore, Md.
Filed January 15, 1925. Serial No. 208,139. PUBLISHED MARCH 10, 1925.

198,618. TAILOR-MADE DRESSES. GREENWALD, FRIEDMAN & CO., INC., New York, N. Y.
Filed January 15, 1925. Serial No. 208,138. PUBLISHED MARCH 10, 1925.

198,619. LEATHER LOOM SUNDRIES—NAMELY, LOOM PICKERS AND CHECK STRAPS. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed January 12, 1925. Serial No. 207,962. PUBLISHED MARCH 10, 1925.

198,620. THERMOSTATS, THERMALLY-CONTROLLED VALVES, AND THERMOREGULATORS. ROBERTSHAW THERMOSTAT COMPANY, Youngwood, Pa.
Filed January 10, 1925. Serial No. 207,950. PUBLISHED MARCH 10, 1925.

198,621. PUMPING MACHINERY AND PUMPS. WORTHINGTON PUMP AND MACHINERY CORPORATION, New York, N. Y.
Filed January 9, 1925. Serial No. 207,908. PUBLISHED MARCH 10, 1925.

198,622. RAZORS. SPAGNA & CLINCO, New York, N. Y.
Filed January 9, 1925. Serial No. 207,894. PUBLISHED MARCH 10, 1925.

198,623. DENTAL FLOSS HOLDERS. FLOSSY DENTAL MFG. CO., Evanston, Ill.
Filed January 8, 1925. Serial No. 207,813. PUBLISHED MARCH 10, 1925.

198,624. OIL ENGINES. CONTINENTAL GIN CO., Birmingham, Ala.
Filed January 3, 1925. Serial No. 207,618. PUBLISHED MARCH 10, 1925.

198,625. LADIES' COATS. I. M. BAGDONOW, INC., New York, N. Y.
Filed December 11, 1924. Serial No. 206,559. PUBLISHED MARCH 10, 1925.

198,626. BUTTER CUTTERS AND PRINTERS. J. G. CHERRY COMPANY, Cedar Rapids, Iowa.
Filed December 8, 1924. Serial No. 206,896. PUBLISHED MARCH 10, 1925.

198,627. METAL-GRINDING MACHINES, PARTS THEREOF, AND REPLACEMENTS THEREFOR. GIDDINGS & LEWIS MACHINE TOOL COMPANY, Fond du Lac, Wis.
Filed November 26, 1924. Serial No. 205,869. PUBLISHED MARCH 10, 1925.

198,628. HOISTS AND WINCHES. ALFRED J. ERSTED, doing business as Ersted Machinery Manufacturing Co., Portland, Oreg.
Filed November 8, 1924. Serial No. 205,002. PUBLISHED MARCH 10, 1925.

198,629. AGRICULTURAL AND MILLING MACHINERY CONSISTING OF FEED MILLS, GRINDING MILLS, CRUSHERS, PULVERIZERS, AND SHREDDERS. JAMES BERNARD SEDBERRY, Utica, N. Y.
Filed October 30, 1924. Serial No. 204,631. PUBLISHED MARCH 10, 1925.

198,630. SANITARY SUPPORT AND NAPKIN. BARNETT MADOFF, Scranton, Pa.
Filed September 9, 1924. Serial No. 202,411. PUBLISHED MARCH 10, 1925.

198,631. CALCULATING MACHINES. RALPH C. COXHEAD, New York, N. Y.
Filed September 4, 1924. Serial No. 202,199. PUBLISHED MARCH 10, 1925.

198,632. HOSIERY. ROWLAND W. SPAIR, doing business as Rowland Spair Co., New York, N. Y.
Filed August 7, 1924. Serial No. 201,109. PUBLISHED MARCH 10, 1925.

198,633. HUNTERS' AXES, BROAD HATCHETS, SHINGLING HATCHETS, HALF HATCHETS, MACHINISTS' HAMMERS, RIPPING HAMMERS, AND NAIL HAMMERS. TOWNLEY METAL AND HARDWARE COMPANY, doing business as Interstate Tool Company, Kansas City, Mo.
Filed June 30, 1924. Serial No. 199,405. PUBLISHED MARCH 10, 1925.

198,634. PROJECTING PICTURE MACHINES, MOVING-PICTURE-PROJECTING MACHINES, MICROSCOPES, FIELD AND THEATER GLASSES, READING GLASSES, SURVEYORS' LEVELS, AND SURVEYORS' THEODOLITES. OPTICA, INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,565. PUBLISHED MARCH 10, 1925.

198,635. INK ROLLS, RUBBER MALLETS, HAMMER CUSHIONS USED ON LARGE STEAM OR ELECTRIC POWER HAMMERS, AND BAND-SAW BANDS USED ON PULLEY WHEELS TO PRESERVE THE SET OF THE SAW TEETH. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio.
Filed September 15, 1922. Serial No. 189,482. PUBLISHED MARCH 10, 1925.

198,636. CERTAIN TOILET PREPARATIONS. H. & G. KLOTZ, Paris, France.
Filed November 5, 1923. Serial No. 188,017. PUBLISHED MARCH 10, 1925.

198,637. CERTAIN TOILET PREPARATIONS. H. & G. KLOTZ, Paris, France.
Filed November 5, 1923. Serial No. 188,018. PUBLISHED MARCH 10, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

198,638. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) UNIFLOW STOKER COMPANY, Springfield, Ohio. Filed Mar. 19, 1925. Serial No. 211,310.

UNIFLOW

Particular description of goods.—Stokers.
Claims use since Aug. 1, 1923.

198,639. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DWIGHT HAMLIN CO., Pittsburgh, Pa. Filed Mar. 16, 1925. Serial No. 211,085.

SUPERFINE

Particular description of goods.—Horse Feed.
Claims use since June 1, 1921.

198,640. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FUHRER-FORD MILLING CO., Mount Vernon, Ind. Filed Mar. 11, 1925. Serial No. 210,836.

Welmixt

Particular description of goods.—Wheat Flour.
Claims use since January, 1910.

198,641. (CLASS 12. CONSTRUCTION MATERIALS.) ALLMETAL WEATHERSTRIP CO., Chicago, Ill. Filed Feb. 21, 1925. Serial No. 209,957.

Allmetal

Particular description of Goods.—Weather Stripping.
Claims use since Feb. 15, 1915.

198,642. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) PHILIP A. SINGER & BRO., INC., Newark, N. J. Filed Feb. 28, 1925. Serial No. 209,947.

BALTIC SEAL

Particular description of goods.—Dressed Furs.
Claims use since about August, 1922.

198,643. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) SAMUEL M. DELL & CO. INC., Baltimore, Md. Filed Feb. 7, 1925. Serial No. 209,207.

VARDELL

Particular description of goods.—Paint and Varnish Brushes.
Claims use since May 10, 1920.

198,644. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PITTSBURGH PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Feb. 2, 1925. Serial No. 208,997.

CORONA
Scale-Proof

Particular description of goods.—Insecticides and Fungicides.
Claims use since Jan. 16, 1922.

198,645. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Jan. 21, 1925. Serial No. 208,401.

HAMPDEN

Particular description of goods.—Leather Belting.
Claims use since Aug. 1, 1908.

198,646. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Jan. 21, 1925. Serial No. 208,399.

HOLYOKE

Particular description of goods.—Leather Belting.
Claims use since Feb. 1, 1904.

198,647. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Jan. 19, 1925. Serial No. 208,304.

Master Builders

Particular description of goods.—Colored Cement; Materials Used for Waterproofing, Hardening, Frostproofing, Controlling the Set of, and Coloring Cement and Concrete; and Material for Patching Stone and Cement and Concrete.
Claims use since 1909.

198,648. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERBERT N. COOK, doing business as Cook & Company, New Orleans, La. Filed Dec. 26, 1924. Serial No. 207,232.

BARATARIA

Particular description of goods.—Canned Shrimp.
Claims use since Jan. 1, 1921.

198,649. (CLASS 39. CLOTHING.) ALICE SNITJER BURKE, New York, N. Y. Filed Dec. 24, 1924. Serial No. 207,177.

Ultra Smart

Particular description of goods.—Frocks.
Claims use since Apr. 1, 1924.

198,650. (CLASS 39. CLOTHING.) GIDDING & CO., INC., Cincinnati, Ohio. Filed Dec. 22, 1924. Serial No. 207,074.

Gidding & Co. INC. CINCINNATI

Particular description of goods.—Ladies' Tailor-Made Suits.
Claims use since Dec. 21, 1923.

198,651. (CLASS 39. CLOTHING.) GIDDING & CO., INC., Cincinnati, Ohio. Filed Dec. 22, 1924. Serial No. 207,072.

Gidding CINCINNATI

Particular description of goods.—Ladies' Coats, Ladies' Wraps, and Ladies' Tailored Dresses.
Claims use since Dec. 21, 1923.

198,652. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRISTIAN W. REIHER, doing business as Quaker Maid Candies, Philadelphia, Pa. Filed Nov. 12, 1924. Serial No. 205,174.

"MAKE THE GREETING SWEETER"

Particular description of goods.—Candies.
Claims use since October, 1922.

198,653. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. P. BABCOCK CO., New York, N. Y. Filed Aug. 18, 1924. Serial No. 201,528.

BABCOCK'S

BLUE JASMIN

Particular description of goods.—Perfume, Toilet Water, Talcum Powder, Face Powder, Skin Cream, Skin Lotion, Deodorant, Hair Tonic, Sachet Powder, Lip Stick, Rouge, Tooth Paste, Cold Cream, Vanishing Cream, After-Shaving Lotion and Lemon Cleansing Cream.
Claims use since Apr. 4, 1924.

198,654. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DRITSCH BROTHERS, New York, N. Y. Filed Aug. 14, 1924. Serial No. 201,896.

BOAR SKIN



Particular description of goods.—Leather.
Claims use since Feb. 25, 1924.

198,655. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HONEY BROOK SWEETS, INC., Honey Brook, Pa. Filed May 6, 1924. Serial No. 196,662.

HONEY BROOK SWEETS

Particular description of goods.—Candy.
Claims use since Apr. 2, 1924.

198,656. (CLASS 45. BEVERAGES, NONALCOHOLIC.) W. B. TAYLOR, Jr. Salisbury, N. C. Filed Mar. 31, 1924. Serial No. 194,750.

PEACH AND HONEY

Particular description of goods.—Nonalcoholic, noncereal, maltless beverage sold as a soft drink.
Claims use since Jan. 15, 1924.

198,657. (CLASS 35. BELTING, HOSE, MACHINERY PACKING AND NONMETALLIC TIRES.) EDWIN B. MCKAY, Chicago, Ill. Filed Mar. 13, 1924. Serial No. 193,719.

Golden State

Particular description of goods.—Tires.
Claims use since Jan. 1, 1923.

198,658. (CLASS 39. CLOTHING.) STANDARD KNITTING MILLS, Knoxville, Tenn. Filed Mar. 8, 1924. Serial No. 193,479.

Winter Wear

Particular description of goods.—Men's and Boys' Knitted Undershirts, Drawers, and Union Suits.
Claims use since Feb. 26, 1924.

198,659. (CLASS 12. CONSTRUCTION MATERIALS.) BAYLUS J. CHAMBLIN, Little Rock, Ark. Filed Feb. 4, 1924. Serial No. 191,745.

BRIKTILE

Particular description of goods.—Hollow Building Tile.
Claims use since Jan. 25, 1924.

198,660. (CLASS 25. LOCKS AND SAFES.) WILLIAM G. MCGUIRE, Hollywood, Calif. Filed Jan. 28, 1924. Serial No. 191,892.

"M.GUIRE SAFETY WINDOW LOCKS"

Particular description of goods.—Safety Window Lock.
Claims use since Sept. 1, 1923.

TRADE-MARK REGISTRATIONS RENEWED

26,029. TOILET SOAP, PERFUMERY, POWDERS, AND SIMILAR PREPARATIONS. Registered February 12, 1895. VICTOR KLOTZ. Renewed February 12, 1925, to H. & G. Klotz, Paris, France, and New York, N. Y., successors.

26,030. TOILET SOAP, PERFUMERY, POWDERS, AND SIMILAR PREPARATIONS. Registered February 12, 1895. VICTOR KLOTZ. Renewed February 12, 1925, to H. & G. Klotz, Paris, France, and New York, N. Y., successors.

26,031. TOILET SOAP, PERFUMERY, POWDERS, AND SIMILAR PREPARATIONS. Registered February 12, 1895. VICTOR KLOTZ. Renewed February 12, 1925, to H. & G. Klotz, Paris, France, and New York, N. Y., successors.

44,750. MOUTH HARMONICAS. Registered July 25, 1905. FIRM OF M. HOHNER. Renewed July 25, 1925, to M. Hohner, Inc., New York, N. Y., a Corporation of New York, successor.

45,276. MEDICATED ADHESIVE PLASTERS. Registered August 8, 1905. GEORGE MORTIMER. Renewed August 8, 1925, to George Mortimer & Company, Inc., Boston, Mass., a Corporation of Massachusetts, assignee.

45,284. A LIQUID SPECIFIC FOR FEMALE COMPLAINTS. Registered August 8, 1905. GEORGE MORTIMER, Boston, Mass. Renewed August 8, 1925, to George Mortimer & Company, Inc., Boston Mass., a Corporation of Massachusetts, assignee.

45,415. HOES. Registered August 15, 1905. D. & H. SCOVIL, Higganum, Conn. Renewed August 15, 1925, to D. & H. Scovil, Inc., Higganum, in the town of Haddam, Conn., a Corporation of Connecticut, successor.

45,601. BLANK BOOKS AND WRITING PAPER. Registered August 22, 1905. NATIONAL BLANK BOOK CO. Renewed August 22, 1925, to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association and Copartnership, successor.

45,602. BLANK BOOKS AND WRITING PAPER. Registered August 22, 1905. NATIONAL BLANK BOOK CO. Renewed August 22, 1925, to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association and Copartnership, successor.

45,652. ARTIFICIAL OR MANUFACTURED FERTILIZERS. Registered August 22, 1905. THE IMPERIAL COMPANY, Norfolk, Va. Renewed August 22, 1925, to The American Agricultural Chemical Company, New York, N. Y., a Corporation of Connecticut, successors.

45,683. BLANK BOOKS AND WRITING PAPER. Registered August 29, 1905. NATIONAL BLANK BOOK CO. Renewed August 29, 1925, to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association and Copartnership, successor.

45,898. WALL PLASTER. Registered August 29, 1905. GRANITINE WALL PLASTER CO. Renewed August 29, 1925, to Benjamin Franklin Patschke, doing business as Granitine Wall Plaster Company, Lebanon, Pa., successor.

46,221. DOOR FASTENERS, CHECKS, LOCKS, LATCHES, AND PARTS THEREOF. Registered September 12, 1905. RUSSELL & ERWIN MANUFACTURING COMPANY. Renewed September 12, 1925, to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut, assignee.

46,275. COUGH DROPS. Registered September 12, 1905. WILLIAM W. SMITH. Renewed September 12, 1925, to Smith Brothers, Inc., Poughkeepsie, N. Y., a Corporation of New York, assignee.

46,363. TOILET AND LAUNDRY SOAPS. Registered September 12, 1905. THE BEAVER SOAP CO., Dayton, Ohio, a Corporation of Ohio. Renewed September 12, 1925.

46,659. REFRIGERATORS. Registered October 3, 1905. D. EDDY & SONS CO., Boston, Mass., a Corporation of Massachusetts. Renewed October 3, 1925.

46,661. HOLLOW SHOE FORMS. Registered October 3, 1905. EXCEL SHOE FORM COMPANY. Renewed October 3, 1925, to Excel Shoe Form Company, Lynn, Mass., a Corporation of Massachusetts, assignee.

46,663. KNITTED UNDERWEAR. Registered October 3, 1905. GLASTONBURY KNITTING COMPANY, Addison, Conn., a Corporation of Connecticut. Renewed October 3, 1925.

46,672. TOILET SOAP. Registered October 3, 1905. THE WILLIAMS SOAP COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed October 3, 1925.

46,756. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered October 3, 1905. THE CRESCENT WATCH CASE CO., New York, N. Y. Renewed October 3, 1925, to The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., a Corporation of Pennsylvania, successors.

46,780. LUBRICATING OILS. Registered October 10, 1905. VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey. Renewed October 10, 1925.

LABELS

REGISTERED MAY 19, 1925.

28,685.—*Title:* ACME. For Cigars. AMERICAN BEAUTY CIGAR COMPANY, Toronto, Ohio. Published March 19, 1925.

28,686.—*Title:* DAY'S SHELLAC GUARANTEE. For Shellac. JAMES B. DAY & CO., Chicago, Ill. Published March 25, 1925.

28,687.—*Title:* COLUMBINE WHITE. For Soap. THE DENVER SOAP & MANUFACTURING CO., Denver, Colo. Published March 31, 1925.

28,688.—*Title:* PARKER HOUSE BREAD. For Bread. EASTERN BAKERS CONSOLIDATED, INC., Boston and Peabody, Mass. Published February 23, 1925.

28,689.—*Title:* AMERICAN BEAUTY. For Pasteurized Brick-Loaf Cheese. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published February 20, 1925.

28,690.—*Title:* AUTOCRAT TABLE EGGS. For Eggs. LEWIS, MEARS COMPANY, Boston, Mass. Published April 15, 1924.

28,691.—*Title:* B & C. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Bryant and Chapman Company, Hartford, Conn. Published March 23, 1925.

28,692.—*Title:* CENTROX. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Centrox Dairy Incorporated, Centerville, Iowa. Published March 4, 1925.

28,693.—*Title:* DAISY BREAD. For Bread. NEWARK PARAFFINE & PARCHMENT PAPER CO., Newark, N. J., and New York, N. Y. Published March 25, 1925.

28,694.—*Title:* JAP. For Toilet Paper. NORTHERN PAPER MILLS, Green Bay, Wis. Published March 16, 1925.

28,695.—*Title:* PARTOS 'MOUNTAINS' SECRET.' For General System Purifier and Tonic. PARTOLA INCORPORATED, Jersey City, N. J. Published February 1, 1925.

28,696.—*Title:* SHIPPING SYMBOL OF PAUWELA PINEAPPLE CO. For Canned Pineapple. PAUWELA PINEAPPLE COMPANY, San Jose, Calif. Published January 13, 1925.

28,697.—*Title:* LEWIS' LYE. For Lye. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published March 16, 1925.

28,698.—*Title:* CHOCOLATE BREAKERS. For Chocolate Shell for Containing Ice Cream. R. T. ROGERS SYNDICATE, Lockhart, Tex. Published March 7, 1925.

28,699.—*Title:* LONGFELLOW. For Cigarettes. ROSENDOR CIGARETTE CO., New York, N. Y. Published March 10, 1925.

28,700.—*Title:* BLUE RIDGE FARMS. For Eggs. W. A. SCHURMANN & COMPANY, INC., Chicago, Ill. Published March 20, 1925.

28,701.—*Title:* W. For Fresh Pears. WILCOX FRUIT CO., Santa Clara, Calif. Published February 24, 1925.

PRINTS

REGISTERED MAY 19, 1925.

7,932.—*Title:* MAKE YOUR HOME HOME LIKE WITH BERRY BROTHERS VARNISHES, ENAMELS, STAINS. For Varnishes, Enamels, Stains. Berry Bros. Inc., Detroit, Mich. Published January 12, 1925.

7,933.—*Title:* "SMILING TEETH" MORNING NOON AND NIGHT. For Colgate's Ribbon Dental Cream. Colgate & Company, Jersey City, N. J. Published February 28, 1925.

7,934.—*Title:* INTUITION. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Co., Pittsfield, Mass. Published February 25, 1925.

7,935.—*Title:* YOUR "TS" TELL ON YOU. For Eaton's Highland Linen and Crane's Linen Lawn. Eaton, Crane & Pike Co., Pittsfield, Mass. Published December 1, 1924.

7,936.—*Title:* CHARACTER. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Company, Pittsfield, Mass. Published October 1, 1924.

7,937.—*Title:* EDISON MAZDA LAMPS FOR YOUR CAR. For Mazda Lamps. Edison Lamp Works of General Electric Co., Harrison, N. J. Published March 7, 1925.

7,938.—*Title:* FOR YOUR CAR EDISON MAZDA LAMPS. For Mazda Lamps. Edison Lamp Works of General Electric Co., Harrison, N. J. Published March 27, 1925.

7,939.—*Title:* DISCOVERED! THE SECRET OF A GOOD APPETITE! For Heins 57 Varieties. H. J. Heins Co., Pittsburgh, Pa. Published January 10, 1925.

7,940.—*Title:* —AND THEN WE LABEL IT HEINZ. For Heins 57 Varieties. H. J. Heins Co., Pittsburgh, Pa. Published February 1, 1925.

7,941.—*Title:* HEINZ MINCE MEAT. For Heins 57 Varieties. H. J. Heinz Company, Pittsburgh, Pa. Published November 15, 1924.

7,942.—*Title:* HEINZ CREAM SOUPS. For Heins 57 Varieties. H. J. Heinz Company, Pittsburgh, Pa. Published December 18, 1924.

7,943.—*Title:* HEINZ BEANS ARE BAKED IN REAL OVENS. For Heins 57 Varieties., H. J. Heinz Company, Pittsburgh, Pa. Published March 7, 1925.

7,944.—*Title:* CASCARA QUININE. For Hill's Cascara Quinine. W. H. Hill Co., Detroit, Mich. Published June 12, 1924.

7,945.—*Title:* YOUR WEIGHT IS YOUR SIZE IN A JANTZEN. For Bathing Suits, Knitted Wear. Jantzen Knitting Mills, Portland, Oreg. Published March 2, 1925.

7,946.—*Title:* SO EASY TO MAKE. For Jell-O—a Dessert Preparation. The Jell-O Company, Inc., New York, N. Y. Published February 7, 1925.

7,947.—*Title:* "FIRST EVERY MORNING." For Coffee. Franklin MacVeagh & Company, Chicago, Ill. Published March 28, 1925.

7,948.—*Title:* JOHNNY TOGGLEGRIP. For Buckles. C. A. Marsh & Co., Attleboro, Mass. Published March 13, 1925.

7,949.—*Title:* BLIZZARD FREEZER. For Ice-Cream Freezers. North Bro's M'f'g Co., Philadelphia, Pa. Published March 27, 1925.

7,950.—*Title:* NYLOTIS AIDS TO BEAUTY SHOW ONLY IN RESULTS. For Toilet Preparations. Nyal Company, Detroit, Mich. Published February 24, 1925.

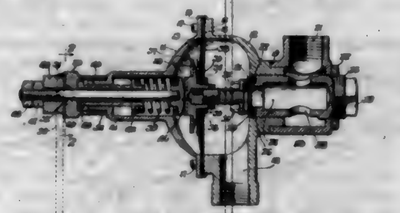
7,951.—*Title:* MOTHER, I JUST LOVE MY MILK WITH RUNKOMALT. For a Chocolate-Flavored Malted Food Preparation. Runkel Brothers, Inc., New York, N. Y. Published March 25, 1925.

7,952.—*Title:* FOR THAT RAVENOUS AFTER-SCHOOL APPETITE. For Gold Medal Flour. Washburn Crosby Co., Minneapolis, Minn. Published January 31, 1925.

REISSUES

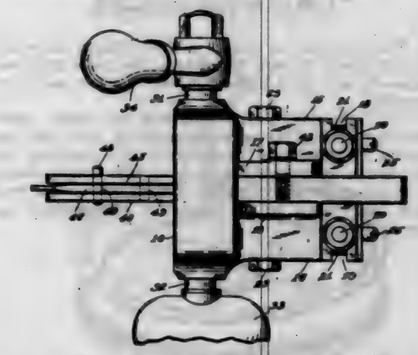
MAY 19, 1925.

16,071. PRESSURE-RELIEF VALVE. Parmer Dorsey, Wichita, Kans., and Ronsby D. McIntosh, River Forest, Ill., assignors to The Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1923. Serial No. 18,926. Original No. 1,493,774, dated May 13, 1924, Serial No. 406,501, filed Aug. 27, 1920. 17 Claims. (Cl. 137—53.)



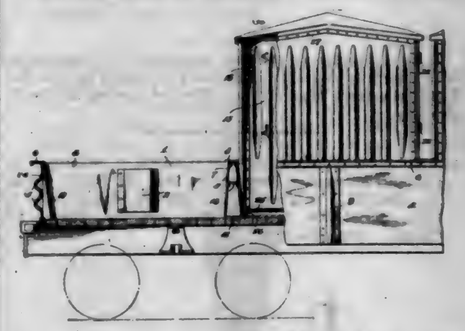
9. In a pressure operated release valve, the combination with a casing, of a spring metal diaphragm covering a chamber in said casing, an inlet to said chamber, an outlet for the chamber associated with said casing, a valve seat in said outlet, a valve co-operating with the seat and connected to the diaphragm, and means for applying pressure to the outside of the diaphragm, said diaphragm being concaved and provided with an annular offset that causes the center of the diaphragm to tend to be held by the inherent resiliency of the diaphragm in position either to close the valve completely or hold it wide open, for the purpose described.

16,072. SWAGE SHAPER. John F. Priebnow, San Diego, Calif., and Nels Waldemar Soderin, Duluth, Minn., assignors to E. C. Atkins & Company, Indianapolis, Ind., a Corporation of Indiana. Filed Dec. 18, 1924. Serial No. 756,839. Original No. 1,279,156, dated Sept. 17, 1918, Serial No. 229,488, filed Apr. 19, 1918. 23 Claims. (Cl. 76—49.)



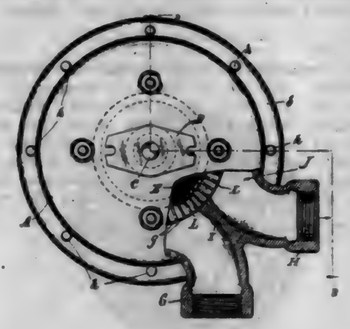
1. A swage shaper, comprising a yoke having legs adapted to project on opposite sides of the saw of which the teeth are to be shaped, shaper jaws mounted in said legs, a unitary guide-bar projecting in both directions past the working point of said shaper jaws and adapted to engage saw teeth, the angular position of said unitary guide-bar with relation to the plane of operation of said shaper jaws being adjustable, and a tooth gage carried by said guide-bar for engaging a saw tooth.

16,073. COMPARTMENT FREIGHT CAR. Alfred H. Smith, New York, N. Y. Filed Feb. 21, 1924. Serial No. 694,438. Original No. 1,407,593, dated Feb. 21, 1922, Serial No. 387,517, filed June 9, 1920. 22 Claims. (Cl. 105—366.)



1. The combination with a car, of a plurality of separate freight compartments detachably mounted therein, and interlocking members on inner face of the walls of the car and compartments respectively, whereby each compartment is independently and rigidly anchored in the car and whereby each compartment may be removed as a unit without impairing the stability of the other compartments or of the car.

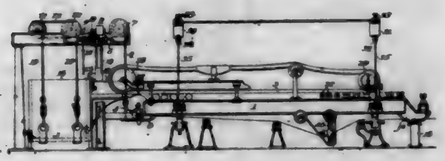
16,074. ROTARY PUMP. Adolph Wahle, Davenport, Iowa. Filed Jan. 23, 1922. Serial No. 531,268. Original No. 1,228,267, dated May 29, 1917, Serial No. 59,905, filed Nov. 6, 1915. 12 Claims. (Cl. 103—96.)



1. In a rotary pump, a rotor the marginal portion of the outer circumference of which is provided with a series of buckets the bottoms of which are substantially

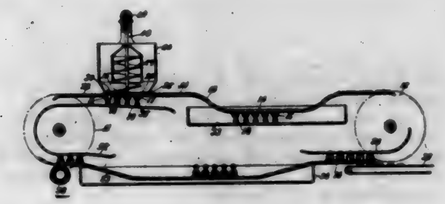
flat and incline from the periphery thereof to the side of the same nearer the center of the rotor and are separated by the blades having flat transverse sides.

16,075. PAPER-MAKING MACHINE. ALONZO ALDRICH, Beloit, Wis., assignor to Beloit Iron Works, Beloit, Wis., a Corporation of Wisconsin. Filed Oct. 17, 1923. Serial No. 669,187. Original No. 1,421,754, dated July 4, 1922, Serial No. 485,180, filed July 16, 1921. 66 Claims. (Cl. 92—44.)



1. In a machine of the class specified, the combination of a laterally movable table, and overhead means for lifting the front edge of the table and moving the table laterally.

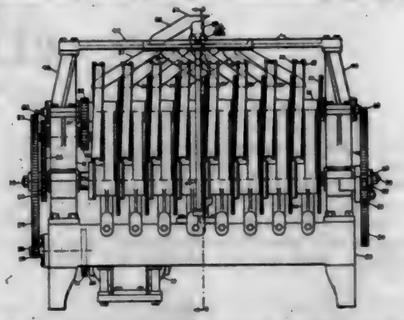
16,076. SOAP-MOLDING MACHINE. MARION L. CROUCH, Milwaukee, Wis. Filed Mar. 29, 1921. Serial No. 456,662. Original No. 1,308,758, dated July 8, 1919, Serial No. 189,099, filed Aug. 31, 1917. 13 Claims. (Cl. 25—99.)



1. A mold structure for a soap making machine comprising a plate, a plurality of closed molds projecting from one face of said plate and spaced apart to freely expose their adjacent surfaces on different sides thereof and freely admit a cooling liquid to all sides thereof, and a liquid cooling tank to receive said molds.

16,077. MACHINE FOR FORMING SPHERICAL BODIES. HOWARD M. JENKINS, Steubenville, Ohio. Filed Jan. 24, 1925. Serial No. 4,613. Original No. 1,488,817, dated Apr. 1, 1924, Serial No. 600,851, filed Nov. 11, 1922. 26 Claims. (Cl. 49—25.)

22. In a machine for making spherical bodies, a pair of rotating peripherally grooved co-operating forming wheels of different peripheral speeds with the wheel of greater peripheral speed moving upwardly at forming position and means operating automatically and in synchronism with said wheels for periodically separating the same for the purpose of discharging finished articles therefrom.



16,078. BATTERY CUP. JOHN M. OLIN, East Alton, Ill., assignor, by mesne assignments, to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Sept. 6, 1923. Serial No. 661,293. Original No. 1,438,779, dated Dec. 12, 1922, Serial No. 554,313, filed Apr. 17, 1922. 12 Claims. (Cl. 102—18.)



1. A cartridge having a partly empty primer cavity provided with a flash hole, and a membrane closing said flash hole.

16,079. VISCERA AND HEAD INSPECTION TABLE. ALVIN O. LUNDELL, Chicago, Ill., assignor to The Allbright-Nell Co., Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1925. Serial No. 7,436. Original No. 1,445,632, dated Feb. 20, 1923, Serial No. 562,560, filed May 20, 1922. 12 Claims. (Cl. 17—43.)



1. The combination with a movable viscera inspecting table, of means thereon for dividing the table into compartments, and head holders on said table in said compartments.

2. An inspection device comprising an endless table, means for driving the same, members on said table for dividing the table into compartments for receiving viscera, and a receptacle for each of said compartments for receiving the removed head of the same carcass from which the viscera in the respective compartment has been removed.

DESIGNS

MAY 19, 1925.

67,327. BUTTON OR SIMILAR ARTICLE. WILLIAM A. ANSLEY, Port Washington, N. Y., assignor to Swansdown Knitting Company, Hudson, N. Y., a Corporation of New York. Filed Nov. 30, 1921. Serial No. 519,013. Term of patent 14 years.



The ornamental design for a button or similar article substantially as shown.

67,328. BEDSTEAD END FRAME. CHRISTFORR M. AUGUSTINE, Linden, N. J., assignor to Simmons Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 19, 1925. Serial No. 12,771. Term of patent 14 years.



The ornamental design for a bedstead end frame as shown.

67,329. FRAME FOR A NUTCRACKER. WILLIAM HENRY BAGBY, Los Angeles, Calif. Filed July 19, 1922. Serial No. 3,130. Term of patent 3½ years.



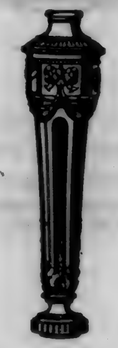
The ornamental design for a frame for a nut cracker as shown.

67,330. SOCKET FOR CANDLESTICKS OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 29, 1925. Serial No. 12,194. Term of patent 14 years.



The ornamental design for a socket for candlesticks or similar articles, as shown.

67,331. PILLAR FOR CANDLESTICKS OR SIMILAR ARTICLES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 29, 1925. Serial No. 12,195. Term of patent 14 years.



The ornamental design for a pillar for candlesticks or similar articles, as shown.

67,332. BASE FOR CANDLESTICKS OR SIMILAR DEVICES. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 29, 1925. Serial No. 12,196. Term of patent 14 years.



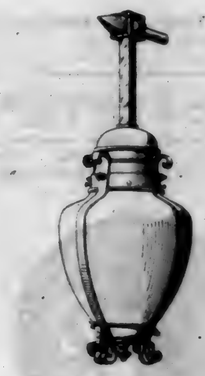
The ornamental design for a base for candlesticks or similar devices, as shown.

67,333. CANDELABRUM. ERNEST T. BECK, Meriden, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Jan. 29, 1925. Serial No. 12,197. Term of patent 14 years.



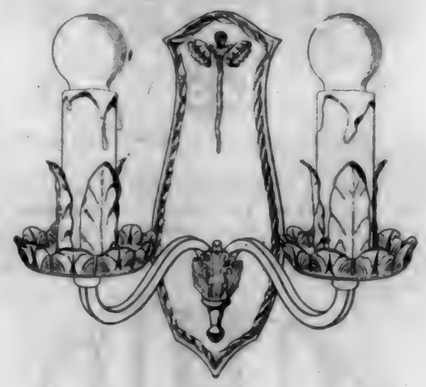
The ornamental design for a candelabrum as shown.

67,334. LAMP. CHARLES BELL, Philadelphia, Pa. Filed Mar. 27, 1925. Serial No. 12,917. Term of patent 3½ years.



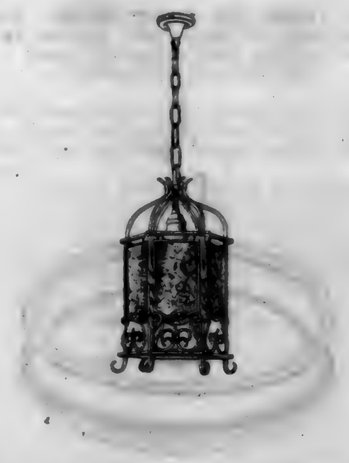
The ornamental design for a lamp as shown.

67,335. WALL BRACKET. JOHN L. CHAPPELL, Los Angeles, Calif., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif., a Partnership composed of J. L. Chappell, B. E. Rieg, and E. B. Williams. Filed Jan. 6, 1925. Serial No. 11,940. Term of patent 3½ years.



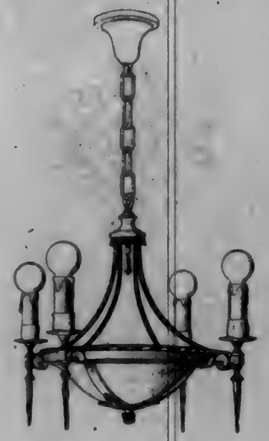
The ornamental design for a wall bracket, as shown.

67,336. CHANDELIER. JOHN L. CHAPPELL, Los Angeles, Calif., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif., a Partnership composed of J. L. Chappell, B. E. Rieg, and E. B. Williams. Filed Jan. 6, 1925. Serial No. 11,941. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

67,337. CHANDELIER. JOHN L. CHAPPELL, Los Angeles, Calif., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif., a Partnership composed of J. L. Chappell, B. E. Rieg, and E. B. Williams. Filed Jan. 6, 1925. Serial No. 11,942. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

67,338. TEXTILE FABRIC. RICHARD COCKING, Waltham, Mass. Filed Mar. 25, 1925. Serial No. 12,874. Term of patent 3½ years.

The ornamental design for a textile fabric as shown.

67,339. RADIOCABINET. WILLIAM H. DEWAR, Philadelphia, Pa., assignor to Pooley Furniture Company, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 22, 1924. Serial No. 9,686. Term of patent 7 years.



The ornamental design for a radiocabinet as shown.

67,340. PRINTED FABRIC. CHARLES E. GILMAN, Kew Gardens, N. Y., assignor to Goldstein-Wilkins Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1925. Serial No. 12,146. Term of patent 3½ years.



The ornamental design for printed fabric, as shown.

67,341. PRINTED FABRIC. CHARLES E. GILMAN, Kew Gardens, N. Y., assignor to Goldstein-Wilkins Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 26, 1925. Serial No. 12,147. Term of patent 3½ years.



The ornamental design for printed fabric, as shown.

67,342. NECKTIE HOLDER. MABEL W. HAMMER, New York, N. Y. Filed Dec. 11, 1924. Serial No. 11,671. Term of patent 3½ years.



The ornamental design for a necktie holder.

67,343. RING. SOLOMON HYMAN, Boston, Mass. Filed Mar. 21, 1925. Serial No. 12,804. Term of patent 14 years.



The ornamental design for a ring, as shown.

67,344. BADGE. FRANK S. LAND, Kansas City, Mo., assignor to Grand Council Order of De Molay for Boys, Kansas City, Mo. Filed Dec. 1, 1924. Serial No. 11,550. Term of patent 14 years.



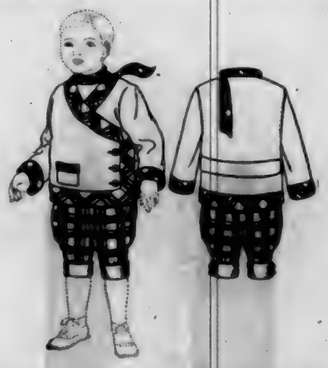
The ornamental design for a badge, as shown.

67,345. GOBLET. VIRGIL LOOMIS, Pittsburgh, Pa., assignor to United States Glass Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1925. Serial No. 12,811. Term of patent 7 years.



The ornamental design for a goblet substantially as shown.

67,346. COMBINATION CHILD'S SUIT. MARGARET D. MACKINNON, Lincoln, Nebr., assignor to Marshall Field & Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 31, 1925. Serial No. 12,213. Term of patent 14 years.



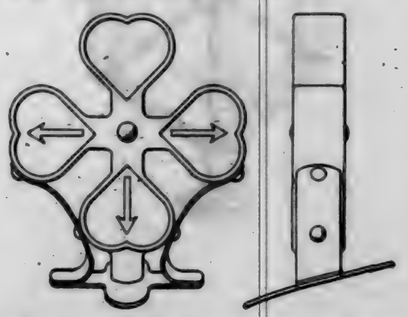
The ornamental design for a combination child's suit, as shown.

67,347. HAT. BESSIE OLDEN MASON, East Orange, N. J., assignor to James McCreery & Company, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1925. Serial No. 12,976. Term of patent 3½ years.



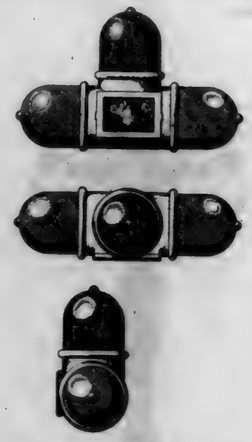
The ornamental design for a hat, as shown.

67,348. AUTOMOBILE SIGNAL. NATHAN R. MATOSA, Memphis, Tenn. Filed Mar. 14, 1925. Serial No. 12,722. Term of patent 14 years.



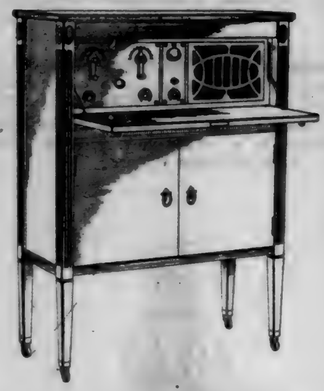
The ornamental design for an automobile signal as shown.

67,349. CASING FOR SIGNAL LIGHT. WILLIAM F. NEUBECK, Brooklyn, N. Y. Filed Mar. 9, 1925. Serial No. 12,643. Term of patent 14 years.



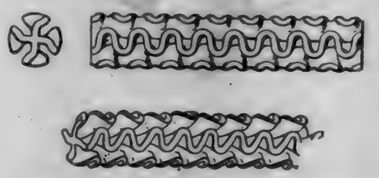
The ornamental design for a casing for signal light, as shown.

67,350. RADIOCABINET. ALBERT O. PRICE, Coshocton, Ohio. Filed Aug. 4, 1924. Serial No. 10,374. Term of patent 14 years.



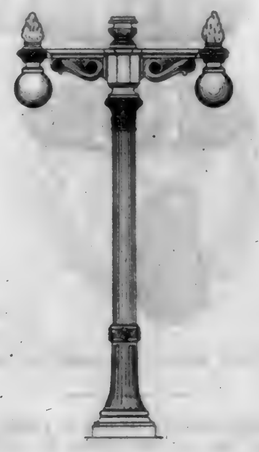
The ornamental design for a radiocabinet as shown.

67,351. MACARONI OR SIMILAR ARTICLE. GIUSEPPE RANUCCI, New York, N. Y. Filed Jan. 17, 1925. Serial No. 12,076. Term of patent 14 years.



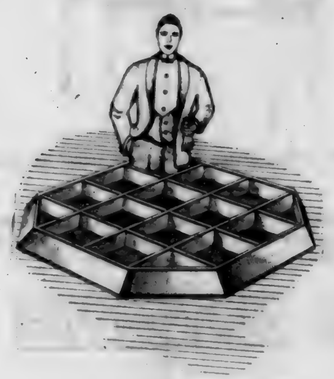
The ornamental design for macaroni or similar article, as shown.

67,352. LIGHTING STANDARD. HARRY O. RASTETTER, Canton, Ohio, assignor to The Union Metal Manufacturing Company, Canton, Ohio, a Corporation of Ohio. Filed Dec. 17, 1924. Serial No. 11,720. Term of patent 3½ years.



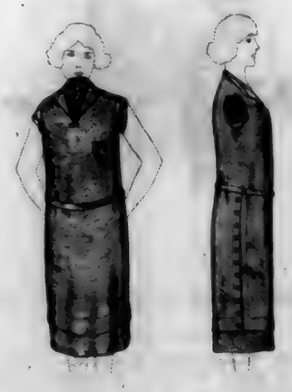
The ornamental design for lighting standard, as shown.

67,353. DISPLAY TRAY. EVERETT IRVING ROGERS, Jr., Providence, R. I. Filed Nov. 7, 1924. Serial No. 11,311. Term of patent 7 years.



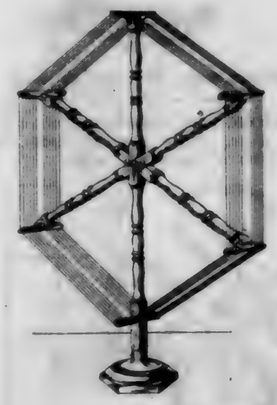
The ornamental design for a display tray substantially as shown.

67,354. DRESS. MILDRED C. SCHMOLER, New York, N. Y., assignor to Franklin Simon & Co., Inc., New York, N. Y., a Corporation of New York. Filed Feb. 16, 1925. Serial No. 12,304. Term of patent 3½ years.



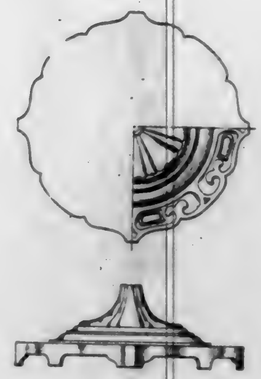
The ornamental design for a dress, substantially as shown.

67,355. LOOP ANTENNA. ROMEYN B. SCRIBNER, Rye, N. Y. Filed Mar. 27, 1925. Serial No. 12,912. Term of patent 14 years.



The ornamental design for a loop antenna, as shown.

67,356. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,890. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,357. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,891. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures as shown.

67,358. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,892. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures as shown.

67,359. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,893. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,360. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,894. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,361. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,895. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,362. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,896. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,363. PENDULET. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,897. Term of patent 3½ years.



The ornamental design for a pendulet as shown.

67,364. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,898. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,365. PENDULET. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,899. Term of patent 3½ years.



The ornamental design for a pendulet as shown.

67,366. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,900. Term of patent 3½ years.



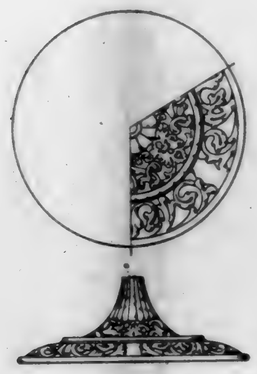
The ornamental design for a spindle for lighting fixtures as shown.

67,367. SPINDLE FOR LIGHTING FIXTURES. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,901. Term of patent 3½ years.



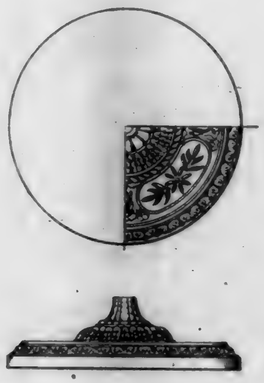
The ornamental design for a spindle for lighting fixtures as shown.

67,368. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,902. Term of patent 3½ years.



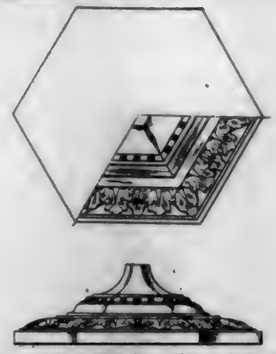
The ornamental design for a lamp base as shown.

67,369. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,903. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,370. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,904. Term of patent 3½ years.



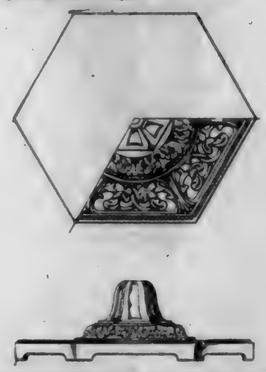
The ornamental design for a lamp base as shown.

67,371. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,905. Term of patent 3½ years.



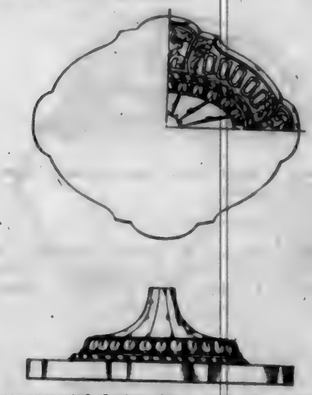
The ornamental design for a lamp base as shown.

67,372. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,906. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,373. LAMP BASE. LOUIS SEVERUS, Chicago, Ill., assignor to Art Lamp Manufacturing Company, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,907. Term of patent 3½ years.



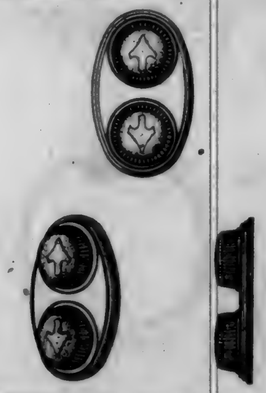
The ornamental design for a lamp base as shown.

67,374. PAPER. THOMAS L. STONE, Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass., a Corporation of Massachusetts. Filed Jan. 12, 1925. Serial No. 12,022. Term of patent 14 years.



The ornamental design for paper as shown.

67,375. ELEVATOR SIGNAL PANEL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 12,724. Term of patent 7 years.



The ornamental design for an elevator signal panel, as shown.

67,376. ELEVATOR SIGNAL PANEL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 12,725. Term of patent 7 years.



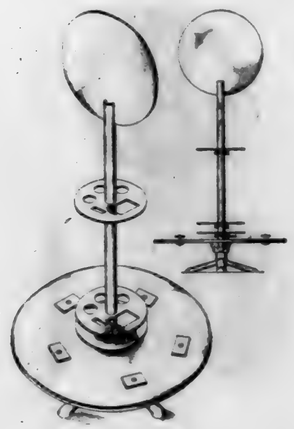
The ornamental design for an elevator signal panel, as shown.

67,377. ELEVATOR SIGNAL PANEL. PAUL SCHUYLER VAN BLOEM, Hempstead, N. Y., assignor to Viking Products Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1925. Serial No. 12,726. Term of patent 7 years.



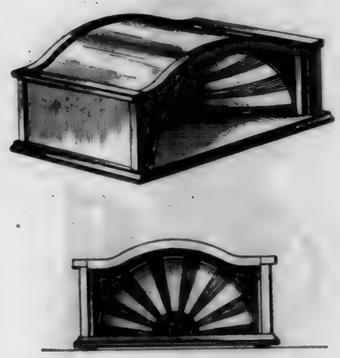
The ornamental design for an elevator signal panel, as shown.

67,378. DISPLAY STAND FOR JACKS. WILLARD T. WALKER, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Feb. 21, 1924. Serial No. 8,695. Term of patent 7 years.



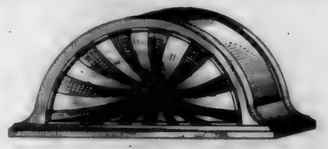
The ornamental design for a display stand for jacks, as shown.

67,379. COMBINED RADIOCABINET AND LOUD SPEAKER. JOHN S. WATTERS, Vincennes, Ind. Filed Mar. 7, 1925. Serial No. 12,639. Term of patent 7 years.



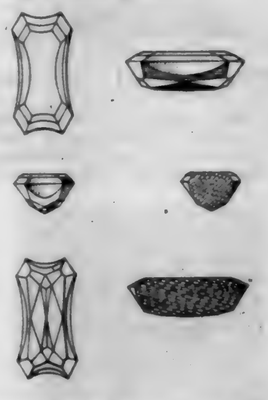
The ornamental design for a combined radiocabinet and loud speaker, as shown.

67,380. COMBINED RADIOCABINET AND LOUD SPEAKER. JOHN S. WATTERS, Vincennes, Ind. Filed Mar. 7, 1925. Serial No. 12,640. Term of patent 7 years.



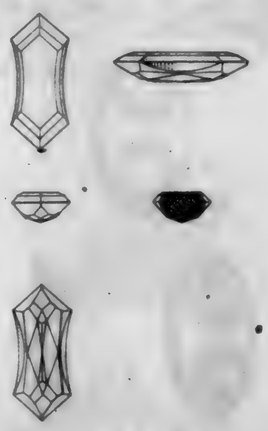
The ornamental design for a combined radiocabinet and loud speaker, as shown.

67,381. GEM. JOSEPH J. WHITE, Cranston, R. I., assignor to J. J. White Manufacturing Company, Providence, R. I. Filed Mar. 11, 1925. Serial No. 12,681. Term of patent 14 years.



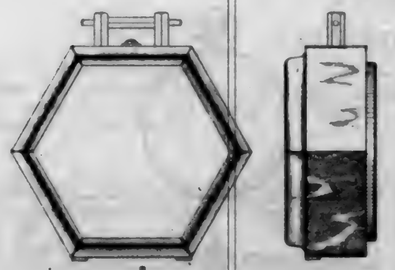
The ornamental design for a gem, as shown.

67,382. GEM. JOSEPH J. WHITE, Cranston, R. I., assignor to J. J. White Manufacturing Company, Providence, R. I. Filed Mar. 16, 1925. Serial No. 12,734. Term of patent 14 years.



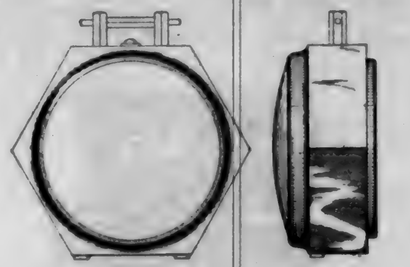
The ornamental design for a gem, as shown.

67,383. CLOCK CASE. RICHARD HENRY WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Sept. 26, 1923. Serial No. 7,328. Term of patent 14 years.



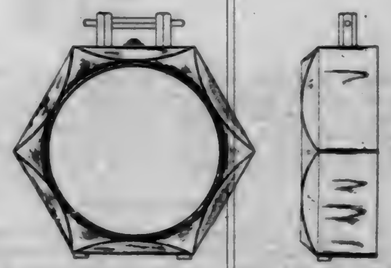
The ornamental design for a clock case as shown.

67,384. CLOCK CASE. RICHARD HENRY WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Sept. 26, 1923. Serial No. 7,329. Term of patent 14 years.



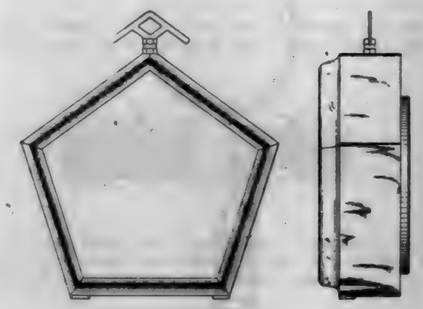
The ornamental design for a clock case as shown.

67,385. CLOCK CASE. RICHARD HENRY WHITEHEAD, New Haven, Conn., assignor of New Haven Clock Co., New Haven, Conn., a Corporation. Filed Sept. 26, 1923. Serial No. 7,330. Term of patent 14 years.



The ornamental design for a clock case as shown.

67,386. CLOCK CASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Sept. 29, 1923. Serial No. 7,361. Term of patent 14 years.



The ornamental design for a clock case as shown.

67,387. WATCHCASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Apr. 9, 1924. Serial No. 9,209. Term of patent 14 years.



The ornamental design for a watchcase as shown.

67,888. WATCHCASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Apr. 9, 1924. Serial No. 9,210. Term of patent 14 years.



The ornamental design for a watchcase as shown.

67,889. WATCHCASE. RICHARD H. WHITEHEAD, New Haven, Conn., assignor to New Haven Clock Co., New Haven, Conn., a Corporation. Filed Apr. 9, 1924. Serial No. 9,212. Term of patent 14 years.



The ornamental design for a watchcase as shown.

PATENTS

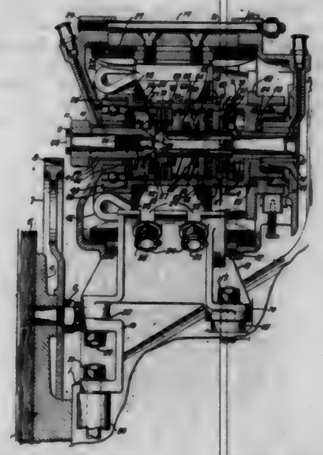
GRANTED MAY 19, 1925.

1,537,931. RAIL JOINT. CHARLES A. ALDEN, Steelton, Pa. Filed Jan. 26, 1923. Serial No. 615,170. 9 Claims. (Cl. 238—164.)



3. A splice plate for a rail joint having a strip welded to its inner surface adjacent the upper edge thereof, said strip having its upper surface adapted to bear against the under surface of a rail head, for the purpose set forth.

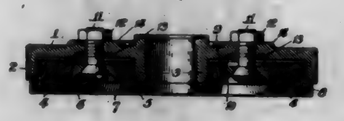
1,537,932. ENGINE-STARTING APPARATUS. JOSEPH BIJUR, New York, N. Y., assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y., a Corporation of New York. Filed Oct. 2, 1919, Serial No. 327,920. Renewed Oct. 2, 1924. 18 Claims. (Cl. 290—48.)



2. The combination, in an engine starter, of a shell having inclined guide means, a splined, slidable shaft passing through said shell coaxially therewith, a pinion on said shaft, shifting means for said pinion, comprising a member encircling said shaft and interfitting said guide means, and means transmitting torque to said pinion.

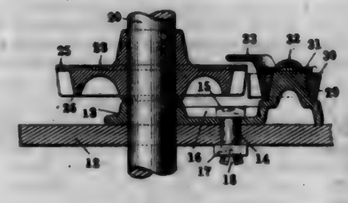
1,537,933. VALVE. JOHN J. BOMBARD, Chicago, Ill., assignor to The Hill Pump Valve Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1924. Serial No. 708,868. 2 Claims. (Cl. 251—160.)

1. In a valve, a pair of annular facing members, a plate having a groove for receiving and holding said facing members, a retaining ring adjustably mounted between said annular member for holding them in the



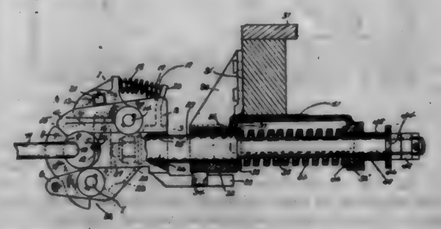
groove and permitting their removal therefrom, said plate being arched over the retaining ring to give a maximum of strength for the material used.

1,537,934. BRAKE MECHANISM. STERLING H. CAMPBELL, St. Louis, Mo., assignor to Western Railway Equipment Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 26, 1924. Serial No. 740,064. 5 Claims. (Cl. 74—118.)



1. In a device of the class described, the combination with a base plate, of a brake staff mounted therein, a ratchet wheel on said staff, a pawl bearing forming a part of the base plate and provided with an integral rivet, a pawl carried on said bearing and permanently secured in place by said rivet and a guard carried by said pawl and overlapping the wheel.

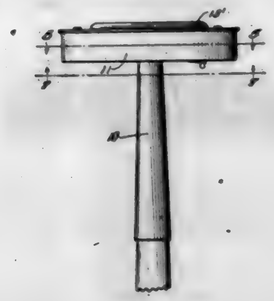
1,537,935. AUTOMATIC COUPLER FOR VEHICLES. JAMES HARRY CLARK, River Rouge, Mich. Filed Feb. 26, 1923. Serial No. 621,447. 13 Claims. (Cl. 280—33.16.)



1. The combination with a coupler of a draft connection for said coupler including a bracket for attachment to a vehicle, a drawbar slidably mounted in said bracket and connected to said coupler, yieldable means for re

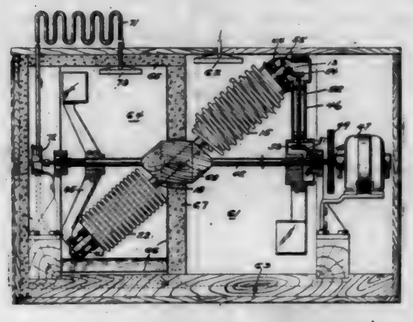
sisting either tension or compression on said drawbar, and annular means intermediate the ends of said drawbar and adapted to abut an outer edge of said bracket for limiting the sliding movement of said drawbar.

1,537,936. AUTOMATIC FISHING REEL. OSCAR DANIELS, Bowmanville, Ontario, Canada. Filed Feb. 5, 1924. Serial No. 690,763. 4 Claims. (Cl. 242—84.3.)



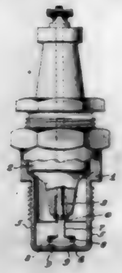
1. An automatic fishing reel of the class described, comprising in combination with a fishing rod, of a tapered tube adapted to be fitted upon the said rod, a rotatable reel mounted on said tube and adapted to have a fishing line wound thereon, a spring positioned within the reel and adapted to rotate the same, a casing enclosing the reel, and means for controlling movement of the reel.

1,537,937. REFRIGERATING APPARATUS. JAY GRANT DE REMER, Greenwich, Conn., assignor to Savage-De Remer Corporation, a Corporation of New York. Filed Feb. 23, 1921, Serial No. 447,265. Renewed July 23, 1924. 25 Claims. (Cl. 62—115.)



1. In a refrigerating apparatus, the combination with a tube adapted to be rotated about an axis at an angle to the axis of the tube, of a quantity of liquid in said tube adapted to exert pressure on the end of the tube remote from the axis of rotation during rotation of the tube about said axis of rotation, a second tube disposed within said first tube and opening in said liquid and passing from said first tube at a point closer to said axis of rotation than its open end and being formed into a helix externally of said first tube.

1,537,938. SPARK PLUG. FRANK DUMBOVICH, Detroit, Mich. Filed May 19, 1924. Serial No. 714,387. 5 Claims. (Cl. 123—169.)

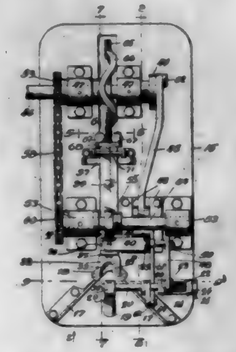


1. In a device of the class described, a firing member in the form of a plate, and a further firing member having downwardly projecting arms provided with lateral projections extending approximately parallel to said plate.

1,537,939. CASEIN WATERPROOF GLUE OR CEMENT. ANDREW A. DUNHAM, Bainbridge, N. Y., assignor to Casein Manufacturing Company, New York, N. Y., a Corporation of Vermont. Filed Mar. 26, 1923. Serial No. 627,738. 3 Claims. (Cl. 87—17.)

1. A waterproof casein glue containing casein, an alkaline earth hydroxid and animal glue in a condition readily soluble in cold water.

1,537,940. ROUND-CORNERING MACHINE FOR BOOK COVERS. FRITZ A. ERICSON, Chicago, Ill., assignor of one-half to Nellie C. Benson and Hjalmar Peterson. Filed Aug. 12, 1922. Serial No. 581,360. 20 Claims. (Cl. 11—2.)

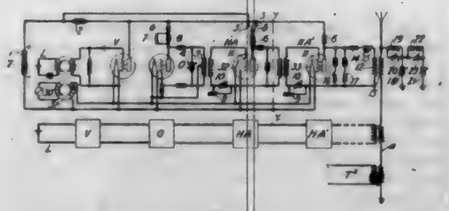


6. A round cornering machine comprising, in combination, an oscillatory shoe, spring pressed in one direction, a rock shaft supporting said shoe, a reciprocatory plaiting finger, finger reciprocating mechanism, an arm secured upon said rock shaft, a link secured upon said finger actuating mechanism and having a lost motion connection with said arm, a stop device for limiting the movement of said shoe in one direction, a shouldered member secured upon said rock shaft, a hook arranged to engage with said shouldered member for holding the shoe in raised position, said hook having a cam face, and a cam engaging member connected with said finger actuating mechanism, for releasing said hook from said shouldered member.

12. A round cornering machine comprising, in combination, a reciprocatory and oscillatory plaiting finger,

a slide block connected thereto, a main drive shaft, a crank on said main drive shaft, a link connecting said crank with said slide block, and operative connections between said slide block and finger for oscillating the same.

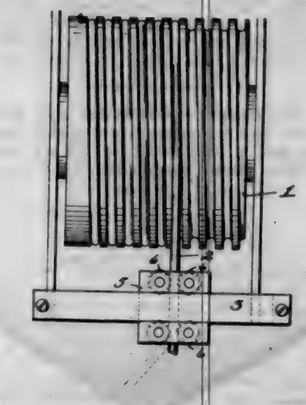
1,537,941. WAVE TRANSMISSION. RAYMOND A. HEISING, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 17, 1920. Serial No. 404,258. 24 Claims. (Cl. 179—171.)



1. A system comprising a plurality of vacuum tubes having filaments and input circuits, a source of alternating current for heating the filaments and connections whereby the action of said source upon the input circuit of one tube is compensated for by the action thereof upon another tube.

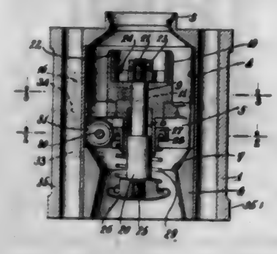
16. In combination two space discharge devices having filamentary cathodes, a current source for heating said cathodes, said cathodes being connected in series with said source, plate and grid circuits for said devices terminating at a point between the two cathodes.

1,537,942. ROPE GUIDE. FRANK H. HOWARD, Reading, Pa., assignor to Reading Chain and Block Corporation, Reading, Pa., a Corporation of Pennsylvania. Filed Feb. 14, 1925. Serial No. 9,101. 1 Claim. (Cl. 242—157.)



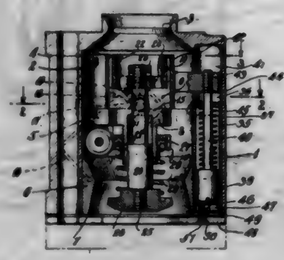
In a rope guide for hoists, a frame having an elongated slot therein, a cross-head slidably mounted upon said frame, two pairs of rollers carried by the cross-head between which the rope passes, and a winding drum upon which the rope is wound, said cross-head being capable of longitudinal movement on the frame through the action of the cable passing through it and being tiltable thereon, whereby a binding action is effected between the cross-head and the frame when the rope leads off at an oblique angle.

1,537,943. GOVERNOR FOR INTERNAL-COMBUSTION MOTORS. RAYMOND HUFFORD, New York, N. Y., assignor to K. P. Products Company, Inc., New York, N. Y., a Corporation of New York. Filed June 18, 1923. Serial No. 646,036. 4 Claims. (Cl. 137—152.)



1. A governor for internal combustion motors comprising in combination a passageway through which explosive mixture may pass to a motor, a discharge outlet of lesser diameter than said passageway a cylinder mounted in said passageway around but not through which the explosive mixture may pass, a valve mounted in said cylinder and automatic means positioned upstream from said valve, for moving said valve toward said discharge outlet.

1,537,944. GOVERNOR FOR INTERNAL-COMBUSTION MOTORS. RAYMOND HUFFORD, New York, N. Y., assignor to K. P. Products Company, Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1923. Serial No. 658,832. 21 Claims. (Cl. 137—152.)

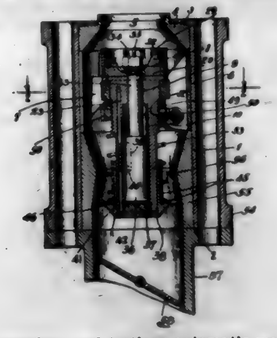


21. A governor for internal combustion motors comprising in combination a body, a passage in said body through which mixture may pass to a motor and primary, secondary and tertiary automatic means for restricting the flow of mixture through such passage.

1,537,945. GOVERNOR FOR INTERNAL-COMBUSTION MOTORS. RAYMOND HUFFORD, New York, N. Y., assignor to K. P. Products Company, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 11, 1924. Serial No. 705,732. 8 Claims. (Cl. 137—152.)

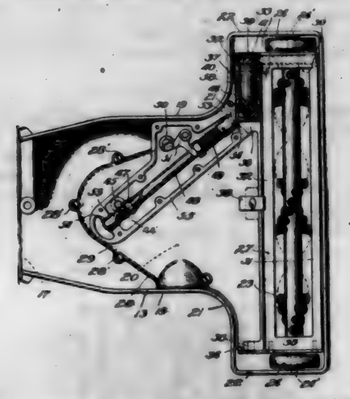
1. A governor for internal combustion motors comprising in combination a body, a passage in said body

through which the combustible mixture may pass to a motor, a valve adapted to reduce the effective area of such passage as it is moved toward its closed position,



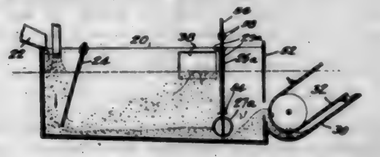
primary, secondary and tertiary automatic means adapted to cause a movement of such valve toward its closed position.

1,537,946. VACUUM CLEANER. JOHN T. HUME, Chicago, Ill., assignor to Hurley Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 19, 1921. Serial No. 523,414. 8 Claims. (Cl. 15—8.)



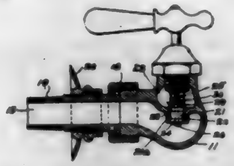
5. In a vacuum cleaner a frame structure providing a brush receptive nozzle, and an air passage leading thereto and having a bottom plate, a sub-frame pivoted to said bottom plate for movement within the nozzle structure free from the weight of the latter, and a brush carried by said sub-frame.

1,537,947. SEPARATOR FOR COAL AND ORE. EFFINGHAM P. HUMPHREY, Upper Lehigh, Pa. Filed Feb. 26, 1924. Serial No. 695,240. 4 Claims. (Cl. 83—58.)



1. In a hydraulic jig separator of the class described, a combined barrier and float consisting of a vertically movable plate having a buoyant member secured to its lower extremity, said member defining one side of the port or opening through which one of the materials is discharged.

1,537,948. VALVE. JACOB S. KATZIN, Newark, N. J., assignor of one-half to Gizella Kleinman, Brooklyn, N. Y. Filed Jan. 10, 1925. Serial No. 1,663. 2 Claims. (Cl. 251—162.)

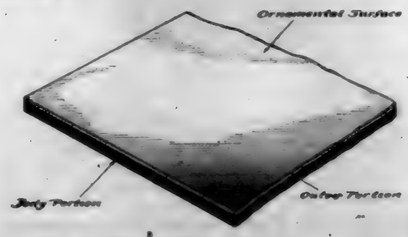


1. In a valve mechanism, the combination with a valve stem and a stem rotatably mounted therein, of a valve of frusto-conical form rotatably mounted upon said stem, and a seat of similar formation to receive said valve when the same is projected thereinto and to control the passage of fluid between the tapered side of the valve and the tapered sides of the seat, said valve having a central bore co-axial with said seat and extending through the valve to permit the same to be rotatably mounted upon said stem, a frusto-conical seat being provided between said valve and said stem and surrounding the axis of said bore to prevent the passage of fluid therethrough, said seat being made effective by the abutment between the valve and the first mentioned seat to stop the flow of a fluid, said valve being provided with a pair of ring portions of frusto-conical form, the elements of the different ring portions being substantially parallel to the elements of said seat, said ring portions having co-operation with said seat to control the flow of fluid, said ring portions being located wholly at the ends of said valve to secure a proper balance and ease of alinement of said valve.

1,537,949. WATERPROOF PRODUCT. LESTER KIRSCHBRAUN, Evanston, Ill. Original application filed Feb. 1, 1919, Serial No. 274,498. Divided and this application filed Feb. 19, 1921. Serial No. 446,489. 1 Claim. (Cl. 92—21.)

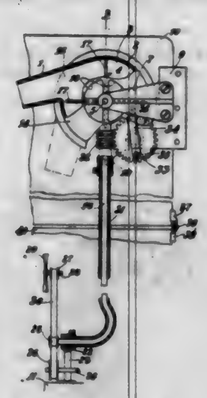
A waterproof sheet consisting of a solid bitumen containing its native non-bituminous matter, flux intimately mixed therewith to form a homogeneous mixture, an emulsifying agent and fiber mixed with the bitumen, the whole being formed into a sheet and having the characteristics of having been formed on a paper machine.

1,537,950. WATERPROOF COVERING AND PROCESS OF MAKING SAME. LESTER KIRSCHBRAUN, Evanston, Ill. Filed Feb. 1, 1919, Serial No. 274,496. Renewed Oct. 28, 1921. Serial No. 511,099. 10 Claims. (Cl. 92—42.)



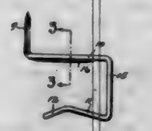
1. A process of making an ornamental waterproof covering, consisting in forming a mixture of fibre and a bituminous emulsified matrix into a sheet, simultaneously forming sized paper stock into an outer ply portion, bringing together the plies drying out the water and allowing the bitumen to intimately unite with the fibre, and the plies to intimately unite together, and then painting an ornamentation on the outer ply.

1,537,951. MECHANISM FOR CLEANING WINDSHIELDS FOR AUTOMOBILES OR SIMILAR DEVICES. LOUIS L. KOBACH, Chicago, Ill. Filed Feb. 17, 1921. Serial No. 445,818. 11 Claims. (Cl. 20—405.)



1. In a device of the class described, the combination with the wind shield of a motor vehicle and a nozzle supported in movable relation to the wind shield and in position to discharge a current of air against and at an angle with respect to the surface of the wind shield, of means for forcing a current of air through the nozzle and against the surface of the wind shield, and means for automatically moving the mouth of the nozzle with respect to the wind shield.

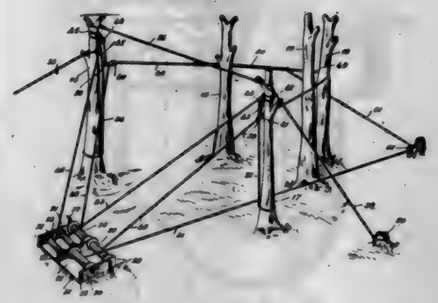
1,537,952. SHINGLE LOCK CLIP. BERNIE CHARLES KRIDLER and JAMES C. BOYLE, Flint, Mich., assignors to The Shingle Lock Company, Flint, Mich., a Corporation of Michigan. Filed Sept. 25, 1922. Serial No. 590,261. 4 claims. (Cl. 108—33.)



1. A shingle lock clip comprising a shank adapted to lie over a roof member, an upstanding end portion on said shank adapted for piercing a shingle and being bent thereover for holding same, a depending end portion on said shank and bent upon itself to form a resilient loop for engagement under a roof member, and a roof member engaging enlargement formed on said shank for preventing lateral twisting thereof on the roof member.

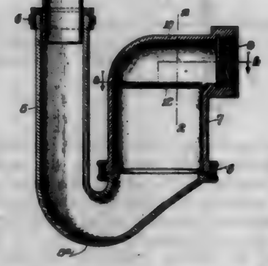
1,537,953. CABLE SAW FOR TREES. PETAR JOHN LUCICH, New York, N. Y. Filed Nov. 30, 1923. Serial No. 677,633. 2 Claims. (Cl. 144—34.)

1. In a cutting apparatus, harnesses engageable with supports and each including a vertical guide member secured at opposite ends to its support, a pulley block movable longitudinally of each guide member, flexible elements connected to said pulley blocks for raising and lowering the same along said guide members, other flexible elements passing around said pulley blocks, a flexible cutter connecting adjacent ends of said other



flexible elements and capable of engagement with an object to be cut, and means for actuating said other flexible elements to reciprocate said cutter.

1,537,954. RESEALING TRAP. HENRY J. LUFF, Cleveland, Ohio, assignor, by mesne assignments, to Mary A. Luff, Cleveland, Ohio. Filed June 9, 1922. Serial No. 567,181. 6 Claims. (Cl. 182—7.)

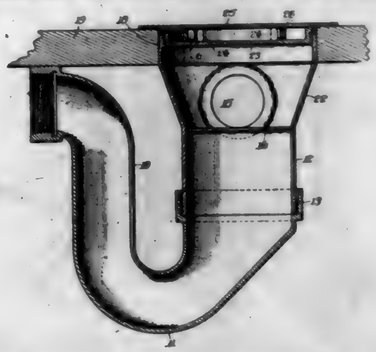


1. A resealing trap for the discharge lines of plumbing fixtures having a discharge leg of greater diameter than the discharge opening, and flat baffle plates disposed transversely of said discharge leg in the same horizontal plane and forming between them an opening of substantially the area of said discharge opening.

1,537,955. RESEALING TRAP. HENRY J. LUFF, Cleveland, Ohio, assignor, by mesne assignments, to Mary A. Luff, Cleveland, Ohio. Filed June 9, 1922. Serial No. 567,182. 3 Claims. (Cl. 182—7.)

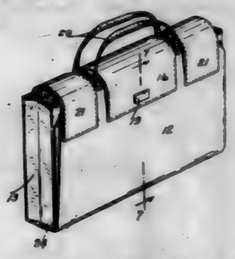
1. An under-floor resealing trap for the discharge lines of plumbing fixtures having a discharge leg of greater diameter than the inflow leg and comprising coaxial lower and upper vertical portions of lesser and greater cross-sectional areas at their upper ends respectively, said upper portion being open throughout the entire area of its upper end to form a hand-hole and having a lateral discharge opening, a pair of oppositely disposed horizontal segmental baffle plates located trans-

versely of the upper end of said lower vertical portion of the discharge leg and forming between them a central substantially rectangular flow passage having approxi-



mately the area of said discharge opening, and a removable plug closing the open upper end of said discharge leg.

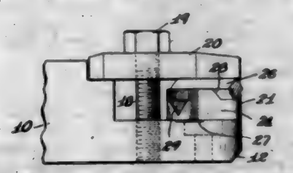
1,537,956. COMBINED FOLDING BAG, BRIEF CASE, AND PURSE. JOHN E. MCNALLY, Minneapolis, Minn., assignor, by mesne assignments, to George S. Meyers, Cleveland, Ohio. Filed Jan. 9, 1922. Serial No. 528,113. 5 Claims. (Cl. 150—1.)



1. A bag having an outer pocket, a single piece of material intermediately secured to the outside of the bag above said pocket to afford two flaps, one of said flaps being arranged to close said pocket, and the other of said flaps being arranged to be folded over the open top of the bag, and separable fasteners for securing the free ends of the flaps in respect to the bag on opposite sides thereof.

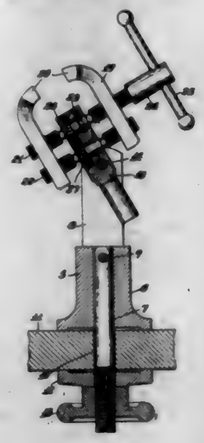
4. A bag, bellows connecting the front and back of the bag at the longitudinal edges thereof, the sides of the bag being adapted to be transversely folded toward each other into overlapping arrangement to afford a false bottom, and longitudinally spaced separable fasteners on the bellows for securing the bag thus folded.

1,537,957. TOOL HOLDER. WILLIAM F. MARSHALL, New York, N. Y. Filed Sept. 26, 1923. Serial No. 664,891. 7 Claims. (Cl. 29—98.)



5. A device of the class described comprising a body portion provided with a suitable shank, a member rotatably adjustable in said body portion, said member being fashioned to receive and support a suitable tool, a clamp block, means for adjustably supporting said block in connection with said body portion, said means being in spaced relation with said member, and said clamp block cooperating with the body portion and a tool supported in said member, for retaining the tool and said member in predetermined position.

1,537,958. VISE. WILLIAM FRANKLIN MARSHALL, New York, N. Y. Filed Nov. 6, 1923. Serial No. 673,073. 10 Claims. (Cl. 81—34.)



10. A universally supported vise of the class described comprising a stock, means whereby said stock may be rotatably adjustable in connection with a suitable support, the upper end portion of said stock being U-shaped in form, a vise supporting member mounted and movable within the U-shaped end portion of said stock and capable of rotary adjustment through an arc greater than 180 degrees, means passed through said U-shaped stock portion and said member for coupling said parts together and for retaining said member in different positions of adjustment, two vise jaws movably mounted in connection with said member, and means on said member for moving both of said jaws into different positions relatively to each other.

1,537,959. TRUCK CAB. EDWIN C. MORINE, Detroit, Mich., assignor to Weatherproof Body Corporation, Corunna, Mich., a Corporation of Michigan. Filed Apr. 1, 1922. Serial No. 548,560. 2 Claims. (Cl. 296—44.)

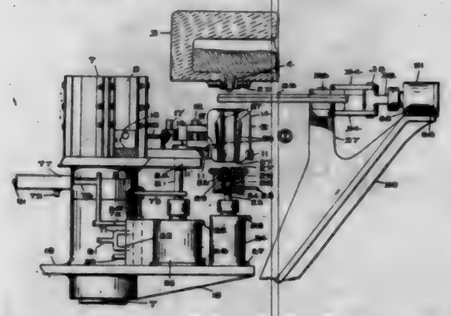


1. In a cab construction, a door frame having grooves in the opposed faces of the upright portions thereof from the top to the bottom of the door opening, a flexible door curtain slidable in said grooves, and a swinging door mounted in the lower part of the door opening.

1,537,960. HARDENING AND PRESERVING COMPOSITION FOR PAPER AND OTHER FABRICS AND METHOD OF MANUFACTURING SAME. WILLIAM B. OLIVER, Detroit, Mich., assignor of one-half to Lydia B. Koch, New York, N. Y. Filed Mar. 26, 1923. Serial No. 627,899. 5 Claims. (Cl. 134—16.)

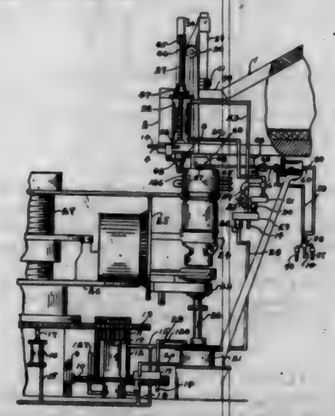
5. A composition as characterized comprising a solution of arrow root powder and water in proportion of four parts of water to one of arrow root, swelled gelatine, and a small quantity of evaporated milk.

1,537,961. GLASS-FEEDING APPARATUS. FRANK O'NEILL, Toledo, Ohio. Filed May 14, 1919. Serial No. 297,035. 4 Claims. (Cl. 49—5.)



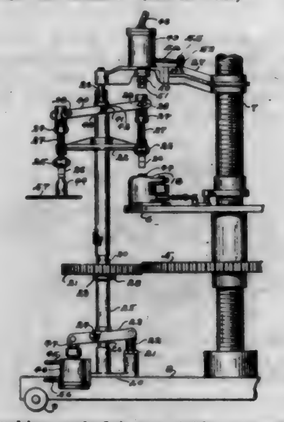
1. A glass tank having a pool of molten glass, said tank having a projecting portion into which the pool extends, said portion being provided with a bottom outlet, relatively movable sectional suction means for withdrawing glass from the pool through the outlet, said means being movable laterally to a position adjacent said outlet, and then directly toward said outlet into sealing position at said outlet and then downward, and a shear operable relatively to the means for severing the molten glass from said means.

1,537,962. PLUNGER GATHERING OF GLASS. FRANK O'NEILL, Toledo, Ohio, assignor to The O'Neill Engineering Company, Toledo, Ohio, a Corporation of Ohio. Filed June 24, 1921. Serial No. 480,198. 5 Claims. (Cl. 49—55.)



2. A glass feeder plunger drive embodying a rock shaft having two pinions, a piston and cylinder actuator for one of the pinions, and a plunger stem driven from the other pinion.

1,537,963. TAKE-OFF MECHANISM. FRANK O'NEILL, Toledo, Ohio. Filed Oct. 17, 1921. Serial No. 508,320½. 15 Claims. (Cl. 49—14.)



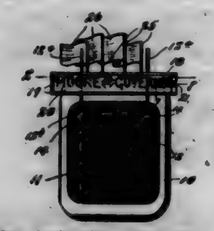
1. A machine embodying a table, a sectional mold carried by the table, an intermittent drive for rotating the table to a position of rest for the mold, mold opening means, a take-off embodying ware gripping means, a first gear rotatable with the table, a second gear in mesh with the first gear drive for bringing the gripping means to said mold position of rest, actuator mechanism for lowering the gripping means toward the opening mold, additional means coacting to effect gripping of the ware by the gripping means, and control means for reversing the actuator mechanism to lift the gripped ware, said connections coacting to shift the gripping means and ware held thereby away from said additional means.

1,537,964. HAIRPIN. KARL FREDRIK WILHELM PETTERSSON, Edsbyn, Sweden. Filed June 18, 1923. Serial No. 645,068. 5 Claims. (Cl. 132—51.)



1. A hair-pin having at least one of its two legs bent back inwards between the legs and forming a resilient abutment approximately parallel to and cooperating with the other leg.

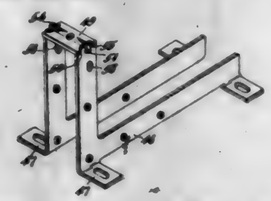
1,537,965. DISPLAY DEVICE FOR AUTOMOBILES. JACOB RANZ, St. Louis, Mo. Filed Apr. 5, 1924. Serial No. 704,500. 11 Claims. (Cl. 40—129.)



3. In a display device for automobiles, a support having parallel extensions, a display sign holder, a bar secured to and disposed rearwardly of said holder and

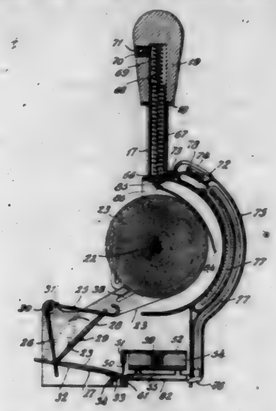
provided with seats for engaging said extensions, and screws in said bar for holding said extensions to their seats.

1,537,966. ELECTRIC BELL. LOUIS E. RICHMOND, Cleveland, Ohio, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio, a Corporation of Ohio. Filed May 8, 1919. Serial No. 295,688. 3 Claims. (Cl. 175—21.)



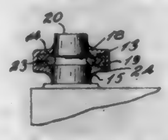
1. A magnet core frame, comprising parallel side members, a cross bridge member connecting the same, and interlocking projections connecting said members.

1,537,967. STAMP-AFFIXING DEVICE. GRANVILLE S. RIDER, New York, N. Y. Filed Mar. 1, 1923. Serial No. 622,020. 20 Claims. (Cl. 216—25.)



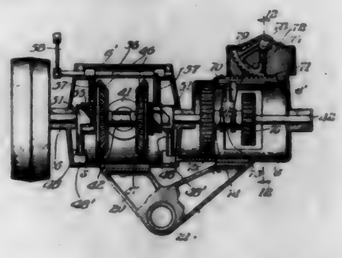
1. A feeding device adapted to engage and feed a perforated stamp strip comprising a rotatable plate, a plurality of plates arranged on opposite sides of the axis of said rotatable plate, and means to resiliently urge said plurality of plates into the path of movement of said rotatable plate whereby said plurality of plates will engage the ends of said rotatable plate with a yielding frictional contact.

1,537,968. BATTERY CONNECTER. HENRY M. SCHNABEL, Greenwich, Conn. Filed Feb. 21, 1921. Serial No. 446,819. 2 Claims. (Cl. 173—259.)



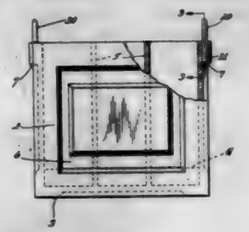
2. In a device of the character described, an annular member having a groove in the inner wall thereof, the inner edges of said annular member being of reduced thickness and a screw-threaded member projecting from said annular member, both said annular member and said projection being split by a single continuous slit and said screw-threaded member being provided with a perforation communicating with said groove and a nut adapted to be received upon said projection and to crush the walls of said annular member against a battery post received therein, to partially seal the groove therein.

1,537,969. TRACTOR. HOWARD F. SNYDER, Newton, Iowa, assignor to The Maytag Company, Newton, Iowa, a Corporation of Iowa. Original application filed Mar. 20, 1916, Serial No. 85,516. Divided and this application filed Dec. 9, 1920. Serial No. 429,860. 12 Claims. (Cl. 74—58.)



1. In apparatus of the class described, a support having propelling wheels thereon, a prime mover having a drive shaft, a transverse shaft, a sleeve splined on said transverse shaft and having bevel gears at its ends, bearings for said transverse shaft, gears having cam surfaces thereon, cams having co-operating cam surfaces revolubly mounted on said shaft and bearing against the ends of said bearings to longitudinally shift said sleeve, and manually operable means for rotating said cams.

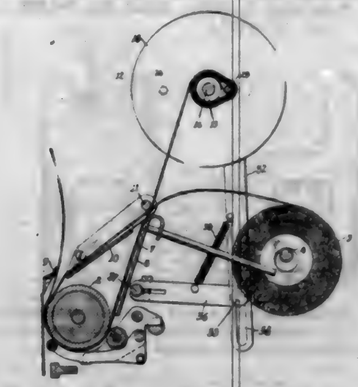
1,537,970. HANDLE FOR BATTERY BOXES. GEORGE C. STEBBINS, Ashtabula, Ohio. Filed Apr. 27, 1922. Serial No. 556,912. 1 Claim. (Cl. 16—125.)



A battery box having one of its walls provided with an outward projection along its upper portion, a handle having shank portions extending through said projection and exposed outside of the box beneath the same, said shank portions being provided with side recesses, and a soft metal bar bent to enable it to be introduced between said shank portions and permanently interlocked with the recesses thereof by straightening said bar.

1,537,971. ADDING AND LISTING MACHINE. OSCAR J. SUNDSTRAND, Rockford, Ill., assignor to Rockford Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Nov. 5, 1921. Serial No. 512,985. 9 Claims. (Cl. 242—55.)

8. An adding and listing machine having, in combination, means to support a supply roll, a platen for feeding tape from said roll, a reel for rewinding said tape, and means for rotating the reel, said rotating means comprising a disk carrying a stud, a pin on the reel ly-



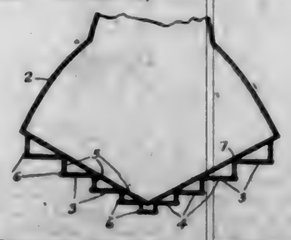
ing in the orbit of said stud, a ratchet wheel connected to said disk, and a ratchet member to turn the ratchet wheel.

1,537,972. DEMOUNTABLE RIM. FELIX TWOREK, Duncan, Nebr. Filed Dec. 11, 1923. Serial No. 679,875. 1 Claim. (Cl. 301—38.)



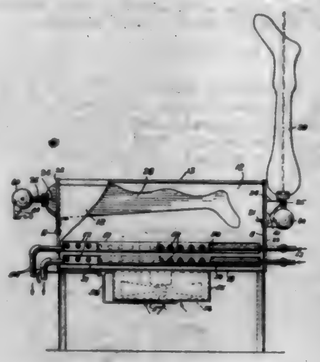
A rim having abutting ends adapted to form a joint, a lever hinged to said rim adjacent one end thereof to extend past the joint, a pair of blocks fixed in spaced relation on the other end of said rim, pivoted arms connecting said lever and blocks, said blocks acting to guide said lever, a central guide for the lever, and a spring clip normally holding said lever in close proximity with the rim.

1,537,973. FLYING-BOAT HULL. INGLIS M. UPPERCU, Deal Beach, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y., a Corporation of New York. Filed Nov. 16, 1921. Serial No. 515,485. 5 Claims. (Cl. 244—2.)



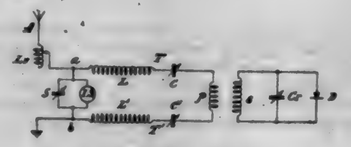
4. A flying-boat hull having a complete substantially deep-V bottom and flights of longitudinally extending applied steps on opposite sides of said complete bottom, said steps being formed of horizontal and vertical members, the edges of the horizontal members projecting beyond the vertical members.

1,537,974. HOSIERY-DRYING FORM. JULIUS OTTO VON STETTEN, Philadelphia, Pa. Filed Aug. 26, 1922. Serial No. 584,410. 6 Claims. (Cl. 34—40.)



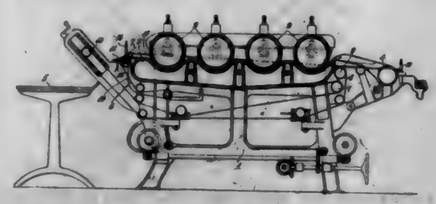
2. A drier having a drying chamber, a swinging form for an article to be dried, said form being supported to be swung into and out of the chamber, a closure for the chamber in line of movement of the form, means for moving the closure to its open or closed position, and means actuated by the movement of the form for moving said first mentioned means.

1,537,975. STRAY ELIMINATION IN RADIORECEIVERS. FREDERICK K. VREELAND, Montclair, N. J. Filed Aug. 6, 1919. Serial No. 315,651. 45 Claims. (Cl. 250—20.)



1. In a receiving system for radiant energy, an electromotive element, a baffle element tuned to the signal frequency, by-pass means including a reactance and an intensity selector cooperating to divert preferentially stray energy from the receiving system and a receiver associated with the baffle element, substantially as set forth.

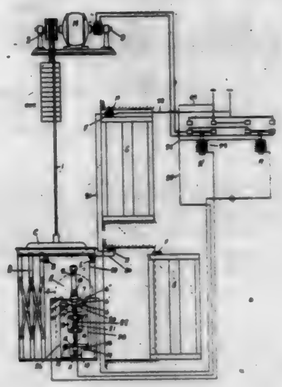
1,537,976. IRONING MACHINE. CHARLES E. WARREAM, Cincinnati, Ohio, assignor to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 28, 1921. Serial No. 524,413. 3 Claims. (Cl. 68—0.)



1. In an ironing machine, the combination of means for performing a plurality of successive ironing operations upon given materials, said machine being adapted to receive the materials at one point and to discharge

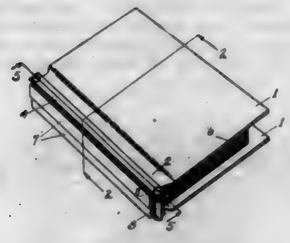
the same at another point, of means for selectively causing the materials to be discharged at said discharge point after the first ironing operation or to be subjected to further ironing and then discharged at said point of discharge, said means being operable from both the receiving and discharge points of said machine.

1,537,977. SEQUENCE SAFETY SWITCH FOR ELEVATORS. HAROLD WATERS, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 1, 1922. Serial No. 585,618. 4 Claims. (Cl. 187—31.)



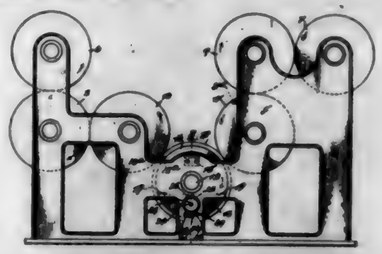
3. In the art of safety operation of electric elevators having a car operating switch, means to prevent, should the operating power fail during the running of the elevator, continuing the operation of the elevator if the power is again turned on unless the car operating switch is first restored to its neutral or off position.

1,537,978. TEMPORARY BINDER OR LOOSE-SHEET HOLDER. GEORGE P. WIGGINTON, Kalamazoo, Mich., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Filed June 10, 1921. Serial No. 476,416. 6 Claims. (Cl. 129—8.)



4. In a loose leaf binder, the combination of independent cover members, back members independent of said cover members, detachable post bars provided with sheet-engaging posts with which said cover members and back members are also adapted to engage, and means for connecting said post bars.

1,537,979. PRINTING PRESS. CHARLES J. WRIGHT, Cleveland, Ohio, assignor to The Harris Automatic Press Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 7, 1921. Serial No. 506,138. 24 Claims. (Cl. 101—177.)



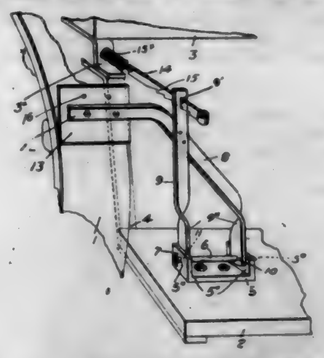
1. In a printing-press, a pair of sheet-carrying members, and an interposed coacting sheet-carrying member laterally shiftable on its transverse support.

1,537,980. DRAG SAW. LOUIS A. G. ASSELIN, Prince Albert, Saskatchewan, Canada. Filed June 9, 1922. Serial No. 567,216. 1 Claim. (Cl. 143—68.)



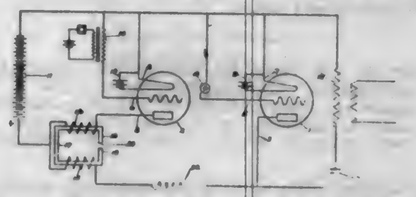
A saw of the class described comprising a guiding frame of tapered shape in cross section having a guiding groove in its wide edge and having a wide outer part having an opening therein, the upper part of which forms a continuation of the groove, a saw also of tapered shape in cross section having its upper edge fitting in said guiding groove and an end extension engaging the opening and means for reciprocating the saw in the frame.

1,537,981. IMPLEMENT-WHEEL SCRAPER. LARS GUSTAF BERGQUIST, Shaunavon, Canada. Filed Aug. 27, 1924. Serial No. 734,550. 2 Claims. (Cl. 280—158.)



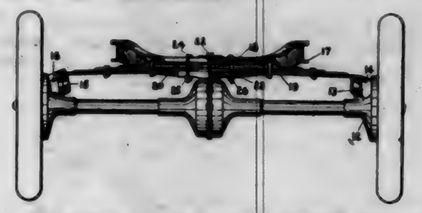
1. In a scraper for agricultural implements, the combination with the running board and a wheel of the implement, of a bracket pivotally mounted upon the running board and having a laterally extending arm, a plate secured to the arm and adapted to contact at its lower edge with the periphery of the implement wheel, a bar provided with a toothed edge adapted to engage the swinging bracket and a tension spring connected to the inner end of the bar at one end and to the stationary portion of the implement at the opposite end.

1,537,982. MODULATOR. ROBERT C. BOHANNAN, Columbus, Ohio. Filed Feb. 23, 1924. Serial No. 694,541. 14 Claims. (Cl. 179—171.)



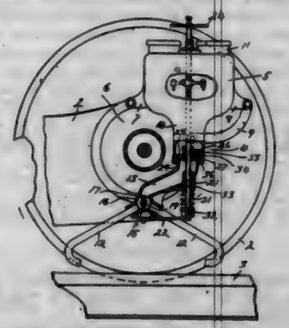
1. In an apparatus of the class described, the combination with two vacuum tubes of the three electrode type having their plate-filament circuits connected in parallel across a source of constant potential current supply, of means in the grid-filament circuit of one of said tubes to cause potential variations of relatively low frequency, means in the grid-filament circuit of the other tube to produce electric oscillations of relatively high frequency, and an electromagnet connected between the plate of each tube and the source of current supply said magnets being connected and arranged to induce opposed magnetic fields as and for the purpose set forth.

1,537,983. SPRING SUSPENSION FOR VEHICLES. CHESTER H. BRASELTON, New York, N. Y., assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 30, 1920. Serial No. 434,031. 12 Claims. (Cl. 267—41.)



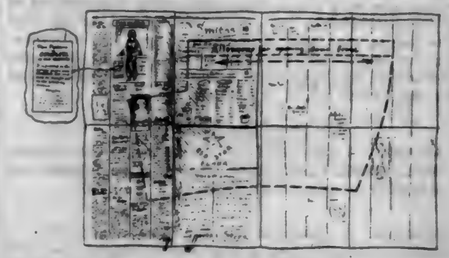
1. In a vehicle, a frame, an axle arranged below said frame at an appreciable distance inwardly from one end thereof, a pair of cantilever springs having their small ends mounted upon said axle, the large or butt ends of the springs being overlapped and attached to the end of the frame in such manner as to make substantially the entire length of the springs effective.

1,537,984. SAND-DELIVERY MECHANISM FOR TRACTOR-LOCOMOTIVE ATTACHMENTS. JAMES H. CLARK, Detroit, Mich. Filed Sept. 24, 1923. Serial No. 664,571. 17 Claims. (Cl. 291—5.)



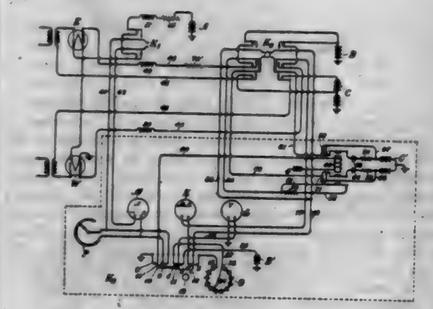
1. The combination with a vehicle, of a sander attachment therefor including a hopper for the sand straddling a portion of the vehicle and constituting a seat for the driver of the vehicle.

1,537,985. PATTERN AND METHOD OF PUBLICATION. HARRY COLLINS, New York, N. Y., assignor to Hattie Collins, New York, N. Y. Filed Apr. 17, 1923. Serial No. 632,709. 2 Claims. (Cl. 41—20.)



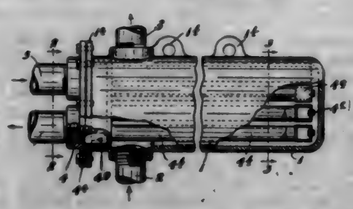
1. A newspaper having on the same page normally visible printed matter and a normally invisible pattern or design for wearing apparel adapted to be rendered visible by treatment of the paper with appropriate chemical reagents, substantially as set forth.

1,537,986. TELEPHONE REPEATER EQUIPMENT. GEORGE CRISSON, Hackensack, and SAMUEL P. SHACKLETON, Wyoming, N. J., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Mar. 18, 1921. Serial No. 453,812. 4 Claims. (Cl. 179—171.)



1. In combination, an electron tube, a plate circuit, filament circuit and a grid circuit associated therewith, means for adjusting the current in the filament circuit, means for adjusting the voltage in the plate circuit, means for adjusting the voltage in the grid circuit, and a device for simultaneously connecting said adjusting means into said circuits.

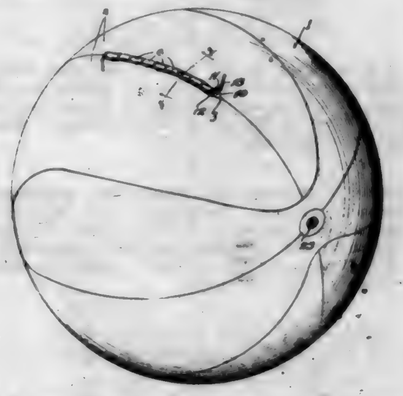
1,537,987. WATER HEATER. VIRGIL F. DECKERT, Minneapolis, Minn. Filed Aug. 1, 1921. Serial No. 488,845. 11 Claims. (Cl. 257—239.)



2. A water heater comprising an outer shell open at one end, an inner core member formed of a multiplicity of U-shaped tubes secured in water-tight relation with said shell at the open end, and extending therein con-

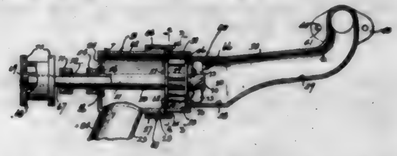
stituting a plurality of closed circuit units, one of said units being constructed to form a partition and engaging grooves formed in the sides of said shell and dividing it into two chambers, a pair of chambers at the other end of the core, each chamber communicating with one end of all of said tubes, a pipe for introducing a heating fluid into one of said pair of chambers, a pipe for withdrawing said fluid from the other of said pair of chambers, and means for circulating a fluid to be heated within the shell about all of said tubes.

1,537,988. GAME BALL. CHARLES E. DILLINGER, Santa Maria, Calif. Filed June 15, 1923. Serial No. 645,653. 3 Claims. (Cl. 273—64.)



2. In an inflatable game ball, a casing having a mouth provided at its opposite sides with a series of recesses defining tongue portions which are united to the inner side of the wall of the casing to provide loops, bearing sleeves housed within the loops and covered thereby, the loops and bearing sleeves at the opposite sides of the mouth being arranged in staggered relation whereby the bores of the sleeves will assume an alined relation when the mouth is closed, an eyelet at each side of the mouth and arranged near the adjacent loops, and a locking member fitting through the bearing sleeves and the adjacent eyelets.

1,537,989. COOLING SYSTEM FOR ENGINES. CHARLES A. DU POY, Omak, Wash. Filed Nov. 15, 1922. Serial No. 601,130. 1 Claim. (Cl. 123—175.)



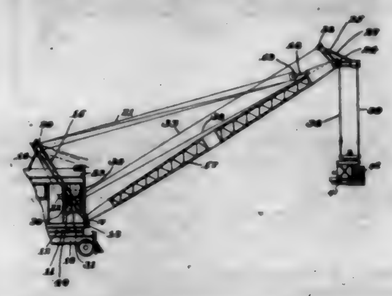
In a cooling system for engines the combination of a housing, a member secured in the housing to subdivide the same into a liquid chamber on one side thereof and a mixing chamber on the other side thereof, said member comprising a pair of spaced walls and tubes extending between the walls providing passageways which communicate the liquid chamber with the mixing chamber, the spaced walls of said member and said housing providing between said walls an air chamber, the wall of said member adjacent the mixing chamber having perforations therein which communicate the air chamber with the mixing chamber, liquid inlet means for the liquid chamber, air inlet means for the air chamber, and churning means in the mixing chamber adapted upon operation to draw air from the air chamber through the perforations in the wall adjacent said mixing chamber and to draw liquid from the liquid chamber through the passageways of the tubes of said member.

1,537,990. METHOD OF IMPROVING BROADCAST RECEPTION. LLOYD ESPENSCHIED, Hollis, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 11, 1924. Serial No. 705,950. 9 Claims. (Cl. 250—2.)



1. The method of reducing the effect of "fading" upon radio receiving sets in a local area when signals are radiated from a distant point, which consists in producing at some point in the local area a carrier wave of the same frequency as the carrier wave employed at the distant signaling station, and radiating said wave to the receiving sets in the local area.

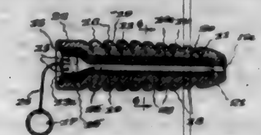
1,537,991. CRANE. CLAUD E. FULLER, New York, N. Y., assignor to American Equipment Company, Chicago, Ill., a Corporation of Ohio. Filed Jan. 4, 1922. Serial No. 526,904. 1 Claim. (Cl. 214—6.)



Hoisting apparatus of the kind described, comprising, in combination, a base, a mast mounted on, and in fixed relation thereto, a boom pivotally mounted on the base at the foot of the mast, a frame including two bell crank levers arranged parallel to, and spaced apart from, each other, pivotally mounted on the free end of the boom at the apex of the bell crank levers, means arranged at the ends of the pivotal mounting of the bell crank levers and at the ends of one of the arms of said levers, and constituting a four-point suspension for a work support, and means extending from the free ends of the other arms of the bell crank levers to the mast for maintaining the four-point suspension means in planes bearing a constant relation to a horizontal plane.

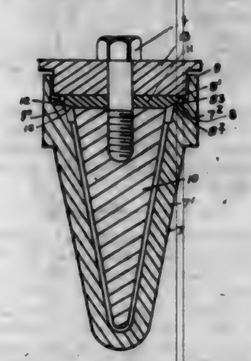
1,537,992. MEDICATOR. EDWARD GEARON, Chicago, Ill. Filed Feb. 16, 1923. Serial No. 619,525. 10 Claims. (128—271.)

3. The combination with a medicator comprising a resilient body portion; of a means for compressing said body portion for reducing the diametric dimensions thereof, said means comprising a normally hard and soluble suppository having a longitudinal concavity extending therethrough, threads molded upon the outer surface of the medicator body portion, and said con-



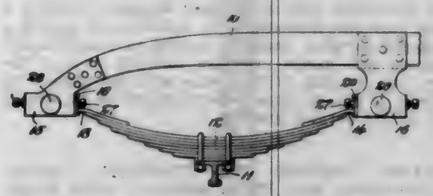
cavity of said suppository being internally threaded to receive the threads of said body portion to permit screwing of the medicator in the suppository.

1,537,993. TRIMMING DEVICE FOR ICE-CREAM-CONE-MAKING MACHINES. LEWIS LEWISON, Hamilton, Ontario, Canada, assignor to The Cone Company of America, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,948. 4 Claims. (Cl. 107—58.)



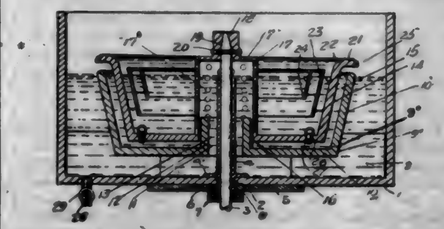
1. A trimming device for ice cream cone making machines comprising a mold formed with a lower interior recess at the upper end of the conical portion terminating in a sharp corner, and a core provided with a flaring upper end bevelled at its lower side and designed to rest intermediate of its width upon the sharp corner to form a severing means.

1,537,994. SPRING DEVICE. LEONARD M. MCGEORGE, Richmond, Va. Filed Apr. 16, 1924. Serial No. 706,972. 4 Claims. (Cl. 267—20.)



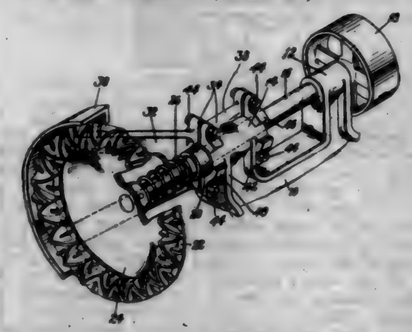
1. The combination with the frame and axle of a vehicle and a leaf spring supporting the frame from said axle; of a housing secured to the frame, and provided with grooves, an end extension on said leaf spring extending into said housing and slidably engaged at its edges within said grooves, and means within said housing cooperating with said end extension to check rebound movements of said leaf spring.

1,537,995. CENTRIFUGAL WASHING MACHINE. ALLAN FRASER MCNAUGHTON, Toronto, Ontario, Canada. Filed May 1, 1924. Serial No. 710,363. 5 Claims. (Cl. 68—18.)



1. In a centrifugal washing machine, the combination with an outer container and a central shaft journalled in the bottom of the container and extending upward thereinto, of an inner stationary container supported within the outer container in a spaced apart position from the walls and bottom of the outer container and having a central orifice in the bottom thereof provided with a surrounding annular flange, a revolving container forming a clothes receptacle and supported within the inner container in spaced apart relation thereto and having an imperforate outer wall and a central orifice into which the aforesaid annular flange extends, and a perforated cylindrical portion extending upward from round the central orifice of the revolving container and secured at its upper end to the operating shaft.

1,537,996. CHANNEL-FLAP-LAYING MACHINE. WILLIAM C. MEYER, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 14, 1922. Serial No. 606,909. 6 Claims. (Cl. 12—29.)

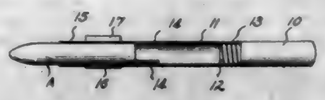


6. A reversible guard for a rotary tool journaled in a bearing having projecting portions symmetrically disposed with respect to the axis of the tool comprising a member shaped to protect one side of the tool while leaving the other side of the tool unobstructed, a clamp carried by said member and adapted to encircle the bearing, and positioning surfaces symmetrically arranged relatively to the axis of the clamp for co-operation with the projecting portions of the bearing to locate the tool protecting member in similar positions at opposite sides of the tool.

1,537,997. METHOD OF MAKING IRON AND STEEL. TAKEO MIYAGUCHI, Tokyo-fu, Japan. Filed Oct. 19, 1921. Serial No. 508,816. 7 Claims. (Cl. 75—45.)

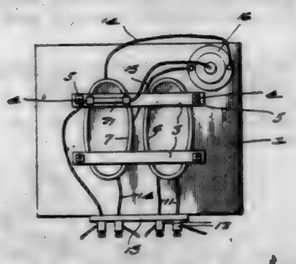
1. A method of manufacturing iron and steel having a low manganese content, from manganese containing ferrous materials, comprising, adding to the said ferrous materials, during the deoxidation stage, a boron containing material.

1,537,998. CRAYON HOLDER. CECELIA MOHR, Chamberlain, S. Dak. Filed Mar. 3, 1923. Serial No. 622,599. 1 Claim. (Cl. 120—13.)



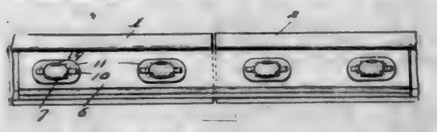
A device of the character described comprising an elongated cylindrical handle member formed with a reduced extension, an elongated cylindrical member detachably engaged upon said reduced extension, the handle and the shell being of the same diameter and having smooth peripheries, the shell being slit at a plurality of points throughout the major portion of its length, said slits extending through the end most remote from the handle, said slitted ends being adapted to have a crayon inserted therein, and a contracting sleeve slidably mounted upon the shell and movable toward the free end thereof for contracting the slitted end into clamping engagement upon the crayon, said sleeve being formed as a split metallic band having the ends out-turned to provide a finger hold.

1,537,999. BATTERY-CHARGING TRANSFORMER. ALBERT B. NELSEN, Beresford, S. Dak. Filed June 27, 1924. Serial No. 722,726. 1 Claim. (Cl. 175—356.)



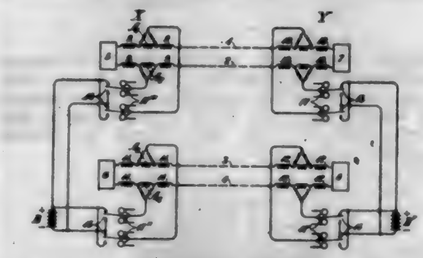
A transformer construction comprising a base, a pair of bar members secured on said base in spaced parallel relation, a pair of tubular stove pipe members mounted in vertical spaced relation on said bar members, a pair of cooperating bar members mounted in spaced relation on the upper ends of said tubular members, a plurality of rod members connecting the ends of the first mentioned pair of bar members with the corresponding ends of the second mentioned pair of bar members, a primary winding on one of the tubular members, a secondary winding on the other tubular member, a terminal panel mounted on the base, and connections between said primary and secondary windings and terminals on said panel.

1,538,000. RAIL JOINT. CARL EDUARD NEUBAUER, Lutsen, Minn. Filed Aug. 6, 1923. Serial No. 655,978. 3 Claims. (Cl. 238—250.)



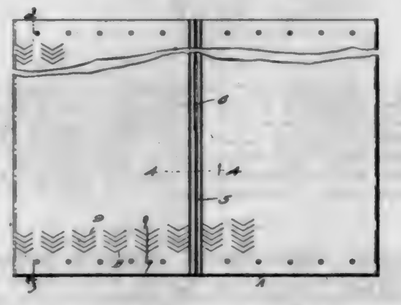
1. A rail fastening adapted to secure the confronting ends of adjacent rails, including cooperating fish plates, one of which is apertured, and fastening means carried by the other fish plate comprising a projecting member of non-round cross section having its major dimension lying in a direction longitudinally of the rail and provided with a transverse slot having a branch slot opening in the upper face of said member, a detent normally projecting through said branch slot into the transverse slot, said detent being resiliently supported by said member, and a wedge slidable in said slot and abutting clampably against the apertured fish plate when said member is passed through the rail and said apertured fish plate, said wedge being formed with a recess engageable by said detent.

1,538,001. CURRENT-MEASURING ARRANGEMENT. RALPH E. PIERCE, Larchmont, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed June 3, 1922. Serial No. 565,589. 3 Claims. (Cl. 178—63.)



1. A telegraph circuit including a pair of line wires, and a current measuring device comprising a movable indicating element controlled by differentially arranged windings, said windings being included in opposite sides of said telegraph circuit.

1,538,002. BUILDING MATERIAL. WILLIAM O. RHODES, Covington, Ky. Filed Mar. 5, 1924. Serial No. 697,117. 5 Claims. (Cl. 72—116.)



1. A building unit of the class described including a sheet body bent intermediate its ends so as to provide a V-shaped sectional formation having an intermediately disposed slot, flanges extending from the ends of the sheet and provided at their edges with the tongues receivable in slots of other similar units all in the manner and for the purpose specified.

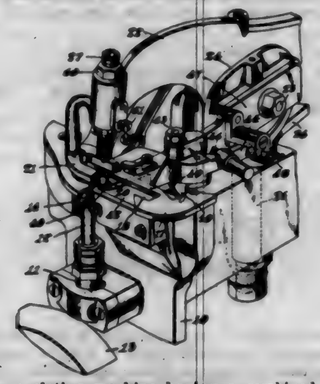
1,538,003. PROCESS FOR PURIFYING LIQUIDS. ELOI RICARD, Melle, France, assignor to Société Ricard, Allenet & Cie., Distilleries des Deux-Sevres, Melle, Deux-Sevres, France. Original application filed Dec. 24, 1921, Serial No. 524,763. Divided and this application filed May 26, 1924. Serial No. 716,066. 5 Claims. (Cl. 127—48.)

1. A process of purifying liquids of various kinds which consists in adding a water soluble alginate to the liquid, and means to precipitate an insoluble alginate so as to form a precipitate in the mass of the liquid.

1,538,004. PROCESS FOR PURIFYING LIQUIDS. ELOI RICARD, Melle, France, assignor to Société Ricard, Allenet & Cie., Distilleries des Deux-Sevres, Melle, Deux-Sevres, France. Original application filed Dec. 24, 1921, Serial No. 524,763. Divided and this application filed May 26, 1924. Serial No. 716,067. 5 Claims. (Cl. 127—48.)

5. A process for purifying saccharine juice which consists in adding a water soluble alginate to the mass to be purified, and adding barium formate thereby causing a double decomposition with the alginate in order to form a precipitate of an insoluble alginate in the mass to be purified.

1,538,005. MACHINE FOR AND METHOD OF SETTING BLIND AND INVISIBLE EYELETS. FRED A. RUMNEY, Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 21, 1921. Serial No. 471,847. 25 Claims. (Cl. 218—14.1.)



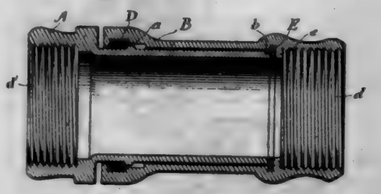
1. An eyeleting machine having a combined punching and setting tool comprising a tubular punching portion and a clenching shoulder formed and arranged to go through one layer of an article of multi-ply work so as to clench an eyelet between two of the layers, a solid punch block arranged to cooperate with the punching end of said tool, and means arranged to force the inner surface of said layer of the work past said clenching shoulder while said punching end and punch block are in cooperative relation.

1,538,006. FOUNTAIN PEN. EISABURO SAKABAI, Tokyo, Japan. Filed July 20, 1922. Serial No. 576,340. 6 Claims. (Cl. 120—46.)



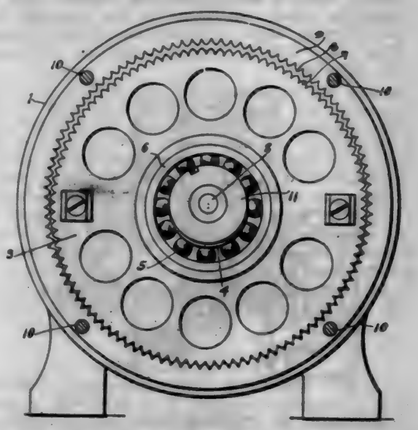
1. A fountain-pen comprising a pen section, a rubber tube or reservoir provided within a barrel and secured at one end to the rear end of the said pen section, a pressure bar provided in parallel with the said reservoir, a lever projectingly arranged at the middle portion of the said bar and a slide connected to the said lever, the said rubber reservoir being adapted to be collapsed by the said pressure bar in accordance with the sliding movement of the said slide; characterized by this that the lever being connected with the slide by means of a pair of fixing members secured at the top end to the slide and bent down on to the inner wall of the said barrel at the lower end so as to be adapted to support the slide and the barrel wall with the said two curved ends, in order to move the slide steadily along the barrel without any involuntary slipping.

1,538,007. VACUUM-HOSE COUPLING AND MENDER. JOHN C. SCHELLIN, Wooster, Ohio. Filed Nov. 23, 1923. Serial No. 676,642. 1 Claim. (Cl. 285—163.)



In a device of the character described, the combination of male and female members in telescopic relation, a pair of yieldable gaskets spaced apart from each other within the female member, and held from shifting laterally therein, and a circumferential rib around the male section, adapted to engage the inner side of one gasket when pressed therethru, and the extended inner end of the male member adapted to abut snugly against the adjacent side of the other gasket, when said members are coupled together.

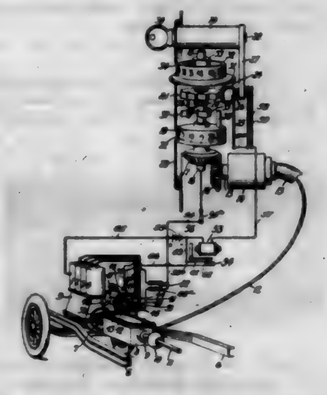
1,538,008. REDUCTION GEARING. WILLIAM E. SHARKEY, Middletown, Ohio. Original application filed Oct. 10, 1921, Serial No. 506,592. Divided and this application filed Apr. 18, 1923. Serial No. 632,834. 2 Claims. (Cl. 74—34.)



1. In a reduction gearing, the combination with a stationary gear having internal teeth, of a rotatable gear having exterior teeth, the depth of all of said teeth being substantially one half that of the width of the base, said teeth having their faces laid out on an arc described about a point on a plane passing through the

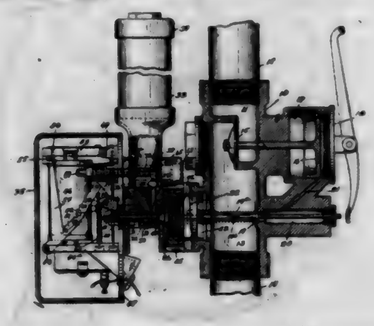
junction line between the teeth and a distance from the junction line of the teeth approximately one half the width of the base of the teeth and so arranged that the blunt nose of a tooth on one gear will lie in the space formed by the junction of two teeth on the other gear.

1,538,009. SPEED-CONTROLLING DEVICE FOR MOTOR VEHICLES. LELAND V. SLAIGHT, Cleveland Heights Village, Ohio. Filed May 1, 1920. Serial No. 378,134. 19 Claims. (Cl. 175—355.)
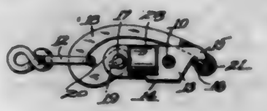


1. In a speed controlling device for motor vehicles, the combination with an operating electric circuit of the motor of said vehicle of a rotatable member provided with indicating means and adapted to be set to correspond with a predetermined speed of the vehicle, a yieldable member disposed adjacent said settable member and forming with the latter a pair of switch contacts controlling said electric circuit, and a speed responsive member having a movement proportional to the speed of the vehicle and adapted to effect relative movement of said switch contacts at the predetermined speed.

1,538,010. SIGNAL-DEVICE-OPERATING MECHANISM. HARRY S. SMITH, Needham Heights, Mass., assignor, by mesne assignments, to The Gamewell Company, Newton, Mass., a Corporation of Massachusetts. Filed Dec. 19, 1919. Serial No. 346,023. 33 Claims. (Cl. 137—139.)



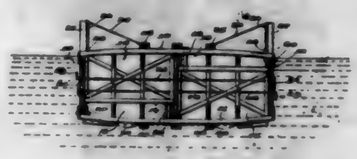
1. Signal device operating mechanism including, in combination with a piston and a cylinder in which it operates having provision for the restricted flow of fluid from one to the other end thereof, a timing chamber, and means controllable by said piston to govern fluid communication between said cylinder and timing chamber.

1,538,011. CONNECTING AND LOCKING DEVICE FOR TIRE CHAINS. HENRY ST. PIERRE, Worcester, Mass., assignor to St. Pierre Chain Corporation, Worcester, Mass., a Corporation of Massachusetts. Filed Aug. 14, 1924. Serial No. 732,018. 6 Claims. (Cl. 24—241.)



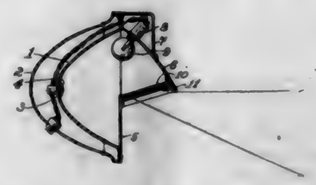
1. As an article of manufacture, a locking device for a tire chain comprising a frame for connection with one end of the chain, a latch or hook member slidably pivoted thereon for receiving a link at the other end of the chain, and having a reverse bend at the opposite end to constitute a hook proper, the frame having a cross bar for receiving the end of the hook under it.

1,538,012. SELF-DUMPING SCOW. PHILIP VINCENT, Olympia, Wash. Filed Nov. 4, 1924. Serial No. 747,856. 3 Claims. (Cl. 114—38.)



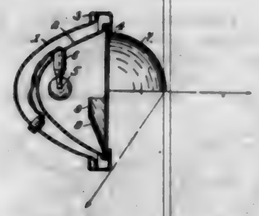
3. A self-dumping scow including a hull having two decks opposite one another and a central longitudinal partition wall dividing the same into similar side compartments, each compartment being located adjacent to one of the decks and having a false bottom spaced from the other deck, and each compartment having a valved water inlet and outlet port located in the outer side wall thereof adjacent to its said false bottom.

1,538,013. COMBINATION HEADLIGHT REFLECTOR. ED WHITAKER, Waterloo, Iowa, assignor, by direct and mesne assignments, of one-third to Ireta L. Escher, Chicago, Ill. Filed Feb. 5, 1924. Serial No. 690,747. 1 Claim. (Cl. 240—41.)



A device of the character described, comprising a concave reflector, a curvate hood positioned across the upper front part of the reflector and having an inner reflecting face, a source of illumination adjacent the said reflecting face above the focal point of the concave reflector, and a flat reflector screen positioned across the lower front part of said concave reflector and with a horizontal upper edge spaced vertically from the lower edge of said upper hood, the hood and screen cooperating in directing light emitted between them within certain vertical limits and emitting light laterally between the hood and screen.

1,538,014. VEHICLE HEADLIGHT. ED WHITAKER, Waterloo, Iowa, assignor, by direct and mesne assignments, of one-third to Ireta L. Escher, Chicago, Ill. Filed Mar. 3, 1924. Serial No. 696,627. 3 Claims. (Cl. 240—48.4.)



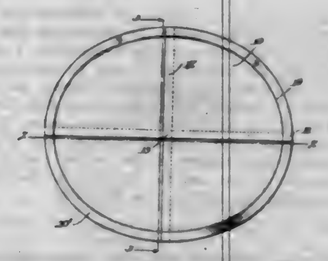
1. In combination, differently sized nested concave reflectors, a concave reflecting screen projecting forwardly of the upper part of the reflectors to limit upward dispersion of light therefrom, and a segmental truncated conical reflecting screen supported across the forward lower part of said reflectors and apically directed interiorly to limit and concentrate downward dispersion of light therefrom, the adjacent transverse edges of said screens being separated vertically to permit sidewise dispersion of light from the reflectors.

1,538,015. BUTTON. FRANKLIN R. WHITE, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 8, 1924. Serial No. 697,938. 8 Claims. (Cl. 24—90.)



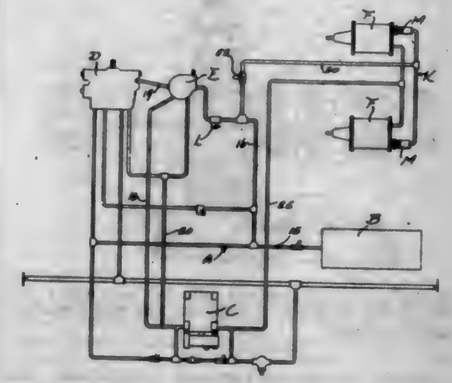
1. A button composed of a body including a head and a hub, the latter being provided with a fastener-receiving chamber therein, and a cap mounted upon said head, the head and cap being of irregular and ornamental configuration and with the cap provided with a rim extending around the head of the button and forming a continuation of the under side of the head.

1,538,016. PAPER BASIN. CHARLES H. WINDSOR, Palmyra, N. J. Filed Jan. 31, 1924. Serial No. 689,716. 13 Claims. (Cl. 229—1.5.)



1. As an article of manufacture a blank for a paper receptacle having a marginal supporting portion and a continuous pleat extending entirely across the blank, the ends of the pleat being adapted to be held folded and substantially the remainder of the pleat being adapted to be opened to depress the center of the blank.

1,538,017. QUICK-RELEASE APPARATUS FOR AIR-BRAKE CYLINDERS. WALTER C. WRIGHT, Youngstown, Ohio. Filed Mar. 24, 1924. Serial No. 701,525. 7 Claims. (Cl. 303—69.)



1. The combination with an air brake cylinder, quick release exhaust valve means for the brake cylinder, air pressure means normally retaining the exhaust valve seated, and means for lowering the air pressure in said last mentioned means to open the exhaust valve for discharge of air from the brake cylinder for releasing a brake application.

1,538,018. GATE. JESSE ADAMS, Nilwood, Ill. Filed Apr. 23, 1924. Serial No. 708,446. 1 Claim. (Cl. 39—22.)

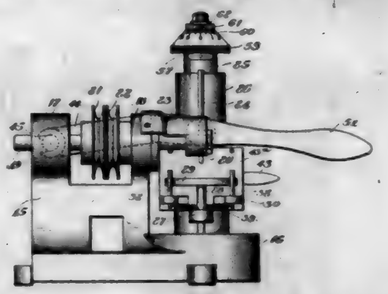


In a structure of the class described, a gate provided at its forward edge with a retaining bolt, a pair of arms pivoted on the gate and extending outwardly therefrom on opposite sides of said bolt, the inner ends of said arms being provided with crank extensions, a longitudinally movable operating rod having a fork formed at its outer end, the arms of said fork being connected at their free ends to said crank extensions, a pivotally mounted bell crank at the inner end of said rod, the short arm of said bell crank being pivotally connected with said rod, and an operating lever pivoted on said gate and adapted for engagement with the free end of said bell crank for actuating the same and said rod, whereby to control said arms.

1,538,019. LENS-GRINDING MACHINE. CARL L. BAUSCH, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Sept. 1, 1921. Serial No. 497,560. 17 Claims. (Cl. 51—96.)

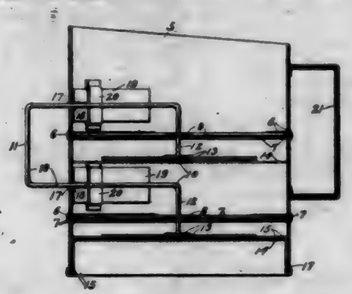
16. In a machine for forming a thickness indicating guide mark in a lens blank, the combination of a thin cutting disk, a slidably mounted lens carried device including a holder and an anvil thereon arranged to sup-

port a lens in a plane at substantially right angles to the plane of the disk, said holder having arms slidably mounted therein and provided with spring pressed means



having gripping engagement with the lens, and a lever for moving the holder to bring the lens into engagement with the disk.

1,538,020. FLOUR SIFTER AND LIGHTENER. MARCELLA BEVERLY, Dallas, Tex. Filed Jan. 8, 1923. Serial No. 611,469. 3 Claims. (Cl. 83—60.)



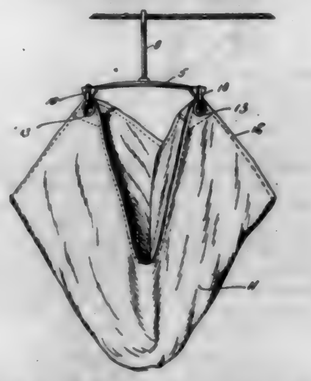
1. In a sifter, the combination of a cylindrical shell having an annular groove or track in its wall, a ring seated in the groove for circumferential movement and held against axial movement, a bar or beater secured to the ring, an operating handle provided with means to secure it to the beater, a screen below the beater, and a sifter member immediately above the screen and provided with means securing it to the operating handle.

1,538,021. SPRAYER-PUMP STRUCTURE. HENRY E. BRANDT, North St. Paul, Minn. Filed Mar. 26, 1923. Serial No. 627,567. 13 Claims. (Cl. 299—96.)



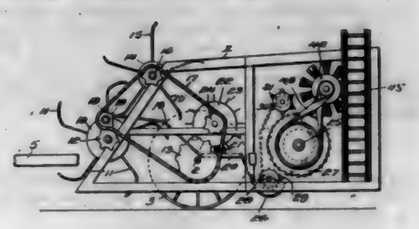
1. A sprayer having in combination a receptacle having a threaded opening therein with an inwardly extending annular flange at the bottom of said opening, a pump cylinder adapted to be disposed in said receptacle and passed through said opening, a closure member having two portions with threaded exteriors of different diameters forming a shoulder therebetween and adapted to be screwed respectively in said threaded opening and pump cylinder, a plunger rod reciprocable through said closure member, means on said rod for engaging said closure member to turn the same into or out of both said threaded opening and pump cylinder, and a single packing ring disposed on said annular flange and engaged by said shoulder on said closure member.

1,538,022. CLOTHESPIN CARRIER. HERMAN M. BREKKE, Virginia, Minn. Filed Nov. 13, 1923. Serial No. 674,524. 1 Claim. (Cl. 66—11.)



In a clothes pin carrier of the class described, a plate element, attachment members formed at the corners of said plate member, a strip of cloth of relatively greater dimension than said plate member and formed at its corners with openings for engagement with said attachment members at the corners of said plate.

1,538,023. COTTON HARVESTER. ROBERT BRUTON, Hale Center, Tex. Filed June 10, 1924. Serial No. 719,169. 1 Claim. (Cl. 19—36.)

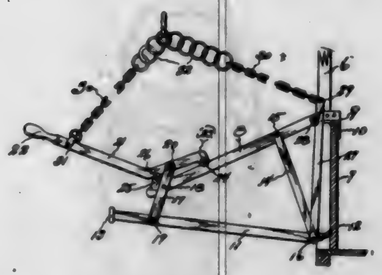


In a cotton harvester, means for receiving the cotton and breaking the hulls, means for separating the cotton from the hulls and for elevating the cotton, a gang of saws journaled for rotation above and to the rear of the last mentioned means and adapted to receive the cotton, a drum journaled above the gang of saws and forwardly of the axis of the saws, and having a series of longitudinally disposed ribs adapted to break the fragments of the hulls which adhere to the cotton and a doffing rotary member above and to the rear of the gang of saws for doffing the cotton from the saws.

1,538,024. GRAIN-DOOR PULLER. ADELBERT CHANDLER, Avondale, Mo. Filed Jan. 21, 1925. Serial No. 3,760. 9 Claims. (Cl. 294—86.)

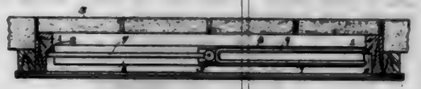
5. A grain door puller comprising, in combination, means for gripping the upper edge of the grain door, said means having a depending flange for bearing against the rear surface of said door, means for engaging the front surface of said door including a spur adapted to

be forced into said door at a point below and in vertical alinement with said gripping means, links connecting said gripping and engaging means one of said links having its one end pivotally mounted adjacent said spur,



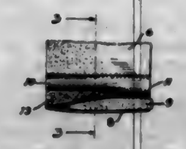
the other end thereof projecting beyond and slidably mounted between said upper edge gripping means and a transverse pin carried thereby, and means for applying power to said links.

1,538,025. REVERSIBLE WINDOW. MICHAEL PATRICK COMERFORD and HENRY B. PARRETT, Ottawa, Ontario, Canada. Filed Nov. 11, 1922. Serial No. 600,302. 3 Claims. (Cl. 20—53.)



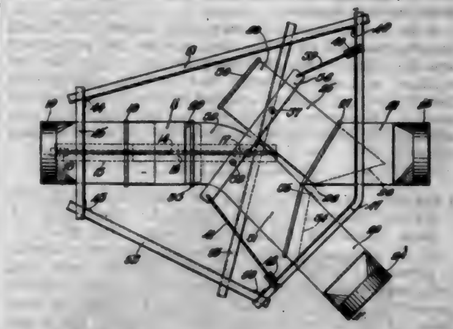
1. In a reversible window, a frame having a continuous chamfered recess adjacent its inner edge, a sash in said frame pivoted so as to swing therein on an arc of 180°, a cleat mounted over one-half of the edge of the frame on one side of the pivots, and a packing strip mounted on the opposite half thereof.

1,538,026. ADJUSTABLE ARCH SUPPORT. ALBERT L. CRAMER, Denver, Colo. Filed Oct. 31, 1924. Serial No. 747,001. 1 Claim. (Cl. 36—71.)



An arch support comprising, in combination, an elastic band adapted to encircle the foot, said band being adapted to exert a contracting force on the foot, a pocket, formed in part of non-elastic material, on the underside of said band, said pocket being open towards the front and adapted to receive a felt pad, a second pocket, also formed in part of non-elastic material, located directly over the first pocket, on the inside of the band, said second pocket having an opening thereinto from the rear of the band, whereby hair may be inserted thereinto and distributed therein.

1,538,027. PNEUMATIC-CONVEYER SWITCH. JOSEPH L. CUSHING, Lowell, Mass. Filed June 21, 1924. Serial No. 721,474. 6 Claims. (Cl. 302—28.)



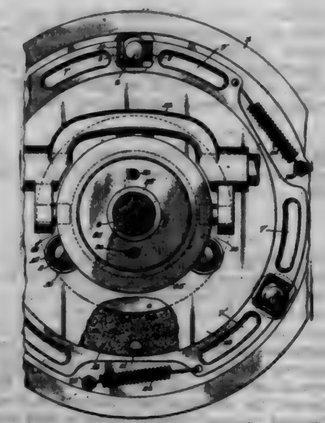
1. A pneumatic conveyer switch having, in combination, a supply pipe, a plurality of discharge pipes, a hinged switch pipe for each discharge pipe supported to swing into position in line with the supply pipe, and a sliding sleeve pipe for connecting the supply pipe with the hinged pipe located in operative position.

1,538,028. COMPOSITE CUTTER BLADE AND PROCESS OF MAKING THE SAME. ALVIN W. DAVIS, North Leominster, Mass., assignor to Simonds Saw and Steel Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed Jan. 30, 1923. Serial No. 615,827. 20 Claims. (Cl. 76—101.)



1. That process of making cutters of the kind having a facing of high speed steel and a backing of softer metal which comprises as a step integrally uniting the respective metals in a welding operation completed within the critical range of temperature corresponding to the permissible ductility ratios for union of the metals involving a single elongation of the metals.

1,538,029. CLUTCH. ANTHONY J. DETLAFF, Detroit, Mich. Filed June 17, 1922. Serial No. 568,988. 5 Claims. (Cl. 192—69.)



1. In a clutch wherein a series of disks have peripheral portions engaging studs on a member, said disks having peripheral portions provided with recesses, and coiled

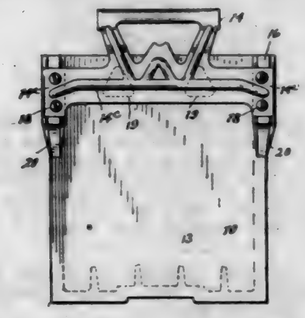
springs maintaining contact between said disks and studs, said springs being disposed at intervals about said disks and in the recesses of said disks, and connecting said disks to said member.

5. In a clutch, a disk having a perforation formed therein, the portion of the disk between the perforation and the edge of the disk being severed to provide two sections, said sections being bent to form substantially parallel bearing surfaces adapted to receive an abutment member therebetween, and ribs formed upon the disk adjacent to said bearing surfaces to provide increased rigidity.

1,538,030. MANUFACTURE OF TEXTILE FABRICS. HENRY DREYFUS, London, England. Filed Aug. 13, 1923. Serial No. 657,222. 22 Claims. (Cl. 28—1.)
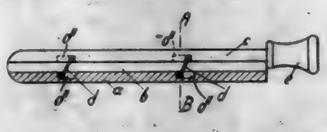
16. In a process for the manufacture of fabric presenting a permanent crêpe effect, weaving a fabric with high twist weft yarns of cellulose acetate having an elasticity preserving coating of colloid substance applied to them prior to receiving the high twist, treating the woven fabric with a hot aqueous liquid whereby said coating is at least partially removed from said coated high twist cellulose acetate yarns, said treatment likewise serving as wetting treatment for the crêping, and drying the fabric.

1,538,031. STORAGE-BATTERY CONTAINER. CARL J. DUNZWEILER, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Aug. 3, 1923. Serial No. 655,451. 4 Claims. (Cl. 136—29.)



1. A storage battery container having end walls of hard rubber and provided near the top with corner lugs or projecting portions constituting buffers and metal handles extending across the ends of the container and each having its ends secured to said lugs and held in spaced relation with respect to the hard rubber end wall.

1,538,032. SURGICAL INJECTOR. HANS FISCHER, Lucerne, Switzerland. Filed Dec. 3, 1921. Serial No. 519,576. 2 Claims. (Cl. 128—261.)



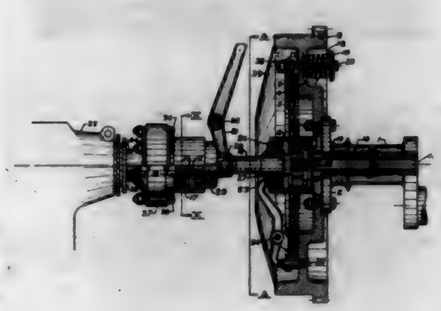
1. A surgical appliance for the purpose set forth comprising a rod having a longitudinal channel therein, a second rod in said channel, of a cross section filling the width but not the depth of said channel, a handle fixed to said second rod and links connecting said second rod to said first rod, allowing said second rod to be raised and lowered in said channel, substantially parallel with the floor thereof, by pushing and pulling said handle.

1,538,033. PADLOCK. SAMUEL R. FRAIM, Lancaster, Pa. Filed June 17, 1924. Serial No. 720,656. 7 Claims. (Cl. 70—105.)



1. A padlock comprising, in combination, a casing, a shackle pivotally mounted therein, a sliding bolt lever, a locking bolt also pivotally mounted in said casing and adapted to be actuated by said bolt lever to engage and disengage said shackle, a master lever, and a plurality of change levers mounted on a common axis and adapted to regulate the movement of said locking bolt, said change levers being operable independently of said master lever, the latter being operable alone to actuate all of said change levers.

1,538,034. CLUTCH. ALBERT ERNEST FEBY, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Sept. 7, 1922. Serial No. 586,746. 10 Claims. (Cl. 192—68.)



1. In a device of the class described, a fly wheel, a ring, a disc interposed between said fly wheel and said ring, means supported by said ring to cause frictional engagement of said disc with said fly wheel and said ring, and means to release said disc from engagement with said fly wheel and said ring, said means comprising a shifter member, a member having a spherical seat operatively connected with said shifter member, a washer seated on said member, and clutch releasing members having their inner ends resting on said washer.

1,538,035. LOCK FOR BRAKE LEVERS. FORREST W. GILLETTE, Hoboken, N. J. Filed June 24, 1922. Serial No. 570,739. Renewed Nov. 1, 1924. 1 Claim. (Cl. 70—132.)

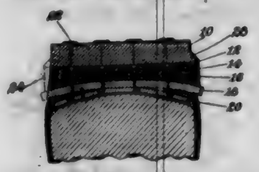
In a device of the character set forth, a pivotally mounted brake-lever, a pawl pivotally mounted thereon, a toothed segment, a member disposed parallel therewith and having cavities corresponding to and arranged

by the side of said teeth, said pawl being cooperable with said teeth, a locking rod movably mounted on said lever for cooperation with said cavities, a lock, a member of



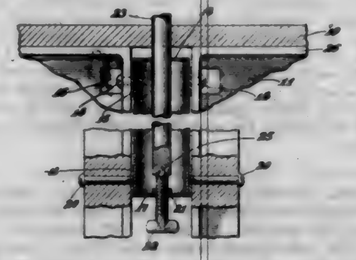
which is connected with said locking rod to throw it in one direction, and a spring acting on said rod to assist in its movement in the opposite direction.

1,538,036. CUSHION-HEEL BLANK. JOHN B. HADAWAY, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 18, 1922. Serial No. 607,601. 4 Claims. (Cl. 36—35.)



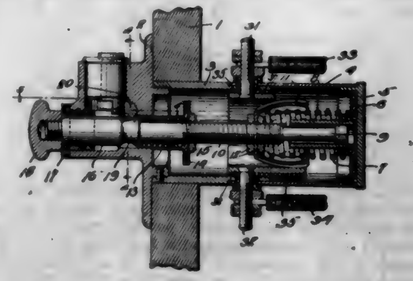
1. As an article of manufacture, an unattached cushion heel blank having a tread portion of resilient material of a fixed size and shape desired in the finished shoe, and a body portion integral with the tread portion, of indeterminate size and shape enough larger than said tread portion to permit the body portion of the heel, after attachment to a shoe of indeterminate size and shape, to be trimmed to a size and shape determined by the heel end of the shoe and said fixed tread portion of the heel blank.

1,538,037. TABLE. FRANK HAGEMANN, Cisco, Tex. Filed June 16, 1924. Serial No. 720,171. 1 Claim. (Cl. 45—111.)



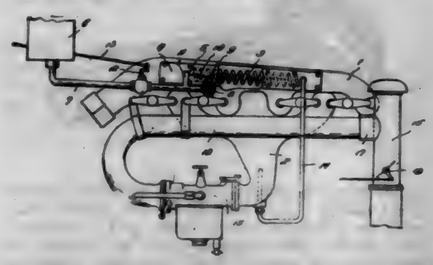
A compound table comprising a non-tiltable main plate, an auxiliary plate rotatable thereabove, supports on which the main plate loosely rests in a fixed plane, said supports diverging at their lower portions, a tubular member rigidly bolted between said supports, a conically pointed screw extending axially upward into said member, the head of said screw being accessible between said supports, and a spindle carrying the auxiliary plate, said spindle being guided in said tubular member and seated on the point of said screw whereby said auxiliary plate may be raised or lowered relative to the main plate.

1,538,038. STORAGE-BATTERY-SWITCH LOCK. GEORGE J. HARRIS, Leonardville, Kans. Filed Mar. 20, 1922. Serial No. 545,179. 3 Claims. (Cl. 200—44.)



1. In an electric switch, the combination with two separate conducting contact studs of a conducting member mounted upon a longitudinally movable shaft, an engaging means disposed on said shaft, said conducting member normally connecting the two contact studs, the conducting member being movable away from one of the contact studs, means engaging said shaft to move said conducting member into engagement with the contact studs, means for locking said conducting member in its inoperative position, said means comprising a locking-bar engaging said engaging means on said shaft and a locking-plug co-operating with the locking bar for locking said bar and shaft when the conducting member is disconnected.

1,538,039. STEAM AND AIR INJECTOR FOR INTERNAL-COMBUSTION ENGINES. MICHAEL R. HARNAY, Havre de Grace, Md. Filed June 11, 1924. Serial No. 719,398. 1 Claim. (Cl. 123—25.)



In an air and steam injector for internal combustion engines, a closing plate adapted to be mounted upon the engine exhaust manifold, said plate being provided adjacent its ends with openings, a steam coil disposed upon the inside of said plate, the ends of the coil terminating opposite and being in alignment with said openings, a water tank adapted to be supported adjacent said plate, a conduit connected at one end to and leading from said tank and extending into proximity to said plate, a valve in said conduit said conduit having its other end fashioned to provide an air intake valve and being provided between the valves with a branch extending through the adjacent one of the aforesaid openings in

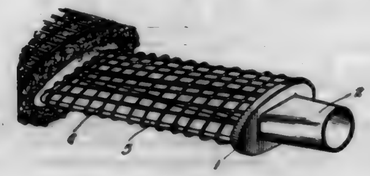
the plate and connected with the intake end of said coil, and a steam conducting pipe extending through the remaining opening and connected with the discharge end of said coil, the discharge end of said pipe being adapted to be connected with the engine intake manifold.

1,538,040. LONGITUDINAL AND TRANSVERSE ARCH SUPPORT. OSCAR HEITZMANN, St. Louis, Mo., assignor of one-half to Deidrich H. Steineke, St. Louis, Mo. Filed July 14, 1923. Serial No. 651,454. 1 Claim. (Cl. 36—71.)



In a shoe, a support located in the shank thereof, said support including an upper plate having a rear end portion, an intermediate portion concaved longitudinally and transversely, and a front end portion connected to the intermediate portion by a hump, and a second plate applied to the under side of the first mentioned plate and extending under the intermediate portion thereof and partially under the forward end thereof, the said second plate being humped similarly to the first mentioned plate and having its upper surface in close contact with the lower surface of the first mentioned plate, the second mentioned plate being secured at its rear end to the first mentioned plate at the concaved intermediate portion thereof, the forward ends of said plates being disconnected from each other, whereby the plates may flex with relation to each other, in the manner and for the purpose specified.

1,538,041. AIR FILTER. PATRICK H. HORTON and CHARLES E. HOSE, Kansas City, Mo. Filed May 1, 1924. Serial No. 710,419. 1 Claim. (Cl. 183—44.)



An air filter comprising a cage-like form of reticulated material having a solid head at one end with a tubular opening for attachment to the intake of a carburetor, a bag-like envelope fitting over the cage, the envelope consisting of porous material and a reticulated screen embracing the envelope and co-operating with the cage to clamp the envelope in position.

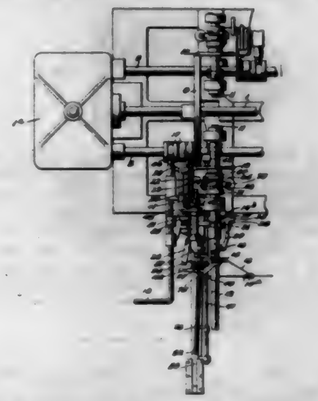
1,538,042. THERMOMETER. EDWARD N. HURLBURT, Rochester, N. Y., assignor to Taylor Instrument Cos., Rochester, N. Y., a Corporation of New York. Filed June 20, 1923. Serial No. 646,506. 2 Claims. (Cl. 73—52.)

1. A thermometer comprising a glass tube having a scale portion and an elongated stem portion terminating in a bulb of substantially the same diameter as the stem and provided with a pointed end for piercing material to be tested, a reinforcing metal sheath electrolytically deposited on the surface of said bulb and stem portion and a protective metal casing for said scale



portion extending at one end into overlapping relation with said sheath and having a sight opening through which the scale is visible.

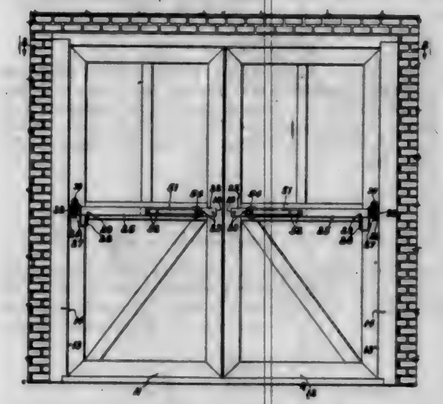
1,538,043. WINDING MACHINE. JAMES D. JOYCE, Philadelphia, Pa. Filed Jan. 25, 1924. Serial No. 688,502. 16 Claims. (Cl. 242—29.)



1. In combination, in a winding machine, a frame, a plurality of spindles rotatably mounted in said frame, means for rotating said spindles, a traversing thread guide for each spindle, means for traversing said thread guides longitudinally of said spindles, and means manually operable to throw any of said spindles and its traversing thread guide simultaneously out of operation while permitting the operation of the remainder of said spindles.

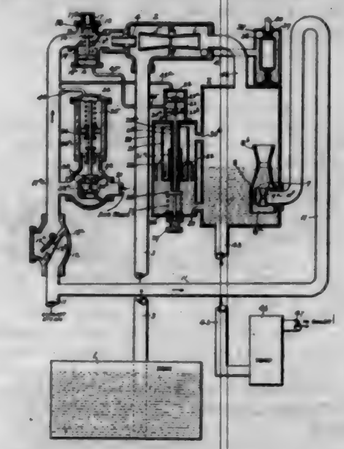
1,538,044. DOOR-CONTROLLING MEANS. WILLIAM J. KEMPER, Covington, Ky. Filed June 22, 1923. Serial No. 647,157. 3 Claims. (Cl. 292—267.)

1. The combination, with a door and a wall of the door-opening, of a brace-rod pivoted at one end to said wall, a guide-strip secured to said door and provided with holes, the swinging end of said brace-rod provided with flanges about said guide-strip for sliding connection therewith and with an outward bulge intermediate between said flanges, said outward bulge provided with a hole, a spring-bar, means rigidly securing one end of said spring-bar to said brace-rod in manner to permit swinging of the other end of said spring-bar on said brace-rod, the swinging end of said spring-bar formed with a handle, and a bolt fixed to the swinging end of



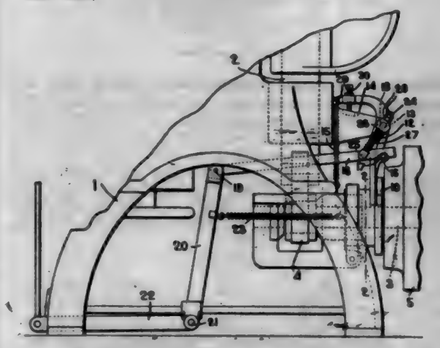
said spring-bar and operating in said hole in said bulge and arranged to be received in said holes in said guide-strip, said bolt arranged to wedge against the wall of said hole in said outward bulge for limiting the outward swinging movement of said swinging end of said spring-bar for constituting said handle as a handle for moving said door.

1,538,045. FEED-WATER HEATING AND DELIVERING APPARATUS. JOHN J. KING, Boston, Mass. Filed Sept. 14, 1923. Serial No. 662,753. 10 Claims. (Cl. 261—76.)



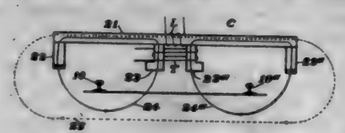
1. An apparatus of the character stated comprising, in combination, a heater tank having an inlet and an outlet, a suction pipe; an ejector communicating with the suction pipe and with the tank inlet, and including means operable by exhaust steam to cause a flow of feed water through the suction pipe and into the heater tank, a heater within the tank, including means operable by exhaust steam to circulate, in the tank, water heated by the exhaust steam, an exhaust steam conduit communicating with the ejector and the heater, and a force pump communicating with the heater tank outlet, the arrangement being such that exhaust steam supplied to the ejector causes the ejector to draw feed water through the suction pipe and deliver it to the heater tank, while exhaust steam supplied to the heater causes the latter to circulate and heat the water delivered by the ejector, so that the force pump draws heated water from the heater tank.

1,538,046. CLUTCH-CONTROLLING DEVICE FOR PRESSES AND THE LIKE. JOHN J. KIRWIN, Boston, Mass., assignor to Reece Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Nov. 8, 1923. Serial No. 673,536. 3 Claims. (Cl. 192—82.)



1. The combination with an operating shaft, of a clutch by which the shaft is rotated, a spring-actuated swinging arm having a projection and a clutch-disengaging portion, means for moving the arm into inoperative position, said means including a treadle, a link connected thereto and having a notch normally engaging said projection, a rocking member, a radius arm pivotally connected at one end to the link and slidable through the rocking member, and a spring encircling the radius rod and confined between the rocking member and the link, whereby when the treadle is depressed the turning movement of the rocking arm will disengage the link from the projection and when the treadle is released the spring will cause a re-engagement of the link with said projection.

1,538,047. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LLOYD V. LEWIS, Edgewood, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Sept. 11, 1920, Serial No. 409,705. Renewed May 6, 1922. Serial No. 559,057. 15 Claims. (Cl. 246—63.)

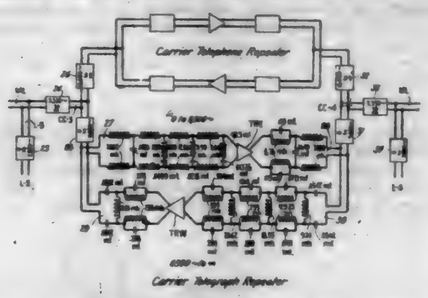


13. Vehicle carried receiving apparatus comprising a magnetizable core and two windings mounted thereon in non-inductive relation to each other.

1,538,048. MULTIPLEX SIGNALING SYSTEM. MAURICE B. LONG, Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 20, 1924. Serial No. 693,998. 8 Claims. (Cl. 179—15.)

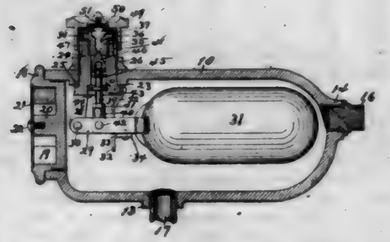
1. In a multiplex signaling system, a transmission line, stations thereon, a grouping filter at one station,

a grouping filter at another station, and a repeater connected in said line and comprising an input filter identical to one of said grouping filters and an output filter



identical to the other of said grouping filters, said output filter having a different transmission efficiency for large currents than said input filter.

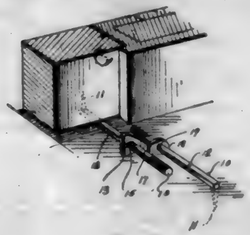
1,538,049. AUTOMATIC AIR VALVE FOR HOT-WATER RADIATION. EDWIN Z. MACK, Marshalltown, Iowa. Filed Apr. 11, 1921. Serial No. 460,598. 14 Claims. (Cl. 137—122.)



6. In a device of the class described, a casing, a valve chamber on and extending within said casing, a seat member threaded therein and formed with a downwardly opening seat, a float lever within but independent of said casing and pivoted on said chamber, a valve stem adjustably mounted on said lever and pivoted thereto, and a self-centering valve on said stem adapted to engage said seat.

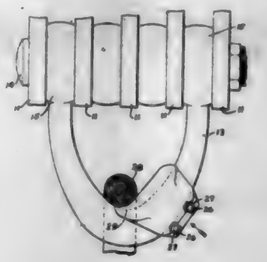
14. In a device of the class described, a float lever, a trigger adjustably mounted thereon, and a spring formed with a lug adapted to engage said trigger.

1,538,050. PORTABLE LOCK. JAMES A. MARK, Madison, Kans. Filed Apr. 14, 1923. Serial No. 632,075. 2 Claims. (Cl. 292—291.)



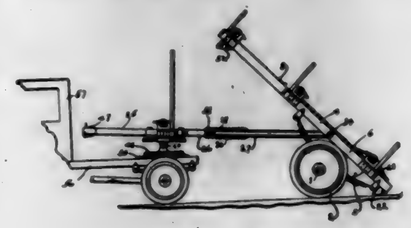
1. In a lock of the type described, a stem provided at one end with a spike disposed at right-angles thereto, the stem being screw-threaded and being flattened from a point adjacent the opposite end to the spike bearing end thereof, and an elongated locking plate associated with said stem having an opening formed therein adjacent one end edge thereof, the opening being provided with multiated threads engageable with the threads of the stem and alignable with the flattened portions thereof, the threads of said opening being aligned with the longitudinal axis of the plate and at one end of the plate.

1,538,051. BALANCING DEVICE FOR SHEAVE BLOCKS. BURT STANLEY MINOR, Los Angeles, Calif., assignor to Regan Forge & Engineering Company, San Pedro, Calif., a Corporation of California. Filed Apr. 14, 1924. Serial No. 706,324. 5 Claims. (Cl. 254—192.)



1. In combination with a sheave block provided with a clevis for sustaining a load, a block balancing device formed with a seat for receiving the load sustaining cable, and means for adjustably mounting said device on the clevis of said block, whereby said seat may be positioned at either side of the vertical axis of said block.

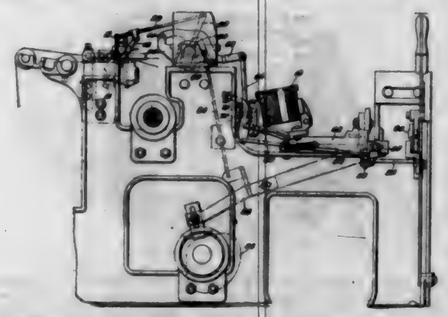
1,538,052. TRAILER. CHARLES H. MUELLER, Milwaukee, Wis. Filed Jan. 23, 1922. Serial No. 531,293. 10 Claims. (Cl. 298—17.)



1. In a trailer, the combination with a supporting axle and wheels, of a trailer frame supported from said axle, a sub-frame pivotally connected to said trailer frame and providing a longitudinal sliding bearing, and a reach having a portion slidably adjustable through said bearing.

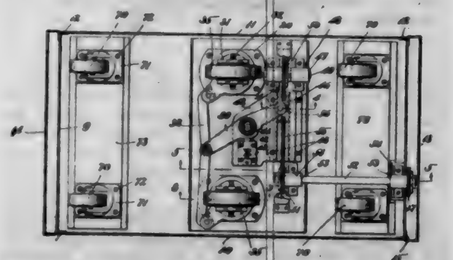
1,538,053. STOP MOTION FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Jan. 27, 1923. Serial No. 615,358. 6 Claims. (Cl. 139—367.)

1. A warp stop motion for looms having, in combination, drop wires, a detector, a detector lever adapted to oscillate the detector beneath the warps, a rock lever connected with the detector lever and provided with a slabbed bearing surface, an actuator lever having a slabbed surface aligning with the slabbed surface of the rock lever, a dog adapted to be normally maintained stationary on the actuator lever and having a surface en-



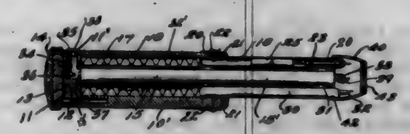
gaging the slabbed surfaces of the rock lever and actuator lever, means for oscillating the actuator lever, and a knock-off mechanism having a trip lever in normal inoperative engagement with the dog.

1,538,054. TRUCK. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed Apr. 12, 1922. Serial No. 551,957. 8 Claims. (Cl. 280—48.)



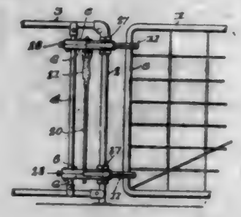
1. A truck having a pair of guide members pivoted therebeneath, a lever pivoted to the bottom of the truck, links connecting said members to said lever and arranged to maintain said members in substantially parallel relation, and means including a reciprocable slide connected to said lever for actuating the latter to change the angular disposition of said members.

1,538,055. COMBINED PENCIL, PEN, AND FLASH LIGHT. ARNT OLSEN, New York, N. Y. Filed May 31, 1924. Serial No. 717,020. 4 Claims. (Cl. 240—8.4.)



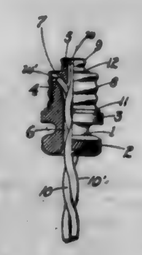
1. A device of the character described comprising a casing member, an electric light battery mounted in the central portion of said casing, a pencil slidably mounted within the said casing, a pen slidably mounted within the said casing, means for preventing displacement of the said pen and pencil, an electric light bulb secured to the extremity of the said battery, and a cap removably mounted upon the extremity of the said pen and pencil.

1,538,056. GATE LATCH. JOHN B. OLSON, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis., a Corporation of Wisconsin. Filed May 12, 1921. Serial No. 468,018. 9 Claims. (Cl. 292—216.)



1. In a device of the character described, a gate latch comprising a supporting member, a pivotally mounted hub element having a gate engaging portion and provided with laterally projecting shoulders, a pair of dogs independently pivoted to said member and positioned for engagement with said shoulders, and a single spring acting upon both of said dogs and urging them toward said hub to positions for engagement with the shoulders to which they are respectively adjacent.

1,538,057. ELECTRIC ATTACHMENT PLUG. RAYMOND V. OWEN, St. Louis, Mo., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Sept. 20, 1920. Serial No. 411,376. 1 Claim. (Cl. 173—359.)

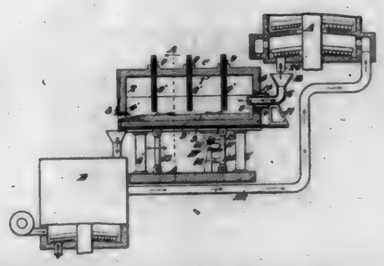


An electrical attachment plug comprising a body portion channeled through its center to receive the current carrying wires, a branch of said channel leading to the side of the plug for carrying a terminal of one of the wires; a projection on the end of the body portion, a channel extending through the said projection, the outer periphery of the body portion being screw-threaded and also the projection on the body portion being screw-threaded; a shell for securing the plug to the socket, orificed to fit over the projection on the end of the body portion and screw-threaded to engage the screw threads on the periphery of the body portion, secured to the said body portion; a second shell to cover the projection and screw-threaded to engage the screw threads on the said projection, substantially as shown and described.

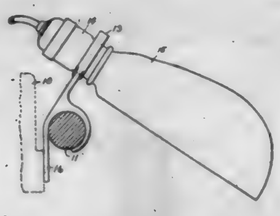
1,538,058. CLINKERING APPARATUS. ROBERT D. PIKE, San Francisco, Calif. Filed June 18, 1923. Serial No. 645,168. 2 Claims. (Cl. 222—7.)

1. A clinkering apparatus, the same comprising an insulated stationary elongated open-bottomed furnace structure provided with an inlet for calcined material and an outlet for the discharge of the clinkers, elec-

trodes extended into the furnace for maintaining therein a temperature sufficient for the clinkering of calcined material, a vibratory hearth associated with the furnace for receiving and advancing material to be clinkered therethrough, and means for imparting vibratory movement to said hearth in a direction corresponding to the line of travel of the material from the inlet to the discharge opening.



1,538,059. LAMP BRACKET. THOMAS W. ROBISON, Hillsdale, Oreg. Filed Sept. 24, 1923. Serial No. 664,603. 1 Claim. (Cl. 240—52.)



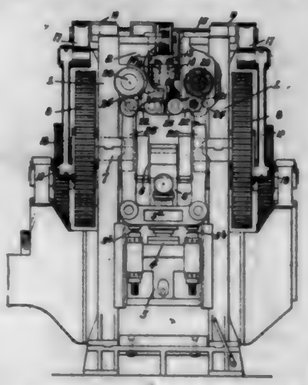
A lamp bracket consisting of a frame having an upstanding forked member adapted to receive a lamp socket, a pendant foot adapted to bear against a vertical wall, and a malleable arm projecting from the middle of said frame and adapted to be curled downwardly around and slide on a round rod mounted in front of said vertical wall.

1,538,060. MANUFACTURE OF RUBBER. PHILIP SCHIDROWITZ, WILLIAM FELDENHEIMER, and WALTER WILLIAM PLOWMAN, London, England. Original application filed May 13, 1920, Serial No. 381,179. Divided and this application filed Sept. 3, 1921. Serial No. 498,450. 35 Claims. (Cl. 106—23.)

34. A vulcanized rubber composition containing an initially deflocculated clay.

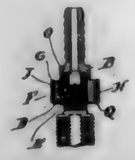
1,538,061. TOGGLE PRESS. ARTHUR H. SCHLOS, Toledo, Ohio, assignor to The Toledo Machine & Tool Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 18, 1924. Serial No. 732,793. 7 Claims. (Cl. 113—38.)

1. In a toggle press, a frame, a blank-holder and a slide mounted for reciprocatory movements therein, one above the other, a shaft mounted in the frame with bearings at opposite sides of the slide, means for rocking said shaft, operating connections between the shaft and slide, rock-shafts mounted at opposite sides of the slide at right angles to the first shaft, connection between the slide and central portions of the respective rock-shafts to impart predetermined rocking movements thereto from reciprocatory movements of the slide, and



connections between the ends of the rock-shafts and the blank holder for reciprocating the latter from rocking movements of the former.

1,538,062. PUMP COUPLING OR THE LIKE. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y. Filed Oct. 9, 1920. Serial No. 415,883. 3 Claims. (Cl. 285,170.)



1. A pump coupling or the like having a tiltable dog, a circular band surrounding the dog and adapted to cam the dog, said dog having a body portion extending substantially parallel to the axis of the coupling and a projection at one end of the dog movable in a recess in the circular band.

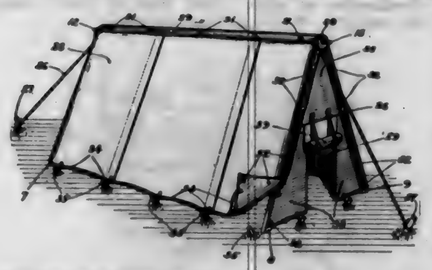
1,538,063. CUSHION HEEL. JOHN C. SHERRY, Seattle, Wash. Filed Apr. 30, 1923. Serial No. 635,496. 1 Claim. (Cl. 36—35.)



In a cushion for heels, a small cylindrical casing having a ridge at one end and the opposite end closed, a disk having sections stamped outward and bent slightly over to engage the ridge of the cylinder, and a spring between the casing and disk, said device being adaptable to be inserted in an opening in a heel.
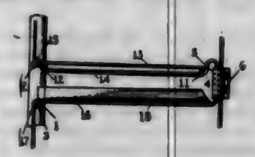
1,538,064. TENT. AUGUST W. SKOG, Minneapolis, Minn. Filed Mar. 26, 1923. Serial No. 627,688. 7 Claims. (Cl. 135—1.)

1. A tent comprising rafters arranged in pairs, a ridge pole having a sliding connection at its ends with the pairs of rafters respectively, a cover composed of sections having abutting longitudinal edges folded together over said ridge pole, and secured to said pole and rafters at their points of intersection, said covers extending down on each side of the tent and having



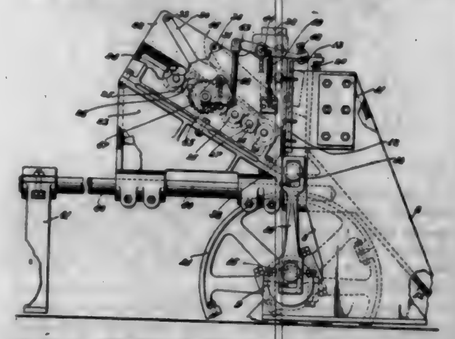
means for attachment to said rafters and guy ropes connected with said rafters for drawing them apart and putting said cover under tension.

1,538,065. FLOOR AND DROP PAN SUPPORT FOR POULTRY-FEEDING BATTERIES. WILLIAM J. STEWART, Clinton, Iowa. Filed Jan. 26, 1924. Serial No. 688,686. 3 Claims. (Cl. 119—17.)



3. The combination with a poultry feeding battery having vertical partitions, of a combined floor and drop pan support comprising a two pronged fork the loop of which is hinged to the vertical partition of the battery, the upper prong having a recess formed therein to receive the floor, the lower being adapted to hold the drop pan, hooks formed at the ends of the prongs, members carried by the battery engaged by said hooks, means which secures two of said forks to said partition, comprising two members each of which is provided with a U drop adjacent one end in which the loop of the fork is mounted, a bolt and nut which secure the said hings to the said partition.

1,538,066. PULPWOOD-CHIPPING MACHINE. LOUIS H. STERRY, Olean, N. Y. Filed Apr. 8, 1921. Serial No. 459,768. 15 Claims. (Cl. 83—75.)

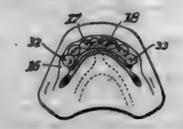


1. In a chipping machine, the combination with a feed trough, of a reciprocating knife frame, adjustable knives fitted in said frame, fixed guide-ways for said knife frame, adjustable wedges for said guide-ways, and means for reciprocating said knife frame.

1,538,067. RUST-PREVENTING COMPOSITION. ATKINS STOKES, Portsmouth, Va. Filed Aug. 30, 1924. Serial No. 735,202. 2 Claims. (Cl. 134—1.)

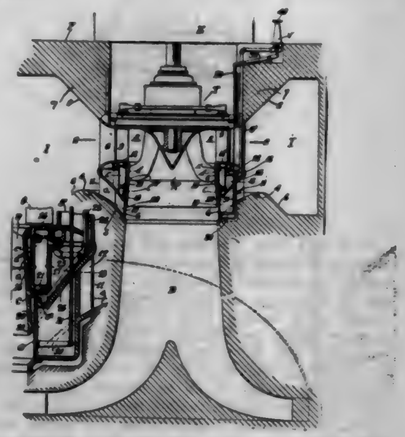
1. A composition of matter for coating iron and steel whereby to prevent rusting thereof, consisting of white lead, petroleum jelly, and lubricating oil, the proportion of white lead being substantially four times the quantity of petroleum jelly and lubricating oil combined.

1,538,068. LINGUAL BAR PATTERN. FELIX TAVI, New York, N. Y. Filed Nov. 14, 1924. Serial No. 749,844. 9 Claims. (Cl. 32—4.)



1. A lingual bar pattern of pliable material having a low melting point comprising a body portion moldable to conform to a reproduction model of the gums of a patient.

1,538,069. FLUID-OPERATED HEAD INCREASER. HARVEY BIRCHARD TAYLOR, Philadelphia, Pa. Filed June 23, 1920. Serial No. 391,036. 15 Claims. (Cl. 253—17.)

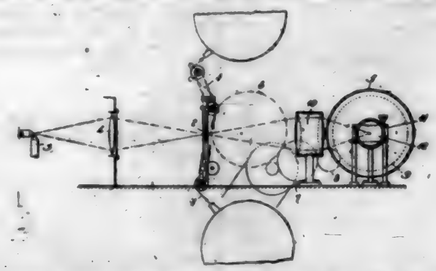


1. In a hydraulic turbine the combination with an intake and draft tube and a turbine runner between said intake and tube, of a by-pass from said intake to said draft tube below said runner, an axially movable gate for said by-pass, and operating means for said gate contained within the annular space bounded by the inner wall of the intake, the upper wall of said by-pass and the axially directed portion of the turbine conduit at the upper end of the draft tube.

1,538,070. APPARATUS FOR PROJECTING CINEMATOGRAPH PICTURES. OLOF ARVID AXELSSON TRNOW, Stockholm, Sweden, assignor of one-half to Gustaf Viktor Leonard Rose, Uppsala, Sweden. Filed Mar. 5, 1924. Serial No. 696,935. 1 Claim. (Cl. 88—16.8.)

An apparatus for projecting cinematograph pictures comprising, in combination, a film, means for moving said film with a constant speed, a rotating wheel of aplanatic lenses for compensating the wandering of the pictures, and a projecting system disposed between the film and the lens-wheel, the power and position of said

system being chosen in such a manner than it alone projects the film upon the point of intersection between the optical axis of the said projection system and the outermost part of the path of the exterior aplanatic



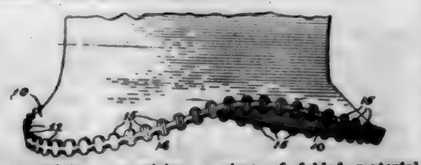
points, while the enlargement is such that the movement caused by the motion of the film-image thus projected has the same speed as the outer aplanatic points have by virtue of the rotation of the lens-wheel.

1,538,071. MEANS FOR INCLOSING AND READILY DISPLAYING WHEN REQUIRED A RECORD OF INFORMATION. REES GORDON THOMAS and BLANCHE ELLIOTT, London, England. Filed May 8, 1924. Serial No. 711,796. 5 Claims. (Cl. 40—10.5.)



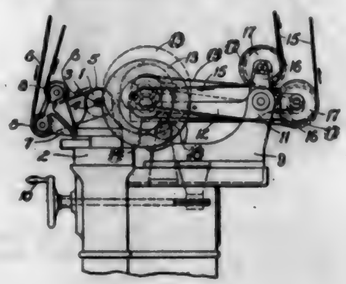
1. A device for inclosing and readily displaying when required a record of telephone addresses or other information, comprising a protective casing having a slit in one of its walls for the passage into and out of the casing of a flexible strip for the record, a rotatable member within the casing, a tongue of flexible material secured at one end to the rotatable member and capable of extending therefrom at the other end through the slit in the casing so as to provide a means of conveniently connecting a flexible record strip to the rotatable member without dismembering the casing, means for automatically rotating said rotatable member so as to wind thereon the record strip and locking means for temporarily preventing the free end of the tongue from passing into the casing while the record strip is being attached to it.

1,538,072. FELT HAT AND THE LIKE. RALPH S. TOMPKINS, Newburgh, N. Y. Filed June 6, 1923. Serial No. 643,675. 7 Claims. (Cl. 2—175.)



7. An edging comprising a piece of folded material having inherent elasticity, and a series of tongues cut in said folded material and having their bases in the fold thereof, said tongues projecting out of the plane of the material.

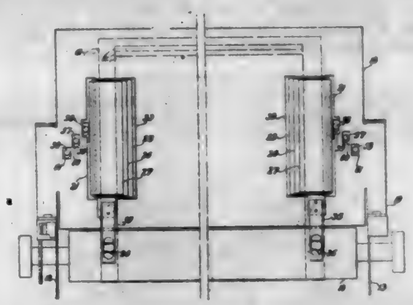
1,538,073. GRINDING MACHINE AND PROCESS. HERBERT VANDERBERG, Canton, Ohio, assignor to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed June 2, 1923. Serial No. 642,979. 7 Claims. (Cl. 51—33.)



1. In a machine for grinding the bearing surface of rollers for roller bearings and the like, means for rotatably holding a roller, a grinding wheel, and means for moving said grinding wheel in a substantially tangential path with respect to the bearing surface of the roller.

4. A grinding machine for grinding the bearing surface of rollers for roller bearings, comprising means for rotatably holding a roller, a pivoted arm, a grinding wheel rotatably mounted at the end of said arm, and means for raising said grinding wheel and permitting it to lower to grind the roller, said means including a cam and permitting the grinding wheel to drop below the straight line passing through the axis of the work and the pivot of said arm.

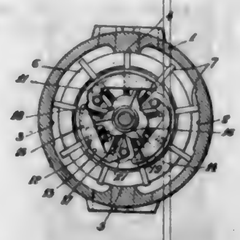
1,538,074. TYPEWRITING MACHINE. JOHN A. WHERRY, New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 19, 1921. Serial No. 453,804. 23 Claims. (Cl. 197—127.)



1. A collating device including a table, and superimposed sheet-clamping and aligning members arranged on the sheet-guiding side of the table, and movable away therefrom, said members having their inner edges beveled so as to facilitate the insertion of the side edges of work-sheets.

1,538,075. VANE PUMP. SVEN GUSTAF WINQUIST, Gottenborg, Sweden. Filed Feb. 27, 1923. Serial No. 621,573. 6 Claims. (Cl. 103—136.)

1. In a vane pump comprising a stator and a rotor and working vanes movable radially or substantially radially in one of said parts, the other part being provided with one or more working surfaces co-operating with said radially movable vanes, and means comprising springs and one or more movable weights acted on

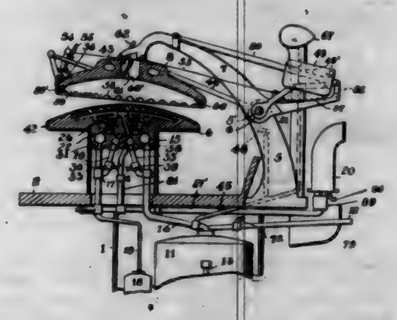


by said springs and by centrifugal force for positively limiting the radial movement of said vanes in the direction towards the said working surfaces.

1,538,076. VULCANIZATION OF RUBBER. JOHN YOUNG, Caldwell, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y., a Corporation of New York. Filed July 8, 1922. Serial No. 573,743. 15 Claims. (Cl. 18—53.)

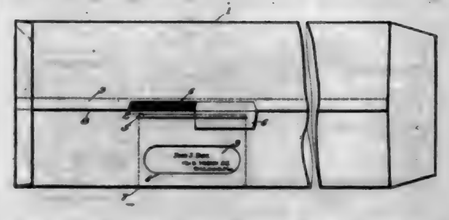
1. The method of promoting the vulcanization of rubber which comprises incorporating with the rubber a small amount of a mixture of ditolyl substituted guanidines including di-orthotolylguanidine and diparatolylguanidine in which the orthotolylguanidine predominates together with other compounding ingredients and vulcanising the resulting mixture.

1,538,077. PRESSING AND CLEANING APPARATUS. JOHN J. ZUBUK-ZUBINSKY, McKeesport, Pa. Filed Jan. 23, 1923. Serial No. 614,412. 2 Claims. (Cl. 68—9.)



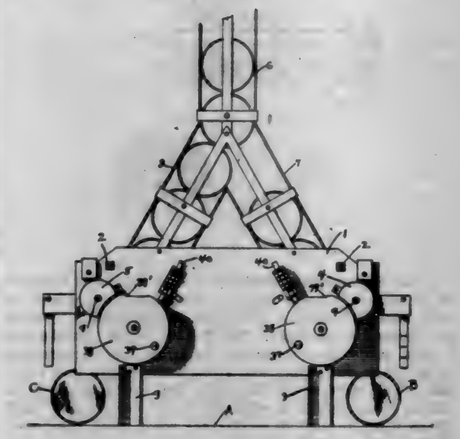
1. An apparatus for the purpose set forth comprising a support, a pressing buck mounted thereon, a rocking frame arranged over the buck and pivotally supported intermediate its ends on said support and with the pivot therefor rearwardly of the buck, a press head carried by the forward end of the frame and co-acting with said buck, a bar connected to and extending from near the forward end to the rear end of the frame, and a weight slidably mounted on said bar and means for shifting the same forwardly thereon to provide a pressure applying means for the head when co-acting with the buck and rearwardly thereon to form a counter-balance to hold the frame upwardly when the head is shifted by the frame from co-acting position, said bar being arranged at the longitudinal center of the frame.

1,538,078. ENVELOPE. STEPHEN S. ADAMS, St. Louis, Mo. Filed May 9, 1922. Serial No. 559,528. 5 Claims. (Cl. 229—72.)



1. In combination, an envelope having in one face a relatively short slit parallel with and spaced from one folding line of the envelope, a removable plane enclosure substantially smaller than the envelope, extending through the slit and having one edge seated in said folding line, and means on said face for engaging the opposite edge of said enclosure to hold the latter against movement from the fold through the slit.

1,538,079. CAN-MARKING MACHINE. JOHN ALBERTOLI, San Francisco, Calif. Filed Jan. 19, 1924. Serial No. 687,319. 9 Claims. (Cl. 101—35.)

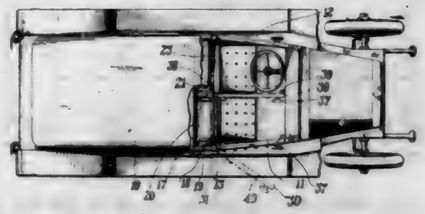


1. A mechanism for making marks on cans comprising a frame, a plurality of marking rollers mounted on the frame, means for rotating the rollers, means for conducting cans to the frame, means on the frame between which and the rollers the cans engage and which guide the cans downwardly when the rollers are rotated and means for selectively moving any one of the several rollers into and out of position to engage and mark the cans.

1,538,080. MOTOR VEHICLE. JOSEPH A. ANGLADA, Jenkintown, Pa., assignor to Electrocar Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 16, 1922. Serial No. 544,847. 1 Claim. (Cl. 296—37.)

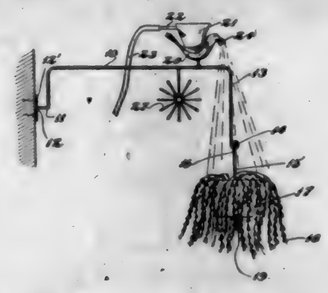
In a motor vehicle, a body, hinge members thereon, a door having complementary hinge members adapted to engage and coact with the body hinge members, said hinge members being so constructed and arranged that the door can be lifted out of the body hinge members when the door is swung on its hinges to open position, a front compartment in the vehicle, a driver's seat in said

compartment and extending across a portion thereof, a folding seat disposed in the remaining portion of the compartment and arranged to swing rearwardly into the rear wall of the compartment, and hinge members cor-



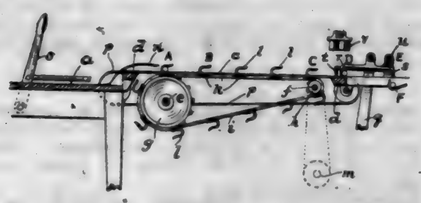
responding to the body hinge members within the vehicle and disposed in the front vehicle compartment adjacent the driver's seat, for supporting the door when detached from the body.

1,538,081. SUSPENSION FLOWERPOT. ALBERT BANE, Glenavon, Saskatchewan, Canada. Filed May 18, 1923. Serial No. 639,822. 1 Claim. (Cl. 47—35.)



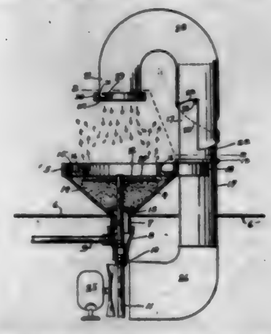
A suspension flower pot, comprising a support adapted to be secured to and project outwardly from a fixture, said support having a depending outer terminal formed into a hook, a receptacle for flowers or the like having a stem projecting vertically therefrom and terminating in an eye to removably and swingingly engage said hook, and means carried by and rigid with said support to receive water from a suitable source of supply, said means being formed to deliver the water onto the flower in the pot.

1,538,082. CIGAR MACHINE. MEYER BAYUK, Jenkintown, Pa. Filed Oct. 17, 1921. Serial No. 508,095. 6 Claims. (Cl. 131—39.)



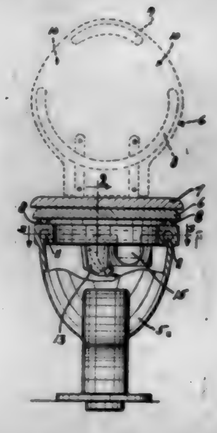
1. In a cigar making machine, the combination with bunch transferring devices, of a bunch maker's table, a conveyor extending from the table to the transferring devices having a plurality of spaced sets of bunch holding hooks, the hooks of each set being spaced apart to permit the transferring devices to engage the bunches between the hooks to withdraw the bunches from the hooks and feed them forward, and means for moving the conveyor.

1,538,083. OIL BURNER. THOMAS A. BIGGS, Sioux City, Iowa. Filed Nov. 3, 1923. Serial No. 672,678. 8 Claims. (Cl. 158—96.)



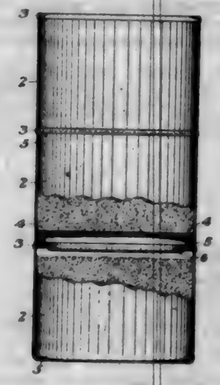
7. In an oil burner, a container, and an air flue including a rotatable vertical section at the side of the container, a return-bend section having one end portion telescoping the vertical section and the other end directed toward the enclosure, the telescoping end of one of said sections being helical, and a projection on the telescoping end portion of the other section engaging said helical end, whereby rotation of the vertical section raises and lowers the return-bend section.

1,538,084. VENTILATED CLOSET BOWL. LOUIS ARTHUR BIRCH, Minneapolis, Minn. Filed Aug. 20, 1924. Serial No. 733,097. 1 Claim. (Cl. 4—72.)



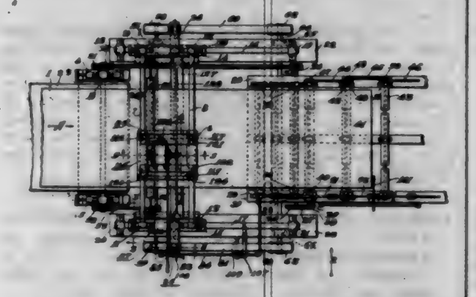
A closet bowl having a perforated water-flushing passage extended in and around its rim portion and provided with an air outlet port opening into the rear portion of the bowl immediately below said flushing passage and at one side of the longitudinal axis of the bowl, said bowl further having a water-flushing nozzle with a discharge passage, the delivery portion of which is located lower down than said air outlet port approximately on the longitudinal axis of the bowl and is obliquely extended so as to direct a flushing stream under the said air outlet port.

1,538,085. CONTAINER. LEWIS C. BROOKS, Milwaukee, Wis., assignor to The National Paper Can Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Apr. 18, 1923. Serial No. 632,840. 3 Claims. (Cl. 220—4.)



1. A container adapted to be stacked with similar containers of the same size, having one face provided with a closure retainer and an opposite face provided with a ridge adapted to lie in the closure retainer of an adjacent container, substantially as described.

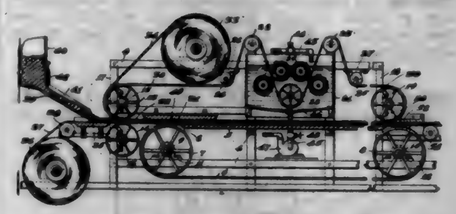
1,538,086. MACHINE FOR CUTTING PLASTER BOARD. GEORGE A. BUTTRESS, Los Angeles, Calif., assignor to Buttress Manufacturing Company, a Corporation of California. Filed Nov. 21, 1921. Serial No. 516,768. 8 Claims. (Cl. 143—47.)



1. In a machine for cutting plaster board, means for cutting a strip of plaster board into lengths while in motion, means for feeding the plaster board to the cutting means, means whereby said means for cutting the plaster board into lengths will be caused to move at the same speed at which the plaster board is traveling which includes an element engaging the front edge of the advancing plaster board, and means for accelerating movement of a length of plaster board severed from the main body of said plaster board to permit said element to engage with the front edge of said board.

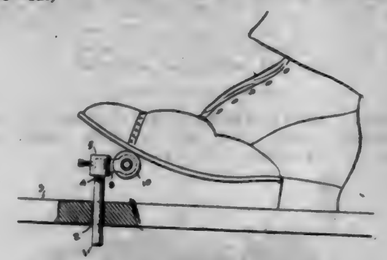
8. In a machine for cutting plaster board, means for advancing a strip of plaster board, means for severing the plaster board transversely, means for advancing the severing means in unison with the plaster board, and means engageable with the front edge of the advancing board cooperating with the means for advancing the severing means to cause said severing means to advance with the board a predetermined distance from the front edge of the board.

1,538,087. PROCESS OF MAKING PLASTER BOARD. GEORGE A. BUTTRESS, Los Angeles, Calif. Filed Dec. 1, 1922. Serial No. 604,283. 14 Claims. (Cl. 154—2.)



1. The process of making plaster board consisting in placing plastic material on an imperforate backing sheet of paper, laying a facing sheet of paper thereover having perforations, advancing the sheets and plastic material between moving endless belts and spaced forming rolls, maintaining a pressure on the formed plaster board after it has passed between said forming rolls so that said plastic material squeezed into said perforations will adhere to one of said belts that is in contact with said perforated facing sheet, further advancing said formed plaster board, and thereafter breaking the contact between said plaster adhering to said belt so as to produce a roughened and uneven surface on said plaster filling said perforations of said facing sheet.

1,538,088. ANTIFRICTION ACCELERATOR PEDAL. EMERSON B. CAMPBELL, Long Beach, Calif. Filed Sept. 11, 1923. Serial No. 662,063. 2 Claims. (Cl. 74—81.)



1. An improved pedal for automobile accelerators comprising a body portion provided with means for removably attaching the same to the pedal stem of an accelerator, and means carried by the body portion for supporting a pair of rollers with the upper surface of said rollers disposed above the plane of the body portion.

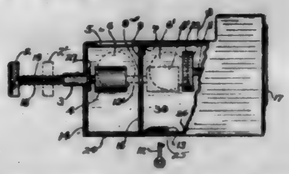
1,538,089. PROCESS FOR THE PURIFICATION OF PHOSPHORIC ACID. JOHN N. CAROTHERS and ARTHUR B. GERBER, Anniston, Ala., assignors to Federal Phosphorous Company, Birmingham, Ala., a Corporation of Alabama. Filed Mar. 23, 1922. Serial No. 546,162. 2 Claims. (Cl. 23—165.)

1. The herein described method of purifying phosphoric acid in highly concentrated form, which consists in chemically treating the acid to remove the major portion of the impurities contained therein, then aerating the treated acid while at a temperature of approximately 50° C. to remove volatile impurities, then separating the treated acid from the suspended and precipitated solids, then cooling the acid to a temperature at which crystals of phosphoric acid will form, and separating the crystals from the remaining liquids.

2. A method of purifying phosphoric acid produced in highly concentrated form from smelting operations, which consists in employing chemical treatment to re-

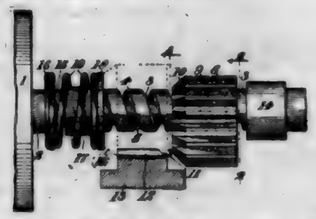
move a portion of the arsenic, lead, lime and fluorine impurities contained therein, then passing air through the acid to remove a portion of the volatile impurities, then removing the suspended solids, then cooling to a temperature at which crystals of phosphoric acid form, and then separating the solid phosphoric acid from the remaining liquid.

1,538,090. SAVINGS BANK. MENEFEE R. CLEMENTS, South Bend, Ind. Filed July 16, 1923. Serial No. 651,992. 2 Claims. (Cl. 194—84.)



1. In a combination, a base, a housing mounted thereon, a partition forming a deposit chamber, a coin tripping aperture and slot contained in said partition, means for locking and unlocking said deposit chamber, a twenty-four hour clock movement mounted in said housing, an extended winding shaft provided for said clock movement, a cylindrical shaped disk, a slot milled through said disc, said disc being mounted on end of said extending winding shaft, a bushing mounted in back portion of said housing, a small shaft passing therethrough, a slotted cylinder being mounted on inner end of said shaft, a spring being placed on outward end of shaft opposite outward end of said bushing, a winding key mounted upon said shaft holding said spring on said shaft between said bushing and said winding key, said shaft being free to move in a horizontal plane, always remaining at rest in an outward position from said clock movement by the compressed state of said spring mounted between said key and bushing on said shaft.

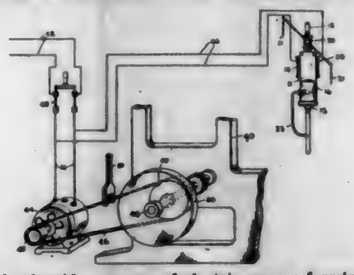
1,538,091. DRIVE MECHANISM. WILLIAM R. COBB, Berkeley, Calif. Filed Mar. 8, 1924. Serial No. 697,751. 12 Claims. (Cl. 74—7.)



1. In combination with a toothed driven member, a rotatable toothed driving member axially movable into and out of engagement therewith, said toothed driving member having a limited radial movement substantially equal to the depth of the teeth of the driving member when disengaged from the driven member to facilitate its engagement therewith.

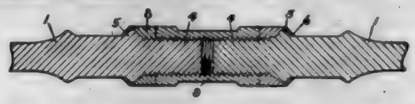
1,538,092. VALVE. HERBERT COHEN (now by judicial change of name Herbert Cole), New York, N. Y. Filed June 21, 1922. Serial No. 569,798. 2 Claims. (Cl. 84—18.)

2. The combination with operative mechanism, a power shaft, a belt operatively connecting said power shaft with said mechanism, a fixed pulley and an idle pulley on said mechanism adapted to receive said belt, means adapted to shift said belt from one of said pulleys to the other, and a fluid delivery device; of an automatic control for said fluid delivery device comprising in combination a fluid chamber, an inlet pipe into said chamber, an outlet pipe leading from said chamber to said fluid delivery device, a valve located in said chamber controlling the outlet therefrom and adapted to close said outlet by gravity, a solenoid, a plunger in said solenoid operatively connected with said valve and adapted when said solenoid is energized to be raised and thereby open said valve and when said solenoid is deenergized to fall by gravity and close said valve, an electric circuit leading



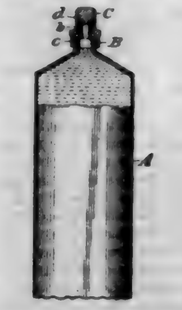
to said solenoid, a source of electric energy forming part of said circuit, a switch in said circuit, and devices operatively connecting said switch with said belt-shifting devices so that, when said belt is running upon said fixed pulley said switch shall be closed and said solenoid energized, but when said belt is running upon said idle pulley said switch shall be open and said solenoid deenergized.

1,538,093. SUCKER ROD. DUDLEY R. DALE, Toledo, Ohio, assignor to The S. M. Jones Company, Toledo, Ohio, a Corporation of Ohio. Filed May 26, 1923. Serial No. 641,862. 2 Claims. (Cl. 287—117.)



1. In an oil well jointed sucker rod, each section of the sucker rod having threaded pins, and enlarged portions forming shoulders, sleeves surrounding the base of the pins and having feathered edges crimped down over the shoulders to prevent rotation of the sleeves relative to the pins, means for connecting the sections together, the said sleeves having a diameter greater than the other parts of the sucker rod and forming bearing parts for the sucker rod.

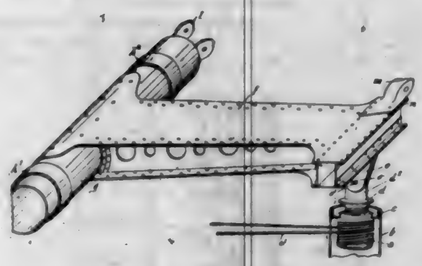
1,538,094. CONTAINER AND CLOSURE THEREFOR. WALTER T. DAVIS, Wheeling, W. Va., assignor to Wheeling Stamping Company, Wheeling, W. Va., a Corporation of West Virginia. Filed Apr. 4, 1923. Serial No. 629,846. 2 Claims. (Cl. 221—60.)



2. A container provided with an integral discharge neck having a screw-threaded end portion adapted to be secured directly into an opening through which it may

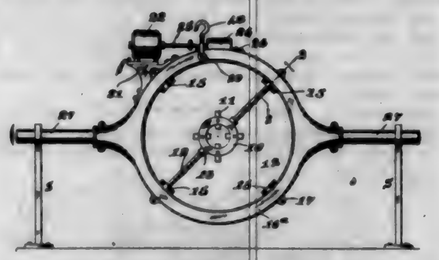
be desired to discharge the contents of the container and having a screw-threaded portion adjacent thereto of greater diameter, and a cap internally screw-threaded for cooperation with said screw-threaded neck-portion of greater diameter and constructed to cover said end portion without engaging the threads thereof, substantially as described.

1,538,095. CONTROLLING DEVICE FOR VARYING THE INCIDENCE OF AEROPLANE STABILIZERS. EMILE DEWOITINE, Toulouse, France. Filed July 8, 1924. Serial No. 724,854. 4 Claims. (Cl. 244—29.)



1. A controlling device for varying the incidence of the stabilising planes in aviation apparatus, comprising a nut revoluble in the frame of the apparatus, means for controlling the rotation of the said nut, a screw disposed within the said nut, a lever pivoted at one end to the aviation apparatus, means connecting the other end of the said lever with the said screw, and means securing the said lever to the stabilizing planes.

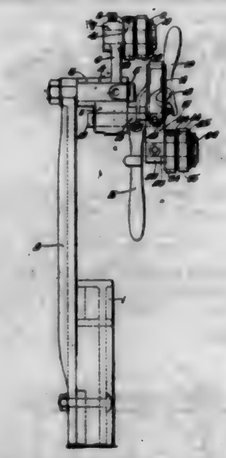
1,538,096. PORTABLE POWER ATTACHMENT FOR HAND STOCKS AND PIPE DIES. STEPHEN CORNELIUS DOBBRING, Houston, Tex. Filed July 1, 1922. Serial No. 572,244. 2 Claims. (Cl. 10—89.)



2. In combination, a ring gear, means on the inner periphery of said gear to which spoke-like members may be secured, a housing within which said gear is mounted, said gear having inwardly directed opposed ledges which are received within annular grooves in the sides of the gear, means for driving said ring gear including a gear meshing with the ring gear, and extending through the housing, said housing having radial arms by means of which the same may be supported.

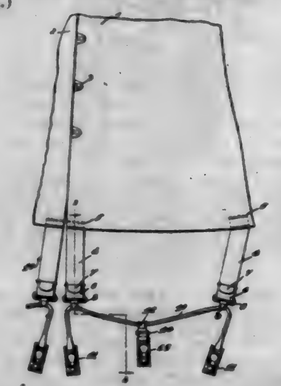
1,538,097. HARNESS MECHANISM FOR LOOMS. CLARE H. DRAPER, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed June 3, 1924. Serial No. 717,527. 4 Claims. (Cl. 139—87.)

2. A harness mechanism for looms having, in combination, a support, a main lever pivotally mounted on the support, one arm of which carries a plurality of harness strap attaching means, another lever pivotally mounted on the arm of the main lever and carrying a plurality



of harness strap attaching means, one of said levers having means by which it may be broken for leveling the harnesses.

1,538,098. HOSE SUPPORTER. ELWOOD P. DUFFY, Arvada, Colo. Substitute for application Serial No. 178,619, filed July 5, 1917. This application filed Mar. 13, 1923. Serial No. 624,751. 1 Claim. (Cl. 241—1.)

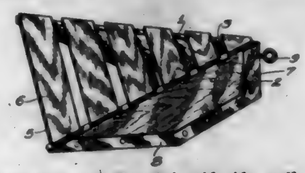


The combination with a corset; of depending elastic straps attached to the lower edge of the corset near the front and at a point spaced rearwardly therefrom on both sides of the corset, guides carried by the lower ends of said straps, two flexible elements freely slidable longitudinally in said guides and arranged at opposite sides of the corset, hose engaging means carried by the ends of said flexible elements to engage the stockings at the front and rear thereof, a rider slidable on each flexible element between said guides, and hose engaging means carried by the riders to engage the sides of the stockings.

1,538,099. DITCHING PLOW. FLOYD E. DUNCAN, Escondido, Calif. Filed Sept. 28, 1922. Serial No. 591,091. 5 Claims. (Cl. 37—98.)

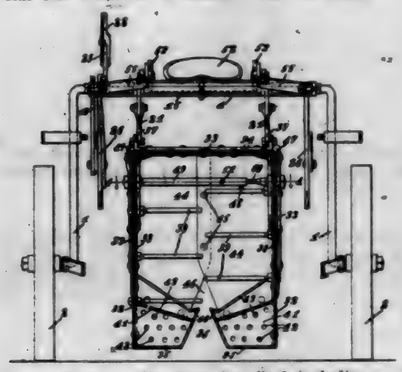
1. A ditching plow, including side wall members secured together at their head end and forming a substantially acute angle with each other, said side wall

members being cut away at an angle at their lower rear portion forming upwardly inclined rear lower scraping edges whereby said ditching plow is supported entirely



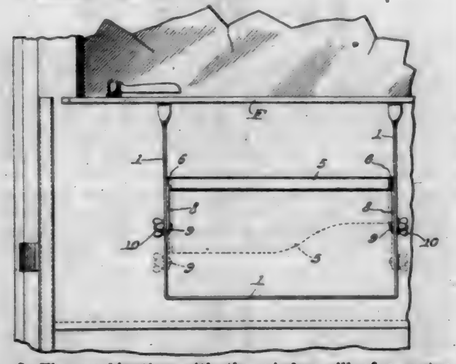
on the front lower portions of said side wall members, and a platform secured to said side walls at their upper portions.

1,538,100. BOLL-WEEVIL CATCHER. JOHN H. DYKES, Donalsonville, Ga. Filed Sept. 26, 1924. Serial No. 740,074. 2 Claims. (Cl. 43—133.)



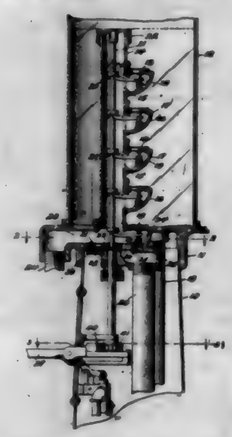
1. A device of the class described including a wheel supported frame, a vertically adjustable housing top supported from the frame, side walls hingedly connected to the sides of the top and depending therefrom, a telescopic connection between the upper portions of the walls for holding said walls fixed relative to each other at predetermined angles, troughs extending longitudinally along the inner sides of the side walls forming a plant receiving space therebetween, and agitating fingers extending toward each other from the side walls and above the respective troughs.

1,538,101. ARMREST. WEIR B. EBBELY, Mechanicsburg, Pa. Filed June 20, 1924. Serial No. 721,333. 2 Claims. (Cl. 296—1.)



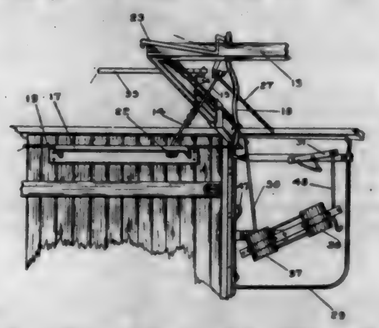
2. The combination with the window sill of a motor vehicle and a finishing strip mounted thereon, of a frame having out-turned terminals clamped between and concealed by the window sill of the finishing strip, an arm rest pivotally mounted between the sides of the frame and foldable downwardly between said ends and substantially flush therewith, each of said ends having a longitudinal slot provided, at its upper end, with a downwardly inclined extension, links pivotally connected to the ends of the arm rest, and clamping means carried by the links and slidable within the slot, said means being movable downwardly within the extension to support the arm rest in active position, said links being movable downwardly to position between the sides of the frame and the ends of the arm rest when said arm rest is folded into the frame.

1,538,102. GASOLINE-DISPENSING DEVICE. CHARLES S. FAIR, Fort Wayne, Ind. Filed Oct. 23, 1922. Serial No. 596,471. 7 Claims. (Cl. 221—100.)



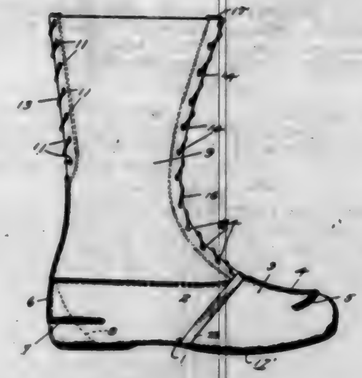
1. In a liquid dispensing apparatus, in combination, a container, a dispensing pipe, a vertical conduit within said container having its lower end in communication with said dispensing pipe, a series of vertically opening poppet valves supported by and controlling openings in said conduit, and single means for successively opening said valves.

1,538,103. AUTOMATIC DOOR OR GATE. MARTEN FANDERS, Diller, Nebr. Filed Apr. 20, 1923. Serial No. 633,491. 18 Claims. (Cl. 268—9.)



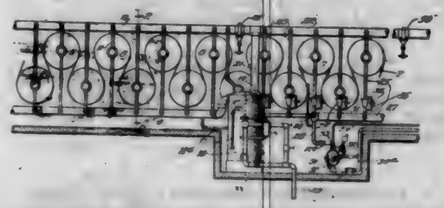
1. In combination with a swinging garage door having a latch for holding the door latched in closed position, a spring secured to the outside of the door and to the garage and normally exerting its tension in a door closing direction, a second spring secured to the door and to means for tensioning it to open the door, and means whereby the pressure of the automobile on the outside of the door first unlatches said latch and then actuates said tensioning means to cause said second spring to open the door.

1,538,104. MOCCASIN. JOSEPH F. FOSTER, Jackman, Me. Filed Mar. 20, 1923. Serial No. 626,827. 1 Claim. (Cl. 36—11.)



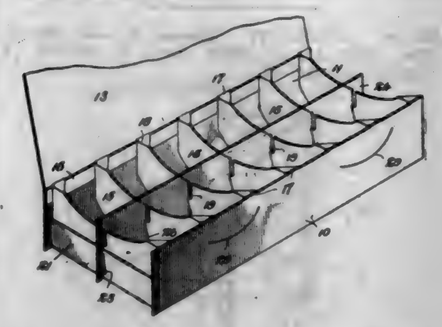
A moccasin of the class described having a sole and upper formed of a single blank of material, cut and stitched together to provide a T-shaped seam in the rear above the heel portion and a longitudinal and two lateral oppositely disposed seams on the vamp portion thereof, quarters having their lower edges stitched to the top edge of the upper of said moccasin, said quarters having their rear edges secured together for a short distance upwardly from the upper of the moccasin, the remaining portions of the rear edges and the front edges of said quarters being open, means for connecting the opened back and rear edges of said quarters, and a strip encircling the sole and upper portions of said moccasin and extending over the vamp portion thereof, as and for the purposes described.

1,538,105. HEATING AND DRYING APPARATUS. WILLIAM B. FULTON, Middletown, Ohio. Filed May 6, 1921. Serial No. 467,343. 13 Claims. (Cl. 34—48.)



13. A drier system, comprising a primary group of driers, a secondary group of driers, means for supplying steam under pressure to the secondary group, means for discharging water of condensation from the secondary group and for conducting steam and air from the secondary group to the primary group, a receiver connected to said means, and a valve so located that steam is supplied to all of the secondary driers before it reaches said valve and that it controls the pressure of the steam passing to all of the driers of the primary group, thus being adapted to maintain a difference in pressure between the secondary group and the primary group.

1,538,106. EGG CARTON. GEORGE S. GAYLORD, Menasha, Wis., assignor to Menasha Printing & Carton Co., Menasha, Wis., a Corporation of Wisconsin. Filed Dec. 21, 1923. Serial No. 681,910. 5 Claims. (Cl. 229—29.)



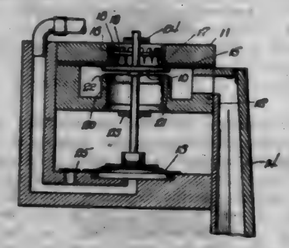
1. A carton including sides, a bottom, a plurality of transverse partitions and an end extension on the bottom all formed from a single blank, a separately formed longitudinal partition interfitting with said transverse partitions to divide the carton into cells, and a single means on said longitudinal partition having interlocking engagement with one of said transverse partitions and with said end extension.

1,538,107. PISTON RING AND METHOD OF MAKING THE SAME. HUGO A. GILLES, Elmhurst, N. Y. Filed Dec. 31, 1921. Serial No. 526,139. 13 Claims. (Cl. 74—109.)



5. A unitary concentric piston ring split to permit expansion having an eccentric groove in the inner surface thereof, and a relatively soft metallic packing which is forced into said groove in such manner that it is frictionally held therein throughout its length.

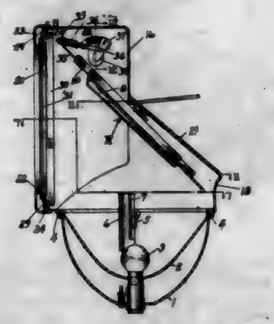
1,538,108. VALVE-SEAT CONSTRUCTION. JAMES CLARKE HAGEY, Chicago, Ill., assignor to The Cable Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 12, 1923. Serial No. 612,255. 7 Claims. (Cl. 251—167.)



2. A valve-seat construction comprising a port-member having a valve-port therein, a facing of sheet material secured to said port-member, said facing having a valve-seat portion outside and surrounding said valve-port and a plurality of tongues extending from said

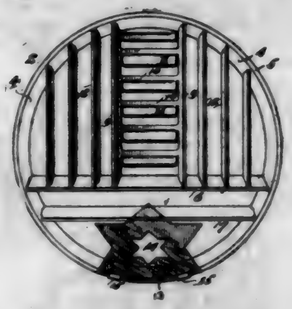
valve-seat portion into said valve-port, and means for holding said tongues pressed against the wall of said valve-port, said means comprising a member having an annular portion for engaging said tongues.

1,538,109. HEADLIGHT. BERNARD HANSON, Martin, Ohio. Filed Apr. 11, 1923. Serial No. 631,277. 6 Claims. (Cl. 240—41.)



6. In a headlight, a source of light, a main reflector for vertically projecting light rays from said source and a second reflector over the main reflector and including a substantially elliptical member having a flat faced marginal portion to receive and project the outer light rays received from the main reflector in a horisontal beam and having a central portion the opposite sides of which are curved outwardly and meet in a line disposed along the longitudinal axis of the second reflector to divide the central rays received from the main reflector and to spread same laterally to opposite sides of the headlight, the ends of the line of the curved portions terminating at the ends of the central portion.

1,538,110. AUTO HEADLIGHT-DEFLECTOR DEVICE. CHARLES A. HARTMANN, Newark, N. J. Filed Feb. 16, 1924. Serial No. 693,278. 2 Claims. (Cl. 240—48.4.)



1. In a headlight deflector construction, a ring-like body, horizontal deflecting strips extending across said body in spaced relation to the lower point thereof and disposed forwardly at a downward incline, vertically disposed deflecting strips extending upwardly from the upper one of said horizontal strips and having their upper ends anchored to said body, the last-mentioned horizontal strip being positioned below the center of the space enclosed by the ring-like body, and horizontal deflector strips extending between certain of said vertical strips and disposed in spaced relation to each other from a point adjacent the upper point of said body to a point adjacent the upper horizontal strip.

1,538,111. ABRASIVE ARTICLE. MINER L. HARTMANN, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Sept. 29, 1923. Serial No. 665,724. 3 Claims. (Cl. 51—279.)

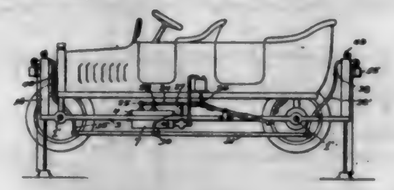
1. An abrasive article consisting of abrasive grains united by alumina cement composed substantially of mono-calcic aluminate.

1,538,112. CARRYING CASE FOR MACHINE-GUN BARRELS. WERNER CHRISTIAN LARSEN HAUBROE, Copenhagen, Denmark. Filed Sept. 8, 1924. Serial No. 735,549. 1 Claim. (Cl. 150—52.)



Carrying case for barrels for machine guns with exchangeable barrel, characterised by a case *a* of leather or other suitable material into which there is inserted a metal tube *b* fitted at both ends with an outwardly directed flange *c* with holes *d*, each flange being fitted with a collar *e* attached to the case *a*, in the bottom of which several holes *f* are provided, air being free to circulate by way of the holes *d* and *f* whereby the heated barrel inserted in the tube *b* will be cooled.

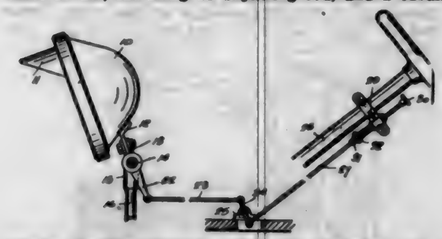
1,538,113. APPARATUS FOR RAISING VEHICLES. TIRSO GONZÁLES Y HERNANDEZ, Sagua la Grande, Cuba. Filed June 1, 1922. Serial No. 565,173. 5 Claims. (Cl. 138—9.)



1. An automobile jack comprising a frame arranged for attachment to an automobile chassis to be carried thereby, a pneumatic jack mounted on said frame and means including an automobile wheel actuated mechanism to compress air and supply compressed air to the jack.

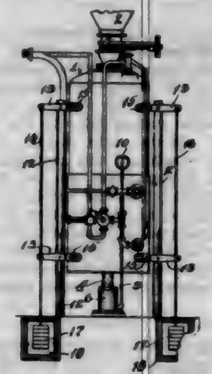
1,538,114. AUTOMOBILE HEADLIGHT. ALFONSO HOFFMAN, Columbus, Ohio. Filed Oct. 13, 1924. Serial No. 743,336. 1 Claim. (Cl. 240—61.)

A device of the character described including a pair of lamp casings, a shaft, means for adjustably clamping the said lamp castings upon the shaft, a pair of supporting uprights having upper heads through which the ends of the shaft are journaled, coacting means carried by the shaft and the said standards to limit rocking movement of the shaft, and connections for rocking the shaft in use, including an adjusting rod, and a tubular



bearing member through which the adjusting rod is extended, having manually regulated means for frictionally gripping the rod to hold the same and the lamp supporting shaft in adjusted position.

1,538,115. WEIGHING APPARATUS FOR POWDERED FUEL. FRITZ HOVING, Chicago, Ill., assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill., a Corporation of Illinois. Filed May 22, 1922. Serial No. 562,854. 5 Claims. (Cl. 265—47.)



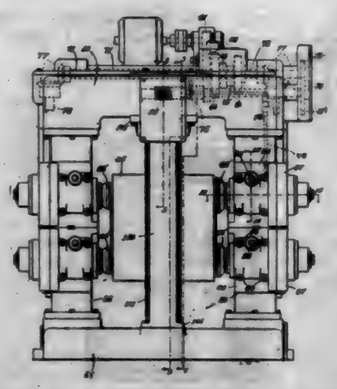
1. In a device of the class described, a tank, a series of uprights surrounding said tank levers pivoted upon said uprights, one end of each of said levers being pivotally connected to the tank, weights connected to the other ends of said levers and counterbalancing said tank, and a weighing apparatus for indicating the difference between said counterbalancing and the weight of said tank and contents.

1,538,116. HEATING FURNACE. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed Mar. 1, 1922. Serial No. 540,217. 13 Claims. (Cl. 263—15.)



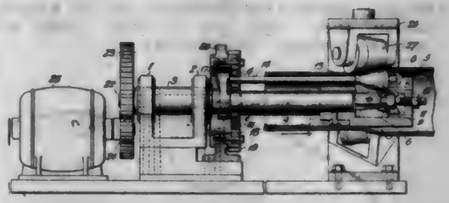
1. The combination, with a heating furnace having uni-directional flow of combustion products therethrough, of means extending transversely thereof for regeneratively heating the air used to support combustion of fuel in said furnace.

1,538,117. DRUM TYPE MILLING MACHINE. JOHN R. JOHNSON, Rockford, Ill., assignor to The Ingersoll Milling Machine Company, Rockford, Ill., a Corporation of Illinois. Filed Mar. 10, 1924. Serial No. 698,053. 30 Claims. (Cl. 90—20.)



1. In a milling machine, in combination, a rotary work-carrying drum, cutter spindles located for milling work on opposite ends of the drum, a worm wheel fixed to the drum intermediate its ends and circumscribing its work-carrying portion, a driving worm meshing with the worm wheel, and a protective housing for the worm wheel serving also for taking side thrust thereof.

1,538,118. APPARATUS FOR MAKING SEAMLESS TUBES. MORRIS W. KELLOGG, Brookville, N. Y., and EMIL F. HOLINGER, Jersey City, N. J., assignors to The M. W. Kellogg Company, a Corporation of Delaware. Filed Apr. 6, 1923. Serial No. 630,288. 5 Claims. (Cl. 80—13.)



5. Apparatus for making seamless tubes comprising inner and outer rolls for operating upon opposite adjacent surfaces of the wall of a cylindrical blank, and means for positively rotating the inner roll about a stationary axis which is oblique to that of the blank, said rolls having portions of progressively varying diameters, adapted to simultaneously reduce the thickness of said wall and to bend the same to change the inner and outer diameters of the blank in the same radial directions.

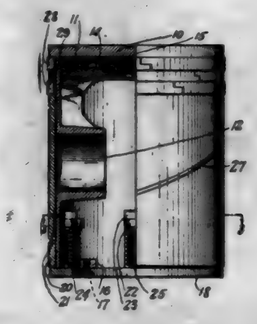
1,538,119. BROOCH. CLIFFORD G. KING, Providence, R. I. Filed June 26, 1924. Serial No. 722,577. 15 Claims. (Cl. 24—150.)



1. A blank for use in the manufacture of pins comprising a member having a portion thereof adapted to be shaped so as to form pin tongue pivoting means, a portion thereof adapted to be shaped so as to form

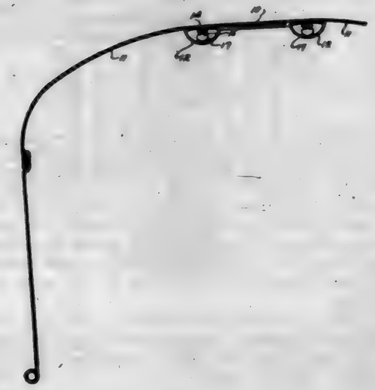
pin tongue point retaining means, and a portion thereof adapted to be shaped to form bridge means adapted to cooperate with the pin tongue to firmly retain the pin to the fabric, when the pin is assembled.

1,538,120. PISTON AND PISTON RING. HERMAN KIETNER, Elizabeth, N. J. Filed June 1, 1920. Serial No. 385,699. 5 Claims. (Cl. 74—108.)



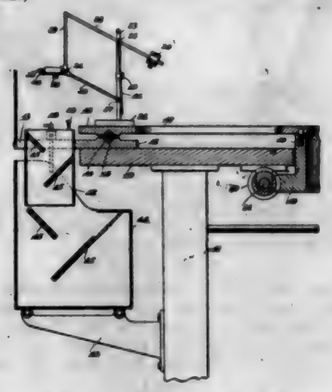
1. A piston including a hollow cylindrical body having slots opening through one end thereof and a head formed at the opposite end having an extended annular flange, a sleeve slidable on said body exteriorly thereof and overlying said slots, packing rings disposed between adjacent surfaces of said flange and the end of said sleeve, a ring secured to the end of said body opposite the head and closing the open ends of said slots, and means arranged in said slots between said sleeve and said ring to press said sleeve toward said flange.

1,538,121. HINGED CONNECTION. ROY W. KUMLER, Detroit, Mich. Filed Apr. 11, 1923. Serial No. 631,278. 7 Claims. (Cl. 16—128.)



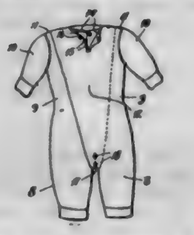
1. In a hinged connection, in combination, two panels hinged together to permit swinging movement of one panel relative the other, said panels having in-turned edges adjacent the hinge joint, and yieldable means engaging said panels at the joint to exert pressure thereon to hold them apart.

1,538,122. WEIGHING AND SORTING MACHINE. JOHN C. KURTZ and JOSEPH J. MCCABE, Rochester, N. Y., assignors to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 2, 1922. Serial No. 533,565. 7 Claims. (Cl. 130—32.)



1. In a weighing and sorting machine, the combination of weighing means comprising a material holder, a plurality of pivotally connected links permanently secured at each point of connection and carrying said holder and provided with means for resisting movement of the latter in proportion substantially to the weight of material supported thereby, said linkage being arranged to transmit the weight of the material uniformly in all portions of the material on the holder, a plurality of receptacles provided with means arranged differentially relative to one another for transferring material to said receptacles from said holders in different positions of the latter, and mechanism for moving said weighing means past said receptacles to bring said parts into selective cooperation with said holders.

1,538,123. COMBINATION UNDERGARMENT. MATHILD K. LAMPING, Chicago, Ill. Filed Dec. 18, 1922. Serial No. 607,475. 2 Claims. (Cl. 2—78.)

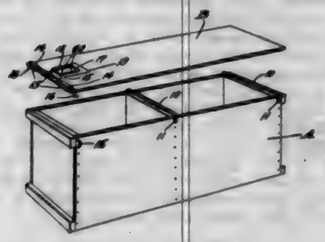


2. A combination garment composed of two separate units, each unit comprising a body portion extending partly around the body and over both shoulders and an arm opening and a leg portion, the shoulder portion in each unit having a substantially complete neck opening therein, the front margins of each body portion extending diagonally from the shoulder adjacent the arm opening in the other unit to the crotch.

1,538,124. CRATE-TOP-HOLDING MEANS. CHRISTIAN LARSON, Santa Rosa, Fla. Filed Jan. 15, 1924. Serial No. 686,880. Renewed Feb. 10, 1925. 8 Claims. (Cl. 217—56.)

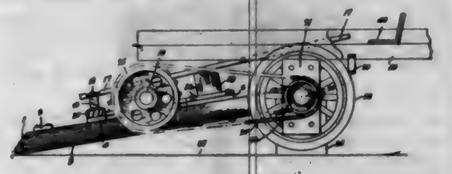
1. Means for holding a cover upon a crate, consisting of retaining members carried by the crate and beneath

which the cover is slidably engaged, staples projecting from the sides of the crate at one end thereof, and a



locking rod journaled transversely of one end of the cover and terminating in hooks engageable within said staples.

1,538,125. WINDING DEVICE. JOHN E. LONG, Havelock, Nebr. Filed Dec. 17, 1923. Serial No. 681,200. 2 Claims. (Cl. 242—85.)



1. In a device of the class described, a frame, a shaft journaled on the frame intermediate the ends of the frame, clutches carried by the shaft, drums journaled on the shaft and having clutches adapted to engage with the clutches of the shaft, the drums being movable on the shaft longitudinally thereof, the drums being adapted to have flexible elements wound about them, an arched support carried by the frame, pairs of rollers journaled in the support, the rollers of the pairs being adapted to have flexible elements extended between them, levers fulcrumed on the frame and extended through the support, and means carried by the levers for shifting the drums longitudinally of the shaft.

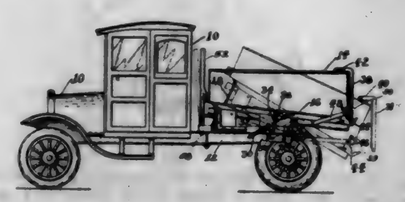
1,538,126. TAPPET VALVE. JOHN P. LORENZ, St. Paul, Minn. Filed Apr. 20, 1923. Serial No. 633,436. 7 Claims. (Cl. 123—188.)



1. In a valve having a stem and a beveled head on said stem, a bearing adapted to cover the beveled surface of said head and a flange formed on said head to surround and engage the outer edge of said bearing.

1,538,127. DUMP TRUCK. ANDREW B. MCKINLEY and ALBERT HURLEY, Louisville, Ky., assignors to Continental Car Company of America, Louisville, Ky., a Corporation of Kentucky. Filed Feb. 16, 1924. Serial No. 693,357. 2 Claims. (Cl. 298—10.)

1. The combination with a motor vehicle having side frame members; of a pair of angle irons supported above said side frame members each with one leg vertical and the other projecting horizontally inward to form guide rails, a dump body having a floor and a pair of supporting sills beneath the floor and running longitudinally of the body, and a pair of supporting and rocker rails each having an upturned forward end se-



cured to the forward part of a respective sill and an upwardly curved rear rocker portion secured at its extremity to said sill, the intermediate portion of each rocker rail being rectilinear and normally resting flat on the horizontal flange of a respective guide rail.

1,538,128. POWER-CONTROL DEVICE FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES G. MACLAREN, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Jan. 28, 1925. Serial No. 5,829. 22 Claims. (Cl. 243—20.)

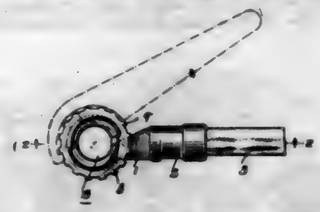


1. Pneumatic dispatch apparatus comprising a conduit and an exhauster connected therewith, a controlling valve located in the conduit, a minimum flow of air through the conduit being permitted when the valve is in closed position, a pneumatic exposed at one side to the pressure obtaining in the conduit and permanently exposed at the opposite side to atmosphere pressure, said pneumatic being adapted to open the air controlling valve when the pressure within the conduit is reduced due to the checking of said minimum flow by introducing a carrier into the conduit, and means responsive to increased flow of air through the conduit such as occurs when the carrier is discharged for equalizing the pressure upon opposite sides of the pneumatic to permit the valve to close.

1,538,129. BATTERY TERMINAL. THEODORE CARL MASTERS, New York, N. Y. Filed Jan. 12, 1922. Serial No. 528,784. 8 Claims. (Cl. 173—269.)

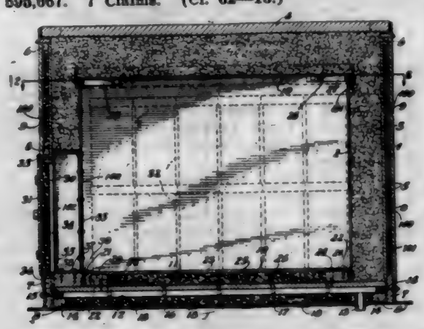
1. A battery terminal which comprises a split sleeve to be placed over a battery post, cam-shaped outer walls

on said sleeve, a collar, and cam-shaped inner walls on the collar to engage with the walls of the sleeve when



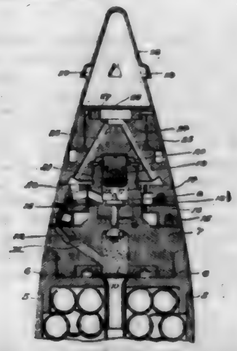
the collar is placed thereon to clamp the sleeve on the post when the collar is moved on the sleeve in a given direction.

1,538,130. REFRIGERATING TANK. FREDERICK MEYER, Buffalo, N. Y. Filed Oct. 19, 1922. Serial No. 595,667. 7 Claims. (Cl. 62—13.)



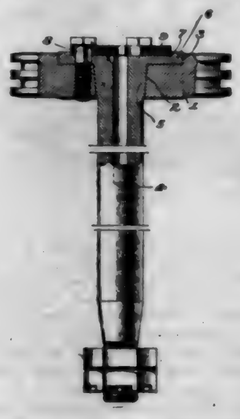
1. A refrigerating tank comprising a casing, an ice cream receptacle enclosed therein, an ice chamber being formed by the walls of said casing and receptacle, said ice chamber having a perforate bottom which provides support for said receptacle, a supporting element secured to said casing, a drip pan arranged below said bottom, and a frame secured to said supporting element and serving for the attachment of said drip pan and the support of said bottom.

1,538,131. TIME FUSE. ALTEN S. MILLER, Baltimore, Md. Filed June 25, 1924. Serial No. 722,369. 6 Claims. (Cl. 102—36.)



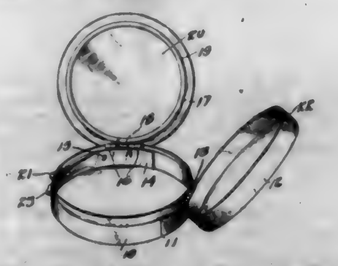
5. The combination of a shell having an explosive charge; a body member swiveled on said shell; a time powder train mounted to turn with said body member; a concussion primer mounted in said body member and arranged to ignite the powder at the beginning of said train; and a second timing member including a second time powder train adjustable relatively to said shell and to said body member, and serving in a given adjustment relatively to the shell to transmit flame to said charge directly from chosen points in the length of the first train according to the concurrent relative adjustment of the body member thereto, and serving in a given adjustment relatively to said body member to transmit flame to said charge from the end of said first train through chosen lengths of the second train according to the concurrent adjusement of the second timing member relatively to the shell; and pressure regulating means controlling the discharge of the gases evolved by the trains when burning.

1,538,132. PISTON. BLYTHE J. MINNIS, Watertown, N. Y., assignor to The New York Airbrake Company, a Corporation of New Jersey. Filed Jan. 16, 1925. Serial No. 2,823. 3 Claims. (Cl. 74—108.)



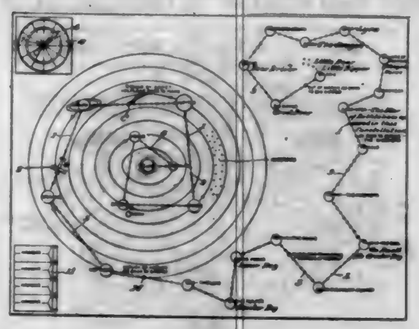
1. In combination, a piston head having an axially disposed tapered opening extending therethrough, and likewise having a recess formed in that face adjacent the larger portion of said tapered opening; a piston rod having a tapered neck fitting within said tapered opening, and a laterally extending head seated within the recess; and means for securing the said heads together.

1,538,133. VANITY CASE. SIMON MORRISON, Brooklyn, N. Y. Filed Mar. 8, 1924. Serial No. 697,840. 6 Claims. (Cl. 132—83.)



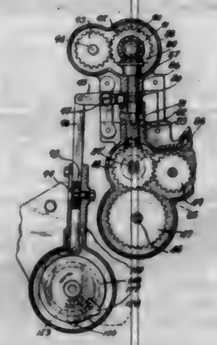
1. In a vanity case, a box having a cylindrical wall, a cover hinged to one side of the box, an arcuate support lying against a part of said wall, an annulus hinged to the support approximately 90° from said cover, and a mirror on said annulus, substantially as set forth.

1,538,134. GAME. CHARLES S. MUIR, Chevy Chase, Md. Filed Dec. 23, 1922. Serial No. 608,720. 4 Claims. (Cl. 273—134.)



2. A game including a diagram of celestial bodies extending continuously from the celestial body nearest the starting-point, as the sun, thence to the next nearest celestial body, and finally to the most remote body, means for indicating the player's move, and a movable object adapted to be moved to the place defined by the indicating device.

1,538,135. CONVEYING MACHINE. CHARLES H. NITSCH, Logan, and THEODORE A. FEDERWITZ, Nicetown, Pa., assignors to Stokes & Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Original application filed Dec. 2, 1921, Serial No. 519,418. Divided and this application filed July 9, 1923. Serial No. 650,200. 16 Claims. (Cl. 198—76.)

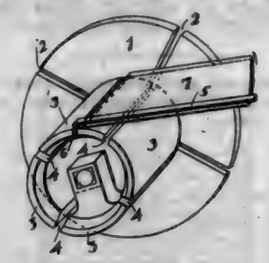


1. In an apparatus of the class described, means for conveying articles from an article receiving to an article delivering station, means for intermittently operating the conveying means to provide therein periods of rest or dwell and periods of activity or motion, and means to inversely vary the duration of the periods of dwell with respect to the duration of the periods of motion.

16. In apparatus of the class described, a conveyer, means to move the conveyer with alternating periods of movement and rest, means to inversely vary the relative duration of such periods, and means to drive the conveyor moving means at varying speeds.

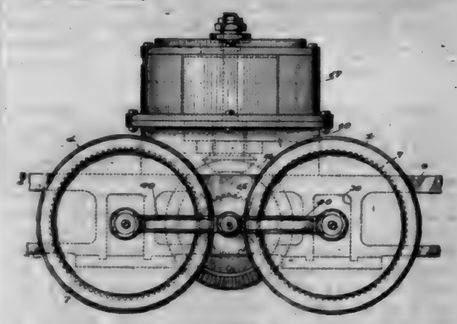
1,538,136. METHOD OF WINDING A COIL OF WIRE. WILLIAM A. PRENTISS and HUGO POSTSCH, Holyoke, Mass. Filed Nov. 25, 1924. Serial No. 752,252. 9 Claims. (Cl. 242—25.)

1. The method of forming a coil of wire which consists in temporarily connecting the inner end of the coil to the hub of a winding spool, then inserting a flexible member beneath the inner end, then rotating the spool to wind the coil onto the spool and simultaneously



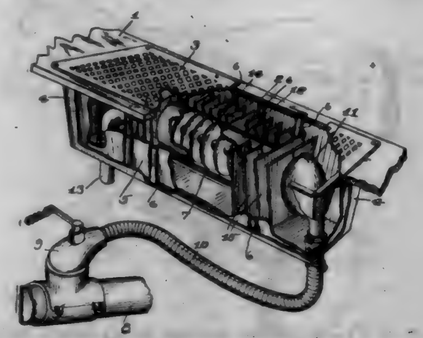
wrap the flexible member about the hub of the winding spool, hereby the opening of the finished coil is provided with a lining.

1,538,137. ELECTRIC LOCOMOTIVE. JOHN PAUL SHAMBERGER and CLARENCE H. SLATTON, Omaha, Nebr. Filed Nov. 20, 1923. Serial No. 675,856. 8 Claims. (Cl. 105—109.)



1. In an electric locomotive, a truck including driving axles and a jack shaft located therebetween, a vertically disposed motor on said truck, a train of gearing connecting the armature shaft with one or more of the driving axles, and driving rods connecting the driving axles with the truck frame.

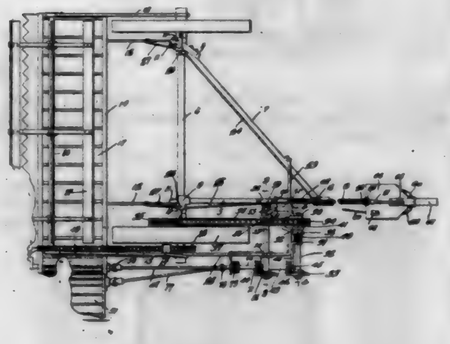
1,538,138. AUTOMOBILE HEATER. CARL SLOOP, Akron, Ohio. Filed June 23, 1923. Serial No. 647,274. 2 Claims. (Cl. 257—136.)



2. An automobile heater, including a double casing having spaced walls, means for drawing air through the space between the walls and into the interior of the

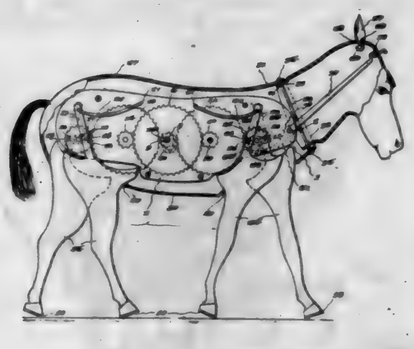
inner casing, a tubular member arranged within the inner casing, radiating fins carried by the tubular member and supporting the same, a spiral baffle centrally arranged in the tubular member, and means for causing the exhaust gases to pass through the tubular member.

1,538,139. HEADER ATTACHMENT. JAMES ARTHUR SPEER, Rosel, Kans. Filed Aug. 24, 1923. Serial No. 659,135. 2 Claims. (Cl. 56—187.)



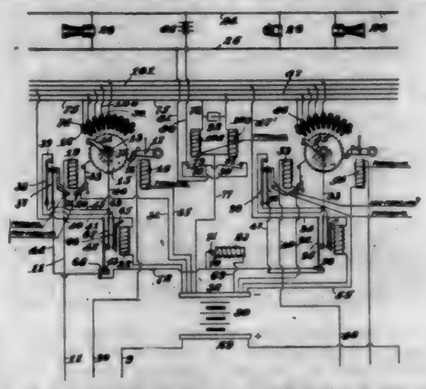
1. In a harvesting machine, a frame, a cutter bar, a conveyor operating at the rear of the cutter bar, a laterally extended conveyor to receive material from the first mentioned conveyor, shafts for imparting rotary movement to the laterally extended conveyor, shafts operating to transmit rotary motion to the first mentioned shafts, sprockets on the last mentioned shafts, clutch members operating to clutch the sprockets to the shaft, a steering wheel for the frame, and means controlled by the steering wheel and having connection with the clutch members for moving the clutch members to their inactive positions when the steering wheel is turned.

1,538,140. WALKING ANIMAL. JOHN SPELLING, Walla Walla, Wash. Filed Nov. 27, 1923. Serial No. 677,283. 10 Claims. (Cl. 46—40.)



7. In a toy of the class described having limbs, a frame, resilient means for yieldingly and pivotally attaching said limbs to said frame, and means independent of said resilient means for actuating said limbs.

1,538,141. TELEPHONE SYSTEM. ALTON E. STEVENS, Providence, R. I., and MAUDE L. STEVENS administratrix of said Alton E. Stevens, deceased. Filed May 28, 1921. Serial No. 473,469. 18 Claims. (Cl. 179—18.)



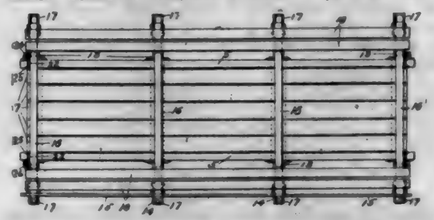
1. In a telephone system, a plurality of substations; means whereby any substation may become connected with any other substation for the purpose of communication; an auxiliary signalling circuit; an auxiliary answering circuit; and means of telephonic communication between said signalling and answering auxiliary circuits.

1,538,142. APPARATUS FOR SUPPORTING AND MANIPULATING POWER DRILLS. MICHAEL P. STRETAUSKY, Wilkes-Barre, Pa. Filed Aug. 14, 1924. Serial No. 732,106. 6 Claims. (Cl. 255—51.)



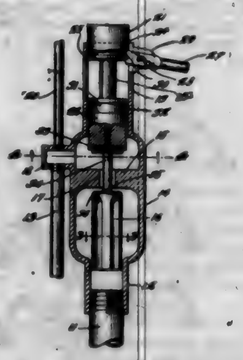
1. The combination of means for supporting an air drill including a table on which the drill is adapted to be supported, said table having at one end a member adapted to be shifted longitudinally thereof, and means for shifting said member, comprising a lever pivoted thereto and extending transversely of the table.

1,538,143. COMBINATION STOCK AND HAY RACK. JULIUS J. STROMBERG, Buffalo, Minn. Filed June 30, 1923. Serial No. 648,793. 5 Claims. (Cl. 296—6.)



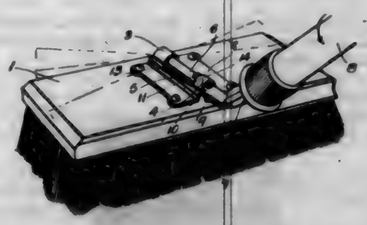
1. The combination with the side boards of a rack and stake pockets arranged thereon, of an auxiliary rack having transverse cross members adapted to rest on said side boards, and means for detachably securing said cross members to said stake pockets.

1,538,144. VALVE. STEPHEN STUCKY, Anniston, Ala., assignor of five-eighths to Joseph Saks, Anniston, Ala. Filed Apr. 12, 1924. Serial No. 706,150. 2 Claims. (Cl. 137—104.)



1. In combination, a valve casing having an enlarged central portion, a partition arranged therein and dividing said casing into upper and lower compartments, said partition having a central opening, a hollow extension projecting laterally from the casing and communicating with the compartment arranged above the partition, a pipe depending from said extension, an afterfill pipe rising from said extension, a float actuated valve operating within the casing above the partition, a pressure operated valve operating within the casing beneath the partition, and capable of being automatically seated against the partition when the float operated valve has been removed from the casing, and a connection between said valves whereby the latter are reciprocated in unison.

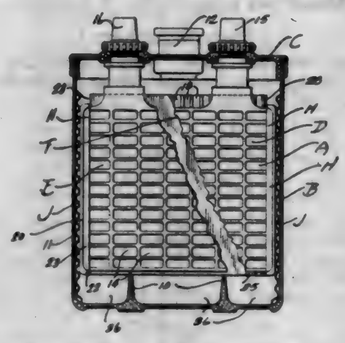
1,538,145. HANDLE CONNECTION. HERBERT M. STURGIS, Kansas City, Mo. Filed Dec. 8, 1923. Serial No. 679,842. 1 Claim. (Cl. 300—3.)



A brush handle connection comprising a socket plate having two end arcuate loops and a center arcuate loop, the latter loop being curved in a direction opposite to the first named loops and spaced from the first named loops to provide slots and a handle member consisting of a stem insertable through an end loop from either end of the plate, and having abutment lugs engaging the outer edge of an end loop upon insertion of said stem therein, and a locking lug engaging the inner edge of said loop to lock the handle and socket plate against axial separation, said slots being provided to receive the locking lug upon insertion of the stem and to permit free relative rotation of the stem and plate.

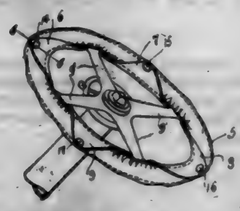
1,538,146. STORAGE BATTERY. DAVID R. TOOMAY, Braymer, Mo. Filed June 4, 1921. Serial No. 475,053. 8 Claims. (Cl. 136—29.)

4. A storage battery comprising in combination a cell, a plurality of positive and negative plates, separators of insulating material adapted for interposition between adjacent positive and negative plates and each having vertically disposed ribs to provide passageways between the separators and certain of said plates, and insulating holders to be disposed at the ends of a bank of plates, said holders having upper and lower flanges and longitudinally extending ribs between the flanges and providing



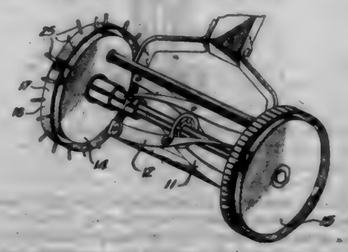
longitudinal pockets, said pockets adapted to receive the vertical edges of said plates, the ribs of said holders adapted to contact with the vertical side edges of said separators to retain the separators against individual movement and effectively partition adjacent plates from each other.

1,538,147. COVERING FOR AUTOMOBILE STEERING WHEELS. HARRY G. TRENCH and WALTER C. OSBORN, Hartford, Conn. Filed Dec. 8, 1923. Serial No. 679,418. 8 Claims. (Cl. 74—33.)



1. A covering device for a steering wheel comprising a piece of fabric material formed with a turned over edge, a strip of elastic material within the turned over part, the opposite edge of the piece having a plurality of substantially V-shaped portions for insertion between the spokes of the steering wheel, and detachable devices for securing the V-shaped portions to the body part of the fabric after being wrapped around the rim of the wheel as described.

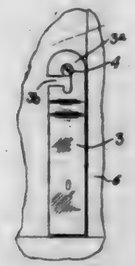
1,538,148. EMERGENCY TIRE. RALPH TRULLINGER, Los Angeles, Calif. Filed Apr. 30, 1923. Serial No. 635,560. 2 Claims. (Cl. 301—44.)



1. In an attachment for a lawn mower wheel, the combination of: a band adapted to be clamped around the periphery of a lawn mower wheel, said band con-

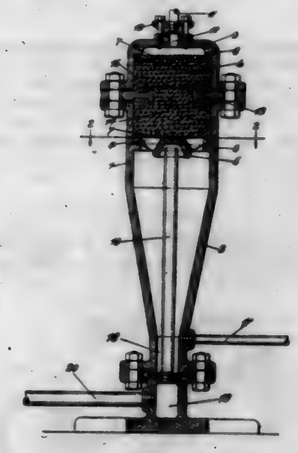
sisting of two overlapping portions adjustably secured together and having a plurality of holes therein, said portions having outwardly turned flanges through which bolts are extensible to constrict the band upon said wheel; and engagement members projecting radially outwardly through said holes.

1,538,149. WINDOW LOCK. FRANK A. WAHLIN, Chicago, Ill. Filed Feb. 9, 1924. Serial No. 691,612. 1 Claim. (Cl. 292—343.)



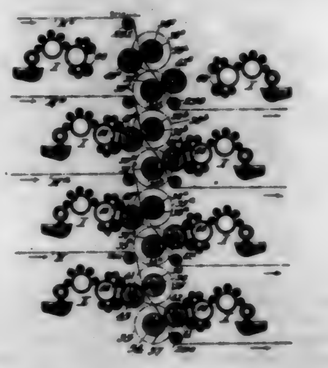
The combination with a window comprising a pair of relatively slidable sections and a frame therefor, of a stud upon one section spaced a distance from the side of said frame, and a locking device for said sections having a bayonet slot for receiving said stud, and an arcuate upper end of a radius corresponding to the said distance of the said stud from the side of said frame.

1,538,150. OIL SEPARATOR. EDWARD WILSON, St. Louis, Mo., assignor to Wilson Engineering Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 12, 1923, Serial No. 624,589. Renewed Apr. 8, 1925. 13 Claims. (Cl. 183—45.)



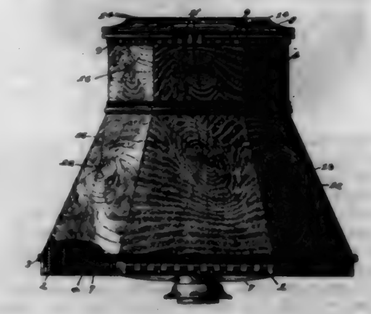
1. An oil separator, comprising a filtering chamber, a compressed fibrous filter in the filtering chamber, a baffle device extending into the filtering chamber, an oil reservoir below the filtering chamber, a pipe extending some distance into the oil reservoir, and means within the oil reservoir preventing oil from entering said pipe.

1,538,151. WEB-PRINTING PRESS. HENRY A. WISE WOOD, New York, N. Y., assignor to Wood Newspaper Machinery Corporation, New York, N. Y., a Corporation of Virginia. Original application filed Feb. 7, 1912, Patent No. 1,327,580, dated Jan. 6, 1920. Divided and this application filed Nov. 5, 1917, Serial No. 200,313. Renewed Mar. 20, 1924. 8 Claims. (Cl. 101—224.)



1. In a perfecting printing press, the combination of two printing couples each comprising an impression and a printing cylinder having the plate margins of the printing plates in position to simultaneously pass their respective points of impression, whereby twice in every revolution the web will be free of any impression and at liberty to move longitudinally, said perfecting printing couples being so located that the web passes directly from contact with one impression cylinder to contact with the next impression cylinder in a straight line without deviation therefrom.

1,538,152. LAMP SHADE. HENRY J. YORK, San Francisco, Calif. Filed Apr. 7, 1924. Serial No. 704,792. 4 Claims. (Cl. 240—108.)



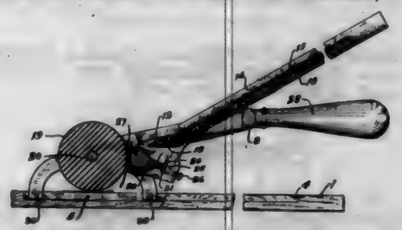
1. As an article of manufacture, a lamp shade comprising a plurality of panels connected together and adapted for mounting around a lighting element, said panel being made from very thin sections of wood cut transversely to a knot, the wood and knot being illuminated to varying degrees throughout the panel in accordance with the density and character of the wood to delineate a design formed by the natural grain of the wood; and an opaque filler applied in checks and cracks occurring in the knot to add to the design.

1,538,153. CIRCUIT CONTROLLER. WILLIAM ZABEL, deceased, late of Swissvale, Pa., by Bertha Zabel, executrix, Albany, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Original application filed Feb. 3, 1920, Serial No. 356,112, Patent No. 1,484,048, dated Feb. 19, 1924. Divided and this application filed Jan. 31, 1924. Serial No. 689,852. 1 Claim. (Cl. 246—253.)



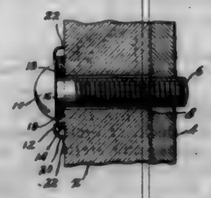
In a circuit controller for operation with a railway switch, a shaft operably connected with said switch, a hub rigidly secured to said shaft and provided with a rack on its periphery, a cam rotatable on said hub, a spindle on said cam, a gear on said spindle meshing with said rack, and means for locking said gear with respect to said spindle.

1,538,154. HECTOGRAPH. JULIAN D. ALEXANDER, Englewood, Colo., assignor to Alexander Film Company, a Corporation of Colorado. Filed Apr. 11, 1924. Serial No. 705,837. 9 Claims. (Cl. 101—133.)



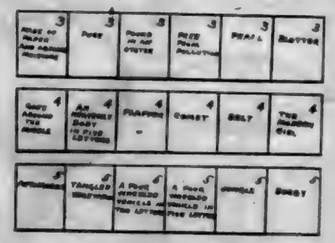
1. A duplicator comprising, in combination, a frame having two substantially parallel arms spaced from each other and connected at one end by means of a transverse member, a roller pivotally connected to the other ends of said arms, the adjacent sides of the arms being each provided with an elongated slot, the plane of the axis of which intersects the roller, a bearing block slidable in each of said slots, a second roller rotatably mounted in said blocks, means comprising a spring operatively associated with each block for producing a force tending to move the last-named roller toward the first-named roller, and a paper support operatively attached to said frame.

1,538,155. PADDED WASHER. LEON J. BARWOOD, Brookline, Mass. Filed Nov. 5, 1923. Serial No. 672,888. 4 Claims. (Cl. 85—50.)



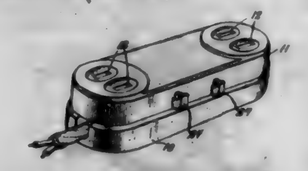
2. A padded ring washer comprising a ring element constituted of relatively hard material and a ring element constituted of relatively soft material, the ring element constituted of relatively hard material having a portion along its opening extending part way only into the opening of the ring element constituted of relatively soft material and embedded in the wall of the said opening of the ring element constituted of relatively soft material, whereby the ring elements are rigidly assembled together side by side in a unitary structure so as to be manipulated as a unit.

1,538,156. CARD GAME. VERNON D. BEATTY, Detroit, Mich. Filed Feb. 19, 1925. Serial No. 10,225. 5 Claims. (Cl. 273—152.)



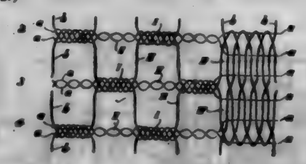
1. A card game, consisting of a selected number of cards, bearing diverse series markings, each series consisting of a plurality of pairs of cards, one of which contains a phrase and the other of which contains a single word synonymous with such phrase.

1,538,157. TABLE-SWITCH RECEPTACLE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 21, 1924. Serial No. 707,848. 4 Claims. (Cl. 200—51.)



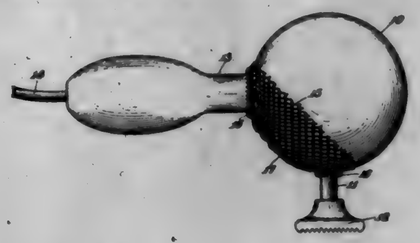
1. A table switch receptacle construction comprising an insulating pedestal having a flat portion for resting on the table, a pair of receptacle contacts for engaging a pair of cooperating contact blades, a pair of binding terminals, switch mechanism for controlling the circuit between said binding terminals and receptacle contacts, and a flat insulating cover for said receptacle contacts above said pedestal having a pair of entrance openings therein affording access to said contacts, said switch mechanism comprising a horizontally slidable manually operable push bar underneath and extending transversely of said cover and projecting therebeyond on both sides.

1,538,158. LACE WITH NETLIKE GROUNDWORK. EMIL BENTE and PAUL STUHLMANN, Barmen, Germany, assignors to MAX HENKELS, New York, N. Y. Filed Dec. 27, 1922. Serial No. 609,267. 4 Claims. (Cl. 96—24.)



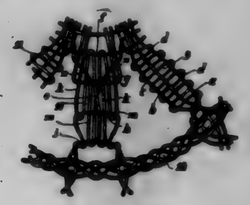
1. The method of producing braided lace with square meshes, which comprises forming spaced warp pillars, connecting said pillars at intervals by transversal bars, the latter consisting of but one thread, meandering between the adjacent pillars and interbraided with the pillar threads and the opposed meander threads at the overlapping sections, and the filling-in of meshes to form spots and various patterns by interlacing the pillar threads in a weftlike manner with a plurality of closely assembled transverse bars.

1,538,159. COOLING DEVICE. ROBERT S. BLAIR, Stamford, Conn. Filed Aug. 19, 1922. Serial No. 582,991. 7 Claims. (Cl. 172—36.)



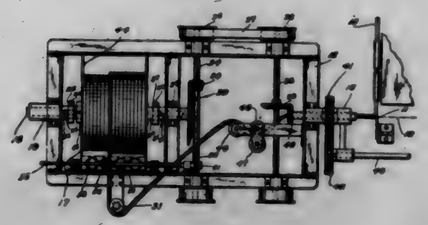
1. In a device of the class described, in combination, an electrical device adapted to be manipulated by hand, and means detachably secured about the surface thereof adapted to facilitate radiation of heat therefrom.

1,538,160. MACHINE-BRAIDED LACE. EMIL BÖSENBECK, Barmen, Germany, assignor to MAX HENKELS, New York, N. Y. Filed June 5, 1924. Serial No. 718,026. 6 Claims. (Cl. 66—24.)



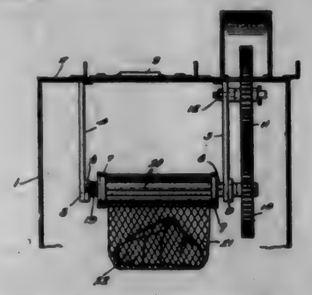
1. Method of producing braided lace wherein open spaces are filled with leaf-like patterns, the leaves extending in a direction substantially perpendicular to the longitudinal axis of the lace, which method comprises the arranging of sets of threads with arch-shaped sections within said open spaces, entering and leaving the leaves at one and the same end, and interbraiding said arch sections in a weft-like manner with transversal threads, the latter running substantially at right angles thereto.

1,538,161. TUBULAR ARMORING MACHINE. STEPHEN W. BOURN, Providence, R. I. Filed Nov. 8, 1923. Serial No. 672,660. 10 Claims. (Cl. 113—35.)



1. In a tubular armoring machine, means for helically winding a metal strip into tubular form, a rotatable reel frame, a reel mounted in said frame to rotate on the rotating axis of said frame, and means for driving said reel to wind the armored tubing thereon.

1,538,162. MACHINE FOR DYEING ARTICLES. FRANKLIN BROWN and GEORGE SMITH, Philadelphia, Pa. Filed Mar. 17, 1924. Serial No. 699,901. 1 Claim. (Cl. 8—19.)



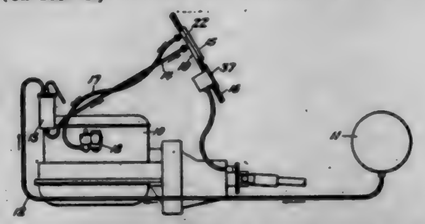
In a dyeing machine the combination of a rotatable member, rods held thereon, containers held on said rods and adapted to receive articles to be dyed, a flange on each end of said rotatable member, said rods being held in said flanges, and a spring pressed plate retaining said rods in said flanges.

1,538,163. INFLATABLE BALL. FRANK A. BURCHNER, Battle Creek, Mich. Filed Jan. 8, 1925. Serial No. 1,242. 5 Claims. (Cl. 273—65.)



1. In a device of the character set forth, comprising two unequal elliptical rubber sections uniformly spaced apart about their margins when the one is placed upon the other, the extended edge of the larger section being doubled upon the edge of the smaller section and the contacting edges of the two sections vulcanized together and an inflating valve operative through one of said sections.

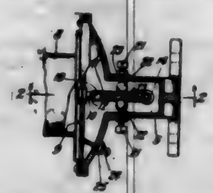
1,538,164. FLOW METER. ROY D. BUELL, Chicago, Ill. Filed Feb. 15, 1921. Serial No. 445,077. 9 Claims. (Cl. 235—1.)



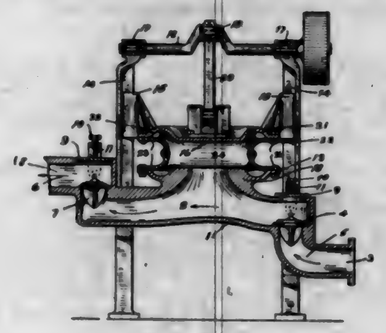
1. The combination with a fuel supply system for the motor of a motor vehicle, of continuously operating fuel-flow indicating means; and stationary means representing various rates of vehicle speed and cooperable with said indicating means whereby the observer, knowing the rate of speed of the vehicle, may ascertain the distance of vehicle travel per unit of fuel-flow.

1,538,165. ALARM OR SIGNAL DEVICE. ROY D. BUELL, Chicago, Ill. Filed Dec. 30, 1921. Serial No. 526,025. 9 Claims. (Cl. 116—138.)

1. In a device of the character described, a housing; a diaphragm mounted therein; a rotor having axial depressions; oppositely disposed adjusting means mounted in said housing; means cooperable with said adjusting means and said depressions for supporting said rotor; a pressure fluid jet mounted in said housing; a plurality of teeth associated with said rotor for vibrating said diaphragm and provided on one face with cup-like depressions for receiving fluid from said jet, and on the opposite face with grooves for permitting the unobstructed passage of said fluid to said cup-like depressions; and means for adjusting said diaphragm with respect to said teeth.

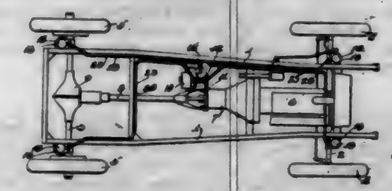


1,538,166. FORCE PUMP. FRED S. CASS, Denver, Colo., assignor to The Rex Iron Works Company, a Corporation of Colorado. Filed Feb. 23, 1924. Serial No. 694,487. 3 Claims. (Cl. 103—150.)



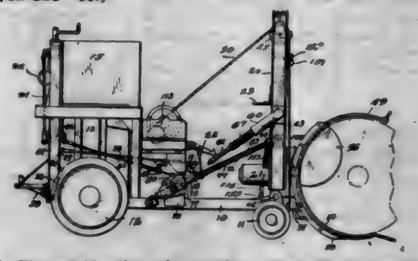
1. A flexible member for pumps comprising a flexible ringlike member of fabric and rubber having a U-shaped cross-section, and provided intermediate its edges with a nonelastic reinforming member.

1,538,167. HYDRAULIC-JACK SYSTEM. WILLIAM G. CHAPPELL, RICHARD S. CHAPPELL, and SYDNEY C. SMITH, Detroit, Mich. Filed Mar. 11, 1922. Serial No. 542,839. 7 Claims. (Cl. 138—9.)



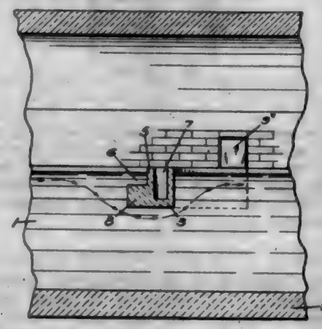
6. The combination with a vehicle, of a plurality of cylinders secured to the axles thereof, a piston in each cylinder, a rod including a base at its outer end secured to each piston and extending through the lower end of its cylinder, means on the vehicle for forcing a fluid into each cylinder to cause the pistons therein to move in either direction, and a single means for controlling the flow of fluid to permit simultaneous or selective operation of the jacks.

1,538,168. TRUCK FOR HANDLING PAPER ROLLS AND OTHER ARTICLES. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 19, 1921. Serial No. 493,703. 41 Claims. (Cl. 214—65.)



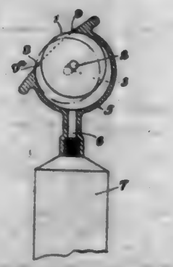
1. The combination of a truck, a substantially vertical boom pivotally connected therewith, power operated means for tipping the boom inwardly and raising a load pivotally supported thereon, and means for rotating the load about an inclined axis into a different position.

1,538,169. FLOATER FOR GLASS FURNACES. HARRY S. CONKLIN, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 7, 1924. Serial No. 704,648. 5 Claims. (Cl. 49—61.)



1. A refractory floater for use in a glass tank, the floater having a glass retaining ledge along one side below the glass level.

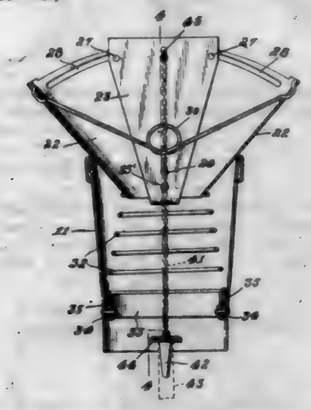
1,538,170. INSTRUMENT FOR THE APPLICATION OF SHAVING CREAM OR THE LIKE. RICHARD CRAMP, London, England, assignor to John Knight Limited, London, England. Filed June 9, 1924. Serial No. 718,824. 1 Claim. (Cl. 91—62.5.)



A device for the application of shaving cream comprising a casing, a slotted bearing in the casing, means for attaching the casing to a collapsible tube, said casing having a passage communicating with the tube, a

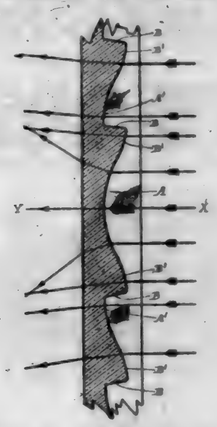
roller provided with trunnions adapted to bear in said slotted bearings, said roller projecting from the face of the casing and adapted to alternately bear against the upper and lower edges of the slot so as to permit the said edges scraping the cream from the periphery of the said roller and alternately leaving a space between the opposite edge of the casing and said roller through which the shaving cream may be ejected to spread on to the periphery of the said roller according to the direction in which the roller is moved over the skin.

1,538,171. FUNNEL. EDWARD L. DAILEY, Berg, N. Dak. Filed May 20, 1924. Serial No. 714,719. 5 Claims. (Cl. 226—38.)



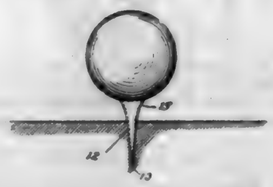
1. In combination, a collapsible funnel adapted to be normally housed within the filling tube of a radiator, yieldable means for automatically projecting the funnel above the tube for use, and a cover for holding the funnel within the tube against the influence of the aforementioned means.

1,538,172. LENS FOR HEADLIGHTS. CHARLES W. DAKE, Chicago, Ill. Filed Feb. 23, 1923. Serial No. 620,562. 2 Claims. (Cl. 240—48.4.)



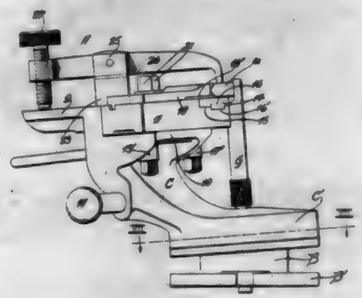
1. In a lens for headlights and the like, a series of refracting ridges of saw-toothed cross section having a flat wall extending in substantially the same direction as the line of approach of the rays, and a curved wall extending from the top of one flat wall to the base of the adjacent one, the curve of said wall being compounded of arcs having centers on opposite sides of the lens, said curves being flattened at the intersection of the flat walls to approximate perpendicularity thereto.

1,538,173. GOLF TEE. FRANK P. DAUGHADAY, Chartley, Mass., assignor to Freeman-Daughaday Co., Chartley, Mass., a Corporation of Massachusetts; also doing business as Providence Collar Button Company, Providence, R. I. Filed Dec. 5, 1924. Serial No. 754,149. 2 Claims. (Cl. 273—33.)



1. A golf tee comprising a tubular sheet metal pin having a shank pointed at one end to be readily forced into the ground, and flaring at its opposite end to provide a relatively-broad seat for the ball.

1,538,174. HOLDING DEVICE. EMERY E. DAVIS, St. Louis, Mo., assignor to Davis Boring Tool Company, St. Louis, Mo., a Corporation of Missouri. Filed Oct. 4, 1922. Serial No. 592,357. 12 Claims. (Cl. 51—218.)



1. A holding device comprising a stationary base, a revoluble work support, an axis about which said work support rotates, an adjustable work-receiving seat on said work support, said work-support being provided with an elongated slot, and a clamping member associated with said work-receiving seat and passing through said elongated slot, said adjustable work-receiving seat being arranged at an oblique angle relative to said axis.

1,538,175. LAMP STRUCTURE. DANIEL H. DEERY, Bridgeport, Conn., assignor to The D. & H. Lamp Co., Bridgeport, Conn., a Copartnership composed of Daniel H. Deery and William Hennessey. Filed June 19, 1923. Serial No. 646,356. 3 Claims. (Cl. 240—7.)

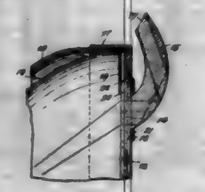
1. In a lamp, a cylindrical cup shaped casing, a lamp socket supported in the rear wall of said casing, a fragile cylinder in said casing substantially equla to the length of the casing, resilient means interposed between the inner end of said cylinder and said rear wall of the casing to cause the projection of a portion of the forward end of said cylinder forwardly of the forward edge of the casing, a lens at the forward end of the cylinder, resilient means interposed between the forward

projecting end of said cylinder and said lens, a flanged rim engaged upon the forward end of said casing and over the margin of the lens, and means for securing the



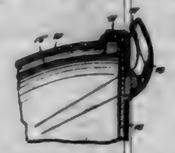
rim on the casing and to compress the resilient means at the rear of said cylinder, the two resilient means maintaining the rim in secured relation and compensating each other, whereby as one gives the other follows.

1,538,176. INDICATOR FOR AUTOMOBILE LAMPS. DANIEL H. DEERY, Bridgeport, Conn., assignor to The D. & H. Lamp Co., Bridgeport, Conn., a Copartnership composed of Daniel H. Deery and William Hennessey. Filed Mar. 29, 1924. Serial No. 702,891. 3 Claims. (Cl. 240—46.)



1. As an article of manufacture, a light indicator device provided with means to attach it to a vehicle lamp in front of the lamp closure, comprising an elongated column of solid light conducting material having a light receiving surface at one end contiguous to the lamp closure and a light emitting surface at the other end disposed reversely to the direction of the light rays and beyond the periphery of the lamp closure, said column being continuously curved between its ends.

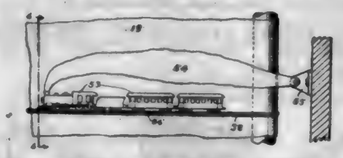
1,538,177. LIGHT INDICATOR FOR AUTOMOBILE LAMPS. DANIEL H. DEERY, Bridgeport, Conn., assignor to The D. & H. Lamp Co., Bridgeport, Conn., a Copartnership composed of Daniel H. Deery and William Hennessey, both of Bridgeport, Conn. Original application filed Mar. 29, 1924, Serial No. 702,891. Divided and this application filed Nov. 5, 1924. Serial No. 747,976. 2 Claims. (Cl. 240—46.)



1. As an article of manufacture, a lamp lens having an integral light indicator device consisting of a light conducting column extending from the front surface of said lens and having a light emitting end surface disposed outside the periphery of the lens and reversely to the front surface of the lens, said column being continuously curved between its ends.

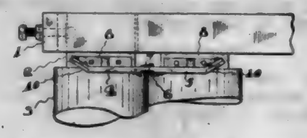
1,538,178. ADVERTISING APPARATUS. NORBERT CHARLES DEIGHAN, Cleveland, Ohio. Filed May 12, 1923. Serial No. 638,526. 3 Claims. (Cl. 40—82.)

3. In apparatus of the class described, the combination of a frame, vertically arranged shafts in said frame, an endless fabric arranged on said shafts, relatively fixed means for supporting said fabric intermediate said shafts to prevent sagging of the fabric, said fabric having scenery thereon representing space to be traversed by a vehicle, a representation of a vehicle supported in front of said scenery, by means invisible from out-



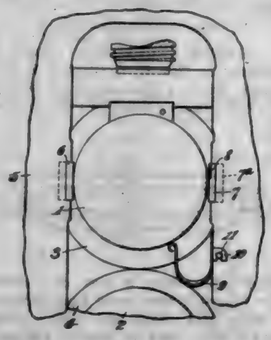
side the apparatus, in position to produce the illusion of traversing said space, flexible guiding means secured on said fabric, and means on said representation of a vehicle engaging said guiding means to produce vertical movements in the vehicle.

1,538,179. STOCK GUIDE FOR THE ROLLS OF MIXING MACHINES AND THE LIKE. LEONARD V. DIXON, Toronto, Ontario, Canada, assignor to Dunlop Tire & Rubber Goods Co. Limited, Toronto, Ontario, Canada. Filed Aug. 15, 1923. Serial No. 657,561. 7 Claims. (Cl. 18—2.)



2. In a machine for rolling plastic material the combination with a pair of rolls one of which is provided with adjustable bearings whereby it may be adjusted to and from the other roll, of a stock guide formed in two overlapping parts fitted to the contours of the rolls, said parts being secured to the bearings of the rolls, so that each part maintains a fixed relationship to the roll to which it is fitted.

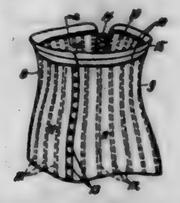
1,538,180. SIDE BEARING FOR ROLL NECKS. WILLIAM EVANS and ADDISON BARR, Martins Ferry, Ohio, assignors of one-tenth to Joseph L. Christmyer, Bellaire, Ohio, and three-tenths to George Cooke, Martins Ferry, Ohio. Filed Aug. 15, 1925. Serial No. 657,635. 4 Claims. (Cl. 80—1.)



4. A side bearing comprising, in combination with a roll neck, a substantially rectangular plate for seating in bearing relation to a side of said neck, said plate having in its inner face a recess of substantially triangular form, two sides of said triangular recess being coincident with the planes of the top edge and the outer end, respectively, of said plate, and the third side or bottom of said recess being inclined downwardly and

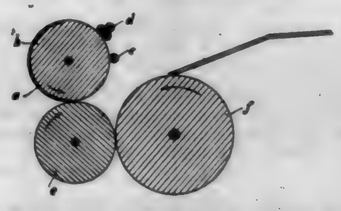
outwardly for directing outward water which enters said recess from the roll neck, and a trough disposed on the housing for receiving water directed outward from said recess and for conveying said water away from the housing.

1,538,181. CORSET ATTACHMENT. NORINE FAHEY, St. Paul, Minn. Filed May 24, 1923. Serial No. 641,215. 2 Claims. (Cl. 2—40.)
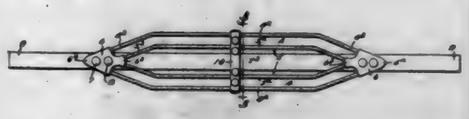


1. A corset shield made of moisture proof material and composed of two laterally curved members each with an inverted groove to cover the upper edge of one half of the corset, and two comparatively thin flaps depending downwardly one outside and the other inside the corset, the grooved top portion of each member being thicker than the depending flaps.

1,538,182. BENDABLE PRINTING PLATE. PAUL FOCKE, Barmen, Germany. Filed Aug. 16, 1920. Serial No. 404,038. 2 Claims. (Cl. 101—130.)



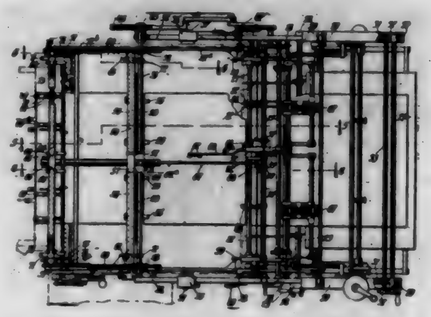
1. A planographic printing plate for reproducing typewritten matter, which consists of a relatively thin sheet presenting a hard metallic surface and being pliable to an extent sufficient to be introduced into typewriting machines and to receive the typescript to be printed from the sheet.

1,538,183. BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,144. 7 Claims. (Cl. 293—55.)



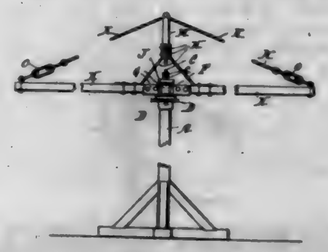
1. A bumper comprising a rear or auxiliary section having a bar provided with ends bent forwardly toward and spaced from each other and with a forwardly projected central portion, and an impact section comprising symmetrical external upper and lower bars each having a central portion extending substantially parallel with and vertically spaced from the auxiliary bar and projecting respectively above and below such bar, each of the impact bars having ends directed toward the ends of the other impact bar, and intermediate upper and lower impact bars interposed between the first mentioned bars and located respectively above and below the auxiliary bar and each having a central portion spaced from and extending substantially parallel with the central portion of its adjacent external bar and each having also end portions that are presented toward the end portions of the opposed intermediate bar, the end portions of the intermediate bars being substantially parallel with the end portions of their respective adjacent external bars, means connecting the ends of the impact bars to the ends of the auxiliary bar, and means connecting the central portions of the said bars.

1,538,184. SHEET-FEEDING MACHINE. JACKSON TIPTON HALE, Atlanta, Ga., assignor, by direct and mesne assignments, to Miller Saw-Trimmer Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 16, 1918, Serial No. 266,912. Renewed Apr. 2, 1925. 29 Claims. (Cl. 271—54.)



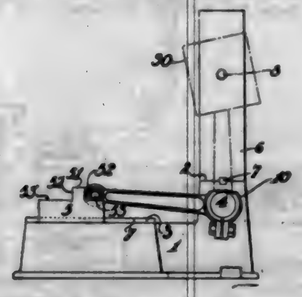
1. In a paper feeding mechanism, a press feed board divided transversely into front and back wings, a reciprocating carriage mounted on said press feed board, means to actuate said carriage mounted on the frame of the machine above the carriage, and means to separate said carriage actuating mechanism to permit the tilting of one of said wings.

1,538,185. CLOTHES-DRYING FRAME. FREDERICK GRANVILLE HARVEY, Sydney, Australia, and CHARLES OCONNOR, Auckland, New Zealand. Filed Aug. 31, 1921. Serial No. 497,156. 1 Claim. (Cl. 68—3.)



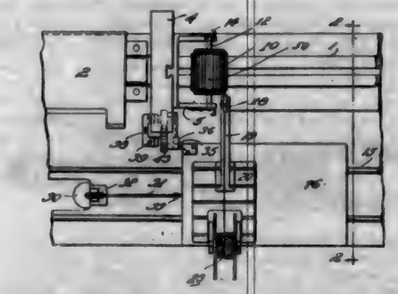
In clothes drying frames of the class herein described, the combination with a central pillar, of a horizontal plate fixed to the top of the pillar and having a journal pin projecting upward from its centre, a rotating frame having radiating arms mounted to rotate on said journal pin, means for retaining it in position on the pin, a bar vertically disposed above the top of the said pin and secured by brackets to the several arms of the rotating frame, and a stay wire extending from the outer end of each of such arms to the top end of the said vertical bar, substantially as specified.

1,538,186. TESTING JIG FOR ENGINE CONNECTING RODS. JOHN J. HENDRICKS, Seattle, Wash. Filed Nov. 7, 1921. Serial No. 513,495. 4 Claims. (Cl. 33—180.)



1. A connecting rod testing jig comprising a base having a connecting-rod-pivoting shaft and two sets of guide ways, a slide movable upon each set of guideways, one slide having a piston trueing surface disposed in a plane perpendicular to the axis of said shaft and the other slide having a pair of trueing surfaces disposed in a plane parallel to the axis of said shaft and adapted to engage with the sides of the wrist pin of a connecting rod when it is pivoted upon said shaft.

1,538,187. METHOD AND APPARATUS FOR PLACING WINDINGS IN MOTOR STATORS. ALBERT B. HERRICK, Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 27, 1923. Serial No. 628,162. 12 Claims. (Cl. 29—84.)



1. A method of placing windings in inwardly faced slots of motor field frames or the like, including the steps of forming the windings into coils of a predetermined number of turns and upon a form from the outside thereof, the winding coils being longer and narrower than the slots which are to be occupied but having approximately the given lineal distance in each turn as though originally placed in the slots to be occupied and thereafter causing such windings to register with those slots, and moving them outwardly radially into the slots of the field frame or the like, all such movements simultaneously causing the turns to change shape and conform to their eventual positions.

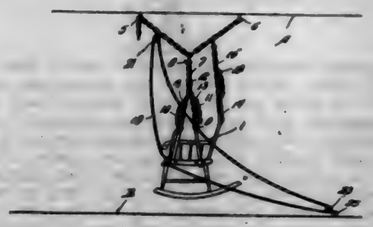
1,538,188. SHOCK ABSORBER. JOHN H. HOPPER and ERNEST O. HUGG, Jonesboro, Ark., assignors of one-fourth to said Hugg, one-fourth to George L. Minton, and one-half to John B. Hinson, all of Jonesboro, Ark. Filed Jan. 15, 1924. Serial No. 686,456. 1 Claim. (Cl. 267—45.)

A vehicle spring comprising a body portion formed from a series of superposed curved abutting leaves, one of the intermediate leaves of said body portion of a greater length than any one of the other leaves thereof, the leaves opposing one face of said intermediate leaf progressively increasing in length towards said face and abutting each other throughout, the leaves opposing the other face of said leaf progressively increasing in length from said face and abutting each other throughout, said leaf projected laterally to provide end terminal portions having the major part thereof spaced from and opposing



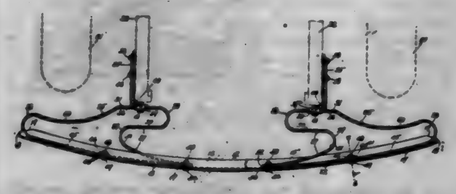
the leaves which progressively increase in length therefrom, each of said end terminal portions inturned at its free end to slidably engage another intermediate leaf arranged in proximity to one of the outer leaves of the body portion, and means integral with said inturned free ends and opposing the side edges of a plurality of leaves of the body portion to prevent transverse shifting of said ends.

1,538,189. SWING. JACOB KILCHER, Mount Pleasant, Iowa. Filed Sept. 30, 1924. Serial No. 740,772. 1 Claim. (Cl. 155—65.)



In a swing, a pair of chains anchored to a support so as to be slack, a second pair of chains attached to the first pair of chains intermediate the ends of the first mentioned chain so as to be suspended therefrom, a seat structure supported by the second mentioned pair of chains, a pair of pulleys one mounted on each of the first mentioned chains, a second pair of pulleys anchored at a point remote from the seat structure, and a pair of cables trained through the alining pulleys and attached at its ends to the seat structure.

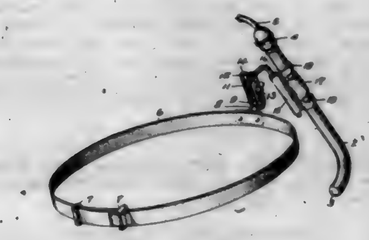
1,538,190. BUMPER FOR MOTOR VEHICLES. GEORGE F. KOLB, Fairfield, Conn., assignor to The Bullard Machine Tool Co., Bridgeport, Conn., a Corporation of Connecticut. Filed May 8, 1923. Serial No. 637,543. 18 Claims. (Cl. 293—55.)



1. In a vehicle bumper, an impact bar of pressed sheet metal, of a length sufficient to span the front end of a motor-vehicle, having a vertically wide front web, and having wide rearwardly-directed top and bottom flanges, the front web having spaced apertures, with shallow, rear-

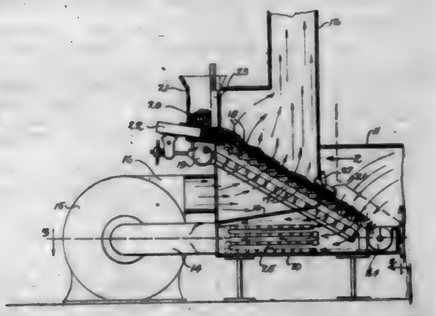
wardly-directed flanges around their edges, and independent spring supports, each consisting of a single strip of flat spring-metal formed with a single outer bend and an inner S-bend, and with its ends brought together and secured against the inner face of said front web of the impact bar at a point substantially outside the center line of the vehicle, portions of the two spring supports between their single and S-bends being adapted to be secured to brackets or frame members of the vehicle near the opposite sides thereof.

1,538,191. CORNEAL ILLUMINATOR. MILTON E. LANDO, Oakland, Calif., assignor of one-half to Henry M. Marsh, Los Angeles, Calif. Filed Oct. 2, 1922. Serial No. 591,702. Renewed Mar. 31, 1925. 1 Claim. (Cl. 240—59.)



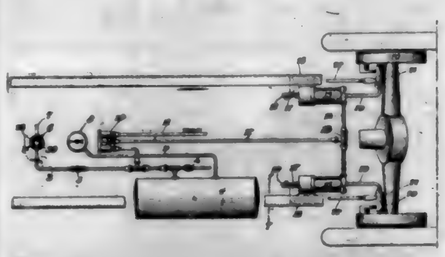
A corneal illuminator comprising a tubular lamp having a curved portion adjacent the illuminating end, a bracket, a spring clip for slidably mounting said lamp, an adjustable head band, a ball on said head band, a ball on the bracket, plates engaging opposite sides of said balls and a screw for adjusting the pressure of the plate upon the balls, said head band being adapted to surround the head of the patient with the illuminating end of the lamp positioned to direct the rays of the light away from the operator and upon the area under examination.

1,538,192. APPARATUS FOR CONDITIONING CRUSHED MATERIAL. VERNON GARDE LEACH, Chicago, Ill. Filed Mar. 21, 1924. Serial No. 700,787. 4 Claims. (Cl. 34—33.)



4. An apparatus for conditioning crushed material comprising a casing, a support within said casing, means for passing a stream of material over said support, a partition within the casing intermediate the ends of said support, and means for passing currents of gases through said stream of material on either side of said partition.

1,538,193. FLUID OR SAFETY GAS BRAKE FOR AUTOMOBILES. IRVIN D. LENGEL, Reading, Pa., assignor, by mesne assignments, to Safety Air Brake Company, a Corporation of Delaware. Filed Dec. 19, 1922. Serial No. 607,770. 7 Claims. (Cl. 303—48.)



1. In a device of the character described, a reservoir, a pipe for conveying thereto the semiburned gases from the combustion chamber of an internal combustion engine, a check valve in said pipe, carbon arresting means located intermediate of said check valve and the source of said gases, a brake actuating mechanism, a pipe for conveying the carbon-free gases from said reservoir to said brake actuating mechanism, and a fluid pressure controlling valve intermediate said reservoir and said brake actuating mechanism.

1,538,194. PNEUMATIC TOOL. AXEL LEVEDAHL, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed July 30, 1919. Serial No. 314,374. 2 Claims. (Cl. 121—35.)

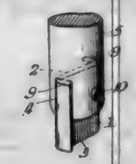


1. A throttle valve, comprising a substantially straight tubular casing having a substantially straight live air passage extending longitudinally therethrough, a bushing in said casing intermediate the ends thereof and extending across said passage at an inclination thereto, said bushing having ports opening into said passage on opposite sides of said bushing and being aligned with each other and with the longitudinal axis of said passage, a valve seat in said bushing between said ports, a self closing valve in said bushing, and a pivoted lever on the outside of said casing and engaging said valve for opening the same upon moving said lever toward said casing.

1,538,195. SCREW-DRIVING BIT. AXEL LEVEDAHL, Aurora, Ill., assignor to Independent Pneumatic Tool Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 24, 1923. Serial No. 670,403. 5 Claims. (Cl. 145—50.)

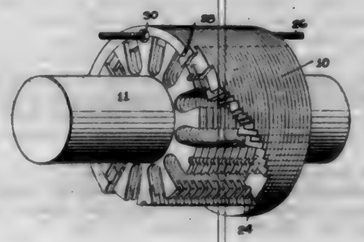
2. In combination with a cylindrical holder having a longitudinal slot in its lower end, of a screw driving bit having a flat middle portion of a width and thickness to be secured at its upper end in the slot in said holder and to fit at its lower end in the slot or kerf of a screw-

head, said middle portion having integral flanges along its opposite longitudinal edges to engage the outside of the



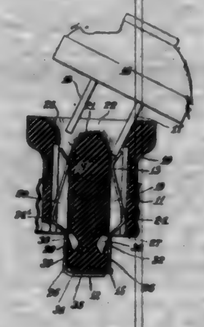
holder and screw-head, respectively, at the ends of the slots therein, said flanges being curved to conform to the curvature of the holder and screw-head.

1,538,196. CONSTRUCTION FOR DYNAMO-ELECTRIC MACHINES. ALAN VARLEY LIVINGSTON, New Haven, Conn., assignor to Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Dec. 6, 1921. Serial No. 520,213. 14 Claims. (Cl. 171—252.)



14. In a dynamo, in combination, a member provided with a plurality of outwardly opening recesses spaced about its circumference, coils taped throughout and mounted in said recesses, a member surrounding said first member and closing the open ends of said coil-receiving recesses, one of said members being formed of a plurality of sheet metal stampings, and common means for holding said last-mentioned member in recess-closing position and for clamping said stampings together.

1,538,197. ATTACHMENT PLUG. STANLEY MCCLATCHIE, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1920. Serial No. 407,627. 9 Claims. (Cl. 173—343.)



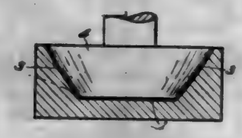
1. In an attachment plug, an insulating base, a screw shell on the base, a center contact, a spring contact having a forked foot embracing a portion of said base, lugs on said foot portion passing through a part of said screw shell into said base, and a second spring contact connected to said center contact.

1,538,198. COMBINED ADJUSTABLE READING DESK AND LAMP. JOHN S. MANCHESTER, St. Louis, Mo. Filed Feb. 4, 1924. Serial No. 690,637. 3 Claims. (Cl. 240—4.)



1. A combined reading desk and lamp comprising a base, a tubular member carried thereby, a reading desk capable of being vertically adjusted rotatably carried by said standard and having inclined book supports, a lamp carried by said desk, and a book support carried by said lamp and rotatable independently of the rotation of the desk.

1,538,199. METHOD OF MAKING PAPER DISHES. ETHEL GRACE MAXWELL, Wheeling, W. Va. Filed Feb. 15, 1923. Serial No. 619,320. 2 Claims. (Cl. 18—56.)

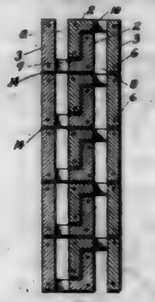


1. The herein described method of making a rectangular paper dish having its ends of greater height than its sides, which consists in steam heating and paraffining a paper blank, then in subjecting the blank to pressure to shape the dish and to form the ends thereof of a thickness exceeding that of the sides, the excess paper stock in the sides of the blank being displaced under the pressure and caused to flow inwardly across said ends and supplementing the stock in the latter.

1,538,200. BUILDING BLOCK. CLEMSON A. MELTON, Kansas City, Mo. Filed Dec. 26, 1922. Serial No. 608,850. 2 Claims. (Cl. 72—41.)

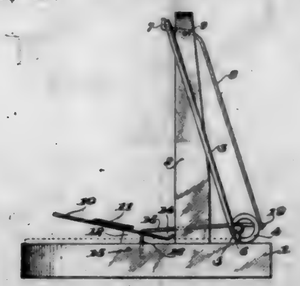
1. A wall comprising tile arranged in courses in parallel rows, the parallel rows in each course con-

sisting of blocks substantially U-shaped in cross section, each having a long leg and a short leg, the short leg of



adjacent complementary tile in each row overlapping one another to prevent lateral movement between the tile.

1,538,201. RAT TRAP. JAMES D. MOXIE, Scranton, Pa. Filed Aug. 7, 1924. Serial No. 730,642. 1 Claim. (Cl. 43—81.)



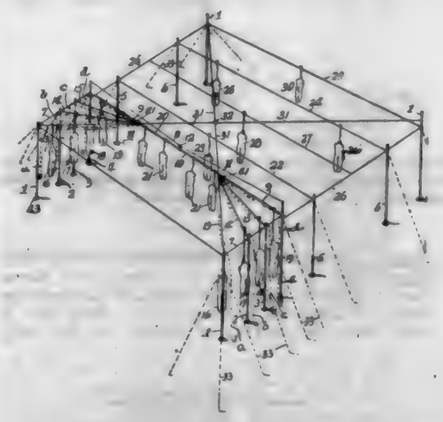
In a rat trap, the combination of a base and a standard supported thereby, of a pivoted resiliently tensioned striker positioned on one side of said standard, a pivoted detent for holding said striker in said position, a pivoted trigger for engaging a free end of said detent while the same is holding said striker in said position, a cooperating pivoted pan disposed on the opposite side of said standard and having a cam shoulder formed on its end adjacent said standard adapted to release said trigger thereby releasing said striker when weight is applied to said pan.

1,538,202. INNER ARCH FOR PNEUMATIC TIRES. WILLIAM J. P. MOORE, New York, N. Y. Filed Apr. 9, 1924. Serial No. 705,304. 5 Claims. (Cl. 152—20.)



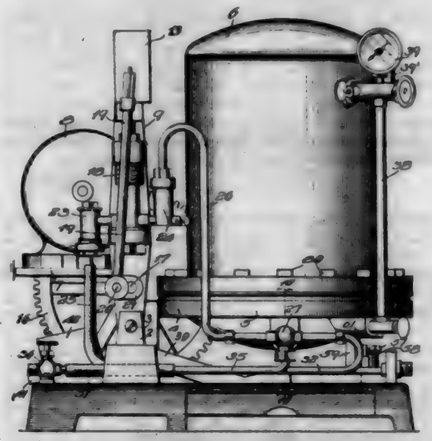
1. In a pneumatic tire, the combination with a casing and an inner tube of an arching flap interposed between the heavier basal portions of the shoe and the tube, and initially pressing one side of the tube inwardly before inflation and acting after inflation to impart lateral stability to the tire.

1,538,203. FOOTBALL APPARATUS. CHARLES B. MORAN, Horse Cave, Ky. Filed Oct. 30, 1922. Serial No. 597,725. 12 Claims. (Cl. 273—55.)



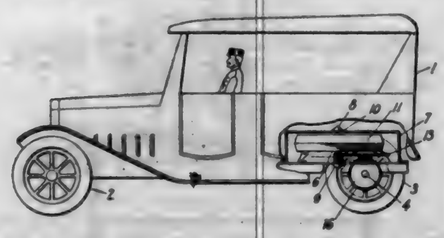
1. An apparatus for the practice of football, comprising a plurality of tackling dummies, and a plurality of cooperative guiding means for distributing said dummies to various playing positions over a playing field.

1,538,204. APPARATUS FOR CARBONATING LIQUIDS. RUDOLPH MUELLER, Chicago, Ill. Filed July 26, 1920. Serial No. 399,093. 8 Claims. (Cl. 103—25.)



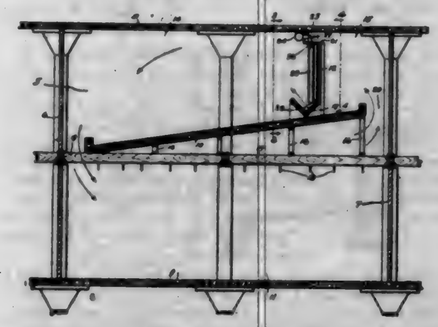
1. In a machine for carbonating liquid, a carbonating receptacle mounted for movement up and down, a counterbalancing lever pivotally mounted between its ends and having one end disposed in relation to the receptacle to be effected by the weight thereof, means arranged between the lever and the receptacle for transmitting the weight of the receptacle to the lever, said transmission means arranged to cause a sudden effective lengthening of the end of the lever associated with the receptacle upon an increase in the total weight thereof above a predetermined amount and a like sudden decrease upon a decrease in weight below a predetermined amount, and means under the control of said lever for starting and stopping the supply of water to said receptacle.

1,538,205. FRICTION TOY. RICHARD B. MUNDAY, Dayton, Ohio, assignor to The Dayton Friction Toy Company, Dayton, Ohio, a Corporation of Ohio. Filed June 12, 1922. Serial No. 567,665. 1 Claim. (Cl. 46—48.)



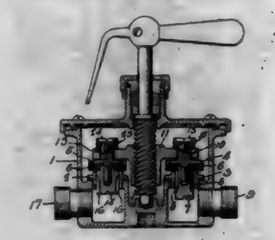
In a toy of the type described, driving wheels, an axle to which said wheels are fixedly secured, a body portion having a bottom supported at its rear end by said axle, a separate, horizontal housing mounted on said bottom over said axle, a vertical shaft journaled in said housing, a horizontal inertia wheel fast on said shaft, a pinion also fast on said shaft below the inertia wheel, a second shaft vertically mounted in said housing, a horizontal gear on the second shaft in mesh with said pinion, a downwardly projecting pinion secured to the horizontal gear, and a crown gear fast on said axle in mesh with the second pinion.

1,538,206. REFRIGERATING DEVICE. ROBERT BRUCE MUSSEN, Seattle, Wash. Filed May 19, 1924. Serial No. 714,286. 8 Claims. (Cl. 261—116.)



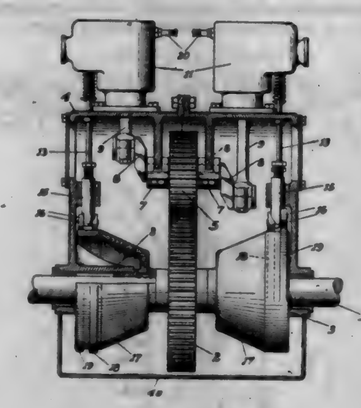
4. A vertical tube spray refrigerating device embodying a compartment; a partition horizontally disposed in said compartment in spaced relation to oppositely disposed walls of said compartment, dividing said compartment into an upper (loft) chamber and lower (cooler) chamber, said spaced relation providing air passages from said loft to said cooler on one side of said partition and an air passage from said cooler to said loft on the other side of said partition; a second partition dividing said loft into a forward loft and a back loft; one of more vertically disposed cylinders in said loft, said cylinder or cylinders having perforations in the upper portion thereof; a sleeve disposed in spaced relation to said cylinder or cylinders adjacent said perforations; a nozzle disposed in the upper end portion of said cylinder or cylinders, whereby refrigerating fluid may be jetted into said cylinder or cylinders, and a portion thereof caused to flow down the outside of said cylinder or cylinders, as well as down the inside of said cylinders or cylinders; and a collecting means at the bottom of said cylinder or cylinders, whereby a refrigerating fluid may be collected in said collecting means, and whereby the air in said compartment may be cooled and discharged from said forward loft into said cooler, through the cooler and from said cooler into said back loft and down said cylinder or cylinders.

1,538,207. VALVE. EDWARD F. NIEDECKEN, Milwaukee, Wis. Filed Nov. 8, 1924. Serial No. 748,510. 4 Claims. (Cl. 277—18.)



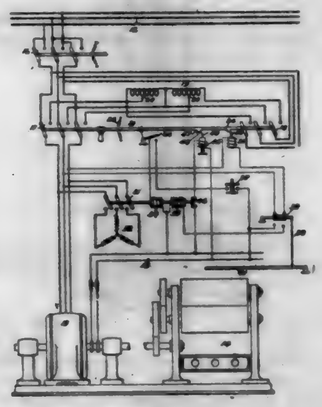
1. The combination with a valve having a stem, and an actuating member therefor, said stem loosely fitting said member, of means arranged and adapted to cause said valve to follow exactly the opening and closing movements of said member while permitting lateral freedom of movement of said valve with respect to said member.

1,538,208. INTERNAL-COMBUSTION MOTOR. HENRY A. NORDWICK and PAUL J. MARCHETTI, Stockton, Calif. Filed Oct. 19, 1923. Serial No. 669,461. 2 Claims. (Cl. 123—55.)



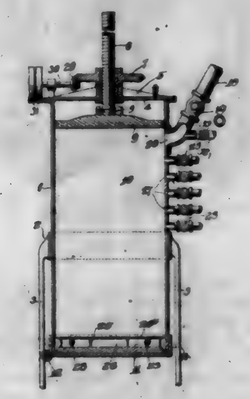
1. A gas engine comprising a casing, a shaft projecting therethrough, cylinders mounted on the casing and extending in parallel alinement to the shaft, a member mounted on the shaft in a plane between the cylinders, pistons in the cylinders, connecting means between said piston and shaft member to cause rotation of the shaft with the reciprocation of the pistons, valves for the cylinders, located in the sides thereof farthest from the connecting means, tappets for the valves disposed in the casing and extending toward the shaft, cylindrical members with the outer faces of which the tappets engage and having connection with the shaft adjacent the first named member thereon, and bearings for the shaft projecting inwardly from the casing toward the inner ends of the cylindrical members.

1,538,209. MOTOR-CONTROL SYSTEM. HENRY V. NYE, West Allis, Wis., assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis., a Corporation of Delaware. Filed Oct. 9, 1922. Serial No. 593,208. 14 Claims. (Cl. 172—239.)
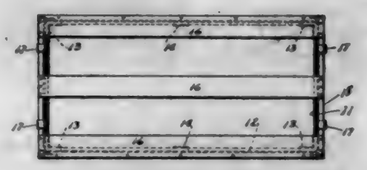


1. In combination, a motor operative to drive a load, circuit-controlling means between said motor and a supply line, means for holding said circuit-controlling means in operative position, an electrical load element, a switching device between the armature of said motor and said electrical load element for braking purposes and operable independently of said circuit-controlling means, means for maintaining said circuit-controlling means in inoperative position while the armature of said motor is connected to said electrical load, and means for causing the actuation of said switching device to inoperative position and the release of said maintaining means.

1,538,210. APPARATUS FOR COOKING AND PRESSING. CHRISTOPHER OFFENHAUSER, Philadelphia, Pa. Filed Dec. 19, 1923. Serial No. 681,547. 2 Claims. (Cl. 87—13.)



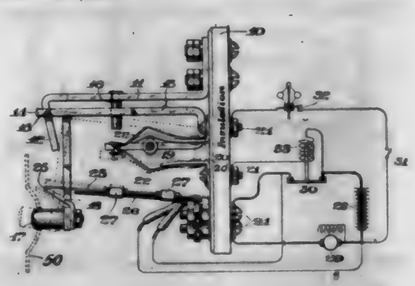
1. In a combined cooker and press, a casing having its bore of uniform diameter and its lower end open, a removable closure for the lower end of said casing, a perforated false bottom secured to and spaced from said closure and of less diameter than that of said bore to form a steam receiving chamber with an annular outlet, valve controlled steam pipes communicating with said chamber, valve controlled discharge pipes communicating with said steam pipes, a plunger to compress the material and eject it through said open end, and a controllable conduit to introduce the material to be treated into said casing.

1,538,211. COLLAPSIBLE CRATE. EDWARD E. PINKERTON, Chicago, Ill. Filed Jan. 25, 1924. Serial No. 688,428. 6 Claims. (Cl. 217—12.)



1. A construction of the class described comprising a foldable body of comparatively weak material arranged to constitute the side walls of a crate; re-enforcing angular channel members fitting over the corners of said body; removable top and bottom members of comparatively strong material and having re-enforcing members fitting over said side walls; and means for securing said top and bottom members in place on said walls, substantially as described.

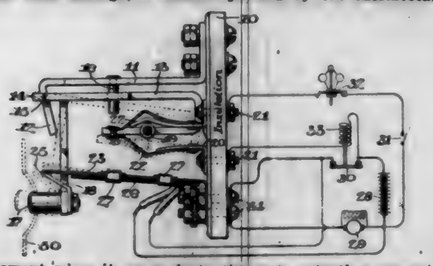
1,538,212. THERMOSTATIC CUT-OUT SWITCH. RAYMOND W. RANDALL, Toledo, Ohio, assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Filed Sept. 30, 1920. Serial No. 413,782. 8 Claims. (Cl. 200—122.)



8. In a thermal cut-out switch, a base, a drop frame pivotally mounted thereon, a thermal element mounted on the base and engaging the drop frame for holding it in its raised position consisting of a bifurcated strip of bi-metallic thermal metal having current passing therethrough for heating it to cause its deflection to release the drop frame, and a supplemental heating element having current passing therethrough attached to the thermal element, and a switch operated by the fall of the drop frame for interrupting said current.

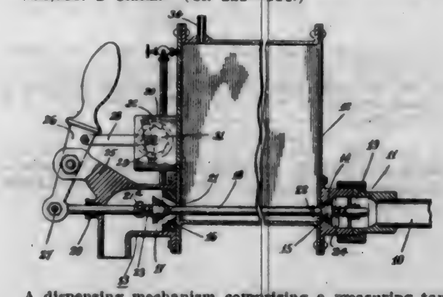
1,538,213. CUT-OUT SWITCH. RAYMOND W. RANDALL, Toledo, Ohio, assignor to Kohler Company, Kohler, Wis., a Corporation of Wisconsin. Original application filed Sept. 30, 1920, Serial No. 413,782. Divided and this application filed Apr. 7, 1922. Serial No. 550,470. 3 Claims. (Cl. 200—38.)

1. In a cut-out switch for a gas engine operated electric light and power plant having a starting motor for starting the gas engine, a motor circuit including the starting motor, a solenoid switch controlling the motor circuit, a thermostat element included in the motor circuit and capable of slowly responding to the current flow therethrough, a switch operated by the thermostat



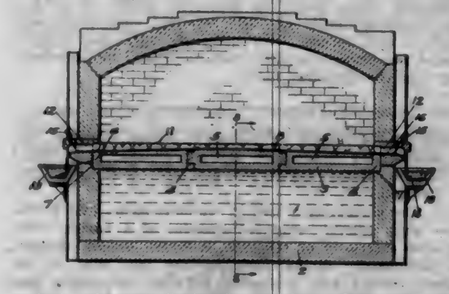
element when it responds to the motor starting current, and a control circuit including said switch and the solenoid of the solenoid switch.

1,538,214. LIQUID-MEASURING DEVICE. JOHN RATH, Bayonne, N. J. Filed July 17, 1920. Serial No. 396,952. 1 Claim. (Cl. 221—114.)



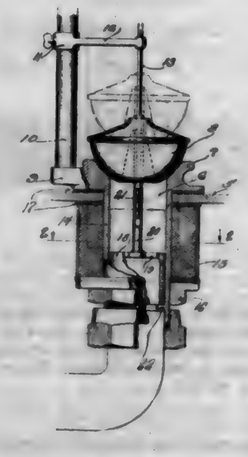
A dispensing mechanism comprising a measuring tank having oppositely disposed inlet and outlet ports, a valve actuating rod extending through said ports, oppositely disposed valves slidably mounted on said rod outwardly of said tank for controlling the ports, resilient means secured to said actuating rod for continuously exerting pressure inwardly against each of the valves, means secured to the actuating rod for actuating the alternate opening of the valves, a handle lever pivotally secured to the actuating rod, and a registering mechanism operatively connected to the lever.

1,538,215. GLASS FURNACE. JOSEPH A. REECE, Toledo, Ohio, assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 7, 1924. Serial No. 704,615. 8 Claims. (Cl. 49—61.)



4. A refractory floater for use in a glass tank, comprising a main glass obstructing portion, and a glass collecting trough in the top of the floater, one side wall of the trough being normally slightly below the glass level so that surface glass may flow into the trough.

1,538,216. PLUMBING FIXTURE. HERMAN ROTH, Milwaukee, Wis. Filed May 8, 1922. Serial No. 559,303. 7 Claims. (Cl. 4—67.)



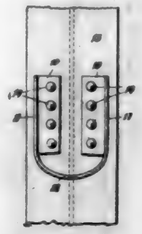
1. In a device of the character described, an outlet pipe, a magnet coil wound thereuround, the outlet pipe forming a tubular core for the coil, a valve member controlling the flow of fluid through the pipe, an armature slidable in the pipe, a guide carried by the armature, and a guide carried by the valve member and engaged with the armature carried guide, said guides forming a connection between the armature and valve member whereby energization of the magnet coil will cause the armature to actuate the valve member.

1,538,217. GRAVITATIONAL TOY. WILLIAM E. SEARS, Eureka, Kans. Filed June 6, 1924. Serial No. 718,369. 2 Claims. (Cl. 46—40.)



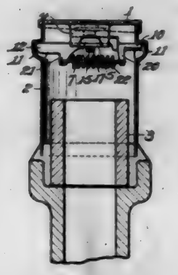
1. A gravitational toy adapted to be used on and in conjunction with an inclined string; the said toy comprising a body, limbs pivoted thereto and having string-engaging hooks at their upper ends, one of said limbs also having an abutment at its heel, a spring strip carried by the body and acting against the abutment of said limb, a stop on the body and in front of said limb, and a stop on the body and back of the other limb.

1,538,218. SEAT FOR CONCRETE BEAMS. ELWYN EGGLESTON SEELYE, White Plains, N. Y. Filed Dec. 29, 1923. Serial No. 683,271. 4 Claims. (Cl. 72—108.)



4. A hanger for concrete beams including a substantially U-shaped member with the bend of the U substantially in the form of a catenary curve and the side members of the U having inturned flanges for the attachment to a support.

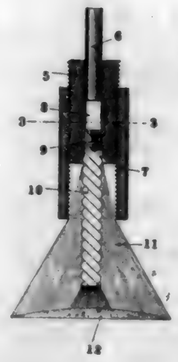
1,538,219. COVER FOR SERVICE BOXES AND THE LIKE. STEPHEN SHANAHAN, Charleston, W. Va., assignor of one-fourth to J. B. Prairie and one-fourth to J. B. Crowley, both of Charleston, W. Va. Filed May 16, 1923. Serial No. 639,282. 2 Claims. (Cl. 70—14.)



1. In a cover for curb boxes and the like, a casing having internal sockets in diametrically opposite sides thereof, a cap for seating upon said casing, a fixed support suspended from the under side of said cap, an apertured plate slidable upon said support, a locking bolt formed on said plate and shiftable with movements of the latter into and out of one of said sockets, a fixed member carried by said support for seating within the opposite socket, resilient means normally holding said plate retracted, a pin projected downward through said cap and rotatable in the latter, and a cam carried by said pin within the aperture of said plate, said pin being adapted to be actuated by rotation of said pin to effect shifting movement of said plate against the tension of said resilient means.

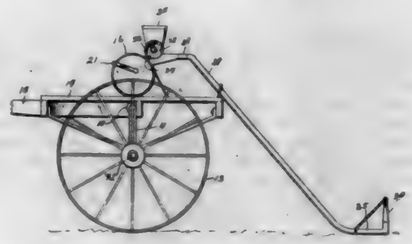
1,538,220. ROTARY ABRADING BRUSH. LLEWELLYN B. SHULTS, St. Louis, Mo., assignor to Pilley Packing & Flue Brush Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 15, 1922. Serial No. 568,409. 3 Claims. (Cl. 15—198.)

3. In a rotary abrading brush, the combination with a plug having a central opening and threading exteriorly, of a conical wire brush provided with a stem secured in the central opening of said plug, an interiorly threaded sleeve adjustable along said plug and



bearing upon the brush to vary its conical angle, and a shank carried by said plug securing the device in a driving chuck.

1,538,221. INSECT DESTROYER. EMIL SMAJSTRLA, Victoria, Tex. Filed Jan. 3, 1924. Serial No. 684,239. 1 Claim. (Cl. 43—148.)

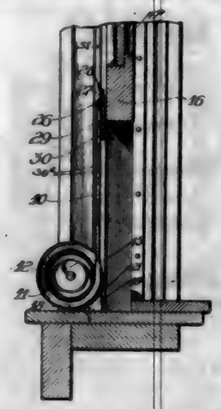


A poison distributing machine comprising a wheeled supported frame, a hopper mounted upon the frame, discharge pipes extending downward from the hopper, the discharge pipes at their terminal ends being bent upward and formed with upwardly extending nozzles, and a fan blower mounted upon the frame and discharging into the discharge pipes.

1,538,222. SCREEN. CHARLES S. SMITH, Chicago, Ill., assignor to Frances S. Rollins, Chicago, Ill. Filed Oct. 4, 1922. Serial No. 592,190. 2 Claims. (Cl. 156—39.)

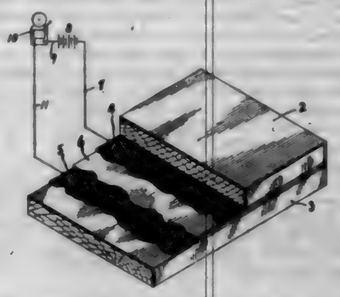
1. The combination with a window casing and a window sash slidably mounted therein, of a spring roller located exteriorly of the sash, a screen section thereon, a downwardly facing hook on the free edge of the screen section and projecting towards the outside face of the window sash, an upwardly reaching hook member on the lower portion of the outside face of the window sash, adapted to engage with the downwardly facing hook of the screen section when the window sash is raised, and a downwardly depending pedestal in con-

junction with the upper edge of the screen section, adapted to rest upon and be supported by the window sill when the window sash is lowered and thereby



sustain the hook portion of the screen disengaged from the hook of the window sash when the window sash is fully lowered, substantially as described.

1,538,223. BURGLARPROOF WALL. BERTRAND H. SMYERS, Jr., Bellvue, and MARK H. JACKSON, Swissvale, Pa. Filed May 31, 1922. Serial No. 564,990. 1 Claim. (Cl. 177—314.)



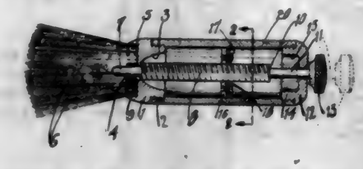
A wall structure comprising back and front layers of comparatively thick nonconducting material, at least two layers of comparatively thin, fine wire mesh having more than thirty-six mesh to the square inch, interposed between said back and front layers of comparatively thick material, and a comparatively thin layer of readily combustible insulating material interposed between said layers of wire mesh.

1,538,224. AUTOMATICALLY THREADING SHUTTLE FOR LOOMS. EDWARD S. STIMPSON, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Apr. 19, 1923. Serial No. 633,310. 13 Claims. (Cl. 139—223.)



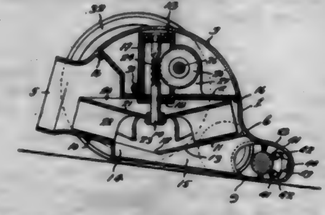
6. As an article of manufacture, a threading block for automatically threading loom shuttles formed of cast iron and having the thread engaging portions of the block overlaid by a smooth rust-proof covering which offers no objectionable resistance to the movement of the thread thereover.

1,538,225. BRUSH-FEEDING DEVICE. GEORGE E. STOCKBRIDGE, Chicago, Ill. Filed Sept. 24, 1923. Serial No. 664,350. 1 Claim. (Cl. 15—187.)



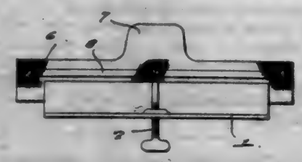
An ejector for brushes and the like, comprising a head, a material-carrying tube secured to said head and forming a handle therefor, a rotatable screw rod within said tube, a piston on said rod adapted to be shifted longitudinally in said tube by the rotation of said rod, and a valve forming a continuation of said screw rod and adapted to open and close a discharge passage in said head, a rotation of said screw rod in one direction initially unseating said valve and then moving said piston forward to feed the material through said discharge passage, its reverse rotation closing said valve.

1,538,226. SUCTION SWEEPER. FREDERICK W. STRAEHLE, Cleveland, and WALKER DE HAVEN LEE, East Cleveland, Ohio, assignors to James M. Davis, Columbus, Ohio, and Wilbert B. McCoy, Cleveland, Ohio. Filed Jan. 31, 1923. Serial No. 616,105. 2 Claims. (Cl. 230—11.)



1. A sweeper comprising a casing divided into upper and lower chambers, the base of the lower chamber sloping inwardly and downwardly toward the center thereof, a fan shaft extending from the upper into the lower chamber, a fan on said shaft shaped in conformity with the base of the lower chamber, and gearing between said shaft and traction wheels whereby the fan is driven.

1,538,227. CROSSCUT-SAW JOINTER. JACOB THUNBONG, Hayden Lake, Idaho. Filed Apr. 22, 1924. Serial No. 708,205. 1 Claim. (Cl. 26—46.)

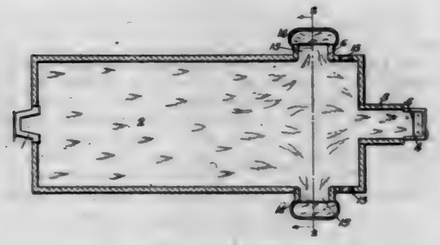


A saw jointer comprising a frame having spaced clamp members, a file adapted to be received within the clamp members and arcuately curved longitudinally, the file being provided at one side with an outstanding rib and provided at its edge with an outstanding lug adapted to serve as a handle grip.

1,538,228. THERMAL INSULATING MATERIAL. JUSTIN KAY TOLES, Berkeley, Calif., assignor to American Hair Felt Co., a Corporation of Delaware. Filed Jan. 27, 1923. Serial No. 615,390. 3 Claims. (Cl. 154—44.)

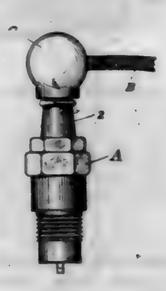
1. The hereindescribed thermal insulating material comprising a waterproofed mixture of fiberized lignocellulose material and hair, the hair being partly embedded in the fiberized material and partly projecting therefrom.

1,538,229. GLASS FURNACE. JAMES P. WEAVER, Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 7, 1924. Serial No. 704,612. 6 Claims. (Cl. 49—54.)



1. The process of supplying molten glass to a glass-working machine, consisting in melting the glass, flowing the molten glass through a tank to the machine, and at an intermediate point along the side of the flowing stream allowing a portion of the surface glass to flow out and form cullet.

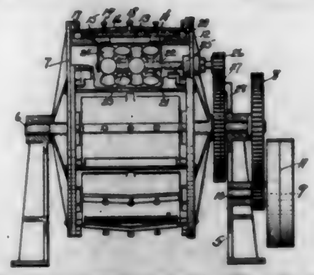
1,538,230. INSULATED SPARK-PLUG CONNECTER. ERNEST F. WIEDERHOLDT, St. Louis, Mo. Filed Dec. 5, 1921. Serial No. 519,980. 5 Claims. (Cl. 123—169.)



1. A spark plug connecter consisting of an insulator, a metallic means in said insulator provided with a spark gap and adapted to have a supply wire connected to same, and a metallic member in said insulator connected to said means and provided with a spring-pressed element for frictionally connecting said member to the electrode of a spark plug.

1,538,231. BURNISHING BARREL. GEORGE E. ABBOTT, West Hartford, Conn., assignor to The Abbott Ball Company, West Hartford, Conn., a Corporation of Connecticut. Filed Apr. 18, 1922. Serial No. 555,210. 8 Claims. (Cl. 51—164.)

1. A receptacle having an opening therein for the reception of articles to be burnished, a work holder support closing said opening, a work holder mounted upon said support within the receptacle, means for causing relative movement between said holder and said



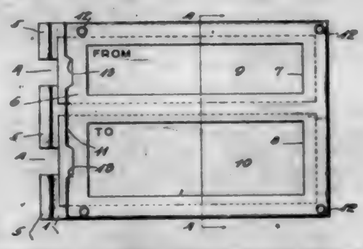
receptacle and burnishing material within the receptacle, said holder including means to removably receive articles to be burnished.

1,538,232. INKWELL. WALTER A. BASS, Brundidge, Ala. Filed July 19, 1924. Serial No. 727,024. 2 Claims. (Cl. 120—69.)



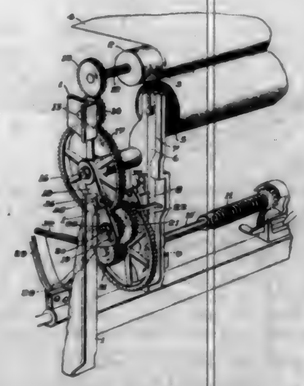
2. An ink well apparatus comprising a plurality of base sections arranged in end to end relation, said base sections being provided upon their lower side with longitudinal grooves adapted to form in effect a continuous groove, means for detachably connecting the base sections, ink wells mounted upon the several base sections, a plurality of conduit sections arranged within said grooves beneath the base sections and corresponding in number with relation to said base section, means for detachably connecting the ends of the conduit sections, means for detachably connecting the conduit sections with the corresponding ink wells, a reservoir carried by one base section and disposed at an elevation above the said ink wells, and having connection with one conduit section, a float chamber connected with the conduit section which is connected with said reservoir, a valve connected in the last named conduit section, and means connecting the float and valve.

1,538,233. TAG HOLDER. BENJAMIN F. BASTIAN, Sunbury, Pa. Filed Nov. 22, 1922. Serial No. 602,620. 1 Claim. (Cl. 40—17.)



A tag holder comprising a rear and front plate adapted to have tags inserted between them, said plates being held in spaced relation by means of longitudinal and perpendicular ribbed parts on the rear plate which form partitions and retainers for the tags, parts of the edge of the rear plate opposite the perpendicular retainer curved or rolled to form a locking device for the tags, and openings in the front plate to display said tags.

1,538,234. TAKE-UP MECHANISM FOR LOOMS. WILLIAM E. BRADLEY, Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Nov. 17, 1922. Serial No. 601,598. 11 Claims. (Cl. 139—311.)



1. In a take-up mechanism for looms, the combination of the cloth take-up roll for taking up the cloth as it is woven, a controller gear operatively connected to the take-up roll for actuating the latter, an actuator, a transmission gear constantly driven therefrom, a give way gear meshing with the controller gear and normally engaged with the transmission gear, and means for yieldingly supporting the give way gear that it may move about the controller gear and out of engagement with the transmission gear due to its rotation thereby when the controller gear is arrested by undue strain upon the cloth during weaving.

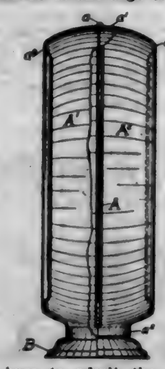
1,538,235. DEVICE FOR FASTENING ROOFING SHINGLES. ANDREW L. BELL, Buffalo, N. Y., and FRANK A. BROWNE, Wayne, Pa., assignors to The Barber Asphalt Company, Philadelphia, Pa., a Corporation of West Virginia. Filed Feb. 23, 1923. Serial No. 620,711. 2 Claims. (Cl. 108—33.)



1. As a new article of manufacture, a shingle fastening device comprising a horizontal cross-bar adapted to overlie the butt end of a diagonally placed shingle, declined flanks extending laterally beyond the ends of said cross-bar to compensate for the thickness of the shingle; and said flanks terminating with vertically directed prongs adapted to be secured to the supporting structure.

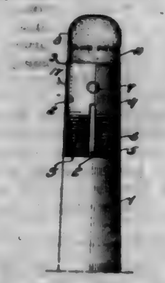
1,538,236. ILLUMINATED SIGN FOR DISPENSING APPARATUS. WILLIAM F. BRANDT, Fort Wayne, Ind., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed May 15, 1923. Serial No. 561,198. 2 Claims. (Cl. 40—133.)

1. A sign structure adapted to enclose a source of light, said structure having in combination two similar dish shaped metal halves, means for interlocking the connecting edges of said halves to form a globe, a supporting base secured to one edge of said globe, an open-



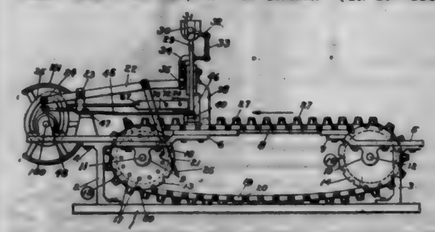
ing thru said base to admit the source of light, and perforations through said metal halves arranged in such manner as to convey the information desired.

1,538,237. CUE. GEORGE K. CANIAS, Philadelphia, Pa. Filed Aug. 20, 1923. Serial No. 659,864. 3 Claims. (Cl. 273—70.)



3. The combination in a cue; a reinforcing sleeve secured to the outer side adjacent the end of the cue and having a castellated inner end threaded on its outer side, the castellated end being expanded by the cue to provide a tapering thread; a tip abutting the end of the cue, and a holding sleeve threaded on its inner side at one end for screwing onto the tapering threads of the reinforcing sleeve and castellated at the other end to provide spring fingers for gripping the tip to hold it in position.

1,538,238. MACHINE FOR ASSEMBLING INSULATOR KNOBS. ALEXANDER CARPENTER, Carey, Ohio, assignor to The C. A. C. Automatic Machine Company, Carey, Ohio, a Corporation of Ohio. Filed Aug. 9, 1920. Serial No. 402,424. 42 Claims. (Cl. 10—158.)

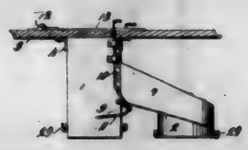


1. A machine for assembling insulator knobs comprising a means for conducting superimposed knob portions to an assembling station, means for placing a

washer above each knob as it reaches assembly position, means for placing a nail in position and driving it down through the openings in said washer and knob, and means for lipping the nail.

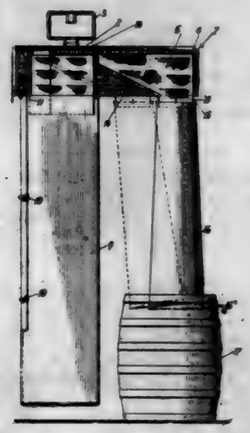
38. A machine for assembling insulator knobs comprising an assembly station, means for presenting knob portions to said station, a magnet for transferring fastening articles to said station, and means for permanently assembling said parts.

1,538,239. KITCHEN CHUTE. JOSEPH C. CLAUDEPIERRE, Akron, Ohio. Filed Jan. 25, 1921, Serial No. 439,887. Renewed Sept. 15, 1924. 8 Claims. (Cl. 173—31.)



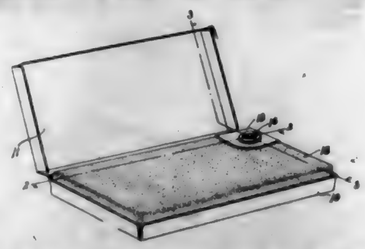
1. In a household appliance, the combination with a floor having an opening therein, of a straight primary chute depending from the floor having its upper end communicating with the opening in the floor and its lower end open to permit the passage of trash and the like through the floor opening directly through the chute, brackets connecting the straight primary chute to the floor, a cover for the chute carried by the floor, the primary chute having an opening formed therein intermediate its ends, an inclined secondary chute communicating with the opening in the primary chute, a combined closure and guide plate for the secondary chute arranged in the primary chute and adapted to swing across the primary chute for directing trash and the like into the secondary chute and for swinging movement across the opening for preventing the passage of trash and the like into the secondary chute, and means disposed above the floor for operating the combined closure and guide plate.

1,538,240. WASTE-DISPOSAL CHUTE. JOSEPH C. CLAUDEPIERRE, Akron, Ohio. Filed June 24, 1924. Serial No. 722,068. 13 Claims. (Cl. 193—31.)



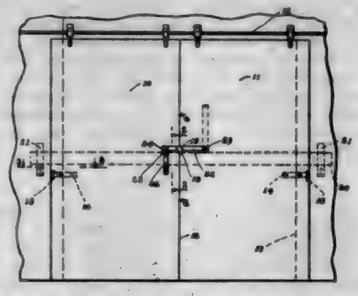
1. In a device for receiving and sorting waste material, a chute discharging by gravity into one receptacle, and a secondary chute movable into position within the first said chute and adapted to deflect waste material into a second receptacle and means exterior to the first named chute to operate the secondary chute.

1,538,241. SELF-INKING STAMP PAD. ELMER COVILLE, Jr., Pittsburgh, Pa. Filed Feb. 2, 1924. Serial No. 690,258. 2 Claims. (Cl. 91—54.5.)



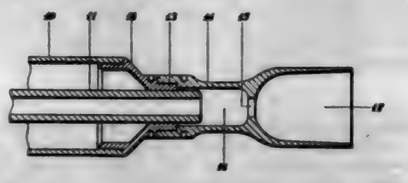
1. A device of the character described comprising a box like case having a cover, a reservoir within the case having a perforated top and provided with filling means, a pad of absorbent material upon the top of the reservoir, the pad including a plurality of layers of absorbent material, and a fabric covering disposed over the layers of absorbent material and extending against the sides and ends of the reservoir and secured between the same and the bottom of the casing.

1,538,242. SECURING AND LOCKING SLIDING DOORS. LOUIS COUNARD, Brussels, Wis., assignor of one-third to Felix J. Counard and one-third to John J. Neville, both of Green Bay, Wis. Filed Feb. 4, 1922. Serial No. 534,117. 4 Claims. (Cl. 292—205.)



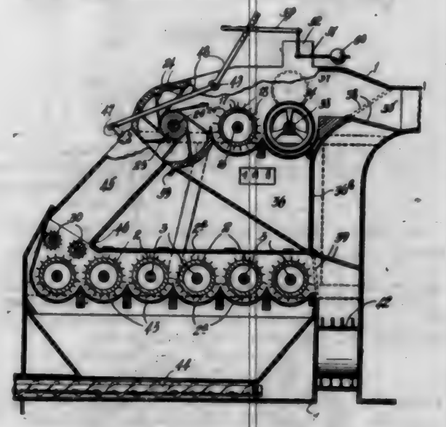
1. The combination with a pair of sliding doors supported to slide across the door opening, a latch pivoted to one of said doors and a keeper member supported independently of said doors adjacent the abutting ends of said doors and arranged to receive said latch, a hook on the other door arranged to receive said latch and a lug on said latch for preventing the withdrawal thereof from said hook.

1,538,243. COMBINED BARREL SUPPORT AND FLASH HIDER FOR GUNS. WALTER T. GORTON, U. S. Army. Filed July 12, 1922. Serial No. 574,559. 1 Claim. (Cl. 89—42.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



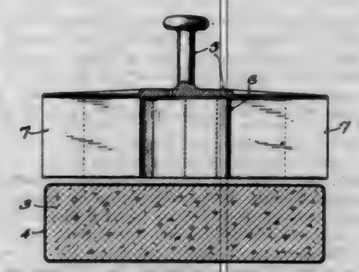
A combined barrel support and flash hider for machine guns having a barrel jacket, embodying a member attachable to the jacket having a reduced portion adapted to encircle the muzzle end of the barrel of the gun and support the same, and an element attachable to said reduced portion formed with an apertured wall dividing the element into a gas chamber surrounding the muzzle of the barrel and a substantially cylindrical unobstructed chamber adapted to hide the flash.

1,538,244. COTTON CLEANER. SAMUEL E. HOPKINS, Corsicana, Tex. Filed Sept. 6, 1921, Serial No. 498,893. Renewed Mar. 12, 1925. 2 Claims. (Cl. 19—93.)



1. A machine of the character described, comprising the combination of a housing, an upper and lower arrangement of rotating members, a screened chamber between the upper and lower rotating members for air suction, and a conduit between the rotating members, said conduit having an arrangement of bars and weights operatively connected to valve shutters upon the upper part of the housing and arranged in such a manner that when the cotton in the conduit becomes impeded the conduit will move and cut off and on the air suction.

1,538,245. PACKAGING CHEESE. EDWIN F. HULBERT, Milwaukee, Wis., assignor to Master Package Corporation, Owen, Wis., a Corporation of Wisconsin. Filed Dec. 29, 1922. Serial No. 609,685. 3 Claims. (Cl. 99—8.)



3. A method of packaging cheese, which consists in cutting a covered cylindrical bulk cheese into a cylindrical and a plurality of segmental sections of predetermined size by a knife heated to sear over the surface it cuts to seal the individual pieces against impurities and prevent evaporation and then enclosing each section in a sealed wrapper for shipment in a suitable container.

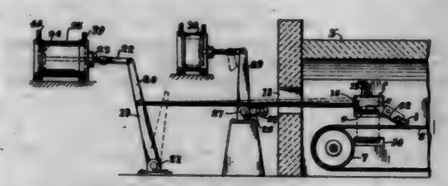
1,538,246. METALLIC COMPOSITION. EDWIN F. KINGSBURY, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 14, 1923. Serial No. 657,435. 8 Claims. (Cl. 75—1.)

1. A metallic composition comprising as the essential elements thereof the following metals in substantially the following proportions, silver 10 to 50 per cent, tin 1½ to 5 per cent, and copper 45 to 88 per cent.

1,538,247. TREATING GLAUCONITE. HEINRICH KRIEGSHEIM, New York, and WILLIAM VAUGHAN, Brooklyn, N. Y., assignors to The Permutit Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 27, 1922. Serial No. 547,842. 8 Claims. (Cl. 23—111.)

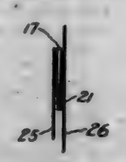
1. The process of treating glauconite which comprises submitting a bed of natural glauconite to a plurality of alternating washings with water and with a solution containing an electrolyte, with collection and removal of fine material separated by and produced in such washings.

1,538,248. MEANS FOR TRANSFERRING WARE TO LEERS. RICHARD LA FRANCE, Toledo, Ohio, assignor to The Owens Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 15, 1923. Serial No. 625,178. 4 Claims. (Cl. 198—31.)



1. The combination of a horizontally traveling conveyor, a pusher extending lengthwise thereof, a motor having connections with said pusher and operable to move it back and forth over the conveyor, a second motor, connections between said second motor and the pusher for lifting and lowering the pusher, and controlling mechanism operable to effect periodic operations of the motors in a predetermined time relation.

1,538,249. PAPER HINGE. WILLIAM A. LORENZ, Hartford, Conn. Filed Apr. 17, 1924. Serial No. 707,309. 11 Claims. (Cl. 24—67.)

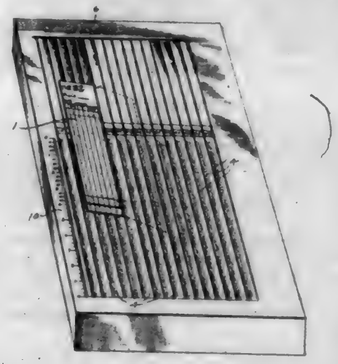


1. A paper hinge made in the form of a tube having adhesive applied to its surface at both sides near one edge thereof.

1,538,250. MEANS AND METHOD OF CALCULATING MONETARY VALUE OF ELAPSED TIME. WILLIAM J. LOVE, Jr., Piqua, Ohio. Filed Apr. 7, 1922. Serial No. 550,859. 5 Claims. (Cl. 235—89.)

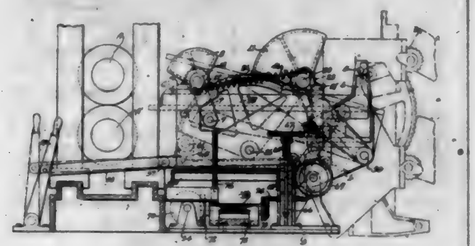
1. In an elapsed time calculator, a series of scale members, relatively fixed in relation with each other and extending longitudinally in spaced parallel and transversely inclined relation, the outer edge portions of the members having monetary scales thereon terminating in

spaced relation with the extremities of the members, and a record sheet having time records to be measured by said scales in units of monetary value, the sheet be-



ing insertable in the space between adjacent scale members, and movable to and fro in relation therewith to register different portions of the sheet with the zero indications of the scales.

1,538,251. PLATE-LIFTING MECHANISM FOR ROLLING MILLS. THOMAS MCCABE, Yorkville, Ohio. Filed June 3, 1922. Serial No. 565,730. 30 Claims. (Cl. 80—47.)



28. A plate lifting mechanism for rolling mills, comprising a receiving table arranged at the rear of the rolls of the mill, vertically-movable plate lifters arranged at opposite sides of said table for moving a plate upwardly into position to be grasped by the operator standing at the front of the mill, a counterweighted operating mechanism for raising and lowering said plate lifters, a rockable frame that carries said table, plate lifters and operating mechanism for the plate lifters, means for tilting said table to discharge a plate therefrom, and means for enabling said frame to be moved bodily into a position where it does not interfere with workmen engaged in repairing or removing the rolls of the mill.

1,538,252. SUPPORTING BRACKET. ENRIQUE MARTINEZ, Gettysburg, Pa. Filed Aug. 14, 1923. Serial No. 657,841. 2 Claims. (Cl. 45—58.)

1. A supporting bracket of the class described comprising a horizontal rack, a pair of upwardly extending parallel spaced bars having their lower ends pivotally connected to said rack, a vertically adjustable frame comprising upper and lower horizontal bars provided at their outer ends with guide eyes slidably receiving the first named bars, the lower bar of said frame being provided with a central guide, a spider having its arms connected with the frame bars, the inner ends of said arms converging toward each other and being equipped with a clamp, a ratchet bar pivotally connected at its lower



end to the intermediate portion of said rack and extending upwardly through the guide in said lower frame bar, and a pawl carried by said last named bar for engagement with the teeth of said ratchet bar.

1,538,253. SUMP NET. JOHN J. MATZ, Ketchikan, Alaska. Filed Oct. 22, 1924. Serial No. 745,225. 5 Claims. (Cl. 43—102.)

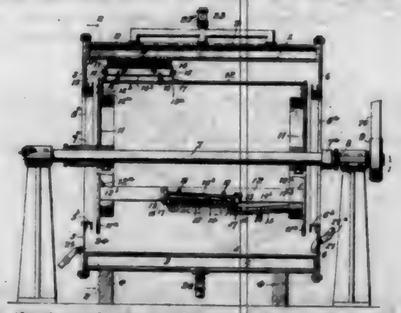


1. A sump net comprising a body portion, means for independently raising and lowering the forward and after ends of said body portion, a chute leading from said body, and a sump portion at the juncture of said chute and body disposed continually below the water level when the net is in operation substantially as described.

1,538,254. EVAPORATING APPARATUS. HOWARD S. MELLOTT, Morenci, Mich., assignor to By-Products Recovery Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 19, 1915. Serial No. 22,510. 5 Claims. (Cl. 139—6.)

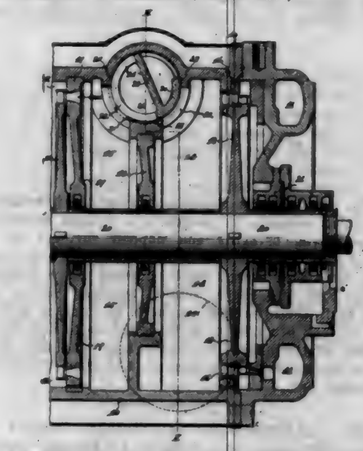
1. In an evaporating apparatus, the combination of a stationary cylindrical container, means for heating the wall thereof, means for introducing material to be treated into the container, a rotatable conveyor mechanism positioned within the container, said conveyor mechanism having a brushing surface extending longitudinally at an angle, and movable into contact with the surface of the container, and means for rotating the conveyor mechanism at a high speed, whereby to impart continuous

and simultaneous circumferential and endwise movement to a layer of material in contact with the heating wall of the container, while maintaining a central quiet zone



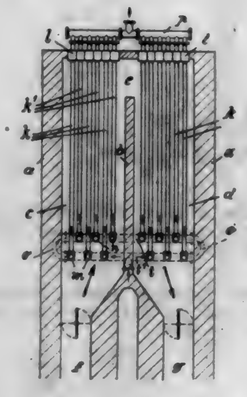
for the inward escape of vapors from said layer, and said container having a free discharge at its end for said vapors.

1,538,255. TURBINE BLEEDER VALVE. JAMES LEONARD MOORE, Wellsville, N. Y., assignor to The Moore Steam Turbine Corporation, Wellsville, N. Y., a Corporation of New York. Filed Mar. 16, 1922. Serial No. 544,148. 5 Claims. (Cl. 60—67.)



1. A multi-stage expansion steam turbine comprising a casing having a live steam or high pressure inlet and final low pressure outlet, means for effecting a plurality of stages of expansion within said casing and interposed between said inlet and outlet, a diaphragm within the casing separating one stage of expansion from a succeeding stage of expansion and provided with an opening for the passage of the steam from one stage to the adjacent succeeding stage of expansion, an intermediate steam pressure outlet communicating with a stage ahead of the diaphragm and receiving expanded steam and exterior of the casing, a rotary cylindrical bleeder valve disposed in said opening and solely supported at its ends and having ports, arranged and adapted to control the passage of the expanded steam through said opening from one stage to a succeeding stage or into the intermediate fluid pressure outlet, said bleeder valve provided with a clearance between its seat and valve body whereby said valve will not rust or stick to its seat or turbine casing and also permit a small volume of expanded steam to constantly pass through said clearance to the other stages of expansion between said diaphragm and final low pressure outlet when said bleeder valve is in its closed position.

1,538,256. FUEL ECONOMIZER. FRIEDRICH MÜNZINGER, Berlin, Germany, assignor to the Firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Filed Sept. 3, 1921. Serial No. 498,526. 2 Claims. (Cl. 122—44.)



1. Fuel economizer comprising in combination, juxtaposed rows of substantially vertical circulating tubes, the tubes in alternating rows differing in length, the upper ends of all the tubes being disposed at the same level, juxtaposed upper headers arranged in close contact with one another connecting the upper ends of said rows of tubes, lower headers connecting the lower ends and being disposed at two different levels and means for causing heating gases to travel lengthwise of said tubes and to enter and leave between the lower headers.

1,538,257. BUFFER FOR AUTOMOBILES. NORBERT L. OBRECHT, Mount Clemens, Mich. Filed Sept. 22, 1921. Serial No. 502,331. 4 Claims. (Cl. 293—55.)

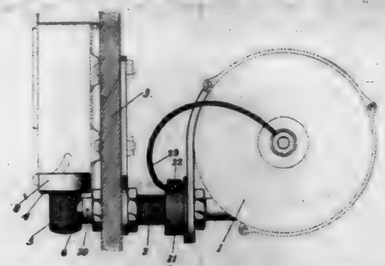


4. An end bumper for vehicles comprising an angular spring metal side member for each side of the vehicle attachable at one end thereto and extending forwardly and outwardly thereof and then turned inwardly to meet the opposite side member at a point substantially midway the width of the vehicle and forward thereof, a front spring metal member angularly shaped to fit over the meeting angle of the inwardly extending portion of the side members and secured to said side members so that the front member and side members comprise a unitary resilient structure.

1,538,258. IGNITION HEAD FOR CIGAR AND CIGARETTE LIGHTERS. LEWIS PENGILLY, Stockton, Calif. Filed Mar. 4, 1924. Serial No. 696,767. 11 Claims. (Cl. 219—82.)

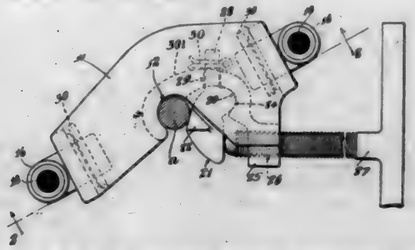
1. An ignition head for cigar and cigarette lighters comprising an open-topped body member, a disc adapted

to rest on the rim of the body, a heating element carried by the disc, means independent of the disc for removably



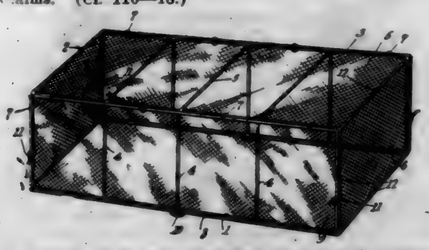
holding said disc in place, and contact means in the body with which the heating element is then automatically engaged.

1,538,259. GRIP. JAMES P. RATIGAN, Huntington Park, Calif. Filed June 21, 1924. Serial No. 721,607. 12 Claims. (Cl. 24—249.)



1. A grip of the character described comprising a body having a recess in one side and a slot opposite to the recess, the rear wall portion of the slot being concave, a pressure block projecting into the recess and provided with a convex face fulcrumed against the concave wall portion, and means on the body to force the block about its fulcrum toward the wall of the recess.

1,538,260. TOBACCO-FIRING DEVICE. BENJAMIN SEYMOUR STREET and SELDON R. GLENN, Louisville, Ky. Filed Oct. 31, 1923. Serial No. 671,999. 2 Claims. (Cl. 110—18.)



1. A device of the class described including top, bottom and end frames, door frames hingedly connected to and adapted to swing freely relative to the respective side portions of the top frame, said door frames being foldable onto the top frame and adapted to swing by gravity to position across the space between the end frames and foraminous coverings upon the top, end and door frames.

1,538,261. HAT-BLEACHING COMPOSITION. MIKE N. TERPINAS, Frankfort, Ind. Filed Sept. 1, 1923. Serial No. 660,044. 3 Claims. (Cl. 8—2.)

3. A hat bleach compound including aproximately one pound of gum arabic, one and one-half pounds of whiting, one pound of zinc oxalate, three pounds of white sulphur, and one half pint of alcohol.

1,538,262. GLOVE. ALBERT C. ACKERMAN, Ballston Spa, N. Y. Filed Oct. 10, 1924. Serial No. 742,795. 1 Claim. (Cl. 2—169.)



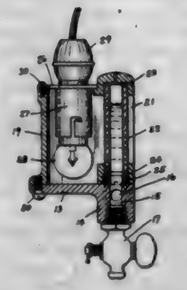
A glove blank made of knit fabric having the fingers and thumb in one piece of material with the hand and formed on one side with a cut extended inwardly between the thumb and the forefinger toward the middle of the blank and formed on the opposite side with an edge portion extending diagonally from the base of the little finger inwardly toward the wrist.

1,538,263. METHOD OF MAKING GLOVES. ALBERT C. ACKERMAN, Ballston Spa, N. Y. Filed Oct. 17, 1924. Serial No. 744,218. 5 Claims. (Cl. 2—169.)



1. The hereinbefore described method of making a glove which consists in producing a napped surface on suitable fabric, bringing the napped surfaces of two layers of said fabric together and causing them to adhere, cutting from said layers while adhering glove blanks of the same size and shape, sewing together two of such blanks with their napped surfaces in contact and adhering to each other by a continuous line of stitching at the edges of the blanks extending from one side of the wrist to the opposite side thereof, and then turning the glove inside out.

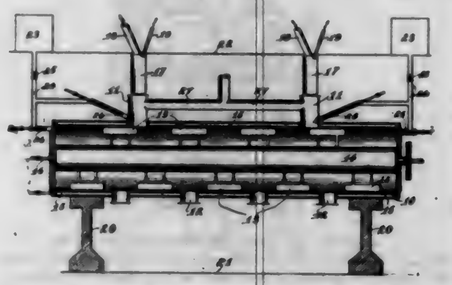
1,538,264. ILLUMINATED OIL GAUGE. NEIL T. ALBRIGHT, Kokomo, Ind., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind., a Corporation. Filed Mar. 28, 1924. Serial No. 702,580. 3 Claims. (Cl. 73—54.)



1. An oil gauge comprising a supporting base plate, a hollow casting opened at its top and bottom adapted to be mounted on and detachably secured to said base plate, said casting being provided with sockets for receiving

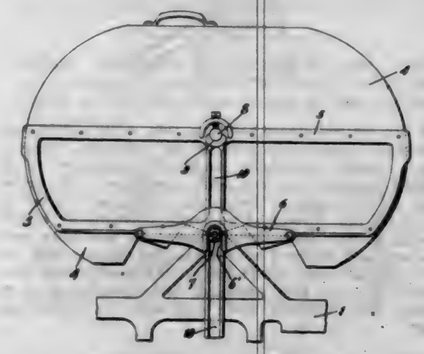
a glass gauge tube and with a slot formed therein to expose one side of a glass tube when mounted in said sockets, and a lamp supporting plate mounted on and detachably secured to the upper edge of said casting for closing its upper opening and forming an enclosed illuminating chamber for said gauge tube.

1,538,265. PROCESS FOR RECOVERING NICOTINE FROM TOBACCO. ROBERT B. ARNOLD, St. Louis, Mo., assignor to Hall Tobacco Chemical Company, New York, N. Y., a Corporation of New Jersey. Filed Feb. 21, 1922. Serial No. 538,250. 11 Claims. (Cl. 167—4.)



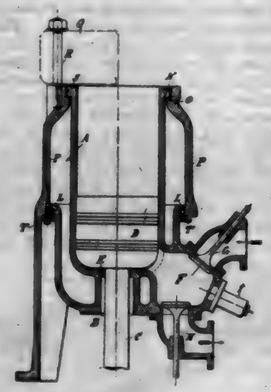
5. The process of recovering nicotine from tobacco material which consists in mixing the material with a dry alkali and with an amount of water substantially equal only to that necessary for generating the minimum quantity of steam capable of extracting and carrying off all the nicotine present in the tobacco material and in heating the mixture to transform the water into steam for carrying off the extracted nicotine.

1,538,266. WASHING MACHINE. THOMAS W. BEHAN and HERMAN W. DOUGHTY, Binghamton, N. Y., assignors to The Nineteen Hundred Washer Company, Binghamton, N. Y., a Corporation of New York. Filed Aug. 19, 1924. Serial No. 732,920. 6 Claims. (Cl. 259—75.)



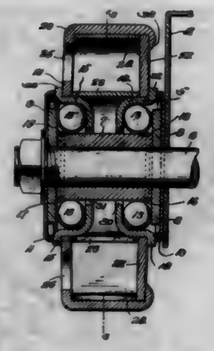
1. In a washing machine of the oscillating type, a tub, a pair of oscillating levers provided at the top with slots within which the tub is detachably supported, and a spring for retaining the tub on said levers and for cushioning all reversal of movement of the tub upon the oscillations of said levers.

1,538,267. DOUBLE-ACTING FOUR-STROKE DIESEL MOTOR. HANS HENRIK BLACHE, Hellerup, near Copenhagen, Denmark. Filed Apr. 27, 1923. Serial No. 635,113. 3 Claims. (Cl. 123—63.)



1. In a double-acting four-stroke Diesel engine having its cylinder liner suspended at its top so as to be free to expand downwardly, in combination, a cylinder liner, a bottom cover formed integrally with the cylinder liner and formed to receive a piston rod, a valve chamber integral with the combined cylinder liner and bottom cover, all necessary valves being fitted in the valve chamber, a flanged cooling jacket formed of a plurality of pieces and constituting a part of the engine frame and so connected to the cylinder bottom as to permit free expansion downwardly of the cylinder liner and valve casing relative to the cooling jacket.

1,538,268. SKATE WHEEL. HERMAN CASLER, Canastota, N. Y., assignor to Production Engineering Corporation, Canastota, N. Y. Filed Feb. 11, 1924. Serial No. 692,111. 2 Claims. (Cl. 208—181.)

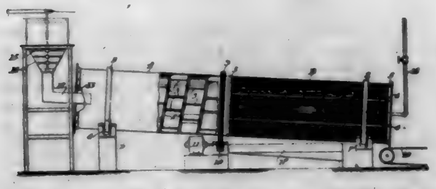


1. A wheel comprising a hub having circumferential grooves therein, bearing cups and ball bearings therefor mounted on the hub, split wire coils in said grooves to prevent displacement of said ball bearings, a tread member having a side wall resting upon one of said cups, a disk resting upon the other of said cups and engaging the tread member, inner and outer spaced split bands extending between said side wall and said disk, said inner band spanning and resting upon the said cups, and the said outer band snugly seated within the tread member.

1,538,269. TREATING BLACK LIQUORS FROM THE CAUSTIC-SODA TREATMENT OF CELLULOSIC SUBSTANCES. LOUIS JEAN BAPTISTE AUGUSTIN COLAS, Paris, France, assignor to himself and Andre Paul Joseph Colas, Paris, France, and Société l'Alfa, Société Anonyme pour la Fabrication des Pâtes de Cellulose, Paris, France, a Company of France. Filed Apr. 30, 1923. Serial No. 635,774. 4 Claims. (Cl. 252—7.)

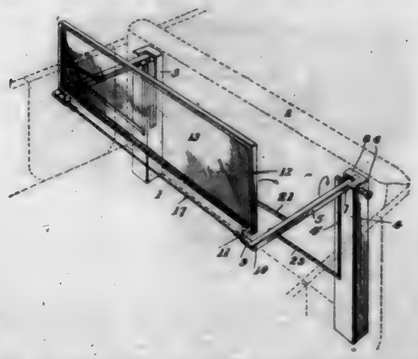
1. A process of treating the black liquors obtained from the lixiviation of vegetable matter with caustic soda for the purpose of extracting the substances contained therein, comprising the steps of subjecting the liquor to the action of a flocculating agent to coagulate the fine particles of material; extracting the coagulated particles and the larger particles in suspension in the interstitiary liquid; subjecting the residual liquid to the action of a base to separate the remaining fine particles and a portion of the substances in solution; and then freeing the liquid from said separated particles and substances.

1,538,270. METHOD FOR AGITATING, WASHING, AND DRYING. DAVID C. COLLIER, Santa Fe, N. Mex. Filed Jan. 15, 1921. Serial No. 437,570. 6 Claims. (Cl. 83—85.)



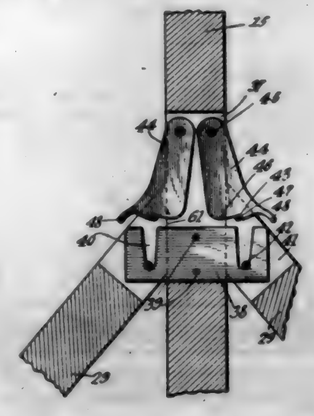
1. The method of separating constituents of a pulverulent material, which consists in mixing the material with a liquid comprising a constituent having the property of selectively agglomerating particles of one of said constituents and then repeatedly bringing portions of the mixture into impacting contact with each other to promote agglomeration and removing the particles of another constituent together with the residual liquid.

1,538,271. WINDSHIELD FOR AUTOMOBILES. HARRISON W. CONNER, Boston, Mass. Filed Sept. 25, 1919. Serial No. 326,301. 14 Claims. (Cl. 296—85.)



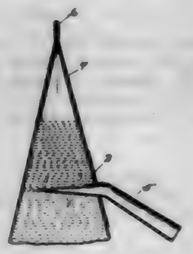
1. A tonneau wind shield comprising supports, arms pivotally and slidably mounted in said supports, detachable pins upon which said arms are pivotally mounted, said arms being capable of sliding in said supports when the detachable pins are removed and a wind shield frame pivotally mounted on the free ends of said arms.

1,538,272. PLAYGROUND APPARATUS. JAY COOK, Coldwater, Mich. Filed Mar. 18, 1924. Serial No. 700,095. 4 Claims. (Cl. 272—62.)



2. In a device of the class described, a frame comprising a standard, an inclined brace cooperating with the standard, a hanger mounted on the standard and having a seat, a projection carried by the brace and received in the seat, a keeper on the brace, and a latch pivoted to the standard and engaged with the keeper.

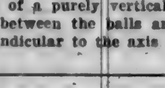
1,538,273. TAP FOR LIQUID CONTAINERS. MARY A. DARROW, Miami, Fla. Filed July 13, 1923. Serial No. 651,407. 1 Claim. (Cl. 221—23.)



A tap for containers having a thin easily puncturable side wall angularly inclined to the horizontal, comprising a pointed, conically shaped tube adapted to be pushed through said side wall, apertures in the upper wall of said tube, a flange on said tube inclined to the axial line thereof at an angle substantially supplemental to the angle of inclination of said side wall, whereby said flange is adapted to abut against said side wall for maintaining said tube in the substantially horizontal position, said apertures being positioned to be within said container when said stop abuts said side wall.

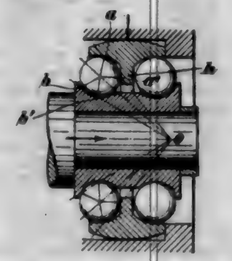
1,538,274. SWITCH MOUNTING. VICTOR R. DESPARD, Valparaiso, Ind., assignor to McGill Manufacturing Company, Valparaiso, Ind., a Corporation of Indiana. Filed Apr. 27, 1922. Serial No. 556,997. 10 Claims. (Cl. 200—168.)

1. In a device of the character described, a housing comprising a hollow body portion and a cap member, said body portion having a cut out portion in the edge thereof and said cap member having an interrupted flange embracing said body portion, an interruption in



said flange lying opposite said cut out portion, the end wall portion of said cap having a cut out portion adjacent said interruption in said flange.

1,538,275. BALL BEARING. ADOLF DOWALD, Bremen, Germany. Filed Jan. 26, 1924. Serial No. 688,786. 1 Claim. (Cl. 308—230.)



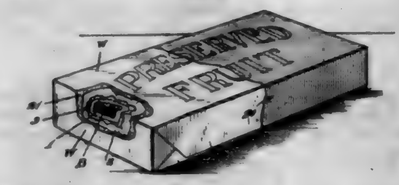
A ball bearing having inner and outer rings, each with double races for double sets of balls, said rings being arranged concentrically about a horizontal axis, and double sets of balls interposed in said race between the two rings, the inner and the outer rings having curved faces for taking up the radial thrust which faces are of larger curvatures than that of the balls and lateral faces normally out of contact with the balls for taking up the axial thrust and arranged so as to act in opposite directions to each other, the relative positions of the points of contact between the balls and the rings and their lateral faces in cases of combined horizontal and vertical stresses being such that the lines connecting two points of contact between the balls and the inner ring and those connecting the two points of contact between the balls and the outer ring lie on imaginary cones having a common apex at the axis of the bearing, whilst in the case of a purely vertical thrust the only points of contact between the balls and the two rings lie in planes perpendicular to the axis of the bearing.

1,538,276. BOLL-WEEVIL EXTERMINATOR. JEROME J. B. DEBEERN, Jefferson, Tex. Filed Oct. 29, 1923. Serial No. 671,429. Renewed Apr. 4, 1925. 2 Claims. (Cl. 43—144.)



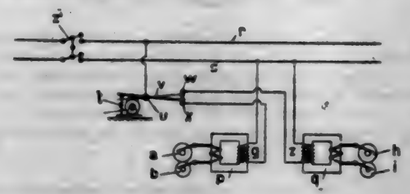
1. In a boll weevil exterminator of the character described, an inverted substantially U-shaped frame having outturned end members forming co-axial axles, supporting wheels journalled upon said axles, a pair of handles having their rear ends secured upon the outer ends of said axles, brace rods connecting the upper intermediate portion of the frame with each of said handles, supply tanks supported by and arranged in the upper corners of said frame, fuel supply pipes rigid with and depending rearwardly from each of said tanks and equipped with burners upon the lower ends thereof, normally arranged in close proximity to the ground, means supported by said handles forwardly of the tanks and burners for removing insects from standing plants upon forward travel of the device, the braces between the frame and the handles being adjustable for tilting the frame and varying the distance between the burners and the insect removing means.

1,538,277. ART OF PACKING AND PRESERVING FRUITS AND OTHER FOOD PRODUCTS AND COMMODITIES. CALEB C. DULA, Yonkers, N. Y. Filed Feb. 8, 1924. Serial No. 691,381. 2 Claims. (Cl. 99—8.)



1. The method of preserving commodities which includes enclosing the same in a wrapper composed of superimposed layers of foil and paper connected throughout by a waxy material between the foil and paper, completely enclosing the embryo package in an outer wrapper of paper and treating the outer wrapper with a waxy substance in a fluid state, thereby to thoroughly impregnate the outer wrapper and seal it to the inner wrapper.

1,538,278. ELECTRIC WELDING. SVEND DYHR, Berlin-Charlottenburg, Germany, assignor to Deutsche-Schweissmaschinen-Fabrik, Becker & Co., A. G., Berlin-Schoneberg, Germany. Filed Aug. 26, 1921. Serial No. 495,770. 5 Claims. (Cl. 219—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

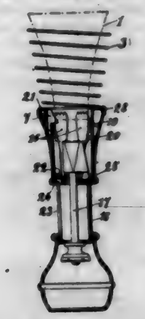


1. The method of electric resistance welding which comprises supplying current from the same mains to two pairs of continuously advancing disc-shaped roller electrodes, causing such electrodes to weld separate seams spot by spot, in such manner that a current impulse for welding a spot is sent alternately through one and the other pair of electrodes, and keeping the duration of the impulses and intervals approximately equal.

1,538,279. TOILET BRUSH. MARGUERITE FAUCON, née Berger, St. Mande, France. Filed May 3, 1920. Serial No. 378,599. 2 Claims. (Cl. 15—194.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

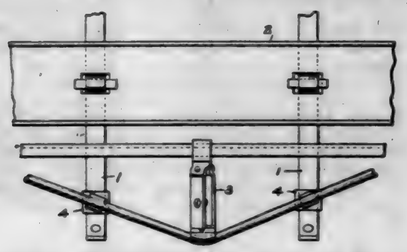
1. In a toilet brush, the combination of a hollow handle, a brush element removably secured to said handle, binding means surrounding said brush element for securing the bristles thereof, resilient clamps car-

ried by said handle, a slidable sleeve carried by said handle and surrounding said clamps and adapted to tighten the latter on the tuft when the sleeve is



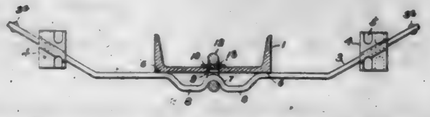
slid over the same, and a knife member disposed within the sleeve and adapted to cut the said binding means upon the insertion of the brush element between the clamps.

1,538,280. SHOE FOR BRAKE-BEAM SUPPORTS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed May 15, 1924. Serial No. 713,559. 3 Claims. (Cl. 188—213.)



3. A shoe for a supplemental support of a brake beam consisting of a body portion slotted for the reception of a supporting rail and provided on opposite sides with open-ended saddles for the reception of the tension member of a brake beam, said saddles being arranged at an angle to each other and to the axis of the body portion.

1,538,281. SECURING BRAKE-BEAM SUPPORTS TO SPRING PLANKS. WILLIAM E. FOWLER, Jr., Mount Lebanon, Pa., assignor to Davis Brake Beam Company, Johnstown, Pa., a Corporation of Pennsylvania. Filed July 8, 1924. Serial No. 724,808. 3 Claims. (Cl. 188—213.)



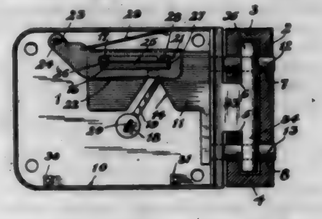
2. The combination of a spring plank of a car truck having an opening therethrough, a supporting rail having spaced points of bearing on the underside of the plank, a link surrounding the rail at a point intermediate the points of bearing on the plank and projecting through the opening in the plank and means passing through the portion of the link projecting through the opening and bearing on the plank for supporting the link.

1,538,282. GUARD AND LEDGER PLATE FOR MOWERS. VIRGIL W. FRY, Sandborn, Ind. Filed July 23, 1923. Serial No. 653,252. 1 Claim. (Cl. 56—311.)



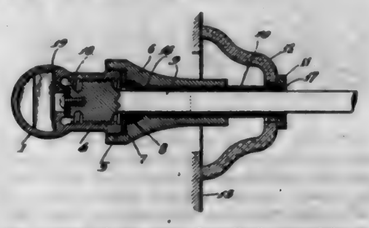
In a cutter mechanism the combination with a finger bar and guard having an opening, of a ledger plate with an opening and adapted to be inserted in said guard, a projection on the end of said ledger plate adapted to be inserted in the guard opening, a lug on said guard adapted to extend through the ledger plate opening, said lug having a recess formed thereunder, a removable key having an upwardly curved head thereon adapted to extend through the opening in said ledger plate, bearing firmly against the lower edge thereof and extending into said recess, and means for clamping said guard and finger bar to each other so as to cause said finger bar to engage the rear end of said key and force it downwardly against the lower edge of said ledger plate thereby causing said head to be forced upwardly and wedged in the recess in said guard so as to draw said ledger plate downwardly and hold it firmly therein.

1,538,283. LOCK. ABRAHAM GERTSFELD, New York, N. Y. Filed May 6, 1924. Serial No. 711,324. 3 Claims. (Cl. 70—46.)



1. A lock having a pair of bolts, an extension projecting from the lock between the bolts, said extension having lateral projections at its end extending in front of the bolts and provided with bolt openings through which said bolts may project, a keeper having portions adapted to lie on both sides of said lateral portions of the lock and having portions adapted to extend around the ends thereof, said kepeer being provided with bolt openings located on both sides of said lateral portions, said bolt openings being located in alignment with the bolt openings in said lateral portions and adapted to receive the bolts when the same are projected out of the lock.

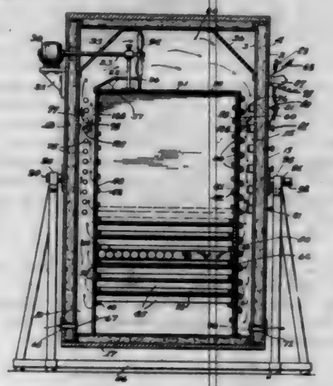
1,538,284. PARTITION VALVE. MYRON J. GLAUBER, Los Angeles, Calif. Filed June 25, 1924. Serial No. 722,284. 9 Claims. (Cl. 137—111.)



1. An article of the class described comprising a valve body having a relatively short tubular branch, a tapered extension cap screw threaded to the said short branch,

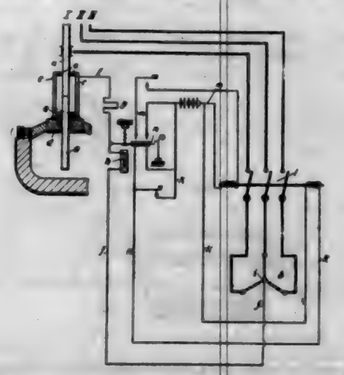
said extension cap having a plurality of sides, and an escutcheon and means adapted to be secured to the said extension cap for maintaining the said escutcheon in position.

1,538,285. INCUBATOR. BEN JOHNSON, New Orleans, La., assignor of two-thirds to Victor C. Smith and one-third to William W. Wall, both of New Orleans, La. Filed May 17, 1924. Serial No. 714,003. 9 Claims. (Cl. 119—37.)



1. In an incubator adapted to receive and hatch eggs, the combination of a closed chamber adapted to be oscillated; a frame within said chamber provided with trays closely fitting said frame and forming separate tray compartments therein; said frame being further provided with oppositely disposed perforated sides whereby air may pass through said tray compartments; a passage around three sides of said frame connecting said oppositely disposed perforations; means to circulate air through said passage and through said tray compartments; means to control the circulation of said air; means to heat said air; automatic means to regulate the temperature of said air; and means to oscillate said chamber whereby the position of the eggs may be changed.

1,538,286. PROTECTING DEVICE FOR THE COOLING CYLINDERS OF THE ELECTRODES OF FURNACES HEATED BY ARCS. EDMUND KRAUSE, Henigsdorf, near Berlin, Germany. Filed Apr. 17, 1924. Serial No. 707,252. 6 Claims. (Cl. 204—64.)

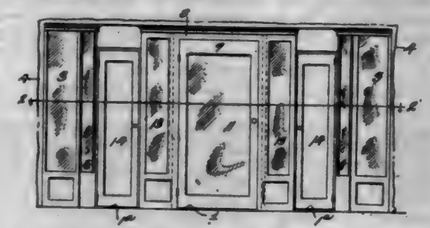


1. A protecting device for the cooling cylinder of the electrodes of furnaces heated by arcs, characterized in that not only are the electrodes insulated from the cooling cylinders or rings, but the cooling cylinders or rings are themselves insulated from the body of the furnace and are connected by an electrically conducting path to the furnace transformer or current generator, a switch device, which becomes effective in case of an electrode breaking, being interposed.

1,538,287. PROCESS OF DEODORIZING KEROSENE. WOLF KRITCHEVSKY and HAROLD C. PRUTSMAN, Chicago, Ill., assignors to William Citron, trustee, Chicago, Ill. Filed July 2, 1924. Serial No. 723,649. 3 Claims. (Cl. 196—39.)

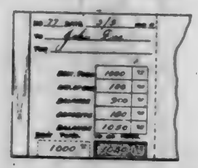
1. The method of deodorizing kerosene which consists in treating the same with chlorsulphonic acid, then washing, then treating with an alkali, and then treating with a solid absorbent colloid.

1,538,288. STORE FRONT. PAUL O. KUEHN, South Bend, Ind. Filed Jan. 29, 1923. Serial No. 615,502 4 Claims. (Cl. 20—40.)



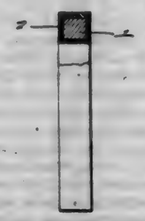
1. The combination with a vestibule entrance of a store front, said vestibule having a passage therethrough and a door at its outer end, of means for closing the inner end of the vestibule whereby the vestibule may be entirely closed and used as a display window.

1,538,289. CHECK BOOK. THOMAS C. LARTER, Los Angeles, Calif. Filed Mar. 29, 1924. Serial No. 702,758. 7 Claims. (Cl. 283—58.)



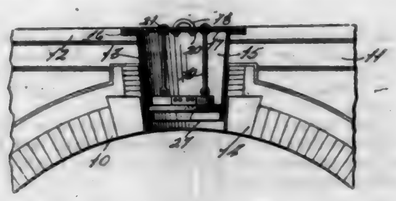
1. In a check book, a series of superimposed blanks comprising stubs, each provided with means permitting a balance going forward to be written therethrough and directly upon a succeeding stub.

1,538,290. PACKING RING. JULES A. LE BLANC, Port Arthur, Tex. Filed Mar. 20, 1924. Serial No. 700,738. 1 Claim. (Cl. 288—1.)



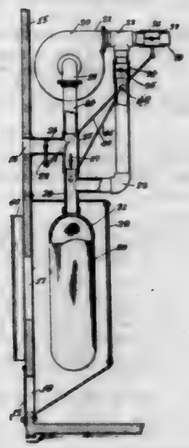
A packing ring structure including as an element an annular ring formed from the wood of tupelo root.

1,538,291. CHARGING-HOLE CLOSURE FOR INCINERATORS. Gus F. Lenk, Dallas, Tex., assignor to Superior Incinerator Company of Texas, Dallas, Tex., a Corporation of Delaware. Filed Sept. 29, 1923. Serial No. 665,614. 3 Claims. (Cl. 110—1.)



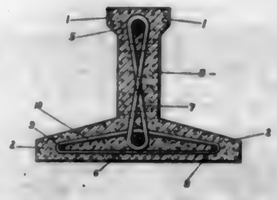
1. In a charging hole closure for furnaces, an annular fire resisting tile having a boss on its upper side and a circumferential groove, an annular split metal hanger surrounding the boss and having an inwardly directed flange engaging in the groove of the tile, splice plates connecting the parts of the hanger, the tile extending radially beyond the hanger and plates and means for supporting the hanger in a charging hole.

1,538,292. DUST ERADICATOR FOR MOVING VEHICLES OR BUILDINGS. Lycurgus Lindsay, Los Angeles, Calif. Filed Aug. 24, 1923. Serial No. 659,142. 3 Claims. (Cl. 183—39.)



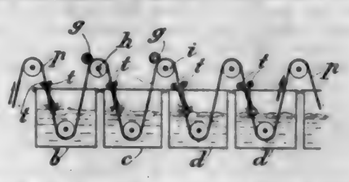
1. The combination with a wall having an upper opening and a lower opening, of a housing covering the lower opening, a blower mounted above the housing and having an intake pipe extending into the housing, an air filter in the housing connected to the intake pipe, a side branch leading from the upper opening into the intake pipe, a branch pipe leading from the outlet of the blower to the intake pipe, a discharge pipe leading from the blower, a valve in the intake pipe below the branch, a valve in the branch of the intake pipe, a valve in the branch of the discharge pipe, and a valve in the discharge pipe, so that when the valve in the intake pipe and the valve in the discharge pipe are open and the other valves closed and the blower operating, air will be drawn through the lower opening through the filter and blower and discharged through the discharge pipe, and so that when these valves are closed and the other valves open, air will be drawn through the blower and passed backwardly through the filter to remove the dust upon the filter.

1,538,293. REENFORCED-CONCRETE BEAM. Pedro Bernardo Loyeau, Buenos Aires, Argentina. Filed Feb. 21, 1924. Serial No. 694,835. 1 Claim. (Cl. 72—62.)



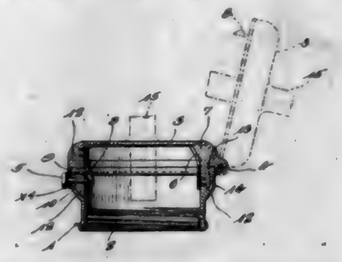
A reenforced concrete beam comprising a duoble T-shaped concrete structure having upper arms and lower arms, said upper and lower arms being connected together by a web portion having a series of openings formed transversely therethrough; an iron bar arranged longitudinally in the web portion between said upper arms; an iron bar arranged longitudinally in the portion between said lower arms; a plurality of vertically arranged S-shaped rods in the web portion for securing said bars together; a longitudinally arranged bar for each lower arm; and a plurality of looped horizontal rods separate from the first-named rods arranged around and connecting said last-named bars together, said looped rods having their upper members resting on the iron bar in the web portion of the lower arms.

1,538,294. PROCESS OF NITRATING REGENERATED CELLULOSE FILMS OR PAPER. Louis Lumière, Lyon, France, assignor to Societe Anonyme "Union Photographique Industrielle, Etablissements Lumiere & Jougla Reunis," Lyon, France. Filed Apr. 4, 1924. Serial No. 704,254. 4 Claims. (Cl. 18—57.)



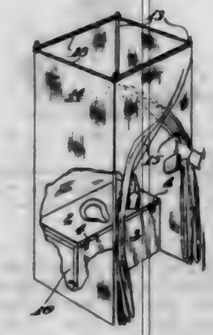
3. Process of nitrating regenerated cellulose films consisting in subjecting the film to successive and alternate washings of nitric and sulphuric acids, then washing the film in water and drying same.

1,538,295. SELF-OPENING CAP. John C. Lyman and John W. Jones, Salt Lake City, Utah. Filed Dec. 11, 1922. Serial No. 606,211. 1 Claim. (Cl. 220—35.)



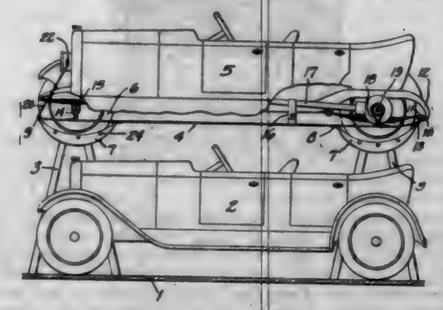
A device of the class described comprising an open ended body member, the lower end of which is internally threaded, a lid member hinged at one edge to the upper end of said body member, a spring secured at one end to the inside of the upper end portion of said body member and having its other end bearing against the inside of said lid member to urge said lid member to open position, a spring latch secured at its upper end to the inside of said lid member at a point diametrically opposite from said spring and having its lower end projecting below the lower side of said lid member, a lug formed upon the inside of the upper end portion of said body member and positioned for engagement by the lower end of said latch to hold said lid member closed, a push button slidably mounted transversely through the wall of said lid member and having its inner end positioned to engage and move the lower end of said latch out of engagement with said lug, a head upon the outer end of said push button, said head being disposed upon the outside of said body member so as to be readily depressed, and a spring confined between said head and the outside of said body member.

1,538,296. AUTOMOBILE COMFORT STATION. David D. McDonald, Ontario, Calif. Filed June 15, 1923. Serial No. 645,556. 3 Claims. (Cl. 135—1.)



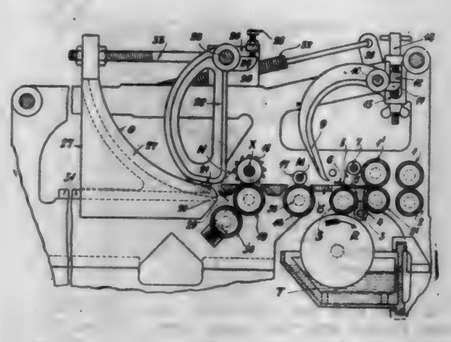
1. In a collapsible comfort station, adapted to receive a box, tent poles to be set up at the corners of the box, the poles having hollow tops, and a tent sheet attached to the pole tops so as to enclose the box, the sheet having hooks to enter the pole tops and hanging loose on the poles.

1,538,297. PROTECTING SHIELD FOR USE IN SHIPPING AUTOMOBILES. William Ledyard Mitchell, Grossepointe Farms, Mich. Filed Dec. 30, 1924. Serial No. 758,958. 4 Claims. (Cl. 45—105.)



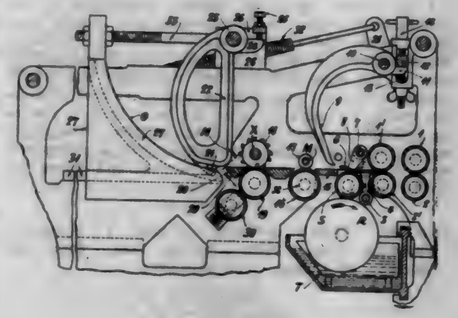
1. A device for use in shipping automobiles, wherein one automobile is placed over another, consisting of a canvas disposed between the two automobiles and pockets in said canvas adapted to receive the wheels of the top automobile whereby liquids dripping from the top automobile or the wheels thereof may be collected and the bottom automobile protected.

1,538,298. APPARATUS FOR FOLDING OF CARTON BLANKS. John W. Nasmith, Manchester, England. Filed Apr. 21, 1924. Serial No. 707,990. 5 Claims. (Cl. 93—49.)



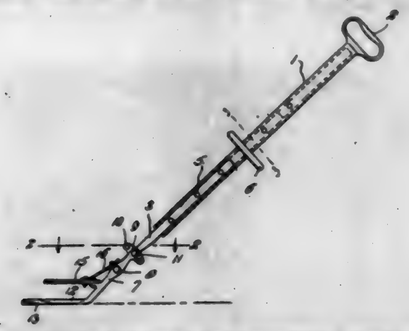
1. Apparatus for folding carton blanks, comprising feed rollers, traversing rollers for the carton blank, inclined blades upon which the foremost flap of the carton blank ascends, yielding levers to check momentarily the foremost edge of said flap to turn it over upon the blank centre, toothed or like wheels under which the blank with its foremost flap folded may pass, and yieldable levers to check the folded edge momentarily to allow the toothed or like wheels to raise the outer edge of the rear flap, in the direction of traverse of the blank, and on their return movement to discharge the now collapsed carton blank to press rollers in a delivery chute.

1,538,299. PROCESS FOR THE FOLDING OF CARTON BLANKS. John W. Nasmith, Manchester, England. Filed Apr. 21, 1924. Serial No. 707,991. 2 Claims. (Cl. 93—49.)



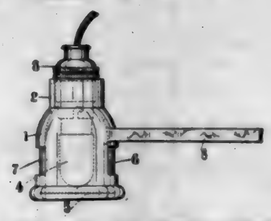
1. As a step in the preparation of a carton after the carton blank has been creased on the lines on which it is to be folded, folding the side flaps over upon the blank body by traversing the blank through an apparatus in a direction at right angles to the creases of the said blank by means of a series of rollers, raising the outer edge of the foremost flap by fixed means within the apparatus and pressing same against members which fold it over backwards upon the blank body, and raising the rear flap of the blank to collapse the latter by means operating in the direction of traverse of the blank co-acting with means against which the folded over junction of the foremost flap and blank body presses.

1,538,300. BRIAR KNIFE AND BRUSH HOOK. JOSEPH C. RANEY, Chadwick, Mo. Filed Feb. 28, 1924. Serial No. 695,762. 1 Claim. (Cl. 30—9.)



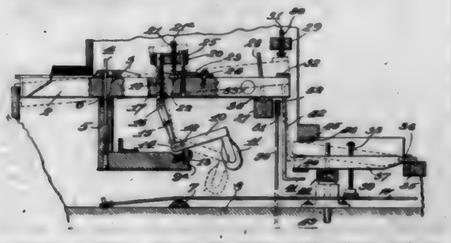
A briar knife and brush hook comprising a shank, an arm pivoted upon the shank, means for securing the arm at an adjusted position with relation to the shank, a blade carried by the arm, a guard pivoted upon the arm at a point above the blade, and means for adjustably securing the guard with relation to the arm.

1,538,301. LAMP FOR MOTOR ROAD VEHICLES. WILLIAM FRANCIS MERKAN ROSS, Hammersmith, London, England. Filed July 22, 1924. Serial No. 727,563. 7 Claims. (Cl. 240—7.)



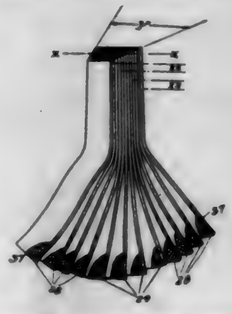
1. An electric lamp for vehicles comprising a body part made of rubber or like material stiff enough to be indeformable, and a supporting arm made of rubber or like material stiff enough to stand up and support the body of the lamp under normal conditions but flexible enough to be bent out of shape under external pressure and resilient enough to cause the body part to resume its original position when such external pressure is removed, said body part being fitted with a transparent element and so shaped as to enclose and house the electric bulb.

1,538,302. PIANO ACTION. HENRY F. SCHENUIT, Pasadena, Calif. Filed Apr. 18, 1922. Serial No. 555,105. 20 Claims. (Cl. 84—238.)



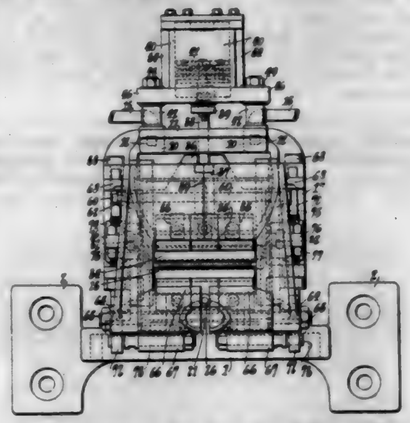
11. In a piano, the combination with piano strings, of a piano action mounted above the strings and including hammers, a key for each hammer, a yieldable fulcrum for each key, and an actuating connection between each key and its hammer arranged to cause downward swinging of the hammer to strike its string when the key is struck, and subsequent elevation of the hammer from its string upon continued depression of the key so as to cause yielding of said fulcrum.

1,538,303. TRANSMISSION BELT. CHARLES R. SHORT, Dayton, Ohio, assignor, by direct and mesne assignments, of three-fourths to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware, and one-fourth to The Dayton Rubber Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Dec. 28, 1921. Serial No. 525,356. 16 Claims. (Cl. 74—63.)



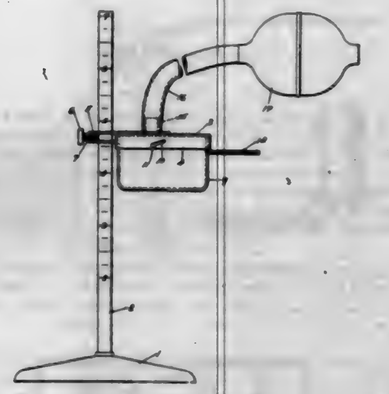
1. A V-shaped side-driving transmission belt having circumferential layers of fabric whose edges lie in the side surfaces of the belt; and vulcanized rubber uniting said layers.

1,538,304. DEVICE FOR REMOVING SCALE AND SURFACE DEFECTS FROM STEEL WHILE BEING ROLLED HOT. JOHN L. SMITH, Hamilton, Ontario, Canada. Filed May 25, 1923. Serial No. 641,453. 31 Claims. (Cl. 29—81.)



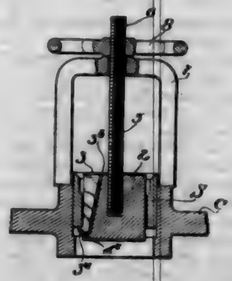
1. An apparatus of the class described comprising a lower stationary scraping means consisting of a pair of scrapers spaced apart in the direction of movement of the work, an upper scraping means consisting of a corresponding pair of scraping elements associated with the lower scraping elements, means for moving the upper scraping elements toward and from the lower scraping elements and means operated by the upward movement of such upper scraping elements for raising the approaching work clear of the lower scraping elements whereby the advance end of the work will be prevented from engaging the lower scraper, thereby preventing cobbles forming in the bar.

1,538,305. SKIRT MARKER. LETHA B. SMITH, Portland, Oreg. Filed Dec. 19, 1921. Serial No. 523,487. 5 Claims. (Cl. 33—9.)



1. In a device of the kind described, the combination with a closed receptacle having a discharge mouthpiece, of means for loading the atmosphere within the receptacle with powder in suspension only, and for ejecting said powder-laden atmosphere through the mouthpiece.

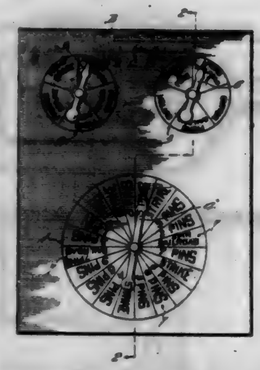
1,538,306. PUMP-VALVE SEAT AND LINER PULLER. HENRY W. STEWART, Long Beach, Calif. Filed Oct. 8, 1923. Serial No. 667,255. 5 Claims. (Cl. 29—86.3.)



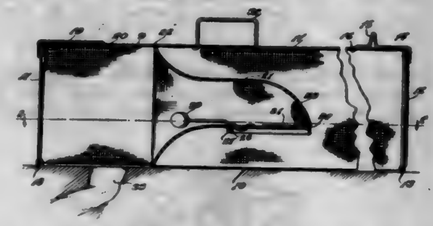
1. A valve seat and liner puller comprising a body having a shank with a threaded portion, a bridge-forming element slidably mounted on the shank and adapted to bear on a primary supporting part in which the valve seat or liner is mounted, means on the upper end of the shank to engage the said bridge-forming element and operative to pull the said body, and hook devices slidably mounted on the outside of said body and adapted to automatically move to an effective position below the end of a valve seat or liner to be pulled.

1,538,307. GAME. GUSTAV STREHLOW, Chicago, Ill. Filed Nov. 10, 1923. Serial No. 675,630. 4 Claims. (Cl. 273—87.)

1. A game for simulating bowling comprising a chance device for indicating the supposed number of pins knocked down by the first mythical ball rolled, and a second chance device entirely independent of and operable after said first device for determining the success of the second imaginary ball rolled, said first named chance device being adapted to retain its indicating position while operating the second chance device, whereby the results indicated by the two devices may be jointly read.

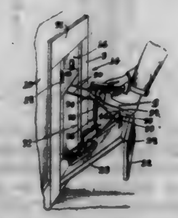


1,538,308. RAT TRAP. MARK TAYLOR and HUGH G. SOWARD, Cleveland, Tenn. Filed June 10, 1924. Serial No. 719,148. 3 Claims. (Cl. 43—58.)



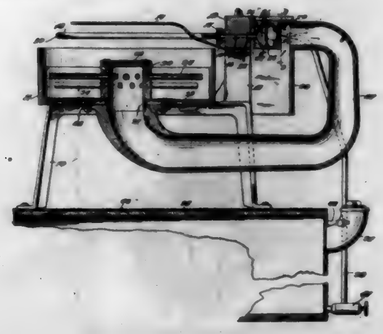
1. A rat trap including a receptacle having end and bottom ingress openings and a single door movable to operative position to close either opening.

1,538,309. DISAPPEARING SHOE STAND. FREDERICK W. THACKERAY and JOHN ROY MILLIKEN, Los Angeles, Calif. Filed Nov. 9, 1923. Serial No. 673,718. 6 Claims. (Cl. 15—265.)



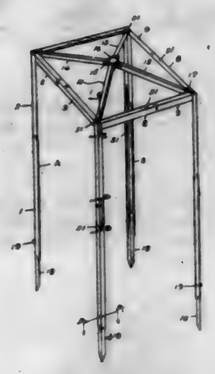
1. A disappearing shoe stand comprising in combination a wall cabinet, a front panel pivoted adjacent the base thereof, a foot rest, arms attached to the inside of the cabinet and engaging the toe portion of the foot rest, links engaging the upper end of the pivoted panel and connected to the foot rest, a standard between the foot rest and the pivoted panel, and means whereby the foot rest, arms, links and standard may be folded within the cabinet when the pivoted panel is closed.

1,538,310. HYDROCARBON BURNER. GEORGE W. WESCHE, Wellsville, N. Y. Filed May 20, 1924. Serial No. 714,689. 8 Claims. (Cl. 158—65.)



1. A hydrocarbon burner including a stand unit comprising a bowl and a bracket upstanding adjacent the bowl, a header block mounted upon said bracket, a gas generating tube mounted upon said block to extend over the bowl, a nozzle mounted upon the block to communicate with one end with said tube, an induction horn connected at one end to said unit and provided at its opposite end with a hood fitting over said nozzle, burner tubes mounted in the bowl to communicate with the former end of said horn, and a flame spreader clamped between the block and bracket to extend over the bowl.

1,538,311. COLLAPSIBLE BATHHOUSE. ALFRED ANTICKNAP, Toronto, Ontario, Canada. Filed June 2, 1921. Serial No. 474,415. 1 Claim. (Cl. 135—4.)



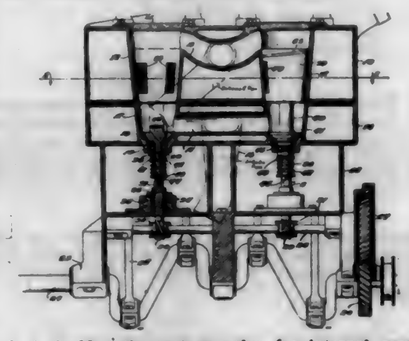
A collapsible bath house comprising a main frame having uprights in individual sections or right angle formation in cross section, the lower individual sections having flanges forming slideways for the upper individual sections, wedge members of right angle cross section adapted for wedging said upper and lower individual sections in their extended position, locking plates carried by said upper individual sections, cross members in telescopic sections connecting said uprights limiting the downward movement of said cross pieces, a cover frame adapted for interfitting engagement with said uprights and said cross pieces, and a flexible enclosing member carrying fasteners constituting auxiliary locking means for said cover frame and adapted for fastening said enclosing member to the various sections of said main frame.

1,538,312. GOLF CLUB. WILLIAM NEISH BEAT, Brooklyn, N. Y. Filed Feb. 21, 1925. Serial No. 10,903. 10 Claims. (Cl. 273—77.)



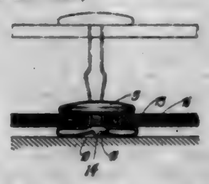
4. In a golf club, the combination of a head having a shallow groove in its bottom face and a plurality of contiguous apertures directed inwardly from the rear face thereof toward the center of the head, a plate countersunk in said groove, said plate having a weighted head adapted to lie flush with the rear face of the head and weighted members extending within the said apertures.

1,538,313. DOUBLE-ACTING ROTARY VALVE FOR INTERNAL-COMBUSTION ENGINES. ALBERT J. BODKER, Ponchatoula, La. Filed May 1, 1924. Serial No. 710,350. 4 Claims. (Cl. 123—190.)



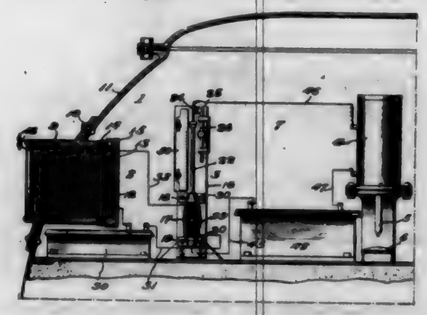
1. A double-acting rotary valve for internal combustion engines comprising a valve cage in the engine, one end of said valve cage having an opening connected with a fuel supply and the other end having an opening connected with an exhaust for spent fluid, a port being provided in the side of the cage opening into the working cylinder of the engine, a valve body revolubly mounted in said cage, the valve body having side ports adapted to register alternately with the cage port, the valve body having passages separated from each other, one of the passages registering with the exhaust opening and being connected with one of said side ports, the other of the passages registering with the fuel supply opening and being connected with the other of the side ports, a spindle extending downwardly from the valve body, and an adjusting plug around the spindle having threaded engagement with the cage.

1,538,314. FASTENER. EDWARD J. DOONER, New York, N. Y. Filed Sept. 12, 1924. Serial No. 737,388. 3 Claims. (Cl. 24—153.)



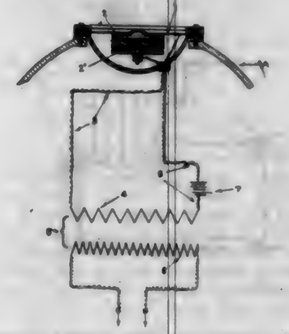
1. A fastener of the class described comprising a head, a pair of complementary shanks formed from a single strip of metal bent intermediate their ends and attached to the head, said shanks being bowed outwardly whereby they may be collapsed as pressure is applied to said head.

1,538,315. THERMOMICROPHONIC FIRING DEVICE FOR SUBMERGED MINES. JOHN J. DUFFIE, Berkeley, Calif., assignor to Government of the United States. Filed Aug. 9, 1917. Serial No. 185,245. 19 Claims. (Cl. 102—8.)



19. A submersible mine, comprising a sound-responsive device; a firing device; and a circuit closer located between said sound-responsive device and said firing device, and serving to close the circuit upon the lapse of a predetermined period of time beginning with the reception of sound waves by the sound-responsive device.

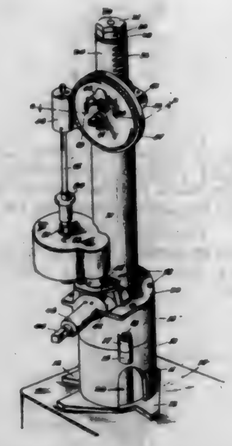
1,538,316. EXPLOSIVE MINE. JOHN J. DUFFIE, Berkeley, Calif., assignor to Government of the United States. Filed Feb. 8, 1918. Serial No. 215,970. 2 Claims. (Cl. 102—3.)



1. In combination with a mine and its discharging means; a sound-responsive device; and connections between the sound-responsive device and the discharging means, including a relay for building up energy initiated by the sound-responsive device, and a connection-completing device capable of being set to require a predetermined interval of time to effect completion of the connection with the discharging means.

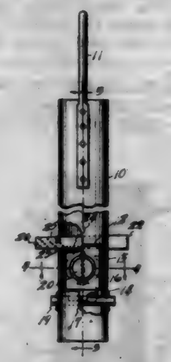
1,538,317. PORTABLE REBORING MACHINE FOR ENGINE CYLINDERS. FREDERICK T. FLINCHBAUGH, York, Pa., assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1921, Serial No. 504,286. Renewed June 14, 1924. 18 Claims. (Cl. 77—2.)

1. In a cylinder reboring machine, a gear case having a bearing tube upstanding therefrom, a boring bar journaled in said tube extending through the gear case, means housed by the gear case coacting with the bar for rotating said bar, a sleeve upon the bar slidably fitting in said tube and provided with a rack, means upon the tube coacting with said sleeve holding the



sleeve against rotation, and feed mechanism driven by said first mentioned means including a pinion coacting with said rack for advancing the bar.

1,538,318. SELF-ALIGNING PITMAN BEARING BOX. VALORIS L. FORSYTH, Fort Worth, Tex. Filed May 31, 1924. Serial No. 716,931. 3 Claims. (Cl. 64—34.)

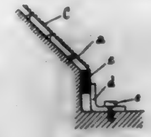


1. The combination with a pitman having openings in its opposite sides, of a wrist pin box extending through said openings, a fulcrum support for the lower portion of the box on which said box is mounted to rock, and means for confining said box on its fulcrum support and holding it in position in the pitman.

1,538,319. SOUND-PRODUCING APPARATUS OR ELECTROMAGNETIC RECEIVING OR EMITTING DEVICE. LÉON GAUMONT, Paris, France, assignor to Société des Etablissements Gaumont, Paris, France. Filed June 12, 1923. Serial No. 644,985. 10 Claims. (Cl. 179—115.)

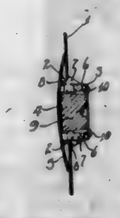
1. In an apparatus for the emission and reception of sound constituted by a magnet having an air gap, a wire winding on a support, said wire having therein a

variable current produced by the acoustic displacements or being capable of producing such displacements, said winding representing at the same time a mechanical ele-



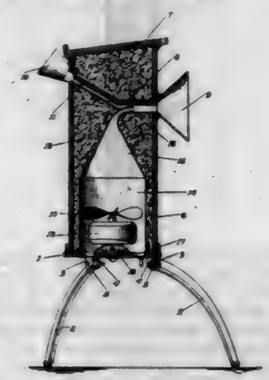
ment receiving or emitting vibrations and an electromagnetic element producing or receiving the variable current, rings of elastic material disposed upon the lower pole-piece of the magnet for supporting the wire winding.

1,538,320. PLATE LOCK. JACOB GULLONG, Chicago, Ill. Filed June 6, 1924. Serial No. 718,342. 3 Claims. (Cl. 40—20.)



1. A plate lock comprising a tubular member fixed to the plate and arranged for partial projection through an aperture provided in a supporting surface upon which said plate is to be fixed, and means carried by said tubular member for engaging with said supporting surface adjacent to said aperture at the rear wall thereof, thereby locking said plate upon said supporting surface, said means including diametrically opposed cam members, and resilient means for yieldably forcing said cam members outwardly from said tubular member.

1,538,321. VOICE-TRANSMITTING DEVICE. CHARLES H. GUNN, Oakland, Calif. Filed June 20, 1923. Serial No. 646,524. 1 Claim. (Cl. 181—27.)



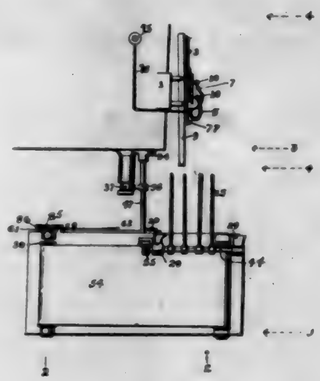
A live voice transmitting device comprising a tube having an enlarged transmitting end, and a receiving mouth-piece at its other end, said tube being freely open from end to end, and means for developing an air blast at a point removed from the tube and discharging it into the tube at a point intermediate the ends of the tube and in the direction of the transmitting end whereby sound waves of the voice will be drawn freely into and through the open tube and discharged forceably out of such transmitting end.

1,538,322. CUTTING AND STACKING SHEET-METAL BLANKS. JAMES EDW. GUNTER, Baltimore, Md., assignor to Southern Can Company, Baltimore, Md., a Corporation of Maryland. Filed Jan. 6, 1923. Serial No. 611,090. 8 Claims. (Cl. 214—6.)



1. The combination with a partitioned receiving table, of a plurality of guide rolls, each guide roll having two parallel guiding surfaces one of greater diameter than the other for supporting the adjacent edges of two blanks in different planes.

1,538,323. PLATE-PRINTING PRESS. CHARLES J. GUTENKLET, Philadelphia, Pa. Filed Jan. 31, 1923. Serial 616,007. 10 Claims. (Cl. 101—287.)

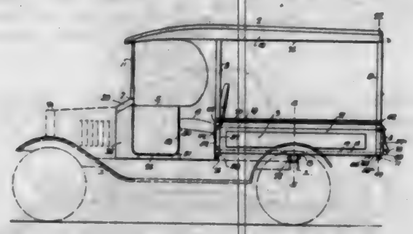


1. In a conveyor for plate printing presses, the combination with a suction conveyor, travelling from a position in front of the plunger of the press, to a point removed therefrom and pressed upon the printed sheet when in front of the plunger, a suction mechanism rarefying the air in the suction conveyor while pressed upon the sheet and while travelling away from the plunger and then relieving the suction so produced, a fly turning between a position beneath the travelling carriage when the latter is away from the plunger and a position over the bed, said fly receiving the sheet from the carriage and turning it over and placing it on the bed, a moving bed moving between each delivery of the sheet upon it by the fly, and a mechanism for giving this motion to the bed.

1,538,324. KNOCKDOWN BODY FOR AUTOMOBILE TRUCKS. LEO I. HEINTZ, Philadelphia, Pa. Filed Oct. 25, 1921. Serial No. 510,274. 19 Claims. (Cl. 296—28.)

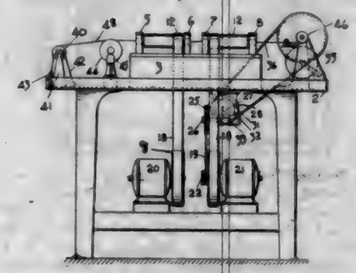
1. In vehicle body construction, the combination of two panel sections; a post socket at each end of each

panel section; a post adapted to each socket; a transverse member; a double flanged plate mounted between



the end of the socket and post; a U-shaped member located in the transverse member; and a vertical bolt securing the several parts together.

1,538,325. MACHINE FOR STRAIGHTENING WIRE. JOHN J. HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Dec. 14, 1920. Serial No. 430,591. 4 Claims. (Cl. 140—147.)



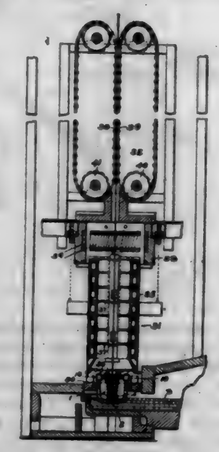
1. A machine for straightening wire comprising rotatable die holders, a plurality, of dies positioned in each holder, a source of power, means for connecting said dies with said power for rotation at a given rate of speed, a wire-receiving member connected with said source of power and means interposed between said member and said power for causing a rotation of said member at a different rate of speed than that of said dies.

1,538,326. PROCESS OF MAKING A FRUIT-CAKE COMPOSITION. EDWARD A. HINES, San Francisco, Calif. Filed May 5, 1924. Serial No. 711,062. 2 Claims. (Cl. 99—11.)

1. The process of making a fruit cake composition which comprises the steps of mixing spices and fruits with water to form a soft paste and boiling the same, adding lard to the mixture while it is hot, and incorporating therewith flour and baking powder and soda after the lard has melted.

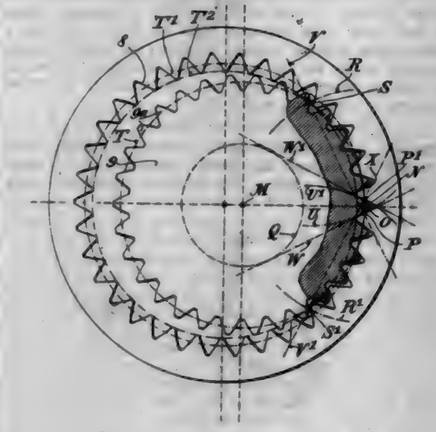
1,538,327. PROCESS AND APPARATUS FOR FORMING SHEET GLASS. HALBERT K. HITCHCOCK, Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company, a Corporation of New Jersey. Filed June 17, 1922. Serial No. 569,000. 25 Claims. (Cl. 49—3.)

3. The process of forming sheet glass from a bath of molten glass which consists in extruding the glass through a hot slot and thereby imparting to it a shape similar to the finished sheet, subjecting said sheet immediately adjacent the slot to parallel traveling pressure on its opposite faces and for substantially its entire



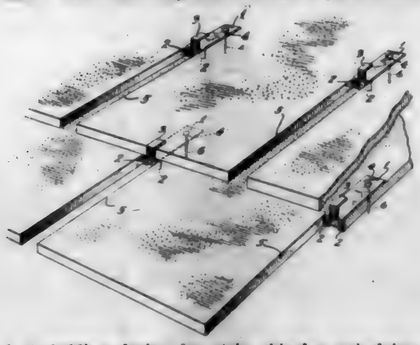
width and thereby imparting more accurate dimensions thereto, artificially cooling said traveling pressure means, and pulling the sheet from said traveling pressure means.

1,538,328. TOOTH FORMATION OF INTERNAL GEARS. SIMON HOLDENER, Wolfshausen, Switzerland. Original application filed Mar. 13, 1924, Serial No. 698,984. Divided and this application filed Dec. 15, 1924. Serial No. 756,023. 2 Claims. (Cl. 74—34.)



1. In an internal gearing two eccentric toothed rims, the flanks of the teeth of the outer and of the inner toothed rims comprising circular arcs of the same radius, which corresponds to the radius of the pitch circle of the inner rim, the centre of said arcs of the teeth of the inner rim being situated on its pitch circle and the centre of said arcs of the teeth of the outer rim being situated on an auxiliary circle which is concentric to the pitch circle and which passes through the centres of curvature of the flanks of that tooth of the smaller rim which is in maximum engagement.

1,538,329. RETAINER FOR STRIP SHINGLES. HARRY H. HONIGBAUM, Richmond Hill, N. Y. Filed June 27, 1923. Serial No. 648,188. 3 Claims. (Cl. 108—33.)



1. A holding device for strip shingles embodying a metallic strip provided at one of its ends with a downwardly extending tongue adapted to extend into the cut out of a strip shingle and to abut the blind end of said cut out and also provided at the same end of the metallic strip with an upstanding tongue adapted to receive beneath it a tab of the next course of strip shingles, said tongues being positioned at the same point in the length of the strip.

1,538,330. BALE REBANDER. ROBERT L. HORSLEY, Memphis, Tenn. Filed May 9, 1924. Serial No. 712,058. 1 Claim. (Cl. 254—79.)



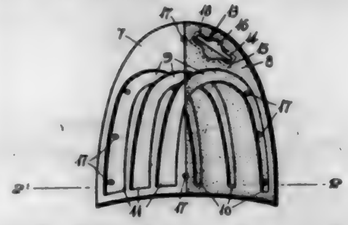
A device of the class described, comprising a lever with its lower end bifurcated and a block pivoted therein, two straps pivoted at one of their ends to opposite sides of said lever at a distance from its lower end and a second block secured between the free ends of said straps, the said blocks having grooves for receiving and means for holding therein the ends of a bale band to be drawn together by operating said lever.

1,538,331. COMBINED OPEN-BOOK HOLDER AND MARK. CHARLES H. JETT, Greenville, Ill. Filed Oct. 29, 1923. Serial No. 671,482. 1 Claim. (Cl. 281—42.)



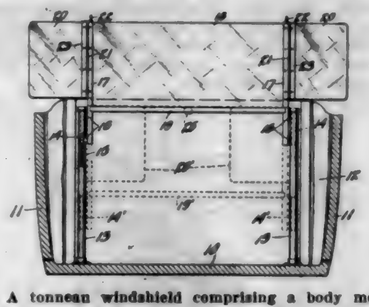
A book holder and mark stamped from sheet material and provided with relatively wide top and bottom sections, and leg sections connecting the respective ends of said top and bottom sections to provide a rectangular opening, said bottom section being of sufficient width to form a hand hold, said top and bottom sections being inclined from the medial line in the same direction so as to provide a substantially V-shape in cross section and positioning the opening wholly to one side of the medial line so as to facilitate the supporting of a book in open position in a reader's hand.

1,538,332. RUBBER HEEL. LOUIS KAPLAN, New York, N. Y. Filed June 29, 1923. Serial No. 648,484. 2 Claims. (Cl. 36—75.)



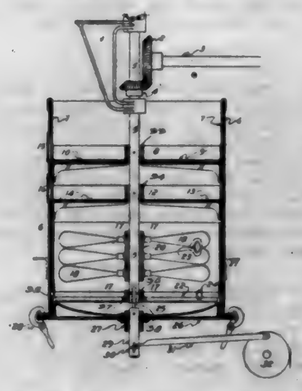
1. A heel, and an insert in the heel at the point where the most wear occurs and composed of pieces of relatively hard and soft metals.

1,538,333. WINDSHIELD. WILLIAM A. KING, Seattle, Wash. Filed May 24, 1923. Serial No. 641,201. 6 Claims. (Cl. 296—85.)



5. A tonneau windshield comprising a body member, wings pivoted at each end of said body member, a supporting element secured adjacent each end of the body member and extending below the same, a bracing element connecting said supporting elements, a pair of hollow guides spaced apart to permit the body member and the supporting elements to be positioned therebetween, plugs slidable in said guides, and means for securing the windshield in adjusted position, substantially as set forth.

1,538,334. METAL-EXTRACTING MACHINE. ALBERT KOCH, Ithaca, N. Y. Filed Sept. 17, 1923. Serial No. 663,187. 21 Claims. (Cl. 82—68.)



1. In a machine for extracting and separating metals in the free state from metal bearing earths, a series of separating screens adapted to separate out the larger particles of earth and metal from earth forced there-

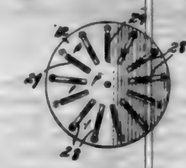
through, means embodying blades movable over said screens for forcing earth therethrough and for removing the separated particles therefrom, and means for extracting and separating the fine grains and particles of metal by amalgamation from the residue of earth after passage through said screens.

1,538,335. MEANS FOR WASHING GASES. ANTHONY J. KOEHLER, Chicago, Ill. Filed June 22, 1923. Serial No. 647,078. 3 Claims. (Cl. 261—92.)



1. A device of the character described comprising a reservoir arranged to be connected with the exhaust manifold of an internal combustion engine and arranged to be partially filled with liquid solvent, a plurality of corrugated partitions disposed transversely in the upper portion of said reservoir, a plurality of perforated partitions disposed transversely to the lower portion of said reservoir, and means disposed in said reservoir between said partitions for agitating the water in said reservoir, said means being actuated by the impact of the exhaust gases and products of combustion projected through said exhaust manifold.

1,538,336. PITCH PIPE. WILLIAM KRATT, New Brunswick, N. J. Filed Jan. 10, 1921. Serial No. 436,171. Renewed Oct. 10, 1924. 4 Claims. (Cl. 84—456.)

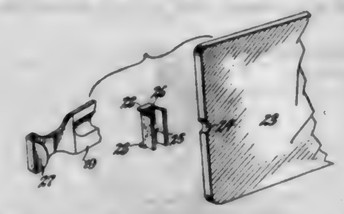


2. A pitch pipe comprising a flat central plate, top and bottom plates having marginal flanges and having depressed central portions whereby they are in contact at the center and at the edges with the central plate, a disk embraced by the top plate and having radially arranged passages, the central plate having openings in register with said passages, reeds secured to the central plate and situated on said passages, the marginal flange of the top plate having openings in line with the outer ends of said passages, the bottom plate having openings therein to permit the escape of air, and fastening means passing through the depressed parts of the top and bottom plates and through the central plate whereby the members are clamped together.

1,538,337. ALLOY. LEROY S. KUHN, Cleveland, Ohio, assignor, by mesne assignments, to Ludlum Steel Co., Watervliet, N. Y., a Corporation of New Jersey. Filed Feb. 27, 1919. Serial No. 279,567. 7 Claims. (Cl. 75—1.)

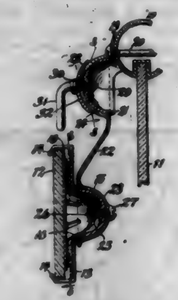
1. A malleable alloyed soft steel resistant to corrosion and to oxidation containing as its principal constituents iron, nickel, chromium and titanium, having at least 10% but less than 15% of chromium, nickel not in excess of 10% nor less than 1% and an appreciable quantity of titanium not in excess of 5%, the balance consisting principally of iron.

1,538,338. MOUNTING FOR MIRRORS AND THE LIKE. WILLIAM LA HODNY, Buffalo, N. Y., assignor to Otto Glass & Mirror Company, Buffalo, N. Y., a Corporation of New York. Filed May 11, 1921. Serial No. 468,504. 1 Claim. (Cl. 45—97.)



A plate provided in its edge with a notch, a protecting member having a body of U-form in cross section the channel of which receives the edge of said plate, an inward projection in the channel of said body engaging with said notch and outward projections at the ends of said body, and a bracket having a hook which engages the outer side of said body between the outward projections thereof.

1,538,339. WINDSHIELD-MIRROR BRACKET. WILLIAM LA HODNY, Buffalo, N. Y. Filed Aug. 11, 1923. Serial No. 656,963. 2 Claims. (Cl. 45—97.)



2. A bracket for supporting mirrors on wind shields comprising a supporting plate adapted to be attached to a mirror and provided with a rearwardly projecting spherical boss, a base plate adapted to be attached to a fixture and provided with a forwardly projecting spherical boss, a link provided at its ends with heads, each of which is of concavo-convex form and engages its concave surface with the convex surface of one of said bosses, a clamping screw engaging its thread with the boss of said supporting plate and bearing with its head against the outer side of the head in engagement therewith, a clamping disk engaging with the convex side of the link head engaging with the boss of the base plate, a clamping screw passing through said last-mentioned head and having its thread working in said boss of the base plate and provided with a shoulder bearing against the outer side of said clamping disk, and a follower having a hollow semispherical hub projecting into the concave side of the hollow boss on the supporting plate and engaging with the clamping screw which connects said last mentioned boss and the respective link head and said follower hub being provided at its edge with laterally projecting spring arms engaging with the rear side of the mirror.

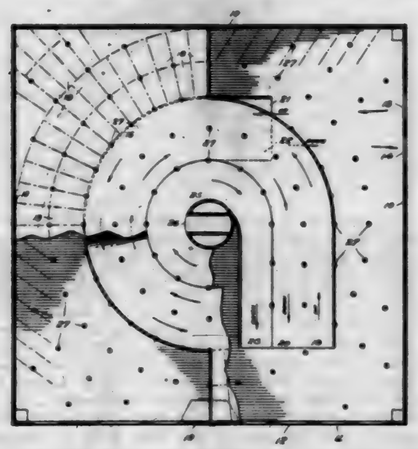
1,538,340. WINDSHIELD-MIRROR BRACKET. WILLIAM LA HODNY, Buffalo, N. Y. Filed Aug. 11, 1923. Serial No. 656,964. 1 Claim. (Cl. 45—97.)

A bracket for supporting a mirror on a windshield comprising a supporting plate upon the front side of

which the mirror is adapted to be mounted and which is provided at its upper edge with an upwardly projecting bracket which is integral with the plate and terminates at its upper end in an integral concavo-convex head having its concave side facing rearwardly, a hanger constructed of an integral sheet of metal and having its upper part forming a hook, the mouth of which opens downwardly and is adapted to engage over the upper edge of a windshield and its lower part forming a concavo-convex head the convex side of which faces forwardly and engages the concave rear side of the head on said supporting plate, and means frictionally and pivotally connecting said heads.



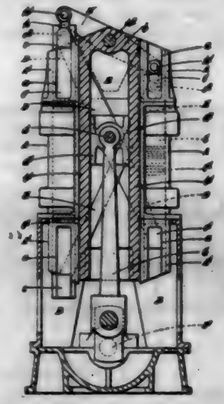
1,538,341. GARAGE OR STORAGE BUILDING. SAMUEL C. LANCASTER and CHRISTIAN Q. HJERMSTAD, Portland, Oreg., assignors to Autowhirl Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 29, 1920. Serial No. 427,097. 6 Claims. (Cl. 20—1.13.)



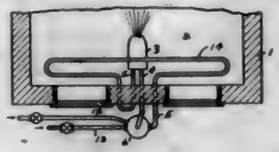
1. A building for the storage of automobiles and other vehicles, embodying a plurality of separate, continuous spiral floors having storage spaces thereon, an upward spiral driveway for each floor for incoming vehicles, and a spiral driveway for each floor for outgoing vehicles, the driveways communicating with their respective floors throughout their length.

1,538,342. RECIPROCATING ENGINE. JAMES MCKECHNIE, Barrow-in-Furness, England, assignor to Vickers Limited, Westminster, London, England, a British Company. Filed July 7, 1922. Serial No. 573,438. 3 Claims. (Cl. 121—117.)

1. In a reciprocating engine, a pair of parallel cylinders, a pair of oppositely acting pistons in each cylinder, a rocking lever at one end only of the cylinders, connected to the two pistons at that end, a pair of diagonal links cross connecting the oppositely situated pistons of the two cylinders, a crank shaft and a connecting rod from one of the said diagonal links to the crank shaft.

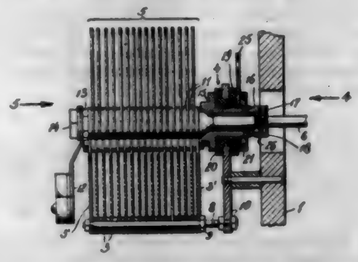


1,538,343. SUPERHEATER FOR OIL BURNERS. CHARLES B. MEADOWS, Houston, Tex. Filed Nov. 27, 1923. Serial No. 677,241. 2 Claims. (Cl. 158—73.)



2. The combination with a combustion chamber and an oil burner therein, of a heater associated with the burner and embodying an oil line formed with an enlarged chamber, a steam line formed with a jacket which surrounds said chamber, and is spaced therefrom, said oil and steam lines terminating in said burner, and a loop into which one of said lines is formed said loop being located in the combustion chamber between the heater and burner.

1,538,344. VARIABLE CONDENSER. ELLSWORTH S. MILLER, Philadelphia, Pa. Filed Feb. 1, 1923. Serial No. 616,300. 6 Claims. (Cl. 250—41.)



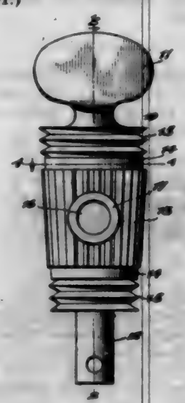
1. A variable electrostatic condenser comprising a set of fixed plates, means for supporting said fixed plates, a set of rotatable plates adapted to be variably interleaved with said fixed plates, a shaft for said rotatable plates, said rotatable plates and said shaft comprising a self-contained unit, a bearing for rotatably supporting said shaft, said bearing having a pair of opposed frustro-conical portions, said shaft having a frustro-conical portion registering with one of the said frustro-conical portions of said bearing, an apertured bushing having a frustro-conical exterior surface registering with the other frustro-conical portion of said bearing, said shaft extending through the aperture in said bushing, and a nut for adjustably securing said shaft in said bearing, said unit being adapted for removal from the condenser as a whole without disassembling said fixed plates or said means for supporting said fixed plates.

1,538,345. COTTON GIN. ZEPHANIAH J. MOORE and HENRY C. SMITH, Waco, Tex. Filed June 19, 1924. Serial No. 721,053. 6 Claims. (Cl. 19—39.)



5. An attachment for ginning mechanisms comprising a collector pipe adapted for communication with the main trash conveying suction pipe of a ginning mechanism, and being provided with inlet branches adjacent the several stands of the ginning mechanism, closures for said branches, and a flexible dust collecting hose adapted to be selectively connected to one of said branches.

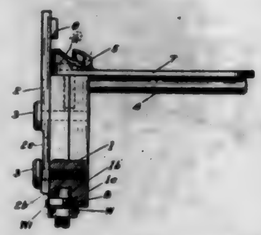
1,538,346. VALVE MEMBER AND METHOD OF FORMING SAME. OSCAR B. MUELLER, Port Huron, Mich., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Jan. 18, 1921. Serial No. 438,209. 22 Claims. (Cl. 251—101.)



1. A valve member having a wall formed with a multiplicity of alternating ridges and grooves extending longitudinally of the member, and a multiplicity of substantially horizontal alternating ridges and grooves beyond both ends of the longitudinal ridges and grooves, the tops of all said ridges being flattened to provide an appreciable contact area.

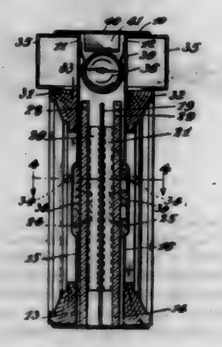
11. A key for cocks having a section of its wall provided with a multiplicity of substantially longitudinal alternating ridges and grooves, a multiplicity of substantially horizontal alternating ridges and grooves extending over another portion of its wall, and a substantially circumferential plain surface between said longitudinally and horizontally ridged and grooved sections, the ridges of said ridged and grooved sections being flattened to give an appreciable contact area and having the same contour as said plain surface.

1,538,347. COMBINATION LOCK-WASHER TOOL AND SOCKET WRENCH. HARVEY R. NEWQUIST, San Diego, Calif. Filed Apr. 3, 1924. Serial No. 703,919. 11 Claims. (Cl. 81—10.)



1. In a tool of the class described, a socket member provided at one end with a recess adapted to receive a bolt head or nut, and an actuating member shiftably mounted at one side thereof and provided at its lower portion with a wedge portion adapted to be inserted between the locking portion of a lock washer and said bolt head or nut.

1,538,348. ILLUMINATED SIGN. MORTIMER NORDEN, New York, N. Y. Filed Feb. 14, 1924. Serial No. 692,678. 2 Claims. (Cl. 40—133.)

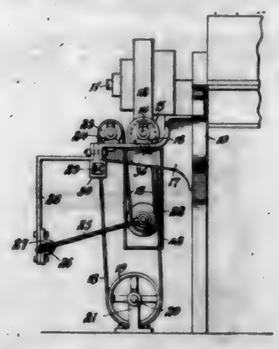


1. An illuminated sign comprising a rectangular frame open on both sides, a reflector centrally arranged within the frame and secured thereto, spacers connected to said reflector at each end and forming sockets on each side thereof, a glass plate fitted within each of said sockets, letters fixed in relief upon the front surface of each plate, a molding fitted into said frame at each side thereof and provided with a hollow top member extending longitudinally thereof forming a housing above the top of said reflector and glass plates, and a source of light within said housing.

1,538,349. VARIABLE-SPEED MECHANISM. WILLIAM JAMES OATES, Griffin, Ga. Filed May 10, 1924. Serial No. 712,321. 5 Claims. (Cl. 74—21.)

1. In a device of the character described, the combination of a driving drum, a driven roll and an idle roll journaled above the drum, a swinging roll between the drum and first mentioned rolls, a gripping roll journaled beneath and proximate to the driven roll and at one

side of a plane through the axes of the driven roll and the drum, and a drive belt passing directly from the drum to the driven roll on the side nearest said gripping roll, thence about the driven roll and between it and the gripping roll, whereby the belt engages the surface of



the driven roll throughout the major portion of its circumference, said belt passing from the gripping roll underneath the swinging roll and constituting a floating support for the same, and passing thence over the idle roll and back to the drum.

1,538,350. SNAP FASTENER. SUSAN CLARK PEARSON, New York, N. Y. Filed May 24, 1924. Serial No. 715,581. 3 Claims. (Cl. 24—218.)



1. A snap fastener comprising a stud button member, and a spring engaging member made of a single piece of wire bent into a plurality of spring engaging arcs and exterior twisted loops, all the loops being twisted in the same direction, and the said arcs bent transversely thereby presenting the spring arcs to contact with the stud button so that the points of contact will fall in a single plane.

1,538,351. COLORING PHOTOGRAPHS. CLARENCE RUDOLPH REIERSON, Havre, Mont. Filed Aug. 2, 1922, Serial No. 579,244. Renewed Apr. 1, 1925. 10 Claims. (Cl. 41—27.)

9. The process of treating photographic prints which process comprises applying to a photograph a mixture of an oil, a liquid drier, and ether.

1,538,352. SOLUTION FOR TREATING PHOTOGRAPHS AND PROCESS OF PREPARING THE SAME. CLARENCE RUDOLPH REIERSON, Havre, Mont. Original application filed Aug. 2, 1922, Serial No. 579,244. Divided and this application filed Oct. 25, 1923. Serial No. 670,715. 6 Claims. (Cl. 134—56.)

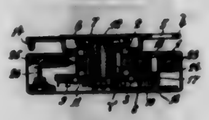
3. A liquid coating composition for treating photographic prints to prepare such prints for the reception of oil paints which composition consists entirely of a mixture of raw linseed oil, a liquid drier, and ether.

1,538,353. HIP-CONFINING CORSET. MICHAEL J. REYNOLDS, West Haven, Conn., assignor to Strouse Adler & Co., New Haven, Conn., a Firm composed of Isaac M. Ullman and Louis M. Ullman, New Haven, Conn., and George Meyer, New York, N. Y. Filed July 19, 1923. Serial No. 652,571. 1 Claim. (Cl. 2—43.)



The combination with an open-front, hip-confining corset, the respective front edges of which are provided with fastening means, whereby it is fastened in front on the median line of the figure of the wearer; of a horizontally-arranged, diaphragm-reducing strap superimposed upon the upper portion of the front of the said corset, adjacent to the upper edge thereof and comprising a non-elastic center-piece, the upper and lower edges of which are inclined toward each other from its median line, which coincides with the median line of the corset, a non-elastic fastening-strip located adjacent to one end of the said center-piece, fastening means applied to the adjacent edges of the said center-piece and fastening-strip, whereby the said strap is fastened and unfastened independently of the corset proper, an elastic strap permanently attached to the opposite end of the center-piece and to the front section of the corset, and an elastic strap permanently attached to the opposite edge of the said fastening-strip, and the complementary front section of the corset, whereby the said strap exercises localized pressure upon the diaphragm of the wearer without substantially affecting the hip-reducing action of the corset proper.

1,538,354. ELECTRIC-IMPULSE-PRODUCING MECHANISM. MORTEN BALTHAZAR RICHTER, Copenhagen, Denmark. Filed July 5, 1923. Serial No. 649,539. 1 Claim. (Cl. 188—184.)

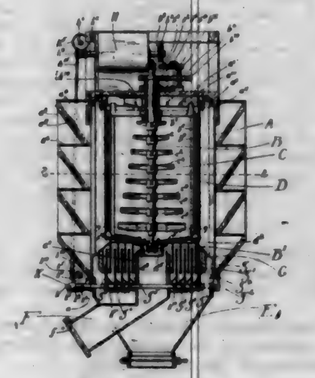


In an electric impulse producing mechanism a centrifugal braking mechanism, comprising a cage, three sector shaped blocks having a slot near their leading edge, a pin for each block in the said cage adapted to engage the said slots, and a cylindrical hollow drum adapted to be slidably engaged by the said blocks under influence of centrifugal force.

1,538,355. POWDER FOR THE AUTOGENOUS SOLDERING OR WELDING OF ALUMINUM. PIO ROSSI, Berne, Switzerland. Filed June 5, 1923. Serial No. 643,556. 2 Claims. (Cl. 148—23.)

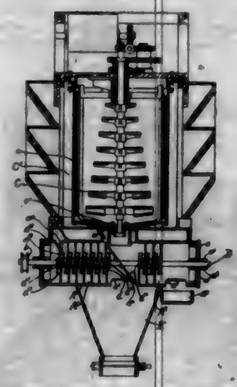
1. A powder for the autogenous soldering or welding of aluminum, comprising a mixture of a small amount of chloride of sodium and a large amount of chloride of potassium, and a fluoride mixture consisting of equal parts of fluoride of aluminum and cryolite and representing at least 35% of the total mixture.

1,538,356. CENTRIFUGAL SIFTER. SIGMUND SCHIFF, Cincinnati, Ohio. Filed May 12, 1920. Serial No. 380,893. 29 Claims. (Cl. 83—51.)



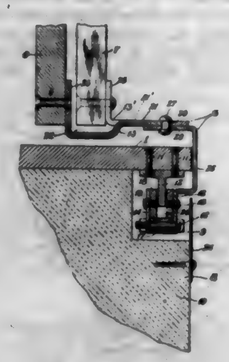
1. In a sifting device the combination of a casing, a cylindrical screen within the casing and spaced therefrom, the screen having a discharge opening in its bottom, means to move a siftable substance thru the screen, a series of inclined slides mounted upon the casing adjacent to the screen and having their inclined upper surfaces exposed to the screen and covers adapted in combination with the slides and casing to enclose the screen.

1,538,357. DUST COLLECTOR. SIGMUND SCHIFF, Cincinnati, Ohio. Filed Mar. 11, 1921. Serial No. 451,517. 14 Claims. (Cl. 183—84.)



5. In a device of the class described the combination of a tube, a revoluble shaft extending thru the tube, disks mounted on the shaft and engaging the tube, the disks having a pushing edge and a mutilated edge, the immediately adjacent disks having their mutilated edges disposed upon opposite sides of the shaft, whereby a continuous sinuous aid passage is formed thru the tube, and whereby immediately adjacent disks successively move a substance thru the tube over the bottom thereof.

1,538,358. SLIDING-DOOR STRUCTURE. JOSEPH SCHULTE, Cleveland, Ohio. Filed Mar. 2, 1925. Serial No. 12,527. 7 Claims. (Cl. 20—19.)



1. In a sliding-door structure, the combination of an elevator-shaft door-way; a sliding-door suspended in such door-way and provided with a member extending into the elevator shaft; and means mounted below the plane of the door sill engaging said member and adapted to prevent movement thereof in a direction transverse with respect to the direction of sliding of said door.

1,538,359. PUZZLE. ALFRED JOHN SHEA, Holyoke, Mass. Filed Apr. 17, 1924. Serial No. 707,164. 4 Claims. (Cl. 273—159.)



1. A puzzle comprising two separate pieces, each having three spaced holes therein, an endless cord formed into two strands threaded through said holes, and one or more elements mounted on said strands between said pieces.

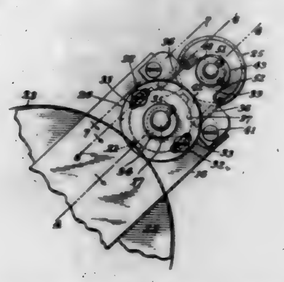
1,538,360. MALLEABLE NONCORRODIBLE ALLOY. WILLIAM H. SMITH, Cleveland, Ohio, assignor to Ludlum Steel Co., Watervliet, N. Y., a Corporation of New Jersey. Filed Feb. 27, 1919. Serial No. 279,649. 15 Claims. (Cl. 75—1.)

1. A malleable alloyed soft steel resistant to corrosion and to oxidation containing iron in excess of 50%, chromium not less than 15% and not greater than 40%, together with nickel and titanium not greater than the chromium.

1,538,361. MACHINE FOR PRINTING TICKETS. THOMAS K. STAMATSON, Brooklyn, N. Y., assignor to Keller Printing Company, New York, N. Y., a Corporation of New York. Filed Jan. 10, 1925. Serial No. 1,633. 21 Claims. (Cl. 101—219.)

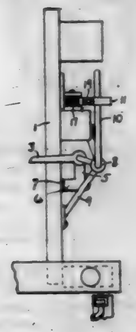
1. In a machine of the class described, for printing successively upon the ticket units of a continuous ticket-strip, a revoluble shaft, printing media carried by said shaft and having printing characters operative in the revolution thereof, an impression platen or bed post-

tioned parallel to said revoluble shaft, a framework having an extension carried by said seat and turnably movable therein and having a longitudinal bore passing through said extension on a plane eccentric to the axis or center thereof in its turnable movement, said printing-media shaft having its revoluble bearing in said bore, a body member comprised in said bushing and carrying said extension, and means carried by the frame-work



and operative upon said body member to effect mechanical adjustment of said turnable eccentric-bore extension, whereby delicate adjustment of the plane of the printing-media shaft to compensate for variation in the thickness of the paper ticket-strips passing between the printing media and the platen may be effected by slight movement of said adjustment means to actuate the bushing member in its turnable movement in its seat.

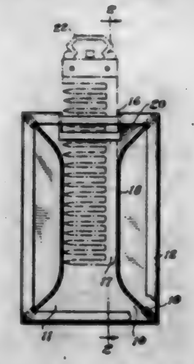
1,538,362. AUTOMATICALLY-RELEASING COTTON-PRESS LATCH. JOHN ARNOLD STREUN, Sherman, Tex., assignor to Hardwicke-Etter Company, Sherman, Tex., a Corporation of Texas. Filed Oct. 18, 1924. Serial No. 744,504. 8 Claims. (Cl. 100—30.)



1. In a device of the character described, a rotatable rod, dogs rotatable on said rod, means to prevent rotation upwardly of said dogs when they are in operative position, a lever arm on said rod, and a resilient latch adapted to engage said lever arm to retain said dogs in operative position, and to release said lever under a predetermined pressure on said dogs.

1,538,363. VANITY CASE. LOUIS TAMIS, New York, N. Y., assignor to Schanfein & Tamis, New York, N. Y., a Firm composed of Bernard Schanfein and Louis Tamis, also of New York, N. Y. Filed Oct. 27, 1924. Serial No. 746,001. 1 Claim. (Cl. 132—79.)

A vanity case comprising a receptacle having an opening at one end, a comb adapted to pass through the opening, and inwardly bowed springs located interiorly of the receptacle and disposed one at each end of the



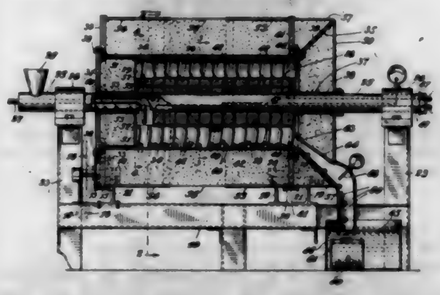
opening and adapted to receive the comb between them, the end portions of the springs being confined at the corner portions of the receptacle.

1,538,364. MOTOR-VEHICLE BODY. WALTER M. TROUT, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 7, 1922. Serial No. 550,280. 13 Claims. (Cl. 296—28.)



1. In a sheet metal body structure for automobiles, a body panel curved longitudinally to conform to the contour of the body, in combination with a body sill of channel shape in cross section, said sill having its base portion disposed in a vertical plane, the lower edge portion of the panel extending across the open mouth and secured to the lower side of the side wall of the channel of the sill.

1,538,365. ELECTRIC FURNACE. EDWIN L. WILLSON, Farmington, Conn. Filed Oct. 16, 1922. Serial No. 594,831. 33 Claims. (Cl. 204—64.)



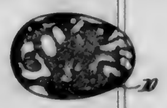
1. In an internally electrically heated rotary furnace, in combination, a revoluble furnace having an opening for the introduction of material and an opening for the removal of said material, means for revolving the furnace, wire carrying means within the furnace and a wire carried thereon and extended outwardly of the furnace.

1,538,366. MANUFACTURE OF YEAST PREPARATIONS FOR BAKING, DIETETIC, AND THERAPEUTIC PURPOSES. RICHARD WILLSTÄTTER and HARRY SOBOTKA, Munich, Germany. Filed Jan. 3, 1923. Serial No. 610,497. 10 Claims. (Cl. 99—11.)

7. The process of producing a yeast preparation rich in enzymes and vitamines, which consists in mixing yeast with sufficient sugar to prevent fermentation, kneading the mixture, heating it to about 55° C. in the course of about an hour, maintaining this temperature for about an hour, then heating it to about 100° C. in the course of about an hour, maintaining this temperature for about an hour, and finally cooling the mass.

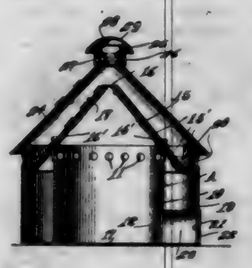
8. An article of manufacture for use as baking preparation consisting of yeast and sufficient sugar mixed therewith with application of heat to produce liquefaction but not fermentation.

1,538,367. METHOD OF COLORING EGGS OR THE LIKE. MARGARET YOUNG, Dubuque, Iowa. Filed Jan. 28, 1924. Serial No. 689,144. 9 Claims. (Cl. 8—5.)



8. The method of coloring an egg or the like consisting in arranging onion peelings about the same and securing them taut by a binder, to substantially necessitate passage of a liquid through said peelings to reach the shell of the egg, and in immersing the egg, onion peelings and binder in a heated dyeing liquid.

1,538,368. FIRELESS BROODER. IDA M. YOUNGBERG, Gothenburg, Nebr. Filed Nov. 16, 1922. Serial No. 601,353. 4 Claims. (Cl. 119—19.)



1. A brooder comprising an inner and an outer housing, each of the housings having a circular wall and a conical roof, the walls and roof having inlet and outlet openings, the latter openings of the outer roof being regulatable, light entrance means in the said roofs, aligned entrance openings in the walls of the housings, and a tunnel member connecting the entrance openings and extending between the walls of the housings.

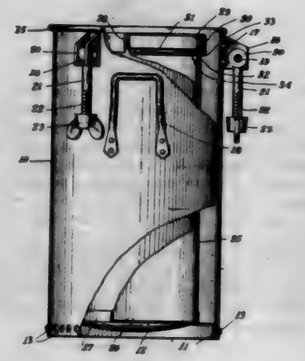
1,538,369. METHOD OF PRESERVING MEATS, MILK, VEGETABLES, FRUITS, AND OTHER EDIBLES. BUICHI AKITAMA, Osaka-fu, Japan. Filed Feb. 11, 1924. Serial No. 692,194. 5 Claims. (Cl. 99—9.)

1. Method of preserving meats, milk, vegetables, fruits and other edibles, which comprises storing the same in an atmosphere consisting essentially of nitrous oxide and carbon dioxide in the proportion of 70% of nitrous oxide to 30% of carbon dioxide under superatmospheric pressure of about 300 pounds.

1,538,370. TREATMENT OF CELLULOSIC FIBERS AND FABRICS. FRANK LESLIE BARRETT and ROBINSON PERCY FOULDS, Manchester, England. Filed May 9, 1924. Serial No. 712,127. 7 Claims. (Cl. 8—20.)

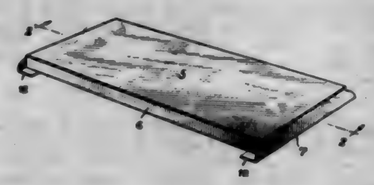
2. The process of treating cotton fabrics with sulphuric acid of not less than 1.55 spec. grav. in presence of formaldehyde added as such.

1,538,371. COMPRESSED-AIR TANK HAVING INTERCHANGEABLE PAINT CONTAINERS. WILLARD C. BEACH, Newark, N. J. Filed Oct. 21, 1922. Serial No. 595,915. 2 Claims. (Cl. 220—17.)



1. In an apparatus for spraying paint under pressure, a cylindrical tank adapted to withstand internal pressure, said tank having a closed concave bottom and being open at the top, a plurality of cover securing means adjacent the upper edge of said tank, handles fixed on opposite sides of said tank, interchangeable paint containing means spaced concentrically within the tank, a band circumjacent the lower edge of said paint containing means adapted to rest upon the bottom of said tank, said band being flanged upward from the bottom element, semi-circularly bent means forming a bail and a means fixed in the wall of said tank and extending into the paint containing means, adapted to support said bail when resting horizontally thereon, and a cover loosely fitting over said paint containing means below the plane of the upper edge of said tank.

1,538,372. PALLET. ANSON J. BENTLEY, Niles, Ohio. Filed Jan. 11, 1923. Serial No. 612,002. 9 Claims. (Cl. 84—17.)

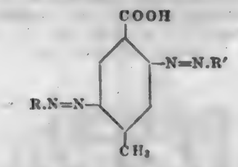


4. A pallet presenting a plane upper face and having side and end reinforcements comprising angular members extending along the sides and ends respectively,

the side reinforcements projecting into the end reinforcements and the angular members of the end reinforcements embracing and extending beneath the ends of the side reinforcements and extending laterally beyond the sides of the pallet to provide spacing elements.

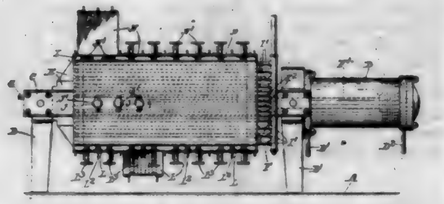
1,538,373. DISAZO DYESTUFF. WILHELM BERGDOLT and LUDWIG HAUCK, Leverkusen, near Cologne-on-the-Rhine, Germany, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed May 22, 1924. Serial No. 715,190. 2 Claims. (Cl. 260—84.)

1. The herein described new azodyestuffs having most probably the following general formula:



R meaning a residue of an aromatic compound, R' meaning a residue of an aromatic aminonaphthol compound, which are after being dried and pulverized in the shape of their alkali metal salts dark brown to black powders soluble in water with from a red to violet coloration and in concentrated sulfuric acid generally from a blue to reddish-blue coloration; yielding upon reduction with stannous chloride and hydrochloric acid 4-methyl-2.5-diaminobenzoic acid and aromatic amines; dyeing cotton directly generally from violet-red to blue pure clear shades fast to light, which after being after-treated on the fiber with a metal salt change into bluish-violet to violet-blue shades fast to light, substantially as described.

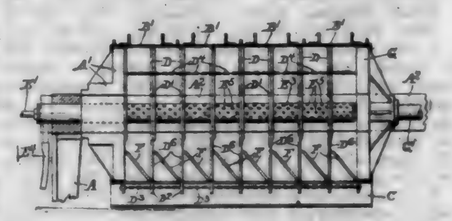
1,538,374. HYDRAULIC PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and one-third to Katheryne P. Malon, both of Chicago, Ill. Filed Nov. 12, 1923. Serial No. 674,123. 28 Claims. (Cl. 100—6.)



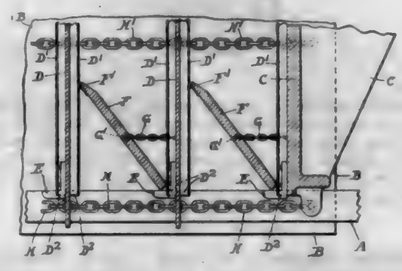
1. In a press, a plurality of platens and a pressure cylinder for compressing them together, and means for moving said platens together throughout a distance greater than the effective length of said compression cylinder.

1,538,375. HYDRAULIC PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and one-third to Katheryne P. Malon, both of Chicago, Ill. Filed Nov. 15, 1923. Serial No. 674,823. 19 Claims. (Cl. 100—50.)

19. In a press means for closing the bottom of said press, including a plate adapted to retain the contents of the press extending laterally across the bottom of said press lying in a generally inclined plane, said plate adapted when closed to form a steeper angle of inclination and finally assume a vertical position, and in such vertical position to lie against a transverse wall of said press.



1,538,376. PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and one-third to Katheryne P. Malon, both of Chicago, Ill. Filed Aug. 28, 1924. Serial No. 734,557. 11 Claims. (Cl. 100—50.)



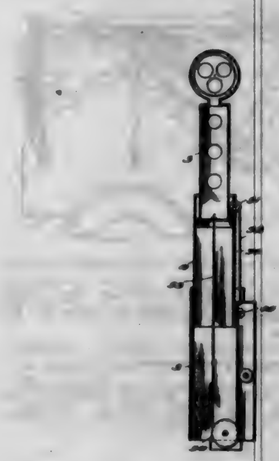
10. In a press, a movable plate adapted to support the contents of the press within the press, said plate being mounted between opposite pressing members of said press and adapted normally to lean with one edge against one of said members and the other edge against the other of said members and means for limiting the movement of the lower edge of said plate away from the pressing member which it normally contacts, said means including a member fixed to a part of said press and one side of said plate.

1,538,377. FISHING REEL. JOHN D. BLAGDEN, Memphis, Tenn. Filed Aug. 21, 1924. Serial No. 733,427. 2 Claims. (Cl. 43—20.)



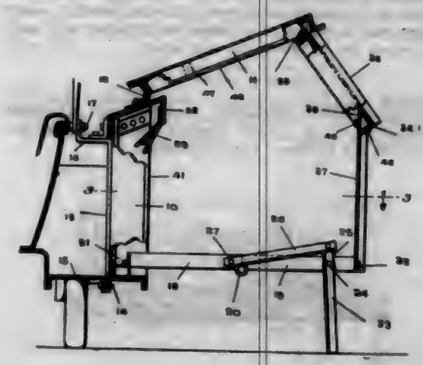
1. A fishing rod having a hollow handle, a shaft journaled in the handle transversely thereof, a reel carried by the shaft and disposed exteriorly of the handle, a double ratchet bar movable within the handle, said bar comprising an elongated frame with oppositely extending teeth upon the inner longitudinal edges thereof, a ratchet wheel fixed upon the shaft and in engaging relation to the teeth of said ratchet bar, a grip slidable upon the handle, a cross-head within the handle and movable with the grip, and links extending between the ratchet bar and cross-head, said links having pivot connection with the cross-head and ratchet bar.

1,538,378. SIGNAL. HERBERT R. BORCHARDT, Hollywood, Calif. Filed July 28, 1921. Serial No. 488,217. 10 Claims. (Cl. 116—50.)



1. In a direction signal, a plurality of slidable sections, and means operable by movement of an inner section for moving the next outer section at an increased rate of speed.

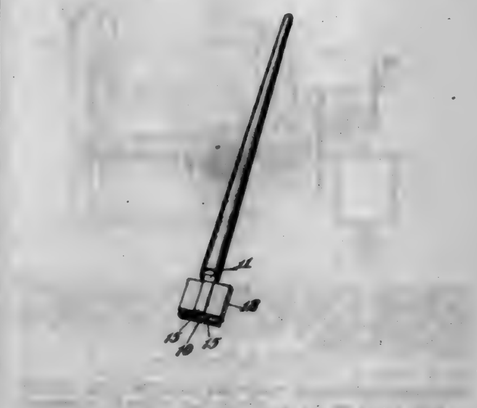
1,538,379. TOURIST BED. JAMES H. BOWLBY, Savonburg, Kans. Filed Nov. 20, 1923. Serial No. 675,827. 8 Claims. (Cl. 5—119.)



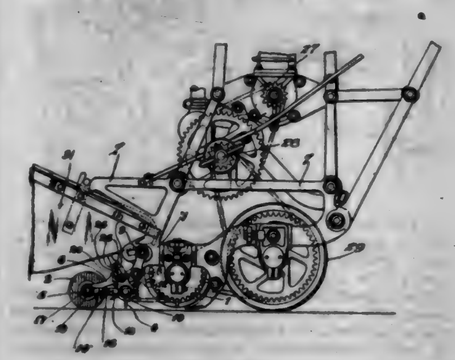
1. A bed comprising a casing and a foldable bed frame arranged to fold into the casing, said casing including foldable members arranged to be unfolded above the bed frame, when the bed frame is unfolded, to provide a gable roof.

1,538,380. PAINTBRUSH. ARTHUR BRAUNSTEIN, Casper, Wyo. Filed Apr. 19, 1924. Serial No. 707,602. 1 Claim. (Cl. 15—210.)

In a brush, an absorbent pad, a T-shaped metal holder, the pad abutting the central portion of the holder, the stem of the metal holder having a reverted portion the extremity of which engages the pad to maintain the pad in position, the ends of the metal member having reverted portions overlying the pad and the end of such stem portion, said stem portion forming a shank for engagement with the holder.



1,538,381. LAWN MOWER. GEORGE FREDERICK BULL, Birmingham, England, assignor of one-half to Charles H. Pugh Limited, Birmingham, England. Filed Feb. 26, 1923. Serial No. 621,156. 5 Claims. (Cl. 56—251.)

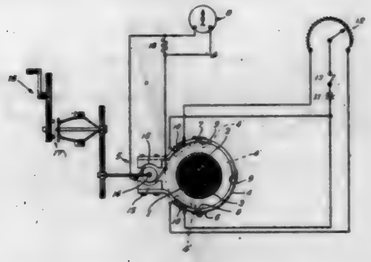


1. In a lawn mower, a main frame, cutter blades, a rotatable rake mounted in front of the cutter blades, means for rotating the rake, means for adjusting the said rake in a horizontal direction, and means for adjusting the rake in a vertical direction.

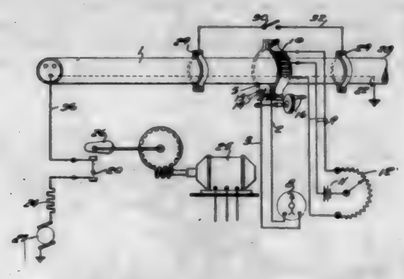
1,538,382. APPARATUS FOR MEASURING CURRENTS IN ELECTRICAL CABLE SYSTEMS. WILLIAM RALPH BULLARD, New York, N. Y. Filed Nov. 25, 1922. Serial No. 603,318. 19 Claims. (Cl. 175—183.)

1. An apparatus for measuring unidirectional current in a cable comprising an electric generator having a field circuit adapted to be positioned to encircle the cable, said field circuit being of substantially greater diameter than the cable and having portions of its path of low

reluctance and having smaller sections of its path of greater reluctance, a measuring instrument connected to the armature of the generator, said measuring instrument being calibrated to give indications substantially proportional to the flux set up in the field circuit by the unidirectional current and means for rotating the generator armature.



1,538,383. METHOD AND APPARATUS FOR LOCATING FAULTS IN ELECTRICAL CABLE SYSTEMS. WILLIAM RALPH BULLARD, New York, N. Y. Original application filed Nov. 25, 1922, Serial No. 603,818. Divided and this application filed Nov. 14, 1923. Serial No. 674,624. 13 Claims. (Cl. 175—183.)

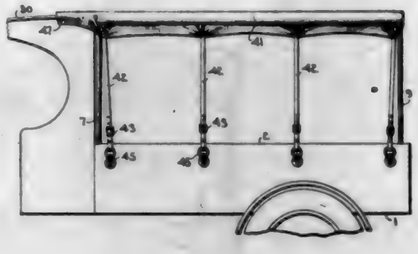


2. The method of locating faults in cables which consists in supplying intermittently through the cable at definite prolonged intervals a unidirectional current and causing it to pass out through the faulty portion of the cable and positioning an electric generator with its field magnetically associated with the cable at different points thereof for testing for the magnetic fields set up about the cable corresponding to the intermittent unidirectional current passing therethrough.

6. In a system for locating a fault in a cable, the combination of a magnetic path or circuit, means for opening and closing the magnetic circuit so as to surround a cable or conductor carrying direct current with said magnetic circuits, a revoluble armature adjacent to and in magnetic relation with said magnetic circuit, means for revolving said armature, a detecting device connected to said armature, means for circulating direct current through the cable or conductor to a fault existing in said cable or conductor, and means for periodically interrupting this direct current.

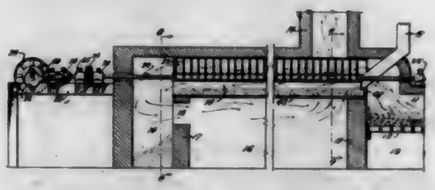
1,538,384. REMOVABLE COVER FOR TRUCK BODIES. QUINN M. CROCKETT and OLIVER DAY, Austin, Tex. Filed Sept. 11, 1922. Serial No. 587,406. 11 Claims. (Cl. 296—102.)

3. In a cover for truck bodies, the combination of a plurality of spaced corner posts, top end rails at each end of the frame, means connecting the corner posts to intermediate portions of the top end rails, and curtain



rails having their ends clamped between the corner posts and the top end rails and held in place by the said connecting means.

1,538,385. DRIER. ARTHUR C. DAMAN, Denver, Colo. Filed Apr. 24, 1923. Serial No. 634,345. 7 Claims. (Cl. 34—7.)



6. A drier comprising, a drum; a shaft passing longitudinally through said drum, said shaft being mounted so that it will move circumferentially and axially; scrapers secured to said shaft; means for rotating said shaft and means for reciprocating said shaft.

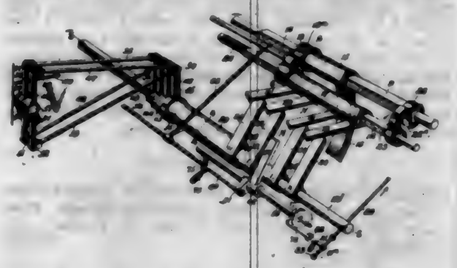
1,538,386. FORM HOLDER. ALFRED DE MEURISSE, Brooklyn, N. Y. Filed Dec. 9, 1924. Serial No. 754,788. 8 Claims. (Cl. 101—369.)



1. A holder of the character described comprising a body, a retainer of resilient material secured to one face of the body and including gripping flanges adapted to grip the opposite ends of the form, while leaving the longitudinal edges of the form free of attachment.

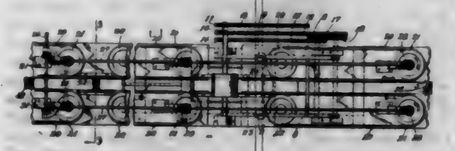
1,538,387. AUTOMATIC GEAR-SHIFTING DEVICE. HIRAM CLIFTON DOOLIN, Albany, Mo. Filed Sept. 7, 1921. Serial No. 499,019. 52 Claims. (Cl. 74—58.)

1. In a gear changing mechanism for automobiles, a clutch, means for operating the clutch, a plurality of gear shifting levers normally holding the gears in neutral position, plurality of gear releasing means for returning the gear shifting levers to neutral position, and



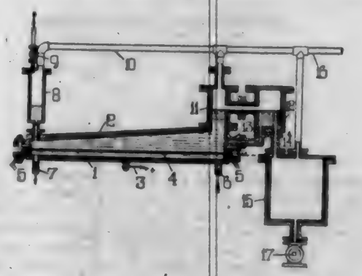
means operable upon the release of the clutch for operating one of the gear releasing means and the gear shifting levers.

1,538,388. LABEL-AFFIXING APPARATUS. GEORGE A. DOSTAL, New York, N. Y., assignor to Pictorial Soap Manufacturing Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 14, 1921. Serial No. 452,148. 5 Claims. (Cl. 216—9.)



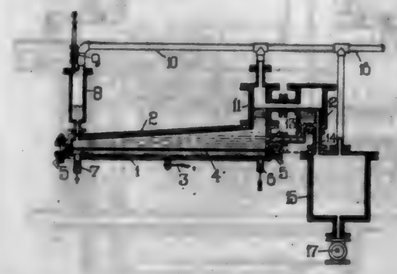
1. In an apparatus of the character described, in combination, laterally engaging conveying means for moving forward successively soap cakes having labels applied to the center portions of one face thereof, ways supporting said soap cakes adjacent their side edges without contacting with the center face portions to which the labels are applied, and a smoothing device arranged to press against the labeled face of each cake as it travels past said device substantially as and for the purpose described.

1,538,389. MANUFACTURE OF ALKALI METALS. THOMAS EWAN, Glasgow, Scotland. Filed Mar. 31, 1924. Serial No. 703,102. 23 Claims. (Cl. 204—9.)



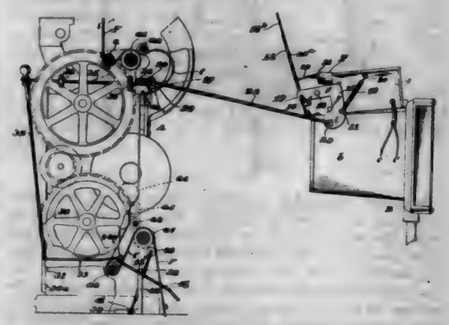
1. The process of removing alkali metal from an amalgam thereof which comprises passing a current from the alkali metal amalgam as anode to a cathode through a solution of an inert alkali metal salt in an inert volatile solvent such solution being of such concentration that when alkali metal is supplied thereto the solution forms two liquid layers of which the layer out of contact with the amalgam is relatively more concentrated in alkali metal and less concentrated in alkali metal salt than the layer in contact with the amalgam.

1,538,390. TREATMENT OF ALKALI-METAL AMALGAMS, ESPECIALLY FOR THE PRODUCTION OF ALKALI METALS. THOMAS EWAN, Glasgow, Scotland. Filed Mar. 31, 1924. Serial No. 703,103. 21 Claims. (Cl. 204—9.)



1. The process of treating alkali metal amalgam which comprises causing a very dilute amalgam to flow through a cell, electrolyzing a solution of an inert alkali metal salt in an inert liquid at a temperature much below 100° C. in contact with said amalgam as anode so as to remove alkali metal therefrom and isolating a useful product.

1,538,391. SAFETY ATTACHMENT FOR MOTION-PICTURE MACHINES. ROBERT FINK, Wilkes-Barre, Pa., assignor of one-fourth to John V. Kosek, Wilkes-Barre, Pa. Filed Nov. 8, 1922. Serial No. 599,693. 7 Claims. (Cl. 88—17.)

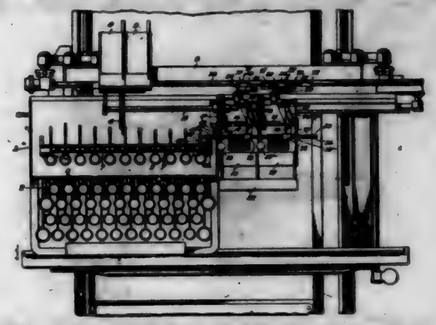


1. In a safety appliance for moving picture projecting apparatus comprising an electric motor, film feeding mechanism and a light projector; the combination of a circuit breaker having a bias to open position for controlling the motor circuit, a shutter adapted to be interposed in the path of the light beam, means on the shutter adapted to hold the circuit breaker closed when the shutter is out of the path of the light beam, and means adapted to be operated under abnormal feed conditions of the film to cause the shutter to intercept the light beam and release the circuit breaker.

1,538,392. WRITING ADDING MACHINE. HARRY ARTHUR FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed July 19, 1921. Serial No. 485,804. 22 Claims. (Cl. 235—59.)

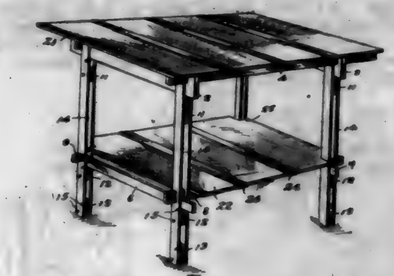
1. In a machine of the character described, the combination with a frame and carriage, of a plurality of computing devices mounted on the frame, a plurality of computing devices mounted on the carriage, and operating means common to all the said computing devices and mounted on the carriage.

17. In a machine of the character described, the combination with a plurality of computing mechanisms including denomination selecting devices, of a series of



adding keys, key locking mechanism, and means for causing each denomination selecting device to operate the key locking mechanism.

1,538,393. CAMPER'S TABLE. MINNIE MARTIN FOWLER, Portland, Oreg. Filed Oct. 12, 1923. Serial No. 668,180. 1 Claim. (Cl. 45—31.)



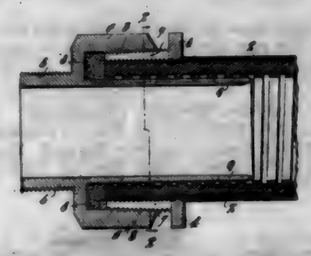
A table comprising a frame composed of legs each consisting of a pair of parallel bars, spacer blocks between the bars of each leg to define a channel, top cross stiles inserted in the channels between the bars and having notches to fit over certain ones of the blocks, bottom cross stiles also inserted in the channels and having notches to fit over others of the blocks, top longitudinal stiles having notches to enter corresponding notches in the top cross stiles, longitudinal bottom stiles inserted through transverse openings in the bars to traverse said channels and seat in other notches in the bottom cross stiles and table tops for the top and bottom stiles respectively.

1,538,394. SELF-CLOSING VALVE. ALFRED FREBERG and CARL E. DOMBROWSKI, Norwich, Conn. Filed Dec. 3, 1921. Serial No. 519,673. 4 Claims. (Cl. 137—93.)



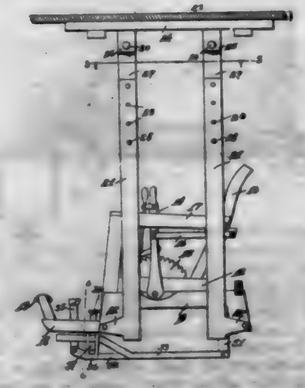
3. A valve comprising a body having an inlet and an outlet formed thereon, a channel communicating with the body formed on one side thereof, and a valve seat formed adjacent the outlet; a main valve slidably mounted in the body including a tubular sleeve formed at the lower extremity thereof, and a rod secured across the upper extremity; an auxiliary valve including a stem adapted to reciprocate within the tubular sleeve, a disc formed on the upper extremity of the said stem adapted to seat upon the upper edge of the said tubular sleeve; and an operating spindle rotatably mounted in the lower portion of the valve including a cam shaped body adapted to engage the lower portion of the auxiliary valve stem, and means for operating the said cam body.

1,538,395. COUPLING CONNECTION TO HOSE PIPES. JOHN GANE, Vancouver, British Columbia, Canada. Filed Apr. 30, 1924. Serial No. 710,162. 3 Claims. (Cl. 285—86.)



1. A means for securing a coupling—connection to the end of an internally armored hose-pipe, said means comprising, the combination with a coupling member having at one end a male or female coupling connection and at the other end a portion internally tapered and screw-threaded, and concentric therewith a smooth and uniformly cylindrical tubular portion adapted to tightly fit the inside of the hose-pipe and extending from the inner end of the threaded recess to beyond the outer end of the same, a sleeve fitting the outside of the hose-pipe and threaded externally to fit the tapered and threaded portion of the coupling connection to a short distance from its inner end, the threaded portion of this sleeve being radially slit to divide it into a series of flexible segments.

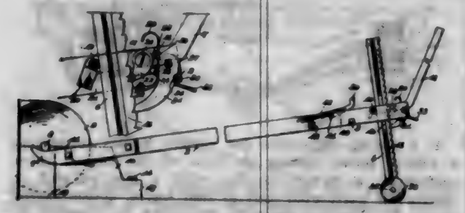
1,538,396. PORCH SWING. ODESSA GARRETT, Clinchco, Va. Filed Nov. 13, 1924. Serial No. 749,688. 5 Claims. (Cl. 155—65.)



1. A swing comprising a suspending means, a plurality of elements connected with the suspending means, a foot operated element connected with one of the first

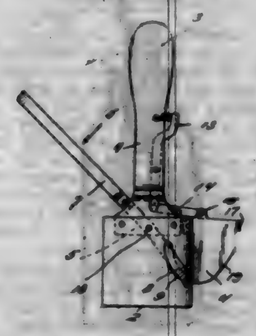
elements for imparting a swinging movement to the swing, and a manually foot operated element for moving the other of the first-named elements into frictional engagement with the swing to check the movement of the latter.

1,538,397. JACK. FREDERIC HARRISON GOODRICH, Greenville, Mich. Filed June 5, 1924. Serial No. 718,102. 9 Claims. (Cl. 254—108.)



9. A lifting jack comprising a rack, a pair of rails slidably receiving at one end the rack, a lever pivoted to the jack end of the rails, a pawl pivoted on the lever and engaging the teeth of said rack, a pawl pivoted on the rail adjacent the rack and engageable with the teeth of the rack, a spring carried by the second pawl for causing the first pawl to engage the rack and at another time for causing the second pawl to engage said rack, manual means connected with the second pawl for releasing the same whereby the rails may be elevated or lowered near the jack end independently of the operating pawls and lever, and means for limiting the upward throw of the lever.

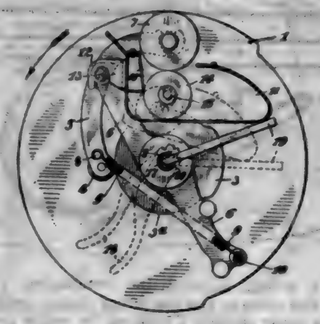
1,538,398. GRAPEFRUIT-CORING IMPLEMENT. JOHN B. GRAINGE, Orlando, Fla. Filed Oct. 24, 1924. Serial No. 746,649. 3 Claims. (Cl. 146—3.)



1. A coring implement of the class described comprising a cylinder having its lower edge sharpened to provide a cutting edge, said cylinder being provided in one side with an arcuate slot, a handle connected to the cylinder for manipulating it, a lever also pivotally mounted upon the cylinder, said lever being provided with an arcuate cutting blade projectable through said slot.

1,538,399. INKING DEVICE FOR DUPLICATING MACHINES. CHARLES FREDERICK GREEN, Romford, England, assignor to A. B. Dick Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 14, 1922. Serial No. 552,503. 7 Claims. (Cl. 101—120.)

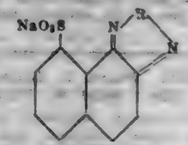
1. In a rotary duplicating machine, the combination with a rotary printing cylinder, of an ink container within the cylinder, fixed means pivotally supporting one end of said container at a place removed from the axis of said cylinder, and movable means including a member in engagement with said container at its other end,



whereby said container may be pivoted on its fixed pivot toward and from the surface of said cylinder, substantially as described.

1,538,400. HALOGENATED NAPHTHAZINE DYES. WILHELM HERZBERG, Berlin-Wilmersdorf, GERHARD HOPPE, Berlin-Treptow, and HEINRICH ORLENDORF, Berlin-Friedenau, Germany, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Filed Aug. 22, 1924. Serial No. 733,658. 4 Claims. (Cl. 260—69.)

1. A halogenated product containing at most four halogen atoms derived from a compound made by fusing an S-sulphonic acid of a naphthazine of the general formula:



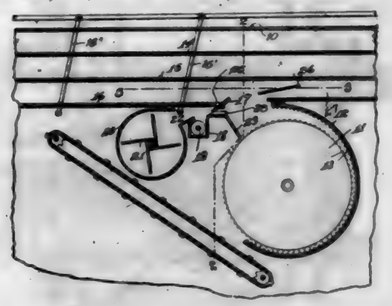
(R meaning an aryl residue) with an alkali.

1,538,401. FASTENER. RICHARD M. HOLMES, Davenport, Iowa. Filed May 17, 1922. Serial No. 561,731. 2 Claims. (Cl. 85—5.)



1. The combination with plates having registering elongated countersunk openings therethrough, of a rotatable fastener adapted to extend through said openings, the fastener having a relatively narrow head adapted to pass through the openings and having its ends inwardly beveled, and a relatively large inwardly beveled head adapted to engage the outer face of one plate, the heads when the fastener is rotated being received in the countersinks with their outer faces flush with the plates.

1,538,402. CLOVER AND ALFALFA HULLING MACHINE. FRANK H. JONES, Cassopolis, Mich. Filed Feb. 20, 1924. Serial No. 694,092. 4 Claims. (Cl. 130—2.)



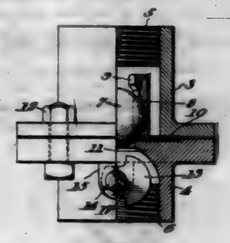
2. In a hulling machine, the combination with the cylinder and concave and the return shaker, said shaker having an outlet opening, a baffle on the shaker and forming a wall of said opening, a conveyor beneath the opening, and a blower disposed to discharge through said opening.

1,538,403. ADDRESSING-MACHINE PRINTING PLATE. JOSEPH KRELL, Berlin-Pankow, Germany. Filed Dec. 10, 1923. Serial No. 679,858. 1 Claim. (Cl. 101—369.)



A zinc printing plate for addressing or like machines having at least one of its surfaces matted to receive written matter.

1,538,404. VALVE. FRANK J. LAIRD, Butte, Mont. Filed Nov. 1, 1924. Serial No. 747,257. 3 Claims. (Cl. 251—131.)



1. A valve comprising a pair of flanged pipe sections, each of said sections having a threaded portion spaced from the flanged end thereof, a ball in one of said sections, a cage integral with said section and limiting the range of movement of said ball, a metal plate between the flanged ends of said pipe sections and having a valve seat formed therein, a pair of bosses on the other of said pipe sections, a shaft mounted in said bosses, and a cam on said shaft and operable to force said ball from said valve seat.

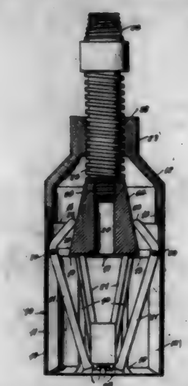
3. In a valve, a cylinder having an inwardly and an outwardly directed flange, a metal plate on said inturned flange and having a valve seat formed therein, a second cylinder having an outwardly directed flange for clamping said plate to said first cylinder, a ball valve in the second cylinder, and a cam carried by the first cylinder for forcing said valve from said seat.

1,538,405. SPRING SUSPENSION FOR VEHICLES. RICHARD RAEBURN LOVE, Salt Lake City, Utah. Filed Dec. 9, 1924. Serial No. 754,820. 3 Claims. (Cl. 267—29.)



1. A spring suspension for vehicle frames comprising a vehicle spring having the ends of its longest leaves perforated, a socket provided with a slot adapted to receive the perforated ends of said leaves, bosses having internally threaded passages projecting in opposite directions from the sides of the sockets, a bolt screwed into the threaded passages in said bosses, and passing through the perforations in the leaves, the perforations in the ends of one leaf having a greater diameter than the bolt whereby the ends of one leaf are locked to the respective sockets, the end of the other leaf being permitted relative movement, brackets removably connected to the vehicle frame, a pair of coil springs, each spring receiving at its end a boss on the socket, the other end of one spring being held in place on the frame, the end of the other spring being held in place on the bracket.

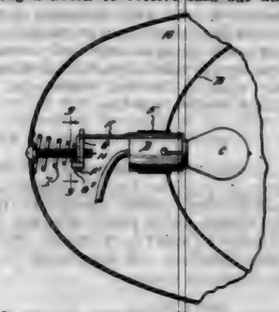
1,538,406. WELL-FISHING TOOL. CHALMER D. MCCARTY and JOHN W. DRIGGS, Santa Paula, Calif. Filed June 19, 1924. Serial No. 721,041. 3 Claims. (Cl. 294—116.)



1. A fishing tool having a bowl made in separable sections, the end of one of the sections constituting a shoulder, the other section having a shoulder opposed to the first mentioned shoulder, a ring located intermediate the shoulders, fishing fingers carried by the ring, and means to actuate the fishing fingers.

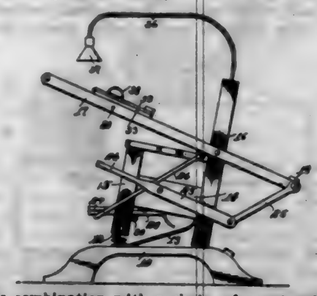
1,538,407. FOCUSING DEVICE FOR AUTOMOBILE LAMPS. CLARENCE A. MICHEL, Cleveland, Ohio, assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 21, 1922. Serial No. 569,876. 3 Claims. (Cl. 240—44.)

1. In a device of the kind described, the combination with a casing having a reflector provided with a sleeve offset to form a guideway, a socket slidably mounted in said sleeve having an operating bar secured to the side thereof extending into said guideway, said operating bar being provided with an angled apertured rear end, a plate having a notch to receive said bar and oppositely



disposed fingers to embrace said bar, said plate being provided with a threaded bore and an adjusting screw carried by the casing working through said apertured bore for adjusting said socket.

1,538,408. CHAIR AND ATTACHMENT. ELIS REED, Decatur, Ill. Filed Aug. 28, 1923. Serial No. 659,810. 3 Claims. (Cl. 155—126.)



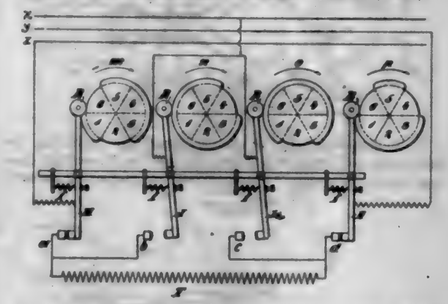
1. The combination with a chair, of a swingable frame including levers pivotally mounted on the back of the chair, a lever, on the side of the chair, connections between the lever and the frame for swinging the latter into vertical position above the back of the chair and in horizontal position in front of the chair, guides on the forward end of the frame, a slidable container and book holder mounted in the guides, and means on the container cooperable with the guides for retaining the container in adjusted position toward and away from the sitter.

1,538,409. SPOTLAMP. CHARLES D. RYDER, Cincinnati, Ohio, assignor, by mesne assignments, to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 25, 1922. Serial No. 546,915. 1 Claim. (Cl. 240—41.)



A spot lamp comprising a centrally apertured cup shaped casing and a base, said base consisting of a hollow body adapted to receive a lamp socket, the base having a cup-shaped end adapted to fit the outer surface of the casing around the central aperture thereof, a lip extending from the cup-shaped end concentrically with and in continuation of the socket-receiving hollow thereof, and an apertured casing reenforcement occupying the casing opposite the cup-shaped end of the base and in position upon the lip, the lip projecting beyond the reenforcement and clinched upon it.

1,538,410. MULTIPLE SWITCH FOR USE IN CONNECTION WITH ELECTRIC WELDING MACHINES. EDMUND SCHROEDER, Berlin, Germany. Filed June 20, 1923. Serial No. 646,663. 1 Claim. (Cl. 171—97.)

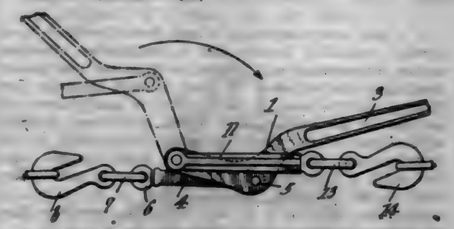


A multiple switch for use in connection with electric welding machines, comprising, in combination, a primary coil of a one-phase transformer, a plurality of contacts connected each with a phase of a multiple-phase net, and means to connect up alternately said coil with said contacts in a succession in which all phases are equally loaded during a period of time extending over several changes of the connections, as set forth.

1,538,411. PROCESS OF TREATING STEEL. HIROSHI SHIOKAWA, Kobe, Japan. Filed Aug. 26, 1922. Serial No. 584,550. 4 Claims. (Cl. 148—12.)

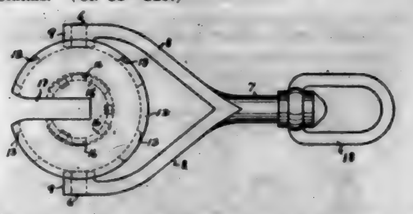
1. A process of treating steel comprising the placing of a body of rolled or forged steel while it still retains an excess of heat remaining after the working operation, at a temperature below the transformation point in a hermetically sealed enclosure free of direct heating for said body, then allowing said body to remain in said enclosure for a predetermined period to utilize such excess heat at a uniform temperature to remove internal stresses and gases from said body to provide a uniform structure throughout, and further for the slow cooling of said body.

1,538,412. LOAD BINDER. EUGENE C. STACY, Tiffin, Ohio. Filed July 2, 1924. Serial No. 723,774. 4 Claims. (Cl. 254—78.)



4. A load binder including a lever with a forked end, said end being crooked to provide an angle portion, a yoke pivotally connected to the free end of the forked portion of the lever, a link pivotally mounted within and connecte dto the angle portion of the lever, means connected to the yoke and link respectively for engaging opposed portions of a load tying element, said lever being mounted to swing into the yoke about its points of connection with the yoke to bring the point of connection between the lever and link past the dead center, and cooperating means upon the yoke and lever for deflecting the ends of the yoke inwardly toward the lever when the binder is subjected to excessive strain.

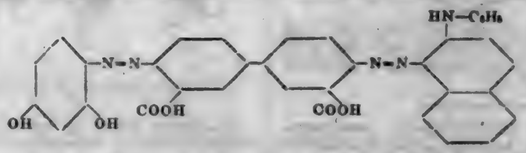
1,538,413. COMBINATION SUCKER-ROD WRENCH AND ELEVATOR. GEORGE A. STAFFORD, Sourlake, Tex. Filed Apr. 17, 1923. Serial No. 632,630. 6 Claims. (Cl. 81—119.)



1. A device of the character described including two relatively rotatable members, one having a central opening and a side slot, a boss carried by the other member working in said opening, said last mentioned member having a radial slot, said slots coinciding when said members are in one position, relative to each other, a handle connected to the first mentioned member and provided to work in a common plane therewith to rotate the same, said handle being movable into vertical position to suspend the device, said handle interlocking with the other member when in vertical position to lock said members against relative rotation.

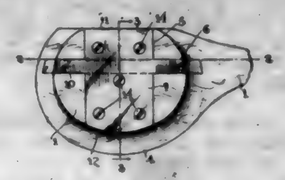
1,538,414. DIPHENYLDICARBOXYLIC ACID DISAZO DYES. RICHARD STÜSSER, Deutz, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Nov. 13, 1922. Serial No. 600,722. 2 Claims. (Cl. 260—78.)

2. The herein described new azodyestuff, having most probably the structural formula:



the sodium salt of which, after being dried and pulverized, is a black powder, soluble in water with a blue-red and in concentrated sulphuric acid with a violet coloration; yielding upon reduction with stannous chloride and hydrochloric acid 4,4'-diaminodiphenyl-3,3'-dicarboxylic acid, an amino-phenylaminonaphthalene and aminoresorcine; said dyestuff dyeing cotton blue-red shades which, by an after-treatment with copper sulphate, change into reddish-violet shades fast to light and to washing, substantially as described.

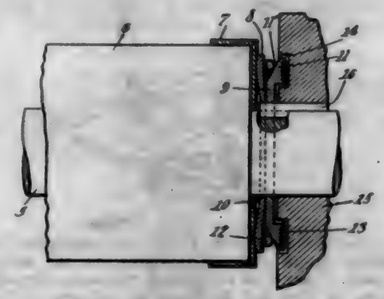
1,538,415. GOLF CLUB. MILTON TOOTLE, 3d, St. Joseph, Mo., and JACK T. PATTERSON, Homewood, Ill. Filed Mar. 14, 1924. Serial No. 699,243. 12 Claims. (Cl. 273—77.)



1. A golf club comprising a head formed with a transversely extending groove and a lengthwise extending socket intersecting said groove, said socket and groove opening at the bottom of the head, a shaft extended from the rear of the head, a plate seated in said groove and secured to the head, and a weight positioned medially with respect to the shaft, extending transversely of and integral with said plate and of a greater length than the width of the plate and further seated in said socket, said weight extending from each side of the plate and having the lower face of said extending portions flush with the outer face of the plate.

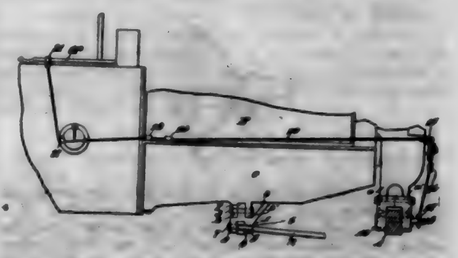
1,538,416. GREASE RETAINER. NICHOLAS W. TRAUTNER, St. Paul, Minn. Filed Jan. 3, 1924. Serial No. 684,270. 1 Claim. (Cl. 286—5.)

A grease retainer including a circular metallic body portion, an enlargement formed on the body portion and disposed adjacent to the periphery thereof, said enlargement having a cut out portion providing a washer seat, a washer in the washer seat and adapted to engage a hub section against which the device is positioned, said enlargement having a beveled inner surface, a washer of flexible material of a diameter to overlie the body portion, said last mentioned washer being secured to the metallic body portion, and a coiled spring positioned



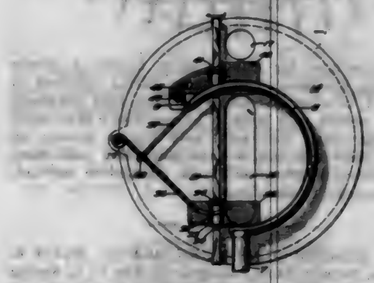
between the last mentioned washer and body portion and adapted to rest on the beveled surface of the body portion for normally urging the body portion away from the last mentioned washer.

1,538,417. AUTOMATIC CLUTCH RELEASE FOR TRACTORS. GEORGE HENRY TRIPTSHAUSER, Attica, N. Y. Filed Oct. 21, 1922. Serial No. 596,028. 2 Claims. (Cl. 180—82.)



1. The combination with an engine crank case having laterally spaced depending arms, a casting carried by said arms and composed of two members designed to straddle the front axle, said members being provided on their opposed inner faces with recesses having centrally disposed laterally extending nipples which fit in apertures in said depending arms and which operate to retain the casting from sliding downward when the tractor rises, the lower ends of said casting members being provided with longitudinally extending slots, a trunnion pin mounted in said slots, a clutch lever, a cable connected with said lever and with said pin whereby a pull is exerted on the cable on the rising of the front axle of the tractor and the clutch lever thereby released.

1,538,418. TEMPERATURE INDICATOR. MORRIS C. WHITE, San Francisco, Calif., assignor of one-fourth to Arthur C. Thoppe, Oakland, Calif. Filed Oct. 13, 1923. Serial No. 668,295. 12 Claims. (Cl. 116—114.)



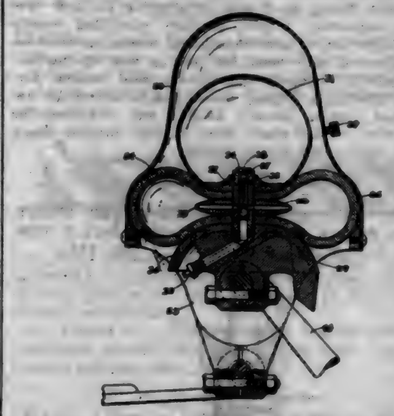
8. A temperature indicating instrument comprising a disc provided with a vertically disposed elongated sight opening and a second opening above and spaced from the first opening, a guide arranged adjacent said openings, a flag slidably mounted on said guide and visible through the lower opening, a flag slidably mounted on said guide and normally concealed behind said disc below the second opening, means for supporting said second flag in position below said second opening and temperature responsive means connected to said first flag, an increasing temperature serving to cause upward movement of the first flag along said first opening into engagement with the second flag and movement of the second flag into position behind said second opening.

1,538,419. VAT DYESTUFF AND PROCESS OF MAKING SAME. KARL WILKE and JOSEF STOCK, Hochst-on-the-Main, Germany, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany, a Corporation of Germany. Filed Apr. 16, 1924. Serial No. 706,988. 4 Claims. (Cl. 260—61.)

1. A process for the preparation of vat dyestuffs which consists in treating the nitrogen-containing bodies, obtainable by the action of nitrating agents upon such products as are formed by condensing 2 molecules of benzanthrone, with alkaline condensation means.

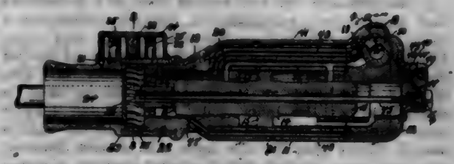
1,538,420. AIR SPRING. FRANK S. CHURCH, Cincinnati, Ohio, assignor of one-half to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio, a Corporation of Ohio. Original application filed May 31, 1921, Serial No. 473,873. Divided and this application filed Apr. 18, 1922, Serial No. 555,474. 2 Claims. (Cl. 267—65.)

1. In combination within an air spring an outer shell like member, an air cushion located in one end of the outer member, a hollow inner member located within the outer member, communicating with the interior of the cushion and movable within the outer member, and a valve between the inner member and the cushion adapted to permit a discharge of air from the cushion to the inner member when the cushion is compressed in response to a shock impelled movement thereof, said valve having



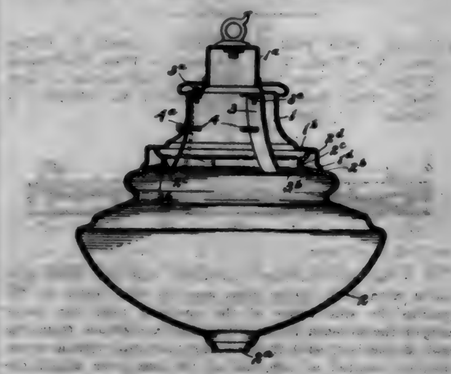
a bleeder passage therein to permit restoration of air from the inner member to the cushion upon movement of the parts to normal position.

1,538,421. ROCK-DRILLING APPARATUS. OMAR E. CLARK, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Apr. 19, 1918. Serial No. 229,500. 23 Claims. (Cl. 121—6.)



1. In apparatus of the character set forth, the combination with a drilling motor, of means for continuously rotating a drill operated on by the drilling motor, in either of opposite directions.

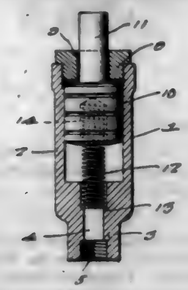
1,538,422. LIGHTING FIXTURE. WESLEY E. COCHRAN, Cleveland, Ohio. Filed Nov. 17, 1921. Serial No. 515,805. 2 Claims. (Cl. 240—133.)



1. A shade holder, including a downwardly flaring hood terminating in annular flanges forming an annular shade receiving seat, a shade bowl terminating in

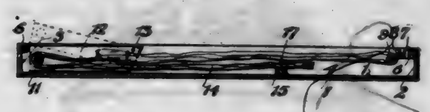
reduced annular outwardly inclined neck and heel portions fitted in said annular seat, interior spring elements movably arranged within and spaced from said downwardly flaring hood and terminating at their free ends in horizontal tongue portions extending within said neck portion of said shade, and means operable on the exterior of said hood for moving said spring elements radially outward and causing said tongue portions to yieldingly engage beneath said outwardly inclined heel portion thereby holding and elevating the neck portion of said shade bowl in said annular shade receiving seat under spring tension.

1,538,423. INDICATOR FOR FEED-WATER PUMPS. CARTER S. COLE, Harrisburg, Pa. Filed Sept. 8, 1924. Serial No. 736,659. 5 Claims. (Cl. 116—114.)



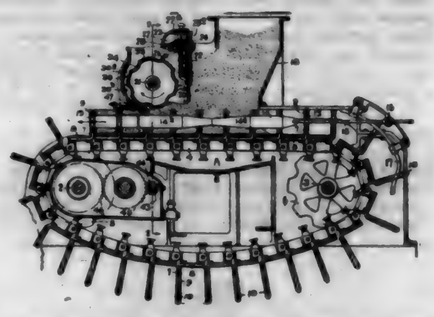
2. An indicator for the suction line of a locomotive feed water pump comprising a cylinder embodying a piston chamber having an imperforate wall, said cylinder having a central bore extending through the bottom thereof and communicating with said chamber, said bore being counter-bored at its opposite ends to form a spring seat at the inner end, the remaining counter bore being screw threaded for connection to the suction line, a closure plug for the upper end of said chamber, said plug being formed with a central opening, a piston slidably mounted in said chamber, said piston including a head fitting snugly and slidably within said chamber, and a central stem projecting therefrom and extending slidably through the opening in said plug, said stem constituting an indicator, said head being formed in its bottom with a socket in alignment with the aforesaid spring seat, and a coiled spring having one end extending into said socket and the opposite end into said seat.

1,538,424. BOX FOR GARMENTS. ROBERT F. CUTHBERT, New York, N. Y., assignor to Theo. Tiedemann & Sons, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 23, 1924. Serial No. 739,253. 4 Claims. (Cl. 206—7.)



1. A box for holding a garment, said box being provided with fixed spring clips near its side edges for engaging the side edges of the garment near the lower end of the same, a frame pivoted at a distance from one end of the box, said frame being provided with a cross-member located at one end of the box over which the garment is folded, and means at the opposite end of the box for detachably holding the upper end of the garment.

1,538,425. MACHINE FOR CORED BUILDING BLOCKS OF PLASTIC MATERIAL. GEORGE C. DERAY, Springdale, Pa. Filed Mar. 20, 1922. Serial No. 545,168. 9 Claims. (Cl. 25—99.)



1. In a machine for making cored blocks of plastic material, the combination of a mold having openings in its walls, a core-bar extending through said openings, means for moving said mold, a hopper above said mold, and communicating therewith, said hopper having an opening at its lower end, a gate controlling said opening, and a device beyond said gate adapted to feed additional material to said mold.

1,538,426. BUMPER-SUPPORTING MEANS. WAYNE E. DUNSTON, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Jan. 28, 1924. Serial No. 689,008. 14 Claims. (Cl. 293—55.)

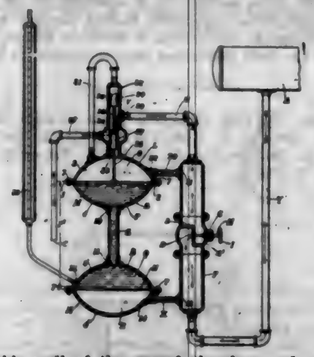


1. The combination, with a bumper bar, of a clamping device comprising a pair of members adapted to receive the said bar therebetween, a supporting arm having an eye at the outer end thereof, means carried by said arm for adjustably pivoting the said eye to the said member of the clamping device, and means carried by said clamping device and adjustable toward and adapted to engage the side or face of the bar which is opposite said eye.

1,538,427. MEANS AND METHOD FOR GOVERNING FLUID PRESSURES. GEORGE GOODELL EARL, New Orleans, La. Filed Aug. 27, 1918. Serial No. 251,662. 25 Claims. (Cl. 137—78.)

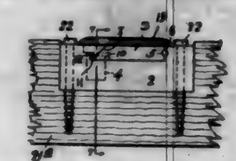
1. In a fluid system, the combination of a container containing a definite amount of fluid of a certain specific gravity, means containing a fluid of a different specific gravity than the fluid in said container, a valve controlling the pressure of fluid in said means, a movable fluid-tight division governing said valve, and means to cause the pressure of the fluids to act on said division and react against each other thereat.

9. In a fluid distributing system, a source of fluid supply, a duct, said duct being divided into supply and exhaust portions by an intermediate portion of relatively high resistance to fluid flow, a valve in the said exhaust portion, an exhaust opening, said valve being located intermediate the said opening and the said intermediate portion, a pair of pressure chambers, one communicating with the said duct supply portion, the other with the said duct exhaust portion, a movable wall for each chamber, a third chamber intermediate the said movable walls, a fluid filling the said third chamber, and said valve being adapted to be operated under the control of



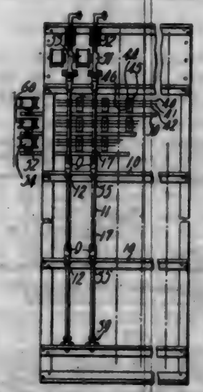
the movable wall of the second chamber, and said wall being responsive to the difference of pressure in the pair of chambers.

1,538,428. POLE-LINE INSULATOR. ALBERT F. EMMONS, Pittsburgh, Pa. Filed Aug. 27, 1920. Serial No. 406,312. 4 Claims. (Cl. 173—314.)



1. A pole-line insulator comprising a lock member provided with a recess having one squarely cut end and one beveled end, and provided also with an opening communicating with said recess, a wire-engaging pin received in said opening, a key member shaped to fit within the said recess and over the said pin, and a locking pin received in registering grooves in the said lock and key members.

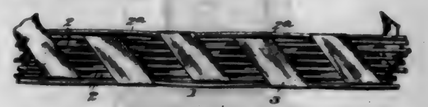
1,538,429. SWITCHING MECHANISM. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 6, 1923. Serial No. 617,242. 4 Claims. (Cl. 179—27.5.)



1. The combination in a switch structure having a plurality of sections, an operating member for each section, means for loosely joining said operating members

to form a self-adjustable single operating unit, and a plurality of members apertured for permitting the removal of the single operating unit in sections.

1,538,430. BEAD CORE. JOHN R. GAMMETER, Akron, Ohio, assignor to The American Chain Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 5, 1923. Serial No. 616,934. 18 Claims. (Cl. 243—1.5.)



2. As an article of manufacture, an annular bead core comprising circumferential inextensible wires, and a fabric tape interwoven with the wires to hold them in parallel relationship.

16. A strip of material for use in forming a bead core, comprising parallel wire strands, and a flat tape woven through said strands.

1,538,431. COPPER-NICKEL ANODE AND METHOD OF PREPARING THE SAME. SIGURD GIERTSEN, Christianssands, Norway, assignor to Kristianssands Nikkelraffineringsverke, Christianssands-S., Norway, a Corporation of Norway. Filed Sept. 26, 1921. Serial No. 503,359. 7 Claims. (Cl. 204—4.)

1. The improvement in the Bessemerising of copper-nickel matte, which comprises continuing the blowing of the charge after practically all iron has been removed and maintaining the charge at a sufficient temperature by the addition of heat producing material.

1,538,432. SHUTTLE FEED STEM HEAD. JOHN JOSEPH HIGGINS, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Sept. 5, 1922. Serial No. 586,072. 17 Claims. (Cl. 49—2.)

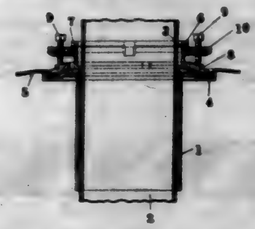


2. A stem head comprising a movable member axially disposed within said head, a work-part support carried by said member and means for moving said member axially of said head to locate said support in a position convenient for the disposition of said part on said support.

1,538,433. VENT-PIPE SLEEVE. JOSEPH HIRSHSTEIN, Cleveland, Ohio. Filed May 16, 1923. Serial No 639,286. 4 Claims. (Cl. 285—31.)

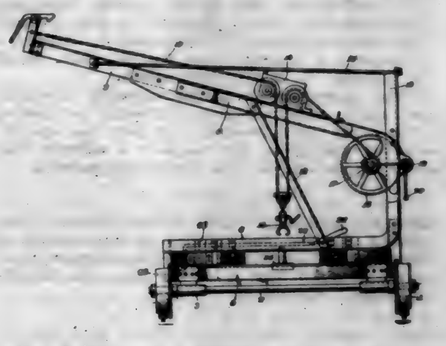
4. The combination of a pipe sleeve provided with a flashing flange and a locking flange, said locking flange having spaced openings therethrough, a clamping ring

cooperating with the flashing flange, a locking ring rotatable with respect to the sleeve and having inwardly projecting lugs adapted to pass through the openings in the locking flange and to be brought into opposition with



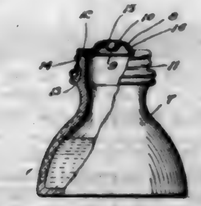
the under surface of said flange by rotative movement of the locking ring, and adjustable means extending from the locking ring to the clamping ring to force the latter into clamping position.

1,538,434. DERRICK TRUCK. HARRY C. HOLLOWAY, Glencoe, and RAY V. DAWNEY, Chicago, Ill. Filed Feb. 17, 1920. Serial No. 359,367. 1 Claim. (Cl. 212—65.)



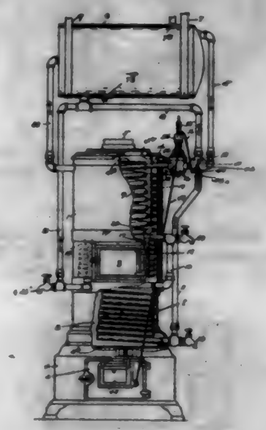
In a derrick truck, a circular angle iron track having an inwardly extending horizontal flange, rollers resting on said flange, arc-shaped bars on opposite sides of said rollers and carried thereby, a plurality of angle irons arranged transversely on said bars, plates secured to said bars and to said angle irons, additional rollers carried by said bars beneath said flange, guides carried by said angle irons, a longitudinally movable locking rod supported by said guides, and a handle for operating said locking rod.

1,538,435. DISPENSER FOR CLEANING AND OTHER FLUIDS. JOSEPH F. KASNICKA and GEORGE B. EFANTIS, Cicero, Ill.; said Efantis assignor to said Kasnicka. Filed Jan. 2, 1923. Serial No. 610,174. 5 Claims. (Cl. 15—138.)



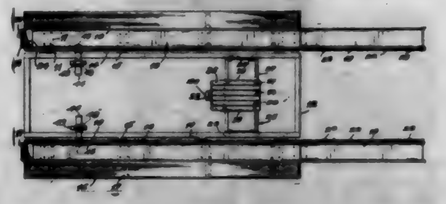
1. A device of the character described comprising, in combination, a receptacle open at its upper end, a member closing the upper end of the receptacle and having an aperture therein, a valve member normally seated over said aperture, and means for retaining the valve member in place adapted when the receptacle is inverted to permit the valve member to be unseated by the pressure of the fluid in the receptacle flowing through said aperture, said means comprising a sheet of fibrous material whereby the fluid discharged may be applied to the work.

1,538,436. WATER HEATER AND STEAM GENERATOR. AUGUST H. KOHLMEYER, Detroit, Mich. Filed June 6, 1919, Serial No. 302,181. Renewed Oct. 24, 1924. 5 Claims. (Cl. 236—32.)



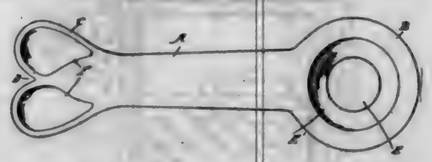
2. In a combined water heater and steam generator, the combination with a vessel alternatively used for heating water and generating steam, of a thermostat subject to the temperature of the hot water or steam produced in said vessel, means for heating said vessel, mechanism actuable by said thermostat for automatically regulating said heating means, a valve controlling the water supply to said vessel and adapted to increase or diminish said supply according as the vessel is employed for heating water or generating steam, and means acting in unison with said valve for adjusting the thermostatic mechanism to increase the application of heat by said heating means to said vessel when the same is used as a steam generator.

1,538,437. VEHICLE WORK RACK. ANDREW C. LARSEN, Minneapolis, Minn. Filed Jan. 23, 1924. Serial No. 687,962. 30 Claims. (Cl. 104—124.)



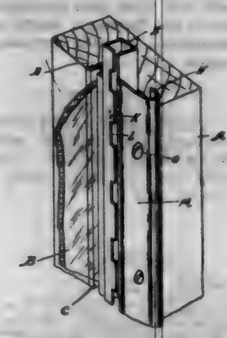
2. A rack of the kind described comprising a pair of laterally spaced supports, and a carriage mounted to travel longitudinally between and below the same, said carriage having a body mounted to travel transversely thereon.

1,538,438. METHOD OF FORMING SHEET-METAL HANDLES. JOHN D. LAWRENCE and STANLEY W. NICHOLSON, Toledo, Ohio, assignors to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Oct. 11, 1920. Serial No. 416,246. 5 Claims. (Cl. 113—51.)



1. The method of forming a handle consisting in first forming a sheet metal blank having enlarged end portions, one of which is circular, producing by an initial stamping operation a cup-shaped recess in said circular end portion and a pair of symmetrical recesses at each side of the center line of the blank in the other enlarged end portion thereof, imparting a U-shape to the center portion of the blank by a second stamping operation and by the same operation bending the symmetrically recessed portions into opposed relation.

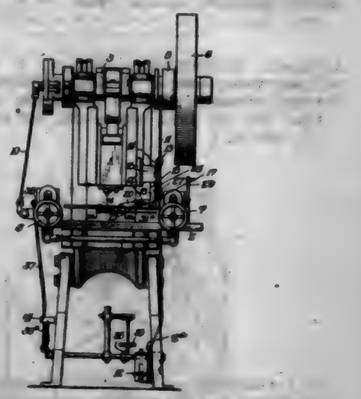
1,538,439. VEHICLE WINDOW CONSTRUCTION. JOHN D. LAWRENCE and STANLEY W. NICHOLSON, Toledo, Ohio, assignors to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed Dec. 6, 1920. Serial No. 428,644. 4 Claims. (Cl. 296—44.5.)



1. In a window construction, the combination with a window frame upright, of a tubular sheet metal member longitudinally extending upon said upright within the window opening and formed with a slot in its outer wall in proximity to one of its side walls and a sheet metal trim stick bridged between the free edge of said side wall of the tubular member and the upright and formed with a shoulder adjacent its seat on said edge, laterally bearing against the wall terminating in said edge.

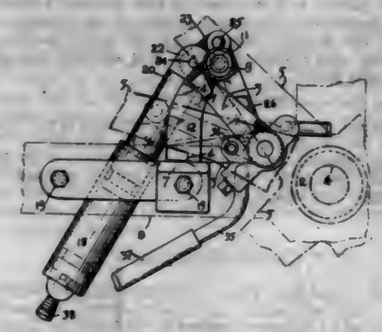
1,538,440. STOCK-CONTROLLED FEED FOR PRESSES. FREDERICK J. LITTELL and WILLIAM N. TWOMB, Chicago, Ill., assignors to F. J. Littell Machine Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 4, 1923. Serial No. 629,821. 8 Claims. (Cl. 164—89.)

1. In a machine of the class described, a tool, driving mechanism for said tool, means responsive to the presence of stock in the machine, having a connection through which it controls said driving mechanism, and means interposed in said last-named connection through which to lock off the control thereof; said connection



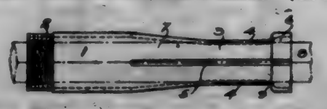
embodying a movable shoulder and a detent coacting therewith; and said locking off means comprising a cam movable to separate said shoulder and detent.

1,538,441. COMPRESSION STOP. HARRY DE FOREST MADDEN, Newark, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed June 2, 1921. Serial No. 474,391. 31 Claims. (Cl. 188—94.)



1. In a machine, the combination of a carrier for transporting fragile articles such as incandescent electric lamps or the like, a stop comprising a compression-member associated with said carrier, said member being movable transversely to and adapted to be positioned in the path of said carrier and means for removing said member from the path of said carrier.

1,538,442. FEED COLLET. JACOB A. MANN, Detroit, Mich., assignor to Margaret Jane Mann. Filed May 31, 1924. Serial No. 717,162. 4 Claims. (Cl. 29—62.)



1. A feed collet comprising a tubular member threaded externally at one end which is circumferentially closed, a gradually tapered connection extending from said closed end to an intermediate body portion of reduced diameter, and an abrupt change of diameter between said inter-

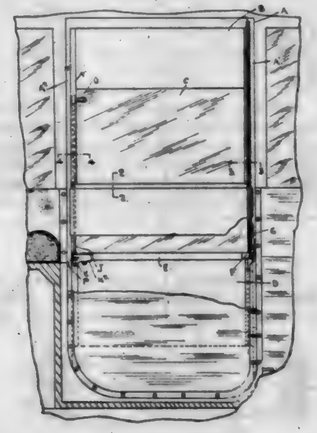
mediate body portion and a front collar, said intermediate body portion being pierced by a plurality of longitudinal slots, one of said slots also being extended through and splitting said collar.

1,538,443. WINDSHIELD. WILLIAM B. MURRAY, Ann Arbor, Mich., assignor to Motor Products Corporation (1923), Detroit, Mich., a Corporation of New York. Filed Oct. 30, 1922. Serial No. 597,972. 1 Claim. (Cl. 296—92.)



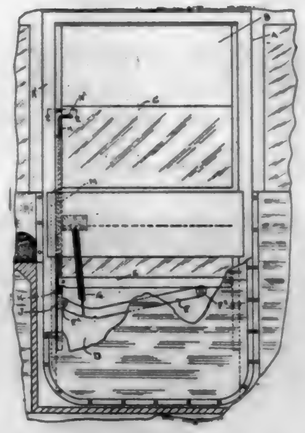
In a windshield pivot mounting, the combination with a windshield and a supporting standard therefor, of a trunnion having a shoulder abutting one side of the standard and having a socket portion extending transversely of the standard, a cap engaging the opposite side of said standard and having a socket portion abutting the socket portion of the trunnion, a headed element securing the trunnion to the windshield, the head of said element being located within the socket portion of said trunnion and the socket portion of said cap, a lock washer surrounding the headed element within the socket portion of said trunnion between the face of said socket portion and the head of said element, a friction band surrounding the socket portion of the trunnion between the shoulder thereof and the socket portion of said cap, and means carried by said standard for actuating said band.

1,538,444. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed May 22, 1922. Serial No. 562,869. 10 Claims. (Cl. 296—48.)



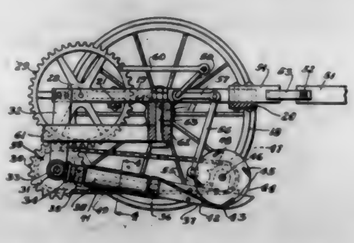
4. The combination with a sliding window closure, of an elongated coiled counterbalance spring for said closure, and a tubular fibrous anti-rattler packing around said spring and in close proximity thereto.

1,538,445. WINDOW-CONTROL MECHANISM. STANLEY W. NICHOLSON, Toledo, Ohio, assignor to The Dura Company, Toledo, Ohio, a Corporation of Delaware. Filed May 22, 1922. Serial No. 562,870. 10 Claims. (Cl. 292—202.)



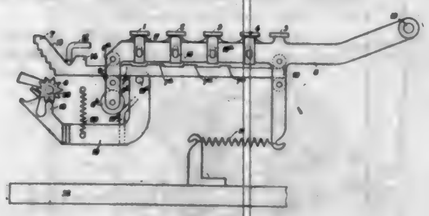
10. In a window control mechanism, the combination with a slidable window member, of a control rod extending upon said member in the direction of travel thereof, said rod having a transversely bent portion at one extremity forming a latch element and a transversely bent portion at the other extremity and spaced longitudinally of said rod from said first-mentioned transversely bent portion and forming a handle and stationary latch means engageable by said first-mentioned transversely bent portion.

1,538,446. VEGETABLE HARVESTER. HENRY C. NIEMEYER, Chicago, Ill. Original application filed Mar. 17, 1921, Serial No. 453,046. Divided and this application filed Nov. 21, 1921. Serial No. 516,683. 3 Claims. (Cl. 55—107.)



1. A top clipping machine of the class described, comprising a clipper frame mounted between the wheels of said machine to tilt on a rearward pivot; a pair of cross beams on said frame; a sheet metal platform extending forward from the front cross beam; a cutting edge on the front of said platform; a member rotating on a horizontal axis and provided with cutting blades co-operating with said edge; a pair of longitudinally extending rollers mounted between said cross beams; a continuous apron mounted on said rollers to convey tops to the side of the machine; driving means on a wheel; and transmission mechanism connecting said driving means with said rollers and said rotating member.

1,538,447. CALCULATING MACHINE. GUY BAZELEY PETTER, Ipswich, England. Filed May 21, 1923. Serial No. 640,580. 7 Claims. (Cl. 235—82.)



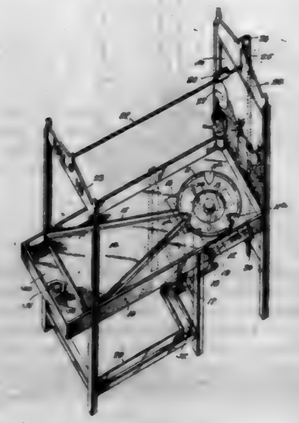
1. In calculating machines of the multi-bank type, a series of ordinal keys in each bank, a row of pivoted figure carrying elements, teeth on said figure carrying elements, and means actuated by said keys, said means engaging said teeth on the movement of said keys in the operative direction and disengaging them in the other direction of movement, said means comprising lever mechanisms carrying engaging elements adapted to engage said teeth, said lever mechanisms comprising pivoted rocking levers in combination with longitudinal members adapted to move longitudinally of the rocking lever, characterized in that the longitudinal movement takes place automatically during the movement of the levers in the operative direction by reason of the pressure of the teeth on the figure carrying elements against the longitudinal members.

1,538,448. SWITCH STAND. NEIL E. SALSICH, Bethlehem, Pa. Filed Dec. 4, 1924. Serial No. 753,784. 4 Claims. (Cl. 246—409.)



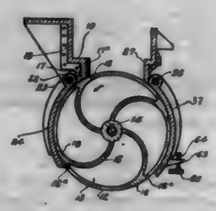
1. In a switch stand, the combination of a base member having an intermediate lower housing portion defined by the base member and by an upwardly extending wall integral therewith and having foot plate portions adapted to rest on adjacent ties, a lower bearing member carried by one side of the wall and spaced above the upper surface of the base member, an upper housing portion secured to the wall, an upper bearing member carried by the upper housing portion and mating with the lower bearing member, an actuating shaft fitting the bearing members, a lever connected to the shaft, said foot plates extending laterally beyond the outer ends of the bearing members and having spike-receiving openings adjacent to the ends thereof, integral latch posts carried by the lever side ends of the foot plates, and lever latching means carried by the latch posts.

1,538,449. GAME APPARATUS. FRANK SCHULZ, New York, N. Y. Filed Sept. 14, 1922. Serial No. 588,101. 6 Claims. (Cl. 273—125.)



1. In a game apparatus, in combination, a target having an aperture to permit the passage of a missile launched from a playing position, a support on which the target is movably mounted whereby the aperture therein may be carried through a predetermined path, a movable prize-carrier, a support therefor, and means associated with the prize-carrier and located beyond a predetermined point in the path of said aperture in the target and controlled by the missile after passing through said aperture when the same is in said predetermined point in its path to cause the prize-carrier to move toward the playing position.

1,538,450. ASH-DISPOSAL APPARATUS. SAMUEL STEWART, Birmingham, Ala. Filed Jan. 27, 1923. Serial No. 615,402. 4 Claims. (Cl. 110—165.)



4. In an ash disposal apparatus, a chute, and a rotary ejector for discharging material therefrom, hinged air excluding guards for said ejector, said ejector having webs parallel with the axis of the ejector curved in transverse cross section from its hub outwardly to present concave load supporting bottom surfaces for the loaded pockets adapted to support the material out of contact with the air excluding guards.

1,538,451. WINDOW CONSTRUCTION. ALBERT STROBEL, Cleveland, Ohio. Filed Feb. 28, 1924. Serial No. 695,707. 2 Claims. (Cl. 20—53.)



1. The combination with a window frame having vertical inner and outer sash guide ways, and substantially centrally arranged parting strip grooves between the guide ways; or a supplemental frame arrangeable in the outer guide way, panels covering the inner guide way, and ribs integrally formed with the panels to fit in said parting strip grooves whereby to retain the supplemental frame in position.

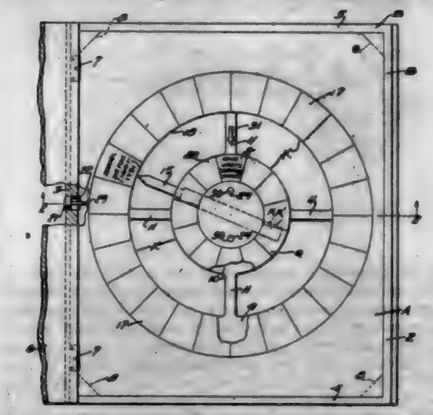
1,538,452. RING CONSTRUCTION. JOHN A. SWEITZER, Providence, R. I., assignor to Powers & Mayer Manufacturing Corporation, New York, N. Y., a Corporation of Rhode Island. Filed July 7, 1922. Serial No. 573,315. 6 Claims. (Cl. 63—15.)



6. A ring construction comprising a shank having a recess therein, a head member mounted in said recess, said head member having a plurality of openings therethrough, a cap member mounted on said head member and having a plurality of projections passing through the openings in the head member and extending to a point adjacent the body member, whereby said projections can be secured to the body member thereby securing the head member in position.

1,538,453. MAGNETIC TOY OR GAME. ADOLPH ALEXANDER THOMAS, New York, N. Y. Filed June 15, 1923. Serial No. 645,504. 27 Claims. (Cl. 273—141.)

24. A magnetic toy or game comprising a box having a series of notations arranged in a circular path, a pivoted magnet associated with said notations, a second series of notations arranged in a circular path and bearing a certain relation to said first series of notations, a second pivoted magnet associated with said second series of notations and arranged to be influenced by the first magnet, a manually rotatable member for turning the first magnet to indicate the desired notation on the associated series, whereby the second magnet swings to indicate a notation on the other series, a device in said box for holding the second magnet against turning



during adjustment of the first magnet, a finger piece projecting outside the box, and a connection between said device and said finger piece for moving said device into releasing position.

1,538,454. LACING MEANS. STEPHAN TRAWINSKI, Chicago, Ill. Filed June 12, 1924. Serial No. 719,588. 2 Claims. (Cl. 24—145.)



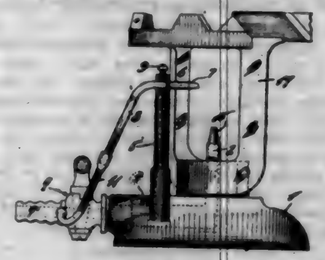
1. In a lacing mean sof the kind described, the combination with a sheet of material folded back upon itself and having a slit cut in the folded edge, the folded portion being secured to the body of the sheet, of an eyelet member formed of an integral sheet of metal bent back upon itself to form a base of superimposed layers and to form a closed eye, the eye projecting through said slit and the base having shoulders engaging the inner side of said folded material.

1,538,455. GAME DEVICE. LEON WINKEL, New York, N. Y. Filed Oct. 1, 1924. Serial No. 740,884. 1 Claim. (Cl. 273—145.)



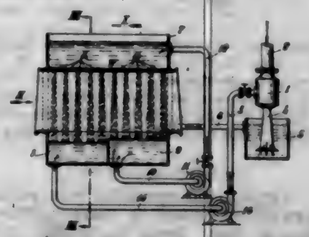
A game device comprising a liquid filled container, the body of the container being formed from a tubular member having threaded ends, transparent closures for the ends of the cotainer, gaskets between the ends of the container and the closures, and ring-like cups adapted to screw over the ends of said container and engage the closures to force the same towards the edges of the container whereby the device will be rendered leak proof, and floating game pieces in said container.

1,538,456. BURNER. JOHN H. ZIMMER, St. Louis, Mo. Filed June 17, 1922. Serial No. 568,955. 5 Claims. (Cl. 158—115.)



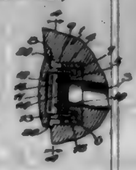
1. A burner comprising a tip, a conductor for conducting a combustible under pressure to said tip, said tip being provided with an orifice of such size that a stream of combustible issues from said tip at a velocity greater than the velocity of flame propagation, and a lighter above said tip and separated therefrom by an unconfined air gap, said lighter being located at a point along the stream of combustible where the velocity of the combustible is approximately equal to the velocity of flame propagation in the stream of combustible at which point the combustible is ignited to produce a flame.

1,538,457. WATER-COOLING DEVICE FOR CONDENSERS. HEINRICH ZOELLY, Zurich, Switzerland. Filed Mar. 14, 1921. Serial No. 452,170. 6 Claims. (Cl. 261—118.)



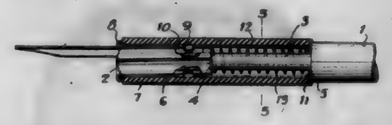
1. An apparatus for re-cooling the cooling water of steam condensing plants on vehicles, which comprises, means for dividing the water to be cooled into a plurality of jets, means for conducting a current of air through the apparatus and transversely to said jets, and means for regulating the relative quantity of water and the velocity of the cooling air to prevent the air from carrying particles of water from the apparatus.

1,538,458. TOBACCO PIPE. JOHN BACHMANN, Chicago, Ill. Filed Nov. 1, 1923. Serial No. 672,170. 7 Claims. (Cl. 131—12.)



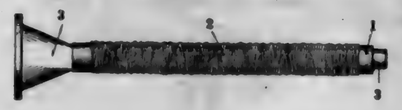
1. A tobacco pipe, comprising a chambered bowl and a stem provided with a draft passage therethrough extending to the exterior of said bowl, and yieldable means closing said passage at the exterior of said bowl.

1,538,459. PENHOLDER. JAMES J. BOYLE, New York, N. Y., assignor of one-half to Daniel P. Boyle, New York, N. Y. Filed Apr. 12, 1923. Serial No. 631,786. 1 Claim. (Cl. 120—101.)



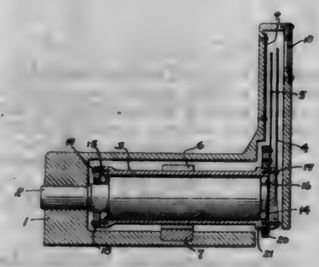
A penholder having a shaft, a filler and a reduced stem connecting the filler and shaft, a slidable ejecting grip tube normally enclosing the filler and stem and having an internal flange on its rear portion, there being a spring chamber between the tube and the stem, and a spring in said chamber acting between said flange and the shoulder at the back of the filler to urge the grip tube rearward against the shaft.

1,538,460. MEANS AND METHOD FOR HANDLING FOOD CASINGS. FRANK V. BRECHT, St. Louis, Mo. Filed Jan. 25, 1924. Serial No. 688,378. Renewed Nov. 14, 1924. 9 Claims. (Cl. 17—45.)



1. The combination of a tubular flexible container for meats and the like, and a hollow flexible container supporting member passing therethrough.

1,538,461. SCALE. HUGH M. CAMERON, Newark, N. J., assignor to John Chatillon & Sons, New York, N. Y., a Corporation of New York. Filed Mar. 25, 1922. Serial No. 546,584. 6 Claims. (Cl. 73—151.)

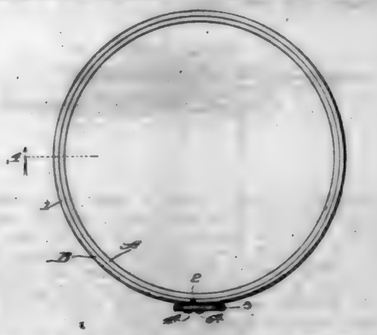


1. In a scale, a substantially counter balanced pivoted indicator having its support above the axis of rotation and utilizing the bearing looseness to provide a pendulum action and means for actuating said indicator.

1,538,462. EMBROIDERY HOOP. GUSTAF A. CARLSON, Chicago, Ill., assignor to The Boye Needle Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,867. 2 Claims. (Cl. 45—24.)

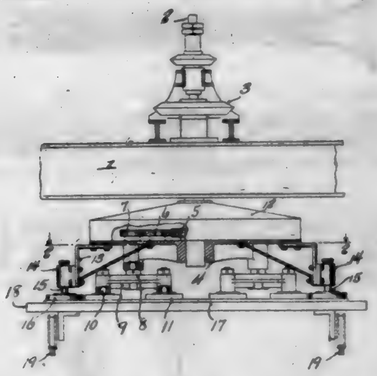
1. A device of the character set forth comprising a split ring having its meeting ends provided with hollow beads, wires secured within said beads at one end and

extending into the guides afforded by the beads at the other end, a pivot-stud secured to said ring between the beads at one end, a cam-stud secured to said ring



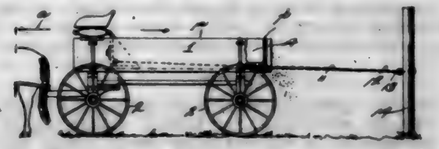
between the beads at the other end, and a disk journaled on said pivot-stud and provided with a cam-slot engaging said cam-stud.

1,538,463. MACHINE FOR GRINDING AND POLISHING SLABS. JAMES CARRIE, Butler, Pa., assignor to Plate Glass Machinery Co., Butler, Pa. Filed Mar. 10, 1924. Serial No. 698,066. 2 Claims. (Cl. 51—109.)



2. A grinding and polishing machine comprising a longitudinal traveling carriage adapted to receive a plate of glass, a rotary grinding mechanism fixedly positioned above the table and a series of groups of grinding and polishing shoes, means for imparting a planetary motion to the same and auxiliary grinding and polishing shoes interposed between the outer shoes of each group, the same being provided with means for imparting a rotary motion thereto.

1,538,464. WAGON-UNLOADING DEVICE. FRED W. CHICH, Weyauwega, Wis. Filed Mar. 16, 1923. Serial No. 625,642. 1 Claim. (Cl. 214—44.)

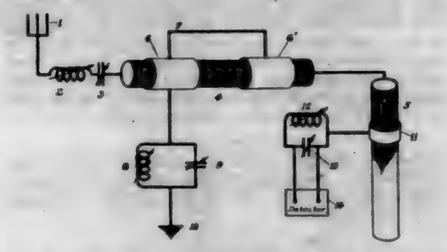


The combination with a wagon body having slidably mounted therein an unloading device for forcing material from the body through the rear end of the body, a flexible member connected to said slidable member and extending rearwardly through the open end of the body adjacent the bottom thereof, of a rearwardly movable and slidable end gate, said end gate comprising a vertically disposed portion, the lower end of said vertically disposed portion being provided with a horizontally disposed portion extending forwardly in the wagon body and resting on the flexible member, said end gate being held normally in position and against rearward movement by weight of the material on the horizontal portion thereof.

1,538,465. PROCESS OF MAKING FIBROUS MATERIAL. ALBERT L. CLAFF, Danvers, Mass. Filed Oct. 4, 1920. Serial No. 414,505. 5 Claims. (Cl. 92—8.)

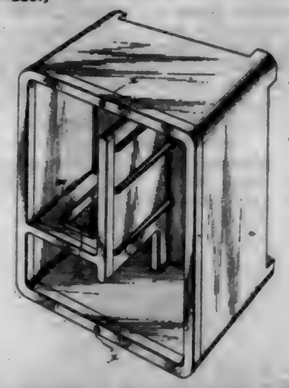
5. A process of making fibrous sheet material suitable for gun wads, which comprises beating or disintegrating approximately sixty parts by weight of cotton in sufficient water to permit circulation of the mass, then adding to and mixing therewith about forty parts by weight of animal hair, together with sufficient carbolic acid to prevent or retard decomposition of the hair, and finally forming the resultant fibrous mass into a sheet.

1,538,466. ELECTRICAL SIGNALING. LOUIS COHEN and JOSEPH O. MAUBORGNE, Washington, D. C. Filed Oct. 25, 1920. Serial No. 419,383. 14 Claims. (Cl. 250—20.)



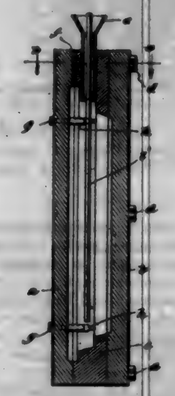
1. A system for radio signaling in which the received signals or other electrical effects acting on an ungrounded antenna system are caused to pass through a wave coil and produce a wave development on said wave coil, said wave coil being operatively associated with adjustable metal tubes and a suitable indicating instrument.

1,538,467. METHOD OF MOLDING THE SHELLS OF REFRIGERATORS. LLOYD G. COPEMAN, Flint, Mich. Filed June 25, 1923. Serial No. 647,599. 4 Claims. (Cl. 25—155.)



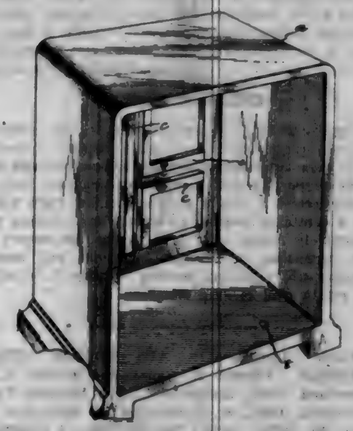
1. The method of making a refrigerator which comprises the casting of an inner plural chambered shell by the pouring of a semi-fluid cementitious composition material into suitable molding apparatus and permitting the same to set, the casting of an outer shell with the same material and in the same way, and the fastening of the two shells together in spaced relation to complete the refrigerator enclosure.

1,538,468. METHOD OF CASTING REFRIGERATOR DOORS. LLOYD G. COPEMAN, Flint, Mich. Filed June 25, 1923. Serial No. 647,600. 2 Claims. (Cl. 25—155)



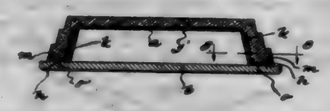
1. A method of casting and finishing stone-work sections in molds, which comprises the pouring the cementitious material into the mold at the center of the top of the same, and the inserting of a long thin removable core through the pour opening and removing the same to provide a hole in the work to receive an arbor, and the supporting of the same upon such arbor to complete the finishing operations.

1,538,469. REFRIGERATOR. LLOYD G. COPEMAN, Flint, Mich. Filed June 25, 1923. Serial No. 647,603. 14 Claims. (Cl. 217—7.)



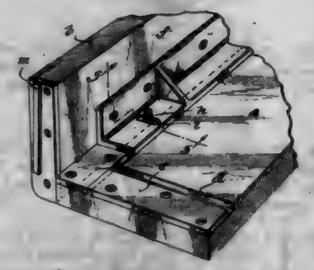
1. In a refrigerator, the combination of an outer moulded shell, an inner moulded shell telescoping therein, and a back plate for carrying the inner moulded shell and holding it in spaced relation with respect to the other moulded shell.

1,538,470. REFRIGERATOR DOOR. LLOYD G. COPEMAN, Flint, Mich. Filed Dec. 20, 1923. Serial No. 681,001. 12 Claims. (Cl. 20—35.)



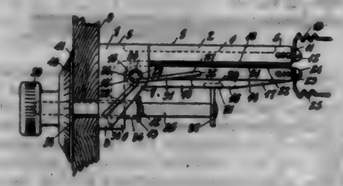
8. In a door the combination of a fibrous outer panel and a hollow tile stonework inner lining cast onto the door the major portion of said lining spaced from the outer panel.

1,538,471. COLLAPSIBLE MOLDING DIES. LLOYD G. COPEMAN, Flint, Mich. Filed Jan. 17, 1924. Serial No. 686,884. 8 Claims. (Cl. 25—130.)



1. In a molding apparatus, a collapsible molding core provided with side walls and a bottom wall, and means requiring the side walls to draw in away from the casting as the side walls are removed from the bottom wall.

1,538,472. CONDENSER. POWEL CROSLEY, JR., Cincinnati, Ohio. Filed May 28, 1921. Serial No. 471,806. 8 Claims. (Cl. 250—41.)

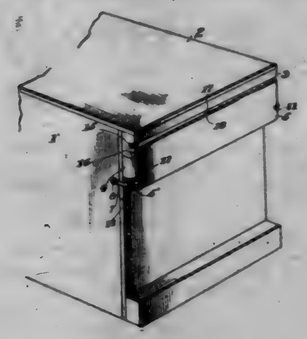


1. In a condenser, a plurality of elements having opposed dielectrically separated electrically conducting surfaces, a support on which one of said elements may be moved toward or away from the other element, to vary the capacity between said surfaces, manipulating means, and operating means having a sliding engagement with said one of said elements to transmit movement of the manipulating means to said one of said elements, this one of said elements yieldingly resisting said operating means, whereby the element and the operating means have their sliding engagement maintained throughout the movement.

1,538,473. BOX FASTENER. WILLIAM CROSS, Polo, Ill. Filed Sept. 22, 1924. Serial No. 739,285. 3 Claims. (Cl. 212—56.)

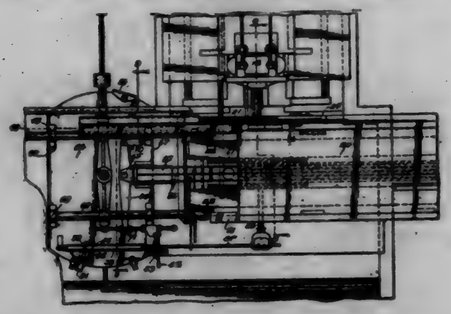
1. In combination with a crate provided with a cleat on its end wall below the top thereof and a lid therefor provided with a depending cleat adapted to rest on the

first mentioned cleat, the cleat on said lid being provided with a longitudinal groove in its outer face; of a plate pivotally carried on said crate and provided with



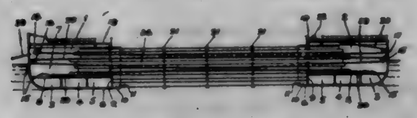
an inwardly projecting flange adapted to be received in the groove of the last mentioned cleat, and spring means to normally retain said locking plate in engaging position.

1,538,474. SPACING TABLE. EDWIN G. DANIELS, Chicago, Ill., assignor to Chicago Bridge & Iron Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 31, 1923. Serial No. 671,933. 22 Claims. (Cl. 164—117.)



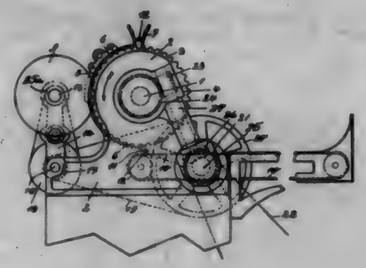
1. A device of the character described comprising; a slidably mounted table; a rack-bar attached to the table; a dog arranged in connection with the rack-bar, whereby the dog will engage the successive teeth of the rack-bar upon successive movements of the table; and means for moving the dog in a direction parallel to the movement of the table, a predetermined distance at each movement of the table.

1,538,475. LOG RAFT AND RAFTING DEVICE. GILBERT G. DAVIS and MATTHEW J. DAVIS, Portland, Oreg. Filed Nov. 21, 1923. Serial No. 676,124. 8 Claims. (Cl. 9—15.)



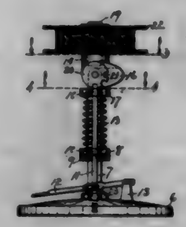
1. The combination with a longitudinally arranged log raft having floor logs and side wall logs, of a pair of open ended vessels into which the ends of the raft are adapted to rest, and means surrounding the open ends of the vessels for engaging the ends of the floor and side wall logs.

1,538,476. MACHINE FOR CUTTING SEVERAL INDIVIDUAL CIGARETTES FROM PREVIOUSLY-CUT CIGARETTE RODS. HEINRICH ELSNER, Dresden, Republic of Germany. Filed Jan. 31, 1921. Serial No. 441,520. 3 Claims. (Cl. 131—30)



1. A machine for the manufacture of individual cigarettes from previously cut cigarette rods characterized by a rotating drum, provided at its periphery with grooves into which the said cigarette rods drop after leaving the cigarette-making machine; and furthermore means for adjusting the cigarette rods so that the ends thereof will lie in one plane, guide bands around a part of the circumference of the drum, circular knives for dividing the cigarette rods into individual cigarettes, and a conveyor belt for carrying away the said individual cigarettes.

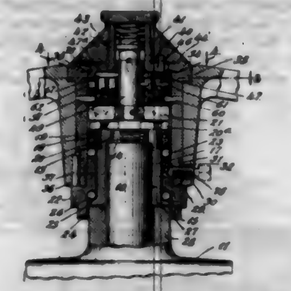
1,538,477. WIRE-REEL SUPPORT. IRVING EPSTEIN, Brooklyn, N. Y., assignor of one-half to Elmore F. Shuster, New Haven, Conn. Filed Oct. 2, 1924. Serial No. 741,211. 11 Claims. (Cl. 242—85.)



1. A reel support comprising a head, means for rotatably supporting said head, means on said head to rotatively receive a reel, a locking member rigid with said head, a retaining member to engage said locking member to positively retain said head against movement in opposite directions in different positions, and means for operating said retaining member to cause it to automatically retain said locking member.

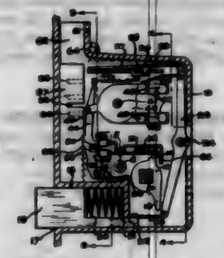
1,538,478. LOCK FOR AUTOMOBILE STEERING WHEELS. JOSEPH E. ERDEY and HARRY H. KNEE, Cleveland, Ohio, assignors to The Safelock Co. Inc., Cleveland, Ohio, a Corporation of Delaware. Filed Aug. 29, 1922. Serial No. 584,936. 7 Claims. (Cl. 70—129.)

1. A lock for automobile steering wheels comprising a base assembly consisting of a bushing adapted to be secured to the steering shaft of an automobile, a lock base secured to said bushing and a lock base cap; an upper assembly rotatably mounted on said lower assembly and including a steering wheel, a lock housing, means movable longitudinally of said shaft adapted to prevent relative rotation between said upper and lower



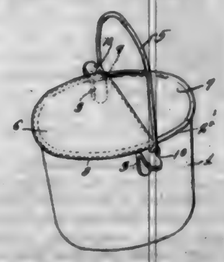
assemblies, and lock mechanism to control the longitudinal movement of said means, said bushing lock base cap defining a plurality of ball races.

1,538,479. COMBINATION LOCK. THOMAS JOSEPH FLEURY, Toronto, Ontario, Canada. Filed Mar. 5, 1923. Serial No. 623,043. 5 Claims. (Cl. 70—18.)



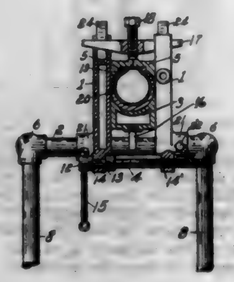
1. In a combination lock, the combination with a casing door knob and door knob shank extending through the casing, of a series of independently movable parallel plates, a bolt guided in the casing, an operating lever pivoted in the casing and linked to the bolt at one end, a push arm pivotally connected to the opposite end of the lever, means for independently adjusting the plates vertically located between the door knob shank and push arm, and a series of movable knobs located exteriorly of the casing for independently operating each of such individual plate adjusting means.

1,538,480. MILK PAIL. EDWARD A. GALLAGHER, Mount Vernon, Wash. Filed Aug. 19, 1919. Serial No. 318,564. 1 Claim. (Cl. 31—50.)



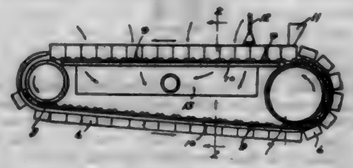
The combination with the beaded opening of a bucket, said bucket being provided with outwardly extending ears adjacent the under side of the bead of the beaded opening and oppositely disposed, of a cover for said bucket covering substantially half of the bucket, said cover comprising a semi-circular shaped member, a downwardly and inwardly extending flange carried by the cover and adapted to engage the bead of the beaded opening of the bucket, the inner corners of the downwardly and inwardly extending flange being bent downwardly and outwardly, thereby forming spring lugs adapted to engage over the bucket ear sides at the opposite sides thereof to the cover and under the bucket opening bead for holding the cover against displacement.

1,538,481. VULCANIZER. EDWIN RUDOLPH GEWERT, Cincinnati, Ohio. Filed June 11, 1924. Serial No. 719,358. 3 Claims. (Cl. 18—18.)



3. A vulcanizer comprising a frame a pair of hollow side walls, one of said side walls being fixed in position on said frame a lug on said fixed wall, the other side wall being slidably mounted on said frame, a female screw thread being tapped in said lug, a smooth-bored lug on the slidable side wall, a clamping screw adapted to screw into the threaded lug on the fixed side wall, and adapted to turn freely in the lug on the slidable side wall, stop collars on said screw, a handle on said screw adapted for turning same, said screw being adapted to move said slidable side wall toward or away from the fixed side wall.

1,538,482. PROCESS OF PRODUCING HARD, CELLULAR, CLAY PRODUCTS. FRANK A. GLASS, Brainerd, Minn. Filed June 5, 1922. Serial No. 566,051. 1 Claim. (Cl. 25—158.)



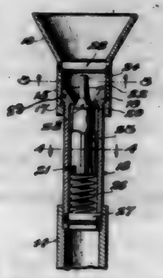
The process of producing from a clay substance a light weight hard cellular slag-like mass suitable for concrete aggregates, road beds, and the like, which consists in intimately and evenly commingling finely divided earth substances with finely divided fuel, in maintaining the commingled mass in a uniformly and freely permeable condition, in igniting the fuel of the mass at one surface thereof, and in concurrently maintaining three actions, to wit: (a) progressively burning out the fuel of the mass by forcing a combustion-supporting gas therethrough, (b) maintaining the commingled mass in a state of quiescence, free from mechanical agitation, and (c) cooling that portion of the mass from which the fuel particles have been burned by forcing the combustion-supporting gas therethrough on its way to the burning zone.

1,538,483. LIQUID-COOLING DISPENSING DEVICE. FREDERIC CHARLES GRANTHAM, Vancouver, British Columbia, Canada. Filed Oct. 15, 1924. Serial No. 743,828. 2 Claims. (Cl. 225—40.)



1. In a device of the class described, a liquid container having a top opening and adapted to be supported upon a cooler and to discharge liquid when in inverted position, a sleeve fitted to the top opening, a pair of oppositely disposed stoppers endwise movable to engage opposite ends of the sleeve to seal the container, and means upon one of the stoppers to engage the end of the sleeve to remove it from the container.

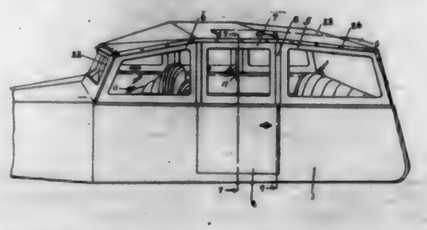
1,538,484. LIFE BELT. SAMUEL H. HAHN and FRED MORSE, New Haven, Conn. Filed Nov. 8, 1924. Serial No. 748,756. 3 Claims. (Cl. 9—17.)



1. Mechanism of the class described, comprising a body member having a valve seat near one end thereof, a valve within the body member, yielding means for moving the valve upon its seat; and a mouth piece slidably connected with the body member having a part connected therewith which during its movement in one direction engages the valve and moves it off its seat.

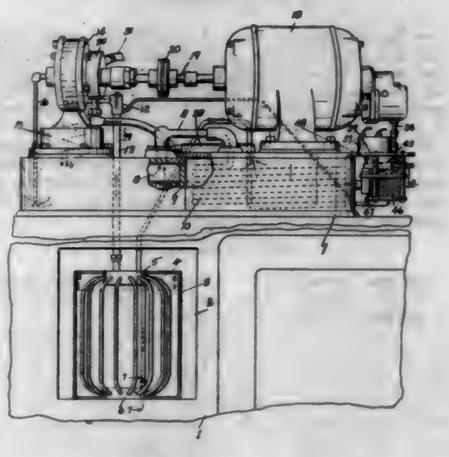
1,538,485. CONVERTIBLE VEHICLE BODY. ALBERT OWEN HOLTOM, New York, N. Y. Filed Dec. 31, 1921, Serial No. 526,277. Renewed Jan. 12, 1925. 16 Claims. (Cl. 296—08.)

1. In a convertible vehicle body, the combination of sides having opposed door openings therein, doors, said sides and doors being chambered to receive side and door panels, the inner walls of said sides and doors terminating below the outer, front and rear side and door panels telescoping in said sides and doors, top rails hinged to the inner walls of the sides and doors to complement the same and adapted to close outwardly against the outer walls or to clamp the panels when in their erected position, clamping means for said rails whereby the panels are independently supported, frame-like top members hinged to the sides to collapse inwardly about the said door openings thereof or to be swung to erected position constituting door frame members for the erected door panels, detachable cross top members supporting said top members in erected position, a wind shield, and a cover of flexible material



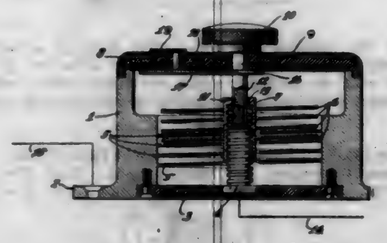
adapted to be drawn over said panels and said top frame members, said side panels and top frame members and wind shield, and said cover being provided with coacting disengageable fastener members whereby the cover may be detachably secured thereto, said sides being also provided with fastener members adapted to coact with the fastener members of said cover when the rear side panels are collapsible, for the purpose specified.

1,538,486. REFRIGERATING MACHINE. FREDERICK J. HUMPHREY, HUBERT R. HUMPHREY, and GEORGE A. HUMPHREY, Kalamazoo, Mich., assignors to The General Gas Light Company, Kalamazoo, Mich. Filed June 14, 1923. Serial No. 645,285. 28 Claims. (Cl. 62—4.)



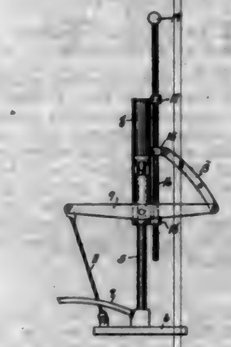
1. In a structure of the class described, the combination of a compressor, a motor for driving said compressor, an expansion chamber, a condenser operatively connected to said compressor and expansion chamber, means for controlling said motor comprising a switch, an actuating lever for said switch provided with a dog, a timing member driven by said motor provided with a tappet coacting with said dog for actuating said lever to switch opening position, a spring for actuating said lever to switch closing position when said dog is disengaged from said tappet, releasing means for said dog operatively associated with said expansion chamber, and a water supply valve for said condenser provided with a stem, said timing member being provided with a cam adapted to hold said valve open during the actuation of said timing member, said cam permitting the valve to close when the timing member is in its initial position.

1,538,487. ELECTRICAL CONDENSER. OSKAR MEIROWSKY, Palisade, N. J. Filed Apr. 29, 1922. Serial No. 557,451. 8 Claims. (Cl. 250—41.)



1. A variable condenser embodying a plurality of co-operating, coaxial, helical plates, at least one of which is relatively rotatable for the purpose of varying the effective cooperating areas of said plates.

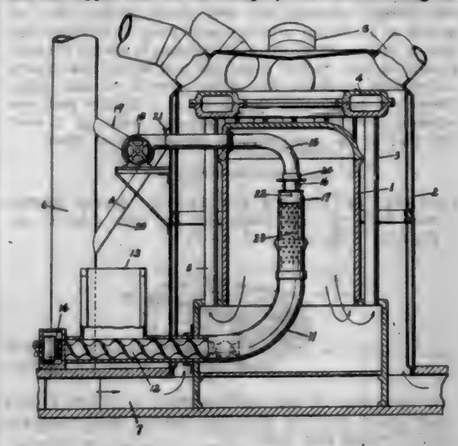
1,538,488. TIRE PUMP. PIETRO PASCUCCI, Meriden, Conn. Filed July 2, 1924. Serial No. 723,653. 2 Claims. (Cl. 230—27.)



1. A tire pump, comprising a base, a hollow piston rigidly mounted thereon, an outlet for said piston, a cylinder set over the upper end of the piston, a lever pivotally connected with the cylinder and projecting from the opposite sides thereof, a link connecting one end of the lever with the base, an operating-rod guided for vertical movement with the cylinder, and a link connecting the opposite end of the lever with said operating-rod.

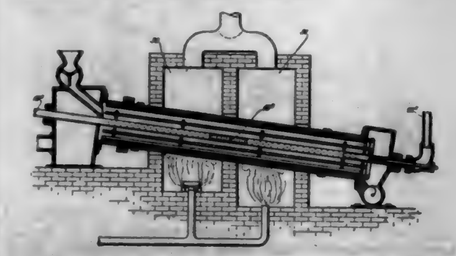
1,538,489. FURNACE. RAY J. POTTER, Dowagiac, Mich. Filed Sept. 16, 1924. Serial No. 738,012. 19 Claims. (Cl. 110—75.)

1. In a structure of the class described, the combination with a combustion chamber, of a tubular foraminated firepot of relatively small diameter disposed vertically within said combustion chamber, a fuel feed means provided with a fuel delivery conduit connected to the bottom of said firepot, and a blast pipe projecting into said combustion chamber above said firepot, and provided with a conical nozzle head constituting a closure for the upper end of the firepot, said head having air



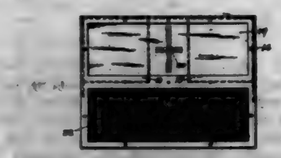
ports in its upper end and a nozzle depending therefrom centrally within said firepot and having side discharge openings.

1,538,490. ROTARY RETORT. JAMES W. H. RANDALL, New York, N. Y. Filed May 13, 1920. Serial No. 380,967. 7 Claims. (Cl. 202—15.)



7. A fractionating apparatus embodying an inclined retort mounted for rotation, means for rotating the retort and a plurality of perforated fluid inlet ducts extending longitudinally of the retort and positioned between the axis of the retort and the inner circumference of said retort, said ducts being mounted for bodily rotation with the retort and adapted to be successively buried by the material under treatment for the purpose of lowering the temperature at which the vapors are evolved and to also drive off the vapors immediately upon their evolution.

1,538,491. MOTOR-VEHICLE SIGNAL DEVICE. WILLIAM B. REED, Portland, Oreg. Filed Dec. 27, 1922. Serial No. 609,293. 4 Claims. (Cl. 40—132.)



1. In a vehicle signal device, a rigidly secured translucent glass panel having two laterally aligned portions, the first portion of a color different from that of the characters on an official vehicle license plate of com-

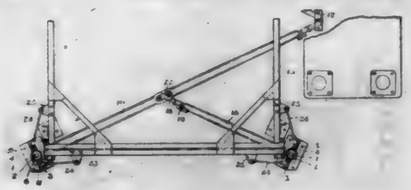
mon type, the second portion of a color like that of the background of such a plate, and a stencil plate superimposed upon said glass panel, said stencil having cut therein, opposite the first panel portion, the numerals of an official vehicle license plate of common type, with a surface about them of like color to that of the background of such license plate, the said stencil also having cut therein, opposite the second portion of said panel, characters designating the licensing authority and year numerals, with a surface about the same of a color like that of the characters on such a license plate.

1,538,492. SWIMMER'S APPLIANCE. JOSEPH REITER, New York, N. Y. Filed Oct. 9, 1923. Serial No. 667,463. 3 Claims. (Cl. 9—17.)



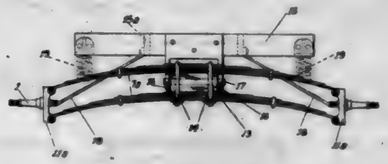
1. In a float of the type described, a hollow wooden block, and a one-piece grille-like skeleton reinforcing element enclosing said block.

1,538,493. GRAIN-HOPPER SCALE. JAMES P. STEEDMAN, Hamilton, Ontario, Canada, assignor to Gurney Scale Company, Limited, Hamilton, Canada. Filed Mar. 10, 1924. Serial No. 700,399. 7 Claims. (Cl 265—71.)



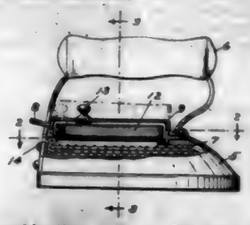
1. In a hopper scale, a hopper frame, a plurality of scale beams arranged in diagonal relation to the frame, bolts suspended to swing freely from rigid supports, pivot block supporting the pivot ends of said beams and mounted on said bolts, said hopper frame being supported from said levers.

1,538,494. SPRING AXLE. JESSE D. TUCKER, Sacramento, Calif. Filed Feb. 6, 1923. Serial No. 617,262. 2 Claims. (Cl. 280—124.)



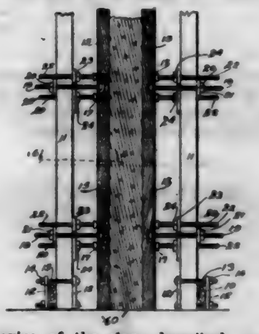
1. A spring axle structure for vehicles comprising spindles, a pair of spring elements spaced apart and connected to opposite ends of the spindles, a block secured between the springs midway of their ends, a depending bracket on the vehicle, ears on the bracket projecting between the springs and adjacent opposite ends of the block, a pivot pin pivotally connecting the ears and block to allow the springs a pivotal movement on a horizontal axis transversely of the vehicle, and means for limiting such pivotal movement.

1,538,495. FLATIRON. FRANK M. VLCEK, Silver Lake, Minn. Filed Nov. 12, 1923. Serial No. 674,364. 4 Claims. (Cl. 219—25.)



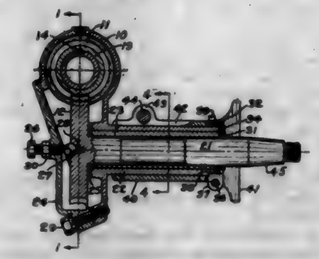
1. The combination with a flat iron, of a heating element within the iron, a rheostat arranged on the iron and in constant circuit with the entire heating element, said rheostat including circuit breaking means.

1,538,496. PLASTIC-MOLD-FORM STRUCTURE. ALBERT C. WELLS, Des Moines, Iowa. Filed Mar. 10, 1922. Serial No. 542,551. 18 Claims. (Cl. 25—131.)



1. In a device of the class described, a plurality of members connected together to form a frame, a form section, means for adjustably connecting a frame member with a form section, comprising bolts, means for connecting said bolts with the form section, a bar extending across the frame member, said bolts being mounted in said bar, a second bar arranged adjacent to the last-mentioned frame member on the opposite side thereof from the first bar, bolts extended through said last bar, the heads of the last bolts being adapted to engage the form section.

1,538,497. STEERING MECHANISM. BENJAMIN H. ANIBAL, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed July 3, 1924. Serial No. 723,891. 5 Claims. (Cl. 308—63.)



1. In combination with a casing, intermeshing gears in said casing, spindles for supporting said gears, a bushing provided with a plurality of notches in one end thereof, in which one of said spindles is eccentrically

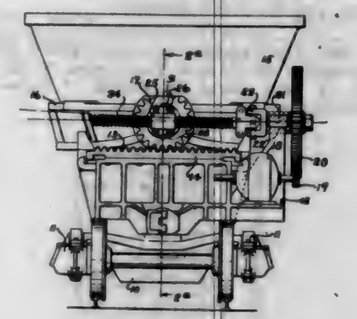
journaled, a rotatable ring member having a slot through one side thereof mounted on said casing, a projection on said ring engageable with one of said notches, a groove in said casing, a locking member positioned within said slot and projecting into said groove, and means for drawing said ring into close relationship with said collar and for holding said locking member in operative position.

1,538,498. CORN RAZOR. EDWARD H. ANSHELM, New York, N. Y. Filed Dec. 13, 1922. Serial No. 606,645. 2 Claims. (Cl. 30—28.)



1. A one-piece corn razor embodying a sheet metal blank, a portion intermediate the ends of which is longitudinally bent to form a guard which is provided with a transverse slot, one end portion of the blank serving as a handle and the other end portion of the blank being looped back over the outside of the curved guard and having a cutting edge juxtaposed with the slot and normally spaced from the edges of said slot by facial engagement of the blade with the guard.

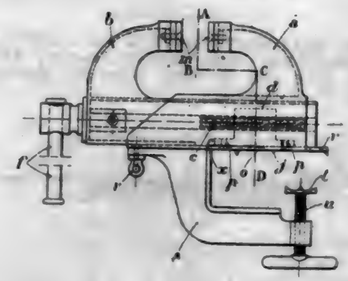
1,538,499. DUMPING CAR. CARL P. ASTROM, East Orange, N. J., assignor to M. H. Treadwell Company, a Corporation of New York. Filed May 29, 1924. Serial No. 716,551. 11 Claims. (Cl. 105—265.)



1. In a tilting and laterally moving dumping car, a car body having tilting and rolling supporting trunnions, a rotary motor and driving mechanism connected to one trunnion, said mechanism including flexible means permitting shifting of the trunnion axis relative to the motor axis without straining the driving mechanism or motor.

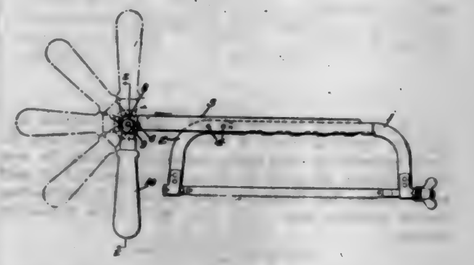
1,538,500. VISE. LOUIS PIERRE AUBARD, Billancourt, France. Filed Apr. 19, 1921. Serial No. 462,643. 2 Claims. (Cl. 81—42.)

1. A vise with parallel jaws comprising a stationary branch and a movable branch formed of steel sheets, strengthening ribs formed of steel sheets on the walls of said branches, prismatic hollow shanks made of steel



sheets, integral with said branches, the one shank being adapted to slide within the other.

1,538,501. ADJUSTABLE-HANDLE HACK-SAW FRAME. ALBERT WASHINGTON AMSDEN, Athol, Mass., assignor to The L. S. Starrett Company, Athol, Mass., a Corporation of Massachusetts. Filed May 12, 1924. Serial No. 712,614. 8 Claims. (Cl. 145—33.)



3. An adjustable handle hack saw frame, comprising a tubular back for the separable sections of the hack saw frame, a corrugated locking disc enclosed in the rear end of said back, a handle stud pivoted to the rear end of said backing and straddling said locking disc, a handle adjustable on said handle stud, and a movable locking roll interposed between said handle and said locking disc and movable into engagement with the teeth of said disc when the handle is adjusted inwardly along said handle stud.

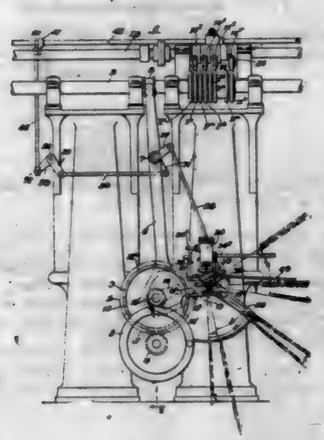
1,538,502. CASE. CLARENCE L. ARMISTEAD and SAMUEL F. BATES, Sullivan, Mo., assignors of one-third to Jesse E. Farrar and Edward E. Mathias, Leslie, Mo. Filed July 26, 1923. Serial No. 653,947. 3 Claims. (Cl. 217—12.)



1. A receptacle of rectangular cross section, divided along a diagonal plane to form separable parts, angular

retainers extended about the angles formed by cooperating walls of said parts, and means on said parts for engaging the retainers.

1,538,503. FUEL-VALVE CONTROL WITH LEVER AND CONNECTIONS. AXEL AUGUST ASPLUND, Auburn, N. Y. Filed Feb. 17, 1920. Serial No. 359,411. 4 Claims. (Cl. 123—41.)



1. In a control mechanism for explosive engines having cam operated valves, a rotor, means for shifting the cams operated by said rotor, means for raising the cam levers during the shifting of the cams operated by said rotor, means for regulating the valves and interlocking means between said rotor and said valve regulating means.

1,538,504. PROCESS OF TANNING HIDES. FREDERICK C. ATKINSON, Indianapolis, Ind. Filed June 26, 1919. Serial No. 306,780. 8 Claims. (Cl. 149—5.)

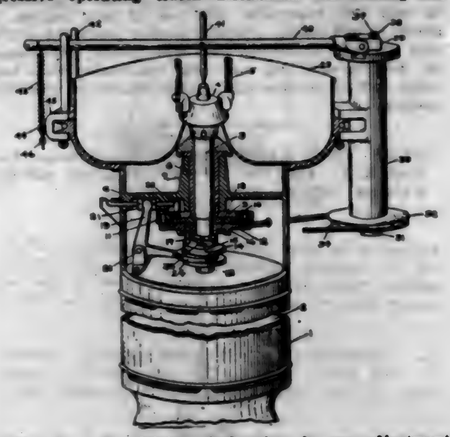
8. The process of tanning animal skins, which comprises saturating with salt the acid liquor obtained from the destructive distillation of cellulose material to prevent softening of the skins, removing the oily and tarry material that separates out of the liquor, and immersing the skins in the liquor, substantially as set forth.

1,538,505. CHARCOAL AND METHOD OF PREPARING THE SAME. FREDERICK C. ATKINSON, Indianapolis, Ind. Filed Aug. 16, 1919. Serial No. 317,904. 11 Claims. (Cl. 252—1.)

1. Charcoal from demineralized corn cobs.

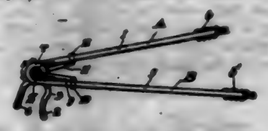
1,538,506. GRINDING MACHINE. ARTHUR A. ARNOLD, Hartford, Conn., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 8, 1919. Serial No. 309,344. 1 Claim. (Cl. 74—84.)

In mechanism of the character described, the combination with a driven shaft and a driving shaft, of clutch members carried by said parts for direct drive engagement, and means for operating the driven shaft at a reduced rate of speed, including a spider member having a pulley portion, pinions rotatably mounted on the spider member, a pair of gears having unequal numbers of teeth, one of said gears being fixed on the driven shaft and the other being loosely mounted, and progressive operating clutch mechanism for driving the



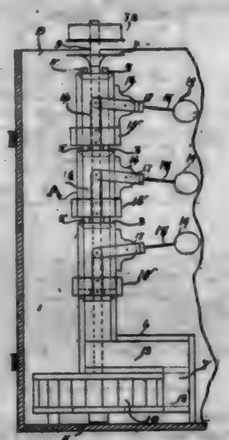
spider from the driving shaft when in one adjustment and for driving both the spider and the driven shaft when in a second adjustment, substantially as illustrated.

1,538,507. LIFTER. JOHN BARUMLE, Milwaukee, Wis. Filed Dec. 18, 1924. Serial No. 756,714. 4 Claims. (Cl. 294—31.)



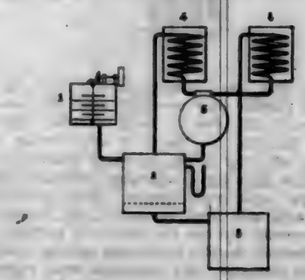
1. A lifter of the kind described having, dual wire members oppositely wound to form registering loops, jaw portions beneath the said loops, handle elements, and tubular pivoting means, joining the handle elements, said means within the loops aforesaid and between the jaw portions and the handle elements.

1,538,508. CIRCULATING AND AGITATING DEVICE. RENSSELAER W. BARTON, Binghamton, N. Y. Filed Feb. 14, 1923. Serial No. 619,039. 7 Claims. (Cl. 259—96.)



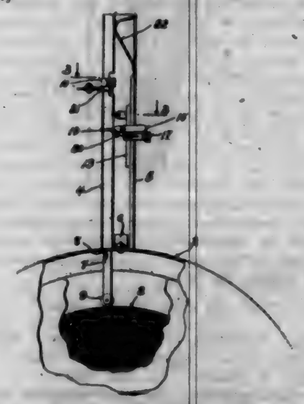
1. In an improvement in circulating and agitating devices, a vat, containing the liquid to be agitated; a vertical sectional tubular housing, mounted in a base chamber support on the floor of the vat; a channel opening therethru to said housing; a pivoted centrifugal pump impeller mounted in said base chamber, adjacent to the channel opening; a shaft mounted in said impeller and extending upward thru the housing; a pulley, mounted thereon and connecting means between said pulley and a source of power, openings thru the housing sections, sliding sleeves, mounted on the housing, adapted to removably close the openings; lugs mounted on the housing, supporting a forked lever having pivotal connection with the sleeves, a float mounted on the outer end of lever, adapted to be raised or lowered with the rise or fall of liquid within the receiving vat.

1,538,509. NEUTRALIZING OILS AND FATS. JEAN BENOIST, Marseille, France, assignor to Société Rocca, Tassy & De Roux, Marseille (Bouche-du-Rhone), France. Filed Nov. 4, 1920. Serial No. 421,703. 2 Claims. (Cl. 87—12.)



1. In the separation of neutral fats from mixtures thereof with fatty acids by means of a solvent and a saponifying agent for the acids; the improvement which comprises dissolving the neutral fat in a solvent and saponifying the fatty acid by means of an anhydrous alkaline carbonate in excess, thereby forming separable granular bi-carbonate and soap.

1,538,510. METER AND SIGNAL FOR MOVING-PICTURE REELS. FRANK BONK, Jr., Ripon, Wis. Filed Jan. 27, 1922. Serial No. 532,341. 3 Claims. (Cl. 33—172.)



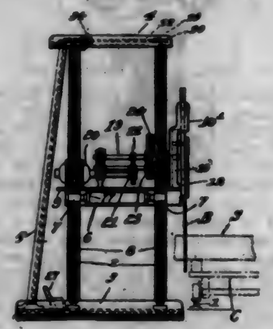
1. An indicating device comprising an elongated casing having a longitudinal guideway therein, means for attaching said casing to the film magazine of a moving picture machine, a bar slidable in said guideway and having a roller on one end and adapted to extend through the wall of the magazine with the roller contacting with the surface of the film roll therein, an indicator attached to the bar and extending outside of the casing and a scale on the casing provided with numbers so graduated that the number opposite the indicator will indicate the amount of film on the roll.

1,538,511. CLOTHES-WRINGER ATTACHMENT. SCOTT M. BURKETT, Tarentum, Pa. Filed Oct. 11, 1923. Serial No. 667,916. 1 Claim. (Cl. 68—32.)



An attachment for clothes wringers comprising a hollow casing consisting of an upper shell and a lower shell fitted snugly in the upper shell, said shells being provided with ledges extening toward each other at their inner sides and the ledge on the lower shell having a recess in its edge, means for securing the shells together, means for securing the ends of the upper shell to the wringer frame, a brush disposed within the casing with its bristles extending through the recess in the ledge on the lower shell and guided by the same and the ledge on the upper shell, and means within the casing for yieldably holding the brush to a wringer roll.

1,538,512. RECIPROCATING SAWING MACHINE. JAMES CANNING, Montpelier, Vt., assignor to Lane Manufacturing Company, Montpelier, Vt., a Corporation of Vermont. Filed July 5, 1919. Serial No. 308,894. 4 Claims. (Cl. 125—16.)



1. In a stone sawing machine, a support, a carriage mounted for both angular and vertical adjustment relative thereto, a saw frame mounted to slide relative to said carriage, independently operable devices for raising and lowering one end of said carriage relative to the opposite end thereof, and swiveled connections between said carriage and support for permitting said adjustment, said connections also permitting relative sliding movement of the carriage and support at one end of the frame.

1,538,513. ANÆSTHETIC. JAMES HENRY COTTON, Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 25, 1916. Serial No. 255,636. 5 Claims. (Cl. 167—7.)

1. A new composition of matter comprising ethyl ether charged with ethylene and being substantially free from substances having a tendency to produce undesirable physiological effects.

4. An anæsthetic comprising one volume of ethyl ether containing from 1 to 3.5 volumes of ethylene and about 0.5 volume of carbon dioxide and being free from aldehydes and other substances capable of producing undesirable physiological effects.

1,538,514. WELT SHOE. HARRY W. CROCKER, Boston, Mass. Filed Feb. 20, 1925. Serial No. 10,470. 3 Claims. (Cl. 36—76.)



1. A welt shoe, of the type having a metatarsal pocket for holding a remedial pad, comprising: an insole having a welt-attaching rib throughout the shank and fore part and split in a plane above the base of said rib, throughout the shank and to a point forward of the ball-line forming upper and under layers separable throughout the shank and heel-seat but integrally connected at the fore end of the fore part, and further connected at the fore end of the split by a line of stitching extending in a curve transversely across the insole, following generally the forward ends of the bones of the metatarsal arch of the foot, thereby forming a pocket adapted to hold said remedial pad, access to the pocket being obtained by lifting the rear portion of the upper layer from the lower layer; upper materials and a welt secured to said rib on the under layer; an outsole secured to said welt and to said under layer only at its heel end; and a heel secured to the outsole and said connected insole layer.

1,538,515. PLAYING CARDS. WILLIAM P. DIETZ, Baltimore, Md. Filed Nov. 24, 1922. Serial No. 603,087. 3 Claims. (Cl. 273—152.)



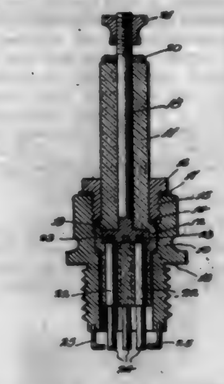
1. A deck of playing cards embodying a plurality of suits each having a distinctive color and embracing a series of cards emblematic of political parties and a series of cards representing voters and carrying numerical designations, and an independent suit embracing only a series of cards emblematic of political parties.

1,538,516. BUTYL ALCOHOL AND ACETONE FERMENTATION PROCESS. FORREST J. FUNK, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Feb. 21, 1921. Serial No. 446,764. 16 Claims. (Cl. 260—135.)

1. The process which comprises adding to a sterilized fermentable carbohydrate mash a culture of microorganisms, mainly in the spore form, which are derivable from ordinary corn meal, are sufficiently heat-resistant to withstand a temperature of 80° C. for about 20 minutes, and are capable of producing butyl alcohol and acetone by fermentation, in the presence of air, of a sterilized corn meal solution, said addition being made while said mash is at a fermentation temperature and with said culture at a pasteurization temperature, and then allowing fermentation to proceed.

10. The process which comprises heating a culture of bacillus aceto-butylicum existing in the spore form to a pasteurization temperature, shortly thereafter, and while said culture is still at a pasteurization temperature, adding said culture to a fermentable carbohydrate mash while the latter is at a fermentation temperature, and then allowing fermentation to proceed to completion.

1,538,517. SPARK PLUG. FRED F. GEBHARDT, Pittsburgh, Pa. Filed Aug. 2, 1922. Serial No. 579,160. 1 Claim. (Cl. 123—169.)



In a spark plug, the combination of a shell, an insulator carried thereby and provided near its lower end with an annular shoulder, a main electrode extending downwardly through the insulator and having a flat annular head embedded in the insulator medially of said shoulder, and a plurality of sparking terminals provided at their upper ends with reduced studs screwed into engagement with said head supporting the terminals to extend downwardly through the lower end portion of the insulator embedded thereby to be held against accidental release by the insulator, said terminals being reduced at the lower end face of the insulator to form sparking points.

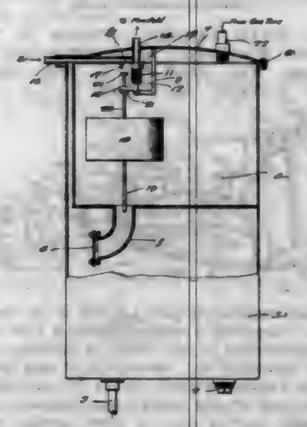
1,538,518. POCKETBOOK OR HAND BAG. MAX J. MARYMONT, Brooklyn, N. Y. Filed Feb. 1, 1924. Serial No. 689,911. 3 Claims. (Cl. 150—36.)



1. In a pocket-book, a secret pocket flexibly attached therein to be extensible outwardly and means foldable around the bottom of said pocket and capable of concealably locking the latter.

1,538,519. VACUUM TANK. HOWELL RINGGENBERG, Sherburn, Minn. Filed Oct. 18, 1924. Serial No. 744,415. 2 Claims. (Cl. 103—236.)

2. A vacuum tank of the class described embodying a substantially L-shaped supporting bracket, a bell crank lever pivoted upon the free end of the short arm of said bracket, a vertically disposed spring containing cup carried by said bell crank, a spring located in said cup, a ball check valve located in said cup and cooperative with said spring, a pipe closed by said ball check valve and adapted to lead to the intake manifold of an engine, an air supply pipe adjacent said first named pipe and provided with a discharge port, a stop on said pipe adjacent said port, the aforesaid ball check valve being adapted to control said port, a float provided at its



bottom with a guide stem and at its top with a stem equipped with spaced stops cooperable with horizontal arms of said bell crank for moving said cup to a diagonal position when said float assumes a dangerously low level.

1,538,520. FLYING MACHINE. FRANZ SCHUH, Vienna, Austria. Filed Nov. 10, 1923. Serial No. 675,662. 4 Claims. (Cl. 244—14.)



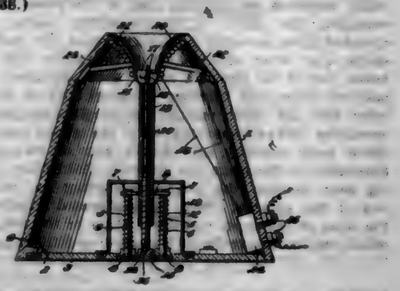
1. A flying machine having a supporting surface symmetrically formed on all sides and mounted to swing on a horizontal axis situated in the plane of the supporting surface at right angles to the longitudinal axis of the machine, a chassis suspended therefrom, the geometrical center of said supporting surface being also the point of suspension of the chassis, and said center lying in the said horizontal axis and in a vertical line passing through the center of gravity of the whole machine when in a condition to descend in a vertical line, horizontal rudder planes on the chassis, and pivotally connected thereto at points outside of the plane of the supporting surface for counteracting the torque at the geometrical center of said supporting surface.

1,538,521. SCRAPER FOR COOKING UTENSILS AND THE LIKE. WILLIAM JAMES SHERIDAN, Hamilton, Ontario, Canada. Filed Nov. 24, 1924. Serial No. 752,062. 2 Claims. (Cl. 15—236.)



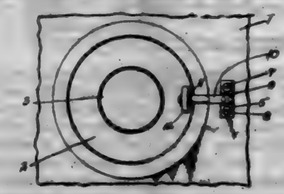
1. A scraper for cooking utensils and the like, comprising, a dished metal plate, the entire periphery of which constitutes a scraping edge, and a reversely dished portion at the center of the plate.

1,538,522. SANITARY CIGAR CUTTER. ABRAHAM SPIEWAK and JOHN S. MERENNA, Brooklyn, N. Y. Filed Aug. 14, 1922. Serial No. 581,868. 6 Claims. (Cl. 131—38.)



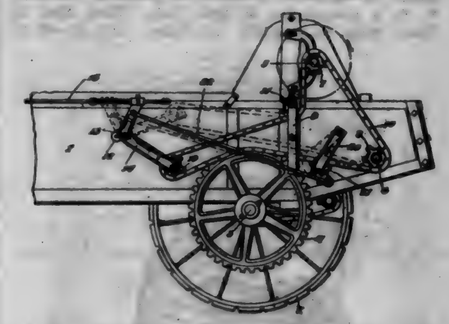
1. A cigar cutter comprising a casing having an opening therein, perforating and cutting means and means to sterilize such means.

1,538,523. GEARING FOR INSTRUMENT DIALS. LE ROY W. STAUNTON, New York, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 718,816. 2 Claims. (Cl. 74—7.)



1. In a dial revolving device the combination of an instrument panel, a rotatable dial mounted adjacent thereto, a resilient member, one end of said member being secured to said panel adjacent said dial and the other end of said member carrying a rotatable friction wheel adapted to engage the surface of said dial whereby said dial may be rotated through small angular distances.

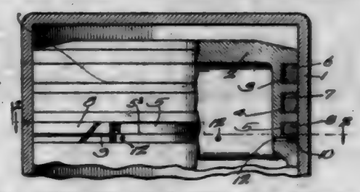
1,538,524. GEARING. HENRY SYNCK, Coldwater, Ohio, assignor to The New Idea Spreader Co., Coldwater, Ohio, a Corporation of Ohio. Filed Aug. 5, 1922. Serial No. 579,888. 2 Claims. (Cl. 74—21.)



1. In a manure spreader, the combination with a wagon body including spaced beater shafts, of a driving gear member, sprocket wheels secured to the beater shafts, a sprocket chain engaging the driving gear member and trained around said sprocket wheels, an elbow lever pivotally mounted on one side of the wagon body forward of the driving gear member and provided with

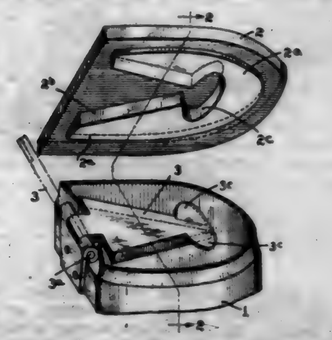
arms of different lengths, a single arm lever pivotally mounted on the same side of the wagon body at the rear of the driving gear member, a sprocket idler pivotally mounted on the long arm of the elbow lever and engaging the bight in the sprocket chain, another sprocket idler pivotally mounted between the ends of the single arm lever and engaging the outer side of the lower run of the sprocket chain, a rod forming a direct positive connection between the short arm of the elbow lever and the lower end of the single arm lever, and operating means connected with the short arm of the elbow lever whereby said levers may be swung simultaneously to disengage the sprocket chain from the driving gear member, the levers, connecting rod and lower run of the sprocket chain being disposed wholly within the lines of the upper and lower edges of the wagon body when the levers are in both normal and tilted positions.

1,538,525. RECIPROCATING MECHANISM. CHARLES N. TRETON, Hagerstown, Ind. Filed Feb. 19, 1923. Serial No. 619,849. 6 Claims. (Cl. 74—109.)



1. In a reciprocating mechanism, the combination with a cylinder; of a hollow piston in the cylinder and formed with a circumscribing piston ring receiving groove having circumscribing portions of different diameters and depths in neighboring zones and having a surface portion angular to the axis of the piston and located between and joining the curved inner sides of said circumscribing groove portions; and a piston ring received in said groove and whose inner side is shaped substantially to conform to the base of the piston groove, the piston having a passage positioned to establish communication between the interior of the piston and the shallower one of said circumscribing groove portions, said ring having a circumscribing groove and passages therethrough establishing communication between this groove and the shallower portion of the piston groove.

1,538,526. MEANS FOR ATTACHING RANDS TO HEELS. RICHARD M. TRUTNAL, Endicott, N. Y., assignor to Endicott Johnson Corporation, Endicott, N. Y., a Corporation of New York. Filed May 14, 1924. Serial No. 713,193. 11 Claims. (Cl. 12—67.1.)



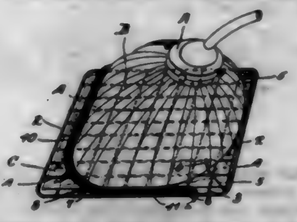
1. In means for attaching rands to heels; a heel mold; a movable spreader adapted to spread and position a rand upon the heel lift; and a presser adapted to press the lift against the heel, said spreader having a depending portion on its under side adapted to enter the mold and engage inner edges of the rand and press the rand against the mold, said presser having a projecting portion recessed to accommodate the spreader.

1,538,527. ROAD TAMPER. WILLIAM R. THOMAS, Watertown, Wis., assignor of one-half to John Murphy, Watertown, Wis. Filed May 8, 1922. Serial No. 559,852. 4 Claims. (Cl. 94—49.)



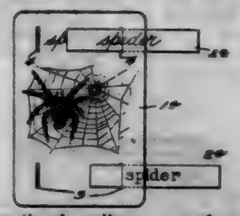
1. A road tamping machine adapted to be drawn over a roadway comprising a wheeled frame, a rock shaft extending transversely of said frame, a plurality of levers projecting forwardly and rearwardly of said rock shaft and rigidly attached thereto, means for oscillating said rock shaft, each of said levers being composite and having an outer portion and an inner portion with the outer portion pivoted intermediate its ends to the inner portion, a spring carried by said inner portion and opposing rocking motion in one direction of said outer portion, and a tamper suspended from said outer portion.

1,538,528. HOLDER FOR COLORED LIGHT SCREENS. PAUL J. TIMMERLAKE, Jackson, Mich. Filed July 26, 1923. Serial No. 653,981. 6 Claims. (Cl. 240—1.)



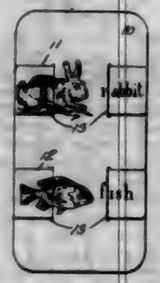
2. A holder for a sheet of material, consisting of a frame, an extensible spring securing means extending across the frame and connected therewith near the opposite edges thereof, and fixed stops, the stops being arranged to engage with the edge of a lamp shade and the said cross securing means being arranged to be sprung over the edge of the shade opposite that portion which engages the said stops.

1,538,529. EDUCATIONAL APPLIANCE. NELLIE YORK TROIDL, Niagara Falls, N. Y. Filed Feb. 28, 1922. Serial No. 538,454. 5 Claims. (Cl. 35—9.)



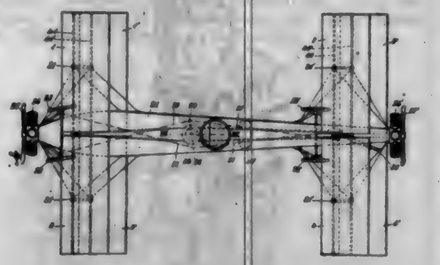
1. In an educational appliance, a card, a slip removably retained on said card with portions of said slip exposed at opposite sides of the card, said card bearing on opposite faces thereof different representations, and said slip bearing on the portion thereof exposed at the front side of the card a designation of the representation on the front face of the card, and bearing on the portion thereof exposed at the reverse side of the card a designation of the different representation on said reverse side of the card.

1,538,530. EDUCATIONAL APPLIANCE. NELLIE YORK TROIDL, Niagara Falls, N. Y. Filed June 18, 1924. Serial No. 720,764. 6 Claims. (Cl. 35—9.)



1. In an educational appliance, a thin card, and a separate slip detachably engaging widely spaced integral parts of the card whereby the slip is removably retained on said card with a portion of said slip exposed at one face of the card, said card having displaced thereon a portion of a word or the like, and said slip bearing on its exposed portion a complementary portion of said word or the like, so that when said slip is in place on the card, said complementary portions will be combined to complete said word or the like, said slip when in place on the card not projecting beyond the edges of the card.

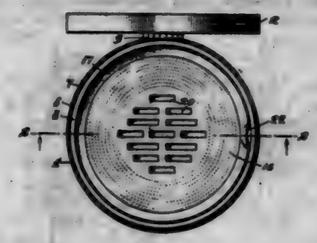
1,538,531. AEROPLANE. FRANCISCO VERDAGUER, Balaguer, Spain. Filed Dec. 5, 1922. Serial No. 605,108. 11 Claims. (Cl. 244—29.)



1. In an aeroplane, a frame, front and rear transverse axles arranged on each side of said frame, forward and rear wings mounted for independent oscillation on said axles, an axially movable tube supported by the frame, means associated with said tube to permit the operator to axially move the tube, a steering wheel mounted on said tube for universal movement, and means connecting said steering wheel with the wings for changing the inclination of said wings according to the movements of the steering wheel.

1,538,532. VANITY BOX. JOHN J. VOGLER, Douglaston, N. Y., assignor to Alfred H. Smith Co., New York, N. Y., a Corporation of New York. Filed Dec. 27, 1923. Serial No. 682,883. 10 Claims. (Cl. 132—82.)

1. In a powder box, a powder holding compartment, a cover therefor, a powder distributing member having a plurality of cup shaped depressions arranged in lines, those in certain of the lines being divided from each other longitudinally, and side openings in certain of the cups through which powder may pass into the cups and be retained therein.

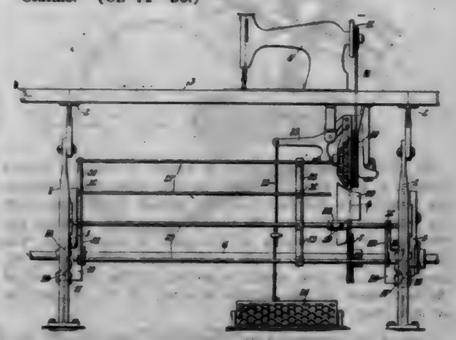


1,538,533. ASH REMOVER FOR VEHICLES. RUDOLPH J. VOTT, Cicero, and CHARLES VAIC, Chicago, Ill. Filed Mar. 16, 1923. Serial No. 625,490. 1 Claim. (Cl. 4—275.)



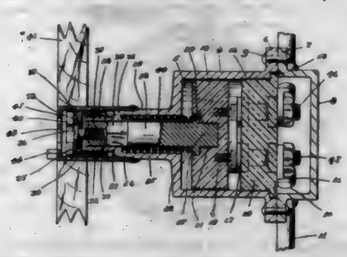
The combination with a vehicle, of an ash removing tube, extending through an aperture in the floor thereof, said tube having its lower end split at its rear side, said split portion being bent outwardly to form a wind guard.

1,538,534. POWER-TABLE GUARD. IRVING F. WEBB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 25, 1925. Serial No. 18,200. 4 Claims. (Cl. 74—56.)



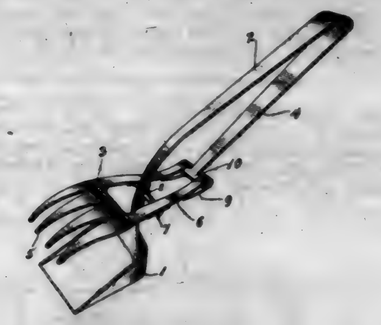
1. A guard for a power-table section comprising, a plurality of up-and-down supports and a plurality of horizontal rods carried by said supports, certain of said rods being of reduced length, and a transmitter-guard mounted on one of the full-length rods adjacent the end of a reduced length rod.

1,538,535. CIRCUIT-BREAKER LOCK. JOHN G. WELLING, Cincinnati, Ohio. Filed Feb. 21, 1922. Serial No. 538,899. 3 Claims. (Cl. 200—44.)



1. In a device of the class described the combination of a casing having a bore therein, one end of the bore being angular, a fixed insulating block in the bore, contact posts on the block having electrical connectors extending from the casing, a reciprocating insulating block in the bore, conductor bars on the reciprocating block adapted to electrically connect the contact posts, a rod mounted at one of its ends on the reciprocating block slidable longitudinally of itself in the bore, a shoulder on the casing extending into the bore, a spring the ends of which abut the shoulder and the reciprocating block, an angular head on the other end of the rod engaging reciprocally in the angular bore in the casing, screw threads formed on the casing at the end having the angular bore, a threaded nut adapted to engage the threads on the casing, and a connection between the nut and the rod adapted to permit relative rotary motion of the nut and the rod and to transmit longitudinal movement of the nut to the rod.

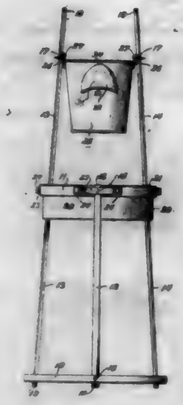
1,538,536. GRIPPING IMPLEMENT. ISAAC J. WISOFF, Brooklyn, N. Y. Filed May 17, 1924. Serial No. 714,042. 1 Claim. (Cl. 294—33.)



An implement comprising a scoop, a handle joined thereto, a jaw with tines and having extensions flanking the handle, an extension on the handle projecting from the rear end of the handle toward the scoop, a pivot pin bridging the extensions of the jaw, a bearing on the handle for said pin, loops on the rear ends of the extensions of the jaw, and a cross bar on the front end of the extension of the handle engaged at its extremities by said loop.

1,538,537. TEEING STAND FOR GOLF COURSES. CLARENCE M. WOOD, Langhorne, Pa. Filed May 9, 1922. Serial No. 559,645. 12 Claims. (Cl. 273—32.)

1. A teeing stand comprising a stand proper having uprights forming handles; means for suporting a sand receptacle and a water bucket in the stand, said stand having a base member provided at one side with opposed bottom notches; a wheeled axle detachably engaged in said notches; and retaining members on the



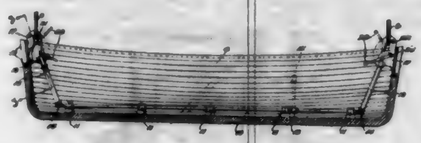
axle to engage the base member to prevent displacement of the stand and axle one with respect to the other; substantially as described.

1,538,538. PAD FOR CHILDREN'S CHAIRS. MARIE ELIZABETH WOOD, Ogden, Utah. Filed Apr. 28, 1924. Serial No. 709,580. 1 Claim. (Cl. 155—189.)



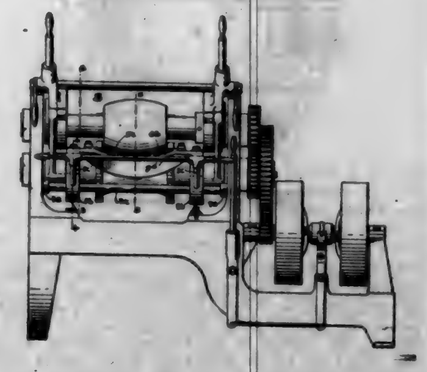
A pad for a child's chair comprising a cushioning section adapted to overlie the seat of a chair and to extend upwardly in covering relation to the front face of the back of the chair, means at the upper end of said cushioning section for attaching the latter to the back of a chair, a section extending from the forward end of the cushioning section for engaging the body of a child seated upon said cushioning section, said body-engaging sections terminating at its free end in an arcuately curved edge adapted to partly encircle the body of the child and having at its free end a pair of elongated attaching members adapted to extend rearwardly at opposite sides of the body of the child for attachment to the chair.

1,538,539. BOAT-LAUNCHING APPARATUS. GEORGE WRIGHT, Oakland, Calif. Filed Oct. 20, 1922. Serial No. 595,706. 1 Claim. (Cl. 9—28.)



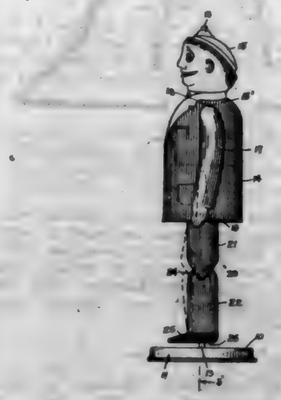
In a launching gear for life boats and the like, forked brackets adapted to be mounted at the inner sides of the opposite ends of a boat, hook members pivotally mounted in said brackets and capable of opening and closing movements for the attaching thereto and the disengagement therefrom of the looped ends of the usual hoisting and lowering falls of a vessel, an operating shaft journalled longitudinally of the boat, tubular shaft sections coupled to the opposite ends of said operating shaft and having their upper end portions journalled in the lower ends of said brackets, the upper ends of said tubular shaft sections having slots opening into the bores thereof for the passage therethrough and engagement in the latter of the free ends of the said hook members after the looped ends of the said falls have been engaged therewith, means for actuating said operating shaft for imparting turning movements to said tubular shaft sections whereby to effect the locking of the free ends of said hook members in position by the displacing of the said slots to one side of the path of swinging movement of the latter and the release of the free ends of the same for swinging movement to open position for the disengagement therefrom of the attached ends of the said falls by returning the said slots to proper position for the purpose, and forked hand levers pivotally straddling the forked arms of the brackets for temporary engagement over said hook members to retain same in closed position during the movement of said tubular shaft sections to locking position.

1,538,540. METAL-BENDING MACHINE. CARL M. YODER, Cleveland, Ohio. Filed Sept. 18, 1922. Serial No. 588,830. 6 Claims. (Cl. 153—58.)



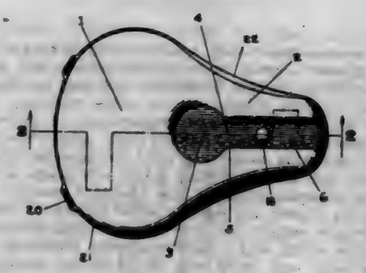
1. In apparatus of the class described, the combination of a pair of rollers, a guide arranged to support a section of metal to feed it between said rollers, and a supporting means on the opposite side of said rollers from said guide and adapted to removably support either a shoe to co-operate with said guide, whereby the section of metal may be curved on transverse lines in one direction, or a shoe for curving a curved section of metal on transverse lines in the reverse direction, said supporting means being movable in either direction about the axis of one of said rollers according to the shoe supported thereon.

1,538,541. MECHANICALLY-OPERATED DANCING TOY. T RAYMOND ARDEN, New York, N. Y., assignor, by mesne assignments, to Louis Marx, New York, N. Y. Filed Jan. 19, 1924. Serial No. 687,172. 26 Claims. (Cl. 46—40.)



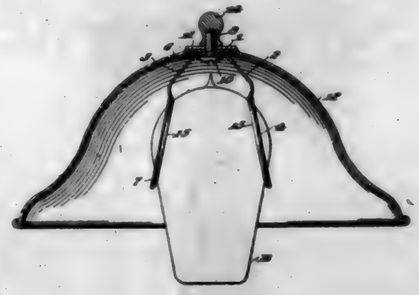
1. A dancing toy comprising a toy figure adapted to be actuated, motor means within the toy figure associated therewith for actuating the same, and means supporting the toy figure operatively connected to said motor means for winding the same.

1,538,542. BICYCLE AND MOTOR-CYCLE SEAT. FRED BLAKE, Indianapolis, Ind. Filed Feb. 16, 1924. Serial No. 693,327. 5 Claims. (Cl. 208—15.)



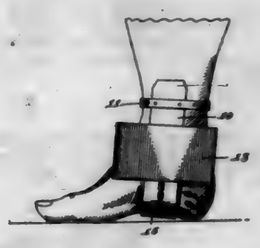
1. A bicycle and motorcycle seat comprising a conveniently shaped outer plan formation; a bell-mouthed depression contained in said seat adapted to partly contain the private organs of male riders, and a channel having parallel bell-mouthed sides adapted to partly contain the private organs of female riders, for supporting said organs.

1,538,543. LAMP-SHADE SUPPORT. ANDREW J. CARMICHAEL and JOHN R. PETERSON, New Haven, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 13, 1923. Serial No. 624,772. 3 Claims. (Cl. 240—138.)



1. A shade support comprising, in combination, a plurality of flat sheet metal arms arranged to extend divergently from a central point of connection with a lamp shade, said arms terminating in circular lamp-engaging portions, said circular portions being bent transversely of their planes to form convexly curved lamp-engaging surfaces.

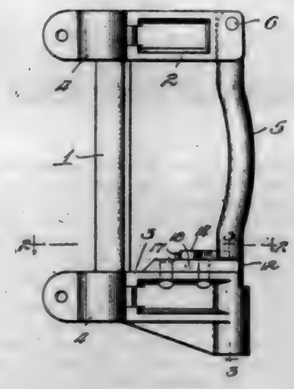
1,538,544. SWIMMING DEVICE. ROSARIO DI RENZO, Portland, Me. Filed Sept. 12, 1924. Serial No. 737,409. 1 Claim. (Cl. 9—21.)



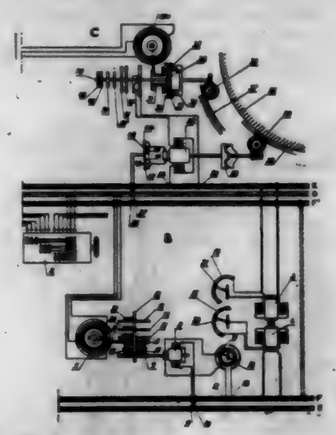
In a swimming device, a substantially U-shaped narrow member adapted to be passed beneath the instep of the foot of the user, means for attaching the parallel portions of said member to the ankle, relatively wide wings mounted on the parallel portions and projecting an appreciable distance beyond both sides thereof, a hinge connecting each wing with the adjacent parallel portion, each hinge including spaced side plates secured to the adjacent edges of the U-shaped member and projecting beyond the opposed sides thereof to provide an effective support for the adjacent wing throughout its entire width, and a flexible element terminally connected with each wing and the U-shaped member to limit the outward movement of the wing.

1,538,545. RELEASING HANDLE FOR VESTIBULE CURTAINS. PLATO G. EMERY, Chicago, Ill. Filed Jan. 25, 1924. Serial No. 688,416. 8 Claims. (Cl. 105—24.)

1. A device of the character described, comprising a U-shaped body member, a bar hinged to the free end of one of the arms of said member and having in its free end a seat, the other arm of said member having a socket opening out of the top thereof, a spring in said socket, a catch element resting on said spring and projecting out of the socket to engage in said seat in said bar, and means for adjusting said spring to vary the pressure on said element.

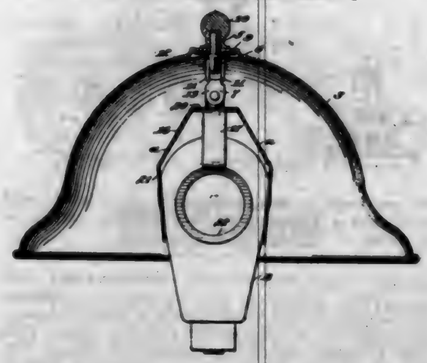


1,538,546. ELECTRIC DISTANT-CONTROL SYSTEM, ELIE GRANAT, Paris, France. Filed Jan. 29, 1923. Serial No. 615,777. 9 Claims. (Cl. 172—239.)



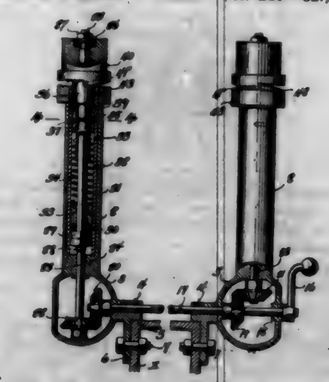
1. An electric distant control system comprising in combination, a transmitting station and at the transmitting station, an electric distant control transmitter; a generating station, at the generating station means for varying the voltage of the generating station an electric motor fed by the generating station and a distant receiver controlled by the said transmitter and operating the said means for varying the voltage of the generating station; a receiving station, at the receiving station, a motor fed by the generating station; means for starting in either direction, stopping and regulating the speed of the said second motor; a distant receiver controlled by the transmitter and operating the said means.

1,538,547. LAMP-SHADE SUPPORT. WALTER C. GEBIST, ANDREW J. CARMICHAEL, and JOHN R. PETERSON, New Haven, Conn., assignors to The Greist Manufacturing Company, New Haven, Conn., a Corporation of Connecticut. Filed Mar. 13, 1923. Serial No. 624,851. 4 Claims. (Cl. 240—138.)



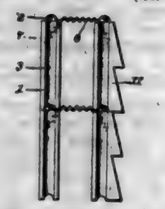
1. A lamp shade support made of flat sheet material, and comprising a plurality of clamping arms arranged angularly to each other, said arms terminating in circular clamping members to engage a lamp, with means for securing said support to a shade.

1,538,548. DIRIGIBLE HEADLIGHT. ALFRED M. HAANSTAD, Eau Claire, Wis. Filed Sept. 21, 1923. Serial No. 663,995. 1 Claim. (Cl. 240—62.)



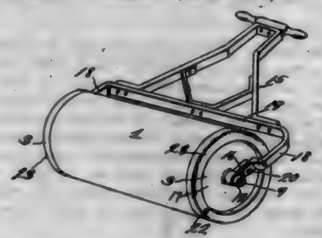
The combination of an automobile having a steering post, a pair of sleeves rigidly carried adjacent the front of said automobile, a vertical shaft located within each sleeve and extending beyond the ends of such sleeves, a transverse shaft located below said first mentioned shafts, bevel gears positively connecting said first mentioned shafts and said horizontal shafts, mechanism positively connecting said horizontal shaft and said steering post to transmit rotary motion from said steering post to said horizontal shaft, headlights having hub portions through which said shafts loosely extend, said sleeves and hubs having interengaging lugs adapted to prevent rotation of said hubs except in predetermined directions, said shafts having pins projecting radially therefrom, said hubs having slots within which said pins are received, and helical springs carried within said sleeves and rigidly attached at one end to such sleeves and at the other end to said hubs to yieldingly hold said hubs with the interengaging lugs of the respective sleeves and hubs in contact under normal conditions.

1,538,549. BUILDING UNIT AND TIE FOR SAME. FRANK R. HAHN, Decatur, Ill. Filed Feb. 25, 1922. Serial No. 539,274. 5 Claims. (Cl. 72—43.)



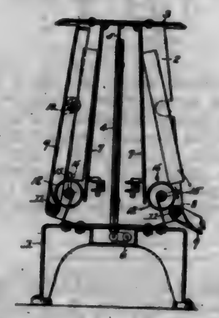
1. A building unit of plastic material having a tying element embedded therein and extending upwardly from the rear edge thereof, said tying element being formed of a strip of corrugated metal.

1,538,550. LAWN ROLLER. HARRY B. HAMILTON, Elizabethtown, Pa., assignor to Buch Manufacturing Co., Elizabethtown, Pa. Filed Dec. 17, 1924. Serial No. 756,538. 2 Claims. (Cl. 55—48.)



1. A lawn roller comprising a cylindrical chambered body member, end plates for said body member, sealing means interposed between the body member and the plates, a shaft extending axially through said body member and plates, said shaft having its ends reduced and threaded thereby forming shoulders, outwardly extending bosses carried by the plates and with the outer ends of which the shoulders of the shaft register, a nut threaded on each of the reduced threaded portions of the shaft and engaging the outer ends of the bosses and forming sealing means, a handle member, arms carried by said handle member and overlying the ends of the roller, said bosses being rotatably mounted in bearings of the arms of the handle member.

1,538,551. TOASTER. JACOB M. HARRIS, New York, N. Y., assignor to Fulton Bell Company, New York, N. Y., a Corporation of New York. Filed Jan. 30, 1923. Serial No. 615,872. 5 Claims. (Cl. 53—5.)



5. A vertical toaster comprising a grid approximately vertical, a door hinged at its lower edge for holding the toast against the grid when in its closed position and for

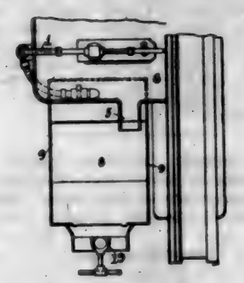
catching the toast when in its open position, a toast-support independent of the door and located between the grid and the door, and means operable independently of the door for moving the lower edge of the toast outwardly from the toast-support to permit it to slide upon the open door for the purpose of reversing the same.

1,538,552. MANURE LOADER. JOHN WILLIAM HARRIS, Wesley, Iowa. Filed Nov. 13, 1924. Serial No. 749,687. 3 Claims. (Cl. 198—113.)



1. In a mechanism of the class described, the combination with a frame, of a conveying mechanism on said frame, said conveying mechanism including a shaft, an idle sprocket wheel on said shaft, said sprocket wheel provided with a plurality of sockets, a disc keyed to said shaft, a trigger finger carried by said disc and provided with a roller adapted to engage said sockets of the sprocket wheel for locking the disc and sprocket wheel together, and manually controlled means for engaging the trigger finger for disengaging the roller from said sprocket wheel.

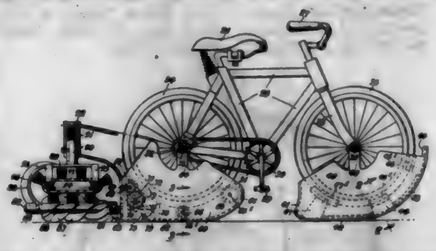
1,538,553. WATER TANK FOR GRINDING MACHINES. JAMES N. HEALD, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Sept. 15, 1922. Serial No. 588,514. 2 Claims. (Cl. 51—267.)



1. A portable water supply tank for a grinding machine, said tank having three vertical walls and one sloping wall, all of them rectangular, a pivotally mounted baffle plate, dividing the tank, being adapted to swing towards the sloping wall and with it forming a settling compartment, a pump in the other compartment, and legs under the tank spaced and of such a height as to receive and permit the tank to be lifted by a wheeled conveyor of the lifting type.

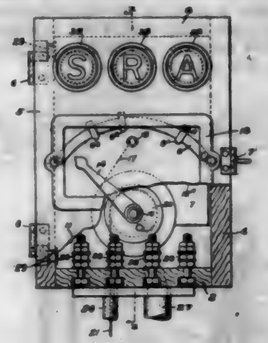
1,538,554. VEHICLE PROPELLING MECHANISM. JOHN HOLTZMAN, New York, N. Y. Filed Nov. 10, 1921. Serial No. 514,213. 18 Claims. (Cl. 208—162.)

1. Propelling means for wheeled vehicles comprising a casing for the driving wheel, rollers in said casing frictionally engaging the periphery of the wheel and rotated thereby, a gear train driven by one of said rollers, a spindle extending rearwardly of said casing driven by



said gear train, a helical propeller connected to said spindle, and a housing over said propeller carried by said casing.

1,538,555. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LEMUEL F. HOWARD, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Nov. 27, 1922. Serial No. 603,461. 3 Claims. (Cl. 246—182.)



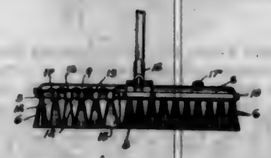
1. In combination, a vehicle, a speed-responsive device on said vehicle, a pointer operated by said device, a plurality of adjustable members adjacent to the path of the said pointer, and a plurality of lamps associated with said members and illuminating them and controlled by traffic conditions ahead of the said vehicle.

1,538,556. LOCK STRUCTURE. WILLIAM R. HOYT, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed Apr. 25, 1924. Serial No. 708,988. 4 Claims. (Cl. 70—16.)



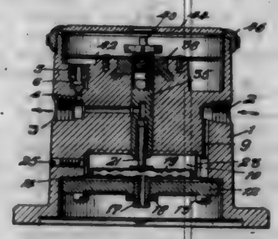
3. The combination with a door or support having a rabbeted edge and a lock provided with a front plate, said lock mounted in the door or support and having a portion entering the rabbet in the same, of an auxiliary facing plate to lie against the exposed side face of the lock and provided with ears lying parallel with the top and bottom edge portions of the lock and covering the exposed parts of the same, said auxiliary facing plate also provided with ears secured to the front plate of the lock.

1,538,557. DUSTLESS BRUSH. FREDERICK S. HUNT, Milwaukee, Wis., assignor to Milwaukee Dustless Brush Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Sept. 10, 1923. Serial No. 661,948. 5 Claims. (Cl. 15—182.)



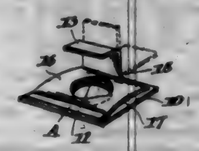
1. A dustless brush, comprising a brush back having an oil reservoir provided with a plurality of tuft openings, and a tuft composed of absorbent and non-absorbent strands extending into each of said openings to control the flow of oil therethrough.

1,538,558. REGULATING VALVE. EMIL AUGUST ILLMAN, Queens, N. Y., assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Dec. 7, 1922. Serial No. 605,544. 9 Claims. (Cl. 50—10.)



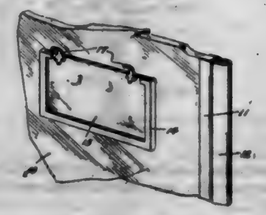
1. In a pressure actuated valve mechanism, a valve member, a valve seat therefor, actuating means connected to said valve member and responsive to pressure applied to it from an outside source, and a casing forming both a chamber for said pressure responsive actuating means and a passage to the valve seat for the medium which said valve is intended to control.

1,538,559. LOCK WASHER. EDWARD ANGUS JOHNSON, New Glasgow, Nova Scotia, Canada. Filed Aug. 18, 1924. Serial No. 732,727. 5 Claims. (Cl. 151—38.)



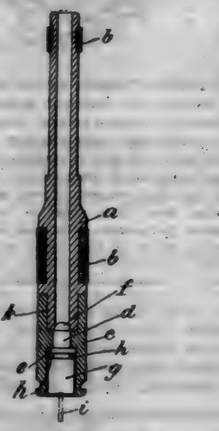
1. A rectangular plate having a central perforation, a rectangular projection of less width than the plate extending from one side thereof and designed to be bent against the side and over the top of a nut, a spring plate of spring steel on the rectangular plate having a central perforation registering with the said plate perforation.

1,538,560. WINDOW-GLASS ATTACHMENT. HERMAN H. D. KLINKER, New York, N. Y. Filed Aug. 15, 1923. Serial No. 657,498. 2 Claims. (Cl. 296—95.)



1. In a device as set forth, the combination with a window plate having an opening therethrough, of a seat formation adjacent to the opening, and a section fitted in said seat and across said opening, said seat being composed of an integral extension of the plate along certain edges of the opening.

1,538,561. PRACTICE CARTRIDGE. JOSEF KOLLER, Lucerne, Switzerland. Filed Oct. 31, 1923. Serial No. 672,016. 1 Claim. (Cl. 102—14.)

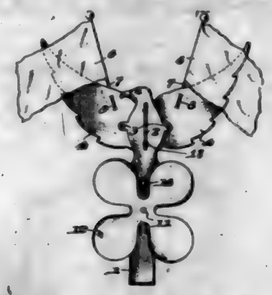


Means for enabling miniature cartridges to be used in rifles and other small-arms, comprising a bi-parted tubular bushing designed to fit the chamber of a small arm including a front portion having a reduced cylindrical projection and a rear portion slidable on the projection and removable therefrom, the rear portion also having a bore to receive a cartridge and an annular groove adapted to be engaged by the extractor of the rifle so that the back portion may be withdrawn from the front portion when the breech bolt of the rifle is retracted.

1,538,562. AIR-OPERATED TOY. CHARLES KOSHALKO, Cleveland, Ohio. Filed Aug. 18, 1922. Serial No. 582,698. 3 Claims. (Cl. 46—40.)

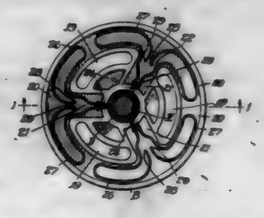
1. In an air-operated toy, the combination with an upright having a slot, of a pair of rockable members

pivoted to the upright and having slots, a wheel, a link pivoted to, and driven by the wheel having a pin, said



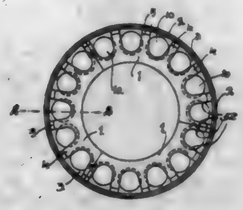
pin operating in the slots of the rockable members and slot of the upright, and air-operated means for driving said wheel.

1,538,563. VALVE. CHARLES H. LEINERT, Chicago, Ill., assignor to Leinert Valve Company, Chicago, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,461. 10 Claims. (Cl. 251—119.)



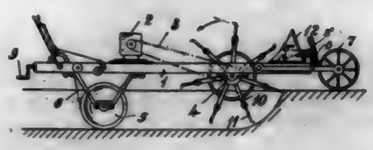
2. In a valve for blowers or the like, the combination of a seat member, an abutment member located adjacent the seat member, a valve member interposed between the abutment member and seat member, and a plurality of circumferentially extending springs engaging the valve member and adapted to maintain it normally in engagement with the seat, certain of said springs extending in one direction from their point of engagement with the valve member and others extending in an opposite direction whereby twist of the valve member is prevented.

1,538,564. BALL CAGE FOR ANTIFRICTION THRUST BEARINGS. KARL OSKAR LEON, Stockholm, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Filed Mar. 2, 1920. Serial No. 362,860. 3 Claims. (Cl. 308—230.)



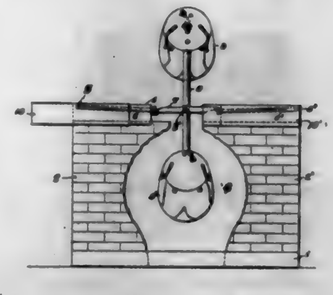
1. In a bearing, an inner ring divided radially into a plurality of segments, each segment being provided with radial recesses, balls arranged in said recesses, and a one-piece ring surrounding the segmental ring and adapted to normally retain said segments in position, each segment being removable from the surrounding ring by first moving the segment axially clear of the surrounding ring and then radial.

1,538,565. POWER-DRIVEN DITCH-DIGGING MACHINE. ANDERS LOKEN, Boltorp, Myssn, Norway. Filed Nov. 26, 1920. Serial No. 426,458. 2 Claims. (Cl. 37—94.)



1. In a motor driven and motor carrying ditch digging machine, a narrow rectangular frame, a rotary cutter, comprising a rotary shaft journaled in the longitudinal sides of the frame, a plurality of rigid radial arms mounted in the shaft, flexible cutting blades mounted on the free ends of the arms, a wheel for driving the frame mounted behind and in alinement with the cutter, supporting arms adjustably connected to the longitudinal sides of the frame and extending beyond the front end of the latter, a supporting wheel journaled in the supporting arms, a motor mounted on the frame behind the cutter, driving means connecting the motor and cutter adapted to rotate the latter at righ speed to create a suction, and means for deflecting the spray of earth flung up by the cutter.

1,538,566. TOY. JOSEPH LUSTIG, Jr., Janesville, Wis. Filed Sept. 18, 1922. Serial No. 588,947. 2 Claims. (Cl. 46—40.)

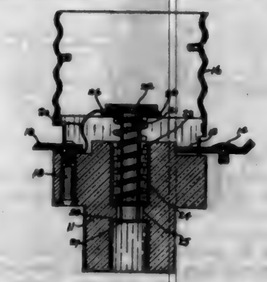


1. The combination of a pair of toy-like objects, a rigid member extending between and secured to said objects, a clip on said rigid member, a flange on one end of said clip, a second flange on the other end of said clip, a support, a second support, a rubber band secured to said first mentioned support at one end and at the other end to said flange, and a second rubber band secured at one end to said second support and at the other end to said second flange, said rubber bands extending in a substantially horizontal line, said flanges having a relatively large normal vertical dimension, whereby said objects, when in rest, are supported horizontally.

1,538,567. LAMP SOCKET. EDWARD W. MCINTYRE, Cleveland, Ohio, assignor to Hadley P. Freeman, Lakewood, Ohio. Filed July 14, 1923. Serial No. 651,556. 3 Claims. (Cl. 173—358.)

1. An electric lamp socket comprising a base having circuit terminals thereon, carrying a screw threaded socket adapted to receive the base of a lamp, provided with a longitudinal aperture therein, and having a center contact structure comprising a stem slidable in

said aperture, a head on said stem arranged to engage the center contact of the lamp, spring means acting to force said head against said center contact of the lamp,



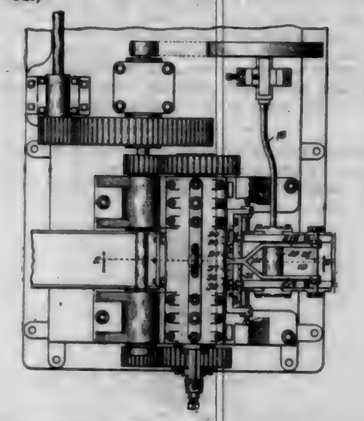
and a conductor connected to one of said terminals and interposed between said spring means and said head and held by said spring means in electrical communication with said head.

1,538,568. COMBINED CLASP AND PIN. ELLEN MCMAHON, New York, N. Y. Filed Feb. 10, 1925. Serial No. 8,200. 9 Claims. (Cl. 24—85.)



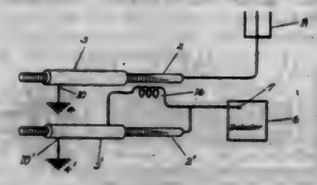
3. A lingerie clasp and pin comprising a member bent upon itself and having spaced upraised portions upon its relatively lower part and extending beyond one of said upraised portions, thence being bent back upon itself to form a pin portion, said pin portion adapted to be maintained between said upraised portions when in clasped position.

1,538,569. FEEDING DEVICE. JOHN MAKOFSKY, Warren, Ohio, assignor to Youngstown Pressed Steel Company, Warren, Ohio, a Corporation of Ohio. Filed No. 26, 1923. Serial No. 677,021. 12 Claims. (Cl. 271—51.)



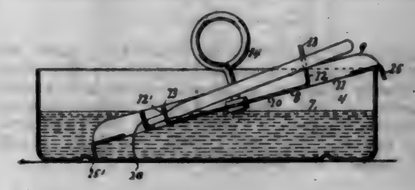
1. In combination with means for operating on a sheet metal blank, feeding means for feeding a blank to the operating means, and a pair of cooperating cam rollers operable on entrance of a blank into the operating means for rendering the feeding means inoperative during passage of the blanks therethrough.

1,538,570. ELECTRICAL SIGNALING. LOUIS COHEN and JOSEPH O. MAUBORGNE, Washington, D. C. Filed June 16, 1920. Serial No. 389,451. 2 Claims. (Cl. 250—20.)



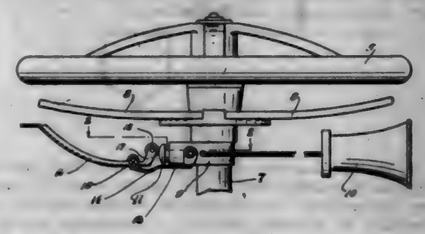
2. A system of receiving radio signals comprising an antenna, a resonance wave coil and an adjustable grounded metal tube sliding over said resonance wave coil, a secondary circuit, and a resonance wave coil of variable wave length in said secondary circuit, said secondary circuit being coupled to the resonance wave coil of the antenna circuit.

1,538,571. THERMOMETER HOLDER. CHRISTIAN W. MEINECKE and EDWARD JOHNSON, East Orange, N. J., assignors to Meinecke & Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 27, 1923. Serial No. 628,023. 2 Claims. (Cl. 167—8.)



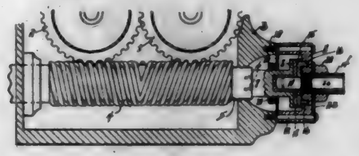
2. A thermometer holder having upright members to hold a series of thermometers, a stop coacting with the lower end of the thermometers and apertures in the floor of the holder for allowing the passage of a solution.

1,538,572. SIGNAL-OPERATING ATTACHMENT FOR AUTOMOBILES. RICHARD R. MILLER, Chicago, Ill. Filed Dec. 7, 1922. Serial No. 605,491. 3 Claims. (Cl. 200—59.)



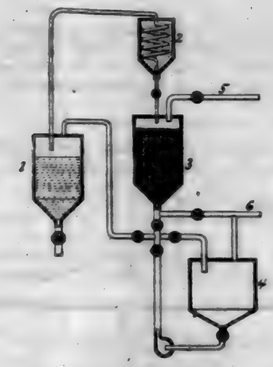
1. The combination with a signal operating switch including a casing and a push button thereon; an attachment comprising a bracket having means embracing and firmly secured to the sides of said casing and having ears in line with said push button; and a lever pivotally mounted in said ears beneath the steering wheel and having a turned end with means arranged to operate said push button, said lever being held inoperative by gravity and the outer end of said lever extending to a point adjacent the rim of said steering wheel.

1,538,573. ADJUSTABLE END THRUST FOR ELEVATOR SHAFTS. DAVID F. MINNEY, Fort Worth, Tex., assignor to Globe Elevator Appliance Company, Fort Worth, Tex., a Corporation of Delaware. Filed Dec. 1, 1924. Serial No. 753,406. 3 Claims. (Cl. 308—166.)



1. The combination with an elevator shaft and bearings therefor, of an end thrust for adjusting said shaft consisting of a thrust drive member having a head and operatively connected with said shaft and provided with a socket therein, a bearing housing operatively connected to the bearing of said shaft, a non-revoluble steel driving disk operatively connected to said housing and an anti-friction bearing disk interposed between said steel disk and said head, a screw driving member operating through said housing for adjusting said thrust member and provided with a reduced end portion projected into said thrust member and constituting a bearing therefor and having a shoulder bearing against said steel disk, and means for preventing the turning of said screw driving member after it has been positioned.

1,538,574. EXTRACTION OF SULPHUR. ALWIN MITTASCH and FRITS WINKLER, Ludwigshafen-on-the-Rhine, Germany, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of the Grand Duchy of Baden. Filed Nov. 3, 1920. Serial No. 421,594. 5 Claims. (Cl. 23—228.)



1. The process of extracting sulphur from active charcoal containing free sulphur which consists in passing through the mass ammonium sulphide solution by distilling an aqueous solution of ammonium sulphide, condensing its vapors immersing the charcoal in the condensate and causing the distillate to run non-intermittently through the sulphur-containing mass.

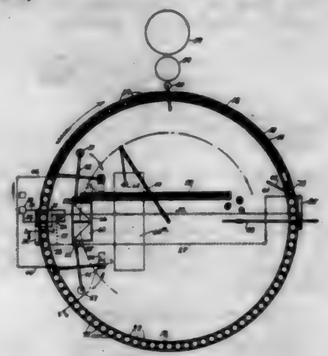
1,538,575. GRIDDLE GREASER. EULA A. MOSMAN, Allegany, N. Y. Filed May 28, 1923. Serial No. 640,936. 1 Claim. (Cl. 65—12.)

A griddle greasing device comprising a circular solid body having a peripheral securing face and merging into a central vertically disposed tubular handle provided with a closure plug at its upper end and forming a reservoir surrounded by the extended concentric base



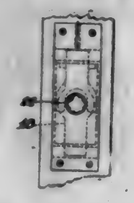
of the body to provide a pressure face, an absorbent covering for said base, and securing means for retaining said covering in contact with the securing face.

1,538,576. FOUNDRY APPARATUS. DANIEL C. MULVIHILL, Hannibal, Mo., assignor to Hannibal Car Wheel & Foundry Company, a Corporation of Missouri. Filed June 1, 1920. Serial No. 385,631. 17 Claims. (Cl. 22—20.)



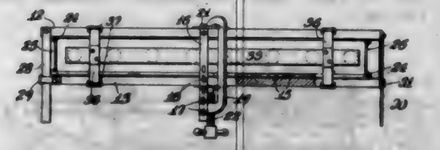
1. In foundry apparatus, in combination, a turntable, adapted to convey flasks to various stations arranged about its periphery, a revolving crane having a plurality of arms adapted to deliver flask parts containing completed impressions to the turntable and a plurality of positions each having apparatus adapted to perform part of the operation of making a completed impression in a flask part, said positions each being within the reach of the arms of the revolving crane.

1,538,577. CATCH HINGE FOR WINDOWS AND THE LIKE. RICHARD MURRAY, New York, N. Y. Filed Oct. 22, 1923. Serial No. 669,925. 6 Claims. (Cl. 16—144.)



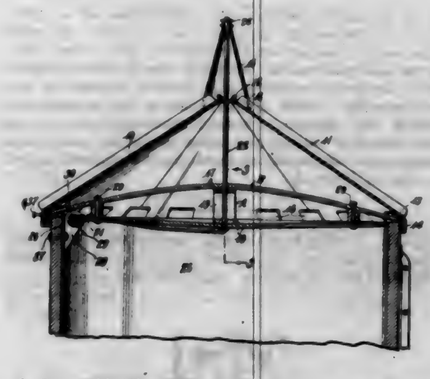
1. A catch hinge of the class described comprising a casing; a suitably supported lock element movably mounted therein, said element being provided with an aperture, a tapered pin adapted to be passed through said aperture and to be locked in engagement with the casing, through said lock element.

1,538,578. CONCRETE MOLD. RICHARD MURRAY, New York, N. Y. Filed May 24, 1924. Serial No. 715,522. 11 Claims. (Cl. 25—121.)



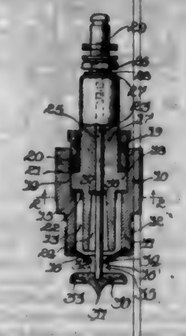
1. A mold of the class described comprising two substantially parallel mold members, means whereby said members may be retained in spaced relation, means for moving said members toward and from each other, and means for supporting the end portions of said members in connection with supports arranged at different levels.

1,538,579. SILO COVER. JOHN S. NEHER, North Manchester, Ind. Filed Oct. 30, 1923. Serial No. 671,792. 5 Claims. (Cl. 20—1.4.)



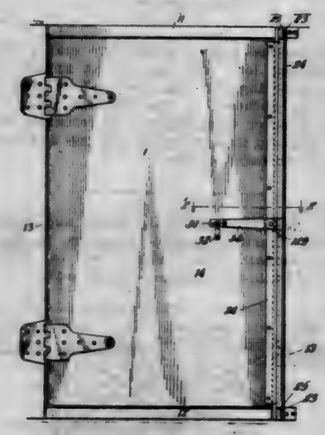
1. In combination with a silo, a top or cover portion capable of horizontal sliding movement and means to automatically elevate the same slightly during such movement substantially as described.

1,538,580. SPARK PLUG. WILLIAM B. O'BRIEN, Chicago, Ill. Filed Oct. 15, 1919. Serial No. 330,684. 3 Claims. (Cl. 123—169.)



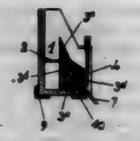
1. In a spark plug, the combination with a supporting body, an insulating body, and extensions on said first mentioned body forming a sparking terminal of a rod extending thru said insulating body and between and proximate to said extensions to form the other sparking terminal, a shield carried by one end of the rod and provided with an outwardly extending annular flange, a plurality of prongs on said rod to prevent inward movement of the same beyond a predetermined position, means for securing the rod, said prongs maintaining said shield out of sparking distance with said extensions and preventing rotation of said rod.

1,538,581. DOOR AND FASTENER THEREFOR. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed Jan. 30, 1922. Serial No. 532,618. 9 Claims. (Cl. 292—241.)



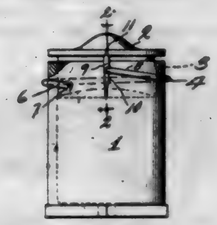
1. In a member having a door opening and a door for closing the opening, the combination with an operating shaft arranged parallel to the free edge of the door, said shaft having a longitudinally extending slot therein; and a cooperable plate extending parallel to the free edge of the door, said plate entering said slot when the door is moved to approximately closed position, the rotation of said shaft after engagement of the slot and shaft forcing the door to fully closed position.

1,538,582. MANUFACTURE OF PAPER. FRITJOF OLANDER and VJEKTO MOISIO, Aanekoski, Finland. Filed Aug. 25, 1923. Serial No. 659,387. 1 Claim. (Cl. 92—40.)



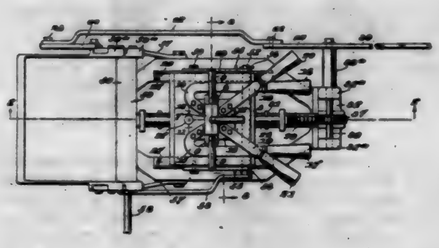
Apparatus for applying liquid filling material to the pulp web on the wire cloth of a paper machine, comprising a box or reservoir supported from the paper machine, a base member sloping from its centre to both ends, a wedge shaped block secured to the reservoir or box, an adjustable gate between which and the block is formed a vertical slot for regulating the flow of the filling material, and a tongue over which said material flows in a stream on to the pulp web on the wire cloth of the machine.

1,538,583. GREASE-CUP-COVER HOLDER. FRANCIS EDWARD OWEN, Thistle, Utah. Filed Oct. 24, 1924. Serial No. 745,597. 1 Claim. (Cl. 184—48.)



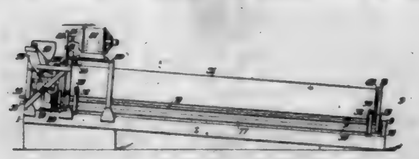
The combination with a grease cup and a threaded closure threaded into said cup, of an annular spring member surrounding the cup, one end of said spring member being anchored to the cup, the other end of said spring member terminating in a vertically disposed inset arm disposed in a groove of the cup and cooperating with the threaded closure.

1,538,584. MOLD. ROBERT J. OWEN and HARRY D. RINDSBERG, Cincinnati, Ohio, assignors to Harry J. Hater, Cincinnati, Ohio. Filed Nov. 14, 1923. Serial No. 674,659. 7 Claims. (Cl. 22—57.)



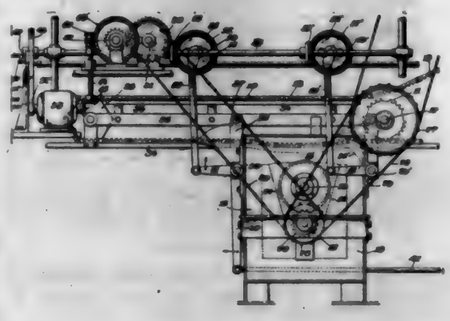
1. In combination, a metal mold for forming cylindrical articles, comprising a pair of movable separable sections each having an inner surface forming part of the curved wall of the open top mold cavity, and a pair of independent plates secured one to the lower end of each of said sections and serving, when said sections are assembled to form the bottom of the mold cavity, and supporting means on which said sections are slidably mounted.

1,538,585. CENTRIFUGAL CASTING MECHANISM. ARTHUR E. PAIGE, Philadelphia, Pa. Filed July 27, 1923. Serial No. 654,231. 22 Claims. (Cl. 22—65.)



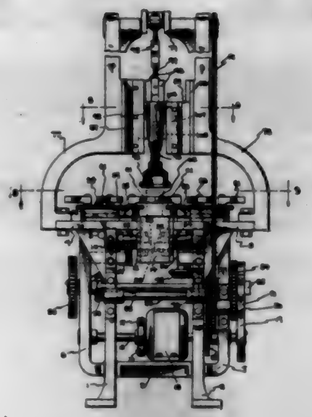
3. In centrifugal casting mechanism, the combination with a rotary mold; of a pouring trough through which molten metal is delivered into said mold; and means cooperatively connecting said mold and trough; arranged to coordinately effect rotary movements of said mold and trough in definite predetermined relation to each other.

1,538,586. MATCH MACHINE. MICHAEL PARIDON, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill., a Corporation of Illinois. Filed June 12, 1923. Serial No. 644,839. 7 Claims. (Cl. 144—60.)



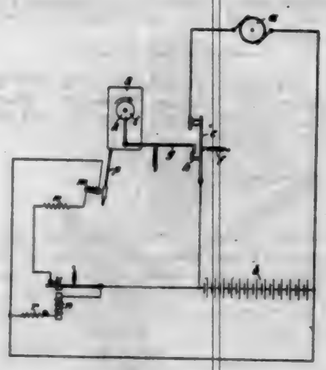
1. In a match machine, the combination of a splint carrier, a composition applying element below the path of the carrier, mechanism for actuating said element during the operation of the carrier, a motor, operative connection between the motor and the said element, a vertically-movable carrier support, means for raising and lowering said support, transmission means between the motor and said raising and lowering means, and means whereby said transmission means can be rendered active and idle at intervals.

1,538,587. VACUUM CAPPING MACHINE. WILLIS Y. PERLLE, Chicago, Ill. Filed Sept. 15, 1921. Serial No. 500,724. 18 Claims. (Cl. 226—82.)



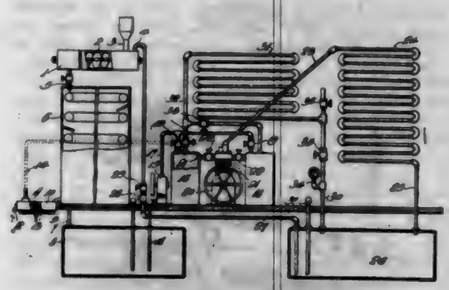
1. In a machine of the class described, an intermittently operated conveyor adapted to carry a series of containers to be sealed, a plurality of clamping members operable in pairs to successively embrace said containers and form a lateral seal thereabout, a reciprocable sealing head adapted to engage said clamping members and form therewith a sealed chamber enclosing the mouth of said container means associated with said sealing head through which to exhaust said sealed chamber and container, and means for sealing a closure on said container.

1,538,588. CHARGING OF LEAD STORAGE BATTERIES. ERNST PÖHLER, Hagen, Germany. Filed Apr. 20, 1923. Serial No. 633,650. 3 Claims. (Cl. 171—314.)



1. The method of charging accumulator batteries which consists in passing a current through a cell until the commencement of gassing, then setting the charging rate at a predetermined amount of current, and finally interrupting the charging operation at a time fixed with relation to the point of commencement of gassing aforesaid.

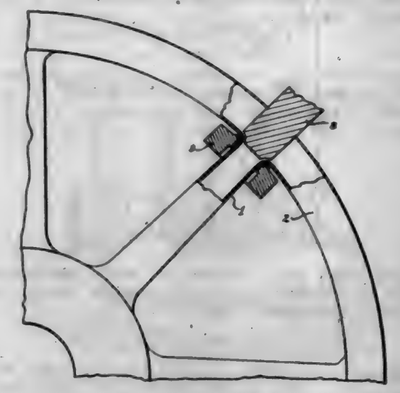
1,538,589. METHOD AND APPARATUS FOR EXTRACTING SULPHUR FROM ITS ORE. JAMES ALBERT PRICE, Dallas, Tex., assignor to American Sulphur & Fertilizer Company, Inc., Dallas, Tex. Filed May 26, 1924. Serial No. 716,015. 11 Claims. (Cl. 23—228.)



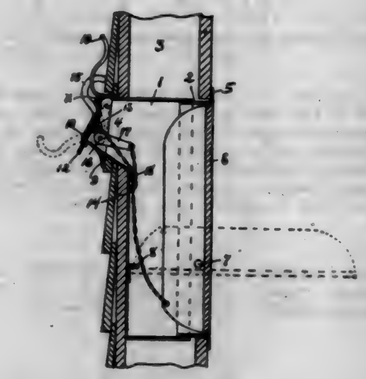
1. The herein-described method of extracting a mineral from its ore, which consists in treating the ore with a solvent to extract the mineral therefrom, and evaporating the solution in a vessel while causing the surface of the solution to be sprayed onto the walls of the vessel so as to cause part of the pure mineral to be deposited as a residue on the walls of the vessel.

1,538,590. ELECTRICAL WELDING PROCESS. JOHN THOMAS TURNEY RANDLES, Birmingham, England, assignor to Dunlop Rubber Company Limited, Birmingham, England. Filed Jan. 14, 1925. Serial No. 2,254. 3 Claims. (Cl. 219—10.)

1. The method of electrically welding a tubular metal member to another metal member having an aperture therein which consists in forming a flange around the aperture in the last mentioned member and flanging the end of the tubular metal member, then bringing the flanges together, and connecting by means of an electric current applied thereto by electrodes.



1,538,591. MAIL RECEPTACLE. CHARLES A. RASTETTER, Fort Wayne, Ind. Filed Oct. 31, 1924. Serial No. 746,964. 5 Claims. (Cl. 232—19.)

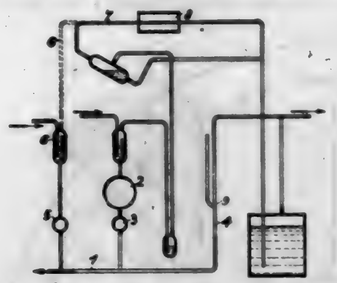


1. In apparatus of the class described, a receptacle having a receiving chute; a mail receiving member including a hinged lid for closing the chute; a hinged door closing the back of the receptacle; a chain connecting the lid and the door operable to open the door when the lid is open; a movable parcel receiving hook; and a connection between said hook and door operable to open the door when the hook is in position for use, and to return the hook to normal position when the hook is relieved and the door is closed.

1,538,592. GAS-ANALYZING DEVICE. OLOF RODHE, Stockholm, Sweden. Filed May 20, 1924. Serial No. 714,710. 8 Claims. (Cl. 23—256.)

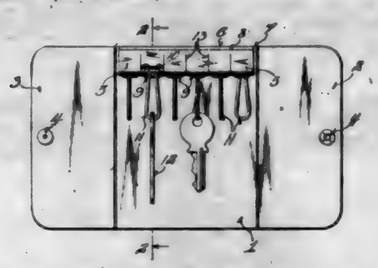
2. In a device of the kind described, a measuring vessel, a leveling vessel, liquid confining means comm-

nicating therewith, and gas introducing means communicating with the measuring vessel, an oxygen—and air



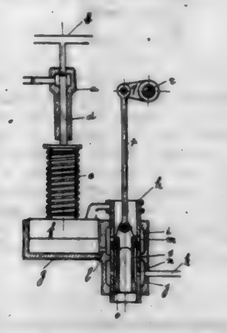
storage vessel and a by-pass on which said storage vessel is arranged, and suction creating means, connected to said storage vessel.

1,538,593. KEY CASE. BALTUS ROLFS, West Bend, Wis., assignor to Amity Leather Products Co., West Bend, Wis. Filed Oct. 4, 1924. Serial No. 741,610. 2 Claims. (Cl. 150—40.)



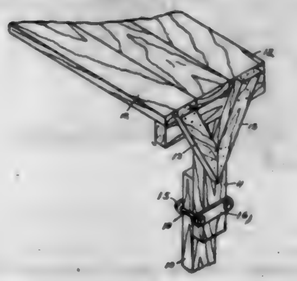
2. A key case comprising a back portion, cover flaps adapted to fold thereon, a folded flexible strip having its longitudinal edges stitched adjacent one edge of said back portion, and a plurality of key supporting members secured to said folded strip, said folded strip having slits located between successive key supporting members and extending to adjacent the longitudinally stitched edges.

1,538,594. INTERNAL-COMBUSTION ENGINE. JEAN ROMETH, Brussels, Belgium. Filed Nov. 19, 1923. Serial No. 675,758. 6 Claims. (Cl. 123—33.)



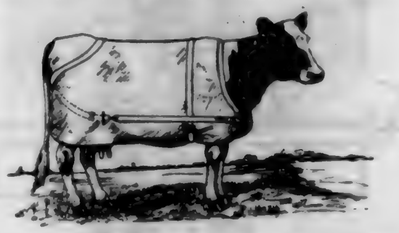
1. An injection air pressure regulator for internal combustion engines, comprising a relief valve in the compressed air line; a loading spring acting on said valve to hold it on its seat; an abutment for said spring; means for supplying motive fluid under pressure to act on said abutment in opposition to the action of the loading spring; and a distributing device for controlling the fluid supply, embodying a distributing sleeve connected to move in unison with the abutment of the spring, a regulating shaft, and a distributing valve movable within and relatively to said sleeve and operatively connected with said shaft.

1,538,595. STAGING AND CLAMP FOR THE ERECTION THEREOF. WILLIAM SCHROEDER, Milwaukee, Wis. Filed Oct. 27, 1923. Serial No. 671,249. 1 Claim. (Cl. 304—40.)



In staging, the combination with a pair of uprights in mutual overlapping relation, of a pair of substantially duplicate clamping plates each being formed on one face with means adapted to effect interlocking engagement with one of said uprights, and a pressure device operatively connected with one of said plates and adapted to bear upon the other of said plates to press it in the direction of the first plate whereby to clamp the uprights together and to firmly interlock each of said plates with an upright, said device including substantially duplicate members arranged on opposite sides of the uprights.

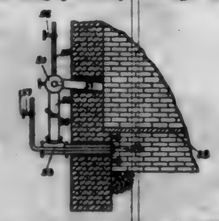
1,538,596. ANIMAL BLANKET. GEORGE M. SCHROEDTER, Chicago, Ill., assignor to William Cooper and Nephews, a Corporation of Illinois. Filed Oct. 10, 1924. Serial No. 742,767. 2 Claims. (Cl. 54—79.)



1. An animal blanket having straps adapted when in use to extend horizontally along the lower part of the sides of the animal and to be connected across the chest, other straps adapted to extend from the middle of the back of the animal diagonally downwardly and rearwardly to the margin of the blanket, around the legs, and then through openings in the blanket for attachment to the rear ends of said horizontal straps.

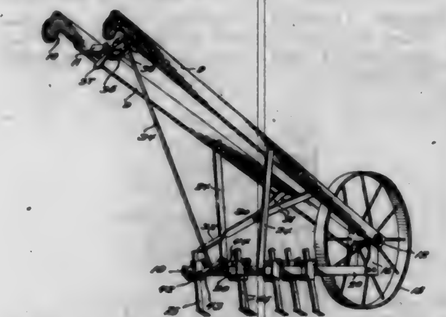
1,538,597. DEVICE FOR ABATING SMOKE. PETER J. SHOMER, Cleveland, Ohio. Filed May 9, 1922. Serial No. 637,683. 1 Claim. (Cl. 110—60.)

The combination with a furnace, of a device of abating smoke and promoting combustion of the fuel comprising air conduit pipes, outlet ports leading from said conduits into opposite sides of the furnace fire-box, inlet ports leading from the space beneath the furnace grate into said conduits, steam pipes having outlet ports coaxial with the outlet ports of said conduits for ejecting air therethrough from beneath the furnace grate, steam pipes extending partially through the inlet ports



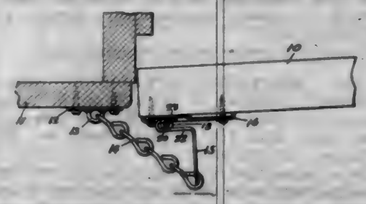
and projecting from the ends thereof within the space beneath the furnace grates, box shaped nozzles secured to the ends of the steam pipes in said inlet ports, said nozzles having apertures therein for directing air into said inlet ports from said furnace, and means for controlling the volume of mixture of air and steam passing into said conduits.

1,538,598. CULTIVATOR. CHARLES W. SKINNER, Newfield, N. J. Filed Oct. 22, 1921. Serial No. 509,655. 2 Claims. (Cl. 97—59.)



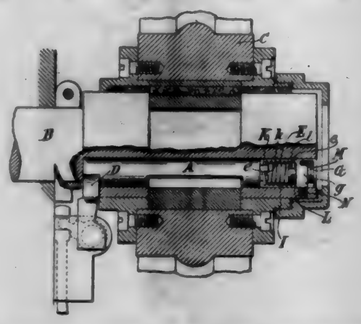
1. A cultivator including a wheel; a pair of handle bars supported thereon; resilient rails of spring steel supported by said wheel; supporting straps pivotally engaging said bars and rails; a brace bar between the upper ends of said handle bars; a bracket extending from said handle bars; a forwardly inclined operating rod supported in said bracket and having transverse means fastened to its bottom and pivotally linked to said rails; and lever means supported on said brace bar adjacent the handle parts of said handle bars, and connected to the top of said operating rod to flex said rails and vary the distance between them; substantially as described.

1,538,599. SAFETY DEVICE FOR HOLDING DOORS AJAR. HARRY E. SORBY, Milwaukee, Wis. Filed Dec. 8, 1922. Serial No. 605,588. 4 Claims. (Cl. 292—264.)



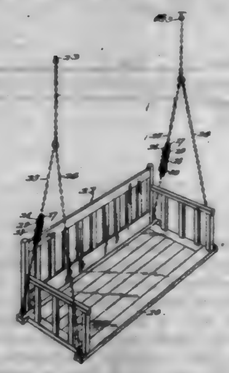
1. A safety device for securing a door in a partially opened position, comprising a part for attachment to the door casing and a short flexible connection including a hook extending therefrom, a part for attachment to the door and provided with a retaining member adapted to be engaged or disengaged with the hook only when the door is substantially closed, the hook being rotated about its vertical axis to locked position by movement of the door away from the casing.

1,538,600. CLUTCH. ROBERT W. STROUT, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed July 10, 1924. Serial No. 725,167. 6 Claims. (Cl. 192—29.)



1. A clutch comprising an oscillating clutch-pin or key, a spring, and an anchor-piece, said spring being attached to said clutch-pin and anchor-piece, said anchor-piece being movable to tension said spring, means for locking said anchor-piece with the spring under tension, said spring acting to press said anchor-piece into engagement with its locking means.

1,538,601. PORCH SWING. EDGAR HUMB TALBERT, Chevy Chase, Md. Filed Apr. 22, 1921. Serial No. 463,684. 6 Claims. (Cl. 155—58.)

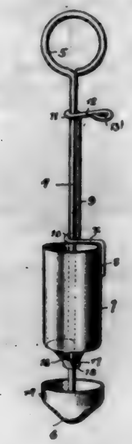


1. A porch swing comprising a seat, downwardly diverging front and rear tensile supporting elements having a single overhead axis of oscillation, said supporting elements being connected with said seat, certain of said elements being yieldingly extensible for elongation relative to the remainder to afford tilting vibration of the seat about a contained axis.

1,538,602. CREAM DIPPER. HERBERT R. TALBOT, Ridgewood, N. J. Filed Oct. 27, 1923. Serial No. 671,167. 1 Claim. (Cl. 65—28.)

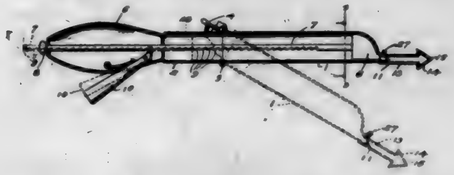
A cream dipper comprising a cylindrical body portion open at both ends, a separable cup-like closure for the lower end of said body portion and having a cylindrical flange into which the lower end of the body portion

telescopically fits and forms a seal, a supporting rod secured centrally in the bottom of the cup, a centering guide at the lower end of the body portion and engaging said rod, said centering guide extending below the



lower margin of the body portion and affording room for the entry of a cleaning utensil to the interior of said body and means for manipulating the body portion to separate the same from the cup.

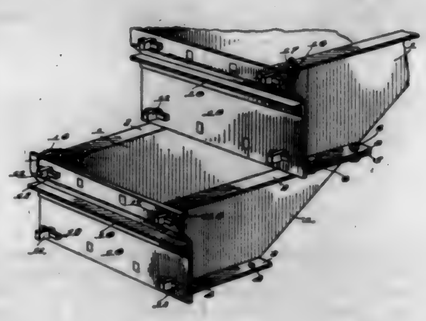
1,538,603. MASON'S AND PLASTERER'S TOOL. OWEN TAYLOR and CHARLES C. TAYLOR, Huntington, W. Va., assignors to John Edward Miller, sr., Huntington, W. Va. Filed Feb. 28, 1924. Serial No. 695,781. 2 Claims. (Cl. 72—138.)



1. A tool of the character specified having a hollow body in sections hingedly connected together, one of the sections having a handle portion, a catch for securing the sections in normal position, a plunger within the body provided with a rod extending therethrough and outwardly of the handle portion, said rod having ratchet teeth, a latch lever pivoted to the handle portion adapted to coact with the ratchet teeth to positively advance the plunger and forcibly expel material from the body, and said rod and plunger being retractile past the joint of the sections so that one section may be swung relatively to the other section for reception of a charge.

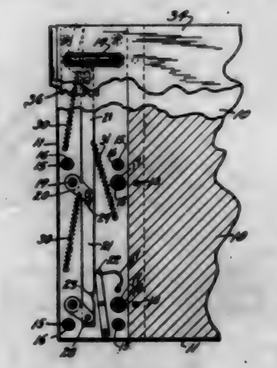
1,538,604. MOLD FOR FORMING STEPS. CHARLES AUSTIN THRASHER, Worcester, Mass., and CLARENCE RADIOUS OWEN, Greenville, S. C. Filed Sept. 18, 1924. Serial No. 738,490. 5 Claims. (Cl. 25—118.)

1. A mold for forming steps comprising pairs of spaced side plates having horizontal flanges at their upper and lower ends, lugs projecting forwardly of said side members, riser plates provided with perforations adapted to receive said lugs, means cooperating with said lugs for locking the riser plates to the outer ends of the side plates, said riser plates having an offset portion adjacent their upper ends, the forward ends of the side



plates having projections adapted to fit into the offset portions of the riser plates, the flanges of the side plates at one riser being adapted to be bolted to the flanges of adjacent side plates at different horizontal levels.

1,538,605. LOOSE-LEAF BINDER. EARLE G. ALDEN, HARRY B. ALDEN, and JOHN P. SQUIRES, Denver, Colo. Filed Jan. 17, 1924. Serial No. 686,870. 3 Claims. (Cl. 129—10.)

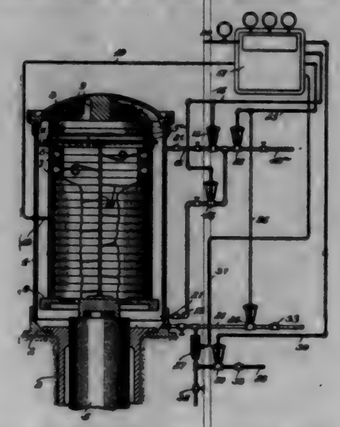


3. A loose-leaf binder comprising fixed standards; rotatable standards coacting therewith; lever arms secured to said rotatable standards; a connecting bar connecting the extremities of said lever arms, said connection being sufficiently flexible to allow each standard to move through a relatively small arc independently of the others and sufficiently rigid to cause all said arch standards to operate simultaneously through a relatively greater arc.

1,538,606. REGULATING APPARATUS. SAMUEL S. ANDURSKY, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed July 7, 1923. Serial No. 650,121. 7 Claims. (Cl. 18—6.)

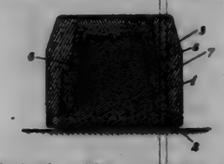
1. In a temperature regulating apparatus the combination with a body to be heated, of a plurality of conduits for heating medium communicating therewith, pressure operated means, one for each of said conduits, for controlling the flow of heating medium therein arranged for

operation respectively, by different pressures, means connected with said body and responsive to temperature conditions therein, and a device actuated by said re-



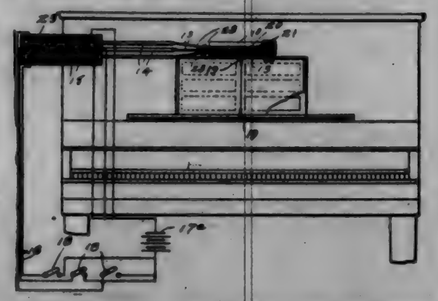
sponsive means arranged for connection with a source of pressure and connected with each of said controlling means for operating the latter individually.

1,538,607. METHOD OF MAKING MOLDS FOR ORNAMENTAL FLOWERPOTS. ANDREW ANDERSON and VICTOR AXELSON, Sacramento, Calif. Filed June 30, 1924. Serial No. 723,223. 5 Claims. (Cl. 25—29.)



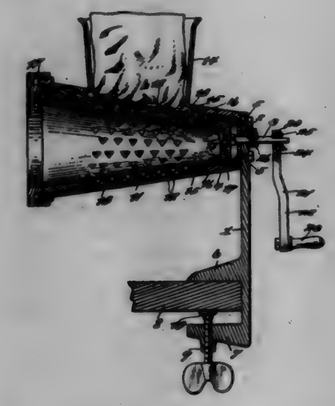
1. A method of making molds for pots and the like having embossed ornaments on their sides consisting in employing a core about which the material forming the mold is poured, and applying to said core before the material is poured, detachable pieces having the desired ornamental configuration.

1,538,608. MUSIC-LEAF TURNER. HENRI ANDRIEU, Falk, Calif. Filed Sept. 7, 1922. Serial No. 586,708. 2 Claims. (Cl. 84—487.)



1. A turning apparatus of the class described having a combined channel-shaped support and guide, riders movably mounted thereon provided with depending portions and disposed outwardly and adjacent thereto and terminating at different elevations, operating means connecting said depending portions adjacent their free ends, and grooves on the outer surface of said combined support and guide serving as guides for said means.

1,538,609. SOAP SHREDDER. GRIFFITH E. BARNETT, Salt Lake City, Utah. Filed June 25, 1924. Serial No. 722,319. 4 Claims. (Cl. 146—91.)



1. A soap shredder including a casing of conical contour and provided with a soap receiving hopper, a support therefor, a shredding cone having smooth surfaces at its ends to engage corresponding surfaces of the casing, said shredding cone having struck-up shredding points between the smooth surfaces and being formed a distance equal to the length of the hopper, the smooth surfaces of the shredding cone extending radially a distance flush with the terminals of the shredding points, thereby preventing the shredding points from contacting with the surface of the casing at points beyond opposite sides of the hopper, and means operatively mounted in the casing and connected to the shredding cone for rotating the latter.

1,538,610. TEMPERATURE-SENSITIVE BULB. FRANK J. BAST, Brooklyn, N. Y., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 8, 1923. Serial No. 610,531. 2 Claims. (Cl. 297—8.)



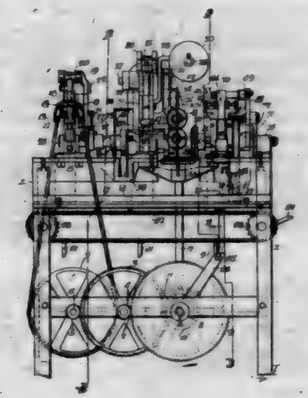
1. A unit for use in making temperature sensitive bulbs comprising a member having an internal chamber, an annular shoulder at one end of said chamber and a flange on said member projecting from said shoulder and adapted to be turned inwardly thereon and welded to close one end of said chamber.

1,538,611. OVERALL SUSPENDER STRAP AND METHOD OF MANUFACTURING SAME. GEORGE C. BEICHL, Beaver Dam, Wis. Filed Sept. 29, 1921. Serial No. 504,187. 2 Claims. (Cl. 24—197.)



1. A suspender strap slide including a single piece of wire bent to form two adjacent substantially rectangular figures having a common side member, the ends of said wire being secured to the ends of said side member, together with a member pivotally connected with one of said figures and extending transversely thereof.

1,538,612. CAPPING MACHINE. BENJAMIN C. BETNER, Merion, Pa. Filed Dec. 23, 1920. Serial No. 432,735. 9 Claims. (Cl. 226—80.)



1. The combination in a machine of the character described, of mechanism for forming a hole in a filled package, mechanism for inserting a friction closure in such hole, and means for intermittently presenting a series of filled packages successively in timed relation to the said hole-forming and closure inserting mechanisms.

1,538,613. WHEEL TIGHTENER. THOMAS B. BOMAR, Dallas, Tex. Filed Nov. 3, 1923. Serial No. 672,661. 1 Claim. (Cl. 157—9.)

In a device for tightening wheels, protecting plates having inclined inner surfaces and having laterally extended portions adapted to engage the spokes of the wheel, a hollow body portion adapted to engage the spokes, a bolt extending through the hollow body portion, an expanding member adapted to be positioned between the protecting plates, said bolt adapted to extend through the expanding member, and means on the bolt and adapted to engage the expanding member to



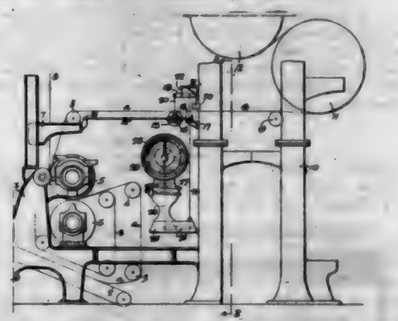
force the expanding member between the protecting plates, and one end of the expanding member adapted to pass into the hollow body portion.

1,538,614. NECK-SHAVING GUARD. WILLIAM C. BRIDGES, Muscatine, Iowa. Filed Sept. 15, 1924. Serial No. 737,937. 6 Claims. (Cl. 132—45.)



1. In combination, a head engaging band, a guard, a bowed strip fixed at one end to the guard, and provided adjacent its other end with a roughened surface with which the band is engageable.

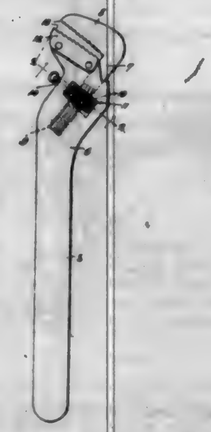
1,538,615. PROCESS OF AND APPARATUS FOR WEIGHING PAPER. JOHN B. BUEHLER and CONRAD J. KERN, Philadelphia, Pa. Filed Dec. 30, 1921. Serial No. 525,901. 6 Claims. (Cl. 265—27.)



1. The combination in a machine for weighing paper and like material, of two rollers spaced apart over which the web of paper travels; a weighing roller extending under the web of paper about midway between the two rollers; and indicating scales connected to each end of the weighing roller for indicating the weight of each side of the web of paper.

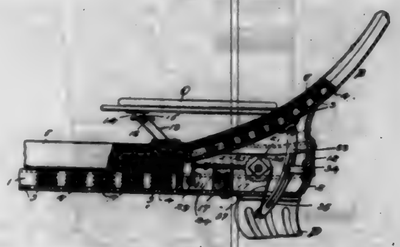
1,538,616. PIPE WRENCH. ARTHUR BURKMAN, Kenosha, Wis. Filed Oct. 11, 1923. Serial No. 667,915. 1 Claim. (Cl. 81—101.)

A wrench including a handle portion having a jaw formed at one end thereof and having a cutout portion formed therein adjacent to the jaw, said handle portion having a bore extending from a point adjacent to the jaw and terminating in spaced relation with the jaw, a movable jaw having a shank of less diameter than the bore to permit the movable jaw to rock within the bore, a nut on the shank, said nut being positioned in the cut-



out portion, said nut being of a width less than the width of the cutout portion to permit the nut to move with the shank, and a locking screw extending through the handle portion and engaging the nut to force the nut into engagement with one wall of the cutout portion.

1,538,617. CHAISE LONGUE. BARTHOLOMEW P. BURNS, Chicago, Ill., assignor of one-fourth to Andrew Dobscher, Chicago, Ill. Filed Nov. 28, 1922, Serial No. 603,797. Renewed Sept. 30, 1924. 5 Claims. (Cl. 155—118.)

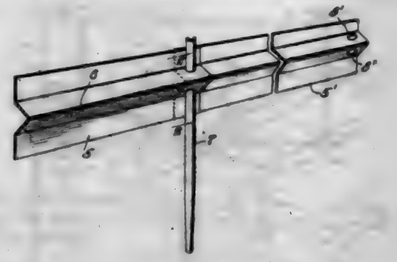


1. In a device of the character specified, a seat, a back pivoted to the seat, arms having pivotal connection with the back and movable therewith, and telescoping supports between the outer ends of the arms and the seat and rigidly connected thereto, respectively, and inclining upwardly and forwardly away from the back.

1,538,618. WELDING PROCESS. ROBERT J. BURNSIDE, New Castle, Pa. Filed Oct. 9, 1923. Serial No. 667,546. 4 Claims. (Cl. 148—25.)

1. The process of welding copper which consists of subjecting the parts to be welded to the action of heat in the presence of a flux containing sugar.

1,538,619. PAVEMENT-MAKING DEVICE. WILLIAM C. BURRELL, Kankakee, Ill. Filed Dec. 10, 1923. Serial No. 679,587. 8 Claims. (Cl. 94—18.)



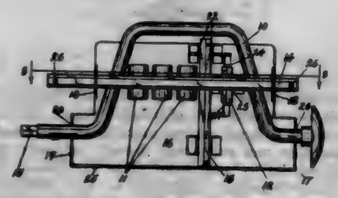
1. In combination with a strip having a laterally projecting, longitudinally extending bead, said bead having perforations extending transversely of the wall to receive a pin to be driven therethrough to hold the strip on its edge and a laterally contractible pin larger in diameter than said perforations to be driven thru said perforations.

1,538,620. BALL AND ROD MILL. FERDINAND MORA CANDA, Chrome, N. J. Filed Feb. 19, 1924. Serial No. 693,862. 2 Claims. (Cl. 83—9.)



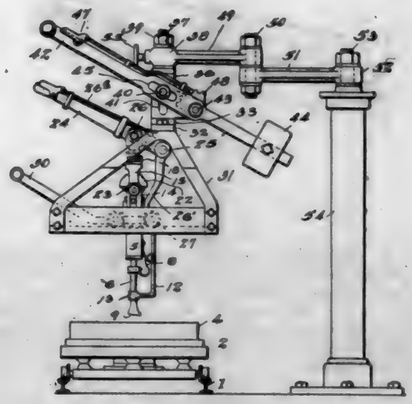
1. In a ball mill, rod mill, or other grinding mill, a metal shell or casing, a circumferential series of brittle hard steel liner plates bolted to the shell, and a resilient shock absorbing medium interposed between the plates and the shell.

1,538,621. WRENCH CONTAINER. HENRY H. CHASE, Jamestown, N. Y. Filed Oct. 5, 1923. Serial No. 666,801. 2 Claims. (Cl. 206—16.)



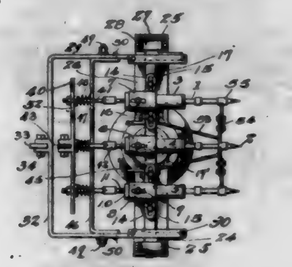
1. A container for a high speed wrench outfit including a brace, sockets and extensions consisting of a plate having holders for said elements comprising a plurality of openings in which said sockets are placed, notched flanges for receiving said brace, spaced straps for all but one of said extensions and flanges having openings therein in which one of said extensions is inserted, said last named extension extending over and locking said other elements in said holders.

1,538,622. STONEWORKING MACHINE. DOUGLAS COLLINS, Salisbury, N. C. Filed Feb. 14, 1924. Serial No. 692,709. 13 Claims. (Cl. 125—8.)



1. The combination in a stone working machine with a plurality of machine tools and a relatively movable supporting frame therefor, of means for moving said frame and machine tools to adjusted position, and subsequently moving said frame with relation to the tools for gaging the cut of the tools.

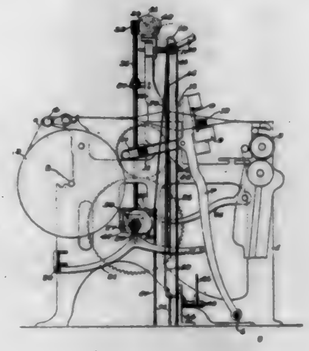
1,538,623. STONEWORKING MACHINE. DOUGLAS COLLINS, Salisbury, N. C. Filed Feb. 14, 1924. Serial No. 692,770. 4 Claims. (Cl. 125—8.)



1. The combination with a vertically movable cross head and a transversely adjustable frame including a head plate, of a fixed central bushing on the head plate and a machine tool supported therein, laterally disposed bushings carried by said head plate and means for adjusting said bushings relatively to the fixed bushing, and machine tools supported in said laterally disposed bushings.

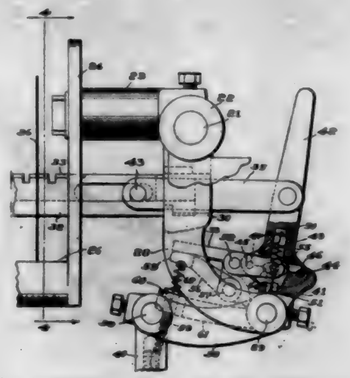
1,538,624. LOOM. EDWARD A. CUNNIFF, Waltham, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 23, 1924. Serial No. 739,327. 16 Claims. (Cl. 139—56.)

1. In a loom for weaving novelty cloth, the combination of the harnesses for controlling the warp threads, means for operating the harnesses in forming the shed, locking means for automatically locking the harness operating means at intervals with the shed open while the loom continues to run for the introduction of a plurality of picks of filling in the same shed, automatically acting lock tripping means to trip the lock at intervals, and



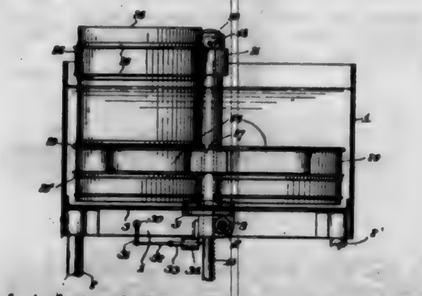
selvage forming means for producing a selvage along the edge of the cloth during the introduction of a plurality of picks of filling in the open shed.

1,538,625. WARP STOP MECHANISM FOR LOOMS. HARRY A. DAVIS and ARTHUR S. JOHNSON, Hopedale, Mass., assignors to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 26, 1924. Serial No. 734,234. 19 Claims. (Cl. 139—366.)



1. In a warp stop mechanism for looms, the combination of a series of drop wires normally supported by the warp threads during weaving, a detector having a detecting movement and adapted to be arrested by a drop wire, a rocker, a detector actuator yieldingly mounted on the rocker for tilting movement about either of two fulcra, a stop finger independently pivoted on the rocker and connected to the detector actuator as the latter is tilted by either fulcrum for movement about its pivot thereby when the detector is arrested by a drop wire, and means operated by the stop finger for stopping the loom.

1,538,626. FLOAT AND SINK TESTING APPARATUS. GEORGE R. DELAMATER, Lakewood, Ohio. Filed Apr. 26, 1924. Serial No. 709,286. 14 Claims. (Cl. 83—65.)



1. A float and sink testing apparatus comprising a float collector, a sink collector, and a transfer device, one of said members being revoluble about an axis to effect registration of said device with the respective collectors, and a fluid container for immersing said collectors.

1,538,627. SWIMMING DEVICE. BENVENUTO DI LAURO, Akron, Ohio. Filed Nov. 6, 1924. Serial No. 748,073. 2 Claims. (Cl. 9—21.)



1. A bathing belt comprising an inflatable bag formed with an inner wall of rubberized fabric and an outer wall of rubber, a valve in the outer wall for inflating the bag and tapes of rubberized fabric for securing the bag to the wearer, the inner and outer walls of the bags and the tapes being vulcanized together to form an integral structure.

1,538,628. WIRE-SPLITTING TOOL. GUY DINCOGNITO, Chicago, Ill. Filed Oct. 18, 1923. Serial No. 669,258. 10 Claims. (Cl. 164—47.)



1. A punch press tool, comprising a block with a slot with cutting edges, a bar mounted in a groove at each side of said slot, for holding a plurality of wires over said slot and longitudinally over said cutting edges, and a punch with means for splitting all of said wires with one punch press operation.

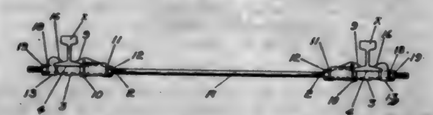
1,538,629. COMBINED WRITING TABLET AND COPY-HOLDER. PHILIP B. DOWNING, Everett, Mass. Filed Sept. 18, 1923. Serial No. 663,389. 1 Claim. (Cl. 281—7.)

A combined writing tablet and copyholder comprising in combination a plate, side members supporting said plate and extending beyond both ends thereof, said side members terminating in slotted brackets, an axle arranged in the slots in each of said brackets, the rearward axle being arranged to carry a web of paper and the forward axle to receive the end of said paper, a pair of springs each having one end secured to one of said brackets and bearing against the axle carried by the bracket to which it is secured to restrain the rotation thereof and tension said web, the free end of each of



said springs being bent around said axle to maintain the latter in position, and means whereby said axles may be rotated manually.

1,538,630. TRACK BRACE. THOMAS H. EDELBLUTE, Pittsburgh, Pa. Filed Jan. 17, 1925. Serial No. 3,038. 6 Claims. (Cl. 238—53.)



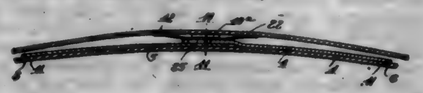
1. A rail brace including a tie rod and an adjustable rail engaging clamp on the tie rod, said clamp including a central clamping member adapted to engage the under side of a rail and through which the tie rod is slidably passed, said central member being beveled at one end and having an inclined bottom face tapering toward its other end, a vertically slotted flange-engaging clip engaging the inclined end of the central member, a vertically slotted flange clip telescopingly engaging the other end of the body, and nuts on the tie rod for confining the parts against movement.

1,538,631. CONTAINER FOR PERFUMES, ETC. ANNIE FRANCIS, Detroit, Mich., assignor to Frederick Stearns & Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 7, 1923. Serial No. 630,606. 4 Claims. (Cl. 41—14.)



4. A container comprising a vial having a bulbular portion in the form of a bud of a flower, said bulbular portion having a hollow depending stem simulating the stem of the flower and leaves attached to said stem.

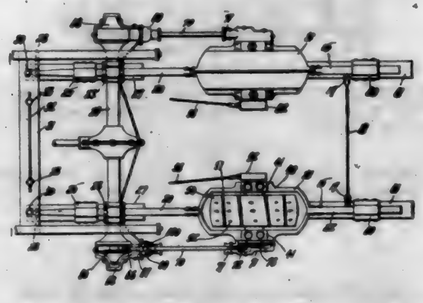
1,538,632. BELTED GARMENT. SAMUEL I. GOLDSTEIN, Rochester, N. Y. Filed Mar. 2, 1922. Serial No. 540,605. 6 Claims. (Cl. 2—85.)



2. The combination with a coat or similar garment having a half belt extending across the back thereof and composed of two members each attached at one end to the side of the garment and at the other end to the other member, of a full belt overlying the half belt and extend-

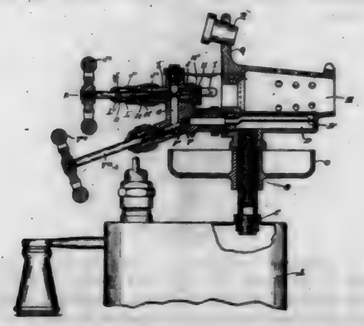
ing around the garment and detachably secured to the half belt by the same means which attaches the members of the half belt to each other to hold the two belts in register.

1,538,633. SNOW ATTACHMENT FOR AUTOMOBILES. HAROLD K. GOODRICH, Benson, Vt. Filed July 19, 1922. Serial No. 575,978. 8 Claims. (Cl. 180—6.)



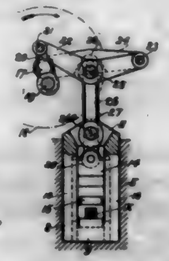
7. In a device of the class described, a unit for supporting a motor vehicle having a driving axle and brake applying means, which comprises a frame member, runner supports for said frame member, said member having spaced sides between said runner supports, a shaft passed through said sides, a traction wheel fixed to said shaft between said sides, a brake drum fixed to said shaft at one side of said frame, a brake in operative relation to said drum and actuated by said brake applying means, and driving connections to the opposite ends of said shaft from said driving axle.

1,538,634. TORCH-BURNER CONSTRUCTION. OTTO J. GROEHN, Detroit, Mich., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 30, 1921. Serial No. 518,882. 4 Claims. (Cl. 158—33.)



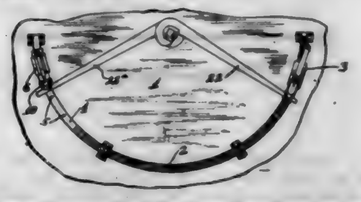
2. In a burner for blow torches, the combination with a fuel passage having a discharge orifice, of a nipple in alignment with the orifice, a stem threadedly adjustable in said nipple toward and away from said orifice, a clean out member carried by said stem adapted to be reciprocated through said orifice, a collar surrounding said nipple having a reduced portion fitting said stem, a collar surrounding the reduced portion of the collar aforesaid having an annular shoulder, and an enlargement on said stem alternately engageable with the outer end of the first collar and the annular shoulder of the second collar for limiting the movement of said stem toward and away from said orifice, and means remote from and independent of the clean out member and stem for controlling the flow of fuel through said passage.

1,538,635. BLOOM SHEARS. JOHANN HAHN, Pittsburgh, Pa. Filed Aug. 16, 1924. Serial No. 732,489. 8 Claims. (Cl. 164—47.)



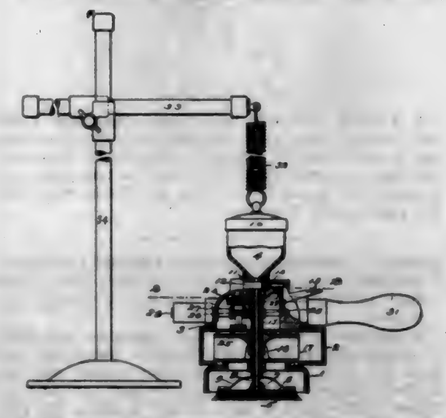
1. In a bloom shear, upper and lower knife carriers, a knife carried by each of said carriers, and interfitting parts on said carriers slidably engaging each other whereby one carrier may be slidably supported on the other and each movable with respect to the other, said interfitting parts serving to hold the carriers against spreading, and means for moving each carrier with respect to the other.

1,538,636. JOINT BREAKER. FRANK J. HINDERLITER, Tulsa, Okla. Filed Feb. 13, 1922. Serial No. 536,067. 5 Claims. (Cl. 255—35.)



1. In an apparatus of the class described, an arcuate rack having a smooth portion and a serrated portion, an adjustable stop on the serrated portion, and a screw jack on the smooth portion.

1,538,637. MACHINE FOR APPLYING POWDER TO PRINTED MATTER. HANS H. JESSEN, Windsor, and ECTOR F. MARCEAU, East Hartford, Conn. Filed May 7, 1924. Serial No. 711,619. 8 Claims. (Cl. 91—39.)



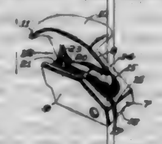
1. A machine for applying powder to printed surfaces which comprises a casing, a distributing pad rotatably supported by the casing, means for rotating the pad, a reservoir for powder communicating with the pad, a suction fan rotatably supported in the casing, and means for rotating the fan.

1,538,638. ROD-FEEDING CHUCK FOR AUTOMATIC SCREW MACHINES. GEORGE J. KALBERER, Hamilton, Ohio. Filed Aug. 8, 1923. Serial No. 656,357. 16 Claims. (Cl. 99—62.)



1. In a construction of the character described, a reciprocatory feed tube through which a rod of stock to be intermittently advanced extends, a split spring sleeve surrounding the stock within the tube and grasping the stock by the inherent tension of the sleeve said sleeve being operatively engaged upon longitudinal movement of the tube to advance the stock therewith and pressure operated means for expanding the sleeve against its inherent tension to release its grasp upon the stock upon resistance of the stock to advance movement.

1,538,639. AUTOMATICALLY-THREADING LOOM SHUTTLE. PATRICK KAVANAGH, Milford, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 2, 1924. Serial No. 741,129. 9 Claims. (Cl. 139—228.)



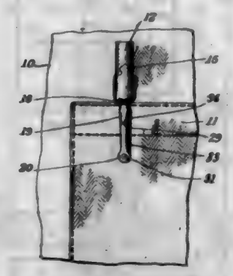
1. An automatically threading loom shuttle having a thread passage extending longitudinally thereof, a side delivery eye communicating with the thread passage, a thread casting and guiding device in the thread passage constructed and arranged to cast the thread and partially or wholly unthread the shuttle on the occurrence of an overthrow as the shuttle is arrested at the end of its flight, and a guide between the thread casting and guiding device and the side delivery eye for directing the thread into the said device as the unthreaded shuttle is picked.

1,538,640. ADHERENT MISSILE. MAX B. KRUSI, New York, N. Y. Filed June 8, 1922. Serial No. 565,624. 4 Claims. (Cl. 273—106.)



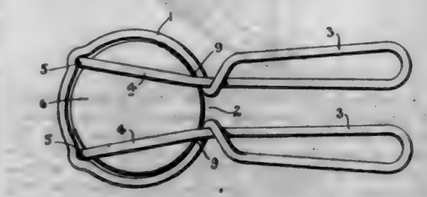
1. As a new article of manufacture, a hand thrown missile including a relatively heavy solid confection, a unitary flexible fabric member connected to said confection adapted to trail thereafter, and a bur connected to the confection in advance thereof.

1,538,641. PENCIL ATTACHMENT. JOHN LILJEQUIST, New York, N. Y. Filed Dec. 12, 1922. Serial No. 606,890. 1 Claim. (Cl. 120—84.)



A pencil attachment of the class described formed of a single, substantially key-shaped metal plate, wings near the upper end of said plate adapted to be bent to tensionally engage about a pencil, an upper pointed lug on said plate adapted to engage the pencil under leverage, a recessed spring bar integral with said plate, a pad adjacent said wings adapted to be folded against said spring bar for guiding and holding a sharpener blade, an enlarged, perforated pad at the lower end of said bar, a perforated extension integral with said enlarged pad and adapted to be folded into parallel spaced relation with said pad, the openings in said pad and extension alined to receive a rivet on which said sharpener blade is pivoted, and means for preventing an accidental folding of the knife when in its working position.

1,538,642. FRUIT-JAR WRENCH. WILLIAM F. LONG, Grand Haven, Mich. Filed July 11, 1923. Serial No. 650,745. 3 Claims. (Cl. 81—3.1.)

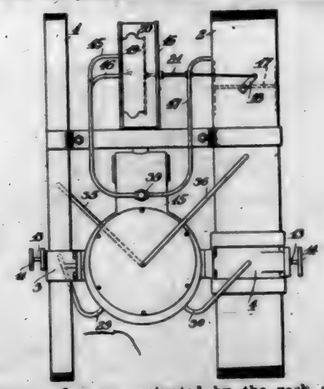


1. A fruit jar wrench formed of a single piece of material comprising a substantially circular body portion having a gap therein and thence extended outwardly at both sides of the gap and returned to form handle members and thence extending as chords across the circular body portion in a plane slightly above the same to form locating members substantially as described.

1,538,643. FLUID-PROPORTIONING APPARATUS. IVAR LUNDGAARD, Rochester, N. Y., assignor to Ratiometer Corporation, Rochester, N. Y., a Corporation of New York. Filed Apr. 21, 1919. Serial No. 291,783 1 Claim. (Cl. 137—78.)

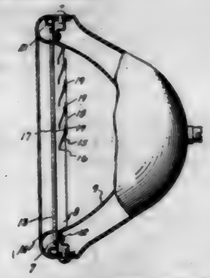
In a fluid proportioning apparatus, the combination with two conductors each provided with means for creating differential pressure therein and means for regulating the rate of flow through one of the conductors, of a pressure operated device for actuating said means and a controlling means for said device embodying a casing having two pressure chambers, a rock shaft extending into both chambers, pneumatic devices in the respective chambers connected to the shaft to operate

it in opposite directions, said devices being respectively sensitive to the pressure differentials in the respective



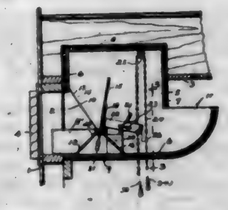
conductors, and means actuated by the rock shaft for controlling pressure to the actuating device, said means being located exteriorly of both pressure chambers.

1,538,644. LIGHT DEFLECTOR. JOSEPH MCELLIOTT, Detroit, Mich., assignor of one-half to M. J. Deleney, Detroit, Mich. Filed Mar. 5, 1923. Serial No. 622,875. 4 Claims. (Cl. 240—43.4.)



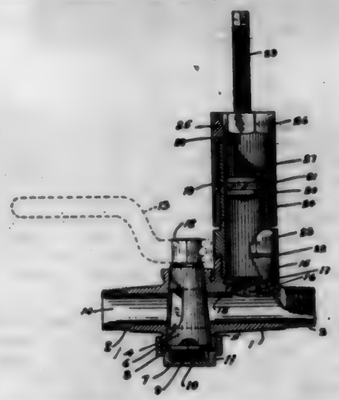
1. A deflector for vehicle lamps comprising a metallic band adapted for mounting thereon; a flange integral with said band and adapted for engagement with the reflector of said lamp; deflecting members integral with said flange and projecting across the same, the surface of the central longitudinal portion of said deflectors lying in a plane other than the plane determined by the edge of said flange, and the surface of the upper portion thereof lying in said plane determined by the edge of said flange.

1,538,645. VENTILATING MECHANISM. GEORGE THOMAS MARKEY, Fort Atkinson, Wis., assignor to James Manufacturing Company, Fort Atkinson, Wis. Filed Mar. 1, 1923. Serial No. 621,990. 10 Claims. (Cl. 98—27.)



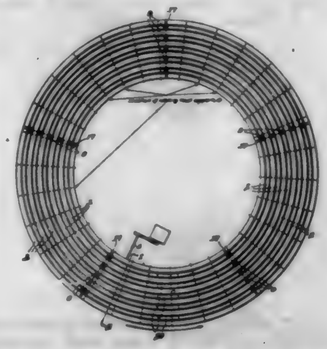
1. In a device of the character described, a valve stop comprising a pivoted member having a laterally projecting arm including a pair of friction applying members spaced substantially in the direction of the axis upon which said member is pivoted, and a rod fixed against movement about said axis and projecting between said friction applying elements, said rod being frictionally engaged by said elements, whereby to maintain said arm and member in a selected position of oscillation about said axis.

1,538,646. LUBRICATOR FOR AIR DRILLS. ADOLPH NELSON, Hugo, Colo. Filed Sept. 2, 1924. Serial No. 735,365. 1 Claim. (Cl. 184—55.)



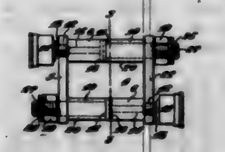
A lubricating device for mechanisms adapted to be operated by compressed air comprising, in combination, a tubular body member adapted to be connected in an air line connecting a source of compressed air to a machine, the body member being provided with a stopcock adjacent the end nearest the air supply, said body member having a circular recess in one side thereof and an opening of smaller diameter than the recess connecting the latter with the passageway in the body member, a perforated disk in the bottom of said recess, a cylinder threadedly connected to the wall of the recess, a cap threadedly connected to the outer surface of the cylinder, a piston within said cylinder, and a threaded stem connected to the piston, said stem being threadedly connected with the cap whereby the rotation of the stem will move the piston within the cylinder.

1,538,647. AMUSEMENT DEVICE. FRANK JACOB NEWBAUM, Detroit, Mich. Filed Jan. 22, 1924. Serial No. 687,838. 13 Claims. (Cl. 104—168.)
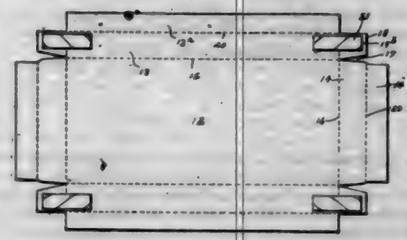


2. An amusement device of the kind described comprising a traveling trackway defining a general horizontal course, a manually propelled bicycle mounted on the track to be propelled thereover, and connecting means between the track and bicycle for confining the latter to the course and against unauthorized displacement from the trackway.

1,538,648. SPRING SHACKLE. PAUL A. NOBLE, Providence, R. I. Filed Apr. 3, 1922. Serial No. 548,910. 4 Claims. (Cl. 267—54.)



1. A shackle structure for vehicle-suspensions comprising a pair of opposite shackle links with an integral stud projecting from one link and adapted to be inserted through the bore of an integral sleeve projecting from the other link.

1,538,649. BOX MEMBER AND BLANK THEREFOR. ZACHARIAS S. OPPENHEIMER, New York, N. Y. Filed Aug. 22, 1924. Serial No. 733,541. 1 Claim. (Cl. 229—49.)

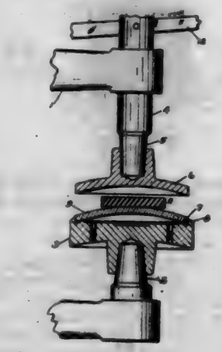


A box member comprising a blank which includes longitudinal and lateral flanges, longitudinal and lateral flaps on said flanges, and tongues at the ends of the longitudinal flanges, the corners of the blank having recesses; and reinforcing strips cemented to the inner sides of the longitudinal flanges and the tongues, the longitudinal flaps being folded and cemented to the longitudinal flanges and to surfaces of the reinforcing strips, the tongues being bent inward so that the reinforcing strips are bent into angular form, the transverse flanges being upward against the tongues, and the transverse flaps being folded inward and cemented to the transverse flanges and the reinforcing strips, said strips being characterized by the fact that each strip is a flattened laminated tube having surface layers contacting with the cement along their entire length, and intermediate layers covered by the surface layers, so that the intermediate layers are not rendered brittle by the cement and are free from each other and from the surface layers.

1,538,650. SODA-LIME COMPOSITION OF MATTER USEFUL AS A GAS ABSORBENT. WILLIAM PEACOCK and Daniel Gray, Oneida, N. Y., assignors of one-half to Chester M. Woolworth, Philadelphia, Pa. Filed Jan. 6, 1923. Serial No. 611,157. 2 Claims. (Cl. 252—2.)

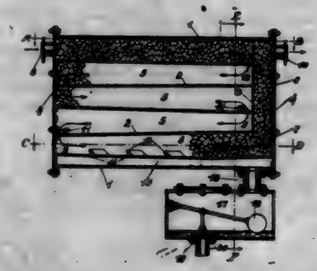
1. The herein described new composition of matter comprising a mixture of sodium hydroxide, calcium oxide, and a base metal sulphate, the same adapted to absorb hydrogen sulphide from the air and to convert the same into a metal sulphide.

1,538,651. LENS BLOCKING. ARTHUR PELLOW, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed July 17, 1919. Serial No. 311,406. 1 Claim. (Cl. 51—278.)



The process of blocking lenses consisting in heating the lens and lens block, supporting the lens, on the face which is to be subsequently ground, placing a piece of heat softenable adhesive on the opposite face of the lens, the said adhesive having a smaller diameter than either the block or the lens, and then bringing the heated block into engagement with the said adhesive whereby to soften the adhesive and to cause extrusion thereof so as to unite the parts in predetermined relation.

1,538,652. DEVICE FOR SEPARATING WATER FROM COMPRESSED AIR IN MOTION. RICHARD POTH, Dortmund, Germany. Filed Jan. 7, 1921. Serial No. 435,778. 11 Claims. (Cl. 183—122.)

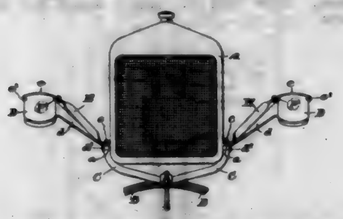


1. A device for separating water from compressed-air in motion comprising a casing, means for introducing the moist compressed-air into said casing, a packing consisting of a mass of particles of sharp-edged practically non-porous material contained in said casing, such material being practically impervious to air adapted to separate the water from said inflowing moist compressed air, means for leading off the dried compressed air, and a collecting-chamber for said separated water.

1,538,653. FENDER BRACE. RASMUS RASMUSSEN, Pontiac, Ill. Filed Dec. 10, 1923. Serial No. 679,707. 1 Claim. (Cl. 280—152.)

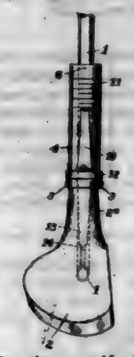
In a vehicle having the usual frame, wheel fenders, and a radiator secured to the vehicle frame by bolts, a fender brace comprising an outer part extending over

the top of the fender formed with a hooked outer end engaging the outer end of the fender, a foot portion secured to the vehicle frame by one of the bolts which



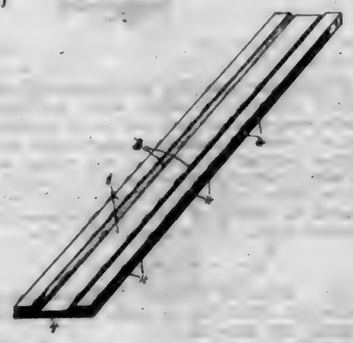
secures the radiator thereto, and a clamp member carried by the upper part of the brace and engaging the inner edge of the fender.

1,538,654. GOLF CLUB. MILTON B. REACH, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Feb. 7, 1924. Serial No. 691,234. 7 Claims. (Cl. 265—21.)



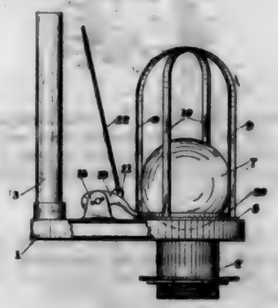
1. In combination in a golf club, a shaft, a head slidably mounted thereon and having a scale bearing portion, an index, means between the shaft and index to restrain the latter from downward movement with the head and scale, said index engaging and moving upwardly with the head and scale on their return to normal position, and means for returning the head and scale to said normal position.

1,538,655. NOISELESS WINDOW GUIDE. GEORGE ALLEN REYNOLDS, Jr., Binghampton, N. Y. Filed June 16, 1922. Serial No. 568,736. 1 Claim. (Cl. 296—44.5.)



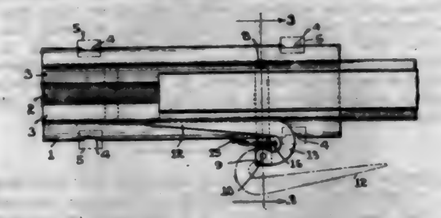
In a noiseless window guide, an elongated strip of felt having transversely spaced lengthwise grooves in one side between its opposite longitudinal edges, said felt strip having incorporated therein bendable wires extending transversely of and beyond the grooves in longitudinally spaced relation, the opposite longitudinal edges of the strip with the wire therein being folded in one and the same direction along said grooves, the bendable wires serving to hold the longitudinal edges in their folded positions.

1,538,656. FLUSH VALVE. GEORGE E. RICHARDSON, Colebrook, N. H. Filed Aug. 3, 1922. Serial No. 579,514. 1 Claim. (Cl. 4—57.)



In a flush valve, a base plate having an outlet therein, a recess extending about the outlet, a tubular washer arranged within said recess and forming a seat for a valve, a spherical valve of a diameter greater than the diameter of said valve seat and adapted to rest upon said tubular washer, a lever pivoted to the upper side of the base plate and provided on its free end with a ring extending above the valve seat but below the horizontal plane of the center of the spherical valve, and encircling the lower portion of said valve, the interior diameter of said ring being greater than the outer diameter of the tubular washer, means for moving the lever to displace the valve from its seat, and means for limiting the upward movement of the spherical valve when displaced from its seat comprising a ring provided with keyhole slots and having U shaped strips secured thereto, the base plate being provided with headed pins adapted to enter the enlarged portions of the keyhole slots, and a locking means attached to the ring comprising a pivoted member provided with a recess adapted to encircle said headed pin against disengagement.

1,538,657. RAIL JOINT. ALVA M. RIDDLE, Alexander, W. Va. Filed Oct. 21, 1924. Serial No. 744,928. 5 Claims. (Cl. 238—205.)



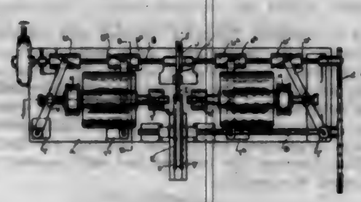
1. The combination with a rail chair having vertical sides, of a bolt passing transversely through the chair and through a rail mounted therein and being threaded into the opposite side of the chair, and means pivotally carried by the bolt at its head end and locked in conjunction therewith and lying normally in a position parallel with the chair when locked, thereby preventing the removal of the bolt.

1,538,658. FISHING BAIT. VINCENT R. BINDT, Winter, Wis. Filed May 14, 1924. Serial No. 713,853. 13 Claims. (Cl. 43—43.)



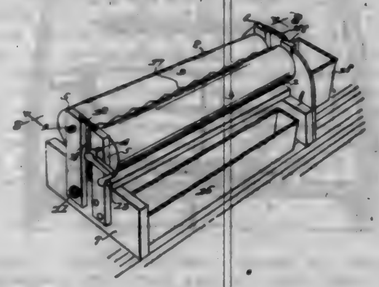
5. The combination with a fishing lure, a fishing line, of rotatable spinners carried by said lure, of means for rotating said spinners during casting and trolling operations, said means comprising a rack, a gear connection between the rack and the spinners, a contractible coiled spring cooperating with the rack for normally maintaining the same in inner position, said fishing line being attached to the outer end of said rack.

1,538,659. MACHINE FOR MANUFACTURING STUDS, NIPPLES, AND SIMILAR ARTICLES. FREDERICK N. ROSS, Detroit, Mich. Filed Mar. 6, 1922. Serial No. 541,607. 12 Claims. (Cl. 82—2.)



1. The combination of means for intermittently advancing a series of cylindrical blanks, of a clamp successively engageable with the central portion of said blanks, a slidable member secured to said clamp having a cam follower mounted thereon, a cam engaging said follower for intermittently actuating said clamp, and a pair of longitudinally reciprocable rotary tools axially aligned with the blank engaged by said clamp.

1,538,660. GRAIN SEPARATOR. ARTHUR W. SAGER, Horicon, Wis. Filed Oct. 24, 1923. Serial No. 670,545. 1 Claim. (Cl. 130—18.)



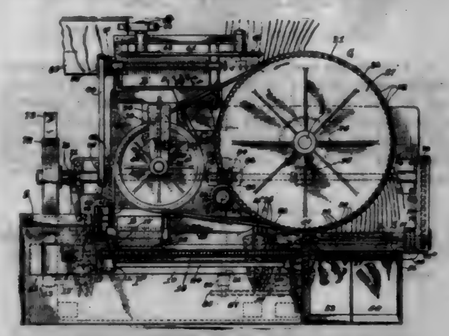
A device for the purpose indicated comprising cooperating complemental rollers in peripheral contact and disposed at an inclination to provide a downwardly inclined trough above the points of peripheral contact, means for rotating the rollers, and means for disposing grain kernels transversely of the rollers and consisting of a zig zag or serpentine wire supported above the points of peripheral contact within the rollers.

1,538,661. VEHICLE WHEEL. JOSEPH SALUS, St. Paul, Minn. Filed Aug. 31, 1923. Serial No. 660,846. 4 Claims. (Cl. 301—63.)



1. In a vehicle wheel a web comprising an inner and an outer disc, said discs secured together adjacent the wheel rim, said wheel rim having two oppositely arranged tire holding flanges, said inner disc formed integral with the entire corresponding tire flange, the outer flange formed in two sections, one section integral with the outer disc and the other section hingedly secured to the adjacent parts of said integral flange section and comprising an arched member with an integral arched plate adapted to be detachably secured to the inner disc, said arched member having apertures, the inner disc provided with fixed hook-shaped studs extending through the said apertures and locking devices engageable with said hooks for forcing and for holding the hinged member toward the inner disc and the tire.

1,538,662. TOBACCO-STEMMING MACHINE. FREDERICK C. SCHOFIELD, Lynchburg, Va., assignor to United Cigarette Machine Co., Inc., Lynchburg, Va., a Corporation of Virginia. Filed Jan. 27, 1922. Serial No. 532,182. 27 Claims. (Cl. 131—57.)

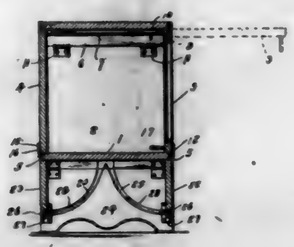


26. In a device of the class described means to move tobacco leaves laterally and longitudinally in succession, and a succession of flexible cutting blades engaging the leaves at opposite sides of the stem and cutting in the opposite direction to their longitudinal movement.

1,538,663. FOLDING BOOKCASE. HARVEY C. SLAUGHTER, and BERT D. JONES, San Marcos, Tex. Filed Aug. 28, 1923. Serial No. 659,789. 3 Claims. (Cl. 45—78.)

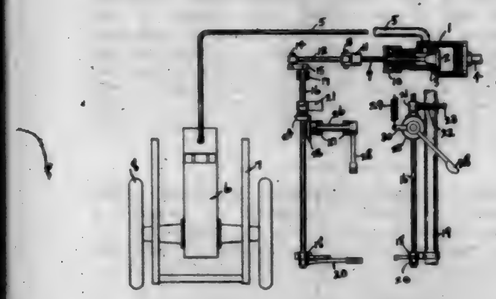
1. In a device of the character specified, a top, battens rigid with and depending at opposite ends of the top, in-

wardly folding sides hinged to the battens and provided upon their inner sides with arcuate grooves, a front and a back hinged to the top and foldable against the



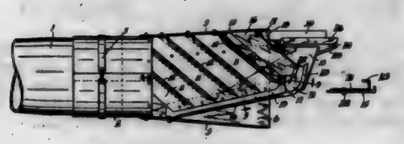
underside thereof, and studs projecting outwardly from the lower corners of the front and back, and entering said arcuate grooves.

1,538,664. THROTTLE CONTROL FOR STEAM AUTOMOBILES. LEWIS L. SCOTT, St. Louis, Mo. Filed Aug. 5, 1921. Serial No. 490,064. 5 Claims. (Cl. 251—133.)



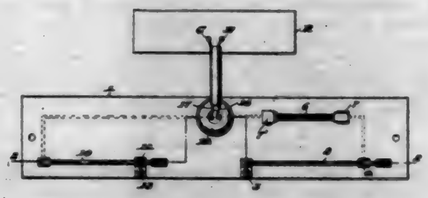
1. A valve for controlling the flow of steam to a steam engine, comprising a valve casing, a valve therein subject to the pressure of the steam, a manually-operated device associated with said valve for opening and closing the same, and means located exteriorly of said casing and associated with said opening and closing device for balancing said valve against the steam pressure.

1,538,665. GRAIN-SAVING ATTACHMENT. GEORGE M. SINCLAIR, Timmer, N. Dak. Filed July 30, 1923. Serial No. 654,519. 13 Claims. (Cl. 130—17.)



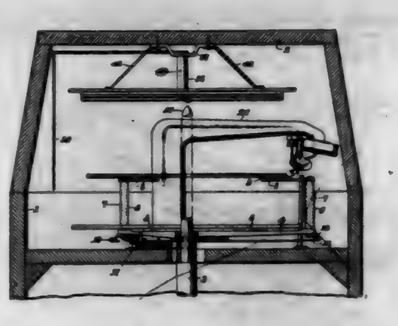
1. A grain saving device comprising a conduit adapted to be attached in communication with a discharge tube of a pneumatic stacker, said conduit having a floor inclined upwardly at an angle to the axis of said tube and against which the discharged material is projected, a plurality of baffle deflecting means extending diagonally across said floor adapted to intercept and direct the grain to one side thereof, and grain directing and collecting means co-operating therewith.

1,538,666. ELECTRIC SWITCH. CHARLES MAXWELL SMALL, New York, N. Y. Filed July 8, 1924. Serial No. 724,798. 9 Claims. (Cl. 250—16.)



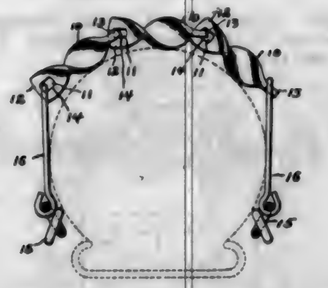
1. In a combined lightning arrester and switch, the combination with the antenna of a radio receiving set and a receiver, of a member electrically connected to ground, and a switch for making the sole electrical connection between the antenna and said member when the receiver is inoperative, a second switch independent of said first mentioned switch for making an electrical connection between the receiver and said member when the receiver is operative.

1,538,667. RECORD-CHANGING MECHANISM FOR PHONOGRAPHS. BLANCHARD D. SMITH, Lagrange, Ga., assignor of one-half to John Audley Grant, Atlanta, Ga.; one-sixth to G. Fred W. Martin, New York, N. Y.; and one-sixth to Ray B. Whitman, Bridgeport, Conn. Filed Nov. 12, 1921. Serial No. 514,760. 13 Claims. (Cl. 274—10.)



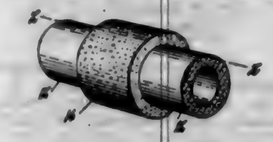
1. In a device of the class described, the combination of a rotatable support for used records, vertical sleeves carried thereby, rotatable rods in said sleeves, arms carried by the upper ends of said rods and normally constituting a support for the record that is being played, and means for automatically rotating said rods and thereafter swinging said arms from under the record to permit it to drop upon the first named support.

1,538,668. TIRE CHAIN. FRANK A. SMITH, Union City, Conn. Filed July 10, 1923. Serial No. 650,691. 3 Claims. (Cl. 152—14.)



1. Cross chains for a tire chain composed of a plurality of solid links of helical form, having openings at the opposite ends thereof and joined together so that the outer spiral edge of one link at the end of the link are at substantially a right angle to the similar edges of the adjacent link and intersect each other.

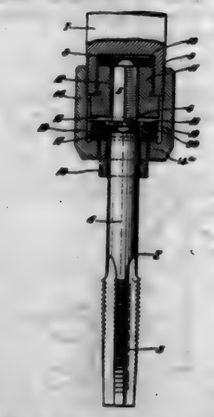
1,538,669. SUBSOIL TILE LINE. WILLIAM R. SMITH, Buffalo, N. Y. Filed Feb. 2, 1924. Serial No. 690,317. 1 Claim. (Cl. 61—10.)



As an article of manufacture a tubular porous coupling sleeve having relatively thin end portions of maximum internal diameter, the inner surfaces of said portions forming the walls of sockets adapted to receive and closely fit the peripheries of two aligned tubular tiles, and a thicker central portion of a smaller internal diameter, the ends of said thicker portion forming the inner ends of said sockets and being adapted to closely fit the end faces of said tiles, so that the internal surfaces of the end portions and the ends of the thicker portion are adapted to cooperate with the peripheral portions and end faces of the tiles in forming angular joints, the sleeve being characterized by the fact that its wall is uniformly imperforate and uniformly porous so that the said wall and the said angular joints are impervious by roots, and the thickened portion of the sleeve is adapted to space the tile ends apart and permit the seepage of water between said ends.

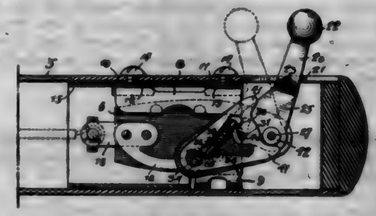
1,538,670. TOOL HOLDER. JOSEPH W. STANLEY, Johnstown, Pa. Filed Feb. 26, 1923. Serial No. 621,348. 8 Claims. (Cl. 10—134.)

1. The combination with a nut tapping tool having a tapping head on its lower end, a squared upper end adapted to be gripped in a holder, and a cylindrical shank portion of less diameter than said tapping head, said shank portion being provided with an annular concave groove adjacent its upper end, of a holder adapted to receive the squared upper end of said tool and comprising a body portion, a split washer mounted in said body portion and provided with a rounded or convex inner wall adapted to be engaged in the groove in said shank to prevent accidental displacement of the tool, and



means for resiliently holding said washer in engagement with said tool, said tool being releasable by relative longitudinal movement between said tool and said washer.

1,538,671. ELECTRIC SWITCH. LUDWIG STENDAHL, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Apr. 22, 1920. Serial No. 375,765. 23 Claims. (Cl. 200—67.)



1. In an electric switch, a switch frame comprising parallel insulating side plates, brackets extending between said plates to space the same apart, pivot means independent of the brackets and extending between said side plates and switch mechanism mounted on said pivot means between the side plates.

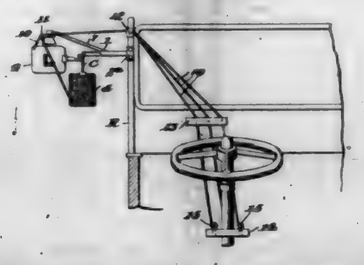
1,538,672. GUARD RAIL. HENRY C. STIFF, Johnstown, Pa. Filed Feb. 7, 1925. Serial No. 7,652. 2 Claims. (Cl. 238—19.)



1. A one-piece guard rail comprising a base flange having track rail supporting feet projecting outwardly from one side thereof and rib supporting projections extending outwardly from the other side thereof, a vertical web portion extending upwardly from said flange, a head portion formed on the upper edge of said web, vertically disposed upwardly inclined reinforcing ribs formed integral with said rib supporting projections and said web, rail spacing and securing ribs formed integral with said

base flange and said web at points opposite said reinforcing ribs, and a foot guard adjacent each end of said guard rail, said guards being formed integral with said web portion and extending outwardly from said web portion a sufficient distance so as to normally underlie the head of the track rail.

1,538,673. DIRECTION SIGNAL. DOMINICK MCDONNELL SUSI, Pittsfield, Me. Filed Feb. 2, 1925. Serial No. 6,364. 3 Claims. (Cl. 116—53.)



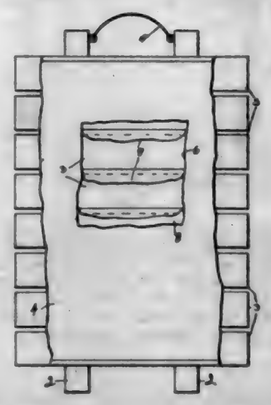
1. A direction indicator comprising a bracket to be attached to a suitable portion of a vehicle, a plurality of signal arms pivotally mounted on the bracket and normally held in alined inoperative position with respect to the bracket, a substantially rigid extension projecting from said bracket and a light mounted on the free end of said extension to lie adjacent said signal arms when moved to operative signaling position, and means for operating said signaling arms comprising flexible elements connected to each of said signal arms, respectively, and extended over guide means on the free end of said substantially rigid extension of the bracket to terminate within the vehicle adjacent the driver's seat, whereby said flexible members may be selectively operated to give the desired signal.

1,538,674. MUSIC STAND. EDWARD THIMGREN, Popotla, Mexico. Filed Apr. 24, 1924. Serial No. 708,709. 6 Claims. (Cl. 40—28.)



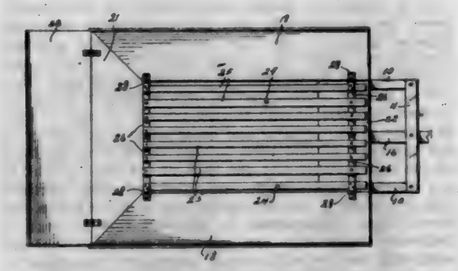
1. In a music stand, a frame, spaced rolls carrying a music sheet journalled on the frame, means for selectively rotating the rolls in reverse directions, said means including a shaft journalled at the lower end of the frame, a gear journalled on the shaft, pawl and ratchet mechanism for locking the gear to the shaft for effecting rotation of the shaft in one direction, a shaft supported rack segment associated with the gear, treadle mechanism for operating the rack segment and belt and pulley connections between the music rolls and gear supporting shaft.

1,538,675. SIGN. WILLIAM ZINGER, Philadelphia, Pa. Filed Sept. 6, 1924. Serial No. 736,198. 7 Claims. (Cl. 35—17.)



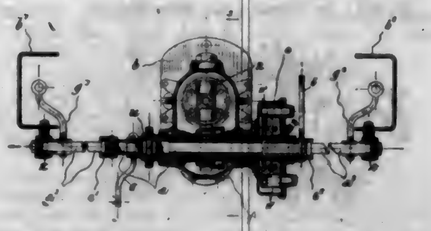
1. A sign comprising a plaster wall section provided with an aperture wherein is represented the formation of the back of a plaster wall.

1,538,676. GRAIN-SAVING ACCESSORY FOR THRASHING MACHINES. LORENZO W. BELL, Carrollton, Mo., assignor of one-half to William H. Gatlin, Carrollton, Mo. Filed July 29, 1924. Serial No. 728,948. 1 Claim. (Cl. 130—19.)



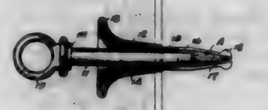
A grain saving accessory for thrashing machines comprising a relatively deep body having sides and ends, the body at the upper ends of the two sides and one end thereof having inclined extensions at such sides and end combining to form a hopper, braces extending transversely of the body adjacent opposite ends thereof and adjacent the upper ends of the walls thereof and racks pivotally connected to the upper end of the side walls of the body and swingable to a position closing the open top of the body to the entrance of straw but permitting the passage of grain therethrough and in which they are supported by said braces or to a position where they are supported by the sides of said hopper and permit access to the interior of the body.

1,538,677. VEHICLE-BRAKE-OPERATING DEVICE. MARC BIRKIOT, Bois Colombes, France. Filed Jan. 10, 1921. Serial No. 436,276. 2 Claims. (Cl. 188—140.)



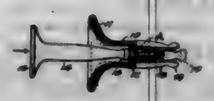
1. In combination with a vehicle brake, an operating device therefor, comprising a shaft divided into sections connected by flexible joints, certain of said sections being pivoted to the framework of the vehicle, means connecting said sections to the braking device and means for angularly displacing one of said sections relative to the others.

1,538,678. SUPPOSITORY INJECTOR. JOSEPH S. BLINN, New Haven, Conn. Filed Feb. 24, 1923. Serial No. 620,996. 3 Claims. (Cl. 128—264.)



1. As a new article of manufacture, a suppository injector comprising a cylinder, a flaring bell mouth on said cylinder at the rear end said bell mouth at its rear end constituting a stop flange to limit the inward movement of the injector into the cavity, a tapered tip on said cylinder comprising a plurality of resilient elongated members, the forward ends of said fingers having enlarged laterally protuberant front ends presenting longitudinally rounded external surfaces to give an approximate ball formation to the front end of the injector, and a plunger adapted to be inserted into the cylinder through the said bell mouth for forcing a suppository through the resilient members.

1,538,679. SUPPOSITORY INJECTOR. JOSEPH SYLVESTER BLINN, New Haven, Conn. Filed May 8, 1923. Serial No. 637,548. 2 Claims. (Cl. 128—264.)



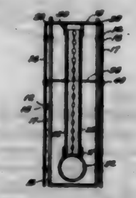
1. As a new article of manufacture, an injector comprising a tubular body having longitudinally disposed fingers at the front end, and a plunger adapted to be inserted in said body for forcing a suppository through said body, said plunger having a shank of transverse dimensions to cause engagement thereof with said fingers and hold the fingers spread when the plunger is in position in the body.

1,538,680. AUGER. GIUSTO BOGORO, Royalton, Ill. Filed Oct. 4, 1923. Serial No. 666,640. 1 Claim. (Cl. 145—128.)



An auger of the class described having a head connected with its shank inclinedly arranged ribs on one face of the head, a bit inclinedly arranged on the other face of the head and means for adjustably holding the bit on the head.

1,538,681. WALL CONSTRUCTION. WILLIAM C. BUCKHOUT, Yonkers, N. Y. Filed May 3, 1923. Serial No. 636,499. 4 Claims. (Cl. 72—48.)



1. A wall structure including upright end posts, vertically spaced horizontal wires connected to the opposite sides of and stretched longitudinally between the end posts, foraminous strips of material secured to the wires to provide spaced parallel surface defining and reinforcing elements, permanent U-shaped braces arranged transversely between the strips and having a bight portion and vertical legs formed with corrugations on their outer sides for the reception of the horizontal wires, binding devices tying the leg corrugations, transverse braces engaging the free terminals of the legs to prevent spreading thereof, transverse tie elements having offset hooked terminals engageable in the interstices of the foraminous strips to brace the same against bulging and a plastic filling between said strips extending through the interstices thereof and coating the outer surfaces of the same.

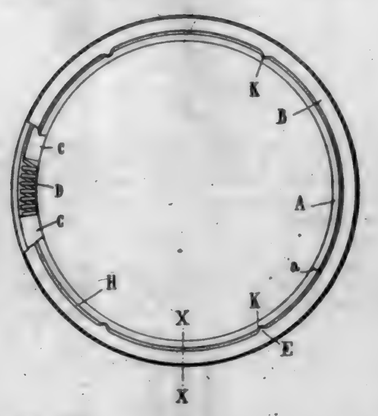
1,538,682. WRENCH. JOHN V. BUTTS, Sanders, Ky. Filed Mar. 18, 1924. Serial No. 700,116. 1 Claim. (Cl. 81—161.)



A wrench comprising a shank having longitudinally disposed relatively offset recesses in opposite sides thereof, rows of spaced teeth extending downwardly and longitudinally with the shank from opposite sides of an integral jaw adjacent the recesses, a transversely

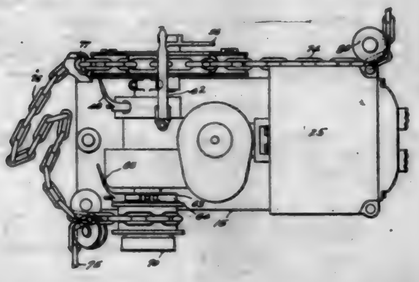
slotted inner sleeve having opposed guide grooves and slidingly receiving the opposite edges of the shank therein, a movable jaw carried by the inner sleeve, an outer rotatable sleeve received on the inner sleeve and having inwardly extending oppositely disposed lugs received in the slots and interposed between the teeth, and spring means included in the rotatable sleeve for engagement with the inner sleeve to hold the same against accidental displacement.

1,538,683. PISTON RING. PETER CAMPBELL and WILLIAM JAMES BANKS, Bristol, England. Filed Aug. 4, 1923. Serial No. 655,763. 1 Claim. (Cl. 74—109.)



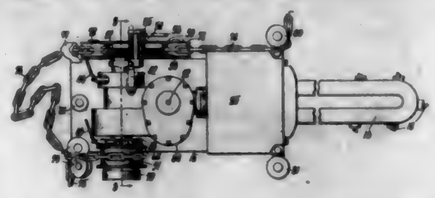
A split packing ring for the piston of a steam engine, pump or the like having a shouldered recess in combination with a restraining ring comprising a solid annulus situated within said recess, transverse projections on the inner surface of the restraining ring that co-act with the shoulder of the recess, which projections have such a dimension that the wear automatically provides for the gradual expansion of the packing ring by means of the normal friction of the parts.

1,538,684. MINING MACHINE. FRANK CARTLIDGE, Terre Haute, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 5, 1916. Serial No. 101,687. 141 Claims. (Cl. 262—30.)



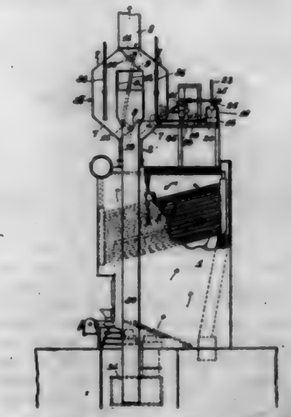
1. The combination with a mining machine, of feeding mechanism therefor comprising a driving motor, a shaft, a variable speed connection between said motor and said shaft, two drums driven from said shaft, and a variable speed connection between said shaft and one of said drums.

1,538,685. MINING MACHINE. FRANK CARTLIDGE, Cincinnati, Ohio, assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Original application filed June 5, 1916, Serial No. 101,687. Divided and this application filed June 25, 1924. Serial No. 722,372. 81 Claims. (Cl. 262—30.)



1. In a mining machine, a frame, a projecting cutter carried thereby, a winding drum, a paying-out drum, and a tension member extending in a slack bight between the two drums and extending from the winding drum forward from the frame near the end toward the cutter and from the paying-out drum backward from the frame at a point farther from the cutter end, and means for operating said two drums so that the paying-out operation is slower than the winding operation.

1,538,686. AIR PREHEATER. WILLIAM T. CHAMBERLAIN, New York, N. Y. Filed May 31, 1924. Serial No. 717,077. 4 Claims. (Cl. 110—56.)



1. An air preheater, comprising a casing having a pair of passages therein with inlet and outlet flues communicating with both passages, valves at the ends of the casing adapted to connect the flues with either passage, the said casing having an air inlet between the passages at one end of the casing and an air outlet between the passages at the other end of the casing, and heating elements in said passages.

1,538,687. COARSE-GRINDING WHEEL FOR SURFACING STONE. ELIOT A. CHASE, Northfield, Vt. Filed Apr. 13, 1922. Serial No. 552,278. 8 Claims. (Cl. 51—209.)



1. A grinding wheel comprising a frame, means by which said frame may be rotated, and a plurality of grinding members mounted on said frame, said members having a series of closely adjacent ledges on their inner faces and said ledges being upwardly and rearwardly inclined to form pockets for the grinding abrasive.

1,538,688. SHOE-TONGUE HOLDER. LOUIS CHICOINE, Wilton, Me. Filed Jan. 2, 1925. Serial No. 215. 1 Claim. (Cl. 24—117.)

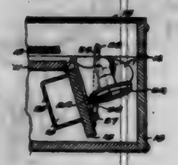


A shoe tongue supporting device of the character described comprising a hollow cylindrical member, open at both ends and having a curved annular flange extending from the upper periphery thereof, the lower periphery of the hollow cylindrical member being flared outwardly and terminating in a correspondingly shaped annular flange, the proportions of the annular flanges being embedded within the opposite sides of the shoe tongue adjacent the opening therein, and an inverted substantially U-shaped member secured to the upper annular flange at diametrically opposite sides thereof, and receiving the ends of shoe laces therethrough.

1,538,689. MANUFACTURE AND PRODUCTION OF THREADS, FILAMENTS, AND THE LIKE FROM VISCOSE. CHARLES FREDERICK CROSS, Lincolns Inn, England, assignor to Courtaulds Limited, London, England. Filed May 5, 1924. Serial No. 711,241. 3 Claims. (Cl. 18—54.)

1. A process for the production of threads, filaments and the like, from viscose, the said process comprising the step of extruding the viscose into a bath containing an alkali silicate in aqueous solution and thereby congulating the viscose.

1,538,690. PORTABLE PHONOGRAPH. SAUL DAVIDSON, New York, N. Y. Filed June 8, 1923. Serial No. 644,213. 2 Claims. (Cl. 274—2.)



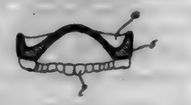
1. A portable phonograph, comprising a body having a hinged cover, a bed over which a turntable is mounted, a box-like member hinged to the bed and defining an amplifying chamber having an inlet opening and an outlet opening in its upper wall, a tone arm swiveled to the upper wall of said member and having communication with the inlet opening, and a connection between the cover and said box-like member operable upon closing of the cover to swing the member downward for disposing the tone arm below the plane of the turntable and functioning upon opening of the cover to swing the member upwardly to dispose its upper wall in a plane with the bed whereby to position the tone arm for cooperation with the turntable.

1,538,691. MANUFACTURE OF DENTAL PLATES. EDWARD L. DILLMAN, Jamaica, N. Y. Filed Sept. 15, 1924. Serial No. 737,889. 1 Claim. (Cl. 32—4.)

A mold for forming mineral dental plates and comprising a plurality of sections of a material having a higher fusing point than the material from which the plate is formed, and means for preventing a fusing of the mold material and the plate material, said means serving to bind the several sections of the mold together in operative relation and comprising a sheet of metallic foil adapted to envelope the several sections of the mold.

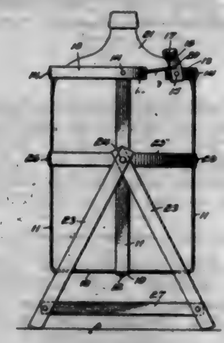


1,538,692. DENTAL PLATE. EDWARD L. DILLMAN, New York, N. Y. Filed Nov. 24, 1924. Serial No. 751,965. 2 Claims. (Cl. 32—4.)



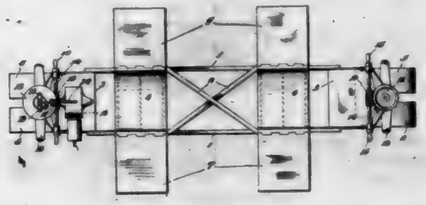
1. A dental plate comprising a metallic body portion, and a ceramic material fused to said body portion and completely enveloping the same.

1,538,693. CONTAINER RACK. HENRY F. GILBERT, Miami, Fla. Filed Jan. 6, 1922. Serial No. 527,347. 1 Claim. (Cl. 248—58.)



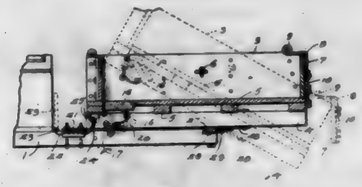
In a container support of the character described, a frame comprising a pair of vertically positioned U-shaped members positioned at right angles one with respect to the other, and secured together at their contacting lower portions, a circular band surrounding and connecting the members intermediate their ends, a split band surrounding and secured to the members at their upper ends, a curved lever member having one end pivotally secured to one end of said split band upon the outer side thereof, said curved lever member having a curve equal to the curve of the band to which it is attached and adapted when in one position to lie snugly against the outer surface of said split band, a curved link member having one end secured to the other end of the said split band and having its other end secured to the said lever inwardly of its pivotal point, said link and lever acting, when the lever is shifted from a vertical to a horizontal position to draw, through the action of the connecting link, the ends of the split ring toward one another to bend inwardly the upper ends of the said U-shaped members to secure a container within the said frame, and a base and pivot means for swingingly suspending the said frame in position.

1,538,694. TRUCK-TURNING APPARATUS. EDWARD C. GERDHILL, Galion, Ohio. Filed Mar. 12, 1924. Serial No. 698,696. 6 Claims. (Cl. 180—1.)



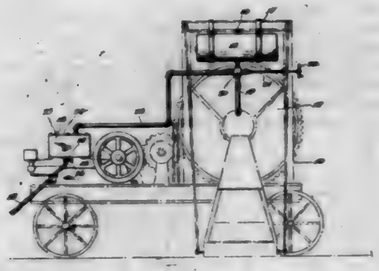
1. An apparatus for reversing a hauling truck comprising a wheel-supported frame, means for effecting travel of the frame, means for steering the frame during its travel, dished transverse platforms upon the frame to receive and hold the front wheels of a hauling truck, and runways carried upon the frame in alinement with the platforms and extending laterally from the frame.

1,538,695. DUMPING-WAGON BODY. ELMER E. GRABBS, Sandborn, Ind. Filed Nov. 28, 1923. Serial No. 677,446. 2 Claims. (Cl. 298—17.)



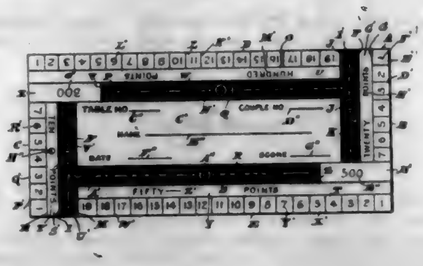
1. A wagon body pivotally mounted intermediate its ends to tilt and provided in the front portion of its bottom with a trap door to facilitate the tilting of the body by discharging a portion of the load therethrough, and a shaft mounted upon the body and having crank connection with the trap door to effect opening or closing thereof.

1,538,696. WATER-CIRCULATING SYSTEM FOR CONCRETE MIXERS AND ENGINES. OTA T. GRAHAM, Richmond, Va. Filed June 14, 1924. Serial No. 720,144. 6 Claims. (Cl. 83—73.)



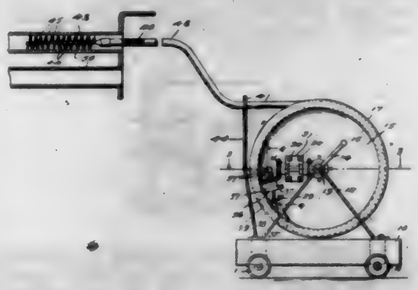
1. The combination with a concrete mixer having an engine for operating the same; of a water circulating system comprising a water jacket for the engine, a suitable connection from a source of cold water supply to said water jacket, means for conducting heated water from said water jacket to the concrete mixer and means for controlling the flow of heated water to the mixer.

1,538,697. SCORE CARD. HARRY ANTHONY HAGEN, East Dubuque, Ill. Filed Feb. 19, 1924. Serial No. 693,799. 6 Claims. (Cl. 283—49.)



1. A score card comprising a body portion having one face provided with means to constitute a value designated elongated points lost narrow scoring space and a row of points made narrow scoring spaces parallel to the points lost scoring space, said body portion further provided with means to form independent spaced value indications for the number of points lost or made, said indications common to the points lost scoring space and the row of points made scoring spaces to designate the score of a player when the points lost or made spaces are separately punched, the points lost scoring space being distinctive from that of the row of points made scoring spaces and of the same length as the length of said row.

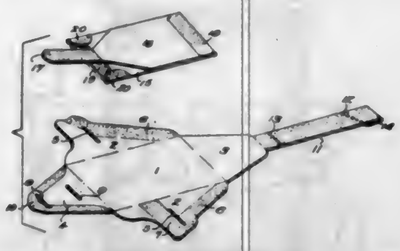
1,538,698. ROTARY FLUE CLEANER. MARCELLUS C. HALL, West Marion, S. C. Filed Aug. 25, 1923. Serial No. 659,341. 8 Claims. (Cl. 15—104.10.)



1. An apparatus of the class described having a flexible tool-operating shaft, a take up drum for said shaft, and driving means associated with the drum and operable to drive said shaft.

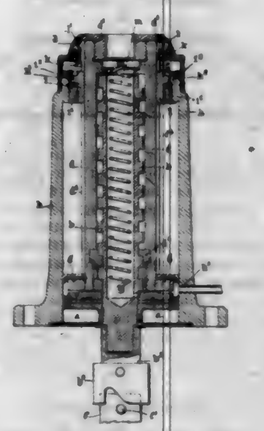
1,538,699. ENVELOPE. CHARLES G. HEATH, Hart, Mich. Filed May 12, 1922. Serial No. 560,401. 2 Claims. (Cl. 229—80.)

1. An envelope comprising a blank having side flaps, top and bottom flaps extending therefrom, the bottom flap being provided with a sealing tongue, the side flaps being provided with slots adapted to register when in folded position, the top flap being provided with a pair of slots, one of which is adapted to register with said first mentioned slots when the top is closed, said tongue being adapted to be passed outwardly through said registering slots and then into the envelope through the other slot, the tongue being provided with transversely extending rows of perforations, and an inner reenforcing



member adapted to be arranged in said envelope, said inner reenforcing member being provided with a tongue adapted to extend outwardly through one of said slots.

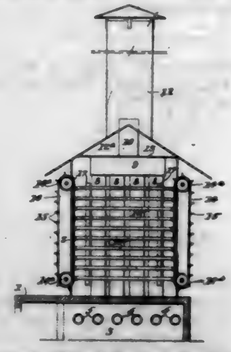
1,538,700. STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. NICOLAS HERSMARE, Paris, France. Filed Aug. 5, 1920. Serial No. 401,351. 8 Claims. (Cl. 121—37.)



1. A starting device for internal combustion engines and the like, comprising a rotatable member susceptible of slight longitudinal displacement, a screw secured to said member, a nut engaging said screw, a second member fast with said nut and longitudinally displaceable in a direction opposite to that of the first mentioned member, means for admitting compressed gases between said movable members, means for returning both members against one another, and means for coupling the rotatable and longitudinally displaceable member with the engine shaft.

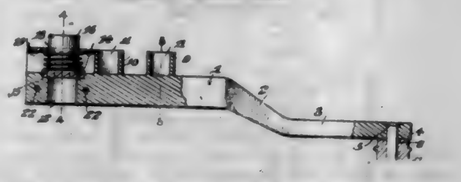
1,538,701. DRIER. ALPHEUS O. HURXTHAL and HENRY L. GALSON, Philadelphia, Pa., assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 15, 1924. Serial No. 743,714. 5 Claims. (Cl. 34—11.)

2. The combination in a drier, of a base; an air heating furnace therein; a drying chamber above the base; means, in said drying chamber, for supporting material to be dried; a series of vertical heating flues extending from the base through the drying chamber; a manifold at the upper end of said vertical flues; an exhaust flue communicating with the upper portion of the drying chamber; and a deflecting plate extending in the drying



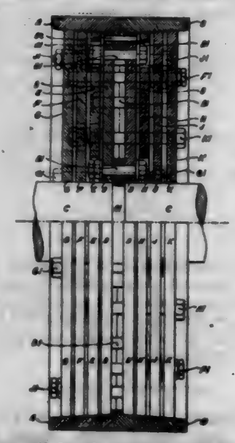
chamber at each side of the manifold, the exhaust flue terminating within the stack to cause an induced draft in the drying chamber.

1,538,702. RATCHET CRANK. JOHN A. JOHNSON, Pittsburg, Kans. Filed Nov. 1, 1924. Serial No. 747,354. 4 Claims. (Cl. 74—38.)



1. In a crank of the character set forth, a shank having an aperture through one end thereof, a handle, ratchet teeth formed flush in the face of said shank around the rim of said aperture, a ratchet coacting with said teeth, and a tubular sleeve carried by said ratchet in alignment with said passage.

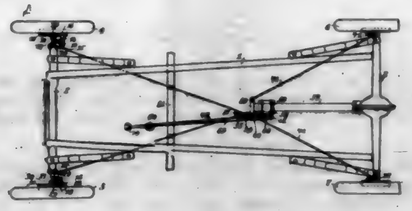
1,538,703. CRUSHING ROLL. GEORGE JOHNSTON, Manchester, England. Filed Mar. 14, 1923. Serial No. 625,060. 4 Claims. (Cl. 83—12.)



1. A built-up roll for the purposes set forth comprising two shells externally cylindrical and internally conical secured together coaxially, in combination with means

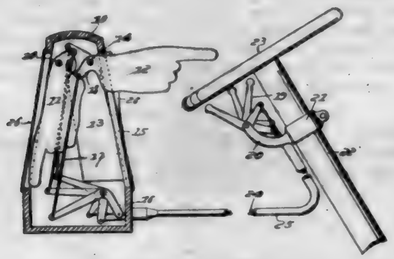
button hole, an elastic tape adapted to be arranged between the folds of the collar, a loop carried by one end of the tape and adapted to receive said button, a buckle arranged at the other end of the tape, a headed stud projecting from said buckle and adapted to be received by the second mentioned button hole at the side of the collar for the purpose specified.

1,538,714. FOUR-WHEEL-BRAKE MECHANISM. CLYDE J. MCNERNY, San Francisco, Calif. Filed Apr. 7, 1924. Serial No. 704,800. 5 Claims. (Cl. 188—10.)



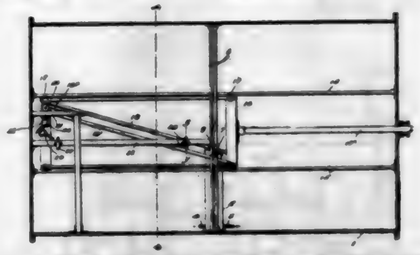
1. In a four-wheel brake mechanism for vehicles, a brake band applying device for each of the wheels of the vehicle, an operating member having its ends connected to the devices for the front wheels, a pair of operating members connected to the devices of the rear wheels, a pull lever having one end connected with the operating member for the front wheel devices, a pull lever connected to the operating members for the rear wheel devices, a pair of operating elements, one connected to that lever to which the operating members for the rear wheel devices are attached and the other of said elements connected to the other end of the pull lever to which the operating member for the front wheel devices is connected, and means for simultaneously operating said elements.

1,538,715. DIRECTION INDICATOR. JOHN A. MANN, Lockport, N. Y. Filed Sept. 17, 1921, Serial No. 501,321. Renewed Nov. 25, 1924. 1 Claim. (Cl. 116—53.)



A direction indicator having a casing adapted for support at the rear end of a car or vehicle, indicator members pivotally mounted within and housed by said casing for selective extension through slots in the walls thereof, bell-crank levers also mounted in the casing and respectively connected with said indicator members, and actuating levers arranged adjacent to the vehicle steering wheel and flexibly connected respectively with said bell-crank levers, the slots in the casing for the passage of said indicator members being provided with flexible guard flanges adapted for separation by the extension of said members.

1,538,716. AIR COMPRESSOR. WILLIAM L. MARTIN, Stamford, Tex. Filed Nov. 25, 1922. Serial No. 603,257. 5 Claims. (Cl. 230—27.)



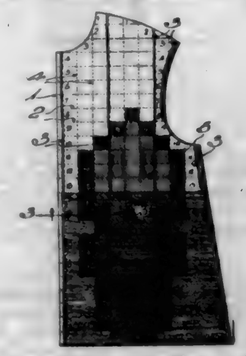
1. A device of the class described comprising a tank, a compressor therein having its inlet in communication with the atmosphere, a reciprocating member in the tank, means for reciprocating the same and means carried by said member for reciprocating the piston of the compressor.

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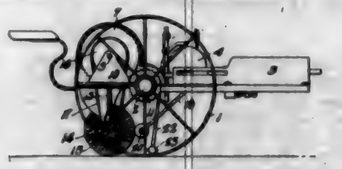
2. In a gun, a stock having a groove formed therein, an ammunition carrier adapted to be reciprocated on the groove, a U-shaped spring fastening clip adjustably secured to said stock, a resilient band secured to said clip and engaging said ammunition carrier, a U-shaped stop adapted to straddle said stock, eyes formed in said stop and adapted to encircle said spring on opposite sides of said carrier, a spring formed integral with said stop and adapted to enter into said stock, a V-shaped member pivoted to said stock, a link connected to said V-shaped member and to said band for moving said V-shaped member to a vertical position when said band is under tension, means for releasing said carrier, said means comprising a pivoted trigger mounted within said stock, a spring pressed latch adapted to be actuated by said trigger, and a dog formed on said latch and adapted to enter a recess formed in said carrier.

1,538,718. CROCHET PATTERN. EMMA BERNER MEHLEM, Chicago, Ill. Filed Sept. 22, 1924. Serial No. 739,221. 4 Claims. (Cl. 283—1.)



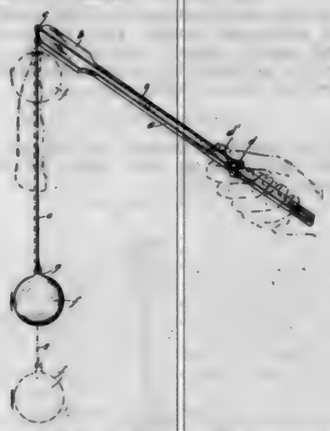
1. A crochet pattern comprising a backing sheet, parallel guide lines thereon, and rows of basting stitches engaged with said sheet and extending across said guide lines for the purpose set forth.

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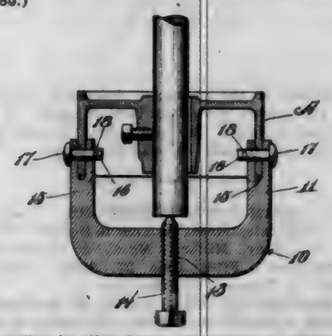
In a weed exterminator, a frame, wheels for said frame, a burner supported below the frame, a rotary brush supported below the frame and adapted to direct material toward the burner, said brush being located to the rear of said burner, and a roller engageable with the brush having its axis on substantially the same level as the axis of the brush and being disposed rearwardly of the burner.

1,538,720. COMBINED BAT AND BALL. WILLIAM H. MERCER, Portland, Oreg. Filed Aug. 28, 1923. Serial No. 659,756. 3 Claims. (Cl. 273—95.)



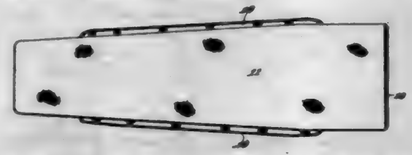
1. A toy consisting of a bat, a ring slidably mounted on the handle end of said bat, an elastic cord having one end fastened to said ring and its other end passing through an eye provided on the head of said bat, and a resilient ball to which the free end of said cord is attached.

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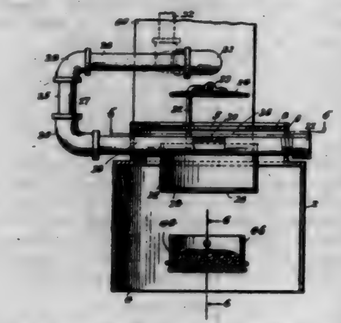
1. A puller for disk drums comprising a U-shaped body to provide parallel arms, the arms at their extremities being longitudinally slotted, the slots extending to the ends of the arms and the ends of the arms being transversely apertured, pins adapted to pass through the apertures, and a centrally disposed screw extending parallel to the arms and between the same.

1,538,722. IRONING-BOARD COVER. MARY E. MERRICK, Milford, Ind. Filed Apr. 28, 1924. Serial No. 709,645. 1 Claim. (Cl. 68—10.)



The combination with an ironing board, of a cover and a pocket secured to the cover, said pocket being open at the top and extending downwardly along the edge of the board.

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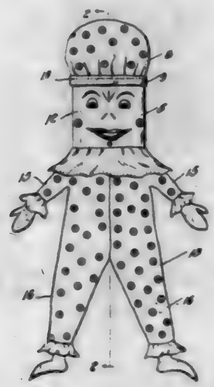
2. An oil burner of the class described comprising a cylindrical base member open at its bottom and having a head member formed on the top thereof, said head member having a central circular opening therein, a draft check member centrally supported in the upper portion of said base member below the head, said draft check member being cup-shaped in design and having a central opening in its bottom concentric with the opening in the top of the head, a fuel supply pipe, a vaporizing pipe connected to the latter and extending diametrically through the head of said base member, said vaporizing pipe having a jet formed in the top thereof concentric with the aforesaid openings, the portion of the device surrounded by said head member above the vapor pipe constituting a generating chamber, a starting member including a cup-shaped receptacle pivotally supported within said base member adjacent the bottom thereof and a handle for manually actuating the same, and a flame deflector supported above the head of the base member adapted for position over the opening in the top thereof, as and for the purposes described.

1,538,724. SURFACING ATTACHMENT FOR CULTIVATORS. HENRY H. MILLS, Maynard, Minn. Filed May 25, 1922. Serial No. 563,602. 2 Claims. (Cl. 97—144.1.)

1. A ground leveling attachment for cultivators of the type which include a draw-bar having a depending shovel shank provided with a reduced lower end, said attachment including a vertical attaching shank, a pair of horizontal blades pivotally connected at their forward ends to the lower end thereof for relative lateral swinging movement, said blades having vertical spaced openings

for securing the roll upon a shaft and means for internally reinforcing the shells comprising a series of pairs of annular discs counterpartly conical on their peripheries and drawn together in pairs.

1,538,704. BOUNCING TOY. ANSEL R. KAY, Davenport, Iowa. Filed June 30, 1923. Serial No. 648,712. 8 Claims. (Cl. 46—40.)



1. A toy having a resilient member to impart movement to the toy through impact, and said toy having a space in which said member travels to determine the landing position of the toy, the resiliency of said member being sufficient to be unaffected by the covering of the toy and to carry the toy into the air after impact.

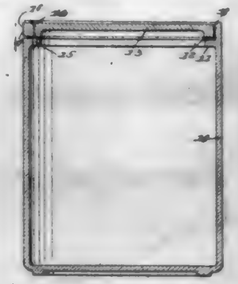
1,538,705. BELT CLAMP. CLYDE J. KENNEDY and CARL H. PRINCE, Newkirk, Okla.; said Prince assignor of his entire right to Cary R. Edmondson, County of Osage, Okla. Filed May 20, 1924. Serial No. 714,659. 1 Claim. (Cl. 24—31.)



A belt clamp consisting of a channeled body having its channel of dovetail shape and its wider end closed, wedges disposed in the channel and coacting with the inclined walls thereof to bind the ends of the belt together, the side walls of the body having outwardly extending flanges at their distal edges.

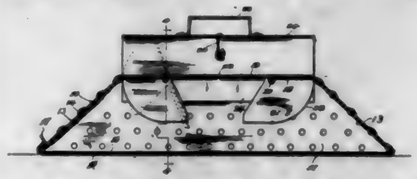
1,538,706. PACKING JAR. GEORGE H. KRAUSE, Zanesville, Ohio. Filed Feb. 1, 1923. Serial No. 616,330. 5 Claims. (Cl. 215—56.)

1. A packing or preserving jar having an annular seating ledge and a lid or cover for support by said ledge with an interposed cushioning gasket and adapted to be held in place by atmospheric pressure, said lid or cover being provided with an exteriorly accessible vent



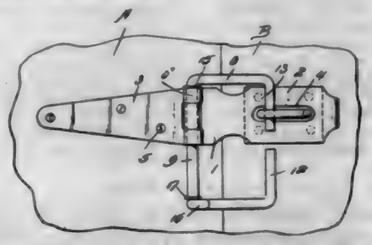
for the admission of atmospheric pressure and consisting of registrable perforations respectively in the lid or cover and said ledge.

1,538,707. ANIMAL TRAP. HENRY F. KRAUSE, Schulenburg, Tex. Filed Mar. 12, 1924. Serial No. 698,734. 1 Claim. (Cl. 43—69.)



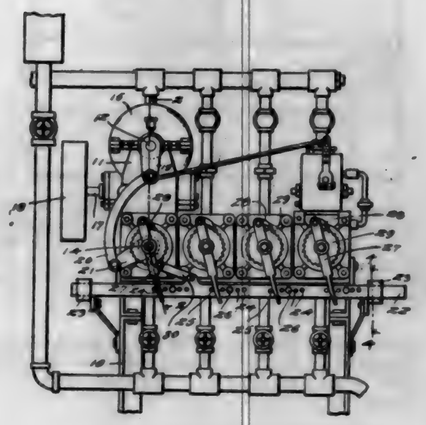
An animal trap comprising a base open at top and bottom, bridges extending from the top edges of the end walls of the base inwardly between the side walls thereof, a removable floor plate normally closing the bottom of the base, a tunnel secured on top of the base and having its side walls depending into the base through the bridges, doors hinged between their ends at the inner edges of the bridges, the outer portions of the doors normally resting on the bridges and the inner portions thereof normally closing the top of the base, wings depending from the sides of the outer portions of the doors and extending through the bridges immediately adjacent the side walls of the tunnel, and a bait holder in the tunnel.

1,538,708. HASP LOCK. ANDREW LANGE, Braddock, Pa. Filed Apr. 11, 1924. Serial No. 705,908. 4 Claims. (Cl. 292—281.)



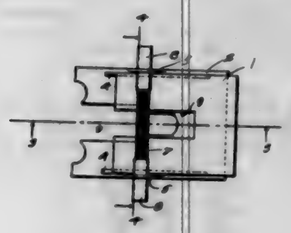
1. A fastening of the class described comprising a hasp, including front and rear portions, the rear portion being adapted to be secured to a door, the front portion having a lock formed therein for detachable engagement with a staple secured to the frame for said door, and a lock forming a hinge connection for the front and rear portions of said hasp and adapted for engagement with said staple.

1,538,709. STOKER-VALVE-OPERATING MECHANISM. WILLIAM J. LAPWORTH, Pittsburg, Kans. Filed June 5, 1924. Serial No. 718,112. 5 Claims. (Cl. 110—104.)



1. Operating means for the valve mechanism of a mechanical stoker, the same embodying a slide bar, a ratchet wheel fast to each of the valve stems, a lever loose upon each of the valve stems and adapted to be actuated by means of the slide bar and provided with a pawl for co-operation with the teeth of the ratchet wheels and means carried by the slide bar relatively adjustable to admit of varying the operation of the several valves.

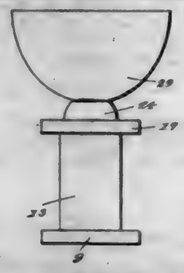
1,538,710. COIL-VIBRATOR FILING GAUGE. WALTER F. LUCAS, Brooklyn, N. Y. Filed May 18, 1924. Serial No. 713,037. 3 Claims. (Cl. 29—80.)



1. A device of the character and for the purposes specified, the same comprising upper and lower plates, a cooperating incline between the plates to effect vertical adjustment of the upper plate, and a file carried by the plates and directed in its movements thereby.

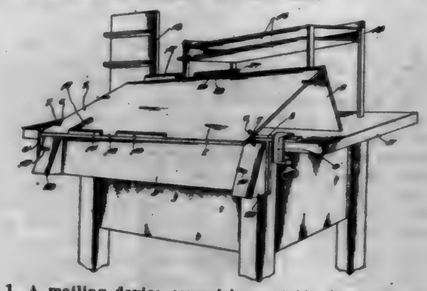
1,538,711. STONE STATUARY AND METHOD OF CONSTRUCTING SAME. ALLEN A. LYON, Belvidere, Ill. Filed May 25, 1923. Serial No. 641,461. 7 Claims. (Cl. 25—154.)

4. The method of forming a stand, comprising the sectional formation of a mold, studding the interior of said mold sections with ornamental particles, pouring plastic material into said mold sections to form the various portions of said stand, and assembling said mold-sections while the various sections of the stand



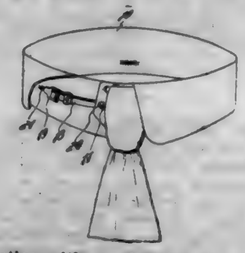
body are in a semi-plastic condition, and permitting said assembled mold sections to stand until the various portions of the stand have become united and hardened.

1,538,712. MAILING DEVICE. CHARLES E. MCCORMICK, Princeton, Ind. Filed July 27, 1923. Serial No. 654,208. 3 Claims. (Cl. 211—36.)



1. A mailing device comprising a table frame adapted to be clamped to a table, a body board, a plurality of edging strips carried by one face of said body board, a supporting board attached to the body board along one edge and extending transversely to the body board, said body board provided with notches extending inwardly from its end edges, pins carried by said table frame for engagement in said notches, substantially triangular shaped supporting blocks carried by said table frame, pins carried by said triangular supporting blocks, said body board provided with a second set of notches adapted to engage over the pins carried by said triangular shaped supporting blocks for supporting the body board in an envelope sealing position.

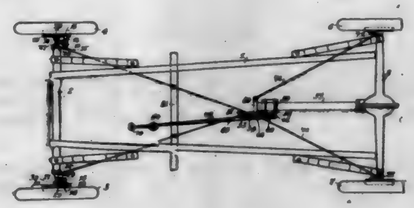
1,538,713. TIE HOLDER AND COLLAR FASTENER. WILLIAM MCMEANS, Scranton, Pa. Filed Oct. 31, 1923. Serial No. 672,002. 1 Claim. (Cl. 2—141.)



The combination with a collar having a button hole arranged adjacent one end thereof, and a button hole arranged at the side of the collar and in the inner fold thereof, of a button arranged in the first mentioned

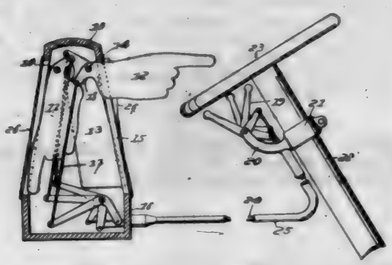
button hole, an elastic tape adapted to be arranged between the folds of the collar, a loop carried by one end of the tape and adapted to receive said button, a buckle arranged at the other end of the tape, a headed stud projecting from said buckle and adapted to be received by the second mentioned button hole at the side of the collar for the purpose specified.

1,538,714. FOUR-WHEEL-BRAKE MECHANISM. CLYDE J. MCNERNY, San Francisco, Calif. Filed Apr. 7, 1924. Serial No. 704,800. 5 Claims. (Cl. 188—10.)



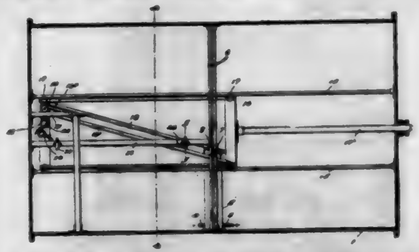
1. In a four-wheel brake mechanism for vehicles, a brake band applying device for each of the wheels of the vehicle, an operating member having its ends connected to the devices for the front wheels, a pair of operating members connected to the devices of the rear wheels, a pull lever having one end connected with the operating member for the front wheel devices, a pull lever connected to the operating members for the rear wheel devices, a pair of operating elements, one connected to that lever to which the operating members for the rear wheel devices are attached and the other of said elements connected to the other end of the pull lever to which the operating member for the front wheel devices is connected, and means for simultaneously operating said elements.

1,538,715. DIRECTION INDICATOR. JOHN A. MANN, Lockport, N. Y. Filed Sept. 17, 1921, Serial No. 501,321. Renewed Nov. 25, 1924. 1 Claim. (Cl. 116—63.)



A direction indicator having a casing adapted for support at the rear end of a car or vehicle, indicator members pivotally mounted within and housed by said casing for selective extension through slots in the walls thereof, bell-crank levers also mounted in the casing and respectively connected with said indicator members, and actuating levers arranged adjacent to the vehicle steering wheel and flexibly connected respectively with said bell-crank levers, the slots in the casing for the passage of said indicator members being provided with flexible guard flanges adapted for separation by the extension of said members.

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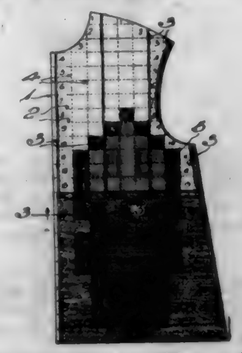
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2. In a gun, a stock having a groove formed therein, an ammunition carrier adapted to be reciprocated on the groove, a U-shaped spring fastening clip adjustably secured to said stock, a resilient band secured to said clip and engaging said ammunition carrier, a U-shaped stop adapted to straddle said stock, eyes formed in said stop and adapted to encircle said spring on opposite sides of said carrier, a spring formed integral with said stop and adapted to enter into said stock, a V-shaped member pivoted to said stock, a link connected to said V-shaped member and to said band for moving said V-shaped member to a vertical position when said band is under tension, means for releasing said carrier, said means comprising a pivoted trigger mounted within said stock, a spring pressed latch adapted to be actuated by said trigger, and a dog formed on said latch and adapted to enter a recess formed in said carrier.

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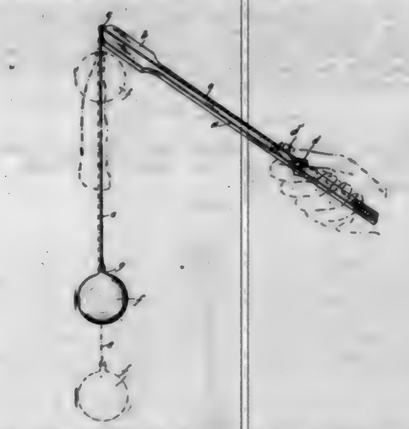
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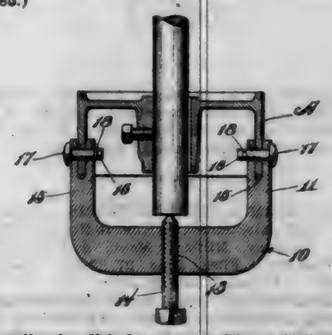
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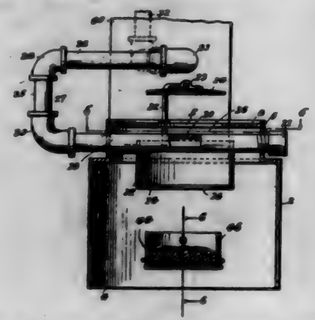
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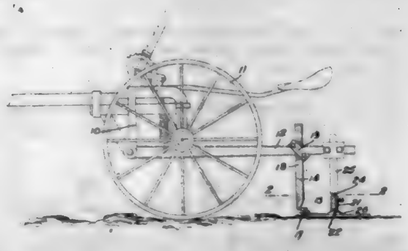


2. An oil burner of the class described comprising a cylindrical base member open at its bottom and having a head member formed on the top thereof, said head member having a central circular opening therein, a draft check member centrally supported in the upper portion of said base member below the head, said draft check member being cup-shaped in design and having a central opening in its bottom concentric with the opening in the top of the head, a fuel supply pipe, a vaporizing pipe connected to the latter and extending diametrically through the head of said base member, said vaporizing pipe having a jet formed in the top thereof concentric with the aforesaid openings, the portion of the device surrounded by said head member above the vapor pipe constituting a generating chamber, a starting member including a cup-shaped receptacle pivotally supported within said base member adjacent the bottom thereof and a handle for manually actuating the same, and a flame deflector supported above the head of the base member adapted for position over the opening in the top thereof, as and for the purposes described.

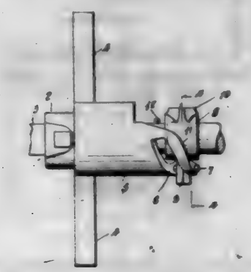
1,538,724. SURFACING ATTACHMENT FOR CULTIVATORS. HENRY H. MILLS, Maynard, Minn. Filed May 25, 1922. Serial No. 563,602. 2 Claims. (Cl. 97—144.1.)

1. A ground leveling attachment for cultivators of the type which include a draw-bar having a depending shovel shank provided with a reduced lower end, said attachment including a vertical attaching shank, a pair of horizontal blades pivotally connected at their forward ends to the lower end thereof for relative lateral swinging movement, said blades having vertical spaced openings

therein, a cross bar having slotted opposite ends adapted for registry with the openings in the blades, means adapted to extend through said slots and openings for adjustably connecting the blades in rearwardly diverging relation, and a socket member provided centrally on the upper side of the cross bar for receiving the reduced lower end of the shovel shank whereby to hold the blades at their rear ends against upward movement.

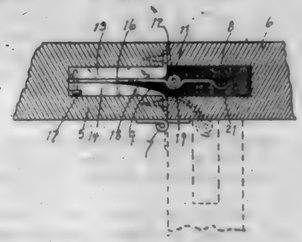


1,538,725. SAFETY STARTING CRANK. LOUIS T. MITCHELL, Licking, Mo. Filed May 12, 1924. Serial No. 712,802. 4 Claims. (Cl. 123—185.)



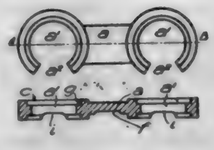
3. In a safety starting crank, a bearing for the shaft of said crank having an extension in which is formed a helical slot, a collar loosely mounted upon the shaft of the crank and having a ratchet connection therewith and formed with offstanding projections, the one operating in the helical slot and the other forming a stop to limit the outer clockwise movement of the crank when the engine back fires.

1,538,726. DOOR-RETAINING SPRING. EDWARD A. MORAN, Everett, Wash. Filed Mar. 7, 1924. Serial No. 697,661. 4 Claims. (Cl. 292—77.)



1. In a device of the character described a plurality of castings, a spring having one end interposed between said castings, one of said castings being curved, semi-circular portions formed in said spring at a point beyond the outer margin of said castings said semi-circular portions being spaced one from the other, substantially as and for the purpose specified.

1,538,727. DEVICE FOR THE REMOVAL OF INTERNAL-COMBUSTION ENGINE VALVES. GEORGE JAMES MORGAN and RICHARD MILLWARD MORGAN, Cefn Coed, near Merthyr Tydvil, Wales. Filed Dec. 12, 1922, Serial No. 606,537. Renewed Mar. 10, 1925. 3 Claims. (Cl. 29—86.3.)



1. A valve spring compressing device consisting of a pair of complemental separate plates adapted for superimposed insertion beneath the valve spring cups, said plates being so constructed that they may be pried apart by a separate tool or implement.

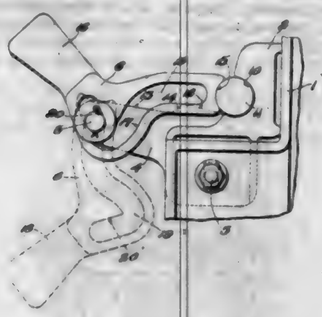
1,538,728. HOLDER. BETTIE ABELL MULLER, Tacoma, Wash. Filed July 10, 1924. Serial No. 725,300. 5 Claims. (Cl. 15—150.)



I. A holder of the character described, including a pair of jaws, each jaw comprising a group of wires, loops formed adjacent the upper ends of said groups, and a pivot pin passing through said loops.

1,538,729. BEAM LOCK FOR LOOMS. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed June 27, 1923. Serial No. 648,003. 7 Claims. (Cl. 64—10.)

1. A beam lock for looms having, in combination, a seat having a bracket and a bolt, the bolt and bracket having cooperating parts formed to force the front end of the bolt into locking position when the bolt is raised during a portion of the forward movement of the bolt,



and to force the bolt into locking position when the bolt is depressed during the latter part of its forward movement.

1,538,730. DEVICE FOR CONVERTING LIQUIDS INTO UNIFORM DROPS. ALBERT OBERSOHN, Berlin-Charlottenburg, WILHELM WACHTEL, Berlin, DANIEL SAKOM, Wiesbaden, and PAUL ASKENASY, Karlsruhe, Germany. Filed Aug. 7, 1924. Serial No. 730,783. 3 Claims. (Cl. 83—91.)



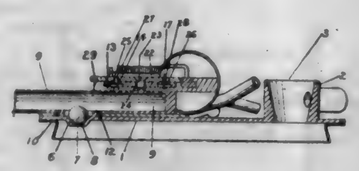
1. A device for converting liquids into uniform drops consisting of a container for the liquid having an opening in its bottom, and a pin passing through said opening of a predetermined diameter to permit the passage of the liquid therethrough at a predetermined rate, the lower end of said pin being cut off at substantially a right angle to present a drop-forming surface of predetermined area.

1,538,731. TEAT CUP FOR MILKING MACHINES. HENRY CLYDE ODEN, Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Filed July 28, 1919. Serial No. 313,885. 1 Claim. (Cl. 31—85.)



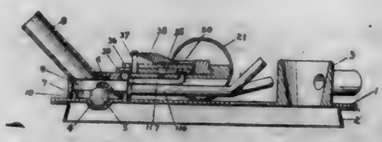
A teat cup comprising a removable transparent nipple bottom, an external shoulder on said bottom, an external rigid casing, an internal elastic cylinder fitting over said shoulder on said nipple bottom, an internal shoulder member positioned adjacent the lower end of said casing and adapted to engage said elastic cylinder, internal screw threads on the lower end of said member and an externally threaded plug adapted to be screwed into said internal threads so as to clamp said external shoulder and the elastic cylinder fitting thereover between said plug on one side and said internal shoulder on the other side.

1,538,732. MILKING MACHINE. HENRY CLYDE ODEN, Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Filed Aug. 14, 1919. Serial No. 317,418. 3 Claims. (Cl. 31—62.)



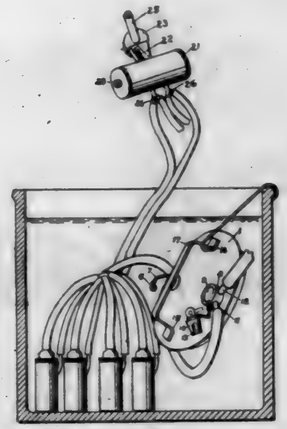
1. A pulsator for milking machines having conduits for attachment to pulsating teat cups comprising an element reciprocable by fluid pressure, one set of conduits for varying the fluid pressure in said element to effect reciprocation, another set of conduits for varying the fluid pressure in said pulsating teat cups, and controlling means for said sets of conduits, the controlling means for the pulsating cups being interposed between the main vacuum line and the means for controlling the varying of the fluid pressure to effect said reciprocation, so that any moisture leaking into said pulsator conduits will pass to the main vacuum line without reaching said reciprocable element.

1,538,733. MILKING MACHINE. HENRY CLYDE ODEN, Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Filed Aug. 27, 1919. Serial No. 320,096. 10 Claims. (Cl. 31—70.)



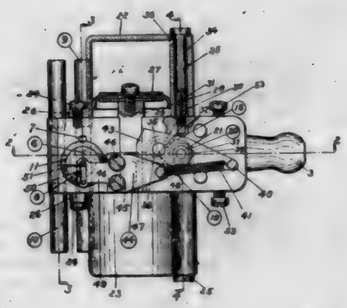
1. A milking machine of the type designed to supply vacuum to teat cups comprising a pulsator comprising an element reciprocable by the varying of the fluid pressure alternately at opposite ends thereof, conduits for effecting the subjection of the ends of said elements alternately at such variations, conduits for subjecting said teat cups to varying degrees of fluid pressure, conduits for connecting the teat cups to vacuum, and a single valve for rendering said conduits effective at proper times, said conduits and valve structure being so constructed that the respective connections when made between the vacuum and pulsator ends and between the vacuum and said teat cups lead to their proper points independently of each other.

1,538,734. MILKING-MACHINE APPARATUS. HENRY CLYDE ODEN, Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Filed Aug. 27, 1919. Serial No. 320,097. 2 Claims. (Cl. 31—58.)



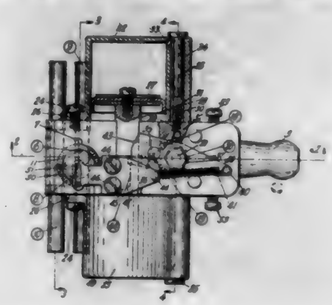
1. In milking machine apparatus, a milk pail cover comprising two separable parts, one part embodying the body of the cover, a check valve and a milk valve casing, and the other part embodying a pulsator, conduit structure, valve structure and the upper portion of the check valve casing, said two parts being separable as units from each other.

1,538,735. MILKING MACHINE. HENRY CLYDE ODEN, Syracuse, N. Y., assignor, by mesne assignments, to Pine Tree Milking Machine Company. Filed Mar. 10, 1921. Serial No. 451,252. 18 Claims. (Cl. 31—33.)



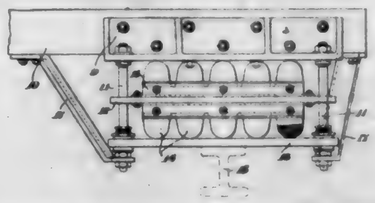
1. In a milking machine, a claw structure comprising a milk claw, and an air claw said milk and air claws being designed to interlock but to be capable of slight relative movement while so interlocked.

1,538,736. MILKING MACHINE. HENRY CLYDE ODEN, Columbus, Ohio, assignor to Pine Tree Milking Machine Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 10, 1921, Serial No. 451,252. Divided and this application filed Sept. 6, 1924. Serial No. 736,365. 21 Claims. (Cl. 31—70.)



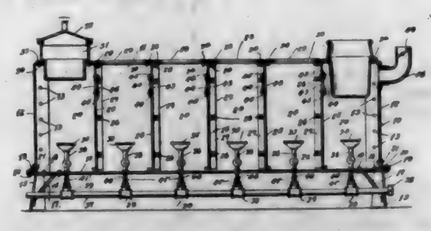
1. In a milking machine, a valve structure comprising a valve held to its seat by vacuum, and an operating arm supported at its front and rear by means independent of said valve and positioned above the valve seat.

1,538,737. SHOCK-ABSORBING DEVICE. PATRICK O'FLYNN, Pirbright, England. Filed Apr. 28, 1924. Serial No. 709,670. 5 Claims. (Cl. 267—63.)



1. A shock absorbing construction for vehicles including a relatively fixed member having guide means, a relatively movable member engaging said guide means, a floating member also engaging said guide means and arranged between said first named members, and resilient elements embraced by said floating means and constituting a spring buffer between said relatively fixed and movable members.

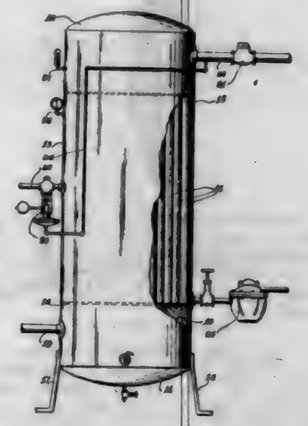
1,538,738. FOOD WARMER. ARTHUR S. OLDHAM, Miami, Okla. Filed Jan. 17, 1924. Serial No. 686,900. 3 Claims. (Cl. 126—39.)



1. A warmer for foods or the like having a casing, said casing being provided with vertical partitions affording individual warming compartments, containers, means to support the containers in positions depending into the compartments, individually controlled heating means

disposed in each compartment, and means associated with said partitions normally preventing communication between them operable to establish communication between each compartment and the remaining compartments.

1,538,739. PROCESS FOR DEHYDRATING OIL. HENRY FREDERIC OWEN, Maricopa, Calif. Filed Dec. 10, 1923. Serial No. 679,751. 10 Claims. (Cl. 196—5.)



8. The process of dehydrating oil which consists in continuously passing oil through a heater in a stream, characterized by confining said stream in a conduit, whirling said oil in said stream, transmitting heat to said stream, and separating the water from the oil.

1,538,740. BATH-SPONGE DEVICE. CARL PETERSEN, New York, N. Y. Filed May 17, 1924. Serial No. 714,086. 3 Claims. (Cl. 15—244.)



1. A bath sponge device, which includes a sponge, a layer of rubber formed on the upper portion of said sponge, a wire mesh embedded in the rubber layer, the ends of the wire extending beyond the rubber material, a plate covering the top of the sponge, and a flanged ring embracing the sides of the upper portion of the sponge, said ring having a groove therein in which the ends of the wire engage, the flange of the ring holding the plate on top of the sponge.

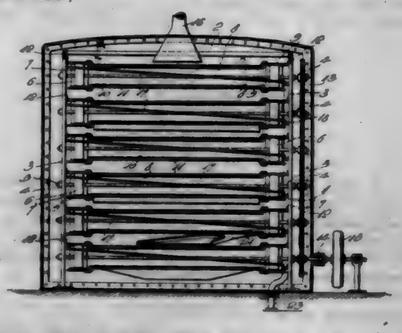
1,538,741. LATHERING DEVICE. GUST WILLIAM PETERSON, Long Beach, Calif. Filed Sept. 28, 1924. Serial No. 739,430. 2 Claims. (Cl. 15—135.)

1. A lather spreader and beard softener including an applicator of soft compressible material having an axial opening, a supporting plate on which said applicator is fixed, a pair of discs held by said plate, one of which discs has an axially projecting tube, and a valve member shiftable between said discs, the discs and said plate having register openings communicating between the said



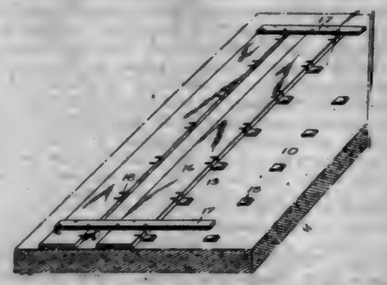
tube and the axial opening of the applicator and forming therewith a feed channel for which said valve acts as a cut-off.

1,538,742. SELF-CLEANING FILTER. JAMES ALBERT PRICE, Dallas, Tex., assignor to American Sulphur & Fertilizer Company, Inc., Dallas, Tex. Filed May 26, 1924. Serial No. 716,014. 3 Claims. (Cl. 210—198.)



3. In a filter, the combination of a pair of horizontally disposed shafts arranged in spaced parallel relation, pulleys fixed upon the ends of said shafts, belts passing around said pulleys, rigid strips secured adjacent their ends to said belts and extending between the same, the intermediate portions of said strips being offset inwardly, and a filtering apron secured to said strips.

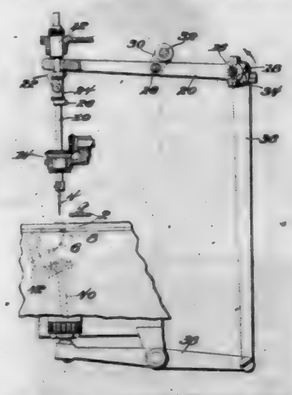
1,538,743. PROCESS FOR LAYING WOODEN FLOORS AND THE LIKE ON A CONCRETE BASE. CLYDE W. PRICKETT, Winterset, Iowa. Filed Feb. 27, 1922. Serial No. 539,701. 9 Claims. (Cl. 72—101.)



2. A process comprising the forming of a plastic base, inserting therein from above with a vertical movement stiff legs of preformed clips having sleeper engaging portions lying flat above the base and provided

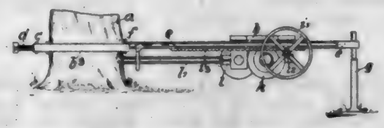
with a connecting piece, then using the base as a floor during further building operations, then bending portions of the clip to upright position, securing sleepers thereto and securing a wooden floor to the sleepers.

1,538,744. SEWING MACHINE. EUGENE J. RAY, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Continuation of application Ser. No. 187,194, filed Aug. 20, 1917. Patent No. 1,492,084, dated Apr. 29, 1924. This application filed Nov. 11, 1919. Serial No. 337,147. 6 Claims. (Cl. 112—157.)



1. A stitch forming mechanism having, in combination, a needle carrier, a lever, a link having one end pivoted to one end of the lever and the other end pivoted to the carrier for oscillating the carrier in unison with the end of the lever, a crank engaging the other end of the lever, and a shiftable fulcrum for the lever.

1,538,745. APPARATUS FOR PREPARING LIVING TREES FOR COLORING THE WOOD. OTTO REIMANN, Charlotteuburg, near Berlin, Germany. Filed Mar. 21, 1923. Serial No. 626,609. 1 Claim. (Cl. 144—92.)



The improved apparatus for coloring the wood of living trees, comprising in combination a square frame with a hinged member and two perforated adjacent fixed members, said frame being adapted to be tightened upon the trunk of the tree, clamping screws in said frame, a framework adapted to be connected with either of the perforated fixed members of said trunk frame and to be moved parallel with itself along said member, a carriage upon said framework, a plurality of parallel drills upon said carriage, a motor upon said carriage for driving said drills, and means for moving said carriage towards or away from the trunk of the tree.

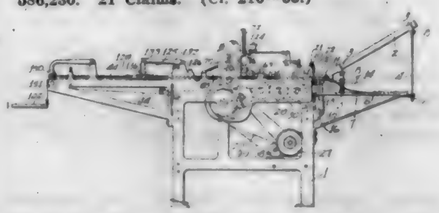
1,538,746. PLUMB BOB. CHARLES POWELL RENEAU, Tunica, Miss. Filed Apr. 27, 1923. Serial No. 635,121. 1 Claim. (Cl. 33—217.)

A plumb bob construction, which includes a stem, a head on the lower end of said stem and threads on the upper end of said stem, a tapered bob weight slidable on the stem and supported on the head, said weight having a shoulder on its upper surface, a shell having one end closed and apertured to embrace the stem, the open end of the shell resting on the weight, a plumb-line spool slidably and removably disposed within the shell around



the stem, a clamp nut engaging the threaded upper edge of the stem and bearing against the closed end of the shell to hold the shell, the spool and the weight on the stem, said nut having a key slot therein, and a swivel link attachably associated with said slot for the purpose set forth.

1,538,747. SEALING MACHINE. DONALD RICHARD ROBINSON, Chicago, Ill., assignor to Rose Mary Robinson, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,230. 21 Claims. (Cl. 216—55.)



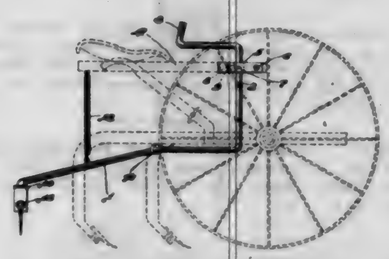
1. A feeding mechanism comprising endless belts, means for intermittently actuating said belts, adjustable rubber members adapted to be moved toward or away from said belts, and metal casings partially enclosing said members whereby a small portion of said members adjacent to the belts is left exposed.

1,538,748. OIL GAUGE. EDWIN HAROLD ROSENBLAD, San Francisco, Calif. Filed Sept. 9, 1922. Serial No. 587,115. 1 Claim. (Cl. 73—82.)



In combination with a crank case of an automobile engine, a hollow casting connected to said crank case, the interior of this casting having communication with the interior of said crank case, an indicator housing positioned in the floor of an automobile and adapted to be visible from the driver's seat, indicating means pivoted in said housing, a plurality of vertical grooves formed in the sides of said casting, a float mounted in said casting, lugs formed on said float and adapted to move in said grooves, a spiral rod extending through said float, said float having guide means therein adapted to rotate said rod when said float moves thereover, a vertical rod secured to the upper end of said spiral rod, a coiled wire secured to the upper end of said vertical rod, the opposite end of said wire being attached to said indicating means.

1,538,749. CULTIVATOR ATTACHMENT. HARLEY SCHOON, Glasford, Ill. Filed Mar. 6, 1922. Serial No. 541,524. 1 Claim. (Cl. 97—6.)



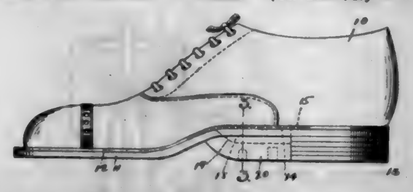
A plant uncovering attachment for cultivators comprising an attaching bar, an operating rod connected thereto, a cross rod attached to one end of said operating rod, couplings carried by said cross rod, rake heads carried by said couplings and including inverted U-shaped backs, tooth carrying rods rockably carried by said backs, inverted U-shaped teeth carried by said rods, and pressure plates adjustably connected to said rods and pressing against the bight portions of said teeth to hold them in place.

1,538,750. SPARK PLUG. SALVATORE SCOGNAMILLO, New York, N. Y. Filed Aug. 25, 1922. Serial No. 584,283. 7 Claims. (Cl. 123—169.)



1. In a spark plug, a body with an upper transparent closing means to render the flash of the electrodes exteriorly visible at the top of the plug to determine the character of operation of the electrodes, an electrode-carrying means removably applied to the lower end of the body and having a flat flanged bottom and an electrode holding cup rising from the upper side of said bottom with electrodes extending radially thereinto, the cup being fully open at the top to expose the flash of the electrodes upwardly through the body, and an electrode device extending downwardly through the body and into the open top of the said cup, the cup being of less diameter than the interior of the said body and the latter adjacent to and around the cup being formed with openings.

1,538,751. SHANK STIFFENER. EUGENE SEAVEY, New York, N. Y., assignor to C.-V. Products Corporation, a Corporation of New York. Filed July 30, 1923. Serial No. 654,680. 7 Claims. (Cl. 36—76.)



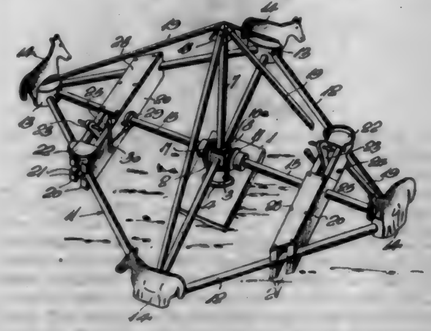
6. A shank stiffener comprising a pair of tracks, means for attaching said tracks to the arch portion of a shoe, and a tread member having grooves for co-action with said tracks for sliding movement thereon.

1,538,752. SHOE-SEWING MACHINE. THOMAS H. SMELY, Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Dec. 22, 1916, Serial No. 138,399. Patent No. 1,355,856, dated Oct. 19, 1920. Divided and this application filed Apr. 19, 1919. Serial No. 291,294. 9 Claims. (Cl. 112—41.)



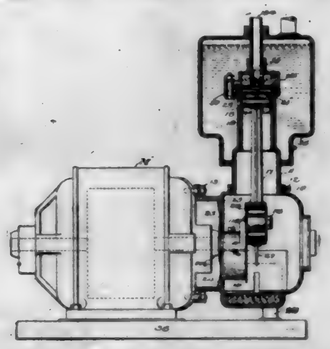
1. A shoe sewing machine having, in combination, stitch forming devices including a curved hook needle, a looper, a looper lever, means for heating the lever to heat the looper, an arm secured to the lever, a thread gripping device carried by the arm, and means whereby the length of the arm between the gripping device and the lever may be adjusted.

1,538,753. CHILD'S MERRY-GO-ROUND. GEORGE EDWARD SMITH, Hudson, Colo. Filed July 11, 1923. Serial No. 650,967. 5 Claims. (Cl. 272—33.)



1. A children's merry-go-round comprising a rotatably mounted horizontally disposed frame having angularly disposed side bars, elongated supporting members extending obliquely across the corners of said frame and each secured at its ends to two adjacent side bars, of said frame, to relatively brace the same, seats carried by said supporting members, and means for rotating said frame including handles mounted on said supporting members.

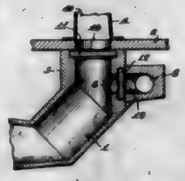
1,538,754. ELECTRIC-MOTOR-DRIVEN COMPRESSOR. GREGORY JOHN STOHERR, East Orange, N. J. Filed June 30, 1923. Serial No. 648,727. 12 Claims. (Cl. 230—6.)



1. A compressor of the class described, comprising a piston and cylinder, a casing on said cylinder forming a container for oil and drive elements, said casing having means whereby to secure it to an electric motor so that said drive elements will be actuated by the shaft of the electric motor, said casing at one end thereof affording an inlet for air to said oil container, and means in said oil container and near the air inlet to said chamber and forming an air baffle within the container to maintain separated the oil passing to the cylinder through said oil container.

8. A compressor assemblage comprising an air tank, a brace having clamp means holding it to the tank, a clamp band mounted on the tank at the upper end, a base mounted on said clamp band, a motor, and a compressor pump rigid with the motor casing, said motor and pump supported on said second-mentioned base.

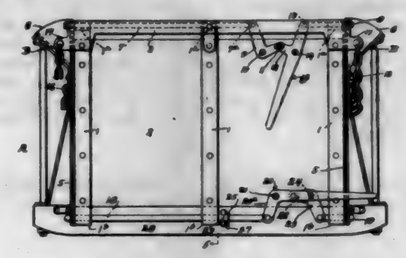
1,538,755. COMBINED RADIO AND PHONOGRAPH CABINET CONSTRUCTION. MORRIS STETTNER, Brooklyn, N. Y. Filed Jan. 26, 1924. Serial No. 688,769. 2 Claims. (Cl. 179—100.1.)



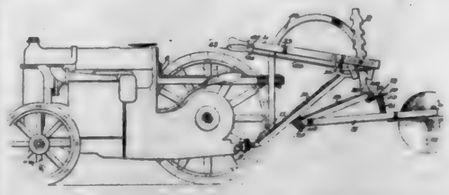
1. A combined radio and phonograph cabinet construction, which comprises a body portion having a main sound passage therein, a plurality of other body portions having auxiliary sound passages therein connected to the main sound passage, slidable apertured members in said body portions adapted to be interposed between the main passage and the auxiliary passages, and means for moving said slidable members simultaneously to alternately register their respective apertures between the main sound passage and the respective auxiliary passages whereby the flow of sound between the main passage and the auxiliary passages can be selectively controlled.

1,538,756. DOUBLE-ACTING END GATE. JOSEPH STIFTAR, Pittsburgh, Pa. Filed Oct. 28, 1922. Serial No. 597,621. 2 Claims. (Cl. 296—51.)

1. In combination with a vehicle body, an end gate, means for hingedly securing the gate at its upper end to the body, locking rods slidably mounted on the lower end of the gate, means connecting said rods for simultaneously projecting and retracting them, members secured to the body and positioned to receive the outer end portions of the rods when projected, and cooperating means carried by one of the rods and the body for securing the lower central portion of the gate against outward movement away from the body when said rods are projected, said means being released when the rods are retracted.

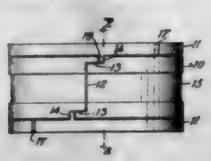


1,538,757. COUPLING OR HITCH FOR TRACTORS. SAMUEL L. SWINDALL, Bare Beach, Fla. Filed Oct. 14, 1922. Serial No. 594,596. 1 Claim. (Cl. 97—47.)



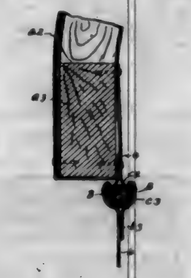
In combination with a tractor, supporting means mounted on said tractor, a main frame having flexible connections to the tractor, means carried by the supporting means for positively lowering and elevating the main frame, an earth working element, a tongue pivotally connected at its forward end to the main frame and carrying the earth working element at its rear end, and resilient connecting means between the main frame and the intermediate portion of the tongue for pressing the same downwardly.

1,538,758. PISTON RING. CLAUDE HUNTER, TAYLOR, Biloxi, Miss. Filed Sept. 17, 1924. Serial No. 738,231. 3 Claims. (Cl. 74—109.)



1. A piston ring comprising an intermediate split ring section and outer split ring sections, the intermediate section having an outer peripheral groove defining together with the cylinder wall a pressure receiving space for partially equalizing the fluid pressure on the opposite sides of the ring, whereby a pressure only slightly in excess of the inherent expansive action of the material from which the ring is formed, is exerted against the cylinder wall and interengageable means on the intermediate and outer sections of the ring for causing said outer sections to contract with the intermediate section for relieving the same of the greater part of the fluid pressure on the inner side, said means comprising complementary rabbeted portions on the confronting edges of the ring sections and interengageable means on the intermediate and outer sections for preventing relative rotation thereof, said means comprising a key or lug intersecting the rabbeted portion of each outer section and a recess in the opposite confronting edges of the intermediate section.

1,538,759. AUTOMOBILE CURTAIN. HORACE T. THOMAS, Lansing, Mich. Filed Apr. 5, 1923. Serial No. 629,957. 4 Claims. (Cl. 296—138.)



4. The combination with an automobile top, of a flexible valance depending from the edge of said top, and having a welt along its lower edge, and a curtain having a trough-like strip of rigid material at its upper edge, the material of said curtain covering said strip, said strip so covered being adapted to engage said welt.

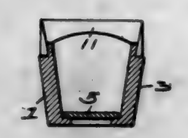
1,538,760. SHOCK-ABSORBING DEVICE FOR AUTOMOBILE VEHICLES. PAUL AIME TREFIER, Paris, France, assignor to himself and Societe P. Nicolle & Cie., Montreuil S/Bois, Seine, France. Filed Aug. 14, 1923. Serial No. 657,197. 3 Claims. (Cl. 188—130.)



1. A shock-absorber, comprising a pair of angularly-disposed arms mounted on a common pivot for relative swinging movement toward or from each other, each arm embodying a pair of spaced, parallel blades, the blades of one arm extending between those of the other arm; a pair of plates interposed between the adjacent blades of the first- and second-named arms and rigidly secured to the inner faces of the latter; a disk interposed between said plates and rigidly connected with the blades of the first-named arm; and a friction ring carried by said disk and constantly engaging the inner faces of the plates.

1,538,761. GRATE STRUCTURE. DONALD. S. VAN WAGENEN, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Benjamin F. Watkins, Philadelphia, Pa. Filed Feb. 23, 1921. Serial No. 447,199. 15 Claims. (Cl. 110—74.)

1. In a grate structure, an element adapted to be placed side by side and end to end with like elements to form a fuel-supporting surface, said element having at each end and at the side a substantially wedge-shaped spacer lug the point of which projects upwardly and lies at the end edge of the element.

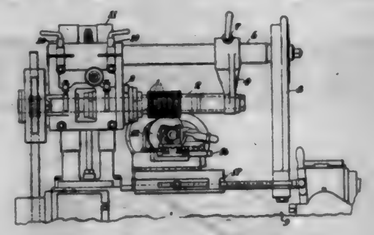


1,538,762. MACHINE FOR ARRANGING PAPERS, CARDS, AND LIKE ARTICLES. SYLVANUS PERCIVAL VIVIAN, Chelsea, London, England. Filed Jan. 3, 1923. Serial No. 610,536. 8 Claims. (Cl. 40—28.)



1. A machine for fanning out papers, cards, and the like articles, to exhibit the end margins of every such article in a continuous series, including means for subjecting the articles to a traveling movement, means cooperating with said first mentioned means to flex and reflex said articles during travel, and means for applying pressure to alternate sides of the articles during their flexing and reflexing.

1,538,763. METHOD OF MAKING MILLING CUTTERS. PAUL F. VOKAL, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 30, 1922. Serial No. 532,669. 9 Claims. (Cl. 76—101.)

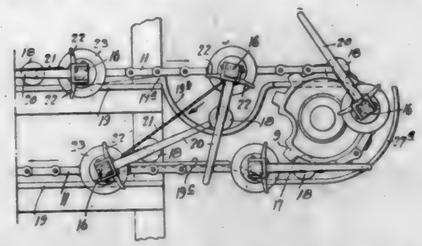


1. The method of forming a screw-slotting cutter having sharp pointed teeth provided with radial cutting faces, which consists in rotating a blank, in providing a spiral fluted hob having rows of teeth, the teeth in each row being staggered with respect to those in each adjacent row, in rotating the hob in timed relation to the rotation of the blank, and in effecting feeding movement between the blank and the hob.

1,538,764. CONVEYER FOR ENAMELING OVENS. JOHN R. WALD, Huntingdon, Pa. Filed Sept. 24, 1924. Serial No. 739,624. 11 Claims. (Cl. 198—150.)

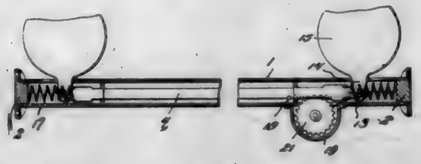
1. Conveyer apparatus comprising a continuous belt having superposed horizontal flights, trays pivotally

connected to said belt, means for normally maintaining said trays in horizontal position, means for tilting a tray of the upper flight downwardly to discharge the



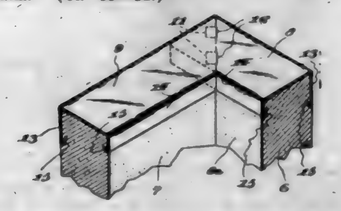
contents thereof, and means for tilting a tray on the lower flight upwardly from the plane of said flight, to receive said contents.

1,538,765. DIRIGIBLE HEADLIGHT. BURFOOT S. WARD, Cape Charles, Va. Filed June 4, 1924. Serial No. 717,765. 2 Claims. (Cl. 240—62.)



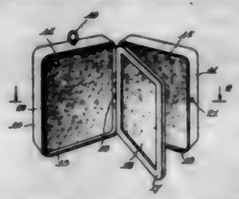
1. A dirigible headlight structure comprising a tube, cleats closing the ends of the tube and adapted to be applied to the fenders of an automobile machine, a bar movably mounted in the tube, said bar being provided at its side with a series of teeth, sleeves disposed over the end portions of the bar and having circular portions which bear upon the inner surface of the tube, the sleeves having flanges which are disposed along the sides of the bar and around the ends thereof, springs interposed between the cleats and the flanges of the sleeve, means for moving the bar, and lamps pivotally mounted and having arms which engage the sleeves.

1,538,766. LAUNDRY TUB. ERWIN O. WARNDORFF, Chicago, Ill., assignor to The Concrete Fixtures Company, Chicago, Ill. Filed Apr. 30, 1923. Serial No. 635,656. 1 Claim. (Cl. 68—31.)



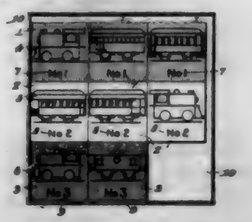
In a metallic rim for molded receptacles, the combination with a metallic section having one end portion squared and provided with spaced obliquely extending openings, of a second section having one end extending obliquely and overlapping the squared end of the first section, the obliquely extending end of said section being provided with tongues extending through said openings and bent back to securely connect the two sections, said sections having side walls provided with inturned flanges, the squared end of the first section and one side wall of the same being flatly engaged with the inner surface of one of the side walls of the second section.

1,538,767. FINGERPRINTING DEVICE. GEORGE H. WATSON, Medina, N. Y. May 5, 1924. Serial No. 711,149. 4 Claims. (Cl. 91—54.4.)



1. As a new article of manufacture, a printing device including a casing consisting of movably connected sections defining compartments, an inking pad in one of said compartments, and an ink eradicating element in the remaining compartment.

1,538,768. PUZZLE. ORSON E. WHEATON, St. John, N. Dak. Filed Feb. 24, 1923. Serial No. 620,981. 4 Claims. (Cl. 273—157.)



4. A puzzle comprising a rectangular receptacle, a pair of independent outer and an independent intermediate set of blocks slidably mounted in said receptacle, the number of the blocks of one outer set being less than the number of the blocks of the other set, said sets of blocks to be arranged in sidewise opposed relation, and each of the blocks of each set having its outer face provided with the pictorial representation of a part of a railway train whereby when the blocks of each set are slid to cooperative relation with respect to each other each set of blocks will form the complete pictorial representation of a railway train, the pictorial representation of the parts of a railway train on the blocks of the intermediate set of blocks being oppositely disposed with respect to the pictorial representation of the parts of a railway train on the outer sets of blocks whereby when the sets of blocks are assembled the complete pictorial representation of the train formed by the inner set of blocks will extend in an opposite direction with respect to the pictorial representation of the trains formed when the other sets of blocks are in cooperative position.

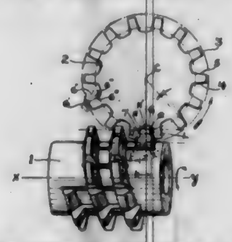
1,538,769. TIE MOUNT AND CARRIER. JOHN WESLEY WHITE, Butte, Mont. Filed June 18, 1924. Serial No. 720,850. 6 Claims. (Cl. 24—56.)



1. A tie mount and carrier constructed of wire and formed to provide a tie mount to permit the formation of a knot thereon, said tie mount involving resiliently connected front and rear sections the sections being

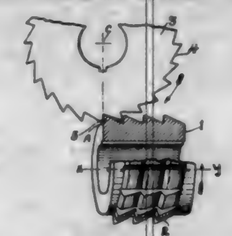
mounted for relatively resilient connection and the rear section being formed to provide relatively lateral resiliency, whereby the tie mount is adapted to exert pressure in at least two independent directions on the knot.

1,538,770. HOB. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,941. 25 Claims. (Cl. 29—103.)



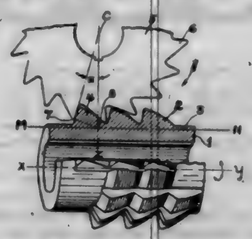
1. A hob for milling sprocket wheels, comprising teeth arranged in the form of a thread and having two formed cutting edges located on different teeth, the lead on the two sides of the hob teeth being different and the thickness of the teeth being progressively less from one end to the other end of the hob.

1,538,771. HOB. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,942. 24 Claims. (Cl. 29—103.)



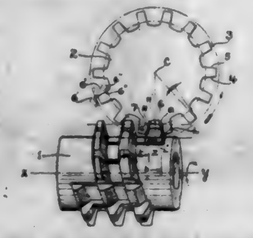
1. A form hob, comprising teeth arranged in the form of a thread and having only one finishing cutting edge, the teeth having substantially straight cutting edges inclined with respect to the hob axis and the finishing cutting edge being located at one end of the hob.

1,538,772. HOB. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,943. 8 Claims. (Cl. 29—103.)



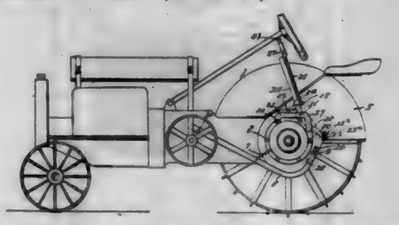
1. A hob having one finishing cutting edge and comprising teeth arranged in the form of a thread on a cylindrical body portion, the teeth having substantially straight cutting edges inclined with respect to the hob axis and the finishing cutting edge being located at the end of the hob.

1,538,773. METHOD OF HOBBING BLANKS. ERNEST WILDHABER, Brooklyn, N. Y., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 30, 1922. Serial No. 609,944. 10 Claims. (Cl. 90—4.)



1. The method of cutting a blank, which consists in providing a hob having formed cutting edges, in locating the hob and the blank with respect to each other so that opposite sides of adjacent tooth spaces are finished in the same angular position of the blank, and in rotating the hob and the blank with respect to each other.

1,538,774. CLUTCH-LEVER CONTROL. JOSEPH WINKLER, Elkader, Iowa. Filed Nov. 23, 1923. Serial No. 676,599. 1 Claim. (Cl. 74—31.)



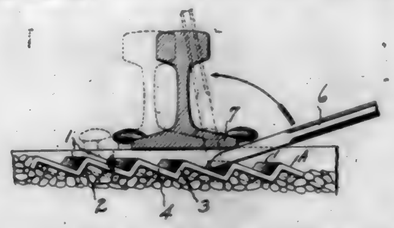
In a clutch lever control, a clutch lever, means for holding the clutch lever normally elevated at its outer end, an anti-friction roller on the clutch lever, a link having a slot to receive the anti-friction roller, a lever having ears, a plate trunnioned on the ears and having an aperture to receive the end of the link, means for securing the link to the plate, and means for holding the lever at different positions of adjustment.

1,538,775. TRACK LINER. BENJAMIN WOLHAUPTER, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Dec. 26, 1923. Serial No. 682,769. 7 Claims. (Cl. 254—44.)



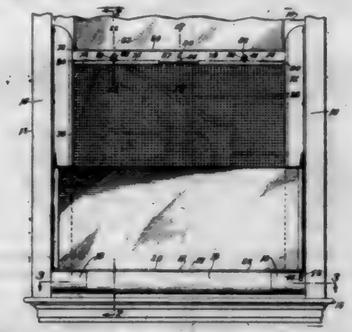
1. A corrugated fulcrum plate, the corrugations forming on its underside a series of spaced anchoring shoulders.

1,538,776. TRACK LINER. BENJAMIN WOLHAUPTER, New Rochelle, N. Y., assignor to The Rail Joint Company, New York, N. Y., a Corporation of New York. Filed Dec. 26, 1923. Serial No. 682,770. 6 Claims. (Cl. 254—44.)



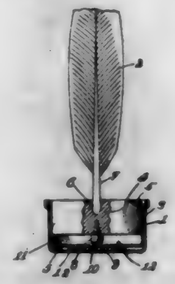
1. A track liner plate having on its upper face a fulcrum shoulder extending diagonally across the plate.

1,538,777. ADJUSTABLE WINDOW SCREEN. ANTON ZEMAN, Camden, N. J., and GEORGE W. NEMEC, Philadelphia, Pa.; said Nemec assignor to said Zeman. Filed Dec. 11, 1920. Serial No. 429,941. 1 Claim. (Cl. 156—39.)



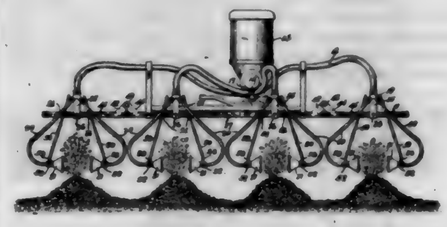
The combination with a window frame of a sash slidably mounted therein, a substantially tubular casing transversely mounted within said frame, said casing having a longitudinal screen opening and comprising, end sections of substantially U-shaped cross section with the upper and lower edges thereof beaded for longitudinal slidable adjustment, and an intermediate section of similar shape and correspondingly beaded for slidable longitudinal adjustment in relation to said end sections, transversely disposed end walls closing the opposite ends of said casing, laterally projecting ears on said end walls engaging the casing end sections, means adapted to securely fasten said ears to the end sections, a back wall longitudinally slidably mounted on said casing, said back wall comprising end sections turned over on one edge to form substantially U-shaped guides for longitudinal adjustment, and an intermediate section of substantially L-shaped cross section adapted for longitudinal adjustment in relation to said back wall end sections, a spring influenced roller rotatably mounted within said casing, a screen mounted on said roller adapted to be withdrawn from or redrawn into said casing thereby, uprights of substantially L-shaped cross section attached to opposite sides of the window frame, a downwardly extended wall on said upright provided with a hooked ear portion, a second wall adjacent the first mentioned wall spaced therefrom and having its lower end beaded, said hooked ear portion and beaded portion of said walls being adapted to clamp the end sections of the casing to the uprights, means adapted to detachably clamp the free end of said screen to said slidable window sash, manually controlled latch means adapted to restrain and lock said roller against back motion when said screen is withdrawn from the casing or be released and thereby unlock said roller for back motion when desired.

1,538,778. EXPLODING TOY. HARRY L. ADAMS, Ventnor, N. J. Filed Feb. 23, 1923. Serial No. 620,771. 1 Claim. (Cl. 46—46.)



In an exploding toy, a hammer and a feather carried thereby, the said hammer comprising a body or filler of light material having a socket in its upper side in which the quill of the feather is permanently secured, a wood screw secured in the body or filler at the center and against the underside thereof and having a rounded head projecting from said underside, and a cup-shaped sheet metal covering permanently secured on the body or filler and having a perforated bottom disposed against the head of the said screw and spaced thereby from the filler, and a cup-shaped anvil adapted for the snug arrangement therein of the sheet metal covering of the hammer.

1,538,779. DUSTING MACHINE. CARL G. ALLGRUNN and EDGAR KNAPP, Middleport, N. Y., assignors to Niagara Sprayer Co., Middleport, N. Y., a Corporation of New York. Filed Oct. 26, 1921. Serial No. 510,631. 3 Claims. (Cl. 43—148.)



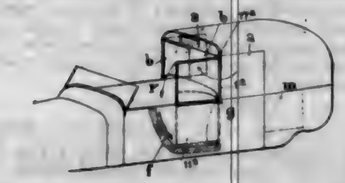
3. A plant dusting machine, comprising a wheeled supported platform, a receptacle supported on the platform and having a discharge nozzle having four members, a transversely extending bar at the rear end of the platform, and having two upwardly projecting brackets, a bar hinged to each end of the first bar to swing upwardly or in alinement with said bar, and each having an upwardly projecting bracket, a flexible pipe secured to each member of the nozzle and each having at its end a two-way member, secured to the upper end of each bracket, a pair of flexible pipes having nozzles at their ends and secured to each member of the first named pipes, and means for securing the nozzle carrying pipes to the said bars, whereby the nozzles of each pair of nozzles can be adjusted vertically and moved toward and from one another.

1,538,780. SILO. ADOLPH I. ANDERSON, Zumbrota, Minn. Filed July 25, 1923. Serial No. 653,798. 2 Claims. (Cl. 72—6.)



1. A silo construction comprising a reinforced outer wall of hollow tile, inwardly projecting elements thereon, sheets of insulating material suspended from said elements and disposed in spaced relation and with their vertical and horizontal edges overlapping, strips secured to said elements and between the spaced sheets, said strips being rounded to conform to the inner contour of the outer wall, metal lathing secured to the innermost sheet of insulating material by means of said projecting elements and a plastic facing on said metal lath.

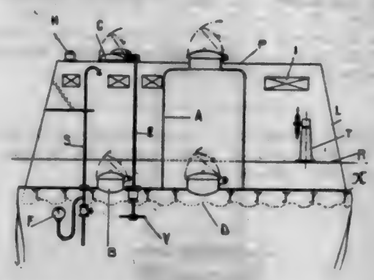
1,538,781. VEHICLE BODY. GUSTAVE BAEHR, Paris, France. Filed Jan. 27, 1922. Serial No. 532,177. 6 Claims. (Cl. 296—45.)



1. In an automobile or other vehicle, the combination with a body provided with a hinged door and a pocket in the side of the body in front of the door, and an extensible top for the body, of a pillar provided with wings and pivoted at one end to the body at the upper rear edge of the pocket to fold into the pocket or swing in an upright position in engagement with the top when extended, means for locking the upper end of the upright to the front of the top, and a window, pivotally mounted on one of the wings of the pillar to swing about the same and above the door when said pillar is in an upright position.

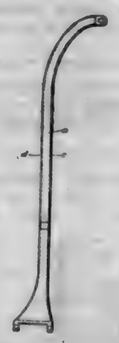
1,538,782. TURRET FOR SUBMERSIBLE VESSELS, SUITABLE EITHER AS A STEERING HOUSE OR WATER-BALLAST TANK. VINCENZO DE FEO, Spezia, Italy, assignor to Società Anonima Ansaldo San Giorgio, Spezia, Italy. Filed Mar. 1, 1924. Serial No. 696,227. 3 Claims. (Cl. 114—16.)

1. In submarines the combination with a watertight false turret surrounding the proper turret, of means for permitting the water to escape or enter therein, means for supplying compressed air and means for allowing said



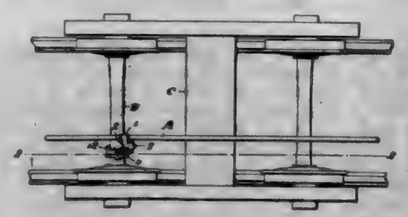
air to escape, said false turret being thereby adapted to be utilized as desired either as a water-ballast tank or as an habitable steering and like room.

1,538,783. DAVIT ARM. KARL DINGERTZ, Alingsas, Sweden. Filed Aug. 8, 1923. Serial No. 656,376. 1 Claim. (Cl. 9—22.)



A davit arm for luffing davit made of cast steel or rolled iron and formed into a rectangular hollow section by means of welding in the longitudinal direction of the arm.

1,538,784. AUTOMATIC TRAIN CONTROL. CHARLES D. DUKE, Catlettsburg, Ky. Filed Oct. 4, 1924. Serial No. 741,622. 1 Claim. (Cl. 246—170.)



Means for stopping a train by the derailment of a truck thereof comprising a cock located in the air line, a depending member connected with the arm of the cock and having a ring-shaped lower end embracing an axle of the truck and rings clamped to the axle, one on each side of the ring part for preventing swinging movement of the depending part.

1,538,785. PYROTECHNIC ARTICLE. HENRY B. FARRR, Brooklyn, N. Y., assignor to J. Ben Decker, Elkton, Md. Filed June 18, 1924. Serial No. 720,827. 3 Claims. (Cl. 102—25.)

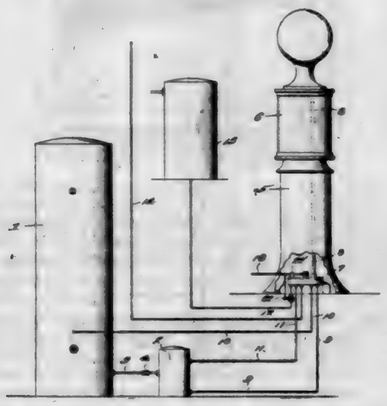
1. A pyrotechnic article in the form of a small lozenge or the like having an adherent coating edibly obnoxious, substantially as described.

1,538,786. VANITY BOX. LOUIS FELDMANN, Brooklyn, N. Y. Filed Nov. 3, 1923. Serial No. 672,566. 1 Claim. (Cl. 132—83.)



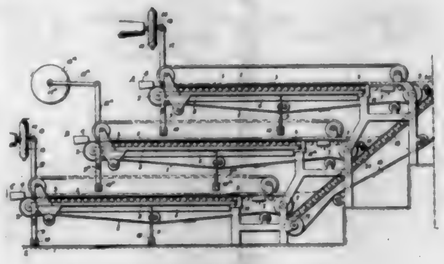
A vanity case having a cover formed with an upwardly or outwardly pressed area, said area being formed with spaced slots, and means for holding a picture or the like upon said area comprising a rim member disposable over the picture whereby to confine the same against said area, said rim member being formed with spaced depending tongues adapted to be inserted through said slots and clinched for preventing removal.

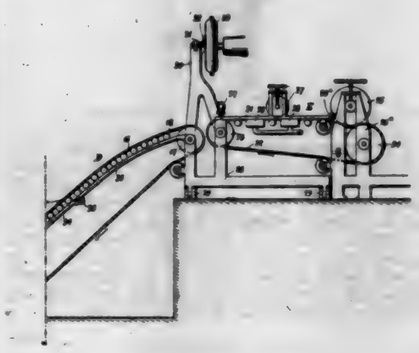
1,538,787. VALVE. OSWALD LECQUORTTE FILLMORE, Harriman, Tenn. Filed Nov. 3, 1922. Serial No. 598,938. 1 Claim. (Cl. 221—100.)



An apparatus of the class described comprising a main tank, an auxiliary tank arranged to be filled from the main tank under the action of gravity, a delivery chamber, a valve casing, a pipe connecting the same with the upper part of the delivery chamber, a pipe connecting the casing with the auxiliary tank, a pipe connecting the casing with the main tank, an air tank, a pipe connecting the same with the valve casing, an air pipe connecting the valve casing with the auxiliary tank, a vent pipe connected with the valve casing, a valve in the casing having a port therein for connecting the delivery pipe with either the pipe leading to the auxiliary tank or with the main tank and also having passages therein for connecting the air tank with the auxiliary tank or the auxiliary tank with the vent pipe, a handle for operating the valve and a valve for controlling the flow of air from the air tank into the casing, said valve being operated by the handle.

1,538,788. METHOD OF AND APPARATUS FOR MAKING MULTIPLE-PLY PAPER. EZRA B. FISH, Kansas City, Mo. Filed Nov. 1, 1921. Serial No. 512,148. 21 Claims. (Cl. 92—39.)





7. The method of making multiple-ply paper which comprises flowing paper pulp onto web-forming aprons to form a plurality of wet paper pulp webs and shaking said aprons during the formation of the webs, supplying fluid to said webs after they have been formed, superposing the webs, shaking the superposed webs while wet and uniting the webs to produce a unitary multiple-ply paper sheet.

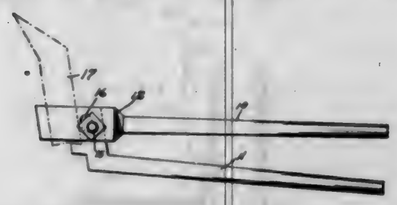
1,538,789. FLOAT AND METHOD OF MAKING SAME. CHARLES F. FLEMMING, Akron, Ohio. Filed Aug. 26, 1921. Serial No. 495,454. 10 Claims. (Cl. 18—53.)



1. An article of manufacture composed of hard vulcanized rubber molded to the desired size and shape having a cellular structure with the walls of the cells intact, and having a substantially smooth imperforate exterior surface.

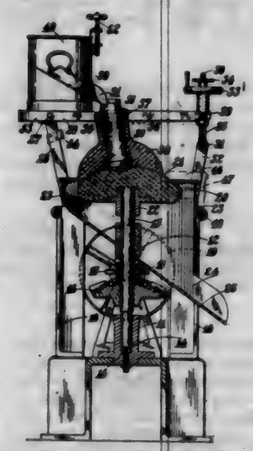
1,538,790. TONGS. JACOB S. FORNEY, Mannington, W. Va. Filed June 20, 1924. Serial No. 721,343. 1 Claim. (Cl. 81—3.)

Tongs comprising a pair of handles, one of said handles being provided with an enlarged elongated slotted portion projecting forwardly therefrom and having an end wall, a jaw arranged substantially at a right angle to the corresponding end of the handle and pivoted within said slot, said jaw cooperating with said end wall of the elongated portion for clamping an object therebetween, a lug projecting from said jaw to assist



in supporting the object engaged by said tongs, and said lug being adapted to enter the slot to eject the object from the tongs upon movement of the last mentioned handle in a particular direction.

1,538,791. GRINDING MILL. WALTER FOWLER, London, England. Filed July 28, 1923. Serial No. 654,460. 5 Claims. (Cl. 83—10.)



1. In a grinding mill, the combination of a spherically-curved grinding element, means for rotating it about an axis passing through its centre of curvature, a second grinding element curved concentrically with the first element and bearing frictionally thereon, said second element being rotatable about an axis which is inclined to the axis of rotation of the first element and being driven frictionally thereby.

1,538,792. PROCESS FOR TREATING THE SURFACE OF BRONZE, BRASS, AND LIKE METALS. RICHARD WILLIAM HENRY FOX, Palmers Green, England. Filed Feb. 27, 1924. Serial No. 695,579. 7 Claims. (Cl. 91—68.)

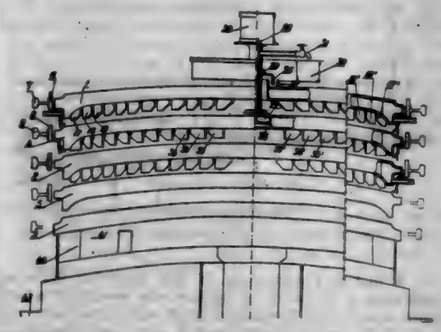
7. A process for treating bronze, brass and the like metals to produce a protective coat thereon, the appearance of which can be varied, said process consisting in abrading the metal surface to remove the unsightly products of corrosion and to expose the patinalike surface covering the unacted upon metal, then covering such patinalike surface with a coloring material of the class known as "bronze", removing the superfluous part of such coloring material, and then applying celluloid varnish and a wax coating.

1,538,793. DENSOMETER FOR TESTING FABRICS. FRANCIS E. GALLAGHER and WILLIAM M. PECKHAM, Troy, N. Y. Filed Oct. 25, 1922. Serial No. 596,841. 4 Claims. (Cl. 73—51.)



1. A device for testing material, which includes a receptacle containing liquid, a second receptacle within the first receptacle and having an open bottom and top, and means on the top of the second receptacle for stretching the material to be tested tightly thereacross, said second receptacle resting on the liquid within the first receptacle, the weight of the second receptacle, the weight of the second receptacle creating a definite pressure of gas therewithin whereby the gas within the receptacle tends to escape through the material at a definite rate in accordance with its porosity.

1,538,794. ROASTING FURNACE. LUCIEN GESCHWIND, Paris, France. Filed Sept. 19, 1923. Serial No. 663,714. 2 Claims. (Cl. 257—119.)

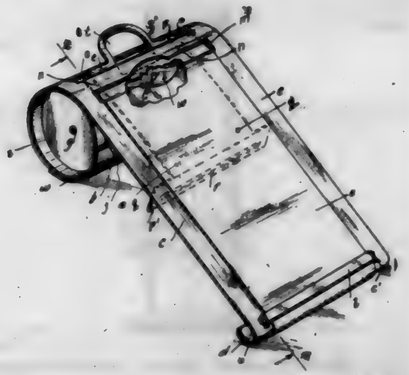


1. In a furnace for roasting ores having hearths of a refractory nature and circular form, which are superposed and are alternately fixed and rotating, an arrangement of furnace rakes cooled by water circulation comprising refractory hearths each consisting of two semicircular portions, a circular metallic frame supporting each hearth, a hollow diametrical metallic arm interposed between said portions of each hearth, means whereby a cooling fluid is enabled to circulate within said hollow arm and metallic rake teeth provided on said arm, which is supported by the circular frame of the hearth.

1,538,795. DESK PAD. THEODORE GENSMER, Portland, Oreg. Filed Mar. 7, 1922. Serial No. 541,630. 4 Claims. (Cl. 281—6.)

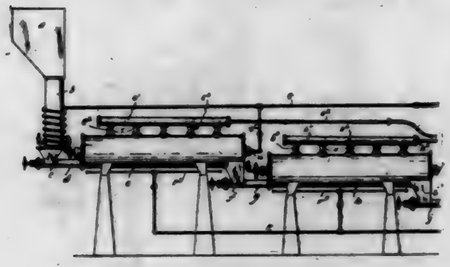
1. A desk pad consisting of a one piece sheet metal body, one end of the body terminating in a cylindrical

container, the other end terminating in a curved back support, the intermediate section of the body being flat and constituting a writing surface, said curved



back portion being provided with a transverse slot, said container having a transverse opening beneath said intermediate section, and a yielding clamping member bearing on said body.

1,538,796. MULTIPLE-UNIT RETORT. G MURL GORDEN, Portland, Oreg., assignor, by mesne assignments, to American By-Products Corporation, a Corporation of Washington. Filed Nov. 22, 1921. Serial No. 516,996. 5 Claims. (Cl. 202—14.)



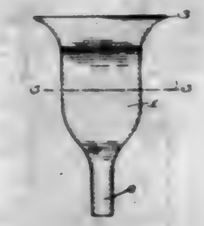
1. A distilling apparatus of the character described comprising a plurality of horizontally arranged retorts which are heated independently of each other with the ends of the retorts spaced and in step down formation, a horizontal cylindrical passage way connecting to adjacent retorts, a hopper for the passage way communicating with the preceding retort, the passage way being smaller in diameter than the retorts, a spiral screw operable in said passage way and underlying the hopper and adapted to convey material out of one retort into the other, the said spiral screw being of substantially the same diameter as the passage way and thus adapted to provide a heat seal between the retorts.

1,538,797. MEDICAMENT-INJECTING TUBE. GARRETT LAYTON GRIER, Milford, Del., assignor to The L. D. Caulk Company, Milford, Del., a Corporation of Delaware. Filed June 23, 1921. Serial No. 479,828. 4 Claims. (Cl. 128—260.)

1. A medicament-injecting tube for dental uses composed of elastic material and comprising a tubular collapsible body having a reduced nipple which is flattened on one diameter adjacent to its discharge end, the opposite end of the body being normally open and also flattened on the same diameter on which the nipple is flattened.

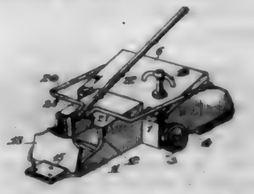


1,538,798. DENTAL-INJECTION TUBE. GARRETT LAYTON GRIER, Milford, Del., assignor to The L. D. Caulk Company, Milford, Del., a Corporation of Delaware. Filed June 23, 1921. Serial No. 479,829. 5 Claims. (Cl. 128—260.)



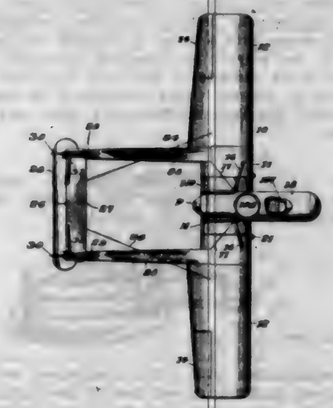
1. A dental injection tube comprising a collapsible body to contain a fluid substance, and a reduced nipple at one end thereof provided with a discharge opening, the opposite end of the body having a normally open outwardly flared mouth of a diameter greater than that of the body and a constriction between its flared mouth and the body which is adapted to be closed when the mouth is compressed.

1,538,799. ASH REMOVER. CHARLES GRIFFIN, Ypsilanti, Mich. Filed May 24, 1924. Serial No. 715,738. 5 Claims. (Cl. 126—247.)



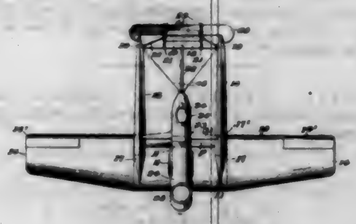
1. An ash remover including a body having inlet opening at its forward end and a discharge opening at its rear end, the former being capable of receiving the outlet end of a discharge pipe, and means pivotally mounted in said body for discharging ashes therefrom through said discharge opening.

1,538,800. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-fourth to Theodore P. Hall, Wallingford, Conn., and three-sixteenths to Paul Wilson, Ithaca, N. Y. Filed May 12, 1922. Serial No. 560,884. 22 Claims. (Cl. 244—12.)



1. In an airplane, an internally braced wing including a main longitudinal wing truss, and an empenage supporting outrigger detachably mounted on, secured to, and supported from said wing truss, the wing end of said outrigger forming a composite part of said wing truss in mounted position.

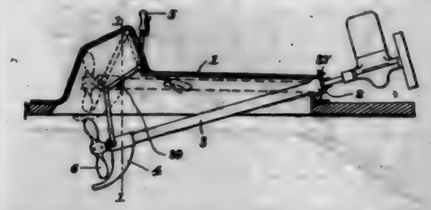
1,538,801. AIRPLANE. RANDOLPH F. HALL, Ithaca, N. Y., assignor of one-fourth to Theodore P. Hall, Wallingford, Conn., and three-sixteenths to Paul Wilson, Ithaca, N. Y. Filed Nov. 14, 1922. Serial No. 600,898. 31 Claims. (Cl. 244—14.)



1. In an airplane including a main nacelle having a pusher propeller mounted at the after end thereof and a rearwardly extending outrigger, a supplemental nacelle detachably mounted and supported from said outrigger independently of said main nacelle to the rear thereof in longitudinal alinement therewith and forming a continuation of the contour of said main nacelle.

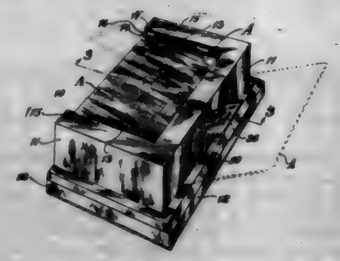
1,538,802. PROPELLER FOR BOATS. BERTRON G. HARLEY, Widewater, Va., assignor to Albert L. Ellsworth, Toronto, Canada. Filed May 19, 1922. Serial No. 562,130. 3 Claims. (Cl. 115—41.)

1. In a propeller device for boats, the combination with the propeller shaft and propeller and a housing for the same, of a tube pivotally supported at one end enclosing the shaft, and having journal bearings at either end, a strut pivoted in the propeller housing, a strut pivoted at one end to the aforesaid strut and at the other end to the free end of said tube, and a lever for



operating the struts arranged outside said housing and extending therethrough and rigidly connected to the strut pivoted in the housing.

1,538,803. CARD HOLDER. CHARLES K. HARRIS, New York, N. Y. Filed May 20, 1924. Serial No. 714,718. 3 Claims. (Cl. 273—148.)



1. A card holder comprising a casing having its front opened, flanges extending inwardly from the walls of said casing, portions extending inwardly from the side walls of the casing at the open front and spaced from the flanges to form slits, and means for holding the top card of a plurality of cards in register with the slits, said means including a plate hingedly mounted at the rear of said casing, and a spring for forcing said plate toward said flanges.

1,538,804. AUTOMOBILE BUMPER. KENNETH LESTER HARRIS and CHARLES WESTERMAN HARRIS, New Brighton, Pa. Filed Oct. 7, 1924. Serial No. 742,138. 9 Claims. (Cl. 293—35.)

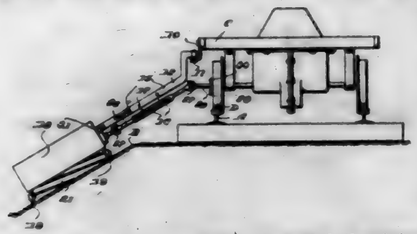


1. An automobile bumper comprising a rod, a removable and rotatable metallic casing through which the rod extends, and means for retaining the casing on the rod.

1,538,805. RAILROAD-BED-MOWING MACHINE. WILLIAM E. HARRIS, Longview, TEX. Filed Dec. 28, 1922. Serial No. 609,529. 3 Claims. (Cl. 56—231.)

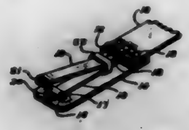
1. A road bed mowing device for attachment to a track vehicle, comprising brackets on the track vehicle, longitudinally adjustable arms pivoted on said brackets, and a mower carried by said arms and pivotally mount-

ed with respect thereto whereby to be capable of vertical swinging movement to correspond with and accommodate inequalities in the surface traveled over, the



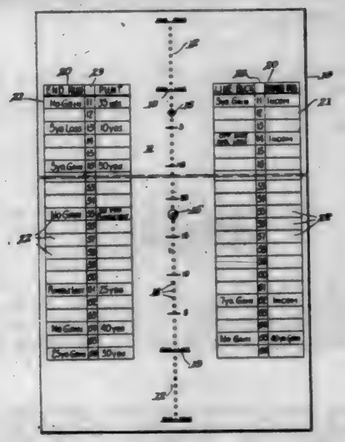
mower including a frame, rollers journaled therebelow, a rotary cutter journaled in the frame and a flexible drive shaft operatively connected with an axle of the track vehicle and connected with said rotary cutter.

1,538,806. GARTER. DAVID HAWES, Philadelphia, Pa. Filed July 7, 1922. Serial No. 573,289. 2 Claims. (Cl. 24—260.)



1. A garter clasp comprising in combination a protecting strip, a pair of clamping jaws, a guiding strap formed on said protecting strip for engaging over one of said jaws adjacent to its free end, said jaws being resilient and tensioned to normally spread them, the jaw other than the one engaged beneath said strap having its free end bent transversely and extended beyond the free end of the strap engaged jaw, and a confining ring slidable along said jaws.

1,538,807. INDOOR-FOOTBALL GAME. CARL HEAD, Decatur, Ill. Filed Apr. 12, 1922. Serial No. 551,911. 2 Claims. (Cl. 273—94.)



2. A game device comprising a game board having a playing surface designed to represent a football field, the surface being marked to represent the points forming or constituting the successive stations and playing points of a football game, in combination with movable markers designed to be placed upon the playing points and moved in conformity with possible plays of a football game, a guide chart provided directly upon the board at opposite sides of the playing surface including columns having headings corresponding to the possible plays, said columns being subdivided into spaces bearing indicia as to penalties, together with distances pertaining thereto, advantages, the columns being furthermore inscribed opposite said spaces with a series of numbers, and means operable by the players for obtaining a number corresponding to the numbers on the chart, said means including dice of different colors intended to be read in their multiple relation, one indicating units and the other tens.

1,538,808. CAKE AND PASTRY SERVER. ARTHUR HEDDEN, Portland, Oreg. Filed Nov. 23, 1922. Serial No. 602,796. 4 Claims. (Cl. 294—1.)



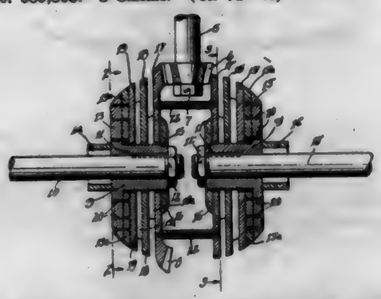
1. The combination with a table implement such as a knife of an auxiliary serving member branching and offset from the plane of the handle of said implement thence extending substantially parallel with said plane, said offset straight portion being so proportioned that its extremity is located inward of the top of said implement.

1,538,809. HAIR CURLER. BEULAH LOUISE HENRY, New York, N. Y. Filed June 29, 1923. Serial No. 648,578. 6 Claims. (Cl. 132—44.)



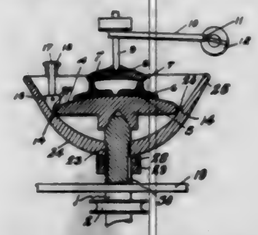
1. A hair curler formed of a single piece of seamless hollow elastic tubing, and mating fastening devices sealing the tubing inwardly of the respective ends thereof prior to bringing the mating fastening elements into co-acting engagement.

1,538,810. DIFFERENTIAL. FREDERICK JOSEPH HEDDLE, Chicago, Ill. Filed Jan. 31, 1924. Serial No. 689,805. 3 Claims. (Cl. 74—7.)



2. In a device of the type described, a pair of axially alined axles, a drive shaft at right angles thereto, a gear on said drive shaft, a plate mounted loosely on each of said axles, said plates being rigidly secured together, a gear integral with one of said plates and arranged to mesh with said first named gear, a plate rigidly secured to each of said axles, and intermediate plates between said rigidly secured plate and said loosely mounted plates, each of said plates having lugs arranged to engage corresponding lugs on adjacent plates for transmitting power from said drive shaft to said axles.

1,538,811. LENS GRINDING APPARATUS. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Corporation of Massachusetts. Filed Apr. 2, 1920. Serial No. 370,724. 1 Claim. (Cl. 51—263.)



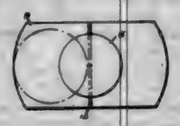
A lens grinding tool including a threaded spindle, a lap portion mounted upon the upper end thereof, an abrasive receiving bowl having a central threaded opening within its bottom for adjustably mounting said bowl, a web portion formed integral with said bowl upon the interior thereof and adapted to fit tightly against the faces of the lap portion, said web portion being curved upwardly at its inner edge to form an abrasive receiving groove and means for retaining said bowl in an adjusted position upon the spindle.

1,538,812. BIFOCAL. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Mar. 25, 1921. Serial No. 455,525. 5 Claims. (Cl. 88—54.)



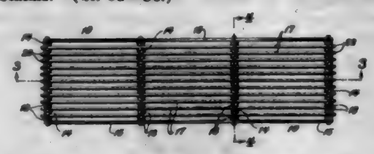
1. The process of producing a multifocal lens consisting in forming one visual field of the lens in a continuous surface, placing a protective coating over said surface, and subsequently forming a second surface on the lens by grinding through the protective coating and into the body of the lens.

1,538,813. BIFOCAL LENS. MAX A. LAARS and HARRY W. HILL, Southbridge, Mass., assignors to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Sept. 22, 1922. Serial No. 589,809. 6 Claims. (Cl. 88—54.



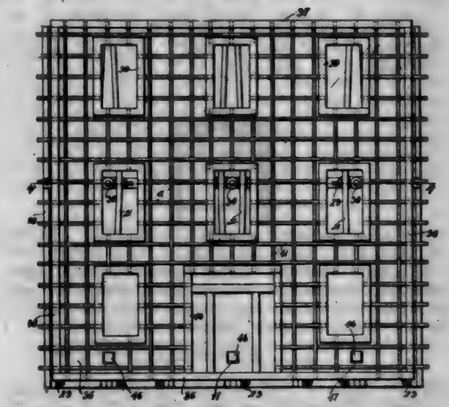
1. A multifocal lens blank comprising a major portion having a vent formed therein, and a segment secured to the major portion over said vent.

1,538,814. SIFTING DEVICE. OLAF C. HOFF, Brooklyn, N. Y. Filed Mar. 29, 1924. Serial No. 702,947. 2 Claims. (Cl. 83—56.)



1. A sifting device comprising a plurality of spaced transverse members, rails secured to the ends of said transverse members for holding the same in longitudinal alignment, said transverse members having semi-circular grooves formed in the upper surface thereof and openings between the grooves, rods for reception in the aligned grooves of said transverse members, bolts passing through said openings and having beveled heads for co-action with said rods, certain of said beveled heads co-acting with the rods on opposite sides of the respective openings, and a nut associated with the free end of each of said bolts for holding said heads in engagement with said rods.

1,538,815. BUILDING APPARATUS. PERCIVAL N. HUNTER, Sawtelle, Calif. Filed Nov. 7, 1923. Serial No. 673,359. 8 Claims. (Cl. 25—1.)



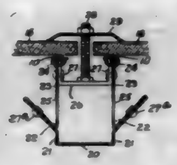
4. An apparatus of the character described comprising a stationary frame, a movable frame pivoted upon one edge thereof and adapted to have a wall built thereon, and screw means for swinging said movable frame into vertical position, and means on the movable frame for holding the wall structure against movement with respect thereto, said means consisting of screw members carried by the movable frame, nut means engaging said screw members, and foot pieces screwed upon the screw members and engageable by portions of the wall structure.

1,538,816. COLOR PHOTOGRAPH OR FILM AND METHOD OF PRODUCING SAME. FREDERIC E. IVES, Philadelphia, Pa. Filed Feb. 15, 1923. Serial No. 619,187. 19 Claims. (Cl. 95—2.)



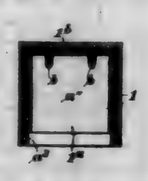
1. In photographic color print making, the production of a silver image which is converted in part to silver ferrocyanid, followed by reconverting the silver ferrocyanid to silver bromid and then exposing to light under another negative and developing a second silver print which is subsequently converted into a color print.

1,538,817. SKYLIGHT. ALFRED MELVILLE JAMES, Dunedin, New Zealand. Filed Jan. 5, 1924. Serial No. 684,651. 2 Claims. (Cl. 108—16.)



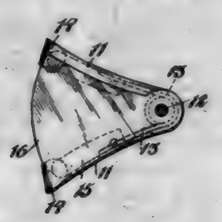
2. In a skylight having sides whose lower ends are bent to form a flashing and being so formed within the skylight as to provide condensation channels, the combination with at least one substantially U-shaped glazing bar the sides of which are formed to provide condensation channels and the upper edges of which are bent to form grooves, of substantially U-shaped stiffening brackets secured to said bar, asbestos cord in said grooves, a cover for the skylight supported by the asbestos cord, and a flashing secured to the stiffening brackets and adapted to hold the cover firmly in position.

1,538,818. BATTERY BOX. JOHN F. JOHNSTON and GEORGE W. BULLEY, Akron, Ohio, assignors to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed May 25, 1921. Serial No. 472,427. 6 Claims. (Cl. 136—29.)



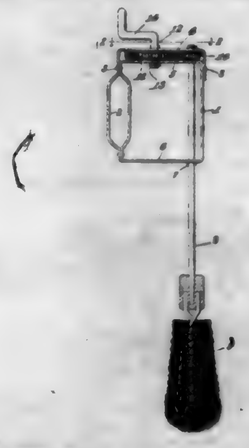
6. A rigid structure having impervious hard rubber inner and outer walls and an intermediate layer of cellular hard rubber vulcanized thereto, with the walls of the cells intact and their interiors substantially void.

1,538,819. CLASP FOR WATCH BRACELETS. JAMES ROBERT KAY, South Lawrence, Mass. Filed Sept. 23, 1924. Serial No. 739,376. 3 Claims. (Cl. 24—237.)



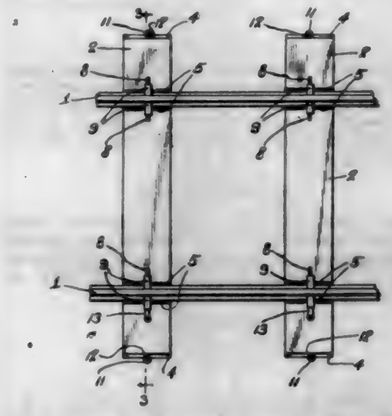
1. A clasp for use on a watch bracelet to connect the same with the loops of a wrist watch, said clasp including side arms pivotally connected at one end, and a spring acting on said arms tending to spread the same, said arms having the material thereof at their free ends returned at the under side to form hooks disposed with their side edges toward each other and with the bills of the hooks parallel with each other, the terminals of the hooks being disposed in the direction of the pivot ends of said arms, said spring permitting the movement of the arms toward each other to vary the distance between said hooks.

1,538,820. BRUSHING DEVICE. CHARLES A. KELLY, Hinsdale, N. H. Filed Sept. 6, 1924. Serial No. 736,285. 1 Claim. (Cl. 15—25.)



A brushing device comprising an open rectangular body having one of its upright portions shaped to form a hand grasp and also having an intermediate cross bar adjacent to and spaced from its top bar, a snaft journaled and held against endwise movement in said top bar and intermediate bar and also in the lower bar of the body and having fixed to its upper portion a spur gear interposed between the top bar and intermediate bar of the body, a brush carried by and rotatable with the said shaft, a second shaft journaled and held against endwise movement in the top bar and intermediate bar of the body and having a crank, and a spur gear fixed to the second-named shaft and interposed between said bars of the body and meshed with the gear on the shaft.

1,538,821. TIE. THOMAS F. KENNEDY, Boston, Mass. Filed Apr. 4, 1924. Serial No. 704,238. 2 Claims. (Cl. 238—79.)



1. A railroad tie formed of metal and having ribs on its upper face, the ribs being arranged in pairs with each pair forming a rail receiving space, two pairs of jaw members pivoted in the tie and passing through the upper face thereof for engaging the bases of the rails, rods movably mounted in the tie and having their

ends passing from the ends of the same, each rod being connected with a jaw member of each pair of jaw members, springs on the rods for normally holding the rods in a position with the jaw members gripping the rails and handles on the outer ends of the rods for adjusting the same.

1,538,822. GOLF APPARATUS. WILLIAM M. KENNEDY, Washington, D. C. Filed Aug. 29, 1923. Serial No. 659,986. 6 Claims. (Cl. 273—34.)



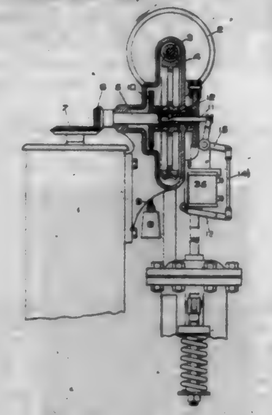
2. Golf apparatus comprising a liner having an inverted cone therein secured at the periphery of its base to the interior of said liner with its apex above the base of said liner and having a restricted opening at said apex, combined with a marker rod having a point to be received in and supported by said restricted opening, drainage passages between said rod and said opening and an inverted cone secured to said rod at its apex with drainage openings adjacent said rod and with the periphery of its base approximately equal in diameter to that of said liner, whereby free drainage of water is secured and the entrance of trash to the lower inverted cone is prevented.

1,538,823. STORM-SASH OPERATOR AND LATCH. JOSEPH L. KILLION, Minneapolis Minn. Filed Feb. 17, 1923. Serial No. 619,783. 1 Claim. (Cl. 292—268.)



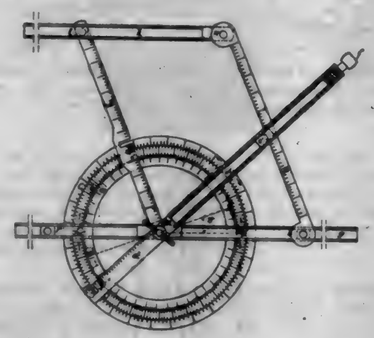
A storm sash operator and latch comprising a pair of toggle levers in parallelogram arrangement, a bracket applicable to a window sash, an anchor applicable to a window frame and having a thumb screw, and a hook-acting latch, one of the links of the toggle levers and the hook-acting latch being pivoted to the bracket and the other links of the toggle levers being pivoted to said screw, said hook-acting latch being arranged to be interlocked with the screw by a swinging movement transversely of the movement of the toggle levers, said thumb screw affording common means for simultaneously clamping the respective links of the toggle levers and the hook-acting latch the one upon the other and onto the anchor to frictionally hold the toggle levers and hook-acting latch against pivotal movement.

1,538,824. APPARATUS FOR AUTOMATIC SPEED CONTROL OF ELECTRIC MOTORS. JAMES LEWIS KIMBALL, Salem, Mass., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass., a Corporation of Massachusetts. Filed June 19, 1924. Serial No. 721,098. 12 Claims. (Cl. 103—25.)



1. In a fluid pressure regulator, the combination with a motor controlling mechanism and a motor operated device for governing said mechanism, of an automatic clutch, associated with said device and adapted to disengage the motor operated device from the motor controlling mechanism on a failure of the motor operated device to control the motor controlling mechanism, and means to return the motor controlling mechanism to its neutral position when disengaged from the motor operated device.

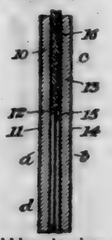
1,538,825. APPARATUS FOR DETERMINING THE DATA FOR THE LAYING OF GUNS INDIRECTLY. ARIE KOOIMAN, The Hague, Netherlands. Filed Apr. 23, 1924. Serial No. 708,539. 3 Claims. (Cl. 33—75.)



2. Apparatus for providing the data for the laying of guns indirectly, consisting of two graduated concentric circular rings, a main ruler to which one of said rings is fixed, a slidable pin on the main ruler on each side of the ring center, other rulers coacting with the main ruler to form the sides of a parallelogram, one of the other rulers being pivoted to the main ruler in the ring center, the ruler opposite the last mentioned ruler being pivoted to one of said slidable pins, the ruler opposite the main ruler having pivoted and slidable connection with the adjacent rulers respectively whereby to adjust the length of the main ruler and the opposite ruler, all of the rulers being graduated, a fifth

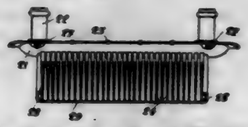
ruler rotatably mounted on the common center and fixed to the other ring, and a pin slidably mounted on the fifth ruler, substantially as described and for the purposes set forth.

1,538,826. ELASTIC WEBBING. MAX KOPS, Riverdale, N. Y., assignor to Kops Bros. Inc., a Corporation of New York. Filed May 31, 1924. Serial No. 715,799. 13 Claims. (Cl. 154—48.)



13. An elastic webbing having an elastic section and an inelastic section composed of strips of material each comprising a sheet of rubber and a layer of knitted silk fabric vulcanized to both sides thereof, an inelastic fabric member in the inelastic section of the webbing, and stitches connecting the edges of the strips of material and the said inelastic fabric member.

1,538,827. RADIATOR. ALEXANDRE LAMBLIN, Paris, France. Filed July 6, 1922. Serial No. 573,172. 6 Claims. (Cl. 184—104.)



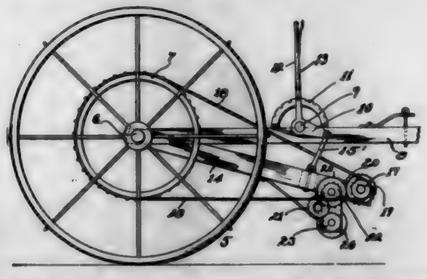
1. A cooling element for oil or similar lubricating product radiators, such element having a transverse section with an enlarged part in which the lubricant circulates constantly in normal working, this enlarged part communicating with a very attenuated part, in which the lubricant can congeal over a more or less great expanse, according to the conditions of cooling.

1,538,828. CARROUSEL SWING. GEORG LAMMERMANN, Nuremberg, Germany. Filed Dec. 13, 1922. Serial No. 606,654. 5 Claims. (Cl. 272—41.)



1. A carrousel-swing including a passenger-carrying support, and a suspending device therefor including a suspending structure; said structure including the combination of means for suspending the same and the support so as to permit swinging of the support, a member rotatable about the axis of said suspending means, a rotatable grooved disc, and means for causing simultaneous rotation of the disc and said rotatable member, said means including a flexible member engaging the groove of the disc, and guiding devices on the rotatable member also engaged by the flexible member, said guiding devices for holding the flexible member to the groove of the disc, whereby when said flexible member is pulled, the disc is rotated, the rotatable structure is also rotated and the flexible member is nevertheless maintained in engagement with the groove of the disc.

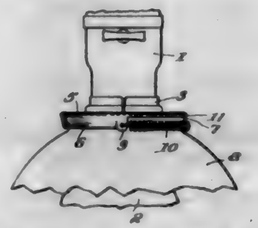
1,538,829. WEED PULLER. PETER N. LARSON, Stockton, Calif. Filed June 28, 1923. Serial No. 648,325. 10 Claims. (Cl. 55—66.)



1. A weed puller comprising a pair of oppositely driven co-acting rolls, occupying substantially the same horizontal plane, and a deflector correlated to said rolls and arranged in the same vertical plane with one of said rolls to cause the weed to be deflected into the space between said co-acting rolls for effective pulling engagement therewith.

6. A weed puller comprising a pair of oppositely driven rolls, and a deflector roll arranged in co-acting relation thereto, each of said rolls consisting of independently driven sections, and means for driving said sections.

1,538,830. SPRING SHADE HOLDER. ANDREW LASKY, Scranton, Pa. Filed Oct. 20, 1924. Serial No. 744,731. 2 Claims. (Cl. 240—129.)

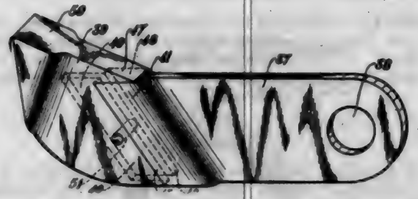


2. A shade holder for electric lamp bulbs, comprising a disk having an inwardly directed peripheral flange of a length less than one-half of the circumference of the disk, said flange having its ends extended to provide ears, a helical spring having its ends secured to the ears, and the periphery of the disk, beyond the flange, being slightly inturned to provide a lip.

1,538,831. CENTRIFUGAL HAMMER. GEORGE P. LUCAS, Jersey City, N. J. Filed Aug. 19, 1922. Serial No. 582,887. 3 Claims. (Cl. 83—11.)

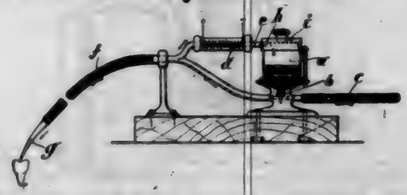
1. A hammer for a centrifugal device comprising an arm provided adjacent one end thereof with an opening for pivotal suspension, said arm extending at one of its

lateral faces substantially rectilinearly for its entire length, the opposite end of said arm having a projection, and a removable head formed of material of greater refractory character than the material of said arm, said head having at one end thereof a groove extending sub-



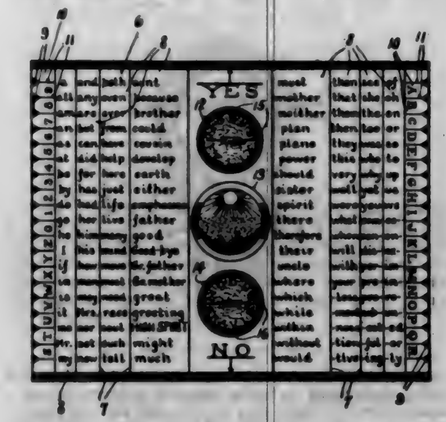
stantially the full length of said opposite end of said arm constructed to be received within said projection of said arm, said head further including a projection extending laterally of said arm when said head is assembled on said arm and in face to face engagement with said lateral longitudinally extending face of said arm.

1,538,832. METHOD AND APPARATUS FOR EFFECTING GOLD OR TIN DENTAL STOPPINGS. CHARLES E. LUCE, Stuttgart, Germany. Filed Mar. 9, 1923. Serial No. 624,034. 2 Claims. (Cl. 32—32.)



1. An apparatus for treating and delivering gold dental stoppings, comprising a receptacle for the material in a finely divided condition, a pressure conduit for delivering the material in its original finely divided condition from the receptacle directly to the tooth, and means for heating the material during such delivery to render the particles of the material cohesive, said heating means forming a part of said conduit.

1,538,833. GAME. WALLACE W. LONG, Detroit, Mich. Filed Oct. 17, 1923. Serial No. 669,123. 1 Claim. (Cl. 273—161.)



A device of the class described comprising a base, a post at each side thereof, means for removably supporting each post, a table movably mounted on the base and a chart carried by the table, said chart being divided into columns and having words and characters in the columns, the end columns having subtsantially triangular spaces of different colors therein, said subtsantially triangular spaces being alternately arranged and are designed to indicate the words and characters in the columns when that part of the table carrying the substantially triangular spaces engages a post, the central column carrying the words "Yes" and "No," one at each end thereof, and a pair of circles, one for indicating rotary movement in one direction and the other rotary movement in the opposite direction.

1,538,834. COLLAR. ARTHUR H. MCCARREL, Washington, D. C. Filed June 13, 1923. Serial No. 645,178. 7 Claims. (Cl. 139—386.)



1. As an article of manufacture, a turned-down collar having a curved fold line and made from a closely woven multiply fabric in which the warp threads run transversely across the fold line, and the filling threads follow the curvature of said fold line, the number of warp threads and filling threads to the inch being uniform throughout the collar.

1,538,835. LOOM. ARTHUR H. MCCARREL, Washington, D. C. Filed June 13, 1923. Serial No. 645,179. 6 Claims. (Cl. 139—188.)



1. In a loom, the combination with a reed, of a lay and reed cap having curved means for securing the upper and lower ribs of the reed so that the dents of the reed develop a substantially cylindrical surface, a shuttle, and means for propelling the shuttle in an arcuate path formed by said cylindrical surface.

1,538,836. WOVEN FABRIC. ARTHUR H. MCCARREL, Washington, D. C. Filed June 13, 1923. Serial No. 645,180. 9 Claims. (Cl. 139—386.)



1. As an article of manufacture, a flat level closely woven multiply fabric for collars in which the warp threads run straight along the length of the fabric and the successive filling threads describe a succession of uniform continuous arcs of equal radii, each extending from selvage to selvage of the fabric.

1,538,837. MANUFACTURE OF ALUMINUM SULPHATE. ARTHUR J. MOXHAM, Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Filed July 25, 1922. Serial No. 577,462. 1 Claim. (Cl. 23—123.)

The process of treating potash-alum which consists in first driving off the water and then separating the sulphates by dissolving the potassium sulphate in strong sulphuric acid and then separating the aluminum sulphate residue from the solution.

1,538,838. CHEMICALLY-PREPARED IRON-BEARING MATERIAL. ARTHUR J. MOXHAM, Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Filed Aug. 14, 1922. Serial No. 581,908. 4 Claims. (Cl. 252—1.)

1. A material suitable for the manufacture of iron and steel which is substantially free of silica and water and contains oxides of iron and other metals resulting from the decomposition by heat of mixed sulfates chemically prepared from an iron ore.

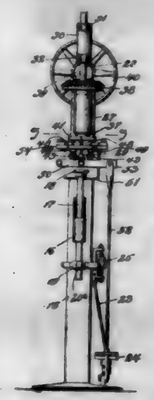
1,538,839. METHOD FOR THE PRODUCTION OF ALUMINUM HYDROXIDE. ARTHUR J. MOXHAM, Odessa, Del., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Filed Dec. 7, 1923. Serial No. 679,269. 16 Claims. (Cl. 23—143.)

1. The process of extracting alumina from minerals containing it, which involves first treating the mineral to obtain a solution of aluminum sulfate and then adding metallic iron to the solution to decompose the sulfate and precipitate aluminum hydroxide.

1,538,840. CHEMICALLY-PREPARED IRON-BEARING MATERIAL. ARTHUR J. MOXHAM, Odessa, Del., assignor to Electro Company, a Corporation of Delaware. Original application filed Aug. 14, 1922, Serial No. 581,908. Divided and this application filed Nov. 14, 1924. Serial No. 749,936. 3 Claims. (Cl. 252—1.)

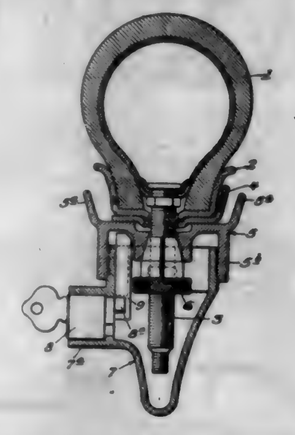
1. A material suitable for the manufacture of iron and steel which is substantially free of silica and water and contains ferric oxide and oxides of manganese, resulting from the decomposition by heat of mixed sulfates chemically prepared from an iron ore.

1,538,841. CAN-MAKING MACHINE. WALTER L. RUTKOWSKI, St. Louis, Mo., assignor to R. C. Can Company, St. Louis, Mo., a Corporation. Filed Mar. 10, 1922. Serial No. 542,721. 3 Claims. (Cl. 113—20.)



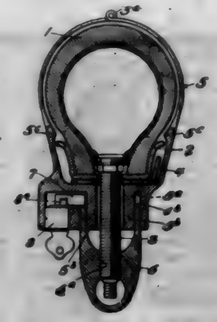
1. In a machine of the class described, a support for a can and can end, a crimping tool, means for bodily rotating the tool around the supported can and can end, a lever for supporting the tool, a cone carried by the axis of the tool, an open ringshaped element having an inclined inner surface for engagement with said cone and means for moving the ringshaped element to effect movement of the tool in a crimping direction.

1,538,842. TIRE LOCK. THEODORE D. STANLEY, Detroit, Mich., assignor to Leland Lock Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 18, 1920. Serial No. 431,683. 16 Claims. (Cl. 70—129.)



1. A device of the class described comprising, in combination, a lock-housing member and a cooperative member detachably-connectable therewith; said lock-housing member containing a lock and lock-controlled means for engagement with said other member to lock the two members together; means whereby one said member may be fastened to the valve-stem of a pneumatic tire before applying the other member in place, and said other member adapted to provide a cap or cover for the valve-stem and its fastening means.

1,538,843. TIRE LOCK. THEODORE D. STANLEY, Detroit, Mich., assignor to Leland Lock Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 18, 1920. Serial No. 431,684. 8 Claims. (Cl. 70—122.)



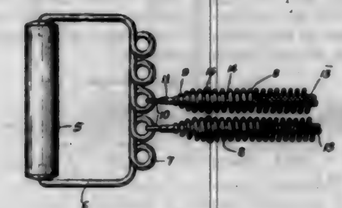
1. A device for locking a pneumatic tire to a tire holder, comprising a holder-engaging member having a passage for the valve stem of the tire and having projections to embrace the tire holder; a screw cap adapted to be screwed upon the valve stem; said member adapted to be held applied to the holder by said screw cap; and means for locking said cap to said member.

1,538,844. PROGRESSIVE EXERCISER. HENRY W. TITUS, New York, N. Y., assignor to Mary Weimar, Brooklyn, N. Y. Filed Mar. 13, 1923. Serial No. 624,712. 2 Claims. (Cl. 272—79.)



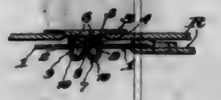
1. A handle for exercisers comprising a grip, a plurality of wire members arranged therein, a plurality of eyes in each of said wire members and off-sets in each of said wire members said offsets impinging one upon the other to retain said eyes away from each other.

1,538,845. PROGRESSIVE EXERCISER. HENRY W. TITUS, New York, N. Y., assignor to Mary Weimar, Brooklyn, N. Y. Filed Mar. 21, 1923. Serial No. 626,448. 4 Claims. (Cl. 272—79.)



1. An exerciser comprising a plurality of elastic members, one within the other and a cover upon one said member and means for securing each end of the other said member to said cover to prevent the movement of said members beyond their elastic limit.

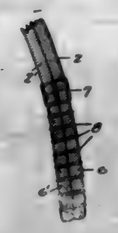
1,538,846. RIBBON-BRACELET CLASP. CHARLES R. TOST, Centerdale, R. I., assignor to The Hadley Company, Providence, R. I. Filed Oct. 9, 1924. Serial No. 742,519. 2 Claims. (Cl. 24—213.)



2. In a clasp, a female member having an opening, a male member having a slot, and a head having sides and a depending part interposed between and spaced from the sides, the sides having shoulders and legs which latter extend through the slot in abutting relation and are clinched to the male member so as to hold the shoulders engaged therewith.

1,538,847. REVERSIBLE HAT. ROY C. WHEELER, Berkeley, Calif. Filed Nov. 6, 1922. Serial No. 599,416. 3 Claims. (Cl. 2—175.)

3. A unitary reversible hat comprising twin crown elements and twin brim elements superimposed one upon the other and made of similar material, said twin brim elements abutting the crown elements edge to edge and lying substantially flush with the crown elements to produce a smooth exterior surface on both sides of the juncture of the brims and crowns, connecting means for



the crowns and brims which permit quick reversibility of the hat and brim to thereby expose different sides of the crown and brim elements, substantially as described.

1,538,848. RECEPTACLE AND CLOSURE THEREFOR. JOHN L. DUNNOCK, Baltimore, Md., assignor of one-half to Harry O. Brawner, Baltimore, Md. Filed June 6, 1924. Serial No. 718,216. 2 Claims. (Cl. 215—44.)

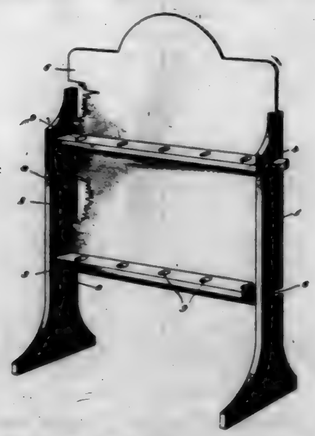


1. The combination with a bottle cap having a skirt provided with a series of spaced lugs projecting inwardly of the skirt; of a bottle having a neck provided with a similar series of projections on its outer face, each of said projections consisting of a portion extending longitudinally of the neck from the base of said neck to the mouth and a lateral portion extending from one side of the first portion circumferentially of the neck toward the adjacent projection and terminating in spaced relation to the adjacent projection whereby said projections form a series of substantially L-shaped grooves each having a vertical leg opening at the mouth of the neck to receive a respective lug and a horizontal leg into which said lug engages, the circumferential portion of each projection having the side toward the base of the neck curved to form a cap tightening cam, said groove being suddenly deepened at its inner end to provide a lug receiving recess at the inner end of the horizontal leg of each groove and extending radially of the neck into the material thereof.

1,538,849. DISPLAY STAND. GEORGE EGER, New Britain, Conn., assignor to The Stanley Works, New Britain, Conn., a Corporation of Connecticut. Filed July 18, 1923. Serial No. 652,289. 1 Claim. (Cl. 211—14.)

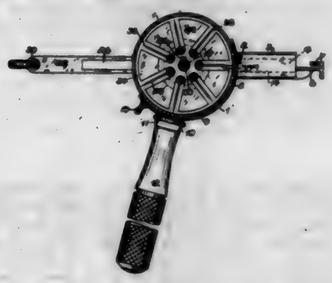
A display stand comprising a pair of standards, a back, and a cross bar, each standard having a vertical groove in its inner side opening through the top of the standard and provided with a horizontal recess extending from its rear edge and intersecting and extending for-

wardly from said vertical slot, said cross bar having notched opposite ends adapted to fit in the horizontal recesses forwardly of the vertical grooves of the stand-



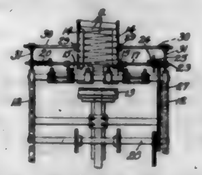
ards and interlock with the latter, said back adapted to slide downwardly in the grooves and behind said notched ends of the cross bar to lock the same in position.

1,538,850. SAFETY RAZOR. ALBERT EMANUEL GINSBERG, Liverpool, England. Filed Apr. 13, 1923. Serial No. 631,796. 11 Claims. (Cl. 30—12.)



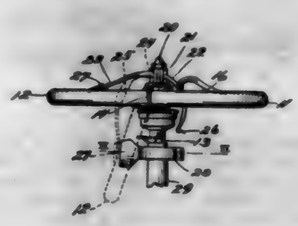
1. A safety razor which comprises a casing adapted to revolubly hold a plurality of shaving blades; a guard; and means whereby a shaving blade, in said casing may be radially carried to position for use, or withdrawn into said casing.

1,538,851. ASSEMBLING MECHANISM FOR BOX-MAKING MACHINES. HAROLD J. GOSS, Nashua, N. H., assignor to The Lake Erie Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 5, 1924. Serial No. 718,147. 6 Claims. (Cl. 93—55.)



1. Mechanism for assembling boxes, comprising a throat, means for successively pushing boxes into said throat, and means for alternately shifting the boxes in opposite directions as they enter said throat.

1,538,852. ADJUSTABLE LOCKING DEVICE FOR STEERING WHEELS. CARL ARTHUR HAGBERG, Wichita, Kans., assignor to Fold-O-Lock Steering Wheel Mfg. Corporation, Wichita, Kans., a Corporation of Kansas. Filed Jan. 30, 1922. Serial No. 532,886. 9 Claims. (Cl. 74—33.)



1. Locking means for steering gear comprising, in combination with a fixed steering column, a steering wheel formed with a movable segment, a locking element carried by said movable segment, and a companion locking element carried by said steering column and movable into different positions about the axis of said column, thereby adapting said companion element for locking engagement with the element carried by said movable segment regardless of the position of said wheel with reference to the axis of said steering column.

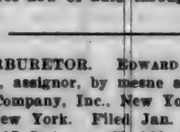
1,538,853. BELT GUARD. ROBERT T. HAZELTON, Cincinnati, Ohio, assignor to The Cincinnati Shaper Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 1, 1924. Serial No. 729,621. 6 Claims. (Cl. 74—55.)



3. In a device of the class described, a circular housing adapted to be rotatably attached to a support and having a circumferential arcuate slot in its circular side, a pair of hollow casings extending from the housing overlying and in registry with the slot, each having a removable side wall, said walls opposingly related, said casings adapted to be angularly adjusted toward and away from each other and further adapted to be brought together to form a single chamber, when said side walls are removed.

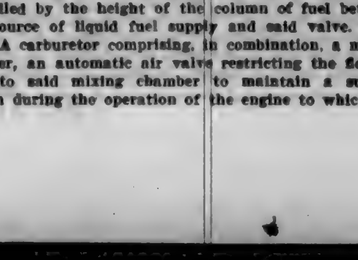
1,538,854. STEERING-WHEEL MARKER. CHESTER A. HULL, Peru, Ind., assignor to The Imperial Brass Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 20, 1924. Serial No. 744,734. 3 Claims. (Cl. 116—31.)

1. A steering wheel marker comprising a stiff one-piece C-shaped metal clip longitudinally channeled on its inner side to provide sharp edges adapted to bite into a wheel rim around which the device is sprung, the outer side



of said clip being beveled at its edges to prevent the driver's hands from catching thereon and having a tendency to laterally displace the clip.

1,538,855. FUMIGATING APPLICATOR. RALPH M. JACKSON, La Habra, Calif. Filed Sept. 29, 1924. Serial No. 740,568. 2 Claims. (Cl. 299—97.)

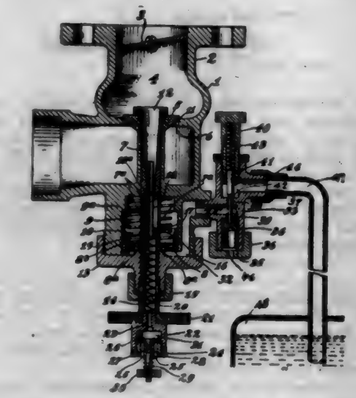


1. A portable fumigating applicator adapted to be carried by hand, including a supply receptacle for fumigating fluid, base means, supporting means attached to said base means, vertically disposed pump measuring and discharging means for measuring and discharging said fluid from said receptacle the measurement thereof representing a plurality of units, vertically disposed lever means for actuating said pump means said lever being supported by said supporting means, a measure controlling member for controlling the said lever means and for determining the unit measurement of the said measuring means, atomizing nozzle means laterally spaced from the said pump means, and fluid conducting means for connecting said nozzle means with said pump means, and a positive acting manually operated valve means associated with said nozzle mean and co-operating with said lever and pump means, said valve adapted to control the free flow of fluid through the said nozzle means.

1,538,856. CARBURETOR. EDWARD KNAUSS, Mount Vernon, N. Y., assignor, by mesne assignments, to K. P. Products Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 16, 1920. Serial No. 351,857. 17 Claims. (Cl. 261—72.)

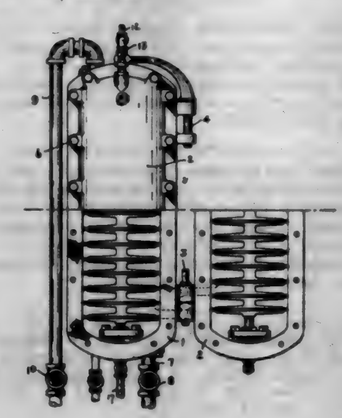
1. A carburetor comprising in combination a fuel nozzle, a conduit leading from said fuel nozzle to a source of liquid fuel supply, a valve adapted to cut off the flow of liquid fuel through said conduit, automatic means for closing said valve when the carburetor is not in action and opposing automatic means actuated by the vacuum in the conduit between said nozzle and said valve adapted to open said valve to varying degrees against the resistance of the first mentioned automatic means, the degree of opening of said valve being in part controlled by the height of the column of fuel between said source of liquid fuel supply and said valve.

12. A carburetor comprising, in combination, a mixing chamber, an automatic air valve restricting the flow of air into said mixing chamber to maintain a suction therein during the operation of the engine to which the carburetor is attached, a fuel port delivering into said mixing chamber, a source of fuel supply the level of which varies both above and below said fuel port, a variable valve in the fuel passage between said source and said port, and means operated by suction derived from said mixing chamber and existing between said



valve and said port for controlling the position of said valve to assist in maintaining a delivery of fuel which changes for each change in position of said air valve but which is constant for each position of said air valve regardless of changes in the relative heights of said source of supply and said port.

1,538,857. HEATER. ARTHUR H. LIGHT, Oakland, Calif. Filed Oct. 9, 1922. Serial No. 593,481. 4 Claims. (Cl. 257—218.)



1. A heater comprising a chamber formed of co-operating section members each provided with a supply pipe for a heating fluid and a plurality of relatively flat hollow heating units supported from said pipe, the units in one of said members adapted to pass between the units of the other member and the outer surfaces of the units forming a tortuous passage for other fluid to be heated when the parts are assembled in operative relation, ports for the supply of heating fluid from the pipes to the units, discharge ports from each unit and a discharge passage for expended fluid, and inlet and outlet connections to said chamber for said other fluid.

1,538,858. FABRIC AND PROCESS OF MAKING SAME. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Original application filed Jan. 12, 1918, Serial No. 211,661. Divided and this application filed Apr. 22, 1918. Serial No. 229,891. 3 Claims. (Cl. 106—37.)



1. A process consisting of intimately mixing hydrous nitrocellulose and a liquid aromatic phosphate in the proportion of approximately 40 parts of the phosphate to 100 parts of the nitrocellulose, extracting the moisture from said mixture, incorporating in such mixture more than 60 parts of additional liquid aromatic phosphate by the aid of a volatile solvent, and applying the resulting composition in the form of a thin sheet to a supporting fabric.

1,538,859. CELLULOSE COMPOSITION AND PROCESS. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Apr. 24, 1922. Serial No. 556,311. 11 Claims. (Cl. 106—37.)

1. A composition of reduced inflammability containing a cellulose ester and an aromatic phosphate and in close association therewith aluminum phosphate.

1,538,860. COMPOSITION. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed Mar. 29, 1923. Serial No. 628,435. 12 Claims. (Cl. 106—37.)

1. A composition comprising a cellulose derivative, a plasticizing agent therefor comprising an aromatic phosphate and a fire-retarding agent comprising magnesium di-hydrogen ortho-antimonate.

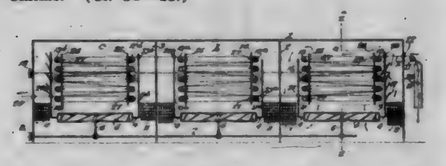
1,538,861. PYROXYLIN COMPOSITION. WILLIAM G. LINDSAY, Newark, N. J. Filed July 2, 1923. Serial No. 649,172. 12 Claims. (Cl. 134—79.)

1. A composition comprising pyroxylin and a plasticising agent therefor comprising a fatty acid ester of secondary butyl alcohol.

1,538,862. CELLULOSE COMPOSITION. WILLIAM G. LINDSAY, Newark, N. J., assignor to The Celluloid Company, a Corporation of New Jersey. Filed June 6, 1924. Serial No. 718,228. 13 Claims. (Cl. 106—37.)

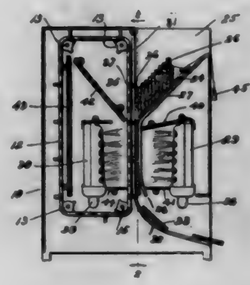
9. A tough consolidated non-inflammable cellulose composition containing cerium oxalate.

1,538,863. WARP DRIER. EDGAR B. KERST, Providence, R. I., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1924. Serial No. 750,585. 8 Claims. (Cl. 34—48.)



6. The combination in a warp drier, of a drying compartment having a horizontal partition near the bottom thereof, said partition having a fan opening; a fan located in the opening; means for driving the fan; vertical partitions spaced from the ends of the compartment; heating pipes in the spaces between the vertical partitions and the ends of the compartment; two series of rollers located in the space between the partitions, said rollers being spaced apart to allow the warps to pass around the rollers; and vertical and horizontal separators at the said rollers for separating the strands of warps.

1,538,864. TOASTING MACHINE. HARRY S. MORRISON, Auburn, R. I. Filed Jan. 29, 1924. Serial No. 689,382. 8 Claims. (Cl. 126—41.)



1. In a portable toasting device, a pair of heating elements, a carrier for passing a slice of bread vertically between said elements at a predetermined speed whereby it is toasted on both sides, and means for engaging and positively withdrawing the toasted slices from said carrier.

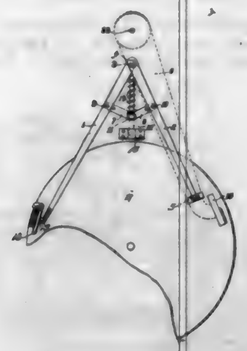
1,538,865. PORTABLE AMPLIFIER FOR RADIO SETS. HERMAN P. PORTER, Washington, D. C. Filed Oct. 28, 1924. Serial No. 746,320. 2 Claims. (Cl. 181—27.)



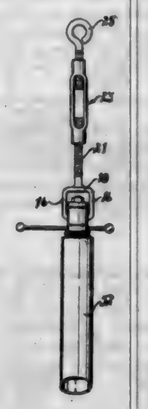
1. As a new article of manufacture, a sound amplifier of the character described, comprising an independent and disconnected structure formed with a horizontally positioned hollow circular body member having a solid imperforate concavo-convex rear end deflecting wall, a smooth, empty and unobstructed circular interior surface extending throughout its length, an open front portion of sufficient area to permit the insertion of loosely placed acoustic receivers therein, said instruments being so disposed within said circular interior as to allow the sound waves to freely emanate therefrom and to cause the sound emanating from the structure to be amplified by said amplifier, and a supporting base.

1,538,866. SOUND RECORDING AND REPRODUCING MACHINE. HAROLD ALFRED ROOMES, Cardiff, Wales. Filed Sept. 19, 1924. Serial No. 738,626. 5 Claims. (Cl. 274—1.)

2. A speed controlling device for a sound recording and reproducing machine using disk records and having a sound arm, comprising a pair of guide rods pivotally mounted at a common center adjacent the axis of oscillation of the sound arm and adapted to lie at opposite sides of the center of the record, speed control means carried by a guide rod and engageable with the record, the other guide rod being connected to the sound arm, a slide rod fixedly arranged in a line dividing the angle between said guide rods, a block slidable upon said slide rod, and links pivotally connecting said guide rods and block whereby movement of the sound arm toward the center of the record causes corresponding movement of the arm carrying the speed control means.

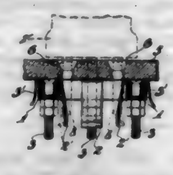


1,538,867. PIPE-SUPPORTING MEANS AND MORE ESPECIALLY TO PIPE LIFTERS. PETER J. GARVIN, New York, N. Y. Filed Sept. 17, 1923. Serial No. 663,286. 1 Claim. (Cl. 294—86.)



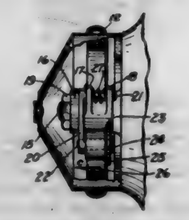
Means for lifting and alining fluid conduits comprising hoisting means provided with fine adjustment for purposes of alinement and bifurcated to pivotedly engage a body, said body provided with socket means receiving the extremities of said bifurcated means and provided with a longitudinal bore journalling a rotatable arbor, said rotatable arbor provided with a bearing section engaging said bore, an enlarged portion engaging the end of said body, a reduced portion receiving a thrust collar engaging the other end of said body and a series of threaded portions adapted to engage the interior of the conduit and to cut into the walls thereof for securing the conduit thereto that the same may be lifted and by means of said pivoted, lifting and journalled means correctly alined and secured.

1,538,868. HOLDER FOR THERMIONIC VALVES. MALCOLM COOPER, Balham, England, assignor to The H. T. C. Electrical Co: Limited, London, England, a British Company. Filed Aug. 26, 1924. Serial No. 734,292. 3 Claims. (Cl. 173—328.)



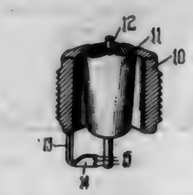
1. A holder for thermionic valves with a plurality of pins or legs and suitable for fixing to a panel, comprising a ring of insulating material, contact springs each with one arm extending outwards, holed for external connection and secured to the said ring at a suitable interval from the adjacent springs so as to coincide with the positions of the valve legs and holes in the panel, and with the other arm projecting into and through the ring and longitudinally aligned with and inwardly inclined towards the corresponding valve leg and curved from the same centre, a bolt through the outwardly extending arm of each contact spring fitted with nuts, a metal insert to accommodate each bolt and screws for fixing the ring to the panel.

1,538,869. TIMER. HENRY W. MUHLEISEN, Los Angeles, Calif., assignor to W. S. Rush & Co., Los Angeles, Calif., a Partnership consisting of W. S. Rush, E. S. Rush, and B. C. Graves. Filed Feb. 7, 1921. Serial No. 443,067. 6 Claims. (Cl. 200—26.)



2. In a timer, the combination of: conducting sections insulated from each other and cooperating to form an annular track; members rotating inside and about the axis of said track; a roller carried on said members; a flange on said roller; and means for holding the periphery of said roller against the inner surface of said track and the flange of said roller against the edge of said track.

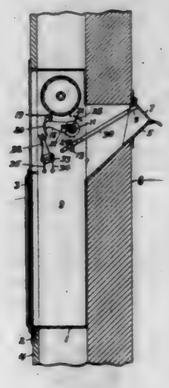
1,538,870. SPARK PLUG. ALBERT CHAMPION, Flint, Mich., assignor to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed Mar. 8, 1920. Serial No. 364,015. 4 Claims. (Cl. 123—169.)



1. In a spark plug of the class described, an external hollow metallic shell or casing; an outer electrode oblong in cross section carried by said shell and projecting from

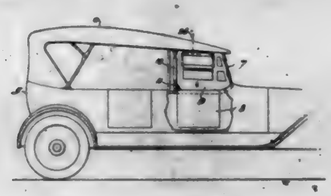
the inner end thereof, and the arrangement of which electrode is such that its longer dimension extends circumferentially of the end of said shell or casing; and a central electrode supported by an insulating member secured in place within said shell; the free end of said outer electrode being bent substantially at right angles to the fixed portion thereof, and twisted through an angle of substantially ninety degrees, and the extremity of which outer electrode extends substantially parallel with and lies adjacent the said central electrode and is provided with a plurality of sparking points or teeth.

1,538,871. MAIL BOX. HOMER KRICK, Fort Wayne, Ind., assignor of one-half to William H. Scherer, Fort Wayne, Ind. Filed Apr. 2, 1923. Serial No. 629,318. 3 Claims. (Cl. 232—19.)



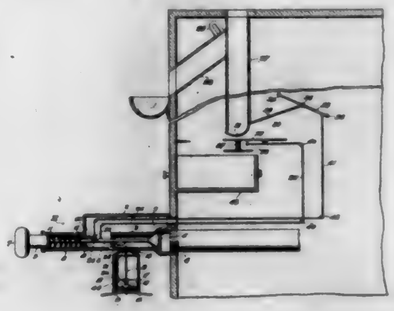
1. In a mail receptacle, a box having an inlet chute; a hinged lid closing the chute; a revolubly adjustable stud mounted in said box; an actuating member mounted on the stud and having a laterally projecting jaw and radial arm; a hammer mounted on said stud and having a jaw engageable by the jaw on the actuating member; a guide pin extending between the hammer and the actuating member and being adjustably movable with said stud; a spiral spring on said stud having fixed relation at one end therewith, and at its other end with said hammer; a signal means with which the hammer has operable relation; and means connecting said lid with the arm on the actuating member.

1,538,872. CURTAIN-STRETCHER ROD. WILFRED R. MILNER, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed June 10, 1921. Serial No. 476,488. 5 Claims. (Cl. 296—139.)



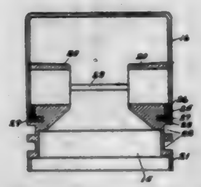
4. In vehicle curtain construction, the combination of a curtain, reinforcing bars extending along the upper and lower edges respectively of said curtain, and a curtain rod comprising telescoping sections and spring means for extending said sections, said sections being detachably engaged with said bars to support and stretch the curtain, and detachable by longitudinal movement of the sections in a direction to compress said spring means.

1,538,873. COIN-CONTROLLED DISPENSING MECHANISM. EZEKIEL MASON ROBERTS, St. Louis, Mo. Filed Sept. 11, 1922. Serial No. 587,568. 2 Claims. (Cl. 194—32.)



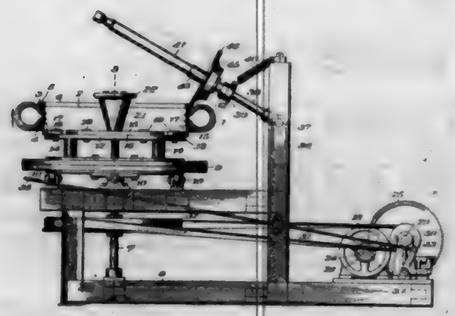
1. In a device of the class described, a reciprocating member, a lock for said reciprocating member, and means for operating said lock including a coin chute, a coin trap, said coin trap being pivoted at one extremity and having lateral arms extending therefrom, the opposite extremity being cupped to form a coin receiver, a weight carried by one of said arms, a flexible connection between the other lateral arm and the lock, a stop for said coin trap, and flexible means connecting said reciprocating member and stop to cause a downward movement of the latter upon movement of the former.

1,538,874. PISTON FOR INTERNAL-COMBUSTION ENGINES. CHARLES R. SHORT, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Jan. 18, 1922. Serial No. 530,186. 2 Claims. (Cl. 74—108.)



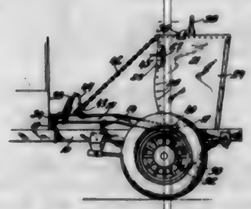
1. A piston comprising a sheet metal member adapted to form a head and the greater portion of the cylindrical sides thereof; a cast member provided with piston pin bosses in a restricted end portion thereof, which end portion is adapted to fit within the first member, and is provided with peripheral grooves at its other and unrestricted end; and means for securing said sheet metal member over the restricted end portion of said cast member, with the head portion thereof spaced apart from the upper extremity of said cast member, so that the cylindrical sides of said sheet metal member serve as the sole support for said head.

1,538,875. TIRE MOUNTING AND DEMOUNTING APPARATUS. HORACE D. STEVENS, Akron, Ohio, assignor to The Firestone Tire & Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 5, 1923. Serial No. 616,920. 6 Claims. (Cl. 157—6.)



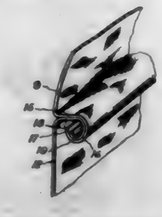
1. In a tire mounting and demounting apparatus, a rotatable support for a tire carrying rim, movable clamping means for the rim, a power shaft, and a single operative device for moving the clamping means and simultaneously connecting the support for driving relation to the power shaft.

1,538,876. TILTING-BODY VEHICLE. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 7, 1922. Serial No. 573,427. 4 Claims. (Cl. 298—10.)



1. In a dumping body vehicle of the class described, a suitable frame having oppositely disposed side members; two tracks or rails supported by said side members and extending longitudinally of the frame, and which tracks are spaced inward from the vertical planes of said side members so as to lie closer together than said members; and a tilting body narrower than said frame and resting upon said rails, and having a pouring lip at its rear end; said body being so supported that said lip is always in front of the rear ends of said side members.

1,538,877. MOTOR-VEHICLE-HOOD HINGE. GEORGE BATT, Brooklyn, N. Y., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 29, 1920. Serial No. 399,844. 5 Claims. (Cl. 16—128.)



1. In a hood for motor driven vehicles, two door sections formed from sheet metal and the adjacent edges of which are bent inward to provide substantially horizontal shelf portions which contact with one another when the hood is closed, and then downward and outward to provide interengaging rolled portions extending along and continuous from one end of each section to the other, and which rolled portions provide a pivotal or hinge joint connection between said section; said rolled portions lying one within the other and the same being greater in height than in width so that the hinge connection aforesaid will be tight when the sections are in their closed condition, and loose when the sections are in their open condition.

1,538,878. HOLDER FOR WRITING IMPLEMENTS AND THE LIKE. ALBERT JAHN, Berlin, Germany. Filed Aug. 31, 1923. Serial No. 660,360. 2 Claims. (Cl. 120—103.)



1. In a pen or like holder the combination of a straight shaft with a gripping portion having a flat top surface and two downwardly converging, convex side surfaces, the gripping portion being disposed eccentrically relative to the shaft of the holder with the top surface extended towards the right so as to meet the adjoining convex surface at an acute angle, substantially as set forth.

Patents Nos. 1,538,870 to 1,539,817.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
Issue of May 26, 1925	787
Attorneys—Disbarment	787
Interference Notices	787
Applications Under Examination	788
Commissioner's Decisions—	
Ex parte Putnam	789
Decisions of the U. S. Courts—	
Tupelo Cotton Mills v. American Bleached Goods Co., Inc	791
Adjudicated Patents	791
Trade-Marks Canceled	791
Patent Suits	792
Trade-Marks Published (222 Applications)	793
Trade-Mark Registrations Granted	821
Trade-Mark Registrations Renewed	833
Reissues	835
Designs	837
Patents Granted	845

Issue of May 26, 1925.

Trade-Marks	203—No.	198,663 to No.	198,865,	inclusive.
T. M. Renewals	25			
Reissues	8—No.	16,060 to No.	16,067,	inclusive.
Designs	28—No.	67,399 to No.	67,427,	inclusive.
Patents	939—No.	1,538,879 to No.	1,539,817,	inclusive.
Total	1315			

Attorneys—Disbarment.

(Order No. 2,904.)

U. S. Patent Office, *Washington, Apr. 14, 1925.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, John J. Donnelly, of 5110 Detroit Street, Cleveland, Ohio, whose registration number is 10,268, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

(Order No. 2,905.)

U. S. Patent Office, *Washington, Apr. 14, 1925.*

Acting under the provisions of section 487 of the Revised Statutes of the United States, as amended February 18, 1922, John H. Clark, of 1407 New York Avenue NW., Washington, D. C., whose registration number is 11,770, has this day been disbarred from practice before the United States Patent Office.

THOMAS E. ROBERTSON,
Commissioner.

Interference Notices.

U. S. Patent Office, *Washington, May 1, 1925.*

Westerly Shirt Co., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Orent's Department Store, Inc., 1225 Broadway, New York, N. Y., for registration of a trade-mark and trade-mark registered October 22, 1912, No. 88,814, to Westerly Shirt Co., of Westerly, R. I., and 23-25 East Twenty-first Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Westerly Shirt Co., at Westerly, R. I., as well as letters forwarded by the attorney of record to both of the above addresses having been returned to the respective senders by the post-office authorities as undeliverable, notice is hereby given that unless said Westerly Shirt Co., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, May 5, 1925.*

Dawson Metals Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Samuel R. Dawson, of 395 St. Johns Place, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered November 2, 1920, No. 136,396, to Dawson Metals Inc., 52 Vanderbilt Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Dawson Metals Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Dawson Metals Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, May 5, 1925.*

Isaac J. Silverstein, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Linen Thread Company, 96-98 Franklin Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 16, 1912, No. 86,169, to Isaac J. Silverstein, 147 Spring Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Silverstein at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Silverstein, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, Mar. 30, 1925.*

The New-Tone Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of McGregor Chemical Co., 340 East Seventy-fifth Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered November 9, 1915, No. 106,988, to The New-Tone Company, 431 North Clark Street, Chicago, Ill., and a notice of such declaration sent by registered mail to The New-Tone Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The New-Tone Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business May 15, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 44,868; Trade-Mark Division, 2,379. Oldest new case, Nov. 17, 1924; oldest amended, Nov. 17, 1924. The dates given are 1925 except where † indicates 1924.) DIVISIONS, EXAMINERS, AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action: New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 4	Feb. 20	632
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Jan. 27	Jan. 22	470
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 30	Apr. 7	298
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb 9	Jan. 20	616
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 17	†Dec. 17	973
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilisers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 26	†Nov. 26	918
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 15	Jan. 16	962
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 16	Jan. 2	1,434
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 29	Mar. 4	596
118	10. BARTHOLOMEW, J. A., Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 16	Jan. 21	1,001
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Feb. 26	Mar. 9	724
330	12. PIERCE, P. P., Machine Elements	Jan. 16	Jan. 17	732
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	†Dec. 15	Jan. 17	1,157
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 13	Mar. 5	310
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 16	Jan. 20	966
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Dec. 4	†Dec. 9	1,018
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Jan. 29	Mar. 6	386
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 8	†Dec. 10	822
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 13	Feb. 16	518
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 9	Jan. 19	840
312	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Dec. 16	Mar. 13	445
106	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion; Game Apparatus.	Feb. 13	Feb. 14	386
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 24	Jan. 8	409
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Jan. 26	Feb. 2	824
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Feb. 3	Mar. 7	703
225*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Nov. 22	†Nov. 28	760
314	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 2	Feb. 14	713
225	28. BENSON, A. R., Internal-Combustion Engines	Mar. 22	Mar. 21	708
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Nov. 17	†Dec. 15	1,052
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines.	Feb. 10	Feb. 10	897
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Feb. 27	Feb. 24	819
249	32. BANCROFT, J. F., Gas and Liquid Contact Apparatus; Heat Exchange	Jan. 16	Jan. 16	660
152	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 10	Mar. 10	676
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 12	Jan. 14	612
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 7	Feb. 16	625
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 23	†Nov. 17	1,282
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	†Dec. 1	†Dec. 4	1,202
145	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Nov. 17	†Nov. 21	942
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Jan. 26	Feb. 13	435
360	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	†Dec. 16	†Dec. 15	1,707
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 3	Jan. 22	593
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Dec. 13	†Dec. 4	1,140
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Dec. 15	†Dec. 26	872
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	†Dec. 29	†Dec. 17	770
379	45. GILES, A. H., Journal Boxes, Pulleys, and Shafting; Lubrication	†Dec. 27	Jan. 2	791
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	†Dec. 15	†Dec. 8	710
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 9	Jan. 8	1,306
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 17	†Nov. 17	1,702
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 17	Jan. 21	721
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Dec. 5	†Dec. 6	1,355
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 17	†Dec. 11	2,125
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 21	Mar. 14	826
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	†Dec. 20	†Dec. 19	1,047
102	DESIGNS: C. O. MARKHAM (Acting)	Apr. 20	Apr. 28	290
163	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. {Trade-Marks	Apr. 14	May 1	1,946
	{Labels and Prints	Apr. 1	Apr. 16	333

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

EX PARTE PUTNAM.

Decided November 25, 1924.

1. SUPERVISORY AUTHORITY OF THE COMMISSIONER OF PATENTS TO REVIEW FAVORABLE DECISIONS OF THE EXAMINERS IN CHIEF.

The Commissioner has supervisory authority to review favorable decisions of the Examiners in Chief on the question of patentability.

2. INVENTION—CHANGES IN DEGREE—NOVELTY—DEPARTURE FROM PRIOR TEACHINGS OF THE ART—SCRAPPING OF OLD MACHINERY—MARKED POPULARITY.

Where claims distinguished from standard pneumatic tires by specifying a substantially reduced inflation pressure, a substantial increase in cross-section, and a substantial decrease in the ratio of wall thickness to cross-sectional diameter, and a showing was made that the tire set forth by the claims was so radically new that the tire industry was reluctant to concede its practicability, that when finally adopted it compelled many large manufacturers to substitute this tire for the one formerly used notwithstanding the necessity for making alterations at great expense, and where the new tire met with such marked favor that plans were held up and orders canceled in order to make necessary changes, *Held* that applicant's tire was new and produced a new result that was not obvious or suggested by an oversized underinflated tire.

[Note.—This application has resulted in Patent No. 1,587,879, May 12, 1925.]

APPLICATION for patent.

Question of patentability.

PNEUMATIC-TREADED VEHICLE WHEEL.

Application filed August 13, 1920, Serial No. 403,192.

Messrs. Whittemore, Hulbert & Whittemore for the applicant.

ROBERTSON, *Commissioner:*

This case is before me to determine the patentability of three claims presented on June 24, 1924.

Before considering these claims it is desirable to state the history of the application.

When the case was before the Primary Examiner, the four claims in the case were finally rejected on April 5, 1922. In response to a request for reconsideration the Examiner repeated this final rejection under date of April 3, 1923. An appeal was thereupon taken to the Examiners in Chief who, on December 21, 1923, reversed the decision of the Examiner as to the four claims then in the case and recommended that a fifth claim, referred to in the decision of the board, be also considered allowable. On appeal additional claims 6, 7, and 8 were also proposed, but the Board of Examiners in Chief did not find these claims allowable. On February 15, 1924, the applicant canceled claims 5, 6, 7, and 8 and inserted new claims 5, 6, 7, 8, and 9. These claims were presented to the Board of Examiners in Chief, who approved their allowance.

[1] The Examiner then considered this application allowable, but before the case could be sent to issue it became necessary, in view of a possible interference, to refer the case to a Law Examiner. In this way my attention was called to the case and after giving it careful consideration, under the authority of the decision of the Court of Appeals of the District of Columbia in *Moore, Commissioner of Patents*, v. *U. S. ex rel. Chott*, 40 App. D. C. 591; 192 O. G. 520; 1913 C. D. 427, a letter was sent to the applicant as follows:

My attention has been called to the claims in this application in view of a possible interference. After a careful review of them I have been unable to bring myself to the conclusion that the claims are patentable over the ordinary oversize tire, especially when the latter is used with less than the maximum pressure, a condition under which tires are often intentionally used.

While some of these claims bring out the feature of the side walls being of a thickness differing from that of the standard tire, it is nevertheless a fact that it is common in different makes of tires to have different thicknesses of side walls. An oversize tire with walls thinner than the average would seem to anticipate this feature.

Before directing the rejection of these claims under my supervisory power an opportunity will be afforded the applicant to make such showing as he sees fit to convince me that the claims involve patentable subject-matter.

Thirty days are therefore given the applicant for this purpose.

In the absence of any showing, the claims will be rejected.

In view of this action the case was set for formal hearing on June 23, 1924, and was argued orally. At this hearing, in addition to the art of record, the following publications and patents were considered:

"Journal Automobile": Vol. 29, 1913, July–August, page 298; Sept.–Oct., page 692; vol. 34, 1916, Jan.–Feb., page 194; Mar.–April, page 418; "Pneumatic Tires", by Pearson, 1922, page 247; Hawley, 1,433,008; Jeffery, 803,845; Gammeter, 1,188,062; Sloper, 1,294,318; Sloper (French), 465,626, of 1914.

In view of the hearing applicant filed on June 24th an amendment canceling all the claims previously in the case and inserted three new claims, which read as follows:

1. A pneumatic tire of normally circular cross-section and designed to carry a predetermined normal load at a substantially reduced inflation pressure, modified from standard practice for the same load by a substantial increase in cross-sectional area and a substantial decrease in ratio of wall thickness to cross-sectional diameter.

2. A pneumatic tire of normally circular cross-section and designed to carry a predetermined normal load at a substantially reduced inflation pressure, modified from standard practice for the same load by an increase of at least 50% in cross-sectional area and a substantial decrease in the ratio of wall thickness to cross-sectional diameter.

3. A pneumatic tired vehicle wheel designed to carry a predetermined load at a substantially reduced inflation pressure comprising a wheel body and a tire of normally circular cross-section but modified from standard practice for the same load and tread diameter by a substantial increase in cross-sectional area of the tire and a substantial decrease in the ratio of wall thickness to cross-sectional diameter.

In addition to the oral argument applicant was given an opportunity to file a brief and affidavits, if he so desired, to emphasize the points made in his oral argument. Accordingly, on July 16th, a

brief was filed accompanied by an affidavit of the inventor and affidavits of Howard A. Coffin, Burton S. Gier, C. C. Carton, J. B. Siegfried, John Painter, William E. Williams, and Jesse E. McBride.

Applicant, through his attorneys, strenuously presses the view that these claims define a tire so radically new that it can not be anticipated by the foregoing references or by the use of an oversize tire inflated with less than the maximum pressure; that the tire set forth by these claims is so radically new that the tire industry was reluctant to concede its practicability; that when finally adopted it compelled all the large manufacturers of tires and of the better makes of cars to substitute the tire of this application for the ones formerly used notwithstanding that it was necessary to reorganize the tire-making machinery, the wheel-making machinery, and to otherwise adapt the cars to receive the new type of tire.

The affidavits filed indicate, also, that when this type of tire was finally adopted it met with such marked favor that the plans of various car builders were held up and parts of their orders for wheels and standard tires canceled in order to make the changes found necessary for the use of the new type of tire.

The affidavit of C. C. Carlton, of the Motor Wheel Corporation, of Lansing, Mich., states that the new type of wheel called for by this tire increased in shipments from 125 in July, 1923, to 79,097 in April, 1924.

The affidavit of J. B. Siegfried states that the total production of wheels by his corporation during the calendar year of 1923 was over two million, exclusive of "Fords"; that of this number less than one per cent were for use with balloon tires; and that since January 1, 1924, the ratio of wheels designed for balloon tires to wheels designed for standard tires has shown such an increase that for the first five months of the calendar year 1924 more than 25 per cent of the passenger-car wheels made by his corporation, exclusive of Fords, was for use with balloon tires, and that orders and specifications for delivery during the months of July, August, and September, 1924, show that more than 50 per cent of the total production of wheels manufactured by his corporation, exclusive of Fords, was for balloon tires.

The affidavit of John Painter, formerly sales manager of the Disteel Wheel Corporation, with respect to this invention states that the large manufacturers "were largely very skeptical, even going so far as to ridicule the idea and declaring it to be nonsensical."

The affidavit of W. E. Williams, consulting engineer and an expert in patent causes, states that when the applicant read a paper suggesting use of tires of large cross-section and lower inflation pressure "the discussion which followed in relation to Mr. Putnam's paper, outside of deponent's own remarks, was adverse to what Mr. Putnam proposed."

The affidavit of J. E. McBride, of the Palmer-Bee Company, states that the total amount "of money represented in mold equipment for large tire manufacturing plants runs into the hundreds of thousands and even millions of dollars;" that any change in standard sizes makes the discarding of molds necessary and, hence, means great additional investment for the manufacturing of new molds for such changed standards.

Consideration of the foregoing facts, including the phenomenal increase in the use of this type of tire, the necessity of making new molds costing hundreds of thousands or even millions of dollars, the consequent changing of machinery to provide different sizes of wheels, different mud guards, and even changed steering gear, etc., brings me to the conclusion that the tire of this application discloses more than is found in the prior art and more than is disclosed by the use of an oversize tire using less than normal pressure. In considering this last I have not overlooked the fact that one writer refers to the fact that air pressure with oversize tires might be decreased as the cross-sectional area is increased, as:

> For example, a load which requires a 60-lb. pressure on a 3½ in. tire requires only a 48-lb. pressure on a 4-in. tire, or 42 lb. for 5 in. Also a heavier load, requiring 80 lb. for 3½ in. requires 62 for 4 in., 56 for 5 in., 40 only for 6 in. This diminishing inflation is in accordance with common sense.—C. E. Manierre in "The Automobile," January 27, 1916, p. 194.

[2] Briefly stated, my conclusion therefore is that applicant's tire is new, both in size and structure, and produces a new result that was not obvious or suggested by making an ordinary or standard tire oversize and inflating it to a pressure less than normal.

Considering the three claims filed on June 24th, I find that claims 1 and 2 define a structure that differs from an ordinary tire in its substantial increase in cross-sectional area and a substantial decrease in ratio of wall thickness to cross-sectional diameter, and in its adaptation designed to carry a normal load at a substantially reduced inflation pressure. These two claims define the invention in terms to distinguish from the prior art of record and are deemed allowable.

Claim 3 is for a combination of a vehicle wheel and a tire of the balloon type defined by claims 1 and 2. The combination of a vehicle wheel and a pneumatic tire is, of course, old. In the present case the invention is in the tire per se, and it does not form a new combination to mount such a tire on a vehicle wheel with which it is intended to be used. The entire novelty in this claim, except for the wheel, is set forth by claims 1 and 2. Claim 3 must be and is held not to set forth any patentable novelty over what is already defined by claims 1 and 2.

Claims 1 and 2 are allowed, and claim 3 is held to be unpatentable.

Supplemental Decision, February 28, 1925.

Applicant has filed a request that the third claim held unpatentable in my decision of November 25, 1924, be canceled and a new claim 3 be inserted in its place.

The new claim reads as follows:

> 3. A pneumatic tired vehicle wheel designed to carry a predetermined load at substantially reduced inflation pressure and with a materially decreased total weight of tire and wheel body; modified from standard practice by a substantial increase in cross-sectional diameter of the tire with a decrease in ratio of wall thickness thereto and a substantial decrease in the ratio of wheel body to tire in both radial dimension and weight.

A careful examination of this claim shows that it includes limitations not found in the third claim for which the new claim is substituted. In view of the fact that the construction set forth by this claim is said to have the advantages referred to in the argument filed in the paper inserting the claim, I am willing to resolve such doubts as I have in favor of the applicant. The advantages set up in applicant's argument seem real, but the question arises whether these advantages are not those which would necessarily result from modifying the wheel to adapt it to receive the tire which is the subject matter of allowed claims 1 and 2. It may be that these advantages, obvious now that the combined wheel and tire have been put into use, would not be apparent even to one skilled in the art except, as applicant urges, as a result of the exercise of invention in making up not only the tire of claims 1 and 2, but the combined wheel and tire of claim 3. At any rate, there has been such a revolution in the art that I have, as above stated, decided in favor of the applicant.

Claim 3, however, should be amended to make more definite what applicant has urged at the oral hearing. To state the matter in another way, the word "reduced" in line 2 of new claim 3 is not sufficiently definite. If said word is canceled and the words *below standard* are inserted in lieu thereof, the claim may be considered allowable.

Court of Appeals of the District of Columbia.

TUPELO COTTON MILLS *v.* AMERICAN BLEACHED GOODS CO., INC.

No. 1,719. Decided April 6, 1925.

TRADE-MARKS — DECEPTIVE SIMILARITY — REPRESENTATIONS OF SCARLET TANAGER AND BLUEBIRD.

Where each mark consists of a bird with red breast and outstretched wings, one having black tail and wings and the other blue tail, wings, head, and back, the words and accessories being somewhat different in the two marks and one mark having a circle surrounding the bird, concurrent use of these marks on goods of the same descriptive properties *Held* "likely to cause confusion in the mind of the public or to deceive customers," even though they might be easily distinguishable by ornithologists.

APPEAL from Patent Office. Affirmed.

Mr. Myron G. Clear for Tupelo Cotton Mills.

Mr. Frederick Bachman and *Mr. Douglas H. Kenyon* for American Bleached Goods Co., Inc.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

This is an appeal from a decision of the Patent Office in a trade-mark cancellation proceeding.

The marks of the parties are applied to goods of the same descriptive properties. Appellee's mark, adopted and used extensively since 1907, consists of a bird, wings outstretched, just leaving a twig, the body of the bird being red and its wings and tail black. In a circle surrounding this bird, which is said to be a representaton of a scarlet tanager, are the words "Pride of the West—India Linon." Appellant's mark, adopted in 1917, consists of a bird perched on a twig, with wings outstretched and carrying in its mouth a string, from which is suspended a disk bearing the word "Tupelo." In the drawing the breast of this bird, said to be a representation of a bluebird, is lined for red, while the head, back, tail and wings are lined for blue.

The Assistant Commissioner ruled that the concurrent use of these two marks was "likely to cause confusion or mistake in the mind of the public or to deceive purchasers", within the meaning of the Trade-Mark Act, and hence that appellant's mark should be cancelled. In this ruling we concur. *Coca-Cola Co.* v. *Chero-Cola Co.*, 288 O. G. 432; 1921 C. D. 239; 51 App. D. C. 27; 273 Fed. 755; *Canterbury Candy Makers* v. *Brecht Candy Co.*, 320 O. G. 3; 1924 C. D. 204; 54 App. D. C. 82; 294 Fed. 1013. Appellant suggests that these two birds are easily distinguishable. They might be by ornithologists, but the purchasing public includes comparatively few persons who have particular knowledge of birds. To the average person these goods would be bird goods and would not be known as bluebird or tannger goods.

The decision is affirmed.

Affirmed.

ADJUDICATED PATENTS.

(C. C. A. III.) The May patent, No. 1,036,290, for sausage casing, *Held* not infringed. *Wolf, Sayer & Heller* v. *Patent Casing Co.*, 4 F. (2d) 57.

(C. C. A. III.) The May patents, Nos. 1,063,713 and 1,063,714, for sausage casing and method of making same, *Held* invalid. *Wolf, Sayer & Heller* v. *Patent Casing Co.*, 4 F. (2d) 57.

(D. C. Minn.) The Furber patent, No. 1,114,246, for temperature-controlling apparatus for internal-combustion engines, claims 1 to 4, inclusive, and claims 5, 6, and 8 *Held* valid and infringed. *Detroit Motor Appliance Co.* v. *Burke*, 4 F. (2d) 118.

TRADE-MARKS CANCELED.

40,604. Remedies for the diseases of the throat and chest. Terpinol Tablet Co., Philadelphia, Pa. Registered June 16, 1908. Canceled April 8, 1925.

70,777. Soap. Mary E. Taylor, Dallas, Tex. Registered September 29, 1908. Canceled March 28, 1925.

111,542. Fluid for sealing punctures in pneumatic tires. David Sabel, New York, N. Y. Registered July 25, 1916. Canceled April 27, 1925.

145,074. Steel pulleys. Dodge Sales & Engineering Co., Mishawaka, Ind. Registered July 26, 1921. Canceled April 27, 1925.

148,538. Overalls and work shirts. Standard Overall Company, Baltimore, Md. Registered November 15, 1921. Canceled April 27, 1925.

161,284. Pile fabrics in the piece. The Salt's Textile Manufacturing Company, Bridgeport, Conn. Registered November 7, 1922. Canceled April 8, 1925.

165,063. Receptacles. Sylvanus W. Long, New York, N. Y. Registered March 6, 1923. Canceled April 8, 1925.

184,333. Cotton piece goods cloths. E. Milius & Company, New York, N. Y. Registered May 20, 1924. Canceled April 27, 1925.

184,713. Boots and shoes of leather and combinations of leather, fabric, and rubber. Reynolds, Drake & Gabell Co., North Easton, Mass. Registered May 27, 1924. Canceled March 28, 1925.

187,039. Dress, negligee, and work shirts. Boston Store of Chicago, Inc., Wilmington, Del., and Chicago, Ill. Registered July 22, 1924. Canceled April 8, 1925.

191,806. Ladies' coats. Harry Kitzinger, doing business as Harry Kitzinger & Company, New York, N. Y. Registered November 18, 1924. Canceled April 27, 1925.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

932,965, C. W. Conner, Bifocal lens and method of making same, suit filed Dec. 30, 1924, D. C., S. D. Calif., Doc. I 60 B, *One Piece Bifocal Lens Co.* v. *Buskirk, Siel & Flatley (Vansiel Optical Co.)*.

958,478, W. E. Davey, Process of reenforcing trees, suit filed Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 31/266, *The Davey Tree Expert Co.* v. *E. H. Barber*.

1,007,757, A. Voight, Mounting for sliding doors; 1,136,631, Separator and track for sliding doors, suit filed Mar. 11, 1925, D. C., S. D. N. Y., Doc. E 31/258, *A. Voight* v. *M. Kleinman et al.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. A. Armstrong, Wireless receiving system, suits filed Mar. 12, 1925, D. C., W. D. N. Y., Doc. 809 D, *Westinghouse Electric & Mfg. Co. et al.* v. *Precise Mfg. Corp.* Same, Doc. 810 D, *Westinghouse Electric & Mfg. Co. et al.* v. *C. A. Branston, Inc.* Same, final consent decree sustaining patents, adjudging infringement, and granting injunction Feb. 4, 1925, D. C., S. D. N. Y., Doc. E 31/96, *Westinghouse Electric & Mfg. Co.* v. *Phenix Radio Corp.*

1,050,728. (See 1,050,441.)

1,099,281, C. L. Crumrine, Fruit package, suit filed Feb. 19, 1925, D. C., S. D. Calif., Doc. I 83 J, *Blake, Moffitt & Towne* v. *California Fruit Growers Exchange et al.*

1,113,149. (See 1,050,441.)

1,128,144, Inwood & Lavenberg, Combined carriage and former for wire-bound-box machine; 1,128,145, same, Means for making box blanks; 1,128,252, same, Method of making boxes, suit filed Mar. 16, 1925, D. C., W. D. Mich. (S. Div.), Doc. 2020, *Wirebounds Patents Co. et al.* v. *Saranac Automatic Machine Co.*

1,128,145. (See 1,128,144.)

1,128,252. (See 1,128,144.)

1,136,631. (See 1,007,757.)

1,201,270. (See 1,377,405.)

1,291,095, J. F. O'Neil, Cane mill, suit filed Mar. 9, 1925, D. C. Conn., Doc. 1788, *Fulton Iron Works Co.* v. *Farrel Foundry & Machine Co.*

1,308,324, P. M. Bellard, Device for gauging circular work, suit filed Dec. 19, 1924, D. C. Mass., Doc. E 2045, *The L. S. Starrett Co.* v. *B. C. Ames Co.*

1,352,627, J. P. Ratigan, Pumping apparatus, suit filed Jan. 15, 1925, D. C., S. D. Calif., Doc. I 66 B, *J. P. Ratigan* v. *Sargent Engineering Corp.*

1,365,803, F. W. Storck, Envelope-sealing machine, suit filed Oct. 4, 1924, D. C. Mass., Doc. E 2012, *Standard Mailing Machines Co.* v. *Postage Meter Co.* Mar. 18, 1925, interlocutory decree for plaintiff for an injunction and accounting, defendant appealing.

1,377,405, L. De Forest, Audion circuit; 1,201,270, same, Oscillating current generator, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 26/217, *De Forest Radio Telephone & Telegraph Co.* v. *H. Bunnell & Co.*

1,378,469, 1,378,685, 1,413,047, M. Koppelman, Egg packing; 1,429,207, Koppelman & Cooper, Packing for fragile articles, interlocutory decree sustaining patents, adjudging infringement, and granting injunction and dismissing counterclaim Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 25/37, *Holed Tite Egg Packing Corp.* v. *W. Mapes Co. et al.*

1,378,685. (See 1,378,469.)

1,386,418, C. D. Miller, Auxiliary windshield, suit filed Mar. 3, 1925, D. C., S. D. Calif., Doc. I 88 M, *De Garmo & De Garmo (Sunset Specialty Co.) et al.* v. *P. Weindorf (Angelus Wing Co.)*.

1,390,747, J. G. Balsillie, Reflector for use in light projector, suit filed Jan. 26, 1925, D. C., S. D. Calif., Doc. I 67 M, *The American Flatlite Co.* v. *Morrison Mfg. Co. et al.*

1,397,274, M. Firman, Lighting fixture, suit filed Jan. 9, 1922, D. C., S. D. N. Y., Doc. E 23/18, *Edison Fixture Co., Inc.*, v. *Columbia Electric Illuminating Corp.* Order of dismissal for lack of prosecution Feb. 5, 1925.

1,411,227, L. A. Suekoff, Spring-cushion construction, decree for plaintiff holding infringement and ordering an accounting (notice dated Mar. 9, 1925), D. C., W. D. Mich. (S. Div.), Doc. 2013, *L. A. Suekoff et al.* v. *National Spring & Wire Co.*

1,413,047. (See 1,378,469.)

1,429,207. (See 1,378,469.)

TRADE-MARKS

OFFICIAL GAZETTE, MAY 26, 1925.

[VOL. 334. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 160,020. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) OSCAR W. H. NELSON, Lynn, Mass. Filed Mar. 1, 1922.

Ski-Cycle

Particular description of goods.—Toy Coasters with or without Wheels.
Claims use since 1922.

Ser. No. 169,271. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ALLEN MANUFACTURING COMPANY, Hartford, Conn. Filed Sept. 11, 1922.



No claim is made for the registration of the end of a set screw per se. The mark consists of six triangles at the corners of the bottom of a hexagonal socket in the head end of the article.
Particular description of goods.—Machine Screws and Threaded Metal Plugs Having Socketed Head Ends.
Claims use since Jan. 1, 1917.

Ser. No. 171,074. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FORTUNE PRODUCTS COMPANY, Chicago, Ill. Filed Oct. 23, 1922.

FORTUNE

Particular description of goods.—Chocolate, Particularly Chocolate for Cooking Purposes.
Claims use since on or about Feb. 1, 1922.

Ser. No. 179,692. (CLASS 38. PRINTS AND PUBLICATIONS.) UNITED CANARY BREEDERS OF AMERICA, INC., New York, N. Y. Filed Apr. 25, 1923.

American Canary Journal

Particular description of goods.—Monthly Magazines.
Claims use since about Nov. 1, 1919.

Ser. No. 181,073. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SYDNEY B. HOPKINS, doing business as The Naturelle Company, New York, N. Y. Filed May 24, 1923.

NATURELLE

Particular description of goods.—Phonographs and Parts thereof and Phonograph Supplies—Namely, Disks, Diaphragms, Horns, and Amplifying Devices.
Claims use since Jan. 10, 1923.

Ser. No. 181,074. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SYDNEY B. HOPKINS, doing business as The Naturelle Company, New York, N. Y. Filed May 24, 1923.



No claim is made to the representation of a portion of a phonograph and phonograph record apart from the mark shown in the drawing.
Particular description of goods.—Phonographs and Parts thereof and Phonograph Supplies—Namely, Disks, Diaphragms, Horns, and Amplifying Devices.
Claims use since Jan. 10, 1923.

Ser. No. 183,695. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE CONTINENTAL FIBRE COMPANY, Newark, Del. Filed July 26, 1923.



No claim is made to the representation of a section of the material. The trade-mark consists of two black lines arbitrarily placed in the body of the materials.

Particular description of goods.—Laminated Material for Electrical Insulation.

Claims use since June 20, 1920.

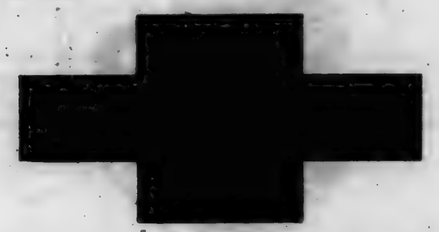
Ser. No. 184,669. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JEWEL TEA CO., INC., Chicago, Ill. Filed Aug. 18, 1923.



Particular description of goods.—Teas, Spices, Flavoring Extracts for Foods, Cocoa, Pie Filler, and Rice, Black Pepper, Ginger, Mustard, Shredded Coconut, and Gelatin Desserts.

Claims use since Aug. 7, 1923.

Ser. No. 185,155. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EDWIN B. STIMPSON COMPANY, Brooklyn, N. Y. Filed Aug. 29, 1923.



Particular description of goods.—Bobbin Heads (Metal Heads or Washers for Each Side of Wooden Machinery Bobbins), Perforators (Machines for Perforating Check Books, Postage Stamps, Etc.), Typewriter-Ribbon Clamps, Tire Clamps, Creasing Machines (for Creasing Leather, Etc.), Eyelet Sets (Hand Sets, Also Hand Lever, Foot Lever, and Automatic Machines), Eyeleting Machines (Hand, Foot and Automatic), Grommet Sets (Hand Sets, Also Hand Lever, Foot Lever, and Automatic Machines), Grommeting Machines (Hand, Foot, and Automatic), Razor Guards, Leather-Strip-Cutting Machines, Rawhide Mallets, Sail-Makers' Needles and Needles for Lacing Footballs and the Like, Punching Machines for Punching Paper, Cardboard, Fabric, and Light Metal, Typewriter-Ribbon Hooks, Punches, and Riveting Machines (Hand, Foot, and Automatic Machines for Setting and Feeding Split, Tubular, and Side-Prong Rivets).

Claims use since about July 23, 1921.

Ser. No. 185,897. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES D. FOSTER, doing business as Walkee Horse Co., Cincinnati, Ohio. Filed Sept. 18, 1923.

WALKEE HORSE

No claim is made to the exclusive use of the word "Horse" apart from the mark shown in the drawing.

Particular description of goods.—Hobbyhorses, Children's Toy Vehicles, and Children's Horses and Vehicles in the Nature of Hobbyhorses.

Claims use since Sept. 14, 1923.

Ser. No. 186,143. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE LIVERPOOL BORAX CO. LTD., Liverpool, England. Filed Sept. 24, 1923.

OSOGEN

Particular description of goods.—Water-Softening Crystals.

Claims use since Dec. 15, 1917.

Ser. No. 189,266. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE NEW SYSTEM MANUFACTURING COMPANY, Columbus, Ohio. Filed Dec. 5, 1923.



All wording on the drawing with the exception of the words "New System" is disclaimed.

Particular description of goods.—Bakers' Rotating Ovens and Parts thereof; Heating, Lighting, and Ventilating Apparatus, Not Including Electrical Apparatus.

Claims use since May 1, 1919.

Ser. No. 189,867. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) F. A. SCHWANNECKE, INC., New York, N. Y. Filed Dec. 18, 1923.

DOUCETTE
DOO-SET

Particular description of goods.—Compacts, Lip Sticks, Rouge, Eyebrow Pencils, Camphor Ice, Face Powder, Talcum Powder, Face Cream, Perfumes, Toilet Water, and Hair Coloring.

Claims use since Dec. 1, 1923.

Ser. No. 190,181. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GEORGE H. TABER, Pittsburgh, Pa. Filed Dec. 27, 1923.

MICRO-MOTOR

Particular description of goods.—Vernier Adjusters.

Claims use since Oct. 4, 1923.

Ser. No. 190,750. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) FRANCIS H. WITTSTEIN, Newark, N. J. Filed Jan. 12, 1924.



No claim is made to the exclusive use of the words "Mothers Symbols" apart from the mark as shown in the drawing.

Particular description of goods.—Jewelry for Personal Wear Made of Precious Metal, Not Including Watches.

Claims use since Dec. 4, 1923.

Ser. No. 190,830. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHOCOLATERIE-CONFISERIE ANTOINE, Brussels, Belgium. Filed Jan. 15, 1924.

MIELACTA

Particular description of goods.—Chocolates, Chocolate Candy, and Bonbons.

Claims use since June 17, 1922.

Ser. No. 191,988. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STROOCK & COMPANY, INC., New York, N. Y. Filed Feb. 7, 1924.

Desire

Particular description of goods.—Cloth in the Piece Made of Camel's Hair and Mohair.

Claims use since Apr. 26, 1923.

Ser. No. 192,320. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL DEALERS SUPPLY HOUSE, Chicago, Ill. Filed Feb. 15, 1924.

SYNCHRODYNE

Particular description of goods.—Radio Apparatus—Namely, Complete Receiving Sets, Transformers, Condensers, and Receiving-Set Kits.

Claims use since Jan. 1, 1924.

Ser. No. 193,465. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) KIENZLE UHRENFABRIKEN A. G., Schwenningen-on-the-Neckar, Germany. Filed Mar. 8, 1924.

Autograph

Particular description of goods.—Apparatus for Indicating and Recording the Mileage and Various Operations and Occurrences in the Use of Vehicles, Such as Times of Departure and Return, Stops, Backing (Reversing), Etc.

Claims use since July, 1921.

Ser. No. 194,078. (CLASS 11. INKS AND INKING MATERIALS.) PICCADILLY INK COMPANY, Baltimore, Md. Filed Mar. 19, 1924.



The word "Ink" is disclaimed apart from the other features of the mark.

Particular description of goods.—Writing Fluids for Fountain Pens and Steel Pens, Stencil Ink, Rubber-Stamp Pads, Ink for Rubber-Stamp Pads, Concentrated Ink (Tablets, Paste), Printing Ink, Lithographic Ink, Copying Ink, and Indelible Ink.

Claims use since May 1, 1922.

Ser. No. 194,105. (CLASS 12. CONSTRUCTION MATERIALS.) IRVING IRON WORKS COMPANY, Long Island City, N. Y. Filed Mar. 20, 1924.

SAFTRED

Particular description of goods.—Metal Gratings for Floorings and Staircases.
Claims use since Mar. 12, 1924.

Ser. No. 194,455. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KLEINKNECHT & BROSE, Pittsburgh, Pa. Filed Mar. 26, 1924.

GETS-ALL

Particular description of goods.—Holding and Dispensing Apparatus for Tube Receptacles.
Claims use since Nov. 14, 1923.

Ser. No. 194,601. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BESSIE M. GISH, doing business as O-Shine-O Products Co., Chicago, Ill. Filed Mar. 28, 1924.

O-SHINE-O
NCE POLISH VER

The words "Polish" and "Shine" appearing in the drawing are disclaimed apart from the mark as shown.
Particular description of goods.—Polish for Furniture, Autos, Pianos, Painted and Enameled Woodenwork, and Painted Furniture.
Claims use since Dec. 1, 1923.

Ser. No. 194,933. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) VAUGHN E. MORRISON, doing business as V. E. M. Company, Detroit, Mich. Filed Apr. 3, 1924.

VEMCO

Particular description of goods.—Telephonic Loud Speakers and Receivers for Use with Radio Receiving Apparatus.
Claims use since on or about Sept. 25, 1923.

Ser. No. 194,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES P. SMITH & COMPANY, New York, N. Y. Filed Apr. 3, 1924.

ALVAREZO

Particular description of goods.—Olives and Paprika.
Claims use since about 1907.

Ser. No. 195,916. (CLASS 38. PRINTS AND PUBLICATIONS.) SPECTRO-CHROME INSTITUTE, Philadelphia, Pa. Filed Apr. 21, 1924.

SPECTRO-CHROME

Particular description of goods.—Magazine Published Monthly.
Claims use since July 20, 1922.

Ser. No. 197,082. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYMET MANUFACTURING CORPORATION, New York, N. Y. Filed May 27, 1924.

E-Z
FONE PLUG

No claim is made to the exclusive use of the words "Fone Plug" apart from the mark shown on the drawing.
Particular description of goods.—Electrical Attachment Plugs.
Claims use since about Mar. 15, 1924.

Ser. No. 197,083. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) POLYMET MANUFACTURING CORPORATION, New York, N. Y. Filed May 27, 1924.

"E-Z STAT"

Particular description of goods.—Rheostats.
Claims use since about Mar. 15, 1924.

Ser. No. 197,985. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BAY SPECIALTY COMPANY, Martinez, Calif. Filed June 3, 1924.

ART KRAFT

Particular description of goods.—Electric-Lighting Fixtures, Particularly Wall Brackets and Chandeliers.
Claims use since Jan. 1, 1922.

Ser. No. 198,131. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill. Filed June 5, 1924.

Portobella

Particular description of goods.—Nonalcoholic Maltless Beverage Sold as a Soft Drink and Coloring Extracts and Syrups for Making the Same.
Claims use since Apr. 28, 1923.

Ser. No. 198,139. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) IMPERIAL POLISH CO., Philadelphia, Pa. Filed June 5, 1924.



Particular description of goods.—Furniture Polish.
Claims use since Jan. 1, 1887.

Ser. No. 198,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK C. BELIER, doing business as Frank C. Belier & Co., Turlock, Calif. Filed June 18, 1924.

Strongheart



Particular description of goods.—Fresh Deciduous Fruits, Fresh Citrous Fruits, Fresh Cantaloupes.
Claims use since Feb. 1, 1924.

Ser. No. 198,956. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed June 21, 1924.

MASTER

Trade-mark "Master."
Particular description of goods.—Electric Batteries.
Claims use since Oct. 1, 1915.

Ser. No. 199,851. (CLASS 37. PAPER AND STATIONERY.) SCHWAN-BLEISTIFT-FABRIK A.-G., Nuremberg, Germany. Filed July 10, 1924.

Auto

Particular description of goods.—Lead, Coloring, Copying, and Slate Pencils; Mechanical Lead Pencils, Marking Charcoal; Chalk for Writing, Drawing, Tailoring, and Billiards; Lead, Charcoal, and Chalk Holders; and Lead and Colored Refills.
Claims use since 1913.

Ser. No. 200,111. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., Philadelphia, Pa. Filed July 16, 1924.

BOTANELLE

Particular description of goods.—Flannel of Cotton and Wool, Cotton Goods, Silk Goods, Linen Goods, and Mixtures of Cotton and Silk and Linen and Silk, All in the Piece.
Claims use since May 6, 1924.

Ser. No. 200,169. (CLASS 17. TOBACCO PRODUCTS.) MRS. HENRY ALLEN, Topeka, Kans. Filed July 18, 1924.

MOKANA

Particular description of goods.—Cigars.
Claims use since July 10, 1923.

Ser. No. 201,202. (CLASS 17. TOBACCO PRODUCTS.) JOHN A. MCADOO, Charlotte, N. C. Filed Aug. 9, 1924.

CHIMNEY ROCK



Particular description of goods.—Cigars, Cheroots, Stogies, and Little Cigars.
Claims use since Apr. 11, 1924.

Ser. No. 203,367. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BONWIT, TELLER & COMPANY, New York, N. Y. Filed Oct. 3, 1924.



No claim is made to bottles generally as a part of the trade-mark.
Particular description of goods.—Perfumes.
Claims use since Aug. 29, 1924.

Ser. No. 203,523. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) GEORGE R. KEITH, doing business as The C K Company, San Francisco, Calif. Filed Oct. 7, 1924.

CK

Particular description of goods.—Piston Rings.
Claims use since June 30, 1923.

Ser. No. 203,703. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST SIDE CREAMERY COMPANY, Tracy, Calif. Filed Oct. 10, 1924.

Vogue

Particular description of goods.—Dairy Products—Namely, Ice Cream, Milk, Butter, Cottage Cheese, Ice-Cream Mix (a Liquid Used in the Making of Ice Cream), and Condensed Milk.
Claims use since July 1, 1923.

Ser. No. 204,101. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) KRASCO MANUFACTURING COMPANY, Chicago, Ill. Filed Oct. 18, 1924.

MONARCH

Particular description of goods.—Radio Receiving Sets.
Claims use since Mar. 15, 1924.

Ser. No. 204,116. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) R. A. C. RADIO CO., New York, N. Y. Filed Oct. 18, 1924.

R·A·C

Particular description of goods.—Electrical Apparatus, Machines, and Supplies, as Follows: Radio Receiving Sets and Parts Thereof, Radio-Frequency Amplifiers, Loud Speakers; Detector Amplifier, and Vacuum Tubes; Vacuum-Tube Sockets, Radio and Audio Frequency Transformers, Rheostats, Grid Leaks, Grid Condensers, Inductance and Coupling Coils, Fixed and Variable Condensers, Insulators, Crystal Detectors and Mountings, Antennæ and Antennæ Equipment, Antennæ Protectors, Loop Antennæ, Telephone Plugs and Jacks, and Electrical Switches.
Claims use since June 1, 1923.

Ser. No. 204,195. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRESSCRAFT MANUFACTURING COMPANY, Terre Haute, Ind. Filed Oct. 20, 1924.

ROAD PILOT

The color lining in the drawing represents black with shadow outlines for the letter.
Particular description of goods.—Electrical Light and Signal Control Switches Especially Adapted for Use on Automobiles.
Claims use since May 4, 1924.

Ser. No. 204,351. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) COOK LABORATORIES, INC., Chicago, Ill. Filed Oct. 24, 1924.

Carpule

Particular description of goods.—Hypodermic Syringes and Needles and Syringe Outfits.
Claims use since about March, 1922.

Ser. No. 204,352. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HENRY C. CORNETTA, East Boston, Mass. Filed Oct. 24, 1924.

CODA

Trade-mark consists of the word "Coda."
Particular description of goods.—Change of Attachments and Mechanisms for Automatically Cutting Off the Light in Moving-Picture-Projecting Machines.
Claims use since July 22, 1921.

Ser. No. 204,394. (CLASS 38. PRINTS AND PUBLICATIONS.) MACE E. CHARLESTON, Seattle, Wash. Filed Oct. 25, 1924.

Crystalike

Particular description of goods.—Photographic Prints.
Claims use since May 1, 1918.

Ser. No. 204,927. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FRED M. PAGE, doing business as Fred M. Page & Co., Lynn, Mass. Filed Nov. 6, 1924.

EXETTE
WONDER CLEANER

Express disclaimer is made to the word "Cleaner."
Particular description of goods.—Cleaning Powder and General Household Cleaning Preparation in Powdered Form.
Claims use since Oct. 6, 1924.

Ser. No. 204,948. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) ALMOND SMASH CO., INC., Baltimore, Md. Filed Nov. 7, 1924.

SUBURBAN CLUB



Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage.
Claims use since May 1, 1924.

Ser. No. 205,090. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) SHEPARD-POTTER COMPANY, INC., Plattsburg, N. Y., assignor to Thermiodyne Radio Corporation, Plattsburg, N. Y., a Corporation of Delaware. Filed Nov. 10, 1924.

Thermiodyne

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since June 2, 1924.

Ser. No. 205,092. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROSS T. SMYTH & CO. LIMITED, Liverpool, England. Filed Nov. 10, 1924.

ROSE AND CROWN

Particular description of goods.—Wheat Flour.
Claims use since 1891.

Ser. No. 205,271. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HALLIWELL ELECTRIC CO., INC., New York, N. Y. Filed Nov. 14, 1924. Under ten-year proviso.

HALLIWELL

Particular description of goods.—Electric Hair Driers.
Claims use since 1880.

Ser. No. 205,425. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. A. LAWRENCE CO., INC., Poughkeepsie, N. Y. Filed Nov. 17, 1924.

WALCO

Elas-Tricot

No claim is made for "Tricot" apart from the mark shown by the drawing.

Particular description of goods.—Wide Elastic Fabric Suitable for Making Corsets, etc.

Claims use since Nov. 12, 1923.

Ser. No. 205,692. (CLASS 37. PAPER AND STATIONERY.) FORT HOWARD PAPER COMPANY, Green Bay, Wis. Filed Nov. 22, 1924.

PULL-ONE

Particular description of goods.—Toilet Paper, Paper Towels, Paper Napkins, and Crêpe Paper.

Claims use since July 1, 1922.

Ser. No. 205,780. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) B. A. RAILTON CO., Chicago, Ill. Filed Nov. 24, 1924.



In the drawing illustrating the trade-mark the shaded portion contained within the inner circle designates a black or brown color and the shaded portion contained between the inner circle and the outer circle indicates a red color.

Particular description of goods.—Nonalcoholic, Maltless Sirups for Making Soft Drinks.

Claims use since about July, 1922.

Ser. No. 205,795. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STANDARD IMPORTS LIMITED, Montreal, Canada. Filed Nov. 24, 1924.



Particular description of goods.—Canned Fish.

Claims use since 1908.

Ser. No. 205,917. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. GAMBRILL MANUFACTURING COMPANY, INCORPORATED, Ellicott City, Md. Filed Nov. 28, 1924.



Particular description of goods.—Self-Rising Flour.

Claims use since Aug. 15, 1924.

Ser. No. 205,920. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Nov. 28, 1924.

ZIGZAG

Particular description of goods.—Wrapping Paper.

Claims use since November, 1924.

Ser. No. 206,064. (CLASS 12. CONSTRUCTION MATERIALS.) DIXIE FIREPROOFING CO., Macon, Ga. Filed Dec. 1, 1924.

SUPER

Particular description of goods.—Fire Brick.

Claims use since Jan. 1, 1923.

Ser. No. 206,074. (CLASS 39. CLOTHING.) KNITWEAR PROMOTERS, INC., New York, N. Y. Filed Dec. 1, 1924.



Particular description of goods.—Knitted Sweaters for Men, Women, and Children.

Claims use since Nov. 1, 1924.

Ser. No. 206,656. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COLONIAL STEEL COMPANY, Pittsburgh, Pa. Filed Dec. 13, 1924.

BEAVER

Particular description of goods.—Steel Plates and Bars, Crucible, Electric, and High-Grade Open-Hearth Castings and Forgings.

Claims use since May 10, 1910.

Ser. No. 206,663. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE FULLER BRUSH COMPANY, Hartford, Conn. Filed Dec. 13, 1924.

Fuller

No claim is made to the representation of the name "Fuller" except in the manner shown.

Particular description of goods.—Vanity Cases Made of Celluloid or Similar Material and Containing Rouge and Face Powder.

Claims use since about Oct. 1, 1923.

Ser. No. 206,765. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ERNEST G. BROOKMAN, doing business as Brookhill Products Co., Los Angeles, Calif. Filed Dec. 16, 1924.



Particular description of goods.—Medicated Mineral Water, Sunburn Cream, Facial Cream, Tooth Powder, Tooth Paste, Suppositories, Antiseptic Mineral Powder, and Preparations for the Treatment of Appendicitis, Blood Poisoning, Boils, Bronchitis, Bruises, Burns, Bunions, Catarrh, Carbuncles, Congestion, Cuts, Contusions, Croup, Colds, Eczema, Erysipelas, the Eyes, Fevers, Goiter, Grippe, Hay Fever, Hemorrhoids, Inflammations, Itch, Jaundice, Locomotor Ataxia, Lumbago, Neuritis, Sores, Paralysis, Piles, Pleurisy, Pneumonia, Quinsy, Rash, Scalds, Sciatica, Tonsilitis, Typhoid, Ulcers, Varicose Veins, and Wounds.

Claims use since June 2, 1924.

Ser. No. 206,784. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) HELLER BROTHERS COMPANY, Newark, N. J. Filed Dec. 16, 1924.

Electric

Particular description of goods.—Tool Steel.

Claims use since Aug. 1, 1892.

Ser. No. 206,795. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MARKWELL MANUFACTURING CO., INC., New York, N. Y. Filed Dec. 16, 1924.

Markwell

Particular description of goods.—Box Trucks.

Claims use since about February, 1920.

Ser. No. 206,910. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MACDOWELL BROTHERS, Ogdensburg, N. Y. Filed Dec. 18, 1924.

DIABAN
DIABETIC
FLOUR

Applicant disclaims the descriptive words "Diabetic Flour" apart from the other features of the mark shown on the drawing.

Particular description of goods.—Self-Rising Flour.

Claims use since Apr. 1, 1924.

Ser. No. 206,925. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRY WORCESTER SMITH, Lordvale, North Grafton, Mass. Filed Dec. 18, 1924.

—For the Sake of Sport in America—

Particular description of goods.—Section Heading for Printed Matter in a Magazine or Other Periodical.

Claims use since Dec. 30, 1922.

Ser. No. 207,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MICHELE PEREGO, Renate, Milan, Italy. Filed Dec. 26, 1924.

Giulia

Particular description of goods.—Cotton Blankets, Bed Covers, Coverlets, and Bedspreads.

Claims use since May 1, 1924.

Ser. No. 207,301. (CLASS 12. CONSTRUCTION MATERIALS.) THE J. E. HARRIS COMPANY, Wooster, Ohio. Filed Dec. 27, 1924.

WOOSTER SEALKOTE ROOFING

No claim is made herein broadly to the words "Wooster" and "Roofing" apart from the mark shown in the drawing so far as the present registration is concerned.

Particular description of goods.—Asbestos Compounds for Waterproofing Roofs and the Like.

Claims use since May 15, 1924.

Ser. No. 207,431. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) E. A. WILLIAMS & SON, INC., Jersey City, N. J. Filed Dec. 29, 1924.

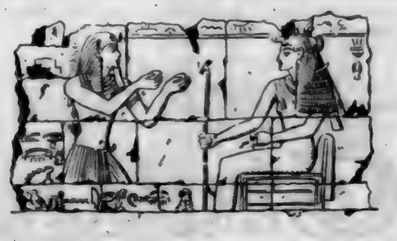


Petitioner hereby disclaims the words "E. A. Williams & Son Manufacturers," "Babbitt Metal," "Jersey City," and "New Jersey" and the representation of the ingot apart from the mark as shown by the drawing.

Particular description of goods.—Babbitt Metal.

Claims use since Jan. 1, 1900.

Ser. No. 207,604. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) EDMUND WEIDNER, Berlin, Germany. Filed Jan. 2, 1925.



Particular description of goods.—Soaps, Especially Medical and Cosmetic Soaps.

Claims use since May 1, 1924

Ser. No. 207,674. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) B. GROSSER SONS, INC., Boston, Mass. Filed Jan. 5, 1925.

NOL-LOS

Trade-mark consists of the fanciful compound word Nol-los. No claim is made to the words "No loss."

Particular description of goods.—Variable Air Condensers.

Claims use since about Dec. 1, 1923.

Ser. No. 207,699. (CLASS 38. PRINTS AND PUBLICATIONS.) WESTERN LITHOGRAPH COMPANY, Los Angeles, Calif. Filed Jan. 5, 1925.

WELCO

Particular description of goods.—Advertising Signs—Namely, Transparent Signs Adhering to the Surface to Which They Are Applied; Window Transparencies—Namely, Substantially Transparent Papers Having Printing Thereon and Rendered Adhesive, so as To Be Affixed to Glass.

Claims use since January, 1919.

Ser. No. 207,861. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) EAGLE PENCIL COMPANY, New York, N. Y. Filed Jan. 9, 1925. Under ten-year proviso.

AUTOMATIC

Particular description of goods.—Pen Knives.

Claims use since about Dec. 1, 1883.

Ser. No. 207,870. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) I. C. CANDY CO., Brooklyn, N. Y. Filed Jan. 9, 1925.

Kinks

Particular description of goods.—Caramels.

Claims use since August, 1922.

Ser. No. 207,913. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE BARRETT COMPANY, New York, N. Y. Filed Jan. 10, 1925.

F-C-F

Particular description of goods.—Fuel Derived from Pitch for Metallurgical Purposes.

Claims use since about Dec. 12, 1924.

Ser. No. 207,914. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) EUGENE BAZNER, Newark, N. J. Filed Jan. 10, 1925.

CROSS-WORD-PUZZLE

Particular description of goods.—Rings, Brooches, Bracelets, and Stick Pins.

Claims use since December, 1924.

Ser. No. 208,031. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AMERICAN CABLE COMPANY, INC., Wilmington, Del., and New York, N. Y. Filed Jan. 13, 1925.

TRU-LOC

Particular description of goods.—Attachments and Fittings for Wire Rope, Comprising Sockets, Eyes, Sleeves, Shackles, Clevises, Hooks, Ferrules, Clamps, Yokes, and Ball Ends.

Claims use since Dec. 10, 1924.

Ser. No. 208,066. (CLASS 38. PRINTS AND PUBLICATIONS.) RADIO CORPORATION OF AMERICA, New York, N. Y. Filed Jan. 13, 1925.

PHOTORADIOGRAM

Particular description of goods.—Pictures, Drawings, and Facsimiles Transmitted by Radio.

Claims use since Nov. 30, 1924.

Ser. No. 208,162. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ROMORT MANUFACTURING COMPANY, Oakfield, Wis. Filed Jan. 15, 1925.

ROMORT

Particular description of goods.—Free Air and Water Stations for Use of Automobiles, Foot Accelerators for Automobile Engines, Compressed-Air Blowguns for Use in Machine Shops, Etc., and Engine or Motor Cleaning and Grease-Removing Spray Guns for Spraying a Cleansing Liquid, such as Kerosene, by the Use of Compressed Air.

Claims use since June 14, 1923.

Ser. No. 208,222. (CLASS 37. PAPER AND STATIONERY.) CHARLES L. BUSSING, New York, N. Y. Filed Jan. 17, 1925.

Al. B. Careful

Particular description of goods.—Printed Matter Sold to Consumers as Such—Namely, Letterheads, Envelopes, Post Cards, Time Cards, Blotters, and Report Cards.

Claims use since July 22, 1924.

Ser. No. 208,361. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERMAN P. PORTER, Washington, D. C. Filed Jan. 20, 1925.

"RADIO-WONDER"

Particular description of goods.—Portable Amplifiers Used in Connection with Radio Sets of Various Kinds.

Claims use since December, 1924.

Ser. No. 208,371. (CLASS 37. PAPER AND STATIONERY.) AMERICAN TABLET CO., Green Bay, Wis. Filed Jan. 21, 1925.

Atco Pencraft

Particular description of goods.—Tablets, School Papers, and Writing Papers.

Claims use since Dec. 20, 1924.

Ser. No. 208,381. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIKEN DR. JOACHIM WIERNIK & CO. AKTIENGESELLSCHAFT, Berlin-Waidmannslust, Germany. Filed Jan. 21, 1925.

Pregl

Trade-mark consists of the word "Pregl."

Particular description of goods.—Watery Solution of Iodides and Iodates for Use as an Antiseptic.

Claims use since June 30, 1922.

Ser. No. 208,382. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIKEN DR. JOACHIM WIERNIK & CO. AKTIENGESELLSCHAFT, Berlin-Waidmannslust, Germany. Filed Jan. 21, 1925.

Presojod

The trade-mark consists of the word "Presojod."

Particular description of goods.—Watery Solution of Iodides and Iodates for Use as an Antiseptic.

Claims use since Mar. 9, 1922.

Ser. No. 208,427. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ADOLPHE SCHLOSS FILS & CIE., Paris, France. Filed Jan. 21, 1925.



Particular description of goods.—Soaps.

Claims use since Dec. 1, 1924.

Ser. No. 208,437. (CLASS 15. OILS AND GREASES.) SPARTON OIL COMPANY, INC., Philadelphia, Pa. Filed Jan. 21, 1925.



Particular description of goods.—Lubricating Oil (Machine Oil and Motor Oil and Engine Oil), Cylinder Stock Oil, Black Oil, Set Grease, Axle Grease, Pitch Grease, Cup Grease, Gear Grease, Cable Grease, Transmission Grease, Roll Grease, Fiber Grease, Cutting Lubricants, Soluble Oil Employed as a Lubricant, Gasoline, Naphtha, Kerosene, Fuel Oil, Black Fuel Oil, Gas Oil, a Compound of Tallow and Cylinder Oil (Employed as a Lubricant), Refined Paraffin Wax, and Lard Oils.

Claims use since May 27, 1924.

Ser. No. 208,532. (CLASS 39. CLOTHING.) ABRAHAM PURSCH, New York, N. Y. Filed Jan. 23, 1925.



Particular description of goods.—Wearing Apparel for Men, Boys, and Children—Viz, Suits in One, Two, Three, and Four Piece Garments and Overcoats.

Claims use since Nov. 21, 1924.

Ser. No. 208,659. (CLASS 38. PRINTS AND PUBLICATIONS.) THE KEYSTONE PUBLISHING COMPANY, Philadelphia, Pa. Filed Jan. 26, 1925.

MASTERPIECES

Particular description of goods.—Monthly Publication.

Claims use since December, 1924.

Ser. No. 208,738. (CLASS 39. CLOTHING.) ATHENS HOSIERY MILLS, Athens, Tenn. Filed Jan. 28, 1925.



Particular description of goods.—Hosiery.

Claims use since Jan. 7, 1905.

Ser. No. 208,745. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Jan. 28, 1925.



Particular description of goods.—Colored Pencils.

Claims use since Sept. 11, 1919.

Ser. No. 208,783. (CLASS 39. CLOTHING.) JULIUS C. SPIRO, New York, N. Y. Filed Jan. 28, 1925.

"BRUSSELETTE"

Particular description of goods.—Neckties, Sweaters, Ladies' Dresses, and Ladies', Men's, and Children's Collars and Cuffs.

Claims use since Jan. 2, 1925.

Ser. No. 208,802. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FARMERS SYNDICATE, INC., Cortland, N. Y. Filed Jan. 29, 1925.



Particular description of goods.—Poultry Foods—Namely Laying Mash and Scratch Grains.

Claims use since Jan. 15, 1925.

Ser. No. 208,827. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HIL SANDSTEIN, Leipzig, Germany. Filed Jan. 29, 1925.

Locopan

Trade-mark consists of the word "Locopan."

Particular description of goods.—Wound Disinfectant Containing Mercury.

Claims use since Aug. 4, 1919.

Ser. No. 208,985. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INDIANA LAMP COMPANY, Connersville, Ind. Filed Feb. 2, 1925.

ILCO

Particular description of goods.—Electric Automobile Lamps.

Claims use since December, 1910.

Ser. No. 209,011. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE VITAMINE PRODUCTS COMPANY, St. Louis, Mo. Filed Feb. 2, 1925.

Vita-Pep

Particular description of goods.—Digestive Tonic.

Claims use since Oct. 14, 1921.

Ser. No. 209,017. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH A. ALLEGRETTI, Bradford, Pa. Filed Feb. 3, 1925.

CROSS-WORD

Particular description of goods.—Ice Cream.

Claims use since Oct. 1, 1924.

Ser. No. 209,038. (CLASS 38. PRINTS AND PUBLICATIONS.) IMPLEMENT TRADE JOURNAL COMPANY, Kansas City, Mo. Filed Feb. 3, 1925.

Implement & Hardware Trade Journal

Particular description of goods.—Weekly Magazine.

Claims use since Dec. 1, 1924.

Ser. No. 209,147. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) STRAUSS-ECKARDT CO., INC., New York, N. Y. Filed Feb. 5, 1925.

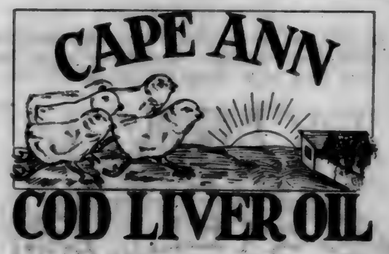


No claim is made to the words "The House of Service."

Particular description of goods.—Dolls, Blocks, Dominoes, Mechanical Toys, Trumpets, Whistles, Toy Watches, Toy Horns, Noise-Making Toys; Parlor Board Games—Namely, Dominoes, Lottoes, and Checkers; and Paper Games—Namely, House That Jack Built and Steeplechase; Hallowe'en Toys—Namely, Pumpkins, Black Cats, Masks, Paper Blow-Outs, Wood Crickets, Witches, Party Favors, Paper Hats, and Costume Bells; and Easter Toys—Namely, Rabbits, Paper Eggs, Cotton Chicks, Rabbits and Carts, Biscuits, and Hens.

Claims use since Jan. 1, 1923.

Ser. No. 209,157. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHAS. M. COX CO., Boston, Mass. Filed Feb. 6, 1925.



No claim is made to the words "Cape Ann" and "Cod Liver Oil" apart from the mark shown in the drawing.

Particular description of goods.—Poultry Tonic.

Claims use since Jan. 14, 1925.

Ser. No. 209,202. (CLASS 42.. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Feb. 7, 1925.

Cote Gazelle

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.

Claims use since Jan. 31, 1925.

Ser. No. 209,271. (CLASS 10. FERTILIZERS.) BADISCHE ANILIN- & SODA-FABRIK, Ludwighafen-on-the-Rhine, Germany. Filed Feb. 9, 1925.

Leuna-Salpeter

Trade-mark consists of the word "Leuna-Salpeter." No claim is made to the word "Salpeter" apart from the mark shown.

Particular description of goods.—Fertilizers.

Claims use since June, 1923.

Ser. No. 209,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Feb. 10, 1925.

SEISAL

Particular description of goods.—Savory Condimentary Food Accessory Designed to Compensate for Deficiency of Mineral Elements Which May Occur in Ordinary Available Diet, Principles Which Are Essential to Normal Metabolism and Health.

Claims use since Jan. 1, 1926.

Ser. No. 209,424. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MUELLER, HEATH & SONS, INC., New York, N. Y. Filed Feb. 11, 1925.

La Sirène

Trade-mark consists of the words "La Sirene."

Particular description of goods.—Artificial Pearl.

Claims use since Oct. 25, 1922.

Ser. No. 209,485. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) MANHATTAN BEAD CHAIN Co., New York, N. Y. Filed Feb. 12, 1925.



No claim is made to the words "Pearls" and "Guaranteed Indestructible" apart from the mark shown in the drawing.

Particular description of goods.—Imitation-Pearl Necklaces.

Claims use since Jan. 1, 1915.

Ser. No. 209,517. (CLASS 15. OILS AND GREASES.) WILLHELM OIL COMPANY, St. Paul, Minn. Filed Feb. 12, 1925.

Wunderlube

Particular description of goods.—Lubricating Oils and Greases.

Claims use since on or about June 1, 1924.

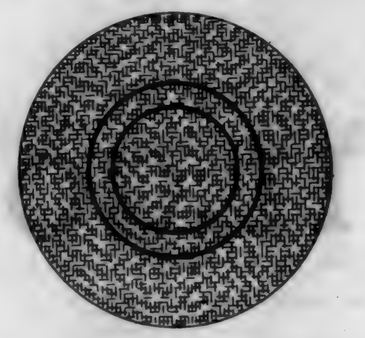
Ser. No. 209,620. (CLASS 12. CONSTRUCTION MATERIALS.) THE CONTINENTAL CLAY PRODUCTS COMPANY, Washington, D. C. Filed Feb. 16, 1925.

MAR-VEL

Particular description of goods.—Clay Products—Namely, Brick, Hollow Tile, and Sewer Pipe.

Claims use since Dec. 5, 1924.

Ser. No. 209,625. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) DAVID N. CRAWFORD doing business as The Crawford Press, South Weymouth, Mass. Filed Feb. 16, 1925.



The lining appearing on the drawing indicates a color, such as yellow.

Particular description of goods.—Bottle-Top Wrappers.

Claims use since November, 1922.

Ser. No. 209,650. (CLASS 37. PAPER AND STATIONERY.) GRAHAM PAPER COMPANY, St. Louis, Mo. Filed Feb. 16, 1925.

RAPID BOND

The word "Bond" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Printing and Writing Paper Commonly Employed for Mimeographing, Printing, and Writing Purposes.

Claims use since Dec. 1, 1920.

Ser. No. 209,663. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. E. HOOPES & SONS Co., Woodberry, Baltimore, Md. Filed Feb. 16, 1925.

GREEN STRIPE

Trade-mark consists of the words "Green Stripe" underlined by three green stripes. The drawing is lined for green.

Particular description of goods.—Stitched Belting Duck, Cotton-Duck Paper Felts, Oil-Press Cloth, Cider-Press Cloth, Cotton Cloths, Cotton Twills, Filter Blanket Cloth, Army Belting Fabrics, Netted Fabrics, Leno-Weave Cloths, Knitted Cotton Fabrics, Knitted Cotton Padding, and Cotton Duck All in the Piece; Woven Cotton Tubes, Cotton Sponge Cloths, Cotton Scrub Cloths, and Cotton Dishcloths.

Claims use since Feb. 12, 1925.

Ser. No. 209,667. (CLASS 12. CONSTRUCTION MATERIALS.) ILLINOIS ASBESTOS PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 16, 1925.



Particular description of goods.—Insulating Material Adapted to be Combined with Water and Thereafter to Expand and Hydraulically Set to Form a Rigid Cellular Structure.

Claims use since Nov. 26, 1924.

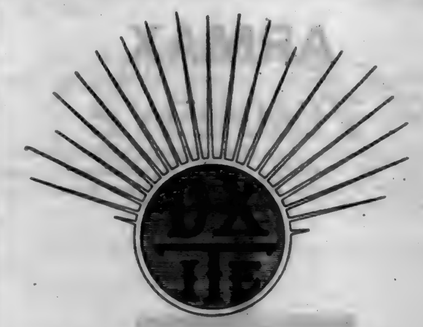
Ser. No. 209,712. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENSIE WESSON, doing business as Uncle Jerry Sausage Co., Chicago, Ill. Filed Feb. 16, 1925.



Particular description of goods.—Sausage and Sausage Meat.

Claims use since February, 1923.

Ser. No. 209,761. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARTWA RADIO PANEL Co., New York, N. Y. Filed Feb. 18, 1925.



Particular description of goods.—Radiopanels.

Claims use since Jan. 2, 1925.

Ser. No. 209,770. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BROADCASTER CORPORATION, Chicago, Ill. Filed Feb. 18, 1925.

BROADCASTER

Particular description of goods.—Radio Receiving Apparatus—Namely, Complete Radio Receiving Sets.

Claims use since about Jan. 10, 1922.

Ser. No. 209,825. (CLASS 37. PAPER AND STATIONERY.) THE CHAS. M. WEEKS Co., Walden, N. Y. Filed Feb. 18, 1925.

"NAMON"

Particular description of goods.—Pencils.

Claims use since Feb. 1, 1923.

Ser. No. 209,851. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. H. KAHN & COMPANY, New York, N. Y. Filed Feb. 19, 1925.

ESKANO CLOTH

No claim is made to the word "Cloth" apart from the mark shown.

Particular description of goods.—Cotton Cloth—Namely, Plain Colored Heavyweight All-Cotton Wash Material in the Piece.

Claims use since Nov. 25, 1924.

Ser. No. 209,888. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WINCHESTER REPEATING ARMS CO., New Haven, Conn. Filed Feb. 19, 1925.

ARMAX

Particular description of goods.—Batteries and Electric Hand Lamps.
Claims use since about Aug. 31, 1921.

Ser. No. 209,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH N. THOMPSON, doing business as George Thompson & Son, New Rochelle and New York, N. Y. Filed Feb. 20, 1925.



Particular description of goods.—Fresh Oysters and Clams.
Claims use since Feb. 14, 1925.

Ser. No. 209,952. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH N. THOMPSON, doing business as George Thompson & Son, New Rochelle and New York, N. Y. Filed Feb. 20, 1925.

SEA CROSS

Particular description of goods.—Fresh Oysters.
Claims use since Feb. 14, 1925.

Ser. No. 209,972. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Feb. 21, 1925.

GLEE CLUB

Particular description of goods.—Stringed Instruments—Namely, Ukuleles, Banjos, Mandolins, Guitars, Zithers, and Banjo Ukuleles.
Claims use since Feb. 7, 1925.

Ser. No. 209,999. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LYTTON, INC., Chicago, Ill. Filed Feb. 21, 1925.

WAV-O-DYNE

The lining of the drawing is to indicate shading and not to indicate any color.
Particular description of goods.—Radio Sets Adapted for Combination with Phonographs, Radio Receiving Sets, Loud Speakers, Transformers, Rectifiers, and Head Receiving Sets.
Claims use since about October, 1924.

Ser. No. 210,043. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAMUEL CAPLOE, Boston, Mass. Filed Feb. 24, 1925.

Sunday's Candies

Applicant disclaims the descriptive word "Candies" apart from the other features of the mark.
Particular description of goods.—Candy.
Claims use since October, 1922.

Ser. No. 210,113. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN E. BENNETT, San Francisco, Calif. Filed Feb. 25, 1925.

ORO-NATA

Particular description of goods.—Bath Salts.
Claims use since Jan. 2, 1925.

Ser. No. 210,124. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE HOBART MANUFACTURING COMPANY, Troy, Ohio. Filed Feb. 25, 1925. Under ten-year proviso.

Hobart

Particular description of goods.—Electric Coffee Mills, Electric Meat and Food Choppers, Electric Bone Grinders, Electric Tool Grinders, Electric Bread Crumbers, Electric Vegetable Slicers, and Electrically-Driven Mixing Machines for the Preparation of Food Products.
Claims use since November, 1889.

Ser. No. 210,206. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WHITE CROSS TEXTILE COMPANY, Brooklyn, N. Y. Filed Feb. 26, 1925.



The cross shown in the drawing is not printed in red or upon a red background.
Particular description of goods.—Babies' Diapers.
Claims use since Feb. 19, 1925.

Ser. No. 210,229. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HERBERT H. FROST, INCORPORATED, Chicago, Ill. Filed Feb. 27, 1925.

"The Stradivarius of Radio"

Particular description of goods.—Loud Speakers and Amplifying Horns for Radio Apparatus.
Claims use since Jan. 13, 1923.

Ser. No. 210,244. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MARTIN-COPELAND COMPANY, Providence, R. I. Filed Feb. 27, 1925. Trade-mark consists of the word "Mar-Co."

MAR-CO

Particular description of goods.—Parts for Radio Receiving Sets—Namely, Phone Plugs, Jacks, Bezels, Knife Switches, Vacuum-Tube Sockets, Rheostats, Battery Switches, Inductance Switches, Vacuum-Tube-Socket Adapters, Variable Grid Leaks, Potentiometers, Variable Air Condensers, Phone-Plug Connecters, Crystal Detectors, Resistance-Coupled Amplifiers, and Audio-Frequency Transformers.
Claims use since about May, 1922, on phone plugs; since about June, 1922, on jacks and bezels; since about August, 1922, on knife switches; since about November, 1922, on vacuum-tube sockets; since about December, 1922, on rheostats; since about January, 1923, on battery switches; since about April, 1923, on inductance switches; since about May, 1923, on vacuum-tube-socket adapters; since about July, 1923, on variable grid leaks; since about December, 1923, on potentiometers; since about January, 1924, on variable air condensers; since about April, 1924, on phone-plug connecters; since about May, 1924, on crystal detectors; since about September, 1924, on resistance-coupled amplifiers; and since about November, 1924, on audio-frequency transformers.

Ser. No. 210,321. (CLASS 31. FILTERS AND REFRIGERATORS.) SUPERIOR SASH & DOOR CO., doing business as Syphonix Company, Superior, Wis. Filed Feb. 28, 1925.



Particular description of goods.—Show-Case Refrigerators.
Claims use since Dec. 1, 1924.

Ser. No. 210,347. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) CALIFORNIA METAL ENAMELING CO., Los Angeles, Calif. Filed Mar. 2, 1925.

CAMEO

Particular description of goods.—Signs—Namely, Porcelain Enameled Signs.
Claims use since 1918.

Ser. No. 210,370. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 2, 1925.

NILOSITE

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Jan. 10, 1925.

Ser. No. 210,371. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 2, 1925.

DYNOLA

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Dec. 10, 1924.

Ser. No. 210,372. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 2, 1925.

TOROCOIL

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Dec. 8, 1924.

Ser. No. 210,373. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES). ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 2, 1925.

TOROFLEX

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Dec. 8, 1924.

Ser. No. 210,384. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMP BAKING COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

Min's Cookies
Satisfying

Disclaimer is made apart from the mark shown of the words "Cookies" and "Satisfying." The shade lines are for shading only and do not indicate color.
Particular description of goods.—Cookies.
Claims use since Jan. 6, 1925.

Ser. No. 210,385. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMP BAKING COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

Uncle Bim's Cakes
Satisfying

Disclaimer is made to the words "Cakes" and "Satisfying" apart from the mark shown. The shade lines are used for shading only and not to indicate color.
Particular description of goods.—Cakes.
Claims use since Jan. 6, 1925.

Ser. No. 210,386. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUMP BAKING COMPANY, Detroit, Mich. Filed Mar. 2, 1925.

Andy's Donuts
Satisfying

Disclaimer is made to the words "Donuts" and "Satisfying" apart from the mark shown. The shade lines are for shading only and not to indicate color.
Particular description of goods.—Doughnuts.
Claims use since Jan. 6, 1925.

Ser. No. 210,393. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 2, 1925.

FLINTMIX

Particular description of goods.—Factory Cement and Bricks.
Claims use since Nov. 1, 1923.

Ser. No. 210,394. (CLASS 12. CONSTRUCTION MATERIALS.) LACLEDE-CHRISTY CLAY PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 2, 1925.

FIFTYNINE

Particular description of goods.—Factory Cement and Bricks.
Claims use since Feb. 9, 1925.

Ser. No. 210,558. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) B. ILLFELDER & CO., New York, N. Y. Filed Mar. 5, 1925.



Particular description of goods.—Parlor Board Game Played with Pieces.
Claims use since Jan. 21, 1925.

Ser. No. 210,570. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARNER MOORE & CO., doing business as Dunlop Mills, Richmond, Va. Filed Mar. 5, 1925. Under ten-year proviso.

DUNLOP MILLS

Particular description of goods.—Wheat Flour, Feeds for Livestock, Middlings, Feeds for Poultry, Corn, Barley, and Alfalfa.
Claims use since 1853.

Ser. No. 210,584. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) A. STEIN & COMPANY, Chicago, Ill. Filed Mar. 5, 1925. Sec. 5b, act of 1905, as amended 1920.

PARIS

Particular description of goods.—Narrow Elastic.
Claims use since Jan. 1, 1924.

Ser. No. 210,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARROW-TAYLOR BUTTER COMPANY, INC., Kansas City, Mo. Filed Mar. 6, 1925.

Blue Bay
Nut

No claim is made to the word "Nut" appearing in the drawing apart from the trade-mark as shown.
Particular description of goods.—Oleomargarine.
Claims use since November, 1919.

Ser. No. 210,631. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TALENS & SON, INC., Irvington, N. J. Filed Mar. 6, 1925.

REMBRANDT

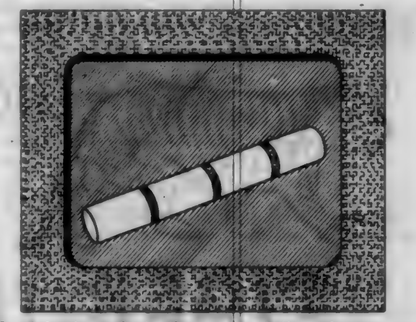
Particular description of goods.—Artists' Colors, Oil and Water Colors, Wet or Dry, Moist, or Semimoist.
Claims use since 1906.

Ser. No. 210,649. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) DULUTH SHOW CASE COMPANY, Duluth, Minn. Filed Mar. 7, 1925.

TINY GLIDER

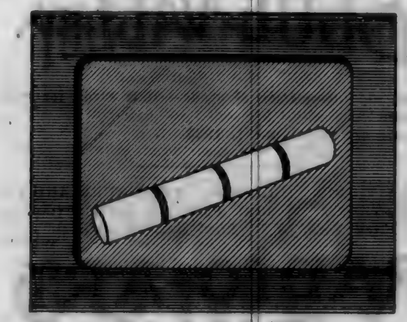
Applicant disclaims the word "Glider" apart from the mark shown in the drawing. The drawing is lined for red.
Particular description of goods.—Children's Sleds.
Claims use since Dec. 1, 1924.

Ser. No. 210,661. (CLASS 17. TOBACCO PRODUCTS.) NEVIL MONROE HOPKINS, doing business as Stratsy Tobacco Company, New York, N. Y. Filed Mar. 7, 1925.



No claim is made to the representation of a cigarette apart from the mark shown. The drawing is lined for gold and buff.
Particular description of goods.—Cigarettes.
Claims use since Mar. 1, 1925.

Ser. No. 210,662. (CLASS 17. TOBACCO PRODUCTS.) NEVIL MONROE HOPKINS, doing business as Stratsy Tobacco Company, New York, N. Y. Filed Mar. 7, 1925.



No claim is made to the representation of the goods apart from the mark as shown. The trade-mark is lined for blue and buff.
Particular description of goods.—Cigarettes.
Claims use since Mar. 1, 1925.

Ser. No. 210,675. (CLASS 86. MUSICAL INSTRUMENTS AND SUPPLIES.) LIBERTY RAWHIDE MFG. CO. INC., Chicago, Ill. Filed Mar. 7, 1925.

Lily White Brand

No claim is made to the word "Brand" appearing in the drawing apart from the mark as shown.
Particular description of goods.—Drumheads, Banjo, and Tambourine Heads.
Claims use since 1919.

Ser. No. 210,724. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM J. GORDON, doing business as General Beverage and Products Co., Lancaster, Ohio. Filed Mar. 9, 1925.

OLD FAITHFUL

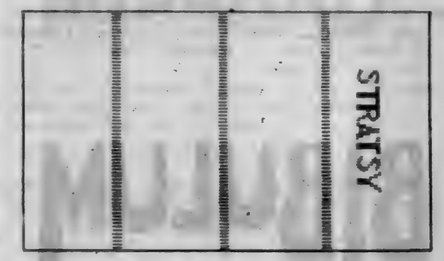
Particular description of goods.—Malt Extract for Food Purposes.
Claims use since Aug. 7, 1922.

Ser. No. 210,745. (CLASS 38. PRINTS AND PUBLICATIONS.) OHIO FEDERATION OF WOMEN'S CLUBS, Cleveland, Ohio. Filed Mar. 9, 1925.

The BUCKEYE

Particular description of goods.—Monthly Magazine.
Claims use since August, 1923.

Ser. No. 210,791. (CLASS 17. TOBACCO PRODUCTS.) NEVIL MONROE HOPKINS, doing business as Stratsy Tobacco Company, New York, N. Y. Filed Mar. 10, 1925.



The trade-mark consists of the word "Stratsy" and three bands of blue encircling the cigarette at regularly-spaced intervals. The drawing is lined in space relation for blue color.
Particular description of goods.—Cigarettes.
Claims use since Mar. 1, 1925.

Ser. No. 210,816. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) UNITED STATES FUEL COMPANY, Salt Lake City, Utah. Filed Mar. 10, 1925.

BLACK HAWK COAL

The word "Coal" is disclaimed apart from the mark as shown.
Particular description of goods.—Coal.
Claims use since 1912.

Ser. No. 210,840. (CLASS 37. PAPER AND STATIONERY.) GILBERT PAPER CO., Menasha, Wis. Filed Mar. 11, 1925.

Marquette

Particular description of goods.—Bond Paper.
Claims use since Jan. 1, 1909.

Ser. No. 210,878. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MILTON D. BARKANN AND EMANUEL M. WEINBERG, New York, N. Y. Filed Mar. 12, 1925.

BIBULUM

Particular description of goods.—Dental Products Made of Paper or the Like Used for Aseptic Dressing, Packing, and Absorbent.
Claims use since September, 1923.

Ser. No. 210,879. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) MILTON D. BARKANN AND EMANUEL M. WEINBERG, New York, N. Y. Filed Mar. 12, 1925.

ASEPTIC BIBULUM Superior to DENTAL COTTON GAUZE OR PAPER

In the drawing the words "Aseptic" and "Superior to Dental Cotton Gauze or Paper" are disclaimed.
Particular description of goods.—Dental Products Made of Paper or the Like Used for Aseptic Dressing, Packing, and Absorbent.
Claims use since September, 1923.

Ser. No. 210,892. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Mar. 12, 1925.



TIGER

Particular description of goods.—Rubber Erasers.
Claims use since August, 1923.

Ser. No. 210,905. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. KAHAN & SONS PRODUCTS COMPANY, St. Louis, Mo. Filed Mar. 12, 1925.

BLUE VALLEY

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since June 1, 1923.

Ser. No. 210,918. (CLASS 32. FURNITURE AND UPHOLSTERY.) MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y. Filed Mar. 12, 1925.

RADIO-ART

Applicant disclaims the exclusive right to the use of the word "Radio" appearing on the drawing except as used in connection with the other features of the mark.
Particular description of goods.—Radiocabinets.
Claims use since about Jan. 8, 1925.

Ser. No. 210,927. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) G. REIS & BRO., INC., New York, N. Y. Filed Mar. 12, 1925.

DEEMAAR

Particular description of goods.—Embroidery Hoops.
Claims use since Feb. 1, 1925.

Ser. No. 210,951. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE CARPENTER MANUFACTURING CO., Norwich, Conn. Filed Mar. 13, 1925.

Daintewove

Particular description of goods.—Piece Ribbon.
Claims use since Dec. 1, 1915.

Ser. No. 210,999. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Minneapolis, Minn. Filed Mar. 14, 1925.

ME-TEE-OR

Particular description of goods.—Gasoline.
Claims use since Jan. 15, 1925.

Ser. No. 211,000. (CLASS 15. OILS AND GREASES.) W. H. BARBER COMPANY, Minneapolis, Minn. Filed Mar. 14, 1925.

DYNAMYTE

Particular description of goods.—Gasoline.
Claims use since Feb. 1, 1925.

Ser. No. 211,016. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JESSE A. CASE, doing business as Roz-In-Ize, Brockton, Mass. Filed Mar. 14, 1925.

ROZ-IN-IZE

Trade-mark "Roz-In-Ize."
Particular description of goods.—Compound for Treating Sole Leather and the Soles and Heels of Boots and Shoes.
Claims use since on or about Mar. 5, 1925.

Ser. No. 211,021. (CLASS 37. PAPER AND STATIONERY.) EBERHARD FABER PENCIL COMPANY, Brooklyn, N. Y. Filed Mar. 14, 1925.

COMET

Particular description of goods.—Lead Pencils and Rubber Erasers.
Claims use since 1900 on erasers and Nov. 10, 1924, on lead pencils.

Ser. No. 211,029. (CLASS 17. TOBACCO PRODUCTS.) NEVIL MONROE HOPKINS, doing business as Stratsy Tobacco Company, New York, N. Y. Filed Mar. 14, 1925.

STRATSY



No claim is made to the representation of a cigarette apart from the mark shown.
Particular description of goods.—Cigarettes.
Claims use since Mar. 1, 1925.

Ser. No. 211,111. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CHARLES H. LANGDON, doing business as Langdon Specialties Company, St. Paul, Minn. Filed Mar. 16, 1925.

GRANDANDY

Particular description of goods.—Cross-Word Puzzles.
Claims use since Jan. 1, 1925.

Ser. No. 211,113. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) MIDLAND METAL MANUFACTURING CO., Kansas City, Mo. Filed Mar. 16, 1925.

MIDLAND

Particular description of goods.—Vented S Traps, Ferrules, and Connected Wastes and Overflows.
Claims use since Jan. 19, 1925.

Ser. No. 211,185. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SEATOWN NOVELTY CO. INC., New York, N. Y. Filed Mar. 17, 1925.

SEATOWN

Particular description of goods.—Razor Strops.
Claims use since Dec. 1, 1924.

Ser. No. 211,224. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. N. PIRMAN, Newark, N. J. Filed Mar. 18, 1925.

◆ BLACK DIAMOND ◆

Particular description of goods.—Vacuum Tube for Use in Radio Apparatuses.
Claims use since Oct. 15, 1924.

Ser. No. 211,226. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) H. ROST & Co., Hamburg, Germany. Filed Mar. 18, 1925.

Ballabin

Trade-mark consists of the word "Ballabin."
Particular description of goods.—Belt Dressing and Belt Dressing for Use on Balata Belting.
Claims use since Feb. 13, 1923.

Ser. No. 211,255. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEONA CATOE, doing business as Leno-Reen Mfg. Co., Charlotte, N. C. Filed Mar. 19, 1925.

LENO-REEN



Hair Grower

The picture shown in the drawing is a facsimile of applicant's portrait. The descriptive words "Hair Grower" are disclaimed.
Particular description of goods.—Hair Grower.
Claims use since Feb. 18, 1925.

Ser. No. 211,277. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMAN H. KRONEMO, doing business as Standard Drug and Sales Company, Philadelphia, Pa. Filed Mar. 19, 1925.

JENTEL

Particular description of goods.—Bay Rum, Hydrogen Peroxide, Laxative Tablets, Liniment, System Tonic, and Blood Purifier, Zinc Stearate, Throat Antiseptic; Antiseptic, Disinfectant, and Deodorant Solution; Hair Straightener, Shampoo, and Face Lotion.
Claims use since Mar. 1, 1924.

Ser. No. 211,312. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WALWORTH MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 19, 1925.

THE HANDY HELPER IN EVERY HOME

Particular description of goods.—Wrenches.
Claims use since on or about Apr. 1, 1921.

Ser. No. 211,334. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) "DABEG" MASCHINENFABRIKS AKTIENGESELLSCHAFT, Vienna, Austria. Filed Mar. 20, 1925.

DABEG

Particular description of goods.—Apparatus for Removing Oil or Grease From Steam, Apparatus for Carrying Off Steam (Condensate), Water, Oil and Grease Separators, Steam Separators, Exhaust Heads, Steam Traps and the Like, and Valves.
Claims use since June 15, 1908.

Ser. No. 211,344. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE ENAMEL PRODUCTS COMPANY, Cleveland, Ohio. Filed Mar. 20, 1925.

Tepco

Particular description of goods.—Enameled Metal Ware—Namely, Washtub Covers, Drain Boards, Dirt Trays, Meat Trays, Table Tops, and Signs.
Claims use since August, 1915.

Ser. No. 211,378. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SAMPECK CLOTHES INC., New York, N. Y. Filed Mar. 20, 1925.

BALAPAC

The trade-mark consists of the word "Balapac."
Particular description of goods.—Woolen Fabrics.
Claims use since Mar. 3, 1925.

Ser. No. 211,443. (CLASS 39. CLOTHING.) A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa. Filed Mar. 21, 1925.

BALLEYMULLEN
VIRGIN WOOL SUITINGS

The words "Virgin Wool Suitings" appearing on the trade-mark are disclaimed apart from the mark as shown.
Particular description of goods.—Men's and Young Men's Outer Suits and Overcoats.
Claims use since Jan. 1, 1925.

Ser. No. 211,447. (CLASS 37. PAPER AND STATIONERY.) MARATHON FOUNTAIN PEN CO., New York, N. Y. Filed Mar. 21, 1925.

Marathon
BEST IN THE LONG RUN

The slogan "Best in the Long Run" apart from the mark with which it is associated is disclaimed.
Particular description of goods.—Fountain Pens and Pencils.
Claims use since Feb. 14, 1925.

Ser. No. 211,486. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MORKRUM-KLEINSCHMIDT CORPORATION, Chicago, Ill. Filed Mar. 23, 1925.

TELETYPE

Particular description of goods.—Printing-Telegraph Apparatus.
Claims use since about October, 1920.

Ser. No. 211,498. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. E. SHARPLESS CO., Philadelphia, Pa. Filed March 23, 1925.

WAVDCREST

Particular description of goods.—Butter and Cheese.
Claims use since Jan. 1, 1923.

Ser. No. 211,503. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TOCH BROTHERS, INCORPORATED, New York, N. Y. Filed Mar. 23, 1925.

TOCHSEDO DURABLE
WHITE

Applicant makes no claim to the exclusive right to the use of the words "Durable" and "White" except in the combination shown.
Particular description of goods.—Paint Pigments.
Claims use since Jan. 30, 1906.

Ser. No. 211,520. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. D. CRAIG, Austin, Tex. Filed Mar. 24, 1925.

Q + A

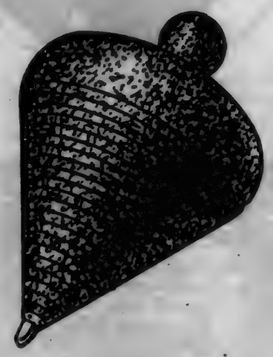
Particular description of goods.—Preparation for Use in the Treatment of Colds, Headache, Grippe, and Influenza.
Claims use since Jan. 1, 1925.

Ser. No. 211,557. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WELLINGTON, SEARS & COMPANY, New York, N. Y. Filed Mar. 24, 1925.

B A

Particular description of goods.—Piece Batiste.
Claims use since Feb. 1, 1917.

Ser. No. 211,587. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) FITZPATRICK BROS., Chicago, Ill. Filed Mar. 25, 1925.



Particular description of goods.—Cleaning Compound in Finely-Divided Form for Household Use.
Claims use since about June, 1918.

Ser. No. 211,592. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELLO-POP COMPANY, St. Louis, Mo. Filed Mar. 25, 1925.

HELLO POP!

Particular description of goods.—Ice-Cream Confection.
Claims use since about Mar. 1, 1925.

Ser. No. 211,658. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BRADSHAW AND MOORE, LIMITED, Manchester, England. Filed Mar. 26, 1925.

ARISTOCRAT

Particular description of goods.—Cotton Piece Goods.
Claims use since Oct. 30, 1924.

Ser. No. 211,671. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANKLIN SIMON & Co., INC., New York, N. Y. Filed Mar. 26, 1925.



Particular description of goods.—Perfumizers (Vaporizers).
Claims use since Mar. 10, 1924.

Ser. No. 211,691. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) M. F. MARTIN, Portland, Oreg. Filed Mar. 26, 1925.



No claim is made to the words "Martin's Kattle-Kure" apart from the mark as shown in the drawing.
Particular description of goods.—Preparation for Use in the Treatment of Bruises, Skin Eruptions, Hoof-and-Mouth Disease of Live Stock, and as a Fumigant for Spraying Fruits, Vegetables, and the Like.
Claims use since Jan. 15, 1925.

Ser. No. 211,700. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARFUMERIE ST. DENIS, New York, N. Y. Filed Mar. 26, 1925.



Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Hair Tonics, Rouges, Perfumes, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, Bath Salts, Smelling Salts, and Sachets.
Claims use since Sept. 1, 1923.

Ser. No. 211,705. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) PURITY WOOL PREPARING COMPANY, Peterborough, N. H. Filed Mar. 26, 1925.



The words "Part Felt Polishing Wheel, Tough, Cheap and Speedy, Made for Hard Roughing Out Work by Purity Wool Preparing Co., Peterborough, N. H." are disclaimed.
Particular description of goods.—Part-Felt Polishing Wheels.
Claims use since Oct. 1, 1924.

Ser. No. 211,726. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) V. VIVAUDOU, INC., New York, N. Y. Filed Mar. 26, 1925.



Particular description of goods.—Face Powders, Face Creams, Toilet Waters, Rouges, Lip Sticks, Eyebrow Pencils, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, Bath Salts, Smelling Salts, and Sachets.
Claims use since Apr. 15, 1920.

Ser. No. 211,746. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HAYDEN BROTHERS, Omaha, Nebr. Filed Mar. 27, 1925.



Particular description of goods.—Bluing and Ammonia.
Claims use since Jan. 1, 1895.

Ser. No. 211,762. (CLASS 37. PAPER AND STATIONERY.) SIMPLICATOR CORPORATION, New York, N. Y. Filed Mar. 27, 1925.



The words "Trade-Mark" on the drawing are disclaimed apart from the mark shown.
Particular description of goods.—Hand Stamp.
Claims use since about Mar. 10, 1925.

Ser. No. 211,797. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) EDUARD POHL, doing business as Phoenix Match Factory, Viljandi, Esthonia. Filed Mar. 28, 1925.



No claim is made to the exclusive use of the words "The Quality, Safety Match, Made in Esthonia, Parnffined, Impregnated."
Particular description of goods.—Matches.
Claims use since Feb. 25, 1925.

Ser. No. 211,798. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) EDUARD POHL, doing business as Phoenix Match Factory, Viljandi, Esthonia. Filed Mar. 28, 1925.



No claim is made to the exclusive use of the words "Made in Esthonia, Safety Match."
Particular description of goods.—Matches.
Claims use since Feb. 25, 1925.

Ser. No. 211,801. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) EDUARD POHL, doing business as Phoenix Match Factory, Viljandi, Esthonia. Filed Mar. 28, 1925.



No claim is made to the exclusive use of the words "Impregnated, 1905, Bruxelles, Safety Match, Average Contents 45 Matches, Made in Esthonia."
Particular description of goods.—Matches.
Claims use since Feb. 25, 1925.

Ser. No. 211,843. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GRANT BROTHERS, Chicago, Ill. Filed Mar. 30, 1925.

UWILIKIT

Particular description of goods.—Hair Tonic.
Claims use since Feb. 2, 1925.

Ser. No. 211,844. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Mar. 30, 1925.



No claim is made to the representation of the goods.
Particular description of goods.—Golf Balls.
Claims use since Mar. 6, 1925.

Ser. No. 211,866. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PFEIFFER INSECTICIDE COMPANY, Louisville, Ky. Filed Mar. 30, 1925.



Particular description of goods.—Insecticides.
Claims use since 1880.

Ser. No. 211,885. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. F. WINKLER, Montpelier, N. Dak. Filed Mar. 30, 1925.



Particular description of goods.—Hair Tonic.
Claims use since Oct. 1, 1924.

Ser. No. 211,887. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed Mar. 31, 1925.

Gulon

Particular description of goods.—Fluxes for Soldering Metals.
Claims use since Nov. 27, 1924.

Ser. No. 211,889. (CLASS 39. CLOTHING.) H. BERNSTEIN & Co. INC., Chicago, Ill., and Valparaiso, Ind. Filed Mar. 31, 1925.



Particular description of goods.—Overalls.
Claims use since Mar. 18, 1925.

Ser. No. 211,952. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. COVER SMITH, doing business as The Keymarine Company, Keymar, Md. Filed Mar. 31, 1925.

KEYMARINE

Particular description of goods.—Ointment for the Treatment of the Skin to Soothe, Heal, Soften, and Beautify the Same.
Claims use since Mar. 19, 1925.

Ser. No. 212,050. (CLASS 17. TOBACCO PRODUCTS.) AUSTIN, NICHOLS & CO. INC., New Haven, Conn. Filed Apr. 2, 1925. Under ten year proviso.

Winchester

Particular description of goods.—Cigars.
Claims use since Oct. 16, 1894.

Ser. No. 212,058. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CEPHALIC COMPANY, Walterboro, S. C. Filed Apr. 2, 1925.

Cephalic

Particular description of goods.—Remedy for Headache.
Claims use since Dec. 15, 1924.

Ser. No. 212,080. (CLASS 39. CLOTHING.) AL GOLDSTEIN, New York, N. Y. Filed Apr. 2, 1925.



Particular description of goods.—Men's Dress, Negligee, and Work Shirts.
Claims use since about Mar. 1, 1925.

Ser. No. 212,081. (CLASS 38. PRINTS AND PUBLICATIONS.) GRIT PUBLISHING CO., Williamsport, Pa. Filed Apr. 2, 1925.



The lining on the drawing is merely for the purpose of shading, the words "America's Greatest Family Newspaper" not being claimed apart from the mark.
Particular description of goods.—Weekly Newspaper.
Claims use since December, 1882.

Ser. No. 212,105. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE SERVICE PRODUCTS MANUFACTURING CO., Chicago, Ill. Filed Apr. 2, 1925.

SOLVENE

Particular description of goods.—Fluid for Cleaning Typewriter Type, Rubber Stamps, Numbering Machines, and Mechanical Office Devices, Prepared for and to be Used in Fountain Brushes.
Claims use since Jan. 1, 1924.

Ser. No. 212,141. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BEATRICE JACKSON, doing business as Novelty Doll Co., Auburn, N. Y. Filed Apr. 3, 1925.

JACK and JILL



Particular description of goods.—Dolls.
Claims use since Feb. 15, 1925.

Ser. No. 212,176. (CLASS 39. CLOTHING.) DAVENPORT HOSIERY MILLS, Chattanooga, Tenn. Filed Apr. 4, 1925.

SILVERTICKET

Particular description of goods.—Hosiery.
Claims use since about Nov. 1, 1919.

Ser. No. 212,294. (CLASS 17. TOBACCO PRODUCTS.) SCHWAB BROS. & BAER, INC., New York, N. Y. Filed Apr. 4, 1925.

NOBILITY

Particular description of goods.—Tobacco Products—Namely Cigars.
Claims use since December, 1881.

Ser. No. 212,311. (CLASS 39. CLOTHING.) ISADORE D. WOLFSON, New York, N. Y. Filed Apr. 6, 1925.

SILKALLO

Trade-mark consists of the word "Silkallo."
Particular description of goods.—Neckties.
Claims use since Aug. 1, 1924.

Ser. No. 212,341. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MEADOR-GRANT MACARONI COMPANY, INC., Mobile, Ala. Filed Apr. 7, 1925.



Particular description of goods.—Macaroni, Egg Noodles, and Spaghetti.
Claims use since Oct. 1, 1924.

Ser. No. 212,424. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Apr. 9, 1925.

HALOPONT

Particular description of goods.—Dye Pigments and Dyestuffs.
Claims use since Jan. 21, 1925.

Ser. No. 212,425. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del. Filed Apr. 9, 1925.

SULFOXITE

Particular description of goods.—Dye Pigments, Dyestuffs.
Claims use since Jan. 28, 1925.

Ser. No. 212,488. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES L. EVANS, Monroe, La. Filed Apr. 10, 1925.

BOBO

Particular description of goods.—Mange Remedy.
Claims use since September, 1924.

Ser. No. 212,502. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. K. MULFORD COMPANY, Philadelphia, Pa. Filed Apr. 10, 1925.

THROMBOL

Particular description of goods.—Blood Coagulant.
Claims use since Apr. 1, 1925.

Ser. No. 212,539. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. E. BOOTH CO., San Francisco, Calif. Filed Apr. 11, 1925.

DUO

Particular description of goods.—Canned Fruits.
Claims use since Mar. 14, 1925.

Ser. No. 212,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEWCASTLE FRUIT GROWERS ASSOCIATION, Newcastle, Calif. Filed Apr. 11, 1925.

COVERED WAGON

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Mar. 18, 1925.

Ser. No. 212,586. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ARABOL M'F'G CO., New York, N. Y., Filed Apr. 13, 1925.

FESSLINE

Particular description of goods.—Waterproofing Compound.
Claims use since Mar. 2, 1924.

Ser. No. 212,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FOLEY & COMPANY, Chicago, Ill. Filed Apr. 13, 1925.

ORINO

Particular description of goods.—Laxative.
Claims use since Oct. 1, 1904.

Ser. No. 212,701. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN J. SPILLINGER, doing business as The Fine-O-Line Co., New York, N. Y. Filed Apr. 14, 1925.

FINE-O-LINE

Particular description of goods.—Compounds for Treating Furs and Skins.
Claims use since Feb. 16, 1925.

Ser. No. 212,720. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMBL PACKING COMPANY, Seattle, Wash., and Valdez, Alaska. Filed Apr. 15, 1925.

FOREMOST

Particular description of goods.—Canned Salmon.
Claims use since Jan. 20, 1925.

Ser. No. 212,729. (CLASS 33. GLASSWARE.) GILLINDER & SONS INC., Philadelphia, Pa. Filed Apr. 15, 1925.

GLASSILK

Particular description of goods.—Illuminating Glassware.
Claims use since Apr. 7, 1925.

Ser. No. 212,730. (CLASS 33. GLASSWARE.) GILLINDER & SONS INC., Philadelphia, Pa. Filed Apr. 15, 1925.

N.B.G.

Particular description of goods.—Illuminating Glassware.
Claims use since about Apr. 7, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

MAY 26, 1925.

198,661. BEER, BEER POWDER (A MATERIAL FOR SELF-PREPARING BEER). OTTO REICHEL, Berlin, Germany.
Filed November 14, 1924. Serial No. 205,297. PUBLISHED MARCH 10, 1925.

198,662. SARDINES PACKED IN OLIVE OIL. WILLIAM LICHTENSTEIN, doing business as Ideal Trading Company, New York, N. Y.
Filed October 21, 1924. Serial No. 204,238. PUBLISHED MARCH 10, 1925.

198,663. CANNED MACKEREL, CANNED KIPPER SNACKS, AND CANNED SARDINES. WILLIAM LICHTENSTEIN, doing business as Ideal Trading Company, New York, N. Y.
Filed October 21, 1924. Serial No. 204,240. PUBLISHED MARCH 10, 1925.

198,664. SARDINES PACKED IN OLIVE OIL. WILLIAM LICHTENSTEIN, doing business as Ideal Trading Company, New York, N. Y.
Filed October 21, 1924. Serial No. 204,241. PUBLISHED MARCH 10, 1925.

198,665. CHOCOLATE. SUCHARD, S. A., Neuchatel-Serrieres, Switzerland.
Filed October 21, 1924. Serial No. 204,252. PUBLISHED MARCH 10, 1925.

198,666. CANNED FISH, SPECIFICALLY SARDINES IN OIL. STROHMEYER & ARPE COMPANY, New York, N. Y.
Filed October 25, 1924. Serial No. 204,425. PUBLISHED MARCH 10, 1925.

198,667. MECHANICAL PENCILS AND FOUNTAIN PENS. THE PARKER PEN CO., Janesville, Wis.
Filed November 3, 1924. Serial No. 204,784. PUBLISHED MARCH 10, 1925.

198,668. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. ALMOND-SMASH CO., INC., Baltimore, Md.
Filed November 7, 1924. Serial No. 204,949. PUBLISHED MARCH 10, 1925.

198,669. INSOLES. JEREMIAH D. COLEMAN, doing business as Magic Insole Co., New York, N. Y.
Filed November 10, 1924. Serial No. 205,050. PUBLISHED MARCH 3, 1925.

198,670. FRESH GRAPES. THE CROWN FRUIT CO., Lodi, Calif.
Filed November 13, 1924. Serial No. 205,203. PUBLISHED MARCH 10, 1925.

198,671. THREE-WHEELED SCOOTERS AND VELOCIPEDES. NATIONAL PACKAGE PRODUCTS CO., Anderson, Ind.
Filed November 14, 1924. Serial No. 205,290. PUBLISHED MARCH 10, 1925.

198,672. SILICATE OF SODA. PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa.
Filed November 14, 1924. Serial No. 205,295. PUBLISHED MARCH 10, 1925.

198,673. GAMES AND DICE-SHAKING DEVICES—NAMELY, PARLOR BOARD GAMES PLAYED WITH MINIATURE AEROPLANE AND DICE, AND DICE-SHAKING DEVICES CONSISTING OF DICE AND DICE BOXES. FREDERICK R. BARNARD, doing business as Educational Games Co., New York, N. Y.
Filed November 15, 1924. Serial No. 205,308. PUBLISHED MARCH 10, 1925.

198,674. PREPARED CAKE ICINGS. JAMES P. SMITH & COMPANY, New York, N. Y.
Filed November 15, 1924. Serial No. 205,369. PUBLISHED MARCH 10, 1925.

198,675. SALAD OIL—NAMELY, COTTONSEED SALAD OIL. CHAS. F. MARTORELLI and MRS. LOUISA GAETANO, executors of R. Martorelli, doing business as Ramarto Products Company, New York, N. Y.
Filed November 17, 1924. Serial No. 205,427. PUBLISHED MARCH 10, 1925.

198,676. FUEL OILS, LUBRICATING OILS AND GREASES. HOWARD L. PARKER, Wichita, Kans.
Filed September 16, 1924. Serial No. 202,678. PUBLISHED MARCH 10, 1925.

198,677. LIBRARY PASTE, GLUE, MUCILAGE, LIQUID PASTES, AND ADHESIVE CEMENTS. GEORGE L. UMAN, doing business as Pacific Adhesive Products Company, Los Angeles, Calif.
Filed September 17, 1924. Serial No. 202,725. PUBLISHED DECEMBER 23, 1924.

198,678. PILE FABRICS—NAMELY, VELVETS IN THE PIECE. SALT'S TEXTILE COMPANY, INC., New York, N. Y.
Filed October 8, 1924. Serial No. 203,591. PUBLISHED FEBRUARY 24, 1925.

198,679. FABRICATED ARTICLES—VIZ, COAL AND COKE BAGS. CHICAGO TEXTILE PRODUCTS COMPANY, Chicago, Ill.
Filed October 17, 1924. Serial No. 204,010. PUBLISHED MARCH 10, 1925.

198,680. POLISH INCIDENTALLY POSSESSING CLEANING PROPERTIES FOR FURNITURE, PIANOS, SEWING MACHINES, CARRIAGES, AND AUTOMOBILE BODIES. GOLDEN STAR POLISH MANUFACTURING COMPANY, Kansas City, Mo.
Filed October 17, 1924. Serial No. 204,026. PUBLISHED MARCH 10, 1925.

198,681. TITLE OF A NEWSPAPER COLUMN. DARSIE LLOYD DARSIE, Los Angeles, Calif.
Filed October 20, 1924. Serial No. 204,161. PUBLISHED MARCH 10, 1925.

198,682. LEATHER, RUBBER, AND FIBROUS BOOTS, SHOES, AND SLIPPERS AND RUBBER AND COMPOSITION HEELS FOR BOOTS, SHOES, AND SLIPPERS. M. SAMUELS & CO., Baltimore, Md.
Filed November 17, 1924. Serial No. 205,446. PUBLISHED MARCH 10, 1925.

198,683. LIQUID GLUE. GORTON PEW FISHERIES COMPANY, LTD., Gloucester, Mass.
Filed November 19, 1924. Serial No. 205,525. PUBLISHED MARCH 17, 1925.

198,684. DRESSED TURKEYS. J. H. WHITE & CO., Chicago, Ill.
Filed November 19, 1924. Serial No. 205,576. PUBLISHED MARCH 10, 1925.

198,685. ONE-PIECE UNDERGARMENTS, EACH COMPRISING A WAIST AND PETTICOAT OR SKIRT. MCDONALDS, LIMITED, Glasgow, Scotland.
Filed November 21, 1924. Serial No. 205,650. PUBLISHED FEBRUARY 24, 1925.

198,686. FRESH CITROUS FRUITS. POLK COUNTY CITRUS SUB-EXCHANGE, Bartow, Fla.
Filed November 22, 1924. Serial No. 205,709. PUBLISHED MARCH 10, 1925.

198,687. JELLIES, JAMS, FRUIT BUTTERS, FRUIT PRESERVES, PICKLES, AND TOMATO CATCHUP. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,790. PUBLISHED MARCH 10, 1925.

198,688. JELLIES, JAMS, FRUIT BUTTERS, AND FRUIT PRESERVES. SQUIRE DINGEE COMPANY, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,794. PUBLISHED MARCH 10, 1925.

198,689. LUBRICATING OILS, GASOLINE, KEROSENE, AND LUBRICATING GREASES. CLAYTON OIL & REFINING COMPANY, Dallas, Tex.
Filed November 26, 1924. Serial No. 205,858. PUBLISHED MARCH 10, 1925.

198,690. SANITARY APRON IN THE FORM OF BLOOMERS FOR LADIES' WEAR. MINNIE S. HULLEY, Ozone Park, N. Y.
Filed November 26, 1924. Serial No. 205,874. PUBLISHED MARCH 10, 1925.

198,691. FRESH FRUITS—I. E., COLORADO PINK-MEAT MELONS, COLORADO HONEYDEW MELONS, AND ORANGES, ALSO DRIED PRUNES AND POTATOES IN THEIR NATURAL STATE. J. & G. LIPPMANN, INCORPORATED, New York, N. Y.
Filed November 26, 1924. Serial No. 205,880. PUBLISHED MARCH 10, 1925.

198,692. A NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. GEORGE CALTIS, doing business as Drink Mo Beverage Company, Memphis, Tenn.
Filed November 28, 1924. Serial No. 205,902. PUBLISHED MARCH 10, 1925.

198,693. TRUSSES, ORTHOPÆDIC APPLIANCES, ELASTIC HOSIERY, ABDOMINAL SUPPORTERS, BRACES, CRUTCHES, ARTIFICIAL LIMBS, ARCH SUPPORTERS, INVALID CHAIRS, SURGICAL INSTRUMENTS, AND BACK RESTS. THE WILLIAM M. EISEN COMPANY, INC., New York, N. Y.
Filed November 28, 1924. Serial No. 205,914. PUBLISHED MARCH 10, 1925.

198,694. EGGS, BABY CHICKS, AND LIVE MATURE FOWLS USED EXCLUSIVELY FOR BREEDING AND HATCHING PURPOSES. ERNEST W. ENGSTROM, Kent, Wash.
Filed November 28, 1924. Serial No. 205,915. PUBLISHED MARCH 10, 1925.

198,695. CHOCOLATE COATING—NAMELY, CHOCOLATE IN CAKE FORM FOR BAKERS' USE. IDEAL COCOA & CHOCOLATE CO., Lititz, Pa., and New York, N. Y.
Filed December 1, 1924. Serial No. 206,072. PUBLISHED MARCH 10, 1925.

198,696. HONEY. ELI SPOKANE, Pittsburgh, Pa.
Filed December 1, 1924. Serial No. 206,093. PUBLISHED MARCH 10, 1925.

198,697. ELECTROTHERAPEUTIC DEVICE. SUN-RAY HEALTH COMPANY, Green Bay, Wis.
Filed December 1, 1924. Serial No. 206,095. PUBLISHED MARCH 10, 1925.

198,698. FOOD-FLAVORING EXTRACTS. THE FRIES & FRIES CO., Cincinnati, Ohio.
Filed December 3, 1924. Serial No. 206,162. PUBLISHED MARCH 10, 1925.

198,699. FOOD-FLAVORING EXTRACTS. FRIES & FRIES CO., Cincinnati, Ohio.
Filed December 3, 1924. Serial No. 206,163. PUBLISHED MARCH 10, 1925.

198,700. FRUIT JELLIES. ANC-CO PRESERVING CO., Birmingham, Ala.
Filed December 5, 1924. Serial No. 206,270. PUBLISHED MARCH 10, 1925.

198,701. SHOES OF LEATHER, CANVAS, AND COMBINATIONS THEREOF. INTERNATIONAL SHOE COMPANY, doing business as Roberts, Johnson & Rand, St. Louis, Mo.
Filed December 5, 1924. Serial No. 206,307. PUBLISHED MARCH 3, 1925.

198,702. GARTERS. HOPE JOHNSTON, New York, N. Y.
Filed December 5, 1924. Serial No. 206,311. PUBLISHED MARCH 3, 1925.

198,703. PAPER AND PAPERBOARD-PAILS AND CARTONS. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis.
Filed December 5, 1924. Serial No. 206,322. PUBLISHED MARCH 10, 1925.

198,704. CHOCOLATE POWDER PREPARATION FOR HOT CHOCOLATE. WHITE-STOKES COMPANY, INC., Chicago, Ill.
Filed December 5, 1924. Serial No. 206,337. PUBLISHED MARCH 10, 1925.

198,705. SALAD OIL PRODUCED FROM REFINED COTTONSEED OIL. SWIFT AND COMPANY, Chicago, Ill.
Filed December 6, 1924. Serial No. 206,381. PUBLISHED MARCH 10, 1925.

198,706. IRON AND STEEL INGOTS, BARS, ANGLES, CHANNELS, FORGINGS, AND CASTINGS. ARKANSAS FOUNDRY CO., Little Rock, Ark.
Filed December 8, 1924. Serial No. 206,389. PUBLISHED MARCH 10, 1925.

198,707. CHOCOLATE-COATED CANDY BARS. D. M. CRUTCHER CO., San Francisco, Calif.
Filed December 8, 1924. Serial No. 206,401. PUBLISHED MARCH 10, 1925.

198,708. SHEET-METAL TANKS. PUGET SOUND SHEET METAL WORKS, Seattle, Wash.
Filed December 8, 1924. Serial No. 206,433. PUBLISHED MARCH 10, 1925.

198,709. CANDY. MINTER BROTHERS, Philadelphia, Pa.
Filed December 9, 1924. Serial No. 206,488. PUBLISHED MARCH 10, 1925.

198,710. FUR GARMENTS—NAMELY COATS, STOLES, CAPES, AND JACKETS. FELDBAUM & SPIEGEL, INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,519. PUBLISHED FEBRUARY 24, 1925.

198,711. MEN'S HATS. HARRY SILVERSTEIN, New York, N. Y.
Filed December 12, 1924. Serial No. 206,643. PUBLISHED MARCH 3, 1925.

198,712. METAL TUBING INCLUDING WROUGHT-IRON PIPE. READING IRON COMPANY, Reading, Pa.
Filed December 13, 1924. Serial No. 206,691. PUBLISHED MARCH 3, 1925.

198,713. PREPARATORY MACHINERY FOR THE WHOLE TEXTILE INDUSTRY. MASCHINENFABRIK SCHWEITER A.-G. (Textile Machine Works Schweiter Limited), Horgen, Switzerland.
Filed November 10, 1924. Serial No. 205,078. PUBLISHED MARCH 10, 1925.

198,714. TONIC LAXATIVE. ARNOLD AND GRANT, doing business as R. & R. Chemical Company, Detroit, Mich.
Filed December 15, 1924. Serial No. 206,712. PUBLISHED MARCH 10, 1925.

198,715. MEDICINES FOR RELIEF OF COLDS, GRIPPE, HEADACHE, NEURALGIA, RHEUMATISM, AND TOOTHACHE. ARNOLD AND GRANT, doing business as R. & R. Chemical Company, Detroit, Mich.
Filed December 15, 1924. Serial No. 206,713. PUBLISHED MARCH 10, 1925.

198,716. MEN'S AND BOYS' HATS AND CAPS INCLUDING FELT HATS AND STRAW HATS. CRESCENT HAT & CAP COMPANY, New York, N. Y.
Filed December 15, 1924. Serial No. 206,722. PUBLISHED MARCH 3, 1925.

198,717. MEN'S AND BOYS' HATS AND CAPS INCLUDING FELT HATS AND STRAW HATS. CRESCENT HAT & CAP COMPANY, New York, N. Y.
Filed December 15, 1924. Serial No. 206,728. PUBLISHED MARCH 3, 1925.

198,718. SHOES AND SLIPPERS OF LEATHER. JOSEPH STRASBURGER CO. INC., doing business as The Family Shoe Store, Washington, D. C.
Filed December 15, 1924. Serial No. 206,756. PUBLISHED MARCH 3, 1925.

198,719. PICKLED OR PRESERVED FRUIT—NAMELY, SWEET PICKLED FIGS. FOOD PRODUCTS CO., San Francisco and Sultana, Calif.
Filed December 16, 1924. Serial No. 206,774. PUBLISHED MARCH 10, 1925.

198,720. LIQUID SUBSTITUTE FOR EXTRACT OF VANILLA FOR FOOD-FLAVORING PURPOSES. ARTHUR HARRISON, doing business as The Vanillarine Company, Glendale, Calif.
Filed December 17, 1924. Serial No. 206,847. PUBLISHED MARCH 10, 1925.

198,721. METAL CASTINGS AND PARTS FOR LOCOMOTIVES AND OTHER MACHINERY. HUNT-SPILLER MANUFACTURING CORPORATION, Boston, Mass.
Filed December 17, 1924. Serial No. 206,850. PUBLISHED MARCH 10, 1925.

198,722. CANNED PEAS AND CANNED MIXED VEGETABLES. THE KROGER GROCERY & BAKING CO., Cincinnati, Ohio.
Filed September 11, 1924. Serial No. 202,500. PUBLISHED MARCH 10, 1925.

198,723. GASOLINE, KEROSENE, NAPHTHA, FUEL OIL, LUBRICATING OILS AND GREASES, MOTOR FUEL, AND AUTOMOBILE LUBRICANTS. LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La.
Filed August 29, 1924. Serial No. 202,025. PUBLISHED MARCH 10, 1925.

198,724. HARD-CANDY STICKS. STEPHEN F. WHITMAN & SON, INC., Philadelphia, Pa.
Filed September 9, 1924. Serial No. 202,428. PUBLISHED MARCH 10, 1925.

198,725. GASOLINE, KEROSENE, NAPHTHA, FUEL OIL, LUBRICATING OILS AND GREASES, MOTOR FUEL, AND AUTOMOBILE LUBRICANTS. LOUISIANA OIL REFINING CORPORATION, Richmond, Va., and Shreveport, La.
Filed August 29, 1924. Serial No. 202,024. PUBLISHED MARCH 10, 1925.

198,726. BULLETINS AND CIRCULARS. CENTRAL COUNCIL FOR NURSING EDUCATION, Chicago, Ill.
Filed August 29, 1924. Serial No. 202,002. PUBLISHED MARCH 10, 1925.

198,727. CANNED VEGETABLES. MINNESOTA VALLEY CANNING CO., Le Sueur, Minn.
Filed August 18, 1924. Serial No. 201,573. PUBLISHED MARCH 17, 1925.

198,728. HOSE-SUSPENDER GRIP. HUGO DAHMS, Berlin, Germany.
Filed August 13, 1924. Serial No. 201,383. PUBLISHED FEBRUARY 17, 1925.

198,729. GASOLINE, LUBRICATING OILS AND GREASES. HYGRADE OIL & FUEL CORPORATION, Buffalo, N. Y.
Filed August 8, 1924. Serial No. 201,135. PUBLISHED MARCH 10, 1925.

198,730. KNIFE SHARPENERS. KENNO CORPORATION, New York, N. Y.
Filed July 31, 1924. Serial No. 200,769. PUBLISHED MARCH 10, 1925.

198,731. TRACTION ENGINES. INTERNAL-COMBUSTION ENGINES, AND AGRICULTURAL MACHINES, SPARE PARTS OF SAID ENGINES AND MACHINES. ANDRÉ CITROËN, Paris, France.
Filed July 16, 1924. Serial No. 200,092. PUBLISHED MARCH 10, 1925.

198,732. PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER OILS FOR ILLUMINATING HEATING, BURNING, POWER, AND LUBRICATING PURPOSES. WEST INDIA OIL COMPANY, Bayonne, N. J.
Filed June 14, 1924. Serial No. 198,600. PUBLISHED MARCH 10, 1925.

198,733. PETROLEUM WITH OR WITHOUT ADMIXTURE OF OTHER OILS FOR ILLUMINATING, HEATING, BURNING, POWER, AND LUBRICATING PURPOSES. WEST INDIA OIL COMPANY, Bayonne, N. J.
Filed June 14, 1924. Serial No. 198,599. PUBLISHED MARCH 10, 1925.

198,734. SUBSTITUTE FOR PINE TURPENTINE PETROLEUM PRODUCTS CORPORATION, Little Rock, Ark., assignor, by mesne assignments, to M-O-R Products Company, a Corporation of Delaware.
Filed June 12, 1924. Serial No. 198,471. PUBLISHED MARCH 3, 1925.

198,735. LEATHER SHOES. FRANK G. DELSON, Brooklyn, N. Y.
Filed June 4, 1924. Serial No. 198,057. PUBLISHED MARCH 3, 1925.

198,736. TABLE BOARD GAME PLAYED WITH PIECES. HELEN CHEPKO, New York, N. Y.
Filed May 17, 1924. Serial No. 197,187. PUBLISHED MARCH 17, 1925.

198,737. LEATHER BOOTS AND SHOES AND SHOES MADE WITH FIBER COUNTERS AND ALSO FOR SHOES MADE WITH COMPOSITION SOLES. RED WING SHOE COMPANY, Red Wing, Minn.
Filed May 6, 1924. Serial No. 196,675. PUBLISHED MARCH 10, 1925.

198,738. FIXTURES CONSTRUCTED OF WOOD, METAL, AND MARBLE, INCLUDING COUNTERS, SHELVING, DISPLAY CASES, DESKS, AND DISPLAY TABLES. EUGENE STRAUS CABINET WORKS, INCORPORATED, Louisville, Ky.
Filed May 2, 1924. Serial No. 196,485. PUBLISHED MARCH 10, 1925.

198,739. PURE-MALT-EXTRACT SIRUP. HERMAN FELS, doing business as Fels New Products Company, Brooklyn, N. Y., assignor to Sol Wyetzner and David Laufer, Brooklyn, N. Y.
Filed February 20, 1924. Serial No. 192,568. PUBLISHED MARCH 10, 1925.

198,740. LITHOPONE. ST. LOUIS LITHOPONE COMPANY, St. Louis, Mo.
Filed January 21, 1924. Serial No. 191,099. PUBLISHED MARCH 10, 1925.

198,741. COASTER WAGONS. LEWIS E. MYERS AND COMPANY, Valparaiso, Ind.
Filed January 17, 1924. Serial No. 190,934. PUBLISHED MARCH 17, 1925.

198,742. ANTISEPTIC MEDICINE FOR DISEASES OF THE STOMACH AND BOWELS. G. M. GORDON, doing business as G. M. Gordon Drug Co., Dallas, Tex.
Filed December 8, 1924. Serial No. 206,406. PUBLISHED FEBRUARY 24, 1925.

198,743. PHANTOM MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,731. PUBLISHED MARCH 10, 1925.

198,744. CROSS-WORD GAMES. THE CROSTICON COMPANY, INC., New York, N. Y.
Filed January 7, 1925. Serial No. 207,780. PUBLISHED MARCH 10, 1925.

198,745. BILLIARD-TABLE CUSHIONS MADE OF INDIA RUBBER. THURSTON & COMPANY, LIMITED, London, England.
Filed January 7, 1925. Serial No. 207,802. PUBLISHED MARCH 10, 1925.

198,746. STEEL WOOL FOR RUBBING, CLEANSING, POLISHING, AND SCOURING. INTERNATIONAL STEEL WOOL CORPORATION, Springfield, Ohio.
Filed January 8, 1925. Serial No. 207,817. PUBLISHED MARCH 10, 1925.

198,747. APPLIANCE FOR THE ALLEVIATION OF PAIN IN OPERATIVE DENTISTRY. ORATUNDER CORPORATION, Rochester, N. Y.
Filed January 8, 1925. Serial No. 207,823. PUBLISHED MARCH 10, 1925.

198,748. LADIES' HATS. CHARLES WEISKER, doing business as Charles Weisker & Co., New York, N. Y.
Filed January 9, 1925. Serial No. 207,906. PUBLISHED MARCH 3, 1925.

198,749. COFFEE. RALPH A. SILVA BEAUCHAMP, Philadelphia, Pa.
Filed January 10, 1925. Serial No. 207,915. PUBLISHED MARCH 10, 1925.

198,750. FLINT PAPER, EMERY CLOTH, AND GARNET PAPER. FEDERAL ABRASIVE WORKS, INC., Westfield, Mass.
Filed January 10, 1925. Serial No. 207,924. PUBLISHED MARCH 10, 1925.

198,751. NECKBANDS. GERSTEIN BROTHERS, New York, N. Y.
Filed January 10, 1925. Serial No. 207,929. PUBLISHED MARCH 10, 1925.

198,752. MEN'S AND WOMEN'S GARTERS, HOSE SUPPORTERS, AND ARM BANDS. BEYERLE MFG. CO., INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,038. PUBLISHED MARCH 3, 1925.

198,753. HOSIERY. THE SPERRY & HUTCHINSON COMPANY, New York, N. Y.
Filed January 13, 1925. Serial No. 208,074. PUBLISHED MARCH 10, 1925.

198,754. CANDY—NAMELY, NOUGATS. MISTRESS JULIA C. STEVEN, INC., doing business as J. C. Steven Candy Company, Chicago, Ill.
Filed January 13, 1925. Serial No. 208,077. PUBLISHED MARCH 17, 1925.

198,755. BURIAL RECEPTACLES. HALSTED-DIBBLE & Co., San Francisco, Calif.
Filed January 15, 1925. Serial No. 208,140. PUBLISHED MARCH 10, 1925.

198,756. CHILDREN'S SHOES CONSISTING OF LEATHER AND RUBBER BOOTS, LEATHER, RUBBER, AND FABRIC SHOES, AND COMBINATION LEATHER AND FABRIC SHOES. C. GOTHIAN & COMPANY, St. Paul, Minn.
Filed January 16, 1925. Serial No. 208,188. PUBLISHED MARCH 10, 1925.

198,757. TIES, CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. FRIEDMAN BROS. & SONS NECKWEAR CO., INC., New York, N. Y.
Filed January 19, 1925. Serial No. 208,289. PUBLISHED MARCH 10, 1925.

198,758. PAPER OR CLOTH COATED WITH AN ALUMINUM-OXIDE ABRASIVE. FEDERAL ABRASIVE WORKS, INC., Westfield, Mass.
Filed January 20, 1925. Serial No. 208,338. PUBLISHED MARCH 10, 1925.

198,759. PAPER OR CLOTH COATED WITH A SILICON-CARBIDE ABRASIVE. FEDERAL ABRASIVE WORKS, INC., Westfield, Mass.
Filed January 20, 1925. Serial No. 208,339. PUBLISHED MARCH 10, 1925.

198,760. OVERALLS, JUMPERS, WORK AND NEGLIGEE SHIRTS AND TROUSERS, CHILDREN'S ROMPERS, AND ONE-PIECE SUITS. THE BAYLY UNDERHILL MFG. CO., Denver, Colo.
Filed January 22, 1925. Serial No. 208,448. PUBLISHED MARCH 10, 1925.

198,761. LUBRICATING OILS AND GREASES. THE RUSSIAN OIL CO., Chicago, Ill.
Filed January 22, 1925. Serial No. 208,484. PUBLISHED MARCH 10, 1925.

198,762. LUBRICATING OILS AND GREASES. THE RUSSIAN OIL CO., Chicago, Ill.
Filed January 22, 1925. Serial No. 208,485. PUBLISHED MARCH 10, 1925.

198,763. SINKERS USED FOR FISHING LINES. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,715. PUBLISHED MARCH 10, 1925.

198,764. GAMES, TOYS, AND SPORTING GOODS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,712. PUBLISHED MARCH 10, 1925.

198,765. MALT EXTRACT FOR BEVERAGE-MAKING PURPOSES, BIELEK MFG. CO., Pittsburgh, Pa.
Filed January 6, 1925. Serial No. 207,708. PUBLISHED MARCH 10, 1925.

198,766. COMBINATION CORSET AND BRASSIÈRES. BENJAMIN & JOHNES, Newark, N. J.
Filed January 6, 1925. Serial No. 207,707. PUBLISHED MARCH 3, 1925.

198,767. SOAP. SWIFT AND COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,695. PUBLISHED MARCH 10, 1925.

198,768. LADIES' LEATHER, CANVAS, RUBBER, AND FABRIC BOOTS AND SHOES. BURROWS SHOE COMPANY, Rochester, N. Y.
Filed January 5, 1925. Serial No. 207,650. PUBLISHED MARCH 3, 1925.

198,769. MEDICAL AND COSMETIC SOAPS. ALFRED E. F. WEIDNER, doing business as Fabrik Medizinischer und Kosmetischer Präparate Dr. Alfred E. F. Weidner, Berlin, Germany.
Filed January 2, 1925. Serial No. 207,603. PUBLISHED MARCH 10, 1925.

198,770. CANNED FRUITS AND VEGETABLES. ALBERT W. SISK & SON, Preston, Md.
Filed January 2, 1925. Serial No. 207,598. PUBLISHED MARCH 10, 1925.

198,771. WALKING CREEPERS. P. B. RUTAN & SON, Elmira, N. Y.
Filed January 2, 1925. Serial No. 207,595. PUBLISHED MARCH 10, 1925.

198,772. SILK, COTTON, AND WOOL BLOUSES, FLANNEL, CHAMBRAYS, SATEENS, OUTING-FLANNEL BLOUSES FOR BOYS. H. J. HOLMAN & SONS INC., Sheboygan, Wis.
Filed January 2, 1925. Serial No. 207,570. PUBLISHED MARCH 10, 1925.

198,773. MISSES' AND CHILDREN'S HATS AND BABIES' BONNETS. JACOB AUSLANDER & SON INC., New York, N. Y.
Filed January 2, 1925. Serial No. 207,545. PUBLISHED MARCH 10, 1925.

198,774. FRESH CELERY. ANDREW J. SORBELLO, New York, N. Y.
Filed December 31, 1924. Serial No. 207,531. PUBLISHED MARCH 17, 1925.

198,775. MEN'S OUTER APPAREL—NAMELY, TROUSERS, KNICKERBOCKERS, SUITS, AND OVERCOATS. HOUSE OF FRIEDMAN BROS. INC., New York, N. Y.
Filed December 30, 1924. Serial No. 207,462. PUBLISHED MARCH 10, 1925.

198,776. FRESH CITROUS FRUITS. LAKE GARFIELD CITRUS GROWERS ASS'N., Bartow, Fla.
Filed December 26, 1924. Serial No. 207,247. PUBLISHED MARCH 17, 1925.

198,777. CORSETS AND BRASSIÈRES OF ALL KINDS. BEAUTY BRASSIERE COMPANY, Newark, N. J.
Filed December 26, 1924. Serial No. 207,220. PUBLISHED MARCH 3, 1925.

198,778. AUTOMOBILE LUBRICATING OILS. WHITE EAGLE OIL AND REFINING COMPANY, Kansas City, Mo.
Filed December 23, 1924. Serial No. 207,159. PUBLISHED MARCH 10, 1925.

198,779. LINOLEUM CEMENT. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed December 20, 1924. Serial No. 206,995. PUBLISHED MARCH 10, 1925.

198,780. CALIFORNIA WINE GRAPE PRODUCTS—NAMELY, WHITE-WINE SEASONING AND SHERRY-WINE SEASONING. CALIFORNIA WINE GRAPE PRODUCTS, INC., Reno, Nev., and Calistoga, Calif.
Filed December 20, 1924. Serial No. 206,993. PUBLISHED MARCH 10, 1925.

198,781. BOOTS AND SHOES OF LEATHER, RUBBER, FABRIC, AND COMBINATIONS. COMMONWEALTH SHOE & LEATHER COMPANY, Whitman, Mass.
Filed December 19, 1924. Serial No. 206,943. PUBLISHED MARCH 3, 1925.

198,782. REFINED, SEMIREFINED, AND UNREFINED OILS MADE FROM PETROLEUM, BOTH WITH AND WITHOUT ADMIXTURE OF ANIMAL, VEGETABLE, OR MINERAL OILS, FOR ILLUMINATING, BURNING, POWER, FUEL, AND LUBRICATING PURPOSES, AND LUBRICATING GREASES. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed December 18, 1924. Serial No. 206,927. PUBLISHED MARCH 10, 1925.

198,783. CERTAIN TOOLS AND MACHINES AND ARTICLES OF CUTLERY. OETLING GEBRUDER, Hamburg, Germany.
Filed January 4, 1924. Serial No. 190,426. PUBLISHED MARCH 10, 1925.

198,784. WRENCHES. BONNEY FORGE & TOOL WORKS, Allentown, Pa.
Filed December 28, 1923. Serial No. 190,188. PUBLISHED MARCH 10, 1925.

198,785. PICTURES, ILLUSTRATIONS, DISPLAY CARDS, AND POSTERS. THE MERIDEN GRAVURE COMPANY, Meriden, Conn.
Filed December 27, 1923. Serial No. 190,171. PUBLISHED MARCH 10, 1925.

198,786. APPARATUS COMPRISING A BLADE WITH A WEDGE FASTENED TO ONE END THEREOF, A LOOSE WEDGE TO COACT WITH THE WEDGE OF THE BLADE, AND A TAPERED PIN ADAPTED TO ENGAGE AN OPENING IN THE BLADE AND ITS WEDGE FOR SETTING THE PLANKS OF PARQUET AND OTHER FLOORING. KAZIMIERZ DOMBKOWSKI, Brooklyn, N. Y.
Filed December 21, 1923. Serial No. 189,969. PUBLISHED MARCH 10, 1925.

198,787. CERTAIN NAMED TEXTILE FABRICS. MAX KAUFMANN & Co., INC., New York, N. Y.
Filed December 8, 1923. Serial No. 189,412. PUBLISHED MARCH 3, 1925.

198,788. FURNITURE AND AUTOMOBILE POLISH. BENJAMIN T. TILTON, Winslow, Wash.
Filed October 22, 1923. Serial No. 187,357. PUBLISHED MARCH 10, 1925.

198,789. LEAD PENCILS, PASTEL CRAYONS, BLACK CHALKS, COPYING PENCILS, PENCILS WITH RUBBER, LEAD, PASTEL, AND COPYING FILLING, SLATE PENCILS, PENHOLDERS, HOLDERS FOR STYLES, PENCILS, AND CRAYONS. JOS. ILLFELDER, Furth, Germany.
Filed September 19, 1923. Serial No. 185,928. PUBLISHED MARCH 3, 1925.

198,790. HOLLOW AUGERS, SPOKESHAVES, HAND DRILLS, AND BREAST DRILLS, BENCH HOOKS, BENCH DRILLS, POLISHING AND GRINDING HEADS, MITER BOXES, AND RATCHET DRILLS, DRILL BRACES, ANGULAR BITSTOCKS, RING AUGERS, GLASS CUTTERS, MITER PLANES, AND NAIL SETS. MILLERS FALLS COMPANY, Millers Falls, Mass., and New York, N. Y.
Filed August 18, 1923. Serial No. 184,676. PUBLISHED MARCH 10, 1925.

198,791. COTTONSEED SALAD OIL, OLIVE OIL, VINEGAR, TEA, COFFEE, SPICES, CANNED CORN, EGGS, BUTTER, FLAVORING EXTRACTS FOR FOOD PURPOSES, BIRDSEED, FRUIT PRESERVES, WHEAT FLOUR, CANNED OLIVES, JELLY, CORNSTARCH, AND PEPPER. SAN FRANCISCO GROCERY CO., San Francisco, Calif.
Filed December 22, 1924. Serial No. 207,101. PUBLISHED MARCH 10, 1925.

198,792. KNIT GOODS FOR MEN, WOMEN, AND CHILDREN—NAMELY, HOSIERY, UNDERWEAR, AND SWEATERS. KNOXVILLE KNITTING MILLS CO., Knoxville, Tenn.
Filed December 11, 1924. Serial No. 206,580. PUBLISHED MARCH 10, 1925.

198,793. HAMS AND BACON. PACIFIC LAND & CATTLE CO. INC., Imperial, Calif.
Filed November 29, 1924. Serial No. 206,024. PUBLISHED MARCH 10, 1925.

198,794. NONALCOHOLIC, MALTLESS CARBONATED BEVERAGES. BIG BILL BOTTLING CO., Winston-Salem, N. C.
Filed November 1, 1924. Serial No. 204,694. PUBLISHED MARCH 17, 1925.

198,795. EVAPORATED MILK. DETROIT COMMERCE COMPANY, Detroit, Mich.
Filed October 2, 1924. Serial No. 202,301. PUBLISHED MARCH 10, 1925.

198,796. RUBBER OVERSHOES. BALTIC INDIA RUBBER COMPANY "QUADRAT," Riga, Latvia.
Filed September 8, 1924. Serial No. 202,318. PUBLISHED MARCH 10, 1925.

198,797. KNITTED UNDERGARMENTS CUT AND SEWED (MEN'S, WOMEN'S, AND CHILDREN'S), AND HOSIERY. ROWLAND W. SPAIN, doing business as Rowland Spain Co., New York, N. Y.
Filed August 7, 1924. Serial No. 201,108. PUBLISHED MARCH 10, 1925.

198,798. HOSIERY, UNDERWEAR MADE OF KNITTED AND TEXTILE FABRIC, AND SWEATERS. SIMON COHEN, Hartford, Conn.
Filed April 22, 1924. Serial No. 195,948. PUBLISHED MARCH 10, 1925.

198,799. DEODORIZING TOILET PREPARATIONS. H. K. MULFORD COMPANY, Philadelphia, Pa.
Filed March 4, 1924. Serial No. 193,237. PUBLISHED FEBRUARY 17, 1925.

198,800. WASHING POWDER. WALTER C. COOK, San Antonio, Tex.
Filed November 28, 1923. Serial No. 188,986. PUBLISHED MARCH 10, 1925.

198,801. BUFFING WHEELS. GEORGE W. KYLE & COMPANY, INC., New York, N. Y.
Filed January 8, 1924. Serial No. 190,382. PUBLISHED MARCH 10, 1925.

198,802. COFFEE AND SPICES—NAMELY, WHITE PEPPER, BLACK PEPPER, ALLSPICE, AFRICAN GINGER, CINNAMON, NUTMEG, LEAF HERBS (SAGE), PICKLING SPICE, CLOVES, AND CHILI POWDER. REID, MURDOCH & CO., Chicago, Ill.
Filed January 21, 1924. Serial No. 191,093. PUBLISHED MARCH 10, 1925.

198,803. MEDICINAL PREPARATION EXERCISING A BENEFICIAL EFFECT AS A TONIC AND SYSTEM PURIFIER. MORRIS S. SOIFER, Ambridge, Pa.
Filed January 24, 1925. Serial No. 208,620. PUBLISHED MARCH 3, 1925.

198,804. SUPPOSITORIES. PARMELE PHARMACAL COMPANY, New York, N. Y.
Filed January 24, 1925. Serial No. 208,605. PUBLISHED MARCH 3, 1925.

198,805. MEDICINES USED FOR TREATMENT OF EAR AILMENTS. DETROIT DRUG PRODUCTS CO., Detroit, Mich.
Filed January 24, 1925. Serial No. 208,575. PUBLISHED MARCH 3, 1925.

198,806. COD-LIVER OIL. ELI LILLY AND COMPANY, Indianapolis, Ind.
Filed January 23, 1925. Serial No. 208,528. PUBLISHED MARCH 3, 1925.

198,807. BASE FOR OINTMENTS. P. BEIERSDORF & CO. INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,502. PUBLISHED MARCH 3, 1925.

198,808. NAIL POLISH. TOLBAR CO., New York, N. Y.
Filed January 22, 1925. Serial No. 208,494. PUBLISHED MARCH 3, 1925.

198,809. INSECTICIDE SPRAY. THE SWEET DREAMS COMPANY, Montgomery, Ala.
Filed January 22, 1925. Serial No. 208,493. PUBLISHED MARCH 3, 1925.

198,810. CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS. ELMO, INC., Philadelphia, Pa.
Filed January 22, 1925. Serial No. 208,461. PUBLISHED MARCH 3, 1925.

198,811. HAIR TONIC. CHAS. A. WALSDORF, doing business as Charles A. Walsdorf's Pharmacy, New Orleans, La.
Filed January 21, 1925. Serial No. 208,441. PUBLISHED MARCH 3, 1925.

198,812. MEDICINAL PREPARATION FOR USE IN CONNECTION WITH KIDNEY AND ANALOGOUS COMPLAINTS. FOSTER-MILBURN CO., Buffalo, N. Y.
Filed January 21, 1925. Serial No. 208,390. PUBLISHED MARCH 3, 1925.

198,813. PREPARATION FOR RHEUMATISM, LUMBAGO, NEURITIS, SPRAINS, AND THE LIKE. LAWRENCE H. PRIEST, doing business as Broco Laboratories, Boston, Mass.
Filed January 13, 1925. Serial No. 208,065. PUBLISHED FEBRUARY 24, 1925.

198,814. REMEDY FOR CORNS, CALLI, WARTS, AND BUNIONS. JOHN H. HURD, doing business as Cornalax Remedy Co., Kansas City, Mo.
Filed January 13, 1925. Serial No. 208,051. PUBLISHED FEBRUARY 24, 1925.

198,815. PREPARATION FOR USE AS A PAIN RELIEVER. LOUISE VIRALDO, Little Rock, Ark.
Filed January 10, 1925. Serial No. 207,954. PUBLISHED FEBRUARY 24, 1925.

198,816. NONFREEZE COMPOUNDS FOR USE IN AUTOMOBILE RADIATORS. THOMAS CARLYLE MOSSMAN, Wirt, Okla.
Filed January 10, 1925. Serial No. 207,946. PUBLISHED FEBRUARY 24, 1925.

196,817. PERFUMES, TOILET WATERS, AND TOILET POWDERS. DOBBS & CO., New York, N. Y.
Filed January 9, 1925. Serial No. 207,858. PUBLISHED FEBRUARY 24, 1925.

198,818. IRON TONIC. V V V DRUG CO., New York, N. Y.
Filed January 8, 1925. Serial No. 207,838. PUBLISHED FEBRUARY 24, 1925.

198,819. NATURAL AND SYNTHETIC PRODUCTS USED FOR SCENTING PURPOSES, AND PARTICULARLY FOR SCENTING TALCUM AND FACE POWDERS, CREAMS, AND OTHER TOILET PREPARATIONS. UNGERER & COMPANY, INC., New York, N. Y.
Filed January 8, 1925. Serial No. 207,837. PUBLISHED FEBRUARY 24, 1925.

198,820. CLEANSING CREAM. SCHERING & GLATZ, INC., New York, N. Y., assignor to George C. M. Bryson, Montreal, Canada.
Filed January 8, 1925. Serial No. 207,831. PUBLISHED FEBRUARY 24, 1925.

198,821. TONIC MEDICINE FOR GENERAL DEBILITY FOLLOWING WASTING DISEASES AND FOR RHEUMATISM. MOLLIE WALKER, Allene, Ark.
Filed January 7, 1925. Serial No. 207,807. PUBLISHED MARCH 3, 1925.

198,822. GAS IN PORTABLE TANKS FOR THE PRODUCTION OF LIGHT, HEAT, AND POWER. CARBIDE & CARBON CHEMICALS CORPORATION, New York, N. Y.
Filed January 8, 1925. Serial No. 207,809. PUBLISHED FEBRUARY 24, 1925.

198,823. SALT. WITT'S MARKET HOUSE, Minneapolis, Minn.
Filed January 5, 1925. Serial No. 207,703. PUBLISHED MARCH 10, 1925.

198,824. PREPARATION FOR USE IN THE PROMOTION OF THE GROWTH OF THE HAIR. DAISY N. ROPER, Washington, D. C.
Filed January 5, 1925. Serial No. 207,687. PUBLISHED MARCH 10, 1925.

198,825. SALVE. A. R. GUARIGLIA, doing business as A. R. G. Remedy Co., Morgantown, W. Va.
Filed January 3, 1925. Serial No. 207,622. PUBLISHED MARCH 3, 1925.

198,826. SALT. INDEPENDENT SALT COMPANY, New York, N. Y.
Filed January 2, 1925. Serial No. 207,576. PUBLISHED MARCH 10, 1925.

198,827. CERTAIN TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed January 2, 1925. Serial No. 207,572. PUBLISHED MARCH 10, 1925.

198,828. FACE POWDER, TOILET CREAMS, AND EXTRACTS FOR PERFUMES. GLESSNER IMPORTATION CO., New York, N. Y.
Filed December 30, 1924. Serial No. 207,458. PUBLISHED MARCH 10, 1925.

198,829. CANDY. JULIA KING INCORPORATED, Chicago, Ill.
Filed January 31, 1925. Serial No. 208,911. PUBLISHED MARCH 17, 1925.

198,830. EMPTY CAPSULES. THE COLLAPSULE COMPANY, INC., New York, N. Y.
Filed January 29, 1925. Serial No. 208,795. PUBLISHED MARCH 17, 1925.

198,831. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif.
Filed January 28, 1925. Serial No. 208,764. PUBLISHED MARCH 17, 1925.

198,832. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif.
Filed January 28, 1925. Serial No. 208,763. PUBLISHED MARCH 17, 1925.

198,833. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. ARTHUR S. HOLDEN, doing business as Gavilan Citrus Association, Arlington, Calif.
Filed January 28, 1925. Serial No. 208,762. PUBLISHED MARCH 17, 1925.

198,834. RECEPTACLES—NAMELY, WOODEN TUBS, PAILS, AND COVERS. AMERICAN AMBI CORPORATION, New York, N. Y.
Filed January 28, 1925. Serial No. 208,734. PUBLISHED MARCH 10, 1925.

198,835. FRESH GRAPES. THE PIONEER FRUIT COMPANY, San Francisco, Calif.
Filed January 24, 1925. Serial No. 208,600. PUBLISHED MARCH 10, 1925.

198,836. LEATHER GLOVES. JAY HOWARD MINSTER, Philadelphia, Pa.
Filed January 24, 1925. Serial No. 208,600. PUBLISHED MARCH 10, 1925.

198,837. CORSETS. CAMLIN CORSET CO. INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,567. PUBLISHED MARCH 10, 1925.

198,838. PAPER DISHES. INDIANA FIBRE PRODUCTS COMPANY, Marion, Ind.
Filed January 23, 1925. Serial No. 208,520. PUBLISHED MARCH 10, 1925.

198,839. PAPER OR PAPERBOARD PLATES AND DISHES. INDIANA FIBRE PRODUCTS COMPANY, Marion, Ind.
Filed January 23, 1925. Serial No. 208,519. PUBLISHED MARCH 10, 1925.

198,840. SOAP. DANIEL F. L. BUCK, Los Angeles, Calif.
Filed January 23, 1925. Serial No. 208,506. PUBLISHED MARCH 10, 1925.

198,841. LADIES' HATS. B. G. BEHRMAN, INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,501. PUBLISHED MARCH 10, 1925.

198,842. LUBRICATING OILS AND GREASES. THE RUSSIAN OIL CO., Chicago, Ill.
Filed January 22, 1925. Serial No. 208,486. PUBLISHED MARCH 10, 1925.

198,843. LUBRICATING OILS AND GREASES. SINCLAIR REFINING COMPANY, New York, N. Y.
Filed January 22, 1925. Serial No. 208,488. PUBLISHED MARCH 10, 1925.

198,844. MEDICINE FOR USE IN THE TREATMENT OF COUGHS, COLDS, AND ASTHMA. EAGLE REMEDY COMPANY, San Antonio, Tex.
Filed January 14, 1925. Serial No. 208,096. PUBLISHED FEBRUARY 24, 1925.

198,845. SKIN OINTMENT. J. D. BURKS DRUG CO., Montgomery, Ala.
Filed January 3, 1925. Serial No. 207,613. PUBLISHED FEBRUARY 24, 1925.

198,846. CHEMICAL PREPARATION FOR GLAZING FURS AND SKINS. GLAZOLINE DYE & CHEMICAL CO., INC., New York, N. Y.
Filed January 3, 1925. Serial No. 207,620. PUBLISHED FEBRUARY 24, 1925.

198,847. SALT BLOCK SULPHUR. STAUFFER CHEMICAL COMPANY OF TEXAS, Houston, Tex.
Filed January 3, 1925. Serial No. 207,632. PUBLISHED FEBRUARY 24, 1925.

198,848. INSECTICIDES. MCCORMICK & CO., INCORPORATED, Baltimore, Md.
Filed January 5, 1925. Serial No. 207,667. PUBLISHED FEBRUARY 24, 1925.

198,849. INSECTICIDES. GEORGE W. GRING, Berkeley, Calif.
Filed January 5, 1925. Serial No. 207,673. PUBLISHED FEBRUARY 24, 1925.

198,850. COLORINGS FOR FOOD. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,684. PUBLISHED FEBRUARY 24, 1925.

198,851. FOOD COLORINGS. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed January 5, 1925. Serial No. 207,685. PUBLISHED FEBRUARY 24, 1925.

198,852. LINIMENT. MARTIN L. WILLIAMS, doing business as Phuton Remedy Co., Arkansas City, Kans.
Filed January 5, 1925. Serial No. 207,702. PUBLISHED FEBRUARY 24, 1925.

198,853. ANTISEPTIC AND DEODORANT COMPOUND. VIRGINIA DARE EXTRACT COMPANY, INC., Brooklyn, N. Y.
Filed January 7, 1925. Serial No. 207,781. PUBLISHED FEBRUARY 24, 1925.

198,854. FOOD COLORS. CHR. HANSEN'S LABORATORY, INC., Little Falls, N. Y.
Filed January 7, 1925. Serial No. 207,785. PUBLISHED FEBRUARY 24, 1925.

198,855. COMPOSITIONS FOR INCORPORATION WITH PAINTS, PLASTERS, AND CONCRETE MIXES FOR RENDERING THE SAME IMPENETRABLE TO X-RAYS. TOCH BROTHERS, INCORPORATED, New York, N. Y.
Filed January 7, 1925. Serial No. 207,804. PUBLISHED FEBRUARY 24, 1925.

198,856. BLEACHING COMPOUND. MARGARET C. ARNOLD, Los Angeles, Calif.
Filed January 9, 1925. Serial No. 207,845. PUBLISHED FEBRUARY 24, 1925.

198,857. ALMOND CREAM, COLD CREAM, ICE ASTRINGENT, AND SKIN CLEANSER, WHICH ARE FACIAL CREAMS. FRANK L. ZIMMERMANN, Chicago, Ill.
Filed January 2, 1925. Serial No. 207,606. PUBLISHED FEBRUARY 24, 1925.

198,858. CERTAIN TOILET PREPARATIONS. KLEBLATT BARBERS' SUPPLY CO., Sioux City, Iowa.
Filed November 3, 1924. Serial No. 204,775. PUBLISHED FEBRUARY 24, 1925.

198,859. CERTAIN TOILET PREPARATIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed November 3, 1924. Serial No. 204,798. PUBLISHED FEBRUARY 24, 1925.

198,860. CERTAIN TOILET PREPARATIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed November 3, 1924. Serial No. 204,790. PUBLISHED FEBRUARY 24, 1925.

198,861. DENTAL PASTE. 5 POINT PRODUCTS INC., San Francisco, Calif.
Filed November 18, 1924. Serial No. 205,206. PUBLISHED FEBRUARY 24, 1925.

198,862. DRIED RAISINS. AMERICAN SEEDLESS RAISIN COMPANY, San Francisco, Fresno, and Del Rey, Calif.
Filed November 14, 1924. Serial No. 205,257. PUBLISHED MARCH 17, 1925.

198,863. SHAMPOO. GEORGIANNA JEWELL, Webster, Mass.
Filed November 17, 1924. Serial No. 205,420. PUBLISHED FEBRUARY 17, 1925.

198,864. PREPARATION FOR CURLING AND WAVING THE HAIR. HOWARD F. LARKIN, Davenport, Iowa.
Filed November 17, 1924. Serial No. 205,424. PUBLISHED FEBRUARY 17, 1925.

198,865. SEMIPLASTIC PREPARATION FOR TREATMENT OF THE SKIN. LOLA A. CASNATI, New York, N. Y.
Filed November 28, 1924. Serial No. 205,906. PUBLISHED FEBRUARY 17, 1925.

198,866. CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS. LOLA A. CASNATI, New York, N. Y.
Filed November 28, 1924. Serial No. 205,907. PUBLISHED FEBRUARY 17, 1925.

198,867. COFFEE. LUIS GERMAN MARTINEZ, New York, N. Y.
Filed November 29, 1924. Serial No. 206,018. PUBLISHED FEBRUARY 10, 1925.

198,868. CERTAIN TOILET PREPARATIONS. EARL D. WOLF, doing business as Beaute Dear Company, San Francisco, Calif.
Filed November 29, 1924. Serial No. 206,046. PUBLISHED FEBRUARY 24, 1925.

198,869. CERTAIN MEDICINAL COMPOUND. LOUIS KAHLENBERG, doing business as The Kahlenberg-Klaus Company, Two Rivers, Wis.
Filed December 5, 1924. Serial No. 206,313. PUBLISHED FEBRUARY 24, 1925.

198,870. ANTISEPTIC ADHESIVES. LOUIS IRVING WEINER, doing business as Tablax Company, New York, N. Y.
Filed December 13, 1924. Serial No. 206,705. PUBLISHED FEBRUARY 24, 1925.

198,871. NEUTRAL PHOSPHATES OF MAGNESIUM AND CALCIUM. LEHN & FINK, INC., New York, N. Y.
Filed December 16, 1924. Serial No. 206,788. PUBLISHED FEBRUARY 17, 1925.

198,872. PREPARATIONS FOR CONDITIONS PECULIAR TO WOMEN. DRUG STORE PRODUCTS, Toledo, Ohio.
Filed December 17, 1924. Serial No. 206,829. PUBLISHED FEBRUARY 24, 1925.

198,873. PERFUMERY. TIFFIN, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,931. PUBLISHED FEBRUARY 24, 1925.

198,874. COFFEE. MCCORD-STEWART CO., Atlanta, Ga.
Filed December 22, 1924. Serial No. 207,089. PUBLISHED MARCH 17, 1925.

198,875. POWDERS FOR HEADACHES AND CONSTIPATION. ALBRIGHT PHARMACEUTICAL LABORATORIES, Newark, N. J.
Filed December 31, 1924. Serial No. 207,485. PUBLISHED FEBRUARY 24, 1925.

198,876. SALT. INDEPENDENT SALT COMPANY, New York, N. Y.
Filed January 2, 1925. Serial No. 207,577. PUBLISHED FEBRUARY 24, 1925.

198,877. SCALP AND HAIR SHAMPOO. GEORGIA GEORGE BEAUTY PRODUCTS, INC., San Francisco, Calif.
Filed December 30, 1924. Serial No. 207,457. PUBLISHED MARCH 3, 1925.

198,878. GENERAL TONIC. CALIFORNIA WINE GRAPE PRODUCTS, INC., Reno, Nev., and Calistoga, Calif.
Filed December 20, 1924. Serial No. 206,994. PUBLISHED MARCH 3, 1925.

198,879. TOCOLOGICAL MEDICINES. Dr. NICANOR BOLET, INC., New York, N. Y.
Filed December 19, 1924. Serial No. 206,937. PUBLISHED MARCH 3, 1925.

198,880. DYES, DYESTUFFS, STAINS, AND COLORING MATTER. DY-O-LA DYE COMPANY, Burlington, Vt.
Filed December 18, 1924. Serial No. 206,887. PUBLISHED MARCH 10, 1925.

198,881. INSECTICIDES, DISINFECTANTS, DEODORIZERS, AND CLEANSERS. BONO, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,876. PUBLISHED MARCH 10, 1925.

198,882. LIQUID SKIN BLEACH. B. WARD SPECIALTY COMPANY, Cincinnati, Ohio.
Filed December 17, 1924. Serial No. 206,870. PUBLISHED MARCH 3, 1925.

198,883. MINERAL FEED USED AS A TONIC FOR DAIRY CATTLE. MOORMAN MFG. CO., Quincy, Ill.
Filed December 15, 1924. Serial No. 206,741. PUBLISHED MARCH 3, 1925.

198,884. MEDICINAL PREPARATION RECOMMENDED FOR COUGHS, COLDS, WHOOPING COUGH, SORE THROAT, AND LA GRIPPE. HENRY FREDERICK BADES, New Albany, Ind.
Filed December 13, 1924. Serial No. 206,651. PUBLISHED MARCH 10, 1925.

198,885. HAIRDRESSING. THE JOHN P. DE MAY CO., Brooklyn, N. Y.
Filed December 10, 1924. Serial No. 206,515. PUBLISHED MARCH 3, 1925.

198,886. LAXATIVE. WAKEWELL PRODUCTS COMPANY, INCORPORATED, New York, N. Y.
Filed December 5, 1924. Serial No. 206,334. PUBLISHED MARCH 10, 1925.

198,887. GENERAL TONIC. EDGAR S. GEBHART, doing business as Redfern Medicine Company, Dayton, Ohio.
Filed December 5, 1924. Serial No. 206,289. PUBLISHED MARCH 3, 1925.

198,888. BLEACHING POWDER FOR REMOVING COLOR FROM WOOL, SILK, OR COTTON FABRICS. MONROE DRUG COMPANY, Quincy, Ill.
Filed November 29, 1924. Serial No. 206,020. PUBLISHED MARCH 3, 1925.

198,889. TALCUM POWDER, SACHET POWDER, FACE POWDER, PERFUMES, LIP ROUGE, POWDER COMPACTS AND ROUGE COMPACTS, AND BATH SALTS. MAISON MENDESSOLLE, San Francisco, Calif.
Filed November 26, 1924. Serial No. 205,884. PUBLISHED MARCH 10, 1925.

198,890. PREPARATION FOR THE TREATMENT OF COLDS, CONSTIPATION, COUGHS, SORE THROATS, INDIGESTION, BILIOUSNESS, AND KINDRED DISEASES. HOUCHENS MEDICINE CO., Baltimore, Md.
Filed November 24, 1924. Serial No. 205,755. PUBLISHED MARCH 3, 1925.

198,891. CHEMICAL VAPORIZING FUMIGATORS AND LIQUID INSECTICIDES. G. H. RICHARDS LIMITED, London, England.
Filed November 12, 1924. Serial No. 205,175. PUBLISHED FEBRUARY 24, 1925.

198,892. CHEMICAL PRODUCTS FOR PHOTOGRAPHIC AND PHOTOMECHANIC PURPOSES. POLYGRAPHISCHE GESELLSCHAFT, Laupen, near Berne, Switzerland.
Filed November 11, 1924. Serial No. 205,135. PUBLISHED FEBRUARY 24, 1925.

198,893. MEDICINAL REMEDY FOR PILES, BOILS, SORES, AND ANALOGOUS AILMENTS. WILLIE L. HEATH, Greensboro, N. C.
Filed November 10, 1924. Serial No. 205,064. PUBLISHED FEBRUARY 24, 1925.

198,894. MEDICINE FOR DROPSY. WILLIAM J. J. ROSS, Chunky, Miss.
Filed November 8, 1924. Serial No. 205,032. PUBLISHED FEBRUARY 24, 1925.

198,895. LAXATIVE CONFECTION. JOSEPH GOODMAN, New York, N. Y.
Filed November 8, 1924. Serial No. 205,006. PUBLISHED FEBRUARY 24, 1925.

198,896. PREPARATION FOR HYPERTENSION, ARTERIOSCLEROSIS, CORONARY SCLEROSIS, ANGINA PECTORIS, DYSBASIA INTERMITTENS, NEPHRITIS, NEPHROSCLEROSIS, GOUTY KIDNEY, AND MYODEGENERATIO CORDIS. E. TOSSE & CO., INC., New York, N. Y.
Filed October 28, 1924. Serial No. 204,530. PUBLISHED FEBRUARY 24, 1925.

198,897. INSECT POWDER. L. PERRIGO COMPANY, Allegan, Mich.
Filed February 20, 1922. Serial No. 159,612. PUBLISHED FEBRUARY 24, 1925.

198,898. LEATHER SHOES, FABRIC SHOES, AND SHOES OF LEATHER AND FABRIC. THE GENUINE DR. PILLER'S SHOE COMPANY, INC., New York, N. Y.
Filed February 19, 1923. Serial No. 176,270. PUBLISHED MARCH 10, 1925.

198,899. PALLIATIVE FOR CORNS AND CALLOUSES. DAVID APPEL, doing business as PYTOX Chemical Co., Chicago, Ill.
Filed September 22, 1923. Serial No. 186,042. PUBLISHED FEBRUARY 17, 1925.

198,900. PERFUME, TOILET WATER, AND FACE POWDER. FREDERICK STEARNS & COMPANY, Detroit, Mich.
Filed December 8, 1923. Serial No. 189,430. PUBLISHED FEBRUARY 17, 1925.

198,901. FACE POWDER, ROUGE, AND NAIL POLISH. INNOVATION SPECIALTIES CO., INC., Chicago, Ill.
Filed December 20, 1923. Serial No. 189,930. PUBLISHED FEBRUARY 17, 1925.

198,902. SEALING MATERIAL FOR STOPPING LEAKS IN LIQUID CONTAINERS AND CONDUITS. WARNER-PATTERSON COMPANY, Chicago, Ill.
Filed December 24, 1923. Serial No. 190,071. PUBLISHED FEBRUARY 17, 1925.

198,903. TOOTH PASTE, TOOTH POWDERS, AND MOUTH WASHES. THE LUFRIE CO. INC., New York, N. Y.
Filed February 5, 1924. Serial No. 191,885. PUBLISHED FEBRUARY 24, 1925.

198,904. ICE-CREAM CONES. BESSIRE & COMPANY, Indianapolis, Ind.
Filed February 23, 1924. Serial No. 192,664. PUBLISHED APRIL 29, 1924.

198,905. PREPARATION FOR LUMBAGO, ARTICULAR, MUSCULAR, SCIATIC, AND GOUTY RHEUMATISM. CHAS. R. FARRIS, Colorado, Tex.
Filed March 3, 1924. Serial No. 193,162. PUBLISHED FEBRUARY 17, 1925.

198,906. FRESH APRICOTS, FIGS, PEARS, CHERRIES, PLUMS, PEACHES, AND NUTS—NAMELY, ALMONDS AND WALNUTS IN THEIR NATURAL STATE. C. R. VAN BUSKIRK, doing business as Sun Flame Fruit Farms, Lodi, Calif.
Filed March 28, 1924. Serial No. 194,633. PUBLISHED MARCH 10, 1925.

198,907. FRESH GRAPES, FRESH PLUMS, AND FRESH PEACHES. B. F. LIST, Exeter, Calif.
Filed April 3, 1924. Serial No. 194,929. PUBLISHED FEBRUARY 10, 1925.

198,908. PAPER NAPKINS AND TOILET PAPER. THE A. B. C. STORES, INCORPORATED, Houston, Galveston, and Beaumont, Tex.
Filed April 29, 1924. Serial No. 196,282. PUBLISHED NOVEMBER 18, 1924.

198,909. INSECTICIDE. ANDREW WILSON, INCORPORATED, Springfield, N. J.
Filed July 1, 1924. Serial No. 199,446. PUBLISHED FEBRUARY 24, 1925.

198,910. REMEDY FOR PILES OR HEMORRHOIDS. CHARLES DURANT, Spokane, Wash.
Filed August 18, 1924. Serial No. 201,548. PUBLISHED FEBRUARY 24, 1925.

198,911. BATH CRYSTALS. MARSHALL FIELD & COMPANY, doing business as Lanchere, Chicago, Ill.
Filed September 15, 1924. Serial No. 202,619. PUBLISHED FEBRUARY 17, 1925.

198,912. CAUTERIZING PREPARATION FOR USE BY DENTISTS. SCHWEIZ. SERUM- & IMPFINSTITUTE BERN, Berne, Switzerland.
Filed September 25, 1924. Serial No. 203,055. PUBLISHED FEBRUARY 17, 1925.

198,913. HAIR-WAVING FLUID. DOROTHY M. CHERRY, St. Paul, Minn.
Filed October 9, 1924. Serial No. 203,618. PUBLISHED FEBRUARY 17, 1925.

198,914. FOOT CREAM. GEORGE M. GOODSPEED, doing business as Twin City Laboratories, Minneapolis, Minn.
Filed October 10, 1924. Serial No. 203,675. PUBLISHED FEBRUARY 24, 1925.

198,915. EXTERMINATOR FOR BOLL WEEVILS, ARMY WORMS, POTATO BUGS, GRASSHOPPERS, RED SPIDERS, AND INSECTS. WILL STRALL, Townly, Ala.
Filed October 31, 1924. Serial No. 204,682. PUBLISHED FEBRUARY 24, 1925.

198,916. TONIC TABLETS, CONTRA-DOLOR TABLETS, AND LAXATIVE TABLETS. MAX E. BACON, doing business as Ferretone Co., Deerfield, Kans.
Filed November 3, 1924. Serial No. 204,742. PUBLISHED FEBRUARY 24, 1925.

198,917. COATING COMPOUND FOR INCREASING THE WEARING PROPERTIES OF FABRICS, PARTICULARLY HOSIERY. GEORGIA C. TAYLOR, Charlotte, N. C.
Filed July 21, 1923. Serial No. 183,543. PUBLISHED MARCH 25, 1924.

198,918. FUR COATS, FUR WRAPS, FUR BOAS, FUR DOLMANS, FUR MUFFS, AND FUR SCARFS. J. ECKSTEIN'S SONS, INC., New York, N. Y.
Filed May 23, 1923. Serial No. 181,016. PUBLISHED MARCH 10, 1925.

198,919. SMOKED FISH. E. S. WILLIAMSON, Philadelphia, Pa.
Filed March 23, 1923. Serial No. 177,943. PUBLISHED MARCH 10, 1925.

198,920. SLEDGE HAMMERS, STONE POINTS, CHISELS, HAMMERS, AND STONE WEDGES. JOSEPH KORMOS, Frankfort, Ky.
Filed December 22, 1922. Serial No. 173,712. PUBLISHED MARCH 10, 1925.

198,921. BAKING JAPANS, VARNISHES, AND PAINT ENAMELS. OXFORD VARNISH CORPORATION, Detroit, Mich.
Filed December 14, 1922. Serial No. 173,335. PUBLISHED MARCH 10, 1925.

198,922. FLAVORING EXTRACTS FOR FOODS. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,767. PUBLISHED MARCH 10, 1925.

198,923. FLAVORING EXTRACTS FOR FOODS. PRICE FLAVORING EXTRACT COMPANY, Chicago, Ill.
Filed December 1, 1922. Serial No. 172,766. PUBLISHED MARCH 10, 1925.

198,924. FRESH VEGETABLES. BUFFALO VEGETABLE MARKETING CO., Buffalo, N. Y.
Filed November 13, 1922. Serial No. 171,899. PUBLISHED MARCH 10, 1925.

198,925. CARBURETORS, FUEL PUMPS, LUBRICATORS, AND OIL PUMPS AND PARTS THEREOF—NAMELY, NONRETURN VALVES, DROP INDICATORS, DIRECTION INDICATORS, ADJUSTABLE WRENCHES, AND DRILLING TOOLS AND PARTS THEREOF. ROBERT BOSCH AKTIENGESELLSCHAFT, Stuttgart, Germany.
Filed October 6, 1922. Serial No. 170,366. PUBLISHED AUGUST 22, 1922.

198,926. BLUING. JASMINE INK CORPORATION, Norfolk, Va.
Filed April 29, 1922. Serial No. 163,089. PUBLISHED AUGUST 22, 1922.

198,927. MEN'S, WOMEN'S, AND CHILDREN'S HATS AND CAPS MADE WHOLLY OR IN PART OF TEXTILE, FELT, OR FABRIC. BURDITT-MACGREGOR CORPORATION, Boston, Mass.
Filed February 18, 1922. Serial No. 159,493. PUBLISHED MARCH 3, 1925.

198,928. SHOES MADE OF LEATHER AND FABRIC OR A COMBINATION OF LEATHER AND FABRIC. THE EUREKA SHOE MFG. CO. INC., New York, N. Y.
Filed August 8, 1921. Serial No. 151,537. PUBLISHED MARCH 10, 1925.

198,929. REMEDY IN LIQUID FORM FOR ALL THE MALADIES OF THE RESPIRATORY TRACT, ESPECIALLY COLDS, ASTHMA, SPASMODICS, EMPHYSEMA, AND ALSO FOR VETERINARY USES IN RESPIRATORY, CIRCULATORY, AND DIGESTIVE DISEASES IN ANIMALS. MARIE CHABONAT, Paris, France.
Filed October 28, 1924. Serial No. 204,499. PUBLISHED FEBRUARY 24, 1925.

198,930. REMEDY IN PILL, GRANULE, TABLET, AND AMPUL FORM FOR AFFECTIONS OF THE RESPIRATORY TRACT, FOR GRIPPE, WHOOPING COUGH, VASOMOTOR TROUBLES, SKIN AFFECTIONS, DIGESTIVE TROUBLES: FOR DISEASES OF THE RESPIRATORY, GLANDULAR, DIGESTIVE, AND CIRCULATORY SYSTEMS; ALSO FOR VETERINARY USES IN RESPIRATORY, CIRCULATORY, AND DIGESTIVE DISEASES IN ANIMALS. MARIE CHABONAT, Paris, France.
Filed October 28, 1924. Serial No. 204,498. PUBLISHED FEBRUARY 24, 1925.

198,931. MOUTH WASH. JACQUES ROMANO, doing business as American Avator Company, Inc., New York, N. Y.
Filed October 23, 1924. Serial No. 204,331. PUBLISHED MARCH 10, 1925.

198,932. SYRINGES FOR INJECTING FLUID INTO THE GROUND FOR EXTERMINATING INSECTS, MOLES, AND THE LIKE. DEUTSCHE GOLD- UND SILBER-SCHEIDEANSTALT VORMALS ROESSLER, Frankfort-on-the-Main, Germany.
Filed October 21, 1924. Serial No. 204,226. PUBLISHED MARCH 10, 1925.

198,933. MEDICINES FOR DISEASES OF THE KIDNEY AND BLADDER, AND RHEUMATISM. FAHSLER MANUFACTURING COMPANY, Marion, Ind.
Filed October 16, 1924. Serial No. 203,945. PUBLISHED MARCH 10, 1925.

198,934. HAIR GROWER AND TREATMENT FOR DANDRUFF UPON THE SCALP. FANNIE PRESSERY, Philadelphia, Pa.
Filed October 11, 1924. Serial No. 203,746. PUBLISHED MARCH 3, 1925.

198,935. ANÆSTHETICS. STRATFORD-COOKSON COMPANY, Philadelphia, Pa.
Filed September 23, 1924. Serial No. 202,960. PUBLISHED MARCH 3, 1925.

198,936. RADIOACTIVE PREPARATIONS COMPRISING ARTIFICIALLY-COMPOUNDED RADIOACTIVE WATER, MEDICINAL WATERS, AND COSMETIC ARTICLES—NAMELY, PERFUMES. OLE CHRISTIAN FREDERIKSEN, Copenhagen, Denmark.
Filed September 23, 1924. Serial No. 202,938. PUBLISHED FEBRUARY 24, 1925.

198,937. LIQUID FACE PACK. BLANCHE K. HARTZELL, doing business as Re Nu Laboratories, Youngstown, Ohio.
Filed August 28, 1924. Serial No. 201,956. PUBLISHED MARCH 10, 1925.

198,938. FOOD COLORS. WM. J. STANGE CO., Chicago, Ill.
Filed August 23, 1924. Serial No. 201,821. PUBLISHED MARCH 3, 1925.

198,939. RECONSTRUCTIVE TONIC. N-ER-G CHEMICAL CO., New York, N. Y.
Filed August 6, 1924. Serial No. 201,043. PUBLISHED MARCH 10, 1925.

198,940. PREPARATION FOR THE TREATMENT OF THYROID INTOXICATION. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 16, 1924. Serial No. 198,670. PUBLISHED MARCH 10, 1925.

198,941. A SEDATIVE. PARKE, DAVIS & COMPANY, Detroit, Mich.
Filed June 16, 1924. Serial No. 198,669. PUBLISHED MARCH 10, 1925.

198,942. PERFUME. FLOSSY DENTAL MFG. CO., Evanston, Ill.
Filed January 10, 1924. Serial No. 190,635. PUBLISHED FEBRUARY 24, 1925.

198,943. SALVE. DEMETRIOU AND DEMETRIOU, doing business as M. McDonald & Company, Detroit, Mich.
Filed January 9, 1924. Serial No. 190,578. PUBLISHED MARCH 10, 1925.

198,944. CERTAIN NAMED KNITTED FABRICS. ARTSILK KNITTING MILLS, West New York, N. J.
Filed December 6, 1923. Serial No. 189,296. PUBLISHED MARCH 3, 1925.

198,945. MEDICINAL SALVE. CAMAFFINE LABORATORIES, Williamsburg, Pa.
Filed November 17, 1923. Serial No. 188,470. PUBLISHED MARCH 3, 1925.

198,946. PREPARATION FOR PYORRHEA. TUBERSUM PYORRHEA CO., Broken Bow, Okla.
Filed October 15, 1923. Serial No. 187,029. PUBLISHED FEBRUARY 24, 1925.

198,947. LAXATIVES. FRITZ AUFRICHTIG, doing business as Feelokay Co., Brooklyn, N. Y.
Filed August 30, 1923. Serial No. 185,171. PUBLISHED MARCH 3, 1925.

198,948. METABOLIC FOOD. JOHN E. JOHNSON, doing business as Lectyn Products Co., Chicago, Ill.
Filed May 3, 1923. Serial No. 180,129. PUBLISHED MARCH 10, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

198,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KELLOGG COMPANY, Battle Creek, Mich.
Filed Feb. 27, 1924. Serial No. 192,918.

Kellogg's
BRAN

Particular description of goods.—Bran in Edible Form.
Claims use since about Oct. 16, 1916.

198,950. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN THERMO-WARE COMPANY, New York, N. Y.
Filed Apr. 5, 1924. Serial No. 196,039.

Pilz

Particular description of goods.—Anatomical Manikins, These Being Charts.
Claims use since about Jan. 1, 1902.

198,951. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WESTERN UNION MACARONI MANUFACTURING CO., Denver, Colo. Filed June 16, 1923. Serial No. 182,122.

NAPOLI BRAND

Particular description of goods.—Macaroni.
Claims use since Mar. 1, 1919.

198,952. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) COHN HALL MARX CO., New York, N. Y. Filed Oct. 2, 1923. Serial No. 186,465.

COLOR PROCESS
GUARANTEED FAST COLOR

Particular description of goods.—Cotton Piece Goods.
Claims use since Sept. 20, 1923.

198,953. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHESTER O. PADELFORD, doing business as The Vendre Company, Newark, N. J.
Filed Jan. 7, 1924. Serial No. 190,515.

TRI-LYPOL

Particular description of goods.—Shaving Creams.
Claims use since Jan. 5, 1924.

198,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANAHEIM BEEF COMPANY, Anaheim, Calif. Filed May 10, 1924. Serial No. 196,845.

Krispy Krust

Particular description of goods.—Shortening Made of Vegetable and Animal Oils and Fats.
Claims use since Mar. 19, 1924.

198,955. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PAUL J. HANFT, New Athens, Ill. Filed July 11, 1924. Serial No. 199,885.

EXCEL
HEN FEED

Particular description of goods.—Poultry Feed.
Claims use since Jan. 1, 1924.

198,956. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JUNIOR WHEEL GOODS CO., Los Angeles, Calif. Filed July 14, 1924. Serial No. 199,994.

BRAKE SCOOTER

Particular description of goods.—A Wheeled Toy of the Type Known as Scooter.
Claims use since Apr. 1, 1924.

198,957. (CLASS 32. FURNITURE AND UPHOLSTERY.) C. H. HARTSHORN, INC., Gardner, Mass. Filed Oct. 1, 1924. Serial No. 203,271.

FIB-R-WEVE

Particular description of goods.—Living-Room Suites Comprising Tables, Chairs, Couches, Settees, and Day Beds.
Claims use since Jan. 1, 1921.

198,958. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRIETTE E. CUSHMAN, Bozeman, Mont. Filed Jan. 9, 1925. Serial No. 207,853.

MONTANA EXTRA SELECT

Particular description of goods.—Eggs.
Claims use since March, 1924.

198,959. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE COLUMBIA MILLS, INCORPORATED, New York, N. Y. Filed Jan. 17, 1925. Serial No. 208,224.

Used Everywhere in Beautiful Homes

Particular description of goods.—Window-Shade Rollers.
Claims use since Oct. 26, 1923.

198,960. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VITAMIN CO., Logan, Utah. Filed Jan. 20, 1925. Serial No. 208,367.

"MILKMAKER"

Particular description of goods.—Mixed Dairy Feed.
Claims use since Jan. 11, 1923.

198,961. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIERRA FOOD COMPANY, Los Angeles, Calif. Filed Feb. 12, 1925. Serial No. 209,503.

BITEY

Particular description of goods.—Cheese.
Claims use since Sept. 21, 1921.

198,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREMONT PACKING COMPANY, Fremont, Nebr. Filed Feb. 25, 1925. Serial No. 210,118.

EVERGOOD

Particular description of goods.—Dressed Poultry.
Claims use since September, 1923.

198,963. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEPTUNE SEA FOOD COMPANY, San Diego, Calif. Filed Mar. 2, 1925. Serial No. 210,399.

CORDOVA

Particular description of goods.—Canned Fish.
Claims use since Mar. 15, 1918.

198,964. (CLASS 15. OILS AND GREASES.) ILLINOIS OIL COMPANY, Rock Island, Ill. Mar. 7, 1925. Serial No. 210,664.

GOLDEN AUTO OIL

Particular description of goods.—Lubricating Oils.
Claims use since Mar. 1, 1917.

198,965. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARTER-MAYHEW MANUFACTURING COMPANY, Minneapolis, Minn. Filed Mar. 9, 1925. Serial No. 210,710.

CARTER

Particular description of goods.—Grain Separating and Cleaning Machines and Automatic Weighing Feeders.
Claims use since Jan. 1, 1920.

TRADE-MARK REGISTRATIONS RENEWED

26,482. TOILET PINS. Registered April 23, 1895. JEWELL PIN CO., Hartford, Conn. Renewed April 23, 1925, to The National Pin Company, Derby, Conn., a Corporation of Connecticut, successor.

44,419. A MEDICAL PREPARATION POSSESSING CURATIVE PROPERTIES AND BEING A CURATIVE REMEDY FOR INJURIES AND ACUTE AND CHRONIC INFLAMMATORY AFFECTIONS. Registered July 4, 1905. THE DENVER CHEMICAL M'F'G. CO., Denver, Colo., a Corporation of Colorado. Renewed July 4, 1925.

44,629. CARRIAGE-TRIMMING HARDWARE. Registered July 18, 1905. CRANDAL, STONE & CO., Binghamton, N. Y. Renewed July 18, 1925, to The Brewer-Titchener Corporation, Cortland, N. Y., a Corporation of New York, successors.

44,714. FACE POWDER. Registered July 18, 1905. BENJAMIN LÉVY. Renewed July 18, 1925, to Ben. Lévy Company, Boston, Mass., a Corporation of Massachusetts, assignee.

44,843. SHEETINGS AND DRILLS. Registered July 25, 1905. PELZER M'F'G CO., Pelzer, S. C. Renewed July 25, 1925, to Pelzer Manufacturing Company, Boston, Mass., a Corporation of Massachusetts, assignee.

45,074. NAILS, TACKS, AND THUMB TACKS. Registered August 8, 1905. THE BERBECKER & ROWLAND MFG. CO., Waterville, Conn., a Corporation of Connecticut. Renewed August 8, 1925.

46,134. PERIODICALS. Registered September 5, 1905. ORANGE JUDD COMPANY. Renewed September 5, 1925, to American Agriculturist, Inc., New York, N. Y., a Corporation of New York, assignee.

46,198. COFFEE. Registered September 12, 1905. NASH-SMITH TEA & COFFEE COMPANY, Denver, Colo. Renewed September 12, 1925, to Nash-Smith Tea and Coffee Company, St. Louis, Mo., and Denver, Colo., a Corporation of Missouri.

46,216. PERFUMERY. Registered September 12, 1905. F. HOYT & COMPANY, LIMITED. Renewed September 12, 1925, to F. Hoyt & Co., Philadelphia, Pa., successor.

46,237. A PROPRIETARY REMEDY. Registered September 12, 1905. FINLAY DICKS & CO., LTD. Renewed September 12, 1925, to F. A. Dicks & Company, Inc., New Orleans, La., a Corporation of Louisiana, assignee.

46,372. FRUITS AND VEGETABLES. Registered September 12, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed September 12, 1925.

46,373. FRUITS OR VEGETABLES. Registered September 12, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed September 12, 1925.

46,374. CANNED AND PRESERVED FRUITS AND VEGETABLES. Registered September 12, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed September 12, 1925.

46,375. FRUITS OR VEGETABLES IN TINS OR GLASS. Registered September 12, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed September 12, 1925.

46,376. FRUITS AND VEGETABLES, AND FRUITS AND VEGETABLE PRESERVES AND JELLIES. Registered September 12, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed September 12, 1925.

46,705. SPICES. Registered October 3, 1905. GRAND UNION TEA CO., Brooklyn, N. Y., a Corporation of New Jersey. Renewed October 3, 1925.

46,718. SHEETINGS AND DRILLINGS. Registered October 3, 1905. PIEDMONT MFG. CO., Piedmont, S. C., a Corporation of South Carolina. Renewed October 3, 1925.

46,762. TOILET PAPERS. Registered October 10, 1905. ALBANY PERFORATED WRAPPING PAPER CO., Albany, N. Y., a Corporation of New York. Renewed October 10, 1925.

46,767. ANTIFRICTION OR BABBITT METAL. Registered October 10, 1905. FINDLAY & BATTLE, New York, N. Y.; Richmond, Va.; London, England; Paris, France; and Montreal, Canada. Renewed October 10, 1925, to Glacier Metal Company, Richmond, Va., a Corporation of New York, successor.

46,782. COTTON SHEETINGS AND DRILLINGS. Registered October 10, 1905. BRANDON MILLS, Greenville, S. C., a Corporation of South Carolina. Renewed October 10, 1925.

46,832. TEAS. Registered October 10, 1905. GRAND UNION TEA CO., Brooklyn, N. Y., a Corporation of New Jersey. Renewed October 10, 1925.

46,833. COFFEE. Registered October 10, 1905. GRAND UNION TEA CO., Brooklyn, N. Y., a Corporation of New Jersey. Renewed October 10, 1925.

46,848. CANNED FRUITS AND VEGETABLES. Registered October 10, 1905. CHARLES E. MOODY & CO. Renewed October 10, 1925, to Charles E. Moody & Co. Inc., Boston, Mass., a Corporation of Massachusetts, successor.

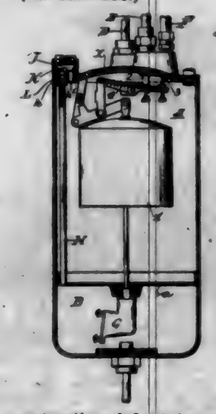
46,930. TOILET CREAM. Registered October 17, 1905. THE ARTESIA CREAM COMPANY, Waco, Tex., a Corporation of Texas. Renewed October 17, 1925.

47,072. PIANOS. Registered October 24, 1905. HAMILTON ORGAN COMPANY, Chicago Heights, Ill. Renewed October 24, 1925, to The Baldwin Company, Cincinnati, Ohio, a Corporation of Ohio, assignee.

REISSUES

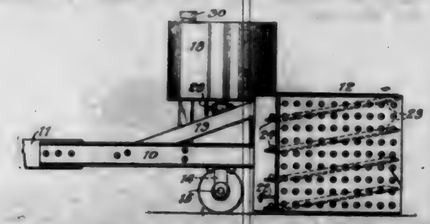
MAY 26, 1925.

16,080. VACUUM FUEL FEEDING DEVICE FOR INTERNAL-COMBUSTION ENGINES AND THE LIKE. CHARLES E. BURTON, Oak Park, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed Feb. 26, 1925. Serial No. 11,891. Original No. 1,432,381, dated Oct. 17, 1922, Serial No. 545,657, filed Mar. 22, 1922. 8 Claims. (Cl. 103—236.)



3. In the construction defined in claim 1, foregoing, an air inlet passage to the delivery chamber leading into said additional or second mentioned passage between said valve device and said delivery chamber, and a one-way seating valve in said air inlet passage opening inward and seating against outward movement through said air inlet passage.

16,081. SNOW MELTER AND PLOW. FRANK A. CONNOLLY, Pompton Lakes, N. J. Filed Apr. 8, 1925. Serial No. 21,723. Original No. 1,526,903, dated Feb. 17, 1925. Serial No. 725,591, filed July 12, 1924. 14 Claims. (Cl. 37—12.)



2. In a machine of the character described, a plow head comprising a receptacle and a plate forming the front wall of the receptacle, said plate being formed with ports for the admission of snow into the receptacle, said receptacle being formed with lateral ports for the discharge of snow.

5. In a machine of the character described, a plow head comprising a fire box having heat generating means therein, and a plate forming the front wall of the plow head, the plate being formed with ports for the admission of snow to the heat generating means.

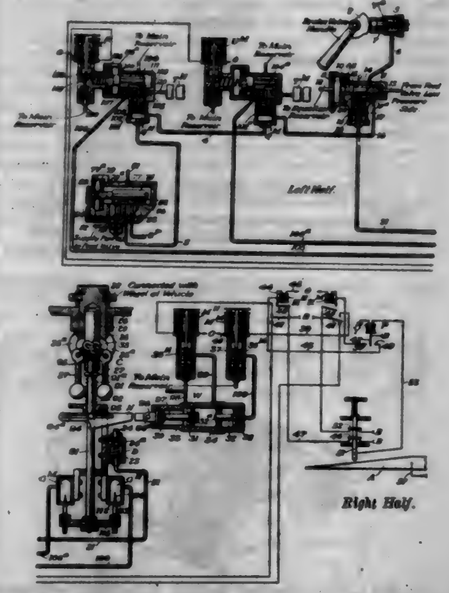
11. A method of melting snow which consists in shredding the snow and exposing the shreds to the hot gases of a burner.

16,082. SHOE AND METHOD OF MAKING THE SAME. AMOS MADSON, Pontiac, Ill., assignor, by mesne assignments, to Norway Welt Patents Trust, a Trust Estate. Filed May 6, 1920. Serial No. 379,424. Original No. 1,265,100, dated May 7, 1918, Serial No. 204,079, filed Nov. 26, 1917. 20 Claims. (Cl. 36—17.)



7. In a shoe, a sole having a heel seat of reduced width providing shoulders, and having a marginal channel extending forwardly from said shoulders, an upper having portions fitting in said channel and a portion turned under the heel seat in rear of said shoulders, a welt secured to the upper within said channel and turned outwardly over the sole, a heel lift secured to the heel seat underneath the turned under portion of the upper, the shank edge of the lift having an upper beveled surface, the sole and welt being beveled at said shoulders to overlap said beveled surface of the lift, and securing means fastening the welt to the sole and extending rearwardly to engage through the beveled portion of the lift.

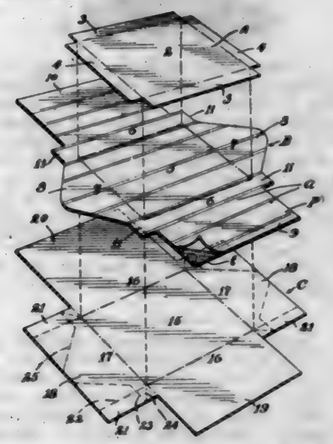
16,083. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Philadelphia, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 28, 1924. Serial No. 734,809. Original application filed Dec. 21, 1918, Serial No. 267,773. Renewed July 14, 1921, Serial No. 484,759. Original No. 1,405,552, dated Feb. 7, 1922. 26 Claims. (Cl. 246—74.)



4. Railway traffic controlling apparatus comprising a railway vehicle, a fluid pressure reservoir thereon, means

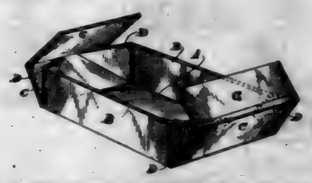
on the vehicle controlled from the trackway for maintaining a constant pressure in said reservoir or for initiating a change in said pressure according to traffic conditions in advance, means on the vehicle for causing the rate of variation of the pressure in said reservoir to be dependent upon the speed of the vehicle, and brake application means on the vehicle controlled by the pressure in said reservoir.

16,084. TOBACCO PACKAGE OR CONTAINER. JONATHAN PETERSON, Brooklyn, N. Y., assignor to Combination Machine Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 10, 1924. Serial No. 755,116. Original No. 1,512,000, dated Oct. 14, 1924, Serial No. 652,064, filed July 17, 1923. 7 Claims. (Cl. 206—46.)



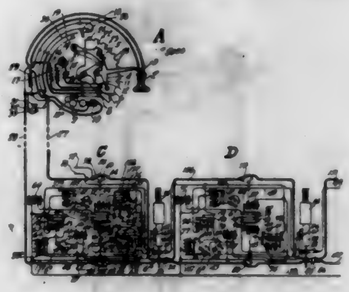
1. As a new article of manufacture, a thin and approximately flat tobacco package for convenient pocket use, which dispenses with a metal container and has sufficient strength and stiffness to protect the tobacco contents, comprising an inner tray of sheet material of substantial stiffness, a quantity of tobacco substantially filling the tray, an inner wrapper including metalfoil substantially enclosing the tray and tobocco and having top flaps movably overlying the tobacco contents, and an outer paper wrapper of substantial thickness formed and secured about the tray and inner wrapper and having closure means arranged for repeated opening and closing and including an outer flap, said closure means being constructed and arranged to be folded down flat upon the package top with said outer flap uppermost, to completely cover and close the package.

16,085. COLLAPSIBLE FOLDING BOX. STAFFORD F. SUTHERLAND, Philadelphia, Pa., assignor to Sutherland Collapsible Paper Box Company, Philadelphia, Pa., a Corporation of Delaware. Filed Jan. 9, 1925. Serial No. 1,501. Original No. 1,443,055, dated Jan. 23, 1923, Serial No. 470,328, filed May 17, 1921. 10 Claims. (Cl. 229—23.)



7. The herein described method of forming collapsible boxes which comprises applying a facing material to a box blank, folding the side walls of the box blank and facing material carried thereby onto the bottom of the box blank, and attaching locking flaps to the ends of the facing material.

16,086. NONGROUNDED OR METALLIC LINE-CIRCUIT SYSTEM. RAYMOND H. BURFIEND, Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company, a Corporation of Illinois. Filed Aug. 30, 1920. Serial No. 407,036. Original No. 1,299,119, dated Apr. 1, 1919, Serial No. 309,021, filed Apr. 18, 1907. 75 Claims. (Cl. 179—18.)



1. A telephone exchange system comprising a telephone line, an automatic switch provided with a switch shaft supported for both endwise and rotary motion, means for closing the two sides of the line together to move the shaft endwise, means including a line relay responsive to such closing of the line for giving the shaft a step-by-step endwise motion, suitable means for rotating the shaft after it has been moved endwise, means for cutting off the line relay while the shaft is in its rotated position, and means for restoring the shaft to normal position by the opening of the line.

16,087. SWITCH. LOUIS A. M. PERLAN, Beloit, Wis., assignor to Absolute Con-Tac-Tor Corporation, a Corporation of Illinois. Filed Mar. 16, 1925. Serial No. 16,068. Original No. 1,471,199, dated Oct. 16, 1923, Serial No. 404,913, filed Aug. 20, 1920. 11 Claims. (Cl. 200—152.)

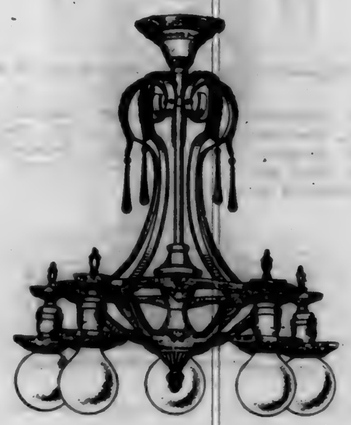


1. An electrical contactor comprising an hermetically sealed tubular glass container, a pair of spaced electrodes disposed at one end thereof and between which the electric circuit is adapted to be made and broken, a leading-in wire fixed to and independently supporting each of said electrodes, and a body of conducting fluid for bridging said electrodes at predetermined times, said leading-in wires extending to the exterior of said container and being permanently hermetically sealed in the walls thereof, the end of said container furthest from said electrodes being depressed inwardly and extended in tubular form towards said electrodes and one of said leading-in wires extending through said inwardly depressed end and hermetically sealed in the inner end thereof.

DESIGNS

MAY 26, 1925.

67,390. ELECTRIC-LAMP FIXTURE. SAMUEL J. AARON, Brooklyn, N. Y. Filed Apr. 1, 1925. Serial No. 12,977. Term of patent 3½ years.



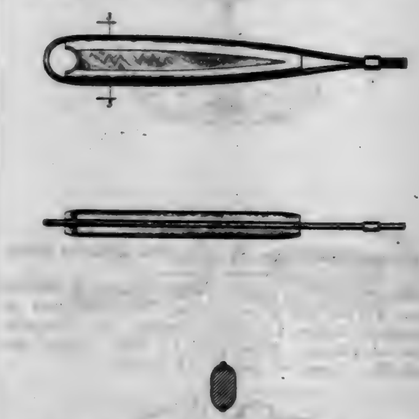
The ornamental design for an electric lamp fixture, as shown.

67,391. SHADE FOR ELECTRIC LIGHTS. MAURICE W. BELMUTH, Brooklyn, N. Y., assignor to Oscar O. Friedlaender Co., New York, N. Y., a Copartnership. Filed Dec. 13, 1924. Serial No. 11,092. Term of patent 7 years.



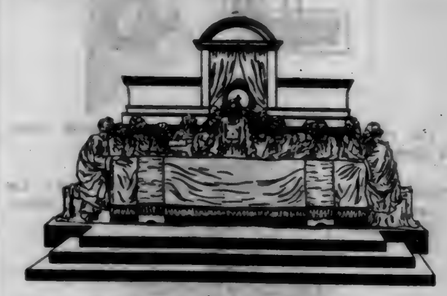
The ornamental design for a shade for electric lights, as shown.

67,392. HANDLE. JOHN L. BENNETT, Decatur, Ill., assignor to U. S. Manufacturing Corporation, Decatur, Ill., a Corporation of Illinois. Filed Apr. 17, 1923. Serial No. 5,840. Term of patent 14 years.



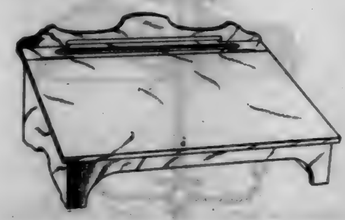
The ornamental design for a handle, as shown.

67,393. ALTAR. PATRICK H. BRADLEY, St. Louis, Mo. Filed Mar. 1, 1923. Serial No. 5,340. Term of patent 7 years.



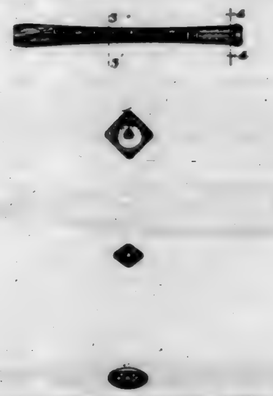
The ornamental design for an altar, as shown.

67,394. LAP DESK. FRANK S. CORNWELL, New York, N. Y. Filed July 1, 1924. Serial No. 10,023. Term of patent 7 years.



The ornamental design for a lap desk as shown.

67,395. CIGARETTE HOLDER. KENNETH I. DAVIS, Lorton, Va. Filed Mar. 14, 1924. Serial No. 8,925. Term of patent 7 years.



The ornamental design for a cigarette holder as shown.

67,396. POCKET SAVINGS BANK. GEORGE H. DEATON and WALTER E. NUNN, Chicago, Ill., assignors to George H. Deaton & Company, Chicago, Ill., a Corporation of Illinois. Filed July 11, 1921. Serial No. 483,979. Term of patent 14 years.



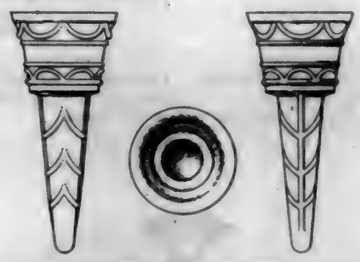
The ornamental design for a pocket savings bank, as shown.

67,397. LIGHTING-FIXTURE SUPPORT. JOHN DE LEO, New York, N. Y. Filed Oct. 17, 1924. Serial No. 11,093. Term of patent 7 years.



The ornamental design for a lighting fixture support as shown.

67,398. ICE-CREAM CONE. JAMES DENARO, Cambridge, Mass. Filed Nov. 5, 1924. Serial No. 11,293. Term of patent 7 years.



The ornamental design for an ice-cream cone as shown.

67,399. CASKET-HANDLE SOCKET. EDWARD DRINKUTH, Cincinnati, Ohio, assignor to The Cincinnati Coffin Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,832. Term of patent 3½ years.



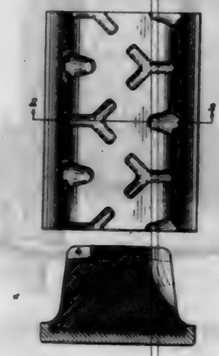
The ornamental design for a casket handle socket, as shown.

67,400. FINGER RING. SAMUEL GROSSMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Apr. 3, 1925. Serial No. 12,999. Term of patent 3½ years.



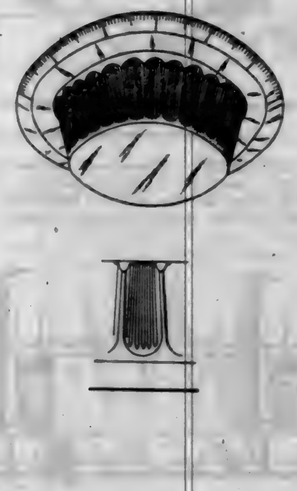
The ornamental design for a finger ring as shown.

67,401. RESILIENT TIRE. ALBERT HARGRAVES, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Feb. 26, 1925. Serial No. 12,492. Term of patent 14 years.



The ornamental design for a resilient tire, as shown.

67,402. RADIODIAL. GEORGE W. HEATH, East Orange, N. J. Filed Sept. 12, 1924. Serial No. 10,762. Term of patent 7 years.



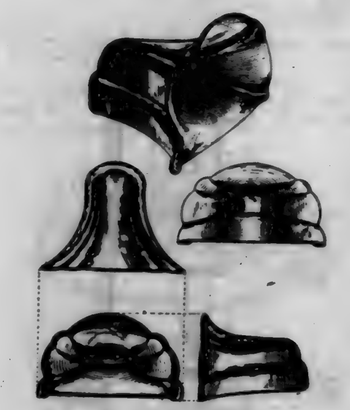
The ornamental design for a radiodial as shown.

67,403. RAILROAD-CROSSING LIGHT. ARTHUR KARLOW, Mayville, Wis. Filed Mar. 1, 1924. Serial No. 8,792. Term of patent 14 years.



The ornamental design for a railroad crossing light, as shown.

67,404. SOUND-REPRODUCER HORN. HERBERT S. KIRK, New Castle, Pa. Filed Feb. 24, 1925. Serial No. 12,456. Term of patent 14 years.



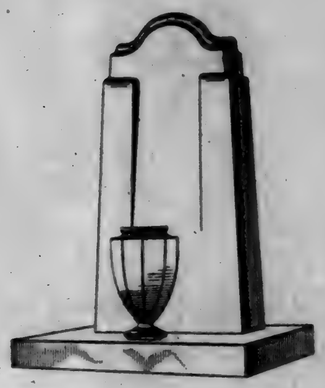
The ornamental design for a sound reproducer horn, as shown.

67,405. CANDLESTICK. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Jan. 26, 1924. Serial No. 8,415. Term of patent 3½ years.



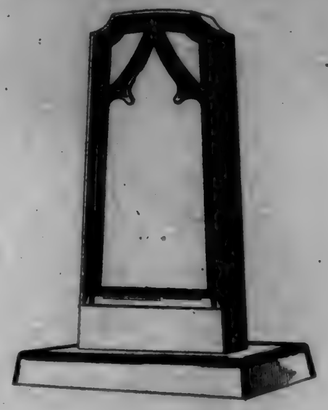
The ornamental design for a candlestick as shown.

67,406. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio, assignor to McBee-Ladewich Company, Mansfield, Ohio, a Partnership. Filed Apr. 9, 1925. Serial No. 13,076. Term of patent 7 years.



The ornamental design for a monument as shown.

67,407. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio, assignor to McBee-Ladewich Company, Mansfield, Ohio, a Partnership. Filed Apr. 9, 1925. Serial No. 13,077. Term of patent 7 years.



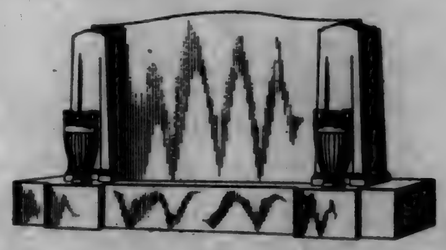
The ornamental design for a monument as shown.

67,408. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio, assignor to McBee-Ladewich Company, Mansfield, Ohio, a Partnership. Filed Apr. 9, 1925. Serial No. 13,078. Term of patent 7 years.



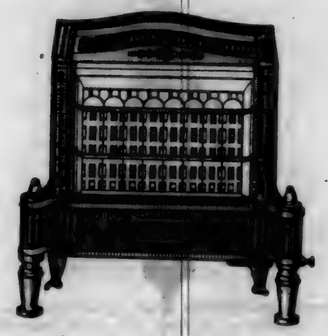
The ornamental design for a monument as shown.

67,409. MONUMENT. EDWARD G. LADEWICH, Mansfield, Ohio, assignor to McBee-Ladewich Company, Mansfield, Ohio, a Partnership. Filed Apr. 9, 1925. Serial No. 13,079. Term of patent 7 years.



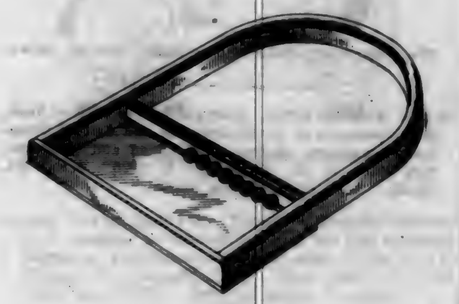
The ornamental design for a monument as shown.

67,410. RADIANT HEATER. LINDLEY S. LAWSON, Pittsburgh, Pa., assignor to Lawson Manufacturing Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 12, 1925. Serial No. 12,697. Term of patent 14 years.



The ornamental design for a radiant heater, substantially as shown.

67,411. BABY TRAY. DAVID W. LYNCH, Lancaster, Pa. Filed Mar. 31, 1925. Serial No. 12,968. Term of patent 7 years.



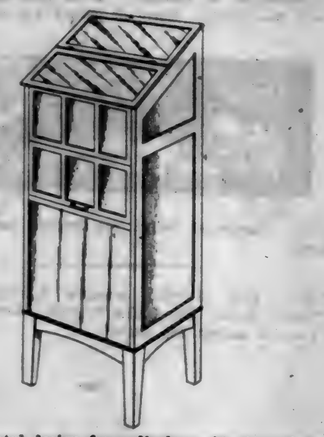
The ornamental design for a baby tray as shown.

67,412. MIRROR FRAME. SAMUEL J. MOLNER, Chicago, Ill., assignor to Illinois Moulding Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 9, 1925. Serial No. 12,825. Term of patent 3½ years.



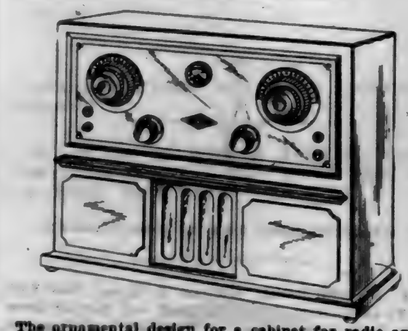
The ornamental design for a mirror frame, as shown.

67,413. DISPLAY CABINET. HARRY MORRIS, Chicago, Ill. Filed Mar. 23, 1922. Serial No. 1,344. Term of patent 14 years.



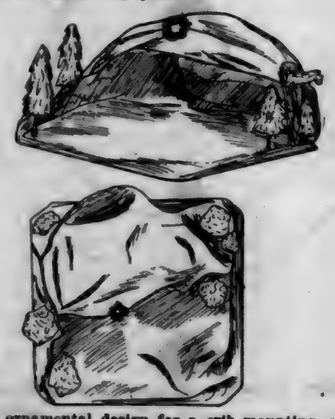
The ornamental design for a display cabinet as shown.

67,414. CABINET FOR RADIO APPARATUS. MICHAEL MORRIS, Brooklyn, N. Y. Filed Mar. 28, 1925. Serial No. 12,952. Term of patent 7 years.



The ornamental design for a cabinet for radio apparatus, as shown.

67,415. CRIB MOUNTING. JULIA M. MURRAY, St. Louis, Mo. Filed Apr. 10, 1923. Serial No. 5,765. Term of patent 3½ years.



The ornamental design for a crib mounting, as shown and described.

67,416. LEATHER. FRED E. MYERS, Joplin, Mo., assignor to The Meeker Company, Joplin, Mo., a Corporation of Missouri. Filed Mar. 21, 1925. Serial No. 12,812. Term of patent 3½ years.



The ornamental design for leather, substantially as shown.

67,417. TOY GOOSE. ANDREW WALTER SCOTT, Jr., Venice, Calif. Filed May 6, 1924. Serial No. 9,492. Term of patent 3½ years.





The ornamental design for a toy goose, as shown.

67,418. FINGER RING. MICHAEL E. SOMAN, New York, N. Y.; assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Apr. 3, 1925. Serial No. 13,000. Term of patent 3½ years.



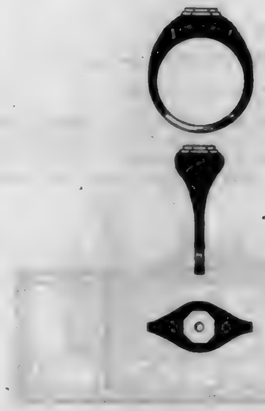
The ornamental design for a finger ring as shown.

67,419. FINGER RING. MICHAEL E. SOMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Apr. 3, 1925. Serial No. 13,001. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

67,420. FINGER RING. MICHAEL E. SOMAN, New York, N. Y., assignor to David Klebanoff and Samuel Grossman, Copartners, trading as Klebanoff and Grossman, New York, N. Y. Filed Apr. 3, 1925. Serial No. 13,002. Term of patent 3½ years.



The ornamental design for a finger ring as shown.

67,421. SELF-LUMINOUS LOCATOR FOR LIGHTING FIXTURE OR SIMILAR ARTICLE. ALEXANDER SPROUL, New York, N. Y. Filed Apr. 4, 1922. Serial No. 1,529. Term of patent 3½ years.



The ornamental design for a self-luminous locator for lighting fixtures or similar articles, as shown.

67,422. DOLL. VICTOR C. THOMPSON, Los Angeles, Calif. Filed Apr. 4, 1925. Serial No. 13,022. Term of patent 3½ years.





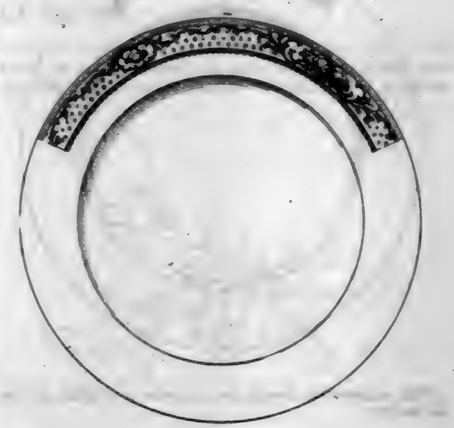
The ornamental design for a doll as shown.

67,423. WALL LANTERN. ERNEST A. WALKER, Newark, N. J., assignor to William Goldberg and Abe Goldberg, trading as a Copartnership under name of The G. & G. Fixture Co., Newark, N. J. Filed Mar. 17, 1925. Serial No. 12,748. Term of patent 7 years.



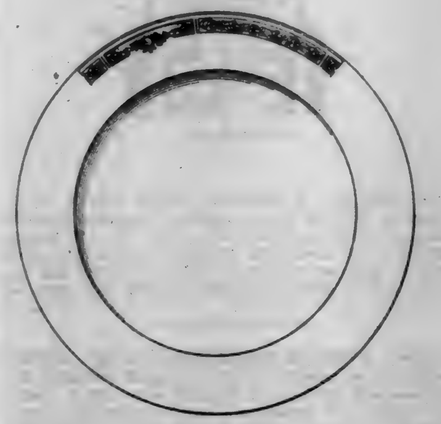
The ornamental design for a wall lantern, as shown.

67,424. PLATE OR SIMILAR ARTICLE. CHARLES WEISS, New York, N. Y. Filed Mar. 3, 1925. Serial No. 12,555. Term of patent 7 years.



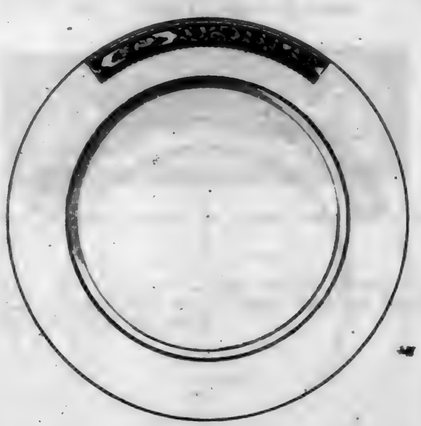
The ornamental design for a plate or similar article, as shown.

67,425. PLATE OR SIMILAR ARTICLE. CHARLES WEISS, New York, N. Y. Filed Mar. 3, 1925. Serial No. 12,557. Term of patent 7 years.



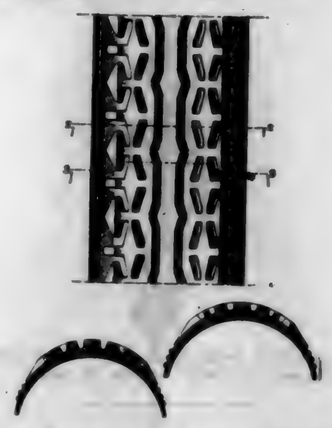
The ornamental design for a plate or similar article, as shown.

67,426. PLATE OR SIMILAR ARTICLE. CHARLES WEISS, New York, N. Y. Filed Mar. 3, 1925. Serial No. 12,558. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

67,427. NONSKID-TIRE TREAD. CHARLES G. MILLER, Charlotte, N. C., assignor to McClaren Rubber Company, Charlotte, N. C., a Corporation of Delaware. Filed Dec. 24, 1924. Serial No. 11,779. Term of patent 14 years.



The ornamental design for a nonskid tire tread substantially as shown.

PATENTS

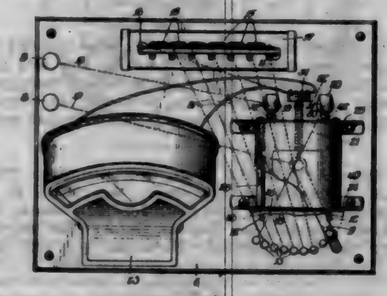
GRANTED MAY 26, 1925.

1,538,879. PYROTECHNICAL DEVICE. MILTON M. ADLER, Newark, N. J. Filed Apr. 17, 1923. Serial No. 632,664. 1 Claim. (Cl. 102—22.)



A pyrotechnical device, comprising a casing, adapted to provide a hollow enclosed interior, a lozenge of detonating pyrotechnical composition loosely disposed within said casing, adapted to produce intermittent detonations when ignited a fuse-element having one end affixed to said lozenge of pyrotechnical composition, said casing having an opening in the top wall thereof through which the free end of said fuse-element may project exteriorly from said casing, and the side walls of said casing having ventilating perforations to admit air into the interior of said casing.

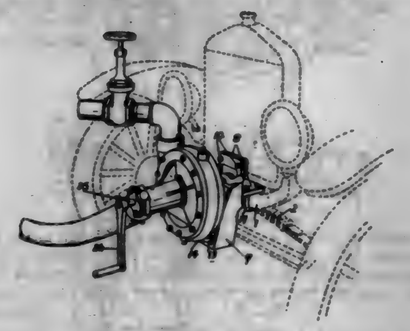
1,538,880. ELECTRIC FURNACE. HENRY R. BARKMEYER, Chicago, Ill. Filed Aug. 7, 1924. Serial No. 730,570. 10 Claims. (Cl. 204—64.)



1. In an apparatus of the class described, a muffle, a support therefor, an opening in the muffle extending outwardly from the heating chamber thereof, and a therme-couple fixed with respect to the support and adapted to enter the heating chamber through said opening when the muffle is moved to operative position on the said support.

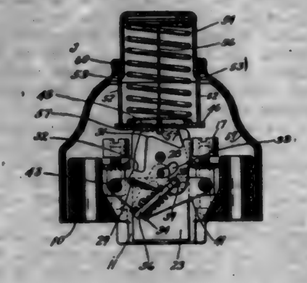
1,538,881. POWER ATTACHMENT FOR MOTOR VEHICLES. BEN D. BARRON, Jackson, Mich. Filed Dec. 7, 1923. Serial No. 679,236. 8 Claims. (Cl. 180—53.)

8. The combination with a chassis frame and driving shaft, of a supporting frame mounted on said chassis frame, a pump mounted on said supporting frame and provided with a shaft carried by said frame, a thrust



member for said pump shaft carried by said frame, and driving connections for said pump shaft to said driving shaft including a clutch.

1,538,882. DOUBLE-POLE SWITCH. ALBERT H. BATES, Elgin, Ill., assignor to The Hoover Company, a Corporation of Ohio. Filed Apr. 18, 1923. Serial No. 632,921. 3 Claims. (Cl. 200—68.)

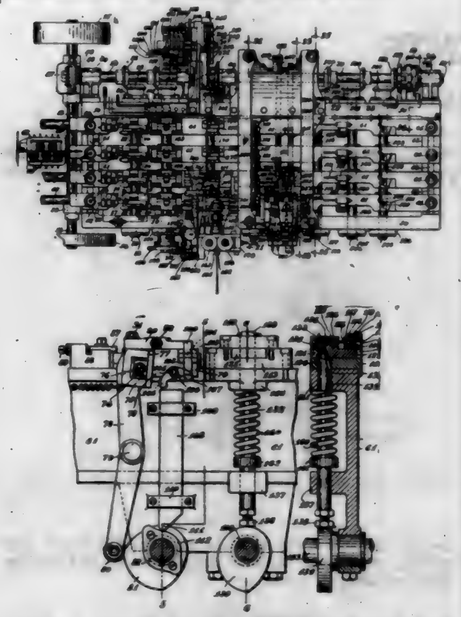


1. In a snap action mechanism, a pole piece comprising a U-shaped actuated member pivotally mounted adjacent the free end of the side arms thereof, a non-conducting member secured to and carried by each side arm and contact members carried by the ends of said non-conducting members which hold them in spaced rotation.

1,538,883. BIRD-CAGE-FORMING MACHINE. JOSEPH H. BARTLEY, Bridgeport, Conn., assignor to O. Lindemann & Co., New York, N. Y., a Firm composed of Otto Lindemann, Oscar Lindemann, and Henry O. Lindemann. Filed Feb. 16, 1923. Serial No. 619,251. 100 Claims. (Cl. 140—71.)

1. In a machine of the character described, means adapted to intermittently feed a bar or the like, means adapted to produce spaced wire receiving portions for receiving wires or the like transversely therethrough, and means adapted to intermittently feed said wires or

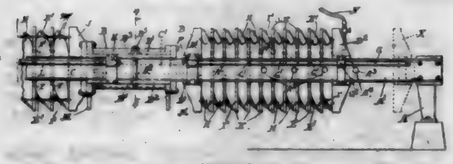
the like intermittently and endwise into relation with said spaced receiving portions of the bar in the intervals between the intermittent feed of the bar.



17. In a machine of the character described, means adapted to intermittently feed a bar or the like, means for perforating said bar in the intervals between the intermittent feed thereof comprising a stationary die disposed at one side of the bar, a punch disposed at the other side of the bar and adapted to be moved transversely thereof to co-operate with the die and perforate the bar, means adapted to operate the punch in the intervals between the intermittent feed of the bar, and means adapted to intermittently thread wires or the like through said perforations in the intervals between the intermittent feed of the bar.

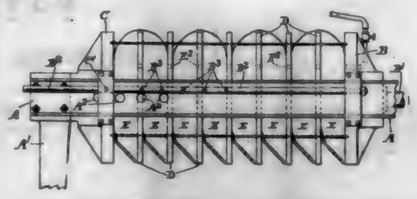
74. In a machine of the character described, means adapted to intermittently feed a bar or the like having spaced portions for receiving wires or the like transversely therethrough, means adapted to intermittently feed said wires or the like into relation with said spaced receiving portions of the bar in the intervals between the intermittent feed of the bar, and auxiliary feed means adapted to be intermittently engaged with the transverse wires to draw the bar through the machine.

1,538,884. HYDRAULIC PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and one-third to Katheryne P. Malon, both of Chicago, Ill. Filed Nov. 14, 1923. Serial No. 674,608. 8 Claims. (Cl. 100—50.)



1. In a press, a plurality of pressing assemblies, and a single pressure applying means adapted to operate alternately on each of said pressing assemblers, the other remaining stationary during that operation.

1,538,885. PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and one-third to Katheryne P. Malon, both of Chicago, Ill. Filed May 7, 1924. Serial No. 711,548. 13 Claims. (Cl. 100—50.)



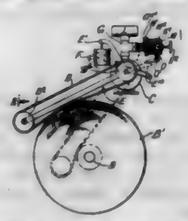
1. In combination with a press, platens and partitions between them, a filter bag having two open ends and overlying a partition and having one end on each side thereof, the two ends of the bag freely communicating with each other.

11. In a press, a pair of platens and a plurality of partitions therebetween, filter bags each having two open ends and being supported between said partitions, one end of each bag lying on one side of the partition and the other end lying on the opposite side of said partition, the two ends of the bag communicating to permit free movement of the contents from one end to the other, means for filling them, means for compressing first one end of the press and for causing re-expansion of that end of the press and for compressing the other end.

1,538,886. PRESS. JOHN J. BERRIGAN, Chicago, Ill., assignor of one-third to John B. Berrigan and of one-third to Katheryne P. Malon, both of Chicago, Ill. Filed Aug. 28, 1924. Serial No. 734,558. 12 Claims. (Cl. 100—50.)

1. In a press, partitions within said press mounted for movement, and supports which normally hold said partitions during pressing, said supports shaped throughout a portion of their length so as to permit the contents of said press and said partitions to fall from said press.

1,538,887. APPARATUS FOR CONTROLLING TENSION. CHARLES E. CARPENTER, New York, N. Y. Original application filed Oct. 18, 1921, Serial No. 508,547. Divided and this application filed Oct. 18, 1921. Serial No. 508,548. 6 Claims. (Cl. 242—75.)



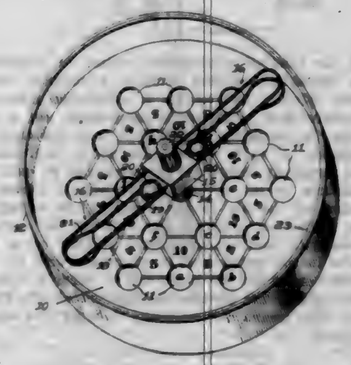
1. The combination with means for advancing web or strand-like material, of means controlling the tension of said material comprising a pump, driving means therefor engaging the material and thereby driving the pump at a speed proportional to that at which the material is advanced and means tending to maintain constant the force required to drive the pump not with standing variations in pump speed.

1,538,888. COMBINATION WEATHER STRIP AND CASEMENT-WINDOW ADJUSTER. FRANCIS B. COLTON, Forest Hills, N. Y. Filed Mar. 8, 1918, Serial No. 221,162. Renewed Apr. 18, 1925. 11 Claims. (Cl. 20—69.)



1. In combination, a sash provided with a spring metal strip, a normally hidden weatherstrip spring pressed laterally against said spring metal strip and movable in relation thereto, a cooperating sill having a slot, and additional means in said slot to receive such weatherstrip for providing a weather tight connection between said sash and said sill.

1,538,889. GAME. WILLIAM C. FARNUM, Winchendon, Mass. Filed Aug. 15, 1923. Serial No. 657,553. 8 Claims. (Cl. 273—179.)



1. A game, comprising a board having ball-receiving pockets formed in its upper face about a central point, a wall surrounding the board for preventing balls from escaping therefrom, and a ball whirler rotatably mounted upon said board and comprising an outwardly extending arm having a ball runway and a shallow ball seat at the outer end of the runway and an opening for the ball directly below the ball when it is held against said seat, whereby rotation of the arm throws a ball outwardly along the runway against the seat where it is held by centrifugal force until this force is overcome by gravity.

1,538,890. INK FOR GLASS. MARK N. FREDENBURGH, East Orange, N. J., assignor to Westinghouse Lamp Company, a Corporation of Pennsylvania. Filed Mar. 31, 1923. Serial No. 628,174. 19 Claims. (Cl. 134—28.)

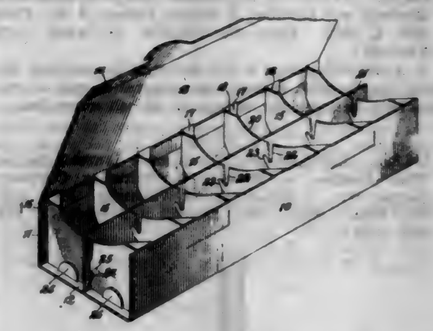
12. An ink suitable for printing on vitreous articles comprising a metallic oxide decomposable to produce an opaque metallic body, a low fusing point enamel and a vehicle containing only a small amount of residual carbon on decomposition.

1,538,891. DOLL'S HEAD. ARTHUR FRISCH and MORRIS A. FRISCH, Brooklyn, N. Y., assignors to Samuel Marcus, Brooklyn, N. Y. Filed July 18, 1921, Serial No. 484,276. Renewed Apr. 11, 1925. 8 Claims. (Cl. 46—40.)



1. In a doll's head the combination of an eye hanger, and a pair of eyes revolubly mounted in said hanger, said hanger having an operative bearing and a temporary bearing from either to the other of which said eyes are shiftable.

1,538,892. EGG CARTON. GEORGE S. GAYLORD, Menasha, Wis. Filed July 19, 1923. Serial No. 652,577. 3 Claims. (Cl. 229—29.)



1. In a carton, a series of transverse partitions hingedly connected to opposite sides of the carton and movable from positions in a common horizontal plane to positions in spaced vertical planes, the maximum depth of said partitions being greater than the distance between the hinge connections of adjacent partitions.

1,538,893. MANUFACTURE OF IRON AND STEEL ALLOYS. WALTER BURNETT HAMILTON, Birkdale, and THOMAS ALLEN EVANS, Manchester, England. Filed Nov. 2, 1923. Serial No. 672,274. 4 Claims. (Cl. 75—45.)

1. A process of making an alloy containing iron and chromium, consisting in charging a furnace with suitable metal, forming a reception slag which carries an ore containing chromium and iron oxides, adding to the furnace an ore containing chromium and iron oxides and substantial proportions of silica admixed with a sufficient quantity of a reducing agent exothermic in respect to said oxides to reduce substantially all the reducible oxides including the silica, contained in the ore so added, whereby the silicon reduced from the silica expends itself in reducing the chromium oxide contained in

the reception slag, thereby to produce an alloy containing the desired percentages of iron and chromium and substantially free from silicon, substantially as described.

1,538,894. BUCKLE. WILLIAM E. HATHEWAY, Bridgeport, Conn. Filed Dec. 1, 1922. Serial No. 604,271. 1 Claim. (Cl. 24—191.)

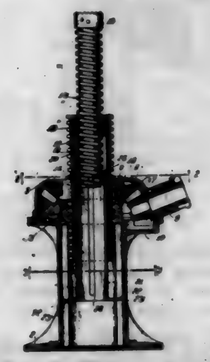


In a buckle, a sheet metal frame having a relatively wide flat and solid floor with attenuated ends and a lever supporting bar integrally connected at each of its ends to the attenuated ends of the floor, said connections of the lever supporting bar being disposed at points substantially central of the width of the floor and extending directly from the floor ends with their side faces at approximately right angles to the floor and their end faces at obtuse angles to the floor to have a relatively divergent relation, the said floor being formed to be embraced by an end portion of the webbing and with the other end portion of the webbing disposed on the first named end of the webbing and having its side edges received between the relatively divergent inner end faces of the said connections, and a lever on said bar having teeth which latter force both layers of the webbing against the floor at points between the inner and outer longitudinal side edges of the floor.

1,538,895. ELECTRIC BATTERY. ALCAN HIRSCH, New Rochelle, and RAYMOND F. BACON, Pelham, N. Y. Filed Feb. 3, 1923. Serial No. 616,824. 8 Claims. (Cl. 136—38.)

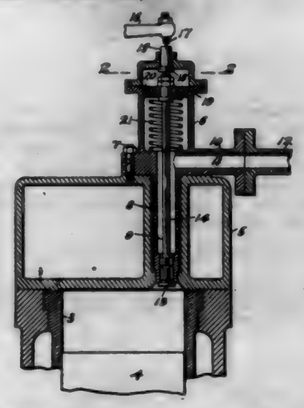
1. A dry cell having a non-mercurial depolarizing material and metallic mercury disseminated therein to substantially maintain the voltage of the cell under load.

1,538,896. LIFTING JACK. GUNNAR JENSEN, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 14, 1924. Serial No. 732,023. 3 Claims. (Cl. 254—102.)



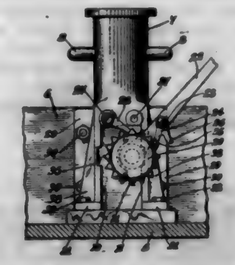
3. A lifting jack comprising a hollow standard, a stationary nut in the upper end of the standard, a pair of screws each of substantially the same height as the standard, and adapted to nest within one another and within the standard, the outer screw being in the form of a sleeve exteriorly threaded to mesh with the nut, and interiorly threaded at its upper end to mesh with the inner screw, means for rotating the outer screw, and a tubular member positioned between the inner and outer screws and provided with a longitudinally extending slot, there being a projection on the lower end of the inner screw movable in the slot, and a projection on the lower end of the tubular member movable in a vertical slot in the standard, whereby the tube and inner screw are vertically movable with respect to the standard and each other, but none of these parts can rotate.

1,538,897. STARTING VALVE FOR INTERNAL-COMBUSTION ENGINES. OLAV EGKIL JORGENSEN, New York, N. Y. Filed Apr. 19, 1920. Serial No. 374,899. 4 Claims. (Cl. 60—16.)



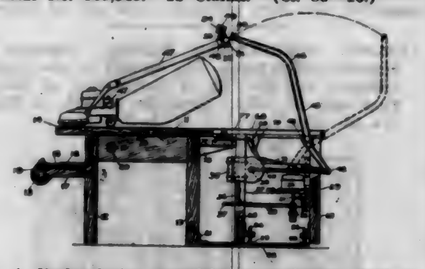
4. In an internal combustion engine, in combination with a cylinder, a casing forming a chamber opening into said cylinder and having a connection adapted to communicate with a source of compressed air, a starting valve for normally shutting off said chamber from the cylinder, a valve stem with which said starting valve is integrally formed, a guide member on said valve stem slidable in the casing and formed to permit free circulation of the air in the chamber, an actuator, a plunger projecting through the wall of the casing to cooperate with said actuator, said plunger being freely suspended in the casing wall in alignment with the valve stem and headed on its inner end to form a valve for normally closing the opening through which the plunger projects, and means for normally holding the starting valve closed.

1,538,898. BITT. CHARLES KULMAN, Brooklyn, N. Y., assignor of one-half to Harold F. O'Brien, Brooklyn, N. Y. Filed May 18, 1924. Serial No. 712,975. 12 Claims. (Cl. 254—176.)



1. A bitt comprising a metal post-like structure having an opening in the bottom portion thereof, and a windlass journaled in said opening, and means whereby said windlass may be journaled on either side of two opposite sides of said opening.

1,538,899. DISPLAY DEVICE. RAYMOND M. LANGLEY and PHILIP G. GRAP, Chicago, Ill., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed June 19, 1922. Serial No. 569,345. 12 Claims. (Cl. 35—16.)



1. A display-device comprising a stationary platform, a movable platform provided with a mechanism adapted to reciprocate a suction-cleaner, and means to shift the movable platform relative to the stationary platform.

1,538,900. CLOTHES POST. JAMES W. S. LOUGHLIN, Newark, N. J. Filed May 19, 1923. Serial No. 640,277. 2 Claims. (Cl. 68—12.)



1. A clothes-post comprising a main body, a head-piece connected with the upper end of said main body comprising a hook member having a plurality of radially projecting upturned hook-portions, and a guard member associated with said hook-member having a plurality of radially projecting horizontal guard fingers to extend between the free ends of adjacent hook-portions.

1,538,901. APPARATUS FOR TRANSPORTATION AND UTILIZATION OF LIQUEFIED GASES. JAMES DOUGLAS MACMAHON, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, New York, N. Y., a Corporation of Virginia. Filed Jan. 6, 1925. Serial No. 833. 5 Claims. (Cl. 105—362.)



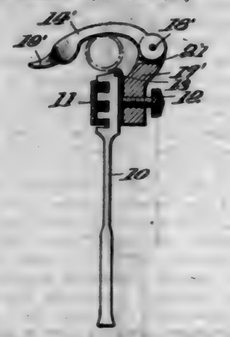
1. The combination of a car having a series of containers for liquefied gas mounted thereon, each container having an outlet, the intake of which lies below the level of the liquid therein, a valve for controlling the rate of flow through the outlet, and a heating unit mounted on the car in heat exchange relationship to the containers and movable to different positions on the car.

1,538,902. CORE AND METHOD OF MAKING CONDUITS. THOMAS E. MURRAY, Brooklyn, N. Y. Filed Apr. 20, 1923. Serial No. 633,408. 9 Claims. (Cl. 25—128.)



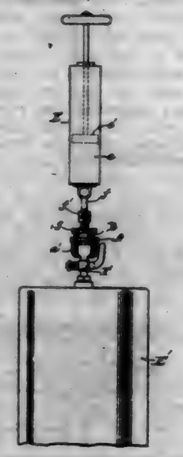
1. A core for molding conduits of great length comprising a series of non-collapsible sections arranged to be successively removed one at a time from one end of the conduit.

1,538,903. GLASS-TUBE CUTTER. ADAM OGINT, Brooklyn, N. Y. Filed Oct. 27, 1923. Serial No. 671,152. 3 Claims. (Cl. 49—52.)



1. A cutter for glass tubes comprising, in combination, means for holding the head of a cutter member, means pivoted on said cutter member holding means and partially encircling the glass tube and to be pressed by the hand against the tube in the cutting operation.

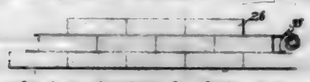
1,538,904. MEANS FOR DECARBONIZING ENGINE CYLINDERS. WILLIAM HURLEY OSTERHOUDT, New York, N. Y., assignor to Charles F. Kinsman, New York, N. Y. Filed Nov. 15, 1921. Serial No. 515,211. 5 Claims. (Cl. 123—198.)



1. In a device for introducing a decarbonizing agent into engine cylinders, a two-part coupling one of which

is a shell cut away for lateral application to a priming cock, and the other part is a plug screwed into said shell, combined with a forcing device attachable to said plug.

1,538,905. REFRACTORY STRUCTURE. LE GRAND PARISH, Mountainview, N. J. Filed Aug. 12, 1921. Serial No. 491,700. 9 Claims. (Cl. 72—37.)



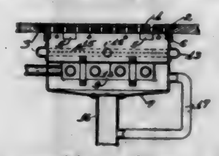
1. A refractory structure for fireboxes composed of a plurality of refractory units with preformed units of fusible material between said refractory units.

1,538,906. POTENTIAL INDICATOR. RICHARD J. PARISIAN, Battle Creek, Mich., assignor to The Wiginton Company, Kalamazoo, Mich. Filed Oct. 25, 1920. Serial No. 419,504. 3 Claims. (Cl. 171—95.)



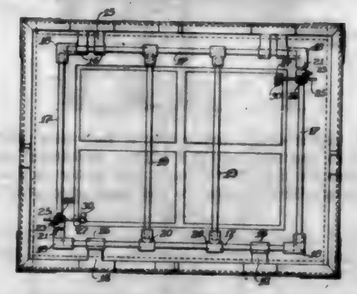
1. In a potential indicator, the combination of a case comprising a cylindrical body and caps detachably secured in the ends thereof, said body and caps being of insulating material, a solenoid core fitted within said body and supported in a spaced relation to both ends thereof providing top and bottom chambers, said body having a longitudinal slot opening into said top chamber, a core loosely reciprocating within said coil and projecting into said top chamber and provided at its outer end with a finger-like pointer disposed in said slot, a coiled spring disposed on said core between the upper end of said coil and said pointer whereby the core is yieldingly supported, the outer end of the slot constituting a stop limiting the outward movement of said core, there being a scale for direct current disposed at one side of said slot and a scale for alternating current disposed at the other side of said core, and flexible cords disposed through the bottom cap and connected within the bottom chamber to the leads of said coil.

1,538,907. HEATED SANITARY DEVICE. ADOLPH P. RITTER, Chicago, Ill. Filed Sept. 26, 1921. Serial No. 503,466. 4 Claims. (Cl. 15—237.)



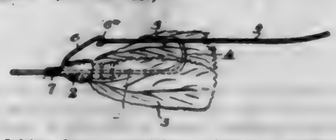
2. A grating comprising a frame, a removable grid adapted to fit within said frame having both longitudinal and transverse bars, filler strips above said bars having dovetail slidable engagement with said bars, the filler strips having their upper surface substantially flush with the upper surface of said frame whereby the frame prevents detachment of the filler strips from said bars.

1,538,908. REGISTERING TABLE. THEODORE C. SCHULTZ, River Forest, Ill., assignor to The Tribune Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 27, 1922. Serial No. 590,861. 3 Claims. (Cl. 33—184.5.)



1. A photographic layout table comprising a flat top, a glass plate over the same, standards secured to and arising from the rim of the same that have tubular supports, rods carried by said supports, and extending substantially parallel to the top of said table, carriers consisting of bosses adjustably mounted on said rods, needle supporting bars adjustably mounted in said carriers, said bars having vertical tubes, screws adjustable vertically in said tubes, and needles secured in said tubes and depending axially in the lower ends of the same.

1,538,909. FISHING LURE. JESSE P. SHANNON, Lake Geneva, Wis. Filed Nov. 1, 1924. Serial No. 747,143. 5 Claims. (Cl. 43—40.)



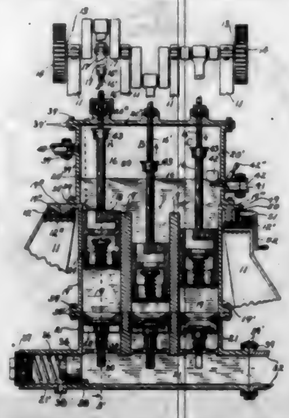
1. A fishing lure comprising a hook, a resilient arm secured to the shank of the hook above the hooked end thereof and terminating forwardly of and in line with the barbed end of the hook in an attaching member adapted to engage one end of a strip of pork rind or the like, and means associated with the barbed end of the hook for securing said strip intermediate its ends.

1,538,910. PROCESS OF PREPARING ACID PHOSPHATE. WILLIAM E. STOKES, Rockville Center, N. Y., assignor to Royal Baking Powder Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 24, 1923. Serial No. 614,679. 3 Claims. (Cl. 71—7.)

1. A process for preparing monobasic phosphate comprising dehydrating a solution of monobasic phosphate containing some free phosphoric acid and mixing with the substantially dry product thereof, substantially dry calcium carbonate.

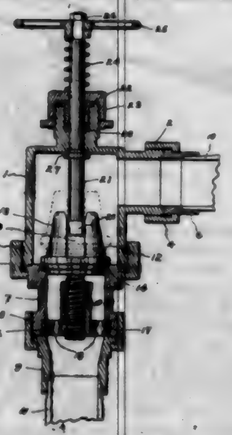
1,538,911. APPARATUS FOR PROPELLING LIQUIDS. BURT E. TAYLOR, Mount Vernon, N. Y., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 20, 1923. Serial No. 633,404. 15 Claims. (Cl. 103—178.)

1. In a vacuum pump, an air-tight reservoir for the liquid; means adapted for maintaining a constant vacuum pressure in the upper portion thereof and above the normal level of the liquid; means for supplying and introducing liquid thereto including means within the reservoir automatically controlling said supply to maintain a predetermined normal liquid level; an air-tight conduit for the liquid extending from said reservoir to



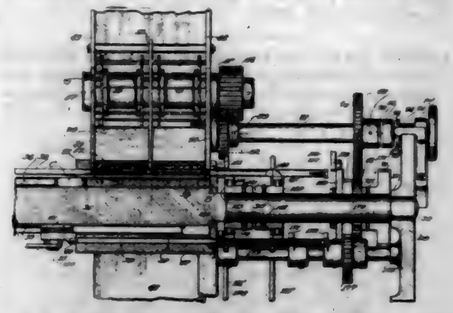
the place of delivery of the liquid; a piston operating wholly within, and having a therethrough passage for the liquid communicating with, said conduit; a valve slidable within the piston normally closing said passage; and means to reciprocate the piston whereby the valve is actuated by the piston movement to alternately close and open said passage.

1,538,912. VALVES, INCLUDING CONDUITS FOR LIQUIDS. BURT E. TAYLOR, Mount Vernon, N. Y., assignor to The Borden Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 13, 1923. Serial No. 680,423. 8 Claims. (Cl. 251—48.)



3. A valve construction comprising, in combination, a conduit section, a second conduit section separably connected therewith having a valve seat formed on the upper inner rim thereof, a coacting valve reciprocable in said first conduit section, having a downwardly projecting threaded stud, means comprising a spindle removably connected with said valve to rotate same, and means, comprising a non-rotatable nut coacting with said stud and having a liquid passage therethrough, said nut being removably secured to said second conduit section, to actuate and hold the valve in any predetermined position relatively to said valve seat.

1,538,913. FILLING MACHINE. JOHN C. WAHL, Chicago, Ill., assignor to The Wahl Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 22, 1920. Serial No. 425,904. 11 Claims. (Cl. 226—14.)



1. A machine for inserting pencil leads into containers having a plurality of parallel compartments, which comprises a shaft having a plurality of sets of longitudinally extending grooves in the periphery thereof, the number of grooves in each set corresponding to the number of compartments in said containers, the said grooves being of such a size as to receive a predetermined number of leads; means for successively filling said grooves as said shaft rotates, comprising a hopper having a slot therein extending parallel with said grooves and in close proximity to the periphery of said shaft; a second hopper; means between said hoppers for causing short leads to be separated from the long and for conveying long leads from said firstnamed hopper to said second hopper; a filling drum for receiving and holding containers with their openings in registry with one end of said grooves; a receiving drum; means for transferring said containers from said receiving drum to said filling drum; plungers reciprocably mounted on said shaft and slidable in said grooves; means for reciprocating said plungers as said shaft rotates to displace the leads from said grooves; and means for displacing said containers from said filling drum.

1,538,914. STRAW HAT. THOMAS J. WATTS, Baltimore, Md., assignor to The Townsend Grace Company, a Corporation of Maryland. Filed Dec. 10, 1924. Serial No. 754,893. 7 Claims. (Cl. 2—193.)



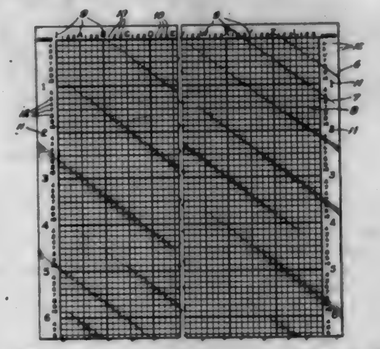
1. A braid for the flexible portion of men's sailor hats and the like, the same consisting of a strip of a fine smooth braided straw and a strip of coarser braided straw of roughened distinctive outline, the two being placed parallel, one partially overlying the other, and a through and through longitudinal seam connecting the two together, forming a braid of standard width having one roughened edge and one smooth edge portion.

1,538,915. PROCESS FOR FINISHING AUTOMOBILE BODIES. CHARLES H. WIDMAN, Detroit, Mich. Filed Sept. 26, 1924. Serial No. 740,017. 6 Claims. (Cl. 296—28.)

6. A process of finishing an automobile body which consists in first forming the various pieces of the body

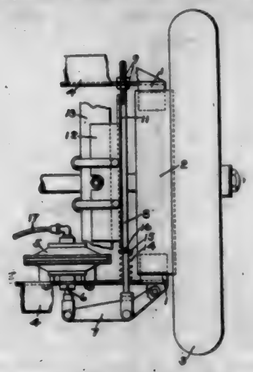
casing, then cleaning the same, then applying an undercoating containing iron oxide to the pieces, then subjecting pieces to a relatively high heat, then assembling pieces to a body frame and then applying a finishing coating, of a pyroxylin finish.

1,538,916. METHOD AND MEANS FOR TELEGRAPHING PHOTOGRAPHS. WILLIAM HENRY WISNER, Chicago, Ill., assignor to The Tribune Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 1, 1923. Serial No. 672,089. 3 Claims. (Cl. 178—7.)



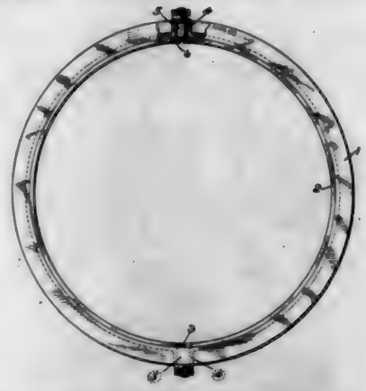
1. The method of descriptive transmission of pictures consisting of initially transmitting a brief preliminary description of the images in the picture and their relative locations whereby the receiver may first visualize the general concept of the picture to be transmitted; then transmitting the lines of the images as they appear through a cross-lined screen that is supported upon the picture and has line identifying indicia upon its margins; and thereafter progressively delineating the so transmitted lines and points upon a sheet bearing corresponding lines and indicia.

1,538,917. AUTOMOTIVE BRAKE MECHANISM. JOHN R. BARTHOLOMEW, Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,712. 2 Claims. (Cl. 188—152.)



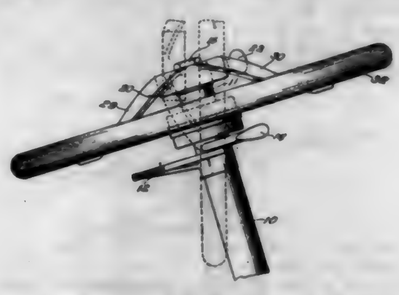
1. In an automotive brake, the combination with a brake rigging including opposite brake beams, of a fluid pressure brake chamber carried by one brake beam and having a brake operating rod extending through an opening in the supporting brake beam, a tie rod connected to the other brake beam and extending through an opening in the brake chamber supporting brake beam, and a lever connected to said brake beam and to the tie rod and the operating rod.

1,538,918. BRAKE-DRUM LINING. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 13, 1923. Serial No. 631,839. 1 Claim. (Cl. 188—218.)



The combination with a brake drum, of a split one-piece brake lining mounted in said drum and having a cone-shaped recess straddling the joint in the lining and a bolt having a cone-shaped head engaging said recess for securing said lining to the drum.

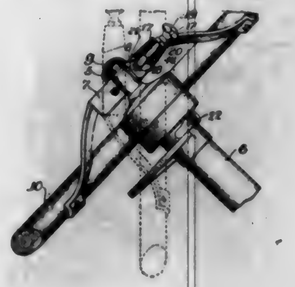
1,538,919. TILTING STEERING WHEEL. PERRY S. BAUER, Chicago, Ill. Filed Sept. 22, 1921. Serial No. 502,837. 1 Claim. (Cl. 74—33.)



The combination of a steering shaft, a radial head fixed on the shaft and projecting at opposite sides thereof, a spoked steering wheel having a hub provided with a radial bifurcation of substantially the shape and size of the head and snugly receiving the same, a pivot member extending through the head and the sides of the bifurcated portion of the hub and located between the steering shaft and the open end of the bifurcation, the head being provided with an upright slot receiving the pivot member and permitting vertical bodily movement of the steering wheel preparatory to tilting thereof on the pivot member, the adjacent end walls of the bifurcation and head being shaped to permit tilting of the steering wheel on the pivot member, and a locking member extending through the hub opposite the open end of the bifurcation and into locking engagement with the head.

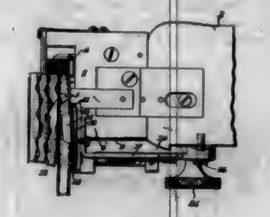
1,538,920. TILTING STEERING WHEEL. PERRY S. BAUER, Chicago, Ill. Filed Jan. 15, 1923. Serial No. 612,605. 2 Claims. (Cl. 74—33.)

1. In combination, a steering wheel having a bifurcated hub, the inner end of said bifurcation being U-shaped and beveled from top to bottom, a steering shaft, a head on said shaft and received within said bifurcation, said head having one end curved and beveled



to correspond with the inner end of said bifurcation and to fit snugly therein, and a pivot passing through said head and the sides of said bifurcation.

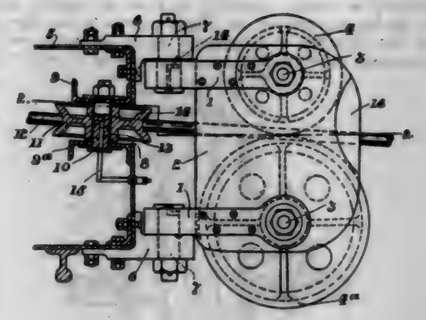
1,538,921. GUIDE FOR STRAW-BRAID-SEWING MACHINES. RUDOLPH BECKER, North Plainfield, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 2, 1924. Serial No. 710,499. 5 Claims. (Cl. 112—15.)



1. In a straw-braid sewing machine, the combination with stitch-forming mechanism including a laterally vibrating needle, of a dividing blade disposed in a vertical plane substantially bisecting the path of vibration of said needle, and yielding means for holding one edge of a strip of braid of variable width continuously in engagement with said dividing blade.

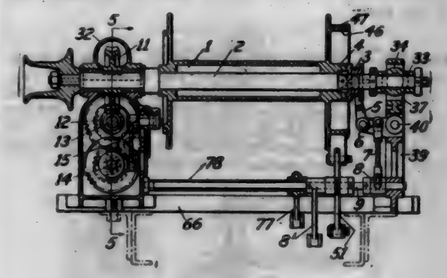
1,538,922. GUIDE OR FAIR-LEAD FOR THE DRAG ROPE OF A DRAG-LINE EXCAVATOR. HUBERT OSWALD BEDGOOD, Glasgow, Scotland, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Filed May 6, 1924. Serial No. 711,483. 4 Claims. (Cl. 254—190.)

1. A fair-lead for the drag-line of a drag line excavator, having, in combination with the hollow platform of the excavator horizontally disposed guide pulleys located within said platform, said platform having an opening therein through which the drag-line passes, means supporting the guide pulleys horizontally side by side within the platform, brackets projecting from the



platform, bifurcated hinge pieces pivotally connected to said brackets, and vertically disposed pulleys mounted on the bifurcated hinge pieces.

1,538,923. WINCH FOR MOTOR VEHICLES. ROBERT S. BOLGER, New York, N. Y. Filed Dec. 26, 1924. Serial No. 758,310. 5 Claims. (Cl. 254—166.)

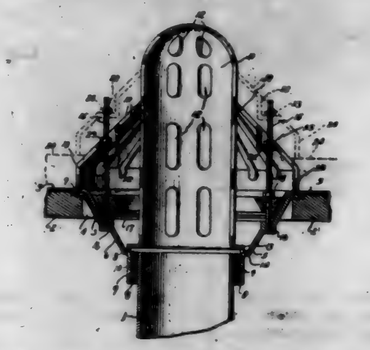


1. In a unitary variable speed winch structure adapted to be moved as a unit, a winch drum, a driving shaft for said drum, a gear on said shaft, an auxiliary shaft, a plurality of gears of different pitch diameters on said shaft, one of said gears meshing with said gear on the drum driving shaft, a third shaft, a plurality of companion gears thereon adapted to mesh with certain of the gears on said auxiliary shaft, a reversing idler gear adapted to mesh with certain of the gears on said auxiliary shaft and said third shaft, means for selectively meshing certain of the gears on said auxiliary shaft with certain of the others gears, a housing enclosing said gears, side frames for said winch, said housing forming part of said side frames.

1,538,924. ROOF SUMP. EDWARD W. N. BOOSEY, Detroit, Mich. Filed Jan. 31, 1924. Serial No. 689,701. 7 Claims. (Cl. 183—31.)

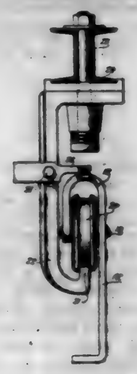
1. A roof sump comprising a basin adapted for connection with a drain conduit, the basin being provided

with a conical inner face, a series of threaded rods supported vertically in the basin, an annular member apertured to receive the rods and movable longitudinally thereof, the annular member having a conical face extending parallel with the conical face of the basin, a flashing or roofing extending between the conical faces of the annular member and basin, a series of nuts carried by the threaded rods adapted to be turned down to bindingly secure the flashing or roofing between the



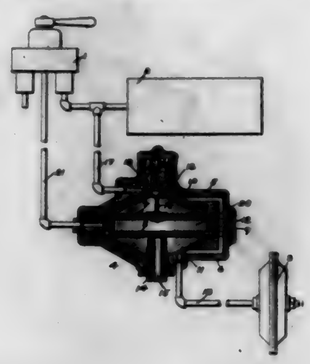
conical faces of the annular member and basin, an upright apertured member extending over the drain conduit, a conical member having a central aperture through which the upright member extends and provided with a series of smaller apertures through which the upper ends of the rods extend, a series of nuts carried by the said rods adapted to be turned down to bindingly engage the edge of the conical member against the roofing, the conical member being provided with a series of apertures open to the basin.

1,538,925. CONVEYING APPARATUS. HENRY B. BUCKHAM, Chicago, Ill., assignor to The Albright-Nell Company, Chicago, Ill., a Corporation of Illinois. Original application filed June 12, 1920, Serial No. 388,504, now Patent No. 1,481,790, dated Jan. 29, 1924. Divided and this application filed Dec. 27, 1920. Serial No. 430,087. 8 Claims. (Cl. 104—90.)



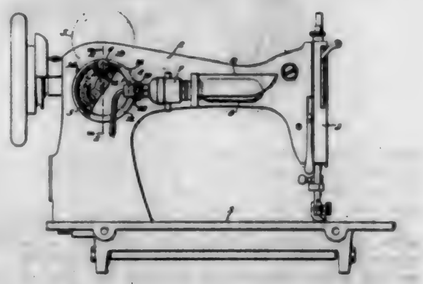
1. The combination with a single trackway of a fixed double trackway having one end in juxtaposition with respect to said single trackway, a container movable on both said trackways, means for suspending said container from said trackways, said means being adjacent each end of said container to maintain said container in alignment with sid single trackway, and means for permitting the transfer of the container from one character of trackway to the other.

1,538,926. FLUID-PRESSURE BRAKE. CHRISTOPHER P. CASS, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1923. Serial No. 626,672. 2 Claims. (Cl. 303—28.)



1. The combination with a brake chamber, of a valve for controlling the supply of fluid under pressure to said chamber, a flexible diaphragm for operating said valve, a flexible diaphragm for controlling a port through which fluid is exhausted from said chamber, a chamber intermediate said diaphragms, said diaphragms being operated by an increase in pressure in said diaphragm chamber for opening said supply valve and for closing said exhaust valve, and means for controlling the fluid pressure in said diaphragm chamber.

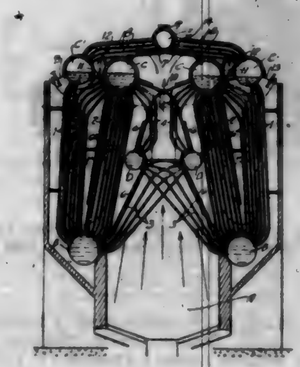
1,538,927. LIGHTING ATTACHMENT FOR SEWING MACHINES. DANIEL H. CHASON, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed May 8, 1924. Serial No. 711,812. 3 Claims. (Cl. 240—2.)



1. The combination with a sewing machine frame having the usual apertured hollow arm and arm-side cover-plate, of an apertured plate interposed between said arm and arm-side cover-plate, and an electric lamp-socket carried by said apertured plate.

1,538,928. WATER-TUBE BOILER. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed May 10, 1920. Serial No. 380,285. 4 Claims. (Cl. 122—326.)

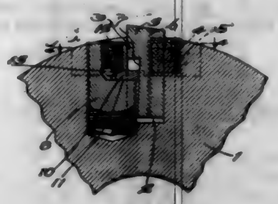
1. A water tube boiler of the type in which the combustion chamber is adapted to be fired from the front end and from the rear end of the boiler, comprising separate and distinct units arranged at the front and rear ends of the combustion chamber and each composed of a mud drum, elevated cross drums and banks of upright water tubes that connect said cross drums with said mud drum, separate banks of crossed tubes in the combustion chamber each of which is connected at its lower end to the mud drums of one of the units, separate submerged



water drums connected with the upper ends of said crossed tubes, and banks of up flow tubes leading from said submerged drums and so arranged that the water which is supplied to the submerged drum of one unit will circulate through one of the elevated drums of the other unit, said crossed tubes being spaced apart double the usual distance

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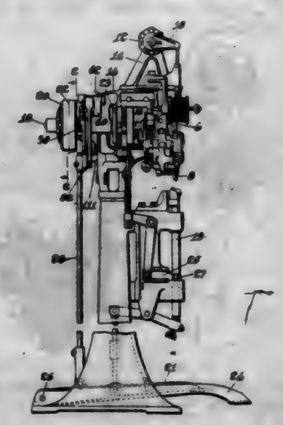
1,538,929. CUTTING TOOL. GERARD A. DE VLIEG, Janesville, Wis. Filed Mar. 13, 1922. Serial No. 543,444. 10 Claims. (Cl. 29—105.)



1. In a tool structure, the combination with a tool holder formed with a tool receiving recess; of a tool inserted within said recess; a block carried by the tool holder and movable therein laterally of and against a side of the tool to fix it in assembly with the holder; means for moving the block against the tool; and a carrier for said means and in threaded connection with the holder, the tool receiving recess having an enlargement that receives said carrier.

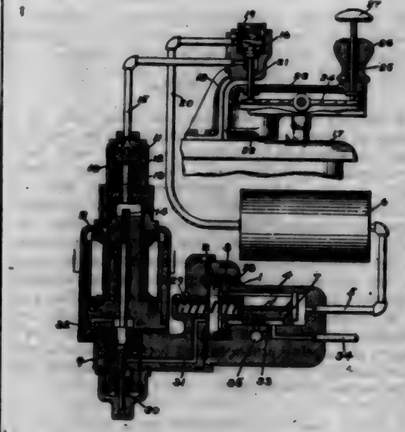
1,538,930. STARTING AND STOPPING MECHANISM. RENÉ E. DUPLESSIS, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 12, 1920. Serial No. 373,229. 16 Claims. (Cl. 192—12.)

1. In a mechanism of the class described, a shaft, a loose and a fixed clutch member on the shaft, a collar on the shaft, a wedge member normally movable on the collar to force the latter against the loose clutch member to move the latter into operative connection with the fixed clutch member, and means for relatively displacing the wedge member and the collar so that the wedge



member, when it is operated in the manner which normally causes operation of the clutch, cannot operate on the collar to effect clutching of the loose and fixed clutch members.

1,538,931. MAGNET-CONTROLLING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 18, 1923. Serial No. 624,749. 4 Claims. (Cl. 303—18.)

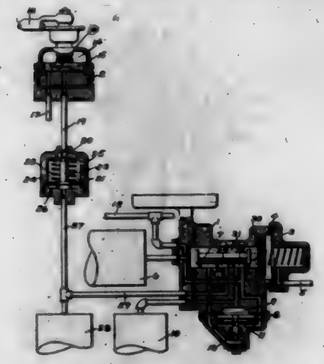


1. The combination with a valve device for effecting an application of the brakes, of a magnet, a valve operated upon deenergization of said magnet for effecting the operation of said valve device, and means under the control of an operator for preventing the movement of said valve upon deenergization of said magnet.

1,538,932. TRAIN-CONTROL DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 24, 1922. Serial No. 723,015. 7 Claims. (Cl. 303—18.)

1. The combination with a brake application valve device and a brake valve device for controlling the

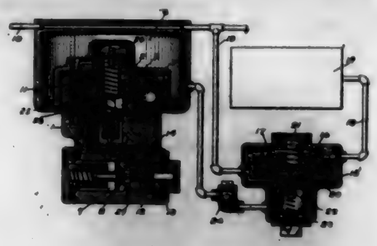
release of the brakes, of means controlled by said application valve device for controlling communication through



which the release of the brakes is effected by manipulation of said brake valve device.

1,538,933. BRAKE-PIPE VENT VALVE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 24, 1924. Serial No. 722,016. 6 Claims. (Cl. 303—82.)

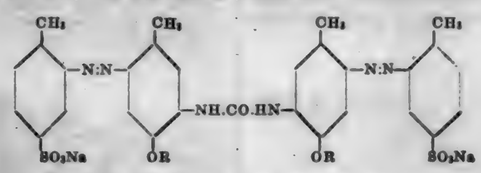
1. In a fluid pressure brake, the combination with a brake pipe and an auxiliary reservoir, of a valve device subject to the opposing pressures of the brake pipe and a chamber for controlling the venting of fluid from the brake pipe, and means subject to the opposing pressures



of the brake pipe and the auxiliary reservoir for controlling the charging of said chamber with fluid under pressure.

1,538,934. DISAZO DYES CONTAINING A DIPHENYLUREA NUCLEUS. LEON W. GELLER, Hamburg, N. Y., assignor to National Aniline & Chemical Co. Inc., New York, N. Y., a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,686. 4 Claims. (Cl. 260—77.)

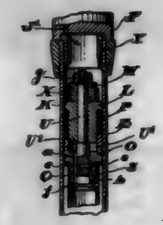
1. As new products, the azo dyestuffs having in the shape of their sodium salts the following probable formula:



where R denotes alkyl group, such as CH_3, C_2H_5, etc., being ureas of aminazo compounds obtainable by coupling diazotized 3-amino-4-methylbenzene-1-sulfonic acid into 4-alkoxy-3-amino-1-methylbenzene, yielding upon reduction with stanous chloride and hydrochloric acid, 3-amino-4-methylbenzene sulfonic acid and 2.2'-dialkoxy-4.4'-diamino-5.5'-dimethyldiphenyl urea which upon hydrolysis is further decomposed into 2.5-diamino-4-alkoxytoluene and carbonic acid; said azo dyestuffs in the shape of their dry and pulverized sodium salts being yellowish brown powders soluble in water with a yellow color, and soluble in concentrated sulfuric acid with a bluish red color which on dilution with ice produce a reddish brown precipitate; and dyeing unmordanted cotton yellow shades which are capable of being discharged to a white by the action of sodium hydrosulfite.

1,538,935. FEEDING MECHANISM FOR ROCK DRILLS. HARRY V. HAIGHT, Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed July 2, 1923. Serial No. 649,083. 5 Claims. (Cl. 74—109.)

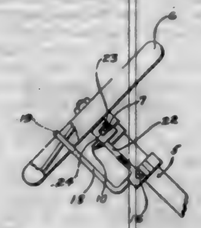
1. A fluid pressure piston, comprising a cup shaped main hollow piston head, a cylindrical cap having limited longitudinal movement in said hollow head, the body portion of said cap being guided in the head cavity by the walls of the head, said cap having a flange at its outer end, packing material in the recess formed between the said cap flange and the main head, a guide bolt having an enlarged neck forming a shoulder, a bolt shank passing through the said cap, and means for rigidly securing the bolt in the cap, the neck of the bolt extending inwardly into the main piston head, stops on the main piston head, and a stop on the bolt neck cooperating



with said stops on the main piston head for limiting the longitudinal movement of the bolt and cap relatively to the main piston head.

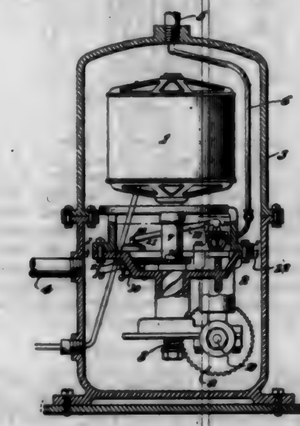
1,538,936. AUTOMOBILE LOCK. RAY HESS, Chicago, Ill. Filed Mar. 14, 1924. Serial No. 699,271. 3 Claims. (Cl. 70—126.)

1. An automobile lock comprising a clamp consisting of a pair of pivotally connected sections, a lock for securing the sections about the steering column of an automobile, one of the sections being provided with an upwardly extending member having a recess to receive one of the spokes of a steering wheel, and arms having



branches provided with recesses to receive the control levers adjacent the steering wheel.

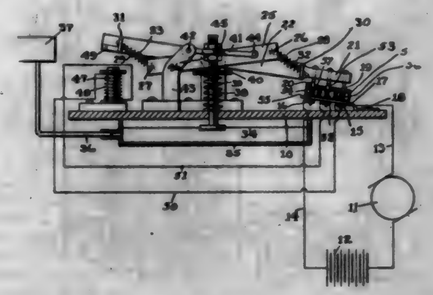
1,538,937. MECHANICAL UNLOADING DEVICE FOR COMPRESSORS. CLARENCE M. HOLLEY and EARL P. OSWALD, Detroit, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Dec. 24, 1919, Serial No. 347,134. Renewed Apr. 6, 1925. 5 Claims. (Cl. 230—24.)



1. In a fluid pressure system, the combination with a compressor having a high and a low pressure line, of a casing or chamber forming part of the low pressure line and enclosing the compressor, an inlet valve of the compressor opening to the chamber, a discharge valve for the compressor opening directly to the high pressure line, a motor in the chamber, and a centrifugally operated means within the chamber driven by the motor and acting to hold the inlet valve open to the chamber until the motor has attained a predetermined speed of operation.

4. A mechanical unloading device for fluid compressors comprising the combination with a compressor having a spring closed inlet valve, an electric motor for operating the compressor, of a lever pivotally mounted upon the compressor head having one end engaging the valve stem, a plunger or rod at the opposite end of the lever, a centrally apertured housing in which the rod is movable longitudinally, a gear on the said housing, a gear on the motor shaft meshing therewith, and means operated through centrifugal force caused by rotation of the gear and housing to release the rod and lever to permit normal operation of the inlet valve, said centrifugally operated device being adapted when idle or operating below a predetermined speed to cause movement of the lever to open the inlet valve against the tension of the valve spring.

1,538,938. SWITCH CONSTRUCTION. GEORGE E. HULSE, New Haven, Conn., assignor to Safety Car Heating & Lighting Company, a Corporation of New Jersey. Filed Feb. 15, 1922. Serial No. 536,611. 21 Claims. (Cl. 200—144.)



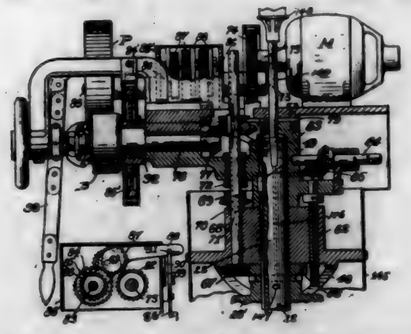
1. In construction of the general nature of that herein described, in combination, a pair of contacts adapted to control the opening and closing of an electric circuit, means for moving one of said contacts into and out of circuit-closing relation with respect to the other, an electromagnet connected across said contacts, thereby to be energized by the potential drop across the arc formed between said contacts as said operating means moves one of said contacts out of circuit-closing position with respect to the other, means responsive to the energization of said electromagnet for relatively rapidly moving said contact away from the other, and means responsive to the actuation of said last-mentioned means by said electromagnet for disconnecting said electromagnet from one of said contacts.

1,538,939. SEWING-MACHINE SHUTTLE. EDGAR D. HUME, Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed Aug. 21, 1923. Serial No. 658,495. 2 Claims. (Cl. 112—238.)



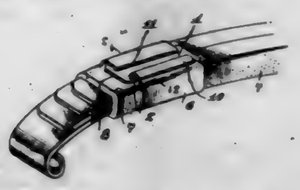
1. In combination, a sewing-machine shuttle body having a central post and a seat surrounding the inner end of the post; a bobbin case having a tubular post receiving the shuttle post; and a bobbin-controlling adjunct including a sleeve loosely surrounding and adapted to rotate on the tubular post, and provided with a flange bearing on said seat, a stop collar embracing and adapted to rotate with the sleeve and formed to closely fit the interior of a bobbin cop tube, so that the collar is adapted to rotate with the bobbin, a centrally apertured disk surrounding and freely movable on the sleeve between the said flange and the stop collar, and a dished spring bearing at its central portion on the said flange and at its marginal portion on the disk, the spring acting in opposite directions to press the sleeve flange inwardly against the said seat, and to press the disk outwardly against the inner end of a bobbin, so that the outer end of the bobbin is pressed against the head of the bobbin case, the said stop collar being arranged to be out of contact with said disk when the said adjunct and a bobbin are installed in the shuttle, and to contact with the disk, and limit the movement thereof by the spring in the absence of a bobbin.

1,538,940. APPARATUS FOR APPLYING CLOSURES TO RECEPTACLES. ARON JOHNSON, Brooklyn, N. Y. Filed Jan. 10, 1921. Serial No. 436,146. 4 Claims. (Cl. 226—84.)



1. In apparatus for applying closures to receptacles, the combination of a fixed shaft; a rotatable receptacle supporting table concentric with said shaft; closure applying devices rotatably mounted on the shaft and to have longitudinal reciprocable movement and adapted to have longitudinal adjustment on the shaft relative to the table; means to couple the closure applying devices with the table to rotate therewith and permit of adjustment of said devices relative to the table and maintain the driving connection between the same; a cam mounted on the shaft and connected to the closure applying devices to participate in the longitudinal adjustment thereof, and with which cam said devices co-operate to impart the closure applying movement thereto, driving means supported upon the shaft in fixed position and operatively connected to the closure applying devices; a lead screw carried by the support for the driving means having threaded connection with the cam; and means to rotate said lead screw to adjust the cam with the connected closure applying devices on the shaft for the purpose specified.

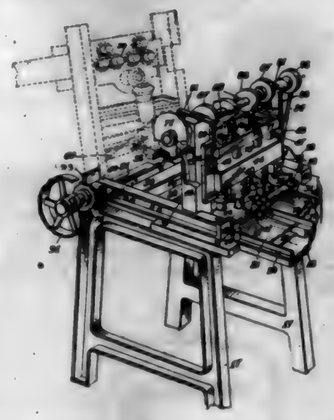
1,538,941. BUCKLE. JAMES MADISON JACKSON, Parkersburg, W. Va. Filed July 10, 1924. Serial No. 725,199. 1 Claim. (Cl. 24—23.)



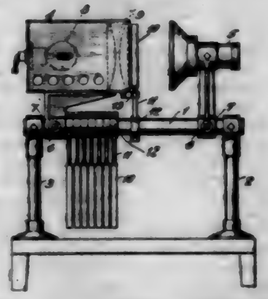
A fastener of the character described comprising a substantially flat body having a pair of substantially parallel marginal edges, said body having an elongated portion thereof struck laterally therefrom adjacent to one of said marginal edges to provide an elongated attaching strip and having a slot formed therein adjacent to the other of said marginal edges, the portion of the body extending between said slot and the adjacent marginal edge being offset from the same side of the body as said first named attaching strip.

1,538,942. APPARATUS FOR CUTTING DISKS FROM SHEETS. ARON JOHNSON, Brooklyn, N. Y. Filed Apr. 10, 1922. Serial No. 551,202. 5 Claims. (Cl. 144—28.)

1. In apparatus for cutting disks from sheets, a perforated, sheet supporting table; tubular cutters; a pivoted frame to rotatably and reciprocably carry the cutters in alinement with the perforations in the table and yieldingly urged in one direction; said frame being adapted to be swung with the cutters toward and away from the table; a shaft journaled in the frame, carrying cams operative to move the cutter carrying means in the opposite direction; means to feed the sheet transverse to the cutters and during the receding movement thereof comprising rollers arranged in opposed pairs, one pair forward and the other pair rearward of the cutters; a toothed sector; means to rock the sector during the reciprocating movement of the cutters; pinions loose on the shaft of one of the feed rollers of each pair of rollers meshing with said sector; means operative to connect said pinions to the roller shaft when the sector is rocked in one direction and to disconnect the same therefrom when the sector is rocked in reverse direction, and means carried by the frame and operative from the cam shaft to rock the sector during the receding movement of the cutters, said means being adapted to be moved out of and into operative relation with the sector as the frame is moved away from and toward the table

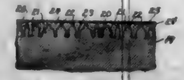


1,538,943. PROJECTION DEVICE. BURNHAM W. KING, East Orange, N. J., assignor to Julius King Optical Company, a Corporation of New York. Filed Feb. 20, 1922. Serial No. 537,831. 14 Claims. (Cl. 88—28.)



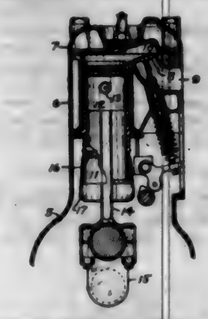
5. In the art of optical projection, a projecting device having relatively adjustable sections, a rod by means of which one of the sections is adjustable relatively to the other, and a plurality of object carriers rotatably and slidably carried by said rod, whereby said carriers may be brought individually into projecting relation with respect to said sections in any variable order of sequence.

1,538,944. SILVER-REENFORCED SILVER-PLATED FLATWARE FOR TABLE USE. THOMAS B. LASHAR, Fairfield, Conn., and THOMAS H. LASHER, Chicago, Ill., assignors to Associated Silver Co., Chicago, Ill., a Corporation. Filed Jan. 26, 1923. Serial No. 614,982. 7 Claims. (Cl. 30—22.)



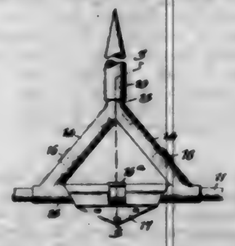
1. An article of manufacture, consisting of a base portion having recesses with interspersed elevations having slender terminals, a silver binder filling the said recesses and covering the said terminals, and a plated outside face.

1,538,945. BAFFLE. VINCENT LINK, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind., a Corporation of New Jersey. Filed Oct. 5, 1923. Serial No. 666,852. 10 Claims. (184—3.)



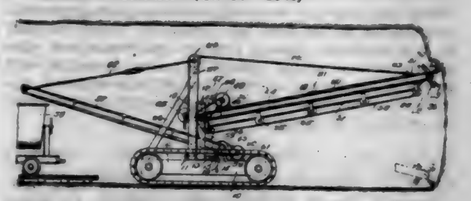
1. In an engine having a cylinder, a piston, a crank shaft, and a connecting rod connecting said piston and crank shaft, an oil baffle comprising a cup-shaped member having resilient sides adjacent the open end forming the attaching means of said member to said cylinder, and an opening in the closed end of said member for the passage of said connecting rod.

1,538,946. LIGHTNING-ROD CONNECTER. IRA M. MOORE, Hamburg, N. Y. Filed June 16, 1922. Serial No. 568,719. 4 Claims. (Cl. 173—81.)



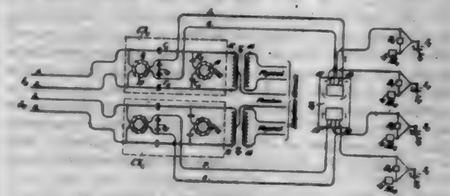
1. A lightning rod connecter, comprising a vertically-divided foldable frame, including an approximately circular base-portion split lengthwise on its upper side and adapted to be folded about a conductor-cable, opposing side portions extending upwardly from the edges of said base-portion and each consisting of a pair of upwardly-converging leg-sections of semicircular cross section joined at their upper ends by a semicircular neck section, the opposing neck-sections and leg-sections abutting against each other and forming neck and leg-members of circular cross section when the sides of said base-portion are closed against the conductor-cable, and means for securing said neck and leg sections together.

1,538,947. EXCAVATING APPARATUS. WILLIAM J. NEWMAN, Chicago, Ill. Filed Dec. 26, 1924. Serial No. 758,160. 4 Claims. (Cl. 37—190.)



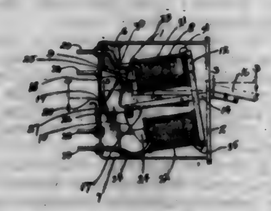
1. In a machine for excavating soft clay or the like, the combination of a conveyor, a shaft mounted adjacent to one end of the conveyor, means for turning said shaft, a substantially U-shaped cutter blade secured to the shaft and adapted to cut out slices of clay or material, and a paddle mounted at the rear of the cutter blade and rotating therewith, said paddle being adapted to coact with the blade for throwing the slices of excavated material onto the conveyor.

1,538,948. TRANSFORMER. HARRY NYQUIST, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,902. 3 Claims. (Cl. 179—3.)



1. In a signaling system adapted for the simultaneous transmission of telephone and telegraph signals, the combination with a line circuit of a terminal telephone circuit and a plurality of terminal telegraph circuits, a composite set adapted to guide the telephone and telegraph signaling currents into their respective terminal circuits, and a transformer having a winding individual to and in series with each telegraph circuit, the said windings being so inductively coupled and poled that the transmission of a telegraph impulse through one of them will induce an impulse in a second winding of such magnitude and in such direction as to minimize the current set up in the circuit with which the said second winding is connected by the transmission of the signaling impulse over the circuit with which the said first mentioned winding is connected, due to the admittance between the said circuits.

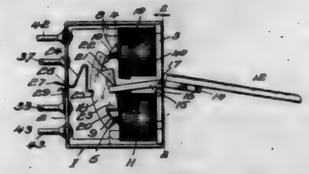
1,538,949. ELECTRIC-CIRCUIT-CONTROLLING DEVICE. OSBORNE I. PRICE, Frederick, Md., assignor, by mesne assignments, to The W. H. Reisner Mfg. Co., Hagerstown, Md., a Corporation of Maryland. Filed Apr. 23, 1924. Serial No. 708,526. 6 Claims. (Cl. 200—88.)



1. An electric circuit controlling device comprising in combination a support, a stationary armature secured

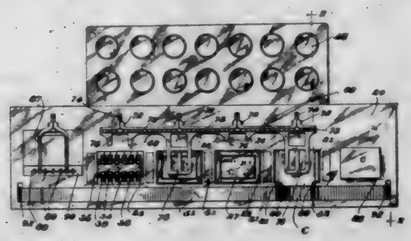
in one side of said support and having a pole face on each side of a central section thereof, a frame, a pair of solenoids carried adjacent opposite ends of said frame and pivotally mounted in a line passing through said central section forming a magnetic circuit for each of said solenoids passing through said frame and said pole faces and spring means operative to retain said frame in a position in which one of said magnetic circuits has a minimum overall length for closing or opening an electrical circuit.

1,538,950. CIRCUIT-CONTROLLING DEVICE. OSBORNE I. PRICE, Frederick, Md., assignor, by mesne assignments, to The W. H. Reisner Mfg. Co., Hagerstown, Md., a Corporation of Maryland. Filed May 24, 1924. Serial No. 715,741. 5 Claims. (Cl. 200—98.)



1. An electric circuit controlling device, comprising in combination a U-shaped frame, a magnetic member closing one end of said frame, a pair of electromagnets carried by said member, said magnets having arcuate pole tips disposed in the same curved line, an arcuate armature pivotally mounted between said electromagnets and having arcuate faces at each end thereof corresponding to the shapes of the pole tips, an indicator connected with said armature, and spring means for controlling the movement of said armature and said indicator to either of two positions whereby an electric circuit may be opened or closed and visible indication of the condition of the said circuit secured.

1,538,951. STENCILING APPARATUS. WILLIAM PRINGLE, Richmond Hill, N. Y. Filed Apr. 1, 1924. Serial No. 703,506. 25 Claims. (Cl. 101—115.)

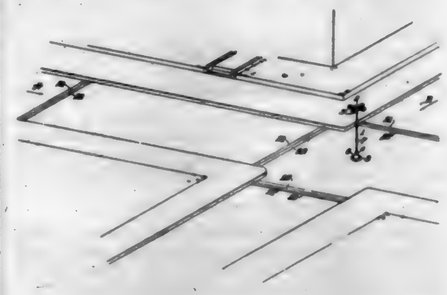


1. A stenciling apparatus comprising a substantially horizontal stencil, an air brush beneath the stencil for spraying fluid upwardly upon the under side thereof, and means for actuating the air brush.

8. A stenciling apparatus comprising a plurality of stencils, color projecting means beneath the stencils, conveyor means for successively positioning cards upon the respective stencils, means for alternately actuating the conveyor means and color projecting means whereby the latter will be actuated when the cards are positioned on the stencils.

22. The method of applying colors to an article which consists in projecting sprays of fluids of different nature under pressure upwardly through a stencil simultaneously to different portions of the under surface of the article.

1,538,952. TRAFFIC SIGNAL. ALFRED W. RAM, Washington, D. C., assignor to William H. Finckel, jr., trustee, Washington, D. C. Filed June 29, 1921. Serial No. 481,814. 14 Claims. (Cl. 177—337.)



1. In a traffic signal, the combination with intersecting traffic lanes, of signal means for controlling traffic across the intersection, and vehicle actuated means for controlling said signal means, whereby not more than a predetermined number of vehicles may pass in one direction before the signal means is actuated to signal approach of vehicles in an intersecting direction.

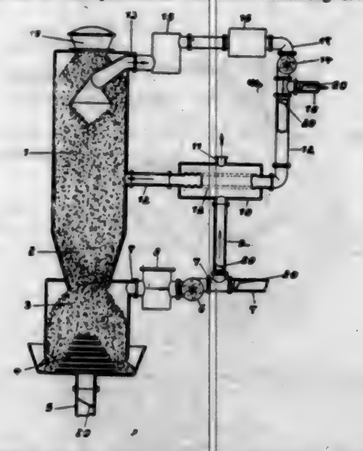
1,538,953. TICKET FOR USE IN MERCHANDISING CAMPAIGNS. WALTER T. RAYMOND, St. Louis, Mo. Filed Oct. 12, 1923. Serial No. 668,214. 3 Claims. (Cl. 283—1.)



1. A group of checks for the purpose described, each of which is provided with a representation of a clock face, and clock hands, the clock hands of the different checks being disposed differently so as to represent different fractions of time.

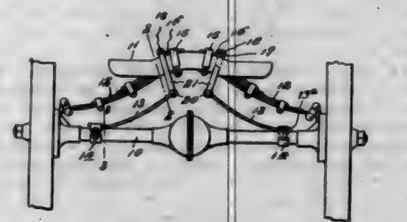
1,538,954. METHOD OF DISTILLING SHALE AND SIMILAR BITUMINOUS FUELS. HANS ROSENTHAL, Berlin, Germany, assignor to Julius Pintsch, Aktiengesellschaft, Berlin, Germany. Original application filed Mar. 24, 1922, Serial No. 546,430. Divided and this application filed Feb. 4, 1925. Serial No. 6,850. 1 Claim. (Cl. 202—16.)

A method of distilling oil shale and similar bituminous fuels by means of internal heating, consisting in wholly or partly burning in a special pre-heater the gas resulting from the gasification of the shale residue, said gas giving off in the pre-heater the heat resulting from its



combustion on to a gas, which continuously circulates through the fuel and acts as a heat transmission means.

1,538,955. SHOCK ABSORBER. LOUIS B. SCHELL, Tampa, Fla., assignor of one-half to D. B. Mills, West Tampa, Fla. Filed Nov. 6, 1922. Serial No. 599,300. 2 Claims. (Cl. 267—45.)



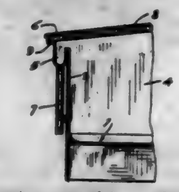
1. The combination with a vehicle axle, spring and bolster, of a shock absorber comprising means to provide a pair of bearings upon said bolster, a pivot pin through each bearing, a pair of link devices pivotally suspended from each pivot pin, the links of each pair being separated by said bolster, a pair of resilient spring bars each having one end pivotally supported between the lower ends of a pair of links and having their other ends extended in opposite directions and resting upon said axle, and clamp devices engaging the extended end of each bar to secure the same to said axle.

1,538,956. PROCESS OR METHOD AND APPARATUS FOR SPINNING OR TWISTING AND WINDING YARN. DAVID S. SEAMAN, Providence, R. I. Filed Dec. 4, 1924. Serial No. 753,881. 13 Claims. (Cl. 242—1.)



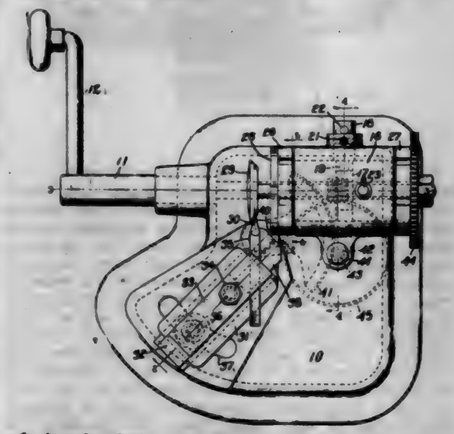
1. The process of winding yarn from a series of bobbins in one continuous length upon a single receiver, which consists in spinning or twisting the yarn upon a series of bobbins with the trailing end exposed, transferring the series of full bobbins to a flexible carrier having bobbin holders disposed to support the bobbins in parallel relation, tying the trailing end of the yarn of one bobbin to the leading end of the yarn on another bobbin successively thruout the series, transferring the flexible carrier to a winding machine constructed to support the carriers so that the ends of the series of bobbins extend in a radial direction towards the winding point, then winding the yarn successively from the bobbins to a single receiver in one continuous length.

1,538,957. FRUIT EVAPORATOR. MARY PARKER SMITH, Denver, Colo. Filed Feb. 25, 1924. Serial No. 694,870. 1 Claim. (Cl. 34—41.)



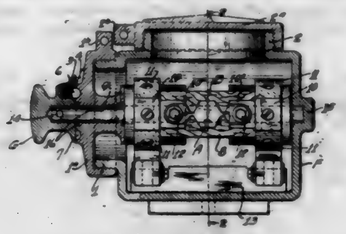
A fruit evaporator comprising a box-like casing having an inclined glass top, a gutter applied exteriorly to the top portion of the shorter upright side wall of the structure, the lower portion of the glass top projecting laterally beyond the said wall and over-hanging the gutter, the said wall being shortened at the top to leave a space between its upper edge and the glass cover, said space establishing communication between the casing chamber and the gutter, the outer wall of the gutter extending upwardly above the inner wall thereof and forming a support for the adjacent overhanging part of the glass top, and forming therewith a tight joint, the gutter having an outlet for water of evaporation which passes thereto from the under surface of the glass.

1,538,958. VALVE LATHE. ULRICH STEINER, Lima, Ohio, assignor to Steiner Brothers, Lima, Ohio, a Partnership. Filed Mar. 22, 1922. Serial No. 545,725. 12 Claims. (Cl. 82—1.)



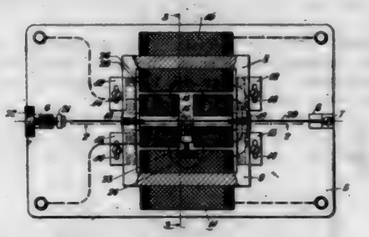
1. A valve lathe comprising a work holder, a tool slide for moving the tool across the face of a valve, a holder supporting said tool slide, said holder being pivotally adjustable to vary the path of the tool slide, means whereby the work holder may be moved axially to move the valve toward and away from the path of the tool, common driving means for rotating the work holder and moving the tool slide in one direction, and manual means for resetting the tool slide, substantially as set forth.

1,538,959. MULTIPLE FUSE AND FUSE HOUSING. JOSEPH TEIPEL and WILLIAM F. EXNER, St. Louis, Mo., assignors to Mancha Storage Battery Locomotive Company, St. Louis, Mo., a Corporation of Delaware. Filed Oct. 26, 1922. Serial No. 597,220. 5 Claims. (Cl. 200—125.)



1. A multiple fuse, comprising a housing, a carrier in said housing provided with a plurality of fuses, one opening in said housing through which said fuses can be inspected, another opening in said housing through which the carrier can be removed from the housing, movable closures for said openings, and means for locking said closures together.

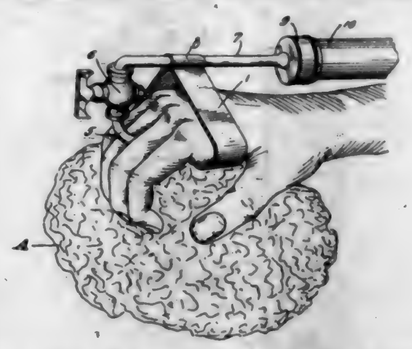
1,538,960. ALTERNATING-CURRENT RELAY. ELMER O. THOMPSON, Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed July 19, 1922. Serial No. 576,048. 6 Claims. (Cl. 200—93.)



6. A relay comprising a base, yokes adjustably supported thereon having their poles facing each other, windings for said yokes through which direct current may flow, a pair of spools including windings therefor through which alternating current may flow, an armature positioned longitudinally of said yokes and centrally of said spools, the field produced in the magnetic system by said alternating current having two air gaps in multiple whereby a lower reluctance and a correspondingly increased magnetic flux is created for said armature, a spring member mounted on said base with which said armature is adapted to make contact, the amplitude of movement of said armature at the point of contact being greater than at the point of magnetic pull exerted by said yokes, means for adjusting the tension of said armature, and means for adjusting said spring member.

1,538,961. SPRAY. CHARLES W. TOBERT, Oklahoma City, Okla. Filed Oct. 27, 1924. Serial No. 746,160. 2 Claims. (Cl. 299—141.)

1. A spray device of the class described comprising a rigid supporting member of loop shape and adapted to be placed over the hand of a user, a spray nozzle on the member for resting in the palm of the hand and a supply pipe supported by the top of the member



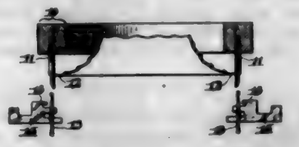
and having a curved portion passing between the fingers of the hand of the user and connected with the nozzle.

1,538,962. AIRPLANE-FUSELAGE CONSTRUCTION. LOWELL C. WEINBERG, Dayton, Ohio. Filed Jan. 20, 1922. Serial No. 530,628. 1 Claim. (Cl. 244—30.)



In fuselage construction, longérons having fixed gussets at intervals in the length thereof, in combination with rectangular truss units comprising side and cross members, said cross members being arranged beyond the extremities of said side members to provide exterior recesses to receive said longérons, diagonal gussets at each corner of said truss units for securing the side and cross members together, said truss units each in complete form being applied to the longérons and gussets and fastened to said gussets.

1,538,963. METHOD OF AND MEANS FOR TRANSFERRING KNITTED WEBS. LOUIS N. D. WILLIAMS, Ogonts, Pa. Filed Dec. 14, 1922. Serial No. 606,789. 4 Claims. (Cl. 66—32.)



1. The method of transferring the stitches of knitted webs from the points of a transfer device to the needles of a knitting machine, which consists in projecting the web holders to engage all the stitches and retain the same on the needles while the transfer device is withdrawn.

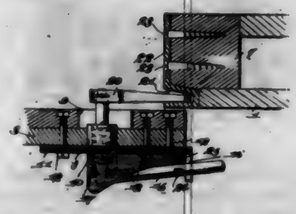
1,538,964. WAVE FILTER. OTTO J. ZOBEL, New York, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Jan. 15, 1921. Serial No. 437,527. 11 Claims. (Cl. 178—44.)

8. A wave-filter having one or more half-sections of a certain kind and one or more half-sections introduced from a different wave-filter having the same characteristic impedance and the same critical frequencies and



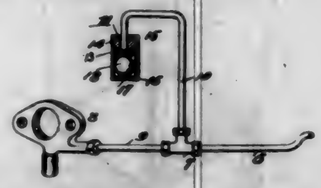
a different attenuation characteristic outside the free transmitting range.

1,538,965. BOX-CAR-DOOR LATCH. THOMAS W. ALLEN and LON A. WYATT, Memphis, Tenn. Filed Apr. 30, 1924. Serial No. 709,984. 6 Claims. (Cl. 292—202.)



1. A latch for car doors, comprising a tubular casing adapted to be positioned in a transverse opening in a car door, a latch bolt supported by the tubular casing for axial movement to and from position to extend beyond the inner face of the car door, a handle at the outer end of the latch bolt, spring means urging said latch bolt continuously toward position to extend beyond the inner face of the car door, and cooperative stop elements respectively carried by said latch bolt and said latch casing for limiting the movement of said latch bolt in response to the actuation of said spring.

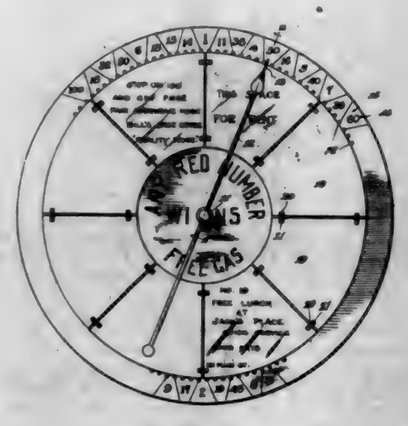
1,538,966. VALVE. CLEMENTE L. ARAGON, Maitland, Colo. Filed Mar. 25, 1924. Serial No. 701,804. 2 Claims. (Cl. 251—121.)



1. A valve device for a gas engine comprising a cylindrical body provided with an externally threaded portion, said portion provided with a pocket and a passage leading axially from the pocket upwardly through the body, a tube extending through said passage and having its inner end provided with an annular flange seated in said pocket of the threaded portion, an apertured cap casing threaded at one end upon said threaded portion, and a ball in said cap casing movable longitudinally therein between the aperture of the cap and pocket of said body.

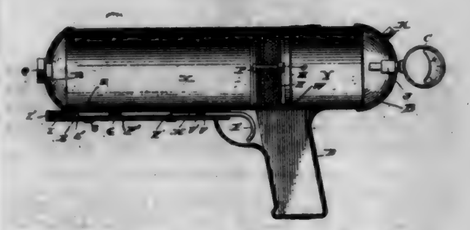
1,538,967. ADVERTISING GAME. EDWIN A. BOARDMAN, Centralia, Wash. Filed Aug. 17, 1923. Serial No. 657,940. 5 Claims. (Cl. 273—141.)

1. An advertising game including a game board having a series of pegs upstanding therefrom, a series of numbers upon the game board identifying said pegs, a revoluble pointer carried by the board and provided at one end with a flexible tip to cooperate with the pegs, a series of advertising cards removably mounted upon the board and bearing numbers comprised in said series of numbers, shields overlying said cards, screws



threaded into the board between the cards, and bowed spring clamps swiveled upon said screws to bear at their ends against said shields holding the shields and said cards in position.

1,538,968. FIRE EXTINGUISHER. GEORGE W. BURKE, Jr., Dayton, Ohio. Filed Dec. 3, 1920. Serial No. 428,006. 4 Claims. (Cl. 299—92.)

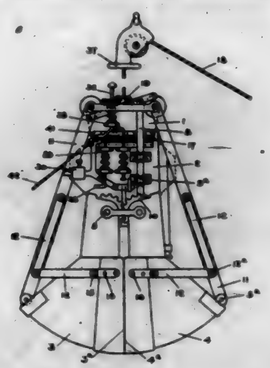


1. A fire extinguisher comprising a horizontal fluid container of general cylindrical shape, a pistol grip attached thereto at a point inward of the ends thereof, the length of said container being substantially equal to the length of the fire extinguishing, a trigger located adjacent to and in front of the grip, means for causing an expelling force on the fluid in the container, and a valve beneath the forward portion of the fluid container adapted to be operated by said trigger to release the fluid in the container.

1,538,969. GRAB. NORMAN IVAN DURBRIDGE BURKE, Auckland, New Zealand, assignor of one-half to Thomas Philip Somerville, Auckland, New Zealand. Filed Jan. 5, 1924. Serial No. 684,644. 3 Claims. (Cl. 37—186.)

1. In a grab of the type operated by a single rope or chain on the block and tackle principle, an upper sheave block, a lower sheave block, a frame below the latter, a pair of gravity catches pivoted on the frame and adapted to engage the lower block for securing the frame and block together, a latch engageable with one of said catches for temporarily securing the same against move-

ment, a roller arranged on the latch, a sliding rod mounted on the lower block and having an arm engageable with said roller for temporarily preventing the move-



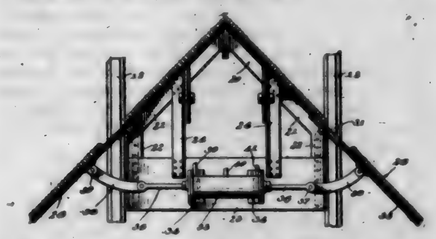
ment of the latch, a spring surrounding said rod for normally holding said arm in position to prevent the actuation of the latter, and an actuating member for the latch arranged on the upper block.

1,538,970. CLOTHESPIN. REDMOND E. BUSBY, Allen, Okla. Filed Nov. 1, 1924. Serial No. 747,296. 3 Claims. (Cl. 24—253.)



2. A clothes pin, comprising a pair of channel-shaped jaws arranged back to back, ears struck from the flanges of each jaw and bent towards the opposite jaw, a pivot pin connecting the ears of the two jaws, and a spring for normally throwing the jaws into closed position.

1,538,971. BALLAST-DRESSING MACHINE. SOLON FRANCIS CLAPP, Temple, Tex. Original application filed Aug. 4, 1922, Serial No. 579,678. Divided and this application filed Sept. 11, 1923. Serial No. 662,149. 2 Claims. (Cl. 15—78.)



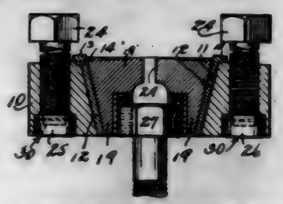
2. A sweeper unit for railroad tracks, comprising a V-shaped frame, a wing hinged to each end of the V-shaped frame, a cylinder supported by said frame, a pair of pistons for said cylinder, connections between said wings and pistons, and means whereby an expansible fluid may be utilized for reciprocating said pistons and thereby enabling said wings to be swung outwardly and inwardly.

1,538,972. ELECTRIC HEATER. OTTMAR CONRADTY, Nuremberg, Germany. Filed Feb. 17, 1925. Serial No. 9,876. 2 Claims. (Cl. 201—63.)



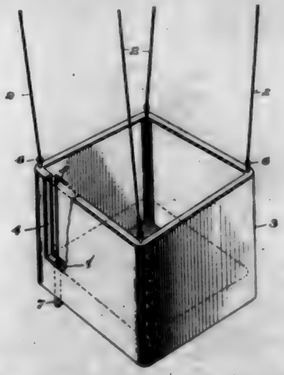
1. As new articles of manufacture, electric resistances with a coating of metallic chromium on the ends thereof.

1,538,973. BOLT-PULLING DEVICE. FRANK C. COURSON, Altoona, Pa. Filed Sept. 23, 1922. Serial No. 590,196. 3 Claims. (Cl. 29—86.1.)



1. A bolt pulling device comprising a head having a central inclosed opening provided with downwardly and inwardly inclining end walls, and also having threaded openings terminating in enlarged socket portions open at the bottom face of the body, said openings being located between the said inclined walls of the central opening and the ends of the body, screws adapted to be inserted in said threaded openings having swivelled bearing feet arranged in said sockets, and bolt-head clamping portions detachably fitted in said central opening and cooperating with the inclined walls to grip the bolt-head upon the upward movement of the body.

1,538,974. WATER BALLAST FOR BALLOONS. HARRY C. CRAY, Dayton, Ohio. Filed May 29, 1923. Serial No. 642,257. 2 Claims. (Cl. 244—30.)

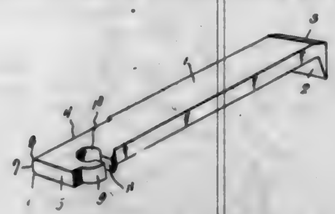


1. An observation basket for balloons and the like having the upright walls thereof comprised of spaced partitions to provide a ballast tank, and valve means associated with the tank.

1,538,975. SAW-SET GAUGE. RAYMOND K. CROMER, Jefferson, Tex., assignor of one-half to J. E. Vaughan, Jefferson, Tex. Filed July 14, 1924. Serial No. 725,917. 1 Claim. (Cl. 76—71.)

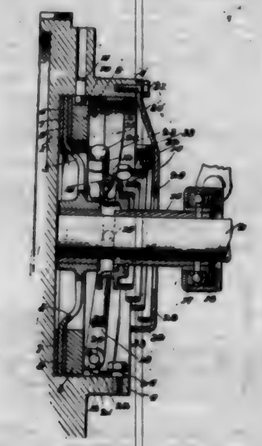
A saw gauge comprising a flat metal bar, one longitudinal edge of which constitutes a straight-edge for slidably contacting the body portion of the saw blade, the outer end of said straight edge being formed with a

plurality of beveled surfaces for gauging the set of the saw teeth, said beveled surfaces being comparatively short and disposed in longitudinal alinement with the longitudinal axis of the bar, the beveled surfaces merg-



ing into each other and the degree of bevel of the surfaces varying with respect to each other, and a notch formed in the last-named edge of said bar and providing a clearance space between the straight-edge proper and said teeth gauging bevels.

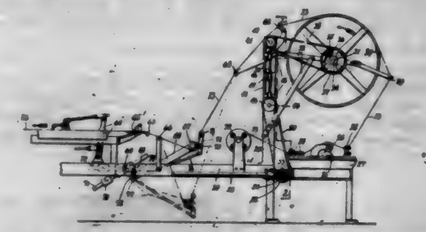
1,538,976. CLUTCH. FRANCIS S. DENNEEN and COURTNEY N. MITCHELL, Cleveland, Ohio. Filed Nov. 4, 1920. Serial No. 421,747. 12 Claims. (Cl. 192—68.)



3. In a clutch, the combination with driving and driven elements having cooperating clutch members, of clutch-actuating means comprising a plurality of levers for operating said clutch members, a closure member for said clutch members, a ring mounted independently of said closure member, and means coacting with said ring to provide adjustment of the fulcrums of said levers by the rotation of said ring with respect to said levers.

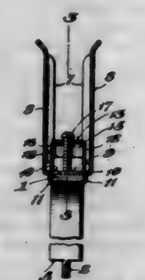
1,538,977. PAPER-FEED DEVICE. MARTIN FEYBUSCH, New York, N. Y., and PAUL W. FLEISCHER, Weehawken, N. J., assignors to New Jersey Machine Corporation, Hoboken, N. J., a Corporation of New Jersey. Filed Oct. 17, 1921. Serial No. 508,355. 5 Claims. (Cl. 271—24.)

1. In a device of the class described, a frictional feed member moving continuously in one direction, intermittently feeding mechanism to which said member delivers the material fed, a movable tension device engaging the material between said member and said intermittently feeding mechanism to normally pull said material into feeding engagement with said member, said tension device comprising a pivotally mounted lever having a roller for engaging said material mounted thereon at a substantial distance from the pivotal point of said lever,



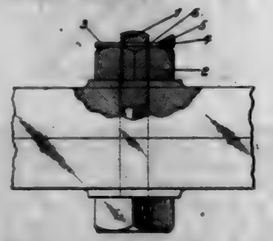
and a counter balancing weight connected with said lever and a stop to arrest said tension device so as to discontinue the feeding engagement of the material with said frictional feed member.

1,538,978. MATCH-BOX HOLDER. ROBERT G. FLEMING, Newark, N. J., assignor to The Smokador Manufacturing Company Inc., Bloomfield, N. J. Filed Apr. 17, 1924. Serial No. 707,078. 10 Claims. (Cl. 206—20.)



6. A device for attaching match box holders to supports without perforation of the latter, including in combination with a support having opposed edges and a match box holder seated on the support, means in the holder having parts engaged with said opposed edges of the support and a screw for forcing the holder against the support and for simultaneously causing said parts to be engaged with and against the respective opposite edges of the support.

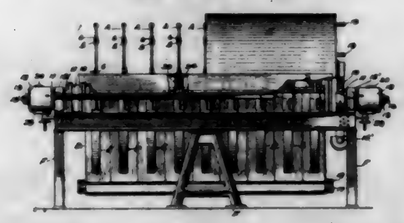
1,538,979. LOCK WASHER. JOHN E. FOX, St. Louis, Mo. Filed July 16, 1923. Serial No. 651,782. 1 Claim. (Cl. 151—30.)



A detachable and replaceable lock washer comprising a body portion having a hole therethrough to receive the end of a bolt and having a notch therein extending from the hole toward one side edge, a relatively long bendable tongue integral with the outer side edge of the body portion beyond the end of said notch and in alignment with said notch and adapted to be bent over and downwardly

in inverted relationship in which the inner end is in said notch and in engagement with the threads of the bolt and the outer portion near the edge of the body is raised and forms an engageable portion above the body for engagement in releasing the tongue from the bolt.

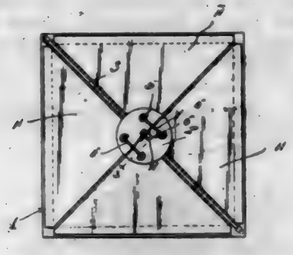
1,538,980. CONTINUOUS VACUUM FILTER. ALBERT LEGRAND GENTER, Salt Lake City, Utah, assignor to United Filters Corporation, Salt Lake City, Utah, a Corporation of Delaware. Filed Apr. 9, 1918. Serial No. 227,519. 30 Claims. (Cl. 210—200.)



1. A filtering apparatus having a rotatable shaft, a plurality of filter discs supported thereon in spaced relation to one another, and a tank in which said discs rotate, said tank including a chamber extending longitudinally of the shaft and adapted to receive the discs collectively, and a plurality of longitudinally spaced chambers communicating with said unitary chamber and adapted to receive the discs individually.

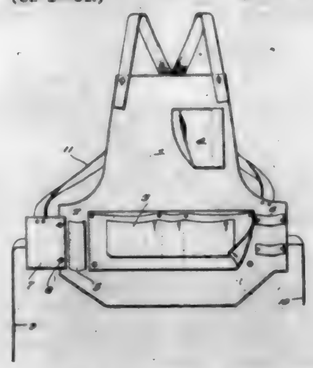
2. In a filtering apparatus, a central shaft including a plurality of conduits extending the length of said shaft and located around the same, means to space said conduits radially from said shaft, and a plurality of independent filter disks detachably mounted upon said shaft surrounding said spacing means and including a plurality of sections communicating with said conduits.

1,538,981. RODENT TRAP. WILLIAM GILLINGHAM, Wheeling, W. Va. Filed Aug. 29, 1924. Serial No. 734,851. 2 Claims. (Cl. 43—70.)



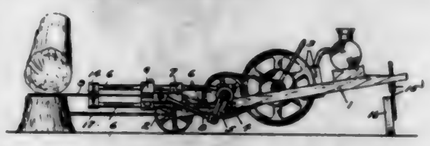
1. An animal trap comprising a substantially rectangular frame, a plurality of substantially triangular doors pivotally connected to the side bars of the frame, a discular plate supported at the center of the frame and having its peripheral edge overlying the inner ends of the doors to limit the upward swinging movement thereof, a pair of shafts mounted in bearings upon said plate, said shafts being provided at their outer ends with catches engaging the inner ends of said doors, bait hooks connected with said shafts for rotating them in one direction, spring means connected to the shafts for rotating them in an opposite direction, and spring means cooperating with the doors for automatically returning them to set position after each operation.

1,538,982. MECHANIC'S APRON. ELI GRANT GLOVER, Kaw, Okla. Filed Mar. 8, 1924. Serial No. 697,792. 1 Claim. (Cl. 2—51.)



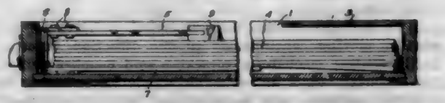
A mechanic's apron comprising a body adapted to be disposed over the breast and abdomen of the wearer, said body having opposed side flap portions adjacent its bottom adapted to be disposed over the hips of the wearer, a plurality of horisontally aligned tool holding pockets disposed between and in alignment with said flap portions, a separate piece of material detachably connected with one of said flap portions, shoulder straps connected at their upper end with the corresponding end of said body, and crossing each other between their ends and connected at their lower ends with said piece of material and one of said flap portions, and body encircling straps connected with said piece of material and said last named flap portion respectively.

1,538,983. TREE-FELLING ATTACHMENT FOR PORTABLE SAWS. JOHN F. GORMAN, San Francisco, Calif. Filed Aug. 11, 1921. Serial No. 491,562. 3 Claims. (Cl. 143—68.)



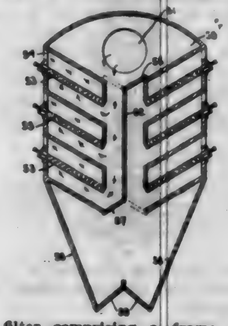
1. A tree felling mechanism comprising a portable frame, a support at one end of said frame to act as a fulcrum, the said frame having a ground wheel support at the other end to permit its lateral movement, saw operating mechanism on said frame, and means for attaching and holding a saw blade operatively in a horizontal plane and projecting forwardly from said frame, whereby the movement of said frame laterally at one end operates to feed said saw laterally in a horizontal plane, substantially as described.

1,538,984. FILING TRAY. HARRY C. GOWRAN, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Nov. 16, 1923. Serial No. 675,083. 4 Claims. (Cl. 129—26.)



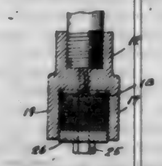
1. The combination with a tray; of a depressor inclusive of three substantially parallel sections arranged abreast with the intermediate section formed of flexible material in hinged connection with the end sections which are formed as boards, the width of the intermediate section approximating the depth of the tray; and a weighting border upon the front end of the front section of said depressor.

1,538,985. GAS-CLEANING APPARATUS. OSCAR V. GREENE, Cleveland, Ohio. Filed Aug. 17, 1921. Serial No. 493,160. 7 Claims. (Cl. 183—59.)



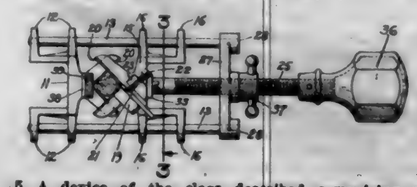
1. A gas filter comprising a frame, a plurality of relatively coarse woven wire screens mounted therein under tension; a plurality of other finer screens mounted upon and between said tensioned screens, and means adapted to jar said screens.

1,538,986. CIRCUIT INTERRUPTER. TALMA T. GREENWOOD, Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Sept. 1, 1922. Serial No. 585,670. 17 Claims. (Cl. 200—166.)



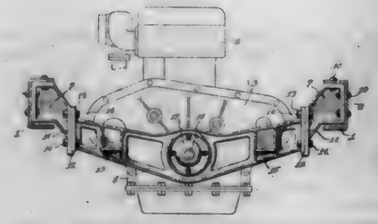
16. In an electric switch, the combination of a brush holder having a bottom wall and spaced side walls, a brush member carried by said holder on the bottom wall and between the side walls thereof, said brush member having laminæ formed with reflexed lateral portions, and clamping means including bolts passed through said brush member and threaded in said brush holder and a pressure plate disposed between said bolts and the brush member arranged to force the reflexed lateral portion of the laminæ of said brush member into edgewise contact with the side walls of said holder.

1,538,987. WOODEN-DOWEL-PIN CUTTER. MARCUS GULLHOLM, St. Paul, Minn. Filed Oct. 1, 1924. Serial No. 741,008. 6 Claims. Cl. 142—56.)



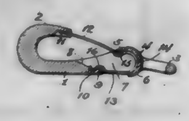
5. A device of the class described comprising relatively movable jaws, each composed of a series of diverging fingers arranged in groups, the fingers of the same group being spaced apart in parallel relation and the fingers of one jaw being adapted to pass between the opposite fingers of the other jaw and thereby provide a comparatively wide range of adjustment to increase or decrease the size of the opening between the jaws, said jaws being adapted to slide upon the stick as it is rotated between them and having a plurality of guiding bearings on the surface of the stick, and a knife blade having a cutting edge mounted to engage and turn the stick to a form circular in cross-section as it is rotated.

1,538,988. MOTOR-SUSPENSION SUPPORT. JOHN C. HAGGART, Jr., Alma, Mich., assignor, by mesne assignments, to Detroit Patents Holding Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 26, 1923. Serial No. 664,878. 1 Claim. (Cl. 180—64.)



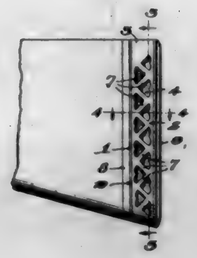
In a vehicle chassis wherein an engine is supported with its crank shaft below the plane of the chassis, a transverse supporting member comprising fixedly held chassis parts extending inwardly and downwardly from the sides of the chassis, a detachable interposed part connecting said fixedly held parts, said interposed part being of the eye beam construction with its rear face affording a trunnion for the engine, and a starter shaft bearing carried by the front face of said interposed part.

1,538,989. SNAP HOOK. HORACE G. HANCOCK, New Britain, Conn., assignor to North & Judd Manufacturing Company, New Britain, Conn. Filed May 21, 1924. Serial No. 714,932. 3 Claims. (Cl. 24—233.)



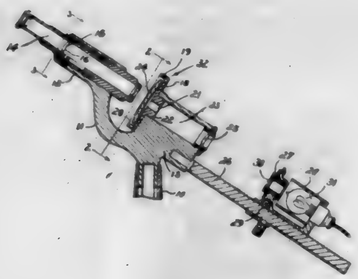
3. A snap hook comprising a body having a web constituting its back end, said web having a concave front face, a transverse inturned lip at the upper forward end of said web, the body having a longitudinal slot in front of the web, a transverse bead at the lower end of the front wall of the slot and a transverse groove in said wall immediately in front of said bead, and a tongue consisting of a spring strip doubled on itself and having its bight seated snugly in the concave face of said web, there being a transverse kink in the upper branch of the spring to be engaged by said transverse inturned lip, and the lower branch of the spring terminating in reverse bends engaging over said bead and in said groove respectively.

1,538,990. RECOIL PAD. FRANK D. HAWKINS, Sioux Falls, S. Dak. Filed Nov. 10, 1924. Serial No. 748,954. 5 Claims. (Cl. 42—74.)



1. In a rubber recoil pad for gun stocks, a pair of sections each having spaced inner and outer walls, solid end parts connecting the walls, cellular connections between the walls, a central soft rubber strip interposed between the inner sides of the sections and engaged therewith, and inner and outer rubber strips secured to the respective inner and outer walls and to the inner and outer longitudinal edges of the central strip.

1,538,991. ATTACHMENT FOR LENS-EXAMINING INSTRUMENTS. HARRY W. HILL, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 8, 1923. Serial No. 673,517. 2 Claims. (Cl. 88—56.)



1. In an optical instrument of the character described, means for determining the optical center of a lens, and a lens carrier placed in the field of said means, comprising a holder for the lens allowing a determined amount of play between the holder and the edges of the lens, and an aperture in line with the optical center determining means.

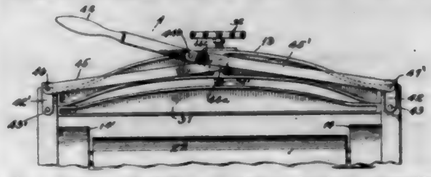
1,538,992. FLASH LIGHT AND RECHARGING DEVICE FOR THE BATTERY THEREOF. NEVIL MONROE HOPKINS, New York, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed Dec. 20, 1920. Serial No. 432,021. 9 Claims. (Cl. 240—8.5.)

1. A portable electric lighting device comprising an electric lamp and a storage battery in circuit therewith having a vent, in combination with means for charging said battery, and means adapted to electrically connect said charging means to said storage battery only when



the vent of said battery is arranged so as to prevent discharge of electrolyte therefrom during the gassing incidental to charging.

1,538,993. CLOTHES WRINGER. LOUIS JUDELSON, New York, N. Y. Filed Apr. 22, 1922. Serial No. 555,947. 2 Claims. (Cl. 68—32.)



2. A wringer including a frame having supporting standards, a shaft journalled in said standards and carrying a wringing roller, a second shaft arranged above the first shaft carrying a wringing roller, springs bearing on said second shaft, a tension bar extending between said standards and having its end bearing on said springs, an upper cross-bar arranged between the standards and located above the tension bar, releasable means pivotally mounted on relatively stationary parts of the wringer for securing the cross bar in fixed position with respect to said parts, means positioned between the cross bar and the tension bar for adjusting the effective compression of the springs, and a single means for simultaneously releasing and re-setting said first mentioned means.

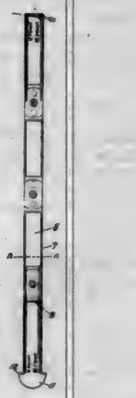
1,538,994. MOUNTING STRUCTURE. CARL H. KAMM, Two Rivers, Wis., assignor to Hamilton Manufacturing Company, Two Rivers, Wis., a Corporation of Wisconsin. Filed Oct. 20, 1923. Serial No. 669,857. 1 Claim. (Cl. 248—41.)



A mounting structure including an elongated block having an angular recess formed in and extending along

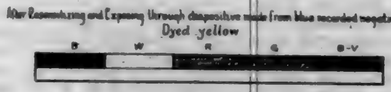
one long side thereof, a second angular recess formed in and extending along an adjacent long side of this block, the bases of these recesses being in angular relation and having a common dividing edge extending along the block; a second elongated block received in the first recess of the first block and itself having an angular recess formed in and extending along one of its long sides and whose base is substantially in the plane of the base of the second angular recess in the first block whereby the angular recess in the second block constitutes a widening continuation of the second angular recess in the first block, the wall of the recess in the second block that is angular to the base of this recess overhanging this recess base; the base of the second recess of the first block and the base of the recess in the second block sloping backwardly and a coiled spring structure anchored to the two blocks and extending across the base of the first recess in the first block.

1,538,995. TYPESETTER'S SCALE. LADISLAS LAKATOS, New York, N. Y. Filed Mar. 27, 1922. Serial No. 547,024. 3 Claims. (Cl. 33—105.)



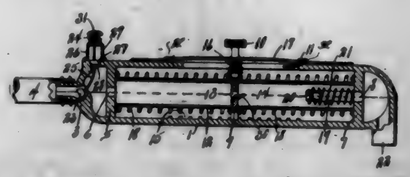
1. In a printer's rule, in combination, two or more longitudinal sections of equal lengths arranged with adjacent ends overlapped, pivots connecting said overlapped ends and lying flush with the outer faces thereof whereby the sections may be folded flat one upon the other, means in connection with said sections for automatically locking them either in extended position or in folded position, each one of the sections alongside each of its longitudinal edges being provided with a different printer's scale adapted to measure a different size of printing type.

1,538,996. COLOR PHOTOGRAPHY. LEOPOLD D. MANNES and LEOPOLD GODOWSKY, Jr., New York, N. Y. Filed Oct. 4, 1921. Serial No. 505,266. 4 Claims. (Cl. 95—2.)



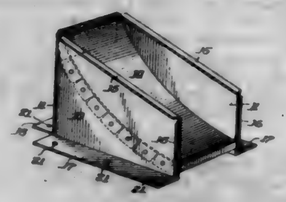
1. The method of producing a color photograph from suitable color selection negatives which consists in first forming one color image within the body of a layer of material containing a light-sensitive substance by the action of a portion only of said substance, then forming a second color image within the same layer of material by the action of a further portion of the light-sensitive substance, and thereafter resensitizing said layer of material and producing a third color image in the body of the same layer of material by the action of the resensitizing substance.

1,538,997. AIR GAUGE AND AUTOMATIC SIGNAL FOR PNEUMATIC TIRE FILLERS. JONAS E. MAPLES, Fort Worth, Tex. Filed May 26, 1923. Serial No. 641,568. 3 Claims. (Cl. 152—11.5.)



1. A combined filling and testing device for inflating pneumatic tires comprising a casing provided with a partition at its receiving end and a partition near the discharge end and passages through said partitions, said casing having a longitudinal slot in one side and a scale adjacent to said slot and having a rack in the interior of the other side, a perforated-spring-actuated gauge movable in said casing to be spaced nearer to or further from said partitions to be determined by the quantity of pressure required, elastic tubes attached to said gauge and to said partitions constituting the passage for air between said partitions, said gauge being held in position by said rack, a flexible testing tube in said passage at said discharge end attached to the partition and provided with a valve, and a lug carried by said gauge adapted to open said valve for testing purposes.

1,538,998. VEHICLE STAY BLOCK. CHARLES L. MICHOD, Chicago, Ill., assignor, by mesne assignments, to E. S. Evans & Company, Incorporated, Detroit, Mich., a Corporation of Delaware. Filed Feb. 8, 1924. Serial No. 691,339. 8 Claims. (Cl. 188—32.)

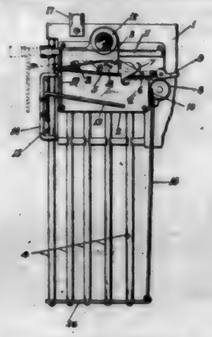


1. In a device of the class described, a box shaped member having its top and one end open, means adapted to fasten said member to a floor, and a transverse member connecting the side walls of the member and forming, with the open ends of the side walls, a receptacle adapted to receive a portion of a vehicle wheel when the wheel stands in upright position on the floor.

1,538,999. MAIL-MARKING MACHINE. JOHN A. MITCHELL, Newark, N. J., and LAWRENCE J. ZAHN, Long Island City, N. Y., assignors to The International Postal Supply Company, Brooklyn, N. Y. Filed May 13, 1924. Serial No. 713,094. 8 Claims. (Cl. 271—87.)

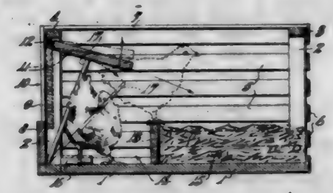
1. In a stacker mechanism for a mail marking machine, a mail stop member, a longitudinally slidable member

carrying said stop member, and another member having first a sliding motion and then a rotary motion for



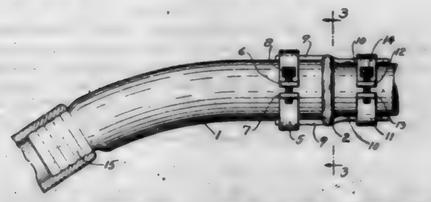
moving said longitudinally slidable member and said stop member.

1,539,000. TRAP NEST. ALBERT NEWTON PETERS, Crane, Mo. Filed Jan. 8, 1924. Serial No. 685,027. 3 Claims. (Cl. 119—49.)



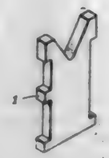
3. A convertible trap nest comprising a housing having an entrant end, a division board positioned for dividing the housing into a rear nest confining space and a front space of size permitting free walking about and inspection by the hen, a trap door swingably connected to the top of the entrant end, the said door being of a length for terminating at a point between the entrant end and the division board to restrict the passage thereover when the said door is held open or set, means preventing the outward movement of the door when closed, means for holding the door to its open or set position and automatically releasable upon contact of the hen with the door in passing over the division board, said holding means being adjustable for holding the door at varied set positions and for wedge-securing it to the locked-opened position when desired.

1,539,001. EMERGENCY CONNECTION. JOHN P. STEEPLE, Seattle, Wash. Filed Apr. 13, 1922. Serial No. 552,141. 1 Claim. (Cl. 285—82.)



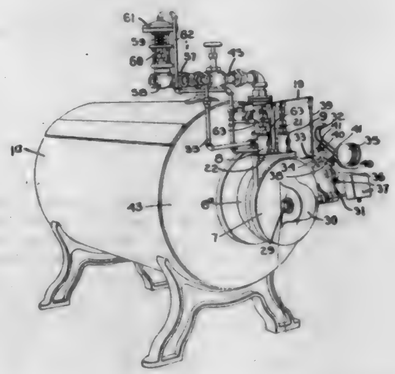
A coupling comprising a piece of flexible tubing having a bead with slots through it around the exterior of one end, an adjustable clamp with arms extending from it through the slots in the bead and inside of the bead, and another clamp attached to the outer ends of the arm, said arms having teeth, the points of which slant toward the coupling, on the inner surfaces of their outer ends.

1,539,002. LOW-QUAD MATRIX. ADAM G. TRASOK, ALEXANDER L. RILEY, and OLIVER C. FORTUNE, Kansas City, Mo. Filed Oct. 31, 1921. Serial No. 511,673. 3 Claims. (Cl. 199—47.)



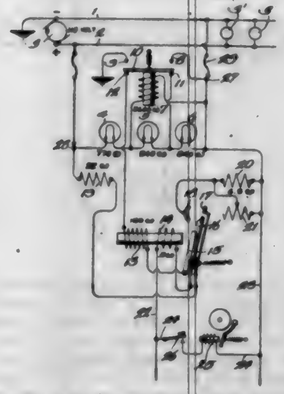
1. The combination with a mold cavity and a guide groove in horizontal alinement therewith; of a quad matrix consisting of a metallic plate of uniform thickness throughout and having a type mold confronting edge provided intermediate its ends with a lateral projection formed integrally with the matrix and immovable with respect thereto, said projection being adapted to completely fill the width of the mold space of a type mold when the matrix is applied thereto, the guide groove in the mold plate being of greater cross sectional dimensions than the intermediate projection whereby said intermediate projection fits freely therein.

1,539,003. STEAM TRAP. WILLIAM R. TEMPLETON, Roslindale, Mass. Filed May 25, 1922. Serial No. 563,561. 1 Claim. (Cl. 137—101.)



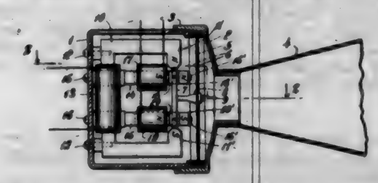
In a steam trap, the combination with a casing having an inlet and an outlet, of a hollow head member separate from the casing but secured to one end thereof and provided with a valve-supporting portion, a rock shaft journalled in the head member, a float arm rigid with the rock shaft and having a float thereon operating in the casing, a unitary valve device removably secured to said valve-supporting portion and comprising a base resting on the valve-supporting portion and two separate valve casings rising from the base, a steam valve in one valve casing controlling the admission of steam to the first-named casing, a vent valve in the other valve casing for venting the first-named casing, a post rising from the base between the valve casings, a lever pivoted to said post, a connection between said lever and each valve, whereby the valves operate simultaneously but oppositely, and means for operating said lever by the movement of the float.

1,539,004. SYSTEM OF ELECTRIC-CURRENT DISTRIBUTION. CHARLES A. TURNER, Madison, Wis., assignor to Gisholt Machine Company, Madison, Wis., a Corporation of Wisconsin. Filed May 26, 1924. Serial No. 715,943. 2 Claims. (Cl. 177—7.)



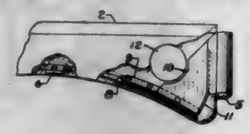
1. A system of electric current distribution including a source of current; supply mains in circuit with said source of current; a sectional resistance in bridge of the mains and including two sections in series; a relay having an energizing winding and a holding winding and having a conductor connecting one terminal of the energizing winding between said resistance sections, the armature switch of the relay having one contact connected with the remaining terminal of the energizing winding, two additional contacts, and an added contact connected with one main and connectable with said additional contacts when the relay is energized, one of the additional contacts being connected with one terminal of the holding winding and normal to the first relay contact and separable therefrom when the relay is energized; a second resistance in circuit between the other of these additional contacts and the other main; a third resistance in circuit between said added contact and the main with which this contact is connected; a supply conductor connected through the holding winding with the second resistance and the main with which the second resistance is connected when the relay is energized; a second supply conductor connected with the other main, the second and third resistances being connected serially and together in shunt of the sectional resistance when the relay is energized; a responsive device; and a switch in series with the responsive device and with the holding winding for connecting the supply conductors through said responsive device and holding winding, the responsive device and holding winding being in shunt of the third resistance when this switch is closed and the relay is energized.

1,539,005. TELEPHONE RECEIVER. CHARLES E. VAWTER, Philadelphia, Pa. Filed May 23, 1922. Serial No. 562,962. 8 Claims. (Cl. 179—119.)



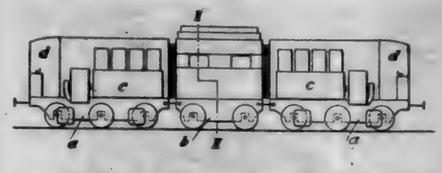
1. A device of the character described comprising a diaphragm, an armature directly connected thereto and freely suspended therefrom, a magnet at each end of said armature for exerting a magnetic force on said armature at right angles thereto, each of said magnets having two poles on opposite sides of the armature, and means separate from said magnet for strongly magnetizing said armature.

1,539,006. WINDSHIELD BASE. MAX F. WOLLERING, Highland Park, Mich., assignor to The Studebaker Corporation, Detroit, Mich., a Corporation of New Jersey. Filed Aug. 2, 1923. Serial No. 655,354. 9 Claims. (Cl. 296—84.)



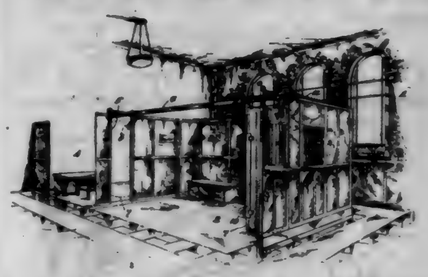
1. A windshield base formed from sheet metal into a substantially hollow shell having inwardly projecting flanges at the open end thereof, and members extending across the open end of said base and secured to said flanges to reinforce said base and provide means for securing said base to a support.

1,539,007. INTERNAL-COMBUSTION-ENGINE LOCOMOTIVE. EUGEN ZEINDEN, Bern, Switzerland, assignor to Sulzer Freres Societe Anonyme, a Corporation of Switzerland. Filed Dec. 5, 1924. Serial No. 754,084. 2 Claims. (Cl. 105—62.)



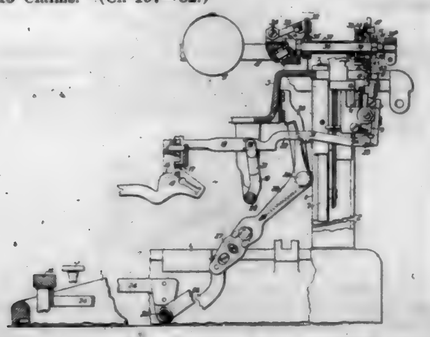
1. In an internal combustion engine locomotive the combination of at least two vehicle units, an internal combustion engine carried on each of said units, a separate vehicle unit arranged centrally between said engine-carrying units and constituting a tender therefor and couplings between said engine and tender units.

1,539,008. BANK AND CAR PROTECTIVE DEVICE. JOSEPH ZOLOTAR, Detroit, Mich. Filed Jan. 12, 1925. Serial No. 1,753. 5 Claims. (Cl. 20—1.01.)



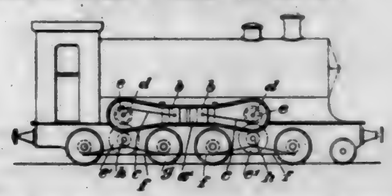
1. In combination with an enclosure having openings on opposite sides thereof, protective means against intruders, comprising a casing adapted for the enclosing of a marksman, said casing having restricted firing openings therein, and means extending between said openings movably supporting said casing whereby its location may be affected at one or other of said openings.

1,539,009. TYPEWRITING MACHINE. EDWIN E. BARNEY, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed July 12, 1923. Serial No. 650,996. 15 Claims. (Cl. 197—82.)



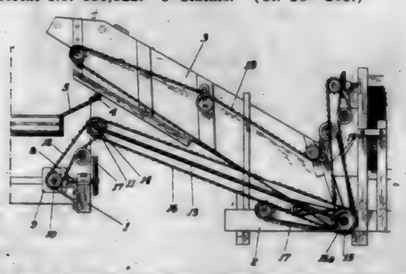
4. In a typewriting machine, the combination of a power driven carriage; an escapement mechanism which permits letter feed advance of the escapement relatively to the carriage, comprising a single escapement wheel that turns on a fixed axis, feed dogs that coact therewith, and means adapted to bring about a complete letter space advance of the escapement wheel ahead of a complete letter feed of the carriage by a power independent of that employed to move the carriage.

1,539,010. DRIVING GEAR FOR VEHICLES. JACOB BUCHLI, Baden, Switzerland. Filed Apr. 17, 1924. Serial No. 707,223. 1 Claim. (Cl. 105—37.)



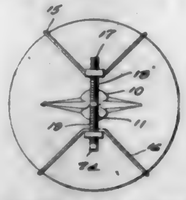
In a driving gear for vehicles, opposed pistons in common cylinders, the piston pressures of which act symmetrically to the centres of the cylinders through toothed wheels and connecting rods, the toothed wheels fitted on the crankshafts meshing with corresponding toothed wheels fitted on idle shafts at both ends of the cylinders, these shafts being connected to each other and to the driving wheels of the vehicles by means of coupling rods.

1,539,011. HEADER DRIVE MECHANISM. GEORGE H. HARRIS, Stockton, Calif. Filed July 9, 1923. Serial No. 650,322. 6 Claims. (Cl. 56—209.)



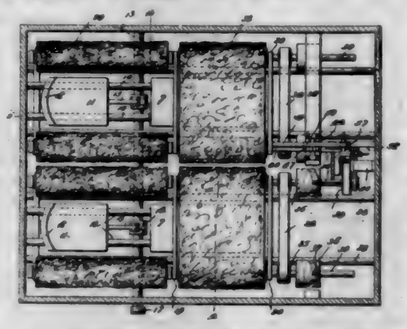
1. In a harvester having a thresher and a header projecting from one side thereof, a connecting bar pivoted on the thresher and on the header, a chain drive between the thresher and header having sprocket wheels concentric with the pivotal connections of the bar, and driving means for the header parts driven in common from the sprocket wheel on the header.

1,539,012. JAR-LID SEALER. WALTER H. HARTMAN, Jordan, Minn. Filed Apr. 16, 1924. Serial No. 706,914. 1 Claim. (Cl. 215—38.)



In a jar lid fastener of the character described, a member surrounding the neck of the jar, a pair of bails pivotally secured to the member at opposite points thereon, a bolt adapted to be arranged upon the jar lid and formed with oppositely extended threads at its ends, a nut engaged with one thread of the bolt and having an opening through which extends one bail, and a second nut having a hooked extension for engaging the other bail and adapted to be received on the other thread of the bolt.

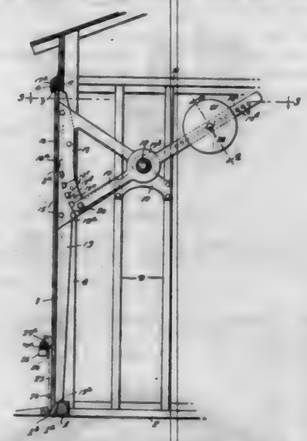
1,539,013. SHOE-POLISHING MACHINE. WALTER L. LIGHTSEY, Chicago, Ill. Filed Oct. 11, 1923. Serial No. 667,990. 5 Claims. (Cl. 15—97.)



1. In a polishing machine of the class described, a casing having a pair of foot rests mounted therein and provided with top openings through which shoes may be inserted for positioning upon said foot rest, a polishing device associated with each foot rest and embodying endless travelling polishing elements disposed at opposite sides of the rear portion of each foot rest, said polishing devices each also including an endless polishing element disposed to travel transversely of the forward portion of the shoe disposed upon the adjacent foot rest, means for imparting travelling movement to the polishing elements including rollers about which said polishing elements pass, and common shafts upon which said rollers are stationed, and means to automatically cause longitudinal reciprocating movement of the polishing devices relative to the foot rest.

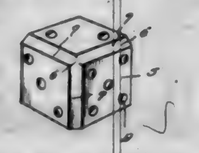
1,539,014. GARAGE DOOR. HERMAN N. MATHEN, Cleveland, Ohio. Filed Aug. 21, 1922. Serial No. 583,178. 3 Claims. (Cl. 20—16.)

1. The combination with a building having a doorway and a lintel above such doorway, said lintel having a strip of yieldable material along the lower edge thereof and a beveled seat along the inner edge thereof, and a door pivotally supported within said doorway, said door having a transverse member along its upper edge



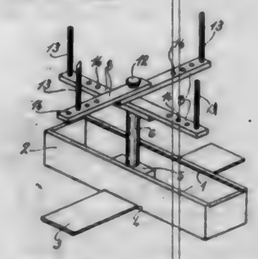
provided with a beveled seat adapted to engage the beveled seat of said lintel, said door being adapted to engage said yieldable material in full opened and full closed positions.

1,539,015. DICE. PAUL MITCHELL, Hampton Roads, Va. Filed Sept. 10, 1923. Serial No. 661,826. 1 Claim. (Cl. 273—146.)



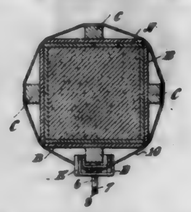
A playing dice comprising a cube having arbitrary symbols upon its faces, all of the corners of said cube being chamfered from end to end to provide beveled merging surfaces of uniform width to facilitate rolling of the dice upon a surface, the faces of the aforesaid symbols being flush with a corresponding faces of the cube to assist in the free rolling of the dice.

1,539,016. REEL. SAKUBO MIZUNO, Shimizu City, Japan. Filed Aug. 20, 1924. Serial No. 733,211. 1 Claim. (Cl. 242—115.)



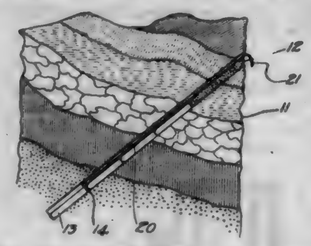
In a reel, a box having a groove in the bottom thereof, a cover plate for the box engageable in said groove, a base member arranged in the box, a prop detachably engaged in said base member, a pin carried by the upper end of the prop, a hollow bolt detachably engaged with said pin, said bolt including a flange and a nut, four arms clamped by the flange and nut, a pin carried by the flange and engaging one of the arms, said arms having a plurality of openings having outer ends thereof and studs detachably engaged in said openings, said prop, arms, bolt, and studs being adapted to be housed in the box when the reel is not in use

1,539,017. CONCRETE-FORM HOLDER. ROSS W. MORRISON, Washington, D. C. Filed Feb. 9, 1925. Serial No. 7,990. 8 Claims. (Cl. 24—68.)



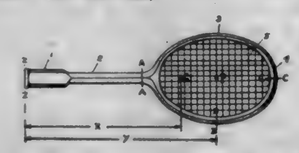
1. In a tying apparatus of the class described, the combination of a form engaging member and a rotatable member carried thereby, form embracing means secured to the rotatable member, and a member movable upon said rotatable member and adapted to engage the form engaging member for preventing the rotation of the rotatable member.

1,539,018. FUSE FOR USE WITH LIQUID-OXYGEN EXPLOSIVES. CHESTER MOTT, LUTHER E. BEDORTHA, and ROBERT J. KILLGORE, Denver, Colo., assignors, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed Apr. 14, 1924. Serial No. 706,271. 6 Claims. (Cl. 102—6.)



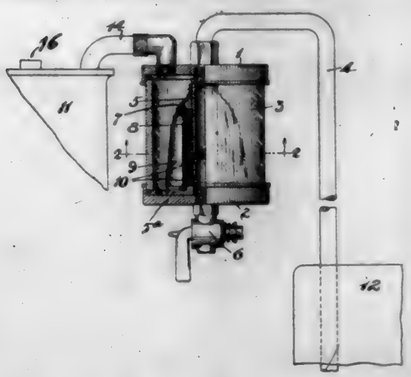
1. A fuse for use with liquid oxygen explosive comprising: a core containing combustible materials; and a heat absorbent sheathing over said core so applied that the gases of combustion can escape therethrough and be cooled thereby as they escape.

1,539,019. TENNIS RACKET. JOHN P. NIKONOW, New York, N. Y. Filed Feb. 7, 1924. Serial No. 691,174. 5 Claims. (Cl. 273—28.)



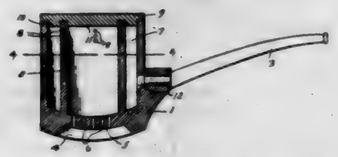
4. In a tennis racket, the combination with an oval, a gut strung in said oval, a handle, an intermediate member connecting said oval with said handle, the weight of said oval being greater than the weight of said handle with said intermediate member, said oval being of a heavier section at the end opposite to said handle.

1,539,020. GASOLINE STRAINER. EMANUEL PAPASTEPANOU, Mount Vernon, N. Y., assignor to Perfection Gas Filter Corporation, Mount Vernon, N. Y., a Corporation of New York. Filed Sept. 27, 1924. Serial No. 740,207. 2 Claims. (Cl. 210—165.)



1. In a gasoline strainer, a housing comprising a top piece, a bottom piece and a cylindrical glass side piece interposed between the top and bottom and held thereby, an upright tube connecting the top and bottom pieces and having a side opening near the lower end thereof, a cylindrical filtering means surrounding the tube and extending from the bottom of the housing to a point near to the top thereof, said filtering means being spaced away from the tube and from the side wall of the housing, a supply inlet leading into the upper end of the tube, a service outlet leading through the top from the space outside of said filtering means, and a drain connected to the bottom of the housing in communication with the space within said filtering means.

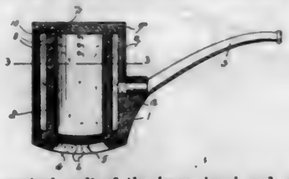
1,539,021. TOBACCO PIPE. WALTER EDWARD A. REITINGER, Paola, Kans., assignor of one-half to Jacob Ertle, Paola, Kans. Filed Apr. 8, 1925. Serial No. 21,530. 1 Claim. (Cl. 131—12.)



In a tobacco pipe, a bowl having a plurality of openings in the bottom thereof and communicating with atmosphere, an annular chamber surrounding said bowl, a cap member removably mounted on said bowl and having an annular flange adapted to seal the said chamber and a plug portion adapted to seal the mouth of the bowl, a plurality of openings in the upper portion of the inner wall of the chamber and communicating with said bowl, and a hollow stem communicating with said chamber.

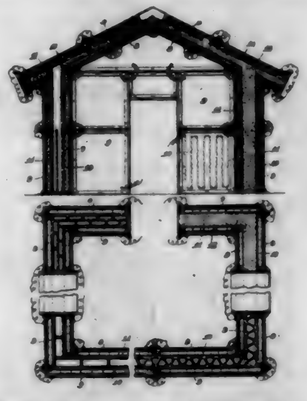
1,539,022. TOBACCO PIPE. WALTER EDWARD A. REITINGER, Paola, Kans., assignor of one-half to Jacob Ertle, Paola, Kans. Filed Jan. 15, 1925. Serial No. 2,650. 1 Claim. (Cl. 131—12.)

In a tobacco pipe, an outer bowl having an opening in the bottom thereof, an inner bowl removably mounted in said outer bowl and having a plurality of openings in the bottom thereof communicating with atmosphere and provided circumferentially with laterally projecting annular flanges forming with the vertical walls of said inner and outer bowls a chamber, a cap member removably mounted on said bowls and having a plug adapted for sealing the mouth of the inner bowl, a plurality of open-



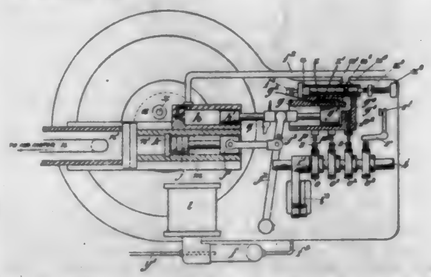
ings in the vertical wall of the inner bowl and communicating with the chamber surrounding said inner bowl, and a hollow stem piercing the wall of said outer bowl and communicating with the chamber surrounding said inner bowl.

1,539,023. METHOD OF CONSTRUCTING BUILDINGS. EDGAR F. ROBERTS, Detroit, Mich. Filed Dec. 4, 1920. Serial No. 428,311. 3 Claims. (Cl. 25—157.)



1. A process of constructing a building which consists in forming a wall in situ and of plastic clay with continuous vertical passages, providing spaced closures about said wall, and burning said wall by means of application of heat applied at the bottom of said vertical passages and between said closures and the outer surface of said wall.

1,539,024. COMBINED INTERNAL-COMBUSTION AND COMPRESSED-AIR ENGINE. ROCHFORT WYBRANTS ROBINSON, Marlow, England. Filed Sept. 27, 1920. Serial No. 413,129. 6 Claims. (Cl. 123—2.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



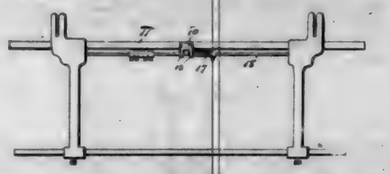
1. A combined internal combustion engine and air compressor including oppositely located internal combustion and air compressor units, a rock shaft common to said units, a main compressed air reservoir in communication with the air compressor, an auxiliary reservoir, an auxiliary piston adapted to be actuated by pressure supplied from said auxiliary reservoir to return the pistons of the internal combustion engine and air compressor to their outward position after their working strokes, a source of fuel supply for the internal combustion engine unit, an air line between the main compressed air reservoir and the internal combustion engine, said air line communicating with the said source of fuel supply and means controlled by the drop of pressure in the main reservoir for supplying a fuel charge to the internal combustion engine unit and igniting the same.

1,539,025. SIGN. DAVID E. SCHAFER and JOHN W. SCHAB, Columbus, Ohio. Filed Apr. 30, 1924. Serial No. 710,049. 2 Claims. (Cl. 40—63.)



1. A sign of the character described including an outer frame consisting of end pieces having inner grooves, one of said end pieces also having a slot therethrough, rods rigidly connecting the end pieces in spaced apart relation, guide pieces supported on the rods between the end pieces and also presenting inner grooves, sign panels and an inner frame or holder having means to detachably support the sign panels and shiftable endwise into and out of the main frame through the said slotted end piece, said holder being disposed within the grooves of the side and end pieces of the main frame and said slotted end piece of the main frame having means to engage and support the holder against accidental displacement.

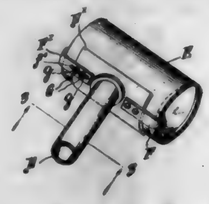
1,539,026. PROTECTOR-ROD HOLDER FOR LOOMS. W. L. STEPHENS, Douglasville, Ga., assignor to M. E. Geer, Douglasville, Ga. Filed Dec. 13, 1922. Serial No. 606,632. 1 Claim. (Cl. 139—345.)



A casting having outstanding flanges at opposite edges on one side, centrally apertured brackets integrally united and projecting from opposite side edges in spaced parallel relation on the other side, a removable tubular bearing transversely disposed between said brackets and having an end engaged in the opening of each, one end being extended beyond the bracket, to provide a guide seat for a coil spring, and a clamp-screw associated with each bracket and movable into binding engagement with the tubular bearing.

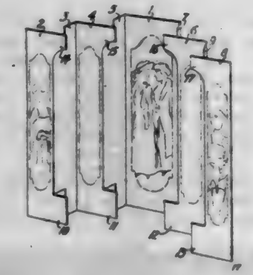
1,539,027. PROJECTILE FOR USE WITH DEPTH-CHARGE PROJECTORS. ANDREW JACKSON STONE, New York, N. Y., assignor, by mesne assignments, to American Ordnance Corporation, New York, N. Y., a Corporation of Delaware. Filed Apr. 3, 1919. Serial No. 287,103. 2 Claims. (Cl. 102—3.)

1. A projectile for depth charge projectors comprising an arbor adapted to project into the barrel of the piece and to form a piston in said barrel, a saddle carried by said arbor, a container containing a main charge of high



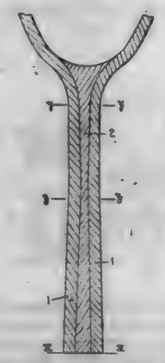
explosive and a detonator, and a pair of hooks secured to said saddle adjustable relative to each other for attaching said container to said saddle.

1,539,028. DISPLAY DEVICE. SIDNEY A. STOBER, New York, N. Y. Filed Aug. 30, 1923. Serial No. 660,107. 2 Claims. (Cl. 40—126.)



1. A display card comprising a central panel, wing panels, intermediate panels connecting said central panel with said wing panels and bottom extensions on said wing panels cut out of said intermediate panels and serving as means for stabilizing said device when set up.

1,539,029. TENNIS RACKET. PERCIVAL SURRIDGE, London, England. Filed Oct. 15, 1924. Serial No. 743,718. 3 Claims. (Cl. 273—73.)



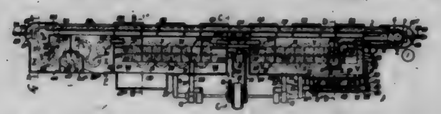
1. In a tennis racket, a frame having handle extensions the adjacent sides of which taper towards their upper and lower ends and which are widest at their said ends, a filling piece tapered to fit between the said sides, and side pieces secured over the front and rear sides of the said extensions and filling piece.

1,539,030. PRESSURE-INDICATING VALVE STEM FOR TIRE TUBES. ERNEST J. SWEETLAND, Montclair, N. J. Filed Jan. 16, 1919. Serial No. 271,883. 4 Claims. (Cl. 152—11.5.)



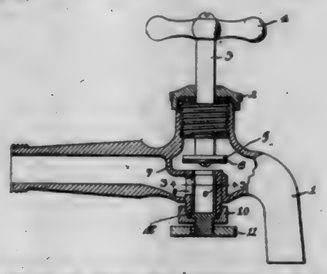
2. A pressure indicating device comprising a casing, a sleeve movable within said casing and provided with graduations, a tube having circumferentially arranged threads embedded therein for preventing lateral while permitting longitudinal extension of the tube, and a coiled spring located in the annular space between said sleeve and said tube and arranged to resist the longitudinal extension of the latter.

1,539,031. BOTTLE-WASHING MACHINE. GEORGE CRAIG THOMSON, Dunedin, New Zealand. Filed Aug. 6, 1920. Serial No. 401,820. 8 Claims. (Cl. 141—7.)



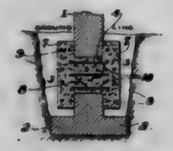
1. In a bottle washing machine, a plurality of casings spaced from each other, a drying tunnel in the space between the casings, a conveyor carrying the containers through said casings and tunnel, and means for circulating different fluids through different casings.

1,539,032. FAUCET. ALFRED C. TYTLER, San Francisco, and JOHN W. SOMERVILLE, Santa Cruz, Calif. Filed Aug. 13, 1923. Serial No. 657,171. 1 Claim. (Cl. 277—66.)



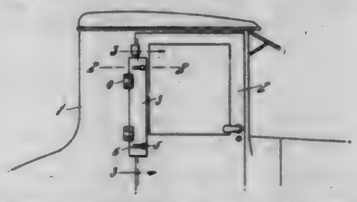
In a faucet or valve, the combination of a body, a stem working in the body and equipped with a head, inner and outer apertured barrels arranged in the body for the control of the passage of fluid past the same, one of the barrels constituting a seat and the other and inner barrel having means exterior of the body for the turning thereof, a flanged collar on the exterior portion of the inner barrel and threaded on the outer barrel, and packing confined in said collar and against the outer barrel.

1,539,033. METHOD OF AND MEANS FOR REENFORCING WALL FOUNDATIONS. JAMES ALGERNON YOUNGBLOOD, Dallas, Tex. Filed June 21, 1924. Serial No. 721,441. 6 Claims. (Cl. 61—51.)



1. The method of reenforcing old walls which consists in excavating at one side of said wall down to the footing but no wider than the same, cutting a hole through the wall between the ground level and the footing, forming a band or belt of concrete against the wall between the footing and the ground level, said band or belt having an integral beam traversing the hole and adapted to transfer part of the weight of the wall to the band and to tie the latter to the wall.

1,539,034. SAFETY DEVICE DOOR. DOCTOR ALONZO YORK, Del Rio, Tex. Filed Feb. 11, 1924. Serial No. 692,090. 1 Claim. (Cl. 296—44.)



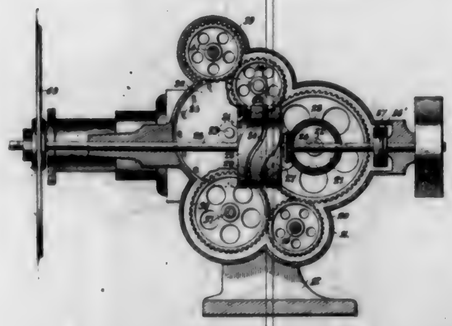
The combination with a door frame and a door hinged thereto, of an elongated plate overlying the confronting rear and adjacent face of the door and frame respectively, having hinged connection with the latter, studs carried by the door and having slidable engagement with the plate, and springs encircling the studs and engaging the plate.

1,539,035. MEANS OF PRODUCING THE OPENINGS FOR DOORS AND WINDOWS IN THE WALLS OF BUILDINGS FROM CAST MATERIAL. FRIEDRICH ZOLLINGER, Merseburg, Germany, assignor, by mesne assignments, to Julius P. Meyer, New York, N. Y. Filed Jan. 11, 1922. Serial No. 528,459. 1 Claim. (Cl. 25—131.)



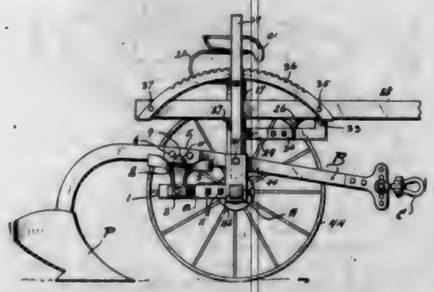
In a structure of the class described a false scaffolding including two bounding walls spaced apart, a door or window frame the members of which are of a width equal to that of the space between said walls, said frame being inserted between said walls, a boxing around the same and the boards of which boxing are provided with obliquely arranged ribs for the purpose of reinforcing the same and for the purpose of improving the hold in the concrete, these ribs being provided on the outer surface of this boxing.

1,539,036. MOTION-PICTURE MACHINE. OLIVER J. ARNETT, Memphis, Tex. Filed Dec. 8, 1921. Serial No. 520,948. 1 Claim. (Cl. 88—17.)



In combination, a shaft, means for rotating the shaft, a shutter on said shaft, a gear element on said shaft adapted to impart an intermittent motion, a framing sprocket, means for rotating the sprocket through the intermittent gear element on said shaft, a film holding mechanism associated with said sprocket, and means on said shaft for intermittently operating said film holding mechanism.

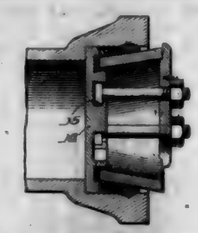
1,539,037. POTATO-LISTER RIDING ATTACHMENT. ALBIN E. BERGGREN and CHARLES M. KERR, Idaho Falls, Idaho. Filed Apr. 15, 1924. Serial No. 706,751. 4 Claims. (Cl. 97—82.)



1. A riding attachment for a beam plow comprising a wheel supported axle having a rearwardly directed arch, means for supporting the beam by said arch, plates secured to the inner portions of the side members of said arch and provided with upstanding extensions, said extensions being substantially radial to the axle proper, an upstanding arch having its extremities pivotally engaged with the upstanding extensions of the plates, a tongue secured to said second named arch, a rack carried by the tongue, a lever fixed to the axle, and a latch mechanism carried by the tongue and engageable with the rack.

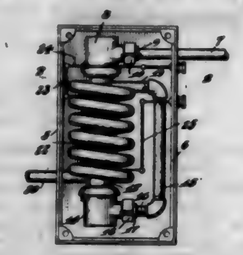
1,539,038. PIPE PLUG. JOHN A. BYERS, Chicago, Ill., and FORREST H. BLANDING, Coshocton, Ohio, assignors to James B. Clow & Sons, Chicago, Ill., a Corporation of Illinois. Filed Apr. 27, 1922. Serial No. 557,012. 6 Claims. (Cl. 137—76.)

1. In a pipe plug, the combination of an imperforate plate adapted to be seated within a pipe-end and formed in its outer face with an undercut slot having a lateral opening, an open-ended frusto-conical shell seated on the plate, a removable member spanning the outer end of



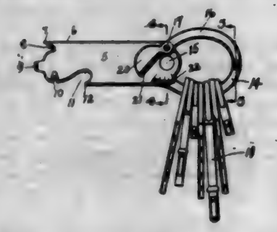
the shell, and a bolt removably engaging the slot and member and adapted to clamp the shell between the plate and member.

1,539,039. WATER HEATER. JOSEPH EDWARD BLANDING, New London, Conn., assignor of nine-twentieths to Ida Frances Peck, Groton, Conn. Filed Nov. 20, 1922. Serial No. 602,285. 1 Claim. (Cl. 219—38.)



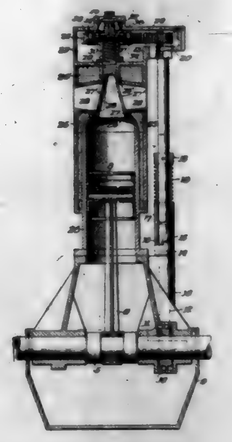
In a water heater, a casing, a pipe supported within the casing, a pipe housing the first mentioned pipe and spaced therefrom to provide a passageway, a water supply pipe leading into the casing and including a coiled portion, said coiled portion being disposed about the first mentioned pipes and arranged in spaced relation therewith, one end of the coiled portion extending downwardly and having communication at the upper end and providing an exhaust for the passageway, and an electric heating coil positioned around the pipes and disposed within the coil to heat fluid passing therethrough.

1,539,040. POCKET TOOL. ERNEST BOCCHINO, Clifton, N. J. Filed June 8, 1922. Serial No. 565,546. 1 Claim. (Cl. 7—1.)



A pocket tool comprising a blank having a recess in one end thereof, an outwardly curved extension formed integral with the blank, a curved arm pivotally attached to the blank above the said recess and movable relative to the curved extension, an enlargement having a beveled edge formed with the curved arm and extending beyond the pivot, said beveled edge movable across the recess to sever an object inserted therein, and locking means located at the free ends of the respective extension and the curved arm.

1,539,041. INTERNAL-COMBUSTION ENGINE. JOHN F. CRAWFORD, Racine, Wis. Filed June 4, 1923. Serial No. 643,216. 7 Claims. (Cl. 123—190.)



1. An internal combustion engine comprising a cylinder terminating in a conformation to constitute a valve-seat, a valve seated for rotation therein having a screw-threaded stem, a nut surrounding and mating with said stem, a cap above said nut and connected thereto, yielding means interposed between said stem and cap for controlling the rotary movement of said valve stem in said nut, and means for rotating said valve.

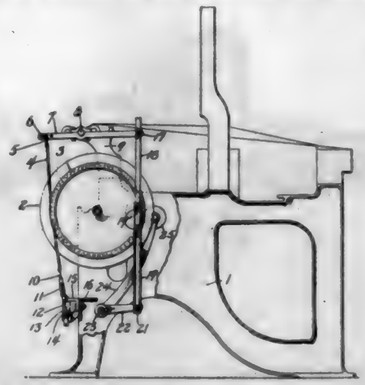
1,539,042. CLARINET MUSIC LYRE. LEONARD JOSEPH DENNIS, Detroit, Mich. Filed Oct. 6, 1923. Serial No. 666,967. 6 Claims. (Cl. 45—68.)



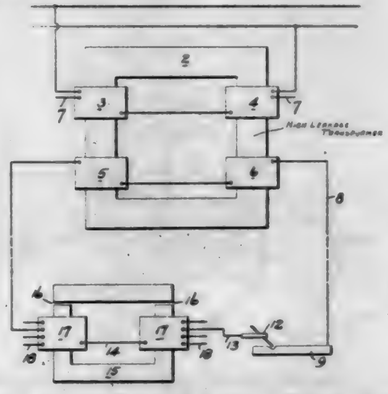
1. A music-holding lyre comprising a back member adapted to be mounted on a support; a lyre fork pivotally mounted on said back member, spring means for normally pressing the upper end of said fork against said back member; a spring catch mounted on said back member and having a portion whereby as said fork is opened the lower edge thereof will engage said spring and the latter will hold said fork in open position until the spring is disengaged from the fork by the player.

1,539,043. TENSION MECHANISM FOR LOOMS. ALFRED EDMUNDSON, New Bedford, Mass. Filed July 7, 1924. Serial No. 724,634. 5 Claims. (Cl. 139—107.)

1. In tension-mechanism for looms, the combination of the warp-beam having lateral brake-drums, flexible brake-elements passing around said brake-drums, levers disposed transversely above said warp-beam and fulcrumed intermediately of their ends, the upper ends of said brake-elements being secured to said levers at one end thereof, leaf-springs secured at one end to a stationary support and at the other end to the lower ends of said brake-elements, a feeler-member including a roller adjacent the periphery of said brake-beam and moving inward, as the warp-beam decreases in diameter, to rock said levers to change the braking effect of said brake-elements, and connections between the feeler-member and the other end of said levers.



1,539,044. ALTERNATING-CURRENT WELDING APPARATUS. ROYAL E. FRICKEY, San Francisco, Calif. Filed July 18, 1921. Serial No. 485,658. 2 Claims. (Cl. 219—13.)



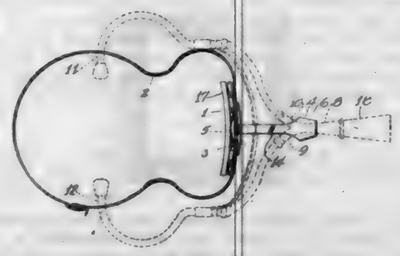
1. In alternating current welding system, a transformer of high leakage reactance having a primary and a secondary winding, means for connecting the secondary winding so that it supplies a welding current, and a variable reactor of comparatively small weight in the secondary circuit, whereby an operator using the apparatus may perform the control for the current at any convenient location.

1,539,045. LINGERIE CLASP. ALVINA T. GOSSOM, St. Louis, Mo. Filed Sept. 14, 1923, Serial No. 662,648. Renewed Jan. 31, 1925. 2 Claims. (Cl. 24—85.)



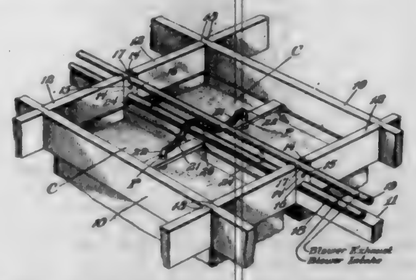
1. A lingerie clasp comprising a safety pin, a strip of flexible material adapted to fold midway of its ends to include the back portion of said pin, releasable means to secure said flexible strip to said pin, and means to secure the ends of said strip together to include a strap of clothing in the manner described.

1,539,046. HOLDER FOR STETHOSCOPES. ELVIN MANN HARTLETT, Chicago, Ill. Filed Dec. 29, 1923. Serial No. 683,489. 4 Claims. (Cl. 181—24.)



1. A holder for a stethoscope comprising a plate, means for securing said plate to the head of a person, a clamp rigidly secured to said plate, said clamp having two jaws, means for moving said jaws into locking engagement with the bell of the stethoscope, the gripping surfaces of said jaws being fashioned so as to conform to the outer surface of the bell.

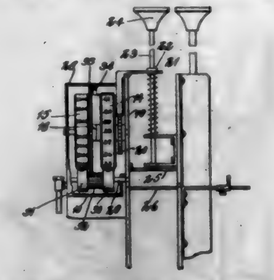
1,539,047. REFRIGERATING APPARATUS. ARTHUR H. HUTCHINSON, Atlanta, Ga. Filed Apr. 19, 1924. Serial No. 707,688. 5 Claims. (Cl. 62—159.)



1. In ice making apparatus having compartments for the reception of water tanks, the water tanks each being provided with an air pipe, the compartments being provided with covers, a pair of conduits associated with each tank, one of said conduits being connected with the exhaust and the other with the intake of a blower, an air hose connected at one end to the first named conduit and having its opposite end engageable with the air pipe of the water tank, the last named conduit having an opening communicating with the compartment beneath the cover thereof, the last named end of the air hose being engageable in said opening.

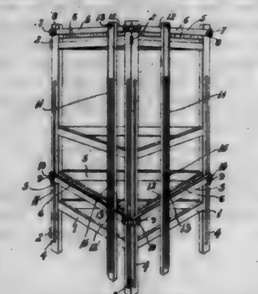
2. A division structure for ice tanks comprising parallel main division girders, intermediate girders disposed between and paralleling the main girders and having their upper surfaces disposed in a plane beneath the plane of the upper surfaces of the main girders, a conduit resting upon the upper surface of each intermediate girder, transverse partitions let into the main and intermediate girders and having their upper surfaces flush with the upper surface of the main girders, plates resting at their lower ends upon the intermediate girders and clampingly engaging adjacent ends of the upper portions of the transverse partitions, said plates being provided in their lower ends with notches permitting the passage of said conduit, said plates being provided in their upper edges with notches receiving a second conduit and supporting the same above and in spaced relation to the first named conduit.

1,539,048. COUNTER FOR STAMP-AFFIXING MACHINES. STANLEY J. KUZIEL, Holyoke, Mass. Original application filed June 28, 1924, Serial No. 723,054. Divided and this application filed Nov. 28, 1924. Serial No. 752,647. 2 Claims. (Cl. 235—142.)



1. In a counter having parallel, independently movable bands, one bearing a suitable range of numerals, the others bearing multiples of the range of the first band, and means to impart a step-by-step motion to the first band, an arc shaped coupler provided with teeth and carried upon the lower order bands.

1,539,049. CURTAIN STRETCHER. ANNE LINTON and ELIZABETH LINTON, Philadelphia, Pa. Filed July 28, 1923. Serial No. 654,472. 1 Claim. (Cl. 45—24.)



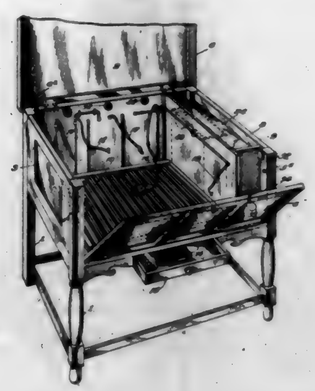
A curtain stretcher comprising a frame, a plurality of hingedly connected sections, pins carried by and located at the top of these sections, the ends of the sections being provided with vertically arranged slots, pairs of co-acting pin-carrying bars arranged horizontally across said frame, bolts passing through the bars and slots and provided with hooks on one end thereof for holding the bars in clamped relation with the curtain and holding said bars in adjusted position.

1,539,050. PISTON RING. HAROLD A. MCCHESNEY, St. James, Minn. Filed June 14, 1924. Serial No. 719,997. 5 Claims. (Cl. 74—109.)



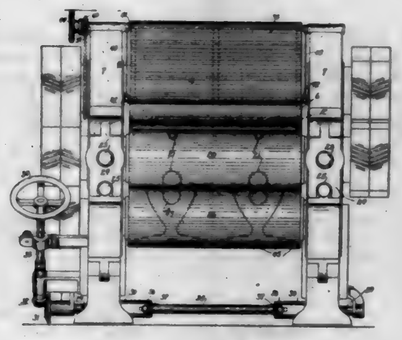
1. A piston ring comprising inner and outer ring members, the inner member acting as an expansion ring to expand the outer member, the inner member being formed in its outer face with a pair of V-shaped grooves, each having its outer wall parallel to the outer wall of the inner ring and its inner wall inclining to meet the inner wall of the other of the grooves, the outer ring member having a piston wall engaging body portion of the same thickness as the inner ring and having its inner edges abutting and conforming to the outer surface of the inner ring member.

1,539,051. RADIOCABINET. JOHN C. MCLEAN, Cleveland, Ohio, assignor to The M & M Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 23, 1924. Serial No. 739,322. 5 Claims. (Cl. 136—20.)



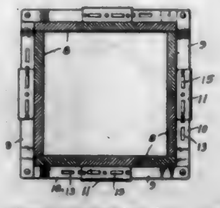
2. A radio power cabinet comprising a battery compartment having fixed back and end walls, a hinged top for said compartment, a hinged panel forming the front wall of said compartment, a slanting bottom for said compartment having a discharge opening for drippings, a battery supporting grid above the bottom of said compartment and a drip pan supported beneath said bottom.

1,539,052. CALENDERING, EMBOSSING, AND CUTTING MACHINE. JOHN ANDREW MCCROHAN and HERBERT C. ERICH, New Haven, Conn. Filed Mar. 13, 1924. Serial No. 698,955. 3 Claims. (Cl. 18—10.)



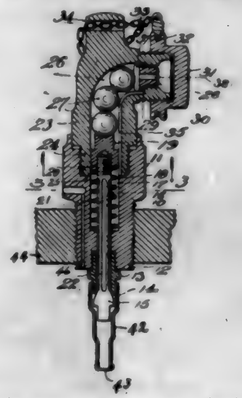
1. In a machine of the class specified, the combination with a pair of calender-rolls arranged side by side, a third calender-roll arranged directly below the second calender-roll, an embossing-roll arranged forward of and in line with the third calender-roll, a cutting-roll arranged below the embossing-roll, means for driving said rolls, said cutting-roll mounted on bearings on vertically-arranged screws, worm-gears on the lower ends of said screws, worms meshing with said worm-gears, said worms arranged on a horizontal shaft, means for coupling said worms with said shaft, and means for turning said worms.

1,539,053. CLAMP FOR CONCRETE-COLUMN FORMS. HOWARD O. MCMILLAN, Minneapolis, Minn. Filed Sept. 22, 1924. Serial No. 739,067. 12 Claims. (Cl. 144—291.)



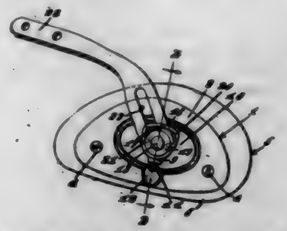
1. A column clamp comprising bars extending around the corners of a column form and overlapping at the sides of said column form, and means engaging said bars at their overlapped portions relatively to move said bars longitudinally and tighten said clamp.

1,539,054. SELF-CLOSING CHECK VALVE. CHARLES MELDAU, New York, N. Y. Filed Sept. 23, 1922. Serial No. 589,066. 3 Claims. (Cl. 137—139.)



3. In a high pressure self-closing pressure valve, a valve holding part having a spring seat therein, a spring in said seat and a valve stem in said spring, a valve stem nut on one end of said stem and a valve head at the other, a valve plug having a valve seat for said head located beyond the holding part, a valve extension on said holding part, a freely movable pressure transmitting disk in the free end of said extension and pressure transmitting members in said valve extension between said valve stem nut and said pressure transmitting disk.

1,539,055. TRUSS PAD. ISAAC M. PEASE, Cincinnati, Ohio. Filed Apr. 19, 1922. Serial No. 555,550. 1 Claim. (Cl. 128—124.)



A device of the class described comprising a pad, a socket carried by the pad, a post threaded into the socket, holding means carried by the outer end of the post, a support retained by the holding means on the outer end of the post, and a set screw threaded into the side of the socket and engaging the post to hold the post against rotation, the pad having a seat wherein the outer end of the socket is housed, thereby to permit the support to be brought up close to the pad, the pad having a lateral channel wherein the set screw is located, thereby rendering the screw accessible notwithstanding the fact that the outer end of the socket is located in the seat.

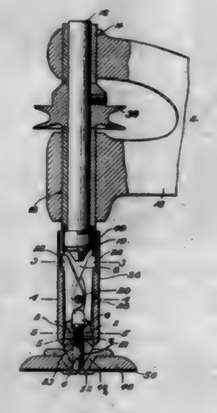
1,539,056. SWIVEL SOCKET. ELMER M. RAY, Hominy, Okla. Filed June 25, 1924. Serial No. 722,417. 1 Claim. (Cl. 255—26.)



A device of the character described comprising a body portion having a longitudinal bore threaded and slightly tapered adjacent the lower end thereof, the opposite sides of the body portion for an appropriate part of its length being flattened to accommodate a tool for turning said body portion, said bore being divided into upper and lower portions of relatively different diameters, and an intermediate portion of slightly less diameter than the lower portion, and slightly greater than the upper portion, a socket member slidably and rotatably fitted in the lower portion of said bore, a seat snugly fitted within the intermediate portion of the bore and adapted to be engaged by the socket member, said seat being capable of being removed from the body portion through the lower end of said bore, said body portion having sight openings at the opposite sides through which said end socket member can be examined, said socket having a longitudinal bore formed with spiral grooves to provide for an effective grip on the cable for the socket member.

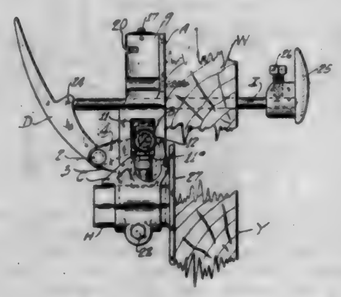
1,539,057. TOOL HOLDER. ANDREW R. RIDDERSTROM, Nahant, Mass., assignor, by mesne assignments, to Thomas C. Rowen, Swampscott, Mass. Filed May 6, 1920. Serial No. 379,250. 3 Claims. (Cl. 279—35.)

1. In combination, a rotatable tool holder having relatively movable, screw-threaded jaws adapted to occupy a normal position when not clutching a tool and a stop separated from the jaws, a tool comprising a screw-threaded stem provided with a terminal head, a hub and a disk loosely and slidably mounted on the stem, and a sandpaper sheet interposed between the disk and the head, and means for rotating the tool holder to cause the stem to be threaded into position between the jaws when the jaws occupy the normal position during the rotation of the tool holder to cause the stop to engage the hub tightly and to cause the sandpaper sheet to become tightly clamped between the disk



and the head, and means for separating the jaws to release the tool during the rotation of the tool holder, whereby disassociation of the tool parts is expedited by facilitating detachability from the tool holder.

1,539,058. REFRIGERATOR LOCK. ADOLPH RUBIN, St. Louis, Mo., assignor to Sieber Products Mfg. Co., St. Louis, Mo., a Corporation of Missouri. Filed Mar. 20, 1924. Serial No. 700,600. 18 Claims. (Cl. 292—242.)

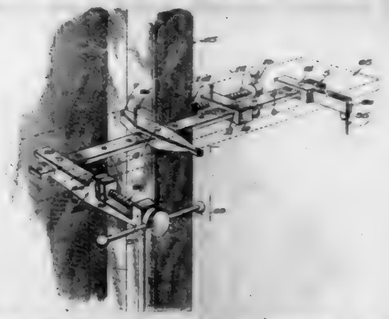


1. A door lock, comprising a casing, a latch reciprocatingly mounted in said casing and provided with a portion that projects laterally through the casing, a keeper that co-operates with said latch to hold the door closed, a spring in the casing that exerts pressure on said latch, and a removable member on said casing arranged in such a manner that the removal of same permits said spring to be withdrawn from the casing.

1,539,059. WORKBENCH. JOHN B. SAWYERS, Gainesville, Tex. Filed June 20, 1924. Serial No. 721,255. 5 Claims. (Cl. 144—286.)

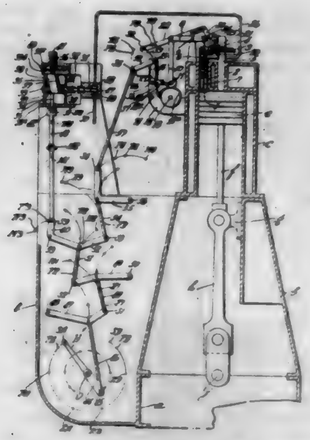
1. A portable work bench comprising a main bar, a jaw adjustably secured on the main bar, an arm adjustably secured to said bar and having a threaded opening, a feed screw threaded through said opening

and having a swivelly mounted head adapted to cooperate with said jaw in engaging a projection, sup-



porting members mounted on said bar adjacent the ends of the same, and a work-supporting plank mounted on said supporting members.

1,539,060. MANEUVERING MECHANISM FOR INTERNAL-COMBUSTION ENGINES. JAMES A. SEYMOUR, Auburn, N. Y. Filed Mar. 15, 1924. Serial No. 699,587. 40 Claims. (Cl. 123—41.)



1. A combination of mechanisms for maneuvering internal combustion reversing engines comprising, several individual maneuvering mechanisms for effecting distinct maneuvering operations of said engine, a plurality of trains of mechanisms, each train arranged to combine a plurality of wrist plate motions in series, and an actuating member connected to said several trains of mechanism and having a range of movement during different parts of which a movement is produced at the remote end of one train while simultaneously substantially no movement is produced at the remote end of another train, each of said trains of mechanism being connected at its remote end to one or more of said individual maneuvering mechanisms.

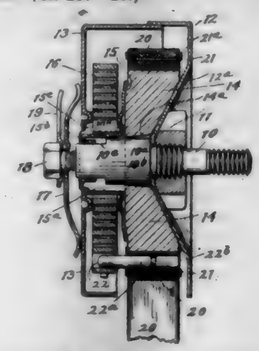
1,539,061. CHECK PROTECTOR. EDWARD D. SMITH, Erie, Pa. Filed Jan. 5, 1925. Serial No. 609. 2 Claims. (Cl. 101—20.)

1. In a check protector, a body portion including a length of sheet metal bent intermediate its ends to provide a supporting section and a perforating section, flanges formed along the edge of the supporting section, said flanges having inwardly extended portions, an ink pad and a stencil sheet adapted to be supported between the supporting sections and inwardly extended portions of the flanges, and spurs carried by the perforating



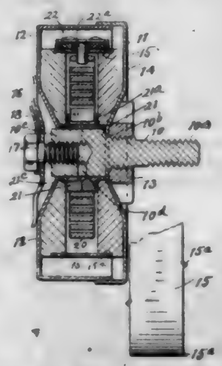
section and adapted to be moved into engagement with the stencil sheet to perforate an article positioned between the supporting section and stencil sheet and perforating section.

1,539,062. REBOUND CONTROLLER. JACOB R. SNYDER, Cleveland, Ohio, assignor to The Star Rebound Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 20, 1923. Serial No. 633,508. 13 Claims. (Cl. 267—10.)



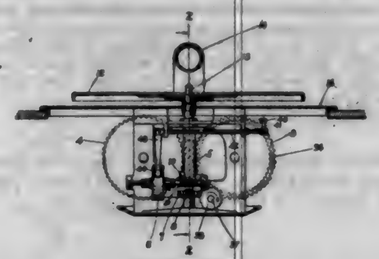
1. In a rebound controller, a rotatable frictionally resisted drum, a belt coiled on the drum, a spring for keeping the belt taut and located at one side of the drum, the outer end of the spring being connected to the belt, and one of said parts having a positive connection with the drum.

1,539,063. REBOUND CONTROLLER. JACOB R. SNYDER, Cleveland, Ohio, assignor to The Star Rebound Controller Company, Cleveland, Ohio, a Corporation of Ohio. Filed Aug. 20, 1923. Serial No. 658,198. 18 Claims. (Cl. 267—10.)



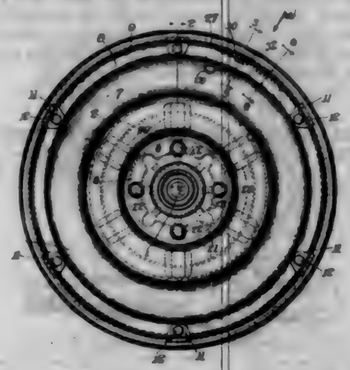
1. In a rebound controller, a rotatable drum, a strap adapted to be wound onto and unwound from the drum, a spring for winding the strap onto the drum and yieldingly resisting its unwinding, and a casing enclosing the drum and having side portions frictionally engaging the drum to resist its rotation.

1,539,064. PHONOGRAPH. EDWIN G. STAUDE, Minneapolis, Minn. Filed Sept. 27, 1920. Serial No. 412,019. Renewed Sept. 29, 1924. 3 Claims. (Cl. 192—118.)



1. The combination with a phonograph turn-table, operating motor, and tone-arm, of a plurality of gears meshing one with the other, one of said gears having a frictional connection with a part of the tone-arm, means for driving the other gear from the motor, a brake in operative relation to a part of the motor, and means operatively connecting the brake with the gears for releasing the brake when the gears move at substantially the same speed and setting the brake upon a difference in speed of the gears.
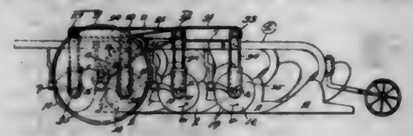
1,539,065. SHEET STEEL DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Wilmette, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 9, 1922. Serial No. 593,876. 6 Claims. (Cl. 301—63.)



1. In a wheel of the class described, the web of the wheel composed of a concave disk reinforced on the back by a secondary disk terminating in a zone about midway from the hub to the rim and joined thereat to the main web and thence spaced asunder from the main disk web and adapted to abut laterally against a hub flange, and from this flange the said secondary disk having an outwardly inclined extending annular zone bearing on inclined bearing surfaces of the hub body, and the two disks joined together at the aperture of the hub barrel.

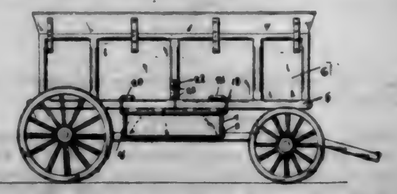
1,539,066. NONCLOG COLTER. FRANK D. ADAMY, Bellwood, Nebr. Filed Mar. 19, 1924. Serial No. 700,201. 2 Claims. (Cl. 97—40.)

2. The combination with a tractor plow, ground engaging wheels carried by angularly disposed portions of axles rotatably mounted, rotatable colters carried by said plow, of means for rotating said colters, said means comprising stub shafts carried by the axles in axial alignment therewith, double sprockets carried by said stub shafts, sprocket and sprocket chain connections be-



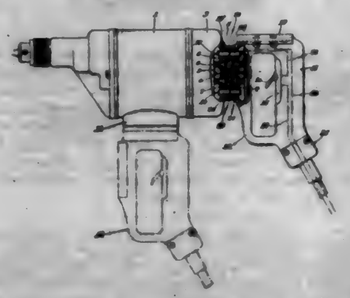
tween the double sprockets and the ground engaging wheels and sprocket and sprocket chain connections between the double sprockets and the rotatable colters.

1,539,067. DUMPING VEHICLE. HARRY T. BOYNTON, Russell, Mass. Filed Feb. 11, 1922. Serial No. 535,928. 2 Claims. (Cl. 298—38.)



1. A dumping vehicle consisting of a wheeled body having a bed provided with an opening, a closure for said opening hinged at its inner end under the bed and adapted to occupy a normal horizontal position across said opening, means for supporting said closure in an open position so that it will constitute an inclined chute by which material may be delivered from said bed, a U-shaped member pivoted at its ends to the side of the body above the bed whereby its lower end will form a support for the closure in its normal horizontal position, and means for locking the U-shaped member in supporting position to retain the closure in horizontal position.

1,539,068. MOTOR HAND TOOL. BLUFORD W. BROCKETT, Cleveland Heights, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 29, 1923. Serial No. 615,557. 15 Claims. (Cl. 173—36.)

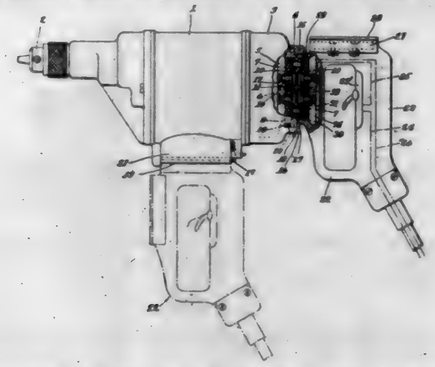


1. In combination, a motor driven tool including tool and handle members at least one of said members being provided with means permitting ready attachment of said handle in a plurality of locations on the tool.

1,539,069. HANDLE FOR MOTOR HAND TOOLS. BLUFORD W. BROCKETT, Cleveland Heights, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 29, 1923. Serial No. 615,558. 4 Claims. (Cl. 172—36.)

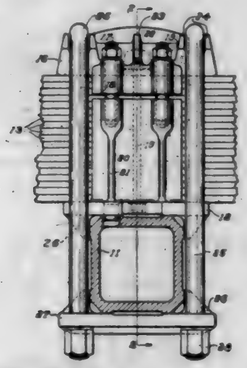
1. In a motor hand tool, a motor casing, a motor in said casing, a handle or grip, hand operated inter-

locking means between said casing and handle, and suitable co-operating contacts carried by said casing and



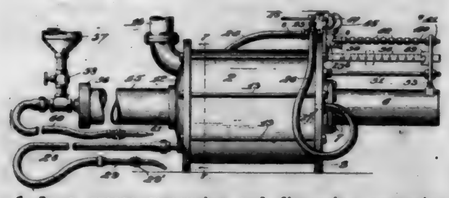
handle and arranged for co-operating engagement upon the application of the handle.

1,539,070. SPRING. RALPH H. BROWN, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 30, 1919. Serial No. 293,782. 6 Claims. (Cl. 267—52.)



2. The combination of an axle, with a multiple leaf spring, a seating member for said spring separably connected with said axle, a pressure block seated upon said spring, clamping bolts connecting said seating member and said pressure block with the spring therebetween, a clamping plate engaging said axle, and clamping bolts connecting said pressure block and clamping plate adapted to clamp the seating member removably upon said axle and also to the springs.

1,539,071. GREASE-DISTRIBUTING APPARATUS. RICHARD CALLAHAN and STEPHEN ROULEAU, Los Angeles, Calif. Filed Mar. 30, 1922. Serial No. 548,020. 6 Claims. Cl. 221—102.)



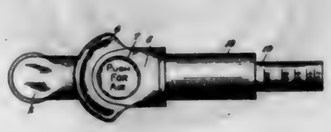
1. In a grease measuring and dispensing apparatus, a main chamber in which there is a pneumatically operated piston, an inwardly opening check valve arranged in an intake port of the chamber, a discharge means leading from the chamber at the same end thereof with the intake valve, means for supplying air under pressure between a head end of the chamber and the said piston, a separate pneumatically operated returning means connected to the piston and comprising a tubular chamber secured to said head, and a rod attached to said piston and slidably mounted in said last named head end for operating an indicating device.

1,539,072. WINDOW-SASH LOCK. JAMES E. CARBIS, Long Island City, N. Y. Filed Oct. 18, 1924. Serial No. 744,333. 3 Claims. (Cl. 292—197.)



1. In a lock in combination with a window sash and window frame, a recessed member within the window frame; a casing recessed within a window sash; a revoluble locking bar within the casing, having a cam edge and placeable within the frame member locking the sash from movement; a revoluble forked member within the casing, the forks of which straddle the locking bar and are connected by means of a bar below the locking bar; and a member extending outside of the casing, the revoluble movement of which will remove the locking bar from the frame recess and means for returning the locking bar into locking position.

1,539,073. COMBINED NOZZLE AND PRESSURE GAUGE. CHARLES FRANCIS CARTER, Des Moines, Iowa. Filed Jan. 31, 1923. Serial No. 616,028. 1 Claim. (Cl. 152—11.5.)



An inflating device comprising a valve housing including an air hose nipple, a pressure gauge carried by the housing, valves in the housing for controlling the passage of air to a tire valve or the gauge, an operating button for the valve arranged externally of the housing, and a crescent shaped guard formed integrally with the housing and partly surrounding and extending above said operating button to protect the same.

1,539,074. METALLIC FLOOR COVERING. SPENCER C. CARY, Brooklyn, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 17, 1921, Serial No. 515,877. Renewed Apr. 20, 1925. 3 Claims. (Cl. 15—239.)

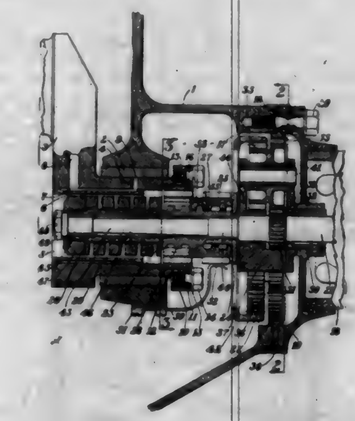
1. A metal fabric embodying rows of units, links in fixed relation to the units of each row, the terminal portions of said links at the marginal row of units being extended beyond said units, and said extended terminal

portions being notched rearwardly of the free ends thereof, and an elongated channeled member encasing



said terminal portions of the links, said member being compressed into locking engagement with said notched portions of the links.

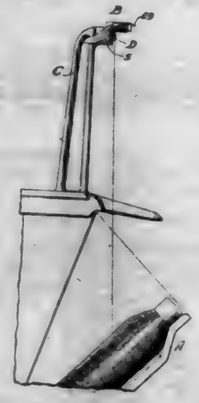
1,539,075. ENGINE-STARTING APPARATUS. ROLAND CHILTON, Matawan, N. J., assignor, by mesne assignments, to Eclipse Machine Company, New York, N. Y., a Corporation of New York. Filed Feb. 4, 1919. Serial No. 274,988. 27 Claims. (Cl. 74—7.)



1. In starting apparatus, in combination an engine crank shaft which is hollow at one end, a motor driven rotatable shaft extending into the crank shaft axially thereof, a driving member mounted on the driven shaft for longitudinal movement thereof into engagement with the crank shaft, and for rotary movement with such driven shaft for the rotation of the crank shaft.

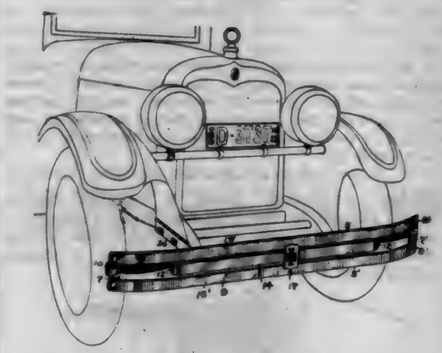
1,539,076. THREAD CLAMPING AND SHEARING MEANS. HOWARD D. COLMAN, Rockford, Ill., assignor to Barber-Colman Company, Rockford, Ill., a Corporation of Illinois. Filed May 7, 1923. Serial No. 637,049. 13 Claims. (Cl. 242—35.6.)

1. The combination of a housing having a slot and a throatway leading to the slot, a clamping jaw and a shearing blade within the housing at one side of the slot, an intermediate clamping and shearing jaw pivoted within the housing to swing across the slot, said jaw having a gear segment connected thereto, a three-arm lever pivoted within the housing, a gear segment connected to said lever and meshing with the first gear segment, said lever comprising an arm extending across the slot in the path of an entering thread, and an oppositely extending arm projecting from the housing, said lever also comprising a third arm, a link connected



to the third arm, and a contractile spring connected to the link, said lever being arranged to be thrown slightly over center to a position where the spring serves to hold the intermediate jaw in open position.

1,539,077. AUTOMOBILE CUSHIONING FENDER. WILLIAM G. COX, Cleveland, Ohio, assignor to The Eaton Axle & Spring Company, a Corporation of Ohio. Filed Sept. 20, 1923. Serial No. 663,804. 5 Claims. (Cl. 293—55.)

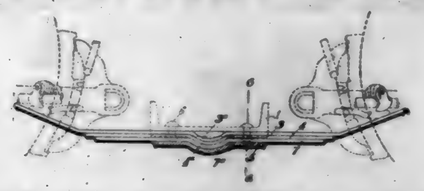


1. A cushioning fender for an automobile comprising a supporting bar having a middle impact portion and S-shaped spring portions at opposite ends of said impact portion, and impact rails connected to said bar parallelly above and below said impact portion and having their ends connected with the ends of said bar.

1,539,078. THIRD AND FOURTH POINT SUPPORT FOR BRAKE BEAMS. FREDERIC T. DE LONG, Chicago, Ill., assignor to Chicago Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 13, 1922. Serial No. 552,266. 8 Claims. (Cl. 188—218.)

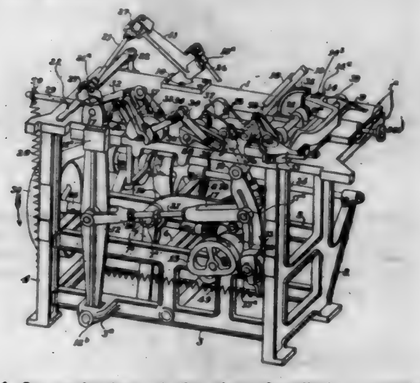
5. In a car construction, the combination with a trussed brake beam of a truck part, a safety support

for trussed brake beams secured to said truck part and comprising a plurality of nested flexible leaves of different



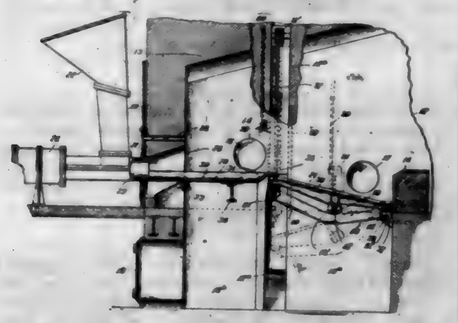
lengths arranged to provide a yielding support for the tension member of said beam, and a rigid support for the compression member of said beam.

1,539,079. SAW-SWAGING MACHINE. EDDIE C. FILSTRUP, Benton Harbor, Mich., assignor to Covel Mfg. Co., Benton Harbor, Mich., a Corporation of Michigan. Filed Dec. 10, 1921. Serial No. 521,295. 34 Claims. (Cl. 76—54.)



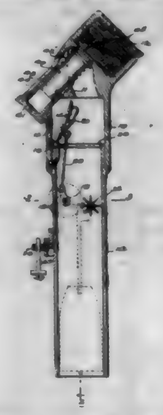
1. In mechanism of the class described, a swaging member comprising a body, a die, power actuated means to rotate said die, means to move said swaging member bodily, said die-rotating means being constructed and arranged to permit said bodily movement without actuation of said die.

1,539,080. FURNACE. FRANK E. FLEMING, Detroit, Mich., assignor to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Filed Nov. 5, 1920. Serial No. 422,043. 3 Claims. (Cl. 110—32.)



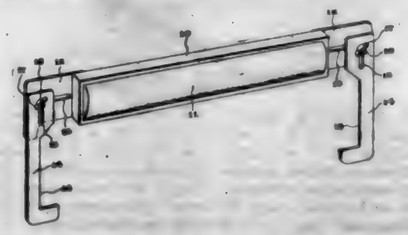
2. In a furnace, the combination of fire-box walls, means for feeding fuel through the front wall, a coking plate adjacent to the front wall, a grate pivoted at its rear edge and at its front edge coacting with said coking plate, said grate comprising a frame having front and rear sills, grate bars pivoted on said sills and a transverse shaker bar connected with and arranged to operate said grate bars; means for normally elevating the front end of said grate, movable to permit the grate to descend to dumping position, and grate-shaking means located at a fixed elevation and having detachable connection with the shaker-bar.

1,539,081. AUTOMATIC NOZZLE. ERNEST G. FRITZ, Litchfield, Conn. Filed Nov. 21, 1922. Serial No. 602,420. 6 Claims. (Cl. 226—127.)



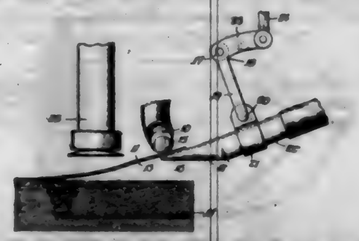
1. In an automatic nozzle, a casing, a valve in the casing for closing same, valve operating means, a float in the casing and having an upwardly extending member, means operated by the flow of liquid through the casing and adapted to engage the member of the float, and means carried by the valve operating means and with which the member of the float is adapted to egage to operate the valve operating means.

1,539,082. INVALID'S FOOT BRACE. ANNIE M. FYLER, Savannah, Ga. Filed Apr. 19, 1923. Serial No. 633,237. 1 Claim. (Cl. 5—327.)



An invalid's foot brace attachment for beds comprising an elongated padded support adapted to be disposed transversely upon the mattress of a bed in edgewise position thereon, brackets on the ends of said support formed with elongated slots extending longitudinally with respect to the support, depending arms engaged against said brackets and formed with slots arranged at right angles to said first named slots and adapted to register therewith, clamping bolts passing through the registering slots, and inward extensions on the lower ends of said arms adapted for engagement beneath the side rails of a bed, the first named slots permitting adjustment of the device for use upon beds of different widths and the second named slots permitting adjustment for use of the device upon mattresses of different thicknesses whereby the device may be held down snugly upon the mattress.

1,539,083. SHEET-SEPARATING MEANS. CARL HENDERSON, Chicago, Ill., assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 1, 1922. Serial No. 533,183. 3 Claims. (Cl. 271—27.)

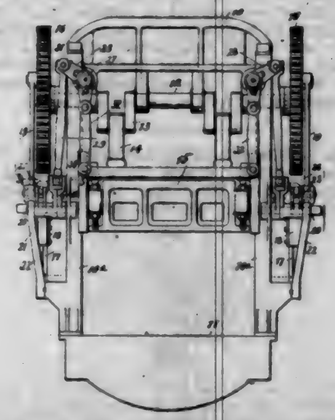


1. In sheet separating mechanism, the combination of means for separating a sheet of material from a pile, means acting directly upon a second sheet for withdrawing it from a first sheet if more than one sheet is separated at a time from the pile, and juxtaposed auxiliary means for bodily raising the top separated sheet from the pile.

1,539,084. MANUFACTURE OF IMITATION MOTHER-OF-PEARL. EDWARD F. HIGGINS, Brooklyn, N. Y., assignor to Jos. H. Meyer Bros., Inc., Brooklyn, N. Y., a Corporation of New York. Filed June 24, 1922. Serial No. 570,730. 25 Claims. (Cl. 18—51.)

1. In the manufacture of imitation mother-of-pearl, the process which consists in incorporating the pigment of fish scales into and distributing the same throughout a mass of plastic material while the latter is maintained in a more or less fluid condition by an excess of solvent therefor.

1,539,085. PRESS. HENRY J. HINDE, Toledo, Ohio, assignor to The Toledo Machine and Tool Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 16, 1920. Serial No. 374,269. 7 Claims. (Cl. 13—38.)



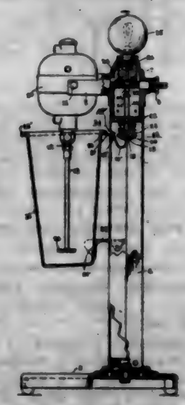
1. In a press of the type having a plunger and a work-holder, a crank-shaft supported by the frame for operating the plunger and provided at its ends with twin driving gears, crank or toggle arms for actuating the work-holder and arranged on opposite sides of the frame to swing in planes parallel to the axis of the crank-shaft, means for swinging said arms comprising rods arranged at both ends of the machine, and at their upper ends having movement transmitting connections with said arms, which connections constrain the upper ends of the arms to move vertically, and in and out with reference to the ends of the frame, power transmitting means connecting the lower ends of said rods with both of said driving gears, which connections constrain the lower ends of the rods to move vertically and laterally in planes at right angles to the axis of the crank-shaft.

1,539,086. COMBINED WRITING INSTRUMENT. GEORGE HOFMANN and ROBERT G. SCHROEDER, Chicago, Ill., assignors to Ralph A. Bard, trustee, Chicago, Ill. Filed Feb. 2, 1922. Serial No. 533,676. 6 Claims. (Cl. 120—18.)



1. In a writing instrument of the character described, the combination with an open ended shell, of a thimble shallowly seated in said shell and relatively fixed therein, a nonrotatable feed member fixed to the inner or bottom end of said thimble, a rotatable feed member coacting with said non-rotatable feed member, one said feed member having a longitudinal slot and the other said feed member having screw thread provision, a feed nut engaging the slotted and screw-threaded feed members for movement along the relatively stationary feed member as the rotatable feed member is rotated, and a turning member, exteriorly accessible beyond the forward end of said thimble, said turning member entering said thimble for guidance therein and having provision for engagement with the rotatable feed member.

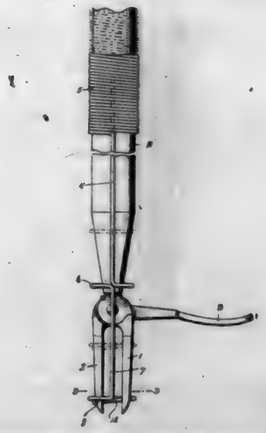
1,539,087. MIXING DEVICE. MARTIN HOUSELL, Racine, Wis., assignor to Hamilton Beach Mfg. Co., Racine, Wis., a Corporation of Wisconsin. Filed Dec. 18, 1922. Serial No. 607,716. 10 Claims. (Cl. 259—135.)



1. A mixing device, comprising a support, a switch lever extending therefrom and having means for ma-

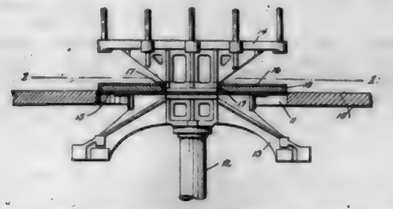
pending a mixing receptacle thereon, an electric motor controlled by said switch and having a depending stirring member, and a mixing receptacle suspensible from said switch lever and entered by the stirring member, the weight of the mixing receptacle causing said switch lever to automatically turn on the electric current to the motor.

1,539,088. CLEANER ATTACHMENT. JACOB JONES, Seattle, Wash. Filed Aug. 9, 1924. Serial No. 731,194. 5 Claims. (Cl. 55—68.)



1. In combination with a weed puller comprising a handle, a stationary prong and a movable prong, a member supported for sliding movement by the handle, the lower end portion of the member being angularly disposed and extending around the prongs.

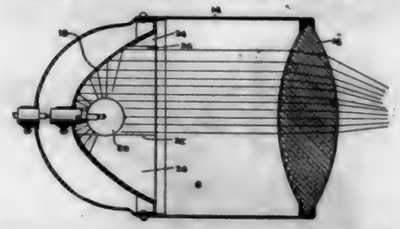
1,539,089. BAFFLE PLATE. CHARLES F. KENWORTHY, Waterbury, Conn., assignor to Charles F. Kenworthy, Incorporated, Waterbury, Conn., a Corporation of Connecticut. Filed Feb. 14, 1924. Serial No. 692,699. 3 Claims. (Cl. 266—4.)



1. A baffle plate constructed with a bottom plate; a top plate having an opening therethrough; a band around the contour of the bottom and top plates; a band within the opening in the top plate and extending to the bottom plate; and heat-resisting material between said plates, said plates being all connected together by welding or otherwise, whereby they become a single unitary structure.

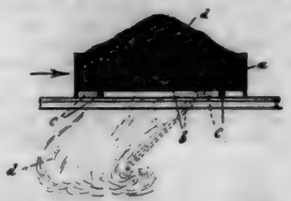
1,539,090. HEADLIGHT. ERNEST S. KING, Minneapolis, Minn. Filed Oct. 6, 1923. Serial No. 666,924. 1 Claim. (Cl. 240—41.)

A headlight comprising a casing, a double convex lens in the front of said casing, a parabolic reflector for the rear portion of said casing, a single source of light in said casing located at the focus of said reflector, a small opaque non-reflecting mask whose upper edge is substantially in contact with the upper portion of the margin of said reflector whereby rays of light are prevented from passing thru the extreme upper portion of said lens, said mask having a lower horizontally extending edge, and a large opaque non-reflecting mask substantially coextensive with the lower half of said



reflector and whose lower edge is substantially in contact with the lower portion of the margin of said reflector whereby rays of light are prevented from passing through the lower portion of said lens, said large mask having an upper horizontally extending edge.

1,539,091. APPARATUS FOR LOCALIZING AND QUENCHING EXPLOSIONS IN MINES. ARNOLD KRANTS, Gelsenkirchen, Germany. Filed Mar. 12, 1924. Serial No. 698,814. 1 Claim. (Cl. 169—3.)



Apparatus for localizing and quenching explosions in mines, comprising, in combination, a box filled with rock dust and extending over the whole width of a drift, a loose bottom in said box, rollers separate from said box and bottom and mounted on rails on top of the drift and adapted to hold said bottom in its normal position, one end of said loose bottom adapted to be freed from said rollers by a short displacement of said box thereon due to the air shock preceding an explosion, substantially as and for the purpose set forth.

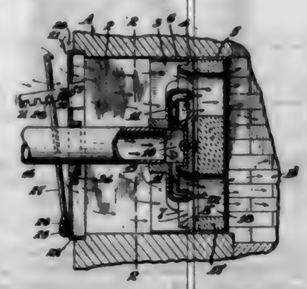
1,539,092. WINDOW-SASH LOCKING AND VENTILATING DEVICE. HENRY KRUG and JOSEPH DOOD, Cincinnati, Ohio. Filed Mar. 10, 1922. Serial No. 542,701. 1 Claim. (Cl. 292—256.)



In a device of the character described, the combination with the meeting-rails of a window, of a horizontal arm

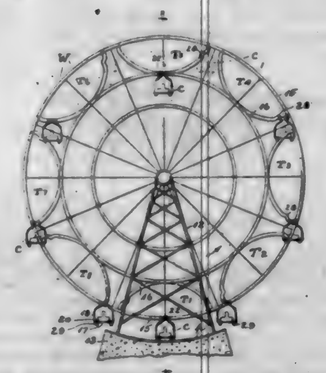
or base-member having screw-threaded orifices at its opposite ends, a right-angled bar-arm having a guide-channel provided in its opposite vertical sides, a slide-member having flanges adapted to freely engage said channels, clamp-devices mounted on the said right-angled bar-arm, and means for regulating and sustaining the said clamp-devices in either open or in closed position, substantially as shown and described.

1,539,093. GAS BURNER. LEE B. METTLER, Los Angeles, Calif. Filed Oct. 25, 1923. Serial No. 670,770. 5 Claims. (Cl. 158—104.)



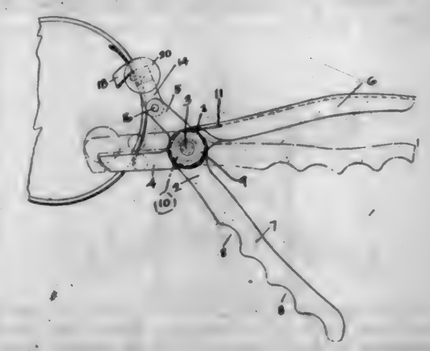
1. In a gas burner, a plate formed with a series of air intake openings having tapered walls, a gas supply manifold, a series of radiating tubes on said manifold, nozzles on said tubes arranged to discharge gas centrally of the air intake openings, a refractory block extending over said plate said block being formed with apertures which register with the small ends of the air intake openings which apertures constitute a multiple of gas and air mixing chambers.

1,539,094. AMUSEMENT STRUCTURE. JOHN A. MILLER, Homewood, Ill. Filed Nov. 5, 1924. Serial No. 747,905. 9 Claims. (Cl. 104—77.)



1. In an amusement structure of the class described, the combination of a wheel rotatable continuously on its horizontal axis, a plurality of local track circuits supported from said wheel adjacent to the circumference thereof, the outer sides of said local track circuits being parallel with the wheel circumference, trucks for riding each track circuit and a car suspended therefrom, and a platform for receiving a car when at the lowest point of the wheel and for supporting the car at rest while the outer side of its associated track circuit is traveling over the platform, engagement of the inner sides of the track circuits with the trucks causing the respective cars to be carried bodily with the wheel.

1,539,095. CAN OPENER. GEORGE A. PATTBERG, San Leandro, Calif., assignor to Elizabeth Pattberg, San Leandro, Calif. Filed June 15, 1922. Serial No. 568,504. 1 Claim. (Cl. 30—3.)



A can opener comprising, a pair of opposed handle members pivoted together; spring means for separating said handle members; a plate pivotally mounted on an end of one of said handle members, opposite the handle portion thereof, having a lateral projection thereon to detachably engage the end of the other handle member to hold the pair of handle members together; and co-operative can cutting means on the ends of the handle members, opposite the handle portions thereof.

1,539,096. WELL-CASING PROTECTOR. LEROY H. PERRY, Gardena, Calif. Filed June 25, 1924. Serial No. 722,344. 7 Claims. (Cl. 255—29.)

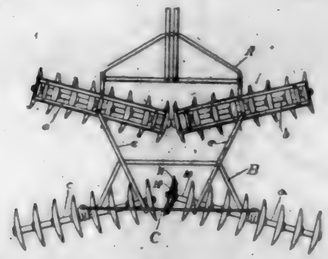


7. A well casing protector comprising; a sleeve adapted for gripping a tool string intermediate the tool string joints; and a floating collar surrounding said sleeve; said collar having an outside diameter larger than that of said joints.

1,539,097. CENTER CUTTER FOR DISK HARROWS. WALTER R. PETERSON, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 26, 1920. Serial No. 426,449. 8 Claims. (Cl. 55—82.)

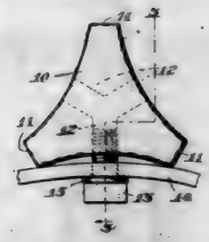
1. A tandem harrow comprising front and rear units each provided with a pair of opposed disk gangs, the gangs of the front unit having equal numbers of disks and the rear gangs having unequal numbers, the gang with the greater number having its inner disk substantially in alignment with the space between the inner disks of the front gangs.

5. The combination with the rear section of a tandem harrow comprising a pair of opposed gangs of disks, of an extension on the inner end of the axle of one of the gangs, and an auxiliary disk mounted on the end of the extension and positioned in the space between the gangs.



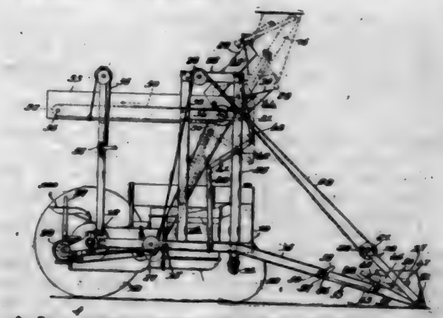
8. The combination with a pair of pivotally mounted disk gangs composed of inthrowing disks, such gangs converging forwardly when in working position, of an additional disk mounted on the inner end of one of the gangs on an extension of its axle and positioned substantially midway between the inner disks of the gangs.

1,539,098. THREE-WAY TRACTOR LUG. CHARLES W. ROBINSON, Auburn, N. Y., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 14, 1923. Serial No. 662,641. 13 Claims. (Cl. 301—44.)



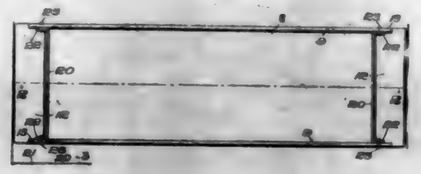
4. A traction lug for wheel tires comprising a block having more than two ground engaging portions equidistantly spaced from each other, a face opposite each ground engaging portion and an aperture in each face, any one of said apertures adapted to selectively receive a fastening means for locking the lug to the wheel tire.

1,539,099. POWER SHOVEL. JOHN F. SULLIVAN, Medford, Mass. Filed Sept. 5, 1922. Serial No. 586,123. 9 Claims. (Cl. 214—90.)



1. In a power shovel of the class described, in combination, a chassis; levers pivoted thereto on which a scoop is mounted; a material receiving hopper adapted to be tilted; links and levers intermediate said first levers and said hopper adapted to tilt said hopper upon the actuation of said scoop; a conveyor adapted to receive material from said hopper; and means to actuate said scoop and said conveyer.

1,539,100. BRICK PALLET. CLARENCE H. YOUNG, Boston, Mass. Filed Feb. 10, 1921. Serial No. 443,986. 2 Claims. (Cl. 34—17.)



1. A pallet having a sheet metal body portion, lateral flanges and reinforcing means 20 at points removed from the ends of the pallet and extending between said lateral flanges, said reinforcing means being provided with extensions 21 extending toward the ends of the pallet, said sheet metal body portion being reversely flanged at its ends to provide a part 12 turned over and underlying said extensions 21.

1,539,101. PRESSURE GAUGE. HARRY E. ADAMS, Toledo, Ohio, assignor to The W. G. Nagel Electric Company, Toledo, Ohio, a Corporation of Ohio. Filed Apr. 27, 1922. Serial No. 556,839. 2 Claims. (Cl. 73—100.)

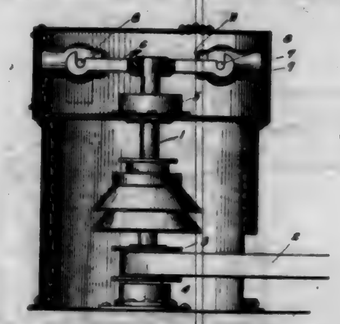


2. In a pressure gauge in combination with a Bourdon tube formed for connection at one end to a source of pressure, pressure indicating means operated by the tube, and a stop to engage said indicating means when at the starting position thereof, adjustable means to engage the free end of the tube when said indicating means is at said starting position, said adjustable means being located in juxtaposition to the free end edge of the tube thereby to prevent movement of the tube in a direction to cause same to exert pressure of the indicating means against the stop.

1,539,102. APPARATUS FOR TREATING SERUM. ELIOT R. ALEXANDER, Kansas City, Mo. Filed Feb. 17, 1923. Serial No. 619,300. 2 Claims. (Cl. 233—26.)

1. A double walled centrifugal separator container, the outer wall of which consists of an outer receptacle having substantially thick walls, and the inner wall of which consists of a receptacle having substantially thin walls adapted to bulge under excessive pressure, the inner

receptacle conforming substantially throughout to the inner surface of the outer receptacle with its outer surface in such proximity to the inner surface of the outer



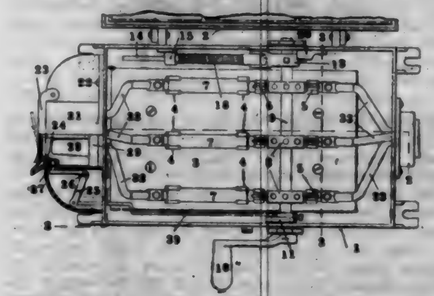
receptacle as to prevent permanent distortion of the inner receptacle, there being sufficient space between the inner and outer walls to prevent adhesion under high centrifugal pressure.

1,539,103. SCENTLESS ANIMAL TRAP. THOMAS H. ALSTON, Dulce, N. Mex. Filed Mar. 26, 1923. Serial No. 627,727. 6 Claims. (Cl. 43—92.)



1. A land-animal jaw trap of the type which is usually set concealed from view, constructed entirely of metal, and having a shiny surface composed of non-corrosive metal.

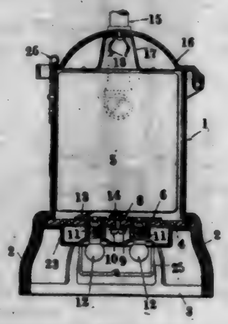
1,539,104. SWITCH. JOHN A. AMOS, St. Louis, Mo., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 29, 1922. Serial No. 557,448. 1 Claim. (Cl. 200—50.)



The combination of an electric switch, a plug receptacle connected therewith and provided with a cover, a switch operating member, a pivoted lever on the receptacle housing, one end of said lever constituting a locking member for the receptacle cover and the other end being connected to the switch operating member.

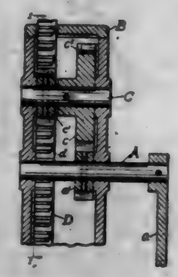
1,539,105. SIGNAL LANTERN. JOHN A. AMOS, St. Louis, Mo., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Mar. 17, 1924. Serial No. 699,879. 1 Claim. (Cl. 240—6.5.)

In an electric signalling device, the combination of a casing having a bottom closure of insulating material, two lamp sockets mounted on said closure and opening downward, an annular contact plate mounted on the upper side of said closure, a battery in the casing having one terminal engaging said contact plate, a second contact member on said closure adapted to be engaged by the other battery terminal, a switch member in electrical



connection with said last mentioned contact member and movable to place same in circuit with a terminal of either lamp socket, the annular contact plate being so located with respect to the sockets that a terminal of a lamp inserted in either of said sockets will engage with said contact plate.

1,539,106. MEASURING-PUMP GEARING. LINNAEUS E. BAKER, Fort Wayne, Ind., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind., a Corporation of Indiana. Filed Aug. 8, 1924. Serial No. 730,846. 2 Claims. (Cl. 74—14.)

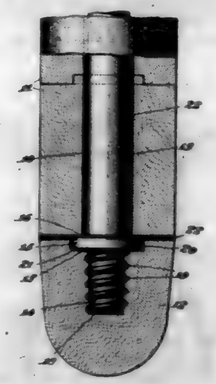


1. Gearing for reciprocating piston measuring pumps, comprising in combination, toothed means for driving said piston while pumping, toothed means for driving said piston in reverse, a driving shaft with a pinion secured thereto, a crank for rotating said shaft, said shaft so journaled as to be axially adjustable so that its pinion may be brought into operating contact with either the toothed pumping means or the toothed reversing means by sliding the shaft in the appropriate direction by pressure on the crank.

1,539,107. STOPPER ROD. SAMUEL S. BALL, Jersey City, N. J., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed June 20, 1923. Serial No. 646,534. 8 Claims. (Cl. 22—85.)

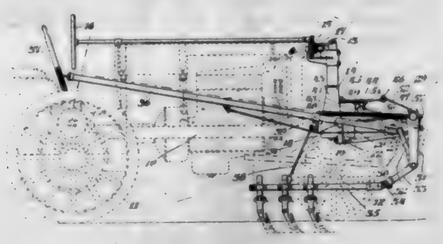
1. A stopper rod construction comprising a rod member having a supporting collar integral with and near to the lower end thereof and a threaded portion below

the collar, refractory sleeve means surrounding the rod member and supported by the collar, and a stopper head



made of refractory material and having integral internal threads provided in an axial recess and fitting the threaded portion of said rod.

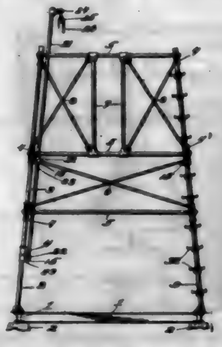
1,539,108. IMPLEMENT ATTACHMENT FOR TRACTORS. BERT R. BENJAMIN, Chicago, and ANDREW KOWALSKY, Oak Park, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Sept. 4, 1924. Serial No. 735,740. 6 Claims. (Cl. 97—47.)



1. The combination with a machine comprising a tractor having a steering truck including an upright steering post journaled in the front of the tractor frame and a laterally shiftable implement frame carried in front of the truck; of quick detachable coupling means between the tractor and implement frame comprising supporting brackets on the tractor at each side of the steering post, coupling brackets on the implement frame including elements interlocking with the supporting brackets, and operating connections between the implement frame and steering post comprising a forwardly projecting arm fixed on the steering post, a collar pivoted on the post adjacent said arm having a forwardly extending lug, a swing bar with one end connected to said lug and its other end connected to the implement frame, and a latch mounted on said bar in position to interlock with the outer end of said arm.

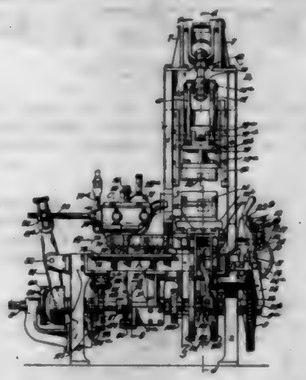
1,539,109. ERECTING CRANE AND GIN POLE. FOKKO BRANDT, Kansas City, Mo., assignor to The Brandt & Krell Engineering Company, Kansas City, Kans., a Corporation of Kansas. Filed Jan. 15, 1923. Serial No. 612,817. 9 Claims. (Cl. 189—16.)

1. The combination with a post composed of a plurality of superposed post sections, and sleeves coupling adjacent ends of adjacent sections and provided with alined lugs, of a rod having a pair of arms resting on



and interlocked with said lugs, and means carried by the rod for lifting and lowering objects.

1,539,110. DIE-CASTING MACHINE. ERIC CARLSON, Chicago, Ill., assignor to Stewart Manufacturing Corporation, Chicago, Ill., a Corporation of Delaware. Filed Sept. 11, 1922. Serial No. 587,263. 7 Claims. (Cl. 22—69.)

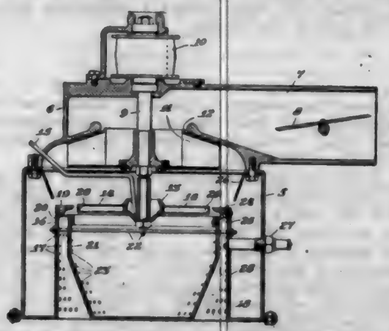


1. In a die casting machine in combination a power shaft; a continuously revolving power wheel loose on the shaft; clutch means for engaging the shaft with the wheel for rotation of the shaft by the wheel; a rotated element driven by the power shaft and making a single revolution in the complete cycle of the machine; manually operable means for operating the clutch to engage the power shaft with the wheel; automatic locking means for said manual means to maintain the parts clutched, and means carried by the rotated element for releasing said locking means at the completion of the cycle.

1,539,111. INSTANTANEOUS FUEL BURNER AND METHOD OF BURNING FUEL. CHARLES A. FRENCH and LAURANCE E. GOIT, Chicago, Ill., assignors to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 8, 1922. Serial No. 566,886. 18 Claims. (Cl. 158—28.)

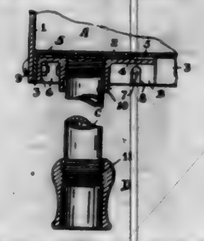
13. In a burner, the combination of a casing, a shaft rotatably mounted therein, two concentric perforated gratings providing an annular combustion chamber, an annular sharp edge and lip on the respective gratings coaxial with the shaft, a bowl rotatable with the shaft

and having a plurality of hollow arms terminating adjacent the sharp edge, means for supplying fuel to the bowl, means rotatable with the shaft for directing a



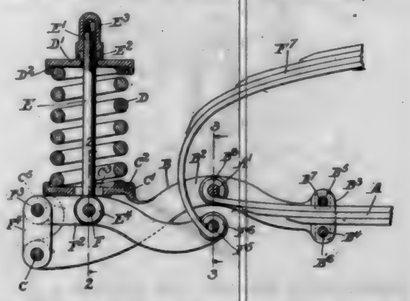
blast of air between the sharp edge and lip, means for igniting the fuel and air leaving the lip, and means for supplying additional air to the burning mixture through the perforations in the gratings.

1,539,112. SUPPORTING-LEG CONSTRUCTION. JOHN EDWARD GLOEKLER, Pittsburgh, Pa. Filed Oct. 18, 1924. Serial No. 744,435. 2 Claims. (Cl. 45—48.)



1. For use for supporting a sink, tub, table-top and the like which is characterized by a skirt portion depending below the horisontal portion of the article and forming inclosed angles at the corner of the article, the combination of a corner bracket comprising a horizontal platform which supports the horisontal portion of the article from below and a depending perimetral flange which fits from within against the skirt portion and is fixed thereto and a socket depending from the platform within the planes of the skirt portion, and a leg member having its upper end inserted in and held fixed in said socket.

1,539,113. DIRECT-SUSPENSION SHOCK ABSORBER. LEWIS P. HALLADAY, Decatur, Ill. Filed May 8, 1922. Serial No. 559,217. 8 Claims. (Cl. 267—17.)



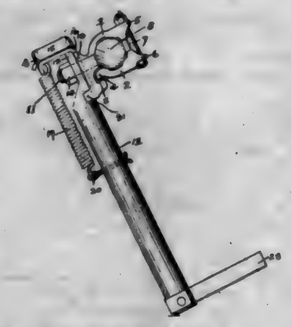
1. An auxiliary spring for vehicles adapted for use with opposed leaf springs, comprising an extension from one of said springs, an apertured platform mounted thereon, a supplemental spring seated on said platform and means for compressing said supplemental spring, comprising a link connected to the top of said spring and passing through said platform and a lever pivoted to said link, a pivot link connection between the outer end of said lever and said extension, the inner end of said lever being pivoted to the opposed leaf spring.

1,539,114. AUTOMOBILE BUMPER. LEWIS P. HALLADAY, Decatur, Ill. Filed Feb. 21, 1924. Serial No. 694,238. 11 Claims. (Cl. 293—55.)



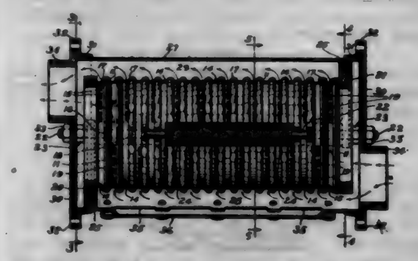
1. In an automobile bumper, a plurality of impact bars arranged edge to edge, a front clamp engaging their impact faces and having hooked ends to engage their separated edges, a spacing clamp located between the bars and provided with lugs engaging notches in their opposed edges and arms engaging their rear sides and means for drawing the clamps together to hold the bars in fixed relation.

1,539,115. SUPPORT FOR MOTOR CYCLES, BICYCLES, ETC. ELDON C. HENDERSON, San Francisco, Calif. Filed Jan. 7, 1924. Serial No. 684,768. 5 Claims. (Cl. 208—79.)



1. A device, such as described, comprising a clamp attachable in an angularly inclined position to the frame on one side of a bicycle; a single support arm pivotally attached to said clamp; a spring connected, at its opposite ends, to said clamp and arm; means on said clamp to limit the downward movement of said support arm and means on said arm to engage said bicycle frame to limit the upward movement of said arm.

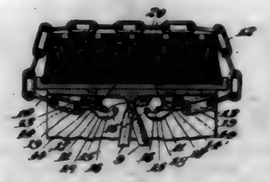
1,539,116. AIR FILTER. JEROME F. HEYN, Omaha, Nebr. Filed Dec. 8, 1924. Serial No. 754,621. 6 Claims. (Cl. 183—44.)



1. In a structure of the class described, an annular frame comprising a pair of rings having interengaged

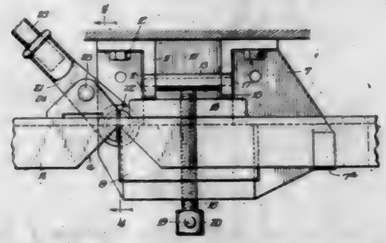
flanges, a fabric covering extending across the face and about the edges of one of said frame-rings and having its edges clamped between the inter-engaged flanges of the rings, the other ring having a laterally perforate portion, and an inturned flange on the latter ring at the end opposite the fabric-covered face of the first ring.

1,539,117. CHAIN HOOK. EMIL IBACH, Hoboken, N. J., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1923, Serial No. 676,195. Renewed Dec. 8, 1924. 4 Claims. (Cl. 152—2.)



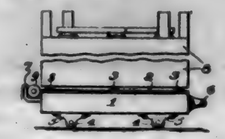
1. A hook for retaining one end of an anti-skid chain of the cross chain type and adapted for attachment to the felloe of a motor vehicle wheel comprising a base member and a hook member integral with and springing from the base member for approximately the full width of the latter, said hook member facing away from the base member for bearing the load imposed by a chain.

1,539,118. ANGLE-IRON BENDER. JOHN JENSEN, Rockford, Ill., assignor to Whitney Metal Tool Company, Rockford, Ill., a Corporation of Illinois. Filed Apr. 21, 1924. Serial No. 707,854. 4 Claims. (Cl. 153—16.)



1. An angle-iron bender comprising a base having an upstanding portion providing an anvil, a lever having a clamping member pivoted at one end, said base also having a pair of spaced upright flanges between which said lever is pivotally mounted between its ends, a screw mounted to turn in the base and disposed between said flanges so as to be operable into engagement with the lower end of said lever whereby to move said clamping member toward the anvil to clamp the work therebetween, and a lever pivoted on the base to turn on an upright axis and having a part adapted to engage with the work adjacent one corner of the anvil to bend it around the anvil at such corner.

1,539,119. BATTERY SUPPORT. ALBERT T. JOHNSON, Chicago, Ill. Filed Feb. 21, 1925. Serial No. 10,737. 2 Claims. (Cl. 105—51.)

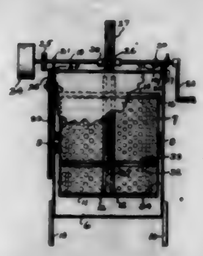


1. A battery support, comprising a base member of a size to have a storage battery rest thereon, an absorbent pad covering the upper surface of the base member and secured thereto, rollers carried by the base member on the under side thereof, a handle at the front of the base member, and hooks making a hydrometer rack at the rear of said base member.

1,539,120. TREATMENT OF ORES. HENRY W. KAANTA, El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y., a Corporation of New Jersey. Filed June 11, 1924. Serial No. 719,330. 5 Claims. (Cl. 83—85.)

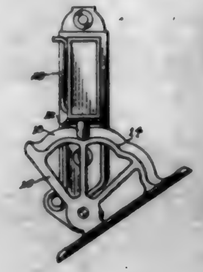
1. In the art of recovering precious metals from complex ores, the process which consists in mixing the ground ore with a cyanide solution of a strength sufficient to attack any film or coating upon the precious metal particles contained in the ore without substantial absorption of the metal particles thereof, adding a precipitant of the precious metals contained in the solution, agitating the mixture with the precipitant therein and then concentrating the metal constituents of the ore and the precipitant.

1,539,121. WASHER AND DRIER. WILLIAM O. KIDWELL, Indianapolis, Ind. Filed June 30, 1924. Serial No. 723,217. 8 Claims. (Cl. 68—18.)



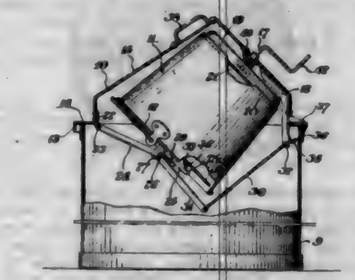
1. In a washing machine, a housing, a clothes receptacle mounted within the housing, said receptacle having a fixed bottom and a detachable top, a guide centrally mounted within and secured to the bottom of said receptacle, a presser plate slidingly carried on said guide, and detachable means of drawing said presser plate upwardly along said guide.

1,539,122. DECK-SASH SUPPORT. THOMAS A. LEECH, Chicago, Ill., assignor to The Adams & Westlake Company, a Corporation of Illinois. Filed Sept. 6, 1921. Serial No. 498,634. 5 Claims. (Cl. 16—141.)



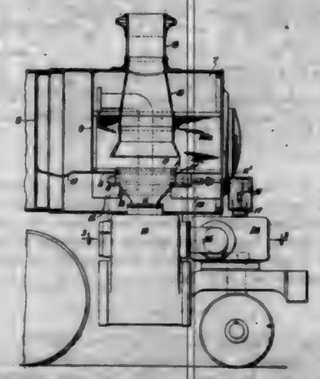
4. In a deck sash support for car windows or the like, in combination, a ratchet sector secured to one side of the sash adjacent the window frame, a trunnion for said sector having an enlarged head, a housing above said sector when the deck sash is in place and secured to the window frame, a bearing for the trunnion in the form of a hook also secured to the window frame and grooved adjacent the frame to accommodate the enlarged head of the trunnion, a bolt carried by said housing and normally projecting therefrom for engaging the ratchet sector, a flange on the outer periphery of said sector adjacent the window frame, and positive means for raising and securing said bolt out of contact with the ratchet.

1,539,123. ASH-SIFTING DEVICE. FRANK H. LEHMAN, Lebanon, Pa. Filed Sept. 21, 1921. Serial No. 502,161. 11 Claims. (Cl. 83—60.)



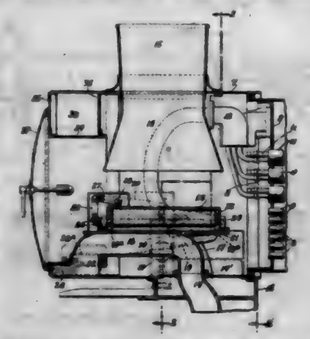
1. In a sifting device, a rotatably mounted disk like sifting element adapted to be disposed for rotation in a plane at a sufficient inclination to enable the material to be sifted to run downwardly thereon, a material container in the form of a pail, and means for rotatably mounting said container in partially inverted position over and above said element.

1,539,124. LOCOMOTIVE DRAFT APPLIANCE. DAVID M. LEWIS, Chicago, Ill., assignor to Lewis Draft Appliance Company, a Corporation of Illinois. Filed Aug. 18, 1921. Serial No. 493,311. 20 Claims. (Cl. 162—5.)



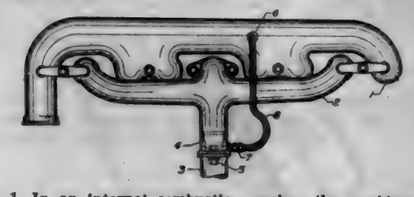
1. In a locomotive draft appliance the combination of a cylinder, an exhaust passage, a nozzle, and a receiver in parallel with the exhaust passage.

1,539,125. LOCOMOTIVE DRAFT APPLIANCE. DAVID M. LEWIS, Chicago, Ill., assignor to Lewis Draft Appliance Company, a Corporation of Illinois. Filed Aug. 18, 1921. Serial No. 493,312. 8 Claims. (Cl. 162—8.)



1. In a locomotive draft appliance, the combination of an elongated nozzle having its major axis longitudinal of the smoke box, a similarly shaped and disposed stack, and a volume chamber.

1,539,126. APPARATUS FOR VAPORIZING FUEL. VINCENT LINK, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Aug. 12, 1921. Serial No. 491,787. 8 Claims. (Cl. 123—119.)



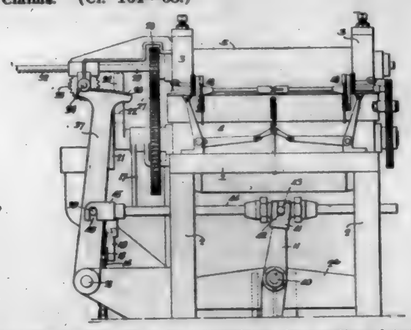
1. In an internal combustion engine, the combination of an exhaust manifold, an intake manifold positioned between said engine and a carburetor, a member positioned within said intake manifold and having a portion of its walls spaced apart from said manifold, means connected with said exhaust manifold for supplying heat by the exhaust products of combustion from said engine to the chamber formed between said member and said intake manifold, and a restricted passage leading from said chamber to said intake manifold whereby the products of combustion can escape from said chamber in such a manner as to cause an envelope of hot gas around the incoming fuel mixture.

1,539,127. VALVE STRUCTURE. CARL E. L. LIPMAN, Beloit, Wis., assignor to Lipman Refrigerator Car and Manufacturing Company, Beloit, Wis., a Corporation of Delaware. Filed July 16, 1923. Serial No. 651,719. 7 Claims. (Cl. 277—60.)



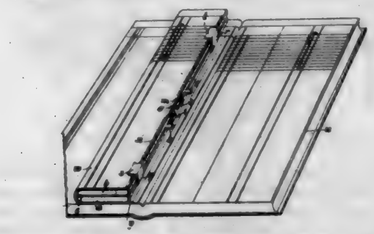
4. In a valve structure, the combination of three superposed perforated discs, valves adapted to reciprocate in the perforations of the intermediate disc and to close the ports of the lowermost disc, said uppermost disc being shaped to prevent displacement of said valves, and means for securing said discs together.

1,539,128. MEANS FOR CUTTING FABRICS. RUDOLF LOEB, Jenkintown, Pa., assignor to Loeb & Wasch Company, Inc., Camden, N. J., a Corporation of New Jersey. Filed Jan. 28, 1921. Serial No. 440,717. 7 Claims. (Cl. 164—68.)



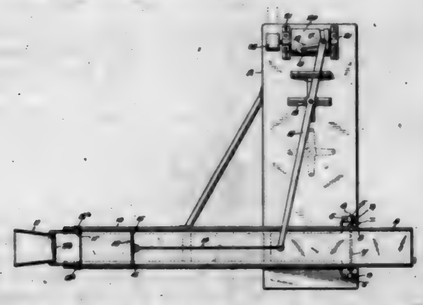
2. The combination in a machine for cutting fabrics, and like materials, of two feed rolls; a reciprocating cutter mounted in one of said rolls; means for imparting movement to the cutter; an operating arm; means for driving said arm; a cam arm having a cam slot therein, the operating arm having a pin adapted to the slot; a shaft on which the cam is mounted; and mechanism for driving the feed rolls from the shaft of the cam arm.

1,539,129. AMERICAN JOURNAL FOR BOOKKEEPING PURPOSES. RUDOLF LORENTZ, Stettin, Germany. Filed May 19, 1923. Serial No. 640,108. 9 Claims. (Cl. 281—44.)



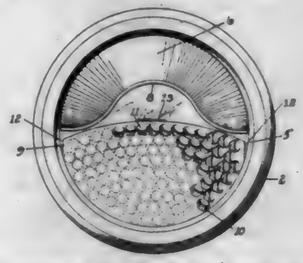
1. In combination with the pages of a book, a holding device for folding and keeping a page folded in order to expose a part of the page beneath it for carrying over purposes, said device comprising means for gripping the page of the book in the folded position; and means for locking the page to the gripping means.

1,539,130. POWER COAL SHOVEL. OSWALD LUSCHNIG, Nokomis, Ill. Filed Feb. 28, 1925. Serial No. 12,808. 2 Claims. (Cl. 198—7.)



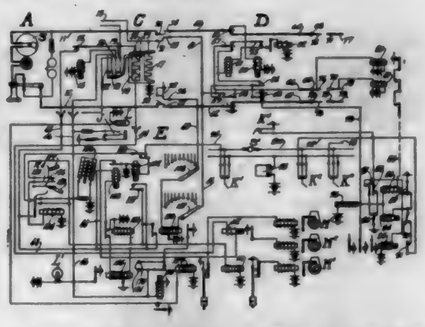
1. A power coal shovel comprising a base, an upwardly inclined chute extending at right angles to the plane of the base and hingedly supported at its upper end upon the latter, means for operatively supporting the lower end of the chute, means for reciprocating the chute back and forth and a shovel hingedly connected to the lower end of the chute, said shovel formed from a single piece of metal bent or folded back upon itself at a point intermediate its ends to form a transverse shoulder or ridge, substantially as and for the purpose specified.

1,539,131. LIGHT DEFLECTOR. CLARK V. MCCARLEY, McClure, Ohio. Filed Feb. 4, 1924. Serial No. 690,871. 1 Claim. (Cl. 240—48.4.)



In an automobile light deflector, a member having a plurality of closely positioned discs located in contiguous areas of the lens of the lamp and extending from the face of the lens of the lamp at different angles, the planes of the discs located at different angles to the planes extending through the centers of the discs and parallel with the axis of the lamp.

1,539,132. AUTOMATIC TELEPHONE SYSTEM. TALBOT G. MARTIN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 15, 1921. Serial No. 452,468. 25 Claims. (Cl. 179—9.)

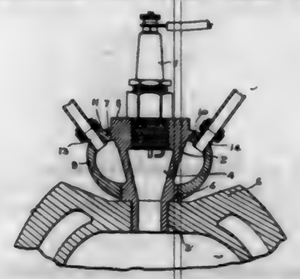


1. In a telephone system, a group of subscribers' lines, a group of trunk lines, individual line switches for extending calling subscribers' lines to idle trunk lines, a meter, and circuit means responsive to the initiation of a call for operating said meter to register the total number of such calls.

1,539,133. SPARK-PLUG ATTACHMENT. ROBERT JOHN MARKLE and CARL LOUIS FALSTREM, Parry Sound, Ontario, Canada; said Falstrem assignor of his interest to Harry Newton Hocken, Toronto, Ontario, Canada. Filed Aug. 13, 1920. Serial No. 403,226. 1 Claim. (Cl. 123—169.)

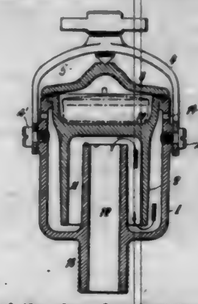
A spark plug attachment comprising a tubular member threaded to enter the engine cylinder and to receive a

plug at the outer end, said member having an annular flange at the top and a threaded flange at the bottom, a casing surrounding said tubular member having a



threaded orifice at the bottom to engage the threaded flange, and a recess in the top to receive the annular flange, and water circulation pipes secured to opposite sides of said casing.

1,539,134. APPARATUS FOR HEATING THE AIR ADMITTED TO THE CARBURETORS OF PETROL ENGINES. MAGNUS EFRAIM MELLGREN, Gottenborg, Sweden. Filed Jan. 27, 1923. Serial No. 615,275. 8 Claims. (Cl. 263—5.)



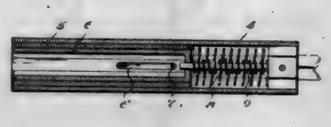
1. A heater of the class described having in combination a casing, a heating body mounted in said casing and having a cavity therein, a heating cartridge adapted to fit in said cavity, a closure for said cavity detachably connected to said casing, said closure having an opening therein, a handle having a longitudinal bore in alignment with said opening, and means for detachably connecting said handle to the closure.

1,539,135. STALK-END LEVELER FOR SHEAF BINDERS. EMIL MÜLLER, Dusseldorf, Germany, assignor to Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany, a Corporation of Germany. Filed June 9, 1924. Serial No. 718,868. 3 Claims. (Cl. 56—169.)



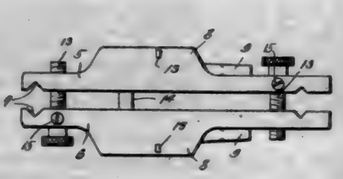
1. A stalk-end leveler for mowing and reaping machines, comprising a butt board, a driving crank connected to the butt board to oscillate the same; a leveling shield; a control rod connected with said shield; a link connected at opposite ends to the control rod and the butt board; and an operating lever for simultaneously adjusting said board and shield.

1,539,136. WRENCH. LOUIS BEARD NEEL, Port Arthur, Tex. Filed Feb. 9, 1924. Serial No. 691,843. 1 Claim. (Cl. 81—185.)



A wrench of the character described comprising an outer socket, a number of sockets nested therein, the inner sockets having slots therein, a transverse pin carried by the outer socket and passing through the slots for securing all of the sockets for operative association, a longitudinally disposed pin having one end secured and its free end passing through an opening formed in the innermost socket, a coil spring surrounding the longitudinally disposed pin for engagement with the innermost socket, and a second coil spring surrounding the spring first mentioned and cooperating therewith to urge the outer ends of the inner sockets in alignment with the outer end of the outer socket.

1,539,137. ADJUSTABLE WRENCH. GEORGE HENRY NELSON, Belvidere, Kans. Filed Sept. 21, 1923. Serial No. 664,078. 1 Claim. (Cl. 81—77.)

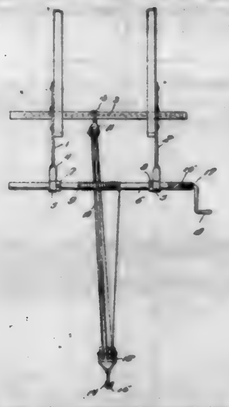


In a wrench, a pair of movable jaws, adjusting screws carried by the jaws for moving the jaws with respect to each other, flanges spaced apart and formed integral with each jaw, operating handles pivotally supported between the flanges and adapted to swing to positions in parallel relation with the jaws, said flanges having openings, pins adapted to extend through the openings and adapted to engage the operating handles to restrict movement of the operating handles, and a guide pin for holding the jaws in alignment with each other.

1,539,138. COMBINED VEHICLE BUMPER AND EXTRACTOR. NOLL M. NICHOLSON, Temple, Tex. Filed Aug. 4, 1924. Serial No. 729,998. 1 Claim. (Cl. 254—166.)

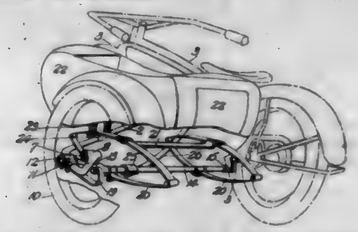
A combination automobile bumper structure comprising a pair of attaching brackets provided with bearings,

a solid cylindrical rod rotatably mounted in said bearings and adapted to function as a bumper and as a drum, said rod being provided at one end with a socket for re-



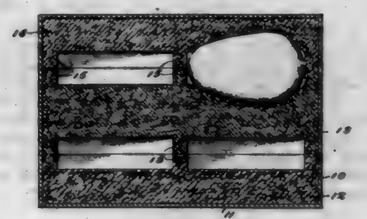
ception of the end of a removable crank handle, and stop collars slidably and adjustably mounted upon said rod and abutting the inner sides of said bearing brackets.

1,539,139. MOTOR-CYCLE SIDE CAR. JAMES ALEXANDER O'CONNOR, Essendon, Melbourne, Victoria, Australia. Filed Jan. 28, 1924. Serial No. 689,086. 4 Claims. (Cl. 208—45.)



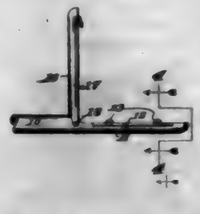
2. In a motor cycle side car, a frame member forming a long lever, a lateral bar pivotally connected to the frame member, a side car body resiliently supported by the lateral bar, and a shock absorber disposed between the frame member and the bar, so that, when the shock absorber is operated, a slight rolling motion is communicated to the bar.

1,539,140. FILLER FOR EGG-SHIPPING CASES AND THE LIKE. WINFIELD S. PALMER, Glenburn, Pa. Filed Feb. 7, 1923. Serial No. 617,567. 3 Claims. (Cl. 217—35.)



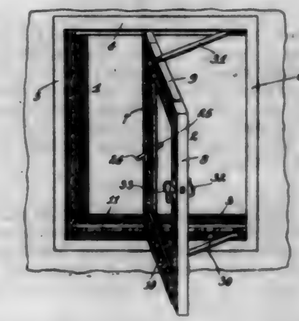
1. As an improved article of manufacture, a body of sponge rubber or the like having regularly spaced recesses formed in a face thereof and adapted, when two such faces are opposed to form chambers slightly smaller than an egg, whereby eggs packed individually in the chambers will be cushioned and preserved from abrupt movements.

1,539,141. SAFETY-RAZOR-BLADE HOLDER. ARTHUR C. PETERSON, Los Angeles, Calif. Filed Nov. 7, 1921. Serial No. 513,263. 1 Claim. (Cl. 30—25.)



A stropping device for safety razor blades comprising a tubular handle terminating in one of a pair of clamping members, said handle member having a semicircular base and a blade projecting from one edge thereof, said blade lying in a plane passing through the edges of the base, said blade having lugs adapted to enter the holes in the razor blade; a second clamping member having a reversely curved base and a blade projecting therefrom adapted when positioned for use to lie parallel to the other blade and spaced therefrom the distance of the thickness of the razor blade, the inner end of said last member being bifurcated to straddle the handle the outer surfaces of the bases of said handle members being in the same plane as the outer surfaces of the handle, one of said bases being a continuation of a part of the handle; a rivet connecting said last member to the handle; and a catch pivoted to the outer end of one of said clamping members, said catch having a U-shaped end which when the catch is positioned for use will engage both clamping members and prevent them from separating.

1,539,142. CASEMENT SASH. ERNEST A. PETERSON, Oakland, Calif. Filed May 31, 1922. Serial No. 564,792. 3 Claims. (Cl. 20—42.)



1. A window comprising a casement and a sash, links pivoted to the casement and the sash, guide grooves in the casement, riders in said guide grooves, said riders having posts projecting therefrom which fit into sockets in said sash, a lever pivoted in said sash, and means connecting said lever and one of said posts whereby the riders may be wedged in the guide grooves.

1,539,143. DENTURE. JACOB PETRY, Pittsburgh, Pa. Filed June 30, 1922. Serial No. 571,887. 6 Claims. (Cl. 32—4.)

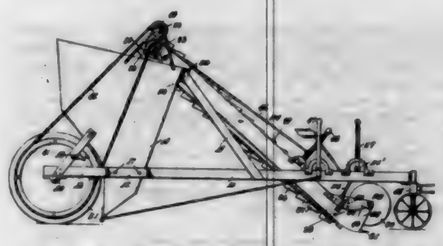
1. A denture having a depression formed therein, and a plurality of suction cups each having a member se-

cured at the bottom of said depression, at least a portion of said cups having sides that are higher than their



ends, the said sides being of such height that they will grip the sides of a ridge when the said ends are brought into engagement with the bottom of such ridge.

1,539,144. DIRT LOADER. PORT A. PRICE, Richmond, Calif. Filed Jan. 7, 1924. Serial No. 684,813. 1 Claim. (Cl. 37—8.)



A dirt elevating device including an endless inclined conveyor, a curved digging element mounted in advance of the lower end of the conveyor and adjacent thereto, guiding means between the digging element and the end of the conveyor for guiding the dirt onto the conveyor, and a packing roller mounted above the digging element and having its periphery concentric with the upper face thereof for packing the dirt immediately prior to its passage to the conveyor.

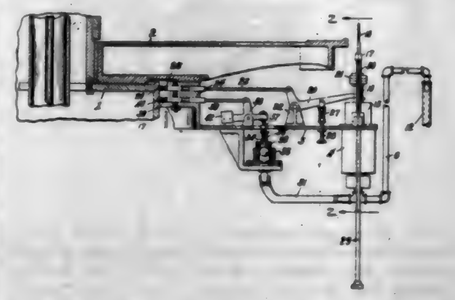
1,539,145. MACHINE FOR CONSTRUCTING REENFORCED-CONCRETE ROADS. JOHN F. ROBB, Cleveland Heights, Ohio, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 22, 1921. Serial No. 454,535. 8 Claims. (Cl. 94—39.)



1. A machine of the class described comprising a carrier adapted to travel over a road bed, a support upon said carrier for a quantity of reenforcing material so that the latter may be dispensed for use in the road construction, a motor, and equipment operable from the motor and attachable to the reenforcement for pulling the latter into place upon the portion of the road where it is to be used.

1,539,146. AIR-CONTROL MEANS FOR GLASS-BLOWING MACHINES. ERNEST C. SCHNADER, Toledo, Ohio, assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 574,680. 4 Claims. (Cl. 49—18.)

1. In a machine of the class described, an air pressure pump including two telescoped hollow cylinders reciprocally movable one within the other and having a check valve controlled air inlet opening and a check valve controlled air outlet opening, the movable cylinder normally standing at the inner end of its pressure



creating stroke, and a control means for the movable cylinder adapted to retain it at the outer limit of its stroke and operable to release the cylinder to permit it to have inward pumping movements of predetermined length and duration.

1,539,147. OPHTHALMIC MOUNTING. WAYNE S. SEARLES, Providence, R. I., assignor to Universal Optical Corporation, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 22, 1922. Serial No. 583,465. 4 Claims. (Cl. 88—53.)



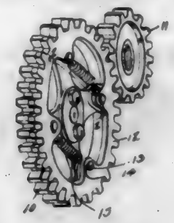
1. In an ophthalmic mounting, a lens frame having an end piece with an ungrooved hinged face, a hinge having a body member, a temple joined by said hinge to said face and provided at its joint end with a transverse groove of a depth substantially the diameter of the hinge-body to receive the same, and arms on the members of the hinge-body extending into the end piece and the temple respectively.

1,539,148. PROCESS OF MAKING ORNAMENTAL TILE. PASCAL SYLVESTER, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,752. 2 Claims. (Cl. 18—60.)



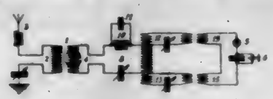
1. The method of manufacturing ornamental tiles or slabs which consists in locating on a confined flat supporting surface a grillage of metal strips arranged edgewise to form open-ended pockets, depositing over said surface and in said pockets a layer of concrete containing an ornamental aggregate, depositing on said first layer, a second layer of concrete of thickness sufficient to cover the upper edges of the strips to a substantial depth, permitting the layers to harden, removing the tile from the supporting surface, and subsequently grinding off the face of the tile and the exposed edges of the grillage.

1,539,149. SILENT-GEAR STRUCTURE. ARGYLE K. THORNBURG, Pleasantville, Iowa. Filed Nov. 13, 1923. Serial No. 674,555. 1 Claim. (Cl. 74—28.)



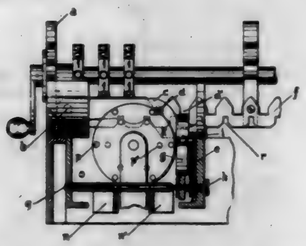
In a silent gear structure, a gear, a hubless gear at the side thereof having inwardly projecting lugs as shown provided with elongated slots, headed bolts projected through said slots and secured to said first gear, and springs each connected with a bolt and with a spaced lug of the second gear.

1,539,150. RECEIVING DETECTOR FOR WIRELESS TELEGRAPHY. OTTO VON BRONK, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany, a Corporation of Germany. Filed Sept. 3, 1921. Serial No. 493,424. 6 Claims. (Cl. 250—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



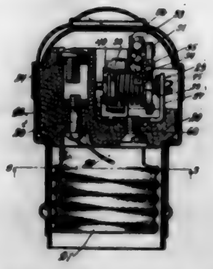
2. The method of receiving electrical oscillations in which the incoming high frequency oscillations are used for the excitation of an alternating current dynamo possessing a natural frequency of its own comprising heterodyning the frequencies obtained by the combining of the signal frequency oscillations and the natural frequency of the dynamo, to produce an audible beat.

1,539,151. CALCULATING MACHINE. GEORG WOLF, Berlin, Germany, assignor to the Firm: Bing-Werke, vormals Gebrüder Bing Aktiengesellschaft, Nuremberg, Germany. Filed July 8, 1922. Serial No. 573,540. 7 Claims. (Cl. 235—63.)



2. Calculating machine comprising in combination, a machine bed, a carriage mounted on said bed for lateral displacement, a ratchet wheel mounted on said bed and gearing with said carriage, pins equidistantly mounted on said wheel and a rigid rockable key lever adapted to cooperate with said wheel in displacing said carriage, two faces being formed on said lever at an angle to one another, one face adapted to raise one pin so as to turn said wheel and another face adapted to form an abutment for the next succeeding pin so as to stop said wheel.

1,539,152. ELECTRIC SWITCH. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1919. Serial No. 327,055. 9 Claims. (Cl. 173—354.)



1. A switch mechanism comprising a rotatably mounted contact member, a rotatable trip member arranged to rotate with said contact member, means including a coil torsion spring for actuating said trip member and contact member, an oscillatable ratchet member, and a tubular member within said spring having an eccentric portion on one end for moving said trip member to release it and permit it to be actuated by said snap spring, said member having on the other end a ratchet portion struck up therefrom for cooperation with said oscillatable ratchet member.

1,539,153. FLOWER-VASE INSERT. ARTHUR JAMES BENNETT, Cambridge, Ohio. Filed Mar. 27, 1924. Serial No. 702,238. 7 Claims. (Cl. 47—41.)

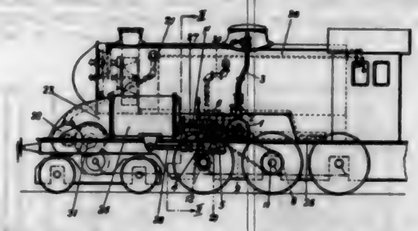


2. A flower holding insert for vases, including a body having spaced vertical and horizontal projections on its exterior to engage the vase and prevent binding of the body in the vase, and flower stem supporting means carried by the body.

6. A flower holding insert for vases composed of a substantially cylindrical tubular body having its upper end formed with a series of solid spaced fingers that project beyond the upper end edge of the body and extend inwardly to form flower-stem receiving seats.

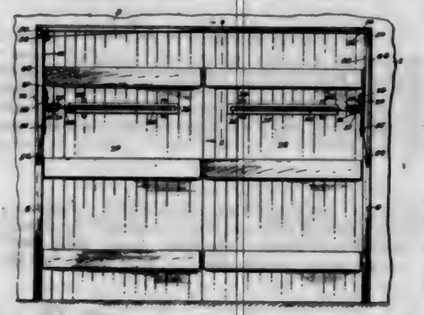
1,539,154. DRIVING MEANS FOR AUXILIARY MACHINES ON CONDENSING STEAM LOCOMOTIVES. HEINRICH BOLTSHAUSER, Zurich, Switzerland. Filed Nov. 14, 1924. Serial No. 749,959. 9 Claims. (Cl. 105—38.)

1. In a condensing steam locomotive in combination, a main driving engine, an auxiliary prime mover, auxiliary machinery, and means adapted to operatively connect said auxiliary machinery to moving parts of the locomotive adapted to drive the auxiliary machinery



when the locomotive exceeds a certain speed of travel and to operatively connect said auxiliary machinery to said auxiliary prime mover as soon as the rate of travel falls below that limit.

1,539,155. GARAGE-DOOR OPENER AND CLOSER. HERMAN W. BRANDT, Antigo, Wis. Filed Dec. 6, 1922. Serial No. 605,202. 3 Claims. (Cl. 268—9.)



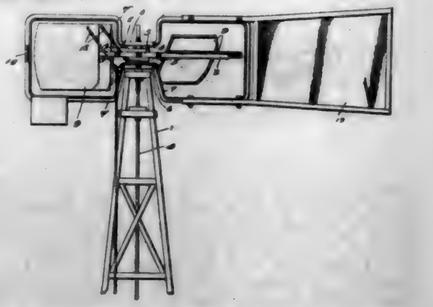
1. In a door opening and closing mechanism, in combination with the vertical door frame members and the doors hinged thereon, a plate mounted on each of said frame members, a bevel gear journalled on said plate in a vertical plane, a radial operating lever rigid with said gear, a second bevel gear journalled on said plate perpendicular to said first gear and in mesh therewith, an arm rigid with said second gear, a guide strap secured to the face of the door, a sliding connection between the outer end of the arm and said guide strap and pull cables connected with each of said operating levers for controlling the opening and closing of said doors.

1,539,156. PEACH SEEDER. JOSEPH P. BURGESS, Depauw, Ind. Filed Jan. 28, 1924. Serial No. 689,119. 1 Claim. (Cl. 146—31.)



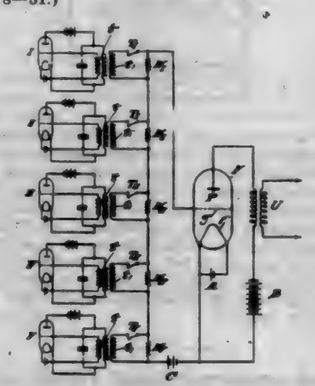
A tool for extracting seeds from peaches, comprising pivotally connected levers each having a handle at one end and a spoon shaped jaw at its other end, the two jaws being opposed, similar and imperforate, the outer surface of each jaw being smooth and curved transversely and longitudinally, the free ends of the said outer surfaces converging toward each other and the opposite ends of said surfaces converging toward the handles.

1,539,157. WINDMILL. CHARLES CHEREPES, Toledo, Ohio. Filed June 22, 1923. Serial No. 647,164. 2 Claims. (Cl. 170—29.)



2. A windmill of the class described comprising a tower, a frame rotatably mounted at the upper end thereof, a tail carried by the frame, a wheel rotatably mounted within the frame, a shaft connected with the wheel, blades hinged to the spokes of the wheel off center so that they normally occupy a vertical position, an arc-shaped track having bent ends, arms on the blades, a roller on each arm for engaging the track to move the blade into horizontal position, a movable section of track arranged in the space between the ends of the first track which acts to prevent the blades assuming a vertical position when raised, the movable section being corrugated so that it will act as a brake for the blades, manual means for raising and lowering the movable section of track, a latch for preventing retrograde movement of the wheel and a wind shield connected with the frame for shielding the horizontally arranged blades from the wind.

1,539,158. TRANSMITTER FOR MULTIPLEX ALTERNATING-CURRENT TELEGRAPHY. ARTHUR CLAUSING, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Sept. 9, 1922. Serial No. 587,150. 1 Claim. (Cl. 178—51.)



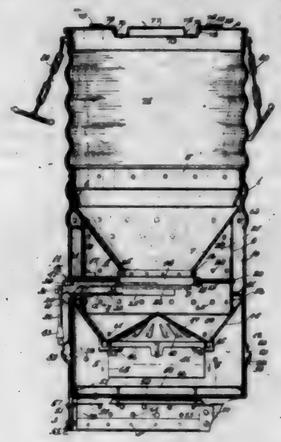
In a transmitting system for multiplex alternating current telegraphy, in combination a plurality of oscillating current transmitters each comprising a thermionic tube and its associated circuits, an aperiodic circuit for each transmitter, suitably coupled to its circuits, and containing an ohmic resistance and an operating key, and one common thermionic tube amplifier for all of said transmitters having a grid circuit in which the resistances of all of said aperiodic circuits are arranged in series.

1,539,159. COVER FOR FOOT SUPPORTS. PAUL SAMUEL COHEL, Lincoln, Nebr. Filed July 22, 1922. Serial No. 576,766. 1 Claim. (Cl. 15—265.)



The combination with a foot support having a stepped portion at one end, of a cover for the foot support comprising a member having a stepped portion at one end, of means for preventing lateral and longitudinal movement between the cover and support comprising a peripherally continuous depending, curved, inwardly-directed, flexible support-gripping flange, integrally formed with said cover portion.

1,539,160. CAR HEATER. EDWARD P. COLE, Chicago, Ill., assignor to Cole Manufacturing Company, Chicago, Ill., a Corporation. Filed Mar. 12, 1920. Serial No. 365,254. 11 Claims. (Cl. 126—156.)

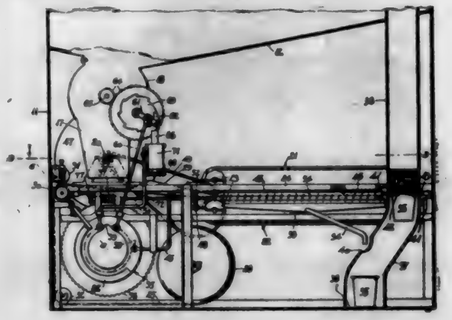


1. In a heater of the class described, the combination of a casing having a combustion chamber, a fuel magazine thereabove with a bottom tapering to a discharge opening which leads into the upper end of the combustion chamber, a shell spaced from the wall of the casing and said tapered bottom and forming a draft passageway from the combustion chamber separated from the tapered bottom by an air space, and a horizontal partition mounted in said shell adjacent the lower end of the tapered bottom, and separating the air space from the combustion chamber.

1,539,161. COIN-CONTROLLED PRESS. ANGELO COLUMBRO, Cleveland, Ohio. Filed Dec. 26, 1923. Serial No. 682,692. 19 Claims. (Cl. 225—21.)

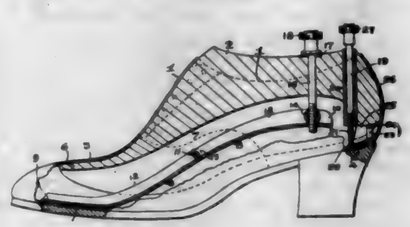
1. A machine of the character described having means for holding a supply of articles, means for feeding a predetermined amount of the articles from said means, means for crushing and pressing the articles delivered by said feeding means, means for delivering the juice expressed by the last-named means, and automatic operating means for said second and third named means so that by one continuous operation a predetermined quantity of the articles is fed from the second named means and crushed and pressed by the third named means.

5. A machine of the character described comprising a press, operating means controlling said press, and a cup dispensing device controlled by said operating means to deliver a cup to receive the juice expressed by said press.



12. A machine of the character described having means for holding a supply of articles, controlled means for feeding a predetermined amount of the articles from said holding means, means for crushing the articles delivered by said feeding means, and a continuous press for receiving and pressing the pulp delivered by said crushing means.

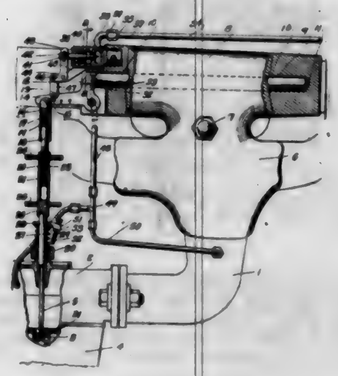
1,539,162. MECHANICAL SHOE FORM. FREDERICK E. COMSTOCK, Valparaiso, Ind., assignor of one-half to George La Force, Valparaiso, Ind. Filed Mar. 2, 1922. Serial No. 540,424. 5 Claims. (Cl. 12—128.5.)



1. In shoe forms, a specially shaped single piece last having a recess formed on the under side lengthwise thereof, a movable tongue extending from the toe portion of the last to near the heel portion thereof, said tongue being pivoted to the side walls of the recess, a threaded member pivoted to the tongue near its rear end, adjusting means cooperating with the last and the threaded member adapted to move the rear end of the tongue upward and simultaneously move the front end of the tongue downward against the shoe sole so as to move the toe portion of the last upward and thus press the last against the front of the shoe upper.

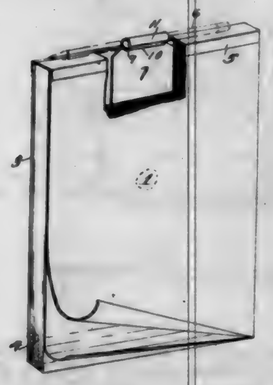
1,539,163. VALVE-OPERATING MECHANISM. WILLIAM E. CONCANNON, Kansas City, Mo., assignor of one-half to Thomas G. Concannon, Emporia, Kans. Filed Mar. 28, 1924. Serial No. 702,608. 4 Claims. (Cl. 123—25.)

1. A controlling means for carburetors for internal combustion engines comprising a block, means for securing the block to the manifolds of an internal combustion engine, a thermostatic element in the block, a carburetor controlling mechanism movable in response to the expansion action of the thermostatic element to actuate a carburetor valve to closing position, a water chamber, means for feeding water to the chamber, a pipe having ported communication with the chamber and



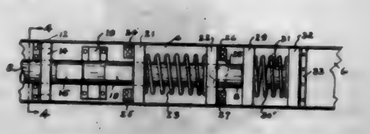
adapted to communicate with the intake manifold of the engine, a valve for varying the effective port area of the port communicating the pipe with the chamber and means actuated synchronously with the carburetor controlling mechanism for controlling the movement of the water port controlling valve.

1,539,164. PENCIL HOLDER. COLONEL J. CURTIS, Osage City, Kans. Filed Feb. 8, 1924. Serial No. 691,436. 1 Claim. (Cl. 281—30.)



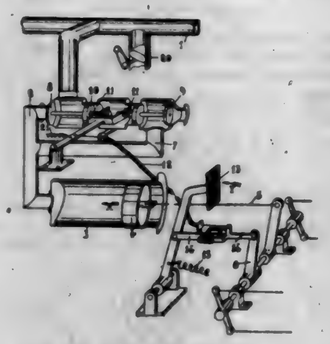
The combination with a tablet having a cardboard back and a plurality of leaves, said back being secured to the leaves by an adhesive strip at one end thereof, of a pencil holder, said holder comprising a flat metallic plate disposed between the cardboard back and the pieces of paper and adhesively joined to the inner side of the back, the outer end of said plate extending through an elongated slot in the adhesive strip, a right angularly disposed arm carried by the plate at its outer end and engaging the outer side of the adhesive strip and extending towards the front of the tablet and a pencil receiving roll carried by the right angularly disposed arm and extending rearwardly, outwardly and forwardly.

1,539,165. DRAWBAR DRAFT GEAR. GEORGE S. DE BURGER and JOHN E. BAYLESS, Indianapolis, Ind. Filed Mar. 8, 1924. Serial No. 697,842. 5 Claims. (Cl. 213—46.)



1. In a draw bar draft gear, supporting members, an integral draw bar between the supporting members, shoulders on the supporting members, driving lugs extending from the draw bar and adapted to contact said shoulders by appreciable travel of said draw bar, a guiding member rigidly carried by said supporting members slidingly carrying said draw bar and preventing the forward withdrawal of the draw bar by reason of the lugs projecting therefrom, said guiding member having slots therein to permit passage of the lugs therethrough upon axial rotation of the draw bar, and means of preventing rotation of the draw bar.

1,539,166. MOTOR BRAKE. ALBERT DEWANDRE, Liege, Belgium. Filed Jan. 12, 1924. Serial No. 685,814. 3 Claims. (Cl. 188—154.)

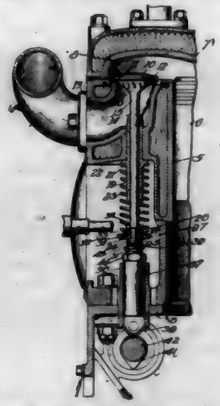


1. In a brake system for motors, the combination, with a suction pipe, and rodding for the brakes, of: a brake cylinder capable of being placed in communication with the suction pipe or with the atmosphere, a piston working therein and on which the engine suction acts to effect the braking operation, closure members for controlling the communication of the cylinder with said pipe and with the atmosphere, a brake-operating element, a lost-motion connection between said operating element and the brake-rodding embodying two movably-related parts, and a movable element for actuating said closure members operatively associated with said lost-motion connection so that its position depends upon the distance between the movably-related parts of said lost-motion connection.

1,539,167. VALVE. HUGO DIEL and JAMES B. FISHER, Waukesha, Wis. Filed Oct. 1, 1919. Serial No. 327,760. 5 Claims. (Cl. 251—182.)

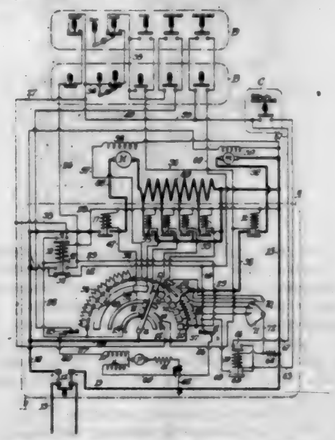
1. In an internal combustion engine, the combination of a valve passage having a valve seat, a poppet valve seating thereon, flutes milled in said valve for rotating said valve under the impulse of the fluid passing therethrough, a stem for said valve, a tappet for raising said valve, a compression spring for closing said valve, a reduced shank portion in said valve stem, said reduced shank portion forming a head on the end of said valve

stem, a thrust collar on the end of said valve-stem, said collar comprising two separable collar sections, said collar sections being bored out with different diameters to en-



gage over said reduced shank portion and over said head, said collar projecting below said valve stem for engagement by said tappet, and a washer carried by said collar for receiving the pressure of said spring.

1,539,168. MOTOR-CONTROL SYSTEM. CHARLES A. DRESSEN, New York, N. Y., assignor to Cline Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 7, 1923. Serial No. 643,831. 22 Claims. (Cl. 172—179.)



2. In a motor-control system the combination with a power-actuated controlling member for the motor circuit and a series of switches for controlling the operation of said member, of means controlled by said member, when one of said switches is operated, for automatically arresting said member at a predetermined point intermediate the ends of its path of travel and an adjustable device for variably predetermining the point at which the controlling member is so arrested.

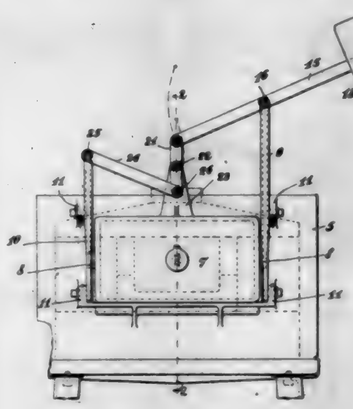
1,539,169. SPINDLE. ROBERT W. DONLEY, Philadelphia, Pa. Filed Jan. 19, 1924. Serial No. 687,317. 1 Claim. (Cl. 118—65.)

A device of the class described comprising a tubular support having a ball seat at its upper end and a threaded lower end, a nut engaging the screw threads for attaching the support to a platform, a grease cup threaded to the lower end of the support and adapted to force lubricant through the support to the ball seat, a ball in the seat, a holder having a socketed pulley member at



its lower end for receiving the upper part of the support so that the holder will rest upon the ball, said pulley member having an annular groove adjacent its lower end and a latch member connected with a part on the support and engaging the groove.

1,539,170. DOOR-OPERATING MECHANISM. WILLIAM BARTON EDDISON, Irvington, N. Y., assignor to The Surface Combustion Co., Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 24, 1919. Serial No. 326,925. 2 Claims. (Cl. 268—8.)

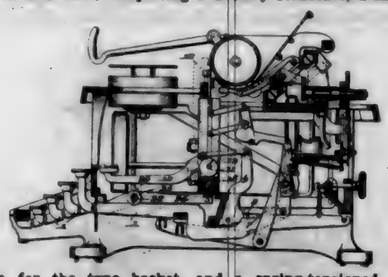


1. In a door operating mechanism, the combination of a door, vertical parallel guides for said door, said guides having their upper ends at different vertical levels, a pivot carried by said door, and levers connecting said pivots to the upper ends of said guides and forming a straight line motion whereby a straight line lifting movement may be applied to said door by applying force to one of said levers.

1,539,171. TYPE-BASKET SHIFT FOR TYPEWRITERS. HALCOLM ELLIS, Newark, N. J. Original application filed Feb. 5, 1919, Serial No. 275,118. Divided and this application filed Feb. 19, 1923. Serial No. 620,088. 2 Claims. (Cl. 197—74.)

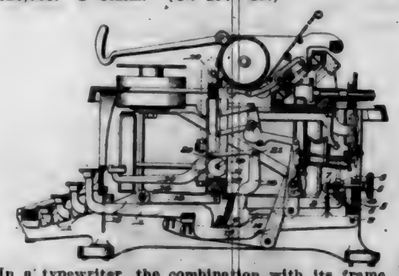
1. In a typewriter, the combination with a shiftable type basket, and means for limiting its play, of a pair of operating key levers for shifting the type basket, a

shaft to which said key levers are connected, the key levers and shaft comprising a unitary structure, a lifting



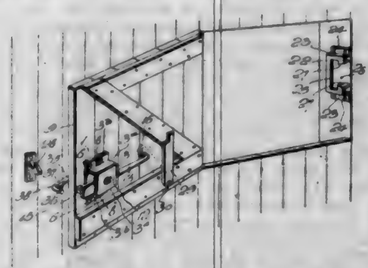
arm for the type basket, and a spring-tensioned lost-motion upright connection between the shaft and the arm.

1,539,172. KEY-LEVER TENSION FOR TYPEWRITERS. HALCOLM ELLIS, Newark, N. J. Original application filed Feb. 5, 1919, Serial No. 275,118. Divided and this application filed Feb. 19, 1923. Serial No. 620,089. 1 Claim. (Cl. 197—33.)



In a typewriter, the combination with its frame, and key levers, of a swinging plate hinged on the frame and disposed above the key levers, a single rod carried by said plate above, and crosswise of, the key levers, suspension coil springs connecting said rod to the several key levers, and an adjusting screw engaged with the frame and plate, adapted to shift said plate to thereby simultaneously adjust the tensions of all of the springs.

1,539,173. DOOR AND GATE FASTENER. WILLIS J. FAIRBANK, Soldier, Kans. Filed July 7, 1924. Serial No. 724,676. 5 Claims. (Cl. 292—214.)



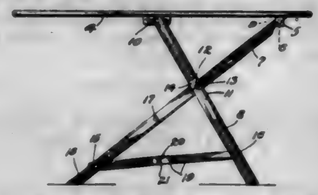
1. A latch comprising a base, a latch lever pivoted on said base in laterally spaced relation therewith, said latch lever having a lateral lug spaced from its pivot and projecting toward said base and the latter being provided with a lateral abutment extending toward said lever and overlapping said lug, and a spring having two arms straddling said lug and abutment, whereby when the latch lever is swung in either direction, one arm of the spring will act against said lug and the other arm will re-act against said abutment.

1,539,174. BUTTON. JULIUS FISCHL, New York, N. Y. Filed Dec. 4, 1924. Serial No. 753,919. 1 Claim. (Cl. 24—90.)



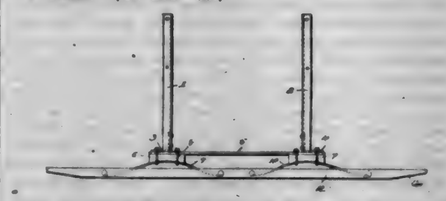
A garment button comprising a one piece head of compressed material, a shallow central depression in the back portion of said head shaped to guide the point of a needle without substantial interference across the back of said head; a loop shank seated in said central depression and protruding slightly beyond the back of said head with the ends thereof flattened or upset adjacent the front surface of said head; the size of said head being so proportioned with relation to the amount of protrusion of said loop shank that when the button is sewed to a garment said head will set close to the material and said shank will be invisible.

1,539,175. IRONING BOARD. ADAM C. FLECK, Minneapolis, Minn. Filed Jan. 12, 1922. Serial No. 528,695. 4 Claims. (Cl. 68—10.)



1. An ironing board having inner and outer pivoted pairs of leg bars in cross selation and arranged to be folded in the same direction onto the ironing board, a tie rod connecting the inner pair of leg bars and arranged to engage between the leg bars of the outer pair, enter lock notches at the inner faces thereof and engage said faces, thereby being held against endwise movement, and a toggle pivoted to the pairs of leg bars for holding the same spread and the tie rod interlocked with the notches.

1,539,176. AUTOMOBILE BUMPER. JAY D. FRY, Colon, Mich. Filed July 28, 1924. Serial No. 728,077. 1 Claim. (Cl. 293—55.)

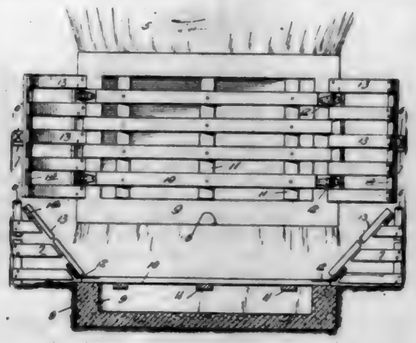


An automobile bumper comprising a pair of supporting brackets, a metallic strip extending transversely across the forward ends of the brackets, wooden blocks at the ends of said strips, a semi-elliptical leaf spring secured at its intermediate portion to each block, the ends of each spring being looped, a pair of elongated wooden bars extending across the upper and lower edges respectively of the forward portions of the springs, said bars being spaced from the wooden blocks, and fastening bolts extending through the bars and the looped ends of the springs.

1,539,177. GATEWAY. ELMER E. GARDHOUSE, Palmyra, Mo. Filed Aug. 30, 1923. Serial No. 660,121. 2 Claims. (Cl. 30—5.)

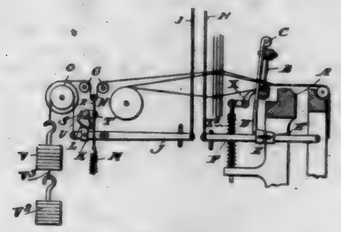
1. A gateway for farms or the like comprising a slatted floor adapted to be supported flush with the ground to cover a pit dug in the latter at the entrance

of the farm or the like, the slats of said floor being in spaced relation to exclude the passage of animals thereover while permitting the free passage of a motor



vehicle thereover, and slatted gates hinged to the sides of said floor and embodying slats adapted to jointly cooperate for closing the spaces between the slats of the floor when said gates are lowered.

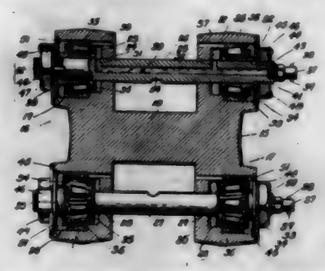
1,539,178. LOOM. JOACHIM GIARDINO, West New York, N. J. Filed June 17, 1922, Serial No. 569,124. Renewed Nov. 6, 1924. 11 Claims. (Cl. 139—27.)



9. In an apparatus of the class described, comprising a beam, spaced rollers over which the warp from said beam is adapted to pass, tensionally controlled means positioned between said spaced rollers around which the warp passes for placing the warp constantly under slight tension, and means cooperating with said tensional means for adavncing the warp to permit of the formation of a loop or loops, said last named means comprising a lever commanded by the dobby of the apparatus, a cam actuated by said tensional means, a block on said lever and adapted to cooperate with said cam, a belt coupled with the end of said lever and passing around the beam and provided at its end with a weight.

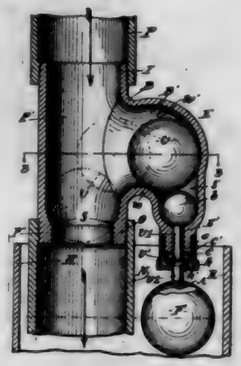
1,539,179. SPRING CONNECTION FOR MOTOR VEHICLES. CHARLES I. GOODWIN, Kansas City, Mo. Filed Oct. 7, 1922. Serial No. 593,053. 1 Claim. (Cl. 267—54.)

A spring connection for motor vehicles comprising a support having spaced antifriction bearings located at opposite sides of the support, a hollow bolt mounted in the bearings and extending entirely through and projecting beyond both sides of the support exteriorly of the same, the opening in the hollow bolt extending from one end thereof, and terminating short of the other end of the same and the said bolt having ports leading from the opening to the bearings, nuts directly engaging the ends of the bolt and holding the same against longitudinal movement in the said bearings, a spring having a loop and encircling the bolt between the bearings, and a pin passed transversely through the loop of the spring beyond the opening in the bolt and arranged in a notch



in the latter whereby the loop of the spring is directly secured to the hollow bolt for preventing independent rotary and longitudinal movement of the loop and the bolt.

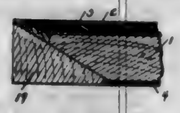
1,539,180. VALVE. ARTHUR H. B. GOBB, Maricopa, Calif. Filed Oct. 18, 1922. Serial No. 595,408. 4 Claims. (Cl. 226—127.)



1. A filling nozzle for tanks and the like having an inlet and outlet vertically alined for receiving and discharging a fluid into a tank, a ball valve adapted to be held in the lower portion of said nozzle for closing said outlet, a laterally disposed chamber communicating with and above said outlet for normally supporting said valve when said outlet is open, an operating member including a float adapted to be suspended into said tank and provided with means thereon for engagement with and dislodging said valve from said chamber for closing said outlet, when a predetermined level of the liquid is attained in the tank, said operating member being extended from said nozzle for connection with said float, and an auxiliary valve connected with said chamber and adapted to be closed by the pressure in said nozzle when said main valve is closed, for preventing the leakage of the fluid around the operating member, said chamber having a lower wall portion engaging the periphery of said ball valve whereby said valve will be held in open position by gravity.

1,539,181. METHOD OF ATTACHING LINOLEUM. LOUIS C. GREINER, Evansville, Ind. Filed July 24, 1924. Serial No. 727,952. 3 Claims. (Cl. 45—31.)

3. A desk or table top comprising a base of relatively hard material having sides at right angles to its upper face, a covering of flexible material secured to the upper face of the base, strips of similar material secured to its sides, and edge strips extending along the meeting edges of the sides and upper face extending into the base at an angle oblique to the plane of the upper face and having



the upper and side faces of their outer edges in the planes of the upper surface of the top covering and the outer surfaces of the adjacent side covering respectively.

1,539,182. PEDAL ATTACHMENT FOR ACCELERATING LEVERS. LESLIE S. HACKNEY, Pasadena, Calif. Filed June 1, 1923. Serial No. 642,769. 4 Claims. (Cl. 74—81.)



1. In combination with an accelerator foot lever, a rotatable antifriction device, a support in which said rotatable device is journaled, means on said support for clamping the device to said foot lever and a device secured into said support for reinforcing its strength.

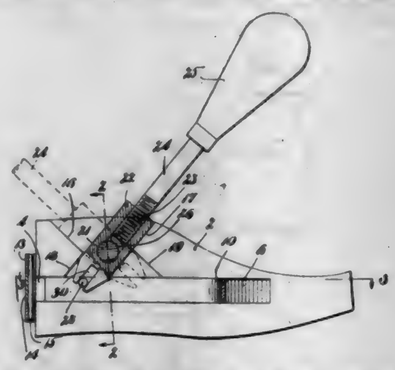
1,539,183. PLASTER BOARD. JOSEPH F. HAGGERTY, Buffalo, N. Y., assignor to Universal Gypsum Company, Chicago, Ill., a Corporation of Delaware. Filed July 23, 1921. Serial No. 487,004. 4 Claims. (Cl. 154—45.9.)



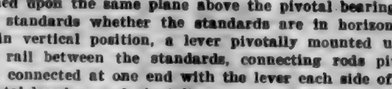
3. A plasterboard comprising a body made of plastic material, a sheet of fibrous covering material secured to each face of said body portion, each of said sheets of covering material having its marginal portions extending around the opposite edges of said body and over onto the marginal portions of the opposite faces of said body and overlapping, the corresponding marginal portions of the other sheet, the overlapping portions of said covering material being secured together by an adhesive.

1,539,184. STRETCHING APPARATUS. JOHN S. HANSEN, Brockton, Mass.; Elvena G. Hansen, executrix of said John S. Hansen, deceased, assignor to O. A. Miller Treeing Machine Company, Brockton, Mass., a Corporation of Massachusetts. Filed Feb. 25, 1922. Serial No. 539,273. 1 Claim. (Cl. 12—128.5.)

Apparatus of the kind described, adapted to be applied to boots and shoes, consisting in expansible and collapsible members in the form of a skeleton last and pivotally mounted together at their rear ends, an expansion member enclosed within said members and adapted to reciprocate in a direction longitudinal to the said members, a horizontally arranged shaft in said members, a member rotatably mounted on said shaft and associated with the expansion member, and a threaded lever associated with said rotatably mounted member for oscillating the said member to cause a movement of the expansion member and to lock the said rotatable member in adjusted position on said shaft.

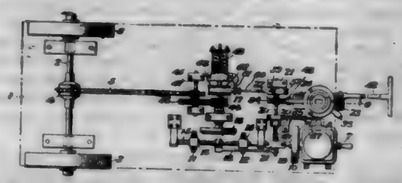


1,539,185. DAY BED. EDWARD HEIN, Grand Rapids, Mich., assignor to Foot Reynolds Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Apr. 12, 1924. Serial No. 706,078. 1 Claim. (Cl. 5—21.)



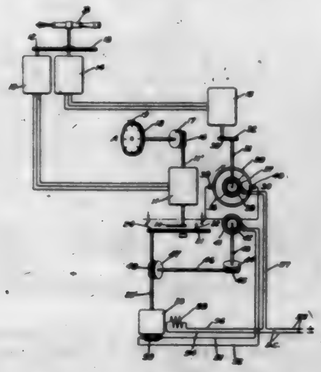
In day bed construction, a frame having vertically disposed side rails, a standard pivotally mounted upon one of said side rails near each end and near the lower edge thereof, an arm integral with and extending to one side of each standard and so positioned that the vertical distance of the end of said arms will be positioned upon the same plane above the pivotal bearing of the standards whether the standards are in horizontal, or in vertical position, a lever pivotally mounted upon the rail between the standards, connecting rods pivotally connected at one end with the lever each side of its pivotal bearing, and pivotally mounted at the other ends upon the ends of the arms on the standards, plain standards pivotally mounted upon the other bed rail in position to pair with the first named standards, and supporting beams secured to and connecting the upper ends of the standards in pairs, all so mounted that the operation of the lever will cause the standards to raise, lower and support the bed and bedding upon the cross beams.

1,539,186. MOTORIZED PULL TRUCK. EDGAR W. HELLER, Newark, N. J. Filed July 11, 1923. Serial No. 650,809. 44 Claims. (Cl. 180—54.)



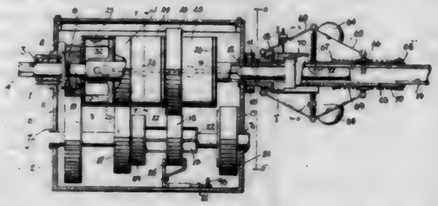
1. A motorized pull truck comprising a truck body, transporting wheels, a motor, a pull element adapted for drawing the truck, and means operated by the pull element to connect the motor to the transporting wheels.

1,539,187. MEANS FOR REPRODUCING POSITION. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Dec. 27, 1921. Serial No. 524,882. 4 Claims. (Cl. 272—289.)



1. Means for reproducing position comprising in combination with a controlling object and a driven object, a fine reproducer of angular movement responsive to movement of said controlling object operatively connected to said driven object, and a coarse reproducer responsive to movement of said controlling object for determining the number of whole revolutions of said fine reproducer but leaving it free in a particular revolution to move the driven object into agreement with the controlling object.

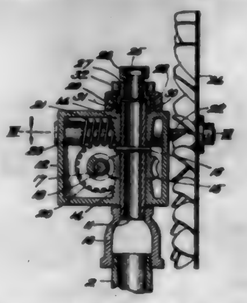
1,539,188. AUTOMATIC TRANSMISSION FOR MOTOR VEHICLES. HENRY R. HOFFMAN, Chicago, Ill. Filed Feb. 17, 1923. Serial No. 619,689. 3 Claims. (Cl. 74—97.)



1. In a device of the type described, a hollow drive shaft, a clutch mechanism, a sliding cam disposed in said drive shaft and arranged to operate said clutch mechanism, a governor rotatably mounted on said drive shaft, a sleeve slidably mounted on said drive shaft yieldably connected at one end of said governor, a pair of cooperating locking members slidably supported at the opposite end of said governor, said locking members each being provided with a plurality of steps, and one of said locking members being relatively close to said shaft at its inner end, and the steps on the other locking member being arranged to lie away from said drive shaft at its inner end, and means associated with said locking members and with said governor, whereby said locking members may be actuated when said governor expands or contracts to permit said sleeve to become engaged with certain steps of said locking members with a quick forceful movement.

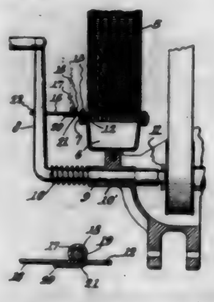
1,539,189. LAWN SPRINKLER. LOUIS E. HOLLAND, Kansas City, Mo. Filed Sept. 4, 1923. Serial No. 660,730. 2 Claims. (Cl. 299—68.)

1. In a lawn sprinkler, a stationary upright water tube, a box journaled directly thereon for horizontal rotation, a nozzle carried by the box and in communication with the said tube, a horizontal shaft journaled in the box, a bladed water spreader wheel on the shaft with its blades in the line of water discharge from the nozzle to receive the impact of the water to turn said shaft, a worm on said shaft, a worm wheel within the box and rigid on the said tube, a horizontal shaft journaled in the



box in the horizontal plane of the worm on the tube and extending at right angles to the first-named horizontal shaft, and a worm and worm wheel on said second shaft and respectively enmeshed with the worm wheel on the tube and the worm on the first-named shaft for utilizing the resistance of the last-named worm wheel to rotate the box on the said tube when the wheel is turned around its own axis by water from the nozzle.

1,539,190. CRANK HOLDER. AMBL W. HOOKOM, Iowa City, Iowa. Filed May 10, 1924. Serial No. 712,328. 2 Claims. (Cl. 74—33.)



1. A device for holding a crank of an automobile against turning movement, comprising a substantially horizontal part adapted to be mounted upon the forward end of the automobile and having a knuckle, a substantially horizontal resilient tongue carried by the horizontal part and projecting forwardly beyond the knuckle, a swinging part for engagement with the crank and having a knuckle, means pivotally connecting said knuckles so that the knuckle of the swinging part is in permanent frictional engagement with the resilient tongue, said resilient tongue supporting the swinging part when in the horizontal position, and securely holding the same in the vertical inactive position when shifted thereto.

1,539,191. WINDOW-SILL BOLT. FRANK E. HUME, New York, N. Y. Filed Aug. 20, 1923. Serial No. 658,204. 6 Claims. (Cl. 20—72.)

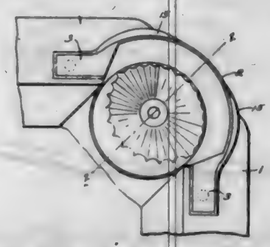
1. In a device of the class described, the combination with a support having an outer accessible side and an inner inaccessible side, said support provided with two apertures, a U-shaped bolt having a crotch portion engaging the rear side of the support and threaded ends

extending forwardly through the apertures, a face plate provided with a head adapted to be engaged by a belt clip, said plate positioned on the outer side of the sup-



port and nuts engaging the threaded ends of the bolt and bearing on the face plate to secure the same in position.

1,539,192. POCKET FOR POOL TABLES. GUSTAV A. JAEGER, Morrison, Ill. Filed Aug. 6, 1923. Serial No. 656,058. 1 Claim. (Cl. 273—12.)



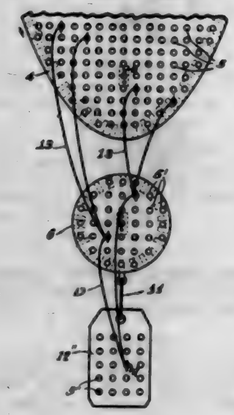
In a device of the class described, in combination with an arcuate pool table iron, having a recess in its inner face, and a supporting member at a central point in said recess; a ball pocket adapted to be secured at its upper edge in said recess, and provided with a metal band attached thereto, said pocket and band being fitted with means for releasable engagement with said supporting member; and fastening means at the ends of said band, for holding the same releasably in said recess, with the inner face of the band flush with the face of said iron.

1,539,193. WATERPROOF COATING AND PROCESS. HENRY G. JAEGER, Rose Hill, Calif., assignor of one-fourth to Dr. Everett R. Lambertson, and one-fourth to George P. Clements, both of Eagle Rock City, Calif., and one-fourth to Julius Schneider, Los Angeles, Calif. Filed Oct. 4, 1922. Serial No. 592,420. 4 Claims. (Cl. 91—68.)

1. The method which comprises applying an oil sizing or excluding agent to a surface to be coated in sufficient quantity to overcome suction without actually filling the pores thereof, and afterward applying thereto an oxychloride cement thinned to the desired consistency and capable of undergoing crystallization throughout its mass and partially within said pores.

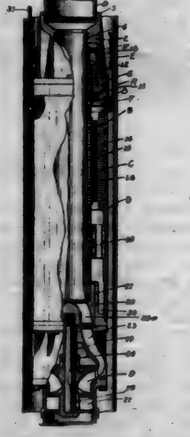
1,539,194. EDUCATIONAL APPLIANCE. ALFRED KORZYBSKI, New York, N. Y. Filed July 6, 1923. Serial No. 649,844. 4 Claims. (Cl. 35—12.)

1. In a device of the character described, the combination of a body shaped to denote a figure of indefinite extent and having a number of points of attachment, a plurality of bodies shaped to denote bodies of finite extent, each of which bodies has a plurality of points of attachment, cords extending from various points of attachment in said first-named body to each of said plu-



rality of bodies, a plurality of additional bodies each provided with a number of points of attachment, and lines of attachment extending from said first-named plurality of bodies to said second-named plurality of bodies.

1,539,195. SUBMERGED PUMPING UNIT. ALOIS KREMSER, San Francisco, Calif. Filed Mar. 29, 1922. Serial No. 547,832. 18 Claims. (Cl. 103—87.)

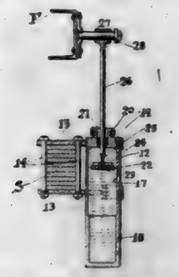


1. A deep well pumping unit comprising an electric motor, a pump driven thereby, said pump having an inlet and a discharge connection, a hollow shaft in the motor, a stationary pipe extending through the hollow motor shaft, and means for directing the discharge from the pump through said stationary pipe.

1,539,196. SNUBBER. IRA E. LITTEN, Orange, Calif. Filed July 5, 1924. Serial No. 724,504. 1 Claim. (Cl. 188—88.)

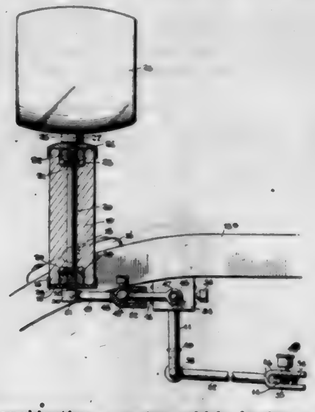
A snubber comprising a cylinder, one end of which is provided with a reduced bore, a fluid in said cylinder, a piston adapted to reciprocate in said cylinder, means

permitting said piston to be easily forced from one end to the other of said cylinder during its downward



stroke, and means tending to prevent the movement of said piston in the opposite direction for substantially the first half of its return stroke.

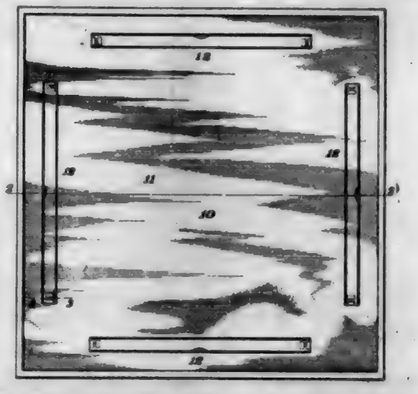
1,539,197. HEADLIGHT. FRED J. LONG and WILLIAM H. EMERY, Carbondale, Colo. Filed May 4, 1923. Serial No. 636,713. 2 Claims. (Cl. 240—62.)



1. In combination, a motor vehicle having a steering mechanism including the usual steering knuckles and connecting rods therebetween, shafts rotatably mounted on the vehicle, a pair of headlights rigid with said shafts, a rock arm rigid with each shaft, the free end of the rock arm being provided with a sleeve, a socket at the inner end of the sleeve, said sleeve being provided with slots, a rod having a ball mounted in the socket of each sleeve with the rod movable through the slots in a respective sleeve, a rod disposed transversely of the motor vehicle and longitudinally shiftable, and means connecting the end of said rod with the ball equipped rods, and means connecting the transversely disposed rod with the connecting rod associated with the steering knuckles.

1,539,198. GAME BOARD. LUCIEN A. MARSH, Mill Valley, Calif. Filed Feb. 12, 1923. Serial No. 618,503. 8 Claims. (Cl. 273—136.)

1. A rectangular game board adapted for use in playing a game employing flat oblong playing pieces, said board having a plane playing surface, V-shaped grooves formed in said playing surface parallel to the sides of the game board, said grooves being adapted to receive and support playing pieces at an angle with relation to the vertical, and filler members fitted in said grooves and hinged to the game board whereby they may be oppositionally disposed in an upright position to cooperate with the groves to support the playing pieces at an angle to the vertical or be nested in said grooves with



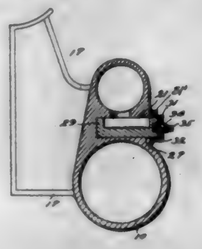
their surfaces parallel to the playing surface of the board whereby the playing surface of the latter will be uninterrupted.

1,539,199. PNEUMATIC INSOLE. MASON J. MERRIHEW, Avalon, Calif. Filed Jan. 7, 1924. Serial No. 684,826. 4 Claims. (Cl. 36—29.)



4. An inner sole adapted to be worn within foot-wear comprising an upper portion, a bottom portion secured to said upper portion and adapted to be disposed adjacent the outer sole, said bottom portion being divided into a separable toe section and a heel section normally retained in abutting relation, and a pneumatic cushion disposed between said bottom portion and said upper portion having a downwardly extending nozzle extending through one of said sections.

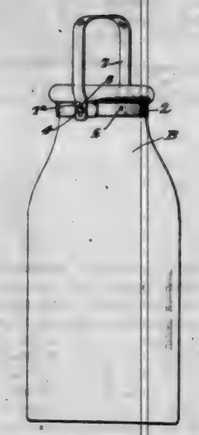
1,539,200. CUT-OFF VALVE FOR STEAM ENGINES. BENJAMIN F. O'BRYANT, Gadsden, Ala., assignor of one-half to I. M. Rosen, Gadsden, Ala. Filed May 12, 1921, Serial No. 468,905. Renewed Mar. 30, 1925. 1 Claim. (Cl. 251—100.)



A valve member removably mounted in a bore extending transversely of a passage, said passage and bore being formed in a body member and said bore having its inner end closed, and said valve member comprising a pair of circular heads and a connecting portion therebetween adapted to be utilized for controlling fluid flow

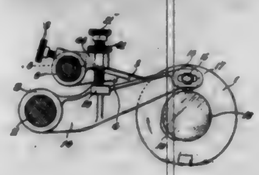
through the passage, said valve member having one circular head slightly extending from the open end of bore, a cap fitted upon the last named end of the valve, a securing flange formed with the cap whereby the same may be secured to the body member, and a set screw threaded through a side wall of the cap whereby the valve member may be adjustably held against rotation.

1,539,201. MILK-BOTTLE CARRIER. FREDERICK A. OTTOW, Los Angeles, Calif. Filed Dec. 13, 1923. Serial No. 680,416. 3 Claims. (Cl. 215—100.)



1. A milk bottle carrier consisting of a split band, having on one end a pin with an elongated head, the other end of the band being apertured to receive the head of the pin, and a handle pivoted at one end on one side of the band and having in its opposite end an aperture to receive the head of the pin, said head holding the handle when the latter is turned to a carrying position.

1,539,202. INTAGLIO-PRINTING MACHINE. MALCOLM OWEN, London, England. Filed July 9, 1923. Serial No. 650,458. 8 Claims. (Cl. 101—157.)



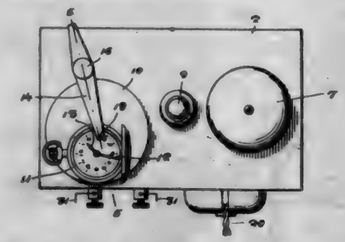
1. In combination, a printing cylinder having a gap in which the ends of a printing sheet are fastened, a rocking shaft, a doctor mounted on said shaft, a cam rotating synchronously with the printing cylinder, a lever rocked by said cam, adjustable means imparting the movement of said lever to said doctor, whereby the pressure of the doctor on the cylinder may be varied, and a roller adjustably mounted for longitudinal movement on that end of the lever operated by said cam, whereby the lift of the doctor effected through said lever can be timed to suit the speed of the cylinder.

1,539,203. TROUSER STRETCHER. JOHN FORBES PALMER, Clapham, London, England, assignor, by mesne assignments, to Strechanpres Trouser Appliance Company Limited, Cheapside, London, England. Filed Apr. 30, 1923. Serial No. 635,687. 6 Claims. (Cl. 223—19.)



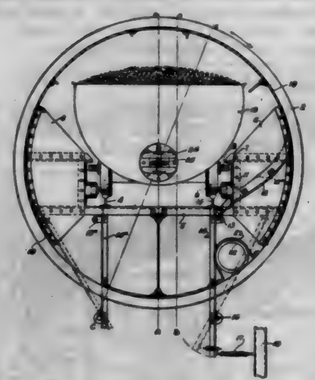
1. A trouser stretcher, comprising a convex supporting surface, clamping means at the respective ends of such surface and adapted for relatively opposite movement to stretch the garment, and pressing means overlying the surface and connected to and operated in the movement of the clamping means.

1,539,204. TIME SWITCH. JOSEPH SALVADOR PROWENES, Kansas City, Mo. Filed Jan. 27, 1923. Serial No. 615,388. 2 Claims. (Cl. 200—35.)



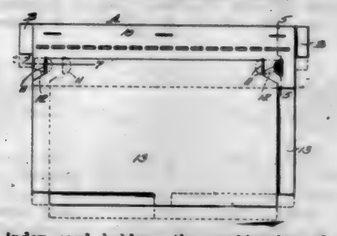
2. The combination of a conductive plate adapted for the arrangement thereon of a watch, and a terminal mounted in spaced relation to the conductive plate and adapted to cooperate with a watch hand for the closing of a circuit at a predetermined time; the mounting of the terminal including a threaded post about which terminal is adapted to turn, a spring about said post and interposed between the terminal and an abutment, and a nut mounted on the post and arranged at the opposite side of the terminal with reference to the spring.

1,539,205. CONTINUOUS ROTARY DUMP. ERSKINE RAMSAY, Birmingham, Ala. Filed Sept. 5, 1922. Serial No. 586,163. 20 Claims. (Cl. 214—52.)



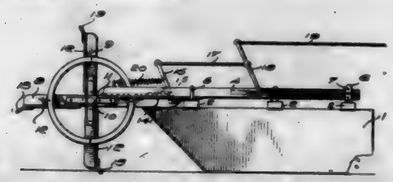
1. In a car dumping apparatus, a dump movable to dump a car thereon laterally, tracks having movable sections adjacent to the dump, and means co-ordinated with the dump's movements to move said track sections into and out of operating position, as and for the purposes described.

1,539,206. CARD-INDEX DEVICE. JAMES H. RAND, Jr., Tonawanda, N. Y. Filed Jan. 25, 1923. Serial No. 614,810. 10 Claims. (Cl. 129—16.7.)



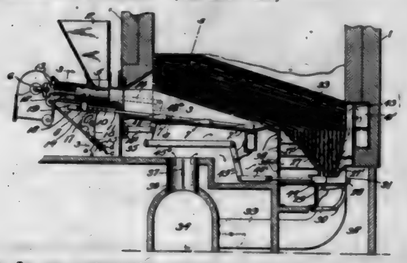
1. In index card holders, the combination of an attaching portion having parts for attachment to a support, and a plurality of card-supporting portions hinged to said attaching portion, each of said card-supporting portions having parts for engaging and supporting a plurality of separate cards.

1,539,207. RIDGING MACHINE. JACOB RANKER, Anaheim, Calif. Filed July 26, 1921. Serial No. 487,757. 1 Claim. (Cl. 97—55.)



In a ridging and blocking machine, a frame, a ridger board mounted thereon, a blocking device mounted on said frame in the rear of said ridger board, said blocking device comprising a revoluble frame, a plurality of blades mounted thereon, one of said blades being adapted to extend downwardly and collect a portion of the earth cut by said ridger board, a trip lever normally engaging another of said blades, a transverse shaft on which said lever is mounted, a crank formed on one end of said shaft, a spring connected to said crank to normally retain the trip lever in operative position, a link connected to the end of said crank to permit operation of said shaft to release said trip lever, and an offset member formed on one end of said shaft and adapted to engage a portion of said frame to limit the movement of the shaft in one direction.

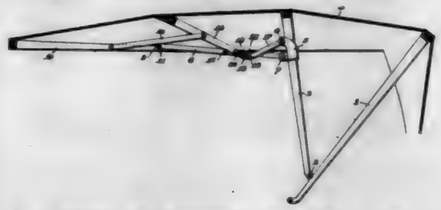
1,539,208. UNDERFEED STOKER. MAURICE RATEL, New York, N. Y. Filed Aug. 16, 1920. Serial No. 403,905. 23 Claims. (Cl. 110—44.)



1. In an automatic stoker, a fuel retort or trough, a set of compound pushers in said retort having their longitudinal axes in different vertical planes, and means for moving adjacent compound pushers in opposite directions.

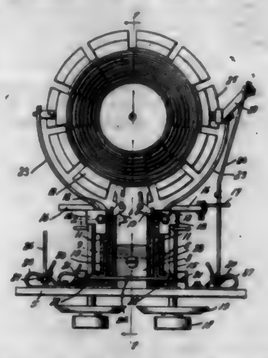
18. In an automatic stoker, the combination of a series of retorts and twyers alternating therewith, means supplying fuel to the outer ends of said retorts, means advancing the fuel through said retorts, an ash-receiving hopper at the inner ends of said retorts and provided with an opening in the bottom thereof, a refuse-receiving dump plate arranged below said hopper in spaced relation therewith, and means for pushing the refuse over said plate and ejecting the same rearwardly of said hopper.

1,539,209. VEHICLE TOP. EDGAR A. RATHBUN, Pontiac, Mich., assignor to American Forging and Socket Company, Pontiac, Mich., a Corporation of Michigan. Filed Aug. 15, 1921. Serial No. 492,357. 2 Claims. (Cl. 296—116.)



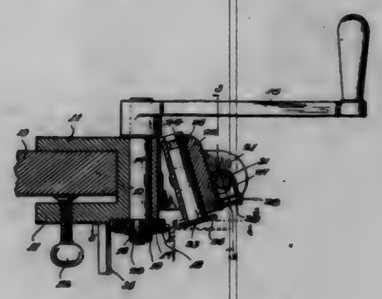
1. A vehicle top framework comprising a bow, an outrigger bow, arms connecting said outrigger bow to said front bow, an intermediate bow pivotally connected to said arms and having a portion thereof below said arms, supporting means on said arms adapted to hold said intermediate bow at an inclination to said arms, and links connecting the portion of said intermediate bow below said side arms to said front bow above said side arms for holding said intermediate bow on said supporting means to cooperate therewith in supporting said arms relative to said front bow, said links causing synchronous movement of said bows.

1,539,210. INDUCTION COIL MOUNTING. RICHARD C. ROSE, Osceola, Ark. Filed Aug. 27, 1923. Serial No. 659,591. 5 Claims. (Cl. 171—119.)



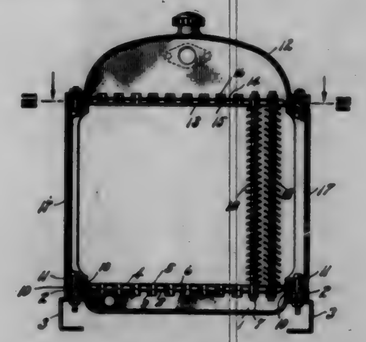
4. An inductance coil mounting comprising a panel, a supporting member on the panel, bearings on the supporting member, operating rods having right angled ends disposed in the bearings, fingers carried by the right angled ends of the rods, a stationary inductance coil mounted on the panel, movable frames disposed on opposite sides of the stationary coil, pivoted coil frames mounted in the movable frames, operating arms for the frames, said operating arms having openings to accommodate the fingers, and said pivoted frames adapted to be moved by the operating arms to move the coils supported by the coil frames in parallel relation with the stationary coil.

1,539,211. CAN OPENER. EDWARD C. SCHUDES, Nashville, Tenn. Filed Nov. 7, 1922. Serial No. 599,533. 5 Claims. (Cl. 30—3.)



1. A can opener including a body member, a rotatable knife carried thereby, feeding means associated with said knife, a bearing block, a shaft rotatable upon said block, means pivotally connecting the block with the body member and also rotatably connecting the shaft with said block, feeding means carried by said shaft, and means for rocking the block to clamp the upper margin of the side wall of a can between said feeding means.

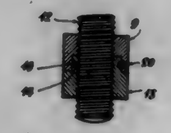
1,539,212. RADIATOR. PAUL R. SEEMILLER, Detroit, Mich. Filed Jan. 21, 1922. Serial No. 530,768. 5 Claims. (Cl. 285—25.)



5. In a radiator construction wherein top and bottom headers are connected by tubes which establish communication between said headers —means for connecting said tubes to said headers, said means comprising spaced parallel sheet metal walls having contacting marginal portions connected together, said walls having outstruck portions extending into said headers and connected to said tubes to maintain said tubes in spaced relation and attached to said walls.

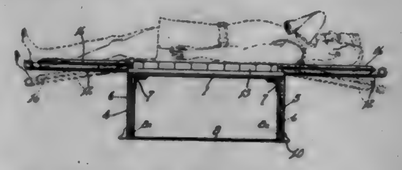
1,539,213. MEANS FOR LOCKING NUTS UPON BOLTS. GEORGE SHAW, Ashton-under-Lyne, England. Filed Mar. 29, 1923. Serial No. 628,629. 1 Claim. (Cl. 151—19.)

Means for locking a threaded nut upon its bolt, comprising a central smooth bored recess in said nut, a locking stud bored and threaded to fit upon the bolt, a radially compressible tubular boss upon the locking stud to engage in the nut recess, the outer wall of the said tubular boss being eccentric to the said nut recess, a peripheral groove formed exteriorly upon the tubular boss, the said groove being concentric with the bore



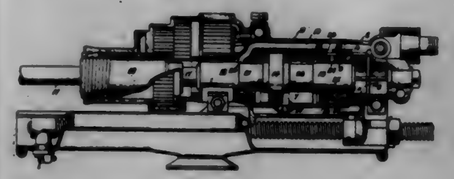
of the nut and eccentric to the boss of the locking stud, and an orifice in the nut through which a locking device may be pressed to engage within the groove and prevent relative radial movement of the bolt and locking stud and maintain the grip of the latter upon the bolt thread.

1,539,214. EXERCISING DEVICE. WILLIS G. SHOCKEY, Chicago, Ill. Filed July 19, 1923. Serial No. 652,616. 8 Claims. (Cl. 272—58.)



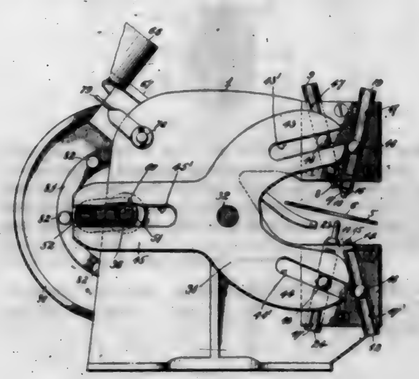
1. In a device of the type described, a body portion having a substantially flat supporting surface, said body portion being provided with longitudinal grooves, spring arms disposed normally in the grooves and being movable longitudinally to form extensions of said body portion for supporting the latter, and brace members extending between the end members.

1,539,215. MOTOR. ARTHUR H. SHAER, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Feb. 24, 1920. Serial No. 360,696. 12 Claims. (Cl. 121—17.)



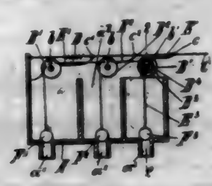
1. A motor comprising a cylinder member having a piston chamber, and a bushing fixedly and removably located in the cylinder member and havig a reduced bore in communication with the piston chamber, said bore forming an extension chamber, a piston having an active pressure surface in the piston chamber, and a reduced extension operating in the bushing and having a similarly facing pressure surface, and means for distributing the motive fluid to the piston chamber outside the bushing to operate against the pressure surface of the piston in said chamber and ports for simultaneously delivering a portion of said motive fluid from the piston chamber to the outer end of the bushing bore and against the said pressure surface of the piston extension in said bore.

1,539,216. MACHINE FOR SETTING EYELETS, RIVETS, AND THE LIKE. EDMUND S. SPINNEY, Abington, Mass., assignor to Jeremiah Fitzpatrick, Braintree, Mass., and Charles H. Fitzpatrick, North Abington, Mass. Filed Mar. 26, 1924. Serial No. 701,978. 13 Claims. (Cl. 218—15.)



6. In a machine of the type specified, the combination comprising a punch mechanism having separate members movable in reverse directions into and out of an engaging position, a setting mechanism having separate members movable in reverse directions into and out of an engaging position, means for mounting said members of said respective mechanisms to be movable as aforesaid along independent lines of travel and to have a substantially common engaging point relatively to the work, means for successively operating said mechanisms and means for automatically supplying eyelets to the said mechanisms.

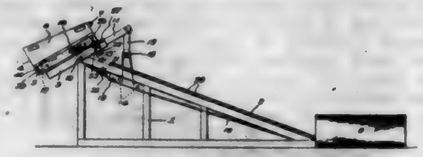
1,539,217. LONG-DISTANCE TRACTION-ROPE DEVICE. KARL STAHL, Friedrichshafen, Germany, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Filed June 28, 1920. Serial No. 392,604. 3 Claims. (Cl. 244—1.)



1. In a device of the kind described in combination, a main traction member secured at both ends, means for keeping said member taut, and slack branch traction members of different length, each connected at one end with said main member and at the other with an object to be operated by a tractive effort.

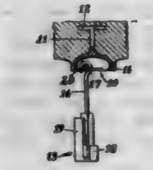
1,539,218. GRAVEL LOADER. HOWARD E. STILES, Bolivar, Mo. Filed Dec. 31, 1921. Serial No. 526,207. 3 Claims. (Cl. 214—104.)

1. A dumping apparatus of the class described comprising an inclined track, a car engaging the same, means at the lower end of the track for permitting a load to be placed upon the car, a dumping section pivotally mounted at the upper end of the track, a guiding pulley at the pivoted point of the section, a depending part at the rear of the section, a recessed member for receiving said depending part, pulleys carried



by the recessed member and the depending part, a cable passing around said pulleys and having one end connected with the car and its other end adapted to be pulled upon to draw the car up to the track.

1,539,219. HANGER FOR SUSPENDED CEILINGS. JOHN TASEFF, Los Angeles, Calif. Filed Mar. 30, 1925. Serial No. 19,322. 4 Claims. (Cl. 72—118.)



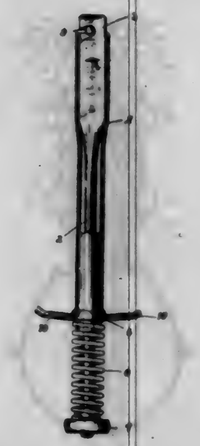
1. A hanger for suspended ceilings comprising a hook member adapted to be fixed in the floorwork of a building so as to extend therebelow, a short up-turned hook on the lower end of said hook member and a longer up-turned hook adjacent said short hook but above it and at an angle of 90 degrees thereto.

1,539,220. KEY-RING HOLDER. ROBERT C. TAYLOR, Thomasville, Ga. Filed Nov. 12, 1923. Serial No. 674,319. 1 Claim. (Cl. 24—8.)



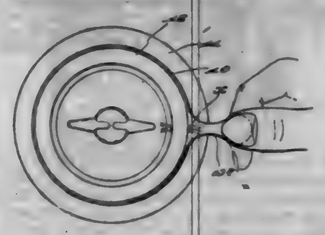
The combination with a resilient strip having an opening, of a garment engaging tongue at one side and integral with the strip, a key ring retaining tongue at the other side of and integral with the strip, said tongues being extended in opposite directions, the retaining tongue cooperating with the apertured strip to provide an elongated key ring holding loop, and a pointed finger extending at an obtuse angle from the retaining tongue and normally projecting through the opening for engagement with a garment or the like seated between the apertured strip and the garment engaging tongue.

1,539,221. WELDER'S ROD HOLDER. JOHN WILLIAM TENNANT, Salinas, Calif. Filed Oct. 30, 1923. Serial No. 671,806. 2 Claims. (Cl. 118—111.)



1. A rod holder of the character described comprising a tube, a rod slidably mounted therein, one end of said rod being flattened and projecting through one end of the tube, a hook-shaped member formed on the outer flattened end of the rod, said tube being also flattened to form a guide for the flattened end of the rod and to limit movement of the rod in one direction within the tube, and said flattened end having recesses formed therein to cooperate with the hook-shaped member, and a spring actuated handle on the opposite end of the rod and adapted to normally retract the flattened hook-shaped end of the rod with relation to the tube.

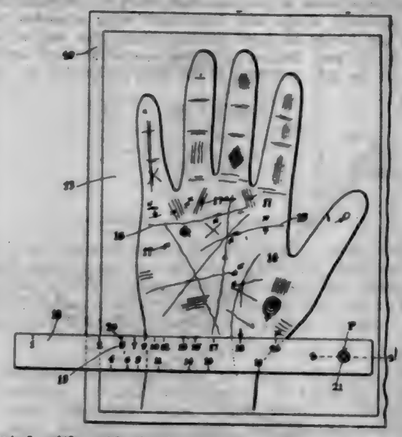
1,539,222. SEALING RING FOR JARS. MARTHA L. TURNER, West Roxbury, Mass. Filed Mar. 30, 1923. Serial No. 628,925. 2 Claims. (Cl. 215—37.)



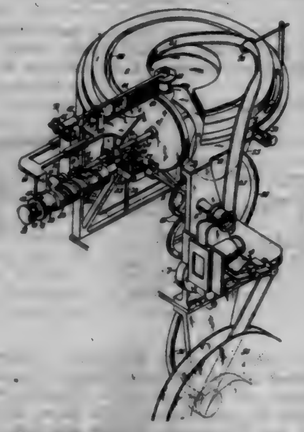
1. A resilient sealing ring for jars having a tab projecting from the periphery thereof in a relatively narrow neck portion bearing a relatively enlarged head constituting a finger grip, whereby a tension exerted upon said narrow neck portion results in stretching and reducing the thickness of a relatively small, closely localized area of the ring to permit venting at such area.

1,539,223. PALM-READING CHART. EMIL WATERSTRAAT, Ocean Park, Calif. Filed Aug. 28, 1924. Serial No. 734,623. 3 Claims. (Cl. 273—161.)

1. A device of the class described comprising a chart disclosing the palm of a hand, location marks upon said chart, a guide strip movable over said chart, said guide strip having indicia thereon adapted to be brought into register with said location marks, and a table associated with said chart adapted to disclose the significance of said location marks as registered by said guide strip.



1,539,224. FILM DELIVERING OR WINDING APPARATUS SUITABLE FOR CINEMATOGRAPHS. EDWARD JOHN WAY, Johannesburg, Transvaal, South Africa, assignor to Bioscope Improvements Limited, Johannesburg, Transvaal, Union of South Africa, a Company of Transvaal, South Africa. Filed Sept. 14, 1922. Serial No. 588,258. 9 Claims. (Cl. 88—18.7.)

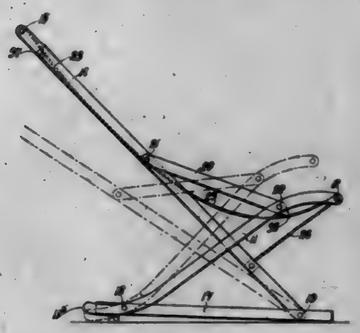


1. In a film delivering or winding apparatus the combination of a rotatable carrier for film coil, continuously variable speed gear for rotating the same and means positively driven with the speed gear for varying the velocity ratio of said gear substantially by equal increments for each revolution of the carrier.

1,539,225. COMBINED DECK CHAIR AND ROCKING-CHAIR. CHARLES WEST AND ARTHUR GREEN, London, England. Filed June 3, 1922. Serial No. 565,710. 2 Claims. (Cl. 155—56.)

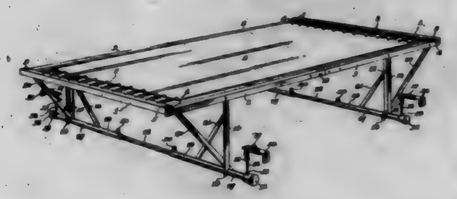
1. A combined deck chair and rocking chair comprising in combination substantially rectangular back and seat frameworks, a base framework on which the chair rests,

comprising side members and a transverse member on the underside and at the rear thereof, the side members of the seat framework being pivoted at their lower ends to the side members of the base framework at the rear, the side members of the seat framework being extended beyond the pivots to form limiting stops, the side members of the back framework being pivoted at their lower ends to the side members of the base framework at the



front, a seating fabric having its lower front portion supported by a member between the upper ends of the sides of the seat framework and its upper portion supported by a member between the upper ends of the sides of the back framework, link members on each side connecting the side members of the seat and back frames, and means for maintaining the said frames in any adjusted position, for the purposes set forth.

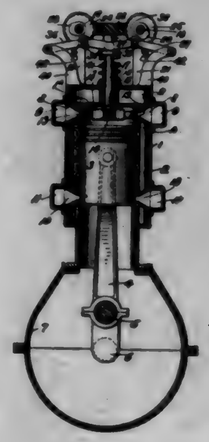
1,539,226. COLLAPSIBLE COT. ALBERT C. WHITE and LEE H. FROMWILLER, Detroit, Mich. Filed Apr. 16, 1923. Serial No. 632,543. 2 Claims. (Cl. 5—118.)



1. In a collapsible cot for automobiles, transverse supports adapted to be fitted between walls of an automobile body, hangers for supporting said supports relative to the walls of the automobile body, a frame, foldable legs carried by said frame, said foldable legs being arranged so that ends thereof may be placed in scissor-like relation for gripping said transverse supports, and a web in said frame.

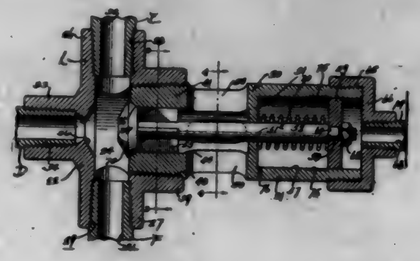
1,539,227. INTERNAL-COMBUSTION ENGINE. MARSHALL L. WOOD, Montpelier, Vt. Filed June 30, 1921. Serial No. 481,516. 6 Claims. (Cl. 123—65.)

5. In an internal combustion engine, the combination with the cylinders, pistons, and inlet valves thereof, the latter having collar-provided stems and a spring device for moving the valve in one direction, parallel shafts, cam devices on said shafts, spiral wheels also on the shafts, a spiral gear intermediate of and operating the spiral wheels, and means for moving one of the spiral wheels on or with its shaft so as to vary the position of the cams, together with lever devices acted on by the cams and having free ends engaging the stems of the



valves, all arranged so that the cam shafts are driven simultaneously while one of them may be retarded or accelerated relatively to the other.

1,539,228. COMBINED QUICK-RELEASE AND CHECK VALVE FOR AIR BRAKES. WALTER C. WRIGHT, Youngstown, Ohio. Filed July 1, 1924. Serial No. 723,609. 12 Claims. (Cl. 303—69.)



1. In a quick release construction for air brake systems the combination with a brake cylinder, an air pressure supply arrangement for the brake cylinder, and means for regulating the flow of air from said air pressure supply arrangement to the brake cylinders, a quick release valve having connection with the brake cylinder, and reduced pressure means for operating the quick release valve to close the air pressure supply arrangement to the brake cylinder and open the latter to the atmosphere to allow pressure to escape therefrom.

1,539,229. SWAB. SWAN M. AKEYSON, Long Beach, Calif., assignor, by mesne assignments, of one-fourth to Albert W. Warr, Los Angeles, Calif., and one-fourth to W. J. Holland, Huntington Park, Calif. Filed May 10, 1923. Serial No. 637,942. 9 Claims. (Cl. 74—109.)

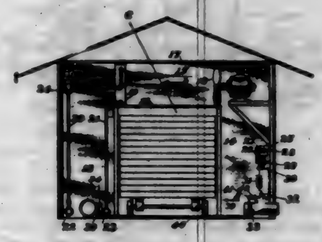
1. A swabbing device for wells comprising tubular sections and tubular connections arranged end to end, and adjustably connected to each other, and packing

rings upon the tubular connections between the sections adapted by an adjustment of the sections to be compressed axially and expanded radially to cause their



peripheries to project from the peripheries of the sections, there being cupped washers at the ends of the packing rings.

1,539,230. DRIER. GEORGE R. ANDERSON, Santa Rosa, Calif. Filed Jan. 10, 1923. Serial No. 611,757. 2 Claims. (Cl. 34—46.)



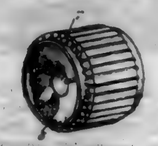
1. A drier of the character described comprising a housing having a tunnel formed therein and extending from end to end of the housing, a series of separated aligned compartments disposed on each side of the tunnel and dividing the tunnel into a series of transverse compartments, an air duct connecting each set of aligned side and opposed compartments, means for maintaining an independent circulation of air through each set of opposed compartments and through the connecting air duct and also transverse of the tunnel, a radiator in each transverse duct through which the air is circulated, temperature actuated means automatically regulating the flow of steam through each radiator, and means for automatically maintaining a predetermined moisture content in each compartment.

1,539,231. ADVERTISING NOVELTY. JESSE A. ARMSTRONG, Lexington, Ky., assignor to Spotswood Specialty Company, Lexington, Ky. Filed Jan. 26, 1924. Serial No. 688,745. 10 Claims. (Cl. 46—37.)



1. An advertising novelty comprising a sheet having a fold, and a blank secured upon the face of the sheet and having a fold coinciding with the fold of the sheet, the blank having a slit intersecting the fold and having folds extending from the first mentioned fold to the slit.

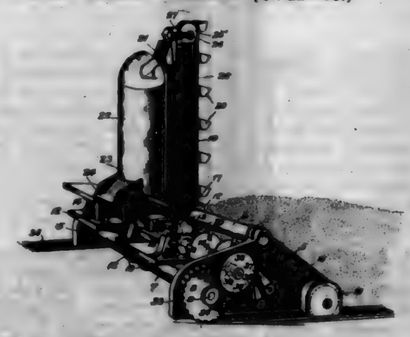
1,539,232. ROTOR. JOHN M. BARR, Milwaukee, Wis., assignor, by mesne assignments, to Louis Allis Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 18, 1922, Serial No. 537,554. Renewed Aug. 20, 1924. 5 Claims. (Cl. 172—120.)



1. The method of making a rotor, which consists in placing a cylindrical core with longitudinal slots into a cylindrical stamped metal winding having integral longitudinal conductors and end rings, and then contracting said end rings perimetrically to insert said longitudinal conductors in said slots and hold them therein against radial displacement.

4. A cylindrical winding for a rotor, having integral longitudinal conductors and end rings, the end rings being partially enclosed by rings which become nonmagnetic as the temperature thereof increases to a critical point so as to increase the effective conductivity of said end rings.

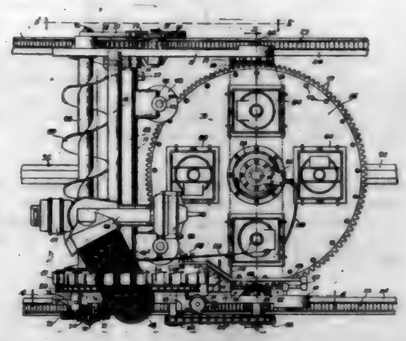
1,539,233. MOLDING MACHINE. ELMER O. BEARDSLEY, Chicago, and WALTER F. PIPER, Oak Park, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed July 18, 1921. Serial No. 485,506. 4 Claims. (Cl. 22—35.)



1. In a molding apparatus, the combination of a portable truck adapted to travel on a molding machine floor, means for propelling the truck, a molding machine

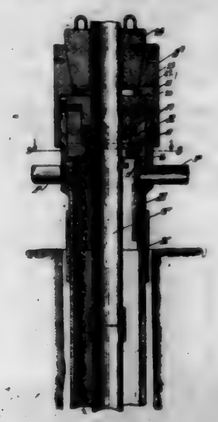
mounted on the truck, a reservoir for a working supply of sand fixed on the truck and located relatively to said machine so sand may be conveniently shovelled therefrom into a flask on or in the molding machine, and mechanism for conveying sand from a pile on the floor and delivering it into the reservoir.

1,539,234. MOLDING MACHINE. ELMER O. BEARDSLEY and WALTER F. PIPER, Chicago, Ill., assignors to The Beardsley & Piper Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 6, 1922. Serial No. 599,191. 51 Claims. (Cl. 22—36.)



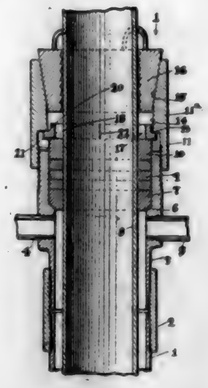
1. In a machine for making molds, the combination of a sand projector mechanism to operate the projector to forcibly deliver sand into flasks, mechanism for feeding sand to the projector, means for conveying flasks to the projector, and mechanism for driving said conveying mechanism to bring flasks successively into and out of position beneath the projector.

1,539,235. PACKING HEAD FOR WELL CASINGS. MILLARD SUMTER BLACK, Brea, Calif. Filed Jan. 4, 1923. Serial No. 610,668. 5 Claims. (Cl. 285—22.)



1. A packing head for well casings comprising a casing extension having an annular shoulder formed interiorly thereof, a false ring resting upon said shoulder and engaging the interior of said extension substantially its complete length, a centering ring within the false ring, packing rings superimposed upon the centering ring, a gland movable upon the false ring, and a sleeve adjustable on the extension and engaging said gland.

1,539,236. CASING HEAD FOR OIL WELLS. MILLARD S. BLACK, Huntington Park, Calif. Filed July 19, 1924. Serial No. 727,000. 4 Claims. (Cl. 166—14.)



1. A casing head comprising a casing extension having a packing seat, a compression member screwed upon the extension and having a bore large enough for the insertion of packing through the bore into the packing seat and having a compression ring seat, and a two-piece compression ring insertible through the bore into the ring seat to overlap the packing and hold the package in place.

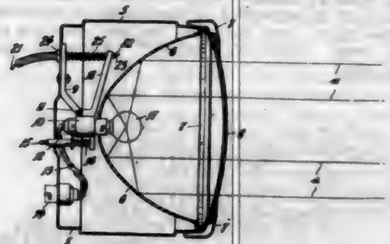
1,539,237. SCREENING BALL MILL. WALTER O. BORCHERDT, Austinville, Va., assignor to John Herman, Los Angeles, Calif. Filed Feb. 11, 1924. Serial No. 692,044. 3 Claims. (Cl. 83—9.)



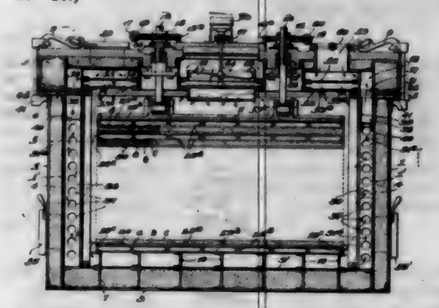
1. In a screening ball mill, a base screen forming a hollow cylinder, railroad rails secured against the inner face of the base screen parallel with the axis of the screen, the bases of the rails being spaced apart to expose apertures in the screen but prevent a ball of the size to be used from bearing upon the screen, the ball being supported by the bases, the heads of the rails being separated a distance greater than the diameter of one ball and less than twice the diameter of one ball, the rails being of such a height whereby a grinding action may take place between the rails.

1,539,238. CONTROL MEANS FOR HEADLAMPS OF ROAD VEHICLES TO OBVIATE GLARE. CHARLES FOSTER BROWNE, Camberwell, near Melbourne, Victoria, Australia. Filed May 23, 1924. Serial No. 715,420. 2 Claims. (Cl. 240—44.)

1. A vehicle lamp, including a casing, a reflector therein, a bracket removably secured to the rear wall of the casing, a holder pivotally supported at the lower end of the bracket in rear of the reflector, an arm integral with and projecting upwardly from the holder, a control wire extending through the rear wall of the casing and removably connected to the upper end of the arm, and a spring encircling said wire and bearing between the arm and bracket.

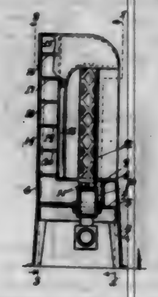


1,539,239. APPARATUS FOR MAKING REENFORCED GLASS. WILLIAM C. BULL, Brooklyn, N. Y. Filed Sept. 1, 1922. Serial No. 585,599. 34 Claims. (Cl. 18—17.)



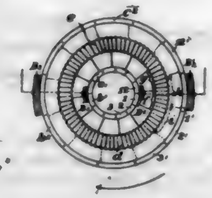
27. An apparatus for fabricating reenforced glass including an oven-chamber, means for sealing a press therein for the glass product, means for supplying dry heat to the chamber while the glass product is under pressure, and means for exhausting air during the dry heat and pressure period and for causing circulation of the heated air currents during the final stage of the dry heat and pressure period.

1,539,240. RADIANT GAS HEATER. WILLIAM H. CAIN, Los Angeles, Calif. Filed June 19, 1924. Serial No. 720,949. 5 Claims. (Cl. 126—92.)



1. A radiant gas heater having a box, radiant elements extending through the top of the box, a burner having jets in the box and discharging into the radiant elements, and means forming a zigzag air passage downwardly back of the radiant elements and discharging into the box.

1,539,241. SPARKLESS COMMUTATION. UGO CANTUTTI, Rome, Italy. Filed June 5, 1923. Serial No. 643,602. 1 Claim. (Cl. 171—228.)



In a device for reducing commutation sparking in electric machinery, in combination, an armature, two electrically distinct, and oppositely wound, magnetically linked sectional windings on said armature, a commutator for said sectional windings, comprising a number of segments, the inter-linked winding sections of said windings being connected to those commutator segments, arranged at a position of 180 electric degrees relatively to each other.

1,539,242. OIL-WELL CLEANER. JAMES L. CARDER, Los Angeles, Calif., assignor of one-third to John A. Street, Los Angeles, Calif. Filed June 2, 1924. Serial No. 717,268. 12 Claims. (Cl. 166—20.)

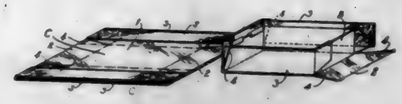


11. A device of the character described, comprising the combination of a service conduit, hollow bodies provided with an intermediate discharge section connected to said conduit; collapsible packings having shells of flexible material, each shell being disposed about and secured to a body at one end, longitudinally extending springs within said shells, slidable members on said bodies each secured to a shell at its free end; and means securing said slidable members together and operable at will to bow said springs and expand said packings.

1,539,243. STAYED BOX COVERING AND METHOD OF PRODUCING THE SAME. MARK B. CLAFF, Randolph, Mass. Filed Jan. 22, 1923. Serial No. 614,085. 9 Claims. (Cl. 220—82.)

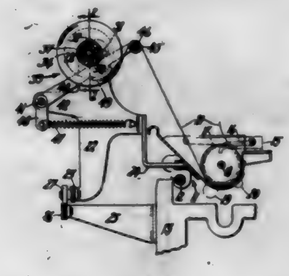
3. A web assembly for covering and staying a box shell, consisting of a continuous web of covering material slitted adjacent its margins and severed across said slits to provide covering blanks each having side

flaps and corner flaps attached to the ends of the side flaps, and two continuous webs of stay material adhesively united to said covering web marginally thereof



and disposed as attached stay strips coextensive in length with the side and corner flaps of the covering blank when the blank is severed from the covering web.

1,539,244. TYPEWRITING MACHINE. CLARENCE M. CREWS, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 3, 1923. Serial No. 622,476. 8 Claims. (Cl. 197—133.)



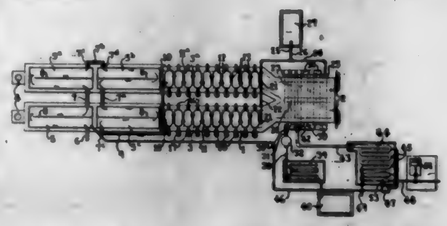
1. In a typewriting machine, a paper-reel, paper unreeling mechanism, a brake acting on said reel, and means for automatically rendering the brake ineffective during unreeling operations.

1,539,245. WHIPPER. ISRAEL P. DUNCAN and THOMAS M. GORE, Los Angeles, Calif. Filed July 30, 1924. Serial No. 729,075. 3 Claims. (Cl. 253—136.)



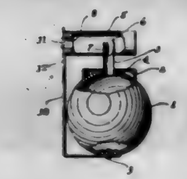
1. In a whipper, the combination of an impeller wheel, a horizontally extended vertically thin housing therefor having a rounded impeller chamber at one end corresponding in curvature to said impeller wheel and extended at the opposite end to form an inlet and outlet water chamber beyond said impeller, the lower face of said housing being inclined toward the upper face at the water chamber end thereof, the inclined portion of the lower face having an outlet at one side, an inlet coupling disposed at the median line of said housing in the upper face thereof and having a nozzle extending therefrom and directed toward the other side of said housing.

1,539,246. ACID CONCENTRATION. JOSEPH B. EDWARDS, Jersey City, and FREDERICK B. FAULKNER, Bayonne, N. J., assignors of one-fourth to Tide Water Oil Company, Bayonne, N. J., a Corporation of New Jersey. Filed July 1, 1920, Serial No. 393,338. Renewed Jan. 11, 1922. Serial No. 528,559. 24 Claims. (Cl. 23—173.)



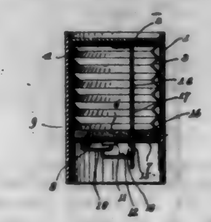
11. The method of treating sludge acids or separated sludge acids which consists in heating and agitating a body of the acid thereby effecting a partial concentration of the same and in then heating a body of the partially concentrated acid without agitation effecting a further concentration thereof.

1,539,247. TALKING-TOY MECHANISM. FRED EVANS, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,492. 2 Claims. (Cl. 46—46.)



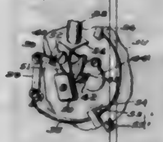
1. In a device of the class described, in combination, a hollow collapsible sphere, a tube mounted through the walls thereof, and having a sounding device mounted therein, a shield mounted on said sphere so as to encircle said tube, a chamber into which said reed box projects, said chamber being provided with an orifice, and a closure for said orifice provided with a plurality of apertures, said closure being operative by the collapse of said sphere to bring said apertures into registry with said orifice.

1,539,248. TALKING-TOY MECHANISM. FRED EVANS, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated, a Corporation of Delaware. Filed Mar. 21, 1923. Serial No. 626,494. 6 Claims. (Cl. 46—46.)



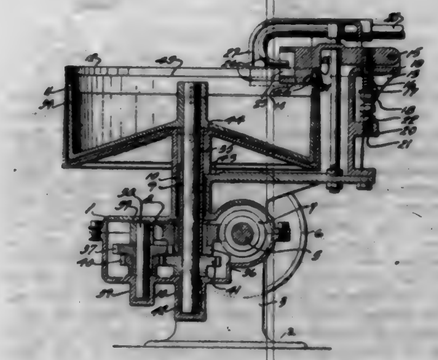
1. A device of the class described comprising in combination, a casing, a head therein, a bellows attached to said head, a weight attached to said bellows, a clamping disc thereon, a reed chamber on said disc in communication with said bellows, an orifice chamber communicating with said reed chamber, an arm mounted on said head and overlying said orifice, said arm being provided with a plurality of apertures adapted to register with said orifice as said bellows is collapsed.

1,539,249. SAFETY DEVICE FOR OIL BURNERS. MILTON A. FESLER, Stamford, Conn., assignor to Petroleum Heat & Power Company, Boston, Mass., a Corporation of Delaware. Filed Sept. 2, 1924. Serial No. 735,360. 19 Claims. (Cl. 158—42.4.)



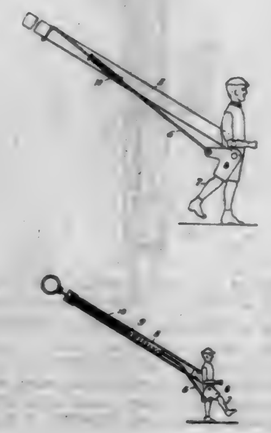
1. In a device of the class described, in combination, a spark plug, a source of electric current for producing electric sparks between the terminals of the spark plug, a pair of terminals other than those of the spark plug and positioned to form a spark gap, an electric connection between a terminal of the spark plug and a terminal of said spark gap, and means controlled by the current delivered by the spark plug, comprising a piece of thermostatic metal supported to bend under varying temperatures to actuate a control element and provided with one terminal of said spark gap which is heated by the sparks jumping said gap and causes the metal to bend.

1,539,250. COLLAR FINISHER. JOHN E. FIDLER, New York, N. Y., assignor to Asher Manufacturing Company, Irvington, N. J., a Corporation of New Jersey. Filed Oct. 24, 1921. Serial No. 509,794. 6 Claims. (Cl. 68—9.)



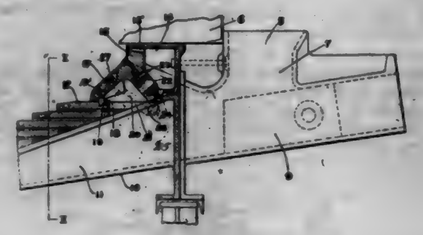
2. In a collar ironing machine, the combination with a mandrel for carrying a folded collar by supporting the same under its fold, of a polishing drum concentric with said mandrel and having its upper edge below the top of said mandrel for finishing the outer surface of the collar neckband, means for producing relative rotation between said mandrel and drum, and means on the other side of said drum from the mandrel for pressing the surface of the collar to be finished against said drum.

1,539,251. DEVICE FOR PLAYING TABLE FOOTBALL. ALGERNON PERCY FINDLAY, Launceston, Tasmania, Australia. Filed Sept. 22, 1924. Serial No. 739,212. 4 Claims. (Cl. 273—107.)



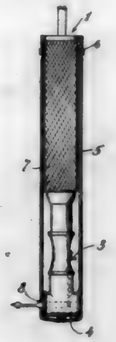
1. In an appliance of the kind indicated, an effigy of a football player, a handle or grip to which the player is attached, a bell crank on the body of the player one of the legs of which is on the bell crank, a spring controlled rod on the handle attached at one end to the bell crank and having means on its other end for operating the rod to compress the spring.

1,539,252. TUYÈRE STRUCTURE FOR STOKERS. ROBERT A. FORESMAN, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1920. Serial No. 393,018. 6 Claims. (Cl. 110—44.)



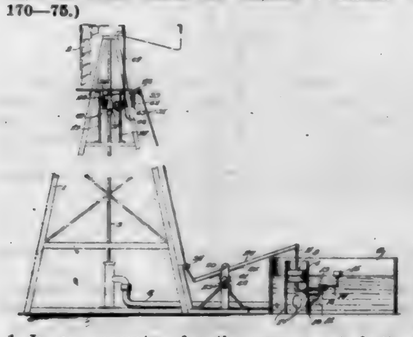
2. A stoker construction comprising an air distributing box extending across the furnace adjacent the front wall thereof, tuyère boxes extending longitudinally of the furnace, tuyères mounted on the tuyère boxes and receiving air therefrom, locking means for the tuyères disposed adjacent the air distributing box, and means for passing air from the tuyère boxes to the air distributing box through the said locking means.

1,539,253. SANITARY SHIELD FOR DENTAL INSTRUMENTS. CLARENCE W. FULLER, Yonkers, N. Y. Filed June 9, 1923. Serial No. 644,875. 11 Claims. (Cl. 32—10.)



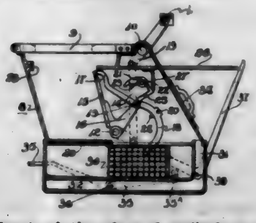
1. A shield of the type described, comprising a tube consisting of at least one layer of tough, inelastic material, and at least one layer of a vulcanized elastic material.

1,539,254. AUTOMATIC CONTROL FOR WINDMILL PUMPS. FRED H. GEHRER, Hazel Run, Minn. Filed Sept. 25, 1924. Serial No. 739,880. 7 Claims. (Cl. 170—75.)



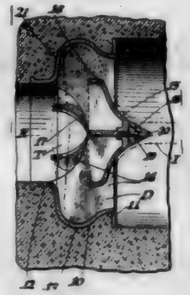
1. In an apparatus for the purpose set forth, the combination of means for throwing a wind wheel out of gear, float-controlled means for setting the first-mentioned means, and a second float-controlled means for temporarily restraining the first-mentioned float-controlled means.

1,539,255. SANITARY CLOSET. DAVID GEORGE, Burwood, near Sydney, New South Wales, Australia, assignor to Samuel Aubrey Freshman, Sydney, New South Wales, Australia. Filed July 27, 1921. Serial No. 487,917. 6 Claims. (Cl. 4—111.)



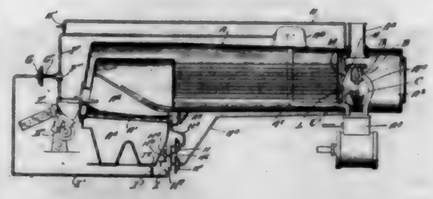
1. In a closet of the class described, a receptacle, a grating thereover, a movable seat above the grating, and means operated by the seat to press matter through the grating into the receptacle.

1,539,256. KINETIC-ENERGY ABSORBER. FREDERICK GEHLER, Alhambra, Calif., assignor to The Pelton Water Wheel Co., San Francisco, Calif., a Corporation of California. Filed Nov. 20, 1924. Serial No. 751,133. 10 Claims. (Cl. 253—136.)



1. A kinetic energy absorber for absorbing the kinetic energy of a fluid stream comprising means for dividing the stream, and means for causing the divided streams to be directed toward each other behind the point of division of the initial stream.

1,539,257. COMBUSTION CONTROL. GEORGE H. GIBSON, Montclair, N. J. Filed Aug. 22, 1922. Serial No. 583,491. 4 Claims. (Cl. 236—15.)

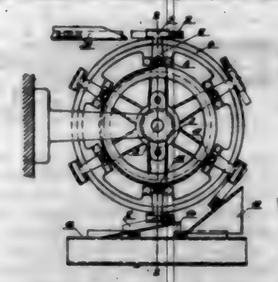


1. The combination with a furnace comprising a grate on which solid fuel is burned and having its primary air inlet and its outlet for gaseous products of combustion connected, one to the atmosphere by a passage of constant flow resistance, and the other to a draft creating device, of fuel supply means automatically responsive to a force proportional to the difference between the resultant of the pressure in the furnace above the grate and the opposing pressure of the atmosphere over one area, and the resultant of the pressure in the furnace adjacent the draft creating device and the opposing pressure of the atmosphere over an area different from the first mentioned area, for supplying fuel to said grate as required to maintain a fuel bed of approximately constant resistance to gas flow therethrough.

1,539,258. MEANS FOR DELIVERING AND SORTING CIGARETTES FROM CIGARETTE-MAKING MACHINES. LOUIS PAUL GRAUPNER, Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. Filed Mar. 31, 1924. Serial No. 703,303. 8 Claims. (Cl. 131—39.)

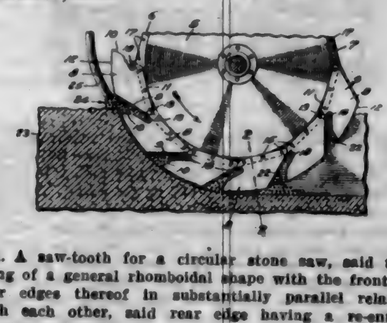
1. A device for delivering cigarettes from a rod forming cigarette machine, comprising a continuously revolving body, means on and revolving with said body

capable of periodically gripping a cigarette when brought into the path of the cigarette rod, a sliding surface in close proximity to the periphery of said body and



means for causing the release of the cigarette from said gripping means the instant it arrives close to said sliding surface.

1,539,259. STONE SAW. JOHN A. HALL, Seattle, Wash., assignor to Parker Rotary Stone Saw Company, San Francisco, Calif., a Corporation of Nevada. Filed Sept. 4, 1923. Serial No. 660,919. 4 Claims. (Cl. 125—22.)



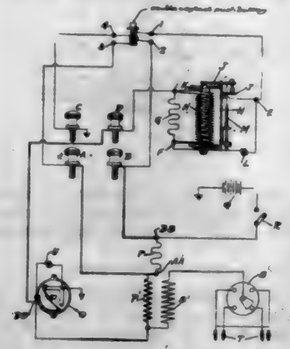
1. A saw-tooth for a circular stone saw, said tooth being of a general rhomboidal shape with the front and rear edges thereof in substantially parallel relations with each other, said rear edge having a re-entrant angular pocket therein.

1,539,260. ACID-RESISTANT ALLOY. CHARLES B. JACOBS, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed May 6, 1922. Serial No. 559,068. 5 Claims. (Cl. 75—1.)

1. A copper-base alloy in which the copper is combined with sufficient silicon to form an alloy that is more resistant to acids than is pure copper, said alloy also containing a sufficient amount of manganese to render the alloy machinable and workable.

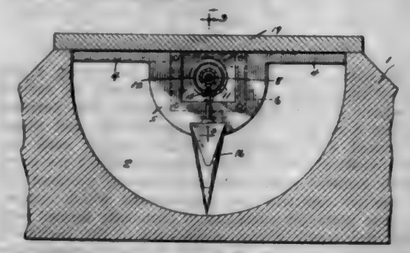
1,539,261. AUXILIARY IGNITION CIRCUIT. CHARLES M. LINDSAY, Washington, D. C. Filed Nov. 15, 1923. Serial No. 674,997. 8 Claims. (Cl. 123—148.)

1. In a system of the character described, the combination with a normally closed mechanically operated primary circuit interrupter, opened only during the ignition period of each cycle of an engine's operation, a condenser connected in parallel with said interrupter, a distributor, a battery connected therewith, an induction coil between the distributor and the battery and a resistance coil associated with the induction coil, of means for passing a continuous series of sparks through the distributor and only during the ignition and combustion period of each cycle of the engine's operation, said means including a high frequency low resistance electro-magnetically operated vibrator in shunt with the mechanically operated primary circuit interrupter, said vibrator consisting of a low resistance, inductive winding, a low resistance non-inductive winding shunted across, or connected in parallel with the inductive winding, a vibrating member connected in series with the windings, two contact points, one mounted on the vibrating member, the other normally



stationary, means to adjust the stationary contact point, a condenser in shunt with the contact points and a double pole push button, one pole serving to connect the stationary contact to ground, the other pole of the push button being connected in such a manner that it shorts out the resistance coil in the primary circuit.

1,539,262. INSTRUMENT. HUGH MCALEISH, New York, N. Y. Filed May 26, 1924. Serial No. 715,782. 1 Claim. (Cl. 33—215.)

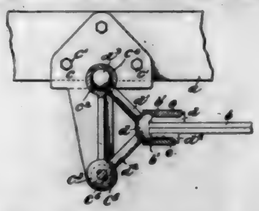


In an instrument of the class described the combination of a stock, provided with a transverse opening extending therethrough, a bridge across the top of said opening and extending longitudinally of the stock, side flanges secured to said bridge, side plates secured to said flanges, a shaft supported in said plates, bearing hubs carried by said shaft, nuts on the ends of said shaft for clamping the side plates between the bearing hub and the nuts to hold the shaft and bearing hubs against rotation, ball bearings in said hubs, a barrel supported on said bearings, and on indicator adjustably attached to the periphery of said barrel and extending transversely of the barrel, said indicator and barrel being adapted to swing by gravity to vertical position at all times.

1,539,263. CUSHION CONNECTION FOR VEHICLE CONSTRUCTION. ALFRED F. MASURY and AUGUST H. LEIPERT, New York, N. Y., assignors to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1922. Serial No. 543,661. 2 Claims. (Cl. 267—54.)

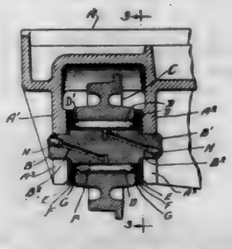
1. In combination with the spring and frame of a motor vehicle, a wholly non-metallic support interposed between an end of the spring and the frame and comprising a block of non-metallic yielding material engaged at one end with the spring, a bracket carried

with the frame and secured to the lower end of said block, a second block of non-metallic resilient material connected at one end with the spring and at the other end with the bracket and disposed in line with the



first-named block, and a third block of non-metallic yielding material interposed between the end of the spring and the bracket to transmit longitudinal stresses therebetween.

1,539,264. CAR-WHEEL MOUNTING. PAUL A. MEEHAN, Cleveland, Ohio, assignor to American Dressier Tunnel Kilns, Inc., a Corporation of New York. Filed Sept. 23, 1924. Serial No. 739,375. 4 Claims. (Cl. 295—36.)



1. In a car of the type specified comprising a plurality of supporting wheels, a separate axle for each of said wheels having reduced end portions with flattened sides and a metallic car frame mounted on said wheels and formed with depending flanges, one at each side of each wheel and each having a seat in which the corresponding reduced wheel axle end is snugly received and held against rotation, the improvement which consists in a wear plate for each end of each axle formed with an aperture snugly receiving the reduced end portion of the axle and held by the latter against rotation and forming a removable facing for the side of the corresponding flange adjacent the corresponding wheel.

1,539,265. HAMMER-HEADED TOOL. GEORGE G. MITCHELL, Union, N. J., assignor to L. A. Sayre Company, a Corporation of New Jersey. Filed May 28, 1924. Serial No. 716,289. 3 Claims. (Cl. 145—29.)



3. A tool having a hammer head formed of hardened steel with two series of grooves in its face, the grooves of one series being disposed at right angles to the grooves of the other series, said grooves being so spaced and arranged as to form a plurality of rows of pyramidal projections and two rows of chisel-shaped projections at right angles to each other and each on a transverse center line of said face, a substantially smooth flat surface being also provided at the center of said face by the intersection of said series of grooves, said projections providing an anti-slip surface for said face, and said flat surface serving to receive blows from a scleroscope to permit testing of the steel at the center of said head.

1,539,266. VARIABLE RESISTANCE. CLARENCE E. MOUNTFORD, Brooklyn, N. Y. Filed Dec. 29, 1922. Serial No. 609,676. 10 Claims. (Cl. 201—62.)



6. In a variable resistance, an outer tube of insulating material, a pair of electrical contacts mounted upon the ends of said tube, a conductor of low conductivity and varying cross sectional area enclosed within said tube and a conductor of greater conductivity slidably mounted for movement longitudinally of said tube on one of said contacts and extending within said tube to contact with said first mentioned conductor.

1,539,267. HEAT-EXCHANGE APPARATUS. KARL MUHLHEIM, Philadelphia, Pa., assignor to Schutte and Koerting Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 29, 1923. Serial No. 628,430. 7 Claims. (Cl. 257—236.)



1. In heat exchange apparatus, the combination of a casing, a plurality of tubes therein, a tube plate relatively movable with respect to the said casing to which one end of each of said tubes is connected, the said tube plate having at its peripheral edge an outwardly extending flange which is spaced from the inner surface of the said casing, packing within the space between the said flange and the said casing, a head plate for closing the adjacent end of said casing, which head plate is adjustable axially of said casing and means intermediate the said head plate and the said packing whereby upon adjustment of the said head plate inwardly the said packing is compressed.

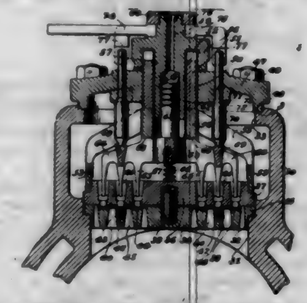
1,539,268. EMERGENCY MEANS OF EGRESS FROM ELEVATOR CARS. OSCAR A. NORMAN, Newark, N. J. Filed Aug. 15, 1923, Serial No. 657,517. Renewed Oct. 24, 1924. 24 Claims. (Cl. 187—1.)



5. In an elevator car, an emergency means of egress near the top or ceiling of said car and means of access to said egress means, comprising a removable side panel,

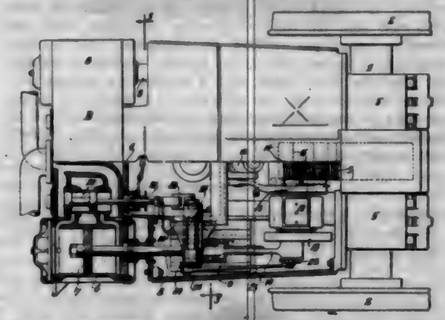
a series of foldable steps attached thereto adapted to fold into a closet formed between said side panel and the exterior side wall of said car.

1,539,269. UNLOADER FOR COMPRESSORS. ALBERT F. PARKS, South Norwalk, Conn., assignor to The Norwalk Company, South Norwalk, Conn., a Corporation of Connecticut. Filed Aug. 15, 1924. Serial No. 732,237. 8 Claims. (Cl. 137—153.)



8. In combination with an inlet valve of a compressor, an unloader comprising a valve lifter, means for depressing said lifter, said means including plungers directly engaging said lifter at equally spaced points about its center, and means for manually depressing the plungers.

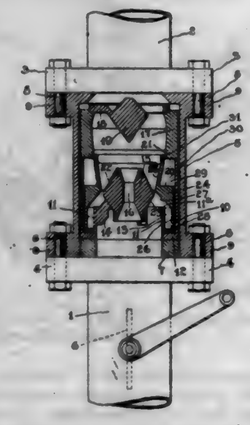
1,539,270. LOCOMOTIVE BOOSTER-MOTOR CONSTRUCTION. FRANK R. PETERS, New York, N. Y., assignor to Franklin Railway Supply Company, a Corporation of Delaware. Filed Dec. 19, 1922. Serial No. 607,764. 6 Claims. (Cl. 105—40.)



1. In combination, a normally idle railway vehicle axle with its wheels, a crank shaft parallel to said axle between the wheels, gearing between the axle and the crank shaft, a large capacity bearing for the crank shaft on each side of the gearing, crank pins outside the bearings, a booster cylinder and piston opposite each crank pin, a connecting rod between each piston and crank pin, cylinder valves between the cylinders, and valve motion parts crossing the connecting rods and connected to the crank shaft beyond the crank pins.

1,539,271. FLUID-CONTROL MEANS FOR MOTORS. FRANK POKORNY, Mamaroneck, N. Y., assignor, by direct and mesne assignments, of one-half to Francis W. Keegan, New York, N. Y. Filed May 1, 1920, Serial No. 378,190. Renewed Sept. 18, 1924. 3 Claims. (Cl. 137—153.)

1. In fluid supply means for internal combustion engines, in combination, a control valve, means whereby said valve is caused to open under the suction pull created by the aspiratory operation of the engine, a lower skirt portion for said valve, a flange for said skirt to enlarge its area, a concentric chamber in which



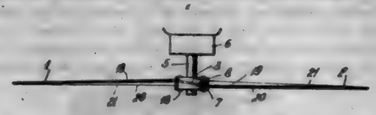
said skirt portion operates, and means whereby the influence of the suction pull is exerted as a drag force upon said valve skirt and flange to retard the valve opening movement.

1,539,272. MOTOR-CAR SPRING SUSPENSION. SIDNEY I. PRESCOTT, New York, N. Y. Filed Oct. 7, 1921. Serial No. 505,993. 8 Claims. (Cl. 267—20.)



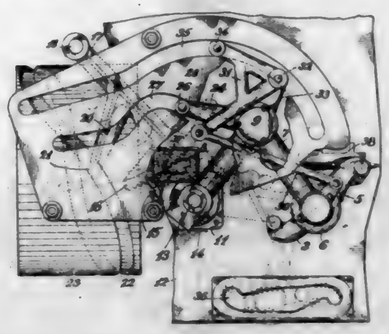
1. In a motor car spring suspension, the combination with an axle, of a frame, an intervening load-carrying volute spring, and connections between said axle and said frame which include two slightly flexible bars pivotally connected with said frame one above the other and rigidly bolted one to the top and one to the bottom of said axle to relieve said spring of all stress excepting that caused by its deflection.

1,539,273. PROPELLER. SYLVANUS A. REED, New York, N. Y., assignor to The Reed Propeller Co., Inc., New York, N. Y., a Corporation of New York. Original application filed May 26, 1920, Serial No. 384,293. Divided and this application filed June 26, 1923. Serial No. 647,897. 14 Claims. (Cl. 170—159.)



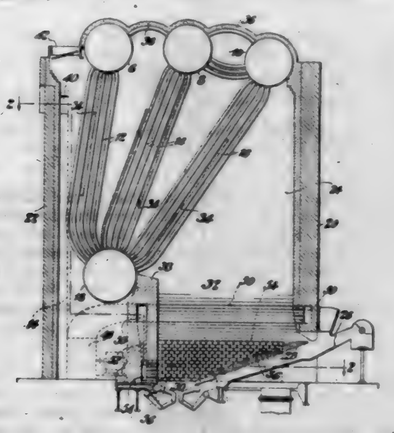
1. In propelling means, a hub and a propeller attached thereto bent or twisted in one general angular direction in its entirety in the region of connection with said hub to maximum pitch-angles, and beyond said region twisted in the reverse direction to provide pitch-angles diminishing helically towards and to the tips.

1,539,274. CIGAR-WRAPPER-DELIVERING MEANS. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed June 26, 1924. Serial No. 722,592. 12 Claims. (Cl. 131—39.)



1. Cigar wrapper delivering means, comprising a flying wrapper carrier, carrier supporting means articulated approximately at its centre, an anchorage for said means, mechanism for moving said means about said anchorage, and a movement controlling device for said carrier.

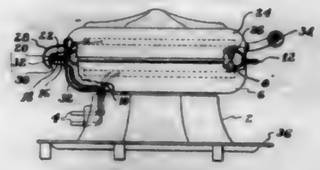
1,539,275. METHOD OF PROTECTING THE LININGS OF FURNACES. GEORGE W. SAATHOFF, South Orange, N. J., assignor to Doherty Research Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 18, 1922. Serial No. 537,651. 10 Claims. (Cl. 110—1.)



1. A method of protecting furnace refractories from corrosion which comprises passing adjacent to the side refractories a sufficient amount of an oxidizing gas which will not evolve heat when reacting with furnace gates to maintain the said refractories below the slagging temperature and to deflect the flame from said refractories.

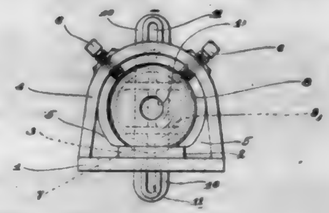
1,539,276. ELECTRIC WAFFLE IRON. GEORGE B. SAVAGE, Meriden, Conn., assignor to Manning, Bowman & Company, Meriden, Conn., a Corporation of Connecticut. Filed Oct. 25, 1924. Serial No. 745,758. 5 Claims. (Cl. 219—19.)

2. In an electric waffle iron, the combination of upper and lower grids, casings for said grids, a hinge pivotally connecting the two grids together, and a flange surrounding the lower grids, said flange being fixed in substantially the plane of the upper surface of said lower



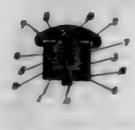
grid and projecting horizontally beyond both of said casings, the lower leaf of the hinge being connected to and supported by said flange.

1,539,277. ADJUSTABLE BRACKET. PIERCE D. SCHENCK, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Oct. 19, 1923. Serial No. 669,598. 1 Claim. (Cl. 248—3.)



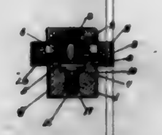
In combination in a bracket, a cast member comprising a base having a recess in the face thereof, and an inverted U-shaped member with its ends integral with such base and its concave portion extending over said recess in opposition thereto, an adjustable cast member including a hollow ball lying in said U-shaped member and engaging said recess, and a supporting portion projecting laterally from the ball, and a plurality of clamping bolts threaded through the curved portion of the U-shaped member and engaging said ball and lying radially with respect to said ball.

1,539,278. ELECTRICAL SWITCH. CHARLES C. SCHREIL, Chicago, Ill. Filed Jan. 29, 1924. Serial No. 689,220. 8 Claims. (Cl. 200—159.)



1. In a device of the class described, a body portion of insulating material having a bore in two diameters, a terminal plate positioned in the bottom of the larger bore and having a threaded part extending through the smaller bore to the exterior of the body with means for attaching a conductor thereto, a contact member fitting into said larger bore above the said terminal and having a bore therein and a reduced portion extending outward from the body, a spring positioned in the bore of the contact member and extending toward the terminal plate, an insulator positioned between the spring and said plate, a cap fastened to the contact member and having a recess extending over said body portion, a yoke fitting over the reduced portion of said contact member and fastened to the outer part of said body for the purpose described.

1,539,279. ELECTRICAL SWITCH. CHARLES C. SCHREIL, Chicago, Ill. Filed Jan. 29, 1924. Serial No. 689,221. 11 Claims. (Cl. 200—4.)



1. In a device of the class described, a body portion having a plurality of contacts, a cap fitting over the body and means for operatively fastening the cap and body together but permitting relative rotation therebetween, a metallic plate carried by the cap and adapted in one position of the cap to connect a pair of said contacts together, a push button movably carried by the cap, a contact member operated by the push button to engage at least one of said plurality of contacts, and a circuit completing member extending from said contact member to the outer periphery of the body.

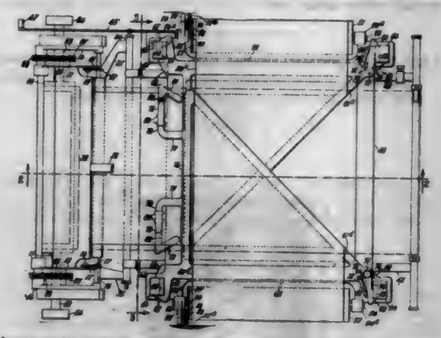
1,539,280. LOOSE-LEAF BINDER. HARRY J. SILVERMAN, New York, N. Y. Filed Oct. 12, 1923. Serial No. 668,048. 4 Claims. (Cl. 129—18.)



1. A loose leaf binder comprising clamping members, telescopic tubes respectively carried by said members, one of said tubes having a laterally disposed hole and having a longitudinal bore communicating with said hole, a controlling member operative in said bore and provided with an inwardly tapering stem at its inner portion located in operative relation to said hole, a friction member operative in said hole with relation to said tubes and to said tapering stem, and a spring within said bore cooperative with the corresponding tube and with the controlling member to normally cause said stem to force the friction member against one of said tubes said tapering stem being in position to permit the clamping members to be moved toward one another without operation of said controlling member.

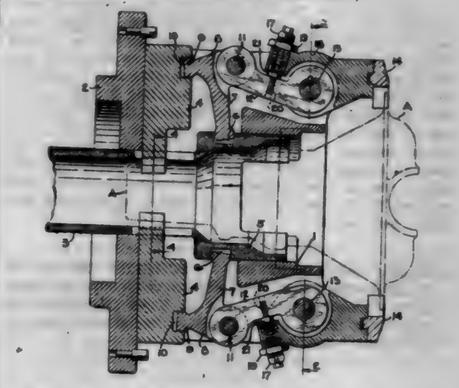
1,539,281. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 23, 1923. Serial No. 627,026. 21 Claims. (Cl. 197—126.)

1. The combination with a typewriting machine, of a table, means for guiding a multiple-ply work-sheet web over the table to the platen of the machine, a carbon-carrier movable on the table toward and from the platen in the line of movement of the work-sheet web, a rotary spool on the carbon-carrier for holding superposed carbon-webs, means for locking the spool against rotation, and for releasing the same for withdrawal of the carbon-webs from the spool, means for guiding the carbon-webs crosswise of the path of movement of the carbon-carrier as such webs are withdrawn from the spool, and for separating the superposed web-portions thus withdrawn, for interleavement thereof with the plies of the work-



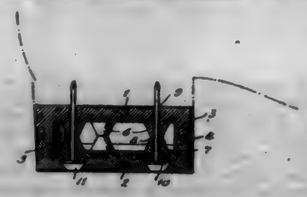
sheet web, and means on the carbon-carrier for turning and directing the carbon-webs along the path of the work-sheet web.

1,539,282. CHUCK. ROBERT E. SPURR, Detroit, Mich., assignor to Dodge Brothers, Detroit, Mich., a Corporation of Michigan. Filed July 2, 1920. Serial No. 393,620. 15 Claims. (Cl. 279—110.)



1. In a chuck, the combination with a set of jaws, of means connecting said jaws for movement in unison, said means including a lever for each jaw, a second set of jaws, each individual jaw of said second set connected to an individual jaw of the first set through the medium of one of said levers, and means engaging said levers for moving both sets of jaws.

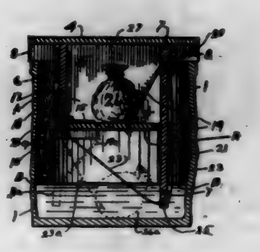
1,539,283. SHOE HEEL AND SOLE LIFT. RUDOLPH C. G. STAATS-OHLS, Brooklyn, N. Y. Filed Mar. 12, 1924. Serial No. 698,618. 4 Claims. (Cl. 36—35.)



3. A resilient lift for heels including complementary sections capable of engagement at their outer margins and recessed in their adjacent faces to provide an air

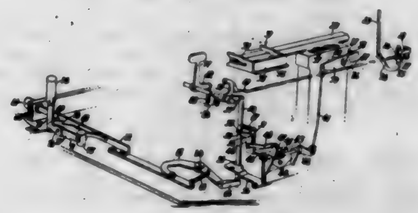
chamber interiorly of said lift, and bosses extending from said faces into engagement with each other, said bosses having closed ends and apertures extending outwardly from said ends.

1,539,284. FUMIGATING DEVICE. JOHN EDWARD THEBAUD, Philadelphia, Pa. Filed Feb. 14, 1921. Serial No. 444,876. 9 Claims. (Cl. 23—282.)



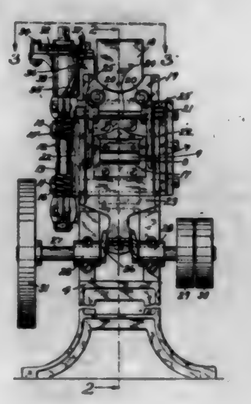
1. In a device adapted to cause two chemical substances, held thereby, to automatically come together for a reaction after time has elapsed from the setting of said device, a member, normally positioned to keep the said substances apart, and means for retaining said member in its normal position, said means including a part, perishable in one of said substances, whereby, upon the breaking of said part, weakened in the said substance, said means releases its hold upon said member, freeing the same to change from its normal position, permitting said substances to come together and react, after the time required by the said portion to weaken in the said substance and break.

1,539,285. TYPEWRITING MACHINE. HARRY H. VICKERS, Corona, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 5, 1923. Serial No. 610,746. 15 Claims. (Cl. 197—151.)



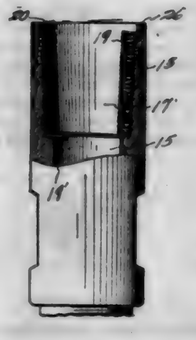
1. In a typewriting machine, in combination, a traveling carriage, a platen to support, at the printing line, a plurality of superposed work-sheets and interleaved carbons; types to press against the platen at the printing line to make ribbon impressions on the outside work-sheet and carbon impressions on the other work-sheets, and carriage-controlled means to prevent impressions from being made on the outside work-sheet during part of the making of carbon copies on the other or inner work-sheets.

1,539,286. TOBACCO CUTTER. VERNER J. WAHLSTROM, Brooklyn, N. Y., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed May 22, 1924. Serial No. 714,997. 10 Claims. (Cl. 146—157.)



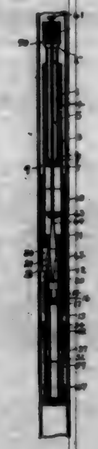
1. A tobacco shredder comprising means for feeding a sheet of tobacco, means for shredding said sheet as fed, and cam-controlled means actuated by said shredding means for intermittently operating said feeding means.

1,539,287. TUBULAR COUPLING. ROBERT A. WILSON, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed May 15, 1924. Serial No. 713,419. 9 Claims. (Cl. 285—149.)



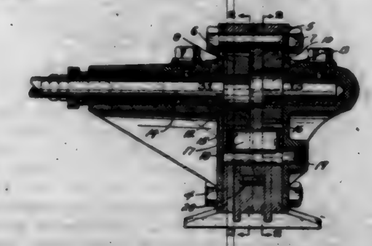
1. A coupling for tubular conductors comprising in combination, a pin member, a tapered pin carried by the pin member and having threads arranged in longitudinal panels on diametrically opposite sides thereof, shoes on the lower end of the pin, a box having a well shaped to receive said pin and provided with threads arranged in spaced vertical panels to mesh with the threads of the pin, and seats at the bottom of the well of the box between the thread panels thereof for receiving the shoes when the pin is inserted in the box, the pin member, pin and box having an axial bore.

1,539,288. PIPE CUTTER. HARRY S. CAMERON and JAMES S. ABERCROMBIE, Houston, Tex. Filed Oct. 31, 1922. Serial No. 596,130. 14 Claims. (Cl. 81—195.)



2. In a pipe cutter for use in deep wells, an operating pipe, an anchoring means thereon, means operable at a predetermined position in the well to fix said anchor, a cutter head having a rotatable bearing on said anchoring means, radially movable cutters in said head, means loosely mounted in said operating pipe to advance said cutters when said operating pipe is lowered relative to said head, said operating pipe also serving to rotate said head.

1,539,289. DIFFERENTIAL PUMP. CARL E. ANDERSON, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed June 25, 1924. Serial No. 722,208. 10 Claims. (Cl. 103—117.)



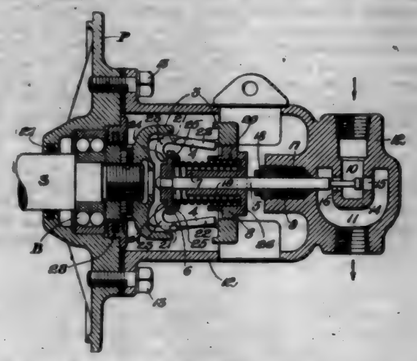
1. A differential pump, comprising two cylinders having capacities which differ in accordance with the required outflow, mechanism for circulating liquid from the larger cylinder through the smaller cylinder, discharging the excess liquid, and returning the remainder to the larger cylinder, and means for supplying additional liquid to the larger cylinder to replace the excess liquid discharged.

1,539,290. TERMINAL CONNECTER. HUGH W. BATCHELLER, Worcester, Mass., assignor to Winooski Electric Manufacturing Company Inc., Burlington, Vt., a Corporation of Vermont. Filed Oct. 18, 1923. Serial No. 669,228. 3 Claims. (Cl. 173—269.)

1. A terminal connecter comprising an insulating body having a bore, and a stop face at one end of the bore; and a fixed conductor having a contact portion, a shoulder adapted to bear on said stop face, and an anchoring portion spaced from the contact portion and formed to engage the bent end of a flexible conductor, the fixed conductor and the bent end of a flexible conductor engaged therewith being insertible in the bore to an extent determined by the said stop face and shoulder, and the diameter of the bore being such that the said bent end is confined by the bore in the form of a hook interengaged with said anchoring portion.

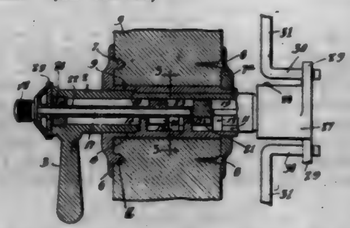


1,539,291. GOVERNOR. OLIVER D. H. BENTLEY, Roslindale, Mass., assignor to B. F. Sturtevant Company, Boston, Mass., a Corporation of Massachusetts. Filed July 10, 1918. Serial No. 244,160. 8 Claims. (Cl. 137—140.)



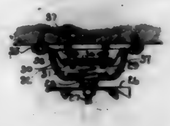
8. In a governor, the combination with a casing and a driven shaft having its end projecting through the casing, of speed controlled mechanism mounted upon the end of the shaft including a spindle and balanced valve mounted in alignment with the shaft, and a housing mounted at one end upon the casing and enclosing the speed controlled mechanism and carrying at its outer end a valve chamber for the balanced valve.

1,539,292. LOCK. JAMES F. BRIDGEBECK, Long Beach, Calif. Filed Feb. 5, 1924. Serial No. 690,759. 5 Claims. (Cl. 70—18.)



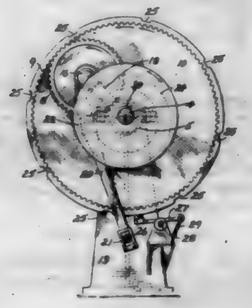
1. In a combination lock, a barrel having a longitudinal slot and circular slots intersecting said first slot, means providing lugs engaging the barrel to prevent rotation thereof in one position and operative when aligned with said circular ways to permit rotation of the barrel, and a plurality of separately controlled members adapted to normally hold the barrel in one position and in a certain position to permit movement of the barrel to the other position.

1,539,293. COMBINED THERMOSTATIC CIRCUIT CLOSER AND SPRINKLER. WILLIAM TONIS BRIDGES, La Fayette, Ga. Filed June 10, 1922. Serial No. 567,392. 8 Claims. (Cl. 200—142.)



1. In a combined thermostatic circuit closer and sprinkler, main lead wires having portions disposed in parallel relation, a water conduit extending transversely of the parallel portions of the wire, nozzles connected with the water conduit at spaced points and provided with rotary valves for controlling the flow of water from said nozzles, a lever projecting from the stem of the valve, a coiled spring mounted on the stem of said valve and connected with the operating handle for maintaining the valve normally in open position, and easily fusible material connected with the handle and the nozzle for retaining the valve in closed position, a sprayer wheel adjacent the nozzle and adapted to be rotated by issuing water from the nozzle, spaced contacts connected with the parallel wires, and a movable contact held out of engagement with the spaced contacts and supporting the sprayer wheel, adapted to be moved into engagement with the spaced contacts by the pressure of the water from the nozzle.

1,539,294. MECHANICAL MOVEMENT. WILHELM B. BRONANDER, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed May 22, 1924. Serial No. 715,015. 14 Claims. (Cl. 74—7.)

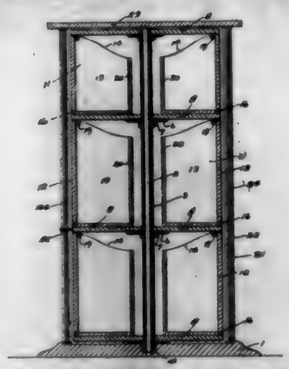


1. A mechanical movement comprising a constantly moving primary member, a secondary member in constant engagement with said primary member, a tertiary member in constant engagement with said secondary member, and cam-actuated means including a floating lever having a pin and slot fulcrum for producing a to and fro movement of said secondary member to produce from the constant movement of said primary member an intermittent movement of said tertiary member.

1,539,295. COMPOSITION FOR SUBIRRIGATION PIPES AND FILTERING VESSELS. FREDERICK H. BROWN, Las Vegas, Nev. Filed July 22, 1920, Serial No. 398,802. Renewed Mar. 10, 1925. 2 Claims. (Cl. 106—24.)

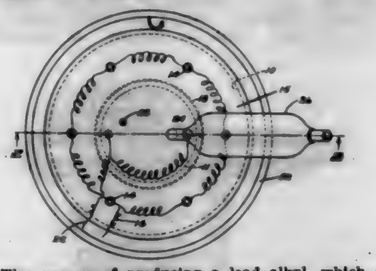
2. A plastic composition for the purpose described; consisting of earth, four parts; cement, two parts; vegetable matter, one part, and charcoal, five per cent of the bulk.

1,539,296. DISPLAY CASE. EDGAR A. BUNDY and WALTER B. GALVIN, Modesto, Calif. Filed Feb. 4, 1924. Serial No. 690,551. 5 Claims. (Cl. 211—25.)



5. A display case comprising a base, a vertical post revolvably supported thereon having platforms secured thereon in spaced relation and a plurality of sectorial receptacles grouped around the post on each platform presenting peripherally arranged outer faces adapted to have samples of goods stored in the receptacles secured thereto for display purposes, the receptacles being hinged on their outer supporting edges to allow the same to be tilted outwardly for giving access to their interior and a transparent housing surrounding the case.

1,539,297. METHOD FOR PRODUCING LEAD COMPOUNDS. GEORGE H. F. CALINGAERT, Watertown, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed July 2, 1923. Serial No. 648,872. 18 Claims. (Cl. 204—9.)



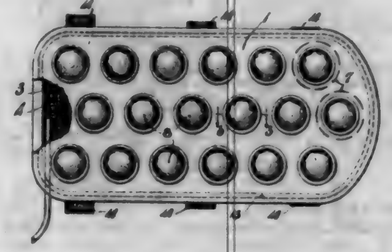
1. The process of producing a lead alkyl, which comprises forming a solution of an alkyl halide and an alkali, and reducing the reaction mass thus formed in contact with lead.

1,539,298. ADJUSTABLE SHUTTLE BINDER FOR LOOMS. HENRY VERNON CARVER, Gastonia, N. C. Filed Mar. 5, 1924. Serial No. 697,097. 7 Claims. (Cl. 139—185.)



1. In a loom having a shuttle box with a protector rod supported near its mouth and having an upstanding thumb, a bracket having integral spaced arms with opposed slots therein, means for securing the bracket to the side of the shuttle box with the arms one above the other and the slots in vertical registration and disposed in transverse relation to the box, a bolt secured in said slots and adjustable longitudinally thereof, and a binder pivoted to swing freely on said bolt with its free end disposed in the path of the protector thumb.

1,539,299. ELECTROTHERAPEUTIC MASSAGE APPLIANCE. CHARLES W. CHENEY, Boston, Mass. Filed Mar. 15, 1923. Serial No. 625,305. 4 Claims. (Cl. 174—177.)

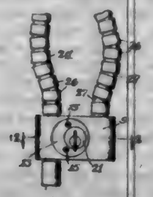


1. A device for use in giving electrotherapeutic massage treatments comprising a base made up of at least two layers of insulating material, a plurality of massaging members of electrically conductive material projecting from one side of the base, and conducting means held between said layers and electrically connected to said massaging members.

1,539,300. FISH CUTTING AND CLEANING MACHINE. ANDREW L. CHRISTIANSEN, Wilmington, Calif., assignor of twenty-four per cent to William S. La Londe, Los Angeles, Calif. Filed May 14, 1924. Serial No. 713,364. 11 Claims. (Cl. 17—3.)

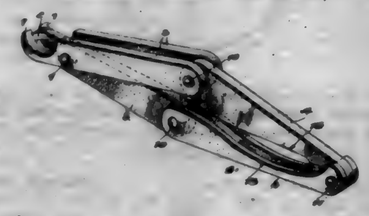
11. In a fish holding and fish accommodating member, a pair of parallel bars, a pair of cross-bars secured to said first mentioned bars and provided with means for anchoring said bars in position, a second pair of parallel bars arranged in parallel relation with said first mentioned bars, means whereby the distance between said pair of bars may be adjusted, a series of spring-controlled devices arranged parallel to said pairs of bars and below said bars, and adjustable means arranged on said pairs of bars whereby the height of said devices may be adjusted.

1,539,301. LOCK. THOMAS C. COOPER, Chicago, Ill. Filed Mar. 1, 1923. Serial No. 621,997. 4 Claims. (Cl. 70—17.)



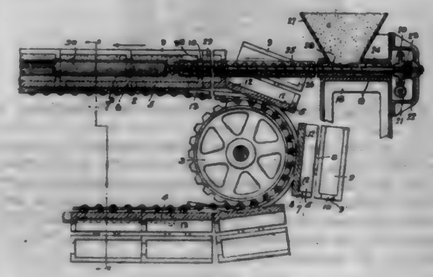
1. In a lock, a casing having a plurality of openings extending therethrough and a well formed therein, an element slidably mounted in said well and provided with a locking tooth designed to project into one of said openings in one position of said element, means for locking said element in such position, said locking means being housed within said element, and means for automatically moving said element to disengage said tooth upon release of said locking means.

1,539,302. SAFETY FUSE GRIP. ROBERT ELLSWORTH LEE CURTIS, Seattle Wash. Filed Mar. 29, 1924. Serial No. 702,921. 1 Claim. (Cl. 81—3.)



A safety grip composed of a pair of toggle joints each pair consisting of a double link and single link arrangement, said links being of insulating material, means by which the links are pivoted together completing the joint and pivoted to each other to complete the grip, said links being so disposed that a single link occupies the space between adjoining double links, gripping means including claws at one end of the grip, there being a single claw on a single link and a claw on each of the confronting double links, portions of the other links being removed at confronting places to permit insertion of the fingers of the holding hand so that the grip may be operated on the order of pliers.

1,539,303. MACHINE FOR MAKING HOLLOW TILE. GEORGE C. DERAY, Springdale, Pa. Filed Mar. 20, 1922. Serial No. 545,164. 2 Claims. (Cl. 25—99.)

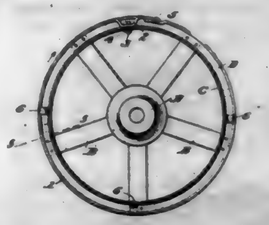


1. In apparatus for forming a hollow tile, the combination of an endless conveyer, mold-members carried thereby, foldable sections on said mold members, a horizontally arranged trough adapted to be enclosed by said foldable sections of said mold, a spiral conveyer in said trough, and a horizontally arranged core-bar connected to the outer end of said spiral conveyer.

1,539,304. EMERGENCY TIRE. ROBERT W. DORN, Larkins, Fla. Filed Aug. 30, 1922. Serial No. 585,151. 6 Claims. (Cl. 301—39.)

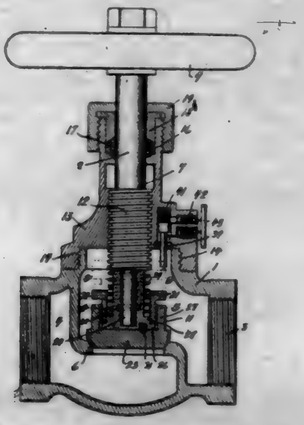
2. A supplemental tire or road band for a metal tired wheel having an outer surface transversely irregular, said supplemental tire consisting of a split ring having its ends arranged in overlapping relation, in arranged relation on the wheel, and having its radially outer and anchored end portion, in arranged relation, rigidly connected to the tire of said wheel by suitable

means and its radially inner end free to slide circumferentially under said anchored end portion and bifurcated to receive between its bifurcations a portion



of the tire of said wheel, all portions of said supplemental tire intervening between said end portions being free to move circumferentially and radially of the wheel.

1,539,305. VALVE. JOSEPH J. DUNNE, Seattle, Wash. Filed July 13, 1923. Serial No. 651,390. 6 Claims. (Cl. 251—26.)



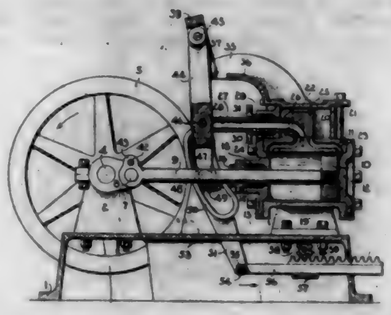
3. A valve of the character described comprising a stem adapted to be actuated by screw action, a valve head slidable thereon, spring means tending to impart endwise motion to the valve head relative to the stem, a pin extending from the stem into a transverse groove in the valve head normally preventing such motion and means for causing said pin to register with a longitudinal groove at predetermined times allowing the head to yield to the spring action.

1,539,306. TELEPHONE RECEIVER. VERNON DURBIN, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Mar. 19, 1923. Serial No. 625,942. 5 Claims. (Cl. 179—114.)



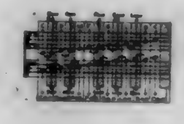
2. A core assembly for telephone receivers having, in combination, a core having a body portion, an enlarged head or pole piece and a reduced foot, a spool top on the core adjacent to the pole piece of the core, a core head on the core adjacent to the foot, and a core shoe embracing the foot, the foot being riveted in the hole in the core shoe.

1,539,307. OSCILLATING ENGINE. HENRY T. FARNSWORTH, deceased, late of Ligonier, Pa., by John T. Farnsworth, administrator, Everson, Pa., assignor of one-half to James S. Braddock, Mount Pleasant, Pa. Filed July 26, 1922. Serial No. 577,636. 8 Claims. (Cl. 121—63.)



1. In an oscillating engine, an oscillating cylinder, a piston reciprocable therein, a valve chest, ports connecting the valve chest with opposite ends of the cylinder, a valve controlling said ports, a rod connected with the valve, means operated by the engine for oscillating the rod, said means comprising a lever intermediately fulcrumed, a link connecting one end of the lever with the main shaft of the engine, an oscillatory arm having one end pivotally connected to the opposite end of said lever, said oscillatory arm having a connection intermediate its ends to the valve rod, arcuate tracks between which the opposite end of the oscillatory arm is guidded, and means for shifting the position of said tracks to reverse the engine.

1,539,308. MUSIC NOTATION. EDITH A. FAUNT, Vancouver, British Columbia, Canada. Filed Mar. 4, 1922. Serial No. 541,097. 16 Claims. (Cl. 283—47.)



14. In musical notation, wherein is provided a blank, having thereon the customary staff, using leger lines where neccessary, combined with a distinctively different line adjacent to the E and F lines in the E and F spaces of the existing staff, and a further distinctive line adjacent to the B and C lines in the B and C spaces of existing staff, G and F clef signatures consisting of the letters G and F, the lower horisontal of the G being on the G line and the upper horisontal of the F being on the F line, a key signature consisting of a note-head, located on the line or in the space of the tonic, indicating by its form whether the tonic is a sharp, flat or natural and indicating by its note value the beat unit, and note-heads of three distinctive outlines, one of which indicates the white piano-keys, another the black piano-keys when termed sharps, and the third the black piano-keys when termed flats, said note heads having insets indicating the modifications in pitch of an adjacent note in the natural scale, and syllabic names adjacent to the notes wherein the initial consonant of the syllable is the letter-name of the pitch where the said letter-name is a consonant.

1,539,309. PROCESS OF TREATING FRUIT. IRVIN S. GOLDMAN, Merced, Calif. Filed July 21, 1923. Serial No. 652,980. 3 Claims. (Cl. 99—11.)



3. The herein described method of tendering the skins of figs which consists in first moistening the figs and then placing same in a sealed space containing steam under a fixed pressure and for causing the figs to remain subjected to the action of the steam for a fixed interval while sealed from the atmosphere.

1,539,310. ROVING, SPINNING, AND LIKE MACHINE. SIGURD H. HELLAND, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Jan. 3, 1925. Serial No. 434. 4 Claims. (Cl. 19—134.)



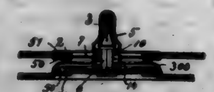
2. In a machine of the character specified, a plurality of top-roll sections, a revolvable, longitudinally slidable shaft for each section, a plurality of arms supporting the top-rolls and adjustably mounted on the shaft, a split hub on each arm, a bolt clamping the hub to the shaft, and fixed bearings for the shaft located between the ends of two adjacent sections, means for maintaining each section in a stationary position between the bearings, and means for the removal or replacement of a top-roll supporting arm.

1,539,311. FUSIBLE LINK. WILLIS K. HODGMAN, Taunton, Mass.; Emma A. Hodgman executrix of said Willis K. Hodgman, deceased. Filed Feb. 11, 1922. Serial No. 535,797. 1 Claim. (Cl. 169—42.)



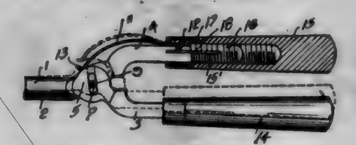
A fusible link comprising a pair of similar relatively thin flat plates each having an aperture near one end and a transverse channel of rectangular cross section between the aperture and the opposite end, the said aperture being countersunk at its edge adjacent the end of the plate in which it is located and at the face of the plate in which the channel is located and a fulcrum block having a thickness equal to the combined depths of said channels, having its longitudinal edges convex and having its width slightly less than the width of said channels whereby when the link is assembled with the plates reversed endwise and with the channels facing each other and with the fulcrum block in the channels and the parts united by fusible solder, the major part of the tension imparted to the link at the apertures will be taken by the fulcrum block and upon the melting of the solder a positive separating tendency is secured by the countersunk edges of the apertures presenting bearing edges definitely located on opposite sides of the plane of the adjacent faces of the plates.

1,539,312. TURNBUTTON FASTENER. GEORGE A. HOLMES, Newton Center, Mass., assignor to United States Fastener Company, a Corporation of Maine. Filed May 2, 1923. Serial No. 636,172. 2 Claims. (Cl. 24—221.)



1. A turn button fastener comprising a socket member having an elongated opening, and a button member composed of a base plate adapted to be secured to the part to be fastened, a pintle extending through an opening in said baseplate, a head secured to said pintle at one side of said baseplate and a button also secured to said pintle at the other side of said baseplate, and a spring interposed between said button and base-plate and yieldingly forcing said button away from said baseplate.

1,539,313. HAIR-WAVING IRON. EARLE W. HOMER, Spokane, Wash. Filed May 24, 1924. Serial No. 715,585. 5 Claims. (Cl. 132—37.)



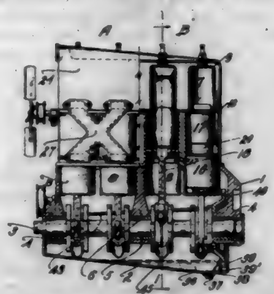
5. The combination with pivoted jaws each having a shank and a slotted pivoted head whereby the jaws may be spaced substantially apart, of a flat spring having an end fixed to a shank and bearing against the head of the other shank, screw threads on the end of the first shank, and a threaded handle-sleeve on the first shank adapted to vary the tension of the spring.

1,539,314. TEAT-ENGAGING TIP. MURRAY V. C. HOWES, Portland, Oreg. Filed Aug. 17, 1922. Serial 582,512. 1 Claim. (Cl. 128—239.)



A teat-engaging tip having a body; a stop flange formed around said body; a circular V-shaped wall formed on said flange on its teat engaging side and having a central opening passing through said body; and means for attaching a hose to said body.

1,539,315. INTERNAL-COMBUSTION ENGINE. THOMAS A. HUTSELL, Spokane, Wash., assignor to Hutsell Motor Company, Spokane, Wash. Filed Jan. 27, 1921. Serial No. 440,279. 1 Claim. (Cl. 123—59.)



The combination in an internal combustion engine with a pair of co-axial compression and working cylinders and complementary compression and working pistons, said working cylinder having an extension within the compression cylinder below the bottom rings of the working piston, of a manifold casting having an intake port to each compression cylinder and a closely related exhaust port from each working cylinder, and a transfer manifold comprising intercepting tubular structures having communicating outlet ports from said compression chambers and communicating inlet ports to said working cylinders, for the purpose described.

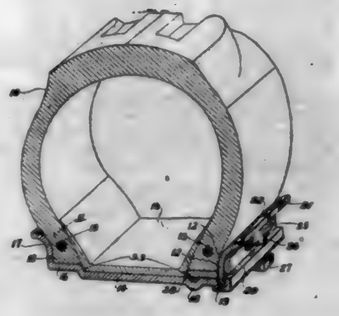
1,539,316. POLE SWITCH. OLOF JACOBSON, Stockholm, Sweden. Filed May 3, 1923. Serial No. 636,326. 6 Claims. (Cl. 200—44.)



1. In a pole switch, the combination of a swinging frame and a spring actuated arm contacting with said frame and tending to urge the same upwardly, the contact of said frame and arm being slidable when said frame is swung whereby the effective length of said arm is varied, thus causing said arm to exert a varying force on said frame at different angular positions to counterbalance the weight thereof.

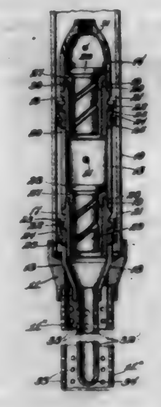
1,539,317. WHEEL RIM. FRANK P. JOHNSON, Danville, Pa. Filed Mar. 28, 1924. Serial No. 702,640. 4 Claims. (Cl. 152—21.)

4. A wheel rim having a body portion with an integral flange at one side and an integral ledge inside the flange terminating at its inner side with an inwardly sloping shoulder, the remainder of the body portion having a cylindrical surface of substantially uniform diameter less than the diameter of the ledge and merging into said sloping shoulder, said body portion having near its opposite side an annual channel, a split retaining ring having a flat inner face removably locked in said channel, and a removable face removably locked in said channel, and a removable ledge section inside said retaining ring and retained thereby,



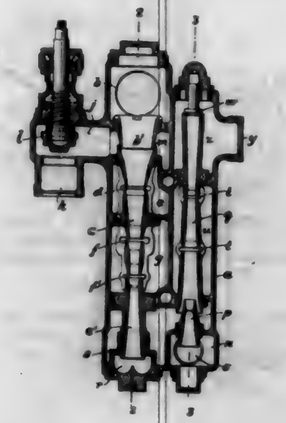
said ledge section being similar in shape to the integral ledge and opposed thereto, the inner wall of said channel forming a rounded annular shoulder, and said removable ledge section having a correspondingly shaped flange projecting inwardly from its outer edge and filling the space between said rounded shoulder and the flat inner face of the retaining ring to fix the position of said removable ledge section.

1,539,318. STANDING VALVE FOR DEEP-WELL PUMPS. VINCENT P. KILL, Lawton, Okla., assignor of one-third to Henry J. Muller, Oklahoma City, Okla., and one-third to Orrin J. Gaster, Lawton, Okla. Filed Dec. 13, 1924. Serial No. 755,742. 3 Claims. (Cl. 103—229.)



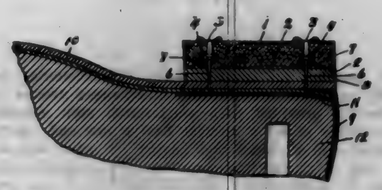
1. A standing valve for the working barrels of oil wells comprising upper and lower crowns, upper and lower barrel sections and a lower seating valve, a valve operating within each of the upper and lower crowns, said upper barrel section connecting the upper and lower crowns, the lower barrel section connecting the lower crown and said lower seating valve, each of said barrel sections supporting packing upon the outer surfaces thereof for engagement with the walls of the working barrel.

1,539,319. INJECTOR. STRICKLAND L. KNEASS, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,651. 2 Claims. (Cl. 162—1.)



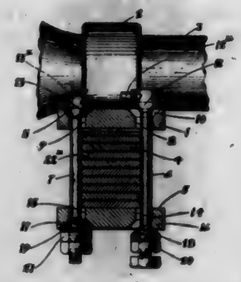
1. A steam boiler feeder comprising, in combination, an injector comprising a steam nozzle, a combining tube provided with a lateral overflow opening positioned at a point where the cross sectional area of the tube is substantially smaller than the minimum diameter of the steam nozzle and greater than the area of the water entrance, means to prevent influx through said opening, and a delivery tube operated by low pressure steam, a second injector comprising a steam nozzle, a combining tube and a delivery tube operated by high pressure steam, a passage affording communication from said first mentioned injector to said second injector and a check valve in said passage adapted to prevent reflux.

1,539,320. RESILIENT HEEL. EUCLID I. LA CHAPELLE, Brockton, Mass. Filed May 24, 1924. Serial No. 715,615. 3 Claims. (Cl. 36—35.)



1. A resilient heel having a base portion, a top portion, and an intermediate body portion having a plurality of washers embedded therein and also having a plurality of lines of fastenings arranged coaxial with the embedded washers, said base portion being weaker on the lines of fastenings than the top portion on the lines of fastenings, whereby the weaker portions only of the base portion are moved towards the shoe, to which the heel is applied, under the influence of the driving home of the fastenings against the washers, to thereby convert the base portion into a plane surface and force the plane surface firmly against the shoe without affecting the top portion.

1,539,321. SPRING-CLAMPING DEVICE AND THE LIKE. RALPH M. LOVEJOY, Boston, Mass. Original application filed July 2, 1920, Serial No. 393,586. Divided and this application filed Nov. 9, 1922. Serial No. 599,810. 5 Claims. (Cl. 267—52.)



1. Mechanism for clamping together a series of superimposed devices of equal width comprising a base and a co-operating clamping member, separate means located on opposite sides of said superimposed devices connecting said clamping member to said base operable to force said clamping member toward said base and simultaneously to be forced bodily laterally against the edges of the superimposed devices.

1,539,322. APPARATUS FOR MAKING PHOTOGRAPHIC ENLARGEMENTS. LAWRENCE B. MORTON, San Francisco, Calif. Filed May 2, 1923, Serial No. 636,096. Renewed Mar. 30, 1925. 2 Claims. (Cl. 88—24.)



1. Enlarging apparatus comprising a driving roller and a guide between which a film is adapted to be advanced, a light slot adjacent said advancing film, a lens positioned to establish the image of the film, a cylinder to receive the image projected by the lens and adapted to carry a strip of sensitive paper and a common power means and driving connections therefrom to the film and the cylinder, said connections constructed and adapted to advance the film and the paper in opposite directions and at rates of speed proportional to the degree of the inlargement and a roller to receive the utilized film and another roller for receiving the exposed paper, and means having a slipping relation actuated from said driving connections to wind the paper and hold it tight against the cylinder.

1,539,323. SLOW-ACTING DEVICE. WALTER P. NEUBERT and WILLIAM E. SMITH, Pittsburgh, Pa., assignors to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 31, 1924. Serial No. 759,217. 10 Claims. (Cl. 188—96.)

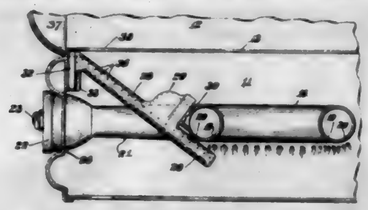
1. A slow acting device, comprising outer and inner fluid containers, a plunger within the inner container, fluid in said containers of sufficient specific gravity to float said plunger, said containers communicating with

each other above the highest level of the fluid in the outer container, a passage connecting said containers below the lowest level of the fluid in the outer container,



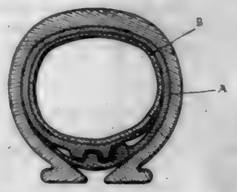
a valve member having a plurality of apertures of different sizes, and means for including any selected one of said apertures in said passage.

1,539,324. IGNITION DEVICE FOR GAS RANGES, ETC. HENRY W. O'DOWD, Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md., a Corporation of Maryland. Filed Sept. 28, 1921, Serial No. 503,972. Renewed Nov. 1, 1924. 17 Claims. (Cl. 158—115.)



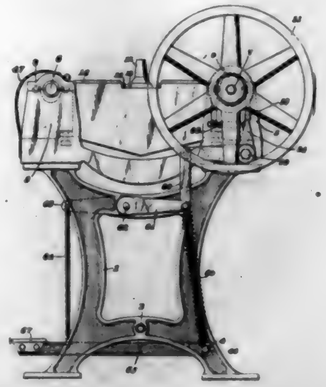
1. In a gas-range, the combination with a heating chamber, of a heating burner in said chamber having ports disposed at a predetermined plane, a pilot-burner provided with a continuous line of perforations intersecting said plane and disposed on both sides thereof, and means for supplying gas from the heating burner to the pilot-burner; whereby a flame applied to the perforations of the pilot-burner will be transmitted to the ports of the heating burner.

1,539,325. BLOW-OUT PATCH FOR PNEUMATIC TIRES. ALEXANDER OMAND, Toronto, Ontario, Canada, assignor of one-half to Ralph C. Lambert, Toronto, Canada. Filed May 5, 1924. Serial No. 711,171. 1 Claim. (Cl. 152—24.)



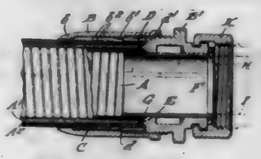
A blowout patch having overlapping sides adapted to encircle the inner tube, said sides being provided with parallel beads for interlocking engagement with each other.

1,539,326. CRIMPING MACHINE. HARRY A. PALMER, Jackson, Mich., assignor to Reynolds Spring Company, Jackson, Mich. Filed Dec. 8, 1921. Serial No. 521,018. 28 Claims. (Cl. 140—3.)



1. A crimping machine including means for holding a spring and suspending its base convolution therebeneath, and a crimping mechanism including dies for operating in the horizontal plane of said base convolution to crimp a bar onto said base convolution.

1,539,327. HOSE COUPLING. WALTER E. PHILLIPS, Cleveland, Ohio, assignor to International Metal Hose Company, Inc., Cleveland, Ohio. Filed June 16, 1923. Serial No. 645,806. 5 Claims. (Cl. 285—86.)

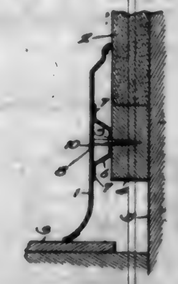


1. A coupling for covered metal hose including two coupling members, one of which is arranged around the hose and is provided with an internal stop shoulder, a contractible gripping member having one end adapted to engage said shoulder and having its other end bevelled, and a contracting ring having a bevelled face adapted to cooperte with the bevelled end of said gripping member, said other coupling member having an inner sealing part adapted to engage the end of said hose and a part surrounding said sealing part and adapted to move said contracting ring toward said gripping member.

1,539,328. STRUCTURAL ELEMENT FOR BUILDINGS. CHARLES H. RICHARDS, Aurora, Ill., assignor of one-half to Richsto Manufacturing Company, Aurora, Ill., a Corporation of Illinois. Filed Mar. 25, 1924. Serial No. 701,718. 1 Claim. (Cl. 189—85.)

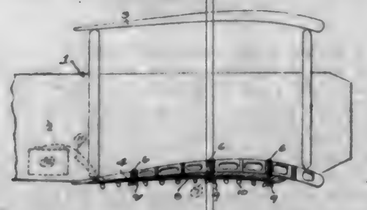
The combination with a building finishing board made of sheet material; of a spacing rib upon the inner side of said board and also made of sheet material formed

substantially into U shape and joined at its longitudinal edges with said board; said board and the base of said



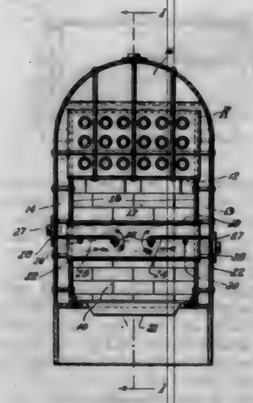
rib being formed with aligned screw receiving holes; and screws passing through said holes and which are free of threaded engagement with said board and rib.

1,539,329. ADVERTISING DEVICE FOR AIRPLANES. HAROLD J. RICKON, San Francisco, Calif. Field Aug. 22, 1923. Serial No. 658,754. 2 Claims. Cl. 40—127.)



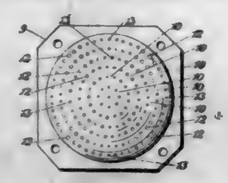
1. In combination, an airplane having wings, the lower surface of the lowermost wing having a depression therein; and means for arranging advertising indicia in said lower wing depression.

1,539,330. BOILER. JAMES A. ROSS, Chicago, Ill. Filed May 19, 1922. Serial No. 562,115. 4 Claims. (Cl. 122—61.)



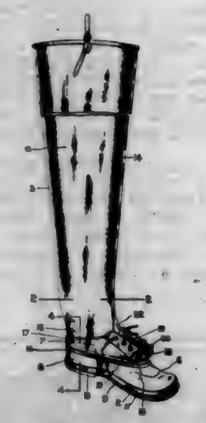
4. In a boiler, the combination with the arch wall thereof, of an arch support comprising a hollow box-shaped structure in communication with the water compartments of the boiler, the side walls of said arch support being reinforced by transverse stay-bolts; oppositely disposed horizontal baffle-plates arranged in said arch support and supported by said stay-bolts and having their adjacent ends curved downwardly to embrace the adjacent stay-bolts, said plates being supported by said stay-bolts in said arch support midway between the top and bottom walls thereof and adapted to direct connecting currents therethrough.

1,539,331. LAWN SPRINKLER. HENRY M. SIEMANN, Fort Lupton, Colo. Filed Mar. 12, 1923. Serial No. 624,537. 7 Claims. (Cl. 299—19.)



1. In a lawn sprinkler, a nozzle having jet-apertures of different sizes, radially arranged in a horizontal curve, two apertures of substantially equal diameter being at the ends of the curve and the other apertures decreasing in diameter progressively from said end apertures to a mediate point between them.

1,539,332. BOOT. PEARL Y. SMILEY, Kitchener, Ontario, Canada. Filed Oct. 5, 1922. Serial No. 592,613. 3 Claims. (Cl. 36—4.)

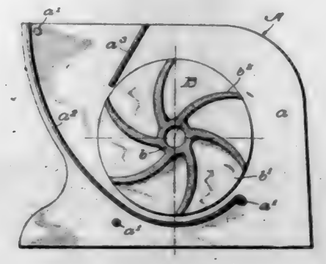


1. A boot of rubberized material comprising a foot portion located entirely below the ankle consisting of a lining, vamp, counter, and sole and an elastic leg portion extending down over the instep and ankle and attached to the foot portion, said leg portion having a restricted opening at the ankle adapted to snugly fit the same without distortion of its cross-section.

1,539,333. FEEDING DEVICE. SIMON SNYDER, Muncy, Pa., assignor to Sprout, Waldron & Co., Muncy, Pa., a Corporation of Pennsylvania. Original application filed June 21, 1923, Serial No. 646,964. Divided and this application filed July 13, 1923. Serial No. 651,340. 3 Claims. (Cl. 83—44.)

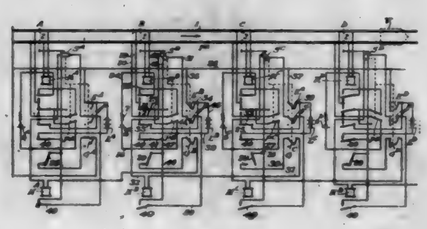
1. In a machine of the character described, a feed drum rotatably mounted in a casing having a feed hopper arranged to deliver material to the drum in front thereof, the front wall of said hopper being extended

in a gentle curve downwardly and rearwardly and thence upwardly to a point at the rear of the drum near the rear wall of the casing and curved to conform to the curvature of the peripheral portion of the drum; an open space being provided between the periphery of the drum and the rear wall of the casing extending from a point considerably above the axis of the drum to the lower end of the casing, said drum being constructed with a hub-like central portion having a series of uniformly spaced pocket-forming blades or vanes projecting from said central portion in curved lines each struck upon substantially the arc of a circle inter-



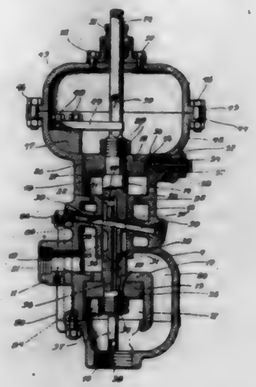
secting said central portion at a point diametrically opposite the point at which another vane is joined thereto and having its concave surface facing the convex surface of the next preceding vane in the series, in the direction of rotation of the drum, whereby the vanes are adapted to operate with a scoop-like action in filling the pockets and to effect a gradual discharge of the contents of the pockets commencing at a point above the horizontal axis of the drum and continuing until the outer edge of the blade or vane forming the bottom of the pocket that is being emptied has passed considerably below said axis, substantially as described.

1,539,334. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LESTER E. SPRAY, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Oct. 7, 1924. Serial No. 742,217. 7 Claims. (Cl. 246—41.)



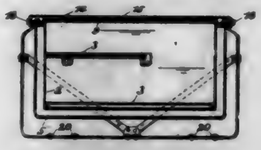
1. In combination, a stretch of railway track comprising a plurality of track sections, a track relay for each section responsive to the polarity of the current supplied to the rails of the section, a signal for each section controlled in part by the associated track relay, and means controlled by each signal for supplying the section next in rear with current of one polarity when the track relay associated with such signal is energized and the signal displays one indication but effective when the relay is de-energized to reverse the polarity of such current irrespective of the indication displayed by such signal.

1,539,335. ATTACHMENT FOR LOCOMOTIVES. CHARLES STERN, Jersey City, and RICHARD W. BRADEN, Newark, N. J., assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed May 4, 1922. Serial No. 558,398. 11 Claims. (Cl. 121—137.)



1. A control device comprising a casing in communication with a lubricant source and the steam supply pipe and valve chest of an engine, a reciprocating valve stem in the casing, a plunger moving with the valve stem and in communication at one side with the pressure in the valve chest, said valve stem having a duct to place the lubricant source in connection with the valve chest and a channel to place the lubricant source in connection with the steam supply pipe, and means whereby the valve stem may be shifted upon reduction of pressure in the valve chest.

1,539,336. REFRIGERATOR. FRANK M. STOLL, Denver, Colo., assignor to The Rocky Mountain Novelty Company, a Corporation of Colorado. Filed Aug. 7, 1923. Serial No. 656,212. 9 Claims. (Cl. 62—91.)

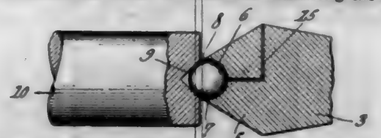


8. A refrigerator of the character described, comprising a feed receptacle having a trough-shaped rim projecting laterally from its walls, a fabric bag spaced from the walls of the receptacle and folded over the outer wall of the rim, a sheath fitted over the portion of the bag engaging with the rim, a lid closing the top of the receptacle on the inside of the rim, a flanged fabric cover fitted over the outer wall of the rim and having a flap fastened inside the sheath at one side of the rim, and means for fastening the sheath and the parts of the bag and the cover within the same, to the rim.

1,539,337. LATHE CENTER. LAMBERT H. VERVOORT, Cleveland, Ohio. Filed July 22, 1920. Serial No. 398,096. Renewed July 2, 1923. 3 Claims. (Cl. 82—33.)

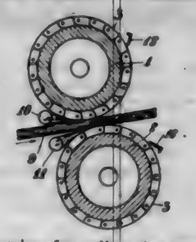
2. A lathe center having a spherical recess in its pointed end, and a ball seated in the recess, the metal of

the center at the marginal edge of the recess being extended beyond the center of recess and embracing the ball



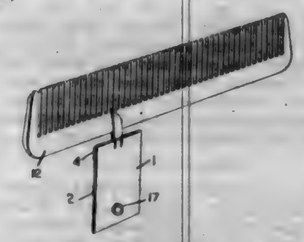
beyond the center thereof to retain the ball in the recess, said ball projecting from the recess at the apex of the center sufficiently to engage the work.

1,539,338. COVERING FOR ROLLERS FOR PRESSING APPARATUS AND THE LIKE. RUDOLF ERNST WAGNER, Karlstad, Sweden, assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden, a Manufacturing Company of Sweden. Filed Feb. 14, 1921. Serial No. 444,819. 10 Claims. (Cl. 92—49.)



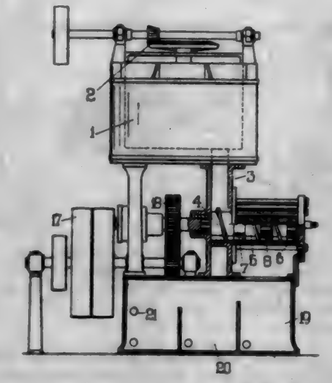
1. A roller covering for rollers for pressing apparatus and the like consisting of a number of unyielding metallic parts which in the peripheral direction at least of the roller have less extension than the length of the periphery of the rollers, each of said parts having its outer surface curved in such manner that when said parts bear against the roller said outer surfaces are concentric with the roller, and each of said parts having slots in its outer surface.

1,539,339. MARKING TICKET. GUSTAF A. WALLIN, Brooklyn, N. Y., assignor to A. Kimball Company, New Yory, N. Y., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 735,321. 2 Claims. (Cl. 40—21.)



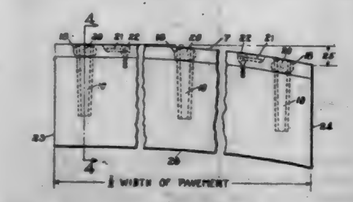
1. A prong fastener marking ticket for attachment to an article, without penetration thereof by the prong and non-removable therefrom without destruction of the ticket comprising two foldable main flaps, one flap having a transverse slot near its free end, a flexible connector secured at one end to and projecting from the free end of the second flap, and a prong fastener adjacent the free end of said secured to the second flap and adapted to engage and secure the free end of the flexible connector between two flaps and to pass through the first flap and to be turned down thereupon, a prong covering flap on the free end of the first flap having an elongated tongue adapted to pass through the slot and extend between the two main flaps, and means for permanently securing together the two main flaps and the interposed tongue.

1,539,340. MACHINE FOR COMPRESSING OR MOLDING PLASTIC SUBSTANCES. ALBERT WILLIAM SIEBE, Heesle, England. Filed Oct. 29, 1924. Serial No. 746,622. 2 Claims. (Cl. 100—48.)



1. A machine for expressing liquor from material comprising a compression chamber having ducts throughout its entire length for the escape of the liquor, a plurality of spaced stationary die plates located within said chamber and engaging the inner surface of said chamber, each of said die plates having a plurality of tapered ports or passages at the periphery thereof, and a worm section associated with each die plate and located between adjacent die plates for forcing the material through the tapered passages in said die plates in succession, whereby the pressure on the material is distributed throughout the length of the compression chamber.

1,539,341. EXPANSION-JOINT FORM. WILLIAM F. WIEBERG, Chaffee, N. Y. Filed Feb. 2, 1923. Serial No. 616,608. 9 Claims. (Cl. 94—51.)



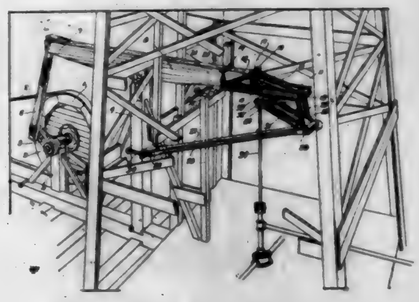
1. An expansion joint form for concrete roads, consisting of two pieces fastened together on diagonal surfaces and adapted to be separated, whereby said form may be removed from said concrete road and leave an expansion joint.

1,539,342. ADSORBENT MATERIAL AND THE MANUFACTURE AND APPLICATION THEREOF. EVAN C. WILLIAMS, Huddersfield, England, assignor to National Benzole Association, London, England. Filed Dec. 8, 1923. Serial No. 679,499. 3 Claims. (Cl. 23—182.)

1. Adsorptive silica gel free from alkali metal salts.

2. The process of producing dry silica gel which comprises mixing silicon chloride with water with such agitation and in such proportions that a gel is obtained on standing and then drying said gel slowly by heating.

1,539,343. STROKE-MULTIPLYING PARALLEL-MOTION DEVICE. EDWARD B. WINTERS, Coffeyville, Kans. Filed May 29, 1924. Serial No. 716,808. 7 Claims. (Cl. 74—5.)



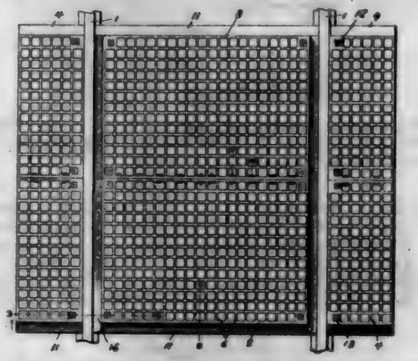
1. In a stroke multiplying parallel motion device, a rocking beam, an elbow lever pivoted to one end of the beam at the angle of the elbow lever and compensating means having one end anchored and the other pivoted to one arm of the elbow lever.

1,539,344. MAST HOIST. ROBERT M. ADAM, Philadelphia, Pa., assignor to John H. McClatchy, Philadelphia, Pa. Filed June 21, 1923. Serial No. 646,751. 11 Claims. (Cl. 187—2.)



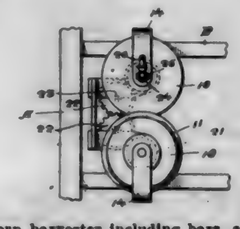
5. An apparatus of the class described comprising a mast, a channel forming a track and having its base abutting and secured to the side of said mast, the side walls of said channel being bent inwardly forming outer guideways with an entrance slot between them, a lifting platform including a floor and an upright connected thereto and extending above and below said floor, a pair of brackets carried by said upright and extending through said entrance slot into the channel, one of said brackets being located above and the other below the level of the floor, rollers carried by said brackets in line with said guideways and adapted to roll either upon said guideways or the base of the channel, a hoisting cable connected to said upright, and means for actuating said cable.

1,539,345. RAILWAY CROSSING. WILLIAM M. BAGG, Hamilton, Ohio. Filed Oct. 4, 1924. Serial No. 741,718. 5 Claims. (Cl. 238—8.)



1. In a railway crossing, a frame having cells open at their upper and lower ends, and plastic material in said cells, said cells provided in the lower portions thereof with means for supporting said plastic material.

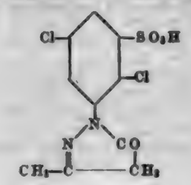
1,539,346. CUTTING MECHANISM FOR CORN HARVESTERS. COURTLAND B. BIRD, Wheeler, Wis. Filed Dec. 22, 1922. Serial No. 608,526. 2 Claims. (Cl. 56—102.)



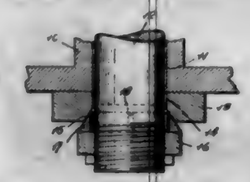
1. In a corn harvester including bars, a cutting mechanism comprising a pair of similar horizontally disposed U-shaped brackets mounted upon the bars and arranged with their open sides toward each other, pivot bolts traversing the U-shaped brackets, disks mounted upon said bolts and having cutting edges arranged in overlapping relation, gears on said bolts below the brackets, rearward extensions at the inner ends of said brackets formed with bearings, gears journaled at said bearings and meshing with each other and with first named gears, and means for driving one of the gears.

1,539,347. AZO DYES OF THE PYRAZOLONE SERIES AND PROCESS OF MAKING SAME. MELCHIOR BOENIGER, Basel, Switzerland, assignor to Society Chemical Works formerly Sandoz, Basel, Switzerland. Filed Feb. 4, 1925. Serial No. 6,896. 2 Claims. (Cl. 260—87.)

1. The hereinbefore described process for the manufacture of yellow azo dyes by combining in an alkaline solution a diazo compound with 1.2'.5'-dichloro-3'-sulfophenyl-3-methyl-5-pyrazolone of the formula



1,539,348. LOCK WASHER. LEO J. BOTSCHELLER, Dalton, Pa. Filed Oct. 27, 1924. Serial No. 746,223. 2 Claims. (Cl. 151—10.)



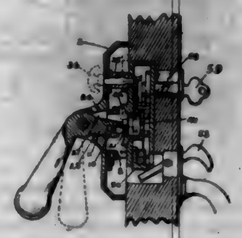
1. A lock washer adapted for embracing association with a bolt, said bolt extending through a counter-sunk bolt hole in an element and carrying a substantially plane faced nut, said washer comprising a resilient split externally beveled annulus having three gripping and locking surfaces, said annulus adapted to extend into the countersink and surround the bolt, a bottom surface thereof for contacting with the plane face of the nut, an external surface thereof for wedging engagement with the countersink, and an internal surface adapted for embracingly engaging the bolt, the upper edge of the washer adapted to be forced uniformly and concentrically toward the bolt hole at the inner end of the countersink, the whole so arranged that the washer centers and locks the bolt in the element, simultaneously locking the nut against retrogression.

1,539,349. GRADING APPARATUS. WILLIAM P. BULLARD, Albany, Ga. Filed Dec. 26, 1924. Serial No. 758,200. 10 Claims. (Cl. 130—32.)



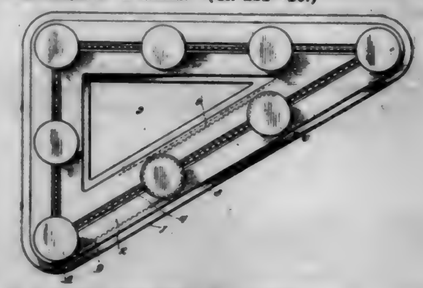
1. In a grading machine, spaced article-carrying members, one of which comprises an endless hollow belt of coiled wire, and means for moving said belt longitudinally.

1,539,350. EMERGENCY LOCK. RALPH S. CLARK, Rochester, N. Y. Filed Jan. 29, 1923. Serial No. 615,593. 12 Claims. (Cl. 292—92.)



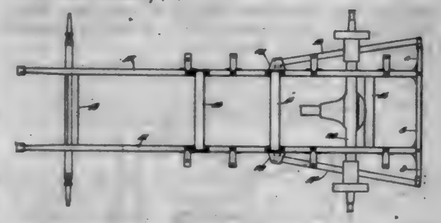
1. In an emergency lock, the combination of a swinging bar, an actuating member actuated by said bar, a locking bolt operated by said actuating member, and means to simultaneously lock said actuating member and said swinging bar in a predetermined position and hold said locking bolt in its unlocked position.

1,539,351. DISPLAY APPARATUS. CHARLES D. DEARDURFF, Newark, Ohio. Filed July 15, 1922. Serial No. 575,190. 1 Claim. (Cl. 211—20.)



In a display apparatus, the combination of a casing having an endless slot in its top, rails secured within the casing at the sides of the said slot, platforms disposed above the casing and having depending hubs extending into the slot and resting slidably upon said rails, shafts depending from said hubs between the rails, gears upon the several shafts, racks secured upon the opposite sides of the casing to be engaged successively by the said gears whereby to rotate the shafts and the platforms alternately in opposite directions, upper and lower guides upon the sides of the casing within the same to receive the said gears, a chain connecting the lower ends of the said several shafts and co-extensive with the slot in the top of the casing, means within the casing for guiding said chain, and means for driving said chain.

1,539,352. SPRING SUSPENSION FOR AUTOMOBILES. STEPHEN I. FERETE and STUART G. BAITS, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed July 26, 1923. Serial No. 653,927. 4 Claims. (Cl. 280—106.5.)



1. In combination, a chassis frame having side members connected at their rear ends by a rear cross member extending laterally beyond said side members to form horns, springs, the rear ends of which are secured respectively to the outer ends of said horns, the front ends of the springs being attached at about the line of the side frame members and a rear axle secured to the springs intermediate their ends.

1,539,353. AZO DYESTUFFS AND PROCESS OF MAKING SAME. HERMANN FREITZSCHE, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed July 12, 1924. Serial No. 725,695. 12 Claims. (Cl. 260—70.)

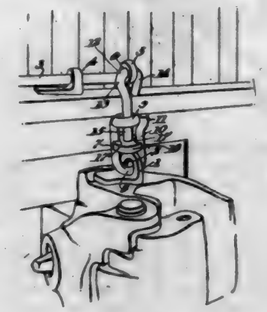
5. As new products the substantive polyazo-dyestuffs of the general formula

$$R_3—N=N—R_1—NH—CO—NH—R_2—N=N—R_4$$

wherein R_1 and R_2 represent aryl-5-pyrazolone radicals in which the —NH-group is attached to the aryl nucleus and the —N=N-group to the pyrazolone nucleus, and wherein R_3 and R_4 signify radicals of azo-dye-

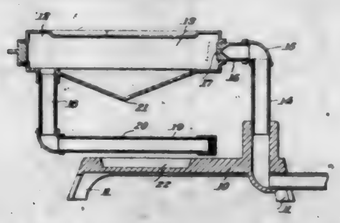
stuffs which contain at least one azochromophor, which dyestuffs form brown-red to brown-black powders which dye unmordanted cotton yellow to brown and red shades which are fast to light.

1,539,354. UNCOUPLING ATTACHMENT FOR CAR COUPLERS. CLEON M. HANNAFORD, Richmond, Va. Filed Jan. 31, 1925. Serial No. 6,013. 2 Claims. (Cl. 213—166.)



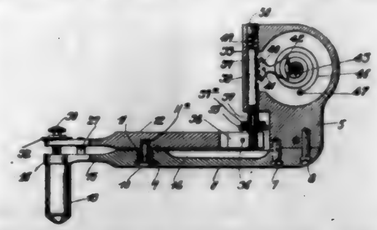
1. An uncoupling mechanism for car couplers, comprising two unlike interengaged and relatively sliding members, one of which is adapted to be attached to an uncoupling arrangement on a car and the other to engage the means to control the operation of a coupler, said last mentioned member having a transversely arranged eye in which the other member has sliding movement and the eyed member having a looped portion the free end of which is offset and adapted to be closed against the eye after said member is connected with the coupler element.

1,539,355. OIL BURNER. HENRY W. HATHORN, Mason City, Iowa. Filed June 8, 1923. Serial No. 644,200. 1 Claim. (Cl. 158—63.)



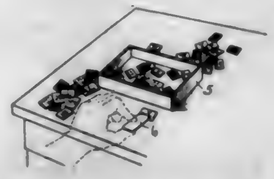
An oil burner comprising a base, a relatively flat hollow generating chamber spaced above the base, a feed pipe connecting the base and generating chamber for supporting the latter, a nipple spacing the feed pipe and generating chamber respectively and having a restricted fuel outlet port within the chamber, a downwardly extending pipe connected at its upper end to the opposite side of the generating chamber and connected at its lower end to a horizontally disposed burner pipe located between the base and generating chamber, said burner pipe having its free end closed and a gas escape port in the top and adjacent the center thereof, an inverted substantially cone-shaped lower wall for the generating chamber, the point of the cone being positioned directly above the escape port of the burner pipe, said lower wall increasing the heating surface and defining a flame spreader, and an oil pan provided in the base beneath the burner pipe.

1,539,356. CALIPER. FREDERICK W. HORSTMANN, Irvington, N. J. Filed Feb. 16, 1923. Serial No. 619,502. 9 Claims. (Cl. 33—148.)



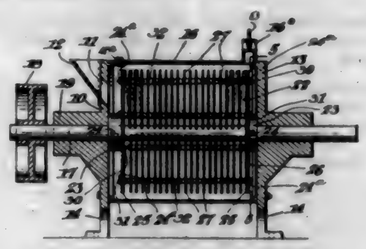
1. An inside indicating caliper comprising a stationary arm having an indicator supporting body and an indicator, a movable arm fulcrumed on the stationary arm to actuate the indicator, means for adjusting said movable arms relatively to said stationary arm thereby setting the indicator to a predetermined position, and work engaging contact means carried by the respective arms for rocking the movable arm to determine the calibration of the work.

1,539,357. BALLOT-BOX GAME. GEORGE HARRISON JOHNSON, Tottenville, N. Y. Filed July 11, 1923. Serial No. 650,962. 2 Claims. (Cl. 273—95.)



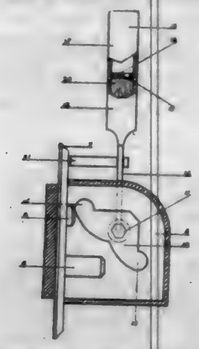
1. A game consisting of a plurality of loose discs, each having but one State designated on each side thereof, a number thereon corresponding to the number of electoral votes of said State as cast by its electors, the slides of said discs also representing the two principal parties.

1,539,358. MACHINE FOR HULLING WHEAT. BENJAMIN PLOWMAN KENT, Outlook, Saskatchewan, Canada. Filed June 27, 1924. Serial No. 722,833. 5 Claims. (Cl. 83—30.)



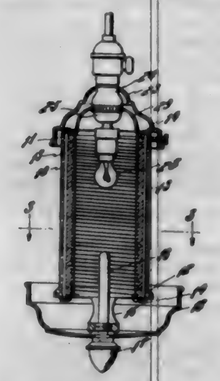
1. A machine for hulling wheat, comprising a suitably supported outer casing, a rotatable shaft journalled through said casing, a driving pulley on said shaft, a hulling drum within the casing and fixedly mounted on said shaft, a plurality of hulling blades on said drum, rubbing plates on the end of said drum and rubbing plates registering therewith on the inner end of the casing, intake and discharge means for the casing, means for adjusting the hulling blades and water intake means in the casing.

1,539,359. SWITCH-ACTUATING DEVICE. WILLIAM STIERS KISINGER and JAMES ASA ENSLEY, Covington, Ky.; said Kisinger assignor to said Ensley. Filed Nov. 10, 1923. Serial No. 673,969. 4 Claims. (Cl. 200—33.)



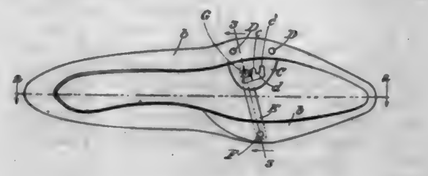
1. The combination with a push button type switch comprising two push buttons, of a pivotally mounted cam provided with a pair of lugs, each lug being arranged to engage one of the push buttons, and means associated with the cam for automatically moving the cam about its pivotal mounting for moving its respective push button said means comprising a container mounted for movement with the cam and having spaced communicating chambers therein, and a fluid for movement between the chambers for actuating the cam.

1,539,360. INSECT DESTROYER. CARL KNUTSSON, Charleston, S. C. Filed June 9, 1924. Serial No. 718,913. 2 Claims. (Cl. 43—112.)



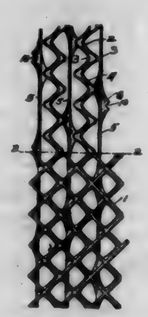
2. An insect destroyer comprising a frame open at both ends, a plurality of electric coils mounted thereon and arranged in parallelism, said coils being used to kill an insect coming in contact therewith when the coils are energized, a cap covering the upper end of said frame and supported thereby, an electric light bulb, suspended from the cap and arranged within the frame, a yoke suspended from the frame, and having a centrally threaded opening, a receptacle arranged beneath the frame and surrounding the latter, and into which the dead insects fall, a bait holder including a rod having a head, said rod being adapted to be passed through the opening in said yoke and through an opening in the bottom of the receptacle, to project within the frame, said rod including a threaded portion adapted to be threaded into said opening in the yoke, whereby the receptacle is clamped between the yoke and the head of said rod to hold the parts associated.

1,539,361. SHOE FORM. ALFRED G. LAGGE, Brockton, Mass. Filed Feb. 19, 1923. Serial No. 619,856. 5 Claims. (Cl. 12—128.5.)



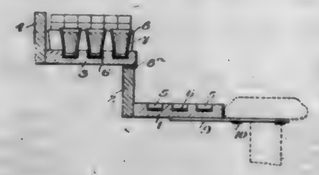
1. A shoe form having on one side a notched member and on the other side a movable strut extending transversely of the form and engaging the notched member, the notches in the member being of different depths.

1,539,362. RADIATOR. GEORGE H. LOBER, Toledo, Ohio. Filed Aug. 25, 1922. Serial No. 584,175. 2 Claims. (Cl. 257—130.)



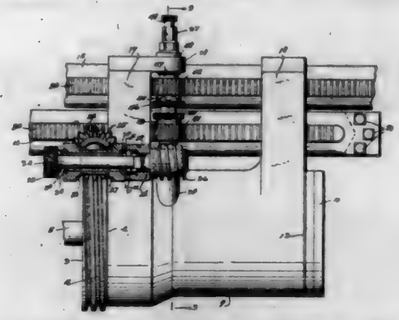
1. In a radiator for internal combustion engines, water passageways formed of a plurality of pairs of angularly corrugated strips, the apices being located in horizontal planes, the portions between the apices of the angles of the strips being bellied arcuately inward with respect to the passageway and expansible outward on freezing the water in the passageway of the radiator.

1,539,363. COMMUNION TABLE. WALTER P. MADDOCK, Rochester, N. Y. Filed Oct. 22, 1923. Serial No. 669,995. 1 Claim. (Cl. 65—53.)



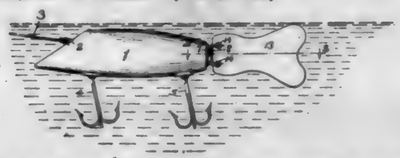
A portable communion table including a glass holding section comprising base and rear walls with glass holding pockets in its base, a second glass holding section hinged to said rear wall and comprising base and rear walls with glass holding pockets in the last mentioned base, the second glass holding section when open occupying a position at the top of the first mentioned rear wall and extending rearwardly from the first mentioned glass holding section and when closed occupying an inverted position over the first named glass holding section with its rear wall at the front of the latter, thereby forming a closed cabinet for the glasses.

1,539,364. TURNING MACHINE. CLAUDE EDWARD MARSH, Atlanta, Ga. Filed Feb. 7, 1924. Serial No. 691,237. 8 Claims. (Cl. 82—4.)



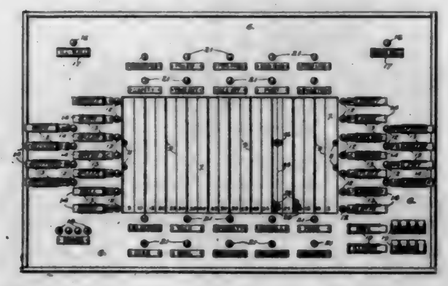
1. A machine of the character described comprising a work engaging member, a body rotatable upon said work engaging member, a tool carrier slidable longitudinally of said body, a rotatable shaft carried by said body, a rack carried by said tool carrier, a gear rotatable about said shaft and meshing with said rack, clutch means for locking said gear to said shaft and movable into and out of an operative position, and means carried by said body for imparting rotary movement to said shaft and receiving rotary movement from said work engaging member as said body rotates about the work engaging member.

1,539,365. ARTIFICIAL FISH LURE. HAROLD S. MASONER, Detroit, Mich. Filed Mar. 8, 1921. Serial No. 450,776. 2 Claims. (Cl. 43—46.)



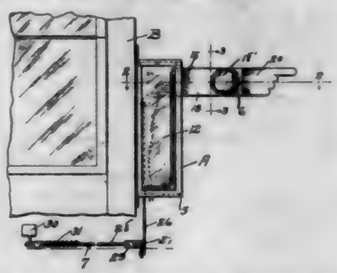
1. In an artificial fish lure, the combination of a body, a tail of rather stiff flexible material, and a hinge securing the tail in position, one of the members of said hinge embodying a pair of buttons and the tail having eyelets to receive the buttons.

1,539,366. GAME-REPRODUCING MECHANISM. ROBERT R. O'BRIEN, Council Bluffs, Iowa. Filed Nov. 24, 1923. Serial No. 676,829. 9 Claims. (Cl. 116—120.)



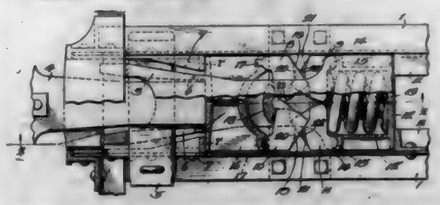
3. In a game reproducing mechanism, a field-board, horizontal guide-bars extending across the rear side of said field-board, a ball-supporting and controlling mechanism mounted upon said guide-bars and slidable bodily longitudinally thereof from end to end of the field-board, said mechanism having portions extending about the upper and lower edges and across the front of the field-board, a ball carried upon said front portions, and means carried upon the rear portion of said supporting and controlling mechanism and connected with said ball for moving the same vertically across the front of the field-board from one side to the other thereof, whereby through the combination of said vertical movements and of the horisontal movements of the supporting mechanism as a whole the ball may be moved in any direction across the front of the field-board from and to any points thereon.

1,539,367. AUTO DIRECTION SIGNAL. HENRY H. OWENS, Madison, Ind. Filed Dec. 7, 1923. Serial No. 679,181. 1 Claim. (Cl. 116—54.)



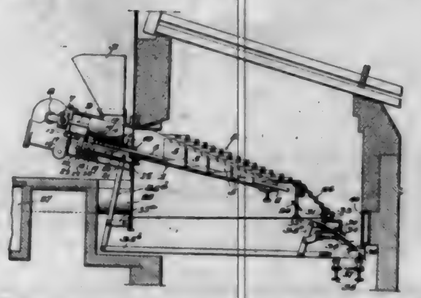
A direction signal including an upright elongated casing open at its outer side, a vertically swinging signal arm normally disposed within and having a body substantially conforming to said casing, a shaft horisontally arranged in the upper part of the casing and having its ends supported by the front and rear walls of the latter, a plate rigid and co-extensive with the normally inner-wall of the signal arm body and normally projecting upwardly from the normally upper end of the latter, said plate being engaged with said shaft to permit outward and upward swinging of the signal arm to an exposed horizontal position, and an operation lug rigid with and normally projecting inwardly and upwardly from said plate and the shaft, whereby a downward pull on said lug will affect the outward and upward swinging of said signal arm, said signal arm embodying a pointer member rigid with and normally projecting downwardly from the normally lower end of the signal arm body.

1,539,368. DRAFT GEAR. HERMAN C. PRIEBE, Blue Island, Ill. Filed July 31, 1924. Serial No. 729,240. 7 Claims. (Cl. 213—27.)



1. In a draft gear, the combination with a draft sill structure; of two draft elements that are movable longitudinally and which are in lost motion relation permitting their relative longitudinal movement; an abutment structure moved by one of said draft elements and including two abutments spaced apart longitudinally of the gear; a follower movable by the other of said draft element and with respect to said abutment structure; motion limiting stops upon the draft sill structure respectively individual to said abutment structure and follower to limit the relative movements of the abutment structure and follower; and motion resisting mechanism including two coacting rockers respectively individual to and horizontally turning upon said abutments, one rocker also horizontally turning upon the follower, said rockers having interleaving formations.

1,539,369. UNDERFEED STOKER. MAURICE RATEL, New York, N. Y. Filed Aug. 29, 1921. Serial No. 496,509. 49 Claims. (Cl. 110—44.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

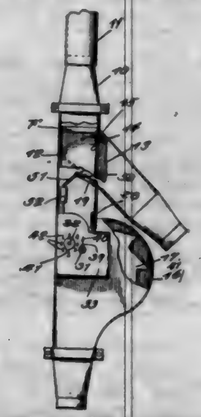


1. In an automatic stoker, a series of alternating stationary twyers and fuel retorts or troughs, a main fuel feeding member for each retort, and a set of compound pushers disposed side by side in each retort and operatively connected with the main fuel feeding member, said compound pushers each comprising a plurality of secondary fuel feeding members.

7. In an automatic stoker, a main fuel feeding member, a secondary fuel feeding member, and driving connections between said fuel feeding members including means automatically making and breaking connection therebetween intermediate the limits of motion of the secondary fuel feeding member.

34. In an automatic stoker, a fuel retort or trough, a fuel feeding member in said retort, means for imparting translatory movement of the fuel feeding member, and means for moving said member vertically during its translatory movement.

1,539,370. CUT-OUT FOR CISTERN WATER PIPES. PETER RAUCH, Beloit, Kans., assignor of one-half to Jacob J. Kindscher, Beloit, Kans. Filed Oct. 10, 1923. Serial No. 667,747. 3 Claims. (Cl. 137—9.)



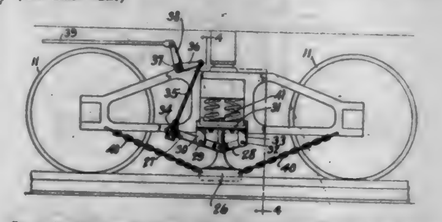
1. In a cistern system, a fitting receiving water from a source of supply and having branches communicating with a sewer and with the cistern, a valve controlling the passage of water through the fitting to the sewer to direct the same to the sewer or cistern and normally positioned to direct the water to the sewer, a water-wheel in the sewer branch, means operated by the water-wheel for shifting the valve to close the sewer branch and open the cistern branch adjustable to determine the amount of water passing through the sewer branch including an operating arm for the valve, a trip associated with the arm and in one position thereof holding the valve through said arm in position closing the cistern branch, a rotatable member for shifting the trip out of said position, means yieldably resisting rotation of the rotatable member, a driving member for the rotatable member intermittently engaging the same, and a driving connection between the driving member and water-wheel including a part shiftable to disconnect the driving member and water-wheel while itself remaining connected to the driving member to drive the same, said part being manually operable.

1,539,371. SEGMENTAL CLAMPING BODY. JOSIAH SCOTT and ALFRED A. BENNETT, Toledo, Ohio. Filed June 4, 1923. Serial No. 643,822. 2 Claims. (Cl. 126—317.)



1. In a segmental pipe collar, a pair of spring wires, each spring wire having a circular part surrounding in hook form more than one-half of the pipe and having an end portion extending parallel to the axis of the pipe, the collar segments having openings so located as to receive the portion of the spring extending parallel to the axis of the pipe when the springs are deformed to cause the springs to elastically draw the parts of the collar toward the pipe.

1,539,372. BRAKE. THOMAS SIMPSON, Beaumont, Tex. Filed Dec. 4, 1920. Serial No. 428,341. 1 Claim. (Cl. 188—41.)

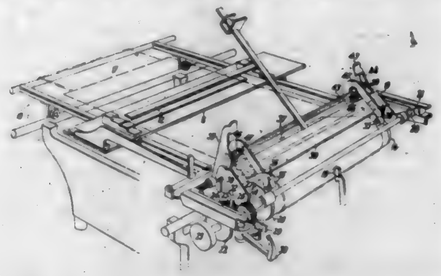


In a brake mechanism, the combination with the truck of a railway car, a vertically movable rail engaging shoes supported upon the truck, a pair of levers pivoted intermediate their ends and each having operative connection with a shoe, a beam extending transversely across the truck and connected rigidly with the levers, a manually operable rock shaft, crank arms arranged on the rock shaft and fixed to rock therewith, and operative connections between the beam and the crank arms, the beam normally serving to hold the shoe above the rail.

1,539,373. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Original application filed Nov. 18, 1918, Serial No. 262,939. Divided and this application filed May 1, 1922. Serial No. 557,630. 8 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination with a platen and a platen-frame which is displaceable on the

carriage to release the work-piece, of means to clamp an additional work-sheet on the platen, a work-support or paper-shelf forming a part of the platen-frame at the delivery side of the platen, and spring-controlled roll-

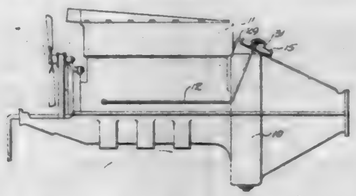


carrying arms mounted on the back of said paper-shelf for adjustment longitudinally of the platen and swingable away from the platen, said arms extending over the top of the paper-shelf and downwardly thereover to the platen to engage the latter.

1,539,374. MANUFACTURE OF DRILLS AND SIMILAR TOOLS. ROBERT LOW SMITH, Erith, England, assignor to Vickers Limited, Westminster, England. Filed July 3, 1924. Serial No. 724,036. 6 Claims. (Cl. 76—108.)

1. A method of forming two drills from a steel bar of double drill length, which consists in hardening and tempering the same, cleaning up the outside diameter, thereafter severing the bar at the middle, pointing the severed ends, and forming the usual cutting edges.

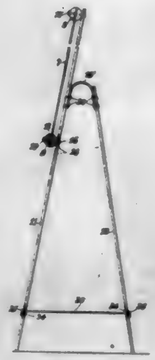
1,539,375. OILER FOR AUTOMOBILES. LOUIS A. STANLEY, Hillsboro, Ohio. Filed June 9, 1924. Serial No. 718,682. 10 Claims. (Cl. 123—196.)



1. In combination with an internal combustion engine having a fly-wheel running in an oil sump, a scoop positioned to receive oil thrown off said fly-wheel by centrifugal force, a collecting chamber for the oil from said scoop having an air dome and an air bleeder passage therefrom, an oil delivery pipe, and a control valve therefor adapted to meter the oil in inverse proportion to the engine intake manifold depression.

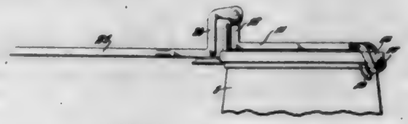
1,539,376. POSTER. WILLIAM J. SWEENEY, East Orange, N. J. Filed Dec. 26, 1924. Serial No. 758,157. 3 Claims. (Cl. 40—125.)

1. In combination, a flexible poster having edge strips at top and bottom of the same, the upper edge strip being perforated near the ends for passage of fastenings, light supporting strips at the back of the poster perforated at their upper ends, readily releasable fastenings detachably engaged in the perforations in said supporting strips and the upper edge strip, whereby the supports are detachably secured to the upper edge of the poster, said supporting strips being sufficiently longer than the poster to support said poster with the lower edge strip clear of the floor or other support, fastenings detachably holding said lower edge strip to the lower por-



tions of the supporting strips and a prop for the supports having a swinging mounting and provided with means for pressing the same in extended relation.

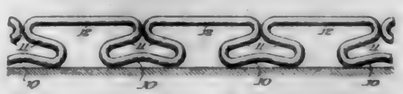
1,539,377. BARREL-CLOSING PROCESS AND MECHANISM. EDWARD C. WALKER and FREDERICK J. BRINKER, St. Louis, Mo., assignors to National Lead Company, New York, N. Y., a Corporation of New York. Filed May 18, 1923. Serial No. 639,876. 9 Claims. (Cl. 113—22.)



1. In the art of closing barrels, the process comprising placing the head on the barrel end, slipping a closed flanged ring over the barrel end and on the head thereon, and simultaneously rolling the ring flange inwardly against the barrel while the top of the ring is being rolled downwardly against the head.

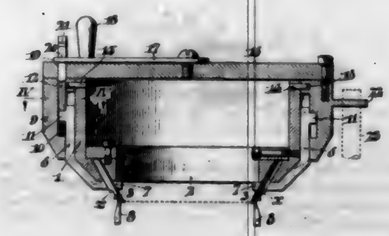
2. A barrel closing hand tool comprising a roll adapted to run on the barrel rim to press endwise thereagainst a roll adapted to run against the side of the barrel, and means for pressing said rolls together.

1,539,378. BAR SPACER. WILLIAM E. WHITE, Chicago, Ill. Filed Nov. 7, 1923. Serial No. 673,275 2 Claims. (Cl. 72—122.)



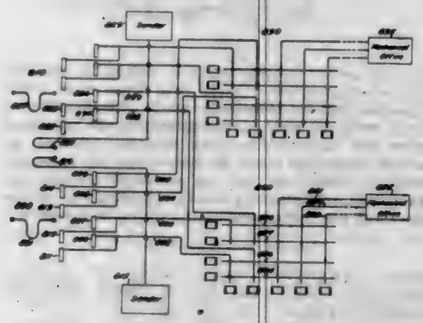
1. A spacer consisting of a length of stiff wire having substantially closed loops therein, said loops being separated by straight aligned intervening portions, said loops being alternately angularly disposed to occupy planes which intersect at the center line of said intervening portions the ends of adjacent intervening portions being in contacting relation.

1,539,379. TRANSFERRING DEVICE FOR KNITTED WEBS. LOUIS N. D. WILLIAMS, Ogontz, Pa. Filed Dec. 14, 1922. Serial No. 606,790. 4 Claims. (Cl. 66—82.)



1. In a web transferring device, the combination of a series of stitch quills adapted to be engaged simultaneously with all the needles of a knitting machine, stitch strippers individually associated with the quills, and means for actuating the strippers to successively transfer the stitches between the quills and the needles.

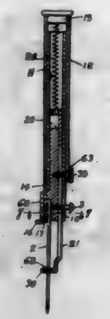
1,539,380. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 5, 1922. Serial No. 604,975. 9 Claims. (Cl. 179—27.)



1. The combination with an operator's position, of a number of conversational circuits terminating in said position, means under the control of the operator for making connection with said circuits, a group of trunks, a switch responsive to the act of the operator in making connection with one of said circuits for connecting such circuit to one of said trunks, a selective switch for further extending said trunk, a register sender comprising a plurality of registers for storing designations, means responsive to the act of the operator in making connection with one of said circuits for connecting the register sender to such circuit, and means controlled by the sender for governing the operation of said selective switch.

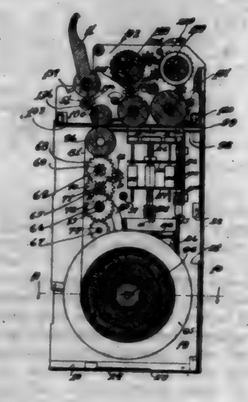
1,539,381. EMBROIDERING DEVICE. MICHAEL S. BASSISTY, New York, N. Y. Filed Oct. 11, 1920. Serial No. 416,269. Renewed Apr. 14, 1925. 3 Claims. (Cl. 112—80.)

1. An embroidering device comprising a bar, a needle and a presser-foot fixed to said bar, a sleeve slidable on said bar, and co-operating thread-gripping elements on said sleeve and bar adapted to grip the thread when the sleeve is moved upwardly on the bar, the thread gripping element on the sleeve comprising a tongue projected downwardly from one side thereof and having



a lip formed on its lower end adapted to engage the bottom of the said bar, said tongue having a thread re-receiving aperture in its lower end.

1,539,382. TRANSFER-ISSUING MACHINE. ERNEST H. THOMPSON and HUGO J. BAUR, Chicago, Ill., assignors to Johnson Fare Box Company, Chicago, Ill., a Corporation of New York. Filed Jan. 3, 1920, Serial No. 349,323. Renewed Nov. 7, 1924. 36 Claims. (Cl. 101—70.)

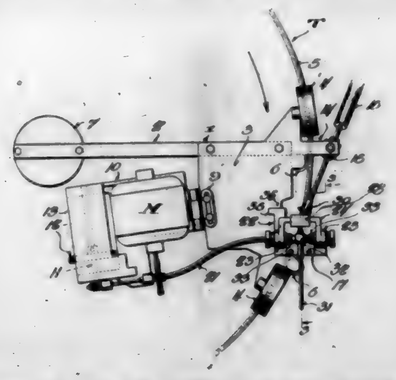


1. A transfer-issuing machine comprising means for feeding a continuous strip of material therethrough, impression devices to impress characters on a portion of said strip, and a plurality of levers operatable to vary the position of the impression devices and each lever serving to set the machine in operation for impression and discharge of a certain portion of the strip.

1,539,383. WELDING MACHINE. EDGAR A. BIENENSTOK, Milwaukee, Wis., assignor to Milwaukee Tank Works, Milwaukee, Wis. Filed May 17, 1924. Serial No. 714,012. 6 Claims. (Cl. 113—59.)

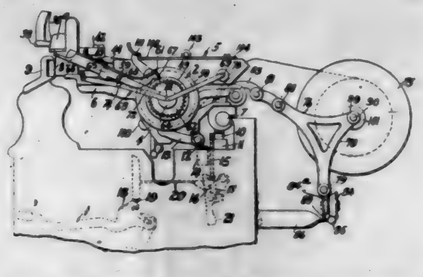
1. A seam welding machine comprising a frame adapted to be mounted on an article to be welded, a

torch carried by said frame, means for laterally guiding the frame on the article, and means for propelling said



frame and urging the guiding means into lateral engagement with said article.

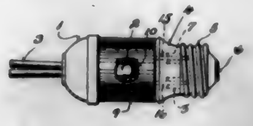
1,539,384. TYPEWRITING MACHINE. THOMAS J. COO, Toronto, Ontario, Canada, assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 18, 1920. Serial No. 404,287. 15 Claims. (Cl. 197—129.)



1. The combination with a typewriter carriage in which is mounted a divided platen, comprising an axle, a platen-section attached thereto, and a second platen-section rotatable about said axle, of two ratchet-wheels connected with said axle, one at each end, two ratchet-wheels connected with the second platen-section at one end thereof, and means for actuating said platen-sections, including a carriage-returning line-space lever for one ratchet-wheel of each platen-section swingable longitudinally of said axle, an actuating lever for the other ratchet-wheel of each platen-section swingable around said axle, and a finger-wheel connected to each platen-section for turning it in either direction, said carriage-returning levers spaced apart from each other and both of them spaced apart from said ratchet-wheel-actuating levers, to be freely operable independently of the latter, and each ratchet-wheel-actuating lever to be freely operable independently of said carriage-returning levers.

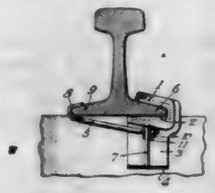
1,539,385. BATTERY PLUG. WILLIAM H. ELLIS, Two Rivers, Wis.; Ruby K. Ellis administratrix of said William H. Ellis, deceased. Filed Mar. 23, 1923. Serial No. 627,020. 1 Claim. (Cl. 200—115.5.)

A fused electric plug comprising an insulating member having conductor receiving terminals and projecting contacts connected thereto, an auxiliary plug having sockets for receiving said projecting contacts and having projecting contacts connected thereto and having a fuse interposed between one of the sockets and the corresponding projecting contact, and a screw plug having



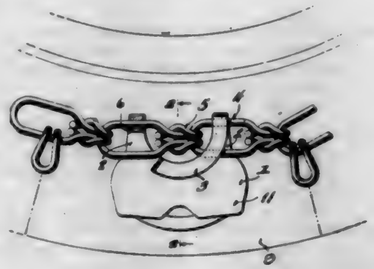
sockets for the reception of the last mentioned projecting contacts and having a threaded metallic shell and a central contact electrically connected with said last mentioned sockets.

1,539,386. RAIL ANCHOR. MICHAEL W. FRENEY, Rochester, N. Y., assignor to Anchor Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1921. Serial No. 453,693. 6 Claims. (Cl. 238—321.)



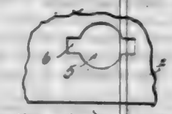
4. A rail anchor comprising a pair of jaws for engaging and increasingly gripping a rail base flange when tilted, a depending leg for abutting a tie to tilt the jaws as the rail tends to creep, a strengthening web extending between the leg and the jaws, and an attacher arranged to engage the other rail base flange and extending transversely under the rail at an angle thereto and engaging the strengthening web for holding the anchor in place and positively insuring the tilting of the jaws.

1,539,387. TRACTION LUG. FRANK M. FICHTEN, Davenport, Iowa. Filed Oct. 9, 1923. Serial No. 667,469. 3 Claims. (Cl. 152—14.)



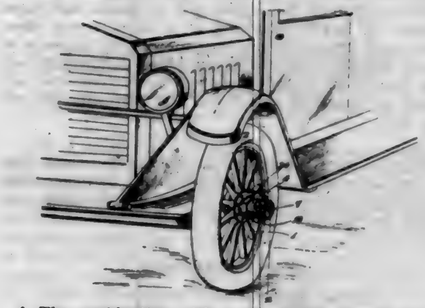
1. A traction lug adapted to be permanently applied to anti-skid chains for automobile tires comprising a body portion, a pair of arms projecting from said body portion, a member joining said arms and folded over said chains, means projecting inwardly from said body portion and adapted to lie against the outer face of said tire, and a flared member projecting outwardly from said body portion and angularly arranged with reference to said first mentioned member.

1,539,388. BINDER POST FOR LOOSE-LEAF BINDERS. CHARLES FRANZ, Jr., Milwaukee, Wis. Filed Feb. 1, 1924. Serial No. 689,923. 2 Claims. (Cl. 129—21.)



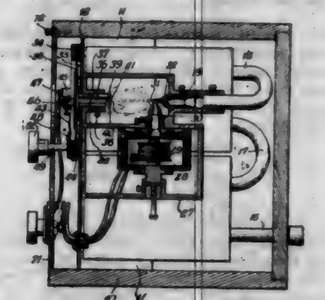
1. The combination of an apertured strip having notches communicating with said aperture, and a tubular post positioned within said aperture and having an integrally formed folded flange intermediate its ends, and in contact with one side of said binder strip and having an outwardly extending flange positioned upon the opposite side of said binder strip, one of said flanges being pressed axially of said post into said notches.

1,539,389. GUIDE LIGHT FOR AUTOMOBILES. WILLIAM F. GAFFNEY and JOHN V. WEIR, Albany, N. Y. Filed Oct. 17, 1923. Serial No. 669,109. 13 Claims. (Cl. 240—7.)



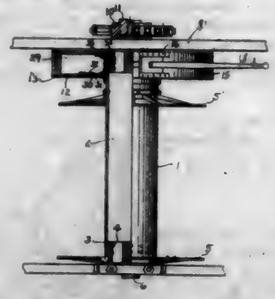
4. The combination with a vehicle front wheel and a fixed part of its turning spindle mounting, of a source of electrical illumination upon the wheel and rotating therewith and positioned to direct its light rays onto the wheel to illuminate the same, and coacting electrical contact means upon the wheel and the said fixed part for maintaining electrical communication between the source of illumination and a source of current supply.

1,539,390. METHOD OF AND MEANS FOR TRANSLATING SOUNDS. RAY E. HALL, Rock Island, Ill., assignor to Hall Research Corporation, Chicago, Ill., a Corporation of Delaware. Filed May 8, 1922. Serial No. 559,170. 24 Claims. (Cl. 178—70.)



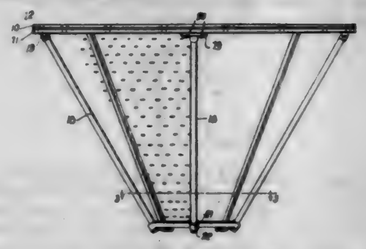
24. The combination of means for producing a jet including a nozzle, means for impressing sound waves on said jet adjacent to the nozzle, a movable medium spaced from said nozzle, and means between said movable medium and said nozzle providing aligned passages of different diameters for said jet.

1,539,391. HOISTING DRUM. JOHN H. HERMAN, Los Angeles, Calif. Original application filed June 18, 1921, Serial No. 477,292. Divided and this application filed May 1, 1922. Serial No. 557,741. 4 Claims. (Cl. 188—264.)



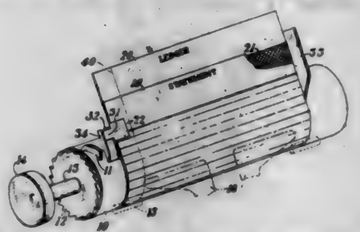
3. In a hoisting drum, a hollow brake drum, a fluid chamber inside said drum, said chamber having a steam outlet and an automatically closing inlet port therein adjacent the center thereof, a brake band on said drum and means to regulate said brake band on said drum.

1,539,392. FINISHING MACHINE. AUGUST HOLMQUIST and WILLIAM A. BJORKLUND, Hoopeston, Ill., assignors to Sprague-Sells Corporation, Hoopeston, Ill., a Corporation of Delaware. Original application filed Feb. 14, 1924, Serial No. 692,716. Divided and this application filed Oct. 3, 1924. Serial No. 741,836. 10 Claims. (Cl. 146—1.)



1. A perforated screen for a finishing machine comprising a plurality of sections joined along their adjacent edges by an interlocking fold, and provided with means for securing and embracing said fold.

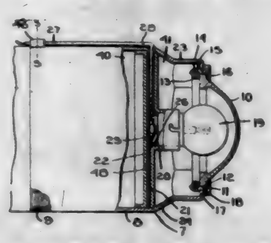
1,539,393. COLLATING DEVICE. ARTHUR A. JOHNSON, New York, N. Y., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Aug. 15, 1918. Serial No. 250,089. 7 Claims. (Cl. 282—29.)



1. A collating binder for work-sheets comprising a plurality of leaves certain of said leaves confined between others thereof, all of said leaves secured together at one side, holding means associated with each of said leaves to hold in collated position work-sheets inserted between the free portions of said leaves, and a tab on
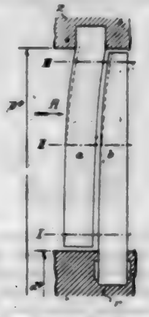
said binder and projecting outwardly from the side edges of said work-sheets to facilitate the handling and positioning of the latter while held by the collating binder, said tab being perforated so as to fit over an aligning pin and to be positioned and held by the latter.

1,539,394. ILLUMINATED HUB CAP. CHARLES E. LEEMAN, Boston, Mass., assignor to William F. Gaffney and John V. Weis, both of Albany, N. Y. Filed Oct. 24, 1923. Serial No. 670,608. 5 Claims. (Cl. 240—7.)



1. In an automobile, the combination with a front wheel, of a hub cap therefor having an end of light-transmitting material, a bulb within the hub cap, a contact ring secured to the wheel, a wire connection between said contact ring and the bulb and a brush carried by the frame of the automobile and engaging said contact ring.

1,539,395. BLADING OF FLUID-PRESSURE TURBINES. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed May 16, 1924. Serial No. 713,842. 15 Claims. (Cl. 253—77.)



1. A blade for an elastic fluid turbine having an entrance edge partly rounded and partly sharp.

1,539,396. ELASTIC-FLUID TURBINE. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 26, 1924. Serial No. 734,355. 8 Claims. (Cl. 253—77.)



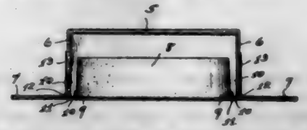
1. A steam turbine in which the low pressure or wet zone stationary blades are formed with smaller exit angles towards the outer circumference of the turbine and in which the entrance edges of the rotating blades which function with the aforesaid stationary blades are provided with varying entrance angles from their innermost ends to their outermost ends.

1,539,397. DEVICE FOR TEACHING ENGLISH. CHESTER H. MATRAVERS, Manitowoc, Wis. Filed June 15, 1923. Serial No. 645,679. 1 Claim. (Cl. 35—9.)



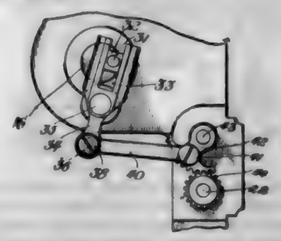
A device of the class described having two parts connected together, certain incomplete subject matter carried by one part and matter rendering the same complete carried by the other part, openings in the first part where the matter is incomplete and through which the matter carried by the second part is visible, said parts adapted to receive therebetween a blank record sheet upon which insertions are made through the openings to render the matter carried by the first part complete, and said sheet adapted to be removed there from and corrected by the association of the first part with the second part.

1,539,398. HAT. HERBERT L. MOSES, Baltimore, Md., assignor to M. S. Levy and Sons, Inc., Baltimore, Md., a Corporation of Maryland. Filed Apr. 20, 1923. Serial No. 633,394. 1 Claim. (Cl. 2—182.)



A hat having a crown and a brim extending laterally from the crown and forming an exterior bend around the hat at the junction of the brim with the crown, a sweat-band in the crown and of a size to provide an annular space between itself and the crown and sewing stitches passing directly through the lower edge of the sweat-band itself and extending across the said space between said sweat-band's lower edge and the crown-wall said sewing stitches also passing through the bend between the crown-wall and brim and holding the said sweat-band by its lower edge in a floating condition within the hat-crown.

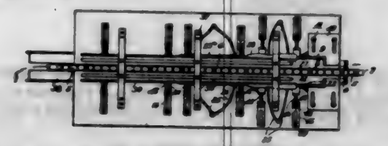
1,539,399. LOOPER-DRIVING MECHANISM FOR SEWING MACHINES. CHARLES W. MUELLER, St. Louis, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Apr. 30, 1923. Serial No. 635,459. 3 Claims. (Cl. 112—176.)



2. In a sewing machine, the combination with a frame, a main shaft mounted therein, accessible at the front of said frame, a looper mounted at the front of said frame

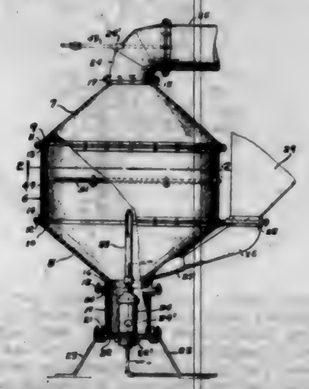
and having operative front connections with the main shaft for imparting two components of movement to said looper, a rock shaft connected with said looper for imparting four additional components of movement thereto, and connections between said rock shaft and said main shaft comprising a cross shaft extending through the frame, gearing connecting said main shaft and cross shaft, a crank on the rear end of said cross shaft, a slide block thereon, a lever pivoted to the rear side of the frame and having a slideway engaged by said block, a pinion carried by the rock shaft on the rear side of the frame, a gear segment of small diameter mounted on the frame above the pinion, and a generally horizontal link connection between said gear segment and the said lever.

1,539,400. WRAPPING AND SEALING MACHINE. CHARLES W. NEUSHAUM, Rochester, N. Y., assignor to Beechnut Packing Company, Canajoharie, N. Y., a Corporation of New York. Filed Mar. 27, 1922. Serial No. 547,157. 9 Claims. (Cl. 93—2.)



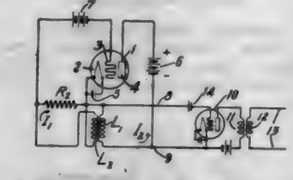
1. In a wrapping and sealing machine, the combination with a table, a runway thereon and a conveyor traversing the runway at a uniform rate, of a fixed package receiving pocket at one end of the runway adapted to fold upwardly the lower end flap of a partially wrapped package when placed therein, means at the side of the runway for folding down the other flap as the package travels on the conveyor and means for heating the folded flaps to seal them upon the package.

1,539,401. PULVERIZING MACHINE. JACOB NEUBURGER, Chicago, Ill. Filed Feb. 21, 1925. Serial No. 10,744. 6 Claims. (Cl. 83—46.)



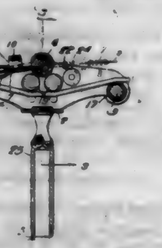
1. The method of pulverizing and conveying materials which includes entraining and projecting particles of such materials by a high velocity non-tortuous stream of fluid against the center of a surface substantially transverse to the direction of flow to break up the particles by impact upon said surface, producing a moving curtain of air at and substantially parallel to said surface for causing the particles thus formed to pass across the surface of the edges thereof, and simultaneously producing an accelerated stream of fluid past the edges of said surface and transversely thereof for positively extracting the smaller particles from the first mentioned stream.

1,539,402. MEANS FOR PRODUCING ELECTRICAL OSCILLATIONS. HAROLD W. NICHOLS, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 24, 1919. Serial No. 278,573. 8 Claims. (Cl. 250—36.)



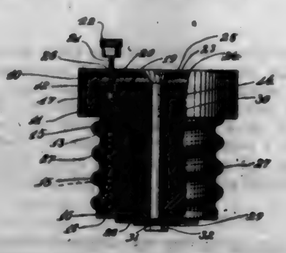
1. An oscillation generator comprising a work circuit, an amplifier having input and output circuits, and a network of negligible capacity electrically associating said circuits to connect the output circuits in aiding relation to the input circuit, said network and circuits determining the frequency of the generated oscillations substantially solely by virtue of the resistance and inductance thereof.

1,539,403. RAZOR-BLADE STROPPER. WINFIELD S. NICHOLS, Rockford, Ill. Filed Oct. 6, 1921. Serial No. 505,706. 4 Claims. (Cl. 51—153.)



1. A blade-stropping machine comprising a frame with a swinging blade-holder fulcrumed thereon, a cylindrical member operatively connected with the blade-holder, a strop guided in the frame and a pair of friction rollers positioned for simultaneous frictional engagement with the cylindrical member and the strop for transmitting rotation to the former to swing the blade-holder on its fulcrum as the frame is reciprocated on the strop.

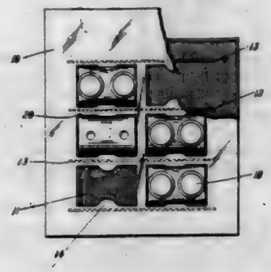
1,539,404. MULTIPLE FUSE. HENNING NOTEDURFT, Richmond Hill, N. Y. Filed May 2, 1924. Serial No. 710,598. 5 Claims. (Cl. 200—125.)



1. A multiple fuse comprising a dielectric body, dielectric fuse receiving means arranged within said body, a plurality of fusible elements associated with said fuse receiving means for electrically uniting one end of all elements, a conductive member disposed above said fuse receiving means and provided with means for facilitating making individual connection with the other ends of

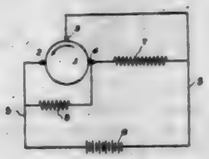
said elements, and means disposed above said conductive member and adapted to be broken before contact is made between said conductive member and said other ends of an element, and serving for indicating which of said elements has been used.

1,539,405. DISPLAY DEVICE. WILLARD A. ORMSBEE, Taunton, Mass., assignor to Taunton Pearl Works, Inc., Taunton, Mass., a Corporation of Maine. Filed Feb. 18, 1924. Serial No. 693,433. 9 Claims. (Cl. 211—34.)



1. A display card comprising a supporting sheet having a pair of spaced tongues projecting towards each other and an article carrying card having spaced parallel slots along opposite edges thereof and adapted to receive the tongues of the supporting sheet, the distance between said slots being such, relative to the distance between the bases of the tongues, that the cards are held in arched position.

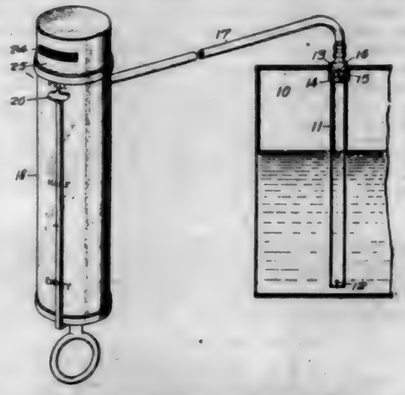
1,539,406. GENERATOR. LAURENCE M. PERKINS, Syracuse, N. Y., assignor of one-half to Owen Dyneto Corporation, Syracuse, N. Y., a Corporation of New York. Original application filed Jan. 3, 1921, Serial No. 434,528. Divided and this application filed Apr. 16, 1924. Serial No. 707,013. 4 Claims. (Cl. 171—223.)



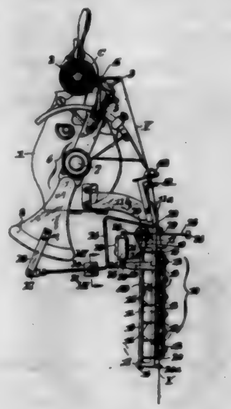
1. The combination with a variable speed generator in which the main circuit is connected to two brushes, one of which is substantially on neutral and the other of which is off neutral at a point of relatively low field density, of a third brush substantially on the other neutral point, a field connected between the brush which is off neutral and said third brush, and a second field winding connected across the two brushes on the neutral points.

1,539,407. LIQUID-LEVEL INDICATOR. WILBUR M. PHELPS, Staunton, Va. Filed Apr. 21, 1922. Serial No. 555,847. 6 Claims. (Cl. 73—54.)

1. A liquid level indicator comprising a chamber adapted to communicate at its lower end with a liquid surrounding said end at the full depth to be measured, a suction device in communication with the upper end of such chamber and having a movable member that when actuated causes the ascent of liquid in such chamber, means to prevent the ascent of liquid in such chamber above a predetermined level, and means operatively associated with the suction device that shows the extent of movement of the moving member thereof required to produce the ascent of the liquid to the predetermined level.



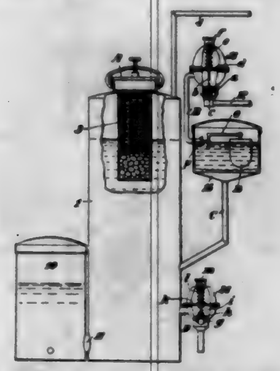
1,539,408. YARN-TENSIONING DEVICE. ALBERT M. PIGEON, deceased, late of Norristown, Pa., by Anna M. Pigeon, administratrix, Norristown, Pa. Filed Dec. 19, 1923. Serial No. 681,572. 9 Claims. (Cl. 242—45.)



1. A yarn tension device comprising yarn-engaging instrumentalities capable of being influenced to vary the drag on the yarn, a lever associated with said instrumentalities, a weighted member with its end bearing on the lever, and means for automatically shifting the end of the member along the lever to compensatively vary the drag induced by the yarn-engaging instrumentalities in accordance with changes in linear speed of the yarn.

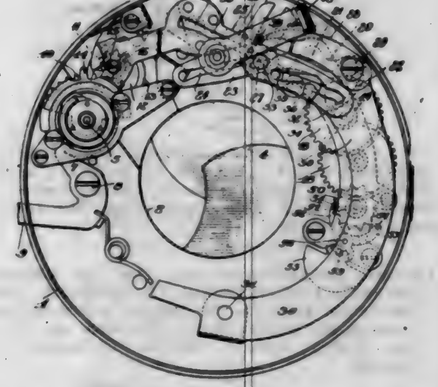
1,539,409. APPARATUS FOR THE PRODUCTION OF HIGH-PRESSURE ACETYLENE. LUDWIG REITZ, Duesseldorf-Eller, Germany. Filed Nov. 14, 1924. Serial No. 749,878. 5 Claims. (Cl. 48—19.)

2. In an apparatus for generating high-pressure acetylene gas, comprising a closed generator adapted to operate under a predetermined pressure and containing a water space and a carbide holder, a conduit for supplying water to the generator, an automatic pressure regulating device in said water conduit, said pressure regulating device cooperating with the generator and operating to



supply water thereto when the pressure in the generator drops below the predetermined pressure, and a closed pressure compensating vessel adapted to enclose an air bolster and connected with the water space of the generator.

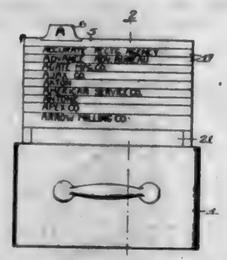
1,539,410. PHOTOGRAPHIC SHUTTER. WILLIAM A. RIDDELL, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Oct. 1, 1921. Serial No. 504,717. 12 Claims. (Cl. 95—63.)



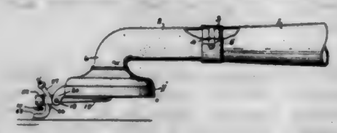
1. In a photographic shutter, the combination with blade mechanism, actuating mechanism therefor and a retarding device also driven by the actuating mechanism, of a pivoted element for regulating the influence of the retarding device and a pivoted element, turning on a different center, for operating the regulating element and having a lost motion connection therewith for the purposes set forth.

1,539,411. CARD-INDEX SYSTEM. ELMER W. DAVIS, Chicago, Ill., assignor to Shaw-Walker Company, Muskegon, Mich., a Corporation of Michigan. Filed Mar. 11, 1921. Serial No. 451,544. 14 Claims. (Cl. 129—16.5.)

3. A card index system comprising a container, a series of individual card-holding members adapted to be normally retained in said container in registering relation from front to rear thereof, said card-holding members being interconnected whereby each member may be displaced vertically a predetermined distance relative to the preceding member, by the vertical withdrawal of one of said card-holding members.

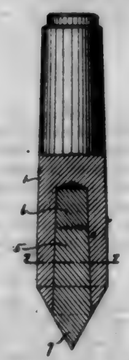


1,539,412. SOUND-REPRODUCING DEVICE. ZENA ECKELBARGER, Goshen, Ind. Filed Sept. 9, 1920. Serial No. 409,202. 8 Claims. (Cl. 274—28.)



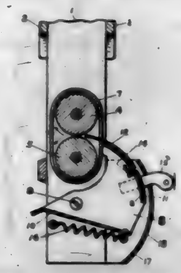
4. In a device of the class described and in combination with a sound box, a stylus bar pivoted thereto; a shaft in alignment with the bar and carried thereby; a stylus carrier rotatable about the shaft; and a stylus carrier in alignment with the bar.

1,539,413. LATHE CENTERING TOOL. HAROLD FISH, Bridgeport, Conn. Filed Jan. 10, 1923. Serial No. 611,883. 3 Claims. (Cl. 76—108.)



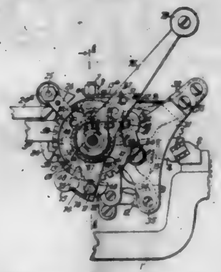
2. A method of making a cutting tool which consists in forming a shank made of machine steel with an outwardly tapering hole therein, heating the said shank so as to enlarge the said hole, driving into the said hole a correspondingly tapered cutting member and then quenching the said shank, the temperature of said shank after the heating thereof being sufficiently high to cause the shrinkage thereof upon quenching to tightly bind said cutting member in said shank, said temperature being sufficiently low to avoid any distortion of the parts when said cutting member is forced into said shank.

1,539,414. SAFETY DEVICE FOR CLOTHES WRINGERS. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed June 5, 1922. Serial No. 566,178. 4 Claims. (Cl. 68—32.)



1. An attachment for a clothes wringer frame having pressure rolls, comprising a frame pivotally mounted on said wringer frame below said rolls, an actuated feed plate pivoted by one of its edges to said pivoted frame, the opposite edge of said feed plate being adapted to be swung against clothing to force the same between the pressure rolls, and a coiled spring secured to the wringer and pivoted frame to return said pivoted frame to inoperative position.

1,539,415. TYPEWRITING MACHINE. FREDERICK A. HART, New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Oct. 5, 1923. Serial No. 666,698. 27 Claims. (Cl. 197—117.)



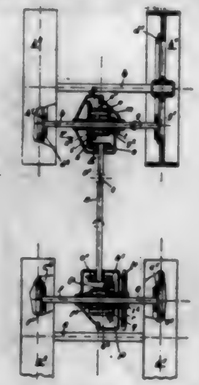
1. In a typewriting machine, the combination of a platen, a finger piece, operative connections between said finger piece and said platen effective to move said platen when said finger piece is actuated, a stop effective to limit the movement of said platen in one direction when actuated by said finger piece, locking devices for normally locking said stop against movement, and devices for automatically rendering said locking devices ineffective.

1,539,416. RADIODETECTOR AND PROCESS FOR MAKING THE SAME. FREDERICK H. HENDEY, Passaic, and RUSSELL B. EVERSON, Clifton, N. J. Filed Aug. 3, 1922. Serial No. 579,497. 8 Claims. (Cl. 250—31.)

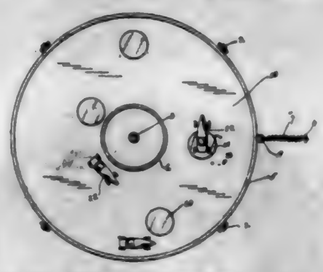
1. A detector for radio apparatus comprising a substantially complete mixture of lead sulphide and free lead.

1,539,417. FOUR-WHEEL DRIVE FOR POWER VEHICLES. FRITZ HUBER, Mannheim, Germany, assignor to Heinrich Lanz, Mannheim, Baden, Germany, a Copartnership. Filed Apr. 16, 1924. Serial No. 706,804. 5 Claims. (Cl. 180—49.)

1. A four-wheel drive for power vehicles in which two differential gears driving each a wheel pair are operatively connected through a free-wheel connection incorporated in one differential gear and said differential gear is driven from the engine and in turn drives the other through said free-wheel connection.

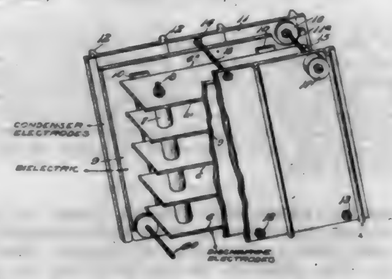


1,539,418. CHANCE-CONTROLLED RACING GAME. ELMER N. JOHA, Milwaukee, Wis. Filed Mar. 30, 1922. Serial No. 547,969. 16 Claims. (Cl. 273—86.)



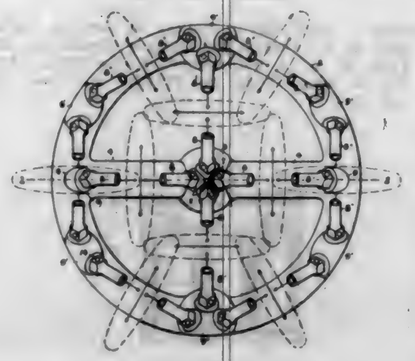
3. As a new article of manufacture, a board pivoted for oscillation about a given axis and providing a curved raceway having surface areas of differing texture, a certain area being comparatively rough and another area being polished.

1,539,419. OZONE-GENERATING UNIT AND METHOD OF REGULATING THE AIR GAP THEREIN. WALTER KEISER, St. Louis, Mo., assignor to The Air Conditioning and Engineering Co., St. Louis, Mo. Filed Aug. 6, 1923. Serial No. 656,066. 22 Claims. (Cl. 204—32.)



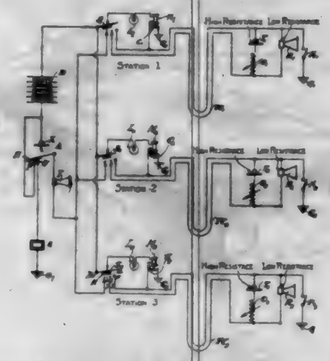
1. In an ozone generating device, a flat dielectric and a flat separable support therefor, said support comprising an electrode.

1,539,420. GAS BURNER. HARRY E. KERR, Cleveland, Ohio. Filed Dec. 29, 1924. Serial No. 758,616. 7 Claims. (Cl. 158—99.)



1. A gas burner, comprising a hollow ring having a circular hollow central part and a plurality of complementary pairs of gas nozzles mounted radially in reversely-inclined position upon said ring and central part.

1,539,421 ELECTRIC COMMUNICATING SYSTEM. CARL KRAFT, New York, N. Y., assignor of one-half to L. Stewart Gatter, New York, N. Y. Filed July 6, 1920. Serial No. 394,215. 3 Claims. (Cl. 179—2.)



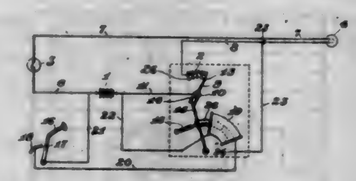
1. In an electric communicating system the combination, in a two wire circuit from each of a plurality of elevator cars to a central dispatcher station, of a loud speaking receiver of low resistance with a loud speaking transmitter of high resistance at each car connected in parallel with said low resistance receiver so that the transmitter is not a short circuit for the receiver and so that the receiver does not receive the effects of the transmitter; batteries common to all and connected in series with one of said wires to each car; a master telephone at said dispatcher station with low resistance transmitter and receiver; the hook of said master telephone; which said hook when in talking position makes contact connecting the common batteries in series with the master telephone transmitter and receiver and to the other wire of said wires to each car as selected at the dispatcher station; selector switches arranged to open both wires to the car and by means of which said selection can be made.

1,539,422. COMBINATION TOOL. JOHN E. LUNDQUIST, Chicago, Ill. Filed Jan. 14, 1921. Serial No. 437,188. 2 Claims. (Cl. 33—148.)



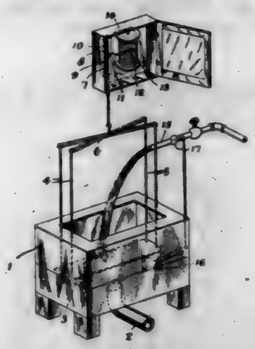
1. A combination tool having, in combination, two flat body members disposed in overlapping relation, a stud connecting said members for relative pivotal movement, a blade element on each of said members extending radially from said stud and having a curved outer end, said blade elements having their curved ends disposed either toward or away from each other according to selected positions of said members, there being two arcuate scales arranged on one of said members concentric with said stud, and two indicator points on the other member, one registering with one of said scales when said curved ends are disposed toward each other and the other registering with said other scale when said curved ends are disposed away from each other.

1,539,423. SIGNALING LIGHT FOR MOTOR VEHICLES. PHILIP MALCAMP, New Orleans, La. Filed Aug. 3, 1922. Serial No. 579,428. 4 Claims. (Cl. 177—339.)



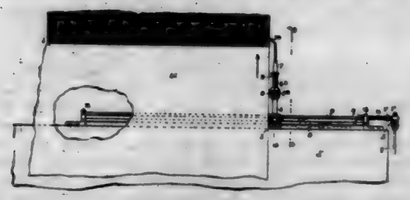
1. In a signaling means for motor vehicles, the combination of a lamp; an electric circuit containing a rheostat adapted to light said lamp; a second circuit including a circuit maker under the control of the driver said lamp and said driver also adapted to light said lamp; and means controlled by said circuit maker for cutting said rheostat out of said lamp circuit, substantially as described.

1,539,424. LIQUID METER. ELIAS MONESS, New York, N. Y. Filed May 9, 1923. Serial No. 637,709. 4 Claims. (Cl. 73—167.)



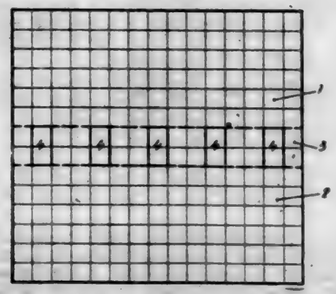
3. A meter of the kind described comprising a tank, a board, a spring-balance from which the board is suspended, means for causing a stream to fall upon the board, and a pen connected with the spring-balance.

1,539,425. FELL-FINDING MEANS FOR LOOMS. MARINUS PEPLING, Paterson, N. J. Filed Oct. 6, 1923. Serial No. 666,918. 4 Claims. (Cl. 139—1.)



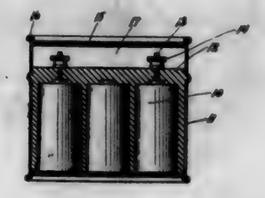
1. In a loom, the combination of mechanism to maintain the sheet of warp and cloth taut and shift the same forward or backward, said mechanism including a forward-and-backward-movable take-up means for the cloth, and means, having a movable controlling part arranged rearward of and adapted to be actuated by the fell of the cloth, to stop the backward movement of the take-up means on shifting the sheet backward.

1,539,426. GAME. FRANZ RAMMELMEYER, Heidelberg, Germany. Filed Aug. 7, 1924. Serial No. 730,681. 2 Claims. (Cl. 273—131.)



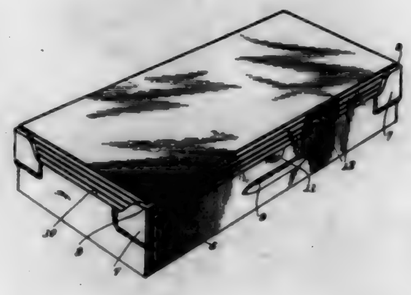
1. A strategical game apparatus comprising, like a checkers game, a playing-board and two sets of figures and to be played by two parties and one umpire, said figures being roof-shaped, and detachable distinguishing badges removably located on one side of said figures only, said latter side always facing the player during the play, so that neither party is allowed to find out the character of his adversary's figures, this being left to an umpire only.

1,539,427. BATTERY. THOMAS M. RECTOR, Rutherford, N. J., assignor to Vitapack Corporation, New York, N. Y., a Corporation of New York. Filed May 10, 1924. Serial No. 712,221. 5 Claims. (Cl. 136—38.)



1. In a dry-battery construction, a cell unit, a sealed container for the cell unit sufficiently larger than the cell to provide space between the cell and the walls of the container, insulating material separating the cell and the container, and the remaining space in the container being filled with an inert gas.

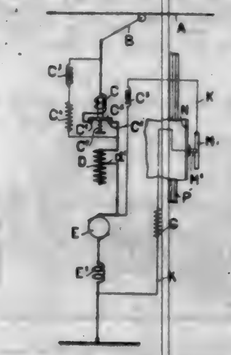
1,539,428. DENTAL MIXING SLAB. THEODORE ROMAINE, Irvington, N. J. Filed May 2, 1924. Serial No. 710,577. 5 Claims. (Cl. 32—5.)



1. A mixing slab comprising a thin oblong rectangular body, outstanding frame corners integral therewith and extending to a uniform height thereabove, and a plurality of plates having rounded edges disposable within said corners on the upper surface of said body.

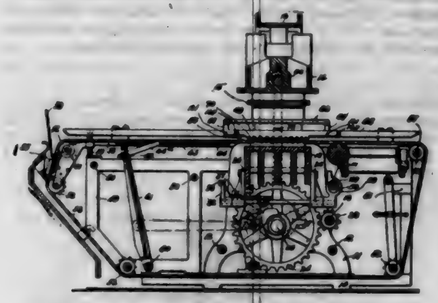
1,539,429. OVERLOAD-CIRCUIT BREAKER FOR MOTORS STARTED BY MEANS OF A STARTING RESISTANCE. WILLY SARTIG, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 10, 1922. Serial No. 542,736. 3 Claims. (Cl. 172—152.)

1. In combination with an electric motor, a body propelled by said motor, a prescribed track for said body, a main circuit in connection with said motor, an overload circuit breaker having a main current releasing coil in said circuit, an auxiliary coil for supplementing



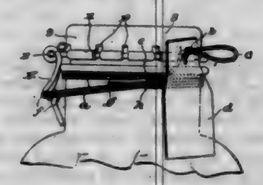
the action of said main current releasing coil, and means for automatically exciting said auxiliary coil at predetermined points in the travel of said body.

1,539,430. SAFETY CLUTCH MECHANISM. CHARLES ADRIAN SAWYER, Jr., Newton, Mass. Filed Apr. 9, 1921. Serial No. 460,117. 4 Claims. (Cl. 192—138.)



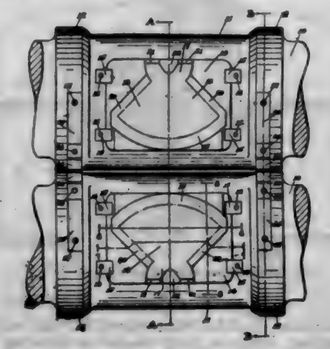
1. An improved clutch operating mechanism comprising a rotatable shaft, a cam thereon, a clutch for connecting said shaft to a source of power, clutch operating means, a stub shaft connected thereto, a roller slidably and rotatably mounted on said stub shaft, and means for moving said roller into and out of the path of movement of said cam at predetermined times.

1,539,431. BOTTLE CLOSURE. SAMUEL M. SCHENKEIN, Newark, N. J. Filed Jan. 2, 1924. Serial No. 683,978. 11 Claims. (Cl. 215—82.)



1. The combination with a bottle and a cap closure for the same having means to lock the cap to the bottle when the cap is rotated thereon, said closure having an opening, hole or the like in a part thereof extending over the lip of the bottle; of a single flexible member passing through said opening and tightly wound about the bottle neck contrary to the releasing motion of the cap a plurality of times to anchor or hold the cap in closed position, and means to seal the end of said turns to the bottle.

1,539,432. MILL FOR ROLLING TAPERED DISKS. OTTO C. SCHOENWERK, Philadelphia, Pa., assignor to Budd Wheel Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 22, 1921, Serial No. 516,987. Renewed Oct. 9, 1924. 10 Claims. (Cl. 80—16.)



10. In an apparatus of the character specified, the combination of a pair of cooperating rolls, each roll having a cylindrical collar at each end thereof, provided with a recess, and an eccentric body portion between the collars, said collars being normally in rolling contact with each other, said body portions having working faces so disposed with reference to the roll axis as to separate the contacting collars, when said faces engage a blank, thereby exerting pressure on said blank, a wedge positioned in the bottom of each of said recesses and cams secured in position upon said wedges and projecting slightly above the cylindrical surfaces of said collars, the high points of said cams contacting with each other at predetermined positions to shift the pressure from said faces and relieve the pressure on said blanks while they pass from between said faces.

1,539,433. METHOD OF UTILIZING RESINOUS WOODS. ARLIE WILLIAM SCHORGER, Madison, Wis., assignor to C. F. Burgess Laboratories, a Corporation of Wisconsin. Filed May 25, 1920. Serial No. 384,281. 10 Claims. (Cl. 92—6.)

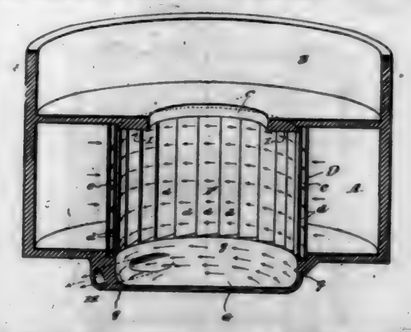
7. The method of making mechanical pulp from resinous woods, which consists in grinding the wood in the bolt in the presence of an aqueous solution of an agent having solvent and emulsifying action on resin, squeezing and washing the pulp so produced and delivering the wash water to the grinder for solvent action on fresh pulp, and recirculating the grinder solution through the grinder until it is well charged with resinous material, substantially as described.

1,539,434. THIMBLE. MARY JOSEPHINE SCHUBERT, Glendale, Mo. Filed Mar. 7, 1923. Serial No. 623,427. 3 Claims. (Cl. 223—51.)



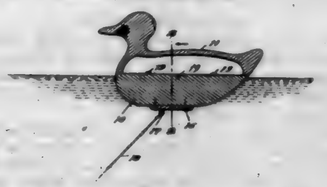
1. In a thimble of the character described comprising a circular band, a conical shaped member supported by one end of said band, and a circular plate having indentations therein supported between said conical shaped member and the other end of said band as and for the purpose indicated.

1,539,435. CENTRIFUGAL APPARATUS. JOSEPH MARTIN SCHUTE, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Feb. 5, 1924. Serial No. 690,861. 8 Claims. (Cl. 183—85.)



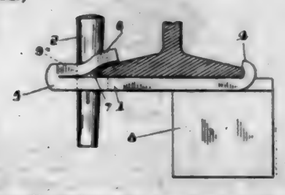
1. The herein described improvement for the centrifugal treatment of fluids without resort to rotating parts, comprising a ring containing a circumferential series of longitudinal inwardly directed and operatively overlapping slit-like tangential tuyères, in combination with an end closure presenting an annular inner surface edgewise to said tuyères and perpendicular to the axis of said ring, a second closure of a bowl-like shape providing a longitudinal extension for the other end of said ring and containing a peripheral outlet for the heavier constituents of the fluid, and, one of said closures having a central outlet, smaller than said ring, for the lighter constituents of the fluid.

1,539,436. DECOY DUCK. LOUIS E. SHAW, East Orange, N. J. Filed Sept. 14, 1922. Serial No. 588,277. 3 Claims. (Cl. 43—3.)



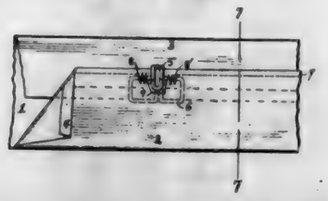
1. A decoy duck formed of a cork composition simulating in outline a natural duck, including a solid flotation member and a hollow superstructure secured thereto, said decoy duck having its center of mass and its center of flotation adjacent each other and both located within the outlines of the flotation member and adjacent the top of the flotation member.

1,539,437. RAIL ANCHOR. ALBERT E. SHIRLEY, Toronto, Ontario, Canada. Filed Sept. 22, 1922, Serial No. 589,913. Renewed Oct. 27, 1924. 2 Claims. (Cl. 238—324.)



1. In a rail anchor, the combination of an integral reach bar having a hook formed at one end adapted to engage one edge of the base of a rail, a recess at its other end in which the other edge of the base of the rail is adapted to be received, said recessed portion having a hole therethrough and a downwardly directed abutment member, and a conical key adapted to be received in said hole and engage the edge of the rail base.

1,539,438. HOOK AND EYE TAPE. DAVID SILBERMAN, New York, N. Y. Filed Aug. 19, 1924. Serial No. 732,955. 2 Claims. (Cl. 2—265.)



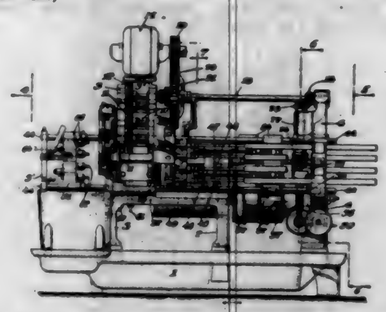
1. Hook or eye tape comprising two plies of imperforate fabric forming flaps, wire fastening members provided with base loops, said base loops lying between the open edges of the flaps with their engaging portions extending beyond a flap and a line of stitching extending along the flaps and uniting them, said stitching including stitches extending transversely of said line and encircling the wire of the base loops whereby the fastening members are securely locked between the flaps.

1,539,439. TOOL-HOLDING MEANS. OSCAR AUGUST SMITH, East Cleveland, Ohio, assignor to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 26, 1921. Serial No. 510,413. 1 Claim. (Cl. 279—74.)



The combination of a rotary spindle having a bored tool holder of different diameters forming a shoulder, a tool releasably held in said bore and having a slabbed portion and therebelow a recess, a driving pin carried by said holder transversely of its bore for engaging the slabbed portion of said tool, a spring pressed plunger also carried by said holder and projecting into the tool recess, a shiftable sleeve carried by said holder of different diameters fitting the different diametered holder and spaced from a part of said holder and having a flaring end for engaging said plunger and a pair of shoulders one adapted to contact with the holder shoulder to limit the upward movement of the sleeve and the other to contact with the plunger to limit the downward movement of the sleeve, said plunger in its outward position contacting with the flaring end of the sleeve to hold it adjacent to the tool holder.

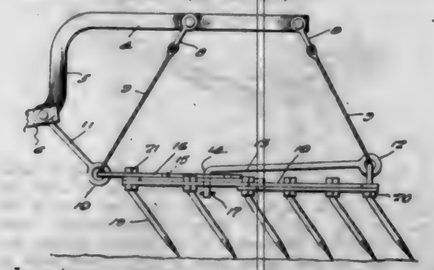
1,539,440. NUT FORMING AND DRILLING MACHINE. OSCAR A. SMITH, East Cleveland, and GEORGE J. LEBER, Cleveland, Ohio, assignors to The National Acme Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 13, 1923. Serial No. 631,759. 87 Claims. (Cl. 29—52.)



1. In a metal working machine, the combination of a supporting frame of gable section, work spindles, end working tools and side forming tools located on two of the faces of said supporting frame whereby they are in gable formation, and means for operating them.

30. In a metal working machine, the combination of a plurality of work spindles located in gable formation, a plurality of sets of tools likewise located in gable formation, a single cam shaft mechanism for controlling the operation of said tools, and a centrally located driving mechanism for operating the work spindles and rotating the cam shaft, said driving mechanism having its source of power located at the apex of the machine and said cam mechanism being located in parallelism therewith.

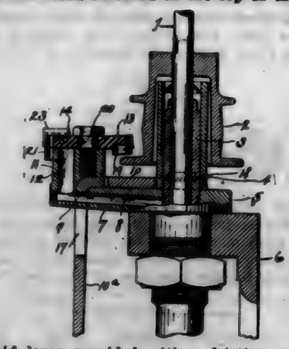
1,539,441. HARROW STRUCTURE. DAVID SPAHN, Wheatland, Wyo. Filed Aug. 27, 1924. Serial No. 734,456. 1 Claim. (Cl. 55—31.)



In a harrow structure of the class described, a collapsible diamond shaped frame, rearwardly inclined teeth carried by said frame, a plate attached to the forward end of the frame and extending into the interior thereof and provided with apertures, a rod connected to the rear end of the frame and extended into the interior and having a down turned end adapted to be selectively engaged with the apertures in said plate.

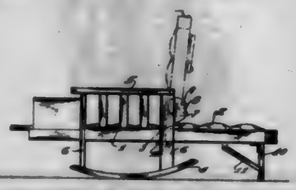
1,539,442. KNEE BRAKE. BERTRAM R. SWEET and HENRY DALTON, Whitinsville, Mass., assignors to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed May 10, 1924. Serial No. 712,415. 2 Claims. (Cl. 118—8.)

1. In a device of the character described, a spindle having a flanged whorl, a knee brake lever having a pair of arms loosely embracing the spindle bolster case, a friction pad affixed to each arm adapted to engage the underside of the bottom flange of the whorl at points substantially opposite diametrically with relation to the axis of the spindle, a post adjacent to the whorl having an oil inlet therein connecting with a channel in the base of the spindle bolster case, a lever fulcrumed on a stud fastened in the top of the post, one



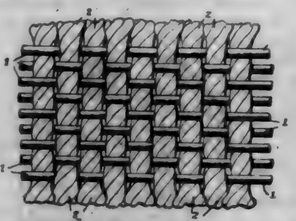
arm of said lever provided with a friction pad adapted to normally engage the upper surface of the whorl flange when the knee brake is operated, the other arm of said lever serving as a cover for the oil inlet, and means for locking said lever in operative position.

1,539,443. COMBINATION BED AND CHAIR. MAY C. TALMAGE, Apollo, Pa. Filed Mar. 21, 1923. Serial No. 626,603. 2 Claims. (Cl. 155—49.)



1. In a convertible chair having a seat, a drawer mounted below the seat, side extensions hingedly connected to the sides of the drawer and adapted to be raised to vertical position when the drawer is pulled out, a rest plate pivotally connected to the underside of the seat and adapted to be projected beyond the front of the seat to form a rest, and a board adapted to be supported upon said rest and the front of the drawer to form an extension of the seat.

1,539,444. BRAKE LINING. EDWARD J. TRAINOR, Brooklyn, N. Y., assignor to Asbestos Spinning and Weaving Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 9, 1921. Serial No. 499,557. 7 Claims. (Cl. 188—259.)



5. A brake lining comprising interwoven strands of bare wire and heat resisting fibrous material folded upon itself along the line of the wires, coated with a resilient composition and having attached thereto a fibrous backing.

1,539,445. WHEEL SKATE. THEODOOR VAN BUUREN, Amsterdam, Netherlands. Filed Oct. 17, 1923. Serial No. 669,136. 2 Claims. (Cl. 208—178.)

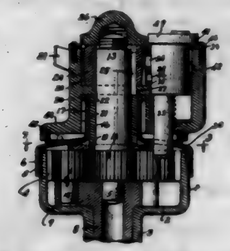
1. A skate, comprising in combination a metal foot plate having forwardly and rearwardly extending bifur-

cated portions at its opposite ends which are disposed substantially co-planar therewith; the members of each bifurcated portion being twisted at right angles to the body of the plate and formed with aligning openings, and the free outer ends of the members of the rear bifur-



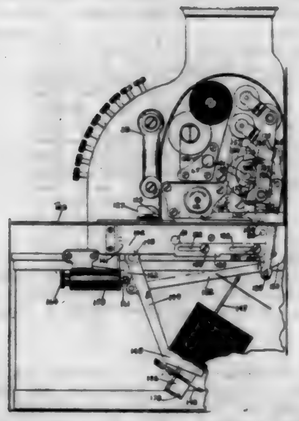
cated portion being bent downward and rearward; front and rear wheels journaled in said bifurcated portions with their axles mounted in the alining openings in the twisted members thereof, and a brake roller journaled in the bent ends of the members of the rear bifurcated portion.

1,539,446. STEERING-WHEEL LOCK. FREDERICK VINCENT, Detroit, Mich. Original application filed June 22, 1921, Serial No. 479,627. Divided and this application filed Jan. 19, 1923. Serial No. 613,584. 15 Claims. (Cl. 70—129.)



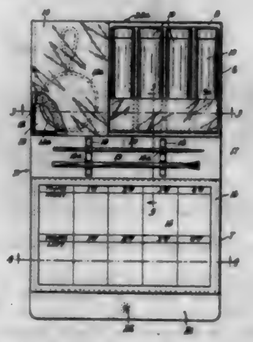
1. In steering mechanism, a rotatable steering shaft, a steering wheel mounted thereon to turn therewith and removable endwise of said shaft, a nut having flat sides and attached to said shaft and engaging said wheel to prevent removal of said wheel, and a slidable locking member having engagement with a flat side of the nut to prevent removal of said nut from the shaft, removal of said wheel being prevented until the nut is removed from the shaft.

1,539,447. CASH REGISTER. EDWARD J. VON PEIN, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Nov. 18, 1921. Serial No. 516,100. 37 Claims. (Cl. 271—63.)



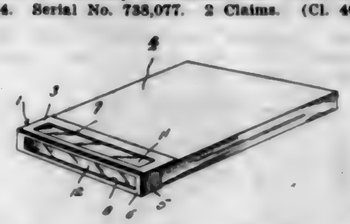
1. In a machine of the class described, the combination of movably mounted record material retaining means, and means for moving record material toward said retaining means during movement of said retaining means.

1,539,448. POCKET FINGERPRINTING KIT. THOMAS M. WHITE, Austin, Minn. Filed Apr. 11, 1924. Serial No. 705,749. 10 Claims. (Cl. 41—4.)



1. A pocket finger printing kit comprising two connected sections foldable transversely upon each other, and a means on one of said sections for overlapping the edges of and holding in place a plurality of loose sheets whereby the top sheet will be exposed to receive finger impressions and be prevented from moving edgewise.

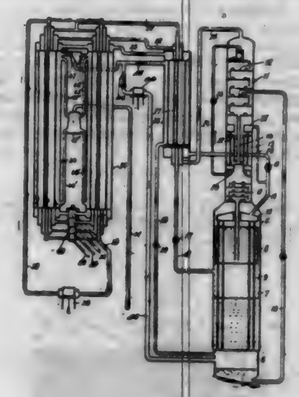
1,539,449. NAME HOLDER FOR SALES BOOKS. HENRY E. WIENKE, Huntington, Ind. Filed Sept. 16, 1924. Serial No. 738,077. 2 Claims. (Cl. 40—11.)



1. A name holder for sales books comprising a casing open at its forward end and adapted to fit over the closed end of the book, the upper and rear faces of the casing having elongated slots formed therein, name plates removably supported in the casing against the under side of the upper face and the inner side of the rear face over the slots formed therein, transparent strips interposed between the name plates and the adjacent faces of the casing, means for preventing the displacement of the casing from the book, said means comprising flat springs secured at their forward ends to the under side of the under face of the casing adjacent the ends thereof.

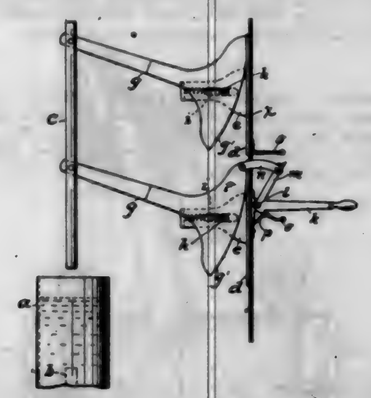
1,539,450. METHOD OF SEPARATING THE CONSTITUENTS OF GASEOUS MIXTURES. WALTER WILKINSON, Jersey City, N. J., assignor to Air Reduction Company, Inc., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,444. 7 Claims. (Cl. 183—115.)

1. A method of separating the constituents of a gaseous mixture by liquefaction, which comprises compressing and cooling the mixture, liquefying a portion thereof at the initial pressure, expanding another portion, subjecting the expanded portion to selective liquefaction by indirect contact with colder products, thereby forming a liquid containing the constituents and a residual gas, subjecting the liquid to rectification with vapors of the preceding portions thereof, withdrawing



and dividing the residual gas, liquefying non-selectively a regulated portion thereof and subjecting said vapors to final contact with the liquefied residual gas.

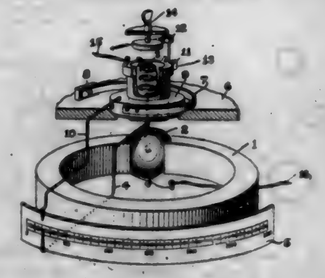
1,539,451. CIRCUIT BREAKER. WALTER N. WILLIS, Easton, Md., assignor of one-half to George J. Harding, Merion, Pa. Filed June 23, 1923. Serial No. 647,280. 10 Claims. (Cl. 200—153.)



1. The combination with a lever having a plurality of arms and an element connected with one of said arms, of a fulcrum therefor, the fulcrum being movable to cause variation in the relative lengths of the arms of the lever.

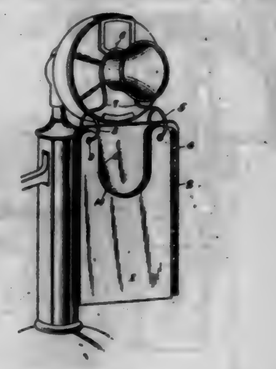
1,539,452. COMPENSATING MEANS FOR TEMPERATURE-MEASURING INSTRUMENTS. CHARLES H. WILSON, Mount Vernon, N. Y., assignor to Wilson-Maeulen Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 8, 1921. Serial No. 506,285. 8 Claims. (Cl. 73—82.)

1. In a pyrometric indicating instrument associated with a thermocouple having a cold junction, a common thermo-sensitive element adapted both to measure the temperature of the instrument and to compensate the indicating devices thereof for cold junction temperature variations, means supporting said common thermo-sensi-



tive element, and means connected to said supporting means and adjustable relative thereto for supporting one of said indicating devices.

1,539,453. TELEPHONE-PAD ACCESSORY. HORACE WILTBANK, Washington, D. C. Filed May 29, 1924. Serial No. 716,680. 9 Claims. (Cl. 40—10.5.)

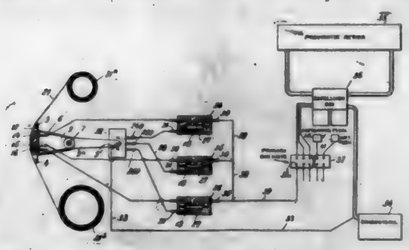


2. A telephone pad accessory, comprising a plurality of leaf members, eyelets extending through the upper portions of the leaf members, rings for hingedly mounting the leaves, means for supporting the pad in closed pendent position, a recess through a plurality of the leaves adjacent the top of a size to permit a leaf or leaves to be swung past telephone mouthpiece and to permit the wall of the recess to contact the mouthpiece, thereby supporting the pad in open position by virtue of the contact of the wall of the recess with the wall of the mouthpiece.

1,539,454. REPRODUCING PIANO. FRANCIS LINCOLN YOUNG, New York, N. Y., assignor to The Aeolian Company, a Corporation of Connecticut. Filed July 1, 1922. Serial No. 572,225. 5 Claims. (Cl. 84—157.)

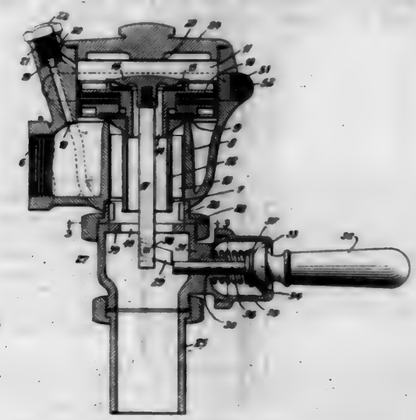
1. Means for adapting a reproducing piano to play interchangeably with music-sheet having different kinds and arrangements of expression controlling perforations, said means comprising a main tracker bar having note playing ducts; a supplemental section having plural rows of expression controlling ducts, the said rows being respectively adapted to co-act with the expression controlling

perforations of said different kinds of music-sheets; said supplemental section being supported for transverse adjustment at the end of the main tracker bar to permit



any of its rows of expression ducts to be brought into proper playing position relatively to the note ducts in the main tracker bar.

1,539,455. FLUSH VALVE. WILLIAM H. YOUNG, Bayonne, and JAMES MUIR, Lyndhurst, N. J. Filed Mar. 9, 1923. Serial No. 623,828. 13 Claims. (Cl. 137—93.)



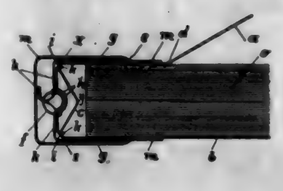
9. A flush valve including a casing formed with inlet and outlet openings, means providing a valve seat formed within and carried by said casing, a valve adapted to engage said seat, a secondary casing secured to said first named casing and adapted to be turned and set in the desired position with respect thereto, means for forming a liquid-tight joint between the secondary casing and the first casing in all positions into which the secondary casing may be turned and an actuating member carried by said secondary casing and adapted to effect an unseating of said valve.

12. A flush valve including a casing formed with inlet and outlet openings, a piston slidable within said casing, a valve forming a part of said piston, means within said casing providing a seat for said valve, said piston being formed with an opening and a valve seat adjacent to said opening, a second rocking or tilting valve carried by said piston and adapted to normally engage said last named seat, a stem secured to said valve and extending through the opening in said piston and beyond the same, a trigger pivotally secured to said stem and a plunger movable endwise toward the stem to engage said trigger and adapted to engage the same only when said valves are in seated position.

1,539,456. IRON ALLOY. WESLEY J. BECK and JAMES A. AUPPERLE, Middletown, Ohio, assignors to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed July 26, 1919. Serial No. 313,611. 3 Claims. (Cl. 75—1.)

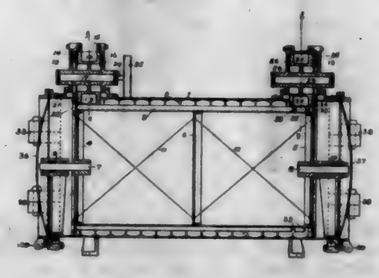
1. A workable iron alloy which has the characteristic of resisting destructive corrosion at high temperatures under oxidizing conditions and is fabricated into forms for use under exposure to such conditions containing silicon in proportions ranging upward from substantially two per cent to percentage not so high as to render it unworkable and containing more silicon than any other alloying metal.

1,539,457. LETTER FILE. EDUARD BERNEBURG, Leipsig, Germany. Filed Aug. 15, 1923. Serial No. 657,527. 1 Claim. (Cl. 129—37.)



A letter file comprising, the combination with an upper and a lower cover of one piece and having a common back, and a torsional spring on said back having integral loop-shaped tongues engaging over the parts of said covers adjacent to said back, of means to fix said torsional spring in position on said back, and consisting of small holes in said back and binding wire passed from inside through each two adjacent holes and twined with said torsional spring, substantially as set forth.

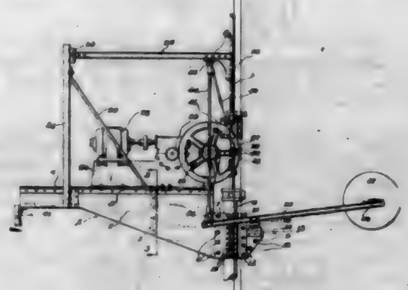
1,539,458. COOKER AND COOLER. SENECA LUCIEN BERRY, Sunnyvale, Calif., assignor, by mesne assignments, to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Mar. 9, 1922. Serial No. 542,381. 1 Claim. (Cl. 126—272.)



A pressure cooker comprising a cooking chamber having openings therein, a valve housing mounted over each of the openings, a supporting bearing mounted in the chamber adjacent each end, a cylindrical conveyor rotatably carried by and between the supporting bearings and operable within the chamber, a valve operable in one of the housings for feeding cans to the conveyor, a valve operable in the other housing for receiving cans from the conveyor, a gear secured to each of the valves and confined within the housings, a gear secured to each end

of the cylindrical conveyor within the chamber, said last mentioned gears meshing with the valve gears, and doors connected to the ends of the chamber, said doors entirely confining the supporting bearings, conveyor and gears secured to the conveyor within the chamber.

1,539,459. PUMPING UNIT FOR OIL WELLS. WILLIAM H. BLAKELY, Tulsa, Okla., assignor of one-fourth to R. E. Martin, one-fourth to C. E. Dagwell, and one-fourth to T. D. Williamson, all of Tulsa, Okla. Filed June 24, 1924. Serial No. 722,117. 7 Claims. (Cl. 74—14.)



1. A pumping unit including means for supporting said unit upon a well casing, means for counter balancing said unit, pumping mechanism and means for automatically disconnecting said pumping mechanism in case of rod breakage.

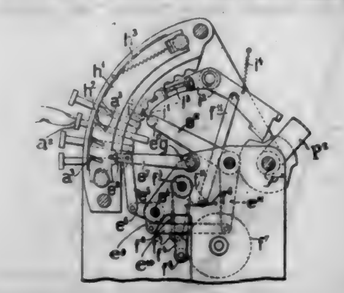
1,539,460. PHONOGRAPH STOP. JOSEF BRANDSTETTER, Chicago, Ill. Filed Oct. 27, 1923. Serial No. 671,266. 15 Claims. (Cl. 192—122.)



1. A phonograph stop comprising a supporting member, a spring-urged brake arm and a latching lever pivoted to the supporting member on relatively transverse axes and so arranged that the brake arm limits the movement of the latching lever in one direction, and a trip arm connected to the latching lever by a friction joint and so positioned that it will move the latching lever in the said direction when the trip arm is moved against the tone arm of the phonograph during the setting of the stop.

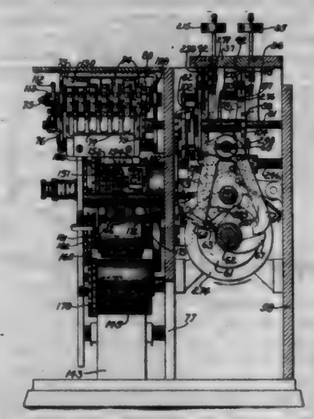
1,539,461. KEY-RELEASING DEVICE FOR CASH REGISTERS AND CALCULATING MACHINES. ERNST BERITLING, Essen-West, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Mar. 13, 1923. Serial No. 624,806. 3 Claims. (Cl. 235—8.)

3. In a key releasing device for cash registers and calculating machines provided with amount keys and special keys designed to unlock the machine for operation comprising locking means for said special keys, displaceable upon depression of a special key, releasing levers for said amount keys provided with adjustable parts, a shaft for said releasing levers, a second shaft parallel with said first mentioned shaft, arms on said second shaft pivotally



connected to the adjustable parts of said releasing levers, and means positively connecting said last mentioned shaft with the locking means for said special keys, whereby said releasing levers are held inoperative during the continued depression of a special key, thus enabling duplicate registrations of the amounts prevously set on the amount keys during a continued operation of the machine.

1,539,462. TICKET MACHINE. THOMAS CARROLL, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Apr. 30, 1921. Serial No. 465,754. 23 Claims. (Cl. 101—66.)

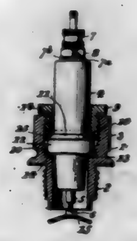


1. In a machine of the class described, the combination of a ticket issuing device adapted to issue a plurality of tickets at one operation, means for printing said tickets as they are issued, operating means therefor adapted to be operated a number of times corresponding to the number of tickets to be issued, a pivoted element for said means adapted to be differentially moved by keys, and a differentially rotating member cooperating with said pivoted element for determining the number of operations of said operating means and the ticket issuing and printing device.

1,539,463. SPARK PLUG. ALFONZO C. CASTILLO, Socorro, N. Mex. Filed Dec. 8, 1921. Serial No. 519,741. 1 Claim. (Cl. 123—169.)

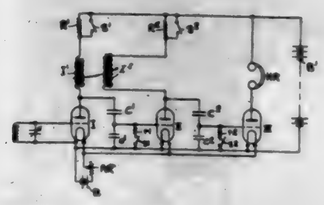
A spark plug of the class described comprising a shell, an insulating block supported therein, an electrode extending centrally through said insulating block and

terminating in a plane slightly below the plane of the lower edge of said shell, said shell being provided at diametrically opposite points on its outer periphery with recesses extending upwardly from the lower edge thereof, an additional electrode of disc-like formation designed substantially rectangular in plane and provided at diametrically opposite points thereon with integral up-



standing arms fitting and secured in the recesses in the lower portion of said shell, said disc-like electrode being spaced below the termination of said first mentioned electrode and being of an arear to entirely cover the lower end of said shell, the oppositely opposed end portions of said disc-like electrode between the projections thereof being deflected downwardly, as and for the purposes described.

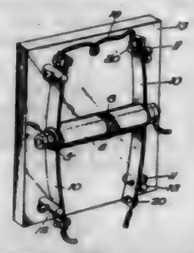
1,539,464. ELECTROMAGNETIC WAVE RECEIVING AND AMPLIFYING SYSTEM. FREDERICK JOHN CHAMBERS, London, England, assignor of one-half to Leonard Alan Leggatt, London, England. Filed Dec. 13, 1922. Serial No. 606,583. 12 Claims. (Cl. 179—171.)



1. A receiving arrangement for electrical oscillations comprising a source of electrical oscillations, a thermionic valve having a filament, a grid, and an anode, a circuit connecting said source of electrical oscillations between said filament and said grid, a battery, an oscillatory anode circuit comprising an inductive resistance, connected between said battery and said anode, the other terminal of said battery being connected to said filament, and two condensers in series connected between said anode and said filament and a receiving device connected across the terminals of one of said condensers.

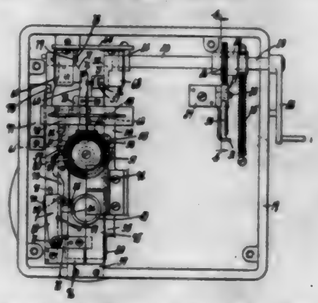
1,539,465. FIELD REGULATOR. PIERRE I. CHANDEYSON, St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 25, 1922. Serial No. 563,531. 2 Claims. (Cl. 171—229.)

1. A rheostat comprising a pair of thermostatic bars arranged so as to be flexed in relatively opposite directions by the same temperature change, means for supporting each bar adjacent to the ends thereof, and a



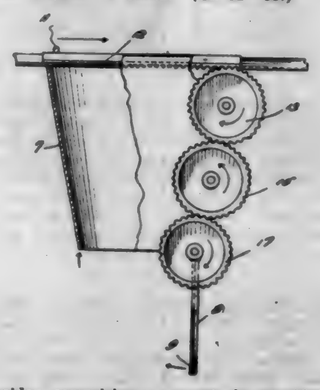
compressible resistance interposed between the medial portions of the two bars and adapted to be varied in resistance by the flexing of the bars.

1,539,466. COIN-OPERATED VENDING MACHINE. DANIEL L. CHANDLER, Boston, Mass., assignor, by mesne assignments, to Vend Ads Corp., a Corporation of Massachusetts. Filed Jan. 19, 1923. Serial No. 613,754. 27 Claims. (Cl. 194—97.)



1. A machine for vending articles having, in combination, a movable member adapted to receive a coin and mechanism rendered operable by one of said articles and said coin to operate said movable member to deposit said coin within said machine when the coin is of predetermined dimensions and to eject the coin from the machine when not of predetermined dimensions.

1,539,467. SANITARY CUSPIDOR. JOSEPH T. H. CLOUTIER, Waterville, Me. Filed Aug. 14, 1924. Serial No. 732,013. 1 Claim. (Cl. 42—69.)



A cuspidor comprising a receptacle provided at its lower end with a hinged door and having guides at its upper end, a door slidably mounted in the guide and

having edge portions disposed beyond the side edges of the receptacle, a rack carried at one edge portion of the slidably door, gear wheels operatively connecting said rack with the hinged door, and a spring pressed pin carried by the receptacle and engageable with the opposite edge portion of the slidable door.

1,539,468. PENCIL. WILLIAM E. COOK and MARCUS MICKELSEN, Minneapolis, Minn. Filed Aug. 8, 1922. Serial No. 580,501. 14 Claims. (Cl. 120—18.)



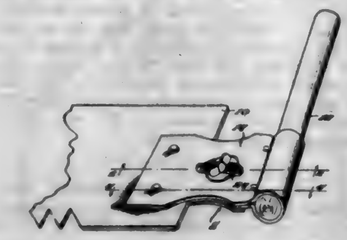
1. A pencil comprising an outer casing, an intermediate tubular member, means for detachably securing said tubular member within said casing, an inner tubular member rotatably mounted within the upper portion of said intermediate member, a helical spring secured to the lower end of said tubular member and extending within the lower portion of said intermediate member, a plunger extending axially within said intermediate member and having an offset portion which is slidable in a slot in said intermediate member and which exteriorly engages a convolution of said spring and interiorly engages convolutions at each side of said first mentioned convolution, and a lead-holding chuck secured to the lower end of said plunger.

1,539,469. TOY FLYING MACHINE. HENRY V. DEMPSTER, Minneapolis, Minn. Filed June 8, 1923. Serial No. 644,362. 5 Claims. (Cl. 46—40.)

1. A toy device comprising a hollow plane having a hollow closed fuselage of sheet material, a plane adjacent the forward end of said fuselage having its front and rear edges detachably inserted in the top of said fuselage, a pin secured in and projecting forwardly from the front of said fuselage, a freely revoluble helical blade journaled on said pin, a string passing through said plane in line with the longitudinal axis of said fuselage and retaining means on said string between said plane and fuselage, and a comparatively long rod to one end of which said string is attached.

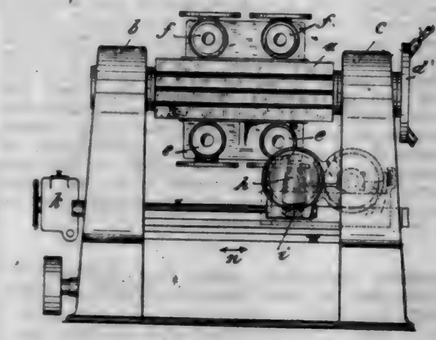
1,539,470. DETACHABLE HANDLE FOR SAW BLADES. ROBERT L. DESKINS, Waverly, Ohio, and BENJAMIN F. DESKINS, Logan, W. Va. Filed May 23, 1924. Serial No. 715,389. 2 Claims. (Cl. 145—110.)

2. A saw handle comprising a stationary plate having one edge portion thereof bent into substantially cylindrical shape to form a handle-receiving socket and having lugs curled up from the outer edge of said portion, a clamping plate having slots formed therein to receive said lugs and thereby permit the clamping plate to assume an operative position with respect to the stationary plate, there being a longitudinal slot formed in



the stationary plate, the walls of which are upstruck to provide oppositely disposed arched portions, a latch bolt carried by the clamping plate, and a nut engaging the threads on the latch bolt and bearing against the arched portions of the slot for clamping said plates in engagement with a saw blade.

1,539,471. MILLING MACHINE. FRITZ RICHARD DEGRING Munchen-Gladbach, Germany. Filed June 29, 1920. Serial No. 392,904. 2 Claims. (Cl. 90—58.)



1. In a milling machine, a work-holding revolver head, means for attaching a plurality of separate work pieces to said revolver head, a milling tool disposed below said revolver head, means for reciprocating said tool in required relation to said revolver head, and means for progressively bringing said work pieces into the path of said tool.

1,539,472. EDGE-INKING MACHINE. EDWARD S. DOTTER, Castle Creek, N. Y. Filed May 5, 1922. Serial No. 558,790. 4 Claims. (Cl. 12—31.)



1. An edge inking roll comprising an approximately circular body, an annular inking rim abutting against the body, a disk holding said rim in place, and a brush

interposed between the disk and rim and projecting beyond the periphery of the rim, substantially as described.

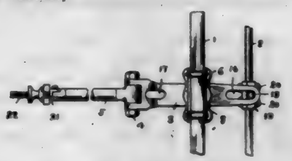
4. An edge inking roll comprising a body having a hub and a flange; an annular non-expansible felt rim directly mounted on such hub and abutting against the flange, said felt rim being of greater diameter than said flange; a removable metal disk on the hub for holding said felt body in place, the disk being of greater diameter than said body and the part of the disk projecting beyond the adjacent periphery of the felt rim serving as a guide to assist the operator in positioning the edge of the shoe against the felt rim, and means for attaching the disk to the body.

1,539,473. NAIL-DRIVING ATTACHMENT FOR AIR HAMMERS. THOMAS BENN ELLWOOD, Marshall, Tex. Filed Aug. 22, 1924. Serial No. 733,598. 7 Claims. (Cl. 1—46.)



7. An attachment for a pneumatic hammer comprising a nail receiving hopper having an intermediate restricted nail passage opening into a bottom cylinder, said cylinder being open at its opposite ends, a tubular nail carrier slidably mounted in said cylinder, spring means for normally projecting the nail carrier to nail driving position, the extended portion of said carrier being provided with a nail shaped slot adapted to register with the aforesaid restricted passage, said slot being normally out of alignment with said passage and being moved into alignment with the passage against tension of said spring means, a rod extending from the hammer through one end of the cylinder and into said carrier and attaching arms carried by the last named end of the cylinder and extending therefrom and adapted to be connected to the hammer.

1,539,474. TOW ROD. ALBIN FALK, Duluth, Minn. Filed Mar. 8, 1924. Serial No. 697,722. 1 Claim. (Cl. 280—33.55.)

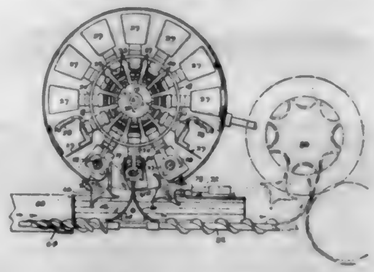


The combination with a vehicle towing rod including a member disposed transverse the forward axle of the vehicle being towed and engageable with the steering rod of said vehicle, of means for pivotally supporting said member directly beneath the axle of the vehicle, said means comprising a longitudinal central groove for engagement with the underside of the axle of the vehicle, and means at either end of the member for securely attaching it thereto.

1,539,475. CAN-DRAINING MACHINE. GEORGE D. GARDNER, San Jose, Calif. Filed Nov. 6, 1924. Serial No. 748,102. 18 Claims. (Cl. 226—22.)

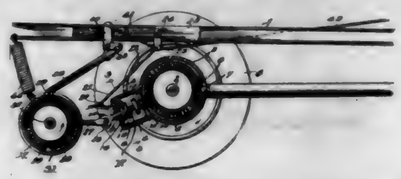
1. A can draining machine comprising, can holders; means to advance cans to and from said can holders; and means to move said can holders on a substantially horizontal plane and to invert said can holders bottom end up during the period of the latter movement.

18. A can draining machine comprising, a base; a drive shaft rotatably mounted on said base; a bearing member secured to said drive shaft; a bearing frame rotatably mounted on said base; a pair of independent gear racks on said base concentric with said drive shaft; a pair of independent cam guides on said base concentric with said drive shaft; a plurality of hollow shafts rotatably journaled in said bearing frame; a bevel gear on each of said hollow shafts enmeshed with one of said gear racks; a cam on each of said hollow shafts engaging one of said cam guides; can holders mounted on said hollow shafts; a plurality of shafts



journaled in said bearing member and in said hollow shafts; a bevel gear on each of said shafts enmeshed with the other of said gear racks; a cam on each of said shafts engaging the other of said cam guides; can clamps on said can holders movably related to said last mentioned shafts; and means to rotate said drive shaft to actuate each of said can clamps and to revolve each of said can holders into a plurality of positions during a single revolution of said drive shaft and to hold said can clamp and can holder locked in each of said plurality of positions during the single revolution of said drive shaft.

1,539,476. AUTOMOBILE ATTACHMENT. CHARLES P. GORMLY, Long Beach, Calif. Filed Apr. 22, 1924. Serial No. 708,294. 12 Claims. (Cl. 188—5.)



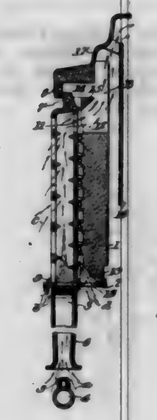
1. In an automobile, the combination of a rear axle housing, a secondary axle, a pair of wheels mounted on said axle and means for swinging the axle and the wheel from the rear axle housing whereby said wheels will cooperate when placed upon the ground with the wheels of the automobile for aiding in braking the same.

11. In an automobile, the combination of a running gear, means swingable from the running gear and adapted to engage the ground for resisting forward movement of the automobile in opposition to the action of the driving wheels.

1,539,477. GAS HEATER. JOHN H. GRAYSON, Athens, Ohio, assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio, a Corporation of Ohio. Filed Mar. 11, 1924. Serial No. 698,552. 9 Claims. (Cl. 126—92.)

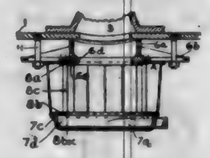
1. In a flueless heater of the glower type, a glower, a fire-brick having a passage through which hot gases

pass from said glower before leaving the heater, and means for supplying secondary air to the hot gases



as they leave said glower and in such quantity as to insure complete combustion.

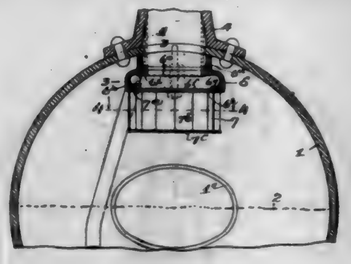
1,539,478. CENTRIFUGAL PROCESS AND APPARATUS. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,717. 4 Claims. (Cl. 183—85.)



1. The herein described centrifugal process that consists in setting up within a flowing stream of fluid a localized whirling action in a region coaxial with and in direct axial communication with, but substantially perpendicular to, the outlet passage toward which the fluid moves, progressively causing a reactive whirling movement away from said outlet, collecting the heavier substances and expelling them peripherally outward by centrifugal force, discharging them peripherally, and, finally permitting the inward reaction and escape of the purified fluid toward and along the extended axis of the outlet.

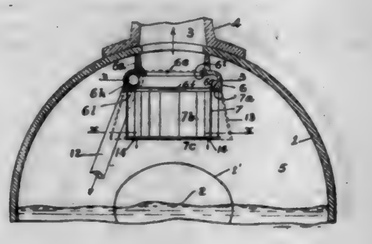
1,539,479. CENTRIFUGAL FIXTURE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,718. 11 Claims. (Cl. 183—85.)

1. The process of purifying fluids that consists in setting the fluid into motion toward an outlet, causing and localizing the rapid rotation of the fluid adjacent said outlet and about the extended axis thereof, thereby separating the heavier substances centrifugally and withholding them from said axis, permitting a marked lateral expansion throughout the circumference of the whirling action immediately adjacent and in unobstructed centrifugal communication with said outlet and thereby laterally removing said substances from the fluid and from the margin of said outlet, and, completing the



state of separation at a point immediately adjacent said outlet and so removed from the outlet, while permitting the purified fluid to depart through said outlet.

1,539,480. CENTRIFUGAL FIXTURE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,719. 7 Claims. (Cl. 183—85.)

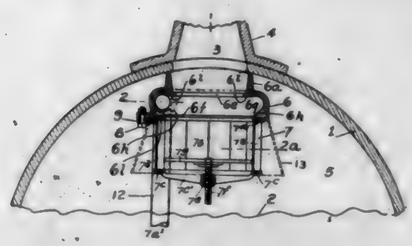


1. The process of purifying fluids that consists in setting the fluid into motion toward an outlet, causing and localizing the rapid rotation of the fluid adjacent said outlet and about the extended axis thereof, thereby collecting the heavier substances centrifugally and withholding them from said axis, permitting a quantity of said substances to discharge longitudinally in a direction opposite from said outlet, permitting a marked lateral expansion of the whirling action immediately adjacent said outlet and thereby laterally removing the remainder of the substances from the fluid and the region of said outlet, and, completing the state of separation of the last mentioned substances at a point laterally removed from said outlet while permitting the purified fluid to depart through said outlet.

1,539,481. CENTRIFUGAL FIXTURE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,720. 13 Claims. (Cl. 183—86.)

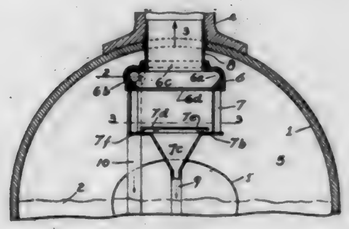
1. The process of purifying fluids that consists in setting the fluid into motion toward an outlet, causing and localizing the rapid rotation of the fluid adjacent said outlet and about the extended axis thereof, thereby collecting the heavier substances centrifugally and withholding them from said axis, modifying as need be the axial extent of the rotation with relation to the volume of flow through said outlet, permitting a marked lateral

expansion of the whirling action immediately adjacent said outlet and thereby laterally removing the collected substances from the region of said outlet, and, com-



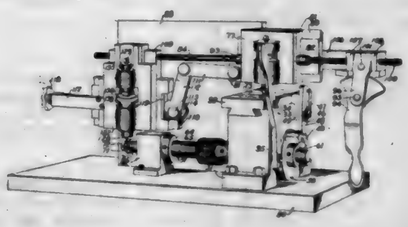
pleting the state of separation of the said substances at a point laterally removed from said outlet, while permitting the purified fluid to depart through said outlet.

1,539,482. CENTRIFUGAL FIXTURE. CHARLES GILBERT HAWLEY, Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio, a Corporation of Delaware. Filed Nov. 28, 1924. Serial No. 752,721. 8 Claims. (Cl. 183—85.)



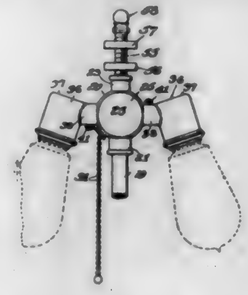
1. A centrifugal liquid purifying device comprising an annular race member having a peripheral discharge and a large central outlet, in combination with a multiply tuyered ring adapted to direct the fluid whirlingly into said race and toward said outlet, said ring having a bottom containing a cavity to receive impurities not elevated to said race.

1,539,483. ENGRAVING MACHINE. ALBERT C. HERMANN, Dayton, Ohio, assignor to The National Cash Register Company, Dayton, Ohio. Filed Dec. 10, 1921. Serial No. 521,443. 25 Claims. (Cl. 90—13.3.)



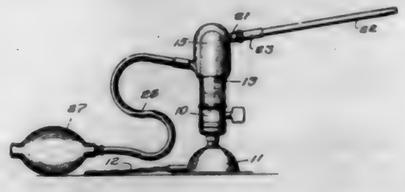
1. In a machine of the class described, the combination of a tracing pin carrying member adapted to slide both horizontally and vertically, a member having a rocking and laterally sliding motion to operate said tracing pin carrying member, and manipulative means for operating said rocking and sliding member.

1,539,484. ELECTRIC-LAMP-SUPPORTING STRUCTURE. MAX HERSKOVITZ, Chicago, Ill., assignor to Peerless Light Company, Chicago, Ill., a Corporation of Maine. Filed Jan. 21, 1922. Serial No. 530,824. 12 Claims. (Cl. 240—78.)



1. In an electric-socket-equipped structure, the combination of a hollow supporting member formed of sections, one of said sections presenting a boss containing a recess in its outer surface, and the other of said sections having a lug which extends into said recess and an electric-bulb-receiving socket rotatable on said boss and overlapping said lug.

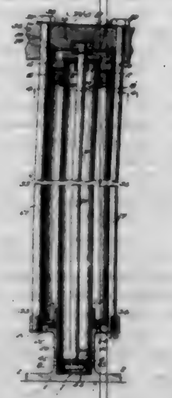
1,539,485. VAPORIZING APPARATUS. CHARLES E. HODLICK, Chicago, Ill., assignor to Sharp & Smith, Chicago, Ill., a Corporation of Illinois. Filed May 15, 1922. Serial No. 561,152. 2 Claims. (Cl. 128—192.)



1. A device of the character described consisting of a lower cylindrical single wall open portion of a size and shape to fit over the bulb of an electric light fixture and enclose the lower portion of the same, and a double wall portion extending vertically from said single wall portion, said double wall portion being adapted to completely enclose the upper portion of the bulb when the device is placed thereover, the space between said double walls providing a closed chamber to hold a substance to be vaporized.

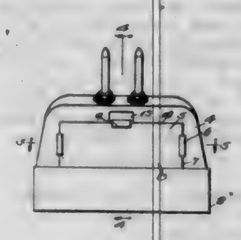
1,539,486. AIR PUMP. MICHAEL B. HOLSTEIN, Richland, Pa. Filed June 11, 1924. Serial No. 719,331. 8 Claims. (Cl. 230—27.)

1. An air pump including a base, a high pressure stationary cylinder having its lower end connected to said base, a stationary piston closing the upper end of said cylinder, a sleeve slidably arranged on the periphery of said cylinder, a cup at the upper end of said sleeve, a low pressure cylinder having the lower portion of its periphery smooth and extending into said cup, a compressible washer arranged in the cup and engaging the lower end of the low pressure cylinder, an apertured plate arranged at the upper end of the low pressure cylinder and forming a cap for the latter, a handle ar-



ranged above the cap, and tie rods extending through the handle and in threaded connection at their lower ends with said cup.

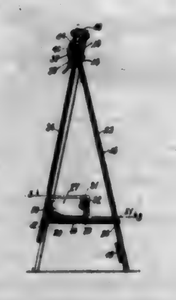
1,539,487. NAME-PLATE-HOLDING MEANS. HUGO HORNICK, Chicago, Ill., assignor to Haber Die and Stamping Company, Chicago, Ill., a Corporation of Illinois. Filed May 21, 1924. Serial No. 714,811. 4 Claims. (Cl. 40—20.)



1. A sheet metal article to which a plate is to be attached, a pair of oppositely disposed struck up lugs for receiving the plate between them and beneath which the plate can be entered in one direction only, the article provided with a slot adapted to be positioned beneath the plate when set, a bendable strip arranged in the slot and having its ends, one within and one without the article, in contact with the inner and outer surfaces of the article, the plate adapted to be passed over the outer end of the strip while being positioned beneath the struck up lugs, and the outer end of the strip adapted to be bent around and over the adjacent edge of the plate for mutual interlockment in position.

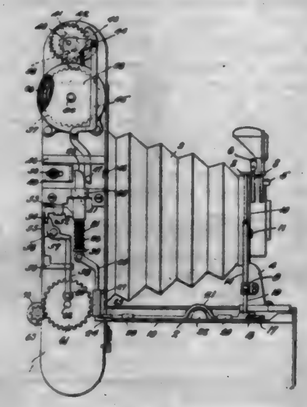
1,539,488. EASEL. HELEN M. HOWELL, Los Angeles, Calif. Filed Jan. 6, 1925. Serial No. 815. 2 Claims. (Cl. 45—129.)

1. An easel comprising, in combination, spaced parallel main legs, cross members superposed on said main legs adjacent the upper and the lower ends thereof to retain the same in fixed relation, spaced parallel brace legs pivotally connected to the said main legs adjacent the top thereof, the outer edges of said brace legs being adapted to fall between the inner edges of the main legs, a cross member superposed on the lower ends of said brace legs and being adapted to fall into the plane of and below the lower first-named cross member when the easel is folded, a brace, narrower than the distance between



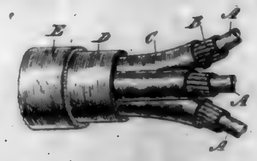
said brace legs, pivoted to said lower first-named cross member and having upwardly sliding connection with respect to the inner edges of said brace legs, and means on the upper end of said easel to hold the article to be supported thereon, lying between and in the thickness of said first-named cross members.

1,539,489. CAMERA ATTACHMENT. AUSKER E. HUGHES, RALPH K. NEWTON, and RUFUS T. NEWTON, Graham, Va. Filed Oct. 2, 1923. Serial No. 666,166. 4 Claims. (Cl. 242—71.)



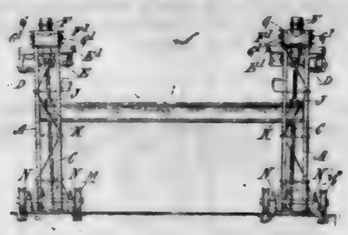
1. In a camera, a winding shaft, spring means for operating the winding shaft, an escapement controlling the rotation of the winding shaft responsive to the spring means, a plunger for co-operating with the escapement to hold the winding shaft against rotation, means under the control of an operator, for moving the plunger out of engagement with the escapement, spring means for moving the plunger into engagement with the escapement, a latch cooperating with the plunger to hold the plunger out of engagement with the escapement, a lever coacting with the latch to withdraw the latch, spring means for advancing the latch, a rotary member driven by the film proceeding to the winding shaft, and a pitman operated by the rotary member and constituting means for operating the lever to withdraw the latch.

1,539,490. MANUFACTURE OF ELECTRIC CABLES. PHILIP VASSAR HUNTER, London, England. Filed Dec. 13, 1922. Serial No. 606,714. 1 Claim. (Cl. 173—264.)



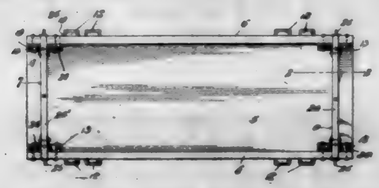
A method of impregnating the insulation of an electric cable in which after the impregnation process has proceeded for a sufficient time the core or conductor is cooled by means of a cooling medium, such for example as refrigerated brine passed through the interior of the cable.

1,539,491. LOCOMOTIVE HOIST AND THE LIKE. PHILIP DENIS IONIDES, Ipswich, England, assignor of one-half to Ransomes & Rapier Limited, Ipswich, England, a British Company. Filed Nov. 17, 1924. Serial No. 750,438. 14 Claims. (Cl. 104—32.)



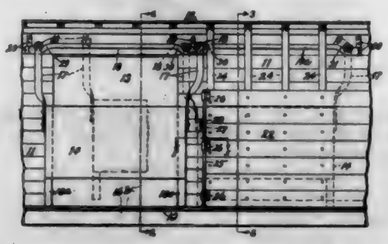
5. In a locomotive hoist the combination of a pair of standards, a rotatable screw-threaded shaft suspended from the upper end of each standard, an independent driving for each shaft, a nut carried by each screwthreaded shaft, a transverse beam removably connected to each screwthreaded shaft and a seating near each end of the beam adapted so as to cooperate with the nut that the beam can rock relatively to the standards and relatively to each screwthreaded shaft.

1,539,492. FRONT AND REAR END GATE FOR WAGON BOXES. RALPH X. JEFFERIS, Millboro, S. Dak. Filed Jan. 22, 1923. Serial No. 614,079. 1 Claim. (Cl. 296—52.)



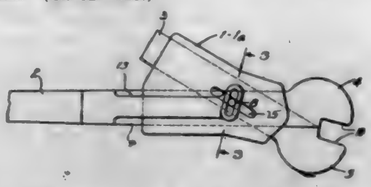
A wagon box end gate structure comprising plates adapted to be applied to the side boards of the body, said plates being of uniform design and configuration and each plate having a vertically disposed channel adapted to receive a cleat applied to the side boards, the edge of the channel extending the full vertical length of the plate, the plate being provided with a second channel the side edge of which is spaced from the first mentioned channel, the second mentioned channel extending from the upper edge of the plate to a point between the upper and lower edges thereof, the plate being provided at a point below the lower edge of the second mentioned channel with a slot, the second mentioned channel adapted to receive a cleat applied to the side board of the body, and an end gate composed of sections hingedly connected together, the upper section adapted to be received between the said channels and the lower section having upon its outer side cam levers, the cam portions of which are adapted to be swung into the slot of the plate whereby the sections of the end gate are held in vertical alignment between the side boards when the gate is in a closed position and the upper section of the end gate may be retained in a vertical position between the side boards of the body when the cam levers are disengaged from the slot and the lower section of the end gate may swing outwardly with relation to the bottom of the body.

1,539,493. GRAIN DOOR. CHARLES A. JOHNSON, Superior, Wis. Filed Apr. 26, 1923. Serial No. 634,770. 2 Claims. (Cl. 20—31.)



2. A grain car having a door opening and a horizontally slidable door for closing the opening, said door having in its lower edge a gap forming a starting outlet for the grain, and above said gap a cavity in the outer side of the door; a plate slidable up and down in the cavity for closing the gap to any desired extent, a leaf spring fixed on the door and pressing on the adjacent side of the plate to hold it frictionally in desired positions and arranged to also engage and hold it firmly in its fully closed position.

1,539,494. WRENCH. IRWIN P. KIMBALL, Los Angeles, Calif. Filed Oct. 29, 1923. Serial No. 671,448. 1 Claim. (Cl. 81—128.)



In an open-end wrench, two bars arranged at an angle to each other, jaws on one end of said bars respectively, a sleeve through which said bars extend, there being a slot in said sleeve extending parallel to the axis of one of said bars, an arm on the outer bar having a slot extending transversely thereof at a slight angle, and a pin secured in the other bar and extending through said slots.

1,539,495. STEERING-WHEEL LOCK. ALVAN R. LAMBERT, Anderson, Ind. Filed July 8, 1921. Serial No. 483,190. 1 Claim. (Cl. 70—129.)

The combination with a steering-shaft having a threaded projection on its upper end and a hand-wheel loosely mounted thereon, the hand-wheel and steering-shaft being provided with registering keyways, of a lock-casing secured on said threaded projection, a lock-barrel containing key-operated mechanism mounted in said lock-casing, said key-operated mechanism having a gear-wheel secured thereto in alinement with said steering-shaft, and a lock-bar mounted also in said lock-casing and guided therein for vertical movement and provided at one end with teeth to engage said gear-wheel and having its other end constructed to form a bolt adapted to enter said registering key-ways to lock the steering-wheel to the steering-shaft.

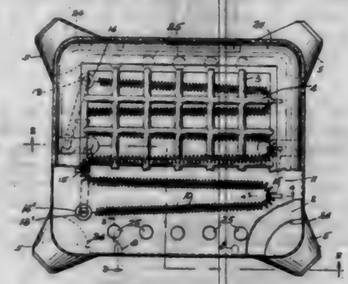


1,539,496. CONSTRUCTION BOLT. EDWIN R. LINEHAN, River Falls, Wis. Filed Mar. 3, 1924. Serial No. 696,550. 2 Claims. (Cl. 85—7.)



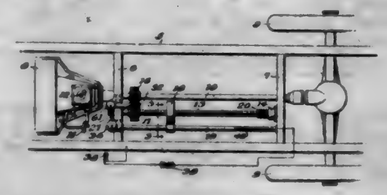
1. A headed construction bolt having spaced from its head a diametrical, slotted aperture, and a flat wedge shaped key adapted to be inserted in the aperture for the purposes set forth, and means secured on the key and adjustably engaging one side of the bolt to prevent accidental retraction of said key from the aperture.

1,539,497. ELECTRICAL HEATING DEVICE. ANTONIO LONGORIA, Cleveland, Ohio, assignor to The W. B. McAllister Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,022. 18 Claims. (Cl. 219—37.)



1. In a device of the character described, the combination of a frame member provided with a perforated supporting surface, a depending flange along the sides of said surface and a plurality of legs depending from such flange, a bottom plate engaging within and between such flanges on said frame member, and a heating element mounted between said frame member and said plate, said bottom plate being provided with openings adjacent each of said legs on said frame member, whereby air may pass upwardly along said legs to said heating element.

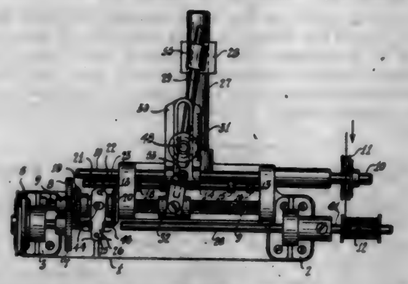
1,539,498. AUTOMOBILE LOCK. JOHN S. MERENNA, Brooklyn, N. Y., assignor of thirty-five one-hundredths to Abraham Spinner, Brooklyn, N. Y., and fifteen one-hundredths to Herbert B. Moses, Washington, D. C. Filed Feb. 20, 1923. Serial No. 620,258. 42 Claims. (Cl. 188—31.)



1. In an automobile locking mechanism, the combination with a driven wheel, of a power-operated mechanism for driving said wheel, and manually controlled means operable from the driver's seat for effecting the locking of said power-operated driving mechanism against further movement upon the completion of a predetermined number of revolutions of said driven wheel, said manually-controlled means including a locking member carried by a counter shaft mounted in parallel relation with said power-operated mechanism.

41. In combination, a vehicle, and reciprocating means to lock said vehicle against movement after a predetermined distance has been travelled by the vehicle, means to cause said reciprocating means to effect locking of wheels on both sides of said vehicle after moving a given distance in one direction, and means to cause said locking means to effect locking thereof after moving a given distance in the other direction.

1,539,499. COIL-WINDING MACHINE. THOMAS E. MOLDON, Toronto, Ontario, Canada. Filed July 11, 1923. Serial No. 650,965. 2 Claims. (Cl. 242—9.)

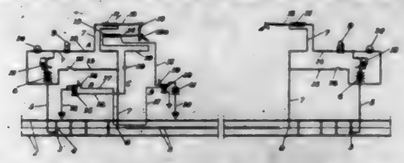


1. A coil winding mechanism comprising, a bobbin, means for rotating said bobbin, a filament guiding means adapted to be moved laterally with respect to said bobbin, a screw for moving said filament guiding means, a rod adapted to be rotated about an adjustable supporting pivot by means of said screw, and means for articulating said guiding means with said rod at selected points along the longitudinal axis thereof to increase or decrease the pitch of the winding.

1,539,500. AUTOMATIC ELECTRIC BRAKE SET. PETER W. MOSHER, Stockton, Calif. Filed Oct. 17, 1924. Serial No. 744,175. 7 Claims. (Cl. 246—68.)

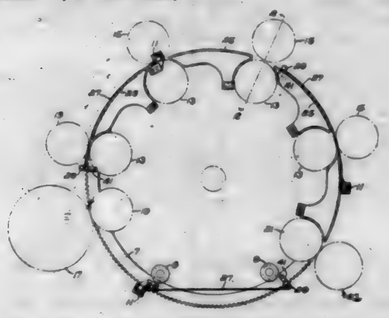
4. An automatic brake setting system for railway vehicles comprising normally open circuit means on separated vehicles, brake actuating means arranged in the circuits and operating when the circuits are closed, means causing said circuits to be automatically closed when the vehicles approach to within a predetermined distance of each other, auxiliary brake actuating means

mounted on one vehicle and operating automatically if the main circuit on said vehicle is internally broken, and circuit means closed only upon the operation of the



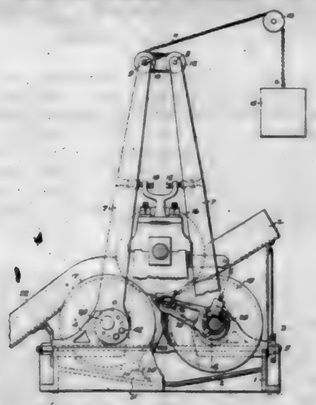
auxiliary means and functioning in connection with the first named means for causing the main circuit on the other vehicle to be closed irrespective of the break in the main circuit of the one vehicle.

1,539,501. SHEET CONTROL FOR PRINTING PRESSES AND THE LIKE. JOHN P. E. NEILSON, Quincy, Mass., assignor to Meisel Press Manufacturing Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 4, 1922. Serial No. 541,206. 20 Claims. (Cl. 101—183.)



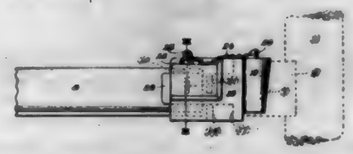
1. In a device of the class described, a sheet support, means for drawing a sheet forward over said support by engagement with the leading edge thereof and yieldable means extending rearwardly over the sheet from said drawing means and adapted to be displaced by the support thereby to smooth the sheet over the support.

1,539,502. SUGAR MILL OR CANE CRUSHER. ROBERTO T. E. OKRASSA, Antigua, Guatemala. Filed May 3, 1923. Serial No. 636,486. 4 Claims. (Cl. 100—47.)



1. A crusher for cane mills, comprising three crushing rollers arranged in a triangle, a pair of levers connected with each of the two lower rollers, means including a flexible member and weight acting thereon co-acting with said levers and rollers for automatically causing the levers to swing the lower rollers toward and from each other, and means for guiding cane to said rollers.

1,539,503. BED-RAIL FASTENER. ENOCH D. PARRISH, Harrisonville, Mo. Filed May 8, 1924. Serial No. 711,804. 1 Claim. (Cl. 5—300.)



In a device of the type described, a post having a socketed fastener element carried thereby, a side rail, a head secured to said rail and having a longitudinally extending bore formed therein, longitudinally spaced holes extending from opposite sides thereof inwardly to said bore, and a vertically extending pocket formed in the outer face thereof extending in the direction of the said holes, a tapered plug received in the socket of said fastener element, a plate received in the vertical pocket and formed integrally with said plug, a stud received in said bore and having a pair of spaced wells entering the same from one face thereof, said stud being integral with said plate, said wells being positioned in axial alinement with either one or the other of said holes in the head when the stud is received within said bore, a removable pin receivable in the alined hole and well for retaining said stud in the bore of said head, and a section of chain connected to said tapered plug and removable pin for preventing the latter from becoming separated from the plug.

1,539,504. CONNECTION PLUG. FRANK E. PETRI, Peoria, Ill. Filed Feb. 4, 1924. Serial No. 690,488. 2 Claims. (Cl. 173—359.)

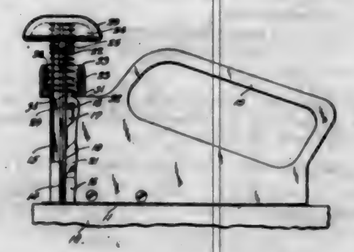


1. In an attachment plug the combination of an insulating handle portion, a reinforcing contact ring imbedded therein, a threaded sleeve portion provided with bayonet joint connecting means cooperating with the contact ring, a terminal carrying portion retained in place by the threaded sleeve portion, a contact band carried by the terminal contact portion cooperating with the contact ring of the insulated handle portion when the plug is attached to a socket.

1,539,505. STAPLING MACHINE. FRIDOLIN POLERR, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed May 21, 1924. Serial No. 714,805. 1 Claim. (Cl. 1—2.3.)

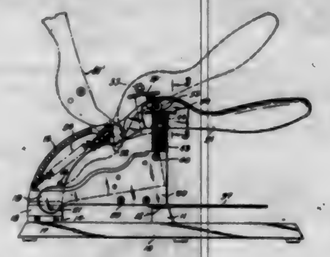
In a stapling machine, a housing, a plunger for driving the individual staples slidably mounted in said housing, a concavo-convex cap for direct manual operation secured to the upper end of the plunger for operating said plunger, a spring embracing the plunger and tending to move it to its upper position, and an inde-

pendent cup shaped member having an opening in its bottom wall for passage of the plunger and tubular side walls to embrace said spring, the lower end of said cup being arranged to engage the housing and the upper



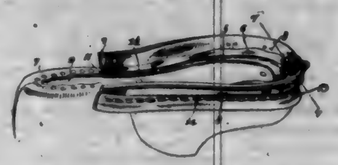
end arranged to engage the under side of the cap at a substantial distance from its center to limit the movement of the plunger and support the cap to prevent breaking of the connection between the cap and plunger.

1,539,506. STAPLING MACHINE. FRIDOLIN POLERR, Norwalk, Conn., assignor to The E. H. Hotchkiss Company, Norwalk, Conn., a Corporation of Connecticut. Filed Sept. 25, 1924. Serial No. 739,782. 7 Claims. (Cl. 1—2.3.)



1. In a stapling machine, a base, an anvil mounted on the base, a pivoted housing, a plunger mounted in the housing and adapted to coact with said anvil to set the staples, a pivoted lever, a connection between the lever and said plunger for operating the latter, and a connection between the lever and housing for lifting the latter to permit insertion of articles to be connected between the housing and anvil, said lever being movable to an ineffective position to permit direct operation of the plunger.

1,539,507. METHOD OF MAKING SHOES. ADAM H. PERNERT, Halifax, Pa. Filed Oct. 16, 1923. Serial No. 668,877. 3 Claims. (Cl. 92—142.)



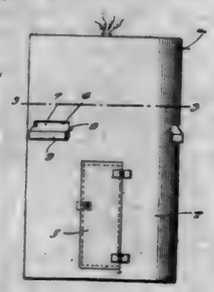
2. The method of making shoes which comprises the steps of cutting an insole to produce an outstanding flange around the entire sole excepting the heel seat, molding the insole to crease it on a line in continuation of the edge of the heel seat and produce an upstanding flange, channelling the insole substantially coextensively with the upstanding flange, applying an upper structure, temporarily fastening a portion of said structure to the front of the flange and lasting the rear portion thereof over the heel seat in back of the flange and said channel, applying a welt strip outside of the shoe substantially coextensive with the flange, running an inseam through the channel beneath the crease through the upper structure and said welt strip to permanently secure all together, trimming off the surplus material above the inseam including said temporary fastening means, applying an outsole and fastening said outsole to the welt strip by means of an outseam.

1,539,508. BELT BUCKLE. ADOLPH H. RISTEEL, Attleboro, Mass., assignor to Morse Andrews Company, Attleboro, Mass., a Corporation of Massachusetts. Filed July 1, 1924. Serial No. 723,537. 8 Claims. (Cl. 24—191.)



8. A buckle comprising a body portion, a clamping member formed of a channel bar, filler plates having gripping edge portions, said plates being located between the walls of said bar and formed integral therewith, and a bail member pivoted in said clamp.

1,539,509. GUARDHOUSE. WILLIAM RING, Detroit, Mich. Filed Jan. 3, 1925. Serial No. 410. 2 Claims. (Cl. 89—36.)

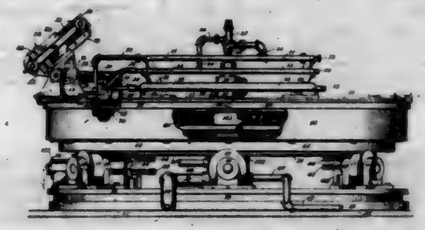


1. A guard house comprising a substantially cylindrical tower of bullet proof material, and closed at its respective ends, a door in the wall of the tower whereby access to the interior thereof may be had, said tower having a plurality of port holes formed in the wall thereof at spaced intervals, and a closure for each port hole, the same comprising a plate, the intermediate portion thereof being disposed within the port hole, the ends of the intermediate portion of the plate being disposed in notches formed in the respective ends of the port hole to facilitate the swinging movement of the plate the outer portions of each plate being disposed downwardly on the outside of the wall of the tower, the inner portion of each plate being disposed upwardly adjacent the inner wall of the tower.

1,539,510. APPARATUS FOR MOLDING ARTICLES. THEODORE C. ROBERTS, New York, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Aug. 27, 1920. Serial No. 406,450. 29 Claims. (Cl. 18—5.6.)

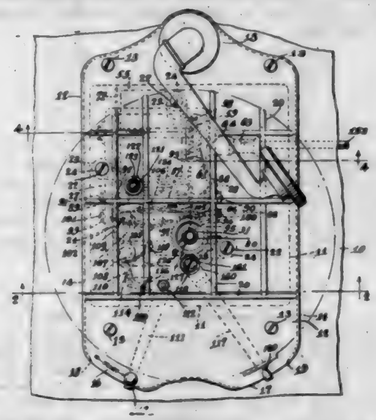
1. A multiple pressing machine, comprising a conveyor and including cooperating platens adapted to have relative automatic movement between them to expose both

faces in the open position of the press carrying a plurality of identical tilting-head pressing units in which the record material is treated in its various stages simultaneously.



4. In an apparatus for making pressed articles, means for controlling the flow of heating and cooling media to each pressing unit, comprising a cam rail having a plurality of elevations, a cam rod roller, a cam rod which is arranged to move vertically in bearings attached to the revolving conveyor, said vertical movement of the cam rod actuating mechanism which opens and closes said valves for the admission and discharge of the heating and cooling media.

1,539,511. SPRING MOTOR. THEODORE C. ROBERTS, New York, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed May 5, 1921. Serial No. 467,113. 59 Claims. (Cl. 185—37.)



1. The combination in a motor, of a frame having a base and projecting side portions, a horizontal spring shaft supported by the side portions, power spring means supported upon the spring shaft, a gear journaled upon the spring shaft adapted to be driven by the spring means, a vertical shaft journaled in the frame, a horizontal intermediate shaft journaled in the frame between the spring shaft and the vertical shaft, the gear on the intermediate shaft meshing with the spring-driven gear, worm gears between the intermediate shaft and the vertical shaft, and a governor geared to the vertical shaft.

1,539,512. METALLIZED ROOFING MATERIAL. THOMAS ROBINSON, New York, N. Y., assignor to Anaconda Sales Company, a Corporation of Delaware. Filed Dec. 11, 1922. Serial No. 606,339. 4 Claims. (Cl. 91—68.)

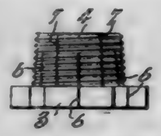
1. A roofing material comprising a non-metallic composition base having a coating of finely divided metallic particles bound to the surface of the base by a binding medium having a cellulose base.

4. A method of preparing roofing material which comprises applying a coating of a binding vehicle of the cellulose ester type to the surface of a non-metallic com-



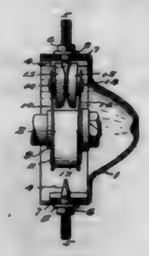
position base, and spraying metallic particles over the surface coated with the adhesive to form a substantially continuous layer of metal.

1,539,513. LOCK NUT. WALTER T. ROSS, Vancouver, British Columbia, Canada. Filed Mar. 25, 1924. Serial No. 701,794. 3 Claims. (Cl. 151—19.)



1. A nut lock, comprising a nut member threaded internally to fit the bolt and radially slit from each end to adjacent the other end, and means for compressing the several slit segments of the nut member on the thread of the bolt.

1,539,514. IGNITION TIMER FOR INTERNAL-COMBUSTION ENGINES. JOSEPH SACHS, Hartford, Conn. Filed Jan. 25, 1922. Serial No. 531,579. 1 Claim. (Cl. 200—24.)

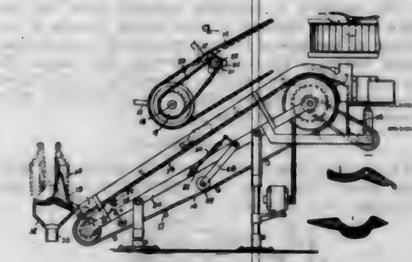


An ignition timer comprising a casing, blades extending inwardly from the peripheral wall of the casing, said blades being insulated from the casing and having stems extending to the exterior of the casing, a sleeve adapted to be fitted upon an engine shaft, said sleeve having a projection from one side, yielding plates attached to the sides of said projection and embracing the sleeve and projecting substantially parallel outwardly from the sleeve on the side opposite to said projection, and a disk rotatably mounted on the inside of the free end of each yielding plate diametrically opposite to the point of attachment of the plate to the projection from the sleeve, said disks being pressed together axially and adapted to, when the sleeve is rotated in he case, wipe across both faces of said blades.

1,539,515. CONVEYER FOR GLASSWARE. ALEXANDER SAMUELSON, Terre Haute, Ind., assignor to Chapman J. Root, Terre Haute, Ind. Filed Apr. 7, 1924. Serial No. 704,703. 11 Claims. (Cl. 198—22.)

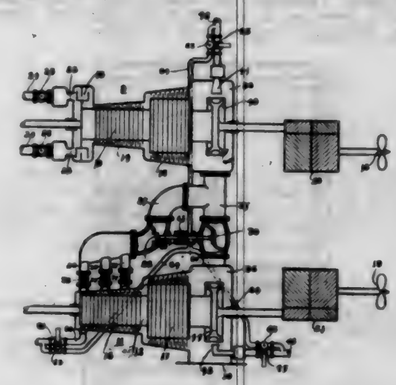
1. A conveyer construction for bottles after they have been formed and before they are cold having a movable conveyer belt, means thereon for catching the bottles and holding them with their axes extending longitudinally of

the belt as they are conveyed thereby, and means for preventing a predetermined undesirable longitudinal holding of the bottles by the aforesaid means.



4. A conveyer for bottles after they have been formed and before they are cold having a movable conveyer belt, means thereon adapted to engage the bottles and hold them while they are being conveyed, and means for agitating the belt to intermittently separate the bottles from the belt surface.

1,539,516. MARINE TURBINE. HENRY F. SCHMIDT, Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 7, 1921. Serial No. 450,239. 8 Claims. (Cl. 60—70.)

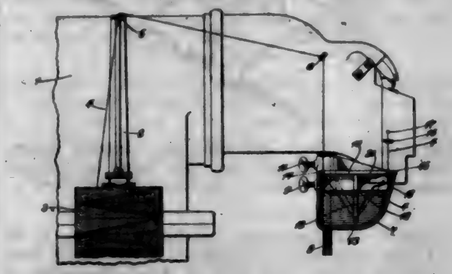


1. A turbine installation comprising a high-pressure turbine unit, a low-pressure turbine unit having blading at its high-pressure end progressively increasing in length and shorter than the low-pressure blading of the high-pressure unit, means for discharging motive fluid from the high-pressure unit to blading of the low-pressure unit of different lengths whereby operation at different speeds with equal division of power is secured.

1,539,517. PROCESS FOR TANNING. OTTO SCHMIDT, Ludwigshafen-on-the-Rhine, Germany, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany, a Corporation of Germany. Filed Aug. 27, 1921. Serial No. 495,955. 5 Claims. (Cl. 149—4.)

5. As a composition of matter a tanning preparation containing an organic sulfonic acid capable of tanning hides and of precipitating glue from its aqueous solution, and a condensation product derived from a carbonyl compound other than a carboxylic acid, and an unsulfonated phenolic body "in a water-soluble condition."

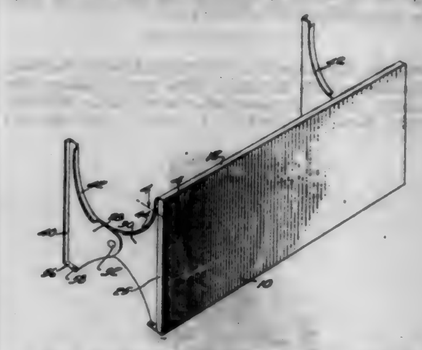
1,539,518. THREAD-WAXING DEVICE FOR SEWING MACHINES. JOHN SCHREIBER, St. Louis, Mo. Original application filed May 21, 1921, Serial No. 471,314, now Patent No. 1,440,556, dated Jan. 2, 1923. Divided and this application filed Dec. 11, 1922. Serial No. 606,082. 6 Claims. (Cl. 91—32.)



1. In a sewing machine, a wax receptacle, a cover for the receptacle, an arm in connection with said cover extending downwardly into the receptacle, a web rigid with the cover within the receptacle, and a spring within the receptacle for engaging and pressing the thread against said web to remove excess quantities of wax from the thread passing through the receptacle.

4. In a sewing machine, a wax receptacle, a cover for the wax receptacle, one of said parts being provided with an inlet opening for the thread and one of said parts being provided with an outlet opening for the thread, a guide in rigid connection with one of said parts for guiding the thread toward the bottom of the receptacle, a web in rigid connection with one of said parts between said guide and the outlet opening for the thread, and a spring attached to said web for scraping wax from the thread passing between said web and said spring.

1,539,519. FOLDING TIRE-DISPLAY HOLDER. EDWIN A. SHANK, Brooklyn, N. Y. Filed May 1, 1924. Serial No. 710,228. 2 Claims. (Cl. 211—24.)

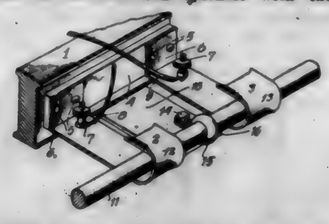


1. In a sheet metal tire holder, a marginally flanged panel, two tire supports, each made in two parts pivotally connected together and one of the parts of each of said tire supports having a folded pivotal connection with the panel at the end of the panel, whereby the supports may be folded flat on the panel and are ready for use directly upon being unfolded.

1,539,520. SPOTLIGHT SHIFT. CHARLES F. SHEAFFER, Oklahoma City, Okla. Filed Nov. 13, 1923. Serial No. 674,435. 1 Claim. (Cl. 240—7.)

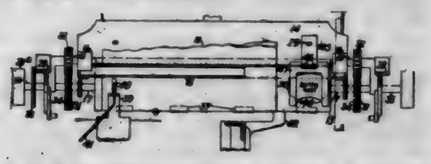
An attachment of the character described, embodying clips for attachment to the axle of a motor vehicle, a

member for application to and movable with the steering mechanism of the car and operable with the latter



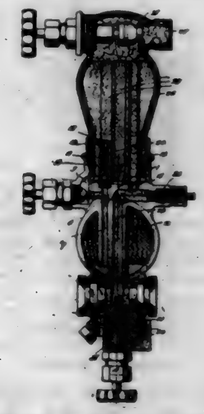
and movable between said clips, and electrical connections between said clips and spot lights on the car, normally out of operative relation with said clips.

1,539,521. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Dec. 9, 1921. Serial No. 521,089. 5 Claims. (Cl. 197—135.)



1. In a front-strike typewriting machine, a revoluble platen, a platen-frame, and a one-piece card-holder consisting of a U-shaped member curved to conform to the periphery of said platen and being self-acting to hold a card firmly against the front face of said platen, said member being inverted and extending below the printing line on said platen and being secured to said platen-frame at one end thereof, to be wholly outside of the bounds of the typewriter frame when the platen is in a position corresponding to its limit of travel, to eliminate interference to movement accompanying an upward thrust of the card to printing position from a point below the printing line on said platen.

1,539,522. LUBRICATOR. W EARL SNYDER, Norwood, Ohio, assignor to The Edna Brass Mfg. Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 29, 1924. Serial No. 740,437. 8 Claims. (Cl. 184—51.)



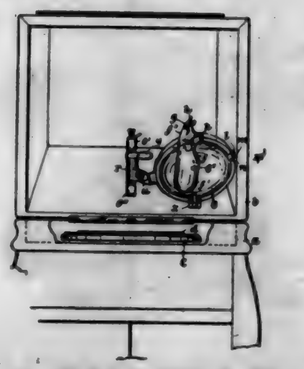
8. A condensation displacement lubricator having a passage leading laterally, then downwardly from the bottom of the condensation chamber, closed at its lower end, a second passage adjacent the first leading from the bottom of the conduit chamber to a point adjacent the bottom of the oil chamber, a cross passage connecting the first and second passages at a point intermediate the chamber, a manually operable valve for controlling the cross passage, a valve casing forming a prolongation of the second passage within the condensation chamber having a check valve therein, for closing the lower end of the casing and second passage, and adapted to be opened by super-pressures in the oil chamber, when the cross passage is closed by its valve.

1,539,523. MAILING BOX. OSCAR T. SPRAGGINS, Memphis, Tenn. Filed June 21, 1922. Serial No. 570,029. 2 Claims. (Cl. 229—47.)



1. A paper box having a window opening in the top thereof, provided with a reversible address card in the rear of said opening, a foldable end, a flap extending therefrom adapted to pass beneath said top and above said reversible address card and a fastener extension adapted to be reversibly bent to engage a portion of said top marginal to said opening to seal said box and thereby secure said reversible card against removal.

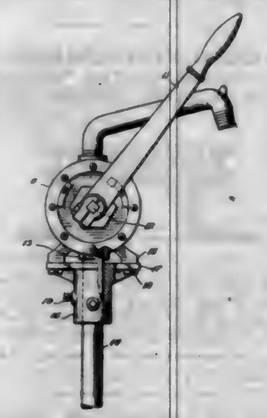
1,539,524. PHONOGRAPH MACHINE. GASTON STROBINO, Paterson, N. J. Filed Oct. 22, 1921. Serial No. 509,656. 3 Claims. (Cl. 274—25.)



3. In a mounting for the horizontally swinging transmitter of a phonograph machine, the combination of opposite upper and lower spaced supporting members and, betweeen them, a horizontally swinging member, the swinging member having a pivoting engagement with one of the supporting members, and a pivot device arranged between the other supporting member and swinging member, one of the latter two members having a pivot-bearing for said device and the other a slot affording a pivot bearing for said device and confining said device against movement transversely thereof while allowing tilting of said device therein lengthwise of the slot.

1,539,525. PUMP-SUPPORTING BRACKET. HENRY M. SUNNES, Chicago, Ill., assignor to Force Pump Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 14, 1925. Serial No. 2,399. 2 Claims. (Cl. 103—218.)

1. The combination with a pump subjected to lateral strains, and a suction pipe connected to the pump, of a bracket secured to the pipe at a distance from the connection between pipe and pump, said bracket being supported by the pipe and secured to the pump so that



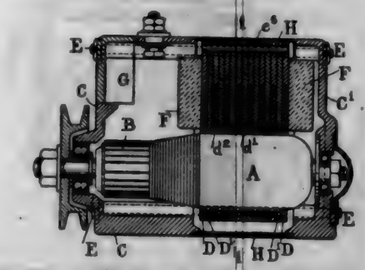
strains applied to the pump will be conveyed to the pipe at a distance from the connection between pipe and pump.

1,539,526. DOUBLE PLIERS. CHARLES R. SWICKARD, Columbus, Ohio. Filed Feb. 9, 1925. Serial No. 7,812. 2 Claims. (Cl. 294—30.)



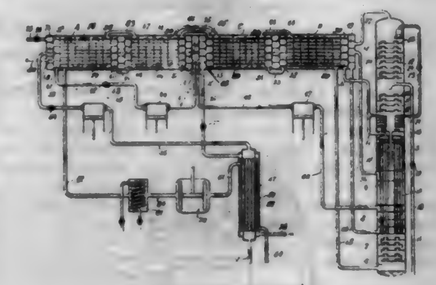
1. An instrument of the kind described comprising two pairs of pincher members placed side by side on a pivoting member common to both pairs, said pivoting member adapted to prevent lateral oscillation of the pincher members relative to each other.

1,539,527. ELECTRIC GENERATOR. JAMES WALKER TORRANCE and JOHN MCKINNON TORRANCE, Failsworth, England. Filed June 13, 1921. Serial No. 477,163. 1 Claim. (Cl. 171—209.)



In a field magnet system for electric generators built up of a number of plates or stampings the combination with a magnetic coil of a set of plates of approximately rectangular shape with holes in the corners, a second set of plates of approximately rectangular shape with holes in the corners and a gap formed along one edge, the second set of plates alternating with the first set, a depending member projecting inwards from each of the plates of the first set, a set of coil carrying plates, a second set of coil carrying plates alternating with the first, means for clamping the two sets of coil carrying plates together, means for clamping the coil carrying plates to the frame plates, pole shoes formed on the ends of the coil carrying plates, end plates and bolts passing through the end plates and the holes in the approximately rectangular plates to clamp the latter to the end plates.

1,539,528. METHOD OF SEPARATING THE CONSTITUENTS OF GASEOUS MIXTURES. CLAUDE C. VAN NUYS, New York, N. Y., assignor to Air Reduction Company, Inc., a Corporation of New York. Filed Sept. 9, 1920. Serial No. 409,196. 22 Claims. (Cl. 183—115.)



1. A method of separating the constituents of a gaseous mixture by liquefaction which comprises, compressing and cooling the mixture, subjecting it to selective liquefaction by indirect contact with colder products thereby producing a liquid containing the constituents and a residual gas, subjecting the liquid to rectification with vapors of preceding portions thereof, withdrawing and dividing the residual gas, liquefying non-selectively a regulated portion thereof and subjecting said vapors to final contact with the liquefied residual gas.

1,539,529. BRAKE ANCHOR. CLEVELAND J. WILKINSON, Ventura, Calif. Filed Dec. 12, 1922. Serial No. 606,554. 8 Claims. (Cl. 188—77.)

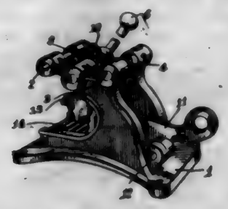


1. In a device of the character disclosed, the combination with a brake band, of an anchor plate, and means between the anchor plate and ends of the brake band for securing said brake band to the anchor plate; said means including a bearing member, a portion of which is serrated.

1,539,530. ANTISKID-CHAIN TOOL. DONALD C. WOODWORTH, Lewiston, Me. Filed Dec. 29, 1923. Serial No. 683,428. 5 Claims. (Cl. 81—15.)

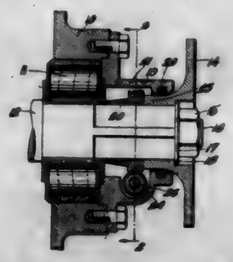
1. In an antiskid chain tool a fixed member carrying an opening wedge, a swinging member carrying a pulling

hook, an adjustable connection between the pivot of the swinging member and the fixed member, a lever pivoted



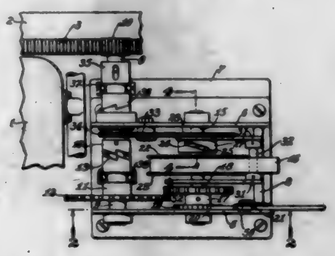
to the fixed member and an actuating connection between the lever and the swinging member, all in combination with each other.

1,539,531. SPEEDOMETER-DRIVING MECHANISM. THOMAS DONALD ADAIR, Jr., Atlantic, Mass., assignor to Standard Thermometer Company, Portland, Me., a Corporation of Maine. Filed June 14, 1924. Serial No. 720,038. 6 Claims. (Cl. 74—7.)



1. Speedometer driving mechanism having, in combination, a transmission case, a supplemental housing, a driving shaft mounted in the transmission case and extending into the supplemental housing, a worm secured on the driving shaft within the supplemental housing, a worm wheel provided with a hub extended axially in both directions from the wheel, said worm wheel having a spindle bearing therein extending from end to end of the hub, a spindle pin supported in the supplemental housing and extended into the bearing of the worm wheel, and a speedometer drive shaft, said worm wheel hub being provided with a coupling connection or extension on the opposite end of the hub from the spindle pin.

1,539,532. ENGINE-STARTING MECHANISM. WALTER ADRIAN, Wardsville, Mo. Filed Mar. 1, 1922. Serial No. 540,375. 10 Claims. (Cl. 185—41.)



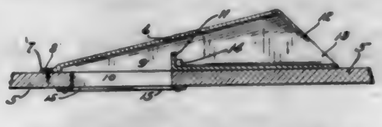
1. A starter for internal combustion engines, comprising, a shaft geared to the engine, a spring motor, gearing adapted to connect said motor with said shaft for driving the same, connections from said shaft to said motor for rewinding said motor, and means for simultaneously releasing said connections and engaging said gearing adapted to disengage said gearing and reestablish said connections to rewind said motor when the engine starts.

1,539,533. VAULT-LIGHT LENS FRAME AND HOLDER. EMANUEL J. ALFIERES, New York, N. Y. Filed Nov. 7, 1924. Serial No. 748,368. 5 Claims. (Cl. 94—29.)



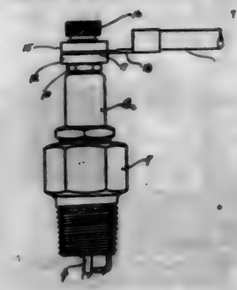
1. A vault light lens frame and holder, comprising a frame having a body portion provided with an internal shoulder, the said body portion having downwardly extending spaced legs, and a removable holder mat for the frame having means constructed to engage the lower ends of the said legs.

1,539,534. VEHICLE VENTILATOR. IVAN D. ANGELL, Minneapolis, Minn. Filed June 18, 1924. Serial No. 720,808. 3 Claims. (Cl. 98—22.)



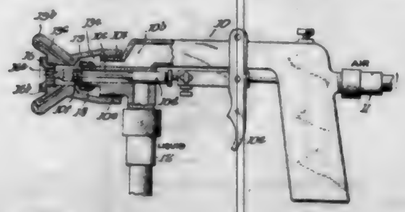
1. A ventilating device in the form of a shell that flares rearwardly in longitudinal section and terminates at its front end approximately in an edge, said shell at its rear end having a depending rearwardly inclined transverse baffle flange and below said baffle flange a transverse air passage, said shell having a closed bottom with a large air passage at its front end and at the rear of said passage a raised baffle flange.

1,539,535. SPARK INTENSIFIER. GILBERT BAKER, Detroit, Mich. Filed Oct. 17, 1924. Serial No. 744,127. 3 Claims. (Cl. 123—148.)



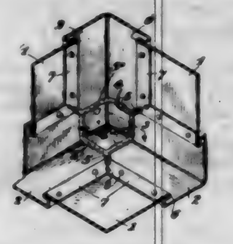
1. An intensifier of the class described comprising a non-conducting disk; a neck projecting outwardly from one face of said disk, and having a plurality of radially extending slots formed therein, said disk and neck having a centrally disposed opening formed therein, said slots communicating with the opening in said neck; and a non conducting washer adapted for mounting on said neck, said washer having an opening formed centrally therein for the reception of said neck.

1,539,536. SPRAY GUN. HOWARD G. BARTLING, Chicago, Ill., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1922. Serial No. 603,057. 2 Claims. (Cl. 91—45.)



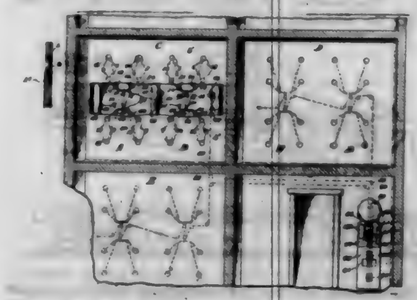
1. In combination in a spray gun, a cap having a main air passage duct and auxiliary flattening air ducts, and an easily removable nozzle member having an orifice therethrough and engageable with said cap, said orifice forming an outlet for said main air passage duct.

1,539,537. SAFE CORNER CONSTRUCTION. CHARLES J. BATES, Jr., Englewood, N. J., assignor to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed Jan. 7, 1924. Serial No. 684,729. 3 Claims. (Cl. 109—1.)



1. In safe construction, in combination, frame members having outwardly presented grooves along their edges, body plates seated in said grooves, and a separate corner piece welded to the ends of said frame members at a corner of the safe.

1,539,538. AUTOMATIC FIRE ALARM. JOHN T. BRADLEY, Blakely, Ga. Filed Oct. 15, 1923. Serial No. 668,787. 3 Claims. (Cl. 116—106.)



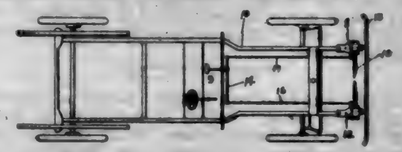
1. In a device of the character described, a plurality of discs of fusible material fitted in cavities formed in a support, fusible wires connecting said discs in pairs, a cord taking a staggered course relatively to said fusible wires, suspension bars provided with pulleys lying in loops of the fusible wires and connecting one set of said wires with another set, means for holding said cord under tension, means carried by said cord for setting off an alarm when tension is removed, and means carried by said cord for indicating location of ruptured members, as and for the purpose described.

1,539,539. WATER-TIGHT RECEPTACLE AND PLUG THEREFOR. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 7, 1918. Serial No. 248,684. 5 Claims. (Cl. 173—361.)



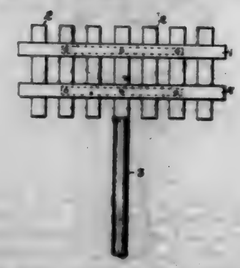
1. An electrical connecting device comprising a housing provided with means for securing it to a main support, an insulating base member disposed in said housing, binding-terminals carried by said base member, an insulating block carried by said base member and extending beyond the forward edge of the housing, a center contact carried by said block, and an outer conducting shell carried by said block and having its rearward edge flanged inwardly and confined between said block and said base member.

1,539,540. FENDER FOR VEHICLES. ROBERT S. BLAIR, Sound Beach, Conn. Filed Feb. 18, 1921. Serial No. 446,163. 19 Claims. (Cl. 293—37.)



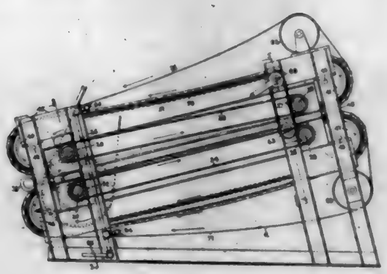
1. A fender for vehicles comprising a plurality of members swiveled about a common axis adapted to assume a retracted position one over the other and to swing about said axis to and extended position before the wheels of the vehicle.

1,539,541. GRADE-CROSSING SIGNAL. WALTER G. BURNS, Fort Wayne, Ind. Filed Sept. 14, 1923. Serial No. 662,668. 5 Claims. (Cl. 40—145.)



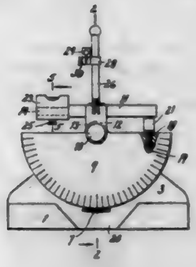
2. A signal for grade crossings comprising a configuration constructed of flat-faced bars simulative of a fragmentary section of a structure of railway rails and ties, and a mount therefor including a post and means for holding the configuration in a vertical plane aside from the post.

1,539,542. METHOD AND APPARATUS FOR PRODUCING FIBROUS BOARD. HENRY CARMICHAEL, Malden, Mass., assignor of fourteen and four-tenths per cent to Irving Hollander, Winthrop, Mass., five and four-tenths per cent to J. W. Nourbourn, one and eight-tenths per cent to Harry W. Cobb, both of Boston, Mass., and sixty-four per cent to The Upson Company, Lockport, N. Y., a Corporation of New York. Filed Nov. 15, 1921. Serial No. 515,257. 7 Claims. (Cl. 92—39.)



1. A method of making fiber board of considerable thickness comprising mixing paper fiber with an excess of water so that the individual fibers interlock with one another in all directions, forcing the water and fiber under great pressure into a forming chamber and conveying it through said chamber with progressively increasing mechanical pressure while permitting the water to escape until the desired thickness of board is attained, the mechanical pressure being laterally applied and the material being compressed thereby while confined against escape or displacement by the formed board at one end and the force feed pressure of the water and fiber at the other.

1,539,543. PROTRACTOR LEVEL. ROBERT A. CECCHINI, Springfield, Mass., assignor of one-fourth to George R. Cronin, Springfield, Mass. Filed Oct. 25, 1922. Serial No. 596,848. 9 Claims. (Cl. 33—213.)



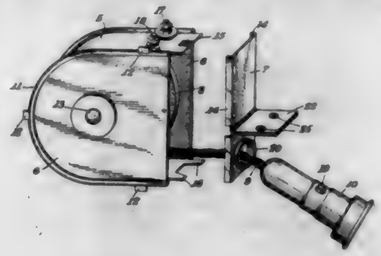
1. The combination, in an instrument of the class described, with a supporting member, of a protractor having a straight edge, said supporting member and protractor being provided with cooperating scale elements, means pivotally to connect said protractor with said supporting member, and to lock said protractor to and release it from said supporting member, a beam superimposed on said protractor, means between said protractor and said beam at one terminal thereof, to retain said beam in parallel relation with said straight edge, and a spirit level carried by said beam.

1,539,544. TIME-ADJUSTMENT CONSTRUCTION. CHARLES M. CROOK and ALBERT E. LONG, Chicago, Ill., assignors to Stromberg Electric Company, Chicago, Ill., a Corporation of Maine. Filed Feb. 5, 1923. Serial No. 616,914. 12 Claims. (Cl. 161—1.)



1. A time-adjustment construction comprising a rotatable actuating-member, a member actuated thereby, and adjusting means for changing the time relation between said members, comprising a member mounted for movement on said rotatable member longitudinal of its axis.

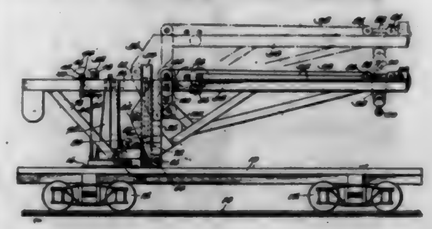
1,539,545. CIGAR LIGHTER AND THE LIKE. CHARLES H. CUNO, Meriden, Conn., assignor to The Cuno Engineering Corporation, Meriden, Conn., a Corporation of Connecticut. Filed July 29, 1924. Serial No. 728,837. 10 Claims. (Cl. 219—32.)



1. A construction of the character described comprising a reel casing having a face plate with an opening at one end for the cigar lighter or the like and provided with a projecting flange or shelf adapted to be secured to the under edge of the instrument board of an automobile

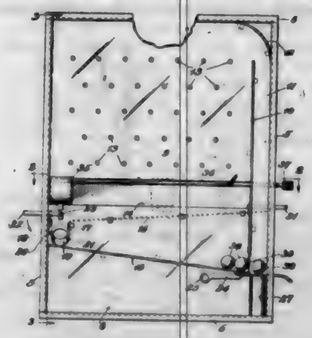
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1,539,546. PILLAR CRANE. JOHN M. DEBNIE, Chicago, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed Aug. 3, 1923. Serial No. 655,482. 1 Claim. (Cl. 212—57.)



In mechanism of the class described, a base, a pillar rising from said base, a frame rotatably mounted on said pillar, a crane bracket, a pair of beams affixed to said bracket providing a trackway located entirely to one side of said pillar and upon which the crane bracket is mounted for vertical movement, and means between said beams and also between said pillar and said crane bracket for effecting vertical movement of the latter along said trackway.

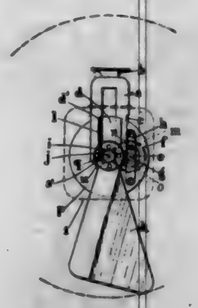
1,539,547. GAME. SIDNEY DIAMANT, New York, N. Y. Filed Jan. 30, 1925. Serial No. 5,695. 10 Claims. (Cl. 273—122.)



1. A game of the character described comprising a plate having a plurality of obstructions projecting from one side thereof and a runway at one edge of said plate, a basket mounted on the plate beneath said obstructions and open at its upper end, a horizontally inclined runway on the plate below said basket to receive the projectile and return the same to said first named runway, and means for impelling a projectile through said first named runway and upon the part of the plate having said obstructions thereon.

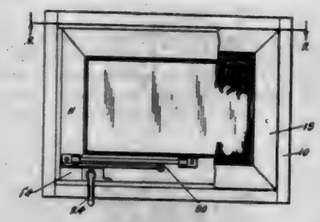
2. A game of the character described comprising a plate having a runway at one edge thereof, a basket horizontally movable upon one side of said plate, means for shifting said basket, and means for impelling a projectile through said runway and directing the same over the surface of said plate to descend by gravity thereon towards said basket.

1,539,548. MECHANICAL HAND FAN. SIMON DICK, Paris, France. Filed Oct. 31, 1913. Serial No. 798,444. 9 Claims. (Cl. 230—33.)



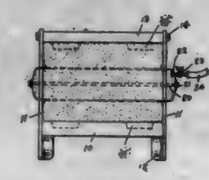
1. In a fan, the combination of a fan shaft, a pinion thereon, a reciprocating plunger, a rack on said plunger, a spring applied to said plunger for maintaining the same normally extended, gearing in train with the rack on said plunger and the pition on said fan shaft, a casing which encloses said gearing provided with holes through which said plunger and fan shaft project, a fan secured to rotate with said fan shaft, the blades of which are pivotally movable relatively to each other to provide for folding and extending said fan blades, means for maintaining said fan blades yieldingly in folded and extended positions.

1,539,549. CONTROLLER FOR CASEMENT WINDOWS. EDWARD H. ELLISON, Jamestown, N. Y. Filed June 26, 1924. Serial No. 722,477. 3 Claims. (Cl. 268—14.)



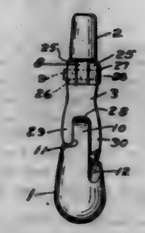
1. A controller for a casement window consisting of a slotted bar mounted upon the window, an arm in sliding engagement with said bar, a gear mechanism for actuating said arm, said mechanism comprising a segment gear and a worm meshing with said gear and means for rotating said worm, and means for yieldingly holding said arm in engagement with said bar and said worm in engagement with said gear.

1,539,550. PNEUMATIC MOLDING MACHINE FOR CONCRETE BLOCKS. HARVEY L. EMERY, Vincennes, Ind. Filed July 28, 1923. Serial No. 653,253. 2 Claims. (Cl. 25—128.)



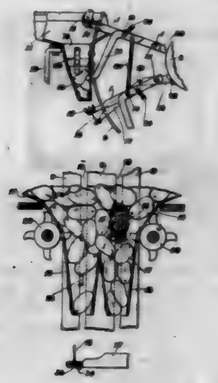
1. A device of the character described for forming plastic material comprising a form having stationary walls, a tubular rubber core having reenforced ends, and means for connecting said ends together and spacing them apart, whereby said core may be inserted in proper position within said form and inflated therein for exerting an outward pressure against the material contained therein.

1,539,551. HOOK. JORGEN N. ERLANDSEN, Everett, Wash. Filed May 5, 1924. Serial No. 711,083. 3 Claims. (Cl. 24—241.)



1. In a hook, a latch pivotally attached to the side of its eye, a tongue projecting from the point, and a spring pin for holding the latch into engagement with the tongue, said latch having a slot in its outer end that slides over the tongue.

1,539,552. POTATO-PLANTING MACHINE. CHARLES FARMER, Romsley, near Halesowen, England. Filed Oct. 3, 1924. Serial No. 741,339. 7 Claims. (Cl. 221—127.)



1. A potato planting machine, comprising a hopper having its lower portion extended into a plurality of depending hollow conical portions open at their lower ends and at one side, and a plurality of relatively-staggered sets of potato removing devices rotatable about a common axis, the potato removing devices of each set being adapted to enter the open lower end of the respective depending portion and to move substantially vertically upward within the latter substantially along the vertical axis of the depending portions into the upper portion of the hopper so as to agitate the potatoes within the latter and above the adjacent depending portion, the depending portions each serving to hold the potatoes above and in the direct line of travel of the respective removing device.

1,549,553. INTERNALLY-LUBRICATED LEAF SPRING. ROBERT BERKELEY FEAR, San Francisco, Calif. Filed Oct. 6, 1922. Serial No. 592,773. 1 Claim. (Cl. 267—50.)



A spring, comprising, a plurality of stacked leaf members each of which has a lubricant passage along one face thereof and an aperture communicating and registering with the passage of the next adjacent leaf member; a source of lubricant supply connected with said passages; a lubricant retaining means interposed between said passage and the sides of said spring; means to draw off excess lubricant from said passages; and means for holding said stacked leaf members together.

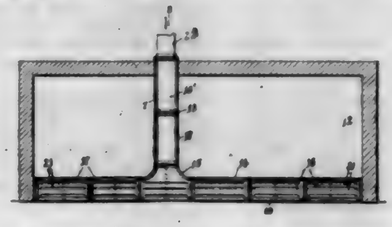
1,539,554. BAG. ABRAHAM C. FISHER, New York, N. Y. Filed May 11, 1922. Serial No. 560,035. 3 Claims. (Cl. 150—46.)

1. A combination bag and vanity case, comprising a body having a base portion larger than the upper portion, a frame T-shaped in cross section hinged to the upper part of said body, an outer cover hinged to the body at the same point as said frame, a lid supported by said frame and provided on its inner side with means for holding devices suitable for general uses, and means on the other side of said lid for holding the devices



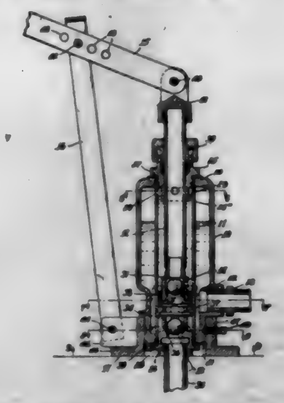
suitable for use as a vanity case, the outer cover being operable independently of the inner lid, both the upper part of the body of the bag and the margin and the outer cover being held within said frame when the outer cover is closed.

1,539,555. BUILT-IN DUCT FOR BAKERIES' PROOF BOXES. WALTER L. FLEISHER, New York, N. Y. Filed Nov. 20, 1924. Serial No. 751,102. 5 Claims. (Cl. 107—7.)



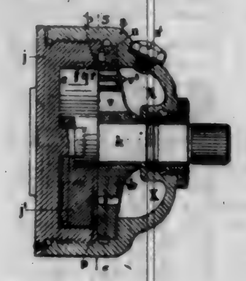
1. In combination with a proof box for bakeries of a sectional air duct having removable air distributing cover plates presenting apertures of different sizes for delivering air at substantially constant volumes along the duct.

1,539,556. PUMP. JESSE B. GARBER, Salem, Ohio, assignor to The Deming Company, Salem, Ohio, a Corporation of Ohio. Filed July 13, 1922. Serial No. 574,648. 8 Claims. (Cl. 103—178.)



1. A pump comprising, in combination, a hollow cylinder having the ends thereof internally threaded, a casing surrounding the cylinder and of substantially the same length as the cylinder and having openings in the ends thereof into which the cylinder extends, closure members in threaded engagement with the cylinder at each end thereof, each of said members functioning to connect the cylinder to the casing, there being an opening through the wall of the cylinder into the casing whereby the latter may act as a reservoir, a piston within the cylinder, a piston rod extending through one of said closure members, and a stuffing box surrounding said rod and associated with the last mentioned closure member outside of the casing.

1,539,557. OSCILLATION-DEADENING DEVICE. LOUIS ALEXANDRE GIRARD, Paris, France. Filed Apr. 27, 1921. Serial No. 464,965. 14 Claims. (Cl. 188—89.)



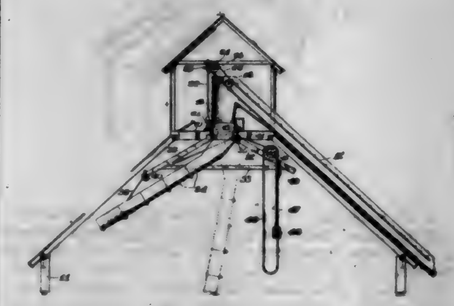
1. In an oscillatory shock absorber, a chamber filled with liquids, a movable partition dividing said chamber into two compartments of variable volume, ports covered and uncovered by said movable partition, a constant volume compartment into which said ports empty, a stationary partition, and valves arranged in the stationary partition for separating the constant volume compartment from each variable volume compartment.

1,539,558. ATHLETIC PROTECTIVE GARMENT. HUGO GOLDSMITH, Cincinnati, Ohio, assignor, by mesne assignments, to The P. Goldsmith Sons Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 27, 1922. Serial No. 547,136. 2 Claims. (Cl. 2—3.)



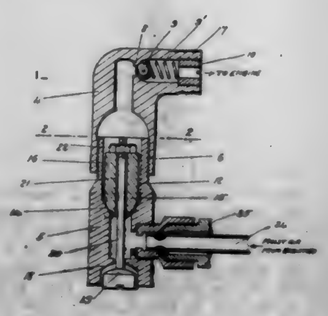
1. A protective athletic helmet, comprising a leather casing for fitting over the wearer's head, and provided with means for detachably securing the same on the head, a felt lining contacting with the interior of the casing, and a resilient rubber ring of smaller diameter than the wearer's head, and located upon the inside of the lining at the top of the helmet, and for contacting with the top of the wearer's head, and for yieldingly spacing the lining from the wearer's head whereby to normally provide a ventilating air space between the lining and the wearer's head and through which space the wearer's head may move for contacting the lining when a blow is directed upon the helmet.

1,539,559. ENSILAGE DISTRIBUTOR. FRANK HAMACHEK, Kewaunee, Wis., assignor to Frank Hamachek Machine Company, Kewaunee, Wis., a Corporation of Wisconsin. Filed Aug. 30, 1920. Serial No. 406,895. 14 Claims. (Cl. 198—72.)



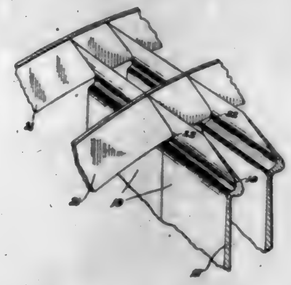
1. In an ensilage distributor, an inclined elevating conveyor, a mouth receiving vines therefrom, and a rotating inclined open trough having a fixed angular deflecting portion at its upper part upon which the fibrous material is dropped from the conveyor and directed down the chute being pivotally mounted at the rear of the mouth, said chute forming an inclined rotating discharge spout in continuation of the passageway through the mouth for depositing the material in a circular path.

1,539,560. MOISTENING DEVICE. ALTON D. HARMON, Erie, Pa. Filed May 28, 1924. Serial No. 716,433. 4 Claims. (Cl. 128—25.)



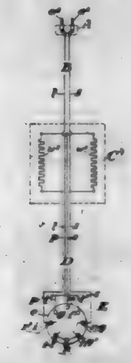
1. A moistening device, comprising a casing provided at its upper part with an outlet adapted to be connected with an engine, a delivery valve normally closing the said outlet, said casing having also a drip valve seat at its lower part, a moist air valve seat above the drip valve seat, and an inlet for moist air between the valve seats; a moist air valve normally closing the moist air valve seat, and a normally open drip valve for closing the drip valve seat provided with a stem which projects loosely through a hole in the moist air valve.

1,539,561. TURBINE BLADING. HERBERT T. HENN, Merion, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 21, 1922. Serial No. 555,903. 9 Claims. (Cl. 253—77.)



1. In a turbine, a row of blades having curved tips defining nozzle passages and flat lashing strips secured to the blades transversely of the passages and edgewise thereof.

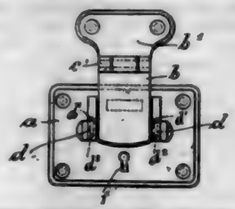
1,539,562. ELECTRIC HEATER. HEINRICH HERRMANN, Berlin, Germany, assignor to Electricitäts-Gesellschaft "Sanitas" m. b. H., Berlin, Germany. Filed June 13, 1924. Serial No. 719,885. 2 Claims. (Cl. 219—19.)



1. An electric heater comprising a heating pad including two resistances, a duplex cable issuing from said pad and ending in a contact plug, a multiplex cable issuing from said pad and ending in a manifold switch, the wires of the cables being connected with the contacts of the switch and in part with the resistances in the pad in such a manner that in the different positions of the switch one resistance only may be circuited or both resistances may be circuited in parallel or in series, or both resistances may be cut out.

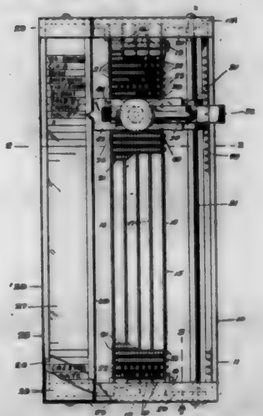
1,539,563. FASTENING FOR USE WITH ATTACHÉ AND SUIT CASES, HAND BAGS, AND THE LIKE. JACOB HINKEL, Offenbach-on-the-Main, Germany. Filed Jan. 4, 1923. Serial No. 610,687. 3 Claims. (Cl. 70—115.)

1. Hasp fastener comprising a hasp hinged to one of the parts to be connected, a spring tending to throw out said hasp, a keeper on said hasp, a casing secured to the other part, a bolt adapted to reciprocate in said casing and to engage said keeper, and two parallel



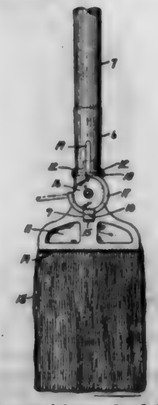
operating strips connected with said bolt and extending in parallel to the lateral edges of said hasp at either side thereof and on the outside of said casing.

1,539,564. PRINTING DEVICE. MORRIS J. HOFFMAN, Chicago, Ill. Filed Aug. 18, 1924. Serial No. 732,616. 10 Claims. (Cl. 101—102.)



1. In a printing device, the combination of a base, a multiplicity of type holders secured on said base, and each containing set type, and an impression making device movably mounted on said base and having a striking head arranged to be moved over the type contained in any of said type holders.

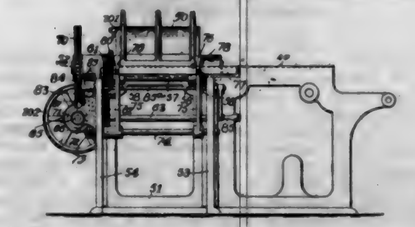
1,539,565. MOP HEAD. HARRY P. HOMERS, New Haven, Conn. Filed Dec. 26, 1924. Serial No. 758,167. 2 Claims. (Cl. 15—150.)



1. A mop-head, comprising a fixed jaw formed integral with a socket and provided with a gripping edge, a movable jaw pivotally connected with said socket and

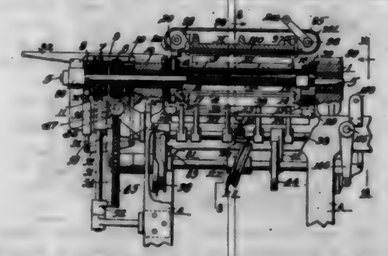
formed with a gripping edge complementary to the gripping edge of the fixed jaw, a post yieldingly mounted on the fixed jaw and extending through the movable jaw, a lever pivotally mounted on the movable jaw in a plane parallel therewith and formed with a cam-rib coacting with said post for crowding the two jaws together.

1,539,566. CURVED-STEREOTYPE-PLATE-FINISHING MACHINE. CHARLES E. HOPKINS, Plainfield, N. J.; The Plainfield Trust Company administrator of said Charles E. Hopkins, deceased. Original application filed Feb. 15, 1913, Serial No. 748,692. Divided and this application filed Sept. 9, 1918, Serial No. 253,301. Renewed Sept. 27, 1924. 3 Claims. (Cl. 29—21.)



1. In a curved stereotype plate finishing machine, the combination of a tool supporting shaft, a finishing arch axially aligned with said shaft, a shaving knife on said shaft, means for revolving the tool supporting shaft, a saw rotatable as a whole with said shaft for cutting off the tail of the plate, and a beveling tool located to follow in the path of the saw as the tool supporting shaft revolves.

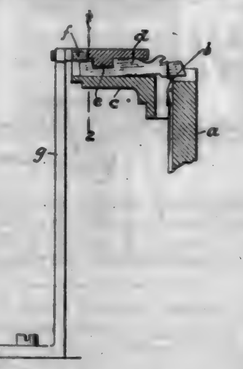
1,539,567. MACHINE FOR FINISHING TUBULAR STEREOTYPE PLATES. CHARLES E. HOPKINS, Plainfield, N. J.; The Plainfield Trust Company administrator of said Charles E. Hopkins, deceased. Original application filed Oct. 2, 1913, Serial No. 792,995. Renewed Sept. 24, 1919, Serial No. 325,996. Divided and this application filed Dec. 11, 1919, Serial No. 344,199. Renewed Sept. 27, 1924. 8 Claims. (Cl. 29—21.)



1. In an apparatus for making tubular stereotype plates, the combination with a movable casting core, of a plate finishing cylinder for supporting a tubular stereotype plate, a finishing tool for boring the interior surface of said plate, edge finishing tools, and means started into operation by the motion of said core for operating said tools to engage and finish a plate supported in the finishing cylinder.

1,539,568. STITCH-FORMING MECHANISM FOR CIRCULAR-KNITTING MACHINES. HAROLD E. HOUSEMAN, Philadelphia, Pa., assignor to Standard-Trump Brothers Machine Company, Wilmington, Del., a Corporation of Delaware. Filed June 13, 1924. Serial No. 719,699. 7 Claims. (Cl. 66—26.)

1. In a circular knitting machine, the combination with a needle cylinder and its needles and sinkers, of means to move the needles successively down to cause their hooks to engage and pull down yarn and substantially simultaneously with such yarn-pulling downward movement lift the respectively adjacent yarn-engaging elements of the sinkers a distance substantially equal to the distance to which the needles are depressed dur-



ing such yarn-pulling movement, thus, by the simultaneous movement of the needles and sinkers substantially the same distance in opposite directions, forming loops in about half the time required with stationary sinkers, with reduction in strain on the yarn and in the maximum length of loop required to be drawn.

1,539,569. EXERCISING APPARATUS. JAMES HUBERT, Newcastle-upon-Tyne, England. Filed June 7, 1924. Serial No. 718,522. 5 Claims. (Cl. 272—79.)

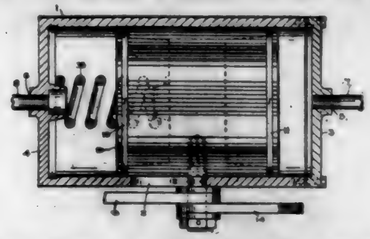


1. Exercising apparatus comprising a pair of suspending members, a strip of elastic material disposed therebetween, cylindrical blocks fixed at the ends of said strip, clamps embracing said suspending members and said cylindrical blocks, the open ends of said clamps being beaded over, and wire loops passing through said bends to retain the open ends of said clamps tightly against said strip on the inside of said blocks.

1,539,570. AIR-BRAKE MECHANISM. CHARLES SUMNER JACKSON, Shawinigan Falls, Quebec, Canada, assignor of one-half to Frederick Stewart Brown, Montreal, Quebec, Canada. Filed Feb. 11, 1924. Serial No. 692,010. 8 Claims. (Cl. 303—82.)

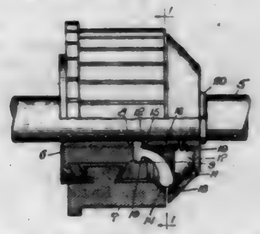
1. An air brake mechanism comprising a cylinder having a longitudinal pin slot in the wall thereof, a piston reciprocating in said cylinder and constantly closing said

slot and a pin projecting outwardly through said slot from said piston, an accompanying air reservoir constantly connected to and communicating with said cylin-



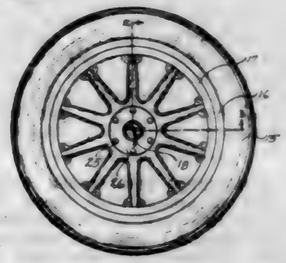
der, a pipe line circuit including said cylinder and reservoir, and connected to a source of compressed air, a reservoir control valve, a main control valve and levers and reach rods connecting said pin with the brake levers.

1,539,571. ELECTRIC MOTOR. JOHN T. JANETTE, Chicago, Ill. Filed Nov. 9, 1921. Serial No. 513,881. 3 Claims. (Cl. 172—120.)



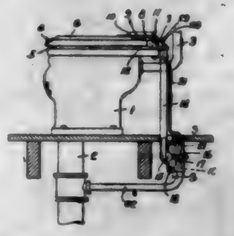
1. In a short circuiting apparatus for a repulsion-induction motor, the combination with a commutator hub having an annular recess therein, of a plurality of radially arranged contacts having heads which are slidably mounted directly in said recess, and having outwardly projecting portions with contact points adjacent to the ends of the commutator bars and adapted to engage with the ends of said bars, and resilient means tending to hold the heads in normal position in said recess with the outer ends of the contacts away from the commutator bars, the arrangement being such that said contacts will move longitudinally of the commutator and the outer ends thereof will swing outwardly to make contact when the commutator is revolved at a predetermined speed.

1,539,572. STEEL AUTOMOBILE WHEEL. AMES R. JAYNE, Chicago, Ill., assignor to American Steel Wheel Corporation, Chicago, Ill., a Corporation of Illinois. Filed Aug. 20, 1924. Serial No. 733,064. 10 Claims. (Cl. 301—64.)



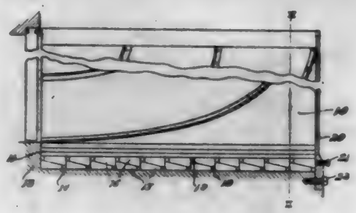
1. A metallic wheel comprising a felly and sheet metal discs having half spoke sections integral therewith, flanges on the edges of the spoke sections adapted to abut when two discs are assembled to form the wheel, said flanged spoke sections being distorted to present slightly convex mating surfaces prior to assembly.

1,539,573. WATER-CLOSET VENTILATOR. JESSE C. JEFFRIES, Big Creek, Calif. Filed Feb. 9, 1924. Serial No. 691,550. 5 Claims. (Cl. 4—214.)



1. The combination with a water closet having a flushing pipe projecting therefrom, of an air chamber communicating with the closet bowl over the rim thereof, a conduit having a forked end adapted to straddle said flushing pipe and communicating with said air chamber at the respective sides thereof, a suction fan connected to said conduit, a fluid motor for operating the same, a valve casing in said air chamber medially thereof, said valve casing having a valve and a valve stem projecting therefrom and adapted to be actuated by lifting of the seat cover of the water closet for opening said valve, and intake and discharge pipes communicating with said valve casing and extending outwardly through said air chamber and thence along opposite sides of said flushing pipe for connection with a source of fluid supply and with said fluid motor respectively.

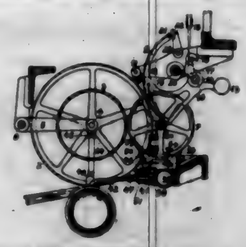
1,539,574. TURBINE-BLADE FASTENING. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 554,890. 5 Claims. (Cl. 253—77.)



1. The combination with a turbine rotor having a plurality of longitudinal slots with outwardly converging sides and blades having complementally formed root portions fitting the slots, of a plurality of wedge blocks contacting in series and alternately with the bottoms of each slot and its corresponding blade root portion and means carried by the blocks having their thick ends disposed toward the outer end of the rotor slot, whereby the blocks may be readily removed.

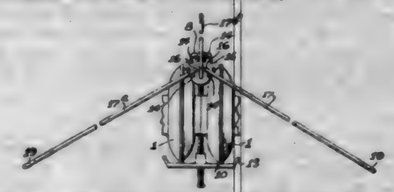
1,539,575. SURFACE-MEASURING MACHINE. KARL KEHRBECK and BRUNO PAUL BOHACEK, Frankfort-on-the-Main, Germany, assignors to Maschinenfabrik Moenus Aktien-Gesellschaft, Frankfort-on-the-Main, Germany. Filed Jan. 8, 1923. Serial No. 611,508. 13 Claims. (Cl. 33—124.)

1. A surface measuring machine, comprising, in combination: measuring-wheels, and means for feeding forward below them the blank to be measured; an adding-up mechanism; pneumatic means arranged between said feeding means and said adding-up mechanism and adapted to cause automatically the said mechanism to operate when a blank is caused to pass through between said measuring-wheels and the said feeding means; air-pipes



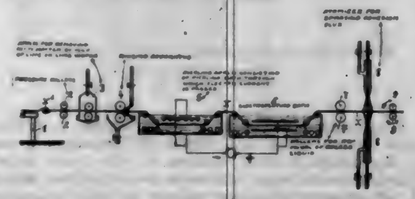
forming parts of said pneumatic means and having their orifices located between the measuring-wheels at the points of contact between them and the blank, this latter closing said orifices when being fed forward, substantially as set forth.

1,539,576. DRYING RACK. VICTOR P. KENNARD, Greenland, N. H. Filed May 28, 1923. Serial No. 641,980. 11 Claims. (Cl. 34—26.)



2. A drying rack, comprising, in combination, a standard having a convexed front portion provided with edges adapted to engage adjacent sections of a radiator; means at one end of said standard to support drying arms; and means to clamp said standard to a radiator.

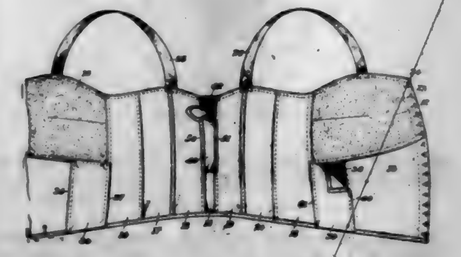
1,539,577. PROCESS FOR ELECTROPLATING METAL GOODS. FELIX KIRSCHNER, Vienna, Austria. Filed Aug. 24, 1921. Serial No. 494,870. 14 Claims. (Cl. 148—4.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The herein described process of improving the character of an electrolytically deposited coating of a comparatively easily fusible metal on a less easily fusible ground metal which consists in smelting the coating under the cooperation of an adhesion flux, and in artificially cooling the ground metal and the coating while the coating is still in molten condition, whereby the molten coating sets completely during the cooling operation.

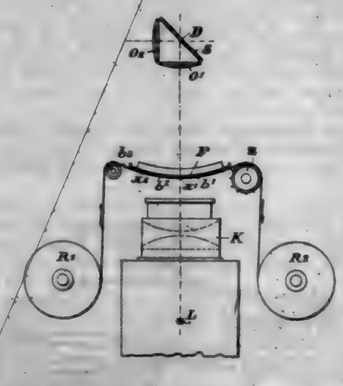
1,539,578. BRASSIÈRE. WALDEMAR KOPS, New York, assignor to Nemo Circlet Company, Inc., a Corporation of New York. Filed Sept. 14, 1923. Serial No. 662,590. 2 Claims. (Cl. 2—42.)

2. In a brassière and the like, a body member, an elastic insert in the body member, an inelastic strip substantially coextensive with the elastic insert, overlying the same and adjacent its edges removably connected to the body member on the outer side thereof, and a second inelastic strip which is plaited and when the plait is extended is of materially greater extent than the said elastic insert, the said second elastic strip overlying the said elastic insert and adjacent its edges removably connected to the body member on the inner



side thereof whereby normally that portion of the garment containing the elastic insert is unyielding and by the removal of the first inelastic strip the said portion of the body member is made yielding to the extent of the second inelastic strip and by the removal of the second inelastic strip the said section of the garment is made yielding to the extent of the elasticity of the elastic insert.

1,539,579. OPTICAL DEVICE FOR COMPENSATING THE MOVEMENT OF THE FILM IN CINEMATOGRAPH APPARATUS. STANISLAUS KUCHARSKI, Charlottenburg, near Berlin, Germany, assignor to Autoscope Ltd., London E. C. 2, a British Company. Filed Aug. 31, 1921. Serial No. 497,305. 7 Claims. (Cl. 88—16.8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

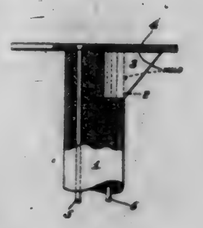


1. In a device of the type described, means for compensating the movement of the film, comprising a mirror for reflecting the light from the film, associated with an objective forming with said mirror a movable prism means for oscillating the prism in synchronism with the film-feeding means.

1,539,580. BUILDING COLUMN. JOHN LALLY, Boston, Mass. Filed July 14, 1921. Serial No. 484,720. 3 Claims. (Cl. 72—75.)

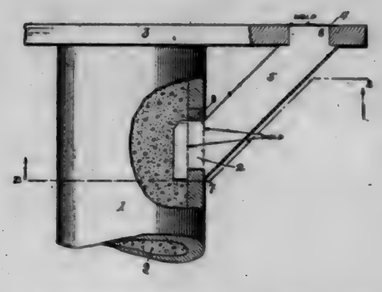
1. A building column comprising a casing provided with a slot, a bracket in the slot, the edges of the slot

and side faces of the bracket being welded together, a top plate resting on the casing and bracket with its



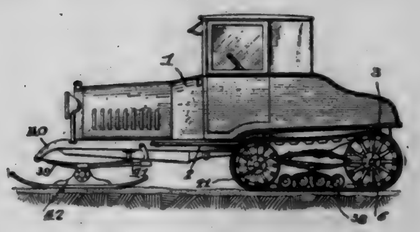
under side welded to the top edge of the bracket and a plastic filling within the casing.

1,539,581. BUILDING COLUMN. JOHN LALLY, Great Neck, N. Y. Filed Feb. 23, 1924. Serial No. 694,618. 7 Claims. (Cl. 72—75.)



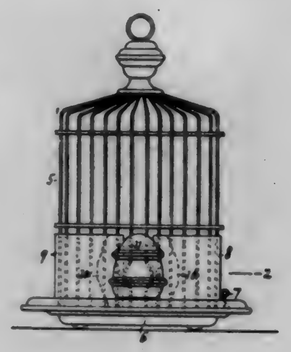
3. A building column comprising a casing slotted near its end, an apertured crown plate on the end of the casing, a strut, a lug on its outer end engaging the aperture in the crown plate, the lower end of said strut entering the casing slot and extending below the bottom of the slot.

1,539,582. TRACTION DEVICE. JOSEPH ADALBERT LANDRY, Mont Joli, Quebec, Canada. Filed Apr. 19, 1924. Serial No. 707,732. 5 Claims. (Cl. 305—9.)



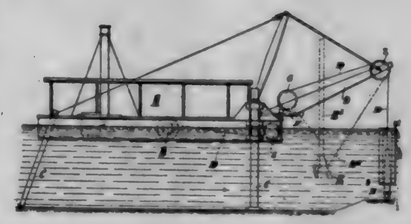
5. A traction device comprising in combination with a pair of axles, main springs connecting said axles, wheels carried by said axles, tread members passed around said wheels, auxiliary springs suspended from said main springs, smaller springs carried by said auxiliary springs, roller carrying springs pivoted to the ends of said smaller springs, and rollers journaled to the ends of said roller carrying springs and engaging said tread members.

1,539,583. BIRD-CAGE GUARD. HENRY O. LINDEMANN, Tompkinsville, N. Y. Filed June 21, 1924. Serial No. 721,410. 5 Claims. (Cl. 119—17.)



3. A bird cage guard comprising a flexible shield for removable arrangement about the lower portion of a wire cage, a flap located at the end of the shield made to loop about a vertical wire of a cage, and means for fastening a portion of the flap adapted to form a stop by coacting with the vertical wire.

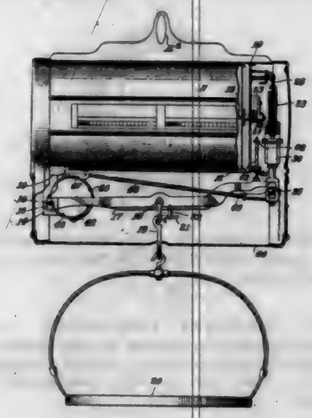
1,539,584. COMBINED SUBAQUEOUS ROCK CUTTER AND DREDGE. FRED LORNITZ, Crookston, Scotland. Filed May 14, 1921. Serial No. 469,483. 4 Claims. (Cl. 262—13.)



1. In combination with a dipper dredge, a cutter, a guide within which said cutter is suspended, a boom on the dredge, flexible members by which said guide is freely suspended from said boom so as to move laterally in all directions, means carried by said dredge and upon which said boom is pivoted whereby said cutter may operate upon ground not directly underneath said dredge, mechanism for operating said cutter, duplex ropes extending from said mechanism along said boom to said cutter, three sheaves mounted at the end of said boom, the two outer sheaves for carrying said ropes, and the middle one for carrying the dipper-operating rope.

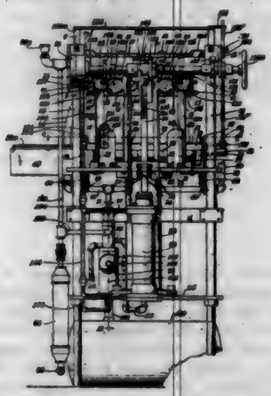
1,539,585. SCALE. EDWARD B. LOCKE, Dayton, Ohio, assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Apr. 15, 1921. Serial No. 461,556. 11 Claims. (Cl. 265—69.)

1. In a scale, in combination, a weight indicator, a pinion therefor, an element displaceable in accordance with the applied load, a rack meshing with the aforesaid pinion and having a ball and socket connection with said



movable element, and an enmeshing weight carried by said rack to enmesh the same with the pinion.

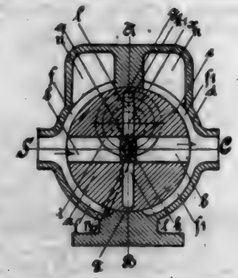
1,539,586. METHOD AND APPARATUS FOR ASSEMBLING PIECES OF ADHESIVE SHEET MATERIAL. FRANK J. MACDONALD, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1922. Serial No. 548,380. 53 Claims. (Cl. 12—52.)



1. The method of assembling pieces of sheet material having a tacky rubber surface which comprises moving a plurality of said pieces, with relation to each other, into the relative positions they are to occupy in the finished structure, by engagement with one face only of each piece, their opposite faces being exposed in said positions, and applying another piece to the exposed faces of the said pieces in common while thus holding them in said positions.

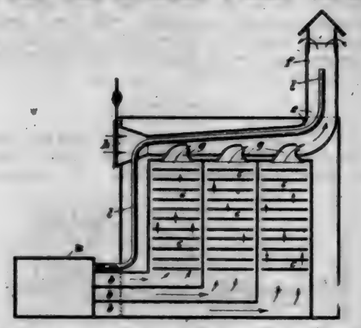
1,539,587. ROTATING PUMP. EMANUEL MOCIORMBA, Rheinbach, Germany, assignor to the Firm Maschinenfabrik Waldau Gesellschaft mit beschränkter Haftung, Rheinbach, Germany. Filed Aug. 4, 1922. Serial No. 579,596. 4 Claims. (Cl. 103—160.)

1. In a rotary pump, the combination with a casing, of a rotating body in said casing having a transverse groove forming part of the pump chamber, a piston movable in said casing, a disc mounted eccentrically of the axis of rotation of said body, and means carried



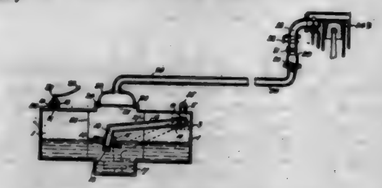
by said disc engaging, respectively, said body and said piston for simultaneously positively rotating the body and actuating the piston.

1,539,588. DESICCATING VEGETABLE MATERIAL. BRUNO MÜLLER, Berlin-Neukölln, Germany. Filed Sept. 19, 1923. Serial No. 668,625. 5 Claims. (Cl. 34—39.)



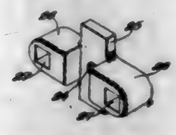
1. In a drying, desiccating and evaporating plant in combination, a plurality of supporting and enclosing means for the treatment of material, means for discharging waste air and vapors from said supporting and enclosing means, means associated therewith adapted for the introduction of fresh outside air into the current of waste air and vapors, heating means in the interior of said fresh-air-introducing means, and adapted to increase the draft in said fresh-air introducing means and in said waste-air-discharging means.

1,539,589. CARBURETING DEVICE. HOWARD NATTRASS, Wellington, New Zealand, assignor to William Edward Wills, Wellington, New Zealand. Filed May 25, 1922. Serial No. 563,698. 3 Claims. (Cl. 261—120.)



1. In a carburetor of the character described, a fuel containing tank including a body having a well in the central portion of the bottom thereof and a dome in the top above the well in combination with the pivotally mounted float controlled air supply means, the well serving to accommodate the lower portion of the float controlled air supply means to insure of the air passing through the entire contents of the tank.

1,539,590. PICKER-STICK PARALLEL MOTION. JONAS NORTHROP, Hopedale, Mass., assignor to Hopedale Manufacturing Company, Milford, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1923. Serial No. 630,514. 1 Claim. (Cl. 139—150.)



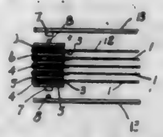
A picker stick parallel motion having, in combination, a stand, a picker stick, a shoe, a strap and spring connected with the picker stick tending to return it to outward position, the shoe being provided with a housing, a tongue between the picker stick and housing, a follower piece having portions extended longitudinally along a considerable length of the picker stick, the end of the strap being extended between the follower piece and the edge of the picker stick, a bolt extending through the follower piece, the strap, the picker stick, the tongue and the housing for clamping the picker stick in place, and two additional bolts, one on each side of the picker stick, said follower piece being provided with wings and said housing being provided with ears to receive said bolts, which act as supplemental means for clamping the picker stick strap and shoe together.

1,539,591. HEATING SYSTEM AND MEANS. EARLE L. OVINGTON, Santa Barbara, Calif. Filed Aug. 28, 1921. Serial No. 494,722. 3 Claims. (Cl. 126—12.)



1. A fire-place construction including a walled enclosure providing a heating chamber and the front wall of said enclosure having a fire-place opening and a heating opening communicating with the heating chamber, and a mantel-shelf above said heating opening and having a depending wall masking said heating opening.

1,539,592. SCRAP BOOK. CHARLES H. PAYNE, Cincinnati, Ohio. Filed June 9, 1924. Serial No. 718,852. 4 Claims. (Cl. 281—22.)



1. A flat opening book made up of a multiplicity of leaves, each leaf folded back upon itself at its rear edge to form a flap, a narrow strip of cardboard, said strip glued to each flap on the outer surface, on each leaf, said cardboard strips forming the means of connecting each leaf to the next leaf, when glued together to form a book.

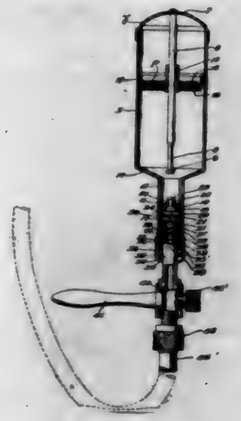
1,539,593. PRODUCTION OF RINGS AND THE LIKE. GEORGE H. PHELPS, Warehouse Point, Conn., assignor to Thomas E. Murray, Brooklyn, N. Y. Filed Oct. 5, 1923. Serial No. 666,715. 10 Claims. (Cl. 219—10.)

1. The method of uniting the edges of metal parts which consists in locating an insert between such edges, passing a welding current across such edges and through the entire width of such insert and pressing the edges toward each other to produce a weld, the insert overlying less than the full width of the edges and the movement



of the parts toward each other being so limited as to avoid the forming of a burr projecting beyond a face of the welded article.

1,539,594. LUBRICANT COMPRESSOR. EARL F. PIERCE, Chicago, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Apr. 21, 1924. Serial No. 708,008. 5 Claims. (Cl. 184—105.)

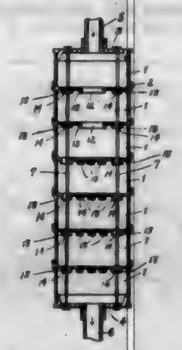


1. A lubricant compressor comprising a barrel, a piston reciprocable in said barrel, a cylinder communicating with said barrel, and having a cam slot at its outer end, an outwardly opening check valve between said barrel and said cylinder, a piston reciprocable in said cylinder, a hollow plunger reciprocable in the outer end of said cylinder and having a projecting pin slidable in said cam slot, a handle secured to said plunger, and a discharge conduit secured to said hollow plunger and communicating therewith.

1,539,595. MUFFLER FOR EXPLOSIVE ENGINES. HERBERT SPENCER POWELL, New Hartford, N. Y. Filed Oct. 10, 1921. Serial No. 506,590. 2 Claims. (Cl. 137—160.)

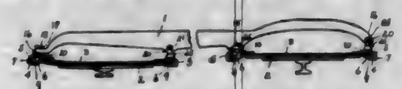
2. In a muffler for explosive engines a plurality of sections forming chambers, said sections having their outer edges flared, whereby to nest said sections with relation to each other, said sections having partition walls, the first two partition walls having large apertures surrounded with walls extending in the direction of flow of the gases to aid in diffusing the heat, the remaining partition walls having smaller apertures surrounded with walls extending in the direction of flow of the gases to aid also in diffusing the heat of said gases,

and stay rods for holding said sections together, and the apertures in said sections being sufficiently large to permit the projection of stay rods, whereby said stay rods



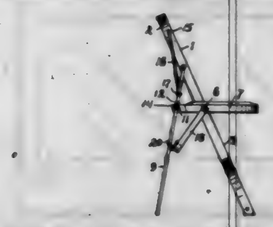
will not make contact with said sections and thereby permit of the expansion and contraction of said sections without bending said stay rods.

1,539,596. JOINT FOR SPRINGS. HERBERT S. POWELL, New Hartford, N. Y. Filed May 17, 1922. Serial No. 561,730. 5 Claims. (Cl. 267—54.)



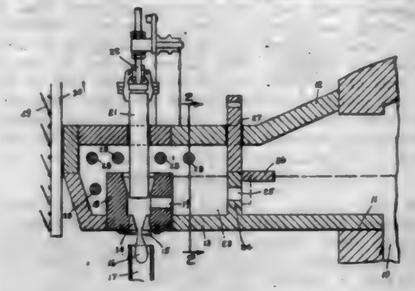
1. In a joint for springs, a hood having a dome, said hood having lateral sides to aid in holding the same in a removable manner to the end of a spring and an end wall to aid in preventing end thrust, a member adapted to cooperate with said dome, whereby to prevent twisting or distorting of said spring and said member having an oil cup for the storage of oil to lubricate said joint.

1,539,597. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed May 20, 1924. Serial No. 714,582. 4 Claims. (Cl. 155—142.)



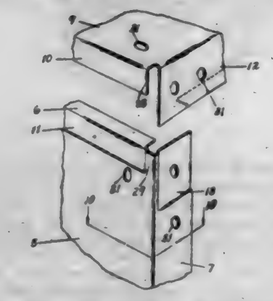
1. In a folding chair, a main frame including a pair of legs spaced apart; a rod horizontally positioned with its ends secured to the corresponding legs; a seat pivotally supported on the rod; a prop member having arms, the upper ends of which are pivoted in the frame at points above the said rod; an eyebolt loosely mounted in connection with the seat at each side thereof back of said rod and having sliding movement on the corresponding arm of the prop member; a stop fixed on each arm operable to limit the upward movement of the corresponding eyebolt; a bracket pivoted on the rod between each leg and the seat; and a bracket on each of said braces having an angular wing with an elongated aperture therein through which the corresponding arm of the prop member extends, said brackets having binding engagement with said arms when the seat is extended for use.

1,539,598. ELECTRICALLY-HEATED GLASS-FLOW DEVICE. JOHN RAU, Indianapolis, Ind. Filed June 7, 1924. Serial No. 718,464. 11 Claims. (Cl. 49—55.)



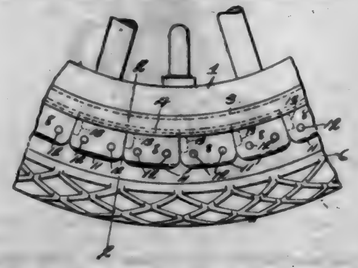
5. In a continuous flow glass feeding trough, having a glass containing chamber therein, a high temperature relatively non-disintegrating electrical heating means extending across the chamber and above the glass for directly heating the same to high temperatures.

1,539,599. STOVE. ALFRED J. REEDY, Battle Creek, Mich., assignor to A-B Stove Company, Battle Creek, Mich. Filed Oct. 10, 1923. Serial No. 667,665. 16 Claims. (Cl. 126—39.)



18. An oven comprising side walls having inwardly projecting flanges at their front edges, and a top having downwardly projecting flanges at its side and front edges disposed with its side flanges overlapping the upper ends of said side wall front flanges, the upper ends of said front flanges being inwardly offset to provide seats for the overlapping top flange.

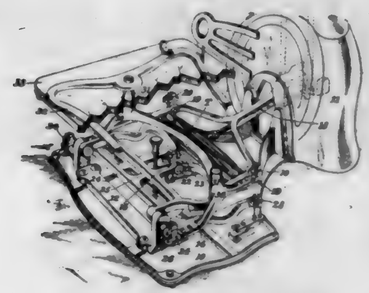
1,539,600. TIRE PROTECTOR. ALONZO A. RENTFROW and JAMES T. BROWN, Jr., Omaha, Nebr.; said Rentfrow assignor to said Brown. Filed Aug. 22, 1922. Serial No. 583,531. 1 Claim. (Cl. 152—26.)



The combination with a tire casing, said tire casing being disposed on a rim, inwardly extending flanges carried by said rim, said flanges engaging over clincher

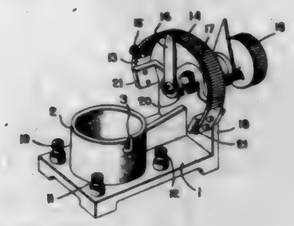
flanges carried by the tire casing, of means for preventing the rim flanges from cutting the tire casing, said means comprising plates in abutting registering end engagement with each other and engaging the sides of the casing and secured thereto, outwardly extending flanges carried by the plates and underlying the rim flanges, and inwardly offset flanges carried by one of the ends of the plates and underlying the ends of the adjacent plates, the outer edges of the plates being provided with circumferentially arranged inturned portions compressibly imbedded in the outer sides of the tire casing.

1,539,601. SCALE. CHARLES EDWARD RIEDEL, Mount Clemens, Mich., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio, a Corporation of New Jersey. Filed Nov. 10, 1919. Serial No. 336,926. 7 Claims. (Cl. 265—62.)



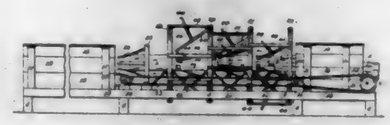
1. In a scale in combination, a main scale lever having a pair of fulcrum pivots at one end thereof and intermediate pivots, said intermediate pivots comprising a pair of platform supporting pivots and a single pivot intermediate the platform pivots and the fulcrum pivots, an auxiliary lever having a pair of fulcrum pivots at one end thereof, a pair of platform pivots at the opposite end thereof in vertical alignment with the fulcrum pivots of the main scale lever, and a single intermediate pivot, and means for suspending the auxiliary lever from the main lever, said means comprising a connecting means co-operating with the aforesaid single intermediate pivots.

1,539,602. COMBINED SOCKET AND RHEOSTAT FOR RADIO USE. WILLIAM ROSENBLOOM and CARL T. BLUME, Revere, Mass. Filed Aug. 31, 1922. Serial No. 585,533. 1 Claim. (Cl. 201—49.)



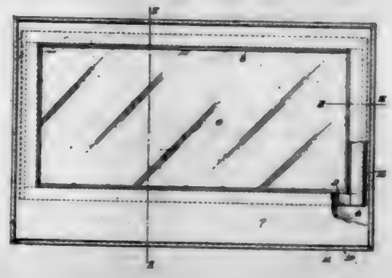
A combined socket and rheostat for radio apparatus comprising a base having a vertical flange at one end, a vertically-disposed socket element carried by the base and provided with socket terminals, an arcuate resistance coil carried by said vertical flange, a horizontal shaft journalled in and having electrical connection with said flange and a contact arm fast to said shaft and engaging said resistance coil, one of the socket terminals being grounded on the base.

1,539,603. PULP-WOOD PEELER. JOHN SAPRONES, Bridgeport, Conn. Filed June 5, 1924. Serial No. 718,053. 5 Claims. (Cl. 144—208.)



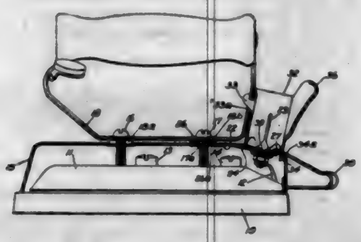
1. In a device of the type described, a base frame, an endless conveyor belt at the receiving end of the base frame, transversely extending bars pivotally carried by said belt for engaging logs to feed them in the direction of movement of said belt, an endless conveyor at the discharge end of the frame for feeding logs off of the latter, a group of resiliently mounted bark peeling blades carried by the base frame between said endless conveyors, a circular series of reversely curved resilient arms carried by said fame at one end of the group of peeling elements and a circular series of inwardly curved resilient arms carried by said frame at the other end of the group of peeling elements for centering the logs while being operated upon by said elements, and means for driving the endless conveyors in unison.

1,539,604. PANEL OR CURTAIN CONSTRUCTION. PAUL E. SCHELL, Detroit, Mich. Filed Nov. 22, 1922. Serial No. 602,514. 1 Claim. (Cl. 296—138.)



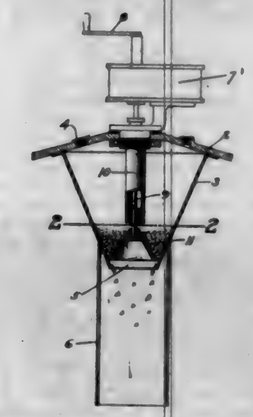
An automobile light panel made of a stiff and relatively thick fibrous composite board provided with a light opening, a light for the board opening, a wooden frame on the inner side of said board about the board opening, a cushioning member at the outer edge of said frame and secured to the front and rear faces of said frame, a lining on said frame extending on to the inner face of said board cooperating with said frame and board in enclosing said cushion member, a cover on the outer face of said board, and extending over the edge of said board and overlapping the edge of said lining, and stitches extending through said board, said lining and the overlapped edge of said cover.

1,539,605. ELECTRIC FLATIRON. ALBERT H. SIMMONS, Oak Park, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill., a Corporation of New York. Filed May 2, 1923. Serial No. 636,246. 9 Claims. (Cl. 219—25.)



1. An electric flat iron comprising a heated body, a cover therefor, a handle carried by said cover, a plug guard, and means for interlocking said plug guard with said handle and cover so that when said handle is secured to said cover said plug guard is locked in place.

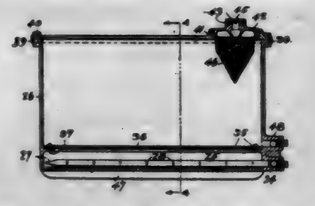
1,539,606. CARBIDE-FEEDING MEANS. ELMER H. SMITH, Minneapolis, Minn. Filed Dec. 13, 1923. Serial No. 680,424. 3 Claims. (Cl. 48—38.)



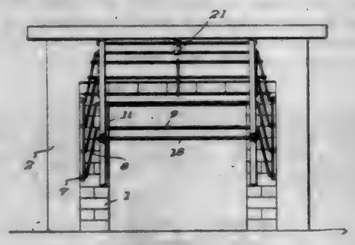
1. The combination with a hopper having a circular discharge opening, of a valve mounted to rotate within said hopper near said discharge opening, said valve being substantially oval in horizontal cross section and of less diameter in one direction than said discharge opening and adapted upon rotation to alternately open and close a portion of said discharge opening, and agitate the material adjacent to said discharge opening.

1,539,607. LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. FRANK S. SPRING, Sandusky, Ohio. Filed Dec. 13, 1921. Serial No. 522,035. 3 Claims. (Cl. 184—6.)

1. A lubricating system for internal combustion engines comprising an oil storage tank divided by means of a horizontal strainer into a relatively large upper compartment and a relatively small lower compartment, an oil inlet below said strainer, a perforated oil distributor pipe connected to said inlet and adapted to distribute oil evenly in said lower compartment, an oil outlet above said strainer, and a filler cap removably inserted in an opening in said tank and provided with an air port for maintaining atmospheric pressure within said tank.

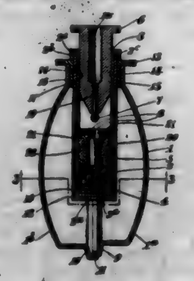


1,539,608. FIRE SCREEN. EDWARD M. TARPLEY, Franklin, Ky. Filed June 28, 1924. Serial No. 721,899. 2 Claims. (Cl. 126—202.)



1. In combination with an open fireplace, and a mantel therefor, of a fire screen, comprising posts, rods passing freely through the posts and having angle ends which are pivotally supported from the sides of the mantel, longitudinal bars loosely connected to the angle ends of the top rods, and means for suspending the screen in folded condition from beneath the shelf of the mantel.

1,539,609. LIFE-CONSERVING GRENADE. WILFRED J. TAYLOR, Thompson, Conn., assignor to Stephen James De Lanoy, Trenton, N. J. Filed Mar. 1, 1921. Serial No. 448,808. 13 Claims. (Cl. 102—29.)

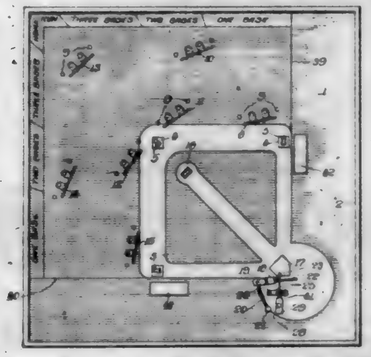


10. A life-conserving grenade having a pyroxylin plastic flask made up of joined portions, the joint between said portions being of less strength than the material of the flask.

1,539,610. BASEBALL GAME BOARD. ROBERT BENEDICT TRACY, Chicago, Ill. Filed June 11, 1921. Serial No. 476,912. 2 Claims. (Cl. 273—89.)

1. In a device of the class described, the combination of a board simulating a baseball field, suitable markings along the margins of said board, a player simulating

figure hinged at each base for raising from horizontal to vertical position, a striking lever pivoted to said board at one side of a simulated home plate, a tension spring



for actuating said striking lever to sweep over said plate, a manually releasable latch for holding said striking lever in opposition to said spring and a plurality of lever engaging means on said latch.

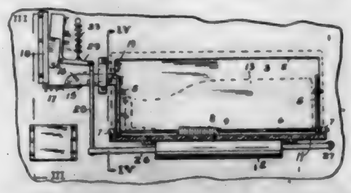
1,539,611. AIR-VENTILATED CONSTRUCTION AND BUILDING UNIT USED IN CONNECTION THEREWITH. EMORY E. TROWBRIDGE, Kansas City, Kans. Filed Apr. 6, 1923. Serial No. 630,190. 2 Claims. (Cl. 72—41.)



1. In building wall construction, the combination with a plurality of hollow building units having interior partitions arranged in tiers to form continuous communicating air passages, ports in the exterior walls and interior partitions of selected units and between the passages whereby the air will pass continuously from one side of the wall down one passage and in an opposed or upward direction through the other passage, and out from the other side of the wall.

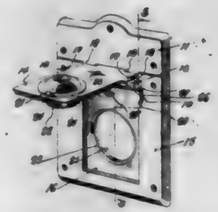
1,539,612. COIN-CONTROLLED VENDING MACHINE. ROSS VAUGHAN, Pittsburgh, Pa., assignor to The Ex-El Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Nov. 20, 1920. Serial No. 425,377. Renewed Apr. 14, 1925. 1 Claim. (Cl. 194—1.)

In a coin-controlled vending machine, a casing having a front opening, a door hinged at the bottom of the opening and adapted to close the opening, an article support connected to the lower portion of the door and projecting into the casing, a lever pivoted at one end to the casing and having a projection extending through the article-support and above its upper surface and adapted to be depressed by an article resting on the support, a



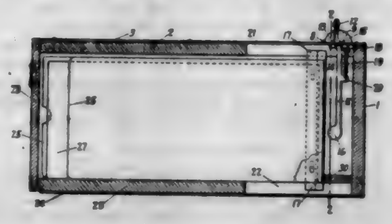
coin slot, means to close the slot, and means tending to close the slot but prevented from so doing by the lever when depressed, the said bottom lifting the article from the projecting means at each operation of the door in opening.

1,539,613. WARDROBE-TRUNK LOCK. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed Mar. 12, 1924. Serial No. 698,666. 3 Claims. (Cl. 70—115.)



1. A device of the character described, comprising a hasp, means pivotally mounting the hasp, a keeper plate having a recess in its front face to conform with the shape of and receive the hasp with its outer surface flush with the outer surface of the keeper plate, means for securing the hasp in the keeper plate recess, and interlocking projections carried by either the keeper plate or hasp for relieving the strain on the means for securing the hasp in the keeper recess, said projections being substantially flush with the outer surface of the keeper plate and hasp when the plate and hasp are engaged.

1,539,614. FILING CABINET. MAX C. WHITMORE, Dayton, Ohio, assignor to Joseph R. Kathrens, trustee, West Milton, Ohio. Filed Apr. 12, 1923. Serial No. 631,505. 4 Claims. (Cl. 129—16.1.)



4. The combination with a filing cabinet, of a series of card holders adapted to be moved outwardly therefrom to advanced positions, an index on the top of the cabinet containing a number of headings, an indicating

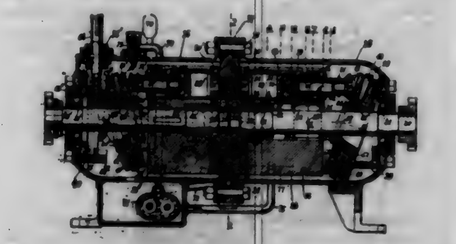
member movable over the top of the cabinet into registry with said headings, the top of said cabinet containing an opening behind said headings, and a kicker member pivotally secured to said indicating member and projecting downwardly through said opening in the cabinet top to engage and force outwardly a holder containing a card corresponding to the heading with which the indicating member is alined, when the top end of said kicker member is drawn rearwardly.

1,539,615. NONSKID DEVICE. LYMAN A. WILDMAN, South Bend, Ind., assignor to Universal Skidless Chain Co., Niles, Mich., a Corporation of Delaware. Filed Jan. 27, 1925. Serial No. 4,985. 3 Claims. (Cl. 152—14.)



1. In an anti-skid device, a transverse anti-skid member composed of pivoted, thin links having outer road engaging points, and having terminal end plates provided with flanges pivotally secured thereto, and hinge plates pivotally connected to the outer ends of said terminal plates and having transverse outer eyes, adapted to be engaged by the links of the side wall chains.

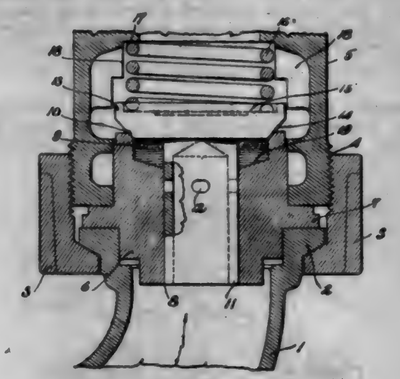
1,539,616. VARIABLE-SPEED GEAR. HARVEY D. WILLIAMS, Wallingford, Conn., assignor to The Waterbury Tool Company, Waterbury, Conn., a Corporation of Connecticut. Filed July 27, 1920. Serial No. 399,364. 18 Claims. (Cl. 103—162.)



1. In an apparatus for operation with a fluid in motion, a rotary barrel having cylinders extending lengthwise of its axis of rotation, pistons arranged to reciprocate in said cylinders, push rods in operative relation to said pistons within the cylinders but out of contact with the cylinder walls, balls interposed between said push rods and the respective cylinder walls, and a rotary plate inclined to the barrel axis and operatively related to said push rods.

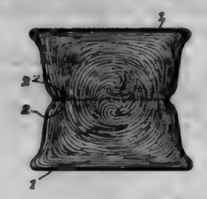
1,539,617. CHECK VALVE. WILLIAM H. WILLISTON, Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed July 19, 1923. Serial No. 652,584. 5 Claims. (Cl. 251—146.)

1. Apparatus of the character described comprising a fluid passageway having therein a main valve and an auxiliary valve with a fluid space therebetween, and means interconnecting said valves to cause the auxiliary



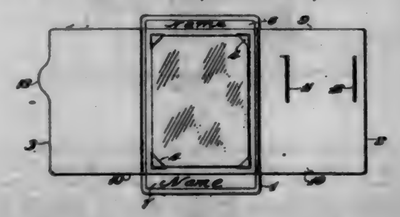
valve to restrict and close the passageway before the main valve seats, thereby to trap fluid in said space to cushion the seating of the main valve.

1,539,618. TIRE AND METHOD OF MANUFACTURE. HARRY WILLSHAW, Buffalo, N. Y., assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 746,287. 5 Claims. (Cl. 18—12.)



5. The method of producing solid rubber tires which consists in extruding a rubber rod of a cross-section corresponding to two tires with its outer faces corresponding to the bases of the tires, splitting said rod into two and molding a tire from each of said rods and a non-skid face on the cut faces of the rubber.

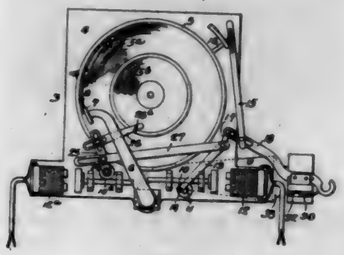
1,539,619. PHOTOGRAPH OR LIKE MOUNT. OLIVER G. WOOD, Philadelphia, Pa. Filed Jan. 10, 1924. Serial No. 685,338. 1 Claim. (Cl. 40—158.)



A photograph or like mount comprising a backing provided with lateral, foldable flaps adapted to be folded into overlapping position upon the display face of said backing, which display face is arranged to recieve a photograph and also to have depicted thereon the name of the photographer making such photograph, the

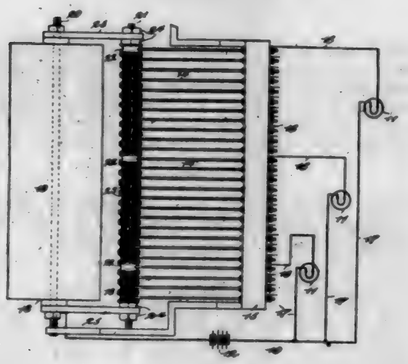
backing and flaps being so constructed and proportioned with respect to one another that in said overlapping relation of said parts at least a portion of said backing display face remains uncovered to disclose the name of the photographer making said photograph, and means for interlocking said flaps with respect to one another.

1,539,620. BURGLAR AND FIRE ALARM. WILLIAM M. WOSSOFF, Merchantville, N. J. Filed June 11, 1920. Serial No. 388,333. 11 Claims. (Cl. 179—5.)



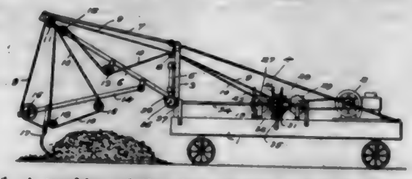
1. In an alarm or signaling system, a phonograph or talking machine, a record therefor having a plurality of sets of grooves, a pivotally mounted tone arm with a needle adapted to engage either set of grooves, a stop normally rendering the record inactive, electrically controlled means for releasing said stop, and means for automatically transferring the needle from one set of grooves to another set of grooves simultaneously with the release of the record holding stop.

1,539,621. CIRCUIT-CONTROLLING DEVICE. EDWARD G. ACKER, New York, N. Y. Filed Feb. 5, 1921. Serial No. 442,713. 1 Claim. (Cl. 200—26.)



A convertible circuit making and breaking device comprising a base, a plurality of contacts having one of their ends passing through said base and held in fixed parallelism therein, a movable part for simultaneous movement therewith, a plurality of insulators and conductors of like shape and size and each being provided with a circumferential channel shaped groove for receiving the free ends of the conductors and means for detachably securing the conductors and insulators in a manner whereby they are interchangeable for the purpose specified.

1,539,622. MANURE LOADER. ED L. AMUNDSON, Henning, Minn. Filed May 8, 1923. Serial No. 637,580. 2 Claims. (Cl. 214—138.)



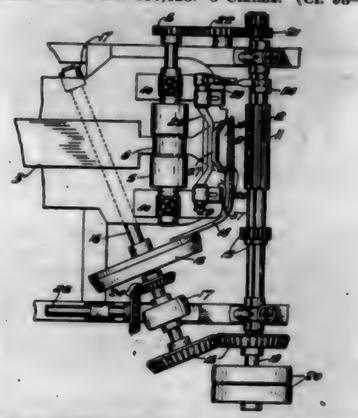
1. A machine of the class described having a mast, a boom depending therefrom, a loading device extending from the boom intermediate its ends, operating cables for said loading device, pulleys on said boom on opposite sides of the loading device over which the respective cables pass, one of said cables being fastened to said mast, another of said cables being fastened to said loading device, pulleys on the mast over which each cable passes, and independently operable drums to control the respective cables.

1,539,623. LOOSE-LEAF BINDER. HUBERT AUBURN, Mount Healthy, Ohio. Filed Mar. 1, 1924. Serial No. 696,219. 1 Claim. (Cl. 129—12.)



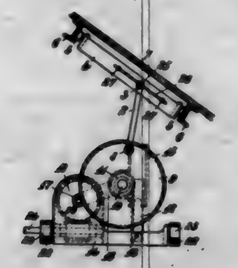
In a binder of the class described the combination with a tubular housing having an open end and a sealed end, of a locking device contained within the housing, an actuating plate for the locking device contained within the housing and having its one end reciprocable through the open end of the housing, and a flanged finger piece carried by the last mentioned end of the actuating plate and adapted to enter the opening in the housing with its flanged portion in abutment with the open end of the housing.

1,539,624. CUT-OFF DEVICE FOR BAG-MAKING MACHINES. TRUE M. AVERY, Glens Falls, N. Y., assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y., a Corporation of New York. Filed Aug. 15, 1923. Serial No. 657,623. 8 Claims. (Cl. 93—33.)



3. In a bag-making machine embodying a support for a paper tube, a knife having a cutting edge presented perpendicularly to one side of the tube, and a breaker arm to coact with the tube and cause cutting thereof on said knife, the breaker arm and knife being mounted to operate, one past the other, through substantially concentric axes.

1,539,625. CAR-BODY-TIPPING DEVICE. OTTO BALLERT, Berlin, Germany. Filed Apr. 25, 1924. Serial No. 708,975. 18 Claims. (Cl. 298—21.)



1. A car-body tipping-device, comprising, in combination: a jack-frame located below the car-body bottom, and pivots journally connected with said frame and being located in the longitudinal axis of the car; an upwardly extending rack hinged to said frame; a cog-wheel meshing with said rack; means to keep the latter constantly in mesh with said cog-wheel; an axle connected firmly with the said cog-wheel and extending to both sides thereof; two larger cog-wheels secured to the ends of said axle and connected firmly therewith; two connecting-rods hinged at their lower end to said larger cog-wheels and at their upper ends to the car-body; means for carrying the said axle with its cog-wheels, and means for transmitting motion to the said two larger cog-wheels.

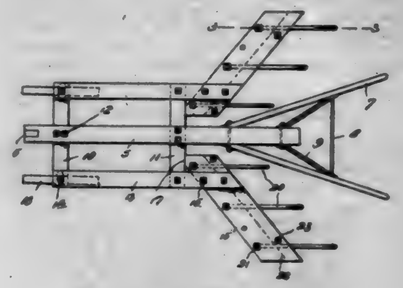
1,539,626. ADVERTISING AND HOSIERY-INSPECTION DEVICE. JOHN EDMUND BARTLETT, Birmingham, Ala., assignor to Bar-Trex Manufacturing Co., Inc., Birmingham, Ala., a Corporation of Alabama. Filed Jan. 25, 1924. Serial No. 688,548. 5 Claims. (Cl. 211—21.)



1. In apparatus of the class described comprising a base, a central support thereon, a frame of substantially frusto-pyramidal form suspended from said support and being rotatable about the support, translucent panels for receiving advertising in said frame, illuminating means within the frame, means for rotating said frame, a translucent form supported above, said frame and fixed to rotate therewith, illuminating means within the form, spaced contact fingers rotating with said form and frame, stationary spaced and insulated rings in connection with a source of current supply in position to be engaged by said contact fingers during the rotation of said frame, and means to cause rotation of the frame.

1,539,627. CULTIVATOR. JERVIS L. BATES, Belmont, Miss. Filed Sept. 27, 1923. Serial No. 665,061. 1 Claim. (Cl. 97—167.)

A straddle row cultivator comprising a frame including a centrally disposed beam, a pair of handles rigidly secured to the inner end of the beam for manipulation by a walking attendant, a pair of longitudinally disposed side bars positioned in spaced parallelism from opposite sides of said beam, said side bars being of a length less than the beam, a pair of longitudinally spaced cross bars secured to the under faces of said beam and side bars, the cross bar at the inner end of the device being spaced inwardly from the corresponding ends of the side bars, a



pair of rearwardly diverging members comprising main bars secured to the under side of the aforesaid side bars and having their inner ends abutting the adjacent cross bar, bolts extending through said diverging main bars, clamping bars carried by the main bars, and cultivating teeth provided at their free ends with eyes connected to said bolts and having their intermediate portions held against said main bars by said clamping bars.

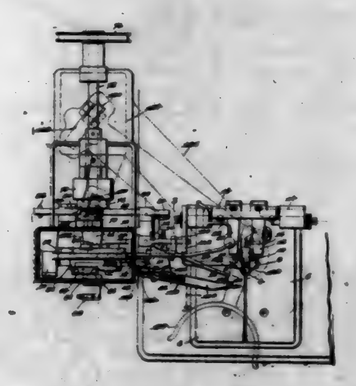
1,539,628. COMBINED DRILL AND TAP. JOHN J. BAYNE, Brooklyn, N. Y. Filed June 12, 1923. Serial No. 644,949. 1 Claim. (Cl. 10—140.)



A combined drill and tap comprising a stem having a twist drill point at one end, the grooves of which gradually decrease in depth and terminate in oppositely disposed longitudinal grooves and having other intermediate longitudinal grooves starting at the inner end of the drill point and terminating at the inner end of the shank and having longitudinal portions separated by the longitudinal grooves, said portions being provided with

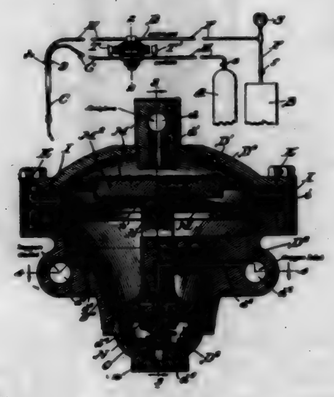
thread sections which merge into the cutting edges of the drill point, said longitudinal grooves being of the depth and width of the inner ends of the grooves of the twist drill point.

1,539,629. WORK-SPACING MECHANISM FOR BUTTONHOLE-SEWING MACHINES. LEWIS J. BARSONI, Swampscott, Mass., assignor to United States Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Apr. 16, 1921. Serial No. 461,944. 22 Claims. (Cl. 112—65.)



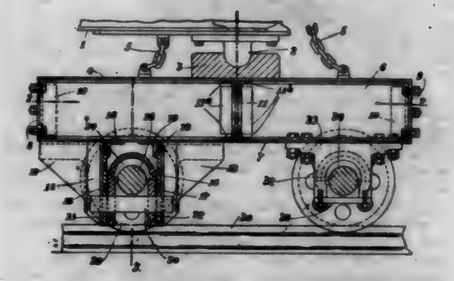
1. A buttonhole sewing machine having, in combination, buttonhole sewing mechanism, and work spacing means including a buttonhole engaging device movable crosswise of the buttonhole.

1,539,630. PRESSURE-BALANCING VALVE FOR OXY-ACETYLENE WELDING. JAMES B. BRAIRD, Shreveport, La. Filed Dec. 20, 1921. Serial No. 523,800. 2 Claims. (Cl. 137—78.)



1. A pressure balancing valve comprising a casing, a flexible diaphragm arranged in the casing and dividing the same into two chambers, a source of fluid communicating with one chamber for moving the diaphragm outwardly thereof, said casing having a neck in the other chamber in substantially coaxial alinement with the diaphragm opening away from the diaphragm and adapted to communicate a second source of fluid with the second chamber, a spring seated valve fitting against said neck for normally closing the same and arranged to move toward and from said diaphragm, and a direct connection between said diaphragm and said valve for unseating the latter upon the movement of the diaphragm toward said neck.

1,539,631. TRUCK FOR EXCAVATORS OF THE DRAG-LINE TYPE. HUBERT OSWALD BEDCOCK, Glasgow, Scotland, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Filed June 10, 1924. Serial No. 719,218. 7 Claims. (Cl. 105—28.)



1. A supporting truck for a drag-line excavator having a body, a wheel-carrying axle, a saddle on the body and having bearing on the axle, the saddle depending below the axle, and a pivot pin connecting the opposing parts of the saddle below the axle.

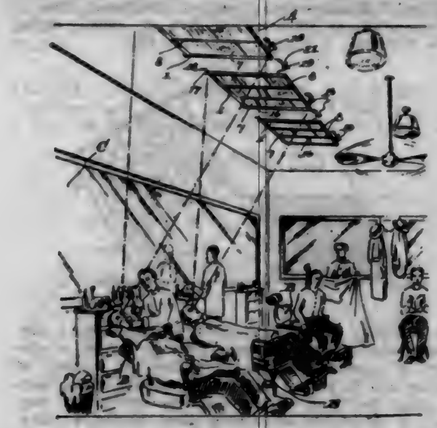
1,539,632. METAL SHINGLE. GEORGE A. BELDING, Billings, Mont. Filed Oct. 20, 1922. Serial No. 595,770. 5 Claims. (Cl. 108—17.)



1. A sheet metal shingle or the like having an upturned flange on one end and an underturned L-flange on the other end provided with a downturned, outwardly inclined lip for engagement with the next lower shingle and a clip having a socket engaging over the upturned flange on one shingle and with a flange on one side secured to a roof and a tongue flange on the other side engaging the L-flange of an overlapping shingle, there being an upwardly inclined lip on the engaging tongue of the clip.

1,539,633. DISPLAY PANEL. FRANK W. BENTON and CHARLES C. BENTON, Wilson, N. C. Filed Aug. 25, 1924. Serial No. 734,084. 11 Claims. (Cl. 40—125.)

8. A display device comprising a frame having grooves or recesses in opposite sides thereof, a division strip extending between said sides, and retaining members pivotally engaging the ends of the strips and slidably engaging the grooves in the frame sides and adapted to be swung into and out of engagement with said grooves.



1,539,634. SIGNAL. GERTRUDE BESSON, Indianapolis, Ind. Filed Aug. 29, 1924. Serial No. 734,996. 2 Claims. (Cl. 177—329.)



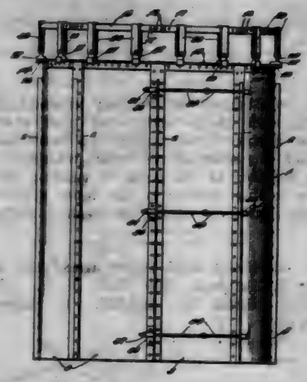
1. An automobile signal comprising a T-shaped support and three rectangular casings, one of the casings having a width co-extensive with the length of the upper arm of the T and suported thereon the other two being located at the sides respectively of the first-named casing with their tops substantially below the top of said first-named casing and supported at the ends of the upper arm of the T, a signal plate for each of said casings, means on the latter for slidably receiving a signal plate in a face of the casings, and holding means providing for the removal of said signal plates at the top of the first casing and the outer sides of the outside casings, substantially as set forth.

1,539,635. THERMOSTATIC CIRCUIT CLOSER. JOHN M. BIGGS, Helena, Ark. Filed Oct. 31, 1921. Serial No. 511,870. 3 Claims. (Cl. 200—142.)



1. A circuit closer comprising a pair of substantially flat plates, means for securing said plates in superposed relation, said plates being formed of non-conducting material, the contacting faces of said plates being provided with arcuate cavities, radial cavities extending from the ends of said arcuate cavities to the edge of said plates, the bottom of each of said radial cavities being open, the cavities in one plate being adapted to aline with the cavities in the other plate to form a central recess, a pair of contacting members arranged in the arcuate portion of said recess, the upper ends of said conductors extending through the portion of the recess formed by the radial cavities and projecting beyond the edges of the plates, the lower end of said conductor members being offset and projecting from said plate through the portion of the recess formed by the open bottom of said cavities, and a combustible element normally retaining said offset ends in spaced relation.

1,539,636. MOLD. JOHN F. BITRICH, Chicago, Ill. Filed Sept. 29, 1924. Serial No. 740,665. 4 Claims. (Cl. 25—124.)



1. A concrete form including spaced circular walls, an annular flange at the upper end of the outer wall, spaced circular rings positioned above the upper ends of said walls, means connecting one of said rings with the flange on the outer wall, means connecting the inner ring with the inner wall and means positioned below said rings and engaging the hoisting power above said rings.

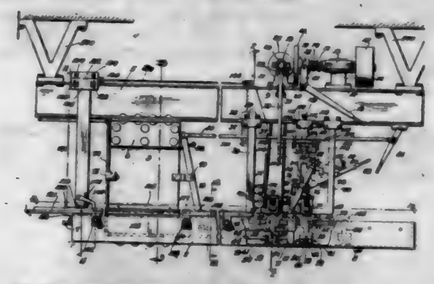
1,539,637. DENTAL INSTRUMENT. FINN J. BRONNER, Bradford, Pa. Filed June 4, 1923. Serial No. 643,312. 3 Claims. (Cl. 32—15.)



1. In a hollow medicated liquid applying device, a hollow penetrating instrument, a tube to which the instrument is connected, a cylinder slidably applied to the said

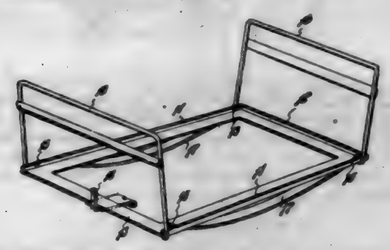
tube, the said tube and cylinder having means of communication, a cleaning pin stationary with relation to the instrument rotating means, and means whereby medicated fluid is delivered to the interior of the cylinder.

1,539,638. WELDING MACHINE. WILLIAM L. BROOKINS, Caledonia, Pa. Filed Feb. 28, 1922. Serial No. 539,887. 34 Claims. (Cl. 78—83.)



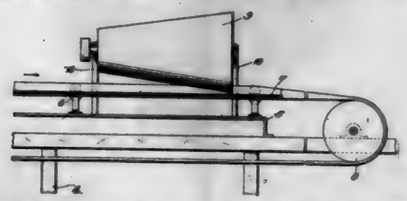
34. The combination of welding mechanism, means for feeding split shells under and past the welding mechanism, means to bear upon the inner surface of the shell at the sides of the split whereby to force said sides together at the point of welding, and means to apply a cooling medium to the inner surface of the shell at the split as it passes the welding mechanism.

1,539,639. HOLDER FOR PHOTOGRAPHIC PLATES. LEOPOLD C. BRUCKER, New York, N. Y. Filed Oct. 15, 1923. Serial No. 668,673. 5 Claims. (Cl. 95—100.)



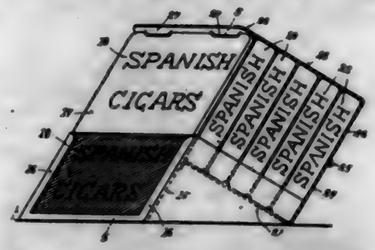
1. A holder for photographic plates comprising a frame, means for locking a photographic plate in said frame, and substitute rockers disposed beneath said frame.

1,539,640. MAGNETIC SEPARATOR. EDWARD H. BRUNS, St. Louis, Mo. Filed July 21, 1924. Serial No. 727,187. 6 Claims. (Cl. 83—71.)



1. In combination with a movable belt for conveying garbage, refuse, etc., a cone shape interceptor mounted above said belt and having its longitudinal axis arranged to lie parallel to the longitudinal axis of said belt for removing various sized bodies of predetermined characteristics from said garbage.

1,539,641. DISPLAY AND VENDING APPARATUS. EDWARD BRUNHOFF, Cincinnati, Ohio, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 2, 1923. Serial No. 672,433. 4 Claims. (Cl. 211—24.)



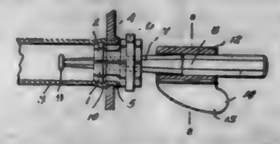
1. A display and vending apparatus comprising a supporting frame having a receptacle to receive a plurality of original packages in a row one in rear of another and to present and utilize the advertising matter upon the front of the packages for display purposes, a detachable advertising plate having a transparent section mounted in guides upon the front of said supporting frame, and a lid member extending from rear to front of said supporting frame transversely across the top of said original packages to retain said original packages in position.

1,539,642. JACK. ARTHUR E. BURNSIDE, South Jacksonville, Fla. Filed June 25, 1924. Serial No. 722,379. 2 Claims. (Cl. 254—103.)



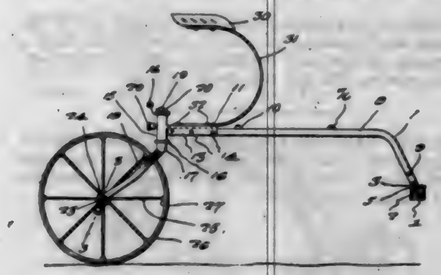
2. A jack of the class described comprising a spirally threaded shaft, a housing movably mounted on the shaft, a nut member rotatably supported in the housing and engaging the shaft, motor operated means for rotating the nut member circuits for the motor, switches arranged in the circuits and located on the housing and circuit breakers adjustably mounted on the shaft adjacent its ends for opening the switches.

1,539,643. FLUE EXPANDER. CARL BUSH, Mattoon, Ill. Filed Sept. 22, 1923. Serial No. 664,302. 2 Claims. (Cl. 153—80.)



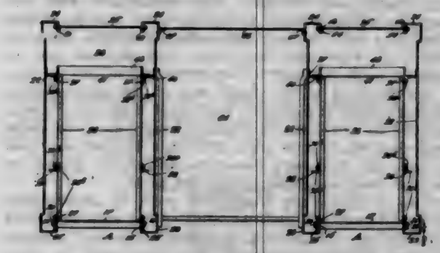
1. In combination a flue expander including an expansible head, a tapered expanding pin polygonal shaped in cross-section, an extractor mounted upon said pin and provided with a polygonal bore for fitting about the pin, said extractor adapted to have pressure applied thereto to release the expansible flue expanding head, and means for preventing removal of the expansible head from the pin.

1,539,644. RIDING ATTACHMENT FOR HARROWS. MORTIMER D. CADY, Amiret, Minn. Filed May 29, 1924. Serial No. 716,767. 2 Claims. (Cl. 55—91.)



1. A device of the class described comprising a plate formed with a bearing, a pair of angularly arranged frame bars having adjacently arranged ends mounted on said plate and diverging therefrom, adjustable and pivotal connections between the opposite ends of said frame bars and the frame of a harrow, a wheel carrying fork rotatably mounted in the bearing of the plate member, and a rider's seat mounted on said plate member.

1,539,645. DESK. EARL J. CARD, Jamestown, N. Y., assignor to Art Metal Construction Company, Jamestown, N. Y. Filed Aug. 18, 1921. Serial No. 493,208. 15 Claims. (Cl. 45—6.)



9. In a metal desk, the combination of side supporting members, means detachably connecting said side members at the front of the desk, a back member connecting said side members at the rear of the desk, said back member having tongues at its opposite vertical edges, and lateral flanges spaced inwardly from said edges, and disposed opposite to and spaced from said side members, said side members having in their inner sides vertical grooves into which said tongues extend in the direction of the plane of the back member, and releasable fastenings connecting said flanges and side members and acting when tightened to draw said flanges and side members toward each other to force said tongues firmly into said grooves and rigidly but detachably connect said side and back members.

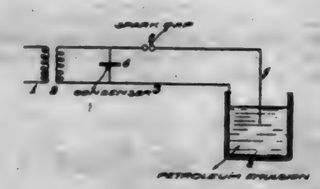
1,539,646. FISHING REEL. PLINT CATUCCI, Newark, N. J. Filed Feb. 26, 1924. Serial No. 695,181. 8 Claims. (Cl. 242—84.5.)

1. In a fishing reel, the combination of a reel frame having head and back plates, a spool mounted to rotate between said plates, means for rotating said spool to wind a line thereon, an anti-back-lash device mounted upon the said back plate, comprising a brake lever having a screw threaded stem pivoted upon said back plate, a brake shoe upon said lever and a tension device mounted upon said frame, in engagement with the free end of said brake lever and actuated by the



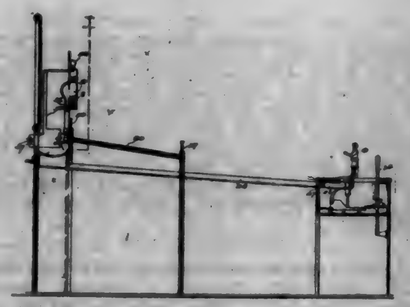
tension in the line for swinging said lever and brake shoe downwardly and outwardly away from the flange of said spool, and a spring upon said back plate engaging said lever to swing the same with said brake shoe into frictional engagement with said spool flange as and when the tension in said line is relaxed.

1,539,647. SEPARATING PETROLEUM EMULSIONS. DONALD ERNEST CHASE, London, England, assignor to Naamloose Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Filed June 3, 1924. Serial No. 717,559. 2 Claims. (Cl. 204—25.)



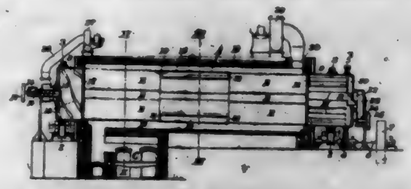
1. A process of separating the phases of emulsions by electrical treatment which comprises applying the electrical energy to the liquid in the form of a high frequency alternating current.

1,539,648. AMUSEMENT APPARATUS. ERNEST F. CHESTER and CHARLES P. CHESTER, New York, N. Y. Filed Dec. 7, 1922. Serial No. 605,406. 23 Claims. (Cl. 46—57.)



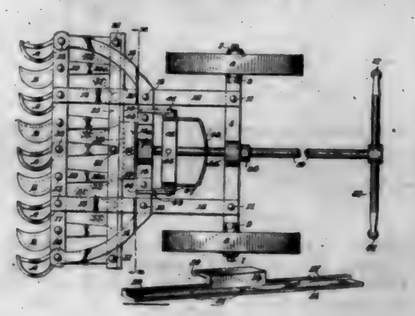
1. In a multi-contestant game, the combination of target means, a plurality of separately operable missile-projecting means each including a manual actuator, normally ineffective locking means for each projecting means, and means manually operable at will to render all said locking means simultaneously effective.

1,539,649. DRIER. LINDSAY R. CHRISTIE, Pittsburgh, Pa., assignor to Duff Patents Company, Incorporated, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 3, 1923. Serial No. 649,206. 11 Claims. (Cl. 34—6.)



7. In a drier, a rotatable drum for receiving material to be dried, said drum comprising a single compartment at each end thereof, and a plurality of drying compartments extending longitudinally of the drum and communicating at their opposite ends with said end compartments, said drying compartments being separated from each other by a plurality of heat ducts extending transversely through the drum and opening through the outer shell of the latter, said outer shell being continuous and imperforate throughout a substantial longitudinal section of the drum spaced a substantial distance from both ends of the latter, substantially as described.

1,539,650. BUSH TRIMMER. KARIMER DOMBECK, Amsterdam, N. Y. Filed Dec. 20, 1923. Serial No. 681,768. 2 Claims. (Cl. 56—246.)

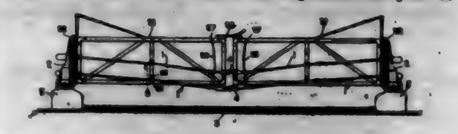


1. In a bush trimmer, a wheel supported frame having a pair of transversely disposed vertically spaced bars at its forward end, shear blades arranged in sets with the blades of one set alternating with the blades of the other, said blades being pivoted between said bars and having offset shanks extending rearwardly from the bars, a pair of bars each having the shanks of a respective set of blades pivoted thereto, racks on the confronting faces of said bars, a pinion between and meshing with the racks, a shaft journalled in said frame and carrying said pinion, and a handle on the rear end of said shaft.

1,539,651. BARRIER FOR FERRIES, DRAWBRIDGES, AND THE LIKE. WILLIAM J. DONOVAN, Boston, Mass. Filed Jan. 9, 1922. Serial No. 527,898. 8 Claims. (Cl. 39—1.)

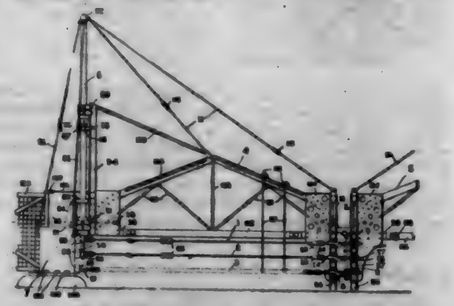
1. In a barrier for drawbridges, ferry boats and the like, the combination with two posts, of a flexible barrier connected at its ends to the posts and suspended therefrom, and means partially supporting the barrier in such a manner that the barrier may be freed therefrom upon being struck by a moving vehicle.

8. In a device of the class described, the combination with two posts, of an eye bolt yieldingly sustained by each post, a flexible barrier extending from one post to



the other, a link member connected to each end of the barrier and connected to one of the eye bolts, and a projection on each post co-operating with the link member to prevent the eye bolt from turning.

1,539,652. BARRIER FOR FERRIES, DRAWBRIDGES, AND THE LIKE. WILLIAM J. DONOVAN, East Boston, Mass. Filed Oct. 12, 1923. Serial No. 668,238. 22 Claims. (Cl. 39—1.)



1. In a barrier for closing the path on drawbridges, ferry boats and the like, the combination with two posts on either side of the path, of a flexible barrier comprising two sections suspended from the posts at their outer ends with their inner ends adjacent one another, a hook fastened to the inner end of one section, a link fastened to the inner end of the other section for removable engagement with said hook, and means operable to move said link longitudinally along the hook until the link is free from the point thereof and then to move the link away therefrom, thereby to disconnect the link from engagement with the hook.

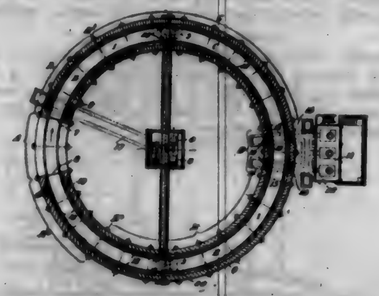
6. In a barrier for closing the path on drawbridges, ferry boats and the like, the combination with two posts on either side of the path, of a flexible barrier comprising two sections suspended from the posts at their outer ends with their inner ends extending toward one another, means removably connecting the inner ends of the barrier sections, barrier supports swingably carried by said posts and supporting said connecting means in such manner that upon being struck by a moving vehicle the barrier supports may swing away from the barriers, and locking means operable when the barrier supports swing away from the barrier to lock the connecting means in position connecting the ends of the barriers.

13. In a barrier for closing the path on drawbridges, ferry boats and the like, the combination with two posts on either side of the path, of gates swingably carried by said posts at their outer ends with their inner ends adjacent one another, a pin projecting from the inner end of one gate, a bar projecting from the inner end of the other gate past the inner end of the first mentioned gate, and a hook extending from said bar for hooking over said pin whereby the gates are normally held shut but when struck they may swing open, and when one gate is struck its movement opens the other gate.

22. In a barrier for closing the path on drawbridges, ferry boats and the like, the combination with two posts on either side of the path, of a flexible barrier suspended

between the posts, a barrier support supporting the barrier intermediate of the posts and automatically disconnectable from the barrier when struck, an elongated longitudinally extensible bowed buffer yielding transversely of the support and fastened at its ends to the support with the bow projecting in front of the barrier so that it may flatten against the support when struck and force the support away from the barrier.

1,539,653. ANNULAR MUFFLE FURNACE OR OVEN. ARTHUR MCDOUGALL DUCKHAM, London, England, assignor to Woodall, Duckham & Jones (1920) Limited, London, England. Filed July 24, 1923. Serial No. 653,576. 12 Claims. (Cl. 25—144.)



1. An annular muffle furnace or kiln comprising a heating section having enclosing walls separating it from the heating gases, a multiple arrangement of heating flues in said walls traversed by the heating gases, a plurality of gas supply flues leading to said heating flues, and damper means adapted to connect the gas flues with the heating flues in alternative parallel arrangements, the heating flues being otherwise isolated from each other along their length.

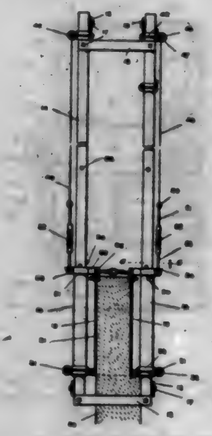
1,539,654. COOKSTOVE. MIKOLAJ DUSIENCZUK, Ellwood City, Pa. Filed June 26, 1924. Serial No. 722,516. 1 Claim. (Cl. 126—5.)



In a cook stove of the type described, a well formed in the stove for conducting heat from the oven of the stove into the room in which the stove is located for heating said room, and a valve structure carried by said well for controlling the amount of heat conducted, said valve structure including an inverted cup-shaped element slidable in said well and having apertures in its top, a stem connected to the cup-shaped element and having a T-shaped head, and a lid for the top of said well slidably carried by the T-shaped head.

1,539,655. WALL-MOLDING APPARATUS. WALTER THEODORE FELS, Philadelphia, Pa., assignor of one-half to Alice Corcoran, Philadelphia, Pa. Filed Aug. 4, 1924. Serial No. 729,965. 6 Claims. (Cl. 25—131.)

1. In a wall molding apparatus, a frame including uprights, members slidable vertically on said uprights, a form including a side plate having its upper edge portion hingedly connected with said members for the swinging movement of the lower edge portion of said plate toward and away from said uprights, and means



carried by said members and connected to the lower edge portion of said plate for swinging the plate toward and away from the uprights.

1,539,656. SHOCK ABSORBER. JESSE TOM FERGUSON, Meridian, Miss. Filed Oct. 12, 1923. Serial No. 668,152. 2 Claims. (Cl. 188—129.)



1. A shock absorber comprising a main member having resilient parts located side by side and adjustably connected, and an auxiliary member L-shaped in form one arm of which is equipped with means for connecting it to a vehicle axle and the other composed of laterally spaced resilient members fixed to opposite sides of said axle connected arm and located side by side, a loop-shaped friction element surrounding said resilient members and received slidably and closely between the parts of the main member, and means for adjusting the free ends of the resilient members of said head toward and away from each other to vary the pressure exerted by the friction element on the main element.

1,539,657. ROCK AND COAL DUST DETERMINING CABINET. ARNO CARL FIELDNER, Pittsburgh, Pa. Filed July 18, 1924. Serial No. 726,884. 11 Claims. (Cl. 23—253.)

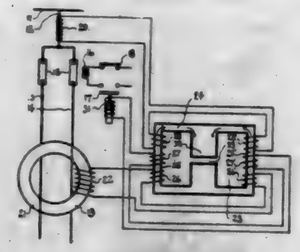
1. A rock and coal dust determining cabinet comprising a case having a plurality of vertical side walls, a bottom and a top, and a pair of horizontal partitions

disposed between the said walls, the upper partition of said pair constituting a weighing table terminating short of the lower partition, and the projecting portion of the



lower partition constituting a testing apparatus holding table freely exposed thereabove throughout its entire extent.

1,539,658. PROTECTIVE APPARATUS. ALAN S. FITZGERALD, Finchley, England, assignor to General Electric Company, a Corporation of New York. Filed May 23, 1924. Serial No. 715,461. 11 Claims. (Cl. 175—294.)



1. In an electric alternating current system, the combination of two conductors adapted to carry alternating currents of a predetermined ratio of magnitude, a magnetic structure adapted to be magnetized by the currents in the said conductors, a winding on said structure adapted to be excited only when said conductors carry currents differing from said predetermined ratio, and an electro-responsive device controlled in accordance with the current in said winding, said conductors and winding being so related to said structure as to regulate the effect of said current on said electro-responsive device inversely as the magnitude of the currents carried by said conductors.

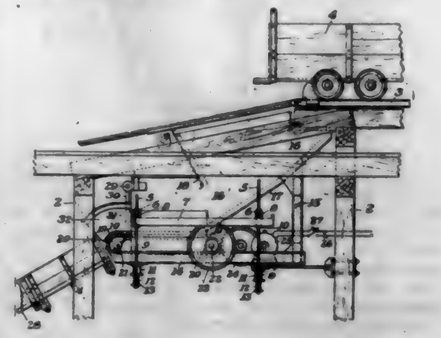
1,539,659. CHAFING SHIELD. SADIE A. FITZPATRICK, Lowell, Mass. Filed July 26, 1922. Serial No. 577,551. 1 Claim. (Cl. 128—149.)

A chafing shield, consisting of two twin members arranged oppositely, each having a free curved upper edge conforming to the shape of the body at the crotch and provided with upper extensions at front and rear extending upwardly into horizontal alignment with the waist of the wearer and having direct permanent vertical seam connection with each other at their upper ends and provided with belt loops, said members including said extensions being each cut from a single sheet of material, the main portions of the two members of the shield being free and unconnected and having a ventilating opening between the same along their curved upper edges and extending to near the waist line of the wearer



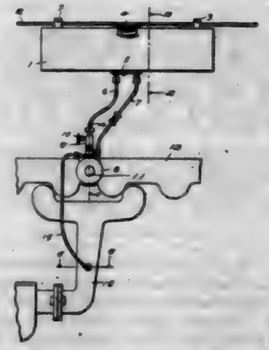
at front and back, said free curved upper edge being marginal to said ventilating opening, and the two members being foldable into flat form for ironing purposes.

1,539,660. WEIGH BASKET. FRANK L. FLEMING, Carrick Borough, Pa., assignor to Phillips Mine & Mill Supply Co., Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 30, 1923. Serial No. 677,905. 8 Claims. (Cl. 265—27.)



1. The combination with a weigh-basket for coal or the like, of an endless conveyor carried on said weigh-basket for forming a movable bottom for the weigh-basket hopper, means for driving said conveyor, and yielding means positioned over the forward end portion of said conveyor for retarding the discharge of the coal from the hopper by said conveyor, substantially as described.

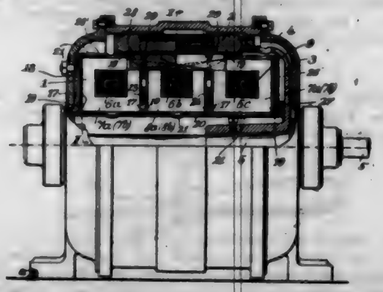
1,539,661. HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES. VAL F. FRANCK, Louisville, Ky. Filed May 29, 1923. Serial No. 642,284. 1 Claim. (Cl. 123—25.)



In an internal combustion engine, a humidifier having an upstanding wall, spaced apart rearwardly extending solid arms integral with said wall at the margin thereof

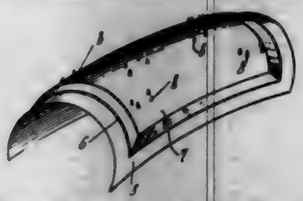
adapted to embrace and to be connected to the exhaust pipe of the engine, a lateral wall integral with the upstanding wall and extending in the opposite direction therefrom to said arms, an imperforate normally removable cap engaging said lateral wall and jointly with the same and said upstanding wall forming a vaporizer chamber, and means connected with said lateral wall between the upstanding wall and cap having communication with a source of water supply whereby a humidifying charge may be furnished to the engine.

1,539,662. ELECTRIC ALTERNATING-CURRENT MACHINE. HEINRICH FREI, Oberengstringen, near Zurich, Switzerland. Filed Feb. 13, 1922. Serial No. 536,269. 11 Claims. (Cl. 172—280.)



1. In an alternating current machine, three sets of magnets consisting of packets of magnetic sheets and three separate coaxially arranged ring coils for exciting said magnets, the packets of magnetic sheets of each magnet being symmetrically arranged to the centres of the pole pieces in the pole faces and the magnets of the individual sets being so closely located that the heads of the packets forming the pole faces of one set of magnets are arranged between the heads of the packets of the other sets, forming thereby a substantially uniform concentric polar surface and an armature member with appropriate symmetrically spaced exciting windings, said armature being within the magnetic field of the polar surfaces of the magnetic element.

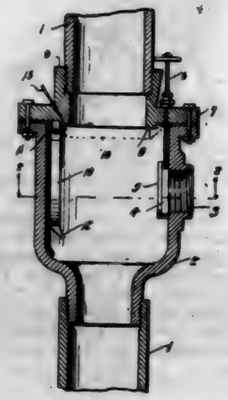
1,539,663. BLOW-OUT PATCH. MYRON D. GLASSBROOKER, Fresno, Calif. Filed Nov. 19, 1924. Serial No. 750,831. 1 Claim. (Cl. 152—24.)



A boot of the class described comprising a base section constructed of leather, an outer section constructed of leather, a layer of rubber disposed between the sections and secured to the sections, and spurs extending through the outer section and adapted to pierce the inner surface of a tire shoe in which the boot is positioned.

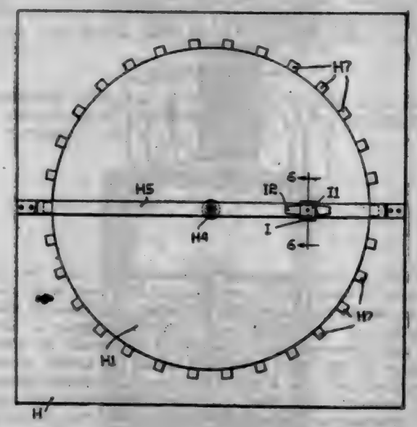
1,539,664. AUTOMATIC SAFETY DRILLING HEAD. SILAS L. GOULD, Los Angeles, Calif. Filed Oct. 10, 1923. Serial No. 667,701. 2 Claims. (Cl. 166—15.)

1. A safety device for oil and gas wells comprising a shell adapted to be interposed in the length of the well tube or casing and having an outlet, a valve pivotally mounted in the shell, said valve being normally free and vertically pendent and a lip on the free edge of said valve that is deflected inwardly with respect to the



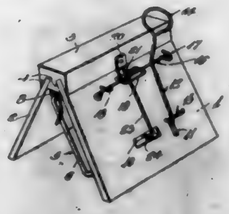
adjacent wall of the shell so that when the valve is in its pendent position the lip is in position to intercept the outflow of the well to initiate the closing of the valve and prevent waste of the product of the well.

1,539,665. GAME APPARATUS. THOMAS GREEN, Washington, D. C. Filed Apr. 17, 1924. Serial No. 707,215. 13 Claims. (Cl. 273—94.)



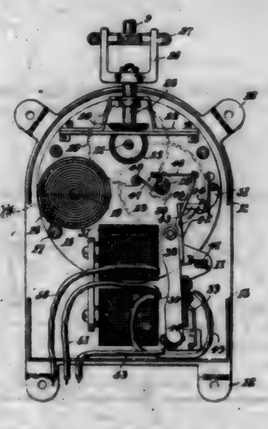
13. In a game apparatus of the kind described, a representation of a football field, a circular play diagram and a pointer, said diagram and said pointer being relatively rotatable and the pointer being shiftable relative to the axis of rotation, and said diagram consisting of concentric circles between which are annular sectional play zones bearing indicia identifying a zone for a plurality of purposes and indicating the same values for those purposes, substantially as described.

1,539,666. TRAP. GEORGE H. HAGEMANN, Muscatine, Iowa. Filed Jan. 21, 1924. Serial No. 687,611. 8 Claims. (Cl. 43—81.)



2. A trap comprising a pair of spaced walls one of which is formed with an opening from its inner to its outer side, a spring-actuated jaw mounted between said walls, a jaw-setting link extending from said jaw through said opening and adapted to be pulled outwardly and swung toward said one wall to set said jaw, and trigger-released means for holding said link to retain the jaw in set position.

1,539,667. SPRINKLER SYSTEM. TOMASZ HALAGARDA, Omaha, Nebr. Filed May 11, 1921. Serial No. 468,665; 6 Claims. (Cl. 137—139.)



2. In a valve operating mechanism, a valve having a stem, a shaft supported in axial alinement with said stem, means for connecting said shaft and stem so that rotation of the former will rotate the latter, a pair of gear carrying shafts positioned to extend at right angles to the last mentioned shaft, a spring motor mounted upon one of the last mentioned shafts, means for connecting the first mentioned shaft with the pair of right-angularly arranged shafts, means for normally retaining the spring motor inoperative, electric means for releasing said motor, a normally open circuit for the electric means, and means for closing said circuit when the operation of said valve is desired.

1,539,668. TEA-SERVICE TRAY. EDWARD L. HAMILTON, Long Beach, Calif. Filed Sept. 27, 1923. Serial No. 665,207. 1 Claim. (Cl. 126—261.)

A serving tray consisting of a hollow shallow body of considerable area provided with openings in its top for the retention of dishes, means to heat the hollow space of the tray, and widely spaced posts for an



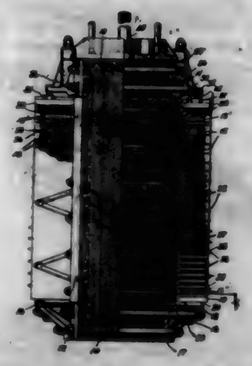
auxiliary tray rising from the top of the said body and each to the same height to dispose the auxiliary tray in spaced relation to and level with said top.

1,539,669. CUTLERY IMPLEMENT. EDWARD HAUSER, New York, N. Y. Filed Oct. 2, 1924. Serial No. 741,470. 5 Claims. (Cl. 294—5.)



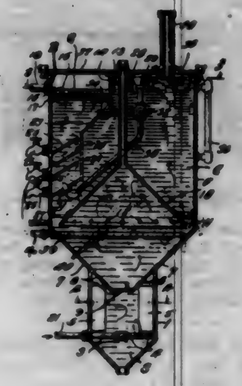
1. A cutlery implement embodying a handle, a supporting member carried by said handle, said supporting member comprising a main penetrating member adapted to penetrate the end of a corn cob and a pair of auxiliary penetrating members, the said auxiliary penetrating members adapted to prevent accidental movement of the corn cob with respect to said implement, and means for angularly adjusting said handle with respect to said supporting member.

1,539,670. STATIONARY INDUCTION APPARATUS. ALLAN B. HENDRICKS, Jr., Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 24, 1920. Serial No. 360,911. 2 Claims. (Cl. 175—356.)



1. In a high voltage transformer, the combination with a core, of a high voltage winding with its turns distributed non-uniformly along said core to withstand the effects of the high voltage, and a low voltage winding with its electrical center coinciding in position along the core with that of the high voltage winding, the distribution of the turns of the low voltage winding along the core substantially corresponding to that of said high voltage turns to reduce displacement forces between said windings.

1,539,671. APPARATUS FOR CLARIFICATION OF GASOLINE. RALPH HOLLAND and JOHN A. WIRT, Laramie, Wyo. Filed Feb. 23, 1924. Serial No. 694,608. 4 Claims. (Cl. 210—52.)



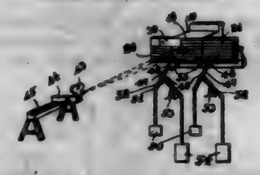
1. In an apparatus for clarifying the solvent used in cleaning fabrics, the combination of a cleaning tank in which the fabrics are placed, a solution tank to which a solution for clarifying solvent is supplied, a conduit leading from the cleaning tank to the solution tank, means for forcing the solvent from the cleaning tank into and through the solution tank, a second tank into which the solution tank discharges the mixture, filtering means arranged in the upper portion of said tank last named, and a conduit arranged to conduct the clean solvent after it has passed through the filtering means back to the cleaning tank in which the fabrics are placed for cleaning.

1,539,672. ELECTRIC-LIGHT INSTALLATION FOR ALTERNATING CURRENT. GILLES HOLST, Eindhoven, Netherlands, assignor to Naamlooze Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands, a Limited Liability Company of the Netherlands. Filed Sept. 29, 1920. Serial No. 413,468. 2 Claims. (Cl. 176—8.)



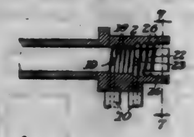
2. An electric lamp having a filament and base with terminals thereon, a condenser in the base, the lamp filament and the condenser being electrically connected in series to the same terminals in the base whereby the flow of current from the source of power is limited by the capacity of the condenser, said lamp and condenser forming a unit structure.

1,539,673. TITLING MACHINE. HARRISON H. HOOD, Los Angeles, Calif., assignor to Thinmeway Titles, Inc., Hollywood, Calif. Filed Mar. 21, 1923. Serial No. 626,648. 15 Claims. (Cl. 95—85.)



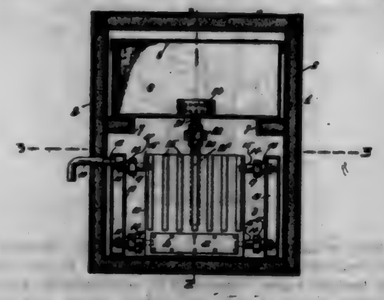
1. In a titling machine, a frame structure for displaying matter to be photographed embodying balancing means for controlling the frame structure in a plane transversely to the focal line of a camera.

1,539,674. METHOD OF MANUFACTURING FLEXIBLE METAL TUBING. EDWARD JAMES, Euclid, Ohio, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio, a Corporation of Ohio. Original application filed Aug. 5, 1911, Serial No. 642,532. Divided and this application filed July 20, 1923. Serial No. 652,737. 5 Claims. (Cl. 153—86.)



1. The method of manufacturing flexible tubing having a plurality of engaging coils of wire, comprising forcing the wires in a tangential direction relative to the formed coils and confining substantially the entire periphery of the last formed convolute of each of the coils during the formation thereof, and forcing the convolutes of an outer coil between the convolutes of an inner coil during such formation, substantially as described.

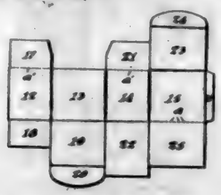
1,539,675. COOLING APPARATUS. HENRY G. JANCSY, Everett, Mass. Filed Oct. 6, 1922. Serial No. 592,775. 3 Claims. (Cl. 62—67.)



1. A cooler having a chambered heat-insulated body, a receptacle occupying an elevated position within the chamber of the body for containing a cooling medium, a cooling unit located below said receptacle within the chamber of said body and comprising a hollow plate arranged to occupy an upright position within said chamber, said plate having an outlet at the top thereof and a clean-out opening at the bottom, an escape pipe connection leading from said outlet, a detachable cover

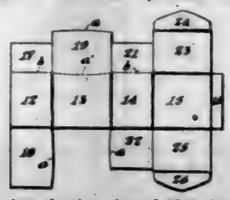
for the clean-out opening, and a pipe connection leading from said receptacle into the interior of said plate and terminating therein at a point adjacent said clean-out opening.

1,539,676. ICE-CREAM BOX AND METHOD OF MAKING THE SAME. ELIE W. LABOMBARDE, Nashua, N. H. Filed Jan. 16, 1924. Serial No. 686,511. 4 Claims. (Cl. 229—38.)



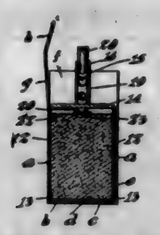
1. A foldable box blank cut and creased to provide four wall sections with foldable bottom and top flaps, said blank having an integral but separable section having an area and adapted and intended to closely fit the inside of the box when said blank is folded and set up to box form and to be freely pushed through the box.

1,539,677. LEAK-TIGHT FOLDED BOX. ELIE W. LABOMBARDE, Nashua, N. H. Filed July 12, 1924. Serial No. 725,542. 3 Claims. (Cl. 229—38.)



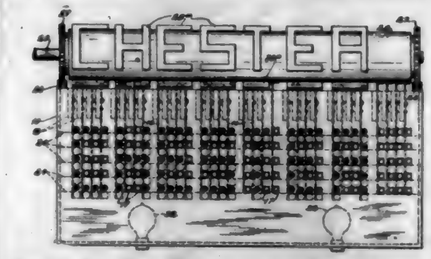
3. A paper box having interfolded bottom members one of which has a flap tucked upwardly against the inside of one of the walls of the box, another of said bottom members having an edge bearing against the said upwardly tucked flap, said bearing edge being curved from end to end.

1,539,678. METHOD OF PACKAGING ICE CREAM. ELIE W. LABOMBARDE, Nashua, N. H. Filed Sept. 11, 1924. Serial No. 737,081. 2 Claims. (Cl. 107—48.)



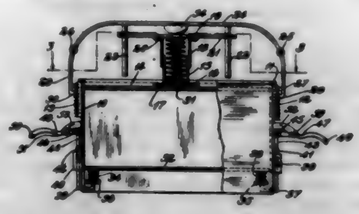
1. The method of producing a leak-tight package of plastic material contained in a paper box having interfolded bottom joints, consisting in mechanically holding the bottom joints of said box tightly closed, and while said joints are so held forcing the said material into said box and against the bottom thereof.

1,539,679. CAR STREET SIGN. ENOCH J. LARSON, Brooklyn, N. Y. Filed Dec. 27, 1923. Serial No. 683,006. 4 Claims. (Cl. 40—45.)



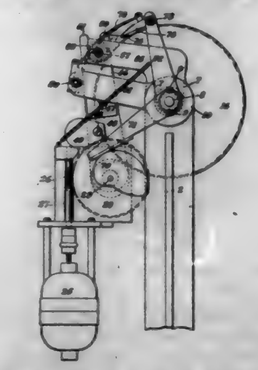
3. A car street sign, comprising an outer casing having a plurality of holes, and securely fixed to a street railway car roof, said casing having rigidly secured to outer top edges a pair of toothed tracks, a plurality of hole closing members, a roller mounted for rotation to depress said members in accordance with a predetermined outline on the roller to thereby open certain of said holes and having gear wheels to engage said toothed tracks for rotating the roller, said roller being carried on a suitable shaft carried in suitable bearings, said bearings being rigidly fixed to a suitable support.

1,539,680. HAM BOILER. RICHARD LIPPERT, New York, N. Y. Filed Mar. 30, 1925. Serial No. 19,337. 2 Claims. (Cl. 100—57.)



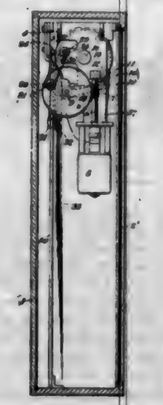
1. In a ham boiler, a movable top plate, a means for depressing said top plate, a means for locking said top plate in its depressed position, and a movable bottom plate in said container, a pair of springs engaging said bottom plate, a pair of angular brackets, tups at their inner ends forming seats for said springs, a means for operating said movable bottom plate to press against the bottom of the ham in the container and a means for locking the parts in their adjusted pressure exerting positions.

1,539,681. DISPLAY APPARATUS. LESLIE R. MCDONALD, Montreal, Quebec, Canada, Filed Mar. 17, 1923. Serial No. 625,928. 29 Claims. (Cl. 50—35.)



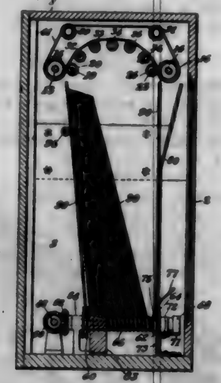
1. In a display apparatus, the combination of a rotatable placard carrier, a series of flexible placards each carried by one end thereby and adapted to be rolled in close contact with each other around the carrier, the free ends of the placards being of substantially the normal thickness thereof, and mechanical means for engaging with and successively separating the free ends of the placards.

1,539,682. DISPLAY APPARATUS. LESLIE R. MCDONALD, Montreal, Quebec, Canada. Filed Mar. 20, 1924. Serial No. 700,536. 10 Claims. (Cl. 40—35.)



1. In a display apparatus, the combination of rotating means and a rotatable placard carrier, a series of flexible placards each attached by one end thereto and partially rolled thereupon with their free ends depending therefrom, and means for engaging and lifting the free end of a placard.

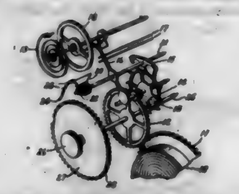
1,539,683. DISPLAY APPARATUS. LESLIE R. MCDONALD, Montreal, Quebec, Canada. Filed Apr. 1, 1924. Serial No. 703,386. 25 Claims. (Cl. 40—36.)



1. In a display apparatus, the combination of a plurality of independent, flexible placards, with supporting and shifting means embodying a pair of worms each having an enlarged end and placard transferring means.

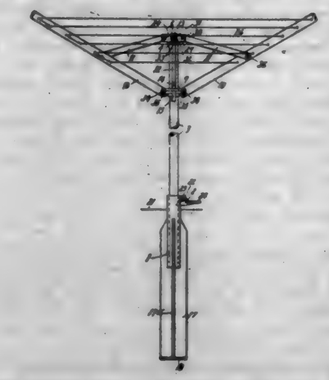
1,539,684. TIMING DEVICE. FREDRICK S. MARCELLUS and JESSE J. POWERS, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed Sept. 7, 1923. Serial No. 661,456. 1 Claim. (Cl. 58—33.)

In combination, an escapement clock work, an escapement shaft therefor, a pair of resilient electrical contact arms secured to said shaft, and relatively stationary electrical contacts in spaced relation to said escapement shaft, said resilient contact arms being arranged to be



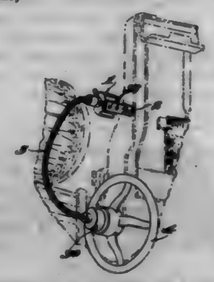
respectively oscillated against said relatively stationary contacts to stop the oscillatory movements of said shaft at the extremities of its normal oscillation.

1,539,685. CLOTHES DRIER. JOHN C. MICHAUD, Springfield, Mass. Filed July 19, 1924. Serial No. 726,925. 9 Claims. (Cl. 68—34.)



1. The combination, in a clothes drier, with a ground support consisting in part of a slotted socket, and a member pivotally connected with said socket, and comprising at one end a cover to close the top of said socket, and at the other end a lock to enter the slot in said socket, according to the position of said member, of a slotted reel post receivable in said socket, and adapted to receive in its slot said lock.

1,539,686. PICK COUNTER FOR LOOMS. ALBERT H. MORTON, Lowell, Mass., assignor to Morton & Morton, Inc., Lowell, Mass., a Corporation of Massachusetts. Filed Dec. 21, 1921. Serial No. 523,984. 2 Claims. (Cl. 235—1.)



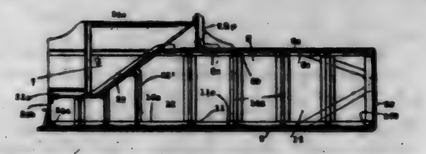
1. In a counting mechanism, the combination of a pair of counters; a drive shaft; a sleeve attached thereto; a driving element common to both counters and eccentrically related to said sleeve; and means for rotating said sleeve to shift the driving element out of driving relation to either counter into driving relation to the other.

1,539,687. WATER-CIRCULATING ATTACHMENT FOR INTERNAL-COMBUSTION ENGINES. GOTTLIEB MULLER, Philadelphia, Pa.; John B. Taylor administrator of said Gottlieb Muller, deceased. Filed Mar. 28, 1923. Serial No. 628,267. 1 Claim. (Cl. 123—175.)



In a combination an internal combustion engine having a water cooling system including a radiator and an inclined circulating pipe extending upwardly from the radiator bottom; a fitting for said pipe forming a propeller shaft bearing, an engine shaft, a fan belt pulley on the latter, an auxiliary grooved pulley detachably connected to the front of said fan belt pulley, a propeller shaft having a bearing in said fitting and horisontally extended therefrom, a propeller arranged in said fitting and fixed to the propeller shaft for positively circulating water through said pipe direct from the radiator bottom to the radiator top, a propeller shaft pulley, a belt connecting said engine shaft and propeller shaft, an idler over which the propeller shaft belt travels, and an arm adjustably supported at one end and carrying said idler at its other end, said auxiliary pulley, idler and propeller shaft pulley being in the same vertical plane and in advance of said fan belt pulley.

1,539,688. WELDED LOCOMOTIVE TENDER. JOSEPH WILLIAM MURPHY, Springfield, Mass. Filed Mar. 22, 1922. Serial No. 545,811. 2 Claims. (Cl. 105—236.)

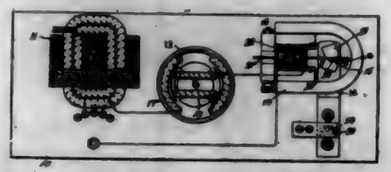


1. A locomotive tender having its bottom, side and end walls constructed of parts welded to each other, each of the walls being reinforced interiorly by angle beams welded to said walls, the welded joints between the angle beams and the walls providing inclinde surfaces capable of excluding all water and thus preventing a scouring action of the water of the tender between the angle beams and the engaged walls.

1,539,689. MANUFACTURE OF VAT COLORING MATTERS. PAUL NAWIASKY and KARL SAUERWEIN, Ludwigshafen-on-the-Rhine, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the Rhine, Germany, a Corporation of Germany. Filed Oct. 23, 1923. Serial No. 670,243. 3 Claims. (Cl. 260—60.)

1. As new articles of manufacture, vat coloring matters of the anthraquinone series representing anthraquinone carboxylic acid amide with a hydrogen atom of the amid group substituted by an anthraquinone residue and besides containing in one of the anthraquinone residues a group NHR in which R is a hydrogen atom or a radical other than an anthraquinone carboxylic acid residue, which coloring matters produce from orange to violet, but generally reddish shades, and dissolves in alkaline hydrosulfite solution brownish-red and are decomposed by boiling with alcoholic potassium hydroxid solution.

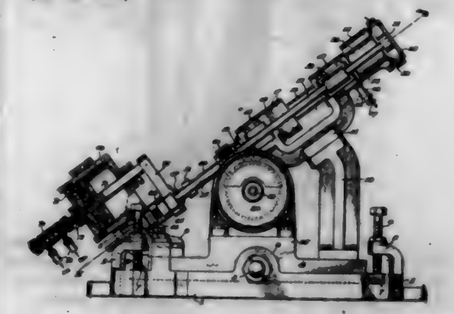
1,539,690. STROBOSCOPIC DEVICE. CLIFFORD A. NICKLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Aug. 7, 1924. Serial No. 730,718. 6 Claims. (Cl. 171—245.)



3. A stroboscopic device comprising a vibratory member provided with an observation opening, an electromagnetic vibrator responsive to an alternating current for vibrating said member, a source of alternating current for supplying said vibrator, a phase angle adjuster having relatively movable parts connected between said source of supply and vibrator for changing the phase angle of the current supplied to said vibrator with respect to the phase of the source of supply, a scale secured in fixed relation with one of the parts of said phase angle adjuster and a pointer cooperating with said scale secured to the other part of said phase angle adjuster whereby the phase angle adjustment may be determined.

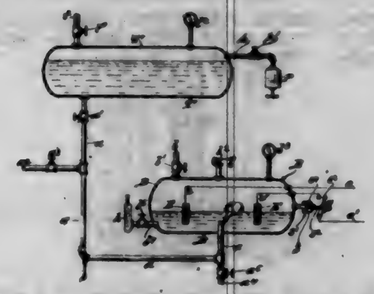
6. The method of measuring changes in the angle of lead or lag of a synchronous dynamo electric machine under different operating conditions which consists in observing the rotating element of said machine with a stroboscopic device which is energized from the alternating current terminals of said machine, changing the phase angle relation of the current supplied to said stroboscopic device so as to obtain the same stroboscopic appearance of the rotating element before and after the change in operating condition and then measuring the phase angle through which the current is adjusted.

1,539,691. CENTRIFUGAL CASTING MACHINE. BENJAMIN NOBLE, Detroit, Mich., assignor to Capitol Brass Works, Detroit, Mich., a Corporation of Michigan. Filed July 19, 1922. Serial No. 576,025. 12 Claims. (Cl. 22—65.)



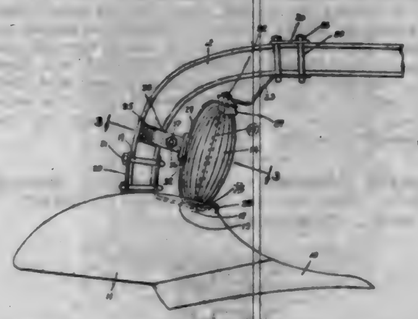
11. In a casting machine, a mold body, a mold shell detachably mounted in said body, an ejector extending into said mold shell and forming the bottom of a mold cavity in said shell, an air valve communicating with said mold shell and adapted to admit air to said mold shell, for cooling and cleaning purposes, and means adapted to simultaneously adjust said air valve and said ejector.

1,539,692. ELECTRICAL STEAM GENERATION. THEODALD H. NOLL, New York, N. Y. Filed Aug. 31, 1923. Serial No. 660,287. 5 Claims. (Cl. 219—40.)



1. In electrical steam heating apparatus of the character designated, the combination of a liquid reservoir tank, means for injecting air under pressure thereinto, a boiler connected with said reservoir tank by means which admit of the transfer of liquid from said tank to said boiler, electrodes positioned in said boiler and connected with an electric circuit, and an exit service steam conduit connected with said boiler, substantially in the manner and for the purpose set forth.

1,539,693. NONCHOKING ATTACHMENT FOR PLOWS. FLORIAN C. ORR, Hamlet, Ind. Filed Aug. 6, 1923. Serial No. 655,977. 4 Claims. (Cl. 91—194.)



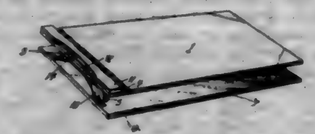
1. The combination with a plow having a mold board and plow beam, of a choking prevention roller pivotally mounted and spaced between the two, and a deflector depending from said beams and above the roller and therebetween and extending rearwardly and laterally adjacent the roller.

1,539,694. ABRASIVE COMPOSITION. HENRY R. POWER, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Apr. 5, 1921. Serial No. 458,803. 8 Claims. (Cl. 51—280.)

1. An abrasive composition comprising abrasive particles and a gum, said composition being substantially free from either silicate of soda or oil, substantially as described.

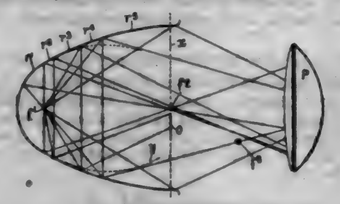
1,539,695. LOOSE-LEAF BINDER. EDWARD A. PRATT, Chicago, Ill. Filed Mar. 18, 1921. Serial No. 453,491. 9 Claims. (Cl. 129—5.)

1. In a binder of the character described, in combination, top and bottom cover members, posts upstanding from the bottom cover member, the top cover member having openings to receive said posts, a closure on the top cover to enclose the upper ends of said posts, and cut away for a portion of its length along the rear marginal edge of the binder, and a slidable plate within



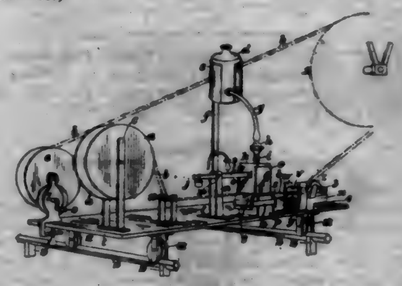
said closure adapted to have an impinging locking relation with said posts, and having an exposed finger hold portion coincident with the cut away portion of said closure.

1,539,696. LAMP. DUNCAN JAMES RITCHIE, London, England. Filed June 16, 1921. Serial No. 478,089. 3 Claims. (Cl. 240—41.)



1. In a head lamp, a reflector having a rear ellipsoidal portion and successive zones curving outwardly therefrom in a continuous curve, a source of light at one focus of such ellipsoidal portion, a projecting lens with vertical corrugations with the second focus of the rear portion substantially in the principal focal plane of the lens, and an obturator with an operative edge positioned transversely of the reflector in the focal plane of the lens, whereby the light collected by the reflector and directed through the lens forms a beam with a well defined upper limit, and a lateral spread at right angles to the corrugations of the lens greater than its spread in a direction parallel to such corrugations.

1,539,697. METHOD OF AND APPARATUS FOR COATING CINEMATOGRAPH AND OTHER FILMS. EDWARD ROBERTSON, Marylebone, London, and LIONEL M. WYLLIE, St. Pancras, London, England. Filed Jan. 5, 1923. Serial No. 610,936. 9 Claims. (Cl. 91—43.)

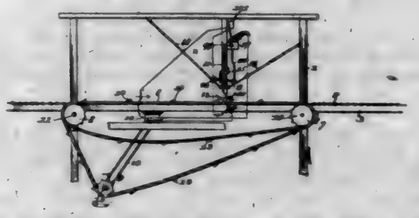


1. The method of coating cinematographic films in which the whole surface of the film including the perforated edges, is coated with a coating liquid adapted when dry to permanently coat and strengthen the film and the perforations are kept clear of the coating material by causing one side of the film to pass under a

distributing pad saturated with the said coating liquid while the other side of the film is in intimate contact with an absorbent pad approximately as wide as the film, the said film being elastically pressed between the pads so that any coating material passing through the perforations is absorbed, the holes remaining unclogged and the under-side or back of the film is wiped and kept free from any ridges or drops of coating material.

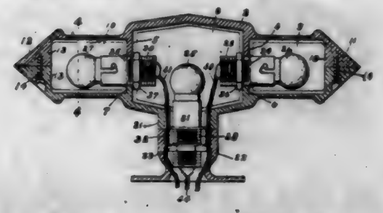
2. Apparatus for coating cinematographic and other films comprising a reservoir for the coating liquid, a distributer, adapted to coat the whole width of the film, a pipe connection between the reservoir and the distributer, an absorbent pad mounted below the film to receive the coating material, the said pad being approximately as wide as the film and adapted to receive such coating material as passes through the perforations and beyond the edges of the film, means for supporting the said pad, means for causing the film to be elastically pressed between the distributer and the pad, a spreading device to render the coating on the film uniform, means for supporting said spreading device, an absorbent pad below the said spreading device and means for elastically pressing the film between the said spreading device and said pad, substantially as set forth.

1,539,698. APPARATUS FOR CHECKING OR TALLYING UP LUMBER. EDMUND F. ROHTIGER, Thornton, Ark., assignor of one-half to The Stout Lumber Company, Thornton, Ark., a Corporation of Arkansas. Filed Oct. 10, 1921. Serial No. 506,589. 10 Claims. (Cl. 33—142.)



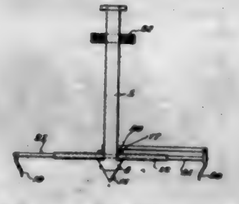
1. In a lumber tallying mechanism, a lumber conveyor driven at a definite rate of speed and having means whereby boards may be placed thereon at right angles to the path of movement of the conveyor, a counter, means for operatively connecting the conveyor with the counter to drive the latter from the former which includes board actuated means keeping the connecting means in operation while the board is passing a predetermined point, and means adapted to engage a board on said conveyor and to vary the relative speed of the counter and conveyor according to the length of the board.

1,539,699. DIRECTION INDICATOR. FREDERICK A. STOLTE, Indianapolis, Ind., assignor to Charles F. Eckler, Indianapolis, Ind. Filed Oct. 14, 1922. Serial No. 594,622. 9 Claims. (Cl. 177—329.)



1. In a direction indicator a housing formed of deformable complementary sections having walls with abutting edges so formed as to be normally spaced apart at their ends while touching between said ends and to be moved by the deformation of the sections into engagement, and means for drawing the ends of the sections into engagement, substantially as set forth.

1,539,700. CENTER PUNCH. NICK STRAMAGLIA, Chicago, Ill. Filed Feb. 5, 1921. Serial No. 442,885. 2 Claims. (Cl. 33—191.)

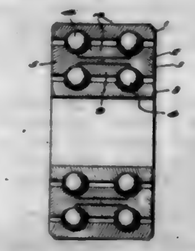


1. In a center punch, the combination, of a scribing point, an operating post upstanding therefrom, measuring arms movably supported relative to the point, means operatively connecting the post and arms to move the latter in opposite directions from the axis of said point, and a measuring tape carried by said post and operatively connected to one of the arms.

1,539,701. PROCESS OF BLEACHING, PRESERVING, AND INCREASING THE BAKING QUALITIES OF FLOUR AND OF OTHER MILLING PRODUCTS. EGBERT CORNELIS SUTHERLAND, Deventer, Netherlands, assignor to the Firm Naamlooze Vennootschap Industrieele Maatschappij voorheen Noury & Van Der Lande, Deventer, Netherlands. Filed Nov. 24, 1920. Serial No. 426,223. 32 Claims. (Cl. 33—42.)

1. A process for treating flour, meal or other cereal or analogous milling product, consisting in mixing the product with a reagent containing as its essential constituent, an organic peroxidized compound and thereafter carrying out a reaction of this compound upon said product, while mixed therewith and while maintaining the said product in a substantially dry and pulverulent condition.

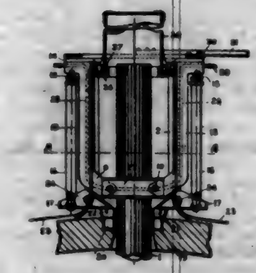
1,539,702. BEARING. STANISLAW SZUBA, Elizabeth, N. J. Filed Sept. 19, 1922. Serial No. 589,220. 2 Claims. (Cl. 308—183.)



1. A bearing of the class described comprising inner and outer members, having ball grooves therein, a central member formed of end sections having inwardly projecting extensions which are screw threaded on their exterior and interior faces, interior and exterior sleeves threaded to engage said threaded faces to hold the end members together, said members having grooves at their meeting points for forming ball grooves and balls engaging the grooves.

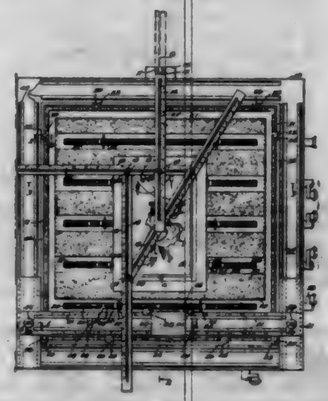
1,539,703. ELECTRIC FURNACE. LEONE TAGLIAFERRI, Genoa, Italy. Filed Oct. 17, 1922. Serial No. 595,205. 8 Claims. (Cl. 204—64.)

1. In an arrangement of the character described, a support, a cylinder mounted on the support, supporting brackets at the lower end of the cylinder, an electrode arranged in the cylinder, a support movable vertically in the cylinder for accommodating the electrode,



hydraulic cylinders and pistons respectively connected to the electrode support and the supporting brackets, and means for controlling the pressure in the hydraulic cylinders for regulating the adjustment of the electrode.

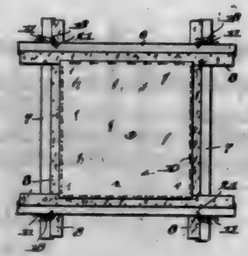
1,539,704. SQUARING DEVICE FOR CUTS AND FILMS. HARRY TEXOON, New York, N. Y. Filed July 7, 1923. Serial No. 650,054. 11 Claims. (Cl. 33—184.5.)



1. A squaring device for cuts or films, comprising a frame having means to support a cut or film thereon and having scales at right angles to each other, a square, and guides for the square disposed at right angles to each other for positioning the square on said frame and at different sides of the cut or film, and cutting means carried by the square and movable along one arm thereof.

1,539,705. EMBROIDERY FRAME. AARON WALDMAN, New York, N. Y. Filed Oct. 21, 1922. Serial No. 596,112. 1 Claim. (Cl. 45—24.)

An embroidery frame including a plurality of stretching bars, ratchet members secured to the outer faces of said bars and being arranged in longitudinal grooves formed therein, coupling devices formed in each corner of the frame for retaining the bars in operative position or frame formation, a lower rectangular sleeve forming a portion of each coupling device and adapted to receive one of said bars for slidable movement therein, a substantionally U-shaped guide formed on the sleeve of each device and arranged at right angles thereto for receiving the remaining bars of the frame, dogs passing through the outer side wall of each sleeve and guide respectively for operative engagement with the teeth of the bars, slotted spring pressed manipulating members receiving



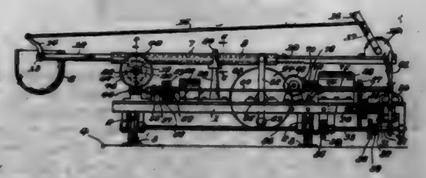
the outer ends of the dogs, normally holding the dogs in a position to engage the teeth and thereby hold the bars in the guides and sleeves respectively.

1,539,706. HEADDRESS. HULDA WALLMAN, Flushing, N. Y. Filed Nov. 20, 1924. Serial No. 751,166. 3 Claims. (Cl. 132—46.)



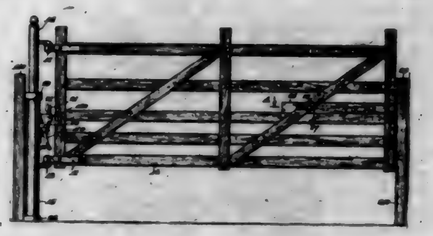
1. An ornamental headdress, comprising two head-encircling bands, means for adjustably securing said bands together, and means associated with one of said bands for clamping locks of the hair.

1,539,707. GLASS-GATHERING APPARATUS. WILLIAM WESTBURY, Canastota, N. Y., assignor to Laura Anna Westbury, Independence, Kans. Filed Jan. 28, 1924. Serial No. 689,062. 14 Claims. (Cl. 214—26.)



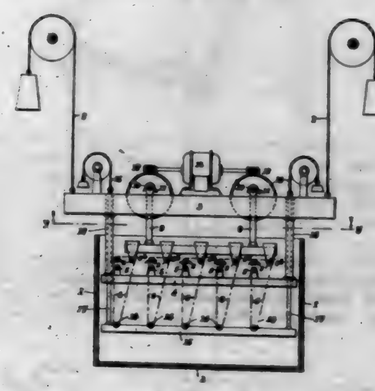
1. In a gatherer of the character described, the combination of a carriage, a vertically tilting arm mounted on the carriage and comprising telescopic sections, one of said sections being pivotally connected with the carriage at a point between its ends and the other slidably engaging said pivoted section, said slidable section having rack teeth, a ladle carried by the sliding arm section, means including a gear mounted concentric with said pivotal connection and meshing with the rack teeth for sliding said sliding arm section in or out to advance or retract the ladle, and means coupled to said pivotally mounted arm section for tilting said arm in a vertical plane.

1,539,708. GATE. MILTON WHITEFORD, Manito, Ill. Filed Aug. 20, 1924. Serial No. 733,217. 2 Claims. (Cl. 39—14.)



2. In a gate raising device, a vertically slotted tubular guide, means to fixedly secure said guide to a gate post, a standard vertically movable in said guide and extending above the top thereof, a rack on said standard, a pinion engaging said rack, a shaft carrying said pinion, bearings for said shaft, said bearings rigid with said tube, and hinge elements carried by the standard.

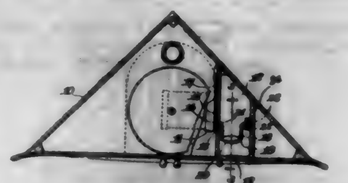
1,539,709. APPARATUS FOR USE IN DYEING OR OTHERWISE TREATING WITH LIQUID, FIBROUS MATERIALS IN SKEINS. FREDERICK THOMAS WOOD, Coventry, England, assignor to Courtaulds Limited, London, England. Filed Jan. 3, 1924. Serial No. 684,128. 6 Claims. (Cl. 8—13.)



6. Skein treating apparatus, comprising spaced stationary upper and lower members embraced within the skein, together with an independent member adapted to travel around the upper stationary member and intermittently lift the skein from said upper member, advance the skein with respect thereto and lower the skein upon said member whereby the skein is advanced step by step around the said stationary members.

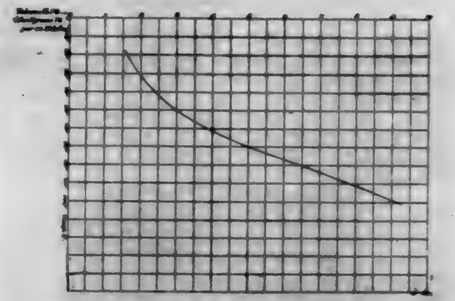
1,539,710. MOTOR WINDING HANDLE FOR PHONOGRAPHS. JACOB ZITTERMAN, Brooklyn, N. Y. Filed Feb. 25, 1924. Serial No. 695,074. 3 Claims. (Cl. 274—3.)

1. The combination with a phonograph including a spring motor and a cabinet housing the same having spaced walls within its confines defining a compartment alongside of the spring motor and a U-shaped winding handle disposed within said compartment the bight portion of which defines a hand grip and the free terminals of the leg portions of which respectively extend through bearing openings in the walls of the compartment, one of said terminals being connected with the winding shaft



of the motor and the other of said terminals being journaled in the bearing opening of the opposite wall whereby the said winding handle is disposed and operable wholly within the confines of the cabinet.

1,539,711. PROCESS OF TREATING ORES CONTAINING GALENA. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Sept. 30, 1919. Serial No. 327,400. 17 Claims. (Cl. 75—18.)



1. The process of treating ores containing galena which consists in lixiviating said ores with a concentrated solution of sodium chloride containing acid and thereby dissolving the lead from said galena in said salt solution.

1,539,712. PROCESS OF TREATING SULPHIDE ORES OF LEAD, SILVER, AND COPPER. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Oct. 8, 1919. Serial No. 329,333. 15 Claims. (Cl. 75—18.)

1. The process of treating sulphide ores and the like for the recovery of metals therefrom which consists in lixiviating said ores and the like with a hot concentrated chloride brine containing acid and thereby decomposing the simple sulphide minerals of lead, silver and copper which are contained in said ores and the like, and dissolving the metals of said minerals in said solution.

1,539,713. PROCESS OF TREATING LEAD-ZINC SULPHIDE ORES. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Oct. 13, 1919. Serial No. 330,320. 18 Claims. (Cl. 75—18.)

1. The process of treating zinc-lead sulphide ores and concentrates, which consists in treating the comminuted ore with a hot acid concentrated chloride solution, thereby dissolving the lead and silver in the galena as chlorides, separating the pregnant chloride solution from the residue of ore, and precipitating the silver and lead therefrom, treating the residue of ore from the foregoing treatment with hot concentrated sulphuric acid, thereby dissolving the zinc as a sulphate, separating the hot pregnant acid solution from the remainder of the ore, and cooling said solution and precipitating zinc sulphate therefrom.

1,539,714. PROCESS OF TREATING SULPHIDE ORES OF LEAD, SILVER, AND COPPER. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Apr. 9, 1920. Serial No. 372,691. 8 Claims. (Cl. 75—8.)

1. The process of treating sulphide ores and the like for the recovery of metals therefrom which consists in mixing said ores and the like with a hot concentrated chloride brine containing acid and thereby decomposing the simple sulphide minerals of lead, silver and copper which are contained in said ores and the like and dissolving the metals of said minerals in said solution, and separating said solution from the treated ore and precipitating dissolved metal therefrom with metallic lead and thereafter precipitating lead from said solution by electrolysis.

1,539,715. END BRACKET FOR AXMINSTER TUBE FRAMES. CHARLES H. COLLINS, Amsterdam, N. Y., and HOWARD MASON, Saxonville, Mass. Filed Nov. 21, 1923. Serial No. 676,138. 6 Claims. (Cl. 139—10.)



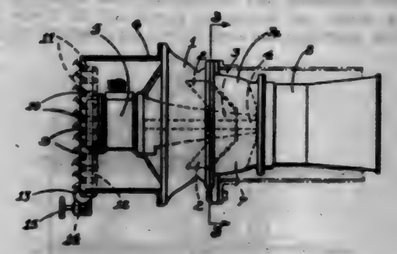
6. In a chain-engaging hook member for an end bracket for an Axminster tube frame, the combination of a piece of flat spring material and a formed block of metal securely attached to one end thereof so as to form a hook-like end thereon.

1,539,716. SHINGLE. WILLIAM T. CONLEY, Cambridge, Mass. Filed Aug. 23, 1923. Serial No. 658,996. 1 Claim. (Cl. 108—3.)



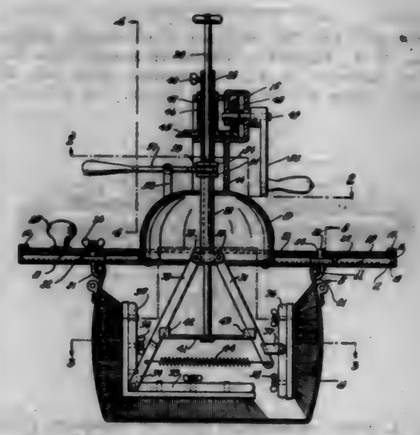
An individual diamond-shaped shingle having unbroken edges and its butt extended laterally at both edges to form a locking tab, said tab being foldable under the body of the shingle to provide pockets to receive and interlockingly engage the edges of adjacent shingles, each end of said tab being inclined inwardly in opposite directions from its center, the inclined inner portions conforming to the adjacent side edges of the shingle whereby the tab is concealed when folded and engagement with edges of adjacent shingles facilitated.

1,539,717. REGULATION OF MOTOR-DRIVEN BLOWERS. FRANK H. C. COPPUS, Worcester, Mass. Filed Nov. 7, 1921. Serial No. 513,497. 8 Claims. (Cl. 230—11.)



1. In a blower, the combination with a set of propeller blades driven at a predetermined speed and means for varying the volume and pressure of the blower discharge, of means for maintaining the power required to drive the blower constant for different rates of discharge.

1,539,718. POT-WASHING DEVICE. MAURICE L. CRUM, Chicago, Ill. Filed Aug. 22, 1923. Serial No. 658,692. 4 Claims. (Cl. 15—56.)

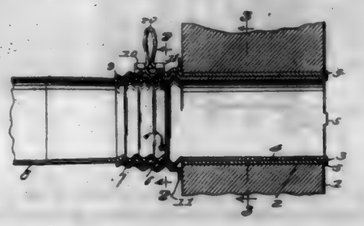


1. A pot cleaning device comprising in combination, means for mounting said device on a pot to support it on the top rim of said pot, a housing on said means and provided with a bracket, a tube mounted in said housing to rotate and to slide longitudinally therein, a lever fulcrumed on said housing to engage and move said tube vertically in said housing, means to rotate said tube, members connected to the lower end of said tube, cleaning means on said members, spreading means associated with the lower parts of said members for adjusting them and the brushes radially of the pot, and means in said tube for controlling said spreading means to adjust said cleaning members.

1,539,719. PIPE CONNECTION. WILLIAM H. DARNELL, Clayton, Mich. Filed Apr. 28, 1924. Serial No. 708,599. 1 Claim. (Cl. 126—318.)

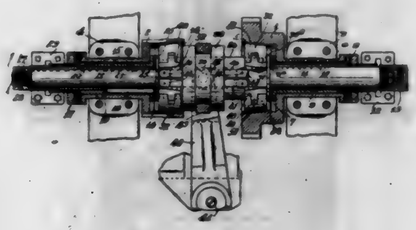
In a device of the character described the combination with a chimney wall having an opening and a thimble mounted through the opening, of an open sleeve tele-

scoped within the thimble, lips projecting outwardly from one end of the sleeve and engaged with the adjacent edge of the thimble, the opposite portion of the sleeve being extended and corrugated, a pipe section having one end portion corrugated and telescopically and adjustably engaged within the corrugated portion of the sleeve for slightly spreading the first section into binding engage-



ment with the thimble, an open corrugated band adjustably engaged about the corrugated portions of the said sections, a chimney engaging flange projecting from one edge of the band for cooperating with the lips on the opposite ends of the sleeve, and means for releasably clamping the band from clamping engagement with the said sleeve and pipe section.

1,539,720. CLUTCH. WILLIAM S. DAVENPORT, Rochester, N. Y., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y., a Corporation. Filed July 28, 1921. Serial No. 488,106. 17 Claims. (Cl. 192—78.)

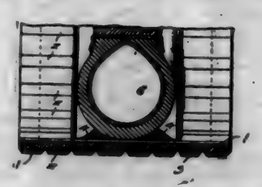


1. A clutch comprising a shaft, an expansible clutch member mounted to turn with the shaft and having a tapering peripheral clutch face, a sleeve surrounding the shaft, turning therewith and adjustable longitudinally of said shaft, a right and left hand threaded nut cooperating with the shaft and the sleeve for adjusting the sleeve longitudinally of the shaft, and a second clutch member mounted to turn on the sleeve and to move axially of the shaft with the sleeve, said second mentioned clutch member having an internal tapered clutch face for engagement with the tapering peripheral clutch face of the expanding clutch member.

15. In combination with an expansible clutch member, of expansion means for said member embodying a movable member a pair of rollers movable with said member and having their peripheries turning in engagement.

1,539,721. DEMOUNTABLE WHEEL TREAD. ROBERT J. DAVIS, Barnes, Wis. Filed May 8, 1924. Serial No. 711,871. 2 Claims. (Cl. 152—17.)

1. A demountable wheel tread comprising spaced rings, crosspieces connecting the rings, a rubber tread covering the outer side of the band, and confining rings upon the inner side of the band and upon opposite



sides of a medial plane and having their inner faces formed to provide a channel to receive a pneumatic tire.

1,539,722. MOTOR FUEL. JEAN F. P. DE LA RIBOISIERE, Washington, D. C. Filed Dec. 15, 1924. Serial No. 756,154. 6 Claims. (Cl. 44—9.)

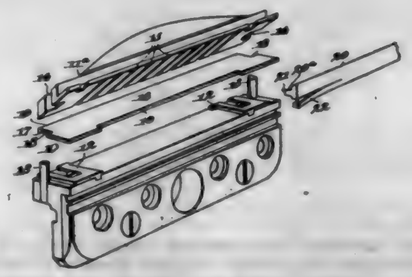
1. A motor fuel comprising a low boiling point hydrocarbon the major portion of which boil below 160° C., a small proportion of an ether of low boiling point adapted to promote combustion and ignition, and a phenolic body adapted to retain the ether in the mixture.

1,539,723. ELECTRICAL CONNECTION AND METHOD OF MAKING THE SAME. CHARLES A. DEUSCHER, New York, N. Y. Filed Aug. 19, 1922. Serial No. 582,892. 2 Claims. (Cl. 173—263.)



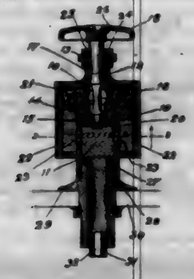
1. A method of joining conductors which includes inserting their ends into and beyond the ends of a sleeve, twisting the conductors within the sleeve together to form a tight mechanical connection, compressing the sleeve upon the twisted portion of the conductor, and then wrapping the end of each conductor around the adjacent portion of the other conductor.

1,539,724. TYPE-CASTING MOLD. GEORGE C. DIVEY, New York, N. Y. Filed Sept. 1, 1922. Serial No. 585,696. 9 Claims. (Cl. 199—55.)



1. In casting mechanism of the class described, a sectional mold, a plate supported by the liners of one section and closing against an adjacent face of the other section of the mold and a ridge formed on said plate and extending into the cavity of the mold.

1,539,725. FAUCET. JOHN EDEN, Attleboro, Mass. Filed Dec. 12, 1924. Serial No. 755,458. 4 Claims. (Cl. 251—255.)



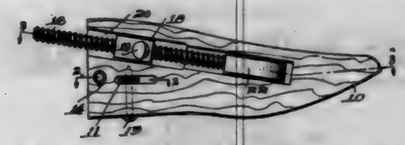
1. A faucet having a main passageway therethrough, air chambers closed at their tops and bottoms and in communication with the main passageway and a valve adapted to close the passageway by a fluid pressure therein.

3. A faucet having a conducting chamber, a plurality of air chambers lying parallel thereto and communicating therewith, a valve adapted to close the conducting chamber by fluid pressure within the chamber and means for forcing the valve from closed position against the fluid pressure.

1,539,726. TREATMENT OF ARGENTIFEROUS SULPHIDE ORES. FRANK EDWARD ELMORE, Boxmoor, England, assignor to Niels C. Christensen, Salt Lake City, Utah. Filed Feb. 5, 1920. Serial No. 356,891. 4 Claims. (Cl. 75—18.)

1. Process for treating argentiferous lead-zinc sulphide ores or argentiferous residue consisting in heating the material to about a dull red heat under conditions which as regards the zinc sulphide are substantially non-oxidising whereby the zinc sulphide remains substantially undecomposed and then extracting the silver and lead by means of solvent which leave the zinc sulphide substantially undissolved.

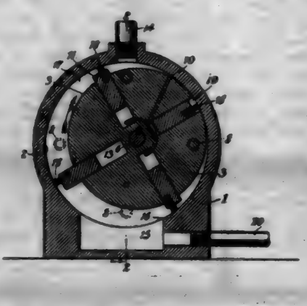
1,539,727. SHOE STRETCHER. CARL A. ELMSTROM, Medford, Mass. Filed Feb. 19, 1923. Serial No. 619,791. 1 Claim. (Cl. 12—128.5.)



A shoe stretcher comprising a pair of last blocks having recesses in their adjacent inner sides, a flat link positioned in said recesses and pivotally connected at its opposite ends to said blocks, a compression spring positioned between said blocks and at the rear of said link, said spring yieldingly forcing the toe portions of said blocks toward each other, a wedge-shaped stretching device located between the front portions of said blocks, and means to force said stretching device lengthwise of said last to spread said blocks at the toe portions thereof.

1,539,728. ROTARY PUMP. WILLIAM B. ENSIGN, New York, N. Y., assignor to Lloyd V. Reynolds, New York, N. Y. Filed Feb. 23, 1924. Serial No. 694,738. 3 Claims. (Cl. 230—30.)

1. A rotary pump for pumping fluids, comprising a casing, a rotary piston of less diameter than the bore of the casing eccentrically positioned in said casing so that at one point it contacts with the casing, a plurality of radial slots arranged in the piston, a blade arranged in each of said slots, said casing having an arc-shaped groove at each end positioned to be uncovered by said slots as they move past, a radially arranged



groove extending from the first mentioned grooves to the walls of the casing, said radial grooves being positioned in communication with the compression side of the pump whereby fluid under compression will be acting on certain of the blades for urging them outwardly in a direct ratio to the compression in the compression chamber.

1,539,729. WINDOW-CLEANER'S SEAT. ABRAHAM GOLD, New York, N. Y. Filed June 12, 1924. Serial No. 719,675. 1 Claim. (Cl. 304—24.)

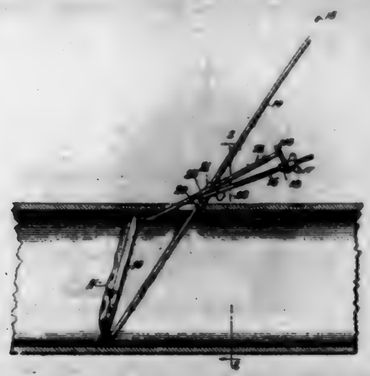


A window cleaner's seat comprising in combination, a stirrup adapted for securement to the window sill, a seat, a hook carried by the front edge of the seat for engagement with said stirrup to limit outward movement of the seat, a supporting foot secured to the under face of the seat and adapted for engagement with the window sill, an eye carried by the rear edge of the seat and projecting upwardly therefrom, a vertically-disposed member loosely mounted in said eye and formed with a loop on its upper end, a flexible back rest positioned in the loop on the upper end of the vertically-disposed member, a plurality of eyes adapted to be carried by the window frame, and hook members carried by the ends of the flexible back rest for engagement with said last-mentioned eyes.

1,539,730. GAS-MAIN STOPPER. PATRICK GOODMAN, Brooklyn, N. Y. Filed Aug. 30, 1924. Serial No. 735,196. 3 Claims. (Cl. 137—76.)

1. A gas-main stopper having handle-bars pivotally connected at substantially diametrically opposite points

on said stopper, a sleeve adjustable along one of the handle-bars and provided with means to engage a gas-main at an opening therein, means to exert pressure



on the other handle-bar to lock the stopper in the main, and means at the front of the sleeve engageable by the means to exert pressure on the second handle-bar.

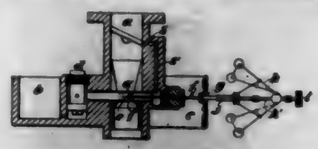
1,539,731. EGG-BEATING MACHINE. WALTER RUBEN HANSON, Chicago, Ill. Filed May 10, 1924. Serial No. 712,289. 2 Claims. (Cl. 259—135.)



1. An egg beater including a substantially rectangular body frame, a substantially rectangular hand grip arranged in spaced relation with the body, an angular arm between the body and grip extending from one side of the body to the opposite side of the arm between said arm and body, a longitudinal shaft carried by the body, a pinion on one end and a rotatable gear supported by the arm and having engagement with the pinion.

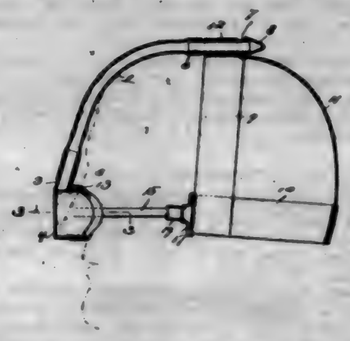
1,539,732. CARBURETOR. WILHELM HARTL, Berlin, Germany. Filed Apr. 28, 1923. Serial No. 635,348. 1 Claim. (Cl. 261—18.)

A fuel nozzle for carburetors comprising a cylindrical tube adapted to bridge the suction channel of the carbureter and having an outlet opening arranged in the medial portion thereof so as to communicate with the suction channel of the carbureter, a piston slidably mounted within said tube and adapted to be moved horizontally across said outlet opening, a piston rod extending from one end of said tube and connected to



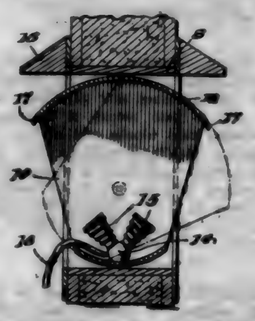
said piston, and the opposite ends of said tube being opened whereby different grades of fuel may be supplied thereto, substantially as and for the purpose specified.

1,539,733. RESPIRATOR FOR SWIMMERS. ROBERT J. HASKELL, Washington, D. C. Filed May 24, 1923. Serial No. 641,137. 1 Claim. (Cl. 9—17.)



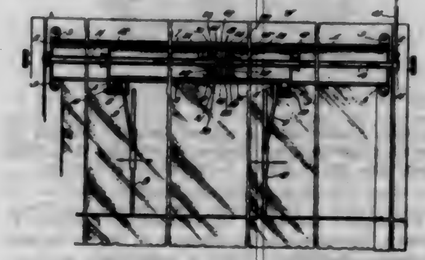
A respirator for swimmers comprising head harness, a nose piece connected to said head harness solely by flexible members, two of said members extending laterally from said nose piece to said head harness, and another of said member being constructed to constitute an air conduit communicating with said nose piece and secured to said head harness adjacent the top of the head, said conduit terminating closely adjacent its point of attachment to said head harness and being formed with a terminal opening rearwardly directed.

1,539,734. ELECTRIC HEATER. JOSEPH HAUSER, Melrose Park, Ill. Filed Mar. 15, 1924. Serial No. 699,579. 2 Claims. (Cl. 219—34.)



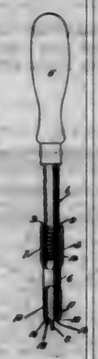
1. A heater comprising a pair of metallic end walls substantially increased in length toward their upper ends, transversely curved top and bottom walls secured to the upper and lower ends of the end walls, a conductor extending longitudinally of the lower wall between the longitudinal edges of the same and having diverging heating elements, and trunnions secured to the end walls and adapted for connection with a support, said trunnions being located in line with each other and being located below the center of gravity of the heater whereby the heater will remain in an adjusted position, said trunnions being adapted for connection with the opposite walls of an opening in a wall.

1,539,735. WINDSHIELD WIPER. CHARLES EUGENE HAYES, Dorchester, Mass. Filed Mar. 30, 1922. Serial No. 548,021. 5 Claims. (Cl. 121—50.)



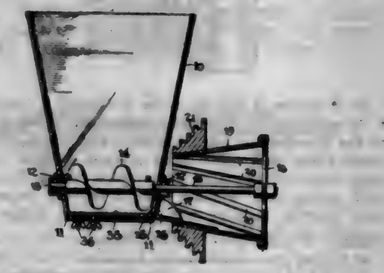
1. A structure of the character described comprising a casing adapted to be connected with and to extend transversely across a windshield, said casing being provided in one side with a longitudinal slot, a cylinder slidable longitudinally in said casing and having arms extended through said slot to prevent rotation of the casing within the cylinder, a wiper carried by said arms, pipes extending through the ends of said casing and passing slidably through the ends of said cylinder to permit sliding of the cylinder on said pipes, one of said pipes being in communication with the atmosphere, a fluid supply conduit adapted for connection with the other pipe, a stationary piston in the cylinder connected with the inner end of the aforesaid pipe and dividing said cylinder into compartments, valves in the compartments for controlling communication between the pipes and said compartments, means slidably mounted on said pipes for alternately seating said valves, and spring means carried by said first named means and engaging the pipes to frictionally hold said means.

1,539,736. SCREW DRIVER. SAMUEL HEARONEMUS, Snover, Mich. Filed Mar. 5, 1923. Serial No. 622,915. 1 Claim. (Cl. 145—52.)



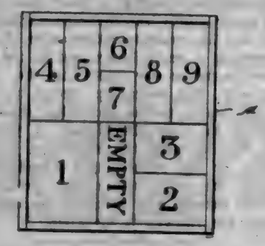
A tool of the class described comprising a body member having diametrically opposite longitudinally extending grooves therein with a kerf-engaging blade at its front end having shoulders at its base, a screw holder in the form of a sleeve snugly fitting said body and slidable thereon and having rearwardly extending fingers with lips at their free ends engaging said grooves whereby the holder is held against turning on the body, and an intermediate offset portion embracing a coiled spring on said body to hold the sleeve normally in retracted position, longitudinally extending fingers at the front of said sleeve, said fingers being in alinement with said first mentioned fingers and having inturned lips at their free ends to cooperate with said blades to clampingly clamp the head of the screw between them forming a three point screw holder, said lips engaging the shoulders at the base of said blade when the sleeve is in retracted position with the fingers fitting closely against the body member.

1,539,737. SEED PLANTER AND DISTRIBUTOR. RUSSEL F. HESTER, Heber, Calif. Filed Feb. 25, 1924. Serial No. 695,083. 1 Claim. (Cl. 275—15.)



In a seed scattering device, a support adapted to be attached to a traversing machine, said traversing machine having a driving element, a supply hopper, an outlet for said hopper, a shaft extending through said hopper and having a portion extending beyond said hopper, said shaft carrying a feed element within the hopper, a hollow scattering member of frusto-conical formation attached to said shaft externally of said hopper and in communication with the outlet of said hopper, a plurality of belt pulleys of varying size mounted on one end of said scattering member and concentric therewith, a drive belt operating over a selected one of the belt pulleys and the driving element of the traversing machine, and means for adjustably coupling the said hopper and its attachments to said support to respectively aline the belt pulleys with the driving element of the traversing machine.

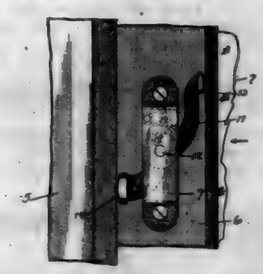
1,539,738. PUZZLE. WILBERT A. HUTTON, New Brighton, N. Y. Filed Sept. 17, 1921. Serial No. 501,257. 1 Claim. (Cl. 273—132.)



A puzzle comprising a square box; a large block movable therein; a group of two blocks movable in said box and each of the same size and shape as the other, the two together being of the same size and shape as said large block; a group of four blocks movable in said box and each of the same size and shape as the others and different from the blocks of the first

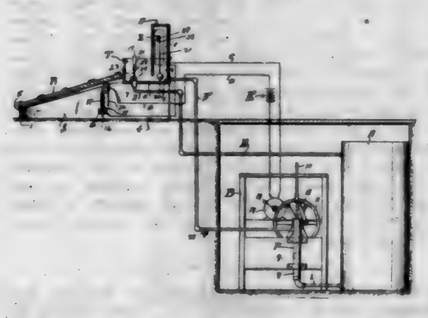
said group, and each having one-half the area of the said large block; and two small blocks each having one-half the area of any of the blocks of the second said group, said box and blocks being visually correlated for indicating the starting positions of the various parts.

1,539,739. SASH FASTENER. OLIN S. JOHNSON, Palermo, Calif. Filed Apr. 23, 1924. Serial No. 708,551. 1 Claim. (Cl. 292—228.)



In a device of the character described, a lever having a thumb-piece at one end, a resilient member secured to the opposite end of said lever, a base plate, a U-shaped cover plate, said lever being pivoted between said base plate and said U-shaped cover plate, means for securing said plates to a window sash in such a manner that said contact member will contact the frame of the window, for the purpose specified.

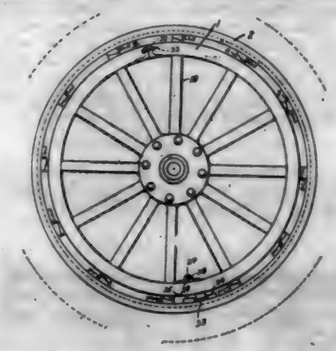
1,539,740. STOCK WATERER. WALTER JOHNSON, Wakonda, S. Dak. Filed Apr. 10, 1924. Serial No. 705,547. 4 Claims. (Cl. 103—25.)



1. A waterer of the class described comprising a tank normally substantially empty, a feed line leading from a source of water supply and delivering within the tank, a discharge line in communication with the tank and leading therefrom, a pump interposed in the first named line, an electric motor for operating the pump, a depressible runway, the operating circuit for the motor being normally open, means operating upon depression of the runway to close the circuit, a valve for controlling the flow through the discharge pipe line, and means carried by the runway and associated with the valve to move the valve into closed position upon depression of the runway and to move the valve into open position when the runway is elevated.

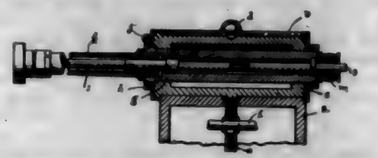
1,539,741. VEHICLE WHEEL. CLARENCE S. JOHNSTON, Glendive, Mont. Filed Aug. 25, 1919. Serial No. 319,775. 3 Claims. (Cl. 301—17.)

1. A wheel having in combination, a wheel body, a rim circumscribing the body, the rim and the body having means which coact when the rim is moved relatively to the body to cause the rim to move radially and circumferentially, a screw rotatably secured in



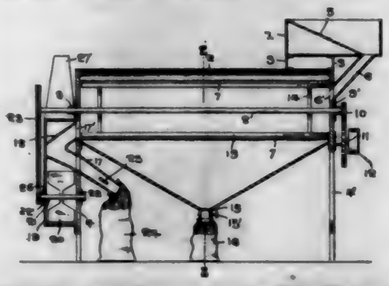
said body, a rim-engaging element mounted thereon in threaded engagement, and means for rotating said screw whereby the rim is moved relatively to said body.

1,539,742. METHOD OF GRINDING. HARRY F. JOSEPH, Davenport, Iowa, assignor to Micro Machine Company, Bettendorf, Iowa, a Corporation of Iowa. Filed May 16, 1923. Serial No. 639,141. 2 Claims. (Cl. 51—278.)



1. The process of grinding cylinders, which comprises rotating the spindle carrying a grinding wheel, at relatively high speed in said cylinder, causing a relative orbital and longitudinal movement between the wheel and the cylinder, conducting liquid into the cylinder and outside the grinding wheel spindle and delivering it at a plurality of points against the face of the grinding wheel, thereby causing the liquid to be projected against the surface of the cylinder continuously in the same direction as the rotation of the grinding wheel and at a relatively higher speed than said orbital movement, and causing said liquid to spread transversely across the orbital path of the wheel.

1,539,743. GRAIN CLEANER. JOHN KELLER, Bismarck, N. Dak. Filed Jan. 19, 1924. Serial No. 687,264. 1 Claim. (Cl. 130—17.)



A grain cleaner comprising agitating means having a wall provided with a discharge opening, a casing carried by said wall and having an upper air outlet,

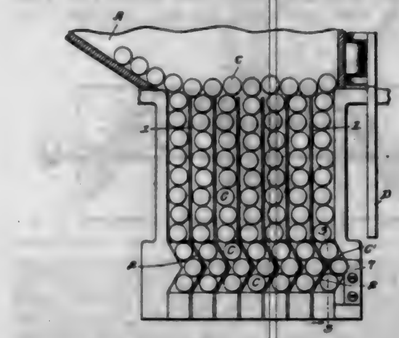
said wall providing a partition between said casing and agitating means and having a discharge spout below said opening, a reticulated chute in said casing leading from said opening to said spout, and a fan rotatable within said casing below said chute for directing air upwardly through said chute.

1,539,744. TAG HOLDER. SAMUEL O. KELLY, Wampum, Pa. Filed Nov. 8, 1924. Serial No. 748,697. 3 Claims. (Cl. 40—10.)



1. In a device of the character described, an outer casing having a display opening through its top wall, and an inner member fitting into said casing and having lateral flanges for confining between the same and the top wall of the casing a license plate, the casing and the inner member being provided at their ends with registering openings for reception of a collar strap.

1,539,745. MECHANISM FOR PACKAGING CIGARETTES AND SIMILAR ARTICLES. EUGENE G. KERLIN and WILLIAM A. BRANDT, Salem, Va., assignors to Comas Cigarette Machine Company, Salem, Va., a Corporation of Virginia. Filed June 7, 1922. Serial No. 566,457. 21 Claims. (Cl. 93—4.)



1. A packaging machine including a hopper having zigzag partitions therein, and herringbone ejectors operating between said partitions for ejecting the articles therefrom.

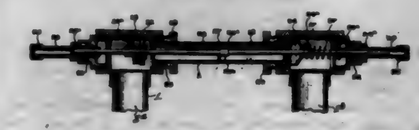
1,539,746. MEANS FOR REFINING COAL SLIMES OR THE LIKE. JAN WILLEM KLEINENTINK, Hoensbroek, Limburg, Netherlands, assignor to Naamlooze Vennootschap Verenigde Koleenmaatschappij en tar Voortzetting der Steenkolensaken, Gedreven Door de N. V. Furness' Koleenmaatschappij en Hoven en Henny's Handelmaatschappij, Rotterdam, Netherlands, a Company organized under the laws of The Netherlands. Filed Nov. 6, 1923. Serial No. 673,207. 1 Claim. (Cl. 83—85.)

In an apparatus for concentrating coal slimes and ores in accordance with the froth flotation process, a froth forming vat, the width of which increases from the bottom to the top, an agitating box within said vat, the width of the box decreasing from the bottom to the top, with the upper edge of the box above the upper edge of the vat, the box being in communication with the vat through an exit opening near the bottom and an inlet opening above the bottom and below the upper edge of the vat, an agitating means arranged in the



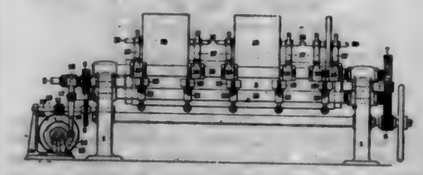
box and rotatable about a vertical axis to force the material in the agitating box through the exit opening into the vat, the inlet opening permitting the return of the material from the vat to the agitating box.

1,539,747. VALVE FOR WATER SYSTEMS. COLUMBUS M. LANE, Clarendon, Tex. Filed May 27, 1924. Serial No. 716,202. 8 Claims. (Cl. 137—69.)



1. A valve for a water system comprising a casing with a valve seat therein, a valve rod loosely guided in the casing, thereby doing away with packing and reducing friction to a minimum, a valve head on the rod and cooperating with the seat, and removable guides at the remote ends of the casing and in which said rod is loosely mounted, said removable guides comprising detachable plugs, the removal of which and the loosening of the valve head permits the working parts of the valve to be removed without molesting the valve body.

1,539,748. MACHINE FOR CUTTING PAPER LENGTHWISE AND REWINDING IT. GEORGES LAROCHE, Nanterre, France, assignor to The Societe Anonyme de la Papeterie de Nanterre, Nanterre, France. Filed July 7, 1923. Serial No. 650,071. 7 Claims. (Cl. 164—65.)

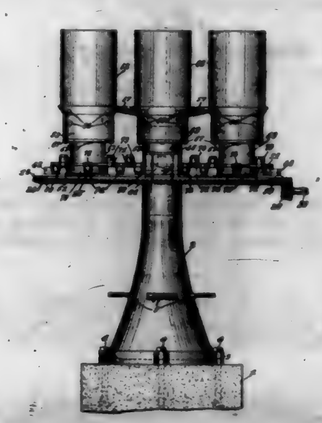


1. In a machine for cutting paper lengthwise and winding it, a cylinder having a smooth surface, means for giving to the cylinder a rapid rotating movement, means for giving to the cylinder a slower longitudinal movement, adjustable rotary cutters mounted adjacent to the cylinder and moved by peripheral contact therewith, and reels adjustable in position.

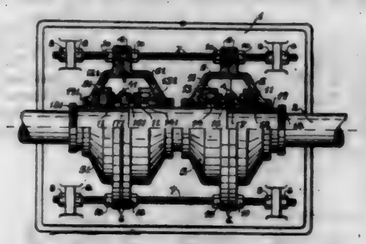
1,539,749. VEGETABLE SLICER. EUGENE H. LEMEE, State College, Pa. Filed Dec. 20, 1924. Serial No. 757,207. 10 Claims. (Cl. 146—78.)

1. A slicing machine for the purpose set forth, comprising a revolvable carrier provided with a plurality of cutters, a plurality of article receiving hoppers sus-

pended over said carrier and each including a stationary upper and a shiftable lower section, and coacting means mounted on said shiftable sections and said carrier for intermittently revolving said shiftable sections during the operation of the carrier to provide for the slicing of an article in lattice-like form.

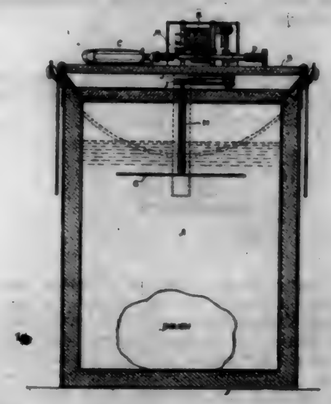


1,539,750. ANTIFRICTION THRUST BEARING. KARL OSKAR LEON, Gottenborg, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager, Aktiebolaget, Gottenborg, Sweden. Filed Apr. 27, 1920. Serial No. 377,104. 6 Claims. (Cl. 308—233.)



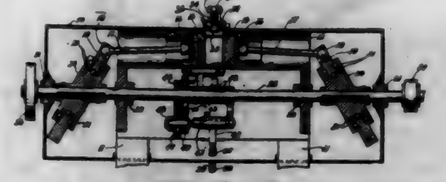
1. In combination, a plurality of shaft carried collars, thrust collars arranged on opposite sides of each shaft carried collar, rolling members interposed between the shaft carried and thrust collars arranged to take up loads in either direction, means mounted for displacement axially with respect to the shaft supporting certain of said thrust collars, and resilient members interposed between the displaceable means and the thrust collars supported thereby, said resilient members being adapted to press the thrust collars toward the shaft carried collars with requisite pressure to cause the rolling members to take up the load of the bearing, the rolling members associated with either shaft carried collar being capable of being unloaded, independently of the other loaded rolling members by proper movement of the displaceable means to such extent that said resilient members are slackened up so that the rolling members still retain their rolling contact with the shaft carried collar without transmitting any substantial load from the thrust collar to the shaft carried collar.

1,539,751. METHOD AND APPARATUS FOR USE IN MAKING BREAD. HENRY J. LUDDEN, Christiana, Pa. Filed Nov. 1, 1922. Serial No. 598,441. 12 Claims. (Cl. 73—51.)



1. The method of testing yeast to ascertain its fermenting strength consisting in placing dough containing yeast in a liquid and registering the period of time it takes this dough to rise in the liquid.

1,539,752. CRANKLESS ENGINE. THOMAS J. McCAIN and THURMAN WILSON, Fort Pierce, Fla. Filed Nov. 17, 1922. Serial No. 601,631. 1 Claim. (Cl. 123—58.)

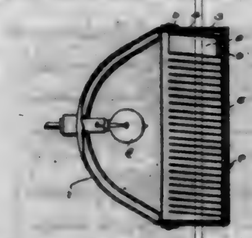


An engine comprising a plurality of cylinders, pistons operating in said cylinders, a drive shaft, means for transmitting power from said piston to the drive shaft to rotate the latter, and valve controlled means associated with each cylinder to effect inlet and permit exhaust of the fuel and burnt gases respectively thereto and therefrom, the valve mechanism consisting of valve chests at the centers of the cylinders provided with inlet and exhaust ports, spring pressed valves normally closing said ports, rocker arms pivotally mounted and engaging the stems of said valves, tappets engaging said rocker arms, angle levers pivoted adjacent the cylinders and having one end engaging the tappets, a sleeve journaled on the drive shaft and engaging a series of cams cooperating with the other arms of the angle levers and formed upon a gear, a counter shaft having a pinion meshing with said gear and formed upon a gear, and a gear secured upon the drive shaft and meshing with said last named gear.

1,539,753. HEADLIGHT. THOMAS J. McCAIN, Arch Creek, Fla. Filed July 9, 1923. Serial No. 650,461. 1 Claim. (Cl. 240—48.4.)

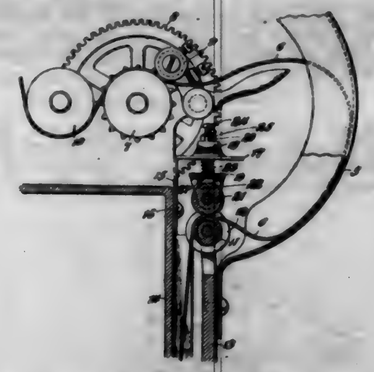
A lamp of the character described comprising a body, a relatively wide cylindrical member including a plurality of transversely extending downwardly inclined spaced rows of strips, a transparent lens positioned in

advance of said strips, the upper portion of said cylindrical shaped member having horizontal openings therein formed in the upper part of the cylindrical member



by cutting away portions of the strips at the top of the member and carrying in advance of said openings an auxiliary translucent member which may be readily seen by approaching drivers or pedestrians.

1,539,754. STEADYING DEVICE FOR MOTION-PICTURE APPARATUS. DEMING McCULLOUGHO, Marietta, Ohio. Filed Mar. 15, 1924. Serial No. 699,479. 5 Claims. (Cl. 242—75.)



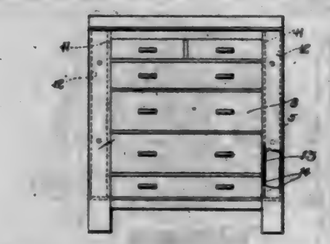
1. In a motion picture apparatus, the combination with a spool over which the film is fed, of a pressure roll cooperating therewith, a yoke in which said roll is rotatably supported, said yoke being mounted for reciprocatory movement toward and away from the spool, springs urging the yoke forward the spool, means for positively limiting the range of movement of said yoke in either direction, and means for adjusting said limiting means toward and away from the spool.

1,539,755. TRANSMISSION CASE. LAWRENCE C. McELWEE, Hot Springs, Va. Filed May 31, 1923. Serial No. 642,604. 4 Claims. (Cl. 74—56.)



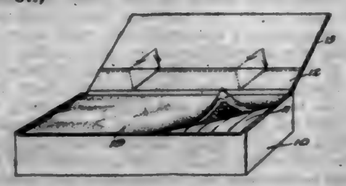
4. A transmission casing for band transmission provided with an opening extending over the top of and down both sides of the band structure and an integral panel proportioned to close said opening, said panel having sliding engagement with the casing, serving as a guide for the proper assembly of the parts.

1,539,756. FURNITURE. NELLIE G. McNEILL, Fort Plain, N. Y. Filed June 25, 1924. Serial No. 722,346. 3 Claims. (Cl. 211—7.)



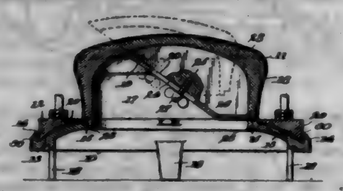
1. In an article of furniture, a frame having relatively wide corner frame-members, drawers slidable in the frame, one of said drawers having ventilating apertures in its ends, a removable closure consisting of a door at the end of the frame, a wall near the end of the frame in spaced relation to the door, said wall having ventilating apertures therein, and a ventilating panel in the said door, substantially as described.

1,539,757. CIGAR BOX. RAYMOND M. MARKLAND, Brooklyn, N. Y. Filed June 8, 1922, Serial No. 566,700. Renewed Feb. 26, 1925. 6 Claims. (Cl. 217—57.)



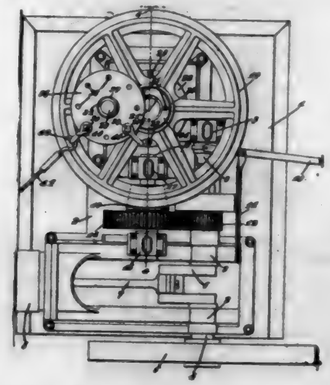
1. A cigar box, comprising a body portion, a lid made in two sections, means for hinging one section to the box portion, means for detachably connecting the other section to the section hinged to the body portion, and means provided, in conjunction with the body portion for fixing the two lid sections together.

1,539,758. HEM-EDGE DIE. HUMBERT OSWALD MARTIN, New York, N. Y. Filed May 27, 1922. Serial No. 564,184. 2 Claims. (Cl. 223—31.)



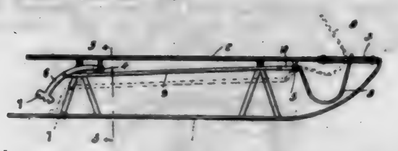
1. A device of the class described comprising a base having a brim forming wall, a continuous shoulder formed at the outer end of said wall, a bell-crown die removably supported by said base, said bell crown die formed of a stationary section and a movable section, beveled faces formed on said sections, co-acting tongues and grooves formed on said beveled faces for permitting sliding movement of said movable section with respect to said stationary section, means for limiting the movement of said movable section, and a clamping ring having its underface formed of a shape to conform to said brim forming wall and the periphery of said ring coacting with said continuous shoulder for forming the crown brim and hem edge of a hat.

1,539,759. COMBINED GAS ENGINE AND POWER DEVICE. WILLIAM F. MEISTER, Marietta, Ohio. Filed July 28, 1922. Serial No. 578,203. 1 Claim. (Cl. 74—14.)



In a device of the class described, a frame, a horizontally operating engine on the frame and comprising a horizontal crank shaft located adjacent to one edge of the frame, a horizontal auxiliary shaft located adjacent to the longitudinal center of the frame and inwardly of the crank shaft, the auxiliary shaft being parallel to the crank shaft, a horizontal gear wheel journaled on the frame for rotation about an axis located approximately in the same plane with the axis of the auxiliary shaft, bearings receiving the auxiliary shaft for rotation, one bearing being located closely adjacent to the engine, and the other bearing being located beneath the gear wheel, a pinion on the auxiliary shaft and meshing with the gear wheel, means on the gear wheel for operating pump connections, and intermeshing gear members on the shafts, the gear member on the auxiliary shaft, the pinion on said shaft, and the first specified bearing, substantially filling the space between the periphery of the gear wheel and the engine.

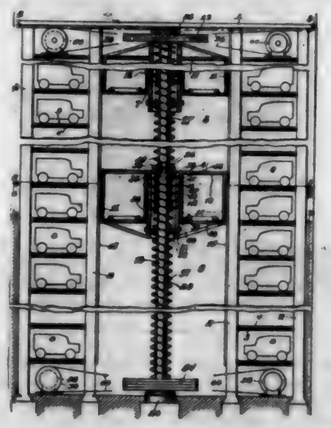
1,539,760. SLED BRAKE. HERMAN G. MEYER, New York, N. Y. Filed Dec. 28, 1922. Serial No. 609,418. 1 Claim. (Cl. 188—8.)



A sled having braking arms pivoted adjacent the rear thereof, a bracket adjacent the front of the sled, a substantially U-shaped operating member having its bridge disposed foremost and transversely of the sled adjacent the front thereof and adapted to engage the sled proper upon depression, the side portions of the operating member being pivoted on the bracket and having cranks extending rearwardly thereof, and connecting means between said cranks and said braking members, said connecting means and said cranks being adapted to occupy the same straight line when the operating member is in depressed position.

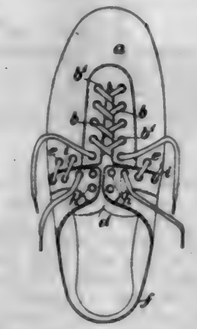
1,539,761. AUTOMOBILE PARKING GARAGE. MICHAEL D. MURRAY, Ambridge, Pa. Filed Sept. 7, 1923. Serial No. 661,467. 10 Claims. (Cl. 214—16.)

1. In a parking garage, a housing including a plurality of floors above and below a general street surface and provided with a central passage opening into the several floors, independently operable tubular sections axially mounted in said central passage and having spiral



tracks, and carriers movable upon the said sections and having operative connections with the tracks, whereby the tracks may ascend and descent and adapted to register with any one of the floors.

1,539,762. FOOTGEAR. SCIPIO GODOLPHIN MUSSABINI, London, England, assignor of two-thirds to John Edwin Fyfield, London, England. Filed Mar. 21, 1923. Serial No. 626,518. 12 Claims. (Cl. 36—1.)



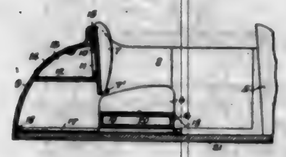
1. Footgear comprising a front portion, a rear portion, and means for separably connecting said front and rear portions, said means extending transversely from side to side and around the waist of the footgear and being adapted to be tensioned to draw the said waist upwardly.

1,539,763. METHOD OF CONSTRUCTING ASPHALT PAVEMENTS. MILES G. NIXON, Bridgeton, N. J. Filed July 5, 1921. Serial No. 482,506. 8 Claims. (Cl. 94—20.)



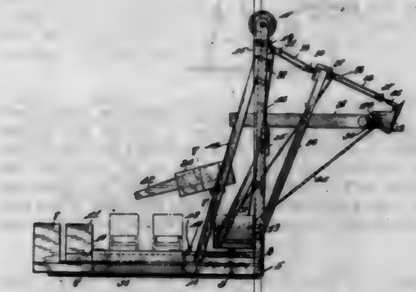
1. The method of constructing pavements which consists in preparing a suitable foundation; coating the surface of said foundation with an aqueous emulsion of an asphaltic binder; and then superposing a layer of non-aqueous asphaltic concrete.

1,539,764. VEHICLE-BODY CONSTRUCTION. VICTOR W. PAGE, Stamford, Conn. Filed Apr. 17, 1923. Serial No. 632,700. 1 Claim. (Cl. 296—63.)



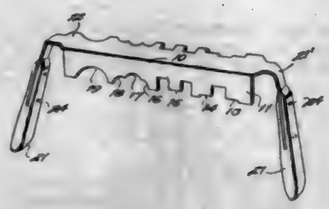
In a vehicle body, a tonneau compartment, said body being extended beyond the tonneau compartment to provide a space at the rear thereof, a horizontally disposed partition dividing the space at the rear of the tonneau compartment into an upper and a lower compartment, a swinging seat back closing the front of the upper compartment and giving access thereto from the tonneau compartment, a plurality of guides extending from the tonneau compartment into the lower compartment of the space at the rear of the tonneau compartment, and a seat slidably mounted on said guides and movable from the tonneau compartment into the lower compartment of the space at the rear thereof.

1,539,765. SHOVEL. WILLIAM C. PAGE, Oceanpark, Calif. Filed July 3, 1922. Serial No. 572,499. 1 Claim. (Cl. 214—132.)



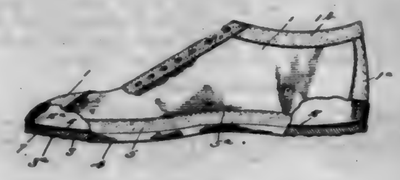
An excavating machine including a stationary base, a rotatable base mounted at one end of the stationary base, a guide member secured to the stationary base and having a right angled end adapted to overlie a portion of the rotatable base, uprights carried by the rotatable base and having a pulley mounted adjacent to the upper end thereof, spaced bars mounted on the rotatable base and adapted to swing vertically, a scoop supporting arm pivotally mounted between the uprights and adapted to swing vertically, a flexible member having connection with the spaced bars for moving them vertically, a scoop on the scoop supporting arm, a flexible member connecting the scoop and the upper end of the vertically swinging bars for adjusting the scoop with respect to the swinging bars, and a flexible member for connecting the vertically swinging bars to the uprights for adjusting the vertically swinging bars and scoop with respect to the uprights.

1,539,766. DRAWKNIFE. ADAM PAKSCIK, Taylor Springs, Ill. Filed July 25, 1924. Serial No. 728,242. 3 Claims. (Cl. 145—28.)



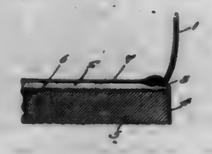
2. A tool of the character described comprising a pair of sections arranged at right angles to each other, cutting edges formed on the outer edges of the sections and each cutting edge having formed thereon a series of blade members as and for the purpose specified.

1,539,767. SHOE. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Mar. 25, 1924. Serial No. 701,768. 4 Claims. (Cl. 36—14.)



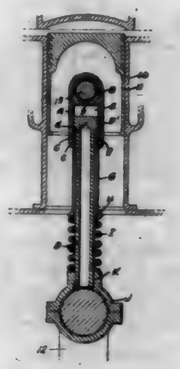
1. A shoe of the character described comprising an intermediate sole, an outsole adhering to one face thereof within the margins thereof, an upper having an insole adhering to the other face of the intermediate sole, and a pair of strips stitched to the margin of said intermediate sole, one of said strips being turned up and secured to the upper and the other being turned down over and secured to the edge of the outsole.

1,539,768. SHOE. GEORGE L. PIERCE, Brooklyn, N. Y., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed Mar. 25, 1924. Serial No. 701,769. 3 Claims. (Cl. 36—14.)



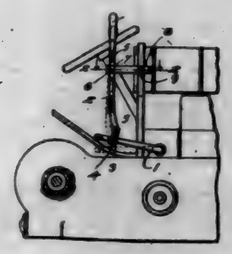
1. In a turned shoe an upper and an intermediate sole stitched together, a strip of suitable material having one edge lying between the edge of the upper and the edge of the intermediate sole, and secured by the connecting stitches, and a rubber outsole, the free edge of said strip being adhesively secured to the edge surface of the rubber sole.

1,539,769. MOTOR SILENCER. GEORGE WASHINGTON POILLON, JR., Tarrytown, N. Y. Filed July 14, 1921, Serial No. 484,588. Renewed Nov. 25, 1924. 2 Claims. (Cl. 123—78.)



1. In an internal combustion engine, a connecting rod having a plunger at the forward end, a piston, a knuckle having a bearing for the wrist pin at the piston and having a chamber in which said plunger may have movement, a sleeve on the connecting rod, said sleeve being secured to said knuckle, the front end of the sleeve forming a seat for the plunger in the forward position of the piston, and a spring coiled about the connecting rod exerting its pressure at one end against said sleeve.

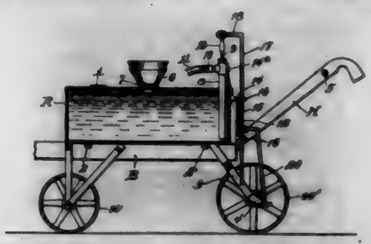
1,539,770. CLUTCH-PEDAL HOLDER. WILLIAM W. REINELT, Deckerville, Mich. Filed June 3, 1924. Serial No. 717,601. 1 Claim. (Cl. 74—81.)



An attachment for holding the clutch pedal of a Fordson tractor depressed, the same consisting of a clip adapted to be applied to the clutch pedal, a bar pivoted to the clip and having upwardly inclined notches in an edge portion thereof, and a guide consisting of a metal strap having an end portion doubled upon itself to provide a loop through which the bar passes, and a pin connecting the folded portions of the metal strap and adapted to engage a notch of the bar and hold the same in the required adjusted position.

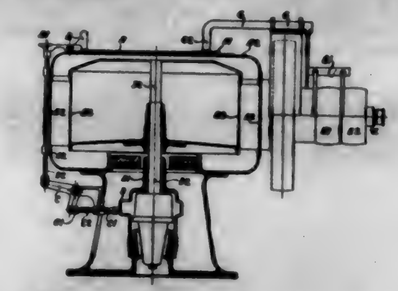
1,539,771. SPRAYING APPARATUS. JOHN ANSIA RHODES, Atlanta, Ga., assignor to James H. Walker, Jr., Griffin, Ga. Filed Jan. 12, 1924. Serial No. 685,919. 2 Claims. (Cl. 230—45.)

1. A device of the class described comprising a beam, supporting wheels therefor, a tank mounted on the beam, an upstanding pillar carried by the beam adjacent to the tank, a force pump extending within the tank, means for supporting the pump on the pillar, said pump including a reciprocating member, a rod, guide means carried by the pillar for the rod, an operative connection be-



tween the rod and certain of the supporting wheels for reciprocating the rod during travel of the device, and means for operatively connecting the rod with the reciprocating plunger to reciprocate the plunger with the rod.

1,539,772. SAFETY DEVICE FOR CENTRIFUGAL-MACHINE BASKETS. ANDREW ROBERT ROBERTSON and ALEXANDER FRASER DUNSMORE, Glasgow, Scotland. Filed July 20, 1923. Serial No. 652,714. 4 Claims. (Cl. 192—136.)



1. A safety device for use in connection with covers for centrifugal machines, having a cam on the machine spindle, a detent pivoted on a stationary part of the machine and extending over the edge of the cover, in combination with a bolt-like element adapted to engage said cam, a spring normally holding the bolt clear of the path of the cam and means connecting the detent to the bolt.

1,539,773. GAME. FRANK X. ROTH, Portland, Oreg. Filed May 22, 1924. Serial No. 715,176. 4 Claims. (Cl. 273—136.)



1. Game apparatus of the character specified comprising complemental members hingedly connected, one of the members constituting a case, a drawer slidable within the case and adapted to receive and hold the game pieces and when extended to provide a support for the complemental member, and means coacting with the drawer, case and hinged member to secure the drawer when moved inward and to fasten the hinged member when folded.

1,539,774. WINDOW SHADE. RYUJI SATO, New York, N. Y. Filed Jan. 6, 1922. Serial No. 527,403. 6 Claims. (Cl. 156—10.)

4. A device of the class described comprising a pair of curtain rollers, a curtain equal to three times the length of a window frame on which the same is to be

used and having an opening therein equal to one-third its length and having its ends secured to said rollers, strips of springy material inserted in said curtain at



opposite ends of said opening, a manipulating means connecting said rollers and common to both for moving said curtain in opposite directions.

1,539,775. PROCESS OF PURIFYING AND STERILIZING WATER. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands, assignor to Naamloose Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands, a Corporation of The Netherlands. Filed July 26, 1917. Serial No. 182,882. 4 Claims. (Cl. 210—9.)

1. The herein described process of freeing water from living organisms and at the same time removing therefrom impurities of an animal, vegetable and mineral character which consists in treating the impure water containing undesirable living microscopic organisms with decolorizing carbon containing over 90% of free carbon, free from living organisms and from alkalies, and separating the water thus treated from the said carbon and from the impurities and other matter adhering to, or absorbed by, such carbon.

1,539,776. GAME. ROBERT CHRISTIAN SCHNURER, West Hoboken, and FRED GREENBERG, Jersey City, N. J. Filed Aug. 5, 1924. Serial No. 730,203. 2 Claims. (Cl. 273—135.)

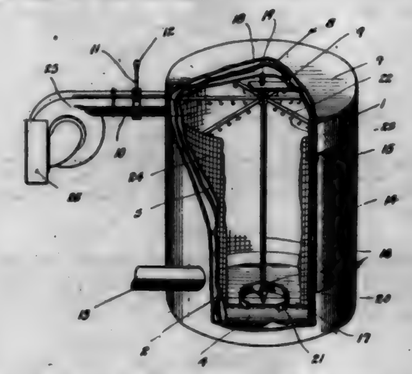


1. In a radio game apparatus, two dials each having symbols thereon, a chart having stations indicated thereon, each station having associated therewith various combinations of symbols corresponding with symbols on the respective dials, and a map having indicated thereon the stations which appear on the chart so that the turning of the dials will indicate by the associated symbols on the chart and dials the stations appearing on the map and chart.

1,539,777. PROCESS OF MANUFACTURING GLYCERIN AND ALKALI SOAPS. LUDWIG SCHMIDT, Munich, Germany. Filed Feb. 20, 1923. Serial No. 620,266. 1 Claim. (Cl. 87—4.)

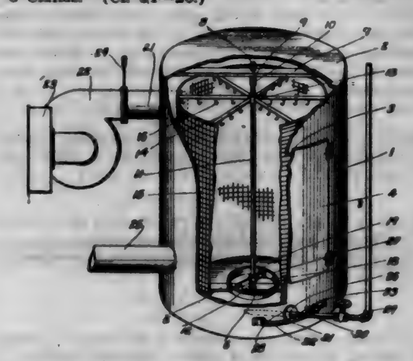
The process of producing waterless glycerin and dry alkali soap which consists in saponifying fat, to produce a mixture of glycerin and alkali soap, thoroughly drying the saponified product in vacuo, grinding the same, separating the glycerin from the soap by means of a volatile glycerin extracting agent which does not dissolve the soap, and distilling off the extracting agent.

1,539,778. DRIER AND DEODORIZER. CARL FRANCIS SELPH, De Queen, Ark., assignor to D. T. Hulse, De Queen, Ark. Filed Aug. 22, 1923. Serial No. 658,839. 7 Claims. (Cl. 34—28.)



1. In a drier and deodoriser, a casing having an air inlet and an air outlet, a rotatable clothes carrier in the casing and means for causing the air to be introduced under pressure into the casing at one side of the center to impinge against the clothes to cause the clothes carrier to rotate.

1,539,779. DRIER AND DEODORIZER. CARL FRANCIS SELPH, De Queen, Ark., assignor to D. T. Hulse, De Queen, Ark. Filed Aug. 22, 1924. Serial No. 733,610. 3 Claims. (Cl. 34—26.)

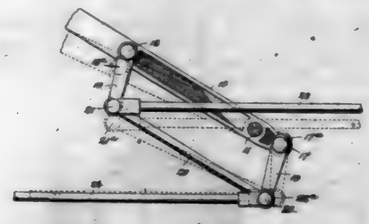


3. In a drier and deodoriser, a housing having an air inlet and an air outlet, and having a steam pipe opening located near the bottom of the housing, a reticulated cage rotatable in the housing, means for suspending articles within the cage, a steam pipe projected through the steam pipe opening at an angle to the radius of the cage, a rail adjacent the steam pipe opening supporting the steam pipe, and a clamp holding the steam pipe to the rail.

1,539,780. BRAKE MECHANISM. GEORGE L. SMITH, Washington, D. C., assignor to United States Ordnance Company, Washington, D. C., a Corporation of Virginia. Filed Jan. 17, 1924. Serial No. 686,908. 6 Claims. (Cl. 188—204.)

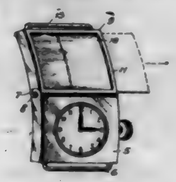
5. In an automobile front and rear wheel brake system, the combination of a pair of members for respec-

tively transmitting forces to the front and rear brakes of the system, a lever for imparting forces to the members for transmission to the front and rear brakes respectively, a pair of arms pivoted to said lever and



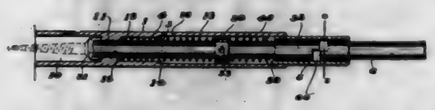
having said members respectively pivoted thereto, and means between said arms cooperating with the latter to distribute said forces through the members to said brakes.

1,539,781. MEMORANDUM WRIST WATCH. ALBERT EGERTON SMYTHE, Buenos Aires, Argentina. Filed Mar. 14, 1923. Serial No. 625,168. 1 Claim. (Cl. 224—4.)



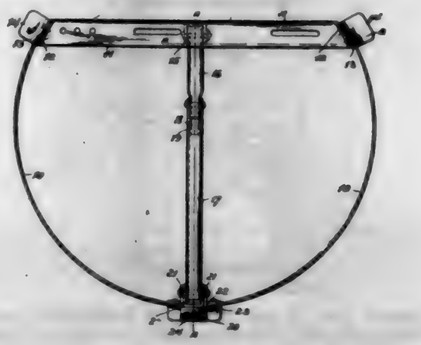
In a combination article of jewelry, a wrist watch, a frame, said wrist watch and frame having two abutting edges, means for pivotally connecting said abutting edges, an eye formed on one side of said wrist watch, and an eye formed on one side of said frame, said eyes adapted to receive wrist-encircling means to secure said combination article in operative position upon the wrist of the wearer.

1,539,782. POWER-DRIVEN SCREW DRIVER. CLYDE H. STANSELL, Renton, Wash. Filed Oct. 8, 1923. Serial No. 667,210. 2 Claims. (Cl. 144—32.)



1. A power driven screw driver comprising a tubular shell having in one end a screw receiving socket, a shank journaling section of reduced diameter inwardly adjacent to said screw receiving socket, the remainder of the shell having a section next to the journal section enlarged to receive a spring outside of the shank and a major section of slightly larger bore extending to its other end, a screw driving shank within the shell and fitting the bearing section, a collar upon the shank within the major section, a separate shank extension and a sleeve secured thereto and fitting the outer end of the bore in the shell, the shank having an enlarged outer end fitting said sleeve and the sleeve having a flange at its inner end preventing withdrawal of the shank, the shank and shank extension having end faces interlocking by endwise movement to form a driving clutch and a spring at each side of the collar acting one to withdraw the screw-engaging end of the shank into the shell and the other to disengage the driving clutch.

1,539,783. TIRE CARRIER FOR AUTOMOBILES. CHARLES C. STEEL and THOMAS H. LYNN, Williamsport, Pa.; said Steel assignor to said Lynn. Filed Aug. 1, 1919. Serial No. 314,735. 17 Claims. (Cl. 224—29.)



1. A spare tire carrier, the combination of a metal strap bent into the segment of a circle greater than a half circle and of a size to fit within a standard size rim and form a seat or support for the same except at the top, a brace connecting the ends of the strap, a saddle at each end of the strap, a link pivoted to the inner face of the strap intermediate the saddles, the said link being provided at its outer end with a shoulder, and a toggle lever pivoted to the brace and to the link for moving the shoulder on the latter into and out of locking position.

1,539,784. ATOMIZER. CHRISTOPHER STRACHAN, South Orange, N. J., and DAVID J. IRISH, St. George, N. Y., assignors to Morse Dry Dock & Repair Co., New York, N. Y., a Corporation of New York. Filed Jan. 5, 1923. Serial No. 610,882. 10 Claims. (Cl. 299—118.)

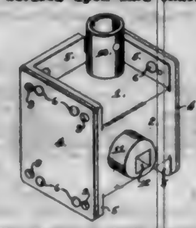


8. An atomizer comprising a fluid conducting tube, a disk contacting with the front end of said tube and having a rearwardly extending neck, a cap threaded on the tube and bearing against the front side of said disk, said cap having a discharge orifice enlarged at its rear end to form a fluid whirling chamber, said neck and disk having tangential ports opening into said whirling chamber, the rear end of one port opening through the rear face of said disk, while the other ports open through the periphery of said neck, and a manually slidable port-controlling sleeve on said neck incapable of closing said one port.

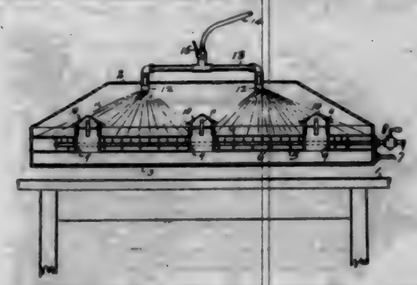
1,539,785. GEAR BOX. JOHN LENARD STUART, Oakland, Calif. Filed Apr. 22, 1924. Serial No. 708,157. 1 Claim. (Cl. 74—36.)

A gear box comprising a casing having front and rear walls, a top, a bottom, and two open sides; supporting flanges extending vertically, both up and down, from said rear wall and open sides; cover plates adapted to close said open sides; means for securing said

cover plates to the flanges of said sides; a horizontally disposed shaft journaled in said front and rear walls; a driving gear secured upon said shaft within the casing; a vertically disposed shaft journaled in said top and bottom and reversible end for end; and a driven gear reversibly secured upon said vertical shaft and meshing with said driving gear.

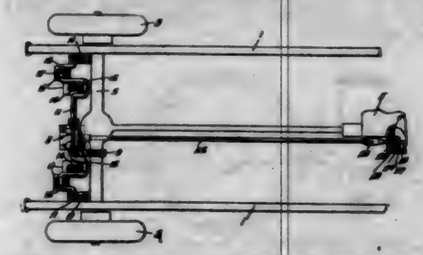


1,539,786. PRESSING MACHINE. BENJAMIN SUHLER, Houston, Tex. Filed May 13, 1921. Serial No. 469,103. 1 Claim. (Cl. 68—9.)



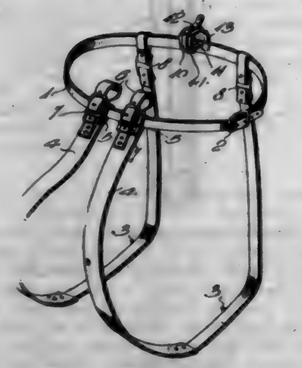
A clothes pressing apparatus comprising a casing divided into an upper, intermediate and lower compartment, the lower compartment having a perforated bottom, passageway sleeves communicating with the lower and upper compartments, said sleeves extending above the bottom of the upper compartment, hoods secured to and spaced above the upper ends of the sleeves, spray nozzles arranged in the upper portion of the upper compartment, and a heater arranged in the intermediate compartment for generating steam in the upper compartment to be delivered through the sleeves to the lower compartment.

1,539,787. AUTOMOBILE ATTACHMENT. JOE SUSIO, Lewis Run, Pa. Filed July 12, 1922. Serial No. 574,892. 1 Claim. (Cl. 180—8.)



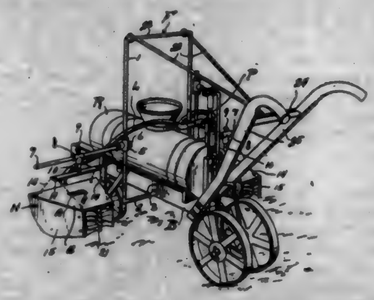
The combination with a motor-propelled vehicle including a rear axle casing, a rear axle journaled in the casing, a drive shaft operatively connected to the axle, and a transmission at the forward end of the drive shaft and including a pinion; of a housing carried by the casing, a shaft journaled on the casing and in the housing and provided with a crank, a thrust member carried by the crank, a second shaft supported for rotation and auxiliary to the transmission, drive shaft, rear axle casing and rear axle, intermeshing beveled pinions connecting the shafts, and a pinion shiftable on the second shaft into and out of engagement with the pinion of the transmission.

1,539,788. PACK-BASKET HARNESS. ORLEY C. TUTTLE, Old Forge, N. Y. Filed Apr. 24, 1924. Serial No. 708,783. 1 Claim. (Cl. 224—8.)



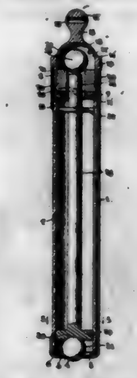
A pack basket harness comprising a rim-strap adapted to encircle a pack basket under its rim, a pair of basket-supporting sling-straps each connected at one end to the front portion of the rim-strap and having their other ends adjustably connected to the rear portion of said rim-strap at horizontally spaced points, the front portions of said sling-straps being adapted to pass in front of the user's shoulders, a pair of short adjustable straps secured to the first named ends of said sling-straps and adapted for passing transversely around the front portion of the basket rim to prevent excessive forward pull directly on said rim-strap, and a short adjustable locking-strap passing through the rim-strap between said sling-straps and adapted for passage transversely around the rear portion of the basket rim to hold said rim-strap against circumferential creeping and against excessive downward sliding by the pull of said sling-straps.

1,539,789. SPRAYING APPARATUS. JAMES H. WALKER, Jr., Griffin, Ga. Filed July 1, 1922. Serial No. 572,202. 5 Claims. (Cl. 299—41.)



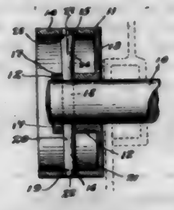
1. A spraying apparatus comprising a hood consisting of a top and sides, said top being disposed on a downward and rearward incline, and a spraying medium supported by and underlying the top, said top being flexible on lines lengthwise thereof.

1,539,790. OIL THIEF. CHESTER B. YOUNG, Lawrenceville, Ill. Filed Sept. 5, 1924. Serial No. 736,101. 5 Claims. (Cl. 137—18.)



1. In a device of the character set forth, a relatively long tubular body having an aperture through the lower end thereof, a removable hollow head threaded into the upper end thereof, an axially bored removable closure threaded into the lower portion of said head, a longitudinally extending freely reciprocable rod within said body having the upper end extended partially through said bored closure, and a free ball member at each end of said rod, one supporting said rod and normally acting to close said lower aperture and the other within said head and normally acting to close the upper end of the bore of said closure.

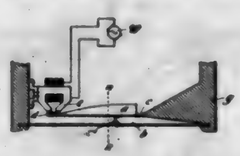
1,539,791. PULLEY. CHARLES H. HERTZLER, Gracemont, Okla. Filed Oct. 9, 1923. Serial No. 667,578. 3 Claims. (Cl. 287—53.)



2. In combination, a shaft, a pulley fitted on the shaft and having a hub and rim, the hub, rim and shaft having alined openings, and an attaching pin fitted in the alined openings and having a tenon at one end fitting in one of the openings of the rim, the other end of the pin being provided with diverging arms having shoulders engageable with the rim, and lugs disposed in the other opening of the rim, said pin being constructed of a single piece of resilient metal and having one end split to define said arms.

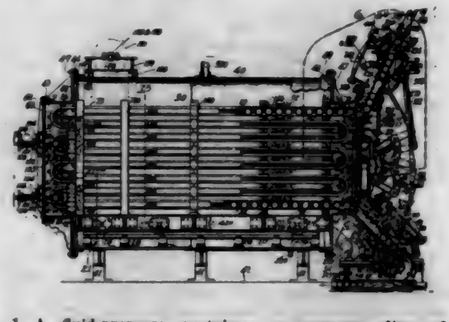
1,539,792. SUBMARINE SOUND TRANSMITTER. HEINRICH HECHT, Kiel, and WALTER HAHNEMANN and WILHELM RUDOLPH, Kitzeberg, near Kiel, Germany, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Filed Feb. 4, 1921. Serial No. 442,576. 5 Claims. (Cl. 181—5.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. A submarine sound producer comprising a sound radiating member, a lever rigid in the direction and within the range of the exciting vibrations and a jointless connection between said lever and the sound radiating member, said connection being rigid in the direction of the vibrations but yielding at right angles thereto, and an exciting device adapted to vibrate the lever; the point of the lever acted upon by the exciting device



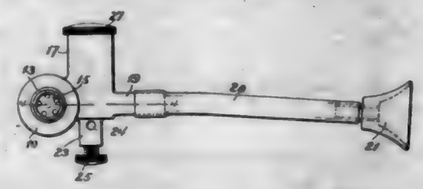
and the junction point with the sound radiating member being disposed at portions of the lever to cause the first mentioned point to execute larger motions than the junction point with the sound radiating member.

1,539,793. AUTOMATIC CONTINUOUS PRESSURE COOKER. JOHN L. ANDERSON, Ogden, and JAMES A. ANDERSON and WILLIAM R. EDDINGTON, Morgan, Utah. Filed Aug. 27, 1923. Serial No. 659,548. 175 Claims. (Cl. 126—272.)



1. A fluid-pressure container, a conveyor disposed internally thereof, an inlet mechanism for transferring objects from the outside to the inside of the container, a feeding mechanism arranged to receive objects from the inlet mechanism and to feed said objects to the conveyor, in timed relation to the travel of the conveyor, and a fluid-pressure outlet lock for receiving objects from the conveyor, said outlet lock formed of oscillating outlet gates operably arranged in mutually opposed relation, and means for operating the outlet gates in timed relation to the movements of the inlet gates.

1,539,794. FLUID-OPERATED VACUUM-MASSAGE DEVICE. EDWARD R. HANGLITER, Ardsley, Pa. Filed Aug. 18, 1922. Serial No. 582,695. 6 Claims. (Cl. 230—13.)



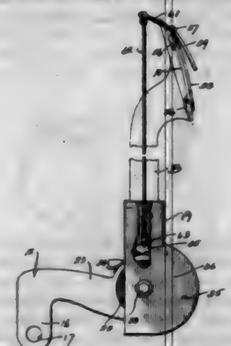
1. In an apparatus of the class described, the combination with a vacuum tube, and means for creating a vacuum therein, of an air inlet communicating laterally with the vacuum tube, a valve mounted on the vacuum tube and operable under pressure from the air inlet to break the vacuum, and means for varying the effective area of the air inlet.

1,539,795. WIRE-POLISHING MACHINE. RICHARD K. HUTCHINS, Worcester, Mass., assignor to The Whitaker Reed Company, a Corporation of Massachusetts. Filed Aug. 17, 1922. Serial No. 582,528. 5 Claims. (Cl. 242—54.)



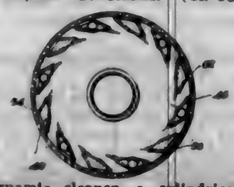
1. A wire working machine having in combination wire cleaning and polishing devices, a pair of drums on which the wire is alternately wound, continuously actuated mechanism effective to drive said drums alternately in opposite directions, controlling devices for said drums each including a detector directly engaging the wire on a drum, and connections from said detectors to said driving mechanism, said connections including means by which the connections may be made operable to stop or reverse the drum movement as desired.

1,539,796. CLUTCH CONTROL. MICHAEL J. KIRST, Barrington, Ill. Filed Mar. 17, 1924. Serial No. 699,903. 5 Claims. (Cl. 74—81.)



1. In combination with a pivoted foot lever including a foot rest plate, a mounting plate secured upon said foot rest plate, a pedal pivoted to the mounting plate in overhanging relation to the mounting plate, and pawl and ratchet means operably connected to the pivoted pedal whereby the foot lever may be held in desired adjusted position.

1,539,797. AIR CLEANER. MILTON E. CHANDLER and FRANK C. MOCK, Chicago, Ill. Filed Sept. 9, 1921. Serial No. 499,468. 10 Claims. (Cl. 183—85.)



1. In a dynamic cleaner, a cylindrical chamber, a cover for said chamber spaced therefrom to define an annular inlet and having an axial outlet tube integral therewith extending downwardly therefrom past the plane of said inlet, a series of guides for directing the entering flow tangentially, said guides spacing said cover from said chamber, and fastening bolts lying between the walls of certain of said guides to hold the cover in place.

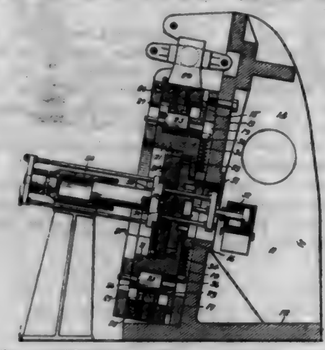
1,539,798. PROCESS OF MAKING BENZOXAZOLON ARSONIC ACIDS. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, and OTTO SIEVERTS, Fechenheim, near Frankfort-on-the-Main, Germany. Filed July 7, 1924. Serial No. 724,655. 1 Claim. (Cl. 260—14.)

Process for the production of benzoxazolon-6-arsonic acids by reducing 6-nitro-benzoxazolons and transforming the amino compounds thus obtained into the arsonic acids by diazotizing and then treating with an arsenite.

1,539,799. PROCESS FOR THE PRODUCTION OF 4-AMINO-3-HYDROXYBENZENE-1-ARSONIC ACIDS. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, and OTTO SIEVERTS, Fechenheim, near Frankfort-on-the-Main, Germany. Filed July 7, 1924. Serial No. 724,656. 2 Claims. (Cl. 260—14.)

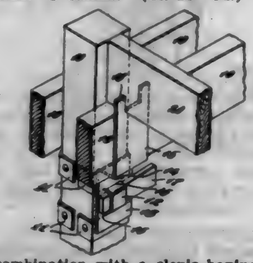
1. Process for the production of ortho-amino-hydroxybenzene-arsonic acids by heating benzoxazolon-arsonic acids with alkalies.

1,539,800. APPARATUS FOR SHAPING AND TRUING BRAKE DRUMS. GEORGE C. BRAINARD, Cleveland, Ohio, assignor to Hydraulic Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 7, 1921. Serial No. 435,654. 3 Claims. (Cl. 113—48.)



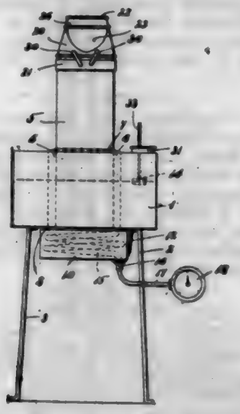
1. The combination with a radially grooved back plate, of a plurality of radially movable sectors and means for moving the same, a centrally disposed mandrel adapted to receive a brake drum, shrinker blocks carried by the movable sectors and engaging the flange of the brake drum and means for engaging the face of the brake drum.

1,539,801. JOIST SPACER AND STRINGER HANGER. HARRY O. DAVIDSON, Cleveland, Ohio, assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 1, 1920. Serial No. 362,328. 3 Claims. (Cl. 20—94.)



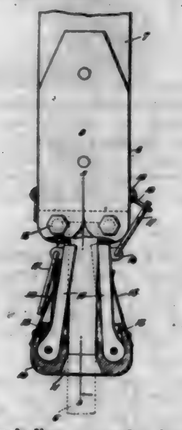
1. The combination with a clevis having an outwardly extending loop, of a support having a base provided with an aperture adapted to fit over said outwardly extending loop, a wedge adapted to be inserted in said loop to secure said support on said clevis, said support being bifurcated.

1,539,802. SHOE-TEMPERING MACHINE. DONALD B. HEATH, Winthrop, Mass., assignor to Boston Electric Heating Corp., Whitman, Mass., a Corporation of Massachusetts. Filed Aug. 12, 1920. Serial No. 402,976. 5 Claims. (Cl. 13—1.)



1. Apparatus of the kind described comprising a supply tank of annular form, a steam generating tank of less diameter than the inner diameter of the supply tank and extending through said outer tank, heating means for the inner tank, shoe supporting means for holding the toe portion of a shoe within the path of steam of the inner tank and means to protect the shoe upper from condensed steam.

1,539,803. WINDMILL COUPLER. J WYLIE MCDANIEL, Sonora, Tex. Filed Jan. 30, 1923. Serial No. 615,875. 4 Claims. (Cl. 287—119.)



4. A coupler including a coupler housing one end of which is formed to provide a socket equipped with resilient pawls, portions of which normally project into the bore of said socket, means attached to said pawls to flex the same outwardly from said bore, and means to retain said pawls in said outwardly flexed position.

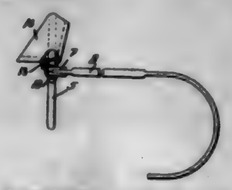
1,539,804. ADJUSTABLE LAMP STAND. FREDERIC W. ROBINSON and KENNETH V. KNAPP, Newark, N. J., assignors to Hanovia Chemical and Mfg. Co., Newark, N. J., a Corporation of New Jersey. Filed Sept. 15, 1923. Serial No. 662,806. 12 Claims. (Cl. 240—60.)

1. A therapeutical lamp stand comprising a castored base, an upright fixed therein, a sleeve slidable on said upright, said sleeve having an annular chamber, spring grip stripe fixed in opposite sides of the chamber, means for pressing either of said strips into forcible clamping engagement with said upright, lamp supporting means



adjustably carried on said sleeve, an electric cable connecting with said lamp, and resilient means carried on said sleeve for supporting and guiding said cable.

1,539,805. EYESHADE. ANNA M. ZELLNER, St. Paul, Minn. Filed July 14, 1923. Serial No. 651,537. 1 Claim. (Cl. 2—13.)



In an eye glass shield, a frame including a length of wire bent upon itself to provide a forward section and a rear section, one end of the wire being formed into a loop to embrace a portion of an eye glass frame, the opposite end of the wire being formed into a hook member, said hook member adapted to be passed over a portion of an eye glass frame to secure the shield to the frame, and a flexible member having connection with the forward and rear sections to overlie a portion of an eye glass frame to support the eye glass shield in an extended position.

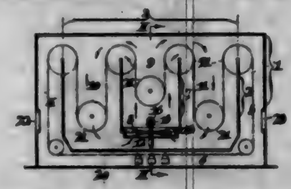
1,539,806. APPARATUS FOR DRYING OR OTHERWISE TREATING MANUFACTURED PRODUCTS. THOMAS ALLSOP and WALTER W. SIBSON, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Germantown, Pa., a Corporation of Pennsylvania. Filed Nov. 17, 1919, Serial No. 338,596. Renewed Sept. 12, 1924. 21 Claims. (Cl. 34—12.)



2. Apparatus of the character described comprising an enclosure subdivided to afford a treating chamber with spaces beneath it and between its ends and corresponding enclosure walls, and also space beside said chamber; means for circulating air between the chamber and the space beside it; and means for circulating air between

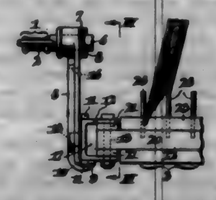
the chamber and the space beside it; and means for conveying material to be treated through said chamber also passing through said end spaces.

1,539,807. APPARATUS FOR DRYING OR OTHERWISE TREATING MANUFACTURES. THOMAS ALLSOP and WALTER W. SIBSON, Philadelphia, Pa., assignors to The Philadelphia Drying Machinery Company, Germantown, Pa., a Corporation of Pennsylvania. Filed Nov. 18, 1919, Serial No. 338,967. Renewed Sept. 12, 1924. 41 Claims. (Cl. 34—12.)



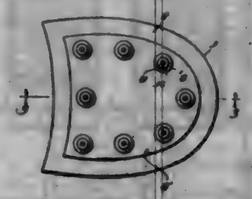
2. Apparatus of the character described comprising an enclosure; a U partition therein; and radiators within said partition.

1,539,808. DEVICE FOR SUPPORTING CHINAWARE OR THE LIKE DURING THE PROCESS OF MANUFACTURE. THOMAS ALLSOP, Philadelphia, Pa., assignor to The Philadelphia Drying Machinery Company, Germantown, Pa., a Corporation of Pennsylvania. Filed Jan. 22, 1920, Serial No. 353,437. Renewed Apr. 8, 1925. 21 Claims. (Cl. 34—12).



12. In an apparatus of the character described, a reversible tray adapted to support the articles to be dried in either of its positions, said tray being provided with means for supporting said articles on edge.

1,539,809. RUBBER HEEL. LEONARD DE LUCIA, Washington, D. C. Filed Jan. 30, 1923. Serial No. 614,005. 1 Claim. (Cl. 36—35.)

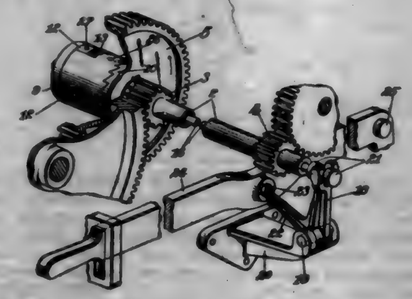


A rubber heel of the character described comprising a body having its outer face slightly rounded both longitudinally and transversely while the inner face thereof is concaved, a thickened tread portion formed on the outer face of the body, a plurality of equi-distantly spaced outwardly projecting lugs arranged adjacent the perimeter of the thickened tread, reduced bosses rising centrally from the outer face of each lug and together with the projections provide a non-slipping surface, said lugs and bosses being provided with a centrally disposed opening which extends through the tread and body, and means for reinforcing the openings as and for the purpose specified.

1,539,810. WELDING ELECTRODE. ROBERT T. GILLETTE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 30, 1924. Serial No. 729,169. 3 Claims. (Cl. 219—4.)

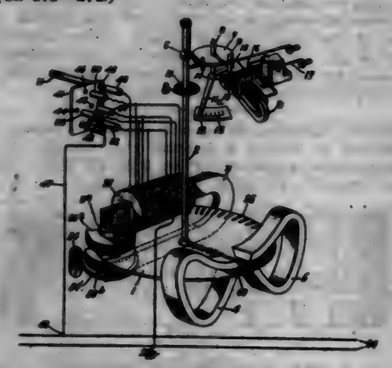
1. A welding electrode for electric welding by the resistance process comprising an intimate mixture of tungsten and copper, consolidated to form a pressure-resisting composite material capable of operation under high pressure and at high temperature without deformation.

1,539,811. CLUTCH MECHANISM. JOHN K. WHITTIER and ROBERT S. CURLEY, Lowell, Mass., assignors to Saco-Lowell Shops, Boston, Mass., a Corporation of Massachusetts. Filed Aug. 7, 1920. Serial No. 401,868. 4 Claims. (Cl. 192—67.)



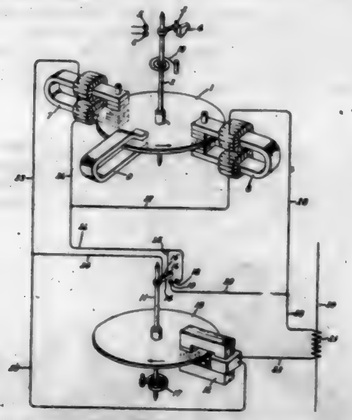
1. A clutch mechanism of the character described, comprising, in combination, a hollow rotatable shaft, a gear rotatably mounted on said shaft and having an extended hub, a sleeve slidable on said hub longitudinally thereof, said sleeve and gear having cooperating clutch portions, a spider fast on said shaft and connecting said sleeve with said shaft, and a rod connected with said sleeve and extended through said shaft to move the sleeve into and out of clutching engagement with said gear.

1,539,812. NONSATURATING INDUCTION RELAY. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Jan. 22, 1923. Serial No. 614,331. 18 Claims. (Cl. 175—274.)



3. An inverse time limit device having in combination a movable member of conducting material, non-saturating means comprising a shaded pole electromagnet for advancing said movable member, said electromagnet extending across the movable member so that a substantial leakage flux cuts the movable member.

1,539,813. DEFINITE-PICK-UP INDUCTION RELAY. CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Mar. 15, 1923. Serial No. 625,370. 15 Claims. (Cl. 175—294.)



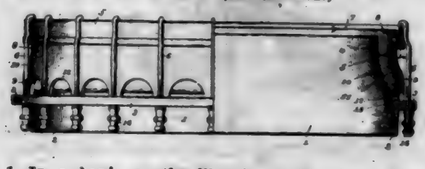
14. An inverse time limit device comprising a movable member, a first electromagnetic means, normally deenergized and adapted when energized to advance said movable member, a second electromagnetic means normally energized and tending when energized to move said movable member in the reverse direction, and a device which upon the occurrence of a certain condition deenergizes the second electromagnetic means and energizes the first electromagnetic means and which upon the departure of that condition deenergizes the first electromagnetic means and energizes the second electromagnetic means.

1,539,814. SHIP-PROPELLING DEVICE. ELLING KITTELSEN, Eidsvold Verk, Norway, assignor to Lloyd Propulsion Ltd., Eidsvold Verk, Norway. Filed Sept. 18, 1923. Serial No. 663,472. 7 Claims. (Cl. 115—49.)



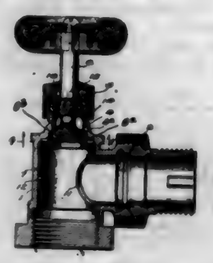
1. The combination in a ship, of a propeller-supporting structure extending across the stern and beyond both sides of the ship, and propelling means operatively mounted in the supporting structure to accelerate a substantially unbroken mass of water at the rear of, and of greater width than, the ship.

1,539,815. BANJO. WILLIAM F. LUDWIG, Chicago, Ill., assignor to Ludwig & Ludwig, Inc., Chicago, Ill., a Corporation of Illinois. Filed Mar. 27, 1924. Serial No. 702,287. 2 Claims. (Cl. 84—272.)



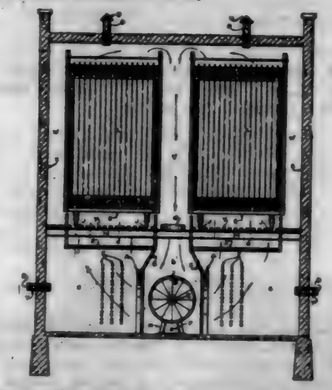
1. In a banjo or the like, in combination, a banjo body formed by a pair of concentrically arranged inner and outer rings, the inner ring having an out turned flange at its mid-height forming a support for the outer ring, a skin head supported by the outer ring and provided with a skin hoop, and tensioning screw bolts engaging said skin hoop and having adjusting nuts adapted to bear against the underside of the aforesaid flange, the outer ring extending a distance above the inner ring and having a series of orifices in its lower edge.

1,539,816. HOT-WATER VALVE. OWEN L. WHITEMAN, Coxsackie, N. Y. Filed Oct. 28, 1922. Serial No. 597,664. 1 Claim. (Cl. 251—95.)



A hot water valve, comprising a casing having inlet and outlet openings and provided with an integral tubular projection at its upper end, said projection being internally and externally threaded and having an annular internal and downwardly facing shoulder at its lower end, a cylindrical valve rotatably mounted in the casing and having inlet and outlet openings, said valve being provided with an integral stem having an enlarged lower end extending into said projection of the casing and having an annular and upwardly facing shoulder engaging the shoulder of the casing when the valve is open, said stem being threaded adjacent the said enlarged end, an internally and externally threaded sleeve screwed onto the stem of the valve and into the projection of the casing, said sleeve being provided with a flange having a concave outer face, a flanged nut screwed onto the projection and through which the stem projects, and a packing between the flange of the sleeve and the nut.

1,539,817. REVERSIBLE CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the People of the United States. Filed Apr. 19, 1924. Serial No. 708,323. 15 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



1. In a double track dry kiln arranged for edge stacking: a series of fans; a shaft on which the fans are mounted for rotation; means for rotating said shaft in either direction to cause reversal of the circulation of the air and vapor in said kiln; and an air distributing system comprising side deflecting partitions, a main air distributor, vertical deflecting ducts, and two sets of diffusers.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Ace Hardware Mfg. Corp'n., Philadelphia, Pa. Kitchen utensil. 198,148; May 5; Serial No. 206,048; published Feb. 17, 1925.

Allsopp Brothers, Newark, N. J. Rings. 198,100–1; May 5; Serial Nos. 205,104–5; published Feb. 10, 1925.

Alum Coal Co., Glenalum, W. Va. Coal. 45,891; renewed Aug. 29, 1925.

American Beslin Corporation, New York, N. Y. General antiseptic and germicide. 198,161; May 5; Serial No. 207,428; published Feb. 10, 1925.

American Crude Oil Motors Corp., New York, N. Y. Oil motors, pumps, and internal-combustion engines. 198,071; May 5; Serial No. 188,653; published Feb. 17, 1925.

American International Trading Co., New York, N. Y. Electric-lamp bulbs, or miniature lamps. 198,078; May 5; Serial No. 193,981; published Nov. 18, 1924.

American Laboratories Incorporated, Richmond, Va. Insecticides, deodorants, and disinfectants. 198,093; May 5; Serial No. 198,695; published Aug. 26, 1924.

American Shoe Tip Company, The, New Haven, Conn., and Boston, Mass., assignor to The American Shoe Tip Company, Boston, Mass. Leather toe protectors for boots or shoes and shoe tips. 44,672; renewed July 18, 1925.

American Writing Paper Company, Holyoke, Mass. Announcement paper, cards, and mailing envelopes. 198,210; May 5.

Anglo American Drug Co., The, assignor to Anglo American Drug Company, New York, N. Y. Proprietary medicine. 46,214; renewed Sept. 12, 1925.

Anglo American Drug Co., The, assignor to Anglo American Drug Company, New York, N. Y. Remedy for children's diseases. 46,646; renewed Sept. 29, 1925.

Anglo American Mill Company, Owensboro, Ky. Reduction mills. 198,153; May 5; Serial No. 205,848; published Feb. 17, 1925.

Asheville Knitting Mills, Inc., Asheville, N. C. Hosiery. 198,143; May 5; Serial No. 206,210; published Feb. 17, 1925.

Bassett Metal Goods Company, Inc., The, Derby, Conn. Electrical insulated wire and insulating compound. 198,169; May 5; Serial No. 199,105; published Feb. 10, 1925.

Betty Products Co., Hartford, Conn. Underwear. 198,150–1; May 5; Serial Nos. 205,898–9; published Feb. 17, 1925.

Billings & Spencer Company, Hartford, Conn. Die forgings. 45,068; renewed Aug. 8, 1925.

Bins, Edward G., Company, Los Angeles, Calif. Emulsion of oil of eucalyptus, glycerin, etc. 198,121–2; May 5; Serial Nos. 207,173–4; published Feb. 10, 1925.

Bister, John, New York, N. Y. Umbrella cloth. 198,174; May 5; Serial No. 197,249; published Sept. 9, 1924.

Blublaze Motor Specialties Corp., Long Island City, N. Y. Ignition timers for internal-combustion engines. 198,177; May 5; Serial No. 195,630; published July 22, 1924.

Bradley, James L., Plainfield, N. J. Hair restorer and dandruff cure. 46,215; renewed Sept. 12, 1925.

Buschman Weissberg & Co. Inc., New York, N. Y. Electric-lamp sockets. 198,147; May 5; Serial No. 206,104; published Feb. 10, 1925.

C-T Radio Corporation. (See Haynes, Maurice S., assignor.)

California Rex Spray Co., Benicia and Sacramento, Calif. Cleansing and bleaching solution. 198,088; May 5; Serial No. 206,940; published Feb. 10, 1925.

Carbo-Gas Co., The, Huron, S. Dak., and Toledo, Ohio. Spark plugs. 198,135; May 5; Serial No. 206,824; published Feb. 17, 1925.

Carnrick Pharmacal Co., assignor to G. W. Carnrick Co., New York, N. Y. Remedies for malnutrition. 45,817; renewed Aug. 29, 1925.

Charter Oak Stove and Range Company, St. Louis, Mo. Stoves, furnaces, and parts of stoves and furnaces. 46,506–9; renewed Sept. 26, 1925.

Chatfield & Woods Company, The, Cincinnati, Ohio. Writing paper. 198,178; May 5; Serial No. 208,165; published Dec. 16, 1924.

Cincinnati Soap Company, The, Cincinnati, Ohio. Shampoo soaps. 198,211; May 5.

Cleartron Vacuum Tube Co. (See Haynes, Maurice S.)

Cleveland Wheelbarrow & Manufacturing Company, The, Garfield Heights, Cleveland, Ohio. Coal chutes. 198,142; May 5; Serial No. 206,397; published Feb. 17, 1925.

Clinton Iron and Steel Company, Pittsburgh, Pa. Pig iron. 46,017; renewed Sept. 5, 1925.

Colorado Tent & Awning Company, The, Denver, Colo. Containers and carriers for fresh water. 198,191; May 5; Serial No. 199,417; published Feb. 24, 1925.

Columbia Machine Works and Malleable Iron Company, Brooklyn, N. Y. News bulletins and announcements. 198,067; May 5; Serial No. 180,524; published Jan. 20, 1925.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph apparatus for recording and reproducing sounds and parts and accessories therefor. 198,096; May 5; Serial No. 205,265; published Feb. 17, 1925.

Comstock Wood Co., Providence, R. I. Artificial pearls. 198,152; May 5; Serial No. 205,862; published Feb. 17, 1925.

Corn Products Refining Company. (See New York Glucose Co., assignor.)

Corning Glass Works, Corning, N. Y. Electrical insulators and insulating compound. 198,172; May 5; Serial No. 197,868; published Feb. 10, 1925.

Crossett, Lewis A., assignor to Lewis A. Crossett Co., North Abington, Mass. Leather boots and shoes. 45,588; renewed Aug. 22, 1925.

Crossett, Lewis A., assignor to Lewis A. Crossett Co., North Abington, Mass. Leather boots and shoes. 46,597; renewed Sept. 26, 1925.

Crossett, Lewis A., assignor to Lewis A. Crossett Co., North Abington, Mass. Leather boots and shoes. 46,679; renewed Aug. 29, 1925.

Cunningham, R. H., and Company, London, Ontario, Canada. Electric furnaces and ovens. 198,183; May 5; Serial No. 201,837; published Feb. 10, 1925.

Daintywear Company, The, Waynesboro, Pa. Knitted underwear and hosiery. 198,146; May 5; Serial No. 206,112; published Feb. 17, 1925.

Darling, Willis F., West Derry; Felix Seeler, doing business as Hemlock Oil Co., Derry, N. H., successor. Liquid medicinal preparation. 46,449; renewed Sept. 19, 1925.

Davies, Rose & Co., Ltd., Boston, Mass. Toilet cream or lotion for the skin. 198,185; May 5; Serial No. 201,286; published Feb. 17, 1925.

Dictaphone Corporation, Bridgeport, Conn. Electric motors and parts thereof, extension cables, etc. 198,072; May 5; Serial No. 188,952; published Feb. 17, 1925.

Diehlem Manufacturing Company, The, Massillon, Ohio. Petticoats. 46,647; renewed Sept. 26, 1925.

Donnelly, Julia, St. Davids, Pa. Face powders, creams, and packs, perfumes, etc. 198,087; May 5; Serial No. 206,947; published Feb. 10, 1925.

Drevet Manufacturing Company, The, New York, N. Y. Remedy for dyspepsia, catarrh of the stomach, ulcers, etc. 44,707; renewed July 18, 1925.

Drevet Manufacturing Company, The, New York, N. Y. Remedy for the destruction of bacteria, microbes, and germs in the human system. 44,881; renewed July 25, 1925.

Drevet Manufacturing Company, The, New York, N. Y. Peroxide of hydrogen. 45,205; renewed Aug. 8, 1925.

Dubilier Condenser & Radio Corporation, New York, N. Y. Fixed and variable condensers, radiotransformers, crystal radiodetectors, and tube rectifiers. 198,171; May 5; Serial No. 198,794; published Feb. 10, 1925.

East Indian Chemical Co. Inc., New York, N. Y. Insect exterminator. 198,186; May 5; Serial No. 201,128; published Feb. 17, 1925.

Economy Clothing Manufacturing Company, Chicago, Ill. Children's suits, knickers, caps, etc. 198,090; May 5; Serial No. 203,458; published Feb. 3, 1925.

Electra-Pura Water Company. (See Jourdan, Russell R.)

Electrical Industries Manufacturing Co., New York, N. Y. Telephone head sets, loud speakers, and loud-speaker units. 198,149; May 5; Serial No. 205,999; published Feb. 10, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 198,199; May 5; Serial No. 207,732; published Feb. 24, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels. 198,200–1; May 5; Serial Nos. 207,727–9; published Feb. 24, 1925.

Enterprise Manufacturing Company, Akron, Ohio. Artificial minnows. 198,202; May 5; Serial No. 207,725; published Feb. 24, 1925.

Enterprise Manufacturing Company, Akron, Ohio. Wire leaders for fish hooks, baits, spoons, etc. 198,203; May 5; Serial No. 207,724; published Feb. 24, 1925.

Enterprise Manufacturing Company, Akron, Ohio. Fishing reels. 198,204; May 5; Serial No. 207,723; published Feb. 24, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Artificial minnows. 198,205; May 5; Serial No. 207,720; published Feb. 24, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing-reel brakes. 198,206; May 5; Serial No. 207,717; published Feb. 24, 1925.

Escalante, Jose, & Co. Cigars. 198,179; May 5; Serial No. 207,557; published Feb. 24, 1925.

Fahys Watch Case Co., The, Sag Harbor, assignor to Joseph Fahys & Co., New York, N. Y. Watchcases. 45,692; renewed Aug. 29, 1925.

Felt & Tarrante Mfg. Co., Chicago, Ill. Key-operated calculating machines. 45,076; renewed Aug. 8, 1925.

Flint, Eaton & Company, Decatur, Ill. Emollient dressings. 198,111; May 5; Serial No. 204,446; published Feb. 17, 1925.

Florida Products Association, The, Miami, Fla. Tonic medicine. 198,183; May 5; Serial No. 202,444; published Jan. 27, 1925.

Franklin Simon & Co., Inc., New York, N. Y. Shirtwaists and shirts. 198,080; May 5; Serial No. 194,674; published June 24, 1924.

Fritzsche Brothers, Inc., New York, N. Y. Oil of ylang-ylang. 198,126; May 5; Serial No. 207,129; published Feb. 10, 1925.

Gallub, Philip, New York, N. Y. Silk piece goods. 198,081; May 5; Serial No. 195,277; published Aug. 5, 1924.

Garrett, Robert J., jr., Jackson, Miss. Hair growers. 198,102; May 5; Serial No. 204,960; published Feb. 17, 1925.

Geisler, Eugen Co., Inc., Chicago, Ill. Drumheads. 198,217. May 5.

General Fireproofing Company, The, Youngstown, Ohio. Metallic boxes, cash drawers, and wastebaskets. 198,223; May 5.

Gibbs, George W., Brooklyn, N. Y. Waterproofing compound or composition. 198,129; May 5; Serial No. 207,070; published Feb. 10, 1925.

Glasco Electric Co., St. Louis, Mo. Electric-lighting fixtures. 198,107–9; May 5; Serial Nos. 204,855–7; published Feb. 10, 1925.

Glover, H. Clay, Co., Inc., New York, N. Y. Preparations for treating the scalp. 198,128; May 5; Serial No. 207,075; published Feb. 10, 1925.

Grandette Manufacturing Company, Chicago, Ill. Ornamental boxes. 198,190; May 5; Serial No. 205,526; published Feb. 24, 1925.

Haas Brothers Fabrics Corporation. Piece goods of silk, artificial silk, cotton, and linen. 198,176; May 5; Serial No. 196,017; published June 17, 1924.

Hall Planetary Thread Milling Machine Company, The, Philadelphia, Pa. Milling machines and parts thereof. 198,074; May 5; Serial No. 189,157; published Feb. 17, 1925.

Handy Things Manufacturing Company, Ludington, Mich. Fruit and vegetable slicers, vegetable forks, can wrenches, etc. 198,075; May 5; Serial No. 189,457; published Feb. 17, 1925.

Hart, Schaffner & Marx, Chicago, Ill. Overcoats. 198,166; May 5; Serial No. 207,351; published Feb. 17, 1925.

Havay, Paul, Sagamore, Pa. Medicine for stomach trouble and rheumatism. 198,138; May 5; Serial No. 206,619; published Feb. 17, 1925.

Haynes, Maurice S., doing business as Cleartron Vacuum Tube Co., assignor to C-T Radio Corporation, New York, N. Y. Three-element vacuum radiotubes. 198,141; May 5; Serial No. 206,574; published Feb. 17, 1925.

Hemlock Oil Co. (See Darling, Willis F.)

Herbener, Henry M., Memphis, Tenn. Mattresses. 198,196; May 5; Serial No. 198,184; published Jan. 20, 1925.

Hondo Valley Orchards. (See Shrecengost, D. J., Co.)

Hopkins, Robt. C., doing business as The Volcanic Specialities Co., Alliance, Ohio. Flux. 198,105–6; May 5; Serial Nos. 204,911–12; published Feb. 17, 1925.

Hubbell, Harvey, Incorporated, Bridgeport, Conn. Electric switches, current taps, etc. 198,066; May 5; Serial No. 179,041; published Feb. 10, 1925.

Hudson, J. L., Company, The, Detroit, Mich. Coats, vests, trousers, overcoats, and raincoats. 198,156; May 5; Serial No. 207,573; published Feb. 17, 1925.

Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 198,069; May 5; Serial No. 186,996; published Feb. 17, 1925.

Hunt, Helm, Ferris & Co., Harvard, Ill. Vehicles. 198,208; May 5; Serial No. 205,602; published Feb. 24, 1925.

Iama Novelty & Music Shop, Chicago, Ill. Phonograph records and music rolls. 198,068; May 5; Serial No. 186,595; published Feb. 10, 1925.

Imperial Underwear Corporation, The, Piqua, Ohio. Hosiery. 198,092; May 5; Serial No. 198,803; published Feb. 17, 1925.

Jacobs, Tobias, Omaha, Nebr. Attachments to telephone transmitter instruments used as antennæ for reception of radiosignals. 198,134; May 5; Serial No. 206,903; published Feb. 17, 1925.

Jamestown Brewing Co., Jamestown, N. Y. Distilled water and beverages sold as soft drinks. 198,198; May 5; Serial No. 180,604; published Aug. 5, 1924.

Jenkins, Alfred B., assignor to Jenkins Bros., New York, N. Y. Valves and parts of valves. 46,196; renewed Sept. 12, 1925.

Jourdan, Russell R., doing business as Electra-Pura Water Company, Dallas, Tex. Drinking waters purified by electrolysis, etc. 198,077; May 5; Serial No. 193,598; published July 29, 1924.

Joy-Kelsey Corporation, Chicago, Ill. Radio receiving sets. 198,117; May 5; Serial No. 207,246; published Feb. 17, 1925.

K Z Co. (See Klein, U. W.)

Kastor, Adolph, & Bros., New York, N. Y. Hair clippers. 198,132; May 5; Serial No. 207,021; published Feb. 17, 1925.

Kay Bee Manufacturing Company, Los Angeles, Calif. Stop and direction signals for use on automobiles. 198,222; May 5.

Keystone Watch Case Company, The. (See Philadelphia Watch Case Co.)

Kibbe Brothers Company, Springfield, Mass. Chocolates, chocolate-covered nuts, caramels, etc. 198,188; May 5; Serial No. 200,322; published Sept. 30, 1924.

Kill-Rust Corp., The, Palmetto, Fla. Chemical spray material for spraying tomato plants. 198,165; May 5; Serial No. 207,388; published Feb. 10, 1925.

Kimball, A., Co., New York, N. Y. Pin tickets, tags, and labels. 44,687–8; renewed July 18, 1925.

Kimball, A., Co., New York, N. Y. Pin tickets, tags, and labels. 44,816; renewed July 25, 1925.

Kimball, A., Co., New York, N. Y. Pin tickets, tags, and labels. 45,277; renewed Aug. 8, 1925.

Klein, W. W., doing business as K Z Co., Altoona, Ala. Powders for exterminating leaf-eating insects and cabbage, tomato, and tobacco worms. 198,225; May 5.

Krammer, Joseph, London, England. Compressed asbestos sheeting. 198,076; May 5; Serial No. 191,025; published Feb. 3, 1925.

Kurz-Kasch Company, The, Dayton, Ohio. Radio dials and knobs. 198,140; May 5; Serial No. 206,581; published Feb. 17, 1925.

Lavoy Manufacturing Company, Detroit, Mich. Combined electric sadirons, air or space heaters and cookers. 198,112; May 5; Serial No. 204,319; published Feb. 10, 1925.

Lee, William W., assignor to William W. Lee & Co., Troy, N. Y. Croup specific. 45,786; renewed Aug. 29, 1925.

Liberty & Co. Limited, London, England. Artificial silk in the piece. 198,180; May 5; Serial No. 203,132; published Feb. 17, 1925.

Liebman, William H., doing business as Pep-O-Lene Manufacturing Company, Youngstown, Ohio. Liquid chemical for increasing the combustibility or firing point of liquid hydrocarbon fuels. 198,097; May 5; Serial No. 205,214; published Feb. 17, 1925.

Lilly, Eli, & Company, The, now, by change of name Eli Lilly & Company, Indianapolis, Ind., assignor to J. L. Thomas, McKeesport, Pa. Medicinal preparation. 198,064; May 5; Serial No. 161,366; published July 3, 1923.

Lufrie Company, Inc., The, New York, N. Y. Dentifrices. 198,119; May 5; Serial No. 207,194; published Feb. 17, 1925.

Lyons Medicine Company, Poteau, Okla. Hair tonic, hair-color restorer, and dandruff remover. 198,160; May 5; Serial No. 207,466; published Feb. 10, 1925.

Malt-Diastase Co., assignor to Maltzyne Company, New York, N. Y. Malt extract. 46,459; renewed Sept. 19, 1925.

Maltzyne Company. (See Malt-Diastase Co., assignor.)

Manning, Bowman & Co., Meriden, Conn. Electrical appliances. 198,145; May 5; Serial No. 206,178; published Feb. 10, 1925.

Mano, Mitzi, San Francisco, Calif. Hair tonic. 198,116; May 5; Serial No. 207,249; published Feb. 10, 1925.

Marcus Ward Company, assignor to Marcus Ward, Inc., New York, N. Y. Writing paper and envelopes. 44,749; renewed July 25, 1925.

Marshall, Erd, Co., Port Huron, Mich. Dresses. 198,120; May 5; Serial No. 207,184; published Feb. 17, 1925.

Mayer & Loewenstein; Mayer & Loewenstein, New York, N. Y., successor. Varnishes, japans, oil finish, and bronzing liquid. 46,556; renewed Sept. 26, 1925.

McGrew Machine Company, The, Lincoln, Nebr. Folding camp beds, chairs, stools, and tables. 198,219; May 5.

McLaurin-Jones Co., Brookfield, Mass. Coated paper. 198,209; May 5.

McLeod & Henry Co., Troy, N. Y. Clay fire bricks. 45,649; renewed Aug. 22, 1925.

Michel Electric Hand Saw Company, Chicago, Ill. Electric-power-driven rotary cutting implements. 198,104; May 5; Serial No. 204,923; published Feb. 10, 1925.

Montauk Distributing Co., Brooklyn, N. Y. Preparation for the treatment of impotency. 198,175; May 5; Serial No. 196,539; published Feb. 17, 1925.

Morrell Mills, Inc., Philadelphia, Pa.; New York, N. Y.; and Chicago, Ill. Piece goods of cotton and silk for draperies. 198,079; May 5; Serial No. 194,203; published Feb. 17, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Toilet soap. 44,794; renewed July 25, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Toilet soap. 44,821–2; renewed July 25, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Antiseptic fluid. 44,947; renewed Aug. 1, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Perfume and toilet water. 45,479; renewed Aug. 22, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Cologne and Florida water and perfumery. 45,617; renewed Aug. 22, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff, Inc., New York, N. Y. Toilet soap. 45,709; renewed Aug. 29, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Perfumery. 45,743; renewed Aug. 29, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Hair tonic. 45,775; renewed Aug. 29, 1925.

Mülhens & Kropff, assignor to Mulhens & Kropff Inc., New York, N. Y. Toilet soap. 46,465; renewed Sept. 19, 1925.

Music Master Corporation, Philadelphia, Pa. Radio receiving sets, radio amplifier units, etc. 198,182; May 5; Serial No. 201,970; published Feb. 10, 1925.

National Carbon Company, Inc., New York, N. Y. Electric batteries. 198,131; May 5; Serial No. 207,027; published Feb. 17, 1925.

National Toilet Company, Paris, Tenn. Cream ointment. 46,466; renewed Sept. 19, 1925.

Nell, Della, Los Angeles, Calif. Liquid rouge, face lotions, and face bleaches. 198,124; May 5; Serial No. 207,140; published Feb. 10, 1925.

Nell, Della, Los Angeles, Calif. Rouge. 198,125; May 5; Serial No. 207,139; published Feb. 10, 1925.

Newichawanick Company, South Berwick, Me. Horse blankets. 46,712; renewed Oct. 3, 1925.

New Orleans Coffee Co. Ltd., New Orleans, La. Roasted and ground coffee. 46,629; renewed Sept. 26, 1925.

New York Glucose Co., assignor to Corn Products Refining Company, New York, N. Y. Table sirup. 46,561–2; renewed Sept. 26, 1925.

Nicotineoff Co. (See Waddell, W. Harvey.)

Ohashi, Mitsusabro, doing business as M. Ohashi, San Francisco, Calif. Sauce made from soy beans, etc. 198,073; May 5; Serial No. 188,967; published Feb. 17, 1925.

Osmond & Son, Limited, Grimsby, England. Ointment for the treatment of cows' bags, sore teats, etc. 198,095; May 5; Serial No. 205,292; published Feb. 17, 1925.

Pep-O-Lene Manufacturing Company. (See Liebman, William H.)

Permagraph Carbon & Ribbon Company. (See Shannon, Harry R.)

Pezziol, G. B., Padova, Italy. Preparation comprising yolk of eggs with sugar and wine used as a food and tonic. 198,170; May 5; Serial No. 199,090; published Feb. 10, 1925.

Philadelphia Watch Case Co.; The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successor. Watches, watchcases, and watch movements. 46,564; renewed Sept. 26, 1925.

Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. 198,091; May 5; Serial No. 199,017; published Feb. 17, 1925.

Piroxloid Products Corporation, New York and Long Island City, N. Y. Loud speakers. 198,136; May 5; Serial No. 206,800; published Feb. 17, 1925.

Plowman, Frank E., doing business as Frank E. Plowman Co., Chicago, Ill. Electric signs. 198,226; May 5.

Premier Electric Company, Chicago, Ill. Electrical condensers. 198,127; May 5; Serial No. 207,097; published Feb. 17, 1925.

Premier Mfg. Co., Inc., Lexington, Ky. Children's play suits. 198,164; May 5; Serial No. 207,401; published Feb. 17, 1925.

Progressive Musical Instrument Corporation, New York, N. Y. Ukuleles, banjo ukuleles, and strings therefor. 198,157; May 5; Serial No. 207,516; published Feb. 17, 1925.

Purdue Frederick Co., The, New York, N. Y. Tonic compound. 46,229; renewed Sept. 12, 1925.

Pyramid Twin Shingle Company, Chicago, Ill. Shingles. 198,197; May 5; Serial No. 190,207; published Jan. 13, 1925.

Q R S Music Company, The, Chicago, Ill. Loud speaker or amplifier. 198,113; May 5; Serial No. 203,747; published Feb. 10, 1925.

Quadrangle Mfg. Co., Chicago, Ill. Pendant switches with live plug receptacles. 198,212; May 5.

Radio Corporation of America, New York, N. Y. Loud speakers. 198,098–9; May 5; Serial Nos. 205,171–2; published Feb. 10, 1925.

Rue-Lite Manufacturing Co., Baltimore, Md. Stop lights, parking lights, dash switches, etc. 198,114; May 5; Serial No. 203,535; published Feb. 10, 1925.

Ragan Knitting Company, Thomasville, N. C. Boys' and misses' hosiery and men's half hose. 198,144; May 5; Serial No. 206,188; published Feb. 17, 1925.

Reinthal & Newman, New York, N. Y. Art postcards and pictures, photogravures, etc. 198,227; May 5.

Remmers Soap Company, The, Cincinnati, Ohio. Soap. 198,215; May 5.

Rice, F. R., Mercantile Cigar Co., St. Louis, Mo. Cigars. 45,559; renewed Aug. 22, 1925.

Rich, Nathan H., & Bro., New York, N. Y. Cotton piece goods. 198,089; May 5; Serial No. 206,693; published Feb. 17, 1925.

Richardson & Boynton Co., New York, N. Y. Boilers. 46,403; renewed Sept. 19, 1925.

Rockford Tool Company, Rockford, Ill. Lathes. 198,085; May 5; Serial No. 167,326; published Feb. 17, 1925.

Rosenthal, E. M., Jewelry Company, Washington, D. C. Artificial pearls. 198,133; May 5; Serial No. 206,921; published Feb. 17, 1925.

Rush-Eckhardt Laboratories, Los Angeles, Calif. Mouth wash. 198,115; May 5; Serial No. 207,263; published Feb. 10, 1925.

S. & S. Manufacturing Company. (See Seesholtz, Gerald S.)

Schlesinger Bros., New York, N. Y. Hosiery, underwear, sweaters, and bathing suits. 198,172; May 5; Serial No. 198,197; published Feb. 17, 1925.

Scientific Products, Inc., Chicago, Ill. Chocolate emulsion for use as a tonic. 198,139; May 5; Serial No. 206,598; published Feb. 17, 1925.

Seeler, Felix. (See Darling, Willis F.)

Seesholtz, Gerald S., doing business as S. & S. Manufacturing Company, Columbus, Ohio. Puzzle game. 198,152; May 5; Serial No. 189,868; published Feb. 24, 1925.

Semet-Solvay Company, Pittsburgh, Pa., assignor to Semet-Solvay Company, Syracuse, N. Y. Pigments. 45,615; renewed Aug. 22, 1925.

Shannon, Harry R., doing business as Permagraph Carbon & Ribbon Company, Chicago, Ill. Transfer or manifold and hectograph papers inked with carbon or aniline dyes. 198,070; May 5; Serial No. 187,353; published Feb. 10, 1925.

Shaw Stocking Co., Lowell, Mass. Hosiery. 44,847; renewed July 25, 1925.

Shrecengost, D. J., Co., doing business as Hondo Valley Orchards, Roswell, N. Mex. Fresh apples. 198,221; May 5.

Silver Lake Company, Boston; Silver Lake Company, Newton, Mass. Cords, lines, twines, and ropes. 46,431; renewed Sept. 19, 1925.

Silver Lake Company, Boston; Silver Lake Company, Newton, Mass. Braided cords. 46,526; renewed Sept. 26, 1925.

Simpson, William A., doing business as Walker Hill Dairy, Washington, D. C. Fresh milk, buttermilk, and cream. 198,137; May 5; Serial No. 206,755; published Feb. 3, 1925.

Six Little Tailors, Boston, Mass. Suits, parts thereof, and overcoats. 198,189; May 5; Serial No. 200,015; published Feb. 17, 1925.

Skelton Shovel Co. Inc., Dunkirk, N. Y. Shovels and spades. 198,123; May 5; Serial No. 207,152; published Feb. 17, 1925.

Smith-Alsop Paint and Varnish Company, Terre Haute, Ind. Mixed paints. 198,220; May 5.

Society of Chemical Industry in Basle, Basel, Switzerland. Chemical and pharmaceutical preparation to be used as an analeptic agent. 198,167; May 5; Serial No. 207,314; published Feb. 10, 1925.

Spencerian Pen Co., The, New York, N. Y. Pens. 46,206; renewed Sept. 12, 1925.

Stand Pat Easel Co., Detroit, Mich. Easels and supports for display cards, pictures, etc. 198,195; May 5; Serial No. 202,082; published Feb. 3, 1925.

Stein, S., & Company, New York, N. Y. Woolen piece goods. 198,082; May 5; Serial No. 195,313; published July 1, 1924.

Steinharter, Joseph J., Toledo, Ohio. Amplifier and detector tubes for radio apparatus. 198,168; May 5; Serial No. 207,268; published Feb. 17, 1925.

Stiefel, W. H., Angola, Ind. Chemical composition for increasing the heating value of coal. 198,158; May 5; Serial No. 207,478; published Feb. 10, 1925.

Sunset Record Co., Los Angeles, Calif. Phonographs and phonograph records and needles. 198,155; May 5; Serial No. 207,694; published Feb. 17, 1925.

Theodoru, Denis, doing business as Denis Theodoru & Company, Springfield, Mass. Remedies for the treatment of gallstones. 198,218; May 5.

Theodoru, Denis, doing business as Denis Theodoru & Company, Springfield, Mass. Remedies for the treatment of dysentery. 198,214; May 5.

Thomas, John L. (See Lilly, Eli, & Company, The, assignor.)

Thomas, R., & Sons Co., The, East Liverpool, Ohio. Electrical insulators. 198,103; May 5; Serial No. 204,939; published Feb. 10, 1925.

Thompson-Barlow Company, Inc., The, New York, N. Y. Face cream. 198,085; May 5; Serial No. 207,315; published Feb. 10, 1925.

Tozzi, James, doing business as James Tozzi & Co., New York, N. Y. Fresh grapes. 198,218; May 5.

Trenka, Franz, doing business as F. Trenka Chemisch-Pharmazeutische Fabrik, Vienna, Austria. Carbon lozenges. 198,187; May 5; Serial No. 200,534; published Feb. 17, 1923.

Triangle Electric Co., Chicago, Ill. Radio receiving sets. 198,086; May 5; Serial No. 207,157; published Feb. 17, 1925.

Vacuum Oil Company, New York, N. Y. Lubricating oils. 198,216; May 5.

Volcanic Specialities Co., The. (See Hopkins, Robt. C.)

Voorhees, Joseph P., New York, N. Y. Hosiery for children. 198,159; May 5; Serial No. 207,481; published Feb. 17, 1925.

Vorclone Company, Milwaukee, Wis. Laundry and dry-cleaning drying tumblers. 198,224; May 5.

Waddell, W. Harvey, doing business as Nicotineoff Co., Chicago, Ill. Preparations for removing stains, tartar, film, etc., from the teeth. 198,118; May 5; Serial No. 207,214; published Feb. 10, 1925.

Wadsworth, Howland & Co. Incorporated, Boston, Mass. Colors dry or mixed with oil. 45,727; renewed Aug. 29, 1925.
Wadsworth, Howland & Co. Incorporated, Boston, Mass. Varnishes. 45,753; renewed Aug. 29, 1925.
Wadsworth, Howland & Co. Incorporated, Boston, Mass. Luster or varnish. 46,166; renewed Sept. 5, 1925.
Walker Hill Dairy. (See Simpson, William A.)
Waltke, William, & Co., St. Louis, Mo. Soap. 44,509; renewed July 11, 1925.
Ware Radio Corporation, New York, N. Y. Radio transmitting and receiving sets, coils, and repair parts therefor. 198,083; May 5; Serial No. 195,605; published Feb. 10, 1925.
Wark, M. Catherine, New York, N. Y. Preparation for use as a mother's milk producing and reconstructing remedy. 198,184; May 5; Serial No. 201,786; published Feb. 17, 1925.
Waterbury Clock Co., Waterbury, Conn. Clocks. 46,208; renewed Sept. 12, 1925.
Weber Medical Tea Co., The, Brooklyn, N. Y. Remedy for purifying the blood. 46,164; renewed Sept. 5, 1925.
Westerholm Company, The, Chicago, Ill. Ginger ale. 44,746; renewed July 25, 1925.
West, Harry, New York, N. Y. Ladies' hosiery. 198,084; May 5; Serial No. 207,423; published Feb. 17, 1925.
West Side Wholesale Grocery Co., Chicago, Ill. Lye. 198,162; May 5; Serial No. 207,425; published Feb. 10, 1925.
West Side Wholesale Grocery Co., Chicago, Ill. Salt. 198,163; May 5; Serial No. 207,424; published Feb. 10, 1925.
Wilmer Atkinson Co., Philadelphia, Pa. Monthly agricultural paper or periodical. 45,875; renewed Aug. 29, 1925.
Wolfe & Lang, Inc., New York, N. Y. Shirred ribbon elastic, narrow cotton and silk elastic, and braids. 198,094; May 5; Serial No. 193,744; published Jan. 20, 1925.
Woodsome-Macy Co., Inc., New Bedford, Mass. Dress, negligee, and work shirts. 198,154; May 5; Serial No. 205,805; published Feb. 17, 1925.
Worcester Lawn Mower Company, Worcester, Mass. Lawn mowers. 198,130; May 5; Serial No. 207,050; published Feb. 17, 1925.
Wright, E. T., & Co., assignor to E. T. Wright & Co. Inc., Rockland, Mass. Leather boots and shoes. 45,772; renewed Aug. 29, 1925.
Zimmerman, Carol, New York, N. Y. Lingerie. 198,110; May 5; Serial No. 204,489; published Feb. 17, 1925.
Zoellner-Werke Aktiengesellschaft für Farben- und Lackfabrikation vormals S. H. Cohn, Neukolln, Germany. Lacquers and varnishes. 198,193; May 5; Serial No. 202,844; published Feb. 24, 1925.
Zoellner-Werke Aktengesellschaft für Farben- und Lackfabrikation vormals S. H. Cohn, Neukolln, Germany. Lacquers and varnishes. 198,194; May 5; Serial No. 202,843; published Feb. 24, 1925.
Zorro Tobacco Co. Inc., New York, N. Y. Smoking and chewing tobacco. 198,207; May 5; Serial No. 207,484; published Feb. 24, 1925.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Ace Chip Company. (See Winks, John O.)
Acme Products Company, New Orleans and De Quincy, La. Pine oil. 207,589; May 5.
Aktiebolaget Hugo Hallgrens Konservfabriker, Gottenborg, Sweden. Canned fish spawn and caviar, smoked, dried, and preserved fish, etc. 187,276; May 5.
Alaska Salmon Company, San Francisco, Calif. Canned salmon. 210,775-6; May 5.
Allen-Qualley Company, St. Paul, Minn. Candies. 199,337; May 5.
Ambest Cleaner Co. (See Coon, Henry F.)
American Candy Co., Milwaukee, Wis. Candy. 194,427; May 5.
American Reenforced Paper Company, Attleboro, Mass. Reenforced paper for wrapping packages and other purposes. 207,052; May 5.
Anchor Stove and Range Co., New Albany, Ind. Coal cabinet heaters. 209,193; May 5.
An-Fo Manufacturing Co. (See Rosefield, J. B.)
Angiolillo Brothers, New York, N. Y. Canned olive oil, marcaroni, and canned tunny fish. 203,398; May 5.
Arden, Elizabeth. (See Lewis, Florence N.)
Arnold, Charles, doing business as Arnold's and Chas. Arnold & Sons, Peru, Ind. Candy in bar form. 196,998; May 5.
Asociación Cultivadora del Té Azteca, Mexico, Mexico. Medicinal tea. 208,549; May 5.
Associated Fruit Company, The, Delta, Colo. Fresh apples. 210,436; May 5.
Associated Fruit Company, The, Delta, Colo. Fresh apples and peaches. 210,824; May 5.
Astleford, Robert J., Hazleton, Pa. Leather food. 193,649; May 5.
Atlantic Mills, Oneyville, Providence, R. I. Worsted piece goods. 210,031-2; May 5.
Auerbach, D., & Sons, New York, N. Y. Candies. 209,609; May 5.
B & B Syndicate. (See Besser, William J.)
Baker & Co., Inc., Newark, N. J. Dental wire. 178,952; May 5.
Baltic India Rubber Company "Quadrat," Riga, Latvia. Rubber overshoes. 202,316; May 5.
Barnstead Still and Sterilizer Co., Forest Hills, Mass. Apparatus for sterilizing surgical and dental instruments. 207,775; May 5.
Bayer Company, Inc., The, New York, N. Y. Insecticides, fungicides, disinfectants, etc. 208,273-4; May 5.
Bayne, Barbara, Los Angeles, Calif. Short stories, etc. 196,227; May 5.
Bear, Grover C., doing business as G. C. Bear & Co., Detroit, Mich. Cocoa and chocolate. 193,378; May 5.
Beaver Products Company, Inc., The, Buffalo, N. Y. Prepared roofing shingles. 209,567; May 5.
Benevolent and Protective Order of Elks of the United States of America, New York, N. Y. Monthly magazine. 209,622; May 5.
Benzyl-Viburnum Laboratory, Washington, D. C. Pharmaceutical preparation for the relief of painful menstruation. 211,251; May 5.
Berkander, George F., Providence, R. I. Celluloid jewelry. 211,003; May 5.
Besser, William J., doing business as B & B Syndicate, St. Louis, Mo. Herb compound forming a blood and nerve tonic. 211,515; May 5.
Beswick, David, Brooklyn, N. Y. Sewing machines. 208,952; May 5.
Bianchini, Ferier, Lyon, France. Piece goods of silk, cotton, wool, and hair. 200,031; May 5.
Bingham, W., Company, The, Cleveland, Ohio. Padlocks. 208,091; May 5.
Blayney-Murphy Company, Denver, Colo. Shortening. 207,060; May 5.
Bonnet-Brown Corporation, The, Chicago, Ill. Monthly publication. 206,181; May 5.
Bosson, Edward P., doing business as Bosson & Lane, Atlantic, Mass. Sizing compounds for textiles. 210,266; May 5.
Boyd Packing Company, Richmond, Va. Ham, bacon, lard, and lard substitute. 200,540; May 5.
Brass, Edgar E., doing business as Petersburg Canning Works, Petersburg, Ill. Canned vegetables. 201,533; May 5.
Bristol Bay Packing Company, San Francisco, Calif. Canned salmon. 210,525-6; May 5.
Bristol Bay Packing Company, San Francisco, Calif. Canned salmon. 210,704; May 5.
Building Age Pulishing Corporation, New York, N. Y. Monthly magazine. 207,065; May 5.
Bunte Brothers, Chicago, Ill. Candy. 210,441; May 5.
Burney & Good Manufacturing Co. (See Wonder Manufacturing Co.)
Burnham Chemical Company, Reno, Nev. Soaps, soap chips, washing powder, and shaving soap. 207,229; May 5.
Camden Canning Co., Eaton, Ohio. Canned tomatoes and tomato purée. 211,327; May 5.
Cappell, Theodore, doing business as Chlorogen Chemical Company, Pittsburgh, Pa. Disinfectant, antiseptic, germicide, and bleach. 210,827; May 5.
Cardinet Candy Company, (Inc.) Oakland, Calif. Candy. 211,460; May 5.
Carolina Club Company, The, Rock Hill, S. C. Ginger ale. 210,444; May 5.
Carolina Cotton & Woolen Mills Company, Spray, N. C. Cotton blankets. 207,966; May 5.
Carpenter & Paterson Inc., Boston and East Boston, Mass. Copper floats, lead traps, roof flanges, and trap covers. 192,816; May 5.
Central Paper Company, Menasha, Wis. Shelf, drawing, wrapping, etc., paper. 209,120; May 5.
Chabrow Brothers, Philadelphia, Pa. Butter, canned fruits and vegetables, etc. 209,528; May 5.
Chesebrough Manufacturing Co., Consolidated, New York, N. Y. Petroleum jelly and preparations thereof. 209,829; May 5.
Chicago Thrift Company, Chicago, Ill. Banks. 178,553; May 5.
Chlorogen Chemical Company. (See Cappell, Theodore.)

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Claflins Incorporated, New York, N. Y. Cotton piece goods—viz, sheetings, sheets, and pillowcases. 202,740; May 5.
Clark, W. T., Nashville, Tenn. Sandwiches, fruit, fish, and meat salads, and candy. 208,897; May 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,280; May 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,286; May 5.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 210,356; May 5.
Coast Speciality Company, Portland, Oreg. Toy wagons, scooters, wheelbarrows, etc. 207,617; May 5.
Code Users, Inc., New York, N. Y. Book published annually. 210,288; May 5.
Continental Scale Works, Chicago, Ill. Weighing scales. 209,623-4; May 5.
Conveyor Co., The, Los Angeles, Calif. Conveyer rolls. 205,688; May 5.
Cook, W. C., & Co., Clovis, Calif. Dried fruits. 211,018; May 5.
Coon, Henry F., doing business as Ambest Cleaner Co., Detroit, Mich. Washing powders used for general cleaning purposes. 209,977; May 5.
Croll, Jesse G., doing business as Jesse G. Croll & Son, Philadelphia, Pa. Sealing compound. 209,204; May 5.
"Dabeg" Maschinenfabriks Aktiengesellschaft, Vienna, Austria. Steam-boiler feed apparatus, steam blowers, etc. 192,312; May 5.
Dallas Belting Company, Dallas, Tex. Rubber belting. 210,535; May 5.
Danahy, Edward T., Co., Inc., Buffalo, N. Y. Hams, pork, veal, lard, etc. 210,448; May 5.
Dearborn Company, The, Chicago, Ill. Furniture. 182,499; May 5.
Detroit Auto Vac Corp., Detroit, Mich. Suction cleaner for all inclosed automobiles. 206,063; May 5.
Detroit Graphite Company, Detroit, Mich. Aluminum paint. 208,230; May 5.
Dinkler, Joseph A., Oklahoma City, Okla. Picture mounts. 209,209; May 5.
Direct Coupon Corporation, New York, N. Y. Coupon books. 188,026; May 5.
Dolge, C. B., Co., The, Westport, Conn. Preparation for cleaning exteriorly walls, woodwork, marble, sinks, etc. 210,646; May 5.
Durante, Marie R., Utica, N. Y. Chest and back protector garments. 166,525; May 5.
Durion Company, Inc., The, Dayton, Ohio. Metal pipes, pipe fittings, etc., of corrosion-resisting composition. 204,442; May 5.
Ecuadorian Panama Hat Company. (See Israel, Elias.)
Edge, Wm., & Sons, Limited, Bolton, England. Dyes. 211,022; May 5.
Educational Service, Inc., Cleveland, Ohio. Drawing instruments and materials. 209,283; May 5.
Efiros, George, Corporation, New York, N. Y. Dry malt for baking purposes. 206,481; May 5.
Eugene Ltd., New York, N. Y. Sachets or devices for use in permanent hair waving and hair treatments. 209,285; May 5.
Everton, Otis C., doing business as Otis Everton Company, Chattanooga, Tenn. Candy. 208,566; May 5.
Everton, Otis, Co. (See Everton, Otis C.)
Fairchild Bros. & Foster, New York, N. Y. Product of mineral constituents of marine plants for the treatment of diseases. 209,337; May 5.
Fangboner, Irvin T., Co., The, Bellevue, Ohio. Coal. 210,062; May 5.
Fawcett Publications Inc., doing business as Paris Publishing Co., Robbinsdale, Minn. Monthly publication. 209,287; May 5.
Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber inner tubes for tires. 200,485; May 5.
Florian Inc., Des Moines, Iowa. Shaving soaps. 210,786; May 5.
Florian Inc., Des Moines, Iowa. Tooth paste and face lotion. 210,787; May 5.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Tea. 211,415; May 5.
Fort Plain Knitting Co., Fort Plain, N. Y. Underwear and hosiery. 211,025; May 5.
Frankel, Edward T., New York, N. Y. Mathematical publications. 152,743; May 5.
Franklin Simon & Co., Inc., New York, N. Y. Soaps. 208,750; May 5.
Franklin Simon & Co., Inc., New York, N. Y. Soaps. 208,752-3; May 5.
Fritz, Ada G., executrix of the estate of Martin H. Fritz, doing business as Shillington Hosiery Mills, Shillington, Pa. Hosiery. 210,960; May 5.
Fritzsche Brothers, Inc., New York, N. Y. Essential oils for use in the production of soaps, perfumes, and toilet preparations. 210,297; May 5.
Frubleusky, William, Hartford, Conn. Medicinal preparation or salve used in the treatment of trachoma, etc. 205,328; May 5.
Fuji Trading Company, The, Chicago, Ill. Canned chow mein noodles, vegetables, molasses, sho-yu sauce, etc. 209,290; May 5.
Funk & Wagnalls Company, New York, N. Y. Periodical published monthly. 194,791; May 5.
Gavaletz, John M., Saratoga Springs, N. Y. Liniment. 210,548; May 5.
General Motors Corporation, Detroit, Mich. Automobiles. 202,986-9; May 5.
Gillespie Varnish Company, Jersey City, N. J. Enamel paint. 199,283; May 5.
Gimbal Brothers, San Francisco, Calif. Candy. 211,092; May 5.
Globe Soap Company, The, Cincinnati, Ohio. Washing or cleansing powder. 202,167; May 5.
Globe Stamp & Seal Co., Little Rock, Ark. Rubber stamps. 209,784; May 5.
Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 199,058; May 5.
Goodrich, B. F., Company, The, New York, N. Y. Pneumatic tires. 211,164; May 5.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Inner tubes for pneumatic vehicle tires and tubes. 210,549; May 5.
Great American Laboratories, The. (See Great American Tea Co., The.)
Great American Tea Company, The, doing business as The Great American Laboratories, Brooklyn, N. Y. Almond cream, toilet water, face powder, etc. 209,401; May 5.
Haas Brothers, San Francisco, Calif. Canned peas. 209,843; May 5.
Hagerstown Shoe & Legging Co., Inc., Hagerstown, Md. Barefoot sandals and oxfords made of leather. 211,206; May 5.
Hamilton, Brown Shoe Company, St. Louis, Mo. Leather and fabric shoes. 207,078; May 5.
Harris & Reichard Fur Dyers, Inc., Brooklyn, N. Y. Fur skins. 210,613; May 5.
Harrison, Nathaniel W., doing business as Indian Remedy Company, Baltimore, Md. Preparation for catarrh, indigestion, headache, etc. 178,964; May 5.
Hartman, Robert H., Baltimore, Md. Material to patch inner tubes and other rubber goods. 207,132; May 5.
Hedman Manufacturing Company, Chicago, Ill. Semi-monthly periodical. 210,889; May 5.
Heine, L. Allen, doing business as The Heine Service, Ltd., Louisville, Ky. Advertising matter sold as such. 206,069; May 5.
Herbst Chemical Corp., New York, N. Y. Mouth wash and tooth paste. 210,731; May 5.
Hettinger, Harry C., Philadelphia, Pa. Candy. 208,517; May 5.
Hilb-Frankel Co. Inc., Denver, Colo. Hosiery. 211,530; May 5.
Hill, Arthur E., Los Angeles, Calif. Candies and chocolates. 211,211; May 5.
Hinds, A. S., Co., Portland, Me. Cream for the face, hands, skin, and complexion. 209,475; May 5.
Hinds, A. S., Co., Portland, Me. Cream for the face, skin, etc., and face and toilet powders. 209,731; May 5.
Howe, Margaret F., New York, N. Y. Dolls. 191,252; May 5.
Huey, Leslie P., St. Louis, Mo. Memorandum books. 209,295; May 5.
Hunt, Hatch & Co., San Francisco, Calif. Fresh citrous and deciduous fruits. 211,030; May 5.
Illinois Asbestos Products Company, Chicago, Ill. Insulating material. 209,669; May 5.
Imp-O-Luck Company. (See Viquesney, Ernest M.)
Indian Remedy Company. (See Harrison, Nathaniel W.)
Indiana Manufacturing Co. (See Tyson, James A.)
Internationale Laboratorien Arlesheim A. G., Arlesheim, Switzerland. Medicine for hay fever. 205,832; May 5.
Irlondo Azumendi, Joaquin, Ondarroa, Spain. Canned fish. 208,467; May 5.
Irving-Pitt Manufacturing Company, Kansas City, Mo. Loose-leaf ring binders, folders, covers, etc. 207,244; May 5.
Israel, Elias, doing business as Ecuadorian Panama Hat Company, New York, N. Y. Woven fiber hats. 160,064; May 5.
Israel, Leon, & Bros. Inc., New York, N. Y. Green coffee. 211,273; May 5.
Jones, Mrs. Ciet. J., Elk River, Idaho. Hair dye. 210,964; May 5.
Josephson, Max, doing business as National Hosiery Stores Company, New York, N. Y. Hosiery. 202,396; May 5.
Kansas City Pectin Co. Inc., Kansas City, Mo. Fruit pectin product in making jellies and jams. 210,171; May 5.
Keays, Perceval H., Preston, Ontario, Canada. Business forms. 174,964; May 5.
Keystone Publishing Company, The, Philadelphia, Pa. Monthly publication. 208,660; May 5.
Kiefer, Fred W., Co., Kirkwood, Mo. Razors and shears. 208,151; May 5.
Kreisz, Albert, Gesellschaft m. b. H., Vienna, Austria. Gas generators and parts thereof. 198,073-5; May 5.
La Barre, Eugene G., doing business as Sailzaid Company, Detroit, Mich. Display racks. 207,889; May 5.

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La Sierra Heights Canning Company, Arlington, Calif. Canned foods. 183,305; May 5.
La Societe A. Bloch and A. Kahn, Marseille, France. Dried fruits and vegetables. 185,469; May 5.
Lees, James, and Sons Company, Bridgeport, Pa. Worsted, woolen, silk, and silk and wool mixed yarns. 211,041; May 5.
Lehigh Silk Hosiery Mills, Inc., New York, N. Y. Hosiery. 210,900; May 5.
Lever Brothers Company, Cambridge, Mass. Soap. 210,673; May 5.
Lewis, Florence N., doing business as Elizabeth Arden, New York, N. Y. Eyelash lotion. 208,471; May 5.
Lightfoot Schultz Company, Hoboken, N. J. Laundry and toilet soaps, and shaving sticks, powders, creams, and cakes. 208,857; May 5.
Lincoln Fruit Growers Association, Lincoln, Calif. Fresh deciduous fruits. 211,444; May 5.
Lionel Trading Co., Inc., New York, N. Y. Perfumes. 193,183; May 5.
Louis, Otto F., Bay City, Mich. Medical tablets. 209,580; May 5.
Lucky Tiger Remedy Co., The, Kansas City, Mo. Face lotion or remedy. 210,242; May 5.
Macy, R. H., & Co., Inc., New York, N. Y. Ladies' corsets. 210,914; May 5.
Madelon Modes, Inc., New York, N. Y. Hosiery, leather shoes, and suits. 201,967; May 5.
Maier Brewing Company, Inc., Los Angeles, Calif. Beverages. 209,535–6; May 5.
Malaga Packing Company, Fresno, Calif. Dried fruits—viz, raisins. 208,205; May 5.
Manufacturing Improvement Corporation, Boston, Mass. Emulsion of a solvent employed in tanning. 211,174; May 5.
Massillon-Cleveland-Akron Sign Co., The, Massillon, Ohio. Advertising signs. 269,537; May 5.
Matzger Chocolate Company, San Francisco, Calif. Candy bars. 209,582; May 5.
McInnes Bros. Inc., Milwaukee, Wis. Coffee. 211,044; May 5.
McNickle, John B., doing business as McNickle & Company, Spring Hill, W. Va. Medicinal preparation for the blood and nerves. 193,488; May 5.
Merrell-Soule Company, Syracuse, N. Y. Mincemeat. 204,179; May 5.
Middishade Company, Philadelphia, Pa. Men's coats, vests, trousers, and suits. 210,741; May 5.
Miller & Houghton, Inc., New York, N. Y. Dentifrices. 209,673; May 5.
Mock, Joseph B., Long Beach, Calif. Preparation for stomach troubles. 206,912; May 5.
Monroe Hat Company. (See Wagner, Orville.)
Mullen, W. T., French Camp, Stockton, Calif. Preparation for application to windshields of motor vehicles. 209,098; May 5.
Musher, Albert, doing business as Musher and Company, Washington, D. C. Canned tomatoes. 205,288; May 5.
Muskegon Machine Co., Muskegon, Mich. Woodworking machines. 209,678; May 5.
Nassar, Mansur M., Cincinnati, Ohio. Laxative capsules for constipation and for stomach and bowel disorders. 211,604; May 5.
National Automobile Club, San Francisco, Calif. Weekly publication. 207,251; May 5.
National Hosiery Stores Company. (See Josephson, Max.)
National Oil Company, Inc., Richmond, Va. Petroleum products. 208,251; May 5.
National Pecan Groves Company, Washington, D. C. Pecan nuts. 208,771; May 5.
National Roofing Company, Boston, Mass. Plastic and semiplastic roofing materials. 207,200; May 5.
National Shirt Shops, Inc., New York, N. Y. Cotton shirtings. 210,682; May 5.
Neuhoff, Fred B., Company, Los Angeles, Calif. Canned tunny fish. 207,754; May 5.
Neumeyer, Horace E., Macungie, Pa. Ventilator. 209,680; May 5.
New Britain Machine Co., The, New Britain, Conn. Automatic and semiautomatic screw and chucking machines. 205,433; May 5.
Newell & Co., Geo. R., Minneapolis, Minn. Roasted coffee. 205,218; May 5.
New York Merchandise Company, New York, N. Y. Hand sewing and darning needles. 210,497; May 5.
Nickson Sales Company, Dallas, Tex. Powder for dissolving grease. 209,492; May 5.
Northern Engraving Company, La Crosse, Wis. Ammeters for automobiles. 211,221; May 5.
Nucoa Butter Company, The, New York, N. Y. Vegetable shortening. 142,939; May 5.
Oil Trade Journal, Inc., New York, N. Y. Monthly magazine. 209,425; May 5.
Omaha Cold Storage Co., Omaha, Nebr. Fresh dressed poultry, butter, and eggs. 209,684; May 5.
Osborn, D. H., Courtland, Calif. Fresh pears. 201,573; May 5.
Package Confectionery Company, Boston, Mass. Candy. 211,287; May 5.
Parfumerie Lubin. (See Paul Prot & Cie.)
Paris Publishing Co. (See Fawcett Publications Inc.)
Parker Pen Co., The, Janesville, Wis. Fountain pens. 206,432; May 5.
Parker Pen Co., The, Janesville, Wis. Fountain pens. 207,255; May 5.
Parks Bros. & Rogers Inc., Providence, R. I. Lingerie clasps. 206,589; May 5.
Paul Prot & Cie., doing business as Parfumerie Lubin, Paris, France. Perfume, face powder, bath salts, etc. 209,691–2; May 5.
Paul Prot & Cie., doing business as Parfumerie Lubin, Paris, France. Perfume, face powder, bath salts, etc. 209,697; May 5.
Peabody Leather Company, Inc., Quakertown, Pa. Leathers. 210,748; May 5.
Pedox Produx Company. (See Schwarzschild, Harry.)
Peoples Finance & Thrift Co. of America, Los Angeles, Calif. Monthly publication. 208,926; May 5.
Pet Milk Company, St. Louis, Mo. Evaporated milk. 211,121; May 5.
Petersburg Canning Works. (See Brass, Edgar E.)
Petersen, Keller and Shumway, Inc., Omak, Wash. Fruit. 209,867; May 5.
Pharis Tire and Rubber Company, The, Newark, Ohio. Tires and inner tubes. 210,575; May 5.
Philadelphia Tapestry Mills, Philadelphia, Pa. Cotton plushes in the piece for drapery purposes. 204,931; May 5.
Piccadilly Ink Company, Baltimore, Md. Cleaning compound for cleaning spots out of silk, satin, velvet, etc. 198,584; May 5.
Pierce Petroleum Corporation, Wilmington, Del., and St. Louis, Mo. Lubricating oils, particularly petroleum-product oils. 205,777; May 5.
Placentia Orange Growers Association, Fullerton, Calif. Fresh citrous fruits. 211,425; May 5.
Pond Creek Pocahontas Company, Portland, Me., and Huntington, W. Va. Coal. 210,751; May 5.
Precision Castings Company, Inc., Syracuse and Fayetteville, N. Y. Metal alloy in bars, ingots, or castings. 209,811; May 5.
Prestidge Fruit Co., Cutler, Calif. Fresh grapes. 201,308; May 5.
Progressive Table Co. Inc., New York and Brooklyn, N. Y. Household tables. 209,748; May 5.
Pruitt, Arthur H., Wichita, Kans. Medicine for white diarrhea, cholera, roup, etc., and as a preventive veterinary medicine. 211,428; May 5.
Pyo-Rem Chemical Company, Los Angeles, Calif. Preparation for the treatment of pyorrhea. 209,363; May 5.
Pyramid Oil Company, Minneapolis, Minn. Washing powder. 210,008; May 5.
Pyrate Corporation, The, Portland, Oreg. Cleaner for dishwashing, woodwork, toilets, etc. 209,496; May 5.
Raquel, Incorporated, New York, N. Y. Perfumes, toilet water, toilet powders, etc. 210,752; May 5.
Raquel, Incorporated, New York, N. Y. Perfumes, toilet water, bath salts, rouge, etc. 210,806; May 5.
Ras-Mussen Co. (See Rasmussen, Emilius F.)
Rasmussen, Emilius F., doing business as Ras-Mussen Co., Jamestown, N. Y. Dressing and sandwich filler. 209,816; May 5.
Reed, P. M., Chicago, Ill. Magazine published monthly. 210,406; May 5.
Reiter Co., Elgin, Ill. Feed water treatment for conditioning boiler water, etc. 211,125; May 5.
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 209,321; May 5.
Richard & Price, San Francisco, Calif. Vessel containing a charge of chlorine gas for medical treatments. 207,829; May 5.
Riverbank Cannery, Inc., Riverbank, Calif. Tomato paste. 206,636; May 5.
Robinson, Reginald H., Buffalo, N. Y. Disinfectant and cleanser for catarrh and nasal infection. 160,831; May 5.
Robinson, Will L. and Leo T., Union City, Mich. Monthly magazine. 208,611; May 5.
Rockcoat Paint Corporation, Toledo, Ohio. Paints, varnishes, stains, etc. 209,548; May 5.
Ropa Research Laboratory, Cincinnati, Ohio. Preparation used as a mouth wash. 211,545; May 5.
Rope Paper Sack Mfgrs. Assn., Providence, R. I. Merchandise wrappers. 198,031–2; May 5.
Rosebud Art Co. (See Rosen, Isidor.)
Rosefield, J. B., doing business as An-Fo Manufacturing Co., Oakland, Calif. Fly spray and insecticide. 211,626; May 5.
Rosen, Isidor, doing business as Rosebud Art Co., New York, N. Y. Series of drawing-lesson books. 209,178; May 5.
Rosner Manufacturing Company, New York, N. Y. Brassières and bandeaux. 210,757; May 5.
Safeway Stores, Incorporated, Los Angeles, Calif. Matches. 211,546; May 5.
Sailsaid Company. (See La Barre, Eugene G.)
Salina Poultry Company, The, Salina, Kans. Dressed poultry. 209,943; May 5.

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Scalsi, Joseph, Pittsfield, Mass. Canned olive oil. 200,225; May 5.
Schaffer Bros. & Samuels, New York, N. Y. Fur garments. 209,700; May 5.
Schaldach, H. F., San Francisco, Calif. Newspaper section. 208,423; May 5.
Schaumburg Trading Co., Inc., New York, N. Y. Gun oil. 209,874; May 5.
Schloss, Adolphe, Fils & Cie., Paris, France. Tooth and hair brushes, and powder puffs. 208,433; May 5.
Schutter-Johnson Candy Co., Chicago, Ill. Candy. 210,504; May 5.
Schwartz Enterprises, Inc., New York, N. Y. Moving pictures. 208,828; May 5.
Schwarzschild, Harry, doing business as Pedox Produx Company, New York, N. Y. Arch and ankle supports. 203,755; May 5.
Selden, James M., doing business as So No Mor Manufacturing Company, Pittsburgh, Pa. Implements for trussing or securing the parts of poultry during cooking. 210,086; May 5.
Sharp & Dohme, Baltimore, Md.; Chicago, Ill.; New Orleans, La.; St. Louis, Mo.; Atlanta, Ga.; Kansas City, Mo.; and Philadelphia, Pa. General tonic. 209,817; May 5.
Sherriff-Goulin Co., Battle Creek, Mich. Paint cleaner. 208,681; May 5.
Shillington Hosiery Mills. (See Fritz, Ada G.)
Shores-Mueller Co., Cedar Rapids, Iowa. Compositions for repelling animate attackers of planted seeds, roots, and plants. 210,255; May 5.
Siebel, Emil, doing business as Emil Siebel Company, St. Louis, Mo. Medicinal preparation for the treatment of constipation and general intestinal troubles. 210,761; May 5.
Silverman, Sime, New York, N. Y. Daily newspaper. 210,506; May 5.
Sing Wo Kee Co., San Francisco, Calif. Fresh vegetables. 211,059; May 5.
Sisk, Albert W., & Son, Preston, Md. Canned fruits and vegetables. 208,726; May 5.
Smooth-On Manufacturing Company, Jersey City, N. J. Pipe clamps. 209,876; May 5.
Soap Distributors, Inc., Brooklyn, N. Y. Liquid shampoo. 211,188; May 5.
So No Mor Manufacturing Company. (See Selden, James M.)
Southwestern Broom Mfg. Co., Evansville, Ind. Paper food trays. 211,631; May 5.
Standard Forms Bureau, San Francisco, Calif. Insurance forms. 198,035–6; May 5.
Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides, deodorants, and disinfectants. 211,502; May 5.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Metal angles, stamped metal arrows, metal beckets, etc. 148,559; May 5.
Stone, Walter J., doing business as Stone Bros., El Dorado, Calif. Fresh pears. 211,237; May 5.
Strong, Jos., & Co., Terre Haute, Ind. Baking powder. 210,864; May 5.
Sumner's Ty-phoo Tea, Ltd., Birmingham, England. Tea. 208,727–8; May 5.
Sun Discount Stamp Company. (See Young Dry Goods Company, The.)
Superior Sheet Steel Company, The, Canton, Ohio. Galvanized sheets. 204,377–8; May 5.
Swan-Myers Company, Indianapolis, Ind. Capsules and tablets. 209,371; May 5.
Sykes, Gorham & Hill, Winnemucca, Nev. Radiator compound adapted to stop leaks in automobile radiators. 211,305; May 5.
Talbot Manufacturing Co., Los Angeles, Calif. Insecticides. 211,432; May 5.
Tiffany Manufacturing Company, Newark, N. J. Ammeters and voltmeters. 211,139; May 5.
Tucker & Goodwin, Inc., Hartford, Conn. Canned fruits and vegetables. 210,514; May 5.
Tyson, James A., doing business as Indiana Manufacturing Co., Evansville, Ind. Perfumes, toilet waters, and face powders. 211,504; May 5.
Tyson, James A., doing business as Indiana Manufacturing Co., Evansville, Ind. Hair grower, pressing compound, and quinine pomade. 211,505; May 5.
Tyson, James A., doing business as Indiana Manufacturing Co., Evansville, Ind. Bleach cream, vanishing creams, hair tonic, shampoo, face powder, rouge, perfume, and toilet water. 211,506; May 5.
Universal Pictures Corporation, New York, N. Y. Moving pictures. 210,201; May 5.
Varn Buhler, John J., Detroit, Mich. Rust removing and preventing compound. 209,257; May 5.
Viquesney, Ernest M., doing business as Imp-O-Luck Company, Spencer, Ind. Fire-extinguishing compound. 211,240; May 5.
Wagner, Orville, doing business as Monroe Hat Company, Chicago, Ill. Hats and caps. 192,944; May 5.
Wagner, Theodore B., New York, N. Y. Preparation used as an ingredient in bread and other dough products. 210,635; May 5.
Wagner, Theodore B., New York, N. Y. Nutritive salt derived from grains. 210,636; May 5.
Warner Brothers Pictures, Inc., New York, N. Y. Motion-picture films. 210,766; May 5.
Watson, Angus, & Company Limited, Newcastle-on-Tyne, England. Canned or preserved foods prepared from meats and vegetables, etc. 202,650; May 5.
Watters Company, K. W., Buffalo, N. Y. Hosiery. 210,516; May 5.
Webb, Thomas J., Company, Chicago, Ill. Food-flavoring extracts. 210,518; May 5.
Wedekind, H., & Co., Inc., Louisville, Ky. Corn sirup, canned fruits, vegetables, fish, meats, and cereals. 208,626; May 5.
Welsh Manufacturing Co., Inc., Camden, N. J. Loom sundries—namely, lug straps and lug-strap supports. 211,558; May 5.
Western Blind & Screen Co., Pasadena and Los Angeles, Calif. Window blinds. 208,868; May 5.
Western Instrument & Manufacturing Co., Chicago, Ill. Surgical, dental, veterinary, and embalming instruments. 210,768; May 5.
White Castle System of Eating Houses Corporation, Eldorado and Wichita, Kans., and Omaha, Nebr. Cooked sausage. 205,308; May 5.
White Drug Company, Chicago, Ill. Headache tablets. 205,380; May 5.
Winks, John O., doing business as Ace Clip Company, San Francisco, Calif. Paper clips. 176,308; May 5.
Wonder Manufacturing Co., doing business as Burney & Good Manufacturing Co., Long Beach, Calif. Household, hand, and metal cleaners. 209,519; May 5.
Wood's, F. B., Sons Company, Chambersburg, Pa. Power-transmission appliances. 210,208; May 5.
Wyman, Maurice, Baltimore, Md. Shoes and hosiery. 210,991; May 5.
X-Cel-All Co. Ltd., The, Monaca, Pa. Electric-light globes made of glass. 209,956; May 5.
Young Dry Goods Company, The, also doing business as Sun Discount Stamp Company, Alton, Ill. Discount stamps. 210,771; May 5.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. Glen Alum Coal Co. 45,801; renewed Aug. 29, 1925.

CLASS 2.

Boxes, cash drawers, and wastebaskets. General Fireproofing Company. 198,223; May 5.
Boxes, Ornamental. Grandette Manufacturing Company. 198,190; May 5; Serial No. 205,526; published Feb. 24, 1925.
Containers and carriers for fresh water. Colorado Tent & Awning Company, The. 198,191; May 5; Serial No. 199,417; published Feb. 24, 1925.

CLASS 3.

Blankets, Horse. Newichawanick Company. 46,712; renewed Oct. 3, 1925.

CLASS 4.

Soap. Remmers Soap Company. 198,215; May 5.
Soap. William Waltke & Co. 44,500; renewed July 11, 1925.
Soap, Toilet. Mülhens & Kropff. 44,794; renewed July 25, 1925.
Soap, Toilet. Mülhens & Kropff. 44,821–2; renewed July 25, 1925.
Soap, Toilet. Mülhens & Kropff. 45,709; renewed Aug. 29, 1925.
Soap, Toilet. Mülhens & Kropff. 46,465; renewed Sept. 19, 1925.
Soaps, Shampoo. Cincinnati Soap Company. 198,211; May 5.

CLASS 6.

Antiseptic and germicide. American Beslin Corporation. 198,161; May 5; Serial No. 207,436; published Feb. 10, 1925.
Antiseptic fluid. Mülhens & Kropff. 44,947; renewed Aug. 1, 1925.
Chemical composition for increasing the heating value of coal. W. H. Stiefel. 198,158; May 5; Serial No. 207,478; published Feb. 10, 1925.
Chemical, Liquid. W. H. Liebman. 198,097; May 5; Serial No. 205,214; published Feb. 17, 1925.

Cleansing and bleaching solution. California Rex Spray Co. 198,088; May 5; Serial No. 206,940; published Feb. 10, 1925.
Cologne and Florida water and perfumery. Mülhens & Kropff. 45,617; renewed Aug. 22, 1925.
Cream, Face. Thompson-Barlow Company. 198,085; May 5; Serial No. 207,315; published February 10, 1925.
Cream or lotion for the skin, toilet. Davies, Rose & Co. 198,185; May 5; Serial No. 201,286; published Feb. 17, 1925.
Croup specific. W. W. Lee. 45,786; renewed Aug. 29, 1925.
Dentifrices. Lufrie Company. 198,119; May 5; Serial No. 207,194; published Feb. 17, 1925.
Emollient dressings, Flint, Eaton & Company. 198,111; May 5; Serial No. 204,446; Feb. 17, 1925.
Emulsion for use as a tonic, Chocolate. Scientific Products, Inc. 198,139; May 5; Serial No. 206,509; Feb. 17, 1925.
Emulsion of oil of eucalyptus, glycerin, etc. Edward G. Bins Company. 198,121–2; May 5; Serial Nos. 207,173–4; published Feb. 10, 1925.
Flux. R. C. Hopkins. 198,105–6; May 5; Serial Nos. 204,911–12; published Feb. 17, 1925.
Hair growers. R. J. Garrett, jr. 198,102; May 5; Serial No. 204,960; published Feb. 17, 1925.
Hair restorer and dandruff cure. J. L. Bradley. 46,215; renewed Sept. 12, 1925.
Hair tonic. M. Mano. 198,116; May 5; Serial No. 207,249; published Feb. 10, 1925.
Hair tonic. Mülhens & Kropff. 45,775; renewed Aug. 29, 1925.
Hair tonic, hair-color restorer, and dandruff remover. Lyons Medicine Company. 198,160; May 5; Serial No. 207,466; published Feb. 10, 1925.
Insect exterminator. East Indian Chemical Co. 198,186; May 5; Serial No. 201,128; published Feb. 17, 1925.
Insecticides, deodorants, and disinfectants. American Laboratories Incorporated. 198,093; May 5; Serial No. 198,695; published Aug. 28, 1924.
Lozenges, Carbon. F. Trenka. 198,187; May 5; Serial No. 200,534; published Feb. 17, 1925.
Lye. West Side Wholesale Grocery Co. 198,162; May 5; Serial No. 207,425; published Feb. 10, 1925.
Medicinal preparation, Liquid. W. F. Darling. 46,449; renewed Sept. 19, 1925.
Medicinal preparation to be used as a laxative and cathartic. Eli Lilly & Company. 198,064; May 5; Serial No. 161,366; published July 3, 1923.
Medicine. P. Havay. 198,138; May 5; Serial No. 206,619; published Feb. 17, 1925.
Medicine, Proprietary. Anglo American Drug Co. 46,214; renewed Sept. 12, 1925.
Mouth wash. Rush-Eckardt Laboratories. 198,115; May 5; Serial No. 207,263; published Feb. 10, 1925.
Oil of ylang-ylang. Fritzsche Brothers, Inc. 198,126; May 5; Serial No. 207,129; published Feb. 10, 1925.
Ointment, Cream. National Toilet Company. 46,466; renewed Sept. 19, 1925.
Ointment for treatment of cow's bags, sore teats, etc. Osmond & Son, Limited. 198,095; May 5; Serial No. 205,292; published Feb. 17, 1925.
Perfume and toilet water. Mülhens & Kropff. 45,479; renewed Aug. 22, 1925.
Perfumery. Mülhens & Kropff. 45,743; renewed Aug. 29, 1925.
Peroxide of hydrogen. Drevet Manufacturing Company. 45,205; renewed Aug. 8, 1925.
Powders, creams, and packs, toilet waters, etc., Face. J. Donnelly. 198,087; May 5; Serial No. 206,947; published Feb. 10, 1925.
Powders for exterminating leaf-eating insects and worms. W. W. Klein. 198,225; May 5.
Preparation for treatment of impotency. Montauk Distributing Co. 198,175; May 5; Serial No. 196,539; published Feb. 17, 1925.
Preparation for use as a mother's milk producing and reconstructing remedy. C. M. Wark. 198,184; May 5; Serial No. 201,786; published Feb. 17, 1925.
Preparation to be used as an analeptic agent. Society of Chemical Industry in Basle. 198,167; May 5; Serial No. 207,314; published Feb. 10, 1925.
Preparation used as a food and tonic. G. B. Perziol. 198,170; May 5; Serial No. 199,090; published Feb. 10, 1925.
Preparations for removing stains, tartar, film, etc., from the teeth. W. H. Waddell. 198,118; May 5; Serial No. 207,214; published Feb. 10, 1925.
Preparations for treating the scalp. H. Clay Glover Co. 198,128; May 5; Serial No. 207,075; published Feb. 10, 1925.
Remedies for dysentery. D. Theodoru. 198,214; May 5.
Remedies for gallstones. D. Theodoru. 198,213; May 5.
Remedies for malnutrition. Carnrick Pharmacal Co. 45,817; renewed Aug. 29, 1925.
Remedy for children's diseases. Anglo American Drug Co. 46,646; renewed Sept. 29, 1925.
Remedy for dyspepsia, catarrh of the stomach, ulcers, etc. Drevet Manufacturing Company. 44,707; renewed July 18, 1925.
Remedy for purifying the blood. Weber Medical Tea Co. 46,164; renewed Sept. 5, 1925.
Remedy for the destruction of bacteria, microbes, etc. Drevet Manufacturing Company. 44,881; renewed July 25, 1925.
Rouge. D. Nell. 198,125; May 5; Serial No. 207,139; published Feb. 10, 1925.
Rouge, face lotions, and face bleaches. D. Nell. 198,124; May 5; Serial No. 207,140; published Feb. 10, 1925.
Salt. West Side Wholesale Grocery Co. 198,163; May 5; Serial No. 207,424; published Feb. 10, 1925.
Spray material for spraying tomato plants, Chemical. Kill-Rust Corp. 198,165; May 5; Serial No. 207,388; published Feb. 10, 1925.
Tonic compound. Purdue Frederick Co. 46,229; renewed Sept. 12, 1925.
Tonic medicine. Florida Products Association. 198,181; May 5; Serial No. 202,444; published Jan. 27, 1925.
Waterproofing compound or composition. G. W. Gibbs. 198,129; May 5; Serial No. 207,070; published Feb. 10, 1925.

CLASS 7.

Cords, Braided. Silver Lake Company. 46,526; renewed Sept. 26, 1925.
Cords, lines, twines, and ropes. Silver Lake Company. 46,431; renewed Sept. 19, 1925.

CLASS 11.

Papers inked with carbon or aniline dyes, Transfer or manifold and hectograph. H. R. Shannon. 198,070; May 5; Serial No. 187,353; published Feb. 10, 1925.

CLASS 12.

Asbestos sheeting, Compressed. J. Krammer. 198,076; May 5; Serial No. 191,025; published Feb. 3, 1925.
Bricks, Clay fire. McHead & Henry Co. 45,649; renewed Aug. 22, 1925.
Shingles. Pyramid Twin Shingle Company. 198,197; May 5; Serial No. 190,207; published Jan. 13, 1925.

CLASS 13.

Valves and parts of valves. A. B. Jenkins. 46,196; renewed Sept. 12, 1925.

CLASS 14.

Die forgings. Billings & Spencer Company. 45,068; renewed Aug. 8, 1925.
Iron, Pig. Clinton Iron and Steel Company. 46,017; renewed Sept. 5, 1925.

CLASS 15.

Oils, Lubricating. Vacuum Oil Company. 198,216; May 5.

CLASS 16.

Colors dry, or mixed with oil. Wadsworth, Howland & Co. 45,727; renewed Aug. 29, 1925.
Lacquers and varnishes. Zoellner-Werke Aktiengesellschaft für Farben- und Lackfabrikation vormals S. H. Cohn. 198,193–4; May 5; Serial Nos. 202,843–4; published Feb. 24, 1925.
Luster or varnish. Wadsworth, Howland & Co. 46,166; renewed Sept 5, 1925.
Paints. Smith-Alsop Paint and Varnish Company. 198,220; May 5.
Pigments. Semet-Solvay Company. 45,615; renewed Aug. 22, 1925.
Varnishes. Wadsworth, Howland & Co. 45,753; renewed Aug. 29, 1925.
Varnishes, japans, oil finish and bronzing liquid. Mayer & Loewenstein. 46,556; renewed Sept. 26, 1925.

CLASS 17.

Cigars. Jose Escalante & Co. 198,179; May 5; Serial No. 207,557; published Feb. 24, 1925.
Cigars. F. R. Rice Mercantile Cigar Co. 45,559; renewed Aug. 22, 1925.
Tobacco. Zorro Tobacco Co. 198,207; May 5; Serial No. 207,484; published Feb. 24, 1925.

CLASS 21.

Automobile signals. Kay Bee Manufacturing Company. 198,222; May 5.
Batteries, Electric. National Carbon Company. 198,131; May 5; Serial No. 207,027; published Feb. 17, 1925.
Condensers, Electrical. Premier Electric Company. 198,127; May 5; Serial No. 207,097; published Feb. 17, 1925.
Condensers, radiotransformers, crystal radiodetectors, and tube rectifiers, Fixed and variable. Dubilier Condenser & Radio Corporation. 198,171; May 5; Serial No. 198,794; published Feb. 10, 1925.
Cutting implements, Electric-power-driven rotary. Michel Electric Hand Saw Company. 198,104; May 5; Serial No. 204,923; published Feb. 10, 1925.
Electric-lighting fixtures. Glasco Electric Co. 198,107–9; May 5; Serial Nos. 204,855–7; published Feb. 10, 1925.
Electric sadirons, air or space heaters and cookers, Combined. Lavoy Manufacturing Company. 198,112; May 5; Serial No. 204,319; published Feb. 10, 1925.
Electrical appliances. Manning, Bowman & Co. 198,145; May 5; Serial No. 206,178; published Feb. 10, 1925.

Engines, Ignition timers for internal-combustion. Blublaze Motor Specialties Corp. 198,177; May 5; Serial No. 195,630; published July 22, 1924.
Furnaces and ovens, Electric. R. H. Cunningham and Company. 198,183; May 5; Serial No. 201,837; published Feb. 10, 1925.
Insulated wire and insulating compound, Electrical. Bassett Metal Goods Company. 198,169; May 5; Serial No. 199,105; published Feb. 10, 1925.
Insulators and insulating compound, Electrical. Corning Glass Works. 198,173; May 5; Serial No. 197,868; published Feb. 10, 1925.
Insulators, Electrical. R. Thomas & Sons Co. 198,103; May 5; Serial No. 204,939; published Feb. 10, 1925.
Lamp bulbs, or miniature lamps, Electric. American International Trading Co. 198,078; May 5; Serial No. 193,981; published Nov. 18, 1924.
Lamp sockets, Electric. Buschman Weissberg & Co. 198,147; May 5; Serial No. 206,104; published Feb. 10, 1925.
Lights, dash and stop light switches, etc., Stop, parking, and combination stop and parking. Rae-Lite Manufacturing Co. 198,114; May 5; Serial No. 203,535; published Feb. 10, 1925.
Loud speakers. Q R S Music Company. 198,113; May 5; Serial No. 203,747; published Feb. 10, 1925.
Loud speakers. Pirexloid Products Corporation. 198,136; May 5; Serial No. 206,800; published Feb. 17, 1925.
Loud speakers. Radio Corporation of America. 198,098–9; May 5; Serial Nos. 205,171–2; published Feb. 10, 1925.
Motors and parts thereof, lamp sockets, extensions, cables, etc., Electric. Dictaphone Corporation. 198,072; May 5; Serial No. 188,952; published Feb. 17, 1925.
Radio apparatus, Tubes for use in. J. J. Steinharter. 198,168; May 5; Serial No. 207,268; published Feb. 17, 1925.
Radio dials and knobs. Kurz-Kasch Company. 198,140; May 5; Serial No. 206,581; published Feb. 17, 1925.
Radio receiving sets. Joy-Kelsey Corporation. 198,117; May 5; Serial No. 207,246; published Feb. 17, 1925.
Radio receiving sets. Triangle Electric Co. 198,086; May 5; Serial No. 207,157; published Feb. 17, 1925.
Radio receiving sets, vacuum tubes, etc. Music Master Corporation. 198,182; May 5; Serial No. 201,970; published Feb. 10, 1925.
Radiosignals, Attachments to telephone transmitter instruments used as antennæ for reception of. T. Jacobs. 198,134; May 5; Serial No. 206,903; published Feb. 17, 1925.
Radio transmitting and receiving sets, coils and repair parts therefor. Ware Radio Corporation. 198,083; May 5; Serial No. 195,605; published Feb. 10, 1925.
Radiotubes, Three-element vacuum. M. S. Haynes. 198,141; May 5; Serial No. 206,574; published Feb. 17, 1925.
Signs, Electric. F. E. Plowman. 198,226; May 5.
Spark plugs. Carbo-Gas Co. 198,135; May 5; Serial No. 206,824; published Feb. 17, 1925.
Switches, current taps, etc., Electric. Harvey Hubbell, Incorporated. 198,066; May 5; Serial No. 179,041; published Feb. 10, 1925.
Switches with live plug receptacles, Pendant. Quadrangle Mfg. Co. 198,212; May 5.
Telephone head sets, loud speakers, and loud-speaker units. Electrical Industries Manufacturing Co. 198,149; May 5; Serial No. 205,999; published Feb. 10, 1925.

CLASS 22.

Fish hooks, baits, spoons, etc., Wire leaders for. Enterprise Manufacturing Company. 198,203; May 5; Serial No. 207,724; published Feb. 24, 1925.
Fishing-reel brakes. Enterprise Manufacturing Company. 198,206; May 5; Serial No. 207,717; published Feb. 24, 1925.
Fishing reels. Enterprise Manufacturing Company. 198,199; May 5; Serial No. 207,732; published Feb. 24, 1925.
Fishing reels. Enterprise Manufacturing Company. 198,200–1; May 5; Serial No. 207,729; published Feb. 24, 1925.
Fishing reels. Enterprise Manufacturing Company. 198,204; May 5; Serial No. 207,723; published Feb. 24, 1925.
Game, Puzzle. G. S. Seesholtz. 198,192; May 5; Serial No. 189,868; published Feb. 24, 1925.
Minnows, Artificial. Enterprise Manufacturing Company. 198,202; May 5; Serial No. 198,202; published Feb. 24, 1925.
Minnows, Artificial. Enterprise Manufacturing Company. 198,205; May 5; Serial No. 207,720; published Feb. 24, 1925.
Vehicles. Hunt, Helm, Ferris & Co. 198,208; May 5; Serial No. 205,602; published Feb. 24, 1925.

CLASS 23.

Chutes, Coal. Cleveland Wheelbarrow & Manufacturing Company. 198,142; May 5; Serial No. 206,397; published Feb. 17, 1925.
Hair clippers. Adolph Kastor & Bros. 198,132; May 5; Serial No. 207,021; published Feb. 17, 1925.
Kitchen utensil. Ace Hardware Mfg. Corp'n. 198,148; May 5; Serial No. 206,048; published Feb. 17, 1925.

Lathes, Rockford Tool Company. 198,065; May 5; Serial No. 167,326; published Feb. 17, 1925.
Milling machines and parts thereof. Hall Planetary Thread Milling Machine Company. 198,074; May 5; Serial No. 189,157; published Feb. 17, 1925.
Mills, Reduction. Anglo American Mill Company. 198,153; May 5; Serial No. 205,848; published Feb. 17, 1925.
Motors, pumps, and internal-combustion engines, Oil. American Crude Oil Motors Corp. 198,071; May 5; Serial No. 188,653; published Feb. 17, 1925.
Mowers, Lawn. Worcester Lawn Mower Company 198,130; May 5; Serial No. 207,050; published Feb. 17, 1925.
Shovels and spades. Skelton Shovel Co. 198,123; May 5; Serial No. 207,152; published Feb. 17, 1925.
Slicers, vegetable forks, and combination egg and cake turners, Fruit and vegetable. Handy Things Manufacturing Company. 198,075; May 5; Serial No. 189,457; published Feb. 17, 1925.
Sprayers and parts thereof. Hudson Manufacturing Company. 198,069; May 5; Serial No. 186,996; published Feb. 17, 1925.

CLASS 24.

Drying tumblers, Laundry and dry-cleaning. Vorclone Company. 198,224; May 5.

CLASS 26.

Calculating machines, Key-operated. Felt & Tarrant Mfg. Co. 45,076; renewed Aug. 8, 1925.

CLASS 27.

Clocks. Waterbury Clock Co. 46,208; renewed Sept. 12, 1925.
Watchcases. Fahys Watch Case Co. 45,692; renewed Aug. 29, 1925.
Watches, watchcases, and watch movements. Philadelphia Watch Case Co. 46,564; renewed Sept. 26, 1925.

CLASS 28.

Pearls, Artificial. Comstock Wood Co. 198,152; May 5; Serial No. 205,862; published Feb. 17, 1925.
Pearls, Artificial. E. M. Rosenthal Jewelry Company. 198,133; May 5; Serial No. 206,921; published Feb. 17, 125.
Rings. Allsopp Brothers. 198,100–1; May 5; Serial Nos. 205,104–5; published Feb. 10, 1925.

CLASS 32.

Beds, chairs, stools, and tables, Folding camp. McGrew Machine Company. 198,219; May 5.
Mattresses. H. M. Herbener. 198,196; May 5; Serial No. 198,184; published Jan. 20, 1925.

CLASS 34.

Boilers. Richardson & Boynton Co. 46,403; renewed Sept. 19, 1925.
Stoves, furnaces, and parts of stoves and furnaces. Charter Oak Stove and Range Company. 46,506–9; renewed Sept. 26, 1925.

CLASS 36.

Drumheads. Eugen Geisler Co. 198,217; May 5.
Phonograph apparatus for recording and reproducing sounds; parts and accessories therefor. Columbia Phonograph Company. 198,096; May 5; Serial No. 206,265; published Feb. 17, 1925.
Phonograph records and music rolls. Iama Novelty & Music Shop. 198,068; May 5; Serial No. 186,595; published Feb. 10, 1925.
Phonographs and phonograph records and needles. Sunset Record Co. 198,155; May 5; Serial No. 207,694; published Feb. 17, 1925.
Ukuleles, banjo ukuleles, and strings therefor. Progressive Musical Instrument Corporation. 198,157; May 5; Serial No. 207,516; published Feb. 17, 1925.

CLASS 37.

Easels and supports for display cards, pictures, etc. Stand Pat Easel Co. 198,195; May 5; Serial No. 202,082; published Feb. 3, 1925.
Paper and envelopes, Writing. Marcus Ward Company. 44,749; renewed July 25, 1925.
Paper, cards, and mailing envelopes, Announcement. American Writing Paper Company. 198,210; May 5.
Paper, Coated. McLaurin-Jones Co. 198,209; May 5.
Paper, Writing. Chatfield & Woods Company. 198,178; May 5; Serial No. 203,165; published Dec. 16, 1924.
Pens. Spencerian Pen Co. 46,206; renewed Sept. 12, 1925.
Pin tickets, tags, and labels. A. Kimball Co. 44,667–8; renewed July 18, 1925.
Pin tickets, tags, and labels. A. Kimball Co. 44,816; renewed July 25, 1925.
Pin tickets, tags, and labels. A. Kimball Co. 45,277; renewed Aug. 8, 1925.

CLASS 38.

News bulletins and announcements. Columbia Machine Works and Malleable Iron Company. 198,067; May 5; Serial No. 180,524; published Jan. 20, 1925.

Paper or periodical, Monthly agricultural. Wilmer Atkinson Co. 45,875; renewed Aug. 29, 1925.
Postcards and pictures, mezzo prints, etc. Reinthal & Newman. 198,227; May 5.

CLASS 39.

Boots and shoes, Leather. L. A. Crossett. 45,588; renewed Aug. 22, 1925.
Boots and shoes, Leather. L. A. Crossett. 45,679; renewed Aug. 29, 1925.
Boots and shoes, Leather. E. T. Wright & Co. 45,772; renewed Aug. 29, 1925.
Boots and shoes, Leather. L. A. Crossett. 46,597; renewed Sept. 26, 1925.
Boots or shoes and shoe tips, Leather toe protector for. American Shoe Tip Company. 44,672; renewed July 18, 1925.
Coats, vests, trousers, overcoats, and raincoats. J. L. Hudson Company. 198,156; May 5; Serial No. 207,573; published Feb. 17, 1925.
Dresses. Erd Marshall Co. 198,120; May 5; Serial No. 207,184; published Feb. 17, 1925.
Hosiery. Asheville Knitting Mills, Inc. 198,143; May 5; Serial No. 206,210; published Feb. 17, 1925.
Hosiery. Imperial Underwear Corporation. 198,092; May 5; Serial No. 198,803; published Feb. 17, 1925.
Hosiery. Phoenix Hosiery Company. 198,091; May 5; Serial No. 199,017; published Feb. 17, 1925.
Hosiery. Ragan Knitting Company. 198,144; May 5; Serial No. 206,188; published Feb. 17, 1925.
Hosiery. Shaw Stocking Co. 44,847; renewed July 25, 1925.
Hosiery for children. J. P. Voorhees. 198,159; May 5; Serial No. 207,481; published Feb. 17, 1925.
Hosiery, Ladies'. H. West. 198,084; May 5; Serial No. 207,423; published Feb. 17, 1925.
Hosiery, underwear, sweaters, and bathing suits. Schlesinger Bros. 198,172; May 5; Serial No. 198,197; published Feb. 17, 1925.
Lingerie. C. Zimmerman. 198,110; May 5; Serial No. 204,489; published Feb. 17, 1925.
Overcoats. Hart, Schaffner & Marx. 198,166; May 5; Serial No. 207,351; published Feb. 17, 1925.
Petticoats. Diethem Manufacturing Company. 46,647; renewed Sept. 26, 1925.
Shirt waists and shirts. Franklin Simon & Co. 198,080; May 5; Serial No. 194,674; published June 24, 1924.
Shirts. Woodsome-Macy Co. 198,154; May 5; Serial No. 205,805; published Feb. 17, 1925.
Suits, Children's play. Premier Mfg. Co. 198,164; May 5; Serial No. 207,401; published Feb. 17, 1925.
Suits, knickers, trousers, etc., Children's. Economy Clothing Manufacturing Company. 198,090; May 5; Serial No. 203,458; published Feb. 3, 1925.
Suits, parts thereof, and overcoats. Six Little Tailors. 198,189; May 5; Serial No. 200,015; published Feb. 17, 1925.
Underwear. Betty Products Co. 198,150–1; May 5; Serial Nos. 205,898–9; published Feb. 17, 1925.
Underwear and hosiery, Knitted. Daintywear Company. 198,146; May 5; Serial No. 206,112; published Feb. 17, 1925.

CLASS 40.

Elastic, narrow cotton and silk elastic, and braids. Shirred ribbon. Wolfe & Lang, Inc. 198,094; May 5; Serial No. 193,744; published Jan. 20, 1925.

CLASS 42.

Cotton and silk piece goods. Morrell Mills, Inc. 198,079; May 5; Serial No. 194,203; published Feb. 17, 1925.
Cotton piece goods. Nathan B. Rich & Bro. 198,089; May 5; Serial No. 206,693; published Feb. 17, 1925.
Silk, artificial-silk, wool, cotton, linen piece goods. Haas Brothers Fabrics Corporation. 198,176; May 5; Serial No. 196,017; published June 17, 1924.
Silk in the piece, Artificial. Liberty & Co. Limited. 198,180; May 5; Serial No. 203,132; published Feb. 17, 1925.
Silk piece goods. P. Gallub. 198,081; May 5; Serial No. 195,277; published Aug. 5, 1924.
Umbrella cloth. J. Bister. 198,174; May 5; Serial No. 197,249; published Sept. 9, 1924.
Woolen piece goods. S. Stein & Company. 198,082; May 5; Serial No. 195,313; published July 1, 1924.

CLASS 45.

Ginger ale. Westerholm Company. 44,746; renewed July 25, 1925.
Water and beverages sold as soft drinks, Distilled. Jamestown Brewing Co. 198,198; May 5; Serial No. 180,604; published Aug. 5, 1924.
Waters purified by electrolysis, etc., Drinking. R. R. Jourdan. 198,077; May 5; Serial No. 193,598; published July 29, 1924.

CLASS 46.

Apples, Fresh. D. J. Shrecengost Co. 198,221; May 5.
Chocolates having cream centers, chocolate-covered nuts, caramels, etc. Kibbe Brothers Company. 198,188; May 5; Serial No. 200,322; published Sept. 30, 1924.
Coffee, Roasted and ground. New Orleans Coffee Co. 46,629; renewed Sept. 26, 1925.
Grapes, Fresh. J. Tozzi. 198,218; May 5.
Milk, buttermilk, and cream, Fresh. W. A. Simpson. 198,137; May 5; Serial No. 206,755; published Feb. 3, 1925.
Sauce made from soy beans, wheat, and salt. M. Ohashi. 198,073; May 5; Serial No. 188,967; published Feb. 17, 1925.
Sirup, Table. New York Glucose Co. 46,561–2; renewed Sept. 26, 1925.

CLASS 48.

Malt extract. Malt-Diastase Co. 46,459; renewed Sept. 19, 1925.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Irvin T. Fangboner Co. 210,052; May 5.
Coal. Pond Creek Pocahontas Company. 210,751; May 5.
Fur skins. Harris & Reichard Fur Dyers, Inc. 210,613; May 5.
Leathers. Peabody Leather Company. 210,748; May 5.

CLASS 2.

Paper food trays. Southwestern Broom Mfg. Co. 211,631; May 5.

CLASS 4.

Cleaner. Pyrate Corporation. 209,496; May 5.
Cleaners, Household, hand, and metal. Wonder Manufacturing Co. 209,519; May 5.
Cleaning compound. Piccadilly Ink Company. 198,584; May 5.
Grease-dissolving powder. Nickson Sales Company. 209,492; May 5.
Leather food. R. J. Astleford. 193,649; May 5.
Oil, Pine. Acme Products Company. 207,539; May 5.
Paint cleaner. Sherriff-Goslin Co. 208,681; May 5.
Preparation for application to windshields. W. T. Mullen. 209,098; May 5.
Preparation for cleaning walls, marble, etc. C. B. Dolge Co. 210,646; May 5.
Rust removing and preventing compound. J. J. Varn Buhler. 209,257; May 5.
Soap. Lever Brothers Company. 210,673; May 5.
Soap, Shaving. Florian Inc. 210,786; May 5.
Soaps. Franklin Simon & Co. 208,750; May 5.
Soaps. Franklin Simon & Co. 208,752–3; May 5.
Soaps, shaving sticks, powders, creams, and cakes. Lightfoot Schultz Company. 208,857; May 5.
Soaps, soap chips, etc. Burnham Chemical Company. 207,229; May 5.
Washing or cleansing powder. Globe Soap Company. 202,167; May 5.
Washing powder. Pyramid Oil Company. 210,008; May 5.
Washing powders used for general cleaning purposes. H. F. Coon. 209,977; May 5.

CLASS 6.

Baking powder. Jos. Strong & Co. 210,864; May 5.
Capsules and tablets. Swan-Myers Company. 209,371; May 5.
Capsules, Laxative. M. M. Nassar. 211,604; May 5.
Chlorine gas, Vessel containing a charge of. Richard & Price. 207,829; May 5.
Compounds for textiles, Sizing. E. P. Bosson. 210,266; May 5.
Cream for the face, etc., and face and toilet powders. A. S. Hinds Co. 209,731; May 5.
Cream for the face, hands, skin, and complexion. A. S. Hinds Co. 209,475; May 5.
Creams, hair tonic, rouge, etc., Bleach and vanishing. J. A. Tyson. 211,506; May 5.
Creams, toilet water, perfume, etc. Great American Tea Company. 209,401; May 5.
Dentifrices. Miller & Houghton, Inc. 209,673; May 5.
Disinfectant and cleanser for treatment of catarrh and nasal infection. R. H. Robinson. 160,831; May 5.
Disinfectant, antiseptic, germicide, and bleach. T. Cappell. 210,827; May 5.
Dyes. Wm. Edge & Sons, Limited. 211,022; May 5.
Emulsion of a solvent employed in tanning. Manufacturing Improvement Corporation. 211,174; May 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fire-extinguishing compound. E. M. Viquesney. 211,240; May 5.
Fly spray and insecticide. J. B. Rosefield. 211,626; May 5.
Hair dye. Mrs. C. J. Jones. 210,964; May 5.
Hair grower, pressing compound, and quinine pomade. J. A. Tyson. 211,505; May 5.
Insecticides. Talbot Manufacturing Co. 211,432; May 5.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 211,502; May 5.
Insecticides, fungicides, etc. Bayer Company, Inc. 208,273–4; May 5.
Liniment. J. M. Gavaletz. 210,546; May 5.
Lotion, Eyelash. F. N. Lewis. 208,471; May 5.
Lotion or remedy, Face. Lucky Tiger Remedy Co. 210,242; May 5.
Medicinal preparation for constipation, etc. E. Siebel. 210,761; May 5.
Medicinal preparation for the blood and nerves. J. B. McNickle. 193,488; May 5.
Medicinal preparation or salve. W. Frubleusky. 205,328; May 5.
Medicinal tea. Asociacion Cultivadora del Té Azteca. 208,549; May 5.
Medicine for hay fever. Internationale Laboratorien Arlesheim A. G. 205,882; May 5.
Medicine for poultry, cattle, and other animals and for use as a preventive veterinary medicine. A. H. Pruitt. 211,428; May 5.
Mineral constituents of marine plants, Product of. Fairchild Bros. & Foster. 209,337; May 5.
Mouth wash. Ropa Research Laboratory. 211,545; May 5.
Mouth wash and tooth paste. Herbert Chemical Corp. 210,731; May 5.
Odoriferous, poisonous, germicidal, and plant-nourishing compositions. Shores-Mueller Co. 210,255; May 5.
Oils, Essential. Fritzsche Brothers, Inc. 210,207; May 5.
Perfume, face creams, rouges, etc. Paul Prot & Cie. 209,697; May 5.
Perfume, toilet water, face powder, etc. Paul Prot & Cie. 209,691–2; May 5.
Perfumes. Lionel Trading Co. 193,183; May 5.
Perfumes, toilet water and powders, lotions, etc. Raquel, Incorporated. 210,752; May 5.
Perfumes, toilet water, bath salts, rouge paste, etc. Raquel, Incorporated. 210,806; May 5.
Perfumes, toilet waters, and face powders. J. A. Tyson. 211,504; May 5.
Petroleum jelly and preparations thereof. Chesebrough Manufacturing Co., Consolidated. 209,829; May 5.
Pharmaceutical preparation for the relief of painful menstruation. Benzyl-Viburnum Laboratory. 211,251; May 5.
Preparation for catarrh, constipation, indigestion, etc. N. W. Harrison. 173,964; May 5.
Preparation for stomach troubles. J. B. Mock. 206,912; May 5.
Preparation for the treatment of pyorrhea. Pyo-Rem Chemical Company. 209,363; May 5.
Radiator compound. Sykes, Gorham and Hill. 211,304; May 5.
Shampoo, Liquid. Soap Distributors, Inc. 211,188; May 5.
Tablets, Headache. White Drug Company. 205,380; May 5.
Tablets, Medical. O. F. Louis. 209,580; May 5.
Tonic. Sharp & Dohme. 209,817; May 5.
Tonic, Blood and nerve. W. J. Besser. 211,515; May 5.
Tooth paste and face lotion. Florian Inc. 210,787; May 5.
Water, etc., Feed-water treatment for conditioning boiler. Reiter Co. 211,125; May 5.

CLASS 9.

Ammunition. Remington Arms Company. 209,321; May 5.
Matches. Safeway Stores, Incorporated. 211,546; May 5.

CLASS 12.

Insulating material. Illinois Asbestos Products Company. 209,669; May 5.
Pipes, Sealing compound for use on the threads of. J. G. Croll. 209,204; May 5.
Roofing materials. National Roofing Company. 207,200; May 5.
Shingles. Beaver Products Company. 209,557; May 5.

CLASS 13.

Clamps, Pipe. Smooth-On Manufacturing Company. 209,876; May 5.
Copper floats, lead traps, roof flanges, and trap covers. Carpenter & Paterson Inc. 192,816; May 5.
Metal angles, stamped metal arrows, bells, etc. Edwin B. Stimpson Company. 148,559; May 5.
Metal pipes, pipe fittings, etc., of corrosion-resisting composition. Duriron Company. 204,442; May 5.
Trussing or securing the parts of poultry during cooking, Implements for. J. M. Selden. 210,086; May 5.

CLASS 14.

Alloy, Metal. Precision Castings Company. 209,811; May 5.
Galvanized sheets. Superior Sheet Steel Company. 204,377–8; May 5.

CLASS 15.

Oil, Gun. Schaumburg Trading Co. 209,874; May 5.
Oils, Lubricating. Pierce Petroleum Corporation. 205,777; May 5.
Petroleum products. National Oil Company. 208,251; May 5.

CLASS 16.

Paint, Aluminum. Detroit Graphite Company. 208,230; May 5.
Paint, Enamel. Gillespie Varnish Company. 199,283; May 5.
Paints, varnishes, lacquers, etc. Rockcoat Paint Corporation. 200,548; May 5.

CLASS 19.

Automobiles. General Motors Corporation. 202,986–9; May 5.

CLASS 22.

Dolls. M. F. Howe. 191,282; May 5.
Toy wagons, scooters, cars, coasters, and wheelbarrows. Coast Specialty Company. 207,617; May 5.

CLASS 23.

Conveyer rolls. Conveyor Co. 205,688; May 5.
Lug straps and lug-strap supports. Welsh Manufacturing Co. 211,558; May 5.
Power-transmission appliances. T. B. Wood's Sons Company. 210,208; May 5.
Razors and shears. Fred W. Kiefer Co. 208,151; May 5.
Screw and chucking machines, Automatic and semiautomatic. New Britain Machine Co. 205,483; May 5.
Sewing machines. D. Beswick. 208,952; May 5.
Steam-boiler feed apparatus, steam-jet apparatus, steam blowers, etc. "Dabeg" Maschinenfabriks Aktiengesellschaft. 192,312; May 5.
Suction cleaner for all inclosed automobiles. Detroit Auto Vac Corp. 206,063; May 5.
Woodworking machines. Muskegon Machine Co. 209,678; May 5.

CLASS 25.

Banks. Chicago Thrift Company. 178,553; May 5.
Padlocks. W. Bingham Company. 208,091; May 5.

CLASS 26.

Ammeters and voltmeters. Tiffany Manufacturing Company. 211,139; May 5.
Automobiles, Ammeters for. Northern Engraving Company. 211,221; May 5.
Pantographs and drawing boards. Educational Service, Inc. 209,283; May 5.
Picture films, Motion-. Warner Brothers Pictures, Inc. 210,766; May 5.
Pictures, Moving. Schwartz Enterprises, Inc. 208,828; May 5.
Pictures, Moving. Universal Pictures Corporation. 210,201; May 5.
Scales, Weighing. Continental Scale Works. 209,623–4; May 5.

CLASS 29.

Toothbrushes, hairbrushes, and powder puffs. Adolphe Schloss Fils & Cie. 208,433; May 5.

CLASS 32.

Blinds, Window. Western Blind & Screen Co. 208,868; May 5.
Display racks. E. G. La Barre. 207,389; May 5.
Furniture. Dearborn Company. 182,490; May 5.
Tables, Household. Progressive Table Co. 209,748; May 5.

CLASS 33.

Glass globes, Electric-light. X-Cel-All Co. 209,956; May 5.

CLASS 34.

Cabinet heaters, Coal. Anchor Stove and Range Co. 209,193; May 5.
Gas generators and parts thereof. Albert Kreisa Gesellschaft m. b. H. 198,073–5; May 5.
Ventilators. H. F. Neumeyer. 209,680; May 5.

CLASS 35.

Rubber belting. Dallas Belting Company. 210,535; May 5.
Tires and inner tubes. Pharis Tire and Rubber Company. 210,575; May 5.
Tires and tubes, Inner tubes for. Goodyear Tire & Rubber Company. 210,549; May 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Tires, etc., Patch material for inner tubes for automobile. E. H. Hartman. 207,132; May 5.
Tires, Pneumatic. B. F. Goodrich Company. 211,164; May 5.
Tires, Rubber inner tubes for. Fisk Rubber Company. 200,485; May 5.

CLASS 37.

Binders, folders, catalogue covers, etc. Irving-Pitt Manufacturing Company. 207,244; May 5.
Books, Memorandum. L. P. Huey. 209,295; May 5.
Books, Series of drawing-lesson. I. Rosen. 209,178; May 5.
Forms, Insurance. Standard Forms Bureau. 198,035-6; May 5.
Paper clips. J. O. Winks. 176,308; May 5.
Paper, Reenforced. American Reenforced Paper Company. 207,052; May 5.
Paper, Shelf, drawing, etc. Central Paper Company. 209,120; May 5.
Pens, Fountain. Parker Pen Co. 206,432; May 5.
Pens, Fountain. Parker Pen Co. 207,255; May 5.
Picture mounts. J. A. Dinkler. 209,209; May 5.
Rubber stamps. Globe Stamp & Seal Co. 209,784; May 5.
Wrappers made from manila-rope paper, Merchandise. Rope Paper Sack Mfgrs. Assn. 198,031-2; May 5.

CLASS 38.

Advertising matter. L. A. Heine. 206,069; May 5.
Book published annually. Code Users, Inc. 210,288; May 5.
Books, Coupon. Direct Coupon Corporation. 188,626; May 5.
Forms, Business. P. H. Keays. 174,964; May 5.
Magazine, Monthly. Benevolent and Protective Order of Elks of the United States of America. 209,622; May 5.
Magazine, Monthly. Building Age Publishing Corporation. 207,065; May 5.
Magazine, Monthly. Oil Trade Journal, Inc. 209,425; May 5.
Magazine, Monthly. P. M. Reed. 210,406; May 5.
Magazine, Monthly. Will L. and Leo T. Robinson. 208,611; May 5.
Newspaper. S. Silverman. 210,506; May 5.
Newspaper section. H. F. Schaldach. 208,423; May 5.
Periodical. Hedman Manufacturing Company. 210,389; May 5.
Periodical published monthly. Funk & Wagnalls Company. 194,791; May 5.
Publication, Monthly. Bonnet-Brown Corporation. 208,181; May 5.
Publication, Monthly. Fawcett Publications, Inc. 209,287; May 5.
Publication, Monthly. Keystone Publishing Company. 208,660; May 5.
Publication, Monthly. Peoples Finance & Thrift Co. of America. 208,926; May 5.
Publication, Weekly. National Automobile Club. 207,251; May 5.
Publications, Mathematical. E. T. Frankel. 152,743; May 5.
Signs, Advertising. Massillon-Cleveland-Akron Sign Co. 209,537; May 5.
Stamps, Discount. Young Dry Goods Company. 210,771; May 5.
Stories and articles published in a continuing series, Short. B. Bayne. 196,227; May 5.

CLASS 39.

Apparel, Women's. Madelon Modes, Inc. 201,967; May 5.
Brassières and bandeaux. Rosner Manufacturing Company. 210,757; May 5.
Coats, vests, trousers, and suits, Men's. Middlishade Company. 210,741; May 5.
Collars. Cluett, Peabody & Co. 210,280; May 5.
Collars. Cluett, Peabody & Co. 210,286; May 5.
Collars. Cluett, Peabody & Co. 210,356; May 5.
Corsets, Ladies. R. H. Macy & Co. 210,914; May 5.
Fur garments for women and misses. Schaffer Bros. & Samuels. 209,700; May 5.
Garments, Chest and back protector. M. R. Durante. 166,525; May 5.
Hats. E. Israel. 160,064; May 5.
Hats and caps. O. Wagner. 192,944; May 5.
Hosiery. A. G. Fritz, executrix of the estate of M. H. Fritz. 210,960; May 5.
Hosiery. Hilb-Frankel Co. 211,530; May 5.
Hosiery. M. Josephson. 202,396; May 5.
Hosiery. Lehigh Silk Hosiery Mills, Inc. 210,909; May 5.
Hosiery. K. W. Watters Company. 210,516; May 5.
Overshoes, Rubber. Baltic India Rubber Company "Quadrat." 202,316; May 5.
Sandals and oxfords made of leather, Infants', children's, and misses'. Hagerstown Shoe & Legging Co., Inc. 211,206; May 5.
Shoes and hosiery. M. Wyman. 210,991; May 5.
Shoes, Boys' and girls'. Hamilton, Brown Shoe Company. 207,078; May 5.
Underwear and hosiery. Fort Plain Knitting Co. 211,025; May 5.

CLASS 40.

Celluloid jewelry. G. F. Berkander. 211,008; May 5.
Clasps, Lingerie. Parks Bros. & Rogers Inc. 206,589; May 5.
Hair permanent waving sachets or devices. Eugene Ltd. 209,285; May 5.
Needles and darning needles. New York Merchandise Company. 210,497; May 5.

CLASS 42.

Blankets, Cotton. Carolina Cotton & Woolen Mills Company. 207,966; May 5.
Cotton piece goods. Claflins Incorporated. 202,740; May 5.
Plushes in the piece, Cotton. Philadelphia Tapestry Mills. 204,931; May 5.
Shirtings in the piece, Cotton. National Shirt Shops, Inc. 210,682; May 5.
Silk, cotton, wool, and hair piece goods. Bianchini, Ferier. 200,031; May 5.
Silk fabrics. Golding Fabrics Corporation. 199,058; May 5.
Worsted piece goods. Atlantic Mills. 210,031-2; May 5.

CLASS 43.

Yarns, Worsted, woolen, silk, and silk and wool mixed. James Lees and Sons Company. 211,041; May 5.

CLASS 44.

Arch and ankle supports. H. Schwarzschild. 203,755; May 5.
Dental wire. Baker & Co. 178,952; May 5.
Surgical and dental instruments, Apparatus for sterilizing. Barnstead Still and Sterilizer Co. 207,775; May 5.
Surgical, dental, veterinary, and embalming instruments. Western Instrument & Manufacturing Co. 210,708; May 5.

CLASS 45.

Ginger ale. Carolina Club Company. 210,444; May 5.

CLASS 46.

Apples or peaches, Fresh. Associated Fruit Company. 210,824; May 5.
Apples, Fresh. Associated Fruit Company. 210,430; May 5.
Butter, canned foods, pickles, etc. Chabrow Brothers. 209,528; May 5.
Candies. Allen-Qualley Company. 199,337; May 5.
Candies. D. Auerbach & Sons. 209,609; May 5.
Candies and chocolates. A. E. Hill. 211,211; May 5.
Candy. American Candy Co. 194,427; May 5.
Candy. Bunte Brothers. 210,441; May 5.
Candy. Cardinet Candy Company. 211,460; May 5.
Candy. O. C. Everton. 206,586; May 5.
Candy. Gimbal Brothers. 211,092; May 5.
Candy. H. C. Hettinger. 203,517; May 5.
Candy. Package Confectionery Company. 211,287; May 5.
Candy. Schutter-Johnson Candy Co. 210,504; May 5.
Candy bars. Matzger Chocolate Company. 209,582; May 5.
Candy in bar form. C. Arnold. 196,998; May 5.
Canned apricots, peaches, and tomatoes. La Sierra Heights Canning Company. 183,305; May 5.
Canned chow mein noodles, bean sprouts, etc. Fuji Trading Company. 209,290; May 5.
Canned fish. J. Iriondo Azumendi. 208,467; May 5.
Canned foods. Albert W. Sisk & Son. 208,726; May 5.
Canned foods, etc. Aktiebolaget Hugo Hallgrens Konservfabriker. 187,276; May 5.
Canned fruits and vegetables. Tucker & Goodwin, Inc 210,514; May 5.
Canned olive oil. J. Scalsi. 200,225; May 5.
Canned olive oil, macaroni, and canned tunny fish. Angiolillo Brothers. 203,398; May 5.
Canned or preserved foods prepared from meats and vegetables, savories and soups, etc. Angus Watson & Company Limited. 202,650; May 5.
Canned peas. Haas Brothers. 209,843; May 5.
Canned salmon. Alaska Salmon Company. 210,775-6; May 5.
Canned salmon. Bristol Bay Packing Company. 210,525-6; May 5.
Canned salmon. Bristol Bay Packing Company. 210,704; May 5.
Canned tomatoes. A. Musher. 205,288; May 5.
Canned tomatoes and tomato purée. Camden Canning Co. 211,327; May 5.
Canned tunny fish. F. B. Neuhoff Company. 207,754; May 5.
Canned vegetables. E. E. Brass. 201,538; May 5.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Citrous fruits, Fresh. Placentia Orange Growers Association. 211,425; May 5.
Cocoa and chocolate. G. C. Bear. 193,378; May 5.
Coffee. McInnes Bros. Inc. 211,044; May 5.
Coffee, Green. Leon Israel & Bros. Inc. 211,273; May 5.
Coffee, Roasted. Geo. R. Newell & Co. 205,218; May 5.
Dressing and sandwich filler. E. F. Rasmussen. 209,816; May 5.
Flavoring extracts. Thomas J. Webb Co. 210,518; May 5.
Fruit. Petersen, Keller & Shumway, Inc. 209,867; May 5.
Fruit pectin product in making jellies and jams. Kansas City Pectin Co. Inc. 210,171; May 5.
Fruits and vegetables, Dried. La Societe A. Bloch and A. Kahn. 185,469; May 5.
Fruits, Dried. W. C. Cook & Co. 211,018; May 5.
Fruits, Fresh citrous and deciduous. Hunt, Hatch & Co. 211,030; May 5.
Fruits, Fresh deciduous. Lincoln Fruit Growers Association. 211,444; May 5.
Grapes, Fresh. Prestidge Fruit Co. 201,308; May 5.
Ham, bacon, lard, lard substitute, and sausage. Boyd Packing Company. 200,540; May 5.
Hams, bacon, lamb, beef, pork, etc. Edward T. Danahy Co. 210,448; May 5.
Malt, Dry. George Effros Corporation. 206,481; May 5.
Milk, Evaporated. Pet Milk Company. 211,121; May 5.
Mincemeat. Merrell-Soule Company. 204,179; May 5.
Pears. W. J. Stone. 211,237; May 5.
Pears, Fresh. D. H. Osborn. 210,573; May 5.
Pecan nuts. National Pecan Groves Company. 208,771; May 5.
Poultry, butter, and eggs. Omaha Cold Storage Company. 209,684; May 5.
Poultry, Dressed. Salina Poultry Company. 209,943; May 5.
Preparation used as an ingredient in bread and other dough products. T. B. Wagner. 210,635; May 5.
Raisins. Malaga Packing Company. 208,205; May 5.
Salt, Nutritive. T. B. Wagner. 210,636; May 5.
Sandwiches, fruit, fish, and meat, salads, and candy. W. T. Clark. 208,897; May 5.
Sausage, Cooked. White Castle System of Eating Houses Corporation. 205,303; May 5.
Shortening. Blayney-Murphy Company. 207,060; May 5.
Shortening, Vegetable. Nucoa Butter Company. 142,939; May 5.
Sirup, canned fruits, vegetables, fish, meats, and cereals, Corn. H. Wedekind & Co. 208,626; May 5.
Tea. Jas. H. Forbes Tea & Coffee Co. 211,415; May 5.
Tea. Sumner's Ty-phoo Tea Ltd. 208,727-8; May 5.
Tomato paste. Riverbank Cannery, Inc. 208,636; May 5.
Vegetables. Sing Wo Kee Co. 211,059; May 5.

CLASS 48.

Beverage, Tonic. Maier Brewing Company. 209,535; May 5.
Beverages, Malt. Maier Brewing Company. 209,536; May 5.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbey, George N., Boulder, assignor of one-half to M. F. Moreland, Denver, Colo. Upholstering machine. 1,536,183; May 5.

Abbott, William J., et al. (See Remus, William F., assignor.)

Abel, Elmer W., Sheboygan, Wis. Automobile license-plate fastener. 1,536,598; May 5.

Abrams, William, Chicago, Ill. Spindle for lighting fixtures. Des. 67,181; May 5.

Abrams, William, Chicago, Ill. Spindle for lighting fixtures. Des. 67,182; May 5.

À Brassard, Henry, assignor of one-half to T. J. Dugan, Cleveland, Ohio. Phonographic needle. 1,536,739; May 5.

Actien Gesellschaft für Anilin Fabrikation. (See Onmerts, Paul, assignor.)

Actien Gesellschaft für Anilin Fabrikation. (See Spengler, O., and Kreutzer, assignors.)

Actien Gesellschaft für Anilin Fabrikation. (See Spengler, O., and Pfannenstiel, assignors.)

Agasote Millboard Co., The. (See Sutherland, Daniel M., jr., assignor.)

Ahlburg, Frank, assignor to Electric Fruit Marking Co., Los Angeles, Calif. Marking machine. 1,536,184; May 5.

Ainsworth Manufacturing Company. (See Potter, Albert T., assignor.)

Akeroyd, Julius A., Edgewood, Providence, R. I., assignor to General Electric Company. Feeding mechanism for base-making machines. 1,536,740; May 5.

Alastalo, Wiljo U., New York, N. Y. Hand bar for physical training. 1,536,048; Apr. 5.

Albright, Arthur P., Detroit, Mich. Lamp stand. Des. 67,183; May 5.

Alden, Earle G., Denver, Colo. Humidifier. 1,536,741; May 5.

Aldrich, Alonzo, Beloit, Wis. Paper-making machine. 1,536,599; May 5.

Aldrich, Charles H., Keene, N. H., assignor to P. J. Kruesi, trustee, Chattanooga, Tenn. Preventing the crusty formation of solidified oxides. 1,536,176; May 5.

Aldrich, Howard E., Middletown, N. Y. Sweatband for hats. 1,536,998; May 5.

Allen, Edgar C. (See Knutsson, Roger L., assignor.)

Allen, Edgar C., assignor of one-half to R. L. Knutsson, Rockford, Ill. Electric cigar lighter. 1,536,049; May 5.

Allen, Edward B., Newtown, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Stitched buttonhole. 1,537,022; May 5.

Allgrunn, Carl G. (See Knapp, E., and Allgrunn.)

Allington, John B., and C. L. Cadle, Rochester, N. Y. Heating apparatus. 1,536,646; May 5.

Allison, Arthur, Maywood, assignor to W. W. Wilson, Los Angeles, Calif. Underreamer. 1,536,465; May 5.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,536,050; May 5.

Altorfer, Alpheus W., Peoria, assignor to Altorfer Bros. Company, East Peoria, Ill. Washing machine. 1,536,051; May 5.

Altorfer Bros. Company. (See Altorfer, Alpheus W., assignor.)

American Automatic Heating Company. (See Humphrey, Raleigh, assignor.)

American Bank Note Company. (See Smith, Amos H., assignor.)

American Bottle Company, The. (See Curran, Jerome P., assignor.)

American Casting and Manufacturing Corporation. (See Dietz, Emil, assignor.)

American Cellulose and Chemical Manufacturing Company Limited. (See Bader, W., and Dickie, assignors.)

American Chain Company. (See Conner, Edward A., assignor.)

American Fire Prevention Bureau. (See Derby, J. H., and Bowden, assignors.)

American Fire Prevention Bureau, Inc. (See Derby, John H., assignor.)

American Meter Company. (See McDonald, Donald, assignor.)

American Mine Door Co., The. (See Gurney, Albert J., assignor.)

American Safety Razor Corporation. (See Behrman, Marcus B., assignor.)

American Safety Razor Corporation. (See Kaufman, Joseph, assignor.)

American Stove Company. (See Roy, Joseph, assignor.)

American Telephone and Telegraph Company. (See Martin, William H., assignor.)

American Telephone and Telegraph Company. (See McCutchen, Brunson S., assignor.)

American Telephone and Telegraph Company. (See Perry, Donald B., assignor.)

American Type Founders Company. (See Hulse, Edward P., assignor.)

Amsler, Walter O., Pittsburgh, Pa. Variable-contact device. 1,536,321; May 5.

Anderson, Ernest G., and W. J. Gratrick, Minneapolis, Minn. Rake attachment. 1,536,742; May 5.

Anderson, Frank C., Cincinnati, Ohio. Switch stand. 1,536,552; May 5.

Anderson, Hiram C., New York, N. Y. Resilient disk wheel. 1,536,743; May 5.

Anderson, Martin E., Denver, Colo. Tire lock. 1,536,744; May 5.

Anderson, Nils A., Woodmere, N. Y. Tool for inserting split sleeves. 1,536,601; May 5.

Anderson, Nils A., Brooklyn, N. Y. Tool for truing contact points. 1,536,602; May 5.

Anderson, Olof B., Marquette, Mich. Exploring drill. 1,536,600; May 5.

Anderson, Sno A., jr., assignor of three-fourths to E. C. Seale, Whipple Barracks, Ariz. Roller-bearing-sleeve puller. 1,536,553; May 5.

Andresen, Amandus, Brockton, Mass. Automatic calendar clock. 1,536,647; May 5.

Andrews, James A., and J. W. Herbert, Biddeford, Me. Loom check mounting. 1,536,745; May 5.

Ansonia Manufacturing Company. (See Armbrust, Charles W.)

Anthony, Alfred R., Fort Pierce, Fla. Oil burner. 1,536,046; May 5.

Apex Machine Company, The. (See Ziegler, William M., assignor.)

Apostoloff, Serge, assignor to Union Dry Battery Corporation of America, New York, N. Y. Galvanic cell. 1,537,023; May 5.

Apple, Vincent G., Dayton, Ohio. Dynamo-electric machine. 1,536,279; May 5.

Armbrust, Charles W., Albany, N. Y., assignor to C. H. Jockmus, doing business as Ansonia Manufacturing Company, Ansonia, Conn. Device for making water. 1,536,746; May 5.

Armstrong, William E. (See Koehnline, I. J., and Armstrong.)

Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Tractor planer. 1,536,185; May 5.

Arnold, Jean B., Milan, Italy. Machine for cleansing matrices. 1,536,186; May 5.

Arnold, William W., jr., Manchester, Ga. Tension regulator for section beams on slasher and beamer creels. 1,536,047; May 5.

Arrowsmith, Aaron, Sisseton, S. Dak. Oil burner. 1,536,747; May 5.

Arthur, Frank R., Mountain View, Calif. Air heater. 1,536,648; May 5.

Ashley, Edward E., jr., Noroton, Conn., assignor to Walker Brothers, Philadelphia, Pa. Electrical wiring system. 1,536,748; May 5.

Astoria Silk Works. (See Bellmar, William, assignor.)

Auison, John W., Lynn, Mass. Leather-graining machine. 1,536,368; May 5.

Auison, John W., Lynn, Mass. Leather-graining machine. 1,536,369; May 5.

Austin, Arthur O., Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,536,749; May 5.

Austin, F. C., Machinery Company. (See Bentson, Hans J., assignor.)

Avery, James H., Franklin, Mass., assignor to P. C. Wentworth, Providence, R. I. Ring-traveler machine. 1,536,280; May 5.

Avidan, Jacob, Freeport, assignor to Lippmann, Spier & Hahn, New York, N. Y. Vanity case. Des. 67,184; May 5.

Ayers, Gurney A., Mount Airy, N. C. Fruit gatherer. 1,536,554; May 5.

Ayres, Webb W., Pavilion, assignor of three-eighths to R. W. White and two-eighths to A. A. Merry, Rochester, N. Y. Illuminating apparatus for photographic copy boards. 1,536,555; May 5.

Bader, Walter, and W. A. Dickie, Spondon, near Derby, England, assignors to American Cellulose and Chemical Manufacturing Company Limited. Manufacture of compositions or preparations with cellulose derivaties. 1,536,052; May 5.

Bailey, David E., Mechanicsville, N. Y. Ax. 1,536,872; May 5.

Bailey, George. (See Shippert, W. A., and Bailey.)

Baker, Porter C., and J. H. Gibson, Morrill, Nebr. Best elevator. 1,536,187; May 5.

Baker, Vernon E., Elyria, Ohio. Can opener. 1,536,053; May 5.

Baldwin, Clarence D., Nashua, Iowa. Piling lumber for drying purposes. 1,536,750; May 5.

Ball, George P., Milwaukee, Wis. Combination portable loader and car unloader. 1,536,603; May 5.

Banbury, Fernley H., Ansonia, assignor to Birmingham Iron Foundry, Derby, Conn. Machine for treating rubber and other heavy plastic material. 1,536,466; May 5.

Barnes, Thomas, Ogden, Utah. Vehicle tow bar. 1,536,751; May 5.

Barrett Company, The. (See Hall, Thomas H., assignor.)

Barrundia, Federico Z., Guanajuato, Mexico. Controlling switch. 1,536,999; May 5.

Barthelemy, Louis J., San Juan, P. R. Preheating device for concentrating evaporators. 1,536,873; May 5.

Bartlett Hayward Company, The. (See Krekel, Hubert, assignor.)

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,054; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,055; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,056; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,057; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,058; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,059; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,060; May 5.

Bartlett, Kent W., Hammond Ind. Liquid-treating apparatus. 1,536,061; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,062; May 5.

Bartlett, Kent W., Hammond, Ind. Liquid-treating apparatus. 1,536,063; May 5.

Batcheller, Hugh W., Worcester, Mass., assignor to Winooski Electric Manufacturing Company, Inc., Burlington, Vt. Terminal connector. 1,536,281; May 5.

Bates, Peter R., Graham, Va. Cut-off valve. 1,536,874; May 5.

Bausch & Lomb Optical Company. (See Drescher, Theodore B., assignor.)

Baxter, William W. (See Hellmann, L. F., and Baxter.)

Beal, Frank P., New York, N. Y. Racket. 1,536,255; May 5.

Beatty, Franklin E., Philadelphia, Pa. Rope cutter. 1,536,752; May 5.

Beaumont, R. H., Company. (See Hale, William E., assignor.)

Beaver Company, The. (See Burnham, Walter N., assignor.)

Beavers, Lambert E., Philadelphia, Pa. Toy. 1,536,467; May 5.

Beck, James, Buffalo, and C. E. Steele, Olean, N. Y. Artificial foot. 1,536,177; May 5.

Beck, Lucian G., and A. C. Whitecotton, Elkins, W. Va. Self-cleaning tank valve. 1,536,415; May 5.

Becker, Harry E., Brea, assignor to Regan Forge and Engineering Company, Inc., San Pedro, Calif. Oil-well packer. 1,536,370; May 5.

Becker, Theodor, Dusseldorf, Germany. Method for manufacturing hollow bodies of steel, alloys, or other metals. 1,537,041; May 5.

Beckwith, Giles A., Waterford, Conn. Tire chain. 1,536,556; May 5.

Behrman, Marcus B., New York, assignor to American Safety Razor Corporation, Brooklyn, N. Y. Cabinet for holding shaving requisites. 1,536,468; May 5.

Bell & Howell Company. (See Mikkelsen, Harry A., assignor.)

Bell, John H., South Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telegraph system. 1,536,753; May 5.

Bellmar, William, Astoria, assignor to Astoria Silk Works, Long Island City, N. Y. Plush-loom cutter stop. 1,537,000; May 5.

Benedikt, Franz. (See Sabadello, Vinzenz, assignor.)

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)

Benjamin Electric Manufacturing Company. (See Hopkins, C. L., and Hinkle, assignors.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical-fixture-supporting device. 1,536,322; May 5.

Benner, Raymond C., Bayside, and J. H. Fink, Brooklyn, N. Y., assignors to The Preat-O-Lite Company, Inc. Making storage-battery plates. 1,536,064; May 5.

Bennett, Fred S., Inc. (See White, Clarence B., assignor.)

Bennett, Robert H., Washington, D. C. Combined switch and fuse box. 1,536,469; May 5.

Benson, Harry F., Holyoke, Mass., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Axial-flow pump. 1,536,754; May 5.

Bentson, Hans J., Kenosha, Wis., assignor, by mesne assignments, to F. C. Austin Machinery Company. Traction belt construction. 1,536,604; May 5.

Benvie, Herbert, assignor of one-half to R. H. White, Meriden, Conn. Safety valve for gas jets and the like. 1,537,001; May 5.

Berg, Theodor, Werdohl, Germany. Tuyère for blast pipes for high and other metallurgical furnaces. 1,536,755; May 5.

Bergman, Edward. (See Dietrich, F., and Bergman.)

Bergstrom, Carl G. G., St. Paul, Minn. Attachment for motor-vehicle transmissions. 1,536,756; May 5.

Bernau, Frederick W., assignor to Ellis Adding-Typewriter Company, Newark, N. J. Adding accumulator. 1,536,757; May 5.

Betcher, Chester E., Minneapolis, Minn. Smoke-consuming furnace. 1,536,649; May 5.

Betcher, Chester E., Minenapolis, Minn. Furnace attachment. 1,536,650; May 5.

Bethlehem Steel Company. (See Lehr, Charles E.)

Bewlay and Company Limited. (See Low, Frederick E., assignor.)

Billings, Herbert E., assignor to "Heb" Manufacturing Company, Woodstock, Ill. Spark plug. 1,536,065; May 5.

Birmingham Iron Foundry. (See Banbury, Fernley H., assigner.)

Bischof, Ulrich, assignor to Gebr. Stäubli & Co., Horgen, Zurich, Switzerland. Thread-stitching machine having a thread layer with two points. 1,536,066; May 5.

Bischoff, Richard, Dusseldorf, Germany. Steel-hardening process. 1,536,416; May 5.

Bishop, Arete C., New York, N. Y. Type cleaner. 1,536,605; May 5.

Bishop, Joseph W., and J. O. Matteson, Muskegon, Mich., assignors to The Brunswick-Balke-Collender Company, Chicago, Ill. Bowling pin. 1,536,606; May 5.

Blanchard Company, The. (See Ferdon, Edwin N., assignor.)

Blevins, Mary L. (See Chambliss, Green Y., assignor.)

Blinn, Joseph S., New Haven, Conn. Indicating device for bottles and the like. 1,536,067; May 5.

Block, Eileen P., Plymouth, Mich. Art product and forming the same. 1,536,371; May 5.

Bodmer, Christian, assignor to The Stanley Works, New Britain, Conn. Hand drill or the like. 1,536,758; May 5.

Bohlman, Ernest A., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Switchboard plug. 1,536,068; May 5.

Bolick, Jerome, Conover, N. C. Wheel spoke. 1,536,417; May 5.

Bond, Bennett, Lesterville, Mo. Spring Mattress. 1,536,323; May 5.

Booth, William N., Detroit, Mich. Demountable rim. 1,536,372; May 5.

Booth, William N., Detroit, Mich. Device for expanding and contracting demountable rims. 1,536,373; May 5.

Bornside, Harry B., Providence, R. I. Rubbish incinerator. 1536,470; May 5.

Borough, Willard L. (See McLaine, W. L., and Borough.)

Bosshardt, Edwin, Hudson Heights, N. J. Embroidery. 1,536,471; May 5.

Bossi, Enea, New York, N. Y., assignor, by mesne assignments, to Stewart Warner Speedometer Corporation. Vacuum feed. 1,536,324; May 5.

Bowen, Edgar W., Jacksonville, Fla. Swimming pool. 1,536,875; May 5.

Bowen, Troy A. L., Tulsa, Okla. Steel-derrick reenforcement. 1,536,651; May 5.

Bower, George W., Schenectady, N. Y., assignor to General Electric Company. Overhead-trolley system. 1,536,759; May 5.

Bower, John S. (See Haines, C. I., and Bower.)

Bowden, Charles E. (See Buckingham, J. F., and Bowden.)

Bowden, Joseph E. (See Derby, J. H., and Bowden.)

Bowler, Thomas, North Vancouver, British Columbia, Canada. Valves. 1,536,760; May 5.

Boyd, Jesse B. (See Breakfield, Charles C., assignor.)

Brackett, John C., Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J. Shoveling and loading machine. 1,536,282; May 5.

Bradley, George W., St. Louis, Mo. Soldering pot. 1,537,002; May 5.

Bradley, William H. I., Birmingham, assignor to The Calso Hood Company Limited, Coventry, England. Folding hood for motor vehicles. 1,536,069; May 5.

Bradner, Harry E., Fremont, Ohio, assignor, by mesne assignments, to The Twin-Plex Reversible Window Company, Inc., Buffalo, N. Y. Runner device. 1,536,325; May 5.

Brand Bottling Works. (See Brand, David, assignor.)

Brand, David, assignor to Brand Bottling Works, Houston, Tex. Bottle. Des. 67,185; May 5.

Brand, Frederick F., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. 1,536,761; May 5.

Brandes, C., Inc. (See Dietrich, F., and Bergman, assignors.)

Brandes, C., Inc. (See Fischer, Hermann, assignor.)

Brandes, C., Inc. (See Rypinski, Maurice C., assignor.)

Brassard, A Henry. (See A Brassard, Henry.)

Breakfield, Charles C., assignor of one-half to J. B. Boyd, Allensville, Ky. Attaching plate for springs. 1,536,418; May 5.

Breguet, Louis, assignor to Société Anonyme des Ateliers d'Aviation Louis Breguet, Paris, France. Method and apparatus for facilitating the starting and the landing of aeroplanes. 1,536,283; May 5.

Bright, George W., Denver, Colo. Can opener. 1,536,070; May 5.

Brittan, Glenn E. (See Howard, A. C., Brittan, and Cook.)

Britton, William M., Syracuse, N. Y. Method of and apparatus for making cotter pins. 1,536,284; May 5.

Brockway, George A., St. Paul, Minn. Cue tip. 1,536,652; May 5.

Brookby, Harry E., Evanston, assignor to United States Gypsum Company, Chicago, Ill. Manufacture of dilute solutions of magnesium sulphate. 1,536,326; May 5.

Broughton, Joseph, Birmingham, England. Guard for machinery. 1,536,762; May 5.

Brown, Earl A., Washington, D. C. Continuously-flowing display device. 1,536,188; May 5.

Brown, Elmer A., Denver, Colo. Automobile brake lining. 1,536,071; May 5.

Brown, Hugh E., assignor to W. M. Welch Manufacturing Company, Chicago, Ill. Toy gas engine. 1,537,042; May 5.

Brown, John T. L., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system. 1,536,763; May 5.

Brown, Theodore P., assignor to Simplex Player Action Company, Worcester, Mass. Valve mechanism for expression-controlling devices of musical instruments. 1,536,374; May 5.

Browne, Freleigh E., Ridgefield Park, N. J. Half-hose garter. 1,536,472; May 5.

Browne, Vere B., Brackenridge, Pa. Making silicon steel. 1,536,653; May 5.

Browne, Vere B., assignor to Valley Holding Corporation, Brackenridge, Pa. Tilting furnace. 1,536,654; May 5.

Browne, Vere B., assignor to Valley Holding Corporation, Brackenridge, Pa. Manufacturing steel sheets. 1,536,655; May 5.

Browning, Fletcher W., Kingsport, Tenn. Power-transmission belt. 1,536,557; May 5.

Brucker, Ferdinand F., assignor to The Miller Rubber Company, Akron, Ohio. Making hollow rubber articles. 1,536,700; May 5.

Brunelle, Louis P., Winnipeg, Manitoba, Canada. Vest. 1,536,473; May 5.

Brunswick-Balke-Collender Company, The. (See Bishop, J. W., and Matteson, assignors.)

Bryant Electric Company, The. (See Catlin, Hoyt, assignor.)

Bryant Electric Company, The. (See Stacey, William A., assignor.)

Bryant, Eugene A., Minneapolis, Minn. Auto lock. 1,536,072; May 5.

Bryant, George W., Ashburn, Ontario, Canada. Draft break hook. 1,536,656; May 5.

Bryant, Llewellyn F., Lynn, Mass., assignor to The Springfield Motor Sweeper Company, Springfield, Ohio. Street sweeper. 1,537,003; May 5.

Buberl, Carl, Detroit, Mich. Oil burner. 1,536,474; May 5.

Buchanan, Hugh. (See Moir, D., and Buchanan.)

Buckeye Iron & Brass Works. (See Trace, Russell A., assignor.)

Buckingham, James F., and C. E. Bowden, Leamington Spa, England; said Buckingham assignor to said Bowden. Device for mooring ships and the like. 1,536,701; May 5.

Buckley, Oliver E., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,536,764; May 5.

Budde & Westermann. (See Burno, Joseph N., assignor.)

Buhlman, Herman, Providence, R. I. Watchcase bezel. 1,536,607; May 5.

Bukowsky, Harry E., assignor to Willamette Iron and Steel Works, Portland, Oreg. Forced-circulation brake. 1,536,558; May 5.

Bulova, Adolph, assignor to Bulova Watch Company, Inc., New York, N. Y. Display box. 1,536,765; May 5.

Bulova Watch Company. (See Bulova, Adolph, assignor.)

Burch, Charles E. S., Devore, Calif. Pneumatic ore separator. 1,537,024; May 5.

Burch, Ora L., Littleton, Colo. Spark-plug tester. 1,536,876; May 5.

Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Power shovel. 1,536,608; May 5.

Burke, Paul, assignor to Northwest Engineering Company, Green Bay, Wis. Power shovel. 1,536,609; May 5.

Burnham, Walter N., Ballston Spa, assignor to The Beaver Company, Beaver Road, Buffalo, N. Y. Suction cylinder. 1,536,610; May 5.

Burniston, George W., Chicago, Ill. Vehicle jack. 1,536,877; May 5.

Burno, Joseph N., Chicago, Ill., assignor to Budde & Westermann. Liquid-dispensing apparatus. 1,536,475; May 5.

Burno, Joseph N., Chicago, Ill., assignor to Budde & Westermann. Liquid dispenser. 1,536,476; May 5.

Burwell, Arthur W., Poughkeepsie, N. Y. Effecting organic reactions. 1,536,419; May 5.

Byrer, Joel F., Kewanna, Ind. Facing tool. 1,536,878; May 5.

Cadle, Charles L. (See Allington, J. B., and Cadle.)

Calso Hood Company Limited, The. (See Bradley, William H. I., assignor.)

Calzetti, Veraldo, Parma, Italy. Gymnastic apparatus. 1,536,256; May 5.

Cameron Cheever J., et al. (See Williams, Arthur J., assignor.)

Cammann, Hermann H., Merrick, N. Y. Invalid lifter. 1,536,766; May 5.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car construction. 1,537,050; May 5.

Campbell, Argyle, assignor to Enterprise Railway Equipment Company, Chicago, Ill. Railway-car construction. 1,537,051; May 5.

Campbell, John J., and F. J. Spang, assignors to Spang and Company, Butler, Pa. Wire clamp. 1,536,557; May 5.

Carlson, Gustave A., Detroit, Mich. Sash-regulating device. 1,537,004; May 5.

Carpenter, J. Willard, St. Louis, Mo. Ice-cream-molding machine. 1,536,420; May 5.

Carr, Charles E., Drummond, Okla. Metal protector for graves. 1,536,658; May 5.

Carrier Engineering Corporation. (See Stacey, Alfred E., jr., assignor.)

Carroll, Edward W., Weston, W. Va. Post construction. 1,536,559; May 5.

Carroll, William C., St. Kilda, Victoria, Australia. Exhibition of motion pictures and the like in daylight. 1,536,421; May 5.

Carson, Harry C., Cheviot, Ohio. Rake attachment. 1,537,005; May 5.

Carter, Clarence W., assignor to Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Percentage feeder. 1,536,073; May 5.

Carter, George E., Circleville, assignor to The Eastern Engineering Corporation, Columbus, Ohio. Castellated nut. 1,536,767; May 5.

Carter-Mayhew Manufacturing Company. (See Carter, Clarence W., assignor.)

Carter Radio Company et al. (See Yaxley, Ernest E., assignor.)

Carter, Ray L., Syracuse, N. Y. Adjustable cutter head. 1,536,659; May 5.

Carter, Thomas, Detroit, Mich. Rubber-sundai-assembling machine. 1,536,879; May 5.

Cartlidge, Frank, Cincinnati, Ohio, assignor to Sullivan Machinery Company. Mining machine. 1,536,327; May 5.

Cartlidge, Frank, Terre Haute, Ind., assignor to Sullivan Machinery Company. Mining machine. 1,536,422; May 5.

Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Commutator. 1,536,328; May 5.

Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation, New York, N. Y. Brush rigging. 1,536,329; May 5.

Caskey-Dupree Manufacturing Company. (See Schmid, William, assignor.)

Casler, Herman, assignor to Sherwood Bros. Mfg. Co. Inc., Canastota, N. Y. 1,536,768; May 5.

Catlin, Hoyt, Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Rotary snap switch. 1,536,769; May 5.

Caudill, Reuben E., Northwilkesboro, N. C. Washing machine. 1,536,560; May 5.

Caugherty, William F., and S. C. Hookey, Natrona, Pa. Manufacturing steel sheets. 1,536,660; May 5.

Central Machine Works. (See Duke, Calvin F., assignor.)

Chadwick, Robert A., jr., Milwaukee, Wis. Tractor attachment. 1,536,561; May 5.

Chambliss, Green Y., El Paso, Tex., assignor of one-third to M. L. Blevins, Anthony, N. Mex. Headlight shade. 1,536,770; May 5.

Chandler, Charles F., et al. (See Sibley, George H., assignor.)

Chapman, Frank D., Berlin, Wis. Ironing machine. 1,536,771; May 5.

Chapman Self Locking Nut Company, trustee. (See Emery, I. C., assignor.)

Chase, March F., Ardsley-on-Hudson, and J. Skogmark, New York, N. Y. Method of and apparatus for roasting ores. 1,536,702; May 5.

Chase, Warren D., Hartford, Conn. Antiskidding device. 1,536,074; May 5.
Chess, Philip S. (See Frans, Joseph P., assignor.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chipman, De Yoe C., Ann Arbor, Mich. Baling press. 1,536,562; May 5.
Christensen, Christen, Chicago, Ill., assignor to General Electric Company. Electric switch. 1,536,772; May 5.
Church, Harold D., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,536,330; May 5.
Ciaccio, Peter J., New Orleans, La. Holder and lock for auto hoods. 1,536,773; May 5.
Cincinnati Butchers' Supply Company, The. (See Focke, Walter E., assignor.)
Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)
Citizens of the United States of America. (See Thelen, Rolf.)
Clark, George W., Westfield, Mass., assignor to Westfield Manufacturing Company. Brake mechanism for baby carriages. 1,536,285; May 5.
Clarkson, William B., Schenectady, N. Y., assignor to General Electric Company. Automatic arc welding. 1,536,774; May 5.
Claunch, William A. (See Kirkpatrick, T. M., and Claunch.)
Clemens, Emanuel, East Orange, assignor to Superior Ivory Button Company, Newark, N. J. Button-making machine. 1,536,423; May 5.
Clements, George P., et al. (See Jaeger, Henry G., assignor.)
Codding, May K., San Francisco, Calif. Apparatus for amalgamation. 1,536,375; May 5.
Codman, Joseph, New York, N. Y. Combination jewelry. 1,536,189; May 5.
Coffey, Oscar L., Harvey, and W. De Vries, Chicago, assignors to Whiting Corporation, Harvey, Ill. Assembly machine. 1,536,563; May 5.
Cole, Charles P., sr., Paterson, N. J. Treating soupled silk and product thereof. 1,536,564; May 5.
Colling, Charles H., Amsterdam, N. Y. Axminster tube frame. 1,536,703; May 5.
Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)
Combustion Utilities Corporation. (See Degner, Albin M., assignor.)
Compagnie D'Applications Mecaniques. (See Rouanet, Louis, assignor.)
Conant, Wallace B., Concord, Mass. Loading machine. 1,536,331; May 5.
Concealed Door Check Company. (See Eastman, Floyd K., assignor.)
Connell, Edwin L., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Guard for grinding wheels. 1,536,565; May 5.
Conner, Edward A., Bridgeport, Conn., assignor to American Chain Company, Inc. Cable and making the same. 1,536,661; May 5.
Connors, James J., Juneau, Alaska. Heater. 1,536,075; May 5.
Conrad, Madison H., Lexington, N. C. Folding bed. 1,536,190; May 5.
Convery, John J., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company. Tire-making machine. 1,536,376; May 5.
Convery, John J., Akron, Ohio, assignor to The Goodyear Tire & Rubber Company. Tire-making machine. 1,536,377; May 5.
Conwell, Eldie P., Allerton, Iowa. Even-feed accelerator. 1,536,775; May 5.
Cook, John A. (See Howard, A. C., Brittan, and Cook.)
Cook, Walter H. (See Hartman, J. Y., and Fuller, assignors.)
Cooper, Simon, Brooklyn, N. Y. Making articles from pulp. 1,536,566; May 5.
Coppus Engineering and Equipment Company. (See Wechsberg, Otto, assignor.)
Cork, Charles F., et al. (See Renus, William F., assignor.)
Cotton, Alfred, deceased, assignor to Heine Boiler Company, St. Louis, Mo. Water-tube boiler. 1,536,776; May 5.
Cowan, John H., Kansas City, Mo., assignor, by mesne assignments, to Nicholson Construction Company. Combination hair cutter and safety razor. 1,536,662; May 5.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Power controller for carrier-dispatch system. 1,536,424; May 5.
Crago, Felix H., Milltown, Mont. Trap. 1,536,704; May 5.
Crane, Clinton L., et al. (See Nelson, Robert G., assignor.)
Crane, Henry M., New York, N. Y. Brake mechanism. 1,536,076; May 5.
Crane, S. L., et al. (See Nelson, Robert G., assignor.)
Craven, Francis S., Washington, D. C., assignor to the Government of the United States. Lubricating stuming box. 1,536,378; May 5.
Creamery Package Mfg. Company, The. (See Paulson, W. M., and Walstrom, assignors.)
Creamery Package Mfg. Company, The. (See Valerius, Theodore L., assignor.)
Creamery Package Mfg. Company, The. (See Walstrom, Axel M., assignor.)
Creedy, Frederick, Ilkley, England. Dynamo-electric machine. 1,536,077; May 5.
Crewe, Samuel, East Cleveland, Ohio. Gun for calking or similar operations. 1,536,477; May 5.
Crocker, Ernest B., Stratford, Conn., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Gauge. 1,536,478; May 5.
Crompton, George, jr., assignor to R. G. Pratt, Worcester, Mass. Shuttle-changing mechanism for looms. 1,537,006; May 5.
Crompton, George, jr., assignor to R. G. Pratt, Worcester, Mass. Shuttle-changing mechanism for looms. 1,537,007; May 5.
Crone, Seth A., East Orange, N. J. Car-truck brake-beam mechanism. 1,536,567; May 5.
Crone, Seth A., East Orange, N. J. Pin or bolt retainer for railway-brake-beam levers and connections. 1,536,568; May 5.
Crossmore, Edward Y. Toledo, Ohio. Display rack. Des. 67,186; May 5.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Bracket lantern for lighting fixtures. Des. 67,187; May 5.
Cruse, Henry, Hyde, England. Impregnation of fibers by electrolysis. 1,536,569; May 5.
Cumfer, Harry A., Chicago, Ill., assignor to Guyton & Cumfer Mfg. Co. Temperature-changing appliance. 1,536,479; May 5.
Cunningham, Otto H., assignor to Valley Holding Corporation, Brackenridge, Pa. Manufacturing steel sheets. 1,536,663; May 5.
Curran, Jerome P., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,188; May 5.
Curran, Jerome P., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,189; May 5.
Currier, Arthur L., New Ipswich, N. H., assignor to J. W. Moore Machine Company, Boston, Mass. Apparatus for dressing grinders. 1,537,025; May 5.
Curtin, Andrew F., Medford, Mass. Flushing valve for water-closets. 1,536,078; May 5.
Custer, George E., Providence, R. I. Heating apparatus. 1,536,257; May 5.
Dalton, Ernest E., Chicago, Ill. Dental burner. 1,536,079; May 5.
Dam, Henry M. R., Astoria, assignor to Monowatt Electric Import Co. Inc., New York, N. Y. Lamp socket for Christmas-tree lighting. 1,536,332; May 5.
Davidson, Elias E., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire bead and making tires. 1,536,080; May 5.
Davis Brake Beam Company. (See Haskell, Broderick, assignor.)
Davis, Charles E., assignor to Goodman Manufacturing Company, Chicago, Ill. Draft device for mining machines. 1,536,795; May 5.
Davis, Meyer, assignor of one-third to J. Elias and one-third to L. Mann, New York, N. Y. Wardrobe trunk. 1,536,425; May 5.
Day, Albert, London, England. Machine for making and filling packets. 1,536,258; May 5.
Day, Charles R., Edgeworth, Pa. Apparatus for manufacture of axles. 1,536,777; May 5.
Day, William P., Cleveland, Ohio. Rail-insulating metallic tie. 1,536,880; May 5.
Deagan, J. C., Inc. (See Little, Frederick B., assignor.)
Deakins, Grover C., Anaheim, and L. S. Hamer, Fullerton, assignors of one-third to E. C. Wilson, Los Angeles, Calif. Expansible piston packing. 1,536,426; May 5.
Dean, Peter P., Sound Beach, Conn. Portable valve-operating apparatus. 1,536,081; May 5.
Decker, William M., Buffalo, N. Y. Cushioned vehicle wheel. 1,536,817; May 5.
Deere & Company. (See Paul, William L., assignor.)
De Flores, Luis, Short Hills, N. J. Attachment for sextants. 1,536,286; May 5.
De Flores, Luis, Pomfret, Conn. Oil burner. 1,536,705; May 5.
Degner, Albin M., Brooklyn, assignor, by mesne assignments, to Combustion Utilities Corporation, New York, N. Y. Heating apparatus for gas-fired ovens. 1,536,427; May 5.
De Gruchy, Francis, Newark, N. J. Gas-light burner. 1,536,818; May 5.
De Lacy, Sidney A., Acton, England. Frame to make possible in the same apparatus solvent recovery by distillation, after extraction of a substance has been made by that solvent. 1,536,259; May 5.
De Lavaud, Dimitri S., Paris, France. Automatic variable power transmissions. 1,536,819; May 5.
De Lavaud, Dimitri S., Paris, France. Variable-speed transmission. 1,536,820; May 5.
Denham, Bertram M., Leeds, England. Means for mounting vehicle wheels. 1,536,778; May 5.
Denny, Samuel W., Detroit, Mich. Combination cigarette and match box. 1,536,570; May 5.
Derby, John H., New York, N. Y., and J. E. Bowden, Newark, N. J., assignors to American Fire Prevention Bureau, New York, N. Y. Electric-signal wiring system. 1,536,191; May 5.

Derby, John H., New York, N. Y., assignor to American Fire Prevention Bureau, Inc., New York, N. Y. Self-supervised electric system. 1,536,192; May 5.
Detroit Creamery Company. (See Johnston, James E., assignor.)
Deuscher, Roy E., Bay City, Mich. Cuff button. 1,536,193; May 5.
Devers, Philip K., Lynn, Mass., assignor to General Electric Company. Apparatus for and method of making vitreous silica. 1,536,821; May 5.
Devlin, William F. C., and S. W. Graham, Ottawa, Ontario, Canada; said Graham assignor to said Devlin. Shutter-control mechanism for folding cameras. 1,536,480; May 5.
De Vries, Walter, et al. (See Coffey, O. L., and De Vries.)
Dewey, Haywood G. (See Jones, J. G., and Dewey.)
Dickens, Charles, Oakland, Calif. Chemical product. 1,536,379; May 5.
Dickey, Lewis J., assignor to Standard Coin Wrappers, Inc., Boston, Mass. Coin package. 1,536,481; May 5.
Dickie, William A. (See Bader, W., and Dickie.)
Dietrich, Frederick, Flushing, and E. Bergman, New York, N. Y., assignors to C. Brandes, Inc. Telephone receiver. 1,536,482; May 5.
Dietze, Emil, Richmond Hill, assignor to American Casting and Manufacturing Corporation, Brooklyn, N. Y. Car seal. 1,536,822; May 5.
Di Millo, Luigi, Buffalo, N. Y. Mandolin. Des. 67,190; May 5.
Dinhofer, Julius, New York, N. Y. Tags for finger rings. 1,536,260; May 5.
Disston, Henry, & Sons, Incorporated. (See Freas, S. T., and Tretch, assignors.)
Dittman, Samuel E., Chicago, Ill. Tympan sheet for printing presses. 1,536,333; May 5.
Dobson, Albert, St. Lambert, Quebec, Canada. Undercar waste bowl. 1,536,823; May 5.
Dodd, Riley M., and J. A. McVay, Torrance, Calif. Motor-control mechanism. 1,536,779; May 5.
Donnelly, James A., Brooklyn, N. Y. Valve for trapped systems. 1,536,571; May 5.
Domizi, David F., Cleveland, Ohio. Rear-axle center. 1,536,824; May 5.
Domizi, David F., Cleveland, Ohio. Brake-actuating mechanism for motor vehicles. 1,536,825; May 5.
Dorakdjain, Hovanness, East Watertown, Mass. Rat trap. 1,537,036; May 5.
Dorlety, William, and C. MacArthur, Paterson, N. J. Terry loom. 1,536,194. May 5.
Dougherty, Robert J., Philadelphia, Pa. Thermostatically-controlled fuel valves. 1,536,826; May 5.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,536,082; May 5.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,536,083; May 5.
Douglas, Harry A., Bronson, Mich. Cowl lamp. 1,536,084; May 5.
Douglas, Harry A., Bronson, Mich. Headlamp. 1,536,085; May 5.
Douglas, Harry A., Bronson, Mich. Electric switch. 1,536,086; May 5.
Douglas, Leon A., Windsor, Ontario, Canada. Surgical instrument. 1,536,195; May 5.
Douglass, Roy D., Minneapolis, Minn. Spring compressor. 1,536,386; May 5.
Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Skimmer-scoop assembly. 1,536,390; May 5.
Downs, Edward T., Chicago, Ill. Lamp bowl. Des. 67,191; May 5.
Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Loom. 1,536,827; May 5.
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Drescher, Theodore B., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Making toric lenses and lens blanks. 1,536,828; May 5.
Droishammer, Ivar, Drammen, Norway. Railway brake. 1,536,572; May 5.
Drysdale, John W. W., and J. Young, assignors to Drysdale & Company, Limited, Yoker, near Glasgow, Scotland. Centrifugal pump. 1,536,573; May 5.
Drysdale & Company, Limited. (See Drysdale, J. W. W., and Young, assignors.)
Dubraks, Joseph W., Houston, Tex. Bread compound. 1,537,043; May 5.
Dugan, Thomas J. (See A Brassard, Henry, assignor.)
Duke, Calvin F., assignor to Central Machine Works, Indianapolis, Ind. Truck skid. 1,536,611; May 5.
Du Mond, Jesse W. M., Pasadena, Calif. 1,536,574; May 5.
Duncan Electric Manufacturing Company. (See Harris, Jesse, assignor.)
Dura Company, The. (See Wilson, Herbert, assignor.)
Dyer, Harry W., New York, N. Y. Revolving door. 1,536,196; May 5.
Dyer, Harry W., New York, N. Y. Speed governor for revolving doors. 1,536,197; May 5.
Dyer, Harry W., New York, N. Y. Exit-door lock. 1,536,829; May 5.
Dykes, John L. G., Chicago, Ill. Process and apparatus for vulcanizing articles. 1,536,087; May 5.
Eagle Engineering Company, The. (See Pfeifer, Ferdinand A., assignor.)
Eames, Kenneth R., Worcester, Mass. Toy hand grenade. 1,536,261; May 5.
Earp, J. Russel. (See Silverman, Benjamin, assignor.)
Eastern Engineering Corporation, The. (See Carter, George E., assignor.)
Eastman, Floyd K., assignor to Concealed Door Check Company, Kokomo, Ind. Doorcheck. 1,536,391; May 5.
Eastman Kodak Company. (See Farrow, Edward S., jr., assignor.)
Eastman Kodak Company. (See Folmer, William F., assignor.)
Eastman Kodak Company. (See Hodgson, Millard B., assignor.)
Eastman Kodak Company. (See Jones, J. G., and Devey, assignors.)
Eastman Kodak Company. (See Lovejoy, Frank W., assignor.)
Eastman Kodak Company. (See Ramsey, Julian A., assignor.)
Eastman Kodak Company. (See Robertson, John A., assignor.)
Eastman Kodak Company. (See Seel, Paul C., assignor.)
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. System and switch for controlling electric translating devices. 1,536,830; May 5.
Eberling, Charles M., assignor to The Eberling Machines Sales Company, Cleveland, Ohio. Concrete-mixing apparatus. 1,537,026; May 5.
Eberling Machines Sales Company, The. (See Eberling, Charles M., assignor.)
Eckel, Edwin C., Washington, D. C. Making iron and cement. 1,536,381; May 5.
Eckel, Edwin C., Washington, D. C. Making iron and cement. 1,536,382; May 5.
Egry Register Company, The. (See Johnson, Arthur A., assignor.)
Egry Register Company, The. (See Neth, George J., assignor.)
Ekstedt, Gustav A., and N. Schmeeser, De Beque, Colo. Shale-oil eduction retort. 1,536,831; May 5.
Electric Fruit Marking Co. (See Ahlburg, Frank, assignor.)
Electric Outlet Company. (See White, Ernest C., assignor.)
Electric Service Supplies Company. (See Englund, Axel H., assignor.)
Electric Water Steriliser and Ozone Company. (See Hartman, Frank E., assignor.)
Electric Water Steriliser & Ozone Company. (See Hartman, Harry B. and F. E., assignors.)
Electro-Alloys Company, The. (See Lavagnino, Emanuel, assignor.)
Elias, Joseph, et al. (See Davis, Meyer, assignor.)
Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway car. 1,536,287; May 5.
Elliott, Wilbert N., assignor to The N. Slater Company, Limited, Hamilton, Ontario, Canada. Track support. 1,536,483; May 5.
Ellis Adding-Typewriter Company. (See Bernau, Frederick W., assignor.)
Ellis, Carleton, Montclair, N. J. Heat reactive plastic. 1,536,881; May 5.
Ellis, Carleton, Montclair, N. J. Molding composition. 1,536,882; May 5.
Ellis-Foster Company. (See Weber, Harry M., assignor.)
Emerson-Brantingham Company. (See Traphagen, Harry R., assignor.)
Emery, I. C., assignor to Chapman Self Locking Nut Company, Baltimore, Md., trustee of common law estate, Lock-nut pinching machine. 1,536,198; May 5.
Emery, Le Roy F., assignor to A. Hamilton, Brockton, Mass. Cork-sole welt. 1,536,575; May 5.
Emmerich, Frank J. J., Salina, Kans. Milk-bottle receiver and retainer. 1,536,883; May 5.
Emmons, Ray D., Ashland, Ohio. Ice-cream-dishing device. 1,536,199. May 5.
Emrick, Bert R., Nyaunghia, Upper Burma, India. Casing spear. 1,536,664; May 5.
Englund, Axel H., assignor to Electric Service Supplies Company, Philadelphia, Pa. Headlight. 1,536,088; May 5.
Ensign, Orville H., Pasadena, Calif. Automotive engine art. 1,536,780; May 5.
Enterprise Railway Equipment Company. (See Campbell, Argyle, assignor.)
Epstein, Samuel I., Brooklyn, N. Y. Candy unit. Des. 67,192; May 5.
Epstein, Samuel I., Brooklyn, N. Y. Candy unit. Des. 67,193; May 5.
Epstein, Samuel I., Brooklyn, N. Y. Candy unit. Des. 67,194; May 5.
Erdman, Albert W. (See Vokal, P. F., and Erdman.)
Ernst, Otto, and H. Wahl, assignors to Farbwerke vorm. Meister Lucius & Bruning. Hochst-on-the-Main, Germany. Chlorinating benzene. 1,536,706; May 5.
Esselen, Henry M., Roslindale, Boston, Mass. House-heating system. 1,536,484; May 5.
Essendee Corporation. (See Short, Enel I., assignor.)
Evans, Albert E., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Fluid-cooled roll. 1,536,832; May 5.

Fagan, John T., and F. J. Rippl, Cleveland, Ohio, assignors to General Electric Company. Tube-feeding apparatus. 1,536,833; May 5.
Fanning, John T., Moonee Ponds, Victoria, Australia. Means for reinforcing toilet and other combs. 1,536,485; May 5.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Gorke, Herbert, assignor.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Hahl, Hans, assignor.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Heusner, K., and Simon, assignors.)
Farbwerke vorm., Meister Lucius & Bruning. (See Ernst, O., and Wahl, assignors.)
Fargo, Frank M., Evanston, Ill. Collapsible back rest. 1,536,665; May 5.
Farmers' Loan and Trust Company, executor. (See Hewitt, Peter C.)
Farrow, Edward S., jr., assignor to Eastman Kodak Company, Rochester, N. Y. Recovering acetic values from a cellulose-acetate mixture. 1,536,334; May 5.
Fay, James T. (See Grasberger, L. B., and Fay.)
Federated Engineers' Development Corporation. (See Potter, Thomas I., assignor.)
Feis, William, Elberta, Ala., assignor to M. Nydegger, Elisabeth, N. J. Pattern-control mechanism for knitting machines. 1,536,200; May 5.
Felton, Alfred, Newburgh, N. Y. Mower. 1,536,428; May 5.
Ferdon, Edwin N., St. Paul, Minn., assignor to The Blanchard Company, Aurora, Ill. Calendar. 1,536,429; May 5.
Fetherolf, Stephen B., Cincinnati, Ohio. Towel-service device. 1,536,707; May 5.
Fields, Carl B., San Francisco, Calif. Caliper. 1,536,576; May 5.
Fine, Bernard M., Philadelphia, Pa. Press. 1,536,201; May 5.
Fink, John H. (See Benner, R. C., and Fink.)
Fiorini, Steve, and A. Zaninelli, Avella, Pa. Spring and shock absorber. 1,536,884; May 5.
Firestone Tire and Rubber Company, The. (See Stevens, William C., assignor.)
Fischer, Hermann, New York, N. Y., assignor to C. Brandes, Inc. Telephone diaphragm. 1,536,486; May 5.
Fischer, Louis, Philadelphia, Pa., assignor to Wright's Automatic Tobacco Packing Machine Company, Durham, N. C. Labeling machine. 1,536,781; May 5.
Fisher, H. L., Mfg. Co. (See Fisher, Milan H., assignor.)
Fisher, Milan H., assignor to H. L. Fisher Mfg. Co., Inc., Chicago, Ill. Stereotyper's casting machine. 1,536,089; May 5.
Fisk Rubber Company, The. (See Neal, F. G., and Logan, assignors.)
Fitzgerald, Harry. (See Icard, L. D., and Fitzgerald.)
Fitzgibbon, John E., assignor to Phoenix Hosiery Company, Milwaukee, Wis. Hosiery. Des. 67,195; May 5.
Flesch, Leo, Elberfeld, Germany. Roller bearing. 1,536,487; May 5.
Focke, Walter E., Dayton, assignor to The Cincinnati Butchers' Supply Company, Cincinnati, Ohio. Method of trimming heads and apparatus therefor. 1,536,782; May 5.
Foisy, George A., assignor to United States Cartridge Company, Lowell, Mass. Method and apparatus for testing tubes and other hollow articles. 1,536,090; May 5.
Folmer, William F., assignor to Eastman Kodak Company, Rochester, N. Y. Air-pressure film holder for aviation cameras. 1,536,335; May 5.
Foote, Thomas W., Cleveland, Ohio. Chair base. Re16,064; May 5.
Forni, Natale, Oakland, Calif. Water-meter box. 1,537,008; May 5.
Foster, Charles B., Indianapolis, Ind. Concrete construction. 1,536,202; May 5.
Foster, George H. (See Gosper, Amos, assignor.)
Fox, George J., Frankford, Pa. Plunger sash-weight-molding apparatus. 1,536,834; May 5.
Franklin, Granvel, Flint, Mich. Rack. 1,536,885; May 5.
Franz, Joseph P., Knoxville, assignor of one-third to P. S. Chess, Pittsburgh, Pa. Wall structure. 1,536,666; May 5.
Freas, Samuel T., Trenton, N. J., and W. E. Tretch, assignors to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Ice saw. 1,536,783; May 5.
Fredsell, Charles R., Newark, N. J. Magazine for labeling machines. 1,536,835; May 5.
Fredsell, Charles R., Newark, N. J. Label-wiping station. 1,536,836; May 5.
Fredsell, Charles R., Newark, N. J. Label-wiping station. 1,536,837; May 5.
Freedlander, Abraham L., and W. G. Goodwin, assignors to The Rubber Development Company, Dayton, Ohio, a trust estate. Manufacture of rubber compound. 1,536,288; May 5.
Freeman, William E., Shickshinny, Pa. Antiskid device. 1,536,886; May 5.
French, Arthur G., Altrincham, assignor to Linotype and Machinery Limited, London, England. Means for attaching ropes or cables to winding drums. 1,536,383; May 5.
Fried. Krupp Aktiengesellschaft Grusonwerk. (See Ullrich, Georg, assignor.)
Frisch, Emile, Chicago, Ill. Sheet of wrapping paper. Des. 67,196; May 5.
Fritz, Alexander. (See Fritz, Stanley and A.)
Fritz, Emil F. L., Chicago, Ill. Trolley. 1,536,488; May 5.
Fritz, Stanley and A., Manayunk, Philadelphia, Pa. Ventilated hat. 1,536,577; May 5.
Fry, Jacob R., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,536,784; May 5.
Frydenlund, Nieman A., Sun Prairie, Wis. Paint mixer. 1,536,203; May 5.
Fuller, Robert L. (See Hartman, J. Y., and Fuller.)
Fulton, John H. (See Mehls, Frederick W., assignor.)
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Rotary transmission means. 1,536,091; May 5.
Furedy, Frank, New York, N. Y. Adjustable writing implement. 1,536,430; May 5.
Fussner, George, Menominee, Mich., assignor to Signal Electric Mfg. Co. Circuit interrupter. 1,536,336; May 5.
G. F. H. Corporation, The. (See Higinbotham, Arthur O., assignor.)
Gabriel Steel Company. (See Wall, Frank E., assignor.)
Gair, Robert, Company. (See Tinsley, Edward O., assignor.)
Gallon Iron Works & Mfg. Co. The. (See Arndt, Franklin E., assignor.)
Gallon Metallic Vault Company, The. (See Gay, J. C., Smith, and Quirk, assignors.)
Gata, John B., assignor to A. M. Seales, Chicago, Ill. Valve. 1,536,289; May 5.
Gawronski, Joseph, Seattle, Wash. Shoe-cap protector. 1,536,204; May 5.
Gay, John C., R. E. Smith, and H. J. Quirk, assignors to The Gallon Metallic Vault Company, Gallon, Ohio. Power dump body. 1,536,290; May 5.
Gebr. Stäubli & Co. (See Bischof, Ulrich, assignor.)
Gehring, Henry, Cleveland, Ohio. Fountain for dispensing beverage. Des. 67,197; May 5.
Geisenhöner, Henry, Schenectady, N. Y., assignor to General Electric Company. Spot-welding machine. 1,536,838; May 5.
General Electric Company. (See Akeroyd, Julius A., assignor.)
General Electric Company. (See Bower, George W., assignor.)
General Electric Company. (See Brand, Frederick F., assignor.)
General Electric Company. (See Christensen, Christen, assignor.)
General Electric Company. (See Clarkson, William B., assignor.)
General Electric Company. (See Devers, Philip K., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Fagan, J. T., and Rippl, assignors.)
General Electric Company. (See Geisenhöner, Henry, assignor.)
General Electric Company. (See Harrison, W., and Waterbury, assignors.)
General Electric Company. (See Heisler, Charles L., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Miller, Levi B., assignor.)
General Electric Company. (See Probst, Emil, assignor.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Electric Company. (See Thomson, Elihu, assignor.)
General Electric Company. (See Wilkinson, James, assignor.)
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Heater Company. (See Lyons, Harry J., assignor.)
General Rubber Company. (See Keen, Alexis W., assignor.)
George, Jerome B., assignor to Morgan Construction Company, Worcester, Mass. Method of and apparatus for cooling and annealing metal bars. 1,536,206; May 5.
Geschickter, Charles F., Washington, D. C. Window screen. 1,536,489; May 5.
Geschickter, Charles F., Washington, D. C. Door and window screen hinge. 1,536,490; May 5.
Gibson, George H., Montclair, N. J. Flow-proportioning apparatus. 1,537,044; May 5.
Gibson, John H. (See Baker, P. C., and Gibson.)
Gibson, Percy O., assignor to Kokomo Stamped Metal Co., Kokomo, Ind. Ball-bearing wheel. 1,536,287; May 5.
Gilbert, William H. (See White, William J., assignor.)
Gilbert, William N., assignor to International Scale Company, Dayton, Ohio. Pendulum scale. 1,536,206; May 5.
Gillis, George H., North Abington, Mass. Shoe. 1,536,839; May 5.

Giraud, André J. A., Neuilly-sur-Seine, France. Ash tray. 1,536,392; May 5.
Gisholt Machine Company. (See Miller, Ralph J., assignor.)
Glamzo, Paul, New York, N. Y. Wire connecter. 1,536,338; May 5.
Gleason, Marshall W., and C. G. Miller, assignors to Gleason-Tiebout Glass Company, Brooklyn, N. Y. Glass leer. 1,537,027; May 5.
Gleason-Tiebout Glass Company. (See Gleason, M. W., and Miller, assignors.)
Glenn, Iva B., et al. (See Williams, Arthur J., assignor.)
Glenn, William F., jr., et al. (See Williams, Arthur J., assignor.)
Glessner, Charles E., Portland, Oreg. Dehydrating. 1,536,291; May 5.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Bobeche or adapter for lighting fixtures. Des. 67,198; May 5.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Lighting-fixture ring. Des. 67,199; May 5.
Goeser, Edwin W., Los Angeles, assignor to Union Tool Company, Torrance, Calif. Brake-drum construction. 1,536,667; May 5.
Gold, Egbert H., Chicago, Ill. Coupler. 1,536,785; May 5.
Gold, Louis M. (See Wilson, G. F., and Gold.)
Goldberg, Sam, Manufacturing Company. (See Thomas, John E., assignor.)
Goldman, Sigmund L., Chicago, Ill. Gas-venting device. 1,536,668; May 5.
Goodman Manufacturing Company. (See Davis, Charles E., assignor.)
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodrich, B. F., Company, The. (See Davidson, Elias E., assignor.)
Goodrich, B. F., Company, The. (See Straub, John M., assignor.)
Goodwin, William G. (See Freedlander, A. L., and Goodwin.)
Goodyear Tire & Rubber Company. (See Convery, John J., assignor.)
Goodyear Tire & Rubber Company, The. (See Lewis, Warren K., assignor.)
Goodyear Tire & Rubber Company, The. (See Upson, Ralph H., assignor.)
Goodyear Tire & Rubber Company, The. (See Young, Charles W., assignor.)
Gordon, William E., assignor to North East Electric Company, Rochester, N. Y. Printing machine. 1,536,207; May 5.
Gorke, Herbert, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne, Germany. Producing sulphuryl chloride. 1,536,708; May 5.
Gormly, Charles W., Mount Morris, assignor to C. Woods, Buffalo, N. Y. Lawn mower. 1,536,481; May 5.
Gorr, Louis L., San Jose, Calif. Fluid heater. 1,536,786; May 5.
Gosper, Amos, Camperdown, near Sydney, assignor to G. H. Foster, Marrickville, near Sydney, New South Wales, Australia. Expansible boring tool. 1,536,208; May 5.
Goss Printing Press Company. (See Walser, J. J., and Henni, assignor.)
Government of the United States. (See Craven, Francis, assignor.)
Grace, John F., Kearny, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Engine valve. 1,536,787; May 5.
Grady, Thomas, Chicago, Ill. Manually-propelled vehicle. 1,536,788; May 5.
Graham Brothers. (See Neely, William H., assignor.)
Graham, Clarence T., Ridgefield, N. J. Guard for cloth-folding machines. 1,536,709; May 5.
Graham Glass Company, The. (See Lents, John M., assignor.)
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Graham, Sidney W. (See Devlin, W. F. C., and Graham.)
Grant, Clara, St. Louis, Mo. Heated comb. 1,536,669; May 5.
Grasberger, Lawrence B., and J. T. Fay, Richmond, Va. Paper-feeding device. 1,536,670; May 5.
Gratrick, William J. (See Anderson, E. G., and Gratrick.)
Grebe, Alfred H., Hollis, N. Y. Panel mounting for variable-circuit elements. 1,536,840; May 5.
Green, John D., assignor of one-half to W. E. Maurer, Ypsilanti, Mich. Truing device for grinder wheels. 1,536,209; May 5.
Greene, Augustine E., Willimantic, Conn. Radiorheostat. 1,536,710; May 5.
Greene, Robert C., Washington, D. C. Cuff holder. 1,536,210; May 5.
Gregory, Oscar T., Chicago, Ill., assignor of one-half to Pettit, Pittsburgh, Pa. Adjustable sling for handle grips. 1,536,211; May 5.
Grether Fire Equipment Company, The. (See Yost, Henry W., assignor.)
Griffith, Charles A., Knoxville, Tenn. Railway. 1,536,789; May 5.
Groehll, Joseph A., New York, N. Y. Fabric feeder for bead-sewing machines. 1,536,578; May 5.
Groehli, Joseph A., New York, N. Y. Sewing machine. 1,536,579; May 5.
Groehli, Joseph A., New York, N. Y. Separator for bead-sewing machines. 1,536,580; May 5.
Groehli, Joseph A., New York, N. Y. Bead-sewing machine. 1,536,790; May 5.
Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,200; May 5.
Grossman, Samuel, et al. (See Soman, Michael E., assignor.)
Grossmann, Hans, Zurich, Switzerland. Lighter. 1,536,671; May 5.
Gunderoth, Charles J., Copperhill, Tenn. Pebble mill. 1,536,491; May 5.
Gunn, Earl G., assignor to Packard Motor Car Company, Detroit, Mich. Power-transmission mechanism. 1,536,339; May 5.
Gunn, John K., and C. A. Schmidt, Utica, N. Y. Weighing scale. 1,536,212; May 5.
Gunst, Melville A., New York, N. Y., assignor to Melville A., Gunst Costume Co. Textile fabric. Des. 67,201; May 5.
Gunst, Melville A., New York, N. Y., assignor to Melville A. Gunst Costume Co. Textile fabric. Des. 67,202; May 5.
Gunst, Melville A., New York, N. Y., assignor to Melville A. Gunst Costume Co. Textile fabric. Des. 67,203; May 5.
Gunst, Melville A., New York, N. Y., assignor to Melville A. Gunst Costume Co. Textile fabric. Des. 67,204; May 5.
Gunst, Melville A., Costume Co. (See Gunst, Melville A., assignor.)
Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Trolley and signal wire hanger. 1,536,841; May 5.
Guy, Henry L., Manchester, and P. L. Jones, Ashton-on-Mersey, England, assignors, by mesne assignments to Westinghouse Electric and Manufacturing Company. Power-transmission gearing. 1,536,092; May 5.
Guyton & Cumfer Mfg. Co. (See Cumfer, Harry A., assignor.)
Hacker, Horace W., assignor to Hacker Manufacturing Co., Chicago, Ill. Printing press. 1,536,093; May 5.
Hacker Manufacturing Co. (See Hacker, Horace W., assignor.)
Hackett, William J., Jamestown, N. Y. Asphalt-pavement-cutting machine. 1,536,178; May 5.
Hadaway, William S., jr., New Rochelle, N. Y. Vapor electric heating equipment. 1,536,094; May 5.
Hagey, George. (See Keller, Augustus H., assignor.)
Hagman, Edwin V., Watertown, Mass. Speed-increasing device. 1,537,009; May 5.
Hahl, Hans, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Complex sodium bismuth salt of triglycollamic acid. 1,536,711; May 5.
Haines, Claude I., and J. S. Bower, Aledo, Ill. Train-stopping device. 1,536,095; May 5.
Halbert, Mary P., St. Paul, Minn. Weather strip for doors and windows. 1,536,842; May 5.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Company, Philadelphia, Pa. Skip-hoist and tram-car operating means. 1,536,432; May 5.
Haley, Benjamin F., West Palm Beach, Fla. Rabbeting plane. 1,536,096; May 5.
Haley, Ross B., and E. G. Zinn, Los Angeles, Calif.; said Haley assignor to said Zinn. Food product. 1,536,791; May 5.
Hall, Alice A. (See Reed, Charles J., assignor.)
Hall, Thomas H., Swarthmore, Pa., assignor to The Barrett Company. Disinfectant. 1,536,843; May 5.
Halliwell, John J., Mount Vernon, assignor to R. Hoe and Co., New York, N. Y. Folding mechanism. 1,536,581; May 5.
Hallowell, John W. (See McGrath, P. J., and Hallowell.)
Halvorsen, Arthur L., assignor to Roessler & Hasslacher Chemical Company, Perth Amboy, N. J. Process and apparatus for manufacturing hydrogen peroxide. 1,536,213; May 5.
Hamilton, Ashton. (See Emery, Le Roy F., assignor.)
Hamilton Manufacturing Company, The. (See Suddard, Thomas W., assignor.)
Hammerl, Jacob, assignor to Packard Motor Car Company, Detroit, Mich. Motor vehicle. 1,536,340; May 5.
Hancock, John W., Denver, Colo. Electric-light fixture. Des. 67,205; May 5.
Handlan, Alexander H., St. Louis, Mo. Lantern frame. 1,536,292; May 5.
Hanier, Leland S. (See Deakins, G. C., and Hanier.)
Hanna, William T., Cincinnati, Ohio. Automatic stoker. Re16,065; May 5.
Hardwick & Magee Company. (See Ulmer, Harry, assignor.)
Harris Calorific Company, The. (See Harris, John, assignor.)
Harris, George H., Stockton, Calif. Brace construction for headers. 1,536,293; May 5.
Harris, Jesse, assignor to Duncan Electric Manufacturing Company, La Fayette, Ind. Maximum-demand meter. 1,536,097; May 5.

Harris, John, Lakewood, assignor to The Harris Calorific Company, Cleveland, Ohio. Apparatus for cutting metals. 1,536,384; May 5.

Harrison, Ward, and J. H. Waterbury, Cleveland, Ohio, assignors to General Electric Company. Lighting unit. 1,536,844; May 5.

Hartman, Frank E., assignor to Electric Water Steriliser and Ozone Company, Scottdale, Pa. Generating ozone. 1,536,179; May 5.

Hartman, Frank E. (See Hartman, Harry B. and F. E.)

Hartman, Harry B., and Frank E. Hartman, assignors to Electric Water Steriliser & Ozone Company, Scottdale, Pa. Eductor. 1,536,180; May 5.

Hartman, Jacob Y., New Orleans, and R. L. Fuller, Arabi, assignors of one-third to W. H. Cook, New Orleans, La. Voltage-regulating means for direct-current generators. 1,536,845; May 5.

Hartman, Milo. (See Wolters, H., and Hartman.)

Hartman Trunk Company. (See Rasmussen, Martin, assignor.)

Hartman, William W., Los Angeles, Calif. Pipe-perforating machine. 1,536,433; May 5.

Harvey, Leaman S. (See Mullen, J., and Harvey.)

Harwood, James A., Wheatland, Wyo. Automatically-adjusting beet topper. 1,536,492; May 5.

Haskell, Broderick, Franklin, Pa. Brake-beam support. 1,537,028; May 5.

Haskell, Broderick, Franklin, assignor to Davis Brake Beam Company, Johnstown, Pa. Securing brake-beam supports to spring planks. 1,537,029; May 5.

Hassinger, Louis. (See Trageser, A. H., and Hassinger.)

Hastings, Benjamin J., Taunton, assignor to Hastings Signal & Equipment Company, Boston, Mass. Holder for railway bridge warnings. 1,536,214; May 5.

Hastings Signal & Equipment Company. (See Hastings, Benjamin J., assignor.)

Hatashita, Seso. (See Winsor, J. G., and Hatashita.)

Hausman, Morris, Scranton, Pa. Clothesline. 1,536,493; May 5.

Heap, Jesse J., New York, N. Y., assignor to Union Special Machine Company, Chicago, Ill. Sewing machine for forming concealed stitches. 1,536,385; May 5.

Hearn, Walter A., Baltimore, Md. Antislipping device for ladders. 1,536,434; May 5.

Heath, Harry H., and A. J. Mottlau, Far Rockaway, N. Y. Ventilator blower fan. 1,536,846; May 5.

"Heb" Manufacturing Company. (See Billings, Herbert E., assignor.)

Hebnly, Frank K., Madera, Pa. Telephone-receiver attachment. 1,536,712; May 5.

Heichert, Herman S., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-polishing apparatus. 1,536,847; May 5.

Hein, George N., San Francisco, Calif. Operating and retaining means for pivotally-mounted bodies. 1,536,386; May 5.

Heine Boiler Company. (See Cotton, Alfred, assignor.)

Heisler, Charles L., Schenectady, N. Y., assignor to General Electric Company. Electric heater. 1,537,035; May 5.

Heller, Perry O., Prophetstown, Ill. Strainer. 1,536,848; May 5.

Heller, Perry O., Prophetstown, Ill. Draft equalizer. 1,536,849; May 5.

Hellmann, Lui F., and W. W. Baxter, Indianapolis, Ind. Automatic brake. 1,536,393; May 5.

Hemphill Company. (See Jones, Frank E., assignor.)

Hendrick Manufacturing Company. (See Tappen, A., B., and Mitchell, assignors.)

Hendricks, William H., New Haven, Conn. Washing apparatus. 1,536,215; May 5.

Henkes, Augustus, Rotterdam, Netherlands, assignor to Improved Whaling Limited, Liverpool, England. Projectile for use in catching whales and other mammals. 1,536,494; May 5.

Hennessey, John F., Flushing, assignor to Phinney-Walker Company, New York, N. Y. Clock winding mechanism. 1,536,850; May 5.

Henry, Mary L., Jacksonville, Ill. Hair curler. 1,536,387; May 5.

Hensl, Albert A. (See Walser, J. J., and Hensl.)

Hepworth, S. S., Company. (See Olcott, Charles A., assignor.)

Herbert, John W. (See Andrews, J. A., and Herbert.)

Herschmann, Frederick, New York, N. Y. Collapsible tube. 1,537,010; May 5.

Heusner, Karl, and M. Simon, assignors, to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Preparation of diazo derivatives of aminoazo compounds. 1,536,713; May 5.

Hewitt, Peter C., deceased, Ringwood Manor, N. J.; The Farmers' Loan and Trust Company, executor. Internal-combustion engine. 1,536,851; May 5.

Heyman, Albert A., assignor to The Universal Cigar Machinery Co., Inc., Baltimore, Md. Method of and apparatus for feeding tobacco to cigar machines. 1,536,216; May 5.

Higinbotham, Arthur O., Worcester, Mass., assignor to The G. F. H. Corporation, Denver, Colo. Tractor draft rigging. 1,536,217; May 5.

Hill, Edward W., Chicago, Ill. Loose-leaf ledger. 1,536,495; May 5.

Hill, Frederick S., Glendale, Calif. Piston-ring compressor. 1,536,496; May 5.

Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,536,852; May 5.

Hinkle, Walter F. (See Hopkins, C. L., and Hinkle.)

Hitchcock, Everett S., Richmond, Va., assignor of one-half to A. D. Woods, Hudson, N. C. Repair part for wheel scrapers. 1,536,853; May 5.

Hjerpe, Carl F., Jamestown, N. Y. Talking machine. 1,537,045; May 5.

Hobbs, Ernest H., Washington, D. C. Game. 1,536,672; May 5.

Hobbs, Horton H., Alachua, Fla. Lock for air valves. 1,536,388; May 5.

Hodgson, Millard B., assignor to Eastman Kodak Company, Rochester, N. Y. Dental X-ray-film package. 1,536,341; May 5.

Hoe, R., and Co. (See Halliwell, John J., assignor.)

Hoffman Heater Company, The. (See Reinecke, John P., assignor.)

Hoffmann, Arthur N., assignor to The Lionel Corporation, New York, N. Y. Toy electric-railway construction. 1,537,011; May 5.

Hoke, William E., St. Louis, Mo., assignor to Pratt & Whitney Company, New York, N. Y. Apparatus for and method of making similar articles. 1,536,714; May 5.

Holberg, Elizabeth, executrix. (See Holberg, Frank C., jr.)

Holberg, Frank C., jr., deceased, Philadelphia, Pa.; E. Holberg, executrix. Interlocking device for elevators. 1,536,342; May 5.

Holberg, Frank C., jr., deceased, Philadelphia, Pa.; E. Holberg, executrix. Interlocking device for elevators. 1,536,343; May 5.

Holderle, Carl L. (See Holderle, Frederick W. and C. L.)

Holderle, Frederick W. and C. L., Rochester, N. Y. Beverage-dispensing device. 1,536,854; May 5.

Holley, Earl. (See Meloche, Daniel H., assignor.)

Holley, George M. (See Meloche, Daniel H., assignor.)

Holley, George M. (See Norton, Oliver G., assignor.)

Holley, George M. (See Udale, S. M., and Meloche, assignors.)

Hookey, Samuel C. (See Caugherty, W. E., and Hookey.)

Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hopkins, Charles L., River Forest, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric switch. 1,536,294; May 5.

Hopkins, Charles L., River Forest, and W. F. Hinkle, assignors to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical switch. 1,536,295; May 5.

Horvath, Geza, Detroit, Mich. Milk can or container. 1,536,497; May 5.

Horvath, Geza, Detroit, Mich. Expansible internal smoothing tool. 1,536,498; May 5.

Horvath, Geza, Detroit, Mich. Oil cooling and heating system. 1,536,499; May 5.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Electron-discharge device. 1,536,855; May 5.

Howard, Alonzo, Chicago, Ill. Ignition-controlling apparatus. 1,536,582; May 5.

Howard, Arthur C., G. E. Brittan, and J. A. Cook, Pharr, Tex. Burner for orchard heaters or the like. 1,536,792; May 5.

Howard, Nathan L., Spokane, Wash. Wire stretcher. 1,536,389; May 5.

Howe, Everett W., Boston, Mass. Shade holder for lighting fixtures. 1,536,500; May 5.

Howse, Benjamin F., Cary, Miss. Rail. 1,536,856; May 5.

Huckel, Carl, Neutitschein, Moravia, Czechoslovakia. Weighing machine for locomotives, railway wagons, and other vehicles. 1,536,715; May 5.

Hudson, Alexander M., assignor to M. A. Rice, New York, N. Y. Mold for making rubber masks or face pieces for respirators, inhalers, and similar articles. 1,536,857; May 5.

Hulse, Edward P., Westfield, N. J., assignor to American Type Founders Company. Printer's quoin key. 1,536,344; May 5.

Hummert, Robert H., assignor to The S. H. Thomson Manufacturing Company, Dayton, Ohio. Radiator cap. Des. 67,206; May 5.

Humphrey, Raleigh, assignor to American Automatic Heating Company, Chicago, Ill. Hydrocarbon burner. 1,536,583; May 5.

Humphries, Chad H., assignor to Udylite Process Company, Kokomo, Ind. Electrodepositing bright polished coats of cadmium. 1,536,858; May 5.

Humphries, Chad H., assignor to Udylite Process Company, Kokomo, Ind. Electroplating. 1,536,859; May 5.

Hunt, Raymond E., Cleveland, Ohio. Toy boat. Re-16,059; May 5.

Hurst, Lindsay R., Louisville, Ky. Laundry apparatus. 1,536,218; May 5.

Husted, Don C., Marshall, Okla. Magneto post. 1,536,584; May 5.

Hygienic Tube Company. (See Lermer, Herman B., assignor.)

Icard, Lydia D., and H. Fitzgerald, Barboursville, W. Va. Direction indicator for vehicles. 1,536,501; May 5.

Ide, André, Antwerp, Belgium. Changeable-speed gear transmission. 1,536,181; May 5.

Illinois Tool Works. (See Olson, Carl G., assignor.)

Improved Whaling Limited. (See Henkes, Augustus, assignor.)

Ingebrigtsen, Ralph L., Aberdeen, Wash. Glareshield for automobiles. 1,536,793; May 5.

Ingersoll-Rand Company. (See Brackett, John C., assignor.)

Ingersoll-Rand Company. (See Nusim, Melach J., assignor.)

Innes, George, Davenport, Iowa. Grain shocker. 1,536,794; May 5.

International Motor Company. (See Leipert, August H., assignor.)

International Patents Development Company. (See Merrill, Joseph J., assignor.)

International Scale Company. (See Gilbert, William N., assignor.)

Irish, David J. (See Strachan, C., and Irish.)

Jackson, James M., Parkersburg, W. Va. Floor board. 1,536,182; May 5.

Jacobson, Peter G., Chicago, Ill. Condenser. 1,536,860; May 5.

Jacobus, Edward, Montclair, N. J. Thermostatic vent valve for radiators. 1,536,861; May 5.

Jaeger, Henry G., Rose Hill, assignor of one-fourth to E. R. Lambertson, one-fourth to G. P. Clements, Eagle Rock City, and one-fourth to J. Schneider, Los Angeles, Calif. Preparing plastic composition suitable for fiber flooring. 1,536,098; May 5.

Jaeger, Henry G., Rose Hill, assignor of one-fourth to E. R. Lamberston, one-fourth to G. P. Clements, Eagle Rock City, and one-fourth to J. Schneider, Los Angeles, Calif. Preparing a decorative facing. 1,536,099; May 5.

Jamieson, Ivan W., Palms, Calif. Lathing strip. 1,536,862; May 5.

Jancke, Benno F., Brooklyn, N. Y. Coil support for high-tension devices. 1,537,012; May 5.

Jeffers, Clarence E., assignor to H. C. Marmon, Indianapolis, Ind. Oiling system. 1,537,013; May 5.

Jessen, Christian. (See Schulz, P. H., and Jessen.)

Jockmus, Charles H. (See Armbrust, Charles W., assignor.)

John, Ernest, Ardmore, Pa. Book and method of binding the same. 1,536,100; May 5.

Johnson, Arthur A., New York, N. Y., assignor to The Egry Register Company, Dayton, Ohio. Autographic register. 1,536,101; May 5.

Johnson, Arthur A., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,536,586; May 5.

Johnson, Axel, Oakland, Calif. Washing machine. 1,536,585; May 5.

Johnson, Frederick G. L., Westminster, assignor to Vickers Limited, London, England. Shell fuse. 1,536,219; May 5.

Johnson, Howard A., assignor to J. G. Wilson Corporation, Norfolk, Va. Air-chamber fire door. 1,536,587; May 5.

Johnson, John W., Waycross, Ga. Wall construction. 1,536,673; May 5.

Johnston, James E., assignor to Detroit Creamery Company, Detroit, Mich. Refrigerating apparatus. 1,536,394; May 5.

Jones, Charles, Geelong, Victoria, Australia. Rail tie. 1,536,674; May 5.

Jones, Charles F., Newton Heath, Manchester, England. Means for moistening wraps during weaving. 1,536,502; May 5.

Jones, Frank E., Pawtucket, assignor to Hemphill Company, Providence, R. I. Machine for knitting gloves. 1,536,863; May 5.

Jones, John G., and H. G. Dewey, assignors to Eastman Kodak Company, Rochester, N. Y. Dental X-ray-film package. 1,536,345; May 5.

Jones, Joseph W., New York, N. Y. Jack for wireless telephony or the like. 1,536,296; May 5.

Jones, Percy L. (See Guy, H. L., and Jones.)

Jones, Samuel G., Norfolk, Va. Tractor locomotive. 1,536,864; May 5.

Jordan, Haniel, Harrison, Nebr. Tractor hitch. 1,536,102; May 5.

Jordan, Daniel, Harrison, Nebr. Tractor hitch. 1,536,103; May 5.

Jouclard, Jules, Versailles, France. Stove for burning sawdust and like residues. 1,536,220; May 5.

Joughins, George R., New York, N. Y. Freight-car roof. 1,536,395; May 5.

Judd, Morton F., Stratford, assignor to The Raybestos Company, Bridgeport, Conn. Clutch. 1,536,588; May 5.

Juul, Soren N., Indianapolis, Ind. Window lifter. 1,536,396; May 5.

Kade, Frederick C., Philadelphia, Pa. Advertising device for drinking vessels. 1,536,716; May 5.

Kahlo, Harry C., Indianapolis, Ind. Shoe-shining attachment. 1,536,104; May 5.

Kahrer, Ferdinand J., Newark, N. J. Mixing valve. 1,536,865; May 5.

Kalman Steel Company. (See Shaer, Arthur P., assignor.)

Kamborian, Jacob, Watertown, Mass. Making rubber shoes. 1,536,866; May 5.

Karr, William M., Gothenburg, Nebr. Automatic folding door. 1,536,867; May 5.

Kass, Louis J., assignor to F. Strauss, New York, N. Y. Toy. Des. 67,207; May 5.

Kass, Louis J., assignor to F. Strauss, New York, N. Y. Toy. Des. 67,208; May 5.

Kattell, Stanley M., Syracuse, assignor to The Shav-Rite Safety Razor Corporation, Patchogue, N. Y. Safety razor. 1,536,485; May 5.

Kaufman, Joseph, Bronxville, assignor to American Safety Razor Corporation, New York, N. Y. Razor container. Des. 67,209; May 5.

Kaye, John A., Sault Ste. Marie, Ontario, Canada. Bag closure. 1,536,105; May 5.

Keech, George C. (See Kummer, Ernest W., assignor.)

Keen, Alexis W., assignor to General Rubber Company, New York, N. Y. Apparatus for supplying materials in a desired ratio of weights. 1,536,589; May 5.

Keeton, Cecil G., Jackson, Mo. Refrigerating system. 1,536,346; May 5.

Kégresse, Adolphe, Paris, France. Driven and driving pulley. 1,536,397; May 5.

Keller, Augustus H., assignor of one-half to G. Hagey, Philadelphia, Pa. Burglar alarm. 1,536,868; May 5.

Kelley, Victor H., Madison, Wis. Valve rocker arm. 1,536,221; May 5.

Kelley, Warren, Baltimore, Md. Billboard. 1,536,106; May 5.

Kellogg Switchboard and Supply Company. (See Bohlman, Ernest A., assignor.)

Kelvinator Corporation. (See Mercer, William D., assignor.)

Kemp, Jabez P., Baltimore, Md. Dressing or re-forming grinding surfaces. 1,536,398; May 5.

Keys, Walter C., Cleveland, Ohio, assignor, by mesne assignments, to J. H. Wagenhorst, Jackson, Mich. Vehicle wheel rim. 1,536,503; May 5.

Keystone Driller Company. (See Downie, Robert R., assignor.)

Kielberg, Henry, Martins Ferry, Ohio, assignor to Whitaker-Glessner Company, Wheeling, W. Va. Burner for gas heaters. 1,536,590; May 5.

Kimball, Wallace D., and A. E. Rideout, assignors to Standard Sealing Equipment Corporation, New York, N. Y. Carton-making machine. 1,536,222; May 5.

King, Nathan H., Modesto, Calif. Vehicle suspension device. 1,536,504; May 5.

Kinney-Rome Company. (See Kinney, William H., assignor.)

Kinney-William H., assignor to Kinney-Rome Company, Chicago, Ill. Spring structure and assembling the same. 1,536,796; May 5.

Kirkpatrick, Timothy M., and W. A. Claunch, Maypearl, Tex. Agricultural implement. 1,536,591; May 5.

Kirschbraun, Lester, Evanston, Ill. Making felted, fibrous, waterproof sheets. 1,536,399; May 5.

Kizer, William H., Beggs, Okla. Flanged union check valve. 1,536,869; May 5.

Klasing, Augustus F., Chicago, Ill., assignor to The Klasing Car Brake Company. Brake-operating mechanism. 1,536,797; May 5.

Klasing Car Brake Company, The. (See Klasing Augustus F., assignor.)

Klebanoff, David. (See Grossman, Samuel, assignor.)

Klebanoff, David, et al. (See Soman, Michael E., assignor.)

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 67,210; May 5.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 67,211; May 5.

Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Ceiling light. Des. 67,212; May 5.

Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Chandelier. Des. 67,213; May 5.

Klein, Rulof, Montclair, N. J. Siphon-tube base. 1,536,437; May 5.

Klin, John R., Dayton, Ohio, assignor, by mesne assignments, to Menasha Printing and Carton Co., Menasha, Wis. Can-making machinery. 1,536,107; May 5.

Klinka, Frank J., assignor, by mesne assignments, to Masco Specialty Manufacturing Company, Milwaukee, Wis. Housing for exhaust-pipe radiators. 1,536,297; May 5.

Klotz, Alfred, Munich, Germany. Valve for inflated articles. 1,536,870; May 5.

Klug, Hermann, Berlin-Hermsdorf, Germany. Cyclone dust collector. 1,536,592; May 5.

Klymax Feeder Company. (See Morrison, Lewis E., assignor.)

Klymax Feeder Company. (See Sibole, Percy L., assignor.)

Knackstedt, Fred H. A., Staunton, Ill. Air-supply attachment for internal-combustion engines. 1,536,871; May 5.

Knapp, Edgar, and C. G. Allgrunn, Middleport, N. Y. Crop duster. 1,537,014; May 5.

Knox, Harry A. (See Traner, B. F., and Knox.)

Knox, William J., Dubois, Pa. Valve-chest construction for steam engines. 1,536,798; May 5.
Knutsson, Roger L. (See Allen, Edgar C., assignor.)
Knutsson, Roger L., assignor of one-half to E. C. Allen. Rockford, Ill. Mercury switch. 1,536,439; May 5.
Koehler, Charles W., Cleveland, Ohio. Attachment for automobile running boards. 1,536,223; May 5.
Koehnline, Irvin J., Bridgeport, and W. E. Armstrong, Martins Ferry, Ohio. Annealing box. 1,536,438; May 5.
Kohler Die and Specialty Co. (See Orschovski, Stanley, assignor.)
Kohn, Samuel, New York, N. Y. Automatic start and stop device. 1,536,298; May 5.
Kokomo Stamped Metal Co. (See Gibson, Percy O., assignor.)
Kolinski, Alexander F., Milwaukee, Wis. Magnet target game. 1,536,436; May 5.
Korol, Irving L., Brooklyn, N. Y. Safety window construction. 1,536,593; May 5.
Krekel, Hubert, assignor to The Bartlett Hayward Company, Baltimore, Md. Metallic building structure. 1,536,717; May 5.
Kreutzer, Karl. (See Spengler, O., and Kreutzer.)
Kreushage, Paul, Cannstatt, Germany. Appliance for replacing derailed railway vehicles. 1,536,505; May 5.
Krotoschin, Simon, Leipzig, Germany. Package for fragile or sensitive articles. 1,537,015; May 5.
Krøyer, Sigurd H., Hellerup, near Copenhagen, Denmark. Recuperator. 1,537,016; May 5.
Kruesi, Paul J., trustee. (See Aldrich, Charles H., assignor.)
Kummer, Ernest W., Edgewater, assignor of one-half to G. C. Keech, Denver, Colo. Gasoline-vaporizing gland. 1,536,299; May 5.
Kurtenbach, Preston F., Brookings, S. Dak. Attachment for corn pickers. 1,536,887; May 5.
Kuster, Charles A., Elmhurst, assignor to Tonoh-Metal Producing Company, New York, N. Y. Plate for lighting fixtures. Des. 67,214; May 5.
Kwiatkowski, Wladislaw, and H. Wieschon, Astoria, N. Y. Extension bed. 1,536,888; May 5.
Kwiatkowski, Wladyslaw, and H. Wieschon, Astoria, N. Y. Rotatable cloth rack. 1,536,889; May 5.
La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Combination feeder for blanks. 1,536,799; May 5.
La Bombard, Leon E., and M. H. Sidebotham, assignors to Specialty Automatic Machine Company, Chelsea, Mass. Blank-carrying mechanism for paper-box-folding machines. 1,536,800; May 5.
Labombarde, Harold S., Nashua, N. H. Method and apparatus for preparing coated blanks for conversion into boxes. 1,536,801; May 5.
Ladébauche, Florina, Woonsocket, R. I. Gasoline strainer. 1,536,802; May 5.
Laganke, Charles F., East Cleveland, assignor to The Outlook Company, Cleveland, Ohio. Windshield cleaner. 1,536,506; May 5.
Lagemann, Gustav P., Luverne, Minn. Milk-strainer attachment. 1,536,890; May 5.
La Londe, Louis J., Detroit, Mich. Radiator. 1,536,675; May 5.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Range. 1,537,030; May 5.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Oven. 1,537,031; May 5.
Lamb, Joseph F., assignor to Landers, Frary & Clark, New Britain, Conn. Range. 1,537,032; May 5.
Lambertson, Everett R., et al. (See Jaeger, Henry G., assignor.)
Lamson Company, The. (See Cowley, James T., assignor.)
Landers, Frary & Clark. (See Lamb, Joseph F., assignor.)
Lane, George, and J. E. Patterson, Poughkeepsie, N. Y. Photographic apparatus. 1,536,718; May 5.
Lane, George, and J. E. Patterson, Poughkeepsie, N. Y. Method of and apparatus for stereoscopic photography. 1,536,719; May 5.
Langlois, Albert P., Norwalk, Conn. Heat distributor. 1,536,891; May 5.
Larson, Carl T., Moline, Ill. Monolithic wall and mold therefor. 1,536,892; May 5.
Larsson, Thure, Worcester, Mass. Hydraulic valve. 1,537,017; May 5.
Latta, John L., Hickory, N. C. Pneumatic displacement pump. 1,536,720; May 5.
Lauterbur, Edward J. (See Lauterbur, Frank X. and E. J.)
Lauterbur, Frank X. and E. J., Sidney, Ohio. Treating dough. 1,536,224; May 5.
Lauterbur, Frank X., Sidney, Ohio. Dough-molding machine. 1,537,018; May 5.
Lavagnino, Emanuel, assignor to The Electro-Alloys Company, Elyria, Ohio. Annealing box. 1,536,400; May 5.
Lawson, John, Meeting Creek, Alberta, Canada. Halter. 1,536,507; May 5.
Lea, Peter A., Ponca City, Okla. Tire. 1,536,225; May 5.
Lebrecht, George A., Freeport, Ill. Utensil for peeling or slicing vegetables. 1,536,594; May 5.
Lee, Harry C., New York, N. Y. Tennis racket. 1,536,108; May 5.
Leggett, Herbert, Kansas City, Mo. Spark plug. 1,536,893; May 5.
Lehman, Charles L., and H. C. Vakiner, Edmonton, Alberta, Canada. Safety wheel lock for motor-driven vehicles. 1,536,808; May 5.
Lehr, Charles E., Bethlehem, Pa., assignor to Bethlehem Steel Company. Device for operating open-hearth-furnace dampers. 1,536,226; May 5.
Leipert, August H., assignor to International Motor Company, New York, N. Y. Steering wheel. 1,536,227; May 5.
Lents, John M., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,215; May 5.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Mfg. Company, Plainville, Conn. Snap-switch terminal. 1,536,441; May 5.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric-switch clip. 1,536,442; May 5.
Lersaas, Anton A., Spokane, Wash. Scrubbing brush. 1,536,676; May 5.
Lermer, Herman B., assignor to Hygienic Tube Company, Newark, N. J. Collapsible tube. 1,536,443; May 5.
Leslie, John W., Evanston, assignor to Signode System, Inc., Chicago, Ill. Bale tie. 1,536,228; May 5.
Lessard, Henry L., Nashua, N. H. Hearing device for partly-deaf persons. 1,536,109; May 5.
Levey, Samuel, Detroit, Mich. Container. Des. 67,216; May 5.
Lewis, Goodrich Q., Wheaton, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Doorlatch. 1,536,110; May 5.
Lewis, Warren K., Newton, Mass., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Producing carbon black. 1,536,612; May 5.
Lier, Robert P., Mitchell, S. Dak. Combined carrier and bumper for automobiles. 1,536,111; May 5.
Light, Ralph A., and J. W. Price, jr., assignors to The United States Metallic Packing Company, Philadelphia, Pa. Metallic packing ring. 1,536,595; May 5.
Lilja, Alexander, Noti, Oreg. Whistle-controlling attachment. 1,536,508; May 5.
Lillie, Samuel M., Philadelphia, Pa. Evaporating apparatus. 1,536,894; May 5.
Lindgren, Waldemar L., assignor to A. A. Norton, trustee, Chicago, Ill. Differential-gear drive for automobiles, etc. 1,536,112; May 5.
Lindyberg, Roman, Brooklyn, N. Y. Reconditioning damaged steps. 1,536,895; May 5.
Linotype and Machinery Limited. (See French, Arthur G., assignor.)
Lionel Corporation, The. (See Caruso, Louis, assignor.)
Lionel Corporation, The. (See Hoffmann, Arthur N., assignor.)
Lipari, Gaetano, San Jose, Calif. Toy. 1,536,677; May 5.
Lippmann, Spier & Hahn. (See Avidan, Jacob, assignor.)
Little, Frederick B., assignor to J. C. Deagan, Inc., Chicago, Ill. Sound-producing mechanism. 1,536,113; May 5.
Llorens, Louis M., Los Angeles, Calif. Typewriter-friction-rail lubricator. 1,536,896; May 5.
Loafea, Samuel, Oakland, Calif. Corrugating machine. 1,536,897; May 5.
Loepsinger, Albert J., Cranston, R. I., assignor to General Fire Extinguisher Company, New York, N. Y. Dry-pipe valve. Re16,060; May 5.
Logan, David F. (See Neal, F. G., and Logan.)
Longtine, Robert V., Los Angeles, Calif., assignor to Longtine Valve Company. Gate valve. 1,536,300; May 5.
Longtine Valve Company. (See Longtine, Robert V., assignor.)
L'Orange, Prosper, Mannheim-Feudenheim, assignor to the Firm: Motoren-Werke Mannheim A. G., vorm. Benz Abt. Stationärer Motorenbau, Mannheim, Germany. Air and auxiliary pump arrangement for marine Diesel motors. 1,536,401; May 5.
Lorens, Robert, Brooklyn, N. Y. Can opener and closure. 1,536,898; May 5.
Lots, William A., assignor to The T. & L. Co., Inc., Newark, N. J. Bag-frame-registering connection. 1,536,596; May 5.
Louth, Maurice, assignor to Udylite Process Company, Kokomo, Ind. Anode. 1,537,046; May 5.
Louth, Maurice E., and A. W. Young, assignors to Udylite Process Company, Kokomo, Ind. Cadmium plating. 1,537,047; May 5.
Lovejoy, Frank W., assignor to Eastman Kodak Company, Rochester, N. Y. Apparatus for taking and projecting motion pictures. 1,536,347; May 5.
Lovejoy, Louis B., assignor to The Warner Brothers Company, Bridgeport, Conn. Buckle. 1,536,114; May 5.
Low, Frederick E., assignor to Bewlay and Company, Limited, London, England. Tobacco pipe and cigar and cigarette holder. 1,536,899; May 5.
Lowe, Arthur L., Sioux City, Iowa. License-car bracket. 1,536,900; May 5.

Lowy, Otto, Newark, N. J., assignor, by mesne assignments, to Technical Products Corporation. Prophylactic detergent. 1,536,301; May 5.
Lozano, Nicolás, Marcos Paz, Argentina. Hub and spoke connection. 1,536,509; May 5.
Ludlow Manufacturing Associates, trustees. (See Williamson, William P., assignor.)
Lugt, Gerard J., assignor to Nederlandsche Fabriek van Werktuigen en Spoorwegmaterieel, Genaamd "Werkspoor," Amsterdam, Netherlands. Ascertaining leakage of pistons of double-acting internal-combustion engines. 1,536,115; May 5.
Lutz, Arthur, West Hoboken, N. J. Manicuring implement. 1,536,901; May 5.
Lyndon, Lamar, New York, N. Y. Steering knuckle. 1,536,597; May 5.
Lyons, Harry J., Geneva, assignor to Geneva Heater Company, Chicago, Ill. Storage water heater. 1,536,613; May 5.
MacArthur, Chester. (See Dorsey, W., and MacArthur.)
MacInnes, Robert H., assignor to D. Moore Company Limited, Hamilton, Ontario, Canada. Electric-stove insulating support. 1,537,019; May 5.
Mack, Patrick H., Bradford, assignor to Oil Well Supply Company, Pittsburgh, Pa. Gas-escape valve for oil wells. 1,536,348; May 5.
Mackenzie, George W., Beaver, Pa., assignor to Springfield Manufacturing Company, Springfield, Ill. Liquid-dispensing apparatus. 1,536,402; May 5.
Mackey, Harry J., Decatur, Ill. Weighing machine. 1,536,614; May 5.
Macredie, Alexander E., et al. (See Remus, William F., assignor.)
Mageon, George B., Worcester, Mass. Last lathe. 1,536,721; May 5.
Majusick, Walter, Cleveland, Ohio. Floor-scrubbing machine. 1,536,615; May 5.
Mann, Louis, et al. (See Davis, Meyer, assignor.)
Manning, John T., Brookline, Mass. Golf club. 1,536,616; May 5.
Manning, Maxwell & Moore, Inc. (See Crocker, Ernest B., assignor.)
Manovill, Hugo, assignor to Firoxloid Products Corporation, New York, N. Y. Loud speaker. Des. 67,217; May 5.
Marion Machine, Foundry & Supply Company. (See Skipworth, Walter, assignor.)
Markowski, Anthony, Chestnut Hill, Pa. Plant support. 1,536,678; May 5.
Markowski, Anthony, Chestnut Hill, Pa. Plant support. 1,536,679; May 5.
Marmon, Howard C. (See Jeffers, Clarence E., assignor.)
Martin, Edward, Colwich, Kans. Picker teeth for leaderers. 1,536,444; May 5.
Martin, Jesse A., Los Angeles, Calif. Humidifying attachment for furnaces. 1,536,229; May 5.
Martin, Melvin S., Minneapolis, assignor to G. Waldref, St. Paul, Minn. Hoist for vehicle dump bodies. 1,536,959; May 5.
Martin, Melvin S., Minneapolis, assignor to G. Waldref, St. Paul, Minn. Hoisting mechanism for tilting bodies of dump vehicles. 1,536,960; May 5.
Martin, William H., Chappaqua, N. Y., assignor to American Telephone and Telegraph Company. Sound reproducer. 1,536,116; May 5.
Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft. (See Pleistick, Gustav, assignor.)
Masco Specialty Manufacturing Company. (See Kluka, Frank J., assignor.)
Mason, Frank C., Los Angeles, Calif. Burglary-protection means. 1,536,804; May 5.
Mattatuck Manufacturing Company. (See Saunders, William M., assignor.)
Matteson, Jesse O. (See Bishop, J. W., and Matteson.)
Matthael, Max, Cassel-Wilhelmshöhe, Germany. Metallic-rail-support construction. 1,536,117; May 5.
Maupai, Henry F., assignor to Sackett & Wilhelms Corporation, Brooklyn, N. Y. Display device for bottles and the like. 1,536,445; May 5.
Maurer, William E. (See Green, John D., assignor.)
McAnly, Louis C. (See Rockwood, G. O., McAnly, and Skelley.)
McConkey, Hilliard C., et al., trustees. (See Sparhawk, Charles E., assignor.)
McCue, Thomas W., Akron, Ohio. Nozzle for smoke abators. 1,536,230; May 5.
McCutcheon, Brunson S., North Plainfield, N. J., assignor to American Telephone and Telegraph Company. Sound reproducer. 1,536,118; May 5.
McDonald, Donald, assignor to American Meter Company, Incorporated, New York, N. Y. Demonstrating index device. 1,536,119; May 5.
McFadden, Leo, Bristow, Okla. Placard holder and support therefor. 1,536,231; May 5.
McGrath, Patrick J., and J. W. Hallowell, Brooklyn, N. Y. Game apparatus. 1,536,510; May 5.
McKee, Lindsay, and C. A. Roach, Portland, Oreg. Automobile wheel. 1,536,232; May 5.
McLaine, William L., Los Angeles, and W. L. Borough, Fullerton, Calif. Casing head. 1,536,680; May 5.
McLaren, Andrew B., Toronto, Ontario, Canada. Gumming machine. 1,536,511; May 5.
McLaren, Arthur C., Victoria, British Columbia, Canada. Device for golf instruction. 1,536,512; May 5.
McMillan, Alfred E., New York, N. Y. Stamp-placing machine. 1,536,902; May 5.
McMillan, Henry L., Chicago, Ill. Automatic sewage-screen rake. 1,536,961; May 5.
McMillan, John D., Bishop, Calif. Oiling machine. 1,536,403; May 5.
McMinn, John E., assignor to Peerless Manufacturing Company, Louisville, Ky. Heater. Des. 67,218; May 5.
McNall, Harry, Pittsburgh, Pa. Mechanical baseball game. 1,536,513; May 5.
McNaughton, Robert I., Iron Mountain, Mich. Bag-holder bracket. 1,536,903; May 5.
McNeil, Alan M., et al. (See Remus, William F., assignor.)
McVay, Joseph A. (See Dodd, E. M., and McVay.)
Mecklenburg, John C., Hancock, Minn. Cultivator shovel. 1,536,120; May 5.
Mehis, Frederick W., assignor of forty-nine one-hundredths to J. H. Fulton, Thief River Falls, Minn. Cutting mechanism for harvesting machines. 1,536,514; May 5.
Melhuish, Lawrence E., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube socket. 1,536,805; May 5.
Meloche, Daniel H. (See Udale, S. M., and Meloche.)
Meloche, Daniel H., assignor to G. M. Holley, Detroit, Mich. Casting iron in metal molds. 1,536,904; May 5.
Meloche, Daniel H., assignor to E. Holley, Detroit, Mich. Producing self-annealed cast-iron castings in permanent molds by the heat of the metal cast. 1,536,905; May 5.
Menasha Printing and Carton Co. (See Kiln, John R., assignor.)
Mercer, William D., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,536,446; May 5.
Merrill, Joseph J., Chicago, Ill., assignor, by mesne assignments, to International Patents Development Company. Method of and apparatus for drying materials. 1,536,806; May 5.
Merrimack Wood Heel Co. (See Russ, Harley W., assignor.)
Merry, Ambrose A., et al. (See Ayres, Webb W., assignor.)
Mershon, Ralph D., New York, N. Y. Balancing means for electrolytic apparatus. 1,536,233; May 5.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Control post. 1,536,515; May 5.
Meuser, Lloyd G., Chicago, Ill. Convertible auto body. 1,536,807; May 5.
Meyer, George J., and E. A. Tischer, assignors to George J. Meyer Manufacturing Company, Milwaukee, Wis. Expanding brush. 1,536,802; May 5.
Meyer, Herman H., jr., New York, N. Y. Means for supporting lamps. 1,536,516; May 5.
Meyer, Jacob E., Pittsburgh, Pa. Making hand bags and product thereof. 1,536,121; May 5.
Meyer, Katherine, administratrix. (See Meyer, Oswald.)
Meyer, George J., Manufacturing Company. (See Meyer, G. J., and Tischer, assignors.)
Meyer, Oswald, deceased, Carlstadt, N. J.: K. Meyer, administratrix. Embroidery-machine fabric holder 1,536,447; May 5.
Michalak, Stanislaw, Toledo, Ohio. Spark arrester. 1,536,681; May 5.
Mikkelsen, Harry A., assignor to Bell & Howell Company, Chicago, Ill. Shaft bearing. 1,536,349; May 6.
Miller, Andrew B., Baldwin, Wis., assignor to Twin-Washer Manufacturing Company, St. Paul, Minn. Washing machine. 1,536,303; May 6.
Miller, Brown W., Pittsburgh, Pa. Baby-chick feeder. 1,536,234; May 5.
Miller, Clarence G. (See Gleason, M. W., and Miller.)
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,219; May 5.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,220; May 5.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,221; May 5.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,222; May 5.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,223; May 5.
Miller, Heber N., Peoria, Ill. Article of manufacture. 1,536,906; May 5.
Miller, John A., Homewood, Ill. Pleasure-railway structure. 1,536,122; May 5.
Miller, John A., Homewood, Ill. Pleasure-railway structure. 1,536,448; May 5.
Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Quarts working. 1,537,036; May 5.
Miller, Ralph L., Dayton, Ohio. Parachute toy. 1,536,722; May 5.
Miller, Ralph J., assignor to Gisholt Machine Company, Madison, Wis. Ironing machine. 1,536,235; May 5.
Miller Rubber Company, The. (See Brucker, Ferdinand F., assignor.)
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-current system. 1,536,907; May 5.
Milwaukee Air Power Pump Company. (See Rogers, Homer S., assignor.)
Miner, W. H., Inc. (See Lewis, Goodrich Q., assignor.)

Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Mineral Development Company. (See Morris, William R., assignor.)
Minshull, John A., assignor to Whitin Machine Works, Whitinsville, Mass. Spinning, twisting, and like machine. 1,536,123; May 5.
Mitchell, William H. (See Tappen, A. B., and Mitchell.)
Mock, Raymond A., Amarillo, Tex. Coupling arrangement for piston rods and crossheads. 1,537,037; May 5.
Moir, Donald, and H. Buchanan, Rosario de Santa Fe, Argentina. Means for the lining or manufacture, centrifugally, of pipes, columns, and other hollow articles. 1,536,682; May 5.
Monarch Tractors, Incorporated. (See Webb, Arthur B., assignor.)
Monowatt Electric Import Co. (See Dam, Henry M. R., assignor.)
Montgomery, Gustavus A., assignor to Titusville Forge Company, Titusville, Pa. Casing hook for drilling apparatus. 1,536,617; May 5.
Moore, Charles B., Mattoon, Ill. Seed planter. 1,536,962; May 5.
Moore, D., Company Limited. (See MacInnes, Robert H., assignor.)
Moore, Frank S., Chester, and O. R. Van Boehm, Scottdale, Pa. Sifting or separating machine. 1,536,124; May 5.
Moore, Henry H., Floodwood, Minn. Shoe-cleaning device. 1,536,963; May 5.
Moore, J. W., Machine Company. (See Currier, Arthur L., assignor.)
Moorman, Charles A., Chicago, Ill. Anatomical display case. 1,536,125; May 5.
Moreaux, Cécile, New York, N. Y. Device for carrying articles from the wrist. 1,536,683; May 5.
Moreland, M. F. (See Abbey, George N., assignor.)
Morgan Construction Company. (See George, Jerome R., assignor.)
Morgan, Harold H., Pittsburgh, Pa. Stainless steel and hardware articles manufactured therefrom. 1,536,684; May 5.
Morgan, John S., assignor to Thermal Industrial and Chemical (T. I. C.) Research Company Limited, London, England. Immersing subdivided solids or liquids in liquids. 1,536,908; May 5.
Morley Button Manufacturing Company. (See Tilton, Henry B., assignor.)
Morris, William R., assignor, by mesne assignments, to Mineral Development Company, Boise, Idaho. Concentrator and flotation separator. 1,536,236; May 5.
Morrison, James, Chicago, Ill. Overall union garment. 1,536,304; May 5.
Morrison, Lewis E., Newark, N. J., assignor to Klymax Feeder Company, Printing machine. 1,536,350; May 5.
Morrison, Lewis E., Newark, N. J., assignor to Klymax Feeder Company, Sheet-holding device for printing presses. 1,536,351; May 5.
Morse Dry Dock & Repair Co. (See Strachan, C., and Irish, assignors.)
Motoren-Werke Mannheim A. G., vorm. Benz Abt. Stationarer Motorenbau. (See L'Orange, Prosper, assignor.)
Mottiau, August J. (See Heath, H. H., and Mottiau.)
Muirhead, Henri H., Bloomburg, Pa. Cooky cutter. 1,536,685; May 5.
Mullen, James, and L. S. Harvey, Waterbury, Conn. Heating system. 1,536,686; May 5.
Muller, John J. H., Newark, N. J. Sign letter. 1,536,449; May 5.
Murray, John D., San Francisco, Calif. Spraying apparatus. 1,536,352; May 5.
M'Vickar, John A. (See Schiff, Charles, assignor.)
National Pneumatic Company. (See Rowntree, Harold, assignor.)
Nathansohn, Alexander, Bad Harzburg, Germany. Treating lead compounds. 1,536,618; May 5.
Nathansohn, Alexander, Bad Harzburg, Germany. Recovery of zinc compounds from zinc-chloride solutions. 1,536,619; May 5.
Neal, Franklin G., Springfield, and D. F. Logan, assignors to The Fisk Rubber Company, Chicopee Falls, Mass. Making tires. 1,536,723; May 5.
Nederlandsche Fabriek van Werktuigan en Spoorwegmaterieel, Genaamd "Werkspoor." (See Lugt, Gerard J., assignor.)
Neely, William H., Detroit, Mich., assignor to Graham Brothers, Evansville, Ind. Double undersiung tire carrier. 1,536,404; May 5.
Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind. Holding device. 1,536,909; May 5.
Nelson, George E., Brooklyn, N. Y. Land-clearing machine. 1,536,405; May 5.
Nelson, Robert G., Belt, assignor of one-half to C. L. Crane and one-half to S. L. Crane, Armington, Mont. Differential. 1,536,724; May 5.
Neth, George J., assignor to The Ezry Register Company, Dayton, Ohio. Selector-handle lock. 1,536,126; May 5.
Netz, Fritz, Marysville, Kans. Compound for treating steel. 1,536,964; May 5.
Netzow, Paul F., Milwaukee, Wis. Radiocabinet. Des. 67,224; May 5.
Newell, Fred W., Seattle, Wash. Weeder. 1,536,620; May 5.
Newman, George W., Chicago, Ill., assignor to Wilson-Jones Loose Leaf Company, Tube and hinge for transfer binders. Re16,066; May 5.
Newton, Albert S., Providence, R. I. Waste trap. 1,536,127; May 5.
Nichols, Chester E., Bridgeport, Conn. Buckle. 1,536,621; May 5.
Nichols, John C., Sheboygan, Wis. Hook coupling for harness. 1,536,622; May 5.
Nicholson Construction Company. (See Cowan, John H., assignor.)
Niles-Bement-Pond Company. (See Randolph, C. F., and Ricards, assignors.)
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nitardy, Ferdinand W., Brooklyn, assignor to E. R. Squibb & Sons, New York, N. Y. Dentifrice material. 1,536,305; May 5.
Norden, Mortimer, New York, N. Y. Spark-plug tester. 1,536,808; May 5.
North East Electric Company. (See Gordon, William R., assignor.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Take-up mechanism for looms. 1,536,128; May 5.
Northwest Engineering Company. (See Burke, Paul, assignor.)
Norton, Alfred A., trustee. (See Lindgren, Waldemar L., assignor.)
Norton, Oliver G., assignor to G. M. Holley, Detroit, Mich. Accelerating device. 1,536,910; May 5.
Norvell, Benjamin E., Pasadena, Calif. Light. 1,536,623; May 5.
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Magneto. 1,536,450; May 5.
Nowosielski, Edward B., Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Audio-frequency transformer. 1,536,451; May 5.
Nugent, William W., Chicago, Ill. Combined filter and water separator. 1,536,911; May 5.
Nugent, William W., Chicago, Ill. Oil-purifying mechanism. 1,536,912; May 5.
Nusim, Melach J., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Radial impeller. 1,536,306; May 5.
Nydegger, Max. (See Fels, William, assignor.)
Oatey, Charles C., Dubuque, Iowa. Electric cleaning device. 1,536,687; May 5.
Obrecht, Norbert L., and F. E. Price, Pontiac, Mich. Automobile bumper. Des. 67,225; May 5.
Ockenden, Pierce, assignor of one-half to J. W. Tredway, Edmonton, Alberta, Canada. Index-card holder for telephones. 1,536,913; May 5.
Ocker, Benjamin H., Marion, Pa. Money belt. 1,536,965; May 5.
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,536,129; May 5.
Oehrle Brothers Company. (See Oehrle, Franklin W., assignor.)
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Fringe. Des. 67,226; May 5.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Fringe. Des. 67,227; May 5.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Knitted fabric. Des. 67,228; May 5.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Knitted fabric. Des. 67,229; May 5.
Oehrle, Franklin W., assignor to Oehrle Brothers Company, Philadelphia, Pa. Knitted fabric. Des. 67,230; May 5.
Ogden, Ellsworth P., Columbus, assignor to J. B. Owens, Zanesville, Ohio. Drier or preheater. 1,536,406; May 5.
Ogden, John E. (See Tomkinson, Charles C., assignor.)
O'Halloran, James, Iroquois Falls, Ontario, Canada. Releasable stake pocket for railway cars. 1,536,914; May 5.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Oil Well Supply Company. (See Mack, Patrick H., assignor.)
Olcott, Charles A., assignor to S. S. Hepworth Company, New York, N. Y. Centrifugal machine. 1,536,915; May 5.
Oldfield, William, Passaic, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Border-fabric-strip guide for sewing machines. 1,536,517; May 5.
O'Leary, Thomas J., St. Paul, Minn. Brake extension. 1,536,966; May 5.
Olivier, Herman C., The Hague, Netherlands. Piston engine. 1,536,262; May 5.
Olson, Carl G., assignor to Illinois Tool Works, Chicago, Ill. Pressure block. 1,536,916; May 5.
Onnertz, Paul, Berlin-Wilmersdorf, assignor to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Dyeing furs, skins, hairs, feathers, or the like. 1,536,725; May 5.
Orem, Frederick S., Baltimore, Md. Air cleaner for carburetors. 1,536,726; May 5.

Orzechovski, Stanley, assignor to Kohler Die and Specialty Co., De Kalb, Ill. Card rack. 1,536,263; May 5.
Osborn, Edward T., Seattle, Wash. Extensible wall cabinet. 1,536,518; May 5.
Osborn, Ivyal E., River Falls, Wis. Electric flatiron connection. 1,536,688; May 5.
Oswego Falls Corporation. (See Skinner, Eugene W., assignor.)
Outlook Company, The. (See Luganke, Charles F., assignor.)
Owen, Williams, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Plate-glass-polishing apparatus. 1,536,917; May 5.
Owen, William, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for feeding glass blanks. 1,536,918; May 5.
Owens, John B. (See Ogden, Ellsworth P., assignor.)
Packard Motor Car Company. (See Church, Harold D., assignor.)
Packard Motor Car Company. (See Gunn, Earl G., assignor.)
Packard Motor Car Company. (See Hammerl, Jacob, assignor.)
Paddack, Truman G., Wyoming, assignor to The Stearns and Foster Company, Lockland, Ohio. Upholstering machine. 1,536,237; May 5.
Palao, Felix, New Orleans, La. Extricating device. 1,536,967; May 5.
Palm, Per W., Baudette, Minn. Wind motor. 1,536,968; May 5.
Pardee, Harvey S., Chicago, Ill. Pump regulator. 1,536,264; May 5.
Parker, Charles C., Houston, Tex., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,536,624; May 5.
Parker, Edwin F., Kansas City, Mo. Roof. 1,536,519; May 5.
Parker, George F., Macon, Ga. Awning structure. 1,536,520; May 5.
Parkinson, Joseph C., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Absorption glass and making it. 1,536,919; May 5.
Parkinson, Joseph C., Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Glass and batch therefor. 1,536,920; May 5.
Parks, Orland F., Birmingham, Ala. Toy dump wagon. 1,536,353; May 5.
Parmenter, Herbert H., London, England. Printing machine. 1,536,238; May 5.
Parrish, Vernon W., Medicine Hat, Alberta, Canada. Pump for land-burning machines. 1,536,521; May 5.
Patterson, John E. (See Lane, G., and Patterson.)
Paul, William L., Berkeley, Calif., assignor to Deere & Company, Moline, Ill. Tractor hitch. 1,536,625; May 5.
Paulson, Walter M., and A. M. Walstrom, Minneapolis, Minn., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Machine for making tubs and the like. 1,536,265; May 5.
Pavek, Jerry, Chicago, Ill. Phonograph reproducer. 1,536,969; May 5.
Peerless Manufacturing Company. (See McMinn, John E., assignor.)
Pelech, Adolph, Hallettsville, Tex. Wind motor. 1,536,921; May 5.
Pellegreen, Louis P., Torrington, Conn. Extension plug for electric sockets. 1,536,522; May 5.
Pennell, John C., Fort Wayne, Ind. Traffic signal. 1,536,922; May 5.
Perry, Charles W., et al., trustees. (See Sparkhawk, Charles E., assignor.)
Perry, Donald B., Yonkers, N. Y., assignor to American Telephone and Telegraph Company. Operation of printing apparatus by radio. 1,536,130; May 5.
Peters, Frederick W., et al. (See Thiemer, William H., assignor.)
Peterson, Victor T. C., Atlanta, Nebr. End-gate construction. 1,536,523; May 5.
Pettit, Albert. (See Gregory, Oscar T., assignor.)
Pettus, John M., Ontario, Calif. Tail-light support. 1,536,407; May 5.
Pets, John, Monterey, Mexico. Pocket cigarette-rolling device. 1,536,923; May 5.
Pfannenstiel, Hugo. (See Spengler, O., and Pfannenstiel.)
Pfeferberg, Abe, New York, N. Y. Temperature-indicating device. Des. 67,231; May 5.
Pfeifer, Ferdinand A., assignor to The Eagle Engineering Company, Springfield, Ohio. Printer's caliper. 1,536,307; May 5.
Pfersdorff, Victor, Hayange, Lorraine, France. Manufacture of armor plating. 1,536,524; May 5.
Phelps, Joseph, North Caldwell, N. J., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,536,452; May 5.
Phetteplace, Benjamin S., Greenville, S. C. Bundling yarn and dyeing same. 1,536,970; May 5.
Phillips, Charles A., San Francisco, Calif. Chiropractic table. 1,536,354; May 5.
Phinney-Walker Company. (See Hennessey, John P., assignor.)
Phoenix Hosiery Company. (See Fitzgibbon, John E., assignor.)
Pickard, Greenleaf W., Newton Center, and J. A. Proctor, Lexington, assignors to Wireless Specialty Apparatus Company, Boston, Mass. Vernier for tuning reactances. 1,536,453; May 5.
Pielstick, Gustav, assignor to the Firm: Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft, Augsburg, Germany. Injection air regulator especially for marine oil engines. 1,537,052; May 5.
Pierce, Howard W., Butte, Mont. Piston. 1,536,971; May 5.
Pierce, John N., Jacksonville, Fla. Rotary perforating machine. 1,536,024; May 5.
Pierce, Raymond C., New York, N. Y. Temperature-controlled heating device. 1,536,689; May 5.
Pinck, Louis S., Minneapolis, Minn. Ring. 1,536,408; May 5.
Piroxloid Products Corporation. (See Manovill, Hugo, assignor.)
Pitney, Arthur H., assignor, by mesne assignments, to Pitney-Bowes Postage Meter Company, Stamford, Conn. Changeable die meter for postage-meter machines. 1,536,925; May 5.
Pitney-Bowes Postage Meter Company. (See Pitney, Arthur H., assignor.)
Pittsburgh Plate Glass Company. (See Evans, Albert E., assignor.)
Pittsburgh Plate Glass Company. (See Heichert, Herman S., assignor.)
Pittsburgh Plate Glass Company. (See Owen, William, assignor.)
Pittsburgh Plate Glass Company. (See Parkinson, Joseph C., assignor.)
Plath, Walter H., Baker, Mont. Closure for grain containers. 1,536,525; May 5.
Polk, Thomas B., Seattle, Wash. Window cleaner. 1,536,526; May 5.
Pool, Morris W., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,536,454; May 5.
Potter, Albert T., assignor to Ainsworth Manufacturing Company, Detroit, Mich. Hinge construction. 1,536,626; May 5.
Potter, Thomas I., Orange, assignor to Federated Engineers Development Corporation, Jersey City, N. J. Life preserver. 1,536,627; May 5.
Potts, Louis M., Highwood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,536,809; May 5.
Pratt, Robert G. (See Crompton, George, jr., assignor.)
Pratt & Whitney Company. (See Hoke, William E., assignor.)
Pratt & Whitney Company. (See Tanner, Hubert D., assignor.)
Pratt & Whitney Company. (See Vokal, P. F., and Erdman, assignors.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Mining machine. 1,536,131; May 5.
Prest-O-Lite Company, The. (See Benner, R. C., and Fink, assignors.)
Preston, Herbert J., et al. (See Sparks, Walter, assignor.)
Price, Frank E. (See Obrecht, N. L., and Price.)
Price, James F. (See Wallace, Joseph R., assignor.)
Price, Joseph W., jr. (See Light, R. A., and Price.)
Priebe, Herman C., Blue Island, Ill. Car-uncoupling mechanism. 1,536,132; May 5.
Priebe, Herman C., Blue Island, Ill. Draft gear. 1,536,133; May 5.
Priebe, Herman C., Blue Island, Ill. Draft gear. 1,536,134; May 5.
Priebe, Herman C., Blue Island, Ill. Railway car. 1,536,135; May 5.
Priebe, Herman C., Blue Island, Ill. Railway car. 1,536,136; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,137; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,138; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,139; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,140; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,141; May 5.
Priebe, Herman C., Blue Island, Ill. Railway-car truck. 1,536,142; May 5.
Pritchett, William J., Sydney, New South Wales, Australia. Switch for controlling electric circuits. 1,536,355; May 5.
Probst, Emil, Charlottenburg, Germany, assignor to General Electric Company. Electric heating unit. 1,536,926; May 5.
Proctor, John A. (See Pickard, G. W., and Proctor.)
Pugh, Clifford J., Salem, Oreg. Exhaust box and cooker. 1,536,527; May 5.
Pusch, Emil, New Rochelle, N. Y. Flax puller. 1,536,455; May 5.
Putnam, Frank L., Houston, Tex. Water heater. 1,536,409; May 5.
Putnam, William E., Weston, Mass. Untwisting device. 1,536,266; May 5.
Putnam, William E., Weston, Mass. Untwisting device. 1,536,267; May 5.

Quirk, Harry J. (See Gay, J. C. Smith, and Quirk.)
Raleigh, B Jean, Washington, D. C. Phonograph-record replayer. 1,536,972; May 5.
Ramsey, Julian A., Washington, Pa., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic printer. 1,536,356; May 5.
Randolph, Clifford F., and C. L. Ricards, Plainfield, N. J., assignors to Niles-Bement-Pond Company, New York, N. Y. Clamping mechanism for radial drills. 1,536,727; May 5.
Rasmussen, Martin, assignor to Hartman Trunk Company, Racine, Wis. Trunk lock. 1,536,268; May 5.
Raybestos Company, The. (See Judd, Morton F., assignor.)
Rebmann, Charles J., St. Louis, Mo. Building block or brick. 1,536,528; May 5.
Record Cement-Industrie G. m. b. H. (See Tetens, Oscar, assignor.)
Redding, Charles E., Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Primer and choke. 1,536,810; May 5.
Reed, Charles J., San Mateo, Calif., assignor of one-half to A. A. Hall, San Francisco, Calif. Spark-gap mechanism. 1,536,628; May 5.
Reeves, Arthur W., Alvechurch, England. Spring suspension arrangement. 1,536,728; May 5.
Regan Forge and Engineering Company. (See Becker, Harry E., assignor.)
Regan Safety Devices Company, Inc., The. (See Shaver, Archibald G., assignor.)
Rehart, Ray L., Glendale, Calif. Calf-wheel shaft. 1,536,927; May 5.
Rehberger, Edward A., Newark, N. J. Automobile radiator top. Des. 67,232; May 5.
Rehme, Otto, Mosling, Wis. Stopping mechanism for internal-combustion engines. 1,536,629; May 5.
Reighard, Thomas H., assignor of one-third to J. Tasick, Tarentum, Pa. Fluxing material. 1,536,239; May 5.
Reinecke, John P., assignor to The Hoffman Heater Company, Lorain, Ohio. Gas-valve structure. 1,536,630; May 5.
Reinecke, John P., assignor to The Hoffman Heater Company, Lorain, Ohio. Gas burner. 1,536,631; May 5.
Reitz, Joseph, and F. Tregeseer, jr., Jeannette, Pa. Tire-buffing machine. 1,536,928; May 5.
Reliance Die & Stamping Company. (See Webster, Bester R., assignor.)
Remington Typewriter Company. (See Phelps, Joseph, assignor.)
Remington Typewriter Company. (See Pool, Morris W., assignor.)
Remus, William F., Rangataua, assignor of one-sixth to A. E. Macredie, one-sixth to C. F. Cork, three-twelfths to A. M. McNeil, and three-twelfths to W. J. Abbott, Auckland, New Zealand. Preparation of meat powders. 1,536,308; May 5.
Rentschler, Harvey C., Wilkinsburg, Pa., assignor, by mesne assignments, to Westinghouse Lamp Company. Oscillation generator of the arc type. 1,537,021; May 5.
Reulman, William F., Detroit, Mich. Interchangeable stud driver. 1,536,309; May 5.
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Lay rocker-shaft bearing for looms. 1,536,811; May 5.
Ricards, Charles L. (See Randolph, C. F., and Ricards.)
Rice, Melvin A. (See Hudson, Alexander M., assignor.)
Richards, Mondest C., Flint, Mich. Child's vehicle. 1,536,973; May 5.
Richards, Willard R., Chicago, Ill. Driving mechanism for railway-car generators. 1,536,529; May 5.
Richardson, Edward E., Maumee, Ohio. Antirattling mechanism for windows. 1,536,929; May 5.
Richardson, Willard D., Columbus, Ohio. Building-wall structure. 1,536,729; May 5.
Richter, Armin, Isselhorst, Germany. Machine for manufacturing loop yarn. 1,536,690; May 5.
Riddle, Edward N., Company. (See Crowell, Frank S., assignor.)
Rideout, Arthur E. (See Kimball, Wallace D., and Rideout.)
Riedele, Andrew P., assignor to United States Bumper Company, Inc., Los Angeles, Calif. Bumper. 1,536,269; May 5.
Ringler, William A., Philadelphia, Pa. Loose-leaf ledger with visualized arrangement of account sheets. 1,536,930; May 5.
Rippl, Francis J. (See Fagan, J. T., and Rippl.)
Roach, Charles A. (See McKee, Lindsay, and Roach.)
Robbins, Archie R., San Diego, Calif. Fuel-spraying nozzle for internal-combustion engines. 1,536,931; May 5.
Robertson, H. H., Co. (See Young, James H., assignor.)
Robertson, John A., assignor to Eastman Kodak Company, Rochester, N. Y. Tripod connection for cameras. 1,536,143; May 5.
Robinson, Luther, Eldorado, Kans. Fire extinguisher. 1,536,144; May 5.
Rocke, Louis, Brooklyn, N. Y. Sewing-machine attachment for hook and eye tape. 1,536,812; May 5.
Rockwood, George O., L. C. McAnly, and J. W. Skelley, assignors to Rockwood Manufacturing Company, Indianapolis, Ind. Pulley. 1,536,410; May 5.
Rockwood Manufacturing Company. (See Rockwood, G. O. McAnly, and Skelley, assignors.)
Roessler & Haaslacher Chemical Company. (See Halvorsen, Arthur L., assignor.)
Rogers, Cephas B., Danbury, Conn. Electric-light bracket. Des. 67,233; May 5.
Rogers, Homer S., assignor to Milwaukee Air Power Pump Company, Milwaukee, Wis. Pneumatic pump. 1,536,632; May 5.
Rolfe, Charles A., St. Paul, Minn. Keyed insulating board. 1,536,932; May 5.
Rose, Ralph H., Detroit, Mich. Burglar and fire alarm apparatus. 1,536,933; May 5.
Rose, Ralph H., Detroit, Mich. Burglar and fire alarm signal for telephones. 1,536,934; May 5.
Rosen, Hyman, New York, N. Y. Button. 1,536,530; May 5.
Rosenblatt, Isidor, New York, N. Y. Lighting-fixture bracket or an article of similar nature. Des. 67,234; May 5.
Rosenfelder, George A., Pittsburgh, Pa. Crystal detector. 1,536,974; May 5.
Ross, Benjamin P., Sacramento, Calif. Fruit and vegetable drier. 1,536,935; May 5.
Röthlisberger, Hermann, Zurich, Switzerland. Clamping device. 1,536,310; May 5.
Rouanet, Louis, Ivry-Port, assignor to Compagnie d'Applications Mecaniques, Paris, France. Locking device for removable wheels. 1,536,456; May 5.
Rowntree, Harold, Pass Christian, Miss., assignor to National Pneumatic Company, New York, N. Y. Unit door-control system. 1,536,813; May 5.
Roy, Joseph, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Heater frame. Des. 67,235; May 5.
Royal, Roscoe, Chicago, Ill. Coin-controlled mechanism. 1,536,145; May 5.
Rubber Development Company, The. (See Freedlander, A. L., and Goodwin, assignors.)
Ruegg, Henry, jr., Weehawken, N. J. Pile fabric. 1,536,975; May 5.
Russ, Harley W., Haverhill, Mass., assignor to Merrimack Wood Heel Co., Salem, N. H. Heel-blank breast-shaping machine. 1,536,691; May 5.
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Hose-coupler lock. 1,536,814; May 5.
Rypinski, Maurice C., Yonkers, assignor to C. Brandes, Inc., New York, N. Y. Table talker. 1,536,936; May 5.
Sabadello, Vinsens, assignor to F. Benedikt, St. Polten, Austria. Device for securing buttons or the like to fabrics or any other kind of material. 1,536,270; May 5.
Sackett & Wilhelms Corporation. (See Maupai, Henry, F., assignor.)
Sadler, F. H., Company, The. (See Sadler, Louis E., assignor.)
Sadler, Louis E., assignor to The F. H. Sadler Company, Attleboro, Mass. Finger ring. 1,536,815; May 5.
Saffert, Armand P., Cliffside, N. J. Headlight. 1,536,146; May 5.
Sagl, Anton, Adams, Nebr. Golf apparatus. 1,536,976; May 5.
Sale, William W., Seattle, Wash. Article of manufacture. 1,536,816; May 5.
Sargent, Charles E. (See Sargent, Richard B., assignor.)
Sargent, Richard B., assignor to C. E. Sargent, Rock Island, Ill. Separator and vaporizer attachment for internal-combustion engines. 1,537,033; May 5.
Sato, Tokusaburo, Osaka, Japan. Complete-combustion apparatus for marine boilers. 1,536,147; May 5.
Saunders, William M., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Spool. 1,537,034; May 5.
Scanes, Arthur E. L., Ashton-on-Mersey, and O. E. Verity, Hale, England, assignors, by mesne assignments, to Westinghouse Electric and Manufacturing Company. Condenser. 1,536,148; May 5.
Schackmann, Matthew J., Chicago, Ill. Ironing board. 1,536,271; May 5.
Schafer, John C. F., Mount Pulaski, Ill. Paper-pad holder and pencil retainer. 1,536,937; May 5.
Scheib, Georg, Berlin, Germany, assignor to D. H. J. van Menis, The Hague, and J. G. Schurmann, Rotterdam, Netherlands. Cover for high-pressure vessels. 1,536,272; May 5.
Schermann, John H., Pittsburgh, Pa. Hydraulic shock absorber. 1,536,531; May 5.
Schen, William C., Upland, Calif. Orchard heater. 1,536,692; May 5.
Schiff, Charles, Montclair, N. J., assignor of one-half to J. A. M'Vickar, New York, N. Y. Shaving device for phonograph records. 1,536,938; May 5.
Schlesinger, Henry, and S. Simonovitz, New York, N. Y. Window construction. 1,536,457; May 5.
Schlicker, Christian. (See Veomett, George A., assignor.)
Schmid, William, assignor to Caskey-Dupree Manufacturing Company, Coldwater, Mich. Clip structure. 1,536,149; May 5.
Schmidt, Charles A. (See Gunn, J. K., and Schmidt.)

Schmucker, Nicholas. (See Ekstedt, G. A., and Schmucker.)
Schnee, Woldemar, New York, N. Y. Therapeutic device. 1,536,273; May 5.
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider, Frank A., Cleveland, Ohio. Tabular calculator. 1,536,693; May 5.
Schneider, Julius, et al. (See Jaeger, Henry G., assignor.)
Schnell, Charles G., assignor to Rudolph Wurlitzer Manufacturing Company, North Tonawanda, N. Y. Pneumatic action for musical instruments. 1,436,150; May 5.
Scholz, Maria, Leichlingen, Germany. Dyeing textile fabric, paper, and like materials. 1,536,151; May 5.
Schorn, Carl, Dusseldorf-Rath, Germany. Shears with two movable blades. 1,536,152; May 5.
Schuldt, Henry J., St. Paul, Minn. Window guard. 1,536,939; May 5.
Schulz, Paul H., and C. Jessen, Milwaukee, Wis. Traffic-signal head. Des. 67,236; May 5.
Schulze, Arthur and H., Deer Plain, Ill. Priming means for motor-cycle engines. 1,536,632; May 5.
Schulze, Harrison. (See Schulze, Arthur and H.)
Schurmann, J. G., et al. (See Scheib, Georg, assignor.)
Schweiker, Malcolm A., New York, N. Y., and J. R. Westbrook, Zanesville, Ohio. Machine for fettling floor and wall tile. 1,536,411; May 5.
Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 67,237; May 5.
Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 67,238; May 5.
Scuic, Enoch C. (See Anderson, Eno A., jr., assignor.)
Seales, Aaron M. (See Gats, John B., assignor.)
Sear, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,536,153; May 5.
Sear, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,536,154; May 5.
Sear, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,536,155; May 5.
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Auxiliary column and drill head for radial drills. 1,536,730; May 5.
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Intermediate product in the manufacture of cellulose acetate. 1,536,311; May 5.
Seel, Paul C., assignor to Eastman Kodak Company, Rochester, N. Y. Recovering acetic values from a cellulose-acetate mixture. 1,536,312; May 5.
Semonsen, Otto C., Brooklyn, N. Y. Hook for mending runs. 1,536,274; May 5.
Semonsen, Otto C., Brooklyn, N. Y. Holder for knitted fabrics. 1,536,275; May 5.
Shapiro & Aronson, Inc. (See Klien, Max, assignor.)
Shav-Rite Safety Razor Corporation, The. (See Kattell, Stanley M., assignor.)
Shaver, Archibald G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Roadside apparatus for automatic train-control systems. 1,536,276; May 5.
Sheehan, William E., Albany, N. Y. Wet-web carrier for pulp and paper machines. 1,536,533; May 5.
Sheffer, Max B., Chicago, Ill. Advertising novelty. 1,536,633; May 5.
Sherburne, Henry N., Plaquemine, La. Speed boat. 1,536,940; May 5.
Sherwood Bros. Mfg. Co. (See Casler, Herman, assignor.)
Shimay, Raymon A., Boston, Mass. Traction device. 1,536,156; May 5.
Shippert, Warren A., Dixon, Ill., and G. Bailey, Milwaukee, Wis. Milking apparatus. 1,536,634; May 5.
Short, Ruel I., assignor to Essendee Corporation, Los Angeles, Calif. Adjustable support. 1,537,039; May 5.
Sibley, Elizabeth S., et al. (See Sibley, George H., assignor.)
Sibley, George H., Hartford, assignor of one-half to C. F. Chandler, Stafford Springs, and one-half to E. S. Sibley, Hartford, Conn. Oil burner. 1,536,694; May 5.
Sibole, Percy L., Newark, N. J., assignor to Klymax Feeder Company. Suction-nozzle-supporting means for printing presses; 1,536,313; May 5.
Sibole, Percy L., Newark, N. J., assignor to Klymax Feeder Company. Suction-nozzle-supporting means for printing presses; 1,536,314; May 5.
Sidebotham, Melvin H. (See La Bombard, L. E., and Sidebotham.)
Signal Electric Mfg. Co. (See Fussner, George, assignor.)
Signode System, Inc. (See Leslie, John W., assignor.)
Siller, Alfonso E., Monterey, Mexico. Boring and screw-driving tool. 1,536,941; May 5.
Silverman, Benjamin, assignor of one-half to J. R. Earp, Chattanooga, Tenn. Comb. 1,536,534; May 5.
Simon, Max. (See Heusner, K., and Simon.)
Simonovitz, Samuel. (See Schlesinger, H., and Simonovitz.)
Simonovitz, Samuel, New York, N. Y. Window construction. 1,536,357; May 5.
Simplex Player Action Company. (See Brown, Theodore P., assignor.)
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer Manufacturing Company, The. (See Oldfield, William, assignor.)
Skaer, Arthur P., Buffalo, N. Y., assignor, by mesne assignments, to Kalman Steel Company, Chicago, Ill. Column-head frame. 1,536,942; May 5.
Skelley, John W. (See Rockwood, G. O., McAnly, and Skelley.)
Skinner, Eugene W., assignor to Oswego Falls Corporation, Fulton, N. Y. Megaphone. Des. 67,239; May 5.
Skipworth, Walter, Cleveland, Ohio, assignor, by mesne assignments, to Marion Machine, Foundry & Supply Company, Marion, Ind. Sheet-metal building. 1,536,977; May 5.
Skogmark, John. (See Chase, M. F., and Skogmark.)
Slack, James W., East Enterprise, Ind. Power-driven wrench. 1,536,157; May 5.
Slater, N., Company, Limited, The. (See Elliott, Wilbert N., assignor.)
Slaughter, Maggie M. (See Trone, Le Roy, assignor.)
Smith, Amos H., Brooklyn, assignor to American Bank Note Company, New York, N. Y. Numbering machine. 1,536,458; May 5.
Smith, Clifford H., San Jose, Calif. Stove. 1,536,695; May 5.
Smith, Clyde J., Uniontown, Pa. Loading apparatus. 1,536,535; May 5.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,536,635; May 5.
Smith, John A., Spokane, Wash. Calculator. 1,536,536; May 5.
Smith, Ralph E. (See Gay, J. C., Smith, and Quirk.)
Smolen, Harry, Brooklyn, N. Y. Shoe. Des. 67,240; May 5.
Sobel, Samuel, Brooklyn, N. Y. Pedestal for lamps or similar articles. Des. 67,241; May 5.
Sobel, Samuel, Brooklyn, N. Y. Pedestal for lamps or similar articles. Des. 67,242; May 5.
Société Anonyme des Ateliers d'Aviation Louis Breguet. (See Breguet, Louis, assignor.)
Soderquist, E., Newhalem Camp, Rockport, Wash. Key lock. 1,536,240; May 5.
Soldani, George H., Ponca City, Okla. Headlamp-control device. 1,536,978; May 5.
Soman, Michael E., assignor to D. Klebanoff and S. Grossman, copartners, trading as Klebanoff and Grossman, New York, N. Y. Finger ring. Des. 67,243; May 5.
Sonsthagen, Asbjorn, Leytonstone, England. Machine for coating sweetmeats. 1,536,943; May 5.
Spang and Company. (See Campbell, J. J., and Spang, assignors.)
Spang, Ferdinand J. (See Campbell, J. J., and Spang.)
Sparhawk, Charles E., assignor to himself, C. W. Perry, and H. C. McConkey, trustees, Drumheller, Alberta, Canada. Dirigible headlight. 1,536,158; May 5.
Sparks, Walter, Birmingham, assignor to W. H. Tonks, Birmingham, and H. J. Preston, London, England, and North Sydney, Australia. Fastener for curtain rods and the like. 1,536,412; May 5.
Specialty Automatic Machine Company. (See La Bombard, L. E., and Sidebotham, assignors.)
Spengler, Oskar, Dessau, and K. Kreutzer, Nuremberg, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Sulphurised dyes. 1,536,731; May 5.
Spengler, Oskar, and H. Pfannenstiel, Dessau-in-Anhalt, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin. Manufacture of vanillin. 1,536,732; May 5.
Splitdorf Electrical Company. (See Nowosielski, Edward B., assignor.)
Springfield Manufacturing Company. (See Mackenzie, George W., assignor.)
Springfield Motor Sweeper Company, The. (See Bryant, Llewellyn F., assignor.)
Squibb, E. R., & Sons. (See Nitardy, Ferdinand W., assignor.)
Sroka, Walter, assignor of one-half to J. F. Williamson, Minneapolis, Minn. Storage-battery-lug remover. 1,536,241; May 5.
Stacey, Alfred E., jr., Essex Falls, assignor to Carrier Engineering Corporation, Newark, N. J. Casting pottery. 1,536,358; May 5.
Stacey, William A., Chicago, Ill., assignor to The Bryant Electric Company, Bridgeport, Conn. Panel-board installation. 1,536,979; May 5.
Standard Coin Wrappers, Inc. (See Dickey, Lewis J., assignor.)
Standard Sealing Equipment Corporation. (See Kimball, W. D., and Rideout, assignors.)
Standow, Mark A., Hartford, Conn. Self-winding clock. 1,536,159; May 5.
Stanley Works, The. (See Bodmer, Christian, assignor.)
Stearns and Foster Company, The. (See Paddack, Truman G., assignor.)
Steele, Charles E. (See Beck, J., and Steele.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Carrying out metallurgical operations. 1,536,944; May 5.
Steinmetz, Knut. (See Winter, Oskar E., assignor.)
Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic hammer. 1,536,537; May 5.
Stevens, John H., Sandusky, Ohio. Rail or track clamp. 1,536,359; May 5.

Stevens, William C., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Machine for the manufacture of tire casings. 1,536,459; May 5.
Stewart, Robert W., Findlay, Ohio. Automatically closing furnace doors. 1,536,160; May 5.
Stewart Warner Speedometer Corporation. (See Bossi, Enea, assignor.)
Stewart, William C., Kenosha, Wis. Automatic railway gate. 1,536,380; May 5.
Stoltenberg, August, Holyrood, Kans. Tractor attachment. 1,536,980; May 5.
Stossel, Elvir W., Asbury Park, N. J. Spring connection. 1,536,981; May 5.
Stouffer, Vernon B., Detroit, Mich. Electric grill. 1,536,538; May 5.
Strachan, Christopher, South Orange, N. J., and D. J. Irish, St. George, assignors to Morse Dry Dock & Repair Co., New York, N. Y. Fluid atomizer. 1,536,982; May 5.
Strachan, Christopher, South Orange, N. J., and D. J. Irish, St. George, assignors to Morse Dry Dock & Repair Co., New York, N. Y. Oil pipe and burner coupling. 1,536,983; May 5.
Straub, John M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Apparatus for making cushion tires. 1,536,161; May 5.
Strauss, Ferdinand. (See Kas, Louis J., assignor.)
Strootman, John, Buffalo, N. Y. Arch support for shoes. 1,536,945; May 5.
Stuebgen, Herman T. H., Pittsburgh, Pa. License plate. 1,536,460; May 5.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Auxiliary apparatus for condensers. 1,536,242; May 5.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Auxiliary apparatus for condensers. 1,536,243; May 5.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Fluid-compressing apparatus. 1,536,539; May 5.
Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Fluid-compressing apparatus. 1,536,984; May 5.
Suddard, Thomas W., assignor to The Hamilton Manufacturing Company, Two Rivers, Wis. Roller. 1,536,162; May 5.
Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)
Superior Ivory Button Company. (See Clemens, Emanuel, assignor.)
Sussman, Leon, Bayonne, N. J. Cooking utensil. 1,536,244; May 5.
Sutherland, Daniel M., jr., Trenton, assignor to The Agasote Millboard Co., Ewing Township, N. J. Apparatus for making sheets of pulp and similar articles. 1,536,163; May 5.
Sutphen, Charles J., Paterson, N. J. Tucking means for knitting machines. 1,536,946; May 5.
Swanson, Gust, Minneapolis, Minn. Fishing-tackle box. 1,536,315; May 5.
Swinford, Ralph, Los Angeles, Calif. Camera tripod. 1,536,985; May 5.
Symonds, Sydney, Wembley Park, England. Rotary valve. 1,536,733; May 5.
T. & L. Co., Inc., The. (See Lots, William A., assignor.)
Tainton, Ulyn C., Johannesburg, Transvaal, South Africa. Projectile. 1,536,164; May 5.
Tamassy, Zoltan, Cleveland, Ohio. Mechanical swimming device. 1,536,316; May 5.
Tanner, Hubert D., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Bevel-gear-testing device. 1,526,734; May 5.
Tappen, Alexander B., Briarcliff Manor, N. Y., and W. H. Mitchell, Nutley, N. J., assignors to Hendrick Manufacturing Company, Carbondale, Pa. Stair tread. 1,536,636; May 5.
Tasick, John. (See Reighard, Thomas H., assignor.)
Technical Products Corporation. (See Lowy, Otto, assignor.)
Tetens, Oscar, assignor to the Firm Record Cement-Industrie G. m. b. H., Oerlinghausen, Germany. Producing hydraulic, particularly cementlike, motar-forming agents. 1,536,165; May 5.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Reversible circulation internal fan kiln. 1,536,735; May 5.
Thelin, Oscar A., Horten, Norway. Rotary piston engine. 1,536,245; May 5.
Thermal Industrial and Chemical (T. I. C.) Research Company Limited. (See Morgan, John S., assignor.)
Thiemer, William H., assignor to himself, F. W. Peters, and J. H. Wills, Cleveland, Ohio. Packing for spline connections of universal joints and the like. 1,536,986; May 5.
Thimmes, George E., Mechanicsville, Iowa. Auto signal device. 1,536,987; May 5.
Thomas, David S., Brookline, assignor to J., W., and G. Weiler, doing business under the firm name of Jason Weiler & Sons, Boston, Mass. Finger ring. 1,536,540; May 5.
Thomas Day Company. (See Goddard, Wilfred B., assignor.)
Thomas, Earle, Pocatello, Idaho. Cleaning apparatus. 1,536,947; May 5.
Thomas, John B., assignor to Sam Goldberg Manufacturing Company, Nashville, Tenn. Fluid-pressure-engine structure. 1,536,166; May 5.
Thomassen, Hermanus, Heelsum, Netherlands. Freeing paper pulp from impurities. 1,536,988; May 5.
Thomson, Elihu, Swampscott, Mass., assignor to General Electric Company. Electric condenser. 1,536,948; May 5.
Thomson, S. H., Manufacturing Company. (See Hummert, Robert H., assignor.)
Thrift, Homer C., Burkburnett, Tex. Pipe puller. 1,536,413; May 5.
Thurnauer, Max H., Cincinnati, Ohio. Method of and apparatus for ironing. 1,536,637; May 5.
Thurston, Fred W., New York, N. Y. Drill. Re16,061; May 5.
Tilton, Henry B., Portsmouth, N. H., assignor to Morley Button Manufacturing Company, Boston, Mass. Composite head for tacks or the like. 1,536,277; May 5.
Timken-Detroit Axle Company, The. (See Vanderbeek, Herbert, assignor.)
Tinsley, Edward O., assignor to Robert Gair Company, Brooklyn, N. Y. Easel carton. 1,536,949; May 5.
Tinsley, Edward O., Brooklyn, assignor to Robert Gair Company, New York, N. Y. Folding display container. 1,536,950; May 5.
Tischer, Edward A. (See Meyer, G. J., and Tischer.)
Tomes, Ivan R., Mason City, Iowa. Suspension clamp. 1,536,361; May 5.
Tomkinson, Charles C., Plainfield, N. J., assignor to J. E. Ogden, Mountainville, N. Y. Bolt anchor. Re16,062; May 5.
Tonks, William H., et al. (See Sparks, Walter, assignor.)
Tonoh-Metal Producing Company. (See Kuster, Charles A., assignor.)
Totten, William G. L., Buckhannon, W. Va. Fruit gatherer. 1,536,167; May 5.
Trace, Russell A., assignor to Buckeye Iron & Brass Works, Dayton, Ohio. Cake-forming machine. 1,536,951; May 5.
Trageser, Albert H., and L. Hassinger, New York, N. Y. Stand boiler and water heater. 1,536,989; May 5.
Traner, Benjamin F., and H. A. Knox, College Place, Wash.; said knox assignor to said Traner. Emergency antiskid device. 1,536,362; May 5.
Traphagen, Harry R., assignor to Emerson-Brantingham Company, Rockford, Ill. Two-row cultivator. 1,536,168; May 5.
Trapp, Alfred C., Milwaukee, Wis. Automatic stabilising device. 1,536,638; May 5.
Tredway, Jesse W. (See Ockenden, Pierce, assignor.)
Tregesser, Frederic, jr. (See Reitz, J., and Tregesser.)
Tretch, William E. (See Freas, S. T., and Tretch.)
Tronc, Le Roy, assignor to M. M. Slaughter, Chicago, Ill. Assembly for curling irons. 1,536,246; May 5.
Troya, Enrique, New York, N. Y. Finger ring. Des. 67,244; May 5.
Trumbull Electric Mfg. Company, The. (See Leppert, Henry E., assignor.)
Tutusville Forge Company. (See Montgomery, Gustavus A., assignor.)
Twin-Plex Reversible Window Company, The. (See Bradner, Harry E., assignor.)
Twin-Washer Manufacturing Company. (See Miller, Andrew B., assignor.)
Udale, Stanley M., and D. H. Meloche, assignors to G. M. Holley, Detroit, Mich. Protecting the surfaces of metal molds. 1,536,952; May 5.
Udylite Process Company, The. (See Humphries, Chad H., assignor.)
Udylite Process Company. (See Louth, Maurice E., assignor.)
Udylite Process Company. (See Louth, M. E., and Young, assignors.)
Udylite Process Company. (See Young, Arthur W., assignor.)
Ulrich, Georg, Magdeburg, assignor to the Firm Fried. Krupp Aktiengesellschaft Grusonwerk, Magdeburg-Buckau, Germany. Process and apparatus for magnetic separation. 1,536,541; May 5.
Ulmer, Harry, assignor to Hardwick & Magee Company, Philadelphia, Pa. Carpet or similar article. Des. 67,245; May 5.
Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
Underwood Typewriter Company. (See Parker, Charles C., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Vickers, Harry H., assignor.)
Union Dry Battery Corporation of America. (See Apostoloff, Serge, assignor.)
Union Special Machine Company. (See Heap, Jesse J., assignor.)
Union Tool Company. (See Gosser, Edwin W., assignor.)
United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)
United States Bumper Company. (See Riedele, Andrew P., assignor.)

United States Cartridge Company. (See Foley, George A., assignor.)
United States Gypsum Company. (See Brookby, Harry E., assignor.)
U. S. Industrial Alcohol Co. (See Willkie, Herman F., assignor.)
United States Metallic Packing Company, The. (See Light, R. A., and Price, assignors.)
Universal Cigar Machinery Co., The. (See Heyman, Albert A.)
Upson, Ralph H., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Steering mechanism. 1,536,317; May 5.
Urschel, John E., Mexia, Tex. Belt clamp. 1,536,278; May 5.
Vakiner, Henry C. (See Lehman, C. L., and Vakiner.)
Valerius, Theodore L., Fort Atkinson, Wis., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Ice-cream freezer. 1,536,247; May 5.
Valiquet, Louis P., Chicago, Ill., assignor, by mesne assignments, to Victor Talking Machine Company, Camden, N. J. Motor drive for talking machines. Re16,063; May 5.
Valley Holding Corporation. (See Browne, Vere B., assignor.)
Valley Holding Corporation. (See Cunningham, Otto H., assignor.)
Valli, Antonio, Santa Fe, Argentina. Clock. 1,536,169; May 5.
Van Beek, Clifford A., Green Bay, Wis. Game. 1,536,639; May 5.
Van Boehm, Otto R. (See Moore, F. S., and Van Boehm.)
Van Dorn Electric Tool Company, The. (See Connell, Edwin L., assignor.)
Van Gelder, Johannes P., Granville, near Sydney, New South Wales, Australia. Machine for grinding and pulverizing friable substances. 1,536,990; May 5.
Van Mens, D. H. J., et al. (See Scheib, Georg, assignor.)
Vanderbeek, Herbert, assignor to The Timken-Detroit Axle Company, Detroit, Mich. Vehicle brake. 1,536,640; May 5.
Vapor Car Heating Company. (See Russell, Edward A., assignor.)
Vareton, Arrigo, Clifton, N. J. Check protector. 1,536,991; May 5.
Veomett, George A., assignor to C. Schlicker, Rochester, N. Y. Paring knife. 1,536,170; May 5.
Verity, Otho R. (See Scanes, A. E. L., and Verity.)
Vesdal Creations, Inc. (See Vives, Edward R., assignor.)
Vickers, Harry H., Corona, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,537,048; May 5.
Vickers Limited. (See Johnson Frederick G. L., assignor.)
Victor Talking Machine Company. (See Valiquet, Louis P., assignor.)
Virgens, Herman J., Welcome, Minn. Power-unit attachment for agricultural machines. 1,537,040; May 5.
Vives, Edward R., assignor to Vesdal Creations, Inc., New York, N. Y. Key. 1,537,049; May 5.
Vokal, Paul F., and A. W. Erdman, Hartford, Conn., assignors to Pratt & Whitney Company, New York, N. Y. Making milling cutters. 1,536,736; May 5.
Von Loutskoy, Boris, Berlin, Germany. Piston suspension in pneumatic hubs with guide operation. 1,536,641; May 5.
Vulcan Last Company, The. (See Searl, Clinton M., assignor.)
Wadsworth, Frank L. O., Pittsburgh, Pa. Automatic temperature-control valve. 1,536,461; May 5.
Wagenhorst, James H. (See Keys, Walter C., assignor.)
Wagner, Earl W., Butte, Mont. Centrifugal extractor. 1,536,248; May 5.
Wahl, Hans. (See Ernst, O., and Wahl.)
Waldref, Grant. (See Martin, Melvin S., assignor.)
Walker Brothers. (See Ashley, Edward E., jr., assignor.)
Wall, Frank E., assignor to Gabriel Steel Company, Detroit, Mich. Coal-chute construction. 1,536,642; May 5.
Wallace, George W., San Francisco, Calif. Carbonizing. 1,536,696; May 5.
Wallace, Joseph R., assignor of one-half to J. F. Price, San Angelo, Tex. Automatic gate. 1,536,992; May 5.
Walser, Joseph J., Ann Arbor, Mich., and A. A. Hensi, Chicago, Ill., assignors to Goss Printing Press Company. Stereotype-plate-finishing machine. 1,536,462; May 5.
Walstrom, Axel M. (See Paulson, W. M., and Walstrom.)
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Feeding mechanism for stave-jointing machines. 1,536,249; May 5.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Machine for making tubs and the like. 1,536,250; May 5.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Machine for making tubs and the like. 1,536,251; May 5.
Walstrom, Axel M., Minneapolis, Minn., assignor to The Creamery Package Mfg. Company, Chicago, Ill. Feeding mechanism for stave-jointing machine. 1,536,252; May 5.
Ware, Charles W., Rosendale, Mo. Screen or riddle cleaner. 1,536,363; May 5.
Warner Brothers Company, The. (See Lovejoy, Louis B., assignor.)
Waterbury, John H. (See Harrison, W., and Waterbury.)
Waters, Marion C., Brookfield, Mo. Switch. 1,536,953; May 5.
Watts, Roger W., Tacoma, Wash. License-number-plate holder. 1,536,414; May 5.
Wavrunek, Thomas J., Shawano, Wis. Computing machine. 1,536,171; May 5.
Webb, Arthur B., assignor to Monarch Tractors, Incorporated, Watertown, Wis. Road plow. 1,536,172; May 5.
Webb, Edward J., Chisholm, Minn. Concentrating machine. 1,536,173; May 5.
Weber, Harry M., assignor to Ellis-Foster Company, Montclair, N. J. Prematurely-cured plastic material and making same. 1,536,258; May 5.
Webster, Bester R., assignor to Reliance Die & Stamping Company, Chicago, Ill. Electric condenser. 1,536,954; May 5.
Wechsberg, Otto, assignor to Coppus Engineering and Equipment Company, Worcester, Mass. Governing device for pumps. 1,536,697; May 5.
Wegner, Herman A., Thief River Falls, Minn. Combination fire brush and hoe. 1,536,542; May 5.
Weiler, Gustavus, et al. (See Thomas, David S., assignor.)
Weiler, Jason, et al. (See Thomas, David S., assignor.)
Weiler, William, et al. (See Thomas, David S., assignor.)
Welch, W. M., Manufacturing Company. (See Brown, Hugh E., assignor.)
Wentworth, Philip C. (See Avery, James H., assignor.)
West, William J., El Paso, Ark. Churn-operating mechanism. 1,536,955; May 5.
Westbrook, James R. (See Schweiker, M. A., and Westbrook.)
Western Electric Company. (See Bell, John H., assignor.)
Western Electric Company. (See Brown, John T. L., assignor.)
Western Electric Company. (See Buckley, Oliver E., assignor.)
Western Electric Company. (See Fry, Jacob R., assignor.)
Western Electric Company. (See Housekeeper, William G., assignor.)
Western Electric Company. (See Melhuish, Lawrence E., assignor.)
Western Electric Company. (See Mills, John, assignor.)
Western Electric Company. (See Potts, Louis M., assignor.)
Western Electric Company. (See Reddig, Charles E., assignor.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Westfield Manufacturing Company. (See Clark, George W., assignor.)
Westinghouse Electric and Manufacturing Company. (See Guy, H. L., and Jones, assignors.)
Westinghouse Electric and Manufacturing Company. (See Scanes, A. E. L., and Verity, assignors.)
Westinghouse Lamp Company. (See Rentschler, Harvey C., assignor.)
Westling, Eric H., Redwood City, Calif. Absorption process. 1,536,463; May 5.
Wheeler, C. H., Manufacturing Company. (See Suczek, Robert, assignor.)
Whitaker-Glessner Company. (See Kielberg, Henry, assignor.)
White, Clarence B., Montclair, N. J., assignor to Fred S. Bennett, Inc., New York, N. Y. Water-repellant textile material and producing the same. 1,536,254; May 5.
White, Ernest C., assignor to Electric Outlet Company, Inc., New York, N. Y. Receptacle for electrical connecting and supporting devices. 1,536,318; May 5.
White, Richard W., et al. (See Ayres, Webb W., assignor.)
White, Russell H. (See Benvie, Herbert, assignor.)
White, William J., assignor of one-half to W. H. Gilbert, San Francisco, Calif. Pencil clip. 1,536,698; May 5.
Whitecotton, Arch C. (See Beck, L. G., and Whitecotton.)
Whitin Machine Works. (See Minshull, John A., assignor.)
Whiting Corporation. (See Coffey, O. L., and De Vries, assignors.)
Whitman, Robert S., Van Nuys, Calif. Guard for chick founts. 1,536,699; May 5.
Wibbels, Algie, Wolbach, Nebr. Restraining device. 1,536,956; May 5.
Wieschon, Hipolit. (See Kwiatkowski, W., and Wieschon.)
Wilcox, Charles M., Cedarville, Ohio. Motor humidifier. 1,536,364; May 5.
Wilkinson, James, Lynn, Mass., assignor to General Electric Company. Elastic-fluid-turbine nozzle structure. 1,536,957; May 5.
Willamette Iron and Steel Works. (See Bukowsky, Harry E., assignor.)

Williams, Arthur J., assignor of one-fourth to C. J. Cameron, one-fourth to W. F. Glenn, jr., and one-fourth to I. B. Glenn, Nashville, Tenn. Rotary engine for vehicle wheels. 1,536,737; May 5.

Williams, Irvin H., Richmond, Va. Sling. 1,536,643; May 5.

Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,536,464; May 5.

Williamson, James F. (See Sroka, Walter, assignor.)

Williamson, William P., Ludlow, assignor to Ludlow Manufacturing Associates, trustees, Boston, Mass. Strand detector and detainer. 1,536,543; May 5.

Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co. Purifying ethers. 1,536,544; May 5.

Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Purification of esters. 1,536,545; May 5.

Wills, J. H., et al. (See Thiemer, William H., assignor.)

Wilson, Charles L., Los Angeles, Calif., assignor to Charles Lewis Wilson, Incorporated. Shower and dressing room units. 1,536,546; May 5.

Wilson, Charles Lewis, Incorporated. (See Wilson, Charles L., assignor.)

Wilson, Elihu C. (See Deakins, G. C., and Hamer, assignors.)

Wilson, George F., and L. M. Gold, Sacramento, Calif. Vehicle bumper. 1,536,547; May 5.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Guide plate for a window strap, door-lock lever, or similar article of manufacture. Des. 67,246; May 5.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Pawl stud. Des. 67,247; May 5.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Handle. Des. 67,248; May 5.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio. Footman loop. Des. 67,249; May 5.

Wilson, Herbert, assignor to The Dura Company, Toledo, Ohio, Window-regulator handle. Des. 67,250; May 5.

Wilson, J. G., Corporation. (See Johnson, Howard A., assignor.)

Wilson-Jones Loose-Leaf Company. (See Newman, George W., assignor.)

Wilson, William W. (See Allison, Arthur, assignor.)

Winooski Electric Manufacturing Company, Inc. (See Batcheller, Hugh W., assignor.)

Winship, Albert W., assignor to W. W. Winship & Sons, Inc., Utica, N. Y. Clothes-retaining rack. 1,536,993; May 5.

Winship, W. W., & Sons, Inc. (See Winship, Albert W., assignor.)

Winsor, James G., and S. Hatashita, Detroit, Mich. Vehicle spring. 1,536,994; May 5.

Winsor, James G., and S. Hatashita, Detroit, Mich. Vehicle spring suspension. 1,536,995; May 5.

Winter, Oskar E., Stockholm, Sweden, assignor of one-half to K. Steinmetz, London, England. Automatic steering system for ships. 1,536,996; May 5.

Wireless Specialty Apparatus Company. (See Pickard, G. W., and Proctor, assignors.)

Wirkkala, Oscar A., Kent, Wash. Bull hook. 1,536,738; May 5.

Wiseman, Carl M., Louisville, Ky. Combined ring and reading glass. 1,536,365; May 5.

Wiseman, Carl M., Louisville, Ky. Automatic headlight-dimming attachment for automobiles. 1,536,366; May 5.

Wolters, Henry, and M. Hartman, Centralia, Wash. Door hanger. 1,536,548; May 5.

Wood, Arthur C., Mansfield, Ohio. Motor lamp. 1,536,174; May 5.

Woods, Angier D. (See Hitchcock, Everett S., assignor.)

Woods, Charles. (See Gormly, Charles W., assignor.)

Worthington Pump and Machinery Corporation. (See Benson, Harry F., assignor.)

Worthington Pump and Machinery Corporation. (See Grace, John F., assignor.)

Wright's Automatic Tobacco Packing Machine Company. (See Fischer, Louis, assignor.)

Wulff, Ferdinand, Erwin, S. Dak. Attachment for cultivators. 1,536,367; May 5.

Wunderlich, Emil, Yorktown, Tex. Cotton drier. 1,536,958; May 5.

Wurlitzer, Rudolph, Manufacturing Company. (See Schnell, Charles G., assignor.)

Wyatt, Albert E., Jersey City, N. J. Loop-antenna-frame construction. 1,536,997; May 5.

Yaxley, Ernest E., assignor of one-half to Yaxley Manufacturing Company and one-half to Carter Radio Company, Chicago, Ill. Rheostat. 1,536,175; May 5.

Yaxley Manufacturing Company et al. (See Yaxley, Ernest E., assignor.)

Yokel, Frank, Avalon, assignor to Wm. B. Young Co., Philadelphia, Pa. Base for lamp stands. Des. 67,251; May 5.

Yost, Henry W., assignor to The Grether Fire Equipment Company, Dayton, Ohio. Plaster fork. 1,536,319; May 5.

Young, Arthur W. (See Louth, M. E., and Young.)

Young, Arthur W., assignor to Udylite Process Company, Kokomo, Ind. Brightening agent. 1,537,020; May 5.

Young, Arthur W., assignor to Udylite Process Company, Kokomo, Ind. Coloring cadmium. 1,537,053; May 5.

Young, Charles W., Goodyear, Conn., assignor to The Goodyear Tire & Rubber Company, Akron, Ohio. Fabric-treating machine. 1,536,644; May 5.

Young, James H., Brooklyn, assignor to Thomas Young, Inc., New York, N. Y. Table cover or the like. Des. 67,252; May 5.

Young, James H., Brooklyn, assignor to Thomas Young, Inc., New York, N. Y. Table cover or the like. Des. 67,253; May 5.

Young, James H., assignor to H. H. Robertson Co., Pittsburgh, Pa. Light-colored asphaltic surface. 1,536,549; May 5.

Young, James H., assignor to H. H. Robertson Co., Pittsburgh, Pa. Protected metal article. 1,536,550; May 5.

Young, John. (See Drysdale, J. W. W., and Young.)

Young, Theodore, Waverly, St. Regis Falls, N. Y. Hopple. 1,536,551; May 5.

Young, Thomas, Inc. (See Young, James H., assignor.)

Young, Wm. B., Co. (See Yokel, Frank, assignor.)

Youngblood, Joseph C., Atwood, Kans. Carbureter control. 1,536,645; May 5.

Zaninelli, Anthony. (See Fioroni, S., and Zaninelli.)

Ziegler, William M., assignor to The Apex Machine Company, Dayton, Ohio. Automatic stud driver and releasing mechanism. 1,536,320; May 5.

Zinn, Edgar G. (See Haley, R. B., and Zinn.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 5TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Absorption process. E. H. Westling. 1,536,463; May 5.

Accelerating device. O. G. Norton. 1,536,910; May 5.

Acetic values from a cellulose-acetate mixture, Recovering. E. S. Farrow, jr. 1,536,334; May 5.

Acetic values from a cellulose-acetate mixture, Recovering. P. C. Seel. 1,536,312; May 5.

Adding accumulator. F. W. Berman. 1,536,757; May 5.

Adjustable support. R. I. Short. 1,537,039; May 5.

Advertising novelty. M. B. Sheffer. 1,536,688; May 5.

Aeroplanes, Method and apparatus for facilitating the starting and the landing of. L. Breguet. 1,536,283; May 5.

Agricultural implement. T. M. Kirkpatrick and W. A. Claunch. 1,536,591; May 5.

Agricultural machines, Power-unit attachment for. H. J. Virgens. 1,537,040; May 5.

Air heater. F. R. Arthur. 1,536,648; May 5.

Alarm: *See*—
Burglar alarm. Burglar and fire alarm.

Amalgamation apparatus. M. K. Codding. 1,536,375; May 5.

Annealing box. I. J. Koehnline and W. E. Armstrong. 1,536,438; May 5.

Annealing box. E. Lavagnino. 1,536,400; May 5.

Anode. M. E. Louth. 1,537,046; May 5.

Antenna-frame construction, Loop-. A. E. Wyatt. 1,536,997; May 5.

Antiskid device. W. E. Freeman. 1,536,886; May 5.

Antiskid device, Emergency. B. F. Traner and H. A. Knox. 1,536,362; May 5.

Antiskidding device. W. D. Chase. 1,536,074; May 5.

Arc welding, Automatic. W. B. Clarkson. 1,536,774; May 5.

Armor plating, Manufacture of. V. Pfersdorff. 1,536,524; May 5.

Art product and forming the same. E. P. Block. 1,536,371; May 5.

Article of manufacture. H. N. Miller. 1,536,906; May 5.

Article of manufacture. W. W. Sale. 1,536,816; May 5.

Ash tray. A. J. A. Giraud. 1,536,292; May 5.

Asphalt-pavement-cutting machine. W. J. Hackett. 1,536,178; May 5.

Asphaltic surface. Light-colored. J. H. Young. 1,536,540; May 5.

Assembly machine. O. L. Coffey and W. De Vries. 1,536,563; May 5.

Atomizer. Fluid. C. Strachan and D. J. Irish. 1,536,982; May 5.

Audio-frequency transformer. E. B. Nowosielski. 1,536,451; May 5.

Auto body, Convertible. L. G. Meuser. 1,536,807; May 5.

Auto hoods, Holder and lock for. P. J. Ciaccio. 1,536,773; May 5.

Auto lock. E. A. Bryant. 1,536,072; May 5.

Auto signal device. G. B. Thimmes. 1,536,987; May 5.

Autographic register. A. A. Johnson. 1,536,101; May 5.

Automatic brake. L. F. Heilmann and W. W. Baxter. 1,536,393; May 5.

Automatic gate. J. E. Wallace. 1,536,992; May 5.

Automobile brake lining. E. A. Brown. 1,536,071; May 5.

Automobile bumper. R. L. Obrecht. Des. 67,225; May 5.

Automobile license-plate fastener. E. W. Abel. 1,536,598; May 5.

Automobile radiator top. E. A. Rehberger. Des. 67,232; May 5.

Automobile running boards, Attachment for. C. W. Koehler. 1,536,223; May 5.

Automobile wheel. L. McKee and C. A. Roach. 1,536,232; May 5.

Automobiles, Combined carrier and bumper for. R. P. Lier. 1,536,111; May 5.

Automobiles, etc., Differential-gear drive for. W. L. Lindgren. 1,536,112; May 5.

Automobiles, Glareshield for. R. L. Ingebrigtsen. 1,536,793; May 5.

Awning structure. G. F. Parker. 1,536,520; May 5.

Ax. D. E. Bailey. 1,536,872; May 5.

Axle center, Rear-. D. F. Dombi. 1,536,824; May 5.

Axles, Apparatus for manufacture of. C. R. Day. 1,536,777; May 5.

Axminster tube frame. C. H. Collins. 1,536,703; May 5.

Back rest, Collapsible. F. M. Fargo. 1,536,665; May 5.

Bag closure. J. A. Kaye. 1,536,105; May 5.

Bag-frame-registering connection. W. A. Lots. 1,536,596; May 5.

Bag-holder bracket. R. I. McNaughton. 1,536,903; May 5.

Bale tie. J. W. Leslie. 1,536,228; May 5.

Baling press. D. Y. C. Chipman. 1,536,562; May 5.

Ball-bearing wheel. P. O. Gibson. 1,536,227; May 5.

Bar: *See*—
Tow bar.

Base-making machines, Feeding mechanism for. J. A. Akeroyd. 1,536,740; May 5.

Bead-sewing machines, Fabric feeder for. J. A. Groebli. 1,536,578; May 5.

Bead-sewing machines, Separator for. J. A. Groebli. 1,536,580; May 5.

Bearing, Roller. L. Flesch. 1,536,487; May 5.

Bearing, Shaft. H. A. Mikkelsen. 1,536,349; May 5.

Bearing-sleeve puller, Roller-. S. A. Anderson, jr. 1,536,553; May 5.

Bed, Extension. W. Kwiatkowski and H. Wieschen. 1,536,888; May 5.

Bed, Folding. M. H. Conrad. 1,536,190; May 5.

Beet elevator. P. C. Baker and J. H. Gibson. 1,536,187; May 5.

Beet topper, Automatically-adjusting. J. A. Harwood. 1,536,492; May 5.

Belt clamp. J. E. Urschel. 1,536,278; May 5.

Belt, Money. B. H. Ocker. 1,536,965; May 5.

Belt, Power-transmission. F. W. Browning. 1,536,557; May 5.

Benzene, Chlorinating. O. Efnat and H. Wahl. 1,536,706; May 5.

Beverage-dispensing device. F. W. and C. L. Holderle. 1,536,854; May 5.

Billboard. W. Kelley. 1,536,106; May 5.

Blanks for conversion into boxes, Method and apparatus for preparing coated. H. S. Labomberde. 1,536,801; May 5.

Block: *See*—
Pressure block.

Block or brick, Building. C. J. Rebmann. 1,536,523; May 5.

Board: *See*—
Floor board. Ironing board.
Insulating board.

Boat, Speed. H. N. Sherburne. 1,536,940; May 5.

Boiler: *See*—
Water-tube boiler.

Boiler and water heater, Stand. A. H. Trageser and L. Hassinger. 1,536,989; May 5.

Boilers, Complete-combustion apparatus for marine. T. Sato. 1,536,147; May 5.

Bolt anchor. C. C. Tomkinson. Re16,062; May 5.

Book and method of binding the same. E. John. 1,536,100; May 5.

Boring and screw-driving tool. A. B. Siller. 1,536,941; May 5.

Boring tool, Expansible. A. Gosper. 1,536,208; May 5.

Bottle. D. Brand. Des. 67,185; May 5.

Bottle. J. P. Curran. Des. 67,188–9; May 5.

Bottle. J. M. Lents. Des. 67,215; May 5.

Bottle. F. R. Miller. Des. 67,219–23; May 5.

Bottle. F. W. Schwenck. Des. 67,237–8; May 5.

Bottle and the like, Indicating device for. J. S. Blinn. 1,536,067; May 5.

Bowling pin. J. W. Bishop and J. O. Matteson. 1,536,606; May 5.

Box: *See*—
Annealing box. Fishing tackle box.
Cigarette and match box. Lubricating stuffing box.
Display box. Water-meter box.

Brace construction for headers. G. H. Harris. 1,536,293; May 5.

Bracket: *See*—
Bag-holder bracket. License-card bracket.

Brake: *See*—
Automatic brake. Railway brake.
Circulation brake. Vehicle brake.

Brake-beam support. B. Haskell. 1,537,028; May 5.

Brake-beam supports to spring planks, Securing. B. Haskell. 1,537,029; May 5.

Brake-drum construction. E. W. Goeser. 1,536,667; May 5.

Brake extension. T. J. O'Leary. 1,536,966; May 5.
Brake mechanism. H. M. Crane. 1,536,076; May 5.
Brake-operating mechanism. A. F. Klasing. 1,536,797; May 5.
Bread compound. J. W. Dubraka. 1,537,043; May 5.
Brightening agent. A. W. Young. 1,537,020; May 5.
Brush, Expanding. G. J. Meyer and E. A. Tischer. 1,536,302; May 5.
Brush rigging. L. Caruso. 1,536,329; May 5.
Brush, Scrubbing. A. A. Leraas. 1,536,676; May 5.
Buckle. L. B. Lovejoy. 1,536,114; May 5.
Buckle. C. E. Nichols. 1,536,621; May 5.
Building structure, Metallic. H. Krekel. 1,536,717; May 5.
Bull hook. O. A. Wirkkala. 1,536,788; May 5.
Bumper. A. P. Riedele. 1,536,269; May 5.
Burglar alarm. A. H. Keller. 1,536,868; May 5.
Burglar and fire alarm apparatus. R. H. Rose. 1,536,933; May 5.
Burglary-protection means. F. C. Mason. 1,536,804; May 5.
Burner: *See*—
Dental burner. Hydrocarbon burner.
Gas burner. Oil burner.
Gas-light burner.
Button. H. Rosen. 1,536,530; May 5.
Button, Cuff. R. E. Deuscher. 1,536,193; May 5.
Button-making machine. E. Clemens. 1,536,423; May 5.
Buttonhole, Stitched. E. B. Allen. 1,537,022; May 5.
Buttons or the like to fabrics or any other kind of material, Device for securing. V. Sabadello. 1,536,270; May 5.
Cabinet, Extensible wall. E. T. Osborn. 1,536,518; May 5.
Cabinet for holding shaving requisites. M. B. Behrman. 1,536,468; May 5.
Cable and making the same. E. A. Conner. 1,536,661; May 5.
Cadmium, Coloring. A. W. Young. 1,537,053; May 5.
Cadmium plating. M. E. Louth and A. W. Young. 1,537,047; May 5.
Cake-forming machine. R. A. Trace. 1,536,951; May 5.
Calculating device. J. W. M. Du Mond. 1,536,574; May 5.
Calculator. J. A. Smith. 1,536,536; May 5.
Calendar. E. N. Ferdon. 1,536,429; May 5.
Caliper, C. B. Fields. 1,536,576; May 5.
Caliper, Printer's. F. A. Pfeifer. 1,536,307; May 5.
Calking or similar operations, Gun for. S. Crewe. 1,536,477; May 5.
Camera tripod. R. Swinford. 1,536,985; May 5.
Cameras, Air-pressure film holder for aviation. W. F. Folmer. 1,536,335; May 5.
Cameras, Shutter-control mechanism for folding. W. F. C. Devlin and S. W. Graham. 1,536,480; May 5.
Cameras, Tripod connection for. J. A. Robertson. 1,536,143; May 5.
Can-making machinery. J. R. Klin. 1,536,107; May 5.
Can opener. V. E. Baker. 1,536,053; May 5.
Can opener. G. W. Bright. 1,536,070; May 5.
Can opener and closure. R. Lorens. 1,536,898; May 5.
Candy unit. S. I. Epstein. Des. 67,192–4; May 5.
Car construction. A. Campbell. 1,537,050; May 5.
Car construction, Railway-. A. Campbell. 1,537,051; May 5.
Car, Railway. T. Elliott. 1,536,287; May 5.
Car, Railway. H. C. Priebe. 1,536,135–6; May 5.
Car roof, Freight. G. R. Joughins. 1,536,395; May 5.
Car seal. E. Dietze. 1,536,822; May 5.
Car-uncoupling mechanism. H. C. Priebe. 1,536,132; May 5.
Cars, Releasable stake pocket for railway. J. O'Halloran. 1,536,914; May 5.
Carbon black, Producing. W. K. Lewis. 1,536,612; May 5.
Carbonizing. G. W. Wallace. 1,536,696; May 5.
Carburetor control. J. C. Youngblood. 1,536,645; May 5.
Carburetors, Air cleaner for. F. S. Orem. 1,536,726; May 5.
Card rack. S. Orzechovski. 1,536,263; May 5.
Carpet or similar article. H. Elmer. Des. 67,245; May 5.
Carriages, Brake mechanism for baby. G. W. Clark. 1,536,285; May 5.
Carrier: *See*—
Tire carrier.
Carrier-dispatch systems, Power controller for. J. T. Cowley. 1,536,424; May 5.
Carrying articles from the wrist, Device for. C. Moreaux. 1,536,683; May 5.
Carton-making machine. W. D. Kimball and A. E. Rideout. 1,536,222; May 5.
Case: *See*—
Display case.
Casing head. W. L. McLaine and W. L. Borough. 1,536,680; May 5.
Casting iron in metal molds. D. H. Meloche. 1,536,904; May 5.
Casting machine, Stereotyper's. M. H. Fisher. 1,536,089; May 5.
Casting pottery. A. E. Stacey, jr. 1,536,358; May 5.
Castings in permanent molds by the heat of the metal cast, Producing self-annealed cast-iron. D. H. Meloche. 1,536,905; May 5.
Ceiling light. M. Klein. Des. 67,212; May 5.
Cellulose acetate, Intermediate product in the manufacture of. P. C. Seel. 1,536,311; May 5.
Cellulose derivatives, Manufacture of compositions or preparations with. W. Bader and W. A. Dickie. 1,536,052; May 5.
Cementlike, mortar-forming agents, Producing hydraulic, particularly. O. Tetens. 1,536,165; May 5.
Centrifugal extractor. E. W. Wagner. 1,536,248; May 5.
Centrifugal machine. C. A. Olcott. 1,536,915; May 5.
Chair base. T. W. Foote. Re16,064; May 5.
Chandelier. M. Klein. Des. 67,213; May 5.
Check protector. A. Varetoni. 1,536,991; May 5.
Chemical product. C. Dickens. 1,536,379; May 5.
Chick founts, Guard for. R. S. Whitman. 1,536,609; May 5.
Chiropractic table. C. A. Phillips. 1,536,364; May 5.
Churn-operating mechanism. W. J. West. 1,536,955; May 5.
Cigar lighter, Electric. E. C. Allen. 1,536,049; May 5.
Cigar machines, Method of and apparatus for feeding tobacco to. A. A. Heyman. 1,536,216; May 5.
Cigarette and match box, Combination. S. W. Denny. 1,536,570; May 5.
Cigarette-rolling device, Pocket. J. Petz. 1,536,923; May 5.
Circuit-continuing device. H. A. Douglas. 1,536,082–3; May 5.
Circuit elements, Panel mounting for variable-. A. H. Grebe. 1,536,840; May 5.
Circuit interrupter. G. Fussner. 1,536,336; May 5.
Circulation brake, Forced-. H. E. Bukowsky. 1,536,558; May 5.
Clamp: *See*—
Belt clamp. Suspension clamp.
Rail or track clamp. Wire clamp.
Clamping device. H. Röthlisberger. 1,536,310; May 5.
Cleaner: *See*—
Type cleaner. Windshield cleaner.
Window cleaner.
Cleaning apparatus. E. Thomas. 1,536,947; May 5.
Clip: *See*—
Electric-switch clip. Pencil clip.
Clip structure. W. Schmid. 1,536,149; May 5.
Clock. A. Valli. 1,536,169; May 5.
Clock, Automatic calendar. A. Andresen. 1,536,647; May 5.
Clock, Self-winding. M. A. Standow. 1,536,159; May 5.
Clock-winding mechanism. J. F. Hennessey. 1,536,850; May 5.
Cloth-folding machines, Guard for. C. T. Graham. 1,536,709; May 5.
Cloth rack, Rotatable. W. Kwiatkowski and H. Wieschon. 1,536,889; May 5.
Clothes-retaining rack. A. W. Winship. 1,536,993; May 5.
Clothesline. M. Hausman. 1,536,493; May 5.
Clutch. M. F. Judd. 1,536,588; May 5.
Coal-chute construction. F. E. Wall. 1,536,642; May 5.
Coin-controlled mechanism. R. Royal. 1,536,145; May 5.
Coin package. L. J. Dickey. 1,536,481; May 5.
Collapsible tube. F. Herschmann. 1,537,010; May 5.
Collapsible tube. H. B. Lermer. 1,536,443; May 5.
Column-head frame. A. P. Skaer. 1,536,942; May 5.
Comb: *See*—
Heated comb.
Comb. B. Silverman. 1,536,534; May 5.
Combs, Reenforcing toilet and other. J. T. Fanning. 1,536,485; May 5.
Commutator. L. Caruso. 1,536,328; May 5.
Computing machine. T. J. Wavrunek. 1,536,171; May 5.
Concentrating machine. E. J. Webb. 1,536,173; May 5.
Concentrator and flotation separator. W. R. Morris. 1,536,236; May 5.
Concrete construction. C. B. Foster. 1,536,202; May 5.
Concrete-mixing apparatus. C. M. Eberling. 1,537,026; May 5.
Condenser. P. G. Jacobson. 1,536,860; May 5.
Condenser. A. E. L. Scanes and O. R. Verity. 1,536,148; May 5.
Condenser, Electric. E. Thomson. 1,536,948; May 5.
Condenser, Electric. B. R. Webster. 1,536,954; May 5.
Condensers, Auxiliary apparatus for. R. Sucsek. 1,536,242–3; May 5.
Contact device, Variable-. W. O. Amsler. 1,536,321; May 5.
Contact points, Tool for truing. N. A. Anderson. 1,536,602; May 5.
Container. S. Levey. Des. 67,216; May 5.
Control post. N. E. Methlin. 1,536,515; May 5.
Controlling switch. F. Z. Barrundia. 1,536,999; May 5.
Cooky cutter. H. H. Muirhead. 1,536,685; May 5.
Cooking utensil. L. Sussman. 1,536,244; May 5.
Corn pickers, Attachment for. P. F. Kurtenbach. 1,536,887; May 5.
Corrugating machine. S. Loafea. 1,536,897; May 5.
Cotter pins, Method of and apparatus for making. W. M. Britton. 1,536,284; May 5.
Cotton drier. E. Wunderlich. 1,536,958; May 5.
Coupler. E. H. Gold. 1,536,785; May 5.
Coupler lock, Hose-. E. A. Russell. 1,536,814; May 5.
Crystal detector. G. A. Rosenfelder. 1,536,974; May 5.
Cue tip. G. A. Brockway. 1,536,652; May 5.

Cuff holder. R. C. Greene. 1,536,210; May 5.
Cultivator attachment. F. Wulff. 1,536,367; May 5.
Cultivator shovel. J. C. Mecklenburg. 1,536,120; May 5.
Cultivator, Two-row. H. R. Traphagen. 1,536,168; May 5.
Curling irons, Assembly for. L. Tronc. 1,536,246; May 5.
Current system, Carrier-. J. Mills. 1,536,907; May 5.
Curtain-rod fastener. W. Sparks. 1,536,412; May 5.
Cutter: *See*—
Cooky cutter. Rope cutter.
Cutter head, Adjustable. R. L. Carter. 1,536,659; May 5.
Cyclone dust collector. H. Klug. 1,536,592; May 5.
Decorative facing, Preparing a. H. G. Jaeger. 1,536,099; May 5.
Dehydrating. C. E. Giessner. 1,536,291; May 5.
Dental burner. E. E. Dalton. 1,536,079; May 5.
Dental X-ray-film package. M. B. Hodgson. 1,536,341; May 5.
Dental X-ray-film package. J. G. Jones and H. G. Dewey. 1,536,345; May 5.
Dentifrice material. F. W. Nitardy. 1,536,305; May 5.
Derrick reenforcement, Steel. T. A. L. Bowen. 1,536,651; May 5.
Detergent, Prophylactic. O. Lowy. 1,536,301; May 5.
Diazo derivatives of aminoazo compounds, Preparation of. K. Heusner and M. Simon. 1,536,713; May 5.
Differential. R. G. Nelson. 1,536,724; May 5.
Disinfectant. T. H. Hall. 1,536,843; May 5.
Disk wheel, Resilient. H. C. Anderson. 1,536,743; May 5.
Display box. A. Bulova. 1,536,765; May 5.
Display case, Anatomical. C. A. Moorman. 1,536,125; May 5.
Display container, Folding. E. O. Tinsley. 1,536,950; May 5.
Display device, Continuously-flowing. E. A. Brown. 1,536,188; May 5.
Display device for bottles and the like. H. F. Maupai. 1,536,445; May 5.
Display rack. E. Y. Crossmore. Des. 67,186; May 5.
Door, Automatic folding. W. M. Karr. 1,536,867; May 5.
Doorcheck. F. K. Eastman. 1,536,391; May 5.
Door-control system, Unit. H. Rowntree. 1,536,813; May 5.
Door hanger. H. Wolters and M. Hartman. 1,536,548; May 5.
Doorlatch. G. Q. Lewis. 1,536,110; May 5.
Door lock, Exit-. H. W. Dyer. 1,536,829; May 5.
Door, Revolving. H. W. Dyer. 1,536,196; May 5.
Doors and windows, Weather strip for. M. P. Halbert. 1,536,842; May 5.
Doors, Speed governor for revolving. H. W. Dyer. 1,536,197; May 5.
Dough-molding machine. F. X. Lauterbur. 1,537,018; May 5.
Dough, Treating. F. X. and E. J. Lauterbur. 1,536,224; May 5.
Draft break hook. G. W. Bryant. 1,536,656; May 5.
Draft equalizer. P. O. Heller. 1,536,849; May 5.
Drier: *See*—
Cotton drier. Fruit and vegetable drier.
Drier or preheater. E. P. Ogden. 1,536,406; May 5.
Drill: *See*—
Exploring drill. Hand drill.
Drill. F. W. Thruston. Re16,061; May 5.
Drilling apparatus, Casing hook for. G. A. Montgomery. 1,536,617; May 5.
Drills, Auxiliary column and drill head for radial. W. T. Sears. 1,536,730; May 5.
Drills, Clamping mechanism for radial. C. F. Randolph and C. L. Ricards. 1,536,727; May 5.
Drinking vessels, Advertising device for. F. C. Kade. 1,536,716; May 5.
Drying materials, Method of and apparatus for. J. J. Merrill. 1,536,806; May 5.
Duster, Crop. E. Knapp and C. G. Allgrunn. 1,537,014; May 5.
Dyeing textile fabric, paper, and like materials. M. Schols. 1,536,151; May 5.
Dyes, Sulphurized. O. Spengler and K. Kreutzer. 1,536,731; May 5.
Easel carton. E. O. Tinsley. 1,536,949; May 5.
Eductor. H. B. and F. E. Hartman. 1,536,180; May 5.
Electric cleaning device. C. C. Oatey. 1,536,687; May 5.
Electric heater. C. L. Heisler. 1,537,035; May 5.
Electric heating unit. E. Probst. 1,536,926; May 5.
Electric-light bracket. C. B. Rogers. Des. 67,233; May 5.
Electric-light fixture. J. W. Hancock. Des. 67,205; May 5.
Electric machine, Dynamo-. V. G. Apple. 1,536,279; May 5.
Electric machine, Dynamo-. F. Creedy. 1,536,077; May 5.
Electric-signal wiring system. J. H. Derby and J. E. Bowden. 1,536,191; May 5.
Electric sockets, Extension plug for. L. P. Pellegren. 1,536,522; May 5.
Electric switch. C. Christensen. 1,536,772; May 5.
Electric switch. H. A. Douglas. 1,536,086; May 5.
Electric switch. J. D. Hilliard. 1,536,852; May 5.
Electric switch. C. L. Hopkins. 1,536,294; May 5.
Electric-switch clip. H. E. Leppert. 1,536,442; May 5.
Electric system, Self-supervised. J. H. Derby. 1,536,192; May 5.
Electric translating devices, System and switch for controlling. J. Eaton. 1,536,830; May 5.
Electrical connecting and supporting devices, Receptacle for. E. C. White. 1,536,318; May 5.
Electrical-fixture-supporting device. R. B. Benjamin. 1,536,322; May 5.
Electrical switch. C. L. Hopkins and W. F. Hinkle. 1,536,295; May 5.
Electrical wiring system. E. E. Ashley, jr. 1,536,746; May 5.
Electrodepositing bright polished coats of cadmium. C. H. Humphries. 1,536,858; May 5.
Electro-discharge device. W. G. Houskeeper. 1,536,855; May 5.
Electrolytic apparatus, Balancing means for. R. D. Mershon. 1,536,233; May 5.
Electromagnetic device. J. R. Fry. 1,536,784; May 5. 1,536,855; May 5.
Electroplating. C. H. Humphries. 1,536,859; May 5.
Elevator: *See*—
Beet elevator.
Elevators, Interlocking device for. F. C. Holberg, jr. 1,536,342–3; May 5.
Embroidery. E. Boshardt. 1,536,471; May 5.
Embroidery-machine fabric holder. O. Meyer. 1,536,447; May 5.
Engine: *See*—
Internal-combustion engine. Toy gas engine.
Piston engine.
Engine art, Automotive. O. H. Ensign. 1,536,780; May 5.
Engine for vehicle wheels, Rotary. A. J. Williams. 1,536,737; May 5.
Engine structure, Fluid-pressure-. J. B. Thomas. 1,536,166; May 5.
Engines, Air supply attachment for internal-combustion. F. H. A. Knackstedt. 1,536,871; May 5.
Engines, Ascertaining leakage of pistons of double-acting internal-combustion. G. J. Lugt. 1,536,115; May 5.
Engines, Fuel-spraying nozzle for internal-combustion. A. R. Robbins. 1,536,931; May 5.
Engines, Priming means for motor-cycle. A. and H. Schulze. 1,536,532; May 5.
Engines, Separator and vaporizer attachment for internal-combustion. R. B. Sargent. 1,537,038; May 5.
Engines, Stopping mechanism for internal-combustion. O. Rehme. 1,536,629; May 5.
Engines, Valve-chest construction for steam. W. J. Knox. 1,536,798; May 5.
Esters, Purification of. H. F. Willkie. 1,536,545; May 5.
Ethers, Purifying. H. F. Willkie. 1,536,544; May 5.
Evaporating apparatus. S. M. Lillie. 1,536,894; May 5.
Evaporators, Preheating device for concentrating. L. J. Barthelemy. 1,536,873; May 5.
Exhaust box and cooler. C. J. Pugh. 1,536,527; May 5.
Exploring drill. O. B. Anderson. 1,536,600; May 5.
Extractor: *See*—
Centrifugal extractor.
Extricating device. F. Palao. 1,536,967; May 5.
Fabric: *See*—
Pile fabric.
Fabric-treating machine. C. W. Young. 1,536,644; May 5.
Facing tool. J. F. Bryer. 1,536,878; May 5.
Fan, Ventilator blower. H. H. Heath and A. J. Mottlau. 1,536,846; May 5.
Feed accelerator, Even-. E. P. Conwell. 1,536,776; May 5.
Feeder, Baby-chick. B. W. Miller. 1,536,234; May 5.
Feeder for blanks, Combination. L. E. La Bombard and M. H. Sidebotham. 1,536,799; May 5.
Feeder, Percentage. C. W. Carter. 1,536,073; May 5.
Felted, fibrous, waterproof sheet, Making. L. Kirschbraun. 1,536,399; May 5.
Fibers by electrolysis, Impregnation of. H. Cruse. 1,536,569; May 5.
Filter and water separator, Combined. W. W. Nugent. 1,536,911; May 5.
Finger ring. S. Grossman. Des. 67,200; May 5.
Finger ring. L. E. Sadler. 1,536,815; May 5.
Finger ring. M. E. Soman. Des. 67,243; May 5.
Finger ring. D. S. Thomas. 1,536,540; May 5.
Finger ring. E. Troya. Des. 67,244; May 5.
Finger-ring tag. J. Dinhofer. 1,536,260; May 5.
Fire brush and hoe, Combination. H. A. Wegner. 1,536,542; May 5.
Fire door, Air-chamber. H. A. Johnson. 1,536,587; May 5.
Fire extinguisher. L. Robinson. 1,536,144; May 5.
Fishing-tackle box. G. Swanson. 1,536,315; May 5.
Flatiron connection, Electric. I. R. Osborn. 1,536,688; May 5.
Flax puller. E. Pusch. 1,536,455; May 5.
Floor board. J. M. Jackson. 1,536,182; May 5.
Floor-scrubbing machine. W. Majusick. 1,536,615; May 5.

Flow-proportioning apparatus. G. H. Gibson. 1,537,044; May 5.
Fluid-compressing apparatus. R. Suczek. 1,536,539; May 5.
Fluid-compressing apparatus. R. Suczek. 1,536,984; May 5.
Fluid heater. L. L. Gorr. 1,536,786; May 5.
Fluxing material. T. H. Reighard. 1,536,239; May 5.
Folding mechanism. J. J. Halliwell. 1,536,581; May 5.
Food product. R. B. Haley and E. G. Zinn. 1,536,791; May 5.
Foot, Artificial. J. Beck and C. E. Steele. 1,536,177; May 5.
Fork: *See*—
Plaster fork.
Fountain for dispensing beverages. H. Gehring. Des. 67,197; May 5.
Frame: *See*—
Axminster tube frame. Lantern frame.
Column-head frame.
Fringe. F. W. Oehrle. Des. 67,226–7; May 5.
Fruit and vegetable drier. B. P. Ross. 1,536,935; May 5.
Fruit gatherer. G. A. Ayers. 1,536,554; May 5.
Fruit gatherer. W. G. L. Totten. 1,536,167; May 5.
Furnace: *See*—
Smoke-consuming furnace. Tilting furnace.
Furnace attachment. C. E. Betcher. 1,536,650; May 5.
Furnace dampers. Device for operating open-hearth-. C. E. Lehr. 1,536,226; May 5.
Furnace doors. Means for automatically closing. R. W. Stewart. 1,536,160; May 5.
Furnaces, Humidifying attachment for. J. A. Martin. 1,536,229; May 5.
Furs, skins, hairs, feathers, or the like, Dyeing. P. Onnerts. 1,536,725; May 5.
Fuse, Shell. F. G. L. Johnson. 1,536,219; May 5.
Galvanic cell. S. Apostoloff. 1,537,023; May 5.
Game. E. H. Hobbs. 1,536,672; May 5.
Game. C. A. Van Beek. 1,536,639; May 5.
Game apparatus. P. J. McGrath and J. W. Hallowell. 1,536,510; May 5.
Game, Magnet target. A. F. Kolinski. 1,536,426; May 5.
Game, Mechanical baseball. H. McNall. 1,536,513; May 5.
Garter, Half-hose. F. E. Browne. 1,536,472; May 5.
Gas burner. J. P. Reinecke. 1,536,631; May 5.
Gas heaters, Burner for. H. Kielberg. 1,536,590; May 5.
Gas-light burner. F. De Gruchy. 1,536,818; May 5.
Gas-venting device. S. L. Goldman. 1,536,668; May 5.
Gasoline-vaporizing gland. B. W. Kummer. 1,536,299; May 5.
Gate: *See*—
Automatic gate. Railway gate.
Gate construction, End-. V. T. C. Peterson. 1,536,523; May 5.
Gauge. E. B. Crocker. 1,536,478; May 5.
Gear, Draft. H. C. Priebe. 1,536,133–4; May 5.
Gear-testing device, Bevel-. H. D. Tanner. 1,536,734; May 5.
Gearing, Power-transmission. H. L. Guy and P. L. Jones. 1,536,092; May 5.
Generator of the arc type, Oscillation. H. C. Rentschler. 1,537,021; May 5.
Generators, Voltage-regulating means for direct-current. J. Y. Hartman and R. L. Fuller. 1,536,845; May 5.
Glass and batch therefor. J. C. Parkinson. 1,536,920; May 5.
Glass and making it, Absorption. J. C. Parkinson. 1,536,919; May 5.
Glass blanks, Apparatus for feeding. W. Owen. 1,536,918; May 5.
Glass leer. M. W. Gleason and C. G. Miller. 1,537,027; May 5.
Glass-polishing apparatus, Plate-. H. S. Heichart. 1,536,847; May 5.
Glass-polishing apparatus, Plate-. W. Owen. 1,536,917; May 5.
Gloves, Machine for knitting. F. E. Jones. 1,536,863; May 5.
Golf apparatus. A. Sagl. 1,536,976; May 5.
Golf club. J. T. Manning. 1,536,616; May 5.
Golf instruction, Device for. A. C. McLaren. 1,536,512; May 5.
Grain containers, Closure for. W. H. Peath. 1,536,525; May 5.
Grain shocker. G. Innes. 1,536,794; May 5.
Graves, Metal protector for. C. E. Carr. 1,536,658; May 5.
Grill, Electric. V. B. Stouffer. 1,536,538; May 5.
Grinder wheels, Truing device for. J. D. Green. 1,536,269; May 5.
Grinders, Apparatus for dressing. A. L. Currier. 1,537,025; May 5.
Grinding and pulverizing friable substances, Machine for. J. P. Van Gelder. 1,536,990; May 5.
Grinding surfaces, Dressing or re-forming. J. P. Kemp. 1,536,398; May 5.
Grinding wheels, Guard for. E. L. Connell. 1,536,565; May 5.
Grips, Adjustable sling for handle. O. T. Gregory. 1,536,211; May 5.
Gumming machine. A. B. McLaren. 1,536,511; May 5.
Gymnastic apparatus. V. Calzetti. 1,536,250; May 5.
Hair curler. M. L. Henry. 1,536,387; May 5.
Hair cutter and safety razor, Combination. J. H. Cowan. 1,536,662; May 5.
Halter. J. Lawson. 1,536,507; May 5.
Hammer, Pneumatic. E. W. Stevens. 1,536,587; May 5.
Hand bags and product thereof, Making. J. S. Meyer. 1,536,121; May 5.
Hand bar for physical training. W. U. Alnstale. 1,536,048; May 5.
Hand drill. C. Bodmer. 1,536,758; May 5.
Handle. H. Wilson. Des. 67,248; May 5.
Handle lock, Selector-. G. J. Neth. 1,536,126; May 5.
Hanger: *See*—
Door hanger.
Harness, Hook coupling for. J. C. Nichols. 1,536,622; May 5.
Harvesting machines, Cutting mechanism for. F. W. Mehls. 1,536,514; May 5.
Hat, Ventilated. S. and A. Fritz. 1,536,577; May 5.
Hats, Sweatband for. H. E. Aldrich. 1,536,998; May 5.
Headlamp. H. A. Douglas. 1,536,085; May 5.
Headlamp-control device. G. H. Soldani. 1,536,978; May 5.
Headlight. A. H. Englund. 1,536,068; May 5.
Headlight. A. P. Saffert. 1,536,146; May 5.
Headlight-dimming attachment for automobiles, Automatic. C. M. Wiseman. 1,536,366; May 5.
Headlight, Dirigible. C. E. Sparhawk. 1,536,158; May 5.
Headlight shade. G. Y. Chambliss. 1,536,770; May 5.
Hearing device for partly-deaf persons. H. L. Lessard. 1,536,109; May 5.
Heat distributor. A. P. Langlois. 1,536,891; May 5.
Heated comb. C. Grant. 1,536,669; May 5.
Heater: *See*—
Air heater. Orchard heater.
Electric heater. Water heater.
Fluid heater.
Heater. J. J. Connors. 1,536,075; May 5.
Heater. J. E. McMinn. Des. 67,218; May 5.
Heater frame. J. Roy. Des. 67,235; May 5.
Heating apparatus. J. B. Allington and C. L. Cadle. 1,536,646; May 5.
Heating apparatus. G. E. Custer. 1,536,257; May 5.
Heating devices, Temperature-controlled. R. C. Pierce. 1,536,689; May 5.
Heating system. J. Mullen and L. S. Harvey. 1,536,686; May 5.
Heating system, House-. H. M. Esselen. 1,536,484; May 5.
Heel-blank breast-shaping machine. H. W. Russ. 1,536,691; May 5.
High-pressure vessels, Cover for. G. Scheib. 1,536,272; May 5.
High-tension devices, Coil support for. B. F. Jancke. 1,537,012; May 5.
Hinge construction. A. T. Potter. 1,536,626; May 5.
Hinge, Door and window screen. C. F. Geschickter. 1,536,490; May 5.
Holding device. A. W. Nelson. 1,536,909; May 5.
Hollow bodies of steel, alloys, or other metals, Manufacturing. T. Becker. 1,537,041; May 5.
Hook: *See*—
Bull hook. Draft brake hook.
Hook for mending runs. O. C. Semonsen. 1,536,274; May 5.
Hopple. T. Young. 1,536,551; May 5.
Hosiery. J. E. Fitzgibbon. Des. 67,195; May 5.
Hub and spoke connection. N. Lozano. 1,536,509; May 5.
Humidifier. E. G. Alden. 1,536,741; May 5.
Hydrocarbon burner. R. O. Humphrey. 1,536,583; May 5.
Hydrocarbon motor. H. D. Church. 1,536,330; May 5
Hydrogen peroxide, Process and apparatus for manufacturing. A. L. Halvorsen. 1,536,213; May 5.
Ice-cream-dishing device. R. D. Emmons. 1,536,190; May 5.
Ice-cream freezer. T. L. Valerius. 1,536,247; May 5.
Ice-cream-molding machine. J. W. Carpenter. 1,536,420; May 5.
Ice saw. S. T. Freas. 1,536,783; May 5.
Ignition-controlling apparatus. A. Howard. 1,536,582; May 5.
Impeller, Radial. M. J. Nusim. 1,536,306; May 5.
Incinerator, Rubbish. H. B. Bornside. 1,536,470; May 5.
Index device, Demonstrating. D. McDonald. 1,536,119; May 5.
Induction apparatus, Stationary. F. F. Brand. 1,536,761; May 5.
Insulating board, Keyed. C. A. Rolfe. 1,536,982; May 5.
Insulating metallic tie, Rail-. W. P. Day. 1,536,880; May 5.
Insulator. A. O. Austin. 1,536,749; May 5.
Internal-combustion engine. P. C. Hewitt. 1,536,851; May 5.
Invalid lifter. H. H. Cammann. 1,536,706; May 5.
Iron and cement, Making. R. C. Eckel. 1,536,281–2; May 5.
Ironing board. M. J. Schackmann. 1,536,271; May 5.

Ironing machine. F. D. Chapman. 1,536,771; May 5.
Ironing machine. R. J. Miller. 1,536,235; May 5.
Ironing, Method of and apparatus for. M. H. Thurnauer. 1,536,637; May 5.
Jack: *See*—
Vehicle jack.
Jewelry, Combination. J. Codman. 1,536,180; May 5.
Key. E. R. Vives. 1,537,049; May 5.
Key lock. E. Soderquist. 1,536,240; May 5.
Kiln, Reversible circulation internal fan. R. Thelen. 1,536,785; May 5.
Knife, Paring. G. A. Veomett. 1,536,170; May 5.
Knitted fabric. F. W. Oehrle. Des. 67,228–30; May 5.
Knitted fabrics, Holder for. O. C. Semonsen. 1,536,275; May 5.
Knitting machines, Patten-control mechanism for. W. Fels. 1,536,200; May 5.
Knitting machines, Tucking means for. C. J. Sutphen. 1,536,946; May 5.
Label-wiping station. C. R. Fredsell. 1,536,836–7; May 5.
Labeling machine. L. Fischer. 1,536,781; May 5.
Labeling machines, Magazine for. C. R. Fredsell. 1,536,835; May 5.
Ladders, Antislipping device for. W. A. Hearn. 1,536,434; May 5.
Lamp bowl. H. T. Downs. Des. 67,191; May 5.
Lamp, Cowl. H. A. Douglas. 1,536,084; May 5.
Lamp, Motor. A. C. Wood. 1,536,174; May 5.
Lamp socket for Christmas-tree lighting. H. M. R. Dam. 1,536,332; May 5.
Lamp stand. A. P. Albright. Des. 67,183; May 5.
Lamp-stand base. F. Yokel. Des. 67,251; May 5.
Lamps, Means for supporting. H. H. Meyer, jr. 1,536,516; May 5.
Lamps or similar articles, Pedestal for. S. Sobel. Des. 67,241–2; May 5.
Land-burning machines, Pump for. V. W. Parrish. 1,536,521; May 5.
Land-clearing machine. G. E. Nelson. 1,536,406; May 5.
Lantern frame. A. H. Handlan. 1,536,292; May 5.
Last. C. M. Searl. 1,536,153–5; May 5.
Lathe, Last. G. B. Magoon. 1,536,721; May 5.
Lathing strip. I. W. Jamieson. 1,536,862; May 5.
Laundry apparatus. L. R. Hurst. 1,536,218; May 5.
Lead compounds, Treating. A. Nathanson. 1,536,618; May 5.
Leather-graining machine. J. W. Aulson. 1,536,368–9; May 5.
Ledger, Loose-leaf. E. W. Hill. 1,536,495; May 5.
Ledger with visualized arrangement of account sheets, Loose-leaf. W. A. Ringler. 1,536,930; May 5.
Lenses and lens blanks, Making toric. T. B. Drescher. 1,536,828; May 5.
License-card bracket. A. L. Lowe. 1,536,900; May 5.
License-number-plate holder. R. W. Watts. 1,536,414; May 5.
License plate. H. T. H. Stuebgen. 1,536,460; May 5.
Life preserver. T. I. Potter. 1,536,627; May 5.
Lifter: *See*—
Invalid lifter. Window lifter.
Light. B. E. Norvell. 1,536,623; May 5.
Lighter. H. Grossmann. 1,536,671; May 5.
Lighting fixture. M. Klein. Des. 67,210–11; May 5.
Lighting-fixture bobesche or adapter. W. B. Goddard. Des. 67,198; May 5.
Lighting-fixture bracket lantern. F. E. Crowell. Des. 67,187; May 5.
Lighting-fixture bracket or an article of similar nature. I. Rosenblatt. Des. 67,234; May 5.
Lighting-fixture plate. C. A. Kuster. Des. 67,214; May 5.
Lighting-fixture ring. W. B. Goddard. Des. 67,199; May 5.
Lighting-fixture spindle. W. Abrams. Des. 67,181–2; May 5.
Lighting fixtures, Shade holder for. E. W. Howe. 1,536,500; May 5.
Lighting unit. W. Harrison and J. H. Waterbury. 1,536,844; May 5.
Liquid dispenser. J. N. Burno. 1,536,476; May 5.
Liquid-dispensing apparatus. J. N. Burno. 1,536,475; May 5.
Liquid-dispensing apparatus. G. W. Mackenzie. 1,536,402; May 5.
Liquid-treating apparatus. K. W. Bartlett. 1,536,064–63; May 5.
Loader and car unloader, Combination portable. G. P. Ball. 1,536,608; May 5.
Loading apparatus. C. J. Smith. 1,536,535; May 5.
Loading machine. W. B. Conant. 1,536,331; May 5.
Lock: *See*—
Auto lock. Key lock.
Coupler lock. Tire lock.
Door lock. Trunk lock.
Handle lock. Valve lock.
Locomotive, Tractor. S. G. Jones. 1,536,864; May 5.
Loom. C. H. Draper. 1,536,827; May 5.
Loom-check mounting. J. A. Andrews and J. W. Herbert. 1,536,745; May 5.
Loom cutter stop, Plush-. W. Bellmar. 1,537,000; May 5.
Loom, Terry. W. Doriety and C. MacArthur. 1,536,194; May 5.
Looms, Lay rocker-shaft bearing for. A. E. Rhoades. 1,536,811; May 5.
Looms, Shuttle-changing mechanism for. G. Crompton, jr. 1,537,006–7; May 5.
Looms, Take-up mechanism for. J. Northrop. 1,536,128; May 5.
Loop, Footman. H. Wilson. Des. 67,249; May 5.
Loud speaker. H. Manovill. Des. 67,217; May 5.
Lubricating stuffing box. F. S. Craven. 1,536,378; May 5.
Lubricator: *See*—
Typewriter-friction-rail lubricator.
Lumber for drying purposes, Piling. C. D. Baldwin. 1,536,750; May 5.
Machinery guard. J. Broughton. 1,536,762; May 5.
Magnesium sulphate, Manufacture of dilute solutions of. H. E. Brookby. 1,536,326; May 5.
Magnetic separation, Process and apparatus for. G. Ullrich. 1,536,541; May 5.
Magneto. E. B. Nowosielski. 1,536,450; May 5.
Magneto post. D. C. Husted. 1,536,584; May 5.
Mandolin. L. D. Millo. Des. 67,190; May 5.
Manicuring implement. A. Lutz. 1,536,901; May 5.
Marking machine. P. Ahlburg. 1,536,184; May 5.
Matrices, Machine for cleansing. J. B. Arnold., 1,536,186; May 5.
Mattress, Spring. B. Bond. 1,536,323; May 5.
Maximum-demand meter. J. Harris. 1,536,097; May 5.
Meat powders, Preparation of. W. F. Remus. 1,536,308; May 15.
Megaphone. E. W. Skinner. Des. 67,239; May 5.
Mercury switch. R. L. Knutsson. 1,536,439; May 5.
Metal article, Protected. J. H. Young. 1,536,550; May 5.
Metal bars, Method of and apparatus for cooling and annealing. J. R. George. 1,536,205; May 5.
Metals, Apparatus for cutting. J. Harris. 1,536,384; May 5.
Metallurgical operations, Carrying out. C. Steenstrup. 1,536,944; May 5.
Meter: *See*—
Maximum-demand meter.
Milk-bottle receiver and retainer. F. J. J. Emmerich; 1,536,883; May 5.
Milk can or container. G. Horvath. 1,536,497; May 5.
Milk-strainer attachment. G. P. Lagemann. 1,536,890; May 5.
Milking apparatus. W. A. Shippert and G. Bailey. 1,536,634; May 5.
Mill: *See*—
Pebble mill.
Milling cutters, Making. P. F. Vokal and A. W. Erdman. 1,536,736; May 5.
Mining machine. F. Cartlidge. 1,536,327; May 5.
Mining machine. F. Cartlidge. 1,536,422; May 5.
Mining machine. T. E. Pray. 1,536,131; May 5.
Mining machines, Draft device for. C. E. Davis. 1,536,795; May 5.
Mixer: *See*—
Paint mixer.
Molding composition. C. Ellis. 1,536,882; May 5.
Molds, Protecting the surfaces of metal. S. M. Udale and D. H. Meloche. 1,536,952; May 5.
Motor: *See*—
Hydrocarbon motor. Wind motor.
Motor-control mechanism. R. M. Dodd and J. A. McVay. 1,536,779; May 5.
Motor humidifier. C. M. Wilcox. 1,536,364; May 5.
Motors, Air and auxiliary pump arrangement for marine Diesel. P. L'Orange. 1,536,401; May 5.
Mounting vehicle wheels, Means for. B. M. Denham. 1,536,778; May 5.
Mower. A. Felton. 1,536,428; May 5.
Mower, Lawn. C. W. Gormly. 1,536,431; May 5.
Musical instruments, Pneumatic action for. C. G. Schnell. 1,536,150; May 5.
Nozzle for smoke abators. T. W. McCue. 1,536,230; May 5.
Numbering machine. A. H. Smith. 1,536,458; May 5.
Nut, Castellated. G. E. Carter. 1,536,767; May 5.
Nut-pinching machine, Lock-. I. C. Emery. 1,536,198; May 5.
Oil burner. A. R. Anthony. 1,536,046; May 5.
Oil burner. A. Arrowsmith. 1,536,747; May 5.
Oil burner. C. Buberl. 1,536,474; May 5.
Oil burner. L. de Flores. 1,536,705; May 5.
Oil burner. G. H. Sibley. 1,536,694; May 5.
Oil cooling and heating system. G. Horvath. 1,536,499; May 5.
Oil engines, Injection air regulator especially for marine. G. Pielstick. 1,537,052; May 5.
Oil pipe and burner coupling. C. Strachan and D. J. Irish. 1,536,983; May 5.
Oil-purifying mechanism. W. W. Nugent. 1,536,912; May 5.
Oiling machine. J. D. McMillan. 1,536,403; May 5.
Oiling system. C. E. Jeffers. 1,537,013; May 5.
Orchard heater. W. C. Scheu. 1,536,692; May 5.
Orchard heaters or the like, Burner for. A. C. Howard, G. E. Brittan, and J. A. Cook. 1,536,792; May 5.
Ore separator, Pneumatic. C. E. S. Burch. 1,537,024; May 5.

Ores, Method of and apparatus for roasting. M. F. Chase and J. Skogmark. 1,536,702; May 5.
Oven. J. F. Lamb. 1,537,031; May 5.
Ovens, Heating apparatus for gas-fired. A. M. Degner. 1,536,427; May 5.
Overall union garment. J. Morrison. 1,536,304; May 5.
Oxides, Preventing the crusty formation of solidified. C. H. Aldrich. 1,536,176; May 5.
Ozone, Generating. F. E. Hartman. 1,536,179; May 5.
Package for fragile or sensitive articles. S. Krotoschin. 1,537,015; May 5.
Packets, Machine for making and filling. A. Day. 1,536,258; May 5.
Packing, Expansible piston. G. C. Deakins and L. S. Hamer. 1,536,426; May 5.
Packing for spline connections of universal joints and the like. W. H. Thiemer. 1,536,986; May 5.
Packing ring, Metallic. R. A. Light and J. W. Price, jr. 1,536,595; May 5.
Paint mixer. N. A. Frydenlund. 1,536,203; May 5.
Panel-board installation. W. A. Stacey. 1,536,979; May 5.
Paper-box-folding machines, Blank-carrying mechanism for. L. E. La Bombard and M. H. Sidebotham. 1,536,800; May 5.
Paper-feeding device. L. B. Grasberger and J. T. Fay. 1,536,670; May 5.
Paper-making machine. A. Aldrich. 1,536,599; May 5.
Paper-pad holder and pencil retainer. J. C. F. Schafer. 1,536,937; May 5.
Paper-pulp from impurities, Freeing. H. Thomassen. 1,536,988; May 5.
Paper, Sheet of wrapping. E. Frisch. Des. 67,196; May 5.
Pebble mill. C. J. Gunderoth. 1,536,491; May 5.
Peeling or slicing vegetables, Utensil for. G. A. Lebrecht. 1,536,594; May 5.
Pencil clip. W. J. White. 1,536,698; May 5.
Perforating machine, Rotary. J. N. Pierce. 1,536,024; May 5.
Phonograph-record replayer. B. J. Raleigh. 1,536,972; May 5.
Phonograph records, Shaving device for. C. Schiff. 1,536,938; May 5.
Phonograph reproducer. J. Pavek. 1,536,909; May 5.
Phonographic needle. H. à Brassard. 1,536,739; May 5.
Photographic apparatus. G. Lane and J. E. Patterson. 1,536,718; May 5.
Photographic copy boards, Illuminating apparatus for. W. W. Ayres. 1,536,555; May 5.
Photographic printer. J. A. Ramsey. 1,536,356; May 5.
Photography, Method of and apparatus for stereoscopic. G. Lane and J. E. Patterson. 1,536,719; May 5.
Picker teeth for loaders. E. Martin. 1,536,444; May 5.
Pictures, Apparatus for taking and projecting motion. F. W. Lovejoy. 1,536,347; May 5.
Pictures in daylight, Exhibition of motion. W. C. Carroll. 1,536,421; May 5.
Pile fabric. H. Ruegg. 1,536,975; May 5.
Pin: *See*—
Bowling pin.
Pipe-perforating machine. W. W. Hartman. 1,536,433; May 5.
Pipe puller. H. C. Thrift. 1,536,418; May 5.
Pipes, columns, and other hollow articles, Means for the lining or manufacture, centrifugally, of. D. Moir and H. Buchanan. 1,536,682; May 5.
Piston. H. W. Pierce. 1,536,971; May 5.
Piston engine. H. C. Olivier. 1,536,262; May 5.
Piston engine Rotary. O. A. Thelin. 1,536,245; May 5.
Piston-ring compressor. F. S. Hill. 1,536,496; May 5.
Piston rods and crossheads, Coupling arrangement for. R. A. Mack. 1,537,037; May 5.
Piston suspension in pneumatic hubs with guide operation. B. von Loutzkoy. 1,536,641; May 5.
Pivotally-mounted bodies, Operating and retaining means for. G. N. Hein. 1,536,386; May 5.
Placard holder and support therefor. L. McFadden. 1,536,231; May 5.
Plant support. A. Markowski. 1,536,678–9; May 5.
Plaster fork. H. W. Yost. 1,536,319; May 5.
Plastic composition suitable for fiber flooring, Preparing. H. G. Jaeger. 1,536,098; May 5.
Plastic, Heat-reactive. C. Ellis. 1,536,881; May 5.
Plastic material and making same, Prematurely-cured. H. M. Weber. 1,536,253; May 5.
Plow, Road. A. B. Webb. 1,536,172; May 5.
Post: *See*—
Control post.
Magneto post.
Post construction. E. W. Carroll. 1,536,559; May 5.
Postage-meter machine, Changeable die meter for. A. H. Pitney. 1,536,925; May 5.
Pot: *See*—
Soldering pot.
Power-driven wrench. J. W. Slack. 1,536,157; May 5.
Power dump body. J. C. Gay, R. E. Smith, and H. J. Quirk. 1,536,290; May 5.
Power shovel. P. Burke. 1,536,608–9; May 5.
Power-transmission mechanism. E. G. Gunn. 1,536,339; May 5.
Press: *See*—
Baling press.
Printing press.
Press. B. M. Fine. 1,536,201; May 5.
Pressure block. C. G. Olson. 1,536,916; May 5.
Primer and choke. C. E. Reddig. 1,536,810; May 5.
Printer's quoin key. E. P. Hulse. 1,536,344; May 5.
Printing machine. W. R. Gordon. 1,536,207; May 5.
Printing machine. L. E. Morrison. 1,536,350; May 5.
Printing machine. H. H. Parmenter. 1,536,238; May 5.
Printing press. H. W. Hacker. 1,536,093; May 5.
Printing presses, Sheet-holding device for. L. E. Morrison. 1,536,351; May 5.
Printing presses, Suction-nozzle-supporting means for. P. L. Sibole. 1,536,313–14; May 5.
Printing presses, Tympan sheet for. S. E. Dittman. 1,536,333; May 5.
Projectile. U. C. Tainton. 1,536,164; May 5.
Projectile for use in catching whales and other mammals. A. Henkes. 1,536,494; May 5.
Pulley. G. O. Rockwood, L. C. McAnly, and J. W. Skelley. 1,536,410; May 5.
Puller: *See*—
Bearing-sleeve puller.
Pipe puller.
Flax puller.
Pulley, Driven and driving. A. Kégresse. 1,536,397; May 5.
Pulp and paper machine, Wet-web carrier for. W. E. Sheehan. 1,536,533; May 5.
Pulp and similar articles, Apparatus for making sheets of. D. M. Sutherland, jr. 1,536,163; May 5.
Pulp, Making articles from. S. Cooper. 1,536,566; May 5.
Pump, Axial-flow. H. F. Benson. 1,536,754; May 5.
Pump, Centrifugal. J. W. W. Drysdale and J. Young. 1,536,573; May 5.
Pump, Pneumatic. H. S. Rogers. 1,536,[illegible]2; May 5.
Pump, Pneumatic displacement. J. L. Latta. 1,536,720; May 5.
Pump regulator. H. S. Pardee. 1,536,264; May 5.
Pumps, Governing device for. O. Wechsberg. 1,536,697; May 5.
Quarts working. L. B. Miller. 1,537,036; May 5.
Rabbeting plane. B. F. Haley. 1,536,096; May 5.
Rack: *See*—
Card rack.
Clothes-retaining rack.
Cloth rack.
Rack. G. Franklin. 1,536,885; May 5.
Racket. F. P. Beal. 1,536,255; May 5.
Radiator. L. J. La Londe. 1,536,675; May 5.
Radiator cap. R. H. Hummert. Des. 67,206; May 5.
Radiators, Housing for exhaust-pipe. F. J. Klinka. 1,536,297; May 5.
Radiocabinet. P. F. Netzow. Des. 67,224; May 5.
Radio, Operation of printing apparatus by. D. B. Perry. 1,536,130; May 5.
Radiorheostat. A. E. Greene. 1,536,710; May 5.
Rail. B. F. Howse. 1,536,856; May 5.
Rail or track clamp. J. H. Stevens. 1,536,359; May 5.
Rail-support construction, Metallic. M. Matthael. 1,536,117; May 5.
Rail tie. C. Jones. 1,536,674; May 5.
Railway. C. A. Griffith. 1,536,789; May 5.
Railway brake. I. Droishammer. 1,536,572; May 5.
Railway-brake-beam levers and connections, Pin or bolt retainer for. S. A. Crone. 1,536,568; May 5.
Railway-bridge warnings, Holder for. B. J. Hastings. 1,536,214; May 5.
Railway-car generators, Driving mechanism for. W. R. Richards. 1,536,529; May 5.
Railway gate, Automatic. W. C. Stewart. 1,536,360; May 5.
Railway structure, Pleasure-. J. A. Miller. 1,536,122; May 5.
Railway structure, Pleasure-. J. A. Miller. 1,536,448; May 5.
Railway vehicles, Appliance for replacing derailed. P. Kreuzhage. 1,536,505; May 5.
Rake: *See*—
Sewage-screen rake.
Rake attachment. E. G. Anderson and W. J. Gratrick. 1,536,742; May 5.
Rake attachment. H. C. Carson. 1,537,005; May 5.
Range. J. F. Lamb. 1,537,030; May 5.
Range. J. F. Lamb. 1,537,032; May 5.
Rat trap. H. Dorakdjain. 1,537,038; May 5.
Razor container. J. Kaufman. Des. 67,209; May 5.
Razor, Safety. S. M. Kattell. 1,536,435; May 5.
Reactions, Effecting organic. A. W. Burwell. 1,536,419; May 5.
Recuperator. S. H. Kepyer. 1,537,016; May 5.
Refrigerating apparatus. J. E. Johnston. 1,536,394; May 5.
Refrigerating apparatus. W. D. Mercer. 1,536,446; May 5.
Refrigerating system. C. G. Keeton. 1,536,346; May 5.
Register: *See*—
Autographic register.
Regulator: *See*—
Pump regulator.
Restraining device. A. Wibbels. 1,536,956; May 5.
Retort, Shale-oil eduction. G. A. Ekstedt and N. Schmueser. 1,536,831; May 5.
Rheostat. E. E. Yaxley. 1,536,175; May 5.
Rim, Demountable. W. N. Booth. 1,536,372; May 5.
Rims, Device for expanding and contracting demountable. W. N. Booth. 1,536,373; May 5.
Ring: *See*—
Finger ring.
Packing ring.

Ring. L. S. Pinck. 1,536,406; May 5.
Ring and reading glass, Combined. C. M. Wiseman. 1,536,365; May 5.
Ring-traveler machine. J. H. Avery. 1,536,280; May 5.
Roll, Fluid-cooled. A. E. Evans. 1,536,832; May 5.
Roller. T. W. Suddard. 1,536,162; May 5.
Roof. E. F. Parker. 1,536,519; May 5.
Rope cutter. F. E. Beatty. 1,536,752; May 5.
Ropes or cables to winding drums, Attaching. A. G. French. 1,536,383; May 5.
Rotary transmission means. F. M. Furber. 1,536,091; May 5.
Rubber and other heavy plastic material, Machine for treating. F. H. Banbury. 1,536,466; May 5.
Rubber articles, Making hollow. F. F. Brucker. 1,536,700; May 5.
Rubber compound, Manufacture of. A. L. Freedlander and W. G. Goodwin. 1,536,288; May 5.
Rubber masks or face pieces for respirators, inhalers, and similar articles, Mold for making. A. M. Hudson. 1,536,857; May 5.
Rubber-sandal-assembling machine. T. Carter. 1,536,879; May 5.
Runner device. H. E. Bradner. 1,536,325; May 5.
Safety window construction. I. L. Korrol. 1,536,593; May 5.
Sash-regulating device. G. A. Carlson. 1,537,004; May 5.
Sash-weight-molding apparatus, Plunger. G. J. Fox. 1,536,834; May 5.
Scale, Pendulum. W. N. Gilbert. 1,536,206; May 5.
Scale, Weighing. J. K. Gunn and C. A. Schmidt. 1,536,212; May 5.
Scoop assembly, Skimmer-. R. R. Downie. 1,536,390; May 5.
Screen: *See*—
Window screen.
Screen or riddle cleaner. C. W. Ware. 1,536,363; May 5.
Seed planter. C. B. Moore. 1,536,962; May 5.
Separator: *See*—
Ore separator.
Sewage-screen rake, Automatic. H. L. McMillan. 1,536,901; May 5.
Sewing machine. J. A. Groebli. 1,536,579; May 5.
Sewing-machine attachment for hook-and-eye tape. L. Rocke. 1,536,812; May 5.
Sewing machine, Bead-. J. A. Groebli. 1,536,790; May 5.
Sewing machine for forming concealed stitches. J. J. Heap. 1,536,885; May 5.
Sewing machines, Border-fabric strip guide for. W. Oldfield. 1,536,517; May 5.
Sextants, Attachment for. L. de Flores. 1,536,286; May 5.
Shaft, Calf-wheel. R. L. Rehart. 1,536,927; May 5.
Shears with two movable blades. C. Schorn. 1,536,152; May 5.
Sheet-metal building. W. Skipworth. 1,536,977; May 5.
Ships, Device for moving. J. F. Buckingham and C. E. Bowden. 1,536,701; May 5.
Shock absorber, Hydraulic. J. H. Schermann. 1,536,531; May 5.
Shock-absorbing mechanism, Friction. J. F. O'Connor. 1,536,129; May 5.
Shoe. G. H. Gillis. 1,536,839; May 5.
Shoe. H. Smolen. Des. 67,240; May 5.
Shoe-cap protector. J. Gawronski. 1,536,204; May 5.
Shoe-cleaning device. H. H. Moore. 1,536,963; May 5.
Shoe-shining attachment. H. C. Kahlo. 1,536,104; May 5.
Shoes, Arch support for. J. Strootman. 1,536,945; May 5.
Shoes, Making rubber. J. Kamborian. 1,536,866; May 5.
Shovel: *See*—
Cultivator shovel.
Power shovel.
Shoveling and loading machine. J. C. Brackett. 1,536,282; May 5.
Shower and dressing room units. C. L. Wilson. 1,536,546; May 5.
Sifting or separating machine. F. S. Moore and O. R. Van Boehm. 1,536,124; May 5.
Sign letter. J. J. H. Muller. 1,536,440; May 5.
Signal: *See*—
Traffic signal.
Signal head, Traffic. P. H. Schuls and C. Jessen. Des. 67,236; May 5.
Signaling system. O. E. Buckley. 1,536,764; May 5.
Signaling system. L. M. Potts. 1,536,809; May 5.
Silica, Apparatus for and method of making vitreous. P. K. Devers. 1,536,821; May 5.
Silk and product thereof, Treating soupled. C. P. Cole, sr. 1,536,564; May 5.
Similar articles, Apparatus for and method of making. W. E. Hoke. 1,536,714; May 5.
Siphon-tube base. R. Klein. 1,536,437; May 5.
Skip hoist and tram-car-operating means. W. E. Hale. 1,536,432; May 5.
Sleeves, Tool for inserting split. N. A. Anderson. 1,536,601; May 5.
Sling. I. H. Williams. 1,536,643; May 5.
Smoke-consuming furnace. C. E. Betcher. 1,536,649; May 5.
Smoothing tool, Expansible internal-. G. Horvath. 1,536,498; May 5.
Snap switch, Rotary. H. Catlin. 1,536,769; May 5.
Sodium bismuth salt of triglycollamic acid, Complex. H. Hahl. 1,536,711; May 5.
Soldering pot. G. W. Bradley. 1,537,002; May 5.
Solids or liquids in liquids, Immersing subdivided. J. S. Morgan. 1,536,908; May 5.
Sole welt, Cork-. L. F. Emery. 1,536,575; May 5.
Solvent recovery by distillation after extraction of a substance has been made by that solvent, Frame to make possible in the same apparatus. S. A. de Lacy. 1,536,259; May 5.
Sound-producing mechanism. F. B. Little. 1,536,113; May 5.
Sound reproducer. W. H. Martin. 1,536,116; May 5.
Sound reproducer. B. S. McCutchen. 1,536,118; May 5.
Spark arrester. S. Michalak. 1,536,681; May 5.
Spark-gap mechanism. C. J. Reed. 1,536,628; May 5.
Spark plug. H. Leggett. 1,536,893; May 5.
Spark plug. H. E. Billings. 1,536,005; May 5.
Spark-plug tester. O. L. Burch. 1,536,876; May 5.
Spark-plug tester. M. Norden. 1,536,808; May 5.
Spear, Casing. B. R. Emrick. 1,536,664; May 5.
Speed-increasing device. E. V. Hagman. 1,537,009; May 5.
Spinning, twisting, and like machine. J. A. Minshull. 1,536,123; May 5.
Spool. W. M. Saunders. 1,537,034; May 5.
Spraying apparatus. J. D. Murray. 1,536,352; May 5.
Spring: *See*—
Vehicle spring.
Spring and shock absorber. S. Floroni and A. Zanineili. 1,536,884; May 5.
Spring compressor. R. D. Douglass. 1,536,380; May 5.
Spring connection. E. W. Stossel. 1,536,981; May 5.
Spring structure and assembling the same. W. H. Kinney. 1,536,796; May 5.
Spring suspension arrangement. A. W. Reeves. 1,536,728; May 5.
Springs, Attaching plate for. C. C. Breakfield. 1,536,418; May 5.
Stabilizing device, Automatic. A. C. Trapp. 1,536,638; May 5.
Stair tread. A. B. Tappen and W. H. Mitchell. 1,536,686; May 5.
Stamp-placing machine. A. E. McMillan. 1,536,902; May 5.
Stand: *See*—
Switch stand.
Start and stop device, Automatic. S. Kohn. 1,536,298; May 5.
Stave-jointing machines, Feeding mechanism for. A. M. Walstrom. 1,536,249; May 5.
Stave-jointing machines, Feeding mechanism for. A. M. Walstrom. 1,536,252; May 5.
Steel and hardware articles manufactured therefrom, Stainless. H. H. Morgan. 1,536,684; May 5.
Steel, Compound for treating. F. Nets. 1,536,964; May 5.
Steel-hardening process. R. Bischoff. 1,536,416; May 5.
Steel, Making silicon. V. B. Browne. 1,536,653; May 5.
Steel sheets, Manufacturing. V. B. Browne. 1,536,655; May 5.
Steel sheets, Manufacturing. W. E. Caugherty and S. C. Hookey. 1,536,660; May 5.
Steel sheets, Manufacturing. O. H. Cunningham. 1,536,663; May 5.
Steering knuckle. L. Lyndon. 1,536,597; May 5.
Steering mechanism. R. H. Upson. 1,536,317; May 5.
Steering system for ships, Automatic. O. E. Winter. 1,536,996; May 5.
Steering wheel. A. H. Leipert. 1,536,227; May 5.
Steps, Reconditioning damaged. R. Lindyberg. 1,536,895; May 5.
Stereotype-plate-finishing machine. J. J. Walser and A. A. Henzi. 1,536,462; May 5.
Stoker, Automatic. W. T. Hanna. Re16,065; May 5.
Storage-battery-lug remover. W. Stroka. 1,536,241; May 5.
Storage-battery plates, Making. R. C. Benner and J. H. Fink. 1,536,064; May 5.
Stove. C. H. Smith. 1,536,695; May 5.
Stove for burning sawdust and like residues. J. Jouclard. 1,536,220; May 5.
Stove insulating support, Electric. R. H. MacInnes. 1,537,019; May 5.
Strainer. P. O. Heller. 1,536,848; May 5.
Strainer, Gasoline. F. Ladébauche. 1,536,802; May 5.
Strand detector and detainer. W. P. Williamson. 1,536,543; May 5.
Stud driver and releasing mechanism, Automatic. W. M. Ziegler. 1,536,320; May 5.
Stud driver, Interchangeable. W. F. Reulman. 1,536,309; May 5.
Stud, Pawl. H. Wilson. Des. 67,247; May 5.
Suction cylinder. W. N. Burnham. 1,536,610; May 5.
Sulphurol chloride, Producing. H. Gorke. 1,536,708; May 5.
Surgical instrument. L. A. Douglas. 1,536,195; May 5.
Suspension clamp. I. R. Tomes. 1,536,361; May 5.
Sweeper, Street. L. F. Bryant. 1,537,008; May 5.
Sweetmeats, Machine for coating. A. Sonsthagen. 1,536,943; May 5.

Swimming device, Mechanical. Z. Tamassy. 1,536,816; May 5.
Swimming pool. E. W. Bowen. 1,536,875; May 5.
Switch; *See*—
Controlling switch. Mercury switch.
Electric switch Snap switch.
Electrical switch.
Switch. M. C. Waters. 1,536,953; May 5.
Switch and fuse box, Combined. R. H. Bennett. 1,536,469; May 5.
Switchboard plug. E. A. Bohlman. 1,536,068; May 5.
Switch for controlling electric circuits. W. J. Pritchett. 1,536,355; May 5.
Switch stand. F. C. Anderson. 1,536,552; May 5.
Switch terminal, Snap-. H. E. Leppert. 1,536,441; May 5.
Table; *See*—
Chiropractic table.
Table cover or the like. J. H. Young. Des. 67,252–3; May 5.
Table talker. M. C. Rypinski. 1,536,936; May 5.
Tabular calculator. F. A. Schneider. 1,536,693; May 5.
Tacks or the like, Composite head for. H. B. Tilton. 1,536,277; May 5.
Tail-light support. J. M. Pettus. 1,536,407; May 5.
Talking machine. C. F. Hjerpe. 1,537,045; May 5.
Talking-machine motor drive. L. P. Valiquet. Re16,063; May 5.
Telegraph system. J. H. Bell. 1,536,753; May 5.
Telephone diaphragm. H. Fischer. 1,536,486; May 5.
Telephone receiver. F. Dietrich and E. Bergman. 1,536,482; May 5.
Telephone-receiver attachment. F. K. Hehuly. 1,536,712; May 5.
Telephone system. S. B. Williams, jr. 1,536,464; May 5.
Telephones, Burglar and fire alarm signal for. R. H. Rose. 1,536,934; May 5.
Telephones. Index-card holder for. P. Ockenden. 1,536,913; May 5.
Temperature-changing appliance. H. A. Cumfer. 1,536,479; May 5.
Temperature-indicating device. A. Pfeferberg. Des. 67,231; May 5.
Tennis racket. H. C. Lee. 1,536,108; May 5.
Tension regulator for section beams on slashed and beamer creels. W. W. Arnold, jr. 1,536,047; May 5.
Terminal connecter. H. W. Batcheller. 1,536,281; May 5.
Testing system. J. T. L. Brown. 1,536,763; May 5.
Textile fabric. M. A. Gunst. Des. 67,201–4; May 5.
Textile material and producing the same, Water-repellant. C. B. White. 1,536,254; May 5.
Therapeutic device. W. Schaée. 1,536,273; May 5.
Thread-stitching machine having a thread layer with two points. U. Bischof. 1,536,066; May 5.
Tie; *See*—
Bale tie. Rail tie.
Insulating metallic tie.
Tile, Machine for fettling floor and wall. M. A. Schweiker and J. R. Westbrook. 1,536,411; May 5.
Tilting furnace. V. B. Browne. 1,536,654; May 5.
Tire. P. A. Lea. 1,536,225; May 5.
Tire bead and making tires. E. E. Davidson. 1,536,080; May 5.
Tire-buffing machine. J. Reitz and F. Tregeeser, jr. 1,536,928; May 5.
Tire carrier, Double underslung. W. H. Neely. 1,536,404; May 5.
Tire casings, Machine for the manufacture of. W. C. Stevens. 1,536,459; May 5.
Tire chain. G. A. Beckwith. 1,536,536; May 5.
Tire lock. M. E. Anderson. 1,536,744; May 5.
Tire-making machine. J. J. Convery. 1,536,376–7; May 5.
Tires, Apparatus for making cushion. J. M. Straub. 1,536,161; May 5.
Tires, Making. F. G. Neal and D. F. Logan. 1,536,723; May 5.
Tobacco pipe, and cigar and cigarette holder. F. E. Low. 1,536,899; May 5.
Tow bar, Vehicle. T. Barnes. 1,536,751; May 5.
Towel-service device. S. B. Fetheroif. 1,536,707; May 5.
Toy. L. E. Beavers. 1,536,467; May 5.
Toy. L. J. Kass. Des. 67,207–8; May 5.
Toy. G. Lipari. 1,536,677; May 5.
Toy boat. R. E. Hunt. Re16,059; May 5.
Toy dump wagon. O. F. Parks. 1,536,353; May 5.
Toy electric-railway construction. A. N. Hoffmann. 1,537,011; May 5.
Toy gas engine. H. E. Brown. 1,537,042; May 5.
Toy hand grenade. K. R. Eames. 1,536,261; May 5.
Toy, Parachute. R. L. Miller. 1,536,722; May 5.
Traction device. R. A. Shimay. 1,536,156; May 5.
Tractor attachment. R. A. Chadwick, jr. 1,536,561; May 5.
Tractor attachment. A. Stoltenberg. 1,536,980; May 5.
Tractor-belt construction. H. J. Benteon. 1,536,604; May 5.
Tractor draft rigging. A. O. Higinbotham. 1,536,217; May 5.
Tractor hitch. D. Jordan. 1,536,102–3; May 5.
Tractor hitch. W. L. Paul. 1,536,625; May 5.
Tractor planer. F. E. Arndt. 1,536,185; May 5.
Track support. W. N. Elliott. 1,536,483; May 5.
Traffic signal. J. C. Pennell. 1,536,922; May 5.
Train-control systems, Roadside apparatus for automatic. A. G. Shaver. 1,536,276; May 5.
Train-stopping device. C. I. Haines and J. S. Bower. 1,536,095; May 5.
Transfer binders, Tube and hinge for. G. W. Newman. Re16,066; May 5.
Transmission, Automatic variable power. D. S. de Lavaud. 1,536,819; May 5.
Transmission, Changeable-speed gear. A. Ide. 1,536,181; May 5.
Transmission, Variable-speed. D. S. de Lavaud. 1,536,820; May 5.
Trap; *See*—
Rat trap. Waste trap.
Trap. F. H. Crago. 1,536,704; May 5.
Trimming, heads and apparatus therefor. W. E. Focke. 1,536,782; May 5.
Trolley. E. F. L. Fritz. 1,536,488; May 5.
Trolley and signal wire hanger. A. J. Gurney. 1,536,841; May 5.
Trolley system, Overhead-. G. W. Bower. 1,536,759; May 5.
Truck brake-beam mechanism, Car-. S. A. Crone. 1,536,567; May 5.
Truck, Railway-car. H. C. Priebe. 1,536,137–42; May 5.
Truck skid. C. F. Duke. 1,536,611; May 5.
Trunk lock. M. Rasmussen. 1,536,268; May 5.
Trunk, Wardrobe. M. Davis. 1,536,425; May 5.
Tube; *See*—
Collapsible tube.
Tube-feeding apparatus. J. T. Fagan and F. J. Rippl. 1,536,833; May 5.
Tubes and other hollow articles, Method and apparatus for testing. G. A. Foisy. 1,536,090; May 5.
Tubs and the like, Machine for making. W. M. Paulsen and A. M. Walstrom. 1,536,265; May 5.
Tubs and the like, Machine for making. A. M. Walstrom. 1,536,250–1; May 5.
Turbine nozzle structure, Elastic-fluid-. J. Wilkinson. 1,536,957; May 5.
Tuyère for blast pipes for high and other metallurgical furnaces. T. Berg. 1,536,755; May 5.
Type cleaner. A. C. Bishop. 1,536,605; May 5.
Typewriter-friction-rail lubricator. L. M. Llorens. 1,536,896; May 5.
Typewriting machine. A. A. Johnson. 1,536,586; May 5.
Typewriting machine. C. C. Parker. 1,536,624; May 5.
Typewriting machine. J. Phelps. 1,536,452; May 5.
Typewriting machine. M. W. Pool. 1,536,454; May 5.
Typewriting machine. J. A. B. Smith. 1,536,635; May 5.
Typewriting machine. H. H. Vickers. 1,537,046; May 5.
Underreamer. A. Allison. 1,536,466; May 5.
Untwisting device. W. E. Putnam. 1,536,266–7; May 5.
Upholstering machine. G. N. Abbey. 1,536,188; May 5.
Upholstering machine. T. G. Paddack. 1,536,237; May 5.
Vacuum feed. E. Bossi. 1,536,324; May 5.
Vacuum-tube socket. L. E. Melhuish. 1,536,805; May 5.
Valve. T. Bowler. 1,536,760; May 5.
Valve. J. B. Gats. 1,536,289; May 5.
Valve, Automatic temperature-control. F. L. O. Wadsworth. 1,536,461; May 5.
Valve, Cut-off. P. R. Bates. 1,536,874; May 5.
Valve, Dry-pipe. A. J. Loepsinger. Re16,060; May 5.
Valve, Engine. J. F. Grace. 1,536,787; May 5.
Valve, Flanged union check. W. H. Kiser. 1,536,869; May 5.
Valve for gas jets and the like, Safety. H. Benvie. 1,537,001; May 5.
Valve for inflated articles. A. Klotz. 1,536,870; May 5.
Valve for oil wells, Gas-escape. P. H. Mack. 1,536,948; May 5.
Valve for radiators, Thermostatic vent. E. Jacobus. 1,536,861; May 5.
Valve for trapped systems. J. A. Donnelly. 1,536,571; May 5.
Valve for water-closets, Flushing. A. F. Curtin. 1,536,076; May 5.
Valve, Gate. R. V. Longtine. 1,536,300; May 5.
Valve, Hydraulic. T. Larsson. 1,537,017; May 5.
Valve lock, Air-. H. H. Hobbs. 1,536,388; May 5.
Valve mechanism for expression-controlling devices of musical instruments. T. P. Brown. 1,536,874; May 5.
Valve, Mixing. F. J. Kahrer. 1,536,865; May 5.
Valve-operating apparatus, Portable. P. P. Dean. 1,536,081; May 5.
Valve rocker arm. V. H. Kelley. 1,536,221; May 5.
Valve structure, Gas-. J. P. Reinecke. 1,536,690; May 5.
Valve, Rotary. S. Symonds. 1,536,733; May 5.
Valve, Self-cleaning tank. L. G. Beck and A. C. Whitecotton. 1,536,415; May 5.
Valve, Thermostatically-controlled fuel. R. J. Dougherty. 1,536,826; May 5.
Vanillin, Manufacture of. O. Spengler and H. Pfannenstiel. 1,536,732; May 5.
Vanity case. J. Avidan. Des. 67,184; May 5.
Vapor electric heating equipment. W. S. Hadaway, jr. 1,536,094; May 5.

Vehicle brake. H. Vanderbeek. 1,536,640; May 5.
Vehicle bumper. G. F. Wilson and L. M. Gold. 1,536,547; May 5.
Vehicle, Child's. M. C. Richards. 1,536,973; May 5.
Vehicle lump bodies, Hoist for. M. S. Martin. 1,536,959; May 5.
Vehicle jack. I. W. Burniston. 1,536,877; May 5.
Vehicle, Manually-propelled. T. Grady. 1,536,788; May 5.
Vehicle, Motor. J. Hammerl. 1,536,340; May 5.
Vehicle spring. J. G. Windsor and S. Hatashita. 1,536,994; May 5.
Vehicle spring suspension. J. G. Winsor and S. Hatashita. 1,536,995; May 5.
Vehicle suspension device. N. H. King. 1,536,504; May 5.
Vehicle transmissions, Attachment for motor-. C. G. G. Bergstrom. 1,536,756; May 5.
Vehicle wheel, Cushioned. W. M. Decker. 1,536,817; May 5.
Vehicle wheel rim. W. C. Keys. 1,536,503; May 5.
Vehicles, Brake-actuating mechanism for motor. D. F. Domisi. 1,536,825; May 5.
Vehicles, Direction indicator for. L. D. Icard and H. Fitzgerald. 1,536,501; May 5.
Vehicles, Folding hood for motor. W. H. I. Bradley. 1,536,069; May 5.
Vehicles, Hoisting mechanism for tilting bodies of dump. M. S. Martin. 1,536,960; May 5.
Vehicles, Safety wheel lock for motor-driven. C. L. Lehman and H. C. Vakiner. 1,536,805; May 5.
Vernier for tuning reactances. G. W. Pickard and J. A. Proctor. 1,536,453; May 5.
Vest. L. P. Brunelle. 1,536,473; May 5.
Vulcanizing articles, Process and apparatus for. J. L. G. Dykes. 1,536,087; May 5.
Wagon. H. Casler. 1,536,768; May 5.
Wall and mold therefor, Monolithic. C. T. Larson. 1,536,892; May 5.
Wall construction. J. W. Johnson. 1,536,673; May 5.
Wall structure. J. P. Frans. 1,536,666; May 5.
Wall structure, Building-. W. D. Richardson. 1,536,720; May 5.
Warps during weaving, Moistening. C. F. Jones. 1,536,502; May 5.
Washing apparatus. W. H. Hendricks. 1,536,215; May 5.
Washing machine. A. W. Altorfer. 1,536,050–1; May 5.
Washing machine. R. E. Caudill. 1,536,560; May 5.
Washing machine. A. Johnson. 1,536,585; May 5.
Washing machine. A. B. Miller. 1,536,303; May 5.
Waste bowl, Undercar. A. Dobson. 1,536,823; May 5.
Waste trap. A. S. Newton. 1,536,127; May 5.
Watchcase bezel. H. Buhlman. 1,536,607; May 5.
Water heater. F. L. Putnam. 1,536,409; May 5.
Water heater, Storage. H. J. Lyons. 1,536,613; May 5.
Water-making device. C. W. Armbrust. 1,536,746; May 5.
Water-meter box. N. Forni. 1,537,008; May 5.
Water tube boiler. A. Cotton. 1,536,776; May 5.
Weeder. F. W. Newell. 1,536,620; May 5.
Weighing machine. H. J. Mackey. 1,536,614; May 5.
Weighing machine for locomotives, railway wagons, and other vehicles. C. Hückel. 1,536,715; May 5.
Weights, Apparatus for supplying materials in a desired ratio of. A. W. Keen. 1,536,589; May 5.
Welding machine, Spot-. H. Geisenhöner. 1,536,838; May 5.
Well packer, Oil-. H. E. Becker. 1,536,370; May 5.
Wheel; *See*—
Automobile wheel. Steering wheel.
Ball-bearing wheel. Vehicle wheel.
Disk wheel.
Wheel scrapers, Repair part of. E. S. Hitchcock. 1,536,853; May 5.
Wheel spoke. J. Bolick. 1,536,417; May 5.
Wheels, Locking device for removable. L. Rouanet. 1,536,456; May 5.
Whistle-controlling attachment. A. Lilja. 1,536,508; May 5.
Wind motor. P. W. Palm. 1,536,968; May 5.
Wind motor. A. Pelech. 1,536,921; May 5.
Windshield cleaner. C. F. Lagarde. 1,536,506; May 5.
Window cleaner. T. B. Polk. 1,536,526; May 5.
Window construction. H. Schlesinger and S. Simonovitz. 1,536,457; May 5.
Window construction. S. Simonovitz. 1,536,357; May 5.
Window guard. H. J. Schuldt. 1,536,939; May 5.
Window lifter. S. N. Juul. 1,536,396; May 5.
Window-regulator handle. H. Wilson. Des. 67,250; May 5.
Window screen. C. F. Geschickter. 1,536,489; May 5.
Window strap, door-lock lever, or similar article of manufacture, Guide plate for a. H. Wilson. Des. 67,246; May 5.
Windows, Antirattling mechanism for. E. E. Richardson. 1,536,929; May 5.
Wire clamp. J. J. Campbell and F. J. Spang. 1,536,657; May 5.
Wire connecter. P. Glamso. 1,536,338; May 5.
Wire stretcher. N. L. Howard. 1,536,389; May 5.
Wireless telephony or the like, Jack for. J. W. Jones. 1,536,296; May 5.
Wrench; *See*—
Power-driven wrench.
Writing implement, Adjustable. F. Furedy. 1,536,430; May 5.
Yarn and dyeing same, Bundling. B. S. Phetteplace. 1,536,970; May 5.
Yarn, Machine for manufacturing loop. A. Richter. 1,536,690; May 5.
Zinc compounds from zinc-chloride solutions, Recovery of. A. Nathanshon. 1,536,619; May 5.

CLASSIFICATION OF PATENTS

ISSUED MAY 5, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

2— 70: 1,536,304
102: 1,536,473
176: 1,536,577
181: 1,536,998
278: 1,536,471
3— 7: 1,536,177
4— 8: 1,536,823
57: 1,536,078
172: 1,536,875
5— 8: 1,536,228
46: 1,536,190
184: 1,536,988
269: 1,536,796
7— 1: 1,536,315
8— 5: 1,536,151
1,536,725
8: 1,536,947
13: 1,536,564
19: 1,536,970
9— 18: 1,536,316
20: 1,536,627
10— 72: 1,536,198
11— 33: R. 16,064
12— 136: 1,536,153
1,536,154
1,536,155
15— 60: 1,536,615
1,536,667
77: 1,536,186
83: 1,537,008
111: 1,536,563
112: 1,536,903
131: 1,536,676
165: 1,536,302
269: 1,536,506
1,536,526
365: 1,536,104
16— 85: 1,536,391
91: 1,536,548
94: 1,536,483
185: 1,536,626
149: 1,536,490
17— 1: 1,536,783
18— 2: 1,536,466
2.5: 1,536,477
6: 1,536,067
19: 1,536,579
34: 1,536,857
53: 1,536,080
1,536,288
55: 1,536,253
66: 1,536,700
1,536,966
80: 1,536,096
20— 0.5: 1,536,651
1: 1,536,546
1.11: 1,536,518
12: 1,536,593
16: 1,536,957
18: 1,536,196
1,536,197
20: 1,536,525
49: 1,536,325
50: 1,536,489
52: 1,536,267
1,536,357
1,536,457
67: 1,536,842
22— 2: 1,536,080
42: 1,536,534
56: 1,537,002
189: 1,536,904
1,536,905
1,536,963
23— 1: 1,536,463
61: 1,536,619
69: 1,536,618
128: 1,536,326
148: 1,536,176
208: 1,536,706
207: 1,536,213
272: 1,536,269
24— 11: 1,536,008
27: 1,536,225
37: 1,536,378
80: 1,536,270
24— 93: 1,536,530
102: 1,536,210
110: 1,536,198
123: 1,536,738
135: 1,536,667
184: 1,536,114
193: 1,536,621
201: 1,536,622
25— 30: 1,536,682
83: 1,536,201
92: 1,536,405
104: 1,536,411
131: 1,536,892
156: 1,536,258
26— 33: 1,536,637
27— 30: 1,536,656
28— 35: 1,536,047
29— 5: 1,536,284
21: 1,536,462
33: 1,536,553
34: 1,536,290
54: 1,536,241
56.3: 1,536,380
101: 1,536,601
56.4: 1,536,496
56.2: 1,536,553
190: 1,536,524
30— 3: 1,536,053
1,536,070
12: 1,536,435
1,536,662
14: 1,536,752
30: 1,536,170
31— 73: 1,536,634
33— 143: 1,536,307
147: 1,536,784
174: 1,536,916
178: 1,536,576
34— 6: 1,536,806
15: 1,536,958
19: 1,536,427
34: 1,536,750
41: 1,536,985
44: 1,536,408
1,536,735
48: 1,536,479
35— 12: 1,536,195
16: 1,536,119
36— 57: 1,536,839
71: 1,536,945
77: 1,536,204
78: 1,536,575
37— 43: 1,536,172
134: 1,536,853
155: 1,536,185
39— 5: 1,536,992
7: 1,536,360
40— 4: 1,536,445
10: 1,536,716
1,536,900
10.5: 1,536,913
21: 1,536,260
70: 1,536,698
119: 1,536,429
124: 1,536,263
125: 1,536,106
1,536,221
1,536,414
1,536,508
126: 1,536,188
130: 1,536,449
133: 1,536,460
41— 24: 1,536,371
33: 1,536,440
43— 55: 1,536,315
63: 1,536,704
81: 1,537,038
148: 1,537,014
45— 28: 1,536,908
32: 1,536,707
97: 1,537,099
46— 14: 1,536,677
37: R. 16,059
1,536,516
46: 1,536,261
47— 47: 1,536,679
48— 180: 1,537,023
49— 2: 1,536,740
14: 1,536,833
33: 1,536,832
53: 1,537,027
73.1: 1,536,221
1,537,096
85: 1,536,828
51— 67: 1,536,928
109: 1,536,847
1,536,917
161: 1,536,714
216: 1,536,902
269: 1,536,565
54— 24: 1,536,507
55— 10: 1,536,743
1,537,005
66: 1,536,455
107: 1,536,492
56— 22: 1,536,980
219: 1,536,268
247: 1,536,426
252: 1,536,431
295: 1,536,514
320: 1,536,167
339: 1,536,554
368: 1,536,444
418: 1,536,794
58— 6: 1,536,647
41: 1,536,159
46: 1,536,850
91: 1,536,607
122: 1,536,169
62— 5: 1,536,346
96: 1,536,446
101: 1,536,304
63— 1: 1,536,365
16: 1,536,540
1,536,615
17: 1,536,408
20: 1,536,189
64— 17: 1,536,410
55: 1,536,249
61: 1,536,487
65: 1,536,135
1,536,136
66— 3: 1,536,274
1,536,275
21: 1,536,946
24: 1,536,863
28: 1,536,200
67— 7: 1,536,671
87: 1,536,815
68— 1: 1,536,498
9: 1,536,235
1,536,771
10: 1,536,271
21: 1,536,218
22: 1,536,560
70— 9: 1,537,049
65: 1,536,240
74: 1,536,773
90: 1,536,072
72— 13: 1,537,008
15: 1,536,202
33: 1,536,673
41: 1,536,528
43: 1,536,729
76: 1,536,942
84: 1,536,559
98: 1,536,995
105: R. 16,062
116: 1,536,696
1,536,953
1,536,982
73— 86: 1,536,090
109: 1,536,473
74— 5: 1,536,503
7: 1,536,092
1,536,113
1,536,779
1,536,840
14: 1,536,252
1,536,308
1,536,931
74— 14: 1,536,966
21: 1,536,307
26: 1,537,009
33: 1,536,227
39: 1,536,775
1,536,966
83: 1,536,819
1,536,820
88: 1,536,181
99: 1,536,824
100: 1,536,724
105: 1,536,709
1,536,763
106: 1,536,971
109: 1,536,426
119: 1,536,797
75— 1: 1,536,694
14: 1,536,381
1,536,382
17: 1,536,944
45: 1,536,653
76— 101: 1,536,796
77— 26: 1,536,727
1,536,730
79— 9: 1,536,423
80— 25: 1,536,777
42: 1,536,206
81— 53: 1,536,209
1,536,220
54: 1,536,157
103: 1,536,433
82— 1.1: 1,536,988
83— 9: 1,536,990
44: 1,536,073
54: 1,537,094
56: 1,536,124
67: 1,536,375
71: 1,536,541
73: 1,536,491
1,537,026
87: 1,536,173
88: 1,536,236
92: 1,536,795
84— 39: 1,536,374
55: 1,536,150
85— 53: 1,536,277
86— 2.7: 1,536,266
16.6: 1,536,718
1,536,719
17: 1,536,347
24: 1,536,421
90— 12: 1,536,578
91— 3: 1,536,943
27: 1,536,408
45: 1,536,252
49: 1,536,511
54.5: 1,536,991
57: 1,536,208
62.5: 1,536,163
66: 1,536,699
1,536,264
1,536,540
92— 21: 1,536,309
28: 1,536,966
43: 1,536,610
44: 1,536,599
49: 1,536,533
57: 1,536,566
61: 1,536,163
98— 2: 1,536,268
1,536,781
36: 1,536,801
49: 1,536,223
95— 12.5: 1,536,335
32: 1,536,490
73: 1,536,356
97— 53: 1,536,267
155: 1,536,168
157: 1,536,501
198: 1,536,120
99— 22: 1,536,340
80: 1,536,891
99— 5: 1,536,201
1,536,309
10: 1,537,043
99— 11: 1,536,791
100— 25: 1,536,562
57: 1,536,889
101— 57: 1,536,184
58: 1,536,207
77: 1,536,458
266: 1,536,009
287: 1,536,313
1,536,314
1,536,350
295: 1,536,228
408: 1,536,351
102— 26: 1,536,494
29: 1,536,164
39: 1,536,219
103— 16: 1,536,697
23: 1,536,264
53: 1,536,521
90: 1,536,754
108: 1,536,573
202: 1,536,248
236: 1,536,324
346: 1,536,632
1,536,720
104— 63: 1,536,448
246: 1,536,122
273: 1,536,805
105— 62: 1,536,264
100: 1,536,520
197: 1,536,137
1,536,139
1,536,140
1,536,141
1,536,142
204: 1,536,138
247: 1,537,051
249: 1,537,050
263: 1,536,914
1,536,931
106— 22: 1,536,981
1,536,982
25: 1,536,165
36.1: 1,536,919
1,536,920
107— 9: 1,537,018
51: 1,536,695
54: 1,536,224
108— 9: 1,536,519
54: 1,536,305
110— 7: 1,536,220
55: 1,536,160
60: 1,536,650
65: 1,536,049
73: 1,536,147
101: R. 16,055
119— 21: 1,536,096
90: 1,536,447
99: 1,536,579
1,536,580
1,536,790
137: 1,536,517
1,536,812
147: 1,536,285
210: 1,536,578
264: 1,537,022
113— 36: 1,536,107
114— 66.5: 1,536,940
191: 1,536,538
230: 1,536,701
116— 39: 1,536,501
53: 1,536,987
80: 1,536,866
117— 1: 1,536,690
118— 1: 1,536,123
119— 51: 1,536,224
63: 1,536,609
99: 1,536,956
123: 1,536,551
120— 14: 1,536,420
121— 18: 1,536,999
26: 1,536,537
56: 1,536,737
157: 1,536,787
179: 1,536,166
198: 1,536,758
122— 260: 1,536,409
302: 1,536,776
122— 16: 1,536,851
25: 1,536,264
32: 1,536,921
33: 1,537,052
43: 1,536,245
72: 1,536,780
75: 1,537,042
90: 1,536,221
1,536,330
119: 1,536,871
123: 1,536,209
140.5: 1,536,582
148: 1,536,628
169: 1,536,055
1,536,893
180: 1,536,532
1,536,810
188: 1,536,289
190: 1,536,733
196: 1,536,499
1,537,013
197: 1,536,401
198: 1,536,115
124— 15: 1,536,436
126— 11: 1,536,209
1,536,368
37: 1,537,025
128— 30: 1,536,996
59: 1,537,052
59.5: 1,536,092
113: 1,536,220
116: 1,536,646
1,536,648
1,536,786
275: 1,536,544
1,537,051
362: 1,536,613
129— 72: 1,536,354
300: 1,536,195
129— 1: 1,536,100
8: 1,536,496
12: R. 16,066
19: 1,536,980
130— 5: 1,536,567
15: 1,536,868
131— 5: 1,536,923
13: 1,536,999
30: 1,536,741
39: 1,536,216
51: 1,536,392
132— 14: 1,536,534
17: 1,536,455
41: 1,536,257
74: 1,536,901
80: 1,536,408
133— 10: 1,536,461
79: 1,536,069
134— 20: 1,536,094
35: 1,537,026
137— 20: 1,536,437
31: 1,536,415
69: 1,536,869
71: 1,536,581
78: 1,536,589
108: 1,536,696
120: 1,536,645
1,536,874
138— 14: 1,537,017
17: 1,536,951
139— 10: 1,536,708
27: 1,536,194
36: 1,536,502
97: 1,536,644
161: 1,536,745
286: 1,537,006
1,537,007
291: 1,536,837
313: 1,536,126
336: 1,537,000
403: 1,536,975
141— 9: 1,536,215
142— 18: 1,536,731
144— 127: 1,536,691
210: 1,536,656
242: 1,536,252
365: 1,536,249

144— 290: 1,536,310
145— 2: 1,536,872
5: 1,536,098
66: 1,536,758
1,536,941
124: 1,536,208
146— 43: 1,536,594
147— 6: 1,536,268
26: 1,536,250
1,536,251
148— 12: 1,536,555
1,536,660
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150— 3: 1,536,108
151— 5: 1,536,767
152— 2: 1,536,074
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154— 9: 1,536,161
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155— 153: 1,536,666
156— 22: 1,536,412
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157— 1: 1,536,378
158— 26: 1,536,417
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160— 13: 1,536,804
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161— 7: 1,536,629
164— 47: 1,536,152
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166— 11: 1,536,370
14: 1,536,680
167— 3: 1,536,301
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169— 23: R. 16,060
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170— 26: 1,536,908
171— 34: 1,536,097
97: 1,536,308
309: 1,536,450
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330: 1,536,328
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172— 8: 1,536,998
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274: 1,536,077
173— 269: 1,536,338
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328: 1,536,082
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174— 80: 1,537,012
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175— 183: 1,536,808
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177— 314: 1,536,804
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178— 2: 1,536,753
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182— 14: 1,536,127
183— 34: 1,536,726
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184— 11: 1,536,756
187— 31: 1,536,843
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188— 20: 1,536,265
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187: R. 16,063
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197— 68: 1,536,452
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201— 55: 1,536,175
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224— 30: 1,536,955
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230— 1: 1,536,846
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236— 12: 1,536,461
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41: 1,536,174
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49.4: 1,536,770
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132: 1,536,620
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163: 1,536,389
255— 64: R. 16,061
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Fruhauf Bros. & Co., New York, N. Y. Men's and young men's suits, overcoats, and topcoats. 198,311–13; May 12; Serial Nos. 207,982–4; published Feb. 24, 1925.

G. & H. Barnett Company, Philadelphia, Pa. Files and rasps. 46,791; renewed Oct. 10, 1925.

Garden City Paint & Varnish Co., Chicago, Ill. Paints, varnishes, enamels. 198,408; May 12.

Geier & Bluhm, Inc., Troy, N. Y. Convertible levels. 198,335; May 12; Serial No. 204,991; published Feb. 17, 1925.

Gellatly Fruit Company, The, Menatchee, Wash. Fresh apples. 198,285; May 12; Serial No. 208,342; published Mar. 3, 1925.

Gerstein Brothers, New York, N. Y. Tape. 198,852; May 12; Serial No. 207,736; published Feb. 17, 1925.

Gold, Israel, New York, N. Y. Men's suits and topcoats. 198,402; May 12.

Goodwin Film & Camera Company, The, Binghamton, N. Y. Photographic goods, particularly sensitized films. 198,336; May 12; Serial No. 205,058; published Feb. 17, 1925.

Goodwin Film & Camera Company, The, Binghamton, N. Y. Cameras. 198,337; May 12; Serial No. 205,059; published Feb. 17, 1925.

Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Milk and sweet chocolate. 198,278; Mar. 12; Serial No. 203,268; published Feb. 3, 1925.

Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Dried raisins. 198,321; May 12; Serial No. 206,293; published Feb. 24, 1925.

Great Eastern Millinery Co., Philadelphia, Pa. Ladies' hats. 198,229; May 12; Serial No. 206,730; published Feb. 10, 1925.

Gutierres Véles, Guillermo, New York, N. Y. Coffee. 198,303; May 12; Serial No. 208,119; published Feb. 24, 1925.

Harrington, Geo. W., New York, N. Y. Malt extract. 198,377; May 12.

Harrower Laboratory, Inc., The, Wilmington, Del., and Glendale, Calif. Medicinal compound for tuberculosis. 198,400; May 12.

Hatton, Brown & Company, Columbus, Ohio. Bituminous coal. 198,379; May 12.

Hazelwood Company, Limited, Spokane, Wash., and Portland, Oreg. Dairy products, ice cream, desserts, etc. 198,292; May 12; Serial No. 200,493; published Feb. 3, 1925.

Hi-Art Signs, Chicago, Ill. Metal signs. 198,345; May 12; Serial No. 207,016; published Feb. 17, 1925.

Hohner, Firm of M.; M. Hohner, Inc., New York, N. Y., successor. Mouth harmonicas. 44,815; renewed July 25, 1925.

Hohner, Firm of M.; M. Hohner, Inc., New York, N. Y., successor. Mouth harmonicas. 45,131–2; renewed Aug. 8, 1925.

Hohner, Firm of M.; M. Hohner, Inc., New York, N. Y., successor. Mouth harmonicas. 45,134–5; renewed Aug. 8, 1925.

Hohner, Firm of M.; M. Hohner, Inc., New York, N. Y., successor. Mouth harmonicas. 45,837; renewed Aug. 29, 1925.

Holland Shoe Co., Holland, Mich. Leather boots and shoes. 198,258; May 12; Serial No. 207,460; published Feb. 17, 1925.

Houston Brothers Company, Pittsburgh, Pa. Hydrated lime. 46,557; renewed Sept. 26, 1925.

Hovey, Ethel G. B., New York, N. Y. Frocks and dresses. 198,314; May 12; Serial No. 207,935; published Feb. 24, 1925.

Hoy, F. P., Inc., New York, N. Y. Combination brassière and corset. 198,228; May 12; Serial No. 206,734; published Feb. 10, 1925.

Hurwitz, Louis, Philadelphia, Pa. Chewing gum. 198,291; May 12; Serial No. 198,638; published Feb. 24, 1925.

International Braid Company, Providence, R. I. Lacings, galloons, and braids. 198,300; May 12; Serial No. 207,242; published Feb. 17, 1925.

International Braid Company, Providence, R. I. Lacings, galloons, and braids. 198,348; May 12; Serial No. 207,243; published Feb. 17, 1925.

Iroquois Canning Corporation, Onarga, Ill. Canned corn. 198,304–5; May 12; Serial Nos. 208,147–8; published Feb. 24, 1925.

Jobling, Richard, Calumet, Mich. Kneel pads. 198,370; May 12.

Johnston Fruit Company, Santa Barbara, Calif. Fresh citrous fruits. 198,261; May 12; Serial No. 159,754; published Oct. 10, 1922.

Katz, Morris, Hat Co., Inc., New York, N. Y. Men's hats. 198,247; May 12; Serial No. 184,862; published Feb. 10, 1925.

Kayser, Julius & Co., New York, N. Y. Knitted and textile underwear. 198,255; May 12; Serial No. 207,681; published Feb. 24, 1925.

Kearney & Foot Company, Paterson, N. J. Files and rasps. 46,794; renewed Oct. 10, 1925.

Kempf, Wm. F., & Son, Philadelphia, Pa. Cocoa mats, jute mats, and mats made of a combination of cocoa and jute fibers. 198,390; May 12.

Kendall Mfg. Co., Providence, R. I. Soap powder. 46,560; renewed Sept. 26, 1925.

Ketzlach, Michel N., doing business as Pacific Coast Jobbing Co. Seattle, Wash. Shirts, neckties, gloves, etc. 198,397; May 12.

Kitchen Bouquet, Inc. (See Palisade Manufacturing Company, The, assignor.)

Lamb, John A., Duluth, Minn. Light shields for automobile windshields. 198,368; May 12.

Langlade County Creamery Co., Antigo, Wis. Butter. 198,359; May 12.

Liebovitz, S., & Sons, Inc., New York, N. Y. Shirts, nightshirts, pyjamas, and boys' blouses. 198,315; May 12; Serial No. 207,664; published Feb. 24, 1925.

Lime-Cola Bottling Company of Atlanta, Ga., Atlanta, Ga. Beverages. 198,272; May 12; Serial No. 200,267; published Oct. 28, 1924.

Linley Brothers Company, Bridgeport, Conn. Piston rings. 198,372; May 12.

Locan Packing Co. (See Bonner, Chas. G.)

Longwear Shoe Co. Inc., Chicago, Ill. Shoes made of leather. 198,230; May 12; Serial No. 206,582; published Feb. 17, 1925.

Loose-Wiles Biscuit Company, doing business as Loose-Wiles Company, Kansas City, Mo. Candy. 198,287; May 12; Serial No. 208,595; published Mar. 3, 1925.

Lorraine Shirt Company, Philadelphia, Pa. Men's shirts, underwear, and pyjamas. 198,401; May 12.

Loveland Canning Company, The, Loveland, Colo. Canned cherries, gooseberries, and apples. 198,378; May 12.

MacBrush Company, The, Philadelphia, Pa. Brushes. 198,233; May 12; Serial No. 206,247; published Feb. 24, 1925.

Marquette Petroleum Products, Chicago, Ill. Lubricating oils. 198,316; May 12; Serial No. 207,196; published Feb. 24, 1925.

Marrow, Isidor L., doing business as I. L. Marrow & Co., New York, N. Y. Underwear for men. 198,294; May 12.

Michigan Sugar Company, Bay City, Saginaw, Alma, Caro, and Sebewaing, Mich., and Toledo, Ohio. Sugar. 198,270; May 12; Serial No. 198,529; published Feb. 24, 1925.

Millar, Ray M., San Jose, Calif. Moving-picture films. 198,330; May 12; Serial No. 205,930; published Feb. 17, 1925.

Model Mills Company, Philadelphia, Pa. Worsted Wilton rugs. 198,366; May 12.

Monarch Marking System Company, The, Dayton, Ohio. Pins. 198,293; May 12; Serial No. 204,718; published Feb. 10, 1925.

More, James, Limited, Wick, Scotland. Preserved herrings. 198,286; May 12; Serial No. 208,406; published Mar. 3, 1925.

Morimura Aral & Co., New York, N. Y. Raw silk, waste silk, and spun silk. 45,867; renewed Aug. 29, 1925.

Morrell Mills, Inc., Philadelphia, Pa., New York, N. Y. and Chicago, Ill. Tapestry fabric. 198,358; May 12.

Mülhens & Kropff, assignor to Mülhens & Kropff Inc., New York, N. Y. Toilet soap. 45,428; renewed Aug. 15, 1925.

Müller, Ferdinand C., Findlay, Ohio. Miniature imitation-concrete building blocks. 198,253; May 12; Serial No. 207,795; published Feb. 24, 1925.

Muralo Company, Inc., The, New Brighton, N. Y. Decorative wall coating. 198,375; May 12.

Neuhoff, J. C., Inc., New York, N. Y. Millinery. 198,235; May 12; Serial No. 206,019; published Feb. 24, 1925.

New Era Shirt Company, St. Louis, Mo. Flannel shirts and blouses. 198,356; May 12.

New Playthings, Not Inc. (See Walter, Lowell H.)

Newport Optical Mfg. Co., Brooklyn, N. Y. Spectacles. 198,343; May 12; Serial No. 206,914; published Feb. 17, 1925.

Normal Foot-Tread Company. (See Wallace, Edward W.)

North & Judd Manufacturing Company, New Britain, Conn. Snaps and snap hooks. 198,407; May 12.

Nu-Mat-Ic Key Company. (See Sweeney, Joseph L., assignor.)

Nu Var Products Co, Inc., Baltimore, Md. Varnish. 198,271; May 12; Serial No. 199,079; published Feb. 24, 1925.

Ode & Gerbereux, New York, N. Y. Confectionery containing chocolate. 44,695; renewed July 18, 1925.

Olmsted, Allen S., Le Roy, N. Y. Worm powders. 27,040; renewed Sept. 3, 1925.

Pacific Coast Jobbing Co. (See Ketzlach, Michel N.)

Palisade Manufacturing Company, The, West Hoboken, N. J., assignor to Kitchen Bouquet Inc., New York, N. Y. Coloring and flavoring extracts. 46,068; renewed Sept. 5, 1925.

Paxton-Mitchell Company, The, Omaha, Nebr. Metallic packings. 198,361; May 12.

Pels, Henry, doing business as Berlin-Erfurter Maschinenfabrik Henry Pels & Co., Berlin, Charlottenburg, Germany. Machines for making tools, paring machines, cutting machines, etc. 198,410; May 12.

Pelzer M'f'g. Co., Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Sheetings. 44,980; renewed Aug. 1, 1925.

Pelzer M'f'g. Co., Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Sheetings and drills. 45,099; renewed Aug. 8, 1925.

Pelzer M'f'g. Co., Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Brown sheetings. 45,100; renewed Aug. 8, 1925.

Pelzer M'f'g. Co., Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Sheetings. 45,763; renewed Aug. 29, 1925.

Picker, James, Inc., New York, N. Y. X-ray apparatus, supplies, materials, and accessories. 198,262; May 12; Serial No. 170,987; published Jan. 22, 1924.

Planters & Merchants Mills, Inc., New Braunfels, Tex. Ginghams. 198,408; May 12.

Plymouth Cordage Company, Plymouth, Mass. Cables, ropes, and twines. 198,391; May 12.

Pneuma Schuhfabrik A.-G., Erfurt, Germany. Shoes and leggings. 198,331; May 12; Serial No. 193,541; published Nov. 4, 1924.

Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Toothbrushes, nailbrushes, hairbrushes, etc. 198,241; May 12; Serial No. 205,491; published Feb. 24, 1925.

Pyramid Rubber Specialty Company, The, Ravenna, Ohio. Rubber nursing nipples and surgeons' rubber gloves. 198,338; May 12; Serial No. 205,613; published Feb. 17, 1925.

Quality Biologic Company, Kansas City, Kans. Culture of bacillis acidophilus. 198,404; May 12.

Quality Biologic Company, Kansas City, Kans. Ice-cream ripener. 198,405; May 12.

Ramer, A. M., Co., St. Paul, Minn. Candy. 198,354; May 12; Serial No. 208,258; published Feb. 24, 1925.

Rankine, John, Oakland and Wahtoke, Calif. Fresh grapes. 198,318; May 12; Serial No. 206,634; published Feb. 24, 1925.

Ransom & Randolph Co., The, Toledo, Ohio. Dental abrasive points. 198,333; May 12; Serial No. 199,021; published Feb. 17, 1925.

Redlands, Foothill Groves, Redlands, Calif. Oranges, lemons, and grapefruit. 198,310; May 12; Serial No. 208,012; published Feb. 24, 1925.

Red Raven Rubber Co., Newark, N. J. Powder puffs. 198,246; May 12; Serial No. 189,914; published Feb. 24, 1925.

Reisinger, Hugo, New York, N. Y. Carbons for electrical purposes. 26,714; renewed June 18, 1925.

Reisinger, Hugo, New York, N. Y. Carbons for electrical purposes. 45,416–17; renewed Aug. 15, 1925.

Revira Company, The, New York, N. Y. Sanitary toothbrushes. 198,242; May 12; Serial No. 205,229; published Feb. 24, 1925.

Rex, M. A., doing business as California Sea Food Company, Los Angeles, Calif. Canned tunny (fish). 198,274–5; May 12; Serial Nos. 201,261–2; published Feb. 24, 1925.

Rex, M. A., doing business as California Sea Food Company, Los Angeles, Calif. Canned tunny (fish). 198,276; May 12; Serial No. 202,712; published Feb. 24, 1925.

Rex, M. A., doing business as California Sea Food Company, Los Angeles, Calif. Canned lobster. 198,277; May 12; Serial No. 202,713; published Feb. 24, 1925.

Richards & Brennan Co., Randolph, Mass. Shoes, rubbers, moccasins, etc. 198,260; May 12; Serial No. 207,261; published Feb. 10, 1925.

Roach, W. R., & Co., Grand Rapids, Mich. Fresh fruits and vegetables. 198,301; May 12; Serial No. 207,404; published Feb. 10, 1925.

Robinson, Joseph, New York, N. Y. Automatic trainpipe connecters. 198,357; May 12.

Rombro, Jacob, doing business as Rombro Bros., Baltimore, Md. Work shirts. 198,257; May 12; Serial No. 207,594; published Feb. 24, 1925.

Root, William L., New York, N. Y. Infants' fabric devices serving as bib and adapted to secure infant in a crib or high chair or bed. 198,381; May 12.

Schmid, Julius, Inc., New York, N. Y. Combs. 198,298; May 12; Serial No. 206,641; published Feb. 17, 1925.

Schmid, Julius, Inc., New York, N. Y. Combs. 198,351; May 12; Serial No. 207,528; published Feb. 17, 1925.

Sentry Meter Co., Detroit, Mich. Water meters. 198,341; May 12; Serial No. 206,260; published Feb. 17, 1925.

Shein, Samuel, New York, N. Y. Combs. 198,332; May 12; Serial No. 196,405; published Feb. 24, 1925.

Shilling-Patterson, Inc., Washington, D. C. Dolls. 198,249; May 12; Serial No. 207,953; published Feb. 24, 1925.

Short-Gilleaudeau Co. Inc., Danbury, Conn. Hats. 198,231; May 12; Serial No. 206,497; published Feb. 17, 1925.

Shotwell Mfg. Co., Chicago, Ill. Candy bar. 198,307; May 12; Serial No. 208,112; published Feb. 24, 1925.

Smiling Charlie, Inc., New York, N. Y. Chocolate ice-cream confection. 198,267; May 12; Serial No. 190,477; published Nov. 18, 1924.

Smith, Adelbert D., doing business as The Flavorsmiths, Columbus, Ohio. Spices, coffee, and cornstarch. 198,265; May 12; Serial No. 189,016; published Feb. 24, 1925.

Smith-Alsop Paint and Varnish Company, Terre Haute, Ind. Floor and varnish stain. 198,370; May 12.

Smith, F. H., Manufacturing Company, Chicago, Ill. Grommet, hook-and-eyelet, and fastener setting machines. 198,373; May 12.

Smith, H. D., & Co., The, Plantsville, Conn. Dropped-forged irons for vehicles. 45,834; renewed Aug. 15, 1925.

Société Anonyme des Usines Renault, Billancourt, Seine, France. Motors and parts thereof, tractors, lathes, etc. 198,290; May 12; Serial No. 191,946; published Oct. 28, 1924.

Star Binding & Trimming Co. Inc., The, New York, N. Y. Bias binding. 198,353; May 12; Serial No. 207,834; published Mar. 3, 1925.

Star Garter Co., Chicago, Ill. Sanitary step-ins, aprons, and belts. 198,330; May 12; Serial No. 192,936; published Aug. 19, 1924.

Steefel, Strauss & Connor, Rochester, N. Y. Men's outer garments such as coats, vests, and trousers. 45,531; renewed Aug. 22, 1925.

Steinway & Sons, New York, N. Y. Pianos. 45,411; renewed Aug. 15, 1925.

Steinway & Sons, New York, N. Y. Pianos. 45,846; renewed Aug. 29, 1925.

Steinway & Sons, New York, N. Y. Grand pianos. 45,847; renewed Aug. 29, 1925.

Steinway & Sons, New York, N. Y. Upright pianos. 45,848; renewed Aug. 29, 1925.

Stifel, J. L., & Sons, Wheeling, W. Va. Overalls, dresses, and men's dress and negligee shirts. 198,326; May 12; Serial No. 205,498; published Feb. 24, 1925.

Strait, J. H., & Co., Bloomington, Calif. Oranges, lemons, and grapefruit. 198,309; May 12; Serial No. 208,020; published Feb. 24, 1925.

Strauss Bros. & Co., assignors to Ferdinand Strauss, New York, N. Y. Mouth harmonicas. 46,051; renewed Sept. 5, 1925.

Strauss, William, Inc., New York, N. Y. Boudoir caps. 198,239; May 12; Serial No. 198,094; published Oct. 28, 1924.

Sweeney, Joseph L., doing business as Nu-Mat-Ic Key Company, New York, N. Y. Key caps for typewriters. 198,360; May 12.

Swift & Company, Chicago, Ill. Sausage. 198,302; May 12; Serial No. 208,168; published Feb. 24, 1925.

Taylor Instrument Company, Inc., Rochester, N. Y. Thermometers. 198,350; May 12; Serial No. 207,470; published Feb. 24, 1925.

Thaddeus Davids Company; Thaddeus Davids Ink Co. Inc., New York, N. Y., successor. Black ink. 45,605; renewed Aug. 22, 1925.

Thaddeus Davids Company; Thaddeus Davids Ink Co. Inc., New York, N. Y., successor. Writing ink. 46,640; renewed Sept. 26, 1925.

Thompson, Henry G., & Son Company, The, New Haven, Conn. Band-saw machines and blades. 198,347; May 12; Serial No. 207,212; published Feb. 24, 1925.

Three In One Oil Company. (See Cole G. W., Company, assignor.)

Tracy Engineering Company, The, San Francisco, Calif. Fluid separators. 198,344; May 12; Serial No. 206,984; published Feb. 17, 1925.

Twentieth Century Mfg. Co., Los Angeles, Calif. Children's diapers. 198,364; May 12.

Ullman Manufacturing Co., The, New York, N. Y. Outfits of materials for decorative plastic art work. 198,279; May 12; Serial No. 204,880; published Feb. 24, 1925.

United Metal Box Co., Inc., Long Island City, N. Y. Mail and letter boxes. 198,234; May 12; Serial No. 206,043; published Feb. 24, 1925.

United States Fastener Company, Boston, Mass. Snap fasteners. 46,072; renewed Sept. 5, 1925.

Valentin Blatz Brewing Company, Milwaukee, Wis. Bottled lager beer. 26,749; renewed July 2, 1925.

Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Illuminating oils. 46,496; renewed Sept. 19, 1925.

Wallace, Edward W., doing business as Normal Foot-Tread Company, Chicago, Ill. Arch supporters. 198,363; May 12.

Walter, Lowell H., doing business as New Playthings, Not Inc., Des Moines, Iowa. Coaster or scooter vehicle. 198,248; May 12; Serial No. 207,955; published Feb. 24, 1925.

Wanamaker, John, New York, New York, N. Y. Clothing. 198,392; May 12.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Athletic and sports clothing. 198,319; May 12; Serial No 206,467; published Feb. 24, 1925.

Weber Medical Herb Tea Co., The, Brooklyn, N. Y. Blood-purifying herb teas. 46,494; renewed Sept. 19, 1925.

Weiss, Theo., & Co., Inc., New Orleans, La. Overalls. 198,281; May 12; Serial No. 128,464; published Mar. 8, 1921.

Wetherill & Brother, assignor to Wetherill & Brother, Philadelphia, Pa. White lead. 45,054; renewed Aug 1, 1925.

White Bros. & Crum Co., Lewiston, Idaho. Fresh apples. 198,855; May 12.
White Eagle Oil and Refining Company, Kansas City, Mo. Kerosene, gasoline, motor fuel, etc. 198,317; May 12; Serial No. 207,160; published Feb. 17, 1925.
Whitman, Stephen F. & Son, Inc., Philadelphia, Pa. Candy. 198,296; May 12; Serial No. 205,382; published Feb. 24, 1925.
Wickham Brothers, Dunmore, Pa. Sauce or dressing for foods. 198,398; May 12.
Wickham Brothers, Dunmore, Pa. Potato chips. 198,399; May 12.
Wiggins, Edgar W., Plant City, Fla. Fresh citrous fruits. 198,328; May 12; Serial No. 205,097; published Feb. 10, 1925.
Wolf & Dansiger, New York, N. Y. Dresses, skirts, cloaks, and suits. 198,243; May 12; Serial No. 203,289; published Feb. 10, 1925.
York, Chauncey F., Warriorsmark, Pa., assignor to H. J. York, Detroit, Mich. Toilet and laundry soap and soap powder. 44,691; renewed July 18, 1925.
York, Chauncey F., Warriorsmark, Pa., assignor to H. J. York, Detroit, Mich. Salve or ointment for medicinal or toilet use. 44,698; renewed July 18, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Preserve Co., The, Philadelphia, Pa. Schimmel Brand Pure Jelled Fruit. For Preserves. 28,632; May 12.
Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Salsa Brava. For Canned Chili Sauce. 28,633; May 12.
Beckwith Company, The, Reedley, Calif. Planada. For Preserved Figs. 28,634; May 12.
Berwick, Edward, jr. (See Mason, Mabel B.)
Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Bosch Hydrometer. For Hydrometers. 28,635; May 12.
Brockenbrough, George H., jr., Charlotte, N. C. Co-Lin Crash. For Toweling. 28,636; May 12.
California Crushed Fruit Corporation, Los Angeles, Calif. Missdon. For Orange Juice. 28,637; May 12.
California Wine Grape Products, Inc., Reno, Nev., and Calistoga, Calif. California Wine Grape Tonic. For California Wine Grape Tonic. Otherwise Known as California's Wonder Tonic. 28,638; May 12.
Citrus Soap Company of California, San Diego, Calif. —Instant Suds. For Washing-Machine Soap. 28,639; May 12.
Clark, J. L., Manufacturing Co., Rockford, Ill. Hustler Beads. For Beads. 28,640; Mar. 12.
De Lite Products Co., Long Beach, Calif. Porceleno Cleaner. For Cleaner to Remove Stains and Clean Bathtubs, Sinks, Washbasins, and Enamel Furniture. 28,641; May 12.
Denend, Joseph T., doing business as Wurzburger Malt Extract Co., Chicago, Ill. Bohemian Cream. For Malt Extract. 28,642; May 12.
Duane Remedies Corporation, New York, N. Y. Pain Cake. For Medicinal Plasters. 28,643; May 12.
Earl Fruit Company, San Francisco, Calif. Haskell's Heavy Pack. For Apples. 28,644; May 12.
Excellent Record Corporation, New York, N. Y. Excellent. For Disk Records. 28,645; May 12.
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Quality. For Coffee. 28,646; May 12.
Fort Howard Paper Company, Green Bay, Wis. Velvet. For Toilet Paper. 28,647; May 12.
Fort Howard Paper Company, Green Bay, Wis. Kraft Kloth. For Toilet Paper. 28,648; May 12.
Foster, C. B., Packing Co., Inc., Biloxi, Miss. Miss-Lou. For Oysters. 28,649; May 12.
Gest, G. M., San Francisco, Calif. Santa Wonder Walnuts. For Walnuts. 28,650; May 12.
Golden Pheasant, The, San Francisco, Calif. Small Blacks. For Coffee Confection. 28,651; May 12.
Grabler-Day Co., Cleveland, Ohio. Line-A-Touch. For Devices to Hold Copies for Transcribing or Similar Purposes. 28,652; May 12.
Groveton Paper Company, Inc., Groveton, N. H. D-Envelope Manila. For Paper. 28,653; May 12.
Groveton Paper Company, Inc., Groveton, N. H. A-Envelope Manila. For Paper. 28,654; May 12.
Herrick, Will W., Saratoga Springs, N. Y. W W H Flavors. For Flavorings for Food Products. 28,655; May 12.
La Victoria Packing Co. (See Baca, Pablo.)
Lindsay Ripe Olive Company, Lindsay, Calif. Lindsay. For Canned Ripe Olives. 28,656; May 12.
Lippi, Dr. Andrew F., Philadelphia, Pa. Dr. Lippi Blood Purifier Tonic. For Blood Tonic. 28,657; May 12.
MacMillin, Howard F., doing business as The October Gold Company, Mount Gilead and Mansfield, Ohio. October Gold, Triple Blend Cider. For Cider. 28,658; May 12.
Maier Brewing Company, Inc., Los Angeles, Calif. Maier Select Pale. For a Malt Beverage. 28,659; May 12.
Mammala Corporation, New York, N. Y. Monkey Design Label. For Ambrokoko. 28,660; May 12.
Mason, Mabel B., doing business as B. Berwick, jr., Monterey, Calif. Carmel Mountain. For Fresh Pears. 28,661; May 12.
Mergard, Herman L., doing business as Mergard's Supply Co., Cincinnati, Ohio. Union Maid Malt Syrup. For Barley-Malt Sirup. 28,662; May 12.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Rudolph & Bauer. For Candy. 28,663; May 12.
Newton, Fenton G., Workman, Calif. The Painter's Friend Newton's Water Stain Eradicator. For Liquid Compound Used to Destroy Water Stains in Plastered Walls so They Will Not Show Through When Retinted. 28,664; May 12.
Newton, Fenton G., Workman, Calif. Klenz-All. For Liquid Compound for Cleaning of Clothes and Other Cleaning Purposes in a Home. 28,665; May 12.
October Gold Company, The. (See MacMillin, Howard F.)
Ostrander, C. A., & Sons, Avoca, N. Y. Kar-Brite Wonder Gloss. For Auto Luxury Which Prevents Rust, Polishes and Cleans at the Same Time, Producing a Durable Waterproof Finish. 28,666; May 12.
Owens Staple-Tied Brush Company, The, Toledo, Ohio. Owens Staple-tied Tooth Brush. For Toothbrushes. 28,667; May 12.
Owens Staple-Tied Brush Company, The, Toledo, Ohio. Dr. Hartzell Tooth Brush. For Toothbrushes. 28,668; May 23.
Paramine Companies, Inc., The, San Francisco, Calif. Pabco-Toy Merry-Go-Round. For a Toy. 28,669; May 12.
Paramine Companies, Inc., The, San Francisco, Calif. Pabco-Toy Ring Circus. For a Toy. 28,670; May 12.
Placentia Orange Growers Association, Fullerton, Calif. Carmencita. For Oranges. 28,671; May 12.
Placentia Orange Growers Association, Fullerton, Calif. Portoia. For Oranges. 28,672; May 12.
Placentia Orange Growers Association, Fullerton, Calif. Colombo. For Oranges. 28,673; May 12.
Placentia Orange Growers Association, Fullerton, Calif. Bonded. For Oranges. 28,674; May 12.
Prange, H. C., Company, Sheboygan, Wis. Dairy Farm Brand. For Extra Selected Fresh Eggs. 28,675; May 12.
S & E Powdered Sugar Co., The. (See Syme, Arthur M. Q.)
Safeway Stores Incorporated, Los Angeles, Calif. Packed for Safeway Stores Incorporated. For Ripe Olives. 28,676; May 12.
Safeway Stores Incorporated, Los Angeles, Calif. Packed for Safeway Stores Incorporated. For Tunny. 28,677; May 12.
San Joaquin Baking Co., Fresno, Calif. Dutch Toast. For Bread. 28,678; May 12.
Skipitarey, Louis A., Salt Lake City, Utah. Abigail Blood Tonic. For Liquid Preparation for Internal Use in the Treatment of Diseases. 28,679; May 12.
Syme, Arthur M. Q., doing business as The S & E Powdered Sugar Co., Chicago, Ill. Seagull. For Powdered Sugar. 28,680; May 12.
Talbot Manufacturing Co., Los Angeles, Calif. Talbot's. For Ant Powder Insecticide. 28,681; May 12.
Volz, Veolette M., Denver, Colo. Hand Decorated Candles. For Hand-Decorated Art Candles. 28,682; May 12.
Walsh, Robert F., Chicago, Ill. La Flor De José Llansa. For Cigars. 28,683; May 12.
Woodrow, W. A., Los Angeles, Calif. Cher-E-Coke. For Chocolate Bar with a Cherry in the Center. 28,684; May 12.
Wurzburger Malt Extract Co. (See Denend, Joseph T.)

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Blanke-Baer Extract & Preserving Company, St. Louis, Mo. A Six Months Schedule of Specials for Brick and Bulk Ice Cream. For Ice Cream. 7,920; May 12.
Budd Wheel Company, Philadelphia, Pa. Wheels of Steel. For Vehicle Wheels. 7,921; May 12.
Budd Wheel Company, Philadelphia, Pa. All-Steel Wheel. For Vehicle Wheels. 7,922; May 12.
Cream of Wheat Co., Minneapolis, Minn. A man can wisely eat only what he can easily digest. For Wheat Breakfast Food. 7,923; May 12.

Cream of Wheat Co., Minneapolis, Minn. The best spring tonic is—Proper Food. For Wheat Breakfast Food. 7,924; May 12.
Cream of Wheat Co., Minneapolis, Minn. For 28 years on the diet lists of baby specialists—Cream of Wheat. For Wheat Breakfast Food. 7,925; May 12.
Hubing Pharmacal Co., The, Fox Chase, Philadelphia, Pa. Hubing's Soda Mint Tablets. Hubing Pharmacal Co., Philadelphia, Pa. For Soda-Mint Tablets. 7,926; May 12.
Krank, Alfred J., St. Paul, Minn. Selling Information and Retail Prices On Krank's Requisites For The Nails. For Preparations for the Nails. 7,927; May 12.
Stevens, Chas. A., & Bros., Chicago, Ill. Chas. A. Stevens & Bros. Cinderella's Slipper Had Something to do With It! For Women's Footwear. 7,928; May 12.
United States Cartridge Company, Lowell, Mass.; New York, N. Y.; Maurer, N. J.; and Selby, Calif. Shot-Shells U S Cartridges. For Cartridges. 7,929; May 12.
Walther Manufacturing Co., Philadelphia, Pa. If It's New—It's Here! For Textile Fabrics in the Piece. 7,930; May 12.
White Sewing Machine Company, Cleveland, Ohio. White Sewing Machines. For Sewing Machines. 7,931; May 12.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. Schild, A. G. (S. A.; Ltd.), Granges, Soleure, Switzerland. Watches and parts of watches. 210,623–4; May 12.
Adams & Bennett Tobacco Co., Paris, Tenn. Smoking tobacco. 211,448; May 12.
All-American Radio Corporation, Chicago, Ill. Radio receiving sets. 210,211–13; May 12.
American Circular Loom Company, Pittsburgh, Pa., and New York, N. Y. Metal conduits and nonmetallic flexible conduits for electric conductors. 204,579; May 12.
Amey, Becker & Scharp Company, New York, N. Y. Radio receiving sets. 208,847; May 12.
Amplitron Co., The, Wollaston, Mass. Radiotubes. 209,268; May 12.
Ansonia Clock Company, The, New York, N. Y. Clocks and clock movements. 210,997; May 12.
Arizona Orchard Company, Phoenix, Ariz. Deciduous fruits, fresh grapes, fresh citrous fruits, etc. 198,832; May 12.
B & O Chemical Company, St. Louis, Mo. Composition for cleaning type and rubber stamps. 199,601; May 12.
B. & R. Mfg. Co., Inc., West Hoboken, N. J. Elastic specialties. 211,657; May 12.
Baltaly, Stanley M., doing business as The Baltaly Company, Massillon, Ohio. Treatment of dandruff and diseases common to the scalp and for preserving the hair. 211,150; May 12.
Bear, Grover C., doing business as G. C. Bear & Co., Detroit, Mich. Chocolate. 196,788; May 12.
Beaver Products Company Inc., The, Buffalo, N. Y. Wall board and building paper. 208,948; May 12.
Bennet, Frank M., New York, N. Y. Cotton piece goods. 211,514; May 12.
Berger, Joseph M., doing business as Ye Personal Press, Los Angeles, Calif. Writing papers and envelopes. 198,089; May 12.
Bergfors, Gustav A., Braintree, Mass. Kerosene, gasoline, etc. 211,449; May 12.
Bevil, Inc., New York, N. Y. Nail polishes, cuticle remover, and cuticle cool. 206,936; May 12.
Biggs, Robert H., St. Catharines, Ontario, Canada. Garters. 206,991; May 12.
Blayney-Murphy Company, Denver, Colo. Canned chile concarne, bacon, boiled shoulder, lard, and sliced dried beef. 207,056; May 12.
Bochmann, F. A., & Co. Inc., Philadelphia, Pa. Worsted and woolen goods in the piece. 200,539; May 12.
Bordoni, Adalgiso O., Milan, Italy. Motion-picture cameras and parts thereof. 204,652; May 12.
Boyshform Brassière Co., The, New York, N. Y. Brassières. 194,045; May 12.
Brager of Baltimore, Baltimore, Md. Refrigerators, ice chests, water coolers, water filters, ice-cream freezers, and cabinets. 210,708; May 12.
Brain Steward & Hartshorn, Ltd., London, England. Tobacco pipes, cigar and cigarette holders. 210,036; May 12.
Brubaker, W. L., & Bros. Company, Millersburg, Pa. Taps, dies, and reamers. 209,970; May 12.
Bruno, C., & Son, Inc., New York, N. Y. Wood, wind, and brass instruments. 201,523; May 12.
Bruno, C., & Son, Inc., New York, N. Y. Banjos, guitars, ukuleles, and mandolins. 210,948; May 12.
Burndept Limited, London, England. Wireless apparatus. 193,027; May 12.
Burnham Chemical Company, Reno, Nev. Borax, toothpowder, and cold cream. 211,828; May 12.
Butler Company, The, Butler, Ind. Windmills. 211,830; May 12.
Buzzacott, Francis H., Chicago, Ill. Sex detectors. 172,143; May 12.
California Metal Enameling Co., Los Angeles, Calif. Refrigerators. 210,346; May 12.
Carbide & Carbon Chemicals Corporation, New York, N. Y. Compressed gases in portable containers. 205,905; May 12.
Carran, Grace B., doing business as Central Petroleum Company, Cleveland, Ohio. Lubricating oils and greases. 204,962; May 12.
Case & Martin Company, Chicago, Ill. Pies. 210,349; May 12.
Catlin Shale Products Co., New York, N. Y., and Elko, Nev. Lubricating oils. 195,572; May 12.
Central Petroleum Company. (See Carran, Grace B.)
Chapotat, Emile, Vienne, France. Collapsible packing cases. 189,491; May 12.
Cisco, Inc., New York, N. Y. Mufflers, scarfs, and vests. 209,976; May 12.
Clark, Louisa T., doing business as Mme. La. Benn, New York, N. Y. Depilatories. 211,665; May 12.
Climax Tobacco Saver Co., Harrodsburg, Ky. Chemical fumigant used in curing tobacco. 208,642; May 12.
Coast Fishing Company, Inc., Wilmington, Calif. Canned fish. 211,409; May 12.
Colonial Lamp & Fixture Works, Chicago, Ill. Electric-lighting fixtures. 208,026; May 12.
Conant, Leon B., Boston, Mass. Heels and soles. 211,320; May 12.
Corrosion X Intorcept Company, The, Cleveland, Ohio. Compound to prevent corrosion of electric-battery connections and terminals. 210,713; May 12.
Courmoulis, George, New York, N. Y. Phonograph records. 200,596; May 12.
Craig, R. L., & Co., Los Angeles, Calif. Canned foods and tomato catchup. 211,519; May 12.
Crary, C. S., Company, Streator, Ill. Canned foods, coffee, tea, condiments, relishes, etc. 199,679; May 12.
Creel, Mauldin & Chambers, Incorporated, Highland, Ill. Shoes. 194,436; May 12.
Cumberland Valley Fruit Products Company, Martinsburg, W. Va. Apple-cider vinegar. 211,333; May 12.
Dairy Chocolate Company Incorporated, Baltimore, Md. Cream peppermints. 199,043; May 12.
Daum Rogers Spritzer Co., New York, N. Y. Hosiery for boys and girls. 210,225; May 12.
Davies, Wayne, Atlanta, Ga. Sandwich and bread toasters, wiener broilers, and waffle irons. 210,045; May 12.
Defiance Dairy Products Company, The, Defiance, Ohio. Evaporated milk. 195,873; May 12.
De Witt, William J., doing business as The Shoe Form Co., Auburn, N. Y. Shoe forms. 209,773; May 12.
Dickinson, William N., New York, N. Y. Photographs. 209,079; May 12.
Diedericha, Carl A., Pittsburgh, Pa. Parlor board game. 211,337; May 12.
Dietz, Charles H., doing business as Garden City Ship Co., San Jose, Calif. Cottonseed salad oil and vinegar. 209,774; May 12.
Dimmitt, Jesse G., Chicago, Ill. Ladies' hats, underwear, skirts, suits, and gowns. 209,464; May 12.
Eastern States Farmers' Exchange, Springfield, Mass. Field seeds. 210,833; May 12.
Eberhard Faber Pencil Company, Brooklyn, N. Y. Rubber bands. 210,956; May 12.
Ehrlich, Joseph, Cincinnati, Ohio. Dry paints and varnishes. 210,893; May 12.
Ethicus Prompt Treatment Kit, Inc., New York, N. Y. Preparation for the relief of indigestion. 211,345; May 12.
Fallis Inc., doing business as Wendy Laboratories, Cincinnati, Ohio. Toilet preparations. 210,295; May 12.
Fangboner, Irvin T., Co., The, Bellevue, Ohio. Coal. 210,051; May 12.
Farbenfabriken vorm. Friedr. Bayer & Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Sedatives and hypnotics. 211,912; May 12.
Fitch-Thomas Company, The, doing business as The John H. Fitch Co., The Fitch Co., and The Thomas Company, Youngstown, Ohio. Canned fruits, wheat flour, rolled oats, etc. 205,867; May 12.
Fitzgerald, James B., Spartanburg, S. C. Nonalcoholic, maltless, carbonated beverages and sirup for making same. 206,569; May 12.
Fitzpatrick, Orth, Warsaw, Ind. Ready-mixed paints. 208,234; May 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Florida Citrus Process Company, The, Eustis, Fla. Non-alcoholic, maltless beverages and fruit juices, etc., for making same. 209,962; May 12.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 208,905; May 12.
Ft. Lauderdale Citrus Growers Ass'n., Fort Lauderdale, Fla. Grapefruit, oranges, and tangerines. 207,734; May 12.
Fouard, Eugène, Vincennes, France. Filtering devices. 199,684; May 12.
Fourness, Ell, doing business as E. Fourness & Sons, Sacramento, Calif. Fresh deciduous fruits—namely, pears and plums. 209,837; May 12.
Frank, Morris, Belleville, N. J. Medicinal oil for treatment of rheumatism, strains, etc. 211,997; May 12.
Franklin Simon & Co., Inc., New York, N. Y. Crystal bottles. 211,672; May 12.
Freed-Eiseman Radio Corporation, Brooklyn, N. Y. Complete radio receiving sets and parts therefor. 211,026; May 12.
Freeman-Thompson Shoe Co., St. Paul, Minn. Fabric and leather slippers. 211,674; May 12.
Frieser, Charles, Denver, Colo. Face and cleansing creams, almond meal, bandoline, etc. 211,998; May 12.
Futter, Walter A., New York, N. Y. Motion pictures. 211,419; May 12.

Garden City Chip Co. (See Dietz, Charles H.)
Gardiner & Wells Co., New York, N. Y. Cigars, cigarettes, smoking and chewing tobacco. 211,266; May 12.
Garrat-Callahan Co., San Francisco, Calif. Compound used for hot-water-circulating systems, automobile radiators, etc., for preventing formation of fluff, scale, or rust. 211,677; May 12.
Gebr. Krusius, Inc., Solingen, Germany. Table knives, forks, and spoons, and penknives, scissors, etc. 184,664; May 12.
General Baking Company, New York, N. Y. Cake. 206,952–4; May 12.
Georgia-Kincaid Mills, The, Griffin, Ga. Cotton piece goods. 203,806; May 12.
Good Roads Equipment Corporation, Philadelphia, Pa. Portable pavement heaters. 209,984; May 12.
Guilmont & Peters, Chicago, Ill. Chemical compound used as a tint for the hair. 209,912; May 12.
Haeussler, A. F. W., San Juan, P. R. Nail polish. 211,931; May 12.
Harkness Radio Corporation, New York, N. Y. Radio receiving sets and boxes of parts for the construction of same. 208,195; May 12.
Helming & Helming, Lansford, N. Dak. Potatoes. 194,445; May 12.
Hess, Goldsmith & Co., Inc., New York, N. Y. Crêpe satin in the piece. 210,732; May 12.
Hill, A. B., Manufacturing Company, Atlanta, Ga. Inductance for use in radio apparatus. 208,099; May 12.
Hillcrest Silk Mills, West New York, N. J., and New York, N. Y. Silk, silk and wool, etc., piece goods. 207,018; May 12.
Hockmeyer Bros., New York, N. Y. Cotton pile and napped fabrics. 210,553; May 12.
Hoffman, E. A., Candy Co., Los Angeles, Calif. Candy. 207,742; May 12.
Hunt Hatch & Co., San Francisco, Calif. Fresh pears and boxed apples. 207,936; May 12.

Indian Refining Company, Incorporated, Lawrenceville, Ill., and New York, N. Y. Gasoline and kerosene. 207,743; May 12.
Innes, Henderson & Co. Ltd., Hawick, Scotland. Knitted underwear, men's trousers, jackets, and sweaters, etc. 192,389; May 12.
Inspiration Pictures, Inc., New York, N. Y. Motion pictures. 209,791; May 12.
Jackson, Edwin A., & Bro. Inc., New York, N. Y. Imitation fire logs. 207,079; May 12.
Jacob & Schey, New York, N. Y. Hosiery. 208,150; May 12.
Jacquin, Léon, doing business as L. Jacquin, Paris, France. Confectionery. 182,214; May 12.
Johns-Manville, Incorporated, New York, N. Y. Cellular insulating material. 209,848; May 12.
Johnson-Fox Company, Waterville, Me. Fuel ingredient. 211,214; May 12.
Keiger, Joseph L., Winston-Salem, N. C. Underwear, sweaters, bathing suits, hosiery, etc. 204,457; May 12.
Keystone Watch Case Company, The, Philadelphia, Pa., and Riverside, N. J. Watches, watchcases, watch movements, and parts thereof. 209,167; May 12.
Kimball, Alfred, Shoe Co., Lawrence and Boston, Mass. Men's leather shoes. 210,304; May 12.
King Coal Company, San Francisco, Calif. Coal. 210,565; May 12.
Kluster Knife Company. (See Sowers, Ray V.)
La Benn, Mme. (See Clark, Louisa T.)
Lansburgh & Bro., Inc., Washington, D. C. Leather shoes. 210,795; May 12.
Lee & Hickcox, El Centro, Calif. Fresh vegetables, grapes, and cantaloupes. 210,395; May 12.
Leibowitz & Porter, Inc., New York, N. Y. Dress, negligee, flannel, and work shirts. 211,584; May 12.
Leichter, Mark M., doing business as Lichter's Egyptian Smoke Shop, Hollywood, Calif. Cigar, cigarettes, and smoking tobacco. 206,673; May 12.
Levy, Louis, Grocer Co. Ltd., Baton Rouge, La. Canned peas and corn and bottled catchup. 210,849; May 12.
Lichter's Egyptian Smoke Shop. (See Leichter, Mark M.)
Liverpool Borax Co. Ltd., The, Liverpool, England. Cement. 186,142; May 12.
Los Angeles Hat Company, Los Angeles, Calif. Children's hats. 210,676; May 12.
Maclub of America, Inc., The, Boston, Mass. Yearbook. 201,360; May 12.
Manner, Josef & Comp. A. G., Vienna, Austria. Candies, pastries, waffles, biscuits, and bonbons. 208,917; May 12.
Marcus Brothers, New York, N. Y. Cotton piece goods. 207,873; May 12.
Marshall Field & Company, Chicago, Ill. Common pins, shoe laces, crochet hooks, twilled tape, etc. 197,267; May 12.
Martinez, Antonio, Valencia, Spain. Eau de cologne for hair dyeing. 202,026; May 12.
Marwol Radio Corp., New York, N. Y. Radio receiving sets. 207,584; May 12.
Marx & Rawolle, Inc., New York, N. Y. Glycerin. 210,494; May 12.
Mason Box Co., The, Attleboro Falls, Mass. Paper and cardboard boxes and wrappers. 209,133; May 12.
McClelland, Walter J., New York, N. Y. Hosiery. 204,713; May 12.
Meissner, C. R., Co., Inc., New York, N. Y. Goods stamped for embroidery. 211,867; May 12.
Meridian Textile Corporation, New York, N. Y. Blankets. 191,893; May 12.
Meridian Textile Corporation, New York, N. Y. Blankets. 191,896; May 12.
Meridian Textile Corporation, New York, N. Y. Blankets. 191,898–900; May 12.
Meridian Textile Corporation, New York, N. Y. Blankets. 191,902–4; May 12.
Monarch Manufacturing Company, Council Bluffs, Iowa. Lubricating oils and greases. 209,674; May 12.
Mountain View Fruit Association, Ontario, Calif. Fresh citrous fruits, fresh deciduous fruits, fresh grapes. 209,858; May 12.
Mucci, Pasquale, Somerville, Mass. Hair tonic. 211,693; May 12.
Mulford, H. K., Company, Philadelphia, Pa. Compressed tablets. 209,932; May 12.

New Orleans Coffee Company, Ltd., New Orleans, La. Sirup for food purposes. 207,141–2; May 12.
Noxage Chemical Company, Bend, Oreg. Liquid for treating pyorrhea, trench mouth, tonsilitis, etc. 211,944; May 12.
Nunnally Company, The, Atlanta, Ga. Chocolates and bonbons. 206,588; May 12.
Nye Co. (See Sharp, W. N.)

Olive, Nicola, doing business as N. Olive Co., New York, N. Y. Canned olive oil, macaroni, tomatoes, etc. 210,618; May 12.
Ordway, A. P., & Co., New York, N. Y. Sulphur bitters. 209,102; May 12.
Pacific Sea Foods Co., Hoquiam, Wash. Canned salmon. 204,783; May 12.
Paramount Cone Company, Cambridge, Mass. Ice-cream cones. 211,488; May 12.
Paris Toilet Company, The, Paris, Tenn. Toilet preparations. 210,920; May 12.
Pedox Produx Company. (See Schwarzschild, Harry.)
Perch, Mary d'E., New York, N. Y. Cigarettes. 200,097; May 12.
Perego, Michele, Renate, Milan, Italy. Bed blankets, covers, coverlets, and bed spreads made of cotton. 205,834; May 12.
Persky, Joseph, doing business as The Roosevelt Sport Coat Mills, Worcester, Mass. Sport coats or sweaters for children. 204,626; May 12.
Pioneer Fruit Company, The, San Francisco, Calif. Fresh grapes. 208,720; May 12.
Pittsburgh Shovel Company, The, Pittsburgh, Pa. Shovels. 211,291; May 12.
Pope, Cletus H., doing business as Pope Drug Company, Jefferson City, Mo. Deodorants. 211,868; May 12.
Portage Shoe Mfg. Company, Portage, Wis. Boots and shoes. 211,613; May 12.
Priestley, B., & Co., Inc., New York, N. Y. Woolen, worsted, silk, mohair, and cotton piece goods. 206,867; May 12.
Purity Oats Company, Keokuk, Iowa. Cereal product. 203,439; May 12.
Pyramid Button Co., Providence, R. I. Collar buttons. 206,859; May 12.

Reddaway, F., & Co. Limited, Pendleton, Manchester, Eng. Billiard cloth. 210,621; May 12.
Red Pepper Publishing Co., Inc., Newark, N. J. Monthly magazine. 206,920; May 12.
Richardson, Tee, Rycroft & Company, Limited, Manchester, England. Cotton, linen, and hemp piece goods. 211,706; May 12.
Richfield Oil Company, Los Angeles, Calif. Gasoline. 211,616; May 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Rider, S. A., Company, Chicago, Ill. Compacts, perfumes, and face powder. 210,011; May 12.
Robertson-Davis Co., Chicago, Ill. Transformers. 207,100; May 12.
Roosevelt Sport Coat Mills, The. (See Persky, Joseph.)
Royal Milling Company, Nashville, Tenn. Soft-wheat short-patent plain flour. 210,194; May 12.
Salt Lake Pressed Brick Company, The, Salt Lake City, Utah. Brick, sewer pipe, draintile, etc. 210,196; May 12.
Sampson, Samuel, Inc., New York, N. Y. Ladies' collar and cuff sets. 210,502; May 12.
Sands, E. L., Chemical Company, Springfield, Mo. Tonic for treatment of the blood, nerves, and digestive organs. 211,232; May 12.
San Jose Paper Co., San Jose, Calif. Printing, writing, wrapping, and toilet paper and writing-paper tablets. 211,231; May 12.
Scholl, Frederick G., Woodhaven, N. Y. Musical toys. 211,382; May 12.
Schwarzschild, Harry, doing business as Pedox Produx Company, New York, N. Y. Tape for shoes, soling blocks, heel cushions, and rubber heels. 208,756; May 12.
Scott and Fetzer Company, The, Cleveland, Ohio. Non-electric sweepers and cleaners and parts and attachments therefor. 209,179; May 12.
Security Mills, Inc., Newton, Mass., and New York, N. Y. Woolen yarns. 205,449; May 12.
Seinsheimer, H. A., Company, The, Cincinnati, Ohio. Men's and young men's vests, coats, trousers, and overcoats. 209,141; May 12.
Shaposnick, Benjamin, doing business as B. Shaposnick & Company, New York, N. Y. Ladies' fur coats. 210,506; May 12.
Sharp, W. N., doing business as Nye Co., Chicago, Ill. Surgical knives, and surgical-knife blades. 210,627; May 12.
Sheffield Trimming & Stamping Co., New York, N. Y. Radio parts and specialties. 209,142; May 12.
Shoe Form Co., The. (See De Witt, William J.)
Shouse-Fulp Cigar Company, Winston-Salem, N. C. Cigars. 211,809; May 12.
Signaphore Company, The, Fort Wayne, Ind. Vehicle traffic electrically-operated signals. 207,410; May 12.
Simone Company, Inc., The, New York, N. Y. Boudoir caps and bandeaux and sport bands. 210,861; May 12.
Snow Manufacturing Company, Los Angeles, Calif. Radiant gas heaters. 207,207; May 12.
Société A. Crespel, Lille, France. Threads. 211,714–5; May 12.
Société Lyonnaise pour l'Emploi de la Soie Artificielle dite "Siesa", Lyon, France. Piece goods of silk, cotton, wool, and hair. 211,629; May 12.
Societe Teissonnière et Kriefmann, Uzes, France. Licorice. 211,630; May 12.
Southern Beverage Company, Galveston, Tex. Nonalcoholic beverages and sirups for making the same. 210,423; May 12.
Southern Weed Chemical Company, Mebane, N. C. Medicinal compound for piles, eczema, itch, etc. 210,145; May 12.
Southwest Tablet Manufacturing Company, Dallas, Tex. Papeteries, writing paper, etc. 211,499; May 12.
Sowers, Ray V., doing business as Kluster Knife Company, Muncie, Ind. Meat cutter or tenderer. 206,698; May 12.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 211,297; May 12.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 211,299–300; May 12.
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 211,302; May 12.
Sresovich, L. Geo., doing business as L. George Sresovich Co., Miami, Fla. Liquid roofing and plastic cement. 188,072; May 12.
Staley, Samuel S., Reading, Pa. Compound metals containing zinc and copper. 178,877; May 12.
Standard Oil Company (New Jersey), Bayonne, N. J. Insecticides, deodorants, and disinfectants. 211,512; May 12.
Sunbiest Confections, Incorporated, Chicago, Ill. Chocolate-covered peanuts and raisins. 211,767; May 12.
Tappan Stove Co., The, Mansfield, Ohio. Gas and coal ranges and stoves. 209,710; May 12.
Ta San Products Co., Hollywood, Los Angeles, Calif. Beauty clay. 194,138; May 12.
Taylor Brothers, Incorporated, Winston-Salem, N. C. Plug and twist tobacco. 207,414; May 12.
Tenzer Brothers, New York, N. Y. Hosiery, ladies' underwear, gloves and knit goods. 206,983; May 12.
Thomas Company, The. (See Fitch-Thomas Company.)
Thomas Rubber Company, The, Wooster, Ohio. Vehicle tires, tire casings, and shoes and repair parts. 209,755; May 12.
Thurlow Glove Company, Portland, Oreg. Gloves. 208,687; May 12.
Tide Water Oil Company, Bayonne, N. J., and New York, N. Y. Lubricating greases. 192,161–2; May 12.
Tornello, C., doing business as C. Tornello & Co., Youngstown, Ohio. Olive oil. 208,266; May 12.
Toupal, John, Caldwell, Tex. Liniment. 201,383; May 12.
Toxaway Tanning Co., Roseman, N. C., and New York, N. Y. Sole leather. 209,064; May 12.
Transylvania Tanning Co., Brevard, N. C., and New York, N. Y. Sole leather. 209,067; May 12.
Triple A Hosiery Company, Inc., New York, N. Y. Hosiery. 189,183; May 12.

Union Fabric Company, The, Derby, Conn. Cigar lighters. 210,105; May 12.
United & Globe Rubber Company, Trenton, N. J. Inner tubes. 172,452; May 12.
United States Graphite Co., The, Saginaw, Mich. Packing rings for shafts of steam turbines. 209,600; May 12.
United States Shoe Company, The, Cincinnati, Ohio. Shoes. 209,553; May 12.
Virginia-Carolina Oil Corporation, The, Greensboro, N. C. Gasoline and lubricating oils. 206,098; May 12.
Virginia Dare Extract Co. Inc., Brooklyn, N. Y. Sirups, concentrates, and emulsions for the preparation of soft drinks. 191,108; May 12.
W. G. & F. Proofing Co., Inc., Brooklyn, N. Y. Waterproofed fabrics. 210,597; May 12.
Wechsler Barber Silk Company Inc., New York, N. Y. Silk piece goods. 200,074; May 12.
Weldon Roberts Rubber Company, Newark, N. J. Rubber eraser. 211,242; May 12.
Wells-Abbott-Nieman Co. Inc., Schuyler, Nebr. Wheat flour. 210,638; May 12.
Wendell and Company, Chicago, Ill. Finger rings. 198,491; May 12.
Wendy Laboratories. (See Fallis Inc.)
West, Harry, New York, N. Y. Ladies' hosiery. 207,316; May 12.
Western Fuel Company, Chicago, Ill. Coal. 203,657; May 12.
Western Malt Products Co., Pueblo, Colo. Malt sirup. 209,515; May 12.
Wheatstone, C., & Co., London, England. Concertinas. 201,989; May 12.
White, L. V., Company, Kalamazoo, Mich. Gasoline and lubricating oils and greases. 210,769; May 12.
Willhelm Oil Company, St. Paul, Minn. Lubricating oils and greases. 209,518; May 12.
Williams, James E., Spring City, Pa. Leather shoes. 210,820; May 12.
Worcester Textile Co. Inc., Worcester, Mass., and New York, N. Y. Textile fabrics. 205,460; May 12.
Yarbrough, Harry H., Dallas, Tex. Sandwiches. 207,642; May 12.
Ye Personal Press. (See Berger, Joseph M.)
Zenith Shovel Company, Chicago, Ill. Shovels. 212,115; May 12.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal, Darby Coal Sales Company. 198,374; May 12.
Coal, Bituminous. Hatton, Brown & Company. 198,379; May 12.
Silk, Raw, waste, and spun. Morimura Aral & Co. 45,867; renewed Aug. 29, 1925.

CLASS 2.

Mail and letter boxes. United Metal Box Co. 198,234; May 12; Serial No. 206,043; published Feb. 24, 1925.

CLASS 3.

Snaps and snap hooks. North & Judd Manufacturing Company. 198,407; May 12.

CLASS 4.

Soap and soap powder, Toilet and laundry. C. F. York. 44,691; renewed July 18, 1925.
Soap powder. Kendall Mfg. Co. 46,560; renewed Sept. 26, 1925.
Soap, Toilet. Mülhens & Kropff Inc. 45,428; renewed Aug. 15, 1925.

CLASS 5.

Mucilage and mucilaginous fluids or pastes. Thaddeus Davids Company. 46,579; renewed Sept. 26, 1925.

CLASS 6.

Bacillus acidophilus, Culture of. Quality Biologic Company. 198,404; May 12.

Herb teas. Weber Medical Herb Tea Co. 46,494; renewed Sept. 19, 1925.
Medicinal compound for tuberculosis. Harrower Laboratory, Inc. 198,400; May 12.
Medicine. Anasarcin Chemical Company. 46,870; renewed Oct. 10, 1925.
Salve or ointment for medicinal or toilet use. C. F. York. 44,698; renewed July 18, 1925.
Worm powders. A. S. Olmsted. 27,040; renewed Sept. 3, 1925.

CLASS 7.

Cables, ropes, and twines. Plymouth Cordage Company. 198,391; May 12.

CLASS 11.

Cards, Compositions applied in making ornamental. Thaddeus Davids Company. 45,653; renewed Aug. 29, 1925.
Ink, Black. Thaddeus Davids Company. 45,605; renewed Aug. 22, 1925.
Ink, Writing. Thaddeus Davids Company. 46,640; renewed Sept. 26, 1925.

CLASS 12.

Insulating materials, Heat-. Armstrong Cork & Insulation Company. 198,367; May 12.
Lime, Hydrated. Houston Brothers Company. 46,557; renewed Sept. 26, 1925.

CLASS 13.

Chains, metal links and rings, etc. Bridgeport Chain Company. 198,342; May 12; Serial No. 206,340; published Feb. 17, 1925.
Fluid separators. Tracy Engineering Company. 198,344; May 12; Serial No. 206,984; published Feb. 17, 1925.
Signs, Metal. Hi-Art Signs. 198,345; May 12; Serial No. 207,016; published Feb. 17, 1925.
Train-pipe connecters, Automatic. J. Robinson. 198,357; May 12.
Valves, blower and blow-off valves, etc., Safety. Coale Muffler & Safety Valve Co. 198,340; May 12; Serial No. 205,993; published Feb. 17, 1925.

CLASS 14.

Castings. O. S. Flath Company. 198,329; May 12; Serial No. 189,356; published Feb. 17, 1925.

CLASS 15.

Kerosene, gasoline, motor fuel, etc. White Eagle Oil and Refining Company. 198,317; May 12; Serial No. 207,160; published Feb. 17, 1925.
Oil. G. W. Cole Company. 47,021; renewed Oct. 17, 1925.
Oils, Illuminating. Valvoline Oil Company. 46,496; renewed Sept. 19, 1925.
Oils, Lubricating. Marquette Petroleum Products. 198,316; May 12; Serial No. 207,196; published Feb. 24, 1925.

CLASS 16.

Art work, Outfits of materials for decorative plastic. Ullman Manufacturing Co. 198,279; May 12; Serial No. 204,380; published Feb. 24, 1925.
Coating, Wall. Muralo Company. 198,375; May 12.
Enamel in the nature of paint. Forsalin Products Corporation. 198,320; May 12; Serial No. 206,404; published Feb. 24, 1925.
Lead sulphate, Basic. Eagle Picher Lead Company. 198,268; May 12; Serial No. 192,315; published Feb. 24, 1925.
Lead, White. Wetherill & Brother. 45,054; renewed Aug. 1, 1925.
Paint, Oil enamel. Borden & Remington Co. 198,323; May 12; Serial No. 206,152; published Feb. 24, 1925.
Paint, Rust-inhibitive. Borden & Remington Co. 198,322; May 12; Serial No. 206,274; published Feb. 24, 1925.
Paints, varnishes, driers, etc. Certain-teed Products Corporation. 198,329; May 12; Serial No. 205,467; published Feb. 24, 1925.
Paints, varnishes, enamels. Garden City Paint & Varnish Co. 198,408; May 12.
Stain, Floor and varnish. Smith-Alsop Paint and Varnish Company. 198,370; May 12.
Varnish. Nu Var Products Co. 198,271; May 12; Serial No. 199,079; published Feb. 24, 1925.

CLASS 17.

Cigars. Calixto Lopez & Co. 46,505; renewed Sept. 26, 1925.

CLASS 19.

Vehicles, Dropped-forged irons for. H. D. Smith & Co. 45,334; renewed Aug. 15, 1925.

CLASS 21.

Carbons. H. Reisinger. 26,714; renewed June 18, 1925.
Carbons. H. Reisinger. 45,410–17; renewed Aug. 15, 1925.
Conductors or cables, Woven covered. F. M. Ferrin. 45,491; renewed Aug. 22, 1925.

CLASS 22.

Coaster or scooter vehicle. L. E. Walter. 198,248; May 12; Serial No. 207,955; published Feb. 24, 1925.
Dolls. I. Shilling-Patterson. 198,249; May 12; Serial No. 207,953; published Feb. 24, 1925.
Fish bait, Spoons for artificial. Enterprise Manufacturing Company. 198,254; May 12; Serial No. 207,716; published Feb. 24, 1925.
Miniature imitation-concrete building blocks. F. C. Müller. 198,253; May 12; Serial No. 207,795; published Feb. 24, 1925.
Toy building blocks. Colorado Springs Toy Company. 198,232; May 12; Serial No. 206,398; published Feb. 24, 1925.

CLASS 23.

Band-saw machines and blades. Henry G. Thompson & Son Company. 198,347; May 12; Serial No. 207,212; published Feb. 24, 1925.
Derricks and traveling cranes. Cullen-Friestedt Company. 198,349; May 12; Serial No. 207,348; published Feb. 24, 1925.
Files and rasps. Arcade File Works. 198,299; May 12; Serial No. 207,165; published Feb. 24, 1925.
Files and rasps. G. & H. Barnett Company. 46,791; renewed Oct. 10, 1925.
Files and rasps. Kearney & Foot Company. 46,794; renewed Oct. 10, 1923.
Grommet, hook-and-eyelet, and fastener setting machines. F. H. Smith Manufacturing Company. 198,373; May 12.
Locomotives and parts thereof. Baldwin Locomotive Works. 198,362; May 12.
Motors and parts thereof, tractors, etc. Société Anonyme des Usines Renault. 198,290; May 12; Serial No. 191,646; published Oct. 28, 1924.
Oil-pressure-feed systems. Akers Company. 198,365; May 12.
Shears. Acme Shear Company. 46,148; renewed Sept. 5, 1925.
Tool-making machines, paring machines, cutting machines, etc. H. Pels. 198,410; May 12.
Typewriters, Key caps for. J. L. Sweeney. 198,360; May 12.

CLASS 26.

Cameras. Goodwin Film & Camera Company. 198,337; May 12; Serial No. 205,059; published Feb. 17, 1925.
Films, Sensitized. Goodwin Film & Camera Company. 198,336; May 12; Serial No. 205,058; published Feb. 17, 1925.
Levels, Convertible. Geier & Bluhm, Inc. 198,335; May 12; Serial No. 204,901; published Feb. 17, 1925.
Meters, Water. Sentry Meter Co. 198,341; May 12; Serial No. 206,260; published Feb. 17, 1925.
Picture films, Moving-. R. M. Millar. 198,339; May 12; Serial No. 205,939; published Feb. 17, 1925.
Spectacles. Newport Optical Mfg. Co. 198,343; May 12; Serial No. 206,914; published Feb. 17, 1925.
Tables and boards and attachments for same, photo-retouching desks, etc., Drafting. American Drafting Furniture Co. 198,289; May 12; Serial No. 138,746; published Oct. 23, 1923.
Thermometers. Taylor Instrument Companies. 198,350; May 12; Serial No. 207,479; published Feb. 24, 1925.

CLASS 29.

Brushes. Mac Brush Company. 198,233; May 12; Serial No. 206,247; published Feb. 24, 1925.
Powder puffs. Red Raven Rubber Co. 198,246; May 12; Serial No. 189,914; published Feb. 24, 1925.
Toothbrushes, nailbrushes, hairbrushes, etc. Pro-Phy-Lac-Tic Brush Company. 198,241; May 12; Serial No. 205,491; published Feb. 24, 1925.
Toothbrushes, Sanitary. Revira Company. 198,242; May 12; Serial No. 205,229; published Feb. 24, 1925.

CLASS 34.

Automobile, windshields, Light shields for. J. A. Lamb. 198,368; May 12.
Oil-burning appliances. Aeroil Burner Company. 198,380; May 12.

CLASS 35.

Packings, Metallic. Paxton-Mitchell Company. 198,361; May 12.
Piston packing. American Steam Packing Company. 46,078; renewed Sept. 5, 1925.
Piston rings. Linley Brothers Company. 198,372; May 12.

CLASS 36.

Harmonicas, Mouth. Firm of M. Hohner. 44,815; renewed July 25, 1925.
Harmonicas, Mouth. Firm of M. Hohner. 45,131–2; renewed Aug. 8, 1925.
Harmonicas, Mouth. Firm of M. Hohner. 45,134–5; renewed Aug. 8, 1925.
Harmonicas, Mouth. Firm of M. Hohner. 45,837; renewed Aug. 29, 1925.
Harmonicas, Mouth. Strauss Bros. & Co. 46,051; renewed Sept. 5, 1925.
Pianos. Baldwin Company, The. 46,998; renewed Oct. 17, 1925.
Pianos. John Church Company, The. 46,670; renewed Oct. 3, 1925.
Pianos. Ellington Piano Company. 46,574; renewed Sept. 26, 1925.
Pianos. Steinway & Sons. 45,411; renewed Aug. 15, 1925.

Pianos. Steinway & Sons. 45,846–8; renewed Aug. 29, 1925.

CLASS 37.

Files, folders, binders, Letter. Cooke & Cobb Company. 198,409; May 12.
Paper, Wrapping. Diem & Wing Paper Co. 198,393; May 12.

CLASS 38.

Books, School text-. American Book Company. 46,783; renewed Oct. 3, 1925.

CLASS 39.

Arctics or galoshes. Converse Rubber Shoe Co. 198,273; May 12; Serial No. 201,079; Feb. 17, 1925.
Bib, Infant's. W. L. Root. 198,381; May 12.
Boots and shoes, Leather. Holland Shoe Co. 198,258; May 12; Serial No. 207,460; published Feb. 17, 1925.
Boots and shoes, rubbers, hosiery, etc. Boston Shoe Store. 198,244; May 12; Serial No. 202,977; published Feb. 10, 1925.
Brassière and corset, Combination. F. P. Hoy, Inc. 198,228; May 12; Serial No. 206,734; published Feb. 10, 1925.
Caps, Boudoir. William Strauss, Inc. 198,269; May 12; Serial No. 198,094; published Oct. 28, 1924.
Clocks, suits, hats, etc., Women's. I. Bezark and Sons, Inc. 198,406; May 12.
Clothing. M. N. Ketzlach. 198,397; May 12.
Clothing. John Wanamaker, New York. 198,392; May 12.
Clothing, Athletic and sports. John Wanamaker Philadelphia. 198,319; May 12; Serial No. 206,467; published Feb. 24, 1925.
Coats. Braemoor Coat Company. 198,266; May 12; Serial No. 189,656; published Mar. 11, 1924.
Collars. Cluet, Peabody & Co. 198,382–9; May 12.
Collars and cuffs. Earl & Wilson. 45,582; renewed Aug. 22, 1925.
Dresses. Classy Jean Dresses, Inc. 198,251; May 12; Serial No. 207,850; published Feb. 24, 1925.
Dresses. Frank & Seder Inc. 198,396; May 12.
Dresses, skirts, cloaks, and suits. Wolf & Dannziger. 198,243; May 12; Serial No. 203,289; published Feb. 10, 1925.
Frocks and dresses. E. G. B. Hovey. 198,314; May 12; Serial No. 207,935; published Feb. 24, 1925.
Garments, Men's outer. Steefel, Strauss & Connor. 45,531; renewed Aug. 22, 1925.
Gloves and mittens. Boss Manufacturing Company. 198,236–40; May 12; Serial Nos. 205,678–82; published Feb. 10, 1925.
Hats. Short-Gilleaudeau Co. 198,231; May 12; Serial No. 206,497; published Feb. 17, 1925.
Hats, Ladies'. Great Eastern Millinery Co. 198,229; May 12; Serial No. 206,730; published Feb. 10, 1925.
Hats, Ladies' and misses'. Cook & Little, Inc. 198,250; May 12; Serial No. 207,291; published Feb. 10, 1925.
Hats, Men's. Morris Katz Hat Co. 198,247; May 12; Serial No. 184,862; published Feb. 10, 1925.
Hosiery. Bear Brand Hosiery Co. 198,395; May 12.
Hosiery. Burson Knitting Company. 198,256; May 12; Serial No. 207,651; published Feb. 24, 1925.
Millinery. J. C. Neuhoff Inc. 198,235; May 12; Serial No. 206,019; published Feb. 24, 1925.
Overalls. Theo. Weiss & Co. 198,281; May 12; Serial No. 138,464; published Mar. 8, 1921.
Overalls, dresses, and men's dress and negligee shirts. J. L. Stifel & Sons. 198,326; May 12; Serial No. 205,498; published Feb. 24, 1925.
Shirts and blouses, Flannel. New Era Shirt Company. 198,356; May 12.
Shirts, nightshirts, pyjamas, and boys' blouses. S. Liebovitz & Sons, Inc. 198,315; May 12; Serial No. 207,664; published Feb. 24, 1925.
Shirts, Outer and dress. Earl & Wilson. 46,604; renewed Sept. 26, 1925.
Shirts, underwear, and pyjamas, Men's. Lorraine Shirt Company. 198,401; May 12.
Shirts, Work. J. Rombro. 198,267; May 12; Serial No. 207,594; published Feb. 24, 1925.
Shoes. Longwear Shoe Co. 198,230; May 12; Serial No. 206,582; published Feb. 17, 1925.
Shoes and leggings. Pneums Schuhfabrik A.-G. 198,331; May 12; Serial No. 193,541; published Nov. 4, 1924.
Shoes, rubbers, moccasins, etc. Richards & Brennan Co. 198,260; May 12; Serial No. 207,261; published Feb. 10, 1925.
Suits and topcoats, Men's. I. Gold. 198,402; May 12.
Suits, overcoats, and topcoats. Fruhauf Bros. & Co. 198,311–13; May 12; Serial Nos. 207,982–4; published Feb. 24, 1925.
Underwear. Julius Kayser & Co. 198,255; May 12; Serial No. 207,681; published Feb. 24, 1925.
Underwear, Men's. I. L. Marrow. 198,394; May 12.
Waists, dresses, cloaks, and suits. Congress Waist & Dress Company. 198,250; May 12; Serial No. 207,851; published Feb. 24, 1925.

CLASS 40.

Binding, Bias. Star Binding & Trimming Co. 198,353; May 12; Serial No. 207,884; published Mar. 3, 1925.
Combs. Julius Schmid, Inc. 198,298; May 12; Serial No. 206,641; published Feb. 17, 1925.
Combs. Julius Schmid, Inc. 198,351; May 12; Serial No. 207,528; published Feb. 17, 1925.
Combs. S. Shein. 198,332; May 12; Serial No. 196,405; published Feb. 24, 1925.
Embroidery patterns. Cupid Art Co. 198,346; May 12; Serial No. 207,180; published Mar. 3, 1925.
Hair goods. A. Breslauer Incorporated. 198,334; May 12; Serial No. 204,539; published Mar. 3, 1925.
Laces, Shoe. Cordo-Hyde Company. 198,295; May 12; Serial No. 204,952; published Feb. 24, 1925.
Lacings, galloons, and braids. International Braid Company. 198,300; May 12; Serial No. 207,242; published Feb. 17, 1925.
Lacings, galloons, and braids. International Braid Company. 198,348; May 12; Serial No. 207,243; published Feb. 17, 1925.
Pins. Monarch Marking System Company. 198,293; May 12; Serial No. 204,718; published Feb. 10, 1925.
Snap fasteners. United States Fastener Company. 46,072; renewed Sept. 5, 1925.
Tape. Gerstein Brothers. 198,352; May 12; Serial No. 207,736; published Feb. 17, 1925.

CLASS 42.

Ginghams. Planters & Merchants Mills, Inc. 198,403; May 12.
Rugs, Worsted Wilton. Model Mills Company. 198,366; May 12.
Sheetings. Pelzer M'f'g. Co. 44,980; renewed Aug. 1, 1925.
Sheetings. Pelzer M'f'g. Co. 45,763; renewed Aug. 29, 1925.
Sheetings and drills. Pelzer M'f'g. Co. 45,090; renewed Aug. 8, 1925.
Sheetings, Brown. Pelzer M'f'g. Co. 45,100; renewed Aug. 8, 1925.
Tapestry fabric. Morrell Mills, Inc. 198,358; May 12.

CLASS 44.

Arch supporters. E. W. Wallace. 198,363; May 12.
Belts, body braces, and surgical corsets, Abdominal. Berger Brothers Company. 198,371; May 12.
Dental abrasive points. Ransom & Randolph Co. 198,333; May 12; Serial No. 199,021; published Feb. 17, 1925.
Diapers, Children's. Twentieth Century Mfg. Co. 198,364; May 12.
Nipples and surgeons' rubber gloves, Rubber nursing. Pyramid Rubber Specialty Company. 198,338; May 12; Serial No. 205,613; published Feb. 17, 1925.
Pads, Kneel. R. Jobling. 198,376; May 12.
Sanitary step-ins, aprons, and belts. Star Garter Co. 198,330; May 12; Serial No. 192,936; published Aug. 19, 1924.
X-ray apparatus, supplies, materials, and accessories. James Picker Inc. 198,262; May 12; Serial No. 170,987; published Jan. 22, 1924.

CLASS 45.

Beverage. W. I. Bennett. 198,252; May 12; Serial No. 207,847; published Feb. 24, 1925.
Beverages. Lime-Cola Bottling Company, Atlanta, Ga. 198,272; May 12; Serial No. 200,267; published Oct. 28, 1924.
Grape juice. Creamette Company. 198,245; May 12; Serial No. 194,980; published Feb. 24, 1925.

CLASS 46.

Apples, Fresh. Gellatly Fruit Company. 198,285; May 12; Serial No. 208,842; published Mar. 3, 1925.
Apples, Fresh. White Bros. & Crum Co. 198,355; May 12.
Butter. Langlade County Creamery Co. 198,359; May 12.
Candy. Candy Bros. Mfg. Co. 198,264; May 12; Serial No. 182,085; published Apr. 8, 1924.
Candy. Loose-Wiles Biscuit Company. 198,287; May 12; Serial No. 208,595; published Mar. 3, 1925.
Candy. A. M. Ramer Co. 198,354; May 12; Serial No. 208,258; published Feb. 24, 1925.
Candy. Stephen F. Whitman & Son, Inc. 198,296; May 12; Serial No. 205,882; published Feb. 24, 1925.
Candy bar. Shotwell Mfg. Co. 198,307; May 12; Serial No. 208,112; published Feb. 24, 1925.
Canned cherries, gooseberries, and apples. Loveland Canning Company. 198,378; May 12.
Canned corn. Iroquois Canning Corporation. 198,304–5; May 12; Serial Nos. 208,147–8; published Feb. 24, 1925.
Canned lobster. M. A. Rex. 198,277; May 12; Serial No. 202,718; published Feb. 24, 1925.
Canned salmon. J. B. G. Dickinson. 198,308; May 12; Serial No. 208,093; published Feb. 24, 1925.
Canned tunny (fish). M. A. Rex. 198,274–5; May 12; Serial Nos. 201,261–2; published Feb. 24, 1925.
Canned tunny (fish). M. A. Rex. 198,276; May 12; Serial No. 202,712; published Feb. 24, 1925.
Catchup and evaporated milk, Tomato. Colter Company. 198,263; May 12; Serial No. 181,250; published Feb. 24, 1925.
Chocolate, Sweet and milk. Great Atlantic & Pacific Tea Company. 198,278; May 12; Serial No. 203,268; published Feb. 3, 1925.

Citron, Prepared. J. V. Apablasa. 198,288; May 12; Serial No. 208,632; published Mar. 3, 1925.
Coffee. Jas. H. Forbes Tea & Coffee Co. 198,306; May 12; Serial No. 208,133; published Feb. 24, 1925.
Coffee. G. Gutierres Vdes. 198,303; May 12; Serial No. 208,119; published Feb. 24, 1925.
Coloring and flavoring extracts. Palisade Manufacturing Company. 46,068; renewed Sept. 5, 1925.
Confection. Smiling Charlie, Inc. 198,267; May 12; Serial No. 190,477; published Nov. 18, 1924.
Confectionery containing chocolate. Ode & Gerbereux. 44,695; renewed July 18, 1925.
Dairy products, ice cream, desserts, etc. Hazelwood Company. 198,292; May 12; Serial No. 200,493; published Feb. 3, 1925.
Food for infants and invalids. Benger's Food, Limited. 198,325; May 12; Serial No. 206,103; published Feb. 24, 1925.
Fruits and vegetables, Fresh. W. R. Roach & Co. 198,301; May 12; Serial No. 207,404; published Feb. 10, 1925.
Fruits, Fresh citrous. Bowling Green Citrus Grow's Assn. 198,280; May 12; Serial No. 204,537; published Feb. 24, 1925.
Fruits, Fresh citrous. Johnston Fruit Company. 198,261; May 12; Serial No. 159,754; published Oct. 10, 1922.
Fruits, Fresh citrous. E. W. Wiggins. 198,328; May 12; Serial No. 205,097; published Feb. 10, 1925.
Grapes, Fresh. J. Rankine. 198,318; May 12; Serial No. 206,634; published Feb. 24, 1925.
Gum, Chewing. L. Hurwits. 198,291; May 12; Serial No. 198,638; published Feb. 24, 1925.
Ham and sausage. J. Davidson. 198,283; May 12; Serial No. 206,399; published Mar. 3, 1925.
Herrings, Preserved. James More Limited. 198,286; May 12; Serial No. 208,406; published Mar. 3, 1925.
Ice-cream ripener. Quality Biologic Company. 198,405; May 12.
Meat products. Anderson & Tarlow. 198,369; May 12.
Oranges, lemons, and grapefruit. Redlands Foothill Groves. 198,310; May 12; Serial No. 208,012; published Feb. 24, 1925.
Oranges, lemons, and grapefruit. J. H. Strait & Co. 198,309; May 12; Serial No. 208,020; published Feb. 24, 1925.
Potato chips. Wickham Brothers. 198,399; May 12.
Raisins, Dried. American Seedless Raisin Company. 198,282; May 12; Serial No. 205,256; published Mar. 3, 1925.
Raisins, Dried. S. G. Bonner. 198,297; May 12; Serial No. 206,054; published Feb. 10, 1925.
Raisins, Dried. Great Atlantic and Pacific Tea Company. 198,321; May 12; Serial No. 206,298; published Feb. 24, 1925.
Sauce or dressing. Wickham Brothers. 198,398; May 12.
Sausage. Swift and Company. 198,302; May 12; Serial No. 208,168; published Feb. 24, 1925.
Sausage, Dry. Cudahy Packing Company. 198,284; May 12; Serial No. 208,227; published Mar. 3, 1925.
Spices, coffee, and cornstarch for food purposes. A. D. Smith. 198,265; May 12; Serial No. 189,016; published Feb. 24, 1925.
Sugar. Michigan Sugar Company. 198,270; May 12; Serial No. 198,529; published Feb. 24, 1925.

CLASS 48.

Beer, Bottled lager. Valentin Blatz Brewing Company. 26,749; renewed July 2, 1925.
Malt extract. Geo. W. Harrington. 198,377; May 12.

CLASS 50.

Leather, Artificial. F. S. Carr Company. 198,294; May 12; Serial No. 204,815; published Feb. 10, 1925.
Mats. Wm. F. Kempf & Son. 198,300; May 12.

ALPHABETICAL LIST OF LABELS.

Abigail Blood Tonic. For Liquid Preparation for Internal Use in the Treatment of Diseases. L. A. Skiptarey. 28,679; May 12.
A-Envelope Manila. For Paper. Groveton Paper Company. 28,654; May 12.
Bohemian Cream. For Malt Extract. J. T. Denend. 28,642; May 12.
Bonded. For Oranges. Placentia Orange Growers Association. 28,674; May 12.
Bosch Hydrometer. For Hydrometers. Robert Bosch Aktiengesellschaft. 28,635; May 12.
California Wine Grape Tonic. For California Wine Grape Tonic, Otherwise Known as California's Wonder Tonic. California Wine Grape Products, Inc. 28,638; May 12.
Carmel Mountain. For Fresh Pears. M. B. Mason. 28,661; May 12.
Carmencita. For Oranges. Placentia Orange Growers Association. 28,671; May 12.
Cher-E-Coke. For Chocolate Bar with a Cherry in the Center. V. A. Woodrow. 28,684; May 12.
Co-Lin Crash. For Toweling. G. H. Brockenbrough, jr. 28,636; May 12.
Colombo. For Oranges. Placentia Orange Growers Association. 28,673; May 12.
Dairy Farm Brand. For Extra Selected Fresh Eggs. H. C. Prange Company. 28,675; May 12.
D-Envelope Manila. For Paper. Groveton Paper Company. 28,653; May 12.
Dr. Hartzell Tooth Brush. For Toothbrushes. Owens Staple-Tied Brush Company. 28,668; May 12.
Dr. Lippi Blood Purifier Tonic. For Blood Tonic. Dr. A. F. Lippi. 28,657; May 12.
Dutch Toast. For Bread. San Joaquin Baking Co. 28,678; May 12.
Excellent. For Disk Records. Excellent Record Corporation. 28,645; May 12.
Hand Decorated Candles. For Hand Decorated Art Candles. V. M. Vois. 28,662; May 12.
Haskell's Heavy Pack. For Apples. Earl Fruit Company. 28,644; May 12.
Hustler Beads. For Beads. J. L. Clark Manufacturing Co. 28,640; May 12.
—Instant suds. For Washing-Machine Soap. Citrus Soap Company of California. 28,639; May 12.
Kar-Brite Wonder Gloss. For Auto Luxury Which Prevents Rust, Polishes and Cleans at the Same Time, Producing a Durable Waterproof Finish. C. A. Ostrander & Sons. 28,666; May 12.
Klenz-All. For Liquid Compound for Cleaning of Clothes and Other Cleaning Purposes in a Home. F. G. Newton. 28,665; May 12.
Kraft Kloth. For Toilet Paper. Fort Howard Paper Company. 28,648; May 12.
La Flor De José Lianza. For Cigars. R. F. Walsh. 28,683; May 12.
Lindsay. For Canned Ripe Olives. Lindsay Ripe Olive Company. 28,656; May 12.
Line-A-Touch. For Devices to Hold Copies for Transcribing or Similar Purposes. Grabler-Day Co. 28,652; May 12.
Maier Select Pale. For a Malt Beverage. Maier Brewing Company. 28,659; May 12.
Mission. For Orange Juice. California Crushed Fruit Corporation. 28,637; May 12.
Miss-Lou. For Oysters. C. B. Foster Packing Co. 28,649; May 12.
Monkey Design Label. For Ambrokoko. Mammala Corporation. 28,660; May 12.
October Gold, Triple Blend Cider. For Cider. H. F. MacMillin. 28,658; May 12.
Owens Staple-Tied Tooth Brush. For Toothbrushes. Owens Staple-Tied Brush Company. 28,667; May 12.
Pabco-Toy Merry-Go-Round. For a Toy. Paraffine Companies, Inc. 28,669; May 12.
Pabco-Toy Ring Circus. For a Toy. Paraffine Companies, Inc. 28,670; May 12.
Packed for Safeway Stores Incorporated. For Ripe Olives. Safeway Stores Incorporated. 28,676; May 12.
Packed for Safeway Stores Incorporated. For Tunny. Safeway Stores Incorporated. 28,677; May 12.
Pain Cake. For Medicinal Plasters. Duane Remedies Corporation. 28,643; May 12.
Planada. For Preserved Figs. Beckwith Company. 28,634; May 12.
Porceleno Cleaner. For Cleaner to Remove Stains and Clean Bathtubs, Sinks, Washbasins, and Enamel Furniture. De Lite Products Co. 28,641; May 12.
Portola. For Oranges. Placentia Orange Growers Association. 28,672; May 12.
Quality. For Coffee. Jas. H. Forbes Tea & Coffee Co. 28,646; May 12.
Rudolph & Bauer. For Candy. Milwaukee Paper Box Co. 28,663; May 12.
Salsa Brava. For Canned Chili Sauce. P. Baca. 28,633; May 12.
Santa Wonder Walnuts. For Walnuts. G. M. Gest. 28,650; May 12.
Schimmel Brand Pure Jelled Fruit. For Preserves. American Preserve Co. 28,632; May 12.
Seagull. For Powdered Sugar. A. M. Q. Syme. 28,680; May 12.
Small Blacks. For Coffee Confection. Golden Pheasant. 28,651; May 12.
Talbot's. For Ant Powder Insecticide. Talbot Manufacturing Co. 28,681; May 12.
The Painter's Friend Newton's Water Stain Eradicator. For Liquid Compound Used to Destroy Water Stains in Plastered Walls so They will Not Show Through When Retinted. F. G. Newton. 28,664; May 12.
Union Maid Malt Syrup. For Barley-Malt Sirup. H. L. Mergard. 28,662; May 12.
Velvet. For Toilet Paper. Fort Howard Paper Company. 28,647; May 12.
W W H Flavors. For Flavorings for Food Products. W. W. Herrick. 28,655; May 12.

ALPHABETICAL LIST OF PRINTS.

All-Steel Wheel. For Vehicle Wheels. Budd Wheel Company. 7,922; May 12.
A man can wisely eat only what he can easily digest. For Wheat Breakfast Food. Cream of Wheat Co. 7,923; May 12.
A Six Months Schedule of Specials for Brick and Bulk Ice Cream. For Ice Cream. Blanke-Baer Extract & Preserving Company. 7,920; May 12.
Chas. A. Stevens & Bros., Cinderella's Slipper Had Something to do With It! For Women's Footwear. Chas. A. Stevens & Bros. 7,928; May 12.
For 28 years on the diet lists of baby specialists—Cream of Wheat. For Wheat Breakfast Food. Cream of Wheat Co. 7,925; May 12.
Hubing's Soda Mint Tablets. Hubing Pharmacal Co., Philadelphia, Pa. For Soda-Mint Tablets. The Hubing Pharmacal Co. 7,926; May 12.
If It's New—It's Here! For Textile Fabrics in the Piece. Walther Manufacturing Co. 7,930; May 12.
Selling Information and Retail Prices On Krank's Requisites For The Nails. For Preparations for the Nails. A. J. Krank. 7,927; May 12.
Shot-Shells U S Cartridges. For Cartridges. United States Cartridge Company. 7,929; May 12.
The best spring tonic is—Proper Food. For Wheat Breakfast Food. Cream of Wheat Co. 7,924; May 12.
Wheels of Steel. For Vehicle Wheels. Budd Wheel Company. 7,921; May 12.
White Sewing Machines. For Sewing Machines. White Sewing Machine Company. 7,931; May 12.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. Irvin T. Fangboner Co. 210,051; May 12.
Coal. King Coal Company. 210,585; May 12.
Coal. Western Fuel Company. 208,657; May 12.
Leather, Sole. Toxaway Tanning Co. 209,064; May 12.
Leather, Sole. Transylvania Tanning Co. 209,067; May 12.
Seeds, Field. Eastern States Farmers' Exchange. 210,833; May 12.

CLASS 2.

Boxes and wrappers. Mason Box Co. 209,133; May 12.

CLASS 3.

Packing cases, Collapsible. E. Chapotat. 189,491; May 12.

CLASS 4.

Composition for cleaning type and rubber stamps. B & O Chemical Company. 199,601; May 12.

CLASS 6.

Beauty clay. Ta San Products Co. 194,138; May 12.
Bitters, Sulphur. A. P. Ordway & Co. 209,102; May 12.
Borax, tooth powder, and cold cream. Burnham Chemical Company. 211,828; May 12.
Compacts, perfumes, and face powder. S. A. Rider Company. 210,011; May 12.
Compound to prevent corrosion of electric-battery connections and terminals. Corrosion X Intorcept Company. 210,713; May 12.
Compound used for hot-water-circulating systems, etc., for preventing formation of fluff, scale, or rust. Garrat-Callahan Co. 211,677; May 12.
Creams, lotions, hair tonics, etc. C. Friesen. 211,998; May 12.
Deodorants. C. H. Pope. 211,868; May 12.
Depilatories. L. T. Clark. 211,665; May 12.
Fuel ingredient. Johnson-Fox Company. 211,214; May 12.
Fumigant used in curing tobacco. Climax Tobacco Saver Co. 208,642; May 12.
Gases, Compressed. Carbide & Carbon Chemicals Corporation. 205,905; May 12.
Glycerin. Marx & Rawolle, Inc. 210,494; May 12.
Hair dyeing, Eau de cologne for. A. Martinez. 202,026; May 12.
Hair tint. Guilmont & Peters. 209,912; May 12.
Hair tonic. P. Mucci. 211,693; May 12.
Insecticides, deodorants, and disinfectants. Standard Oil Company (New Jersey). 211,512; May 12.
Licorice. Societe Teissonnière et Krietmann. 211,630; May 12.
Liniment. J. Toupal. 201,383; May 12.
Liquid for treating pyorrhea, sore throat, eczema, etc. Noxage Chemical Company. 211,944; May 12.
Medicinal compound for piles, eczema, itch, etc. Southern Weed Chemical Company. 210,145; May 12.
Medicinal oil. M. Frank. 211,997; May 12.
Nail polish. A. F. W. Haeussler. 211,931; May 12.
Nail polishes, cuticle remover, etc. Bevil, Inc. 206,936; May 12.
Preparation for the relief of indigestion. Ethicus Prompt Treatment Kit, Inc. 211,345; May 12.
Sedatives and hypnotics. Farbenfabriken vorm. Friedr. Bayer & Co. 211,912; May 12.
Tablets, Compressed. H. K. Mulford Company. 209,932; May 12.
Toilet preparations. Fallis Inc. 210,205; May 12.
Toilet preparations. Paris Toilet Company. 210,920; May 12.
Tonic for treatment of the blood, nerves, and digestive organs. E. L. Sands Chemical Company. 211,232; May 12.
Treatment of dandruff, diseases common to the scalp, and for preserving the hair. S. M. Baltzly. 211,150; May 12.

CLASS 8.

Pipes and cigar and cigarette holders, Tobacco. Brain Steward & Hartsborn, Ld. 210,036; May 12.

CLASS 12.

Brick, sewer pipe, tiles, and flue lining. Salt Lake Pressed Brick Company. 210,196; May 12.
Cement. Liverpool Borax Co. 186,142; May 12.
Cement. L. G. Sresovich. 188,072; May 12.
Insulating material, Cellular. Johns-Manville, Incorporated. 209,848; May 12.
Wall board and building paper. Beaver Products Company. 208,948; May 12.

CLASS 14.

Metals, Compound. S. S. Staley. 178,877; May 12.

CLASS 15.

Gasoline. Richfield Oil Company. 211,616; May 12.
Gasoline and kerosene. Indian Refining Company. 207,743; May 12.
Gasoline and lubricating oils. Virginia-Carolina Oil Corporation. 206,098; May 12.
Gasoline, lubricating oils and greases. L. V. White Company. 210,769; May 12.
Greases, Lubricating. Tide Water Oil Company. 192,161–2; May 12.
Kerosene, gasoline, oils, and greases. G. A. Bergfors. 211,449; May 12.
Oils and greases, Lubricating. G. B. Carran. 204,962; May 12.
Oils and greases, Lubricating. Monarch Manufacturing Company. 209,674; May 12.
Oils and greases, Lubricating. Willhelm Oil Company. 209,518; May 12.
Oils, Lubricating. Catlin Shale Products Co. 195,572; May 12.

CLASS 16.

Paints. O. Fitzpatrick. 208,234; May 12.
Paints and varnishes, Dry. J. Ehrlich. 210,893; May 12.

CLASS 17.

Cigarettes. M. d'E. Perch. 200,097; May 12.
Cigars. Shouse-Fulp Cigar Company. 211,809; May 12.
Cigars, cigarettes, and smoking tobocco. M. M. Leichter. 206,675; May 12.
Cigars, cigarettes, and tobacco. Gardiner & Wells Co. 211,266; May 12.
Tobacco, Plug and twist. Taylor Brothers, Incorporated. 207,414; May 12.
Tobacco, Smoking. Adams & Bennett Tobacco Co. 211,448; May 12.

CLASS 21.

Electric conductors, Conduits for. American Circular Loom Company. 204,579 May 12.
Electric-lighting fixtures. Colonial Lamp & Fixture Work. 203,026; May 12.
Fire logs, Imitation. Edwin A. Jackson & Bro. Inc. 207,079; May 12.
Radio apparatus, Inductance for use in. A. E. Hill Manufacturing Company. 208,099; May 12.
Radio parts and specialties. Sheffield Trimming & Stamping Co. 209,142; May 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Radio receiving sets. All-American Radio Corporation. 210,211–13; May 12.
Radio receiving sets. Amey, Becker & Scharp Company. 205,847; May 12.
Radio receiving sets. Marwol Radio Corp. 207,584; May 12.
Radio receiving sets and boxes of parts. Harkness Radio Corporation. 208,195; May 12.
Radio receiving sets and parts therefor. Freed-Eisemann Radio Corporation. 211,026; May 12.
Radiotubes. Amplitron Co. 209,268; May 12.
Signals, Vehicle traffic electrically-operated. Signaphore Company. 207,410; May 12.
Transformers. Robertson-Davis Co. 207,100; May 12.
Wireless apparatus. Burndept Limited. 193,027; May 12.

CLASS 22.

Game, Parlor board. C. A. Diedericha. 211,337; May 12.
Toys, Musical. F. G. Scholl. 211,382; May 12.

CLASS 23.

Knives, forks, spoons, penknives, scissors, carving sets, razors/ Table. Gebr. Krusius, Inc. 184,664; May 12.
Meat cutter or tenderer. R. V. Sowers. 206,698; May 12.
Shovels. Pittsburgh Shovel Company. 211,291; May 12.
Shovels. Zenith Shovel Company. 212,115; May 12.
Sweepers and cleaners and parts and attachments therefor. Scott and Fetzer Company. 209,179; May 12.
Taps, dies, and reamers. W. L. Brubaker & Bros. Company. 209,970; May 12.
Windmills. Butler Company. 211,830; May 12.

CLASS 26.

Cameras and parts thereof, Motion-picture. A. O. Bordoni. 204,652; May 12.
Pictures, Motion. W. A. Futter. 211,419; May 12.
Pictures, Motion. Inspiration Pictures, Inc. 209,791; May 12.
Sex detectors. F. H. Bussacott. 172,143; May 12.

CLASS 27.

Clocks and clock movements. Ansonia Clock Company. 210,097; May 12.
Watches and parts. A. Schild, A. G. (S. A.; Ltd.) 210,623–4; May 12.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 209,167; May 12.

CLASS 28.

Buttons, Collar. Pyramid Button Co. 206,859; May 12.
Rings, Finger. Wendell and Company. 198,491; May 12.

CLASS 31.

Filtering devices. E. Fouard. 199,684; May 12.
Refrigerators. California Metal Enameling Co. 210,346; May 12.
Refrigerators, ice chests, water coolers and filters, ice-cream freezers, and cabinets. Brager of Baltimore. 210,703; May 12.

CLASS 33.

Crystal bottles. Franklin Simon & Co. 211,672; May 12.

CLASS 34.

Cigar lighters. Union Fabric Company. 210,105; May 12.
Heaters, Portable pavement. Good Roads Equipment Corporation. 209,984; May 12.
Heaters, Radiant gas. Snow Manufacturing Company. 207,207; May 12.
Ranges and stoves. Tappan Stove Co. 209,710; May 12.
Toasters, wiener broilers, and waffle irons. W. Davies. 210,045; May 12.

CLASS 35.

Packing rings. United States Graphite Co. 209,600; May 12.
Tires, tire casings, and shoes and repair parts for same. Thomas Rubber Company. 209,755; May 12.
Tubes, Inner. United & Globe Rubber Company. 172,452; May 12.

CLASS 36.

Banjos, guitars, ukuleles, and mandolins. C. Bruno & Son, Inc. 210,948; May 12.
Concertinas. C. Wheatstone & Co. 201,989; May 12.
Instruments, Wood, wind, and brass. C. Bruno & Son Inc. 201,323; May 12.
Phonograph records. G. Courmoulis. 200,596; May 12.

CLASS 37.

Paper and tablets. San Jose Paper Co. 211,231; May 12.
Papers and envelopes, Writing. J. M. Berger. 193,089; May 12.
Papeteries, tablets, envelopes, etc. Southwest Tablet Manufacturing Company. 211,499; May 12.
Rubber bands. Eberhard Faber Pencil Company. 210,956; May 12.
Rubber eraser. Weldon Roberts Rubber Company. 211,242; May 12.

CLASS 38.

Magazine, Monthly. Red Pepper Publishing Co. 206,920; May 12.
Photographs. W. N. Dickinson. 209,079; May 12.
Yearbook. Maclub of America. 201,360; May 12.

CLASS 39.

Boots and shoes. Portage Shoe Mfg. Company. 211,618; May 12.
Brassières. Boyshform Brassière Co. 194,045; May 12.
Caps and bandeaux and sport bands, Boudoir. Simone Company. 210,861; May 12.
Coats or sweaters for children, Sport. J. Persky. 204,626; May 12.
Collar and cuff sets. Samuel Sampson, Inc. 210,502; May 12.
Elastic specialties. B. & R. Mfg. Co. 211,657; May 12.
Fur coats, Ladies'. B. Shaposnick. 210,505; May 12.
Garters. R. H. Biggs. 206,991; May 12.
Gloves. Thurlow Glove Company. 208,687; May 12.
Hats, Children's. Los Angeles Hat Company. 210,676; May 12.
Hats, underwear, skirts, suits, and gowns, Ladies'. J. G. Dimmitt. 209,464; May 12.
Heels and soles. L. B. Conant. 211,329; May 12.
Hosiery. Daum Rogers Spritzer Co. 210,225; May 12.
Hosiery. Jacob & Schey. 208,150; May 12.
Hosiery. W. J. McClelland. 204,718; May 12.
Hosiery. Triple A Hosiery Company. 189,183; May 12.
Hosiery, Ladies'. H. West. 207,816; May 12.
Hosiery, underwear, gloves, sweaters, etc. Tenzer Brothers. 206,983; May 12.
Mufflers, scarfs, and vests. Cisco, Inc. 209,76; May 12.
Shirts. Leibowitz & Porter, Inc. 211,534; May 12.
Shoes. Creel, Mauldin & Chambers, Incorporated. 194,436; May 12.
Shoes. United States Shoe Company. 209,553; May 12.
Shoes, Leather. Lansburgh & Bro. Inc. 210,795; May 12.
Shoes, Leather. J. E. Williams. 210,820; May 12.
Shoes, Men's leather. Alfred Kimball Shoe Co. 210,304; May 12.
Shoes, soling blocks, heel cushions, and rubber heels, Tops for. H. Schwarzschild. 208,756; May 12.
Slippers. Freeman-Thompson Shoe Co. 211,674; May 12.
Underwear, sweaters, dresses, coats, etc. Innes, Henderson & Co. 192,389; May 12.
Underwear, sweaters, hosiery, etc. J. L. Keiger. 204,457; May 12.
Vests, coats, trousers, and overcoats. H. A. Seinsheimer Company. 209,141; May 12.

CLASS 40.

Embroidery, Goods stamped for. C. R. Meissner Co. 211,367; May 12.
Pins, tape, combs, etc. Marshall Field & Company 197,267; May 12.

CLASS 42.

Billiard cloth. F. Reddaway & Co. 210,621; May 12.
Blankets. Meridian Textile Corporation. 191,893; May 12.
Blankets. Meridian Textile Corporation. 191,896; May 12.
Blankets. Meridian Textile Corporation. 191,898–900; May 12.
Blankets. Meridian Textile Corporation. 191,902–4; May 12.
Blankets, covers, coverlets, and spreads, Bed. M. Perego. 205,834; May 12.
Cotton fabrics. Heckmeyer Bros. 210,553; May 12.
Cotton goods in the piece. Georgia-Kincaid Mills. 208,808; May 12.
Cotton, linen, and hemp piece goods. Richardson, Tee, Rycroft and Company. 211,706; May 12.
Cotton piece goods. F. M. Bennet. 211,514; May 12.
Cotton piece goods. Marcus Brothers. 207,873; May 12.
Cotton piece goods. Spartan Mills. 211,297; May 12.
Cotton piece goods. Spartan Mills. 211,299–300; May 12.
Cotton piece goods. Spartan Mills. 211,302; May 12.
Crêpe satin in the piece. Hess, Goldsmith & Co. 210,732; May 12.
Dress goods. F. A. Bochmann & Co. 200,539; May 12.
Silk, cotton, wool, and hair piece goods. Société Lyonnaise pour l'Emploi de la Soie Artificielle dite "Sisa." 211,629; May 12.
Silk piece goods. Wechsler Barber Silk Company. 200,074; May 12.
Silk, silk and wool, silk mixed, and artificial mixed piece goods. Hillcrest Silk Mills. 207,018; May 12.
Silk, wool, etc., textile fabrics. Worcester Textile Co. 205,460; May 12.
Woolen piece goods. Forstmann & Huffmann Company. 208,905; May 12.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Woolen, silk, etc., Piece goods. B. Priestley & Co 206,367; May 12.

CLASS 43.

Threads. Société A. Crespel. 211,714–15; May 12.
Yarns, Woolen. Security Mills, Inc. 205,449; May 12.

CLASS 44.

Surgical knives and blades. W. N. Sharp. 210,627; May 12.

CLASS 45.

Beverages and sirup for making same. J. B. Fitzgerald. 206,569; May 12.
Beverages and sirup for making same. Southern Beverage Company. 210,423; May 12.
Beverages, fruit juices, extract sirups, concentrates, and compounds for making same. Florida Citrus Process Company. 209,982; May 12.
Sirups, concentrates, and emulsions for the preparation of soft drinks. Virginia Dare Extract Co. 191,108; May 12.

CLASS 46.

Cake. General Baking Company. 206,953–4; May 12.
Candies, pastries, etc. Josef Manner & Comp. A. G. 208,917; May 12.
Candy. E. A. Hoffman Candy Co. 207,742; May 12.
Canned chile con carne, bacon, lard, etc. Blayney-Murphy Company. 207,056; May 12.
Canned fish. Coast Fishing Company. 211,409; May 12.
Canned foods and tomato catchup. R. L. Craig & Co. 211,519; May 12.
Canned fruits, wheat flour, rolled oats, etc. Fitch-Thomas Company. 205,867; May 12.
Canned goods. N. Olive. 210,618; May 12.
Canned goods, pastry, butter, cheese, etc. C. S. Crary Company. 199,679; May 12.
Canned peas and corn and bottled catchup. Louis Levy Grocer Co. 210,849; May 12.
Canned salmon. Pacific Sea Foods Co. 204,783; May 12.
Chocolate. G. C. Bear. 196,788; May 12.
Chocolates and bonbons. Nunnally Company. 206,588; May 12.
Confectionery. L. Jacquin. 182,214; May 12.
Flour, Wheat. Royal Milling Company. 210,194; May 12.
Flour, Wheat. Wells-Abbott-Nieman Co. 210,638; May 12.
Food, Breakfast. Purity Oats Company. 208,489; May 12.
Fruits, Fresh citrous. Ft. Lauderdale Citrus Growers Ass'n. 207,734; May 12.
Fruits, Fresh citrous and deciduous. Mountain View Fruit Association. 209,858; May 12.
Fruits, fresh grapes, dried dates, fresh pomegranates, Deciduous and citrous. Arizona Orchard Company. 198,832; May 12.
Grapes, Fresh. Pioneer Fruit Company. 208,720; May 12.
Ice-cream cones. Paramount Cone Company. 211,488; May 12.
Milk, Evaporated. Defiance Dairy Products Company. 195,873; May 12.
Oil and vinegar, Cottonseed salad. C. H. Dietz. 209,774; May 12.
Oil, Olive. C. Tornello. 208,266; May 12.
Pears and apples, Fresh. Hunt Hatch & Co. 207,936; May 12.
Pears and plums, Fresh. E. Fourness. 209,837; May 12.
Peanuts and raisins, Chocolate-covered. Sunbiest Confections, Incorporated. 211,767; May 12.
Peppermints, Cream. Dairy Chocolate Company. 199,043; May 12.
Pies. Case & Martin Company. 210,349; May 12.
Potatoes. Helming & Helming. 194,445; May 12.
Sirup. New Orleans Coffee Company. 207,141–2; May 12.
Sirup, Malt. Western Malt Products Co. 209,515; May 12.
Sandwiches. H. H. Yarbrough. 207,642; May 12.
Vegetables, grapes, and cataloupes, Fresh. Lee & Hickcox. 210,395; May 12.
Vinegar. Cumberland Valley Fruit Products Company. 211,333; May 12.

CLASS 50.

Shoe forms. W. J. De Witt. 209,773; May 12.
Waterproof fabrics. W. G. & F. Proofing Co. 210,597; May 12.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Champion, Albert, assignor.)
Abbott Ball Company, The. (See Abbott, George E., assignor.)
Abbott, Donald B., Yarmouth, Me. Boot or similar article. Des. 67,254; May 12.
Abbott, George E., assignor to The Abbott Ball Company, West Hartford, Conn. Burnishing barrel. 1,537,520; May 12.
Abler, John E., Guelph, Ontario, Canada. Screw socket for the necks of flexible containers. 1,537,447; May 12.
Aeromarine Plane & Motor Company. (See Chilton, R., and Young, assignors.)
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Equalizing attenuation. 1,537,106; May 12.
Affel, Herman A., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Repeater for multiplex systems. 1,537,283; May 12.
Air Reduction Company. (See Roberts, M. H., and Van Nuys, assignors.)
Aktiebolaget Elektrisk Malmletning. (See Lundberg, H. T. F., and Nathorst, assignors.)
Albert, Clifford E., Cincinnati, assignor to The United States Playing Card Company, Norwood, Ohio. Card tray for playing cards and the like. 1,537,446; May 12.
Albright, Neil T., Kokomo, Ind. Protecting plate for mirror backs. 1,537,054; May 12.
Alexanderson, Ernst F. W., Schenectady, N. Y., assignor to General Electric Company. System of distribution. 1,537,055; May 12.
Allen, Edward B., Newton, Conn., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Tacking and barring machine. 1,537,155; May 12.
Alma, Maximilian, Vienna, Austria. Buffing and draw gear for railway vehicles. 1,537,726; May 12.
Alpe, Robert J., Birmingham, England. Universal coupling and the manufacture thereof. 1,537,790; May 12.
Alvord, Andrew P., New York, N. Y. Golf tee. Des. 67,255; May 12.
American Bottle Company, The. (See Ginter, Paul A., assignor.)
American Bottle Company, The. (See Johnson, Sigfrid W., assignor.)
American Bottle Company, The. (See Stewart, Gayle D., assignor.)
American Can Company. (See Banke, Herbert, assignor.)
American Can Company. (See Mayer, Arthur C., assignor.)
American Can Company. (See Miller, George F., assignor.)
American Can Company. (See Stabler, W. H., and Ayres, assignors.)
American Circular Loom Company. (See Lutz, George A., assignor.)
American Flexible Bolt Company. (See Seley, C. A., and McCallister, assignors.)
American Floor Surfacing Machine Company, The. (See Wolfe, Harry H., assignor.)
American Manganese Steel Company. (See McMinch, William T., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Optical Company. (See Schumacher, E. L., and Poston, assignors.)
American Oven & Machine Company. (See Netz, F., and Royan, assignors.)
American Sanitary Lock Corporation. (See Morgan, Donald C., assignor.)
American Steel & Wire Company. (See Meaker, John W., assignor.)
American Stove Company. (See Possons, Minard A., assignor.)
American Telephone and Telegraph Company. (See Affel, Herman A., assignor.)
American Telephone and Telegraph Company. (See Davidson, John, jr., assignor.)
American Telephone and Telegraph Company. (See Martin, William H., assignor.)
American Voith Contact Company. (See Priem, Paul, assignor.)
Amundsen, Gustav, Myrtle Point, Oreg. Amusement device. 1,537,791; May 12.
Andersen, Alfred B. (See McCarty, F. L., and Andersen.)
Anderson, Arvid E., Scotia, N. Y., assignor to General Electric Company. Automatic reclosing circuit-breaker system. 1,537,727; May 12.
Anderson, Gustaf A., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Truck side frame. 1,537,573; May 12.
Anderson, James S. (See Karpinsky, S., and Anderson.)
Angello, Charles. (See Colombo, J., and Angello.)
Annesley, George, Philadelphia, Pa. Rivet-sealing tool. 1,537,057; May 12.
Art Metal Construction Company. (See Card, Earl J., assignor.)
Asch, Leonard C., New York, N. Y. Hand bag or the like. Des. 67,256; May 12.
Assorati, Antenor, assignor of one-half to H. Charpentier, Lynbrook, N. Y. Bolt. 1,537,521; May 12.
Atlas Powder Company. (See Grant, Harry L., assignor.)
Aucutt, Fred W., assignor to Inland Empire Paper Co., Millwood, Wash. Drier for paper machines. 1,537,792; May 12.
Aumann, Louis A., Chicopee, Mass. Woven tubular fabric and making the same. 1,537,912; May 12.
Austin, Leslie W., San Jose, assignor of one-half to P. W. Lee, Sacramento, Calif. Treating ores, concentrates sands, and other materials carrying values. 1,537,215; May 12.
Automatic Bearing Machine Co. (See Kelly, L. J., and Smith, assignors.)
Automatic Electric Company. (See Jacobsen, Emil, assignor.)
Automatic Electric Company. (See Kirby, Omer, assignor.)
Automatic Electric Company. (See Wicks, John, assignor.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Averill, Earl A., Mount Vernon, N. Y., assignor to Locomotive Feed Water Heater Company. Feed-water heater. 1,537,056; May 12.
Avery Company. (See Jacobs, Winfred, assignor.)
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Canning machinery. 1,537,448; May 12.
Ayars, Charles H., assignor to Ayars Machine Company, Salem, N. J. Can-feeding mechanism. 1,537,449; May 12.
Ayars Machine Company. (See Ayars, Charles H., assignor.)
Ayers, Hiram J., New York, N. Y. Draw-off valve for ice-cream apparatus. 1,537,284; May 12.
Ayres, William H. (See Stabler, W. H., and Ayres.)
Beader, Rudolph, Lubeck, Germany. Contrivance for cleaning and boning fish. 1,537,574; May 12.
Babin, Jules, Paris, France. Machine with free-flying piston. 1,537,450; May 12.
Bagby, David S., La Belle, Mo. Protective screen. 1,537,216; May 12.
Bagley, Francis H., Louisville, Ky. Wire terminal. 1,537,728; May 12.
Bakelite Corporation. (See Brock, Frank P., assignor.)
Baker Brothers Glass Company. (See Ressler, Grover C., assignor.)
Ballou, George W. (See Ballou, James and G. W.)
Ballou, James, and G. W., Little Rock, Ark. Cylinder-grinding machine. 1,537,217; May 12.
Bancel, Paul A., Nutley, and J. F. Kirgan, Phillipsburg, assignors to Ingersoll-Rand Company, Jersey City, N. J. Condenser unit. 1,537,068; May 12.
Bandur, Adolph F., Berwyn, Ill., to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for applying a serving to a core. 1,537,575; May 12.
Banke, Herbert, Maywood, Ill., assignor to American Can Company, New York, N. Y. Side-gauge-locking device for slitters. 1,537,285; May 12.
Banks, William H., Winthrop, Mass. Child's vehicle. 1,537,729; May 12.
Barclay, James, London, England. Typographic composing machine. 1,537,327; May 12.
Barkman, Henry, Chicago, Ill. Hook. 1,537,780; May 12.

Barkschat, Henry. (See Gorrell, W. R., and Barkschat.)
Barnebey, Oscar L., Detroit, Mich. Manufacture of decolorizing carbons. 1,537,286; May 12.
Barnes, William H. (See Fleming, J. M., and Barnes.)
Barnhill, Frank D., et al., executors. (See Hudley, Charles R.)
Barolet, Alfred, Wickford, R. I. Stop motion for braiding machines. 1,537,576; May 12.
Bartolowsky, Jerome, Oakland, Calif. Musical toy. 1,537,218; May 12.
Basch, David, Schenectady, N. Y., assignor to General Electric Company. Composite-metal article. 1,537,731; May 12.
Bass, E. & J., Inc. (See Negbaur, Harry, assignor.)
Bate, Edward S., Hammond, Ind. Belt attachment. 1,537,287; May 12.
Bates, Thomas F., Shelbyville, Tenn. Dental tweezers. 1,537,793; May 12.
Bauer, William M., Chicago, Ill. Pianoforte agraffe. 1,537,913; May 12.
Baum, David, assignor to The Baum Machine Co., Livermore Falls, Me. Glove-finger-supporting device. 1,537,794; May 12.
Baum Machine Co., The. (See Baum, David, assignor.)
Baumeister, Heinrich, Pankow, Germany, assignor to General Electric Company. Multistage suction fan for vacuum cleaners and the like. 1,537,732; May 12.
Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Apparatus for forming lens-grinding tools. 1,537,059; May 12.
Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Delivery apparatus for confectionery machines. 1,537,914; May 12.
Baxter, Walter B. Detroit, Mich. Truck. 1,537,156; May 12.
Bazeley, Arthur J., and J. Willison, assignors, by mesne assignments, to National Malleable and Steel Castings Company, Cleveland, Ohio. Engine coupler and pocket therefor. 1,537,451; May 12.
Beam, Jacob C., Phillipsburg, N. J. Traffic indicator. 1,537,288; May 12.
Beardslee, Arthur C., Arcade, assignor to Merrell-Soule Company, Syracuse, N. Y. Combining and desiccating substances. 1,537,060; May 12.
Beatty, Earle J. R., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,537,733; May 12.
Beatty, William T., Floasmoor, Ill. One-man-power grader. 1,537,328; May 12.
Becke, Dora, Farrell, Pa. Reclining chair. 1,537,734; May 12.
Becker, Heinrich, Kiel-Hassee, assignor to Fried. Krupp Aktiengesellschaft Germaniawerft, Kiel-Gaarden, Germany. Device for regulating the pressure of the injecting air of two-stroke internal-combustion marine engines provided with scavenging pumps. 1,537,733; May 12.
Beckerleg, Bert. (See Cruse, A. J., Hanscom, and Beckerleg.)
Becton, Dickinson & Co. (See Schwidetzky, Oscar O. R., assignor.)
Bell, Sarah L., Cambridge, Mass. Automatic shut-off. 1,537,915; May 12.
Bellegay, Michael, Chicago, Ill. Combined tellurion and clock case. Des. 67,257; May 12.
Bello, Marino, Highland Park, Ill. Battery container. Des. 67,258; May 12.
Bennett, Joseph S., Hammondsport, N. Y. Fireplace heating and draft-control apparatus. 1,537,736; May 12.
Benson, Olaf, Red Wing, Minn. Headlight. Des. 67,259; May 12.
Berg, Evan, Spokane, Wash. Headlight. 1,537,219; May 12.
Berg, John, assignor to Metal Specialties Manufacturing Company, Chicago, Ill. Electrical ignition device. 1,537,577; May 12.
Berger Bros. Company. (See McKee, Parker H., assignor.)
Bergman, Sven R., Nahant, Mass., assignor to General Electric Company. Alternating-current commutator motor. 1,537,737; May 12.
Bianchi, Joseph and L. A., Chicago, Ill. Oil burner. 1,537,289; May 12.
Bianchi, Louise A. (See Bianchi, Joseph and L. A.)
Bird Harold S., Cambridge, Mass. Door catch. 1,537,329; May 12.
Bisbing, Ingham W., Colwyn, Pa. Amusement device. 1,537,738; May 12.
Bishop, George E., Cleveland, Ohio. Mounting for automobile side inclosures. 1,537,522; May 12.
Bishop, William K., Binghamton, assignor to The Brewer-Titchener Corporation, Cortland, N. Y. Light for vehicle curtains. 1,537,739; May 12.
Black, Louis, New York, assignor of one-half to Eastman Machine Company, Buffalo, N. Y. Pressing and starching implement. 1,537,916; May 12.
Blackstone, Guy H., Zanesville, and R. E. Silvey, Columbus, Ohio. Combination dressing table and wardrobe. Des. 67,260; May 12.
Blakeman, Francis, assignor of one-half to F. L. Pyles, Eads, Colo. Radiator shield. 1,537,452; May 12.
Blair, Julius J., assignor to Blek Company, Manufacturers, St. Louis, Mo. Garter. 1,537,157; May 12.
Blair, Lewis V. D. (See Simonson, W. W., and Blair.)
Blair Manufacturing Company. (See Case, Adelbert B., assignor.)
Blek Company, Manufacturers. (See Blair, Julius J., assignor.)
Bliss, Richard H., assignor to Rogers Electrical Laboratories Company, Cleveland, Ohio. Heating element. 1,537,740; May 12.
Blume, Louis F., Pittsfield, Mass., assignor to General Electric Company. Transformer. 1,537,927; May 12.
Blumenthal, Sidney, & Co. (See Gowans, James, assignor.)
Blumschein, Ludwig, Berlin-Johannisthal, Germany. Controlling or regulating device for propellers. 1,537,401; May 12.
Blunt, James G., Schenectady, N. Y. Locomotive driving box. 1,537,061; May 12.
Blunt, James G., Schenectady, N. Y. Locomotive driving box. 1,537,062; May 12.
Bock, Richard W., River Forest, Ill. Lamp. Des. 67,261; May 12.
Bodmer, Ernst. (See Zehntner, E., and Bodmer.)
Bohn, Fred C., New York, N. Y. Massage device. 1,537,795; May 12.
Boland, Peter J., Berwyn, Pa. Danger signal. 1,537,523; May 12.
Bolin, Leonard M., assignor of one-half to S. Bolin, Chicago, Ill. Dental X-ray-film package. 1,537,925; May 12.
Bolin, Stanley. (See Bolin, Leonard M., assignor.)
Borroughs, Joseph N., Oakland, Calif. Coin-control towel cabinet. 1,537,220; May 12.
Bösebeck, Emil, Barmen, and E. Türck, Langerfeld, near Barmen, Germany. Producing leaflike figure work in braided lace. 1,537,510; May 12.
Bossard, Gisbert L., Troy, N. Y., and R. Zaugg, Berne, Switzerland, assignors to Bossard Railway Signal Corporation, Troy, N. Y. Electric flasher. 1,537,796; May 12.
Bossard Railway Signal Corporation. (See Bossard, G. L., and Zaugg, assignors.)
Böttcher & Müller. (See Müller, Max, assignor.)
Bottenberg, Julius, Barmen, assignor to the Firm of Alb. & E. Henkels, Langerfeld, near Barmen, Germany. Beater device for braiding machines. 1,537,402; May 12.
Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,537,107; May 12.
Bouton, Edgar M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,537,578; May 12.
Bowdoin, Harry L., assignor to Cone Company of America, Long Island City, N. Y. Apparatus for the manufacture of ice-cream cones. 1,537,453; May 12.
Bower, Ferdinand A., and E. A. De Waters, Flint, assignors to General Motors Corporation, Detroit, Mich. Vehicle. 1,537,579; May 12.
Bowling, E. H., et al. (See Player, Osteen J., assignor.)
Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 67,262; May 12.
Boye Needle Company, The. (See Carlson Gustav A., assignor.)
Brewer-Titchener Corporation, The. (See Bishop, William K., assignor.)
Brewster, Percy D., East Orange, N. J. Coloring or dyeing photographic images. 1,537,524; May 12.
Brickle, Frank, San Francisco, Calif. Adjustable bearing. 1,537,655; May 12.
Briggs, Harold L., Canastota, N. Y. Crumb scraper. Des. 67,263; May 12.
Briody, Bernard, Chicago, Ill., assignor to Truscon Steel Company, Youngstown, Ohio. Roadway joint. 1,537,063; May 12.
Briscoe, Frank. (See McCalmont, A. W., and Briscoe.)
Britton, Leon. (See Lee, Henry J., assignor.)
Brocas, Harry A. (See Wilson, G. D., and Gramm, assignors.)
Brock, Frank P., Evanston, Ill., assignor to Bakelite Corporation, New York, N. Y. Abrasive implement and making same. 1,537,454; May 12.
Bromley, Raymond V., Washington, Pa., assignor to Hazel-Atlas Glass Company, Wheeling, W. Va. Glass condiment jar. Des. 67,264; May 12.
Bronson, Adelbert E., Cleveland, Ohio. Nut. 1,537,064; May 12.
Brookes, Arthur J. C. (See Sears, J. E., jr., and Brooks.)
Brooks, Alfred A., Wellsville, N. Y., assignor to General Electric Company. Centrifugal compressor. 1,537,656; May 12.
Brooks, Edward J., East Orange, N. J. Sealing means. 1,537,741; May 12.
Brown & Bigelow. (See Kristofek, Frank J., assignor.)
Brown, Clarence H., Cedar Rapids, Iowa, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,537,455; May 12.
Brown, Eugene S., Oak Station, Pa. Gas heater. Des. 67,265; May 12.
Brown, John, Auckland, New Zealand. Wear and strain resisting fabric. 1,537,456; May 12.

Brown-Lipe Gear Company. (See Carhart, George C., assignor.)
Brown-Lipe Gear Company. (See Sponable, George W., assignor.)
Bruce, William M., jr., Springfield, Ohio. Telegraphy. 1,537,742; May 12.
Bruce, William M., jr., Springfield, Ohio. Telegraphy. 1,537,743; May 12.
Bruce, William M., jr., Springfield, Ohio. Telegraphy. 1,537,744; May 12.
Bruce, William M., jr., Springfield, Ohio. Printing telegraphy. 1,537,745; May 12.
Brühl, Paul, assignor to the Firm: Maschinenfabrik "Rheinland" A.-G., Dusseldorf, Germany. Grinding device. 1,537,403; May 12.
Bryan, Don C., Huntington Beach, Calif. Tiltable bed, truck, and shiftable crane. 1,537,457; May 12.
Bryant, Harry F. (See Johanson, Charles O., assignor.)
Buchanan, Frank, Syracuse, N. Y. Street traffic signal. Des. 67,266; May 12.
Buck, Peter F. (See Schmitt, A. E., and Buck.)
Buckendale, Laurence R., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Cross tube for steering gears. 1,537,330; May 12.
Buffalo Pottery. (See Bown, Lewis H., assignor.)
Bugenhagen, George H., Minot, N. Dak. Ladder stool. 1,537,221; May 12.
Bull, George E., Monessen, assignor to Pittsburgh Steel Company, Pittsburgh, Pa. Reel. 1,537,458; May 12.
Bunbury, Harold L. A., East Malvern, Victoria, Australia. Device for connecting hose pipes to water taps. 1,537,797; May 12.
Bundy, Harry W., Detroit, Mich. Tubing. 1,537,404; May 12.
Bundy, Harry W., Detroit, Mich. Making double tubes. 1,537,405; May 12.
Bunker, Artemas C., Seattle, Wash. Fish bait. 1,537,290; May 12.
Burch, Lawrence A., Jamestown, N. Y. Combination tool. 1,537,657; May 12.
Burdin, Adelbert E., assignor to E. D. Burdin, Omaha, Nebr. Humidifier. 1,537,065; May 12.
Burdin, Eva D. (See Burdin, Adelbert E., assignor.)
Burgers, Johannes A., assignor to Naamloose Vennootschap Nederlandsche Onderdeelen Corporatie, Deventer, Netherlands. Meat-slicing machine. 1,537,746; May 12.
Burkett, Ira E., assignor to Schofield-Burkett Construction Company, Macon, Ga. Combined scraper and dumping device. 1,537,580; May 12.
Busch, William E., jr., Akron, Ohio. Signal light. Des. 67,267; May 12.
Butler, Obadiah, A. Morin, and C. J. Lowry, Danielson, Conn. Electric stop motion. 1,537,581; May 12.
Callendar, Charles E., and J. V. Gittinger, Tiffin, Ohio. Battery-terminal connection. 1,537,086; May 12.
Campbell, Charles P., Orillia, Ontario, Canada. Locking tongue for knockdown furniture. 1,537,459; May 12.
Campbell, Harry A., Portland, Oreg. Exhaust-nozzle cover. 1,537,331; May 12.
Campbell, James D., and W. T. Tucker, Duncan, Okla. Cooling-fan attachment for cushion seats. 1,537,460; May 12.
Card, Earl J., assignor to Art Metal Construction Company, Jamestown, N. Y. Drawer suspension. 1,537,067; May 12.
Carhart, George C., assignor to Brown-Lipe Gear Company, Cyracuse, N. Y. Gear-lapping machine. 1,537,582; May 12.
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Gear-lapping machine. 1,537,583; May 12.
Carhart, George C., assignor to The Brown-Lipe Gear Company, Syracuse, N. Y. Shifting-rod lock for transmission gearing. 1,537,584; May 12.
Carhart, George C., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Gear-lapping machine. 1,537,658; May 12.
Carlson, Gustav A., assignor to The Boye Needle Company, Chicago, Ill. Sewing-machine-belt package and manufacture. 1,537,585; May 12.
Carney, Joseph P., Chicago, Ill. Headlight. 1,537,332; May 12.
Carr Fastener Company. (See Carr, Fred S., assignor.)
Carr Fastener Company. (See Elwell, George H., assignor.)
Carr, Fred S., Newton, assignor to Carr Fastener Company, Cambridge, Mass. Stud. 1,537,798; May 12.
Casarotti, Romeo A., Oakland, Calif. Ball cock. 1,537,333; May 12.
Case, Adelbert B., deceased, Springfield, Mass.; Union Trust Company, administrator, assignor to Blair Manufacturing Company. Lawn mower. 1,537,917; May 12.
Case, Gerald O., and J. R. Garrow, assignors to Novocretes Limited, London, England. Making compositions of fibrous materials and cement. 1,537,406; May 12.
Castellani, Antoine, assignor to Societe d'Optique et de Mecanique de Haute Precision, Paris, France. Mechanism for transforming a displacement of a member into an inversely-proportional displacement of another member. 1,537,222; May 12.
Cates, Lafayette, Drexel Hill, Pa. Making molds for producing printing plates. 1,537,461; May 12.
Cave, Henry, Springfield, Mass. Brush or the like. 1,537,918; May 12.
Centre Lighting Fixture Mfg. Co., The. (See Novin, Joseph, assignor.)
Chalmers, Allan M., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 67,268; May 12.
Chambers, Julian S. (See Woodward, D. H., and Chambers.)
Champion, Albert, assignor to A C Spark Plug Company, Flint, Mich. Self-cleaning spark plug. 1,537,586; May 12.
Chapman, Le Roy J., Salt Lake City, Utah. Staple-wire clincher. 1,537,799; May 12.
Chapman, William M., New Orleans, La. Auto support and jack. 1,537,800; May 12.
Charpentier, Henri. (See Assorati, Antenor, assignor.)
Chase Companies, Inc. (See Wellington, Arthur W., assignor.)
Chatillon, George E., New York, N. Y. Weighing device. 1,537,158; May 12.
Chicago Granitine Manufacturing Company et al. (See Grogan, Robert S., assignor.)
Chilton, Roland, and H. H. Young, Keyport, N. J., assignors to Aeromarine Plane & Motor Company, Pinton. 1,537,525; May 12.
Church, Frederick P., Lynn, Mass., assignor to General Electric Company. Electrical instrument. 1,537,407; May 12.
Clark Brothers Company. (See Reid, Joseph S., assignor.)
Clark, Henry F., Oakmont, assignor to Window Glass Machine Company, Pittsburgh, Pa. Cooling hollow glass articles during drawing. 1,537,462; May 12.
Clark, Walter J. (See Romine, W. M., and Clark.)
Clarke, J. C., et al. (See Player, Osteen J., assignor.)
Clas, Angelo R., Toledo, Ohio, assignor to The Toledo Automotive Products Company. Window-control mechanism. 1,537,223; May 12.
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,537,747; May 12.
Clayton and Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)
Cluss, Bernhard, Newark, N. J. Spinning top. 1,537,334; May 12.
Cockburn, Francis B., assignor to The Lodge & Shipley Machine Tool Company, Cincinnati, Ohio. Combined turning and milling lathe. 1,537,801; May 12.
Cogswell, Frank H., Manistee, Mich. Combined dispensing spout and shaker for cans or boxes. 1,537,408; May 12.
Cohen, Samuel, Brooklyn, N. Y. Radio-frequency transformer. 1,537,224; May 12.
Cole, Don, assignor of one-half to J. A. Dienner, Chicago, Ill. Internal-combustion engine. 1,537,748; May 12.
Colgrove, Charles E., Toronto, Ontario, Canada. Liner machine. 1,537,749; May 12.
Collins, Dennis P., Pittsburgh, Pa. Transmission mechanism. 1,537,802; May 12.
Colombo, John, and C. Angello, Auburn, N. Y. Means for ventilating and cooling cars. 1,537,587; May 12.
Columbia Phonograph Company. (See Roberts, Theodore C., assignor.)
Comeau, Larry L., Bradford, Mass. Constructing boots and shoes. 1,537,409; May 12.
Commercial Furniture Company. (See Stringe, Alfred H., assignor.)
Cone Company of America. (See Bowdoin, Harry L., assignor.)
Consolidated Controls Corporation. (See Gould, Edwin J., assignor.)
Conrad, Nicholas J., Wilmette, assignor to Schweitzer & Conrad, Chicago, Ill. High-tension liquid break switch. 1,537,750; May 12.
Cookson, Gladys B., Cleveland, Ohio. Combination sunbonnet and house caps. 1,537,751; May 12.
Cooper Hewitt Electric Company. (See Malley, Roy D., assignor.)
Copley, George B., Des Moines, Iowa. Handle for saws. 1,537,108; May 12.
Cortland Line Co. (See Hodgson, H., and Reynolds, assignors.)
Courtney, Robert A., Westminster, Md. Sanitary sugar bowl. 1,537,410; May 12.
Couter, William F., Palo Alto, Calif. Shotgun shell. 1,537,291; May 12.
Cox, Daniel R., and D. A. Kinnie, Pasadena, Calif. Manifold lock. 1,537,411; May 12.
Cox, Everett L., Fort Scott, Kans. Valve lifter. 1,537,803; May 12.
Coyne, Frances M., executrix. (See Coyne, Frank H.)
Coyne, Frank H., deceased, Bryn Mawr, Pa.; F. M. Coyne, executrix. Producing waterproof sheets from fibrous material by the use of sulphur. 1,537,752; May 12.
Craig, Le Roy. (See Snyder, J., Craig, and Sullivan.)
Craven, John M. F., Sheffield, England. Fluid-pressure press. 1,537,753; May 12.
Crosby, Martin F., Mount Berry, Ga. Lawn mower. 1,537,804; May 12.

Croselmire, Frederick A., Newark, N. J., assignor, by mesne assignments, to R & H Platinum Works, Inc., New York, N. Y. Ring and making same. 1,537,038; May 12.
Cross, Charles N., Stanford University, Calif. Gas burner. 1,537,335; May 12.
Cruse, Andrew J., W. L. Hanscom, and B. Beckerleg, San Francisco, Calif. Automobile turning signal. 1,537,292; May 12.
Cummings, George P. (See Cummings, George W. and G. P.)
Cummings, George W. and G. P., Elmhurst, N. Y. Lubricating attachment for transmission cases. 1,537,150; May 12.
Currie, Richard S., Toronto, Ontario, Canada. Means for making tubular articles. 1,537,336; May 12.
Curtis, Lewis E., Warren, Ohio, assignor to The Youngstown Pressed Steel Company. Expanded-metal lath. 1,537,588; May 12.
Da Costa, Arthur V., Providence, R. I. Toy. 1,537,293; May 12.
Dafferner, Charles F., Ottumwa, Iowa. Machine for cutting sod. 1,537,412; May 12.
Dake, Charles W., assignor to The Pyle-National Company, Chicago, Ill. Valve. 1,537,413; May 12.
Dalton Adding Machine Company. (See Landsiedel, Harry, assignor.)
Darling, Alice O., Bristol, N. H. Means for overcoming insomnia. 1,537,414; May 12.
Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 67,269; May 12.
Daudy, Marc H., assignor to North American Lace Company, Philadelphia, Pa. Lace. Des. 67,270; May 12.
Davidson, Bruce J., Marseilles, Ill., assignor to Wirebounds Patents Company. Machine for use in making boxes, crates, and the like. 1,537,926; May 12.
Davidson, John, Tutbury, Burton, assignor to The Record Crude Oil Engine Company, Limited, London, England. Internal-combustion engine. 1,537,805; May 12.
Davidson, John, jr., Trenton, N. J., assignor to American Telephone and Telegraph Company. Telephone system. 1,537,109; May 12.
Davis, David C., Chester, Pa., assignor to Westinghouse Electric and Manufacturing Company. Autostop mechanism. 1,537,069; May 12.
Davis, Kenneth, assignor to R. Peale, St. Benedict, Pa. Power-transmitting mechanism. 1,537,415; May 12.
Davis, Roy P. M., Mount Union, Pa. Mold sander. 1,537,225; May 12.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 67,271; May 12.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Shoe. Des. 67,272; May 12.
Davis, Taube, assignor to Franklin Simon & Co., Inc., New York, N. Y. Coat. Des. 67,273; May 12.
Dawson, George H., Boston, Mass., and H. F. Frease, Canton, Ohio. Strip and rod trussed structure. 1,537,589; May 12.
De Angulo, Daniel, near Dayton, Ohio. Feeding fountain for poultry. 1,537,337; May 12.
De Boer, Roelof, and H. W. de Voogt, Heemstede, Netherlands. Trailing net. 1,537,416; May 12.
De Courcy, Percy A., Boston, Mass. Uniform-gold protector. 1,537,294; May 12.
De Grave, Michael J., Chicago, Ill. Curtain stretcher. 1,537,754; May 12.
Delco-Light Company. (See Federle, Joseph C., assignor.)
Demetropoulos, Peter, Chicago, Ill. Combined clock case and stand. Des. 67,274; May 12.
Detroit Pressed Steel Company. (See Putnam, Alden L., assignor.)
Deverall, Charles, assignor to The James Morrison Brass Manufacturing Company, Limited, Toronto, Ontario, Canada. Homogeniser gauge. 1,537,338; May 12.
Devine, John J., Middletown, Conn. Fountain pen. 1,537,806; May 12.
De Voogt, Henry W. (See De Boer, R., and de Voogt.)
De Wald, George, Brooklyn, N. Y. Headlight shield. 1,537,417; May 12.
De Waters, Enos A. (See Bower, F. A., and de Waters.)
De Weese, Henry C., Portland, Oreg. Pulveriser. 1,537,418; May 12.
De Witt-La France Company. (See De Witt, William P., assignor.)
De Witt, William P., Somerville, assignor to De Witt-La France Company, Cambridge, Mass. Lever filler for fountain pens with metal casings. 1,537,226; May 12.
De Witt, William P., Somerville, assignor to De Witt-La France Company, Cambridge, Mass. Dial with universal connections. 1,537,227; May 12.
Dexter Folder Company. (See Rader, Earl D., assignor.)
Diehl, Frederick, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Connecter. 1,537,160; May 12.
Dienner, John A. (See Cole, Don, assignor.)
Dixon, Colonel, et al. (See Schultz, Jesse E., assignor.)
Dixon, Henry M., Westpoint, Tenn. Chain tightener or stump puller. 1,537,070; May 12.
Diesk, John, jr., assignor to Strom Ball Bearing Manufacturing Company, Chicago, Ill. Assembling ball bearings. 1,537,590; May 12.
Doddridge, James M., Milton, Ind. Gate hinge. 1,537,420; May 12.
Dodge, Milton L., Newburyport, Mass. Turn shoe. 1,537,419; May 12.
Dodson, Carroll E., Kansas City, Mo. Vanity case. 1,537,591; May 12.
Doggett, Calhoun J. (See La Mott, D. V., and Doggett.)
Domestic Electric Company, The. (See Jannell, William, assignor.)
Donner, Stephen, Toledo, Ohio, assignor of one-half to J. M. Gould, Hastings, Mich. Blocker for growing vegetation. 1,537,659; May 12.
Doredant, Theodore C., and H. P. Pfeffer, New Orleans, La. Flush tank. 1,537,807; May 12.
Dougherty, Thomas F. (See Reynolds, R. N., and Dougherty.)
Douglas, Clayton C., Felts Mills, N. Y. Illuminated license plate. 1,537,808; May 12.
Dowling, Francis J., New York, N. Y. Union pipe fitting. 1,537,755; May 12.
Doyle, James S. (See Hedley, F., and Doyle.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Draper-Maynard Company, The. (See Maynard, John E., assignor.)
Dring, Joseph B., Boston, England. Carton. Des. 67,275; May 12.
Driscoll, Bartholomew L., Watsonville, Calif. Grapple. 1,537,421; May 12.
Dubilier Condenser and Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser and Radio Corporation. Electrical condenser. 1,537,660; May 12.
Dufek, Louis, Seattle, Wash. Headlight lens. 1,537,526; May 12.
Dugan, Samuel A., Galveston, Tex. Incinerator. 1,537,422; May 12.
Dumble, Clifford R. (See Jennings, C. S., and Dumble.)
Dunkerley, Luke, assignor to Asa Lees and Company Limited, Oldham, England. Drawing-frame roller. 1,537,527; May 12.
Duratex Corporation. (See Wilson, John A., assignor.)
Durham, P. J., Company. (See Oman, Theodore J., assignor.)
Du Vall, Alexander C., Oxford, Ohio. Detachable spur for wheels. 1,537,502; May 12.
Eadie, John M., New York, and O. P. Liebreich, Brooklyn, N. Y.; said Liebreich assignor to said Eadie. Short-turn trailer. 1,537,339; May 12.
Eastman Machine Company. (See Black, Louis, assignor.)
Easton, Ernest C., Maplewood, N. J. Game apparatus. 1,537,809; May 12.
Eaton, Richard M., assignor to Niagara Searchlight Company, Inc., Niagara Falls, N. Y. Assembling battery cells. 1,537,340; May 12.
Eby, Eugene D., Pittsfield, Mass., assignor to General Electric Company. Incased transformer. 1,537,756; May 12.
Edlund, Henry J., Burlington, Vt. Can opener. 1,537,110; May 12.
Edmunds & Jones Corporation. (See Gough, James J., assignor.)
Edmunds & Jones Corporation. (See Knight, Charles Y., assignor.)
Egloff, Gustav, Independence, Kans., assignor to Universal Oil Products Company, Chicago, Ill. Cracking oil. 1,537,593; May 12.
Ehret, Cornelius D., Philadelphia, Pa. Apparatus for producing thermionic effects. 1,537,528; May 12.
Electro Dental Manufacturing Company. (See Russell, P., Schramm, and Woodward, assignors.)
Electro Oil Syndicate. (See Morris, William L., assignor.)
Elliott, Raymond D., Whittier, assignor of one-half to E. J. Young, Berkeley, Calif. Locating the level at which water enters a well. 1,537,919; May 12.
Ellison, William L., Giddings, Tex. Bearing scraper. 1,537,423; May 12.
Elms, William G., Oakland, Calif. Gravity concentrator. 1,537,424; May 12.
Elsworth, Thomas F., F. W. Wright, and P. Harker, assignors of one-fourth to George Mann and Company, Limited, Leeds, York, England. Delivery mechanism for printing machines. 1,537,594; May 12.
Elwell, George H., Cleveland, Ohio, assignor to Carr Fastener Company, Cambridge, Mass. Snap fastener. 1,537,810; May 12.
Emberg, Stone R., assignor to Walden-Worcester, Incorporated, Worcester, Mass. Tool handle. 1,537,529; May 12.
Enterprise Manufacturing Company, The. (See Pflueger, Charles T., assignor.)
Enterprise Railway Equipment Company. (See Zimmer, Albert E., assignor.)
Epling, Giles T., Welch, W. Va. Hand guard and deciduous-tooth erupters. 1,537,811; May 12.
Erickson, Peter, Chicago, Ill. Lifting apparatus. 1,537,757; May 12.
Erickson, Theodore, assignor to Holland Mfg. Co., Holland, Mich. Roller-bearing sleeve puller. 1,537,812; May 12.
Erisman, Adolph. (See Michels, F., and Erisman.)

Eshbom, Samuel, New York, N. Y. Advertising display. 1,537,813; May 12.
Essenson, John A., Milwaukee, Wis. Valve. 1,537,530; May 12.
Evans, Edward V., Parrish, London, and O. W. Weight, Bromley, England. Purification of ammonium sulphate. 1,537,815; May 12.
Evans, David W., Newmarket, Ontario, Canada. Poultry-nest trap. 1,537,814; May 12.
Everett, John P., Denver, Colo. Dirigible road lamp. 1,537,161; May 12.
Fancher, Earle C. (See Hall, Harold A., assignor.)
Farbenfabriken vorm. Friedr, Bayer and Co. (See Hahl, H., and Kropp, assignors.)
Farbwerke vorm. Meister Lucius & Bruning. (See Hoffa, E., and Heyna, assignors.)
Farley, Lawrence M., Washington, D. C. Mechanical drive for axle generators. 1,537,071; May 12.
Farwell, Fred, Cincinnati, Ohio. Dauber. 1,537,425; May 12.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Federal Pressed Steel Company. (See Tinker, Herbert W., assignor.)
Federle, Joseph C., assignor to Delco-Light Company, Dayton, Ohio. Engine. 1,537,595; May 12.
Felts, Charles F., assignor to S. L. Langdale, trustee, St. Louis, Mo. Motor-driven vehicle. Re16,067; May 12.
Fenno, George F. (See Paxson, O. H., jr., and Fenno.)
Fessler, Weaver F., Greenville, assignor to J. F. Taylor, New Castle, Pa. Liquid reserve valve. 1,537,426; May 12.
Fickett, George W., Chicago, Ill. Combined shaving brush and soap container. 1,537,816; May 12.
Fiedler, Sébastien O. A., assignor to l'Auxiliaire des Chemins de Fer et de l'Industrie, Paris, France. Feed-water heater. 1,537,072; May 12.
Figenbaum, Christopher, Harvey, Ill. Awning attachment for window screens. 1,537,817; May 12.
Fischer, Anthony, Indianapolis, Ind. Expansion corner for plaster. 1,537,758; May 12.
Fisher, John A., Sandusky, Ohio. Roundabout. 1,537,427; May 12.
Fisher, Mose, Plain, N. Mex. Combined folding table and luggage carrier. 1,537,428; May 12.
Fisk, Herbert B., New York, N. Y. Tie spool. 1,537,073; May 12.
Fleming, Joseph M., and W. H. Barnes, Manchester, England. Grinding mill. 1,537,759; May 12.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Automatic spoke-turning machine. 1,537,661; May 12.
Flick, Henry, assignor to Hayes Wheel Company, Jackson, Mich. Wheel-manufacturing machine. 1,537,662; May 12.
Floyd, Carol, Orlando, Fla. Fruit-polishing machine. 1,537,596; May 12.
Ford, Ben K., Oak Park, Ill., assignor to Western Electric Company, Incorporated, New York, N. Y. Apparatus for whipping cores with strand material. 1,537,074; May 12.
Forsaith, Charles H., Nashua, N. H., assignor to Saco-Lowell Shops, Boston, Mass. Spinning machine. 1,537,111; May 12.
Fowler, Charles, Beverly Farms, Mass. Freight car. 1,537,162; May 12.
Fox, William, Detroit, Mich. Producing decorative effects on glass. 1,537,663; May 12.
Frankenstein, Joseph W. (See Frankenstein, Maurice C. and J. W.)
Frankenstein, Maurice C. and J. W., Pittsburgh, Pa. Glove. 1,537,429; May 12.
Franklin Simon & Co. (See Davis, Taube, assignor.)
Frease, Hurxthal F. (See Dawson, G. H., and Frease.)
Freedlander, Abraham L., and W. G. Goodwin, assignors to The Rubber Development Company, Dayton, Ohio. Fan belt. 1,537,075; May 12.
Freiberg, George W., St. Louis, Mo. Producing acetone and butyl alcohol. 1,537,597; May 12.
French, Earl J., Escanaba, Mich. Auxiliary switch for the lighting systems of automobiles. 1,537,341; May 12.
French, Frederick W., Oakland, Calif. Demountable-rim fastener. 1,537,430; May 12.
Freuler, John R. (See Schlicker, Herman C., assignor.)
Frick, William, and F. Klima, Detroit, Mich. Rim tool. 1,537,342; May 12.
Fried. Krupp Aktiengesellschaft Germaniawerft. (See Becker, Heinrich, assignor.)
Fried. Krupp Aktiengesellschaft. (See Strauss, Benno, assignor.)
Friedman Bros. & Sons Neckwear Co. (See Friedman, Louis, assignor.)
Friedman, Harry, Tiffin, Ohio. Indicator. 1,537,295; May 12.
Friedman, Louis, assignor to Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Bow tie. 1,537,664; May 12.
Frink, I. P., Inc. (See Spencer, William H., assignor.)
Frue, Frederick H., Detroit, Mich. Piston. 1,537,665; May 12.
Galt, Dwight B. (See Tupper, Arthur W., assignor.)
Garfield, James L., Drexel Hill, Pa. Loose-leaf holder. 1,537,666; May 12.
Gargan, John O., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Cooling carrier-wave apparatus. 1,537,228; May 12.
Garrett, Peter J., Morgantown, W. Va. Adjustable window-shade bracket. 1,537,481; May 12.
Garrow, James G. (See Case, G. O., and Garrow.)
Gassett, William J., Waycross, Ga. Folding lunch box. 1,537,760; May 12.
Gearhart, Addison F., MacDunn, W. Va. Safety fuse. 1,537,296; May 12.
Gebr. Himmelsbach Aktiengesellschaft. (See Schubert, Oskar, assignor.)
Geer, William C., and H. Gray, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Producing ebonite sheet. 1,537,297; May 12.
Geisman, Joseph, New York, N. Y. Cap for rubber heels. 1,537,761; May 12.
General Electric Company. (See Alexanderson, Ernst F. W., assignor.)
General Electric Company. (See Anderson, Arvid E., assignor.)
General Electric Company. (See Basch, David, assignor.)
General Electric Company. (See Baumeister, Heinrich, assignor.)
General Electric Company. (See Bergman, Sven R., assignor.)
General Electric Company. (See Blume, Louis F., assignor.)
General Electric Company. (See Brooks, Alfred A., assignor.)
General Electric Company. (See Church, Frederick P., assignor.)
General Electric Company. (See Eby, Eugene D., assignor.)
General Electric Company. (See Klahre, Günther, assignor.)
General Electric Company. (See Hewlett, Clarence W., assignor.)
General Electric Company. (See Hilliard, John D., assignor.)
General Electric Company. (See Petersen, Waldemar, assignor.)
General Electric Company. (See Pfannkuch, Wilhelm, assignor.)
General Electric Company. (See Pratt, William H., assignor.)
General Electric Company. (See Prescott, A. C., and Plumer, assignors.)
General Electric Company. (See Specht, Woldemar, assignor.)
General Electric Company. (See Tingley, Egbert M., assignor.)
General Electric Company. (See Weinfield, Benjamin S., assignor.)
General Motors Corporation. (See Bowers, F. A., and De Waters, assignors.)
General Motors Corporation. (See Jack, Robert K., assignor.)
General Motors Research Corporation. (See Hutchinson, Roland V., assignor.)
Genese, David, Baltimore, Md. Attachment for knitting needles. 1,537,762; May 12.
Georgia Show Case Company, The. (See Litchfield, Frank E., assignor.)
Gerhards, Charles, Chicago, Ill. Wall table. Des. 67,276; May 12.
Gersman, Harvey M., assignor to Kalman Steel Co., Chicago, Ill. Metal form construction. 1,537,229; May 12.
Gessner, Lawrence A. (See Schmerts, L. R., and Gessner.)
Gianoli, Giacomo, Hartford, Conn. Animal trap. 1,537,763; May 12.
Gideon, John L., assignor of one-half to E. E. Kaech, Chicago, Ill. Automatic printing-press feeder. 1,537,432; May 12.
Giffen, Wallace M., Alameda, assignor of one-fourth to N. W. Thompson, one-fourth to B. B. Maynard, Oakland, and one-fourth to G. C. Noble, Berkeley, Calif. Faucet. 1,537,433; May 12.
Gifford, Luther, E. H. Schultz, and C. L. West; said Schultz assignor of his entire right to W. L. Sell, St. Cloud, Minn. Auto headlight. 1,537,343; May 12.
Gilchrist Company, The. (See Gilchrist, Raymond B., assignor.)
Gilchrist, Raymond B., assignor to The Gilchrist Company, Newark, N. J. Drink mixer. 1,537,076; May 12.
Giles, William B., Park Place, Tex. Saw for cutting paper rolls. 1,537,344; May 12.
Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,277; May 12.
Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,278; May 12.
Gittinger, John V. (See Callendar, C. E., and Gittinger.)
Giunta, Anthony P. and C. P., Philadelphia. Crusher. 1,537,168; May 12.
Giunta, Charles P. (See Giunta, Anthony P. and C. P.)
Glackin, Edward J., Chicago, Ill. Air cushion. 1,537,112; May 12.
Glackin, Edward J., Chicago, Ill. Pneumatic-tired vehicle. 1,537,113; May 12.

Gleason, Frederick H., Auburn, N. Y. Lubricating tension shackles of automobiles. 1,537,077; May 12.
Godbehere, John W., Hot Springs, Ark. Garment. 1,537,230. May 12.
Gold, Egbert H., and E. A. Russell, Chicago, Ill.; said Russell assignor to said Gold. Heating system. 1,537,298; May 12.
Golden, Asher, and E. M. Potter, New York, N. Y. Stamp affixer. 1,537,067; May 12.
Goldman, Harry B., assignor of one-half to Marshall Brothers Co., Pittsburgh, Pa. Elevator-controlling apparatus. 1,537,078; May 12.
Goldman, Harry B., assignor of one-half to Marshall Brothers Co., Pittsburgh, Pa. Elevator system. 1,537,079; May 12.
Goldman, Sigmund L., Chicago, Ill. Decanting apparatus. 1,537,598; May 12.
Gomory, William L., assignor to C. M. Leonard, Chicago, Ill. Cracking hydrocarbons. 1,537,164; May 12.
Good, Chester A., Groveton, Tex. Apparatus for raising sunken vessels. 1,537,764; May 12.
Goodrich, B. F., Company, The. (See Geer, W. C., and Gray, assignors.)
Goodwin, William G. (See Freedlander, A. L., and Goodwin.)
Gookin, Sylvester L., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for inserting fasteners. 1,537,345; May 12.
Goossen, Franz M., Hillsboro, Kans. Vehicle dumping body. 1,537,765; May 12.
Gorrell, William R., Alhambra, and H. Barkschat, Los Angeles, Calif. Railway-tie coupling. 1,537,346; May 12.
Gough, James J., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Support for automobile lamps. 1,537,435; May 12.
Gould, Edwin J., assignor to Consolidated Controls Corporation, Oakland, Calif. Auxiliary transmission gear. 1,537,434; May 12.
Gould, John M. (See Donner, Stephen, assignor.)
Gowans, James, Leonia, N. J., assignor to Sidney Blumenthal & Co., Inc., New York, N. Y. Pile fabric. Des. 67,279; May 12.
Graf, Raymond L., assignor to Keeler Brass Company, Grand Rapids, Mich. Latch. 1,537,436; May 12.
Graffinberger, Gust, assignor to Metallic Manufacturing Co., Portland, Oreg. Trimmer-saw mechanism. 1,537,437; May 12.
Grah, William, Waterville, Ohio. Signal means. 1,537,080; May 12.
Graham, Edward A., Brockley, London, England. Loud-speaking telephonic apparatus. 1,537,347; May 12.
Graham, Frank H., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiple plug. 1,537,081; May 12.
Graham Glass Company, The. (See Miller, Frank R., assignor.)
Gramm, Ray H. (See Wilson, G. D., and Gramm.)
Grant, Harry L., Tamaqua, Pa., assignor to Atlas Powder Company, Wilmington, Del. Electric detonator for use under high pressures. 1,537,668; May 12.
Graves, Eugene E., Lincoln, Nebr. Tire traction and nonskid chain lug. 1,537,231; May 12.
Gray, Ellsworth, Houston, Tex. Pipe puller. 1,537,165; May 12.
Gray, Harold. (See Geer, W. C., and Gray.)
Green & Green Company, The. (See Green, Weston, assignor.)
Green, Weston, assignor to The Green & Green Company, Dayton, Ohio. Box or similar article. Des. 67,326; May 12.
Greene, Charles H., West Blocton, Ala. Combination tool. 1,537,766; May 12.
Greene, Patrick M., Hartford, Conn., assignor to Royal Typewriter Company, Inc., New York, N. Y. Typewriting machine. 1,537,767; May 12.
Greene, Samuel P., assignor to The Standard Foundry Company, Dayton, Ohio. Jacket for sand molds. 1,537,299; May 12.
Greve, Edgar E., Bellevue, Pa. Make-up rotary. 1,537,438; May 12.
Griffith, Charles R., Portland, Oreg. Press roll for paper machines. 1,537,439; May 12.
Griffith, Charles R., New York, N. Y. Making candy shells. 1,537,669; May 12.
Griffith, Charles R., South Manchester, Conn. Apparatus for dewatering sludge. 1,537,818; May 12.
Grimm, Jesse, Dover, Ohio. Nut and bolt lock. 1,537,819; May 12.
Groehn, Otto J., assignor to Clayton and Lambert Manufacturing Company, Detroit, Mich. Flame-straightening torch burner. 1,537,599; May 12.
Groenewoud, Sieds L. (See Leemans, J. H., and Groenewoud.)
Grogan, Robert S., assignor of one-half to Chicago Granitine Manufacturing Company, and one-half to Charles Wesley Co., Chicago, Ill. Metallic rim for molded receptacles. 1,537,600; May 12.
Groh, Melvin S., Toronto, Ontario, Canada, assignor to J. Mercadante, New York, N. Y. Electric household refrigerator. 1,537,601; May 12.
Gronberg, Clarence O., assignor of one-third to A. M. Price, Elgin, Ill. Lead pencil. 1,537,768; May 12.
Grossmann, Hans, Zurich, Switzerland. Apparatus for the manufacture of ignition pellets having a combustible core and an ignition material which may be kindled on a friction surface. 1,537,348; May 12.
Grunow, Ernest E. (See Grunow, Herman W., assignor.)
Grunow, Herman W., assignor of one-half to E. E. Grunow, Saginaw, Mich. Woodworking machine. 1,537,820; May 12.
G'Sell, Julius F., Jerseyville, Ill., assignor to International Shoe Company, St. Louis, Mo. Making spring-heel shoe soles. 1,537,082; May 12.
Gundlach, Alwin, Chicago, Ill. Box. 1,537,821; May 12.
Gymnaitis, Nicolas, Santa Barbara, Calif. Flush-valve mechanism. 1,537,440; May 12.
Haase, Oswald, La Paz, Bolivia. Changeable-combination lock. 1,537,349; May 12.
Hacker, John A., Plainfield, Ill. Hulling machine. 1,537,602; May 12.
Hadley, Charles R., Company. (See Hadley, Charles R., assignor.)
Hadley, Charles R., deceased; F. D. Barnhill and Pacific-Southwest Trust & Savings Bank, executors, assignors to Charles R. Hadley Company, Los Angeles, Calif. Posting stand. 1,537,166; May 12.
Hadley, Charles R., deceased; F. D. Barnhill and Pacific-Southwest Trust & Savings Bank, executors, assignors to Charles R. Hadley Company, Los Angeles, Calif. Tray binder. 1,537,167; May 12.
Habl, Hans, and W. Kropp, Elberfeld, assignors to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical compound consisting of the magnesium-vanadium salt of triglycollamic acid. 1,537,441; May 12.
Haines, Edward P., Mount Airy, Pa., assignor to The Patent Appliance Company, New York, N. Y. Counterbalancing mechanism for sectional doors. 1,537,300; May 12.
Haislip, Albert S., Fredericksburg, Va. Piston tool. 1,537,769; May 12.
Hajdukovitch, Stephen, Richmond Hill, N. Y. Loud speaker. Des. 67,280; May 12.
Halbin, Lee C., Murphysboro, Ill. Safety device for elevators. 1,537,350; May 12.
Hale, Arthur B., Tampa, Fla., assignor, by mesne assignments, to F. J. Sévigné Machine Company, Nashua, N. H. Method and apparatus for marking graded citrous fruit. 1,537,603; May 12.
Hall, Harold A., Los Gatos, assignor of one-half to E. C. Fancher, San Jose, Calif. Internal-combustion engine. 1,537,351; May 12.
Hall, Theodore, assignor to The Sperry Gyroscope Company, Brooklyn, N. Y. Positioning mechanism for searchlights. 1,537,770; May 12.
Hammond, William P., East Orange, N. J. Tire meter and driving mechanism for such instruments and the like. 1,537,670; May 12.
Hampden Glazed Paper & Card Company. (See Chalmers, Allan M., assignor.)
Hannigan, James A., Kingston, Pa. Automatic weight-rope-releasing attachment for looms. 1,537,604; May 12.
Hanscom, Walter L. (See Cruse, A. J., Hanscom, and Beckerleg.)
Hansen, Arthur T., Minneapolis, Minn. Football game. 1,537,605; May 12.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Combined centralizer and retainer for rock-drill steels. 1,527,083; May 12.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Roller guide for channeling steels. 1,537,084; May 12.
Harker, Percy. (See Elsworth, T. F., Wright, and Harker.)
Harris, James W., Sellers, S. C. Pulverising harrow. 1,537,771; May 12.
Hartman Brake Corporation. (See Hartman, R. B., and Monson, assignors.)
Hartman Brake Corporation. (See Hartman, Richard B., assignor.)
Hartman, Emanuel W., Miami, Fla. Gas-extracting apparatus. 1,537,114; May 12.
Hartman, Eugene A. (See Hartman, Ferdinand Q. and E. A.)
Hartman, Ferdinand Q. and E. A., Danville, Pa. Thread-breaking device for spinning machines. 1,537,531; May 12.
Hartman, Ferdinand Q. and E. A., Danville, Pa. Thread-breaking device for spinning machines. 1,537,532; May 12.
Hartman, Richard B., Middletown, Ohio, assignor to Hartman Brake Corporation. Brake band and lining. 1,537,232; May 12.
Hartman, Richard B., Middletown, Ohio, assignor to Hartman Brake Corporation. Brake band and lining. 1,537,233; May 12.
Hartman, Richard B., Middletown, Ohio, and C. S. Monson, Detroit, Mich.; said Hartman assignor of his entire right to Hartman Brake Corporation. Brake and brake lining. 1,537,234; May 12.
Haslam, Samuel, Attleboro, Mass. Plate or similar article. Des. 67,281; May 12.

Hawthorne, Primm R., assignor to A. L. Levi, St. Louis, Mo. Tube-forming machine. 1,537,168; May 12.
Hay, Amasa P., Goshen, Ind. Power-transmission mechanism. 1,537,235; May 12.
Hayes, John, Belle Vernon, Pa. Baby carriage. 1,537,822; May 12.
Hayes Wheel Company. (See Flick, Henry, assignor.)
Hazel-Atlas Glass Company. (See Bromley, Raymond V., assignor.)
Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Multiple-unit door-control mechanism. 1,537,442; May 12.
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Check-link mechanism for weighing scales. 1,537,169; May 12.
Henderson, John R., Hamlet, N. C. Automobile battery indicator. 1,537,823; May 12.
Henkels, Alb. & E. (See Bottenberg, Julius, assignor.)
Herman, Clifton E., Columbus, Ohio. Axle stabilizer. 1,537,606; May 12.
Herrera, Nicolas M., Buenos Aires, Argentina. Spring wheel. 1,537,443; May 12.
Herzog, John S., Newark, Ohio. Apron conveyer. 1,537,444; May 12.
Hewlett, Clarence W., Iowa City, Iowa, assignor to General Electric Company. Energy-converting electrical instrument. 1,537,671; May 12.
Heyman, Henry B., assignor to The Simone Company, Inc., New York, N. Y. Headdress. Des. 67,282; May 12.
Heyna, Hans. (See Hoffa, E., and Heyna.)
Hibbs, Leonidas R., Wapato, Wash. Cucumber-picking apparatus. 1,537,824; May 12.
Hibner, Clara A. (See Hibner, Edward J., assignor.)
Hibner, Edward J., Hamilton, Ohio, assignor to C. A. Hibner, New York, N. Y. Child's vehicle. 1,537,672; May 12.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electrical apparatus. 1,537,352; May 12.
Hilliard, John D., Schenectady, N. Y., assignor to General Electric Company. Electric switch. 1,537,353; May 12.
Hillyard, Newton S., St. Joseph, Mo. Paper-roll holder. 1,537,673; May 12.
Hitzler, George, Hoboken, N. J. Receiver support for telephones. 1,537,772; May 12.
Hobbs, Robert F., Delanco, N. J., assignor to R. F. Hobbs, Inc. Wall paper. Des. 67,283; May 12.
Hobbs, Robert F., Inc. (See Hobbs, Robert F., assignor.)
Hodgson, Herman, and G. F. Reynolds, assignors to Cortland Line Co., Inc., Cortland, N. Y. Knock-off device for braiding machines. 1,537,445; May 12.
Hoeftman, Charles M., Newark, N. J., assignor to Westinghouse Electric & Manufacturing Company. Meter casing. 1,537,607; May 12.
Hoffa, Erwin, and H. Heyna, assignors to Farbwerke vorm. Meister Lucius & Bruning, Hochst-on-the-Main, Germany. Vat dyestuff containing sulphur and making same. 1,537,928; May 12.
Hoffman, John E., Chicago, Ill. Can opener. 1,537,608; May 12.
Hoffman, Joseph, Cleveland, Ohio. Shock absorber. 1,537,301; May 12.
Hofstetter, Adolph, Ridgefield Park, N. J. Necktie slip. 1,537,115; May 12.
Hogan, John V. L., New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Arc transmission system. 1,537,609; May 12.
Hoge, Smith A., Rices Landing, Pa. Vehicle wheel. 1,537,674; May 12.
Hojnowski, Jakob, Nekoosa, Wis. Railway spike. 1,537,302; May 12.
Holden, Hiram, Manchester, N. H. Garment-supporting bracket. 1,537,463; May 12.
Holland Mfg. Co. (See Erickson, Theodore, assignor.)
Holmquist, August, sr., Hoopeston, assignor to Sprague Canning Machinery Company, Chicago, Ill. Can-filling machine. 1,537,170; May 12.
Horn, Henry S., East Orange, N. J. Loose-leaf binder. 1,537,675; May 12.
Hover, Charles F., Conrad, Mont. Sickle bar. 1,537,354; May 12.
Howlett, Harry, Houston, Tex. Graphite lubricator for steam lines. 1,537,116; May 12.
Huber, Gustavus, Nashville, Tenn. Riveting device. 1,537,610; May 12.
Hummel, Oliver R., jr., Hot Springs, Ark. Ointment chiropractor. 1,537,464; May 12.
Hunt, George S., Chicago, Ill. Molds. 1,537,803; May 12.
Hunter, George, Westminster, London, England. Interrupter for magneto machines. 1,537,466; May 12.
Hurd, William R., 2d, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for treating articles of manufacture. 1,537,117; May 12.
Hutchinson, Ely C., Oakland, assignor to The Pelton Water Wheel Co., San Francisco, Calif. Louver-type baffle plate. 1,537,465; May 12.
Hutchinson, Roland V., assignor to General Motors Research Corporation, Dyaton, Ohio. Brake. 1,537,611; May 12.
Hutchinson, Spencer W., Oakland, Calif. Combination compass and chronometer. 1,537,355; May 12.
Hyle, Jacob A., Philadelphia, Pa., assignor to The Rail Anchor Company. Rail anchor for railway rails. 1,537,676; May 12.
Ingemarson, Franc, Tulsa, Okla. Fluid-pressure transmission and clutch. 1,537,085; May 12.
Ingersoll-Rand Company. (See Bancel, P. A., and Kirgan, assignors.)
Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Jimerson, Francis A., assignor.)
Ingle, Arthur G., Portland, Oreg. Folding toothbrush. 1,537,467; May 12.
Inland Empire Paper Co. (See Aucutt, Fred W., assignor.)
Inland Manufacturing Company, The. (See Nellis, Charles P., assignor.)
International Motor Company. (See Masury, A. F., and Leipert, assignors.)
International Shoe Company. (See G'Sell, Julius F., assignor.)
Ischenhouser, Gust, Clifford, Mass. Combined perch and trap. 1,537,086; May 12.
Jack, Robert K., Lansing, assignor to General Motors Corporation, Detroit, Mich. Instrument-attaching device for motor vehicles. 1,537,612; May 12.
Jackson, Corwill, Chicago, Ill. Tamper and like impact tool. 1,537,304; May 12.
Jackson, Walter D. (See Llorens, Louis M., assignor.)
Jackson, William R., Bala, assignor to Yarnall-Waring Company, Philadelphia, Pa. Retarded heater and meter connection. 1,537,677; May 12.
Jacobs, Winfred, Dodge City, Kans., assignor to Avery Company, Peoria, Ill. Thrasher. 1,537,305; May 12.
Jacobsen, Emil, Port Washington, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,537,306; May 12.
James, William. (See Meyer, S. M., and James.)
Jannell, William, West Park, assignor to The Domestic Electric Company, Cleveland, Ohio. Fiber-crimping machine. 1,537,533; May 12.
Jarvis, Clifford A., Rushville, Ind. Self-reeling hose reel. 1,537,637; May 12.
Jarvis, John J., Barnes, England. Apparatus for use in playing games of the roulette type. 1,537,236; May 12.
Jeans, William F., Santa Rosa, Calif. Egg turner. 1,537,307; May 12.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Two-way oscillating mirror. 1,537,087; May 12.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Device for detecting synchronism. 1,537,088; May 12.
Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
Jenner, Charles S., San Francisco, Calif. Fruit-preparing tool. 1,537,308; May 12.
Jennings, Chester S., Wellesley Farms, and C. R. Dumble, Arlington, assignors to The Lamson Company, Boston, Mass. Power control apparatus for pneumatic-dispatch systems. 1,537,920; May 12.
Jenny, Rudolph H., Rome, N. Y. Tension device for wrapping and twisting machines. 1,537,638; May 12.
Jensen, Carl C., Chicago, Ill. Fastening device. 1,537,678; May 12.
Jett, Thomas A., Greenville, Ill. Can-soldering machine. 1,537,825; May 12.
Jimerson, Francis A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Track wrench. 1,537,089; May 12.
Johanson, Charles O., assignor of one-half to H. F. Bryant, Tucson, Ariz. Flashing plug. 1,537,826; May 12.
Johnson, Charles E., Muskegon, assignor to The Piston Ring Company, Muskegon Heights, Mich. Piston-ring-applying machine. 1,537,773; May 12.
Johnson, John A., Woodhaven, N. Y. Sealing head. 1,537,468; May 12.
Johnson, John E., Washington, D. C. Strainer. 1,537,827; May 12.
Johnson, John M., Kansas City, Mo. Swivel coupling. 1,537,639; May 12.
Johnson, Lane, Ingram, and R. W. Moses, assignors to United Engineering and Foundry Company, Pittsburgh, Pa. Corrugating machine. 1,537,469; May 12.
Johnson, Sigfrid W., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,284; May 12.
Johnson, Sigfrid W., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,285; May 12.
Johnson, Thomas C., Quincy, Ill. Twine holder. 1,537,356; May 12.
Johnson, Tomlinson F., jr., Atlanta, Ga. Stick for handling high-voltage line conductors. 1,537,470; May 12.
Johnston, R. F., Paint Company, The. (See Sinclair, Charles S., assignor.)
Jones, Frank H., Cleveland, Ohio. Transmission gear. 1,537,828; May 12.
Jones, Ithmer M., assignor of one-half to S. Scudder, Taylorville, Ill. Valve-core seating and removing machine. 1,537,584; May 12.
Jones, Sanford C. (See Portteus, James G., assignor.)
Jones, Walter A. H. (See McCarthy, C. A., and Jones.)

Justice, Clyde N., Greensboro, N. C., assignor to Justice Manufacturing Company. Mop. 1,537,309; May 12.
Justice Manufacturing Company. (See Justice, Clyde N., assignor.)
Kaech, Edward E., (See Gideon, John L., assignor.)
Kaestner, John D., Minneapolis, Minn. Nozzle holder. 1,537,237; May 12.
Kalbach, Samuel E., assignor to Roeper Crane and Hoist Works, Reading, Pa. Limit switch for electric hoists. 1,537,774; May 12.
Kalman Steel Co. (See Gersman, Harvey M., assignor.)
Kandle, Furman M., Atlantic City, N. J. Tourist's flexible refrigerator. 1,537,829; May 12.
Karpinsky, Stephan, Sevres, and J. S. Anderson, St.-Quen, France. Installation for separation of liquids. 1,537,471; May 12.
Karsten, Karl G., New York, N. Y. Information-dispensing set. 1,537,640; May 12.
Kaye, Harold J., New York, N. Y. Phonograph. 1,537,171; May 12.
Keeler Brass Company. (See Graf, Raymond, assignor.)
Kelley, Isaac J., and H. W. Smith, assignors to Automatic Rearing Machine Co., San Jose, Calif. Internal-combustion engine. 1,537,775; May 12.
Kemper, Joseph, Greer, Idaho. Saw-setting device. 1,537,357; May 12.
Kent, Charlotte E., Osgood, Mo. Cloth-folding device. 1,537,118; May 12.
Keplinger, Martha Q., San Francisco, Calif. Travel robe and making same. 1,537,119; May 12.
Kidder, William E. (See Willson, William P., asignor.)
Killman, Thomas A. and C. S. Nicks, Nashville, Tenn. Gasoline-dispensing apparatus. 1,537,679; May 12.
Kimber, Earl, and E. Lloyd, Wray, Colo. Weeder and cultivator. 1,537,310; May 12.
King, Terence J., assignor of one-half to C. S. Ordway, Toledo, Ohio. Signal device. 1,537,311; May 12.
Kinnie, David A. (See Cox, D. R., and Kinnie.)
Kiral, Luke, New York, N. Y. Automatic fire-shutter mechanism. 1,537,830; May 12.
Kirby, Omer, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone-exchange system. Re16,070; May 12.
Kirgan, John F. (See Bancel, P. A., and Kirgan.)
Kiahre, Günther, Berlin, Germany, assignor to General Electric Company. Incandescent-arc device. 1,537,680; May 12.
Klein, George J., Cleveland, Ohio. Ceiling Lamp. Des. 67,286; May 12.
Klein, George J., Cleveland, Ohio. Ceiling lamp. Des. 67,287; May 12.
Kleinschmidt Electric Company. (See Walbran, Christopher J., assignor.)
Klima, Frank. (See Frick, W., and Klima.)
Knight, Charles Y., Chicago, Ill., assignor to Edmunds & Jones Corporation, Detroit, Mich. Electric switch. 1,537,472; May 12.
Koenig, Ewald A., San Francisco, Calif. Lighting fixture. 1,537,831; May 12.
Kopp, Nicholas, assignor to Pittsburgh Lamp, Brass & Glass Company, Pittsburgh, Pa. Illuminating globe. Des. 67,288; May 12.
Kops, Waldemar, New York, N. Y., assignor, by mesne assignments, to Nemo Circlet Company, Inc. Brassière. 1,537,681; May 12.
Korona, Antoni, Newmarket, N. H. Musical top. 1,537,312; May 12.
Kottke, Rudolph A., Detroit, Mich. Holder for pans and covers. 1,537,172; May 12.
Koudelka, John G., Antigo, Wis. Chimney cleaner. 1,537,313; May 12.
Kraft, Eugene, Spokane, Wash. Vaporizer. 1,537,238; May 12.
Kraus, Frederick W., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling by high-frequency waves. 1,537,535; May 12.
Kraus, Charles E., assignor to F. W. Kraus, Louisville, Ky. Automobile bumper and attaching means. 1,537,473; May 12.
Kraus, Fred W. (See Kraus, Charles E., assignor.)
Krause, Georg, Berlin, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraphic receiving system. 1,537,682; May 12.
Kriesel, Paul, Conover, Wis. Rail-holding device. 1,537,474; May 12.
Kristofek, Frank J., assignor to Brown & Bigelow, St. Paul, Minn. Handy pad. 1,537,641; May 12.
Kropp, Walter. (See Hahl, H., and Kropp.)
Kudler, Adolph, Los Angeles, Calif. Roundabout. 1,537,475; May 12.
Kulage, Dominick, et al. (See Wallace, Orien P., assignor.)
La Chapelle, Euclid I., Brockton, Mass. Lasting boots and shoes. 1,537,120; May 12.
La Chapelle, Euclid I., Brockton, Mass. Machine for relasting shoes. 1,537,683; May 12.
La Chapelle, Euclid I., Brockton, Mass. Shoe-sole mold. 1,537,684; May 12.
Ladd, Walter P., Montreal, Quebec, Canada. Stencil marker. 1,537,685; May 12.
Ladewich, Edward G., assignor to McBee-Ladewich Company, Mansfield, Ohio. Monument. Des. 67,289; May 12.
Laffey, William J., Chicago, Ill. Combination pneumatic brake and propelling mechanism. 1,537,642; May 12.
Lafitte, Theodore, Paris, France. Cinematic actuating device for valve gears and the like. 1,537,832; May 12.
Lally, John, Boston, Mass. Building column. 1,537,833; May 12.
Lally, John, Boston, Mass. Beam hanger. 1,537,834; May 12.
Lally, John, Great Neck, N. Y. Building column. 1,537,835; May 12.
La Londe, John H., Jacksonville, Fla. Gauge cock. 1,537,239; May 12.
La Mott, Della V., Oakland, and C. J. Doggett, San Francisco, Calif. Ink heater for printing presses. 1,537,476; May 12.
Lamson Company, The. (See Jennings, C. S., and Dumble, assignors.)
Lamson Company, The. (See Whittier, F. G., and Thayer, assignors.)
Landsiedel, Harry, assignor to Dalton Adding Machine Company, Cincinnati, Ohio. Key-control mechanism for adding machines. 1,537,314; May 12.
Lane, Charles H., et al. (See Smith, Richard H., assignor.)
Lane, Homer L., et al. (See Smith, Richard H., assignor.)
Lang, Carl J., Olean, N. Y. Moving-picture shutter. 1,537,315; May 12.
Langdale, Stonay L., trustee. (See Felts, Charles F., assignor.)
Lange, William. (See Yentis, L., and Lange.)
Langworthy, Martin F., Detroit, Mich. Sprayer. 1,537,776; May 12.
Lansing, Louis P., assignor of one-half to H. N. Otto, San Francisco, Calif. Fluid-actuating mechanism for brakes. 1,537,316; May 12.
Lartigue, Louis, S., Charleston, W. Va. Surface-treating tool. 1,537,358; May 12.
Lauren, John W., Sterling, assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill. Furnace. 1,537,121; May 12.
Lauter, Sigmund M., Brooklyn, N. Y. Switch-point assembly. 1,537,836; May 12.
Lauterbur, Frank X., Sidney, Ohio. Dough-molding machine. 1,537,613; May 12.
Lauterbur, Frank X., Sidney, Ohio. Dough-molding machine. 1,537,614; May 12.
L'Auxiliaire des Chemins de Fer et de l'Industrie. (See Fiedler, Sébastien O. A., assignor.)
Laws, H. L., et al. (See Player, Osteen J., assignor.)
Lee, Harvey W. (See Soyster, H. B., and Lee.)
Lee, Henry J., Coventry, assignor to L. Britton, London County, England. Box spanner. 1,537,929; May 12.
Lee, Peron W. (See Austin, Leslie W., assignor.)
Leeds & Northrup Company. (See Wunsch, Felix, assignor.)
Leemans, Josef H., and S. L. Groenewoud, Edam, Saskatchewan, Canada. Adjustable horse collar. 1,537,122; May 12.
Lees, Arthur W., and J. J. Sokol, Racine, Wis. Resilient tire. 1,537,536; May 12.
Lees, Asa, and Company Limited. (See Dunkerley, Luke, assignor.)
Lehr, Edwin E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,537,643; May 12.
Leipert, August H. (See Masury, A. F., and Leipert.)
Lennon, Joseph F., Painesville, Ohio. Valve-operating mechanism. 1,537,837; May 12.
Leonard, Clifford M. (See Gomory, William L., assignor.)
Leopold, Frederick B., Pittsburgh, Pa. Dry-feed machine. 1,537,123; May 12.
Leuck, Hubert F., Pilger, Nebr. Cushioning device for cutter bars. 1,537,838; May 12.
Levesque, Pierre, Chicago, Ill. Brake and clutch control for motor vehicles. 1,537,477; May 12.
Levi, Abraham L. (See Hawthorne, Primm R., assignor.)
Levin, John H., jr., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone switchboard. 1,537,317; May 12.
Lewis, Harry A., Norristown, assignor of one-half to A. D. Wood, Philadelphia, Pa. Mill screw-down. 1,537,240; May 12.
Lewis, Joseph C., Farmington, N. Mex. Well-casing puller. 1,537,359; May 12.
Lichte, Hugo, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Sound receiver, particularly for receiving sound waves in liquids. 1,537,930; May 12.
Liebreich, Oscar P. (See Eadie, J. M., and Liebreich.)
Liebscher, Leo H., Milwaukee, Wis. Edge trimmer for lawns. 1,537,537; May 12.
Liedorff, James W., Callao, Mo. Attachment for tractors. 1,537,241; May 12.
Liedtke, Gertrude, assignor of one-half to J. Lippmann, New York, N. Y., and one-half to D. Lippmann, Atlantic City, N. J. Self-luminous decorative material and process for the manufacture of same. 1,537,777; May 12.
Linger, Esther L., Washington, D. C. Doll. Des. 67,290; May 12.
Lipke, Gustav, East Pittsburgh, Pa. Nut lock. 1,537,478; May 12.

Lippmann, David, et al. (See Liedtke, Gertrude, assignor.)
Lippmann, Julius, et al. (See Liedtke, Gertrude, assignor.)
Lippe, Morris, New York, N. Y. Bed spring. 1,537,173; May 12.
Lipstreuer, Herman, Cleveland, Ohio. Window-frame construction. 1,537,318; May 12.
Lisenby Manufacturing Company. (See Low, Charles L., assignor.)
Liskow, Sigmund, Cincinnati, Ohio. Hanger basket and bracket. 1,537,174; May 12.
Litchfield, Frank E., assignor to The Georgia Show Case Company, Montgomery, Ala. Pilaster. Des. 67,291; May 12.
Llorens, Louis M., assignor of one-half to W. D. Jackson, Los Angeles, Calif. Type-bar cushion for typewriters. 1,537,480; May 12.
Lloyd, Edgar. (See Kimber, E., and Lloyd.)
Lober, George H., Toledo, Ohio. Windshield-wiper-operating mechanism. 1,537,538; May 12.
Locomotive Feed Water Heater Company. (See Averill, Earl A., assignor.)
Lodge & Shipley Machine Tool Company, The. (See Cockburn, Francis B., assignor.)
Lohmann, Hugo, Berlin-Johannisthal, Germany. Manufacture of metal blanks. 1,537,839; May 12.
Lord, Richard C., Gambier, Ohio. Making magnesium chloride. 1,537,479; May 12.
Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid turbine. 1,537,175; May 12.
Lösel, Franz, Brunn, Czechoslovakia. Turbine construction. 1,537,176; May 12.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Printing-ribbon-winding mechanism for printing presses. 1,537,644; May 12.
Low, Charles L., assignor to Lisenby Manufacturing Company, Fresno, Calif. Paper ejector for printing presses. 1,537,645; May 12.
Lowry, Charles J. (See Butler, O., Morin, and Lowry.)
Lubman, Simon J., Bronx, N. Y. Amusement apparatus. 1,537,840; May 12.
Lucas, Francis F., East Orange, N. J. Photomicrographic camera. 1,537,539; May 12.
Lücker, Hans. (See Meyer, J. F., and Lücker.)
Luge, Werner, Brooklyn, N. Y. Land, mud, and water motor car. 1,537,319; May 12.
Luhr & Friedl. (See Luhr, Otto, assignor.)
Luhr, Otto, assignor to Luhr & Friedl, Chicago, Ill. Manufacturing ice. 1,537,648; May 12.
Lukins, Fred J., Huntington Park, Calif. Drying rack. 1,537,242; May 12.
Lundberg, Hans T. F., L. Villastad, and H. J. H. Nathorst, assignors to Aktiebolaget Elektrisk Malmletning, Stockholm, Sweden. Ore detector. 1,537,360; May 12.
Luns, George A., Buffalo, N. Y. Attachment for vehicles. 1,537,243; May 12.
Luts, George A., Cranford, N. J., assignor to American Circular Loom Company, Pittsburgh, Pa. Welding tube. 1,537,177; May 12.
Lynn, Ambrose E., Denver, Colo. Amusement device. 1,537,686; May 12.
Lytton Incorporated. (See Lytton, Walter, assignor.)
Lytton, Walter, assignor, to Lytton Incorporated, Chicago, Ill. Radio receiving device. 1,537,124; May 12.
Macbeth, Albert C., Seattle, Wash. Heating apparatus. 1,537,847; May 12.
Macdonald, David R., Leicester, England. Toe puff, stiffener, insole, and like parts for boots and shoes. 1,537,848; May 12.
MacFarren, Walter W., Pittsburgh, Pa. Internal-combustion engine. Re16,069; May 12.
MacLellan, William J., Long Beach, Calif. Steering stabilizer. 1,537,362; May 12.
Madden, Edward J., Detroit, Mich. Equalizing means. 1,537,246; May 12.
Madole, Will J., Atlanta, Ga. Attachment for phonographs. 1,537,849; May 12.
Magoon, Marins I., Hammond, Ind. Lawn mower. 1,537,850; May 12.
Malley, Roy D., East Orange, assignor to Cooper Hewitt Electric Company, Hoboken, N. J. Mercury switch. 1,537,921; May 12.
Malmgault, William P., Tacoma, Wash. Ammonia compressor. 1,537,851; May 12.
Mallory Hat Company. (See Reynolds, Ralph K., assignor.)
Malloy, Anthony, Cleveland, Ohio. Combined tire holder and tool box. 1,537,247; May 12.
Maloney, Thomas J., Denver, Colo. Internal-combustion engine. 1,537,248; May 12.
Mandry, Arthur J., New Orleans, La. Fender brace. 1,537,852; May 12.
Manley, Robert E., York, Pa. Towing pole. 1,537,249; May 12.
Mann, George, and Company. (See Elsworth, T. F., Wright, and Harker, assignors.)
Mann, Jessie F., Long Lake, N. Y. Appliance for musical instruction. 1,537,125; May 12.
Manning, William T. (See Rigsby, J. P., and Manning.)
Manos, John, Toronto, Ohio. Glass serving dish. Des. 67,292; May 12.
Mantle Lamp Company of America, The. (See Simonson, W. W., and Blair, assignors.)
Marinsky, Davis, New York, N. Y. Hook and eye tape. 1,537,250; May 12.
Marsh, Charles W., Muskegon, Mich. Golf club. 1,537,320; May 12.
Marshall Brothers Company. (See Goldman, Harry B., assignor.)
Martin, Henry H., Louisville, Ky. Figure toy. 1,537,363; May 12.
Martin-Parry Corporation. (See McGlashan, J., and Swenson, assignors.)
Martin, William H., New York, N. Y., assignor to American Telephone and Telegraph Company. Loud-speaker circuit. 1,537,126; May 12.
Martini, Marco, Oakmont, Pa. Calendar clock. 1,537,482; May 12.
Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft. (See Mayer, Rudolf, assignor.)
Maschinenfabrik "Rheinland" A.-G. (See Brühl, Paul, assignor.)
Mason, Harry E., Covington, Ky. Speed signal. 1,537,364; May 12.
Mason, Saul, Detroit, Mich. Tooth-cleaning device. 1,537,853; May 12.
Masury, Alfred F., New York, and A. H. Leipert, College Point, assignors to International Motor Company, New York, N. Y. Housing for rubber-block connections. 1,537,127; May 12.
Mather, Alonzo, Fairlight, Saskatchewan, Canada. Tongue attachment. 1,537,542; May 12.
Mayer, Arthur C., Indianapolis, Ind., assignor to American Can Company, New York, N. Y. Gasket-lining apparatus. 1,537,251; May 12.
Mayer, Leon, Chicago, Ill. Monogram panel. 1,537,321; May 12.
Mayer, Oscar G., Chicago, Ill. Scalding-tank conveyer. 1,537,543; May 12.
Mayer, Rudolf, Goldschmieden Kreis, Breslau, assignor to the Firm of Maschinenfabrik Augsburg-Nuernburg, Aktiengesellschaft, Augsburg, Germany. Starting internal-combustion engines. 1,537,128; May 12.
Maynard, Blachard B. (See Giffen, Wallace M., assignor.)
Maynard, John E., assignor to The Draper-Maynard Company, Plymouth, N. H. Helmet. 1,537,178; May 12.
Maywald, Frederick J., Nutley, N. J. Rubber composition. 1,537,483; May 12.
Maxwell, George M., Roanoke, Va. Attachment for head mirrors. 1,537,922; May 12.
McAllister, Robert D. (See Peck, D. W., and McAllister.)
McArthur, G. T., et al. (See Player, Osteen J., assignor.)
McBee Binder Company, The. (See Welk, N. S., and Roe, assignors.)
McBee-Ladewich Company. (See Ladewich, Edward G., assignor.)
McCaghren, Hugh, Ottawa, Ontario, Canada. Ticket holder. 1,537,244; May 12.
McCallister, Milo M. (See Seley, C. A., and McCallister.)
McCalmont, Albertus W., and F. Brisco, Pontiac, Mich.; said McCalmont assignor to said Biscoe. Timer. 1,537,647; May 12.
McCarroll, Walker W., New Haven, Conn. Electrotyper's case. 1,537,540; May 12.
McCarron, Cyrus D., Los Angeles, Calif. Game apparatus. 1,537,648; May 12.
McCarter, John W., Wedowee, Ala. Reversible plow. 1,537,841; May 12.
McCarty, Charles A., and W. A. H. Jones, Plymouth, Mass.; said Jones assignor to said McCarty. Water-heating system. 1,537,842; May 12.
McCarty, Frank L., and A. R. Andersen, Rock Springs, Wyo. Automatic safety brake. 1,537,541; May 12.
McConnell, Edmond C., Richmond, Calif. Food holder for bird cages. 1,537,615; May 12.
McCutcheon, James D., Pittsburgh, Pa. Cutting and welding torch. 1,537,481; May 12.
McDermitt, James J., and S. W. Probst, Denovo, Pa. Direction indicator. 1,537,843; May 12.
McDonald, William E., Sperry, Okla. Oil-well rig. 1,537,844; May 12.
McElwee, William T., Crestline, Ohio. Adjustable waterproof legging. 1,537,845; May 12.
McGlamery, William A., Asheville, N. C. Heater. 1,537,361; May 12.
McGlashan, James, York, Pa., and C. R. Swenson, Indianapolis, Ind., assignors to Martin-Parry Corporation, York, Pa. Hinge. 1,537,649; May 12.
McKee, Parker H., Woodbury, N. J., assignor to Berger Bros. Company, Philadelphia, Pa. Conductor-pipe strap end. Des. 67,293; May 12.
McKenzie, Allen, Chicago, Ill. Viscera-inspection table. 1,537,846; May 12.
McMinch, William T., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Railway crossing with center supports. 1,537,245; May 12.
Meaker, John W., Chicago, Ill., assignor to American Steel & Wire Company, Cleveland, Ohio. Wire-attaching clip. 1,537,129; May 12.
Meehan, Florence B., Highland Park, assignor to H. H. Meehan, Chicago, Ill. Dancing doll. 1,537,484; May 12.
Meehan, Hugh H. (See Meehan, Florence B.).

Mellen, Grenville, Cranford, N. J. Internal-combustion engine. 1,537,616; May 12.
Mercadante, Joseph. (See Groh, Melvin S., assignor.)
Merrell-Soule Company. (See Beardslee, Arthur C., assignor.)
Metal Specialties Manufacturing Company. (See Berg, John, assignor.)
Metallic Manufacturing Co. (See Gramlnberger, Gust, assignor.)
Mevorah, Joseph. (See Ornstein, I., and Mevorah.)
Meyer, Edward W., St. Louis, Mo. Signaling device for motor vehicles. 1,537,544; May 12.
Meyer, Harry R. (See Simmon, K. A., and Meyer.)
Meyer, Johannes F., and H. Lücker, Berlin, Germany. Producing nearly nonalcoholic liquors. 1,537,252; May 12.
Meyer, Svend M., and W. James, Brooklyn, N. Y. Arc-light-control device. 1,537,854; May 12.
Michels, Frederick, and A. Erisman, New York, N. Y. Crystal detector. 1,537,856; May 12.
Michie, James C. Newport News, Va. Washboard. 1,537,855; May 12.
Midgley, Albert H., Uxbridge, assignor to Midgley Car Lighting Company, Limited, London, England. Junction box for electrical connections. 1,537,485; May 12.
Midgley Car Lighting Company. (See Midgley, Albert H., assignor.)
Miller Company, The. (See Wolter, Herman H., assignor.)
Miller, Edward, Columbus, Ohio. Parison mold. 1,537,857; May 12.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,294; May 12.
Miller, George F., Brooklyn, assignor to American Can Company, New York, N. Y. Container (dental floss). 1,537,253; May 12.
Miller Rubber Company, The. (See Morton, Harold A., assignor.)
Miller, Thomas W., Ashland, Ohio. Vulcanising rubber and the like. 1,537,858; May 12.
Miller, Thomas W., Ashland, Ohio. Vulcanizing rubber and the like. 1,537,859; May 12.
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Apparatus for making hollow rubber articles such as nipples, finger cots, bulbs, and the like. 1,537,860; May 12.
Miller, William F., Miami, Fla. Testing machine for speedometers. 1,537,486; May 12.
Mills, Asbery T., Richland, Iowa. Radiator cap. 1,537,254; May 12.
Mills, Bertram M., Pawtucket, R. I. Humidifier. 1,537,650; May 12.
Mills, John, Wyoming, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-current system. 1,537,255; May 12.
Mitchell, Lewis S., Seattle, Wash. Pocketbook clasp. 1,537,256; May 12.
Misner, Stanley S., Sturgis, Mich. Applicator. 1,537,257; May 12.
Modisett, John N., Hermosa Beach, Calif. Deep-well pumping apparatus. 1,537,487; May 12.
Moffett, James P., Hartford City, Ind. Golf-ball marker. 1,537,861; May 12.
Mohr, Ernest, and F. R. V. Timbury, Roma, Queensland, Australia. Means for securing antislipping attachments to vehicle wheels. 1,537,862; May 12.
Möller, Jacob A. L., New York, N. Y., assignor to Standard Products Corporation. Machine for testing ribbons and carbon paper. 1,537,179; May 12.
Monarch Metal Products Company et al. (See Wallace, Orien P., assignor.)
Monson, Charles S. (See Hartman, R. B., and Monson.)
Morey, Harry J., and D. N. Thompson, Syracuse, assignors to Pass & Seymour, Inc., Solvay, N. Y. Electric receptacle. 1,537,863; May 12.
Morgan, Donald C., assignor to American Sanitary Lock Corporation, Indianapolis, Ind. Coin-controlled lock. 1,537,651; May 12.
Morin, Amos. (See Butler, O., Morin, and Lowry.)
Morin, Henry L., Springfield, Mass. Safety feed and automatic stop for wringers. 1,537,864; May 12.
Morris, William L., Chicago, Ill., assignor to ElectrOil Syndicate. Oil and air pumping system. 1,537,687; May 12.
Morrison, James, Brass Manufacturing Company Limited, The. (See Deverall, Charles, assignor.)
Morton, Harold A., assignor to The Miller Rubber Company, Akron, Ohio. Making patches for rubber goods 1,537,865; May 12.
Morton, Harold A., assignor to The Miller Rubber Company, Akron, Ohio. Manufacture of Sheet Rubber 1,537,866; May 12.
Morton, Rupert R., Finlow, W. Va. Cable guide. 1,537,545; May 12.
Moses, Richard W. (See Johnson, L., and Moses.)
Moesbacher, Solomon, New York, N. Y. Tie press 1,537,867; May 12.
Mulkin, Morris H., Syracuse, N. Y. Manure-loading machine. 1,537,652; May 12.
Müller, Hermann, Siegen, Germany. Mechanism for the automatic regulation of the braking force of compressed-air brakes. 1,537,365; May 12.
Müller, Max, assignor to the Firm: Böttcher & Müller, Leipsig, Germany. Combined ruling and head-printing machine. 1,537,180; May 12.
Murphy, Paul B., Nyack, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,537,653; May 12.
Murray, Hugh D., Glasgow, Scotland. Window fitting. 1,537,869; May 12.
Mrós, Josef, Vienna, Austria. Apparatus for taking the color-component negatives for multicolor photography. 1,537,868; May 12.
N. V. Machina Maatschappij voor Handel en Industrie (See Ries, Willy, assignor.)
Naamloose Vennootschap Nederlandsche Onderdeelen Corporatie. (See Burgers, Johannes A., assignor.)
Namiot, Charles B., New York, N. Y. Garter. Des. 67,295; May 12.
Napier, Frank L., St. Joseph, and N. W. Napier, Benton Harbor, Mich. Distributing truck. 1,537,181; May 12.
Napier, Nelson W. (See Napier, Frank L. and N. W.)
Nash, Charles A., Chicago, Ill. Projecting apparatus. 1,537,654; May 12.
Nash, Edward L., St. Louis, Mo. Tire shield. 1,537,366; May 12.
Nash, Fred M., Trinidad, Colo. Operating mechanism for dirigible-headlight construction. 1,537,488; May 12.
Naslin, John O., Seattle, Wash. Door closer. 1,537,367; May 12.
Nathorst, Harry J. H. (See Lundberg, H. T. F., and Nathorst.)
National Blank Book Company. (See Schade, John, assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Gauge & Equipment Company. (See Padesky, John R., assignor.)
National Malleable and Steel Castings Company. (See Bazeley, A. J., and Willison, assignors.)
Negbaur, Harry, New York, N. Y., assignor to E. & J. Bass, Inc. Saltcellar or similar article. Des. 67,296; May 12.
Nellis, Charles P., assignor to The Inland Manufacturing Company, Dayton, Ohio. Steering wheel. 1,537,258; May 12.
Nemo Circlet Company. (See Kops, Waldemar, assignor.)
Neptune Meter Company. (See Shenton, Harry E., assignor.)
Ner-A-Car Corporation. (See Neracher, Carl A., assignor.)
Neracher, Carl A., Syracuse, N. Y., assignor, by mesne assignments, to Ner-A-Car Corporation. Motor cycle. Des. 67,297; May 12.
Nester, John R., Boyertown, Pa. Casket top and panel fastener. 1,537,870; May 12.
Neubert, Richard L., Knoxville, Tenn. Bearing box. 1,537,368; May 12.
Newman, Martha J., et al. (See Rains, Beulah L., assignor.)
Newman, William A., Montreal, Quebec, Canada. Transmission gear. 1,537,871; May 12.
Niagara Searchlight Company, Inc. (See Eaton, Richard M., assignor.)
Nicholson, Gustav, Itacuburi del Rosario, Paraguay. Firearm. 1,537,369; May 12.
Nicholson, Harry L., Wilmerding, Pa. Lapping machine. 1,537,182; May 12.
Nicks, Charley S. (See Killman, T. A., and Nicks.)
Nielsen, Einar W., Newark, N. J. Radiotelephone receiver. 1,537,322; May 12.
Nixon, Earl, Bolivar, Pa. Power-operated sewing mechanism. 1,537,130; May 12.
Noble, George C., et al. (See Giffen, Wallace M., assignor.)
Nobs, Charles, & Son. (See Nobs, Charles, jr., assignor.)
Nobs, Charles, jr., assignor to Charles Nobs & Son, Newark, N. J. Optical washer and screw. 1,537,489; May 12.
North American Lace Company. (See Daudy, Marc H., assignor.)
Norton, Charles H., Plainville, Conn., assignor to Norton Company, Worcester, Mass. Headstock-driving mechanism. 1,537,923; May 12.
Norton Company. (See Norton, Charles H., assignor.)
Notz, Felix, and G. Royan, assignors to American Oven & Machine Company, Chicago, Ill. Dough-mixing machine. 1,537,259; May 12.
Novin, Joseph, assignor to The Centre Lighting Fixture Mfg. Co., New York, N. Y. Chandelier. Des. 67,298; May 12.
Novocretes Limited. (See Case, G. O., and Garrow, assignors.)
Nuhring, Charles, Cincinnati, Ohio. Spanner for hose couplings. 1,537,872; May 12.
Nyhagen, Barney R., New York, N. Y. Rubber overshoe. 1,537,778; May 12.
O'Brien, Patrick J., Bay Bulls, Newfoundland. Window-sash lock. 1,537,779; May 12.
Oefinger, John L., Los Angeles, Calif. Attaching bracket for lighting fixtures. 1,537,780; May 12.

Oestreicher, Henry G., Chicago, Ill. Lubricant-holder attachment for engines. 1,537,131; May 12.
O'Hara, Joseph S., Romney, W. Va. Agriculture machine. 1,537,183; May 12.
Ohnesorge, Wilhelm, Dortmund, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Reciprocal telephone repeater. 1,537,781; May 12.
Olson, Frederick B., Berlin, N. H. Speed control for motor-driven systems. 1,537,132; May 12.
Olson, Gustave, Chicago, Ill. Salt and pepper box. 1,537,782; May 12.
Olson, John H., Red Wing, Minn. Hair-bobbing gauge. 1,537,783; May 12.
Olson Rug Company. (See Olson, W. E., and Prussing, assignors.)
Olson, Walter E., and A. W. Prussing, assignors to Olson Rug Company, Chicago, Ill. Advertising device. 1,537,688; May 12.
Oman, Theodore J., Elmhurst, assignor to P. J. Durham Company, Inc., New York, N. Y. Testing device for armatures and the like. 1,537,490; May 12.
Ordway, Clarence S. (See King, Terence J., assignor.)
Ornstein, Irving, and J. Mevorah, New York, N. Y. Charm. Des. 67,299; May 12.
Ornstein, Irving, and J. Mevorah, New York, N. Y. Ring. Des. 67,300; May 12.
Osborn, Alden E., New York, N. Y. Internal-combustion engine. 1,537,546; May 12.
Otto, Harold N. (See Lansing, Louis P., assignor.)
Överaasen, Hans J., Gjovik, Norway. Tilting mechanism for motor trucks. 1,537,784; May 12.
Pacific Southwest Trust & Savings Bank, et al., executors. (See Hadley, Charles R.)
Padesky, John R., assignor to National Gauge & Equipment Company, La Crosse, Wis. Pressure gauge. 1,537,184; May 12.
Page, Wilson K., Olean, N. Y. Trolley guard. 1,537,133; May 12.
Palmer, Charles M., Abingdon, Va. Traction wheel. 1,537,491; May 12.
Palmer, James, Philadelphia, Pa. Bass-key mechanism for accordions. 1,537,185; May 12.
Panther, Ferdinand C., Detroit, Mich. Milk-bottle holder. 1,537,617; May 12.
Parker, Luke E., Pe Ell, Wash. Swivel connection. 1,537,785; May 12.
Parmenter, Ray E., Longmeadow, Mass. Safety equipment for automobiles. 1,537,873; May 12.
Parrish, John E., Richmond, Va. Universal anchoring tie. 1,537,186; May 12.
Parrish, Percy. (See Evans, E. V., Parrish, and Weight.)
Partlow, Howard W., Utica, N. Y. Gas-heater governor. 1,537,134; May 12.
Pass & Seymour, Inc. (See Morey, H. J., and Thompson, assignors.)
Patent Appliance Company, The. (See Haines, Edward P., assignor.)
Patrick, Walter A., assignor to The Silica Gel Corporation, Baltimore, Md. Treating liquids to remove or recover substances therefrom. 1,537,260; May 12.
Pavillard, Sam, Decatur, Tex. Train-actuated signal for road and street crossings. 1,537,187; May 12.
Paxson, Oliver H., jr., Philadelphia, and G. F. Fenno, Upper Darby, Pa. Fluid-level-feed control. 1,537,492; May 12.
Peale, Rembrandt. (See Davis, Kenneth, assignor.)
Pearson, Frank M., Manchester-in-the-Mountains, Vt. Watch holder. Des. 67,301; May 12.
Peck, Donald W., and R. D. McAllister, Vancouver, British Columbia, Canada. Lever. 1,537,135; May 12.
Peirce, Albert E., Indianapolis, Ind. Game and board therefor. 1,537,370; May 12.
Peirce, Thomas J. H., Cranston, R. I. Electric time switch. 1,537,136; May 12.
Pelton Water Wheel Co., The. (See Hutchinson, Ely C., assignor.)
Pengiase, Florence L., New York, N. Y. Bag. Des. 67,302; May 12.
Pengiase, Florence L., New York, N. Y. Bag. Des. 67,303; May 12.
Pennington, Harley D., assignor to United Engineering and Foundry Company, Pittsburgh, Pa. Pipe-threading mechanism. 1,537,493; May 12.
Perkins, Charles H., Poughkeepsie, N. Y. Advertising device. 1,537,547; May 12.
Peters, Fritz J. E., Milwaukee, Wis. Grater. 1,537,548; May 12.
Peters, Otto A., Wichita Falls, Tex. Pressure-release valve. 1,537,188; May 12.
Peters, Otto A., Wichita Falls, Tex. Oil-flow tank. 1,537,189; May 12.
Petersen, Waldemar, Darmstadt, Germany, assignor to General Electric Company. Protection of alternating-electric-current systems. 1,537,371; May 12.
Peterson, Johann G., Hartford, Conn. Electric connecting plug. 1,537,689; May 12.
Petrosky, Frank, Republic, Pa. Lock. 1,537,874; May 12.
Pfannkuch, Wilhelm, Berlin, Germany, assignor to General Electric Company. Cable sleeve. 1,537,875; May 12.
Pfeffer, Henry P. (See Doredant, T. C., and Pfeffer.)
Pflueger, Charles T., assignor to The Enterprise Manufacturing Company, Akron, Ohio. Artificial bait. 1,537,261; May 12.
Phillips, Thomas H., jr. (See Sperry, E. A., and Phillips.)
Pike, Walter J., Newaygo, Mich. Vehicle lamp. 1,537,494; May 12.
Pirdun, Lewis, Tulsa, Okla. Clamp. 1,537,876; May 12.
Piron Coal Distillation Systems, Inc. (See Piron, Emil, assignor.)
Piron, Emil, assignor to Piron Coal Distillation Systems, Inc., New York, N. Y. Fuel briquette. 1,537,190; May 12.
Piston Ring Company, The. (See Johnson, Charles E., assignor.)
Pitson, Peter J., Perrysburg, Ohio. Butter cutter. 1,537,372; May 12.
Pittsburgh Lamp, Brass & Glass Company. (See Kopp, Nicholas, assignor.)
Pittsburgh Steel Company. (See Bull, George E., assignor.)
Player, Osteen J., Rockingham, assignors of twenty-two and one-half per cent to H. L. Laws, twenty-two and one-half per cent to E. H. Bowling, ten per cent to G. T. McArthur, and ten per cent to J. C. Clarke, Durham, N. C. Sure-find drop wire. 1,537,495; May 12.
Plumer, Wesley C. (See Prescott, A. C., and Plumer.)
Poeton, Lawrence. (See Schumacher, E. L., and Poeton.)
Pohlmann, Bruno G., assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Protective connection for amplifier systems. 1,537,877; May 12.
Poirier, Lewis E., Cleveland, Ohio. Syringe. 1,537,878; May 12.
Porttens, James G., assignor of one-half to S. C. Jones, Marion, Ind. Puzzle. 1,537,373; May 12.
Possons, Minard A., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Gas stove. 1,537,496; May 12.
Portham, Roland S., St. Johns Wood, and A. E. Tompkins, Brockenhurst, England. Steam drier. 1,537,690; May 12.
Potter, Ellis M. (See Golden, A., and Potter.)
Pratt, William H., Lynn, Mass., assignor to General Electric Company. Electric instrument. 1,537,374; May 12.
Prescott, Arthur C., East Orange, N. J., and W. C. Plumer, Schenectady, N. Y., assignors to General Electric Company. Control system for adjustable-speed motors. 1,537,375; May 12.
Price, Albert M. (See Gronberg, Clarence O., assignor.)
Priem, Paul, Heidenheim, Germany, assignor to American Voith Contact Company, New York, N. Y. Centrifugal screen. 1,537,691; May 12.
Probst, Samuel W. (See McDermitt, J. J., and Probst.)
Proper, Philip, Pigeon, Mich. Attachment for bean harvesters. 1,537,618; May 12.
Prosser, George, Portland, Oreg. Cutter. 1,537,376; May 12.
Prouty, Philip W., Springfield, Mass., assignor to Westinghouse Electric & Manufacturing Company. Disk commutator. 1,537,692; May 12.
Prussing, Arthur W. (See Olson, W. E., and Prussing.)
Puckett, William H., Holdenville, Okla. Fishing tool. 1,537,619; May 12.
Putnam, Alden L., assignor to Detroit Pressed Steel Company, Detroit, Mich. Pneumatic-treaded vehicle wheel. 1,537,879; May 12.
Pyle-National Company, The. (See Dake, Charles W., assignor.)
Pyles, Frank L. (See Blakeman, Francis, assignor.)
Quass, Ralph L., Hawthorne, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Measured-service telephone system. 1,537,137; May 12.
R & H Platinum Works, Inc. (See Croselmire, Frederick A., assignor.)
Rader, Earl D., Bedford Township, Westchester County, assignor to Dexter Folder Company, New York, N. Y. Sheet-folding machine. 1,537,693; May 12.
Radford, George, Oakland Beach, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 67,304; May 12.
Raffay, Andrew, Schenectady, N. Y. Sleeve contractor. 1,537,549; May 12.
Rail Anchor Company, The. (See Hyle, Jacob A., assignor.)
Rains, Beulah L., Dunlap, Mo., assignor of one-fourth to A. G. Simpson and M. J. Newman, Alliance, Nebr. Adjustable shade and curtain bracket. 1,537,497; May 12.
Randall, J. Clayton. (See Stern, F. E., and Randall.)
Rankow, Norman N., New York, N. Y. Tobacco pipe. 1,537,188; May 12.
Rawak, George, New York, N. Y. Lady's hat. Des. 67,305; May 12.
Rawak, George, New York, N. Y. Lady's hat. Des. 67,306; May 12.
Rawak, George, New York, N. Y. Lady's hat. Des. 67,307; May 12.
Rawak, George, New York, N. Y. Lady's hat. Des. 67,308; May 12.
Ray, William R., San Francisco, Calif. Oil-valve-actuating machanism for oil burners. 1,537,262; May 12.

Raymond Bros. Engineering Co. (See Lauren, John W., assignor.)
Record Crude Oil Engine Company, The. (See Davidson, John, assignor.)
Reed, Clarence E., assignor to Reed Roller Bit Company, Houston, Tex. Lubricator for deep-well drilling apparatus. 1,537,550; May 12.
Reed, Clarence E., assignor to Reed Roller Bit Company, Houston, Tex. Rotary deep-well drilling apparatus. 1,537,551; May 12.
Reed Roller Bit Company. (See Reed, Clarence E., assignor.)
Reid, Joseph S., assignor to Clark Brothers Company, Olean, N. Y. Sawmill carriage. 1,537,880; May 12.
Ressler, Grover C., assignor to Baker Brothers Glass Company, Okmulgee, Okla. Splitting buck. 1,537,924; May 12.
Reynolds, Gerald F. (See Hodgson, H., and Reynolds.)
Reynolds, Ralph K., assignor to Mallory Hat Company, Danbury, Conn. Hat Marking. 1,537,191; May 12.
Reynolds, Roger N., and T. F. Dougherty, Atlanta, Ga. Loom attachment. 1,537,881; May 12.
Rice, Charles M., St. Louis, Mo. Pencil-holding device for key rings. 1,537,192; May 12.
Rice, Horace E., deceased, Philadelphia, Pa., by K. F. Rice, administratrix, Enfield, Conn. Ignition apparatus. 1,537,263; May 12.
Rice, Kathleen F., administratrix. (See Rice, Horace E.)
Richmond Lace Works. (See Radford, George, assignor.)
Richmond Lace Works. (See Seel, Hans, assignor.)
Riddell, Walter J., North Sydney, New South Wales, Australia. Mounting of the wheels of vehicles. 1,537,139; May 12.
Ries, Willy, Berlin, Germany, assignor to N. V. Machina Maatschappij voor Handel en Industrie, Amsterdam, Netherlands. Automatic stop for phonographs. 1,537,328; May 12.
Rigsby, John F., and W. T. Manning, Essington, Pa., assignors to Westinghouse Electric and Manufacturing Company. Auto stop governor. 1,537,694; May 12.
Riley, Lynn G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,537,695; May 12.
Ritter, John G., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Centering device. 1,537,696; May 12.
Roberts, Montague H., Jersey City, N. J., and C. C. Van Nuys, New York, N. Y., assignors to Air Reduction Company, Inc. Liquefying gases. 1,537,193; May 12.
Roberts, Owen H., Spartanburg, S. C. Movable form for concete work. 1,537,882; May 12.
Roberts, Theodore C., Bridgeport, Conn., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Apparatus for molding articles. 1,537,697; May 12.
Robinson, Holton D., New York, N. Y. Laying of and seizing for suspension-bridge cable. 1,537,698; May 12.
Rocco, Olivieri, Buffalo, N. Y. Handle for various instruments. 1,537,883; May 12.
Rockwell, Harvard S., Minneapolis, Minn. Stirrup chair. 1,537,699; May 12.
Roe, Alexander B. (See Welk, N. S., and Roe.)
Roeper Crane and Hoist Works. (See Kalbach, Samuel E., assignor.)
Rogers, Alfred, Milton, Mass. Spout and housing. 1,537,194; May 12.
Rogers, Edwin M., New York, N. Y. Method of and apparatus for elevating liquids by a multilift unilow airlift system. 1,537,264; May 12.
Rogers Electrical Laboratories Company. (See Bliss, Richard H., assignor.)
Romine, William M., and W. J. Clark, Wichita, Kans. Clamp for dental flasks. 1,537,884; May 12.
Rosenhazen, Victor, Bellevue, Ky. Centrifugal pump. 1,537,700; May 12.
Rothenbucher, George E. R., Chicago, Ill. Engine valve. 1,537,701; May 12.
Rottgardt, Karl, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Maufacturing Company. Electric reel. 1,537,702; May 12.
Rotunno, Michael, New York, N. Y. Lather-making device. 1,537,552; May 12.
Rousseau, George E. C., Sacramento, Calif. Ore pulverizer. 1,537,377; May 12.
Royal Typewriter Company. See Greene, Patrick M., assignor.)
Royan, George. (See Nots, F., and Royan.)
Rubber Development Company, The. (See Freedlander, A. L., and Goodwin, assignors.)
Rubin, Adolph, assignor to Sieber Products Manufacturing Company, St. Louis, Mo. Keeper for refrigerator locks. 1,537,703; May 12.
Rumpf, John, New Milford Borough, N. J., assignor to The Safety Car Heating & Lighting Company. Pressure regulator. 1,537,704; May 12.
Rushmore, Samuel W., Plainfield, N. J. Radiator. 1,537,553; May 12.
Russell, Edward A. (See Gold, E. H., and Russell.)
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Automatic car-heating system. 1,537,141; May 12.
Russell, Edward A., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Train-pipe-hose coupling. 1,537,705; May 12.
Russell, Percy, Swarthmore, Pa., A. W. Schramm, Riverton, N. J., and R. S. Woodward, jr., Haverford, assignors to Electro Dental Manufacturing Company, Philadelphia, Pa. Dental unit. 1,537,140; May 12.
Ruth, Joseph P., jr., Denver, Colo. Pneumatic flotation apparatus. 1,537,265; May 12.
Ryan, Dennis P., Toledo, Ohio. Weedless bait. 1,537,266; May 12.
Ryan, William F., Florence, Mass. Stop cock. 1,537,554; May 12.
Rydberg, John T., Harrison, N. J., assignor to Supreme Player Action Corporation. Action mechanism for pianos and like instruments. 1,537,885; May 12.
Sackl, Gustav H., Milwaukee, Wis. Telephone-mouthpiece attachment. 1,537,886; May 12.
Saco-Lowell Shops. (See Forsaith, Charles H., assignor.)
Safety Car Heating & Lighting Company, The. (See Rumpf, John, assignor.)
Salisbury & Satterlee Co. (See Turgeon, Edward, assignor.)
Salisbury, Orange J., Salt Lake City, Utah. Apparatus for filtering and for forming articles from pulp solutions. 1,537,195; May 12.
Sander, Chris, jr. (See Staggers, W. F., and Sander.)
Sandgren, Olof H., Kansas City, Mo. Windshield. 1,537,706; May 12.
Sandor, Nicholas. (See Tschörner, L., and Sandor.)
Savage, George C., Glastonbury, Conn. Blanket holder and fire extinguisher. 1,537,887; May 12.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Post binder for loose-leaf sheets. 1,537,142; May 12.
Schaefer, Joseph, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Metal shelf support. 1,537,267; May 12.
Scheid, John A., Roxborough, Pa. Tire tread. Des. 67,309; May 12.
Schenk, Vincent L., St. Joseph, Mo. Valve attachment. 1,537,555; May 12.
Schlicker, Herman C., assignor of one-half to J. R. Freuler, Milwaukee, Wis. Moving-picture-film container. 1,537,196; May 12.
Schmertz, Louis R., Liconier, and L. A. Gessner, Jeannette, assignors to Window Glass Machine Company, Pittsburgh, Pa. Tilting table for leers. 1,537,498; May 12.
Schmidt, Edward D., Medford, Okla. Toaster. 1,537,499; May 12.
Schmitt, Andrew E., and P. F. Buck, Sandusky, Ohio. Window raiser. 1,537,556; May 12.
Schneider, Ferdinand, Fulda, Germany. System of electric control. 1,537,620; May 12.
Schneider, Frans K., Philadelphia, Pa. Interchangeable-tooth segment gear. 1,537,557; May 12.
Schoeberl, Joseph M., Slayton, Minn. Hand bag. Des. 67,310; May 12.
Schofield-Burkett Construction Company. (See Burkett, Ira E., assignor.)
Scholl, John, and J. Weiler, Belgium, Wis. Beet-topping machine. 1,537,707; May 12.
Schön, Ludwig, Essen, Germany. Arrangement for suppressing sparks. 1,537,378; May 12.
Schott, Louis, Cincinnati, Ohio. Riveting jig. 1,537,268; May 12.
Schottky, Walter, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Thermionic vacuum tube. 1,537,708; May 12.
Schramm, Adolph W. (See Russell, P., Schramm, and Woodward.)
Schubert, Oskar, assignor to Gebr. Himmelsbach Aktiengesellschaft, Freiburg, Germany. Joint or coupling for posts. 1,537,197; May 12.
Schuldes, Franz, New York, N. Y. Planing machine. 1,537,143; May 12.
Schultz, Edward H. (See Gifford, L., Schultz, and West.)
Schultz, Jesse E., assignor of one-third to R. Webb and one-third to C. Dixon, Albany, Wis. Excavator. 1,537,558; May 12.
Schumacher, Elmer L., and L. Poeton, assignors to American Optical Company, Southbridge, Mass. Temple. 1,537,144; May 12.
Schweitzer & Conrad. (See Conrad, Nicholas J., assignor.)
Schwenck, Frederick W., Cincinnati, Ohio. Bottle. Des. 67,311; May 12.
Schwidetzky, Oscar O. R., Hasbrouck Heights, assignor to Becton, Dickinson & Co., Rutherford, N. J. Specific-gravity tester. 1,537,888; May 12.
Scott, Albert E., Houston, Tex. Hinge. 1,537,379; May 12.
Scott, Charles E., Isaban, W. Va. Electrical resistance. 1,537,509; May 12.
Scudder, Samuel. (See Jones, Ithmer M., assignor.)
Seal-Tite Piston Ring Company. (See Sipe, Martin E., assignor.)
Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,537,621; May 12.

Sears, John E., jr., and A. J. C. Brookes, Teddington, England; said Sears assignor to said Brookes. Forming slip-measuring gauges. 1,537,622; May 12.
Sechler, William N., Fort Scott, Kans. Arch support. Re16,068; May 12.
Seckinger, Charles A., Kansas City, Kans. Column-form clamp. 1,537,889; May 12.
Seekonk Lace Company. (See Seligman, Bertha C., assignor.)
Seel, Hans, Hopkinton, assignor to Richmond Lace Works, Alton, R. I. Lace. Des. 67,312; May 12.
Seitz, Samuel C., Towson, Md. Ammonia condenser. 1,537,890; May 12.
Seley, Charles A., Sewickley, and M. M. McCallister, Erie, assignors to American Flexible Bolt Company, Pittsburgh, Pa. Apparatus for straightening metal articles. 1,537,501; May 12.
Seligman, Bertha C., Providence, R. I., assignor to Seekonk Lace Company. Lace. Des. 67,313; May 12.
Sell, William L. (See Gifford, L., Schultz, and West, assignors.)
Sellew, Roland W., Middletown, Conn. Binder. 1,537,502; May 12.
Sévigné, F. J., Machine Company. (See Hale, Arthur B., assignor.)
Shatz, Barnett, Buenos Aires, Argentina, assignors to Underwood Typewriter Company, New York, N. Y. Typewriter spacing mechanism. 1,537,503; May 12.
Shedd, Hugh E., Minneapolis, Minn. Calendar. 1,537,891; May 12.
Sheedy, John, Seattle, Wash. Electric lamp. 1,537,504; May 12.
Shenton, Harry E., Philadelphia, Pa., assignor to Neptune Meter Company, New York, N. Y. Relief valve. 1,537,145; May 12.
Sherman, John A., Worcester, Mass. Burner. 1,537,324; May 12.
Skard, Hugh C., New York, N. Y. Removing nonmetallic inclusions from iron or steel. 1,537,709; May 12.
Sieber Products Manufacturing Company. (See Rubin, Adolph, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Krause, Georg, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Ohnesorge, Wilhelm, assignor.)
Siemens & Halske, Aktiengesellschaft. (See Pohlmann, Bruno G., assignor.)
Siemens & Halske, Aktiengesellschaft. (See Schottky, Walter, assignor.)
Signal Gesellschaft mit beschränkter Haftung. (See Lichte, Hugo, assignor.)
Simode System Inc. (See Treat, Sydney W., assignor.)
Silica Gel Corporation, The. (See Patrick, Walter A., assignor.)
Silvey, Robert E. (See Blackstone, G. H., and Silvey.)
Simmons, Karl A., Edgewood Park, and H. R. Meyer, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,537,623; May 12.
Simone Company, The. (See Heyman, Henry B., assignor.)
Simonsen, William W., and L. V. D. Blair, deceased, Cincinnati, Ohio; J. C. Thompson, administrator, assignors to The Mantle Lamp Company of America, Chicago, Ill. Stopper. 1,537,786; May 12.
Simpson, Augusta G., et al. (See Baird, Beulah L., assignor.)
Simpson, William E., Highland Park, Mich. Hoist. 1,537,624; May 12.
Sinclair, Charles S., assignor to The R. F. Johnston Paint Company, Cincinnati, Ohio. Redecoration process. 1,537,146; May 12.
Singer Manufacturing Company, The. (See Allen, Edward B., assignor.)
Singer Manufacturing Company, The. (See Diehl, Frederick, assignor.)
Sipe, Martin E., Ridgeville, Ind., assignor to Seal-Tite Piston Ring Company, Minneapolis, Minn. Piston ring. 1,537,787; May 12.
Skinner, Bronson C., assignor to Skinner Machinery Company, Dunedin, Fla. Drying apparatus. 1,537,626; May 12.
Skinner Machinery Company. (See Skinner, Bronson C., assignor.)
Sleeper, Frank H., assignor to Sleeper & Hartley, Inc., Worcester, Mass. Continuous-wire-drawing machine. 1,537,269; May 12.
Sleeper & Hartley, Inc. (See Sleeper, Frank H., assignor.)
Smith, Alva T., Winsted, Conn. Humidor. 1,537,090; May 12.
Smith, Anthony T., Kansas City, Mo. Steam engine. 1,537,892; May 12.
Smith, Cecil E. and W. E., Seattle, Wash. Mixer box. 1,537,625; May 12.
Smith, Eugene A., La Fayette, Ga. Insect destroyer. 1,537,893; May 12.
Smith, Frank C., Tampa, Fla. Retaining device for filing cabinets. 1,537,894; May 12.
Smith, Horatio W. (See Kelly, I. J., and Smith.)
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,537,710; May 12.
Smith, Joel, Moran, Mich. Typewriter. 1,537,147; May 12.
Smith, Joel, Moran, Mich. Typewriter. 1,537,148; May 12.
Smith, Joel, Moran, Mich. Typewriter. 1,537,149; May 12.
Smith, John D., Marysville, Calif. Burglar alarm. 1,537,895; May 12.
Smith, Richard H., assignor of one-third to H. L. Lane and one-third to C. H. Lane, Norton, Mass. Valve-operating mechanism. 1,537,505; May 12.
Smith, William E. (See Smith, Cecil E. and W. E.)
Snyder, John, L. Craig, L. A. Sullivan, and W. E. Sullivan, assignors to Success Road Machine Company, Jacksonville, Ill. Road grader. 1,537,091; May 12.
Societe d'Optique et de Mecanique de Haute Precision. (See Castellani, Antoine, assignor.)
Society Durand & Huguemin S. A. (See Zehntner, E., and Bodmer, assignors.)
Sokol, John J. (See Lees, A. W., and Sokol.)
Soldner, William E., Salina, Kans. Miniature automobile for exhibition purposes. 1,537,198; May 12.
Solliday, Foster K., Grand Rapids, Mich. Spring-winding machine. 1,537,150; May 12.
Søiling, Samuel A., Aarhus, Denmark. Illuminating device for relatively long and narrow objects for surfaces. 1,537,151; May 12.
Soyster, Hale B., and H. W. Lee, Los Angeles, Calif. Rotary mudding clamp and method of mudding wells. 1,537,199; May 12.
Spafford, Lewis B., Chicago, Ill. Game club. 1,537,711; May 12.
Specht, Woldemar, Scotia, N. Y., assignor to General Electric Company. Clamp. 1,537,712; May 12.
Spencer, William H., Bogota, N. J., assignor to I. P. Frink Inc., New York, N. Y. Electric lamp. 1,537,200; May 12.
Speri, Antonin, Pomona, Calif. Collapsible fire escape. 1,537,506; May 12.
Sperry, Elmer A., Brooklyn, N. Y., and T. H. Phillips, jr., Fort Myers, Fla.; said Phillips assignor to said Sperry. Drag rudders for gravity bombs. 1,537,713; May 12.
Sperry Gyroscope Company, The. (See Hall, Theodore, assignor.)
Sponable, George W., assignor to Brown-Lipe Gear Company, Syracuse, N. Y. Gear-lapping machine. 1,537,626; May 12.
Sprague Canning Machinery Company. (See Holmquist, August, sr., assignor.)
Spung, Howard W., Marietta, Ohio. Direction indicator. 1,537,152; May 12.
Stabler, William H., and W. H. Ayres, Baltimore, Md., assignors to American Can Company, New York, N. Y. Can-top-testing machine. 1,537,270; May 12.
Stacge, Stephen A., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Speed-regulator system. 1,537,627; May 12.
Staggers, William F., Mannington, and C. Sander, jr., Wheeling, W. Va.; said Staggers assignor to said Sander. Device for applying non-skid chains. 1,537,559; May 12.
Stanchfield, Walter, Austin, Pa. Animal trap. 1,537,896; May 12.
Standard Car Truck Company. (See Webb, Edwin W., assignors.)
Standard Foundry Company, The. (See Greene, Samuel P., assignor.)
Standard Products Corporation. (See Möller, Jacob A. L., assignor.)
Steele, May C. (See Steele, Warren E., assignor.)
Steele, Warren E., assignor to M. C. Steele, San Francisco, Calif. Hinge. 1,537,897; May 12.
Stegmeier, Charles F., Van Nuys, Calif. Tide motor. 1,537,560; May 12.
Stengel, Henry I., assignor, by mesne assignments, to Uppercu Cadillac Corporation, New York, N. Y. Self-adjusting shackle. 1,537,153; May 12.
Stern & Company. (See Stern, F. E., and Randall, assignors.)
Stern, Francis E., West Hartford, and J. C. Randall, assignors to Stern & Company, Incorporated, Hartford, Conn. Variable condenser. 1,537,561; May 12.
Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,314; May 12.
Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,315; May 12.
Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,316; May 12.
Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,317; May 12.
Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,318; May 12.
Stiegler, Harold W., Lawrence, Mass. Production of vat dyes. 1,537,507; May 12.
Stillson, Harry F., Williamsburgh, Ontario, Canada. Telephone attachment. 1,537,380; May 12.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,537,714; May 12.

Stock, Robert, Sandusky, Ohio. Hinge. 1,537,562; May 12.

Stone, Albert, Clarksville, Mo. Moldboard. 1,537,898; May 12.

Stoop, William J., Wheeling, W. Va. Apparatus for and method of forming and handling sheet bars and the like. 1,537,092; May 12.

Stoop, William J., Wheeling, W. Va. Ash gate for the fire boxes of boilers. 1,537,093; May 12.

Strauss, Benno, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cutting and milling tool and manufacturing the same. 1,537,381; May 12.

Street, James A., Detroit, Mich., assignor of one-half to H. C. Zeitz, Clarksburg, W. Va. Tool holding and driving mechanism. 1,537,628; May 12.

Street, James A., Detroit, Mich., assignor of one-half to H. C. Zeitz, Clarksburg, W. Va. Coupling mechanism. 1,537,629; May 12.

Stringe, Alfred H., assignor to Commercial Furniture Company, Chicago, Ill. Table. 1,537,382; May 12.

Stromback, Philip, Philadelphia, Pa. Condenser. 1,537,271; May 12.

Strom Ball Bearing Manufacturing Company. (See Diesk, John, jr., assignor.)

Stromberg-Carlson Telephone Manufacturing Company, The. (See Levis, John H., jr., assignor.)

Stubbs, Clendenon L., Huntington Park, Calif. Holder. 1,537,899; May 12.

Stuckey, Daniel B., Portland, Oreg. Switch. 1,537,383; May 12.

Sturges, Clarence B. (See Weiss, Carl W., assignor.)

Success Road Machine Company. (See Snyder, J., Craig, and Sullivan, assignors.)

Suczek, Robert, assignor to C. H. Wheeler Manufacturing Company, Philadelphia, Pa. Evaporating system. 1,537,563; May 12.

Sullivan, John L., Thompsonville, Conn. Wrapping and sealing machine. 1,537,384; May 12.

Sullivan, Lee A. (See Snyder, J., Craig, and Sullivan.)

Sullivan, William E. (See Snyder, J., Craig, and Sullivan.)

Supreme Player Action Corporation. (See Rydberg, John T., assignor.)

Swan, Fred, Marietta, Ohio. Dumping sand pump. 1,537,201; May 12.

Swan, Fred, Marietta, Ohio. Clamping ring for expansible tools. 1,537,202; May 12.

Swan, Fred, Marietta, Ohio. Swivel-jar wire-rope socket. 1,537,203; May 12.

Swartzbaugh, Earl S., West Helena, Ark. Brake for railway rolling stock. 1,537,204; May 12.

Sweet, Oliver T., St. Louis, Mo. Safety switch. 1,537,272; May 12.

Swenson, Carl R. (See McGlashan, J., and Swenson.)

Swift, Edwin J., Sheepshead Bay, N. Y. Carton holder and filler. 1,537,385; May 12.

Swift, James P., Millstone, Ky. Switch frog. 1,537,508; May 12.

Swingspout Measure Co. (See Wiswell, Ozro N., assignor.)

Swoyer, Harry, Dunkirk, N. Y. Throttle-valve-operating mechanism. 1,537,094; May 12.

Symington Company, The. (See Anderson, Gustaf A., assignor.)

Symons Brothers Company. (See Symons, Edgar B., assignor.)

Symons, Edgar B., Los Angeles, Calif., assignor to Symons Brothers Company, Milwaukee, Wis. Gyratory cone crusher. 1,537,564; May 12.

Symons, Edgar B., Hollywood, assignor to Symons Brothers Company, Bakersfield, Calif. Crushing hard materials. 1,537,565; May 12.

Tabor, Leroy. (See Wallace, F. R., and Tabor.)

Talbot, Ernest, Lowestoft, England. Piston. 1,537,900; May 12.

Taylor, James F. (See Fessler, Weaver F., assignor.)

Teagle, Henry, Minneapolis, Minn. Motor robe. 1,537,630; May 12.

Teetor, Ralph R., Hagerstown, Ind. Piston. 1,537,631; May 12.

Temple, Jesse C., Hattiesburg, Miss. High-pressure painting device. 1,537,566; May 12.

Tharaldsen, Filip, Beatum, near Christiania, Norway. Device for plugging smelting furnaces. 1,537,901; May 12.

Thayer, Harold S. (See Whittier, F. G., and Thayer.)

Thomas, Harry W., Indiana, Pa. Bowl or similar article. Des. 67,319; May 12.

Thomas, Harry W., Indiana, Pa. Bowl or similar article. Des. 67,320; May 12.

Thomas, Joseph E., Montreal, Quebec, Canada. Attaching device for antiskid chains. 1,537,567; May 12.

Thompson, Don N. (See Morey H. J., and Thompson.)

Thompson, Eugene A., Syracuse, N. Y. Apparatus for withdrawing and reclaiming the liquid contents of the crank case of an internal-combustion engine. 1,537,095; May 12.

Thompson, John C., administrator. (See, Simonson, W. W., and Blair.)

Thompson, John R., jr. (See Thompson, John R., sr., and J. R., jr.)

Thompson, John R., sr., and J. R. Thompson, jr., Hanford, Calif. Proportional-gas-sample collector. 1,537,568; May 12.

Thompson-Neaylon Manufacturing Company. (See Thompson, Parker C., assignor.)

Thompson, Nelson W., et al. (See Giffen, Wallace M., assignor.)

Thompson, Parker C., assignor to Thompson-Neaylon Manufacturing Co., Chicago, Ill. Tire holder. 1,537,096; May 12.

Timbury, Frederick R. V. (See Mohr, E., and Timbury.)

Timken-Detroit Axle Company, The. (See Buckendale, Laurence R., assignor.)

Tingley, Egbert M., Elizabeth, N. J., assignor to General Electric Company. Electrostatic condenser. 1,537,386; May 12.

Tinker, Herbert W., assignor to Federal Pressed Steel Company, Milwaukee, Wis. Bumper for vehicles. Des. 67,321; May 12.

Toledo Automotive Products Company. (See Clas, Angelo R., assignor.)

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Tompkins, Albert E. (See Portham, R. S., and Tompkins.)

Treat, Sydney W., assignor to Signode System Inc., Chicago, Ill. Seal. 1,537,715; May 12.

Triggs, Kenneth F., Huntington, Ind. Spark-plug cleaner. 1,537,902; May 12.

Trostel, Albert O., Milwaukee, Wis. Ball. 1,537,387; May 12.

Truscon Steel Company. (See Briody, Bernard, assignor.)

Tschörner, Ludwig, Vienna, Austria, and N. Sandor, Dresden, Germany. Facsimile telegraph. 1,537,205; May 12.

Tucker, Walter T. (See Campbell, J. D., and Tucker.)

Tully, Francis W., Brookline, Mass. Window-cleaning apparatus. 1,537,273; May 12.

Tupper, Arthur W., assignor of one-half to D. B. Galt, Riverdale, Md. Figure toy. 1,537,509; May 12.

Türck, Eugen. (See Bösebeck, E., and Türck.)

Turgeon, Edward, assignor of one-half to Salisbury & Satterlee Co., Minneapolis, Minn. Wire-coiling machine. 1,537,632; May 12.

Turrell, Stanley J., New York, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,537,274; May 12.

Tyden, Emil, Evanston, Ill. Seal. 1,537,097; May 12.

Tyrrell, Nathan E., Kansas City, Mo. Automatic trip valve for oil burners. 1,537,388; May 12.

Twiggs, William R., Cleveland, Ohio. Denture. 1,537,716; May 12.

Ulfsetb, Carl, Marshall, Minn. Wheat and flax sieve. 1,537,511; May 12.

Underwood Typewriter Company (See Brown, Clarence H., assignor.)

Underwood Typewriter Company. (See Shatz, Barnett, assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Union Trust Company, administrator. (See Case, Adelbert B.)

United Engineering and Foundry Company. (See Johnson, L., and Moses, assignors.)

United Engineering and Foundry Company. (See Pennington, Harley D., assignor.)

Union Switch & Signal Company, The. (See Turrell, Stanley J., assignor.)

United Shoe Machinery Corporation. (See Gookin, Sylvester L., assignor.)

United Shoe Machinery Corporation. (See Hurd, William R., 2d, assignor.)

United States Playing Card Company, The. (See Albert, Clifford E., assignor.)

U. S. Slicing Machine Company. (See Van Berkel, Cornelis F. M., assignor.)

Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)

Universal Oil Products Company. (See Egloff, Gustav, assignor.)

Universal Optical Corporation. (See Beatty, Earle J. R., assignor.)

Uppercu Cadillac Corporation. (See Stengel, Henry I., assignor.)

Van Berkel, Cornelis F. M., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Laporte, Ind. Ratchet mechanism. 1,537,717; May 12.

Van Dorm Iron Works Company, The. (See Schaefer, Joseph, assignor.)

Van Nuys, Claude C. (See Roberts, M. H., and Van Nuys.)

Van Orman, Bert L., assignor to L. A. Young Industries, Inc., Detroit, Mich. Wireworking machine. 1,537,389; May 12.

Vapor Car Heating Company. (See Russell, Edward A., assignor.)

Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Duplex counting machine. 1,537,512; May 12.

Veeder Manufacturing Company, The. (See Veeder Curtis H., assignor.)

Velcio, John, Youngstown, Ohio. Lighting-fixture support. 1,537,098; May 12.

Vennes, Harald J., assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-current system. 1,537,099; May 12.

Vincent, Sidney C., Baltimore, Md. Toy alarm clock. 1537,390; May 12.

Von Lepel, Egbert, Berlin-Wilmersdorf, Germany. Connection for the ignition of explosion motors. 1,537,903; May 12.

Vulcan Last Company, The. (See Clausing, George, assignor.)

Vulcan Last Company, The. (See Searl, Clinton M., assignor.)

Wagner, E. R., Manufacturing Company. (See Wagner, Edward R., assignor.)

Wagner, Edward R., Milwaukee, assignor to E. R. Wagner Manufacturing Company, North Milwaukee, Wis. Metal disk wheel. 1,537,391; May 12.

Wagner, Walter, Chicago, Ill. Vacuum-bottle heater. 1,537,513; May 12.

Walbran, Christopher J., Brooklyn, assignor to Kleinschmidt Electric Company, Inc., Long Island City, N. Y. Tape-pasting device. 1,537,904; May 12.

Walden-Worcester, Incorporated. (See Enberg, Stone R., assignor.)

Walker, O. S., Co. (See Walker, O. S., and Williams, assignors.)

Walker, Oakley S., and I. F. Williams, assignors to O. S. Walker Co., Worcester, Mass. Magnetic chuck. 1,537,633; May 12.

Wallace, Frank R., Philadelphia, Pa., and L. Tabor, Riverton, N. J. Recoil brake. 1,537,392; May 12.

Wallace, Orien P., assignor of one-half to D. Kulage and one-third to Monarch Metal Products Company, St. Louis, Mo. Metal weather strip. 1,537,275; May 12.

Walsh, Edward H., Chicago, Ill. Plate-marking device. 1,537,393; May 12.

Wangen, Joseph C., Great Falls, Mont. Pencil sharpener. 1,537,394; May 12.

Warren Clock Company. (See Warren, Henry E., assignor.)

Warren, Henry E., Ashland, Mass., assignor to Warren Clock Company. Electric clock. 1,537,395; May 12.

Warren, J. William, Kansas City, Mo. Adzing machine. 1,537,905; May 12.

Watson, Hazen E., Detroit, Mich. Road map. 1,537,634; May 12.

Webb, Charles, Fort Myer, Va. Fly rejector for windows. 1,537,906; May 12.

Webb, Edwin W., assignor to Standard Car Truck Company, Chicago, Ill. Roller side bearing. 1,537,100; May 12.

Webb, Ray, et al. (See Schultz, Jesse E., assignor.)

Weeks, Frank A., Plainfield, N. J. Inkstand. 1,537,718; May 12.

Weeks, Jessie L., New York, N. Y. Music-instruction game. 1,537,514; May 12.

Weier, Jacob J., Chicago, Ill. Detachable traction device for vehicle wheels. 1,537,276; May 12.

Weight, Orlando W. (See Evans, E. V., Parrish, and Weight.)

Weller, John. (See Scholl, J., and Weller.)

Weinfield, Benjamin S., Schenectady, N. Y., assignor to General Electric Company. Automatic switching equipment. 1,537,719; May 12.

Weiss, Carl W., Brooklyn, N. Y., assignor of one-half to C. B. Sturges, Fairfield, Conn. Transmission device. 1,537,515; May 12.

Welk, Nelson S., and A. B. Roe; said Welk assignor of his entire right to The McBee Binder Company, Athens, Ohio. Perforating machine. 1,537,516; May 12.

Wellington, Arthur W., assignor to Chase Companies, Inc., Waterbury, Conn. Insulated suspension stem for electric-lighting fixtures. 1,537,635; May 12.

Wells, Clarence W., Cherryville, N. C. Fruit-drying device. 1,537,907; May 12.

Wentz, Oscar W., New York, N. Y. Advertising sign. 1,537,788; May 12.

Wesely, Charles, Co., et al. (See Grogan, Robert S., assignor.)

West, Charles L. (See Gifford L., Schultz, and West.)

Western Electric Company. (See Bandur, Adolph F., assignor.)

Western Electric Company. (See Ford, Ben K., assignor.)

Western Electric Company. (See Gargan, John O., assignor.)

Western Electric Company. (See Graham, Frank H., assignor.)

Western Electric Company. (See Kranz, Frederick W., assignor.)

Western Electric Company. (See Mills, John, assignor.)

Western Electric Company. (See Murphy, Paul B., assignor.)

Western Electric Company. (See Quass, Ralph L., assignor.)

Western Electric Company. (See Vennes, Harold J., assignor.)

Western Electric Company. (See Whiting, Donald F., assignor.)

Western Electric Company. (See Wolfe, Wallace V., assignor.)

Westinghouse Electric & Manufacturing Company. (See Bouton, Edgar M., assignor.)

Westinghouse Electric and Manufacturing Company. (See Davis, David C., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hoeftman, Charles M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hogan, John V. L., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lehr, Edwin E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Prouty, Philip W., assignor.)

Westinghouse Electric and Manufacturing Company. (See Rigsby, J. P., and Manning, assignors.)

Westinghouse Electric & Manufacturing Company. (See Riley, Lynn G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Ritter, John G., assignor.)

Westinghouse Electric & Manufacturing Company. (See Rottgardt, Karl, assignor.)

Westinghouse Electric & Manufacturing Company. (See Simmons, K. A., and Meyer, assignors.)

Westinghouse Electric & Manufacturing Company. (See Staege, Stephen A., assignor.)

Westinghouse Electric & Manufacturing Company. (See Whittaker, Charles C., assignor.)

Wetherill, Samuel P., jr., Philadelphia, Pa. Button. Des. 67,322; May 12.

Wheeler, C. H., Manufacturing Company. (See Sucsek, Robert, assignor.)

Wheeling, Frank L., Los Angeles, Calif. Sight and barrel protector for guns and rifles. 1,537,517; May 12.

White, John F. and W. H., Bradford, England. Woolwashing machine. 1,537,720; May 12.

White, John S., St. Louis, Mo. Device for loading trucks. 1,537,396; May 12.

White, William H. (See White, John F. and W. H.)

Whiting, Donald F., assignor to Western Electric Company, Incorporated, New York, N. Y. Connecting devices of different impedance. 1,537,101; May 12.

Whittaker, Charles C., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical system. 1,537,636; May 12.

Whittier, Frederick G., Ipswich, Mass., and H. S. Thayer, Tenafly, N. J., assignors to The Lamson Company, Boston, Mass. Central station for carrier-dispatch systems. 1,537,569; May 12.

Wicks, John, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,537,721; May 12.

Wikstrom, Malcolm U., Pittsburgh, Pa. Tube-rolling method and apparatus. 1,537,206; May 12.

Wikstrom, Malcolm U., Detroit, Mich. Apparatus for forming metal tubes. 1,537,207; May 12.

Wiley, Samuel, Metuchen, N. J. Percussion fuse. 1,537,208; May 12.

Wilhelm, Benjamin L., Chicago, Ill. Comb and cleaning device therefor. 1,537,397; May 12.

Williams, Isaac F. (See Walker, O. S., and Williams.)

Williams, Percy Q., Cincinnati, Ohio. Leer-conveyer mechanism. 1,537,277; May 12.

Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Make-busy scheme for telephone systems. 1,537,326; May 12.

Willison, John. (See Bazeley, A. J., and Willison.)

Willmann, Joseph, Derby, Conn. Heating and cooling apparatus. 1,537,908; May 12.

Willson, William P., Arlington, Vt., assignor to W. E. Kidder, Kalamazoo, Mich. Refrigerator. 1,537,398; May 12.

Wilmot, John F., Detroit, Mich. Disk wheel. 1,537,209; May 12.

Wilson, George D., and R. H. Gramm, assignors of one-third to H. A. Broeas, Buffalo, N. Y. Molding device for constructing concrete walls. 1,537,278; May 12.

Wilson, John A., Elizabeth, assignor to Duratex Corporation, Newark, N. J. Coated fabric and making same. 1,537,518; May 12.

Window Glass Machine Company. (See Clark, Henry F., assignor.)

Window Glass Machine Company. (See Schmerts, L. R., and Gessner, assignors.)

Winston, Oscar B., Memphis, Tenn. Cotton-picking machine. 1,537,102; May 12.

Winter, Joseph W., Penfield, Pa. Pipe connection for containers. 1,537,722; May 12.

Wirebounds Patents Company. (See Davidson, Bruce J., assignor.)

Wiswell, Ozro N., Los Angeles, Calif., assignor to Swingspout Measure Co. Swingspout attachment for containers. 1,537,399; May 12.

Wohl, Maurice J., New York, assignor to M. J. Wohl & Co., Inc., Long Island City, N. Y. Feeding mechanism for arc lamps. 1,537,103; May 12.

Wohl, M. J., & Co. (See Wohl, Maurice J., assignor.)

Wohlhieter, Joseph W., Newark, N. J. Triangle chair brace. 1,537,400; May 12.

Wolfe, Harry H., assignor to The American Floor Surfacing Machine Company, Toledo, Ohio. Universal joint. 1,537,279; May 12.

Wolfe, Wallace V., Corona, assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex signaling system. 1,537,154; May 12.

Wollenweber, Gay, Savannah, Ga. Liquid dispenser. 1,537,104; May 12.
Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Canopy. Des. 67,323; May 12.
Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Stand for bridge lamps. Des. 67,324; May 12.
Wolter, Herman H., Meriden, Conn., assignor to The Miller Company, New York, N. Y. Table lamp. Des. 67,325; May 12.
Wolter, Herman M., San Francisco, Calif. Headlight. 1,537,909; May 12.
Wood, Alan D. (See Lewis, Harry A., assignor.)
Wood, Ruby O., Spokane, Wash. Hand bag. 1,537,210; May 12.
Woodroof, William W., Auburn, Ala. Spark plug. 1,537,105; May 12.
Woodward, Daniel H., and J. S. Chambers, Atlanta, Ga. Insect exterminator. 1,537,570; May 12.
Woodward, Robert S., jr. (See Russell, P., Schramm, and Woodward.)
Wootton, John H., New York, N. Y. Signaling system. 1,537,211; May 12.)
Wright, Fred W. (See Elsworth, T. F., Wright, and Harker.)
Wright, Wayne C., Port Lavaca, Tex. Apparatus for supplying heated air to carburetors. 1,537,910; May 12.
Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Hand-brake wheel. 1,537,212; May 12.
Wuesthoff, Maximillian W., San Francisco, Calif. Hinge for toilet seats. 1,537,280; May 12.
Wunsch, Felix, assignor to Leeds & Northrup Company, Philadelphia, Pa. Electrical measuring apparatus. 1,537,281; May 12.
Wunschow, Otto B., Chattanooga, Tenn. Brake shoe. 1,537,911; May 12.
Wylie, William J., Columbia, Miss. Extension hitch. 1,537,213; May 12.
Yablick, Max, New York, N. Y. Indicating gas-mask canister. 1,537,519; May 12.
Yarnall-Waring Company. (See Jackson, William S., assignor.)
Yentis, Louis, and W. Lange, New York, N. Y. Lamp-shade holder. 1,537,789; May 12.
Young, Edmund J. (See Elliott, Raymond D., assignor.)
Young, Harold H. (See Chilton, R., and Young.)
Young, L. A., Industries, Inc. (See Van Orman, Bert L., assignor.)
Young, Lewis A., Bigelow, Kans. Railway signaling apparatus. 1,537,214; May 12.
Youngberg, Carl E., Seattle, Wash. Cardboard figure. 1,537,723; May 12.
Youngstown Pressed Steel Company. (See Curtis, Lewis E., assignor.)
Zaugg, Rudolf. (See Bossard, G. L., and Zaugg.)
Zehntner, Ernest, and E. Bodner, assignors to Society Durand & Huguenin S. A., Basel, Switzerland. Mordant disazodyestuffs. 1,537,571; May 12.
Zeltz, Hugo C. (See Street, James A., assignor.)
Zernik, Frans, Berlin-Wilmersdorf, Germany. Base for artificial resins, waxlike substances, and lacquers. 1,537,572; May 12.
Zimmer, Albert E., assignor to Enterprise Railway Equipment Company, Chicago, Ill. Car-door-operating mechanism. 1,537,282; May 12.
Zimmer, Meade L., Cordoba, Argentina. Internal-combustion engine. 1,537,724; May 12.
Zottoli, Salvatore S., Quincy, Mass. Imitation travertin and making same. 1,537,725; May 12.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 12TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive implement and making same. F. P. Brock. 1,537,454; May 12.
Accordions, Base-key mechanism for. J. Palmer. 1,537,185; May 12.
Acetone and butyl alcohol, Producing. G. W. Freiberg. 1,537,597; May 12.
Advertising device. W. E. Olson and A. W. Prussing. 1,537,688; May 12.
Advertising device. C. H. Perkins. 1,537,547; May 12.
Advertising display. S. Eshborn. 1,537,813; May 12.
Adding-machine, Key-control mechanism for. H. Landsiedel. 1,537,814; May 12.
Adsing machine. J. W. Warren. 1,537,905; May 12.
Agricultural machine. J. S. O'Harn. 1,537,183; May 12.
Alarm: *See*—
Burglar alarm.
Ammonia compressor. W. P. Maingault. 1,537,851; May 12.
Ammonia condenser. S. C. Seitz. 1,537,890; May 12.
Ammonium sulphate, Purification of. E. V. Evans, P. Parrish, and O. W. Weight. 1,537,815; May 12.
Amplifier systems, Protective connection for. B. G. Pohlmann. 1,537,877; May 12.
Amusement apparatus. S. J. Lubman. 1,537,940; May 12.
Amusement device. G. Amundsen. 1,537,791; May 12.
Amusement device. I. W. Bisbing. 1,537,738; May 12.
Amusement device. A. E. Lynn. 1,537,686; May 12.
Anchoring tie, Universal. J. E. Parrish. 1,537,186; May 12.
Animal trap. G. Gianoli. 1,537,763; May 12.
Animal trap. W. Stanchfield. 1,537,896; May 12.
Antiskid chains, Attaching device for. J. E. Thomas. 1,537,567; May 12.
Applicator. S. S. Misner. 1,537,257; May 12.
Arc lamps, Feeding mechanism for. M. J. Wohl. 1,537,103; May 12.
Arc-light-control device. S. M. Meyer and W. James. 1,537,854; May 12.
Arc transmission system. J. V. L. Hogan. 1,537,609; May 12.
Arch support. W. N. Sechler. Re16,068; May 12.
Armatures and the like, Testing device for. T. J. Oman. 1,537,490; May 12.
Ash gate for the fire boxes of boilers. W. J. Stoop. 1,537,093; May 12.
Auto stop governor. J. P. Rigsby and W. T. Manning. 1,537,694; May 12.
Autostop mechanism. D. C. Davis. 1,537,069; May 12.
Auto support and jack. W. M. Chapman. 1,537,800; May 12.
Automobile battery indicator. J. R. Henderson. 1,537,823; May 12.
Automobile bumper and attaching means. C. E. Krans. 1,537,478; May 12.
Automobile for exhibition purpose, Miniature. W. E. Steidner. 1,537,198; May 12.
Automobile side inclosures, Mounting for. G. E. Bishop. 1,537,522; May 12.
Automobile turning signal. A. J. Cruse, W. L. Hanscom, and B. Beckerleg. 1,537,292; May 12.
Automobiles, Auxiliary switch for the lighting systems of. E. J. French. 1,537,341; May 12.
Automobiles, Lubricating tension shackles of. F. H. Gleason. 1,537,077; May 12.
Automobiles, Safety equipment for. R. E. Parmenter. 1,537,873; May 12.
Axle generators, Mechanical drive for. L. M. Fasley. 1,537,071; May 12.
Axle stabilizer. C. E. Herman. 1,537,600; May 12.
Baby carriage. J. Hayes. 1,537,822; May 12.
Baffle plate, Lower-type. E. C. Hutchinson. 1,537,465; May 12.
Bag: *See*—
Hand bag.
Bag. F. L. Penglase. Des. 67,302–3; May 12.
Bag or the like, Hand. L. C. Asch. Des. 67,256; May 12.
Bait, Artificial. C. T. Pflueger. 1,537,261; May 12.
Bait, Weedless. D. P. Ryan. 1,537,266; May 12.
Ball. A. O. Trostel. 1,537,887; May 12.
Barrel, Burnishing. G. E. Abbott. 1,537,520; May 12.
Bar: *See*—
Sickle bar.
Bars and the like, Apparatus for and method of forming and handling sheet. W. J. Stoop. 1,537,092; May 12.
Battery cells, Assembling. R. M. Eaton, 1,537,340; May 12.
Battery container. M. Bello. Des. 67,258; May 12.
Battery-terminal connection. C. E. Callendar and J. V. Gittinger. 1,537,066; May 12.
Beam hanger. J. Lally. 1,537,834; May 12.
Bearing, Adjustable. P. Brickie. 1,537,655; May 12.
Bearing box. R. L. Neubert. 1,537,368; May 12.
Bearing, Roller side. E. W. Webb. 1,537,100; May 12.
Bearing scraper. W. L. Ellison. 1,537,423; May 12.
Bearing sleeve puller, Roller. T. Erickson. 1,537,812; May 12.
Bearings, Assembling ball. J. Diesk, jr. 1,537,590; May 12.
Bed spring. M. Lippe. 1,537,178; May 12.
Beet-topping machine. J. Scholl and J. Weiler. 1,537,707; May 12.
Belt attachment. E. S. Bate. 1,537,287; May 12.
Belt, Fan. A. L. Freedlander and W. G. Goodwin. 1,537,075; May 12.
Binder. R. W. Sellew. 1,537,502; May 12.
Binder for loose-leaf sheets, Post. J. Schade. 1,537,142; May 12.
Bird cages, Food holder for. E. C. McConnell. 1,537,615; May 12.
Blanket holder and fire extinguisher. G. C. Savage. 1,537,887; May 12.
Bolt. A. Assorati. 1,537,521; May 12.
Bombs, Drag rudder for gravity. E. A. Sperry and T. H. Phillips, jr. 1,537,713; May 12.
Boot or similar article. D. B. Abbott. Des. 67,254; May 12.
Boots and shoes, Constructing. L. L. Comeau. 1,537,400; May 12.
Boots and shoes, Lasting. E. I. La Chapelle. 1,537,120; May 12.
Bottle. P. A. Ginter. Des. 67,277–8; May 12.
Bottle. S. W. Johnson. Des. 67,284–5; May 12.
Bottle. F. R. Miller. Des. 67,294; May 12.
Bottle. F. W. Schwenck. Des. 67,311; May 12.
Bottle. G. D. Stewart. Des. 67,314–18; May 72.
Bow tie. L. Friedman. 1,537,064; May 12.
Bowl or similar article. H. W. Thomas. Des. 67,319–20; May 12.
Box: *See*—
Bearing box. Meter box.
Locomotive driving box. Salt and pepper box.
Lunch box.
Box. A. Gundlach. 1,537,821; May 12.
Box or similar article. W. Green. Des. 67,326; May 12.
Box spanner. H. J. Lee. 1,537,929; May 12.
Boxes, crates, and the like, Machine for use in making. B. J. Davidson. 1,537,926; May 12.
Brace: *See*—
Chair brace. Fender brace.
Bracket: *See*—
Garment-supporting bracket. Shade bracket.
Braiding machines, Beater device for. J. Bottenberg. 1,537,402; May 12.
Braiding machines, Knock-off device for. H. Hodgson and G. F. Reynolds. 1,537,445; May 12.
Braiding machines, Stop motion for. A. Barolet. 1,537,576; May 12.
Brake: *See*—
Recoil brake. Safety brake.
Brake. R. V. Hutchinson. 1,537,611; May 12.
Brake and brake lining. R. B. Hartman and C. S. Monson. 1,537,234; May 12.
Brake and propelling mechanism, Combination pneumatic. W. J. Laffey. 1,537,642; May 12.
Brake band and lining. R. B. Hartman. 1,537,232–3; May 12.
Brake shoe. O. B. Wunschow. 1,537,911; May 12.
Brake wheel, Hand. H. I. Wrigley. 1,537,212; May 12.
Brakes, Fluid-actuating mechanism for. L. P. Lansing. 1,537,316; May 12.
Brakes, Mechanism for the automatic regulation of the braking force of compressed-air. H. Müller. 1,537,365; May 12.
Brassière. W. Kops. 1,537,681; May 12.

Bridge cables, Laying of and seizing for suspension. H. D. Robinson. 1,537,698; May 12.
Brush and soap container, Combined shaving. G. W. Fickett. 1,537,816; May 12.
Brush or the like. H. Cave. 1,537,918; May 12.
Building column. J. Lally. 1,537,833; May 12.
Building column. J. Lally. 1,537,835; May 12.
Burglar alarm. J. D. Smith. 1,537,895; May 12.
Burner: *See*—
Gas burner. Torch burner.
Oil burner.
Burner. J. A. Sherman. 1,537,324; May 12.
Butter cutter. P. J. Pitson. 1,537,372; May 12.
Button. S. P. Wetherill, jr. Des. 67,322; May 12.
Cabinet, Coin-control towel. J. N. Borroughs. 1,537,220; May 12.
Cable guide. R. R. Morton. 1,537,545; May 12.
Cable sleeve. W. Pfannkuch. 1,537,875; May 12.
Calendar. H. E. Shedd. 1,537,891; May 12.
Camera, Photomicrographic. F. F. Lucas. 1,537,539; May 12.
Can-feeding mechanism. C. H. Ayars. 1,537,449; May 12.
Can-filling machine. A. Holmquist, sr. 1,537,170; May 12.
Can opener. H. J. Edlund. 1,537,110; May 12.
Can opener. J. E. Hoffman. 1,537,608; May 12.
Can-soldering machine. T. A. Jett. 1,537,825; May 12.
Can-top-testing machine. W. H. Stabler and W. H. Ayres. 1,537,270; May 12.
Candy shells, Making. C. R. Griffith. 1,537,669; May 12.
Canister, Indicating gas-mask. M. Yablick. 1,537,519; May 12.
Canning machinery. C. H. Ayars. 1,537,448; May 12.
Canopy. H. H. Wolter. Des. 67,323; May 12.
Car-door-operating mechanism. A. E. Zimmer. 1,537,282; May 12.
Car, Freight. C. Fowler. 1,537,162; May 12.
Car-heating system, Automatic. E. A. Russell. 1,537,141; May 12.
Car, Land, mud, and water motor. W. Luge. 1,537,319; May 12.
Carbons, Manufacture of decolorizing. O. L. Barnebey. 1,537,286; May 12.
Carburetors, Apparatus for supplying heated air to. W. C. Wright. 1,537,910; May 12.
Cards and the like, Card tray for playing. C. E. Albert. 1,537,446; May 12.
Carrier-current system. J. Mills. 1,537,255; May 12.
Cars, Means for ventilating and cooling. J. Colombo and C. Angello. 1,537,587; May 12.
Carton. J. B. Dring. Des. 67,275; May 12.
Carton holder and filler. E. J. Swift. 1,537,385; May 12.
Case: *See*—
Electrotyper's case. Vanity case.
Casket top and panel fastener. J. R. Nester. 1,537,870; May 12.
Centering device. J. G. Ritter. 1,537,696; May 12.
Centrifugal screen. P. Priem. 1,537,691; May 12.
Chain tightener or stump puller. H. M. Dixon. 1,537,070; May 12.
Chair: *See*—
Reclining chair. Stirrup chair.
Chair brace, Triangle. J. W. Wohlhieter. 1,537,400; May 12.
Chandelier. J. Novin. Des. 67,298; May 12.
Charm. I. Ornstein and J. Mevorah. Des. 67,299; May 12.
Chimney cleaner. J. G. Koudelka. 1,537,313; May 12.
Chuck, Magnetic. O. S. Walker and I. F. Williams. 1,537,633; May 12.
Cinematic actuating device for valve gears and the like. T. Lafitte. 1,537,832; May 12.
Circuit-breaker system, Automatic reclosing. A. E. Anderson. 1,537,727; May 12.
Clamp: *See*—
Column-form clamp.
Clamp. L. Pirdun. 1,537,876; May 12.
Clamp. W. Specht. 1,537,712; May 12.
Clasp: *See*—
Pocketbook clasp.
Cleaner: *See*—
Chimney cleaner. Spark-plug cleaner.
Clip: *See*—
Wire-attaching clip.
Clock, Calendar. M. Martini. 1,537,482; May 12.
Clock case and stand, Combined. P. Demetropoulos. Des. 67,274; May 12.
Clock, Electric. H. E. Warren. 1,537,395; May 12.
Clock, Toy alarm. S. C. Vincent. 1,537,390; May 12.
Cloth-folding device. C. E. Kent. 1,537,118; May 12.
Coat. T. Davis. Des. 67,273; May 12.
Coated fabric and making same. J. A. Wilson. 1,537,518; May 12.
Cock, Ball. R. A. Casarotti. 1,537,333; May 12.
Cock, Stop. W. F. Ryan. 1,537,554; May 12.
Coin-controlled lock. D. C. Morgan. 1,537,651; May 12.
Column-form clamp. C. A. Seckinger. 1,537,889; May 12.
Comb and cleaning device therefor. B. L. Wilhelm. 1,537,397; May 12.
Combination lock, Changeable-. O. Haase. 1,537,349; May 12.
Combination tool. C. H. Greene. 1,537,766; May 12.
Combining and desiccating substances. A. C. Beardslee. 1,537,060; May 12.
Compass and chronometer, Combination. S. W. Hutchison. 1,537,855; May 12.
Compressor, Centrifugal. A. A. Brooks. 1,537,656; May 12.
Concentrator, Gravity. W. G. Elms. 1,537,424; May 12.
Concrete walls, Molding device for constructing. G. D. Wilson and R. H. Gramm. 1,537,278; May 12.
Concrete work, Movable form for. O. H. Roberts. 1,537,882; May 12.
Condenser. P. Stromback. 1,537,271; May 12.
Condenser, Electrical. W. Dubilier. 1,537,660; May 12.
Condenser, Electrostatic. E. M. Tingley. 1,537,386; May 12.
Condenser unit. P. A. Bancel and J. F. Kirgan. 1,537,058; May 12.
Condenser, Variable. F. E. Stern and J. C. Randall. 1,537,561; May 12.
Cone crusher, Gyratory. E. B. Symons. 1,537,564; May 12.
Confectionery machines, Delivery apparatus for. A. L. Bausman. 1,537,914; May 12.
Connecter. F. Diehl. 1,537,160; May 12.
Connecting devices of different inpedance. D. F. Whiting. 1,537,101; May 12.
Containers, Pipe connection for. J. W. Winter. 1,537,722; May 12.
Control apparatus. L. G. Riley. 1,537,695; May 12.
Control apparatus. K. A. Simmon and H. R. Meyer. 1,537,623; May 12.
Conveyer, Apron. J. S. Herzog. 1,537,444; May 12.
Conveyer mechanism, Leer-. P. Q. Williams. 1,537,277; May 12.
Cores with strand material, Apparatus for whipping. B. K. Ford. 1,527,074; May 12.
Corrugating machine. L. Johnson and R. W. Moses. 1,537,469; May 12.
Cotton-picking machine. O. B. Winston. 1,537,102; May 12.
Counting machine, Duplex. C. H. Veeder. 1,537,512; May 12.
Coupling: *See*—
Hose coupling. Swivel coupling.
Railway-tie coupling.
Coupling and the manufacture thereof, Universal. R. J. Alpe. 1,537,790; May 12.
Coupling mechanism. J. A. Street. 1,537,629; May 12.
Crumb scraper. H. L. Briggs. Des. 67,263; May 12.
Crusher: *See*—
Cone crusher.
Crusher. A. P. and C. P. Giunta. 1,537,163; May 12.
Crushing hard materials. E. B. Symons. 1,537,565; May 12.
Crystal detector. F. Michels and A. Erisman. 1,537,856; May 12.
Cucumber-picking apparatus. L. R. Hibbs. 1,537,824; May 12.
Current system, Carrier-. H. J. Vennes. 1,537,099; May 12.
Curtain stretcher. M. J. De Grave. 1,537,754; May 12.
Cushion, Air. E. J. Glackin. 1,537,112; May 12.
Cutter: *See*—
Butter cutter.
Cutter. G. Prosser. 1,537,376; May 12.
Cutter bars, Cushioning device for. H. F. Leuck. 1,537,838; May 12.
Cutting and milling tool and manufacturing the same. B. Strauss. 1,537,381; May 12.
Danger signal. P. J. Boland. 1,537,523; May 12.
Dauber. F. Farwell. 1,537,425; May 12.
Decanting apparatus. S. L. Goldman. 1,537,598; May 12.
Dental flasks, Clamp for. W. M. Romine and W. J. Clark. 1,537,884; May 12.
Dental floss container. G. F. Miller. 1,537,253; May 12.
Dental unit. P. Russell, A. W. Schramm and R. S. Woodward, jr. 1,537,140; May 12.
Dental tweezers. T. F. Bates. 1,537,793; May 12.
Denture. W. R. Twiggs. 1,537,716; May 12.
Dial with universal connections. W. P. De Witt. 1,537,227; May 12.
Direction indicator. J. J. McDermitt and S. W. Probst. 1,537,843; May 12.
Direction indicator. H. W. Spung. 1,537,152; May 12.
Disk commutator. P. W. Prouty. 1,537,692; May 12.
Disk wheel. J. F. Wilmot. 1,537,209; May 12.
Disk wheel, Metal. E. R. Wagner. 1,537,391; May 12.
Dispatch systems, Central station for carrier-. F. G. Whittier and H. S. Thayer. 1,537,569; May 12.
Dispatch systems, Power control apparatus for pneumatic-. C. S. Jennings and C. R. Dumble. 1,537,920; May 12.
Distribution system. E. F. W. Alexanderson. 1,537,055; May 12.
Doll. E. L. Linger. Des. 67,290; May 12.
Doll, Dancing. F. B. Meehan. 1,537,484; May 12.
Door catch. H. S. Bird. 1,537,329; May 12.
Door closer. J. O. Naslin. 1,537,367; May 12.
Door-control mechanism, Multiple-unit. F. Hedley and J. S. Doyle. 1,537,442; May 12.

Doors, Counterbalancing mechanism for sectional. E. P. Haines. 1,537,300; May 12.
Dough-mixing machine. F. Nots and G. Royan. 1,537,259; May 12.
Dough-molding machine. F. X. Lauterbur. 1,537,612–14; May 12.
Drawer suspension. E. J. Card. 1,537,067; May 12.
Drawing-frame roller. L. Dunkerley. 1,537,527; May 12.
Dress. T. Davis. Des. 67,271; May 12.
Drier: *See*—
Steam drier.
Drilling apparatus, Lubricator for deep-well-. C. E. Reed. 1,537,550; May 12.
Drilling apparatus, Rotary deep-well-. C. E. Reed. 1,537,551; May 12.
Drink mixer. R. B. Gilchrist. 1,537,076; May 12.
Driving mechanism, Headstock-. C. H. Norton. 1,537,923; May 12.
Drying apparatus. B. C. Skinner. 1,537,625; May 12.
Drying rack. F. J. Lukins. 1,537,242; May 12.
Dyes, Production of vat. H. W. Stiegler. 1,537,507; May 12.
Dyestuff containing sulphur and making same, Vat. E. Hoffa and H. E. Heyna. 1,537,928; May 12.
Ebonite sheet, Producing. W. C. Geer and H. Gray. 1,537,297; May 12.
Edge trimmer for lawns. L. H. Liebacher. 1,537,537; May 12.
Egg turner. W. F. Jeans. 1,537,307; May 12.
Electric connecting plug. J. G. Peterson. 1,537,680; May 12.
Electric control system. F. Schneider. 1,537,620; May 12.
Electric-current systems, Protection of alternating-. W. Petersen. 1,537,371; May 12.
Electric detonator for use under high pressures. H. L. Grant. 1,537,668; May 12.
Electric flasher. G. L. Bossard and R. Zaugg. 1,537,796; May 12.
Electric hoists, Limit switch for. S. E. Kalbach. 1,537,774; May 12.
Electric-lighting fixtures, Insulated suspension stem for. A. W. Wellington. 1,537,635; May 12.
Electric receptacle. H. J. Morey and D. N. Thompson. 1,537,863; May 12.
Electric reel. K. Rottgardt. 1,537,702; May 12.
Electric stop motion. O. Butler, A. Morin, and C. J. Lowry. 1,537,581; May 12.
Electric switch. J. D. Hilliard. 1,537,353; May 12.
Electric switch. C. Y. Knight. 1,537,472; May 12.
Electrical apparatus. J. D. Hilliard. 1,537,352; May 12.
Electrical connections, Junction box for. A. H. Midgley. 1,537,485; May 12.
Electrical instrument. F. P. Church. 1,537,407; May 12.
Electrical instrument. W. H. Pratt. 1,537,374; May 12.
Electrical instrument, Energy-converting. C. W. Hewlett. 1,537,671; May 12.
Electrical resistance. C. E. Scott. 1,537,500; May 12.
Electrical system. C. C. Whittaker. 1,537,636; May 12.
Electrotyper's case. W. W. McCarroll. 1,537,540; May 12.
Elevator-controlling apparatus. H. B. Goldman. 1,537,078; May 12.
Elevator system. H. B. Goldman. 1,537,079; May 12.
Elevators, Safety device for. L. C. Halbin. 1,537,350; May 12.
Engine: *See*—
Internal-combustion engine. Steam engine.
Engine. J. C. Federle. 1,537,595; May 12.
Engine, Apparatus for withdrawing and reclaiming the liquid contents of the crank case of an internal-combustion. E. A. Thompson. 1,537,095; May 12.
Engine coupler and pocket therefor. A. J. Baseley and J. Willison. 1,537,451; May 12.
Engine valve. G. E. R. Rothenbucher. 1,537,701; May 12.
Engines, Lubricant-holder attachment for. H. G. Oestreicher. 1,537,131; May 12.
Engines provided with scavenging pumps, Device for regulating the pressure of the injecting air of two-stroke internal-combustion marine. H. Becker. 1,537,785; May 12.
Engines, Starting internal-combustion. R. Mayer. 1,537,128; May 12.
Equalizing attenuation. H. A. Affel. 1,537,106; May 12.
Equalizing means. E. J. Madden. 1,537,246; May 12.
Evaporating system. R. Suczek. 1,537,563; May 12.
Excavator. J. E. Schultz. 1,537,558; May 12.
Fabric, Pile. J. Gowans. Des. 67,279; May 12.
Fasteners, Machine for inserting. S. L. Gookin. 1,537,845; May 12.
Fastening device. C. C. Jensen. 1,537,678; May 12.
Faucet. W. M. Giffen. 1,537,483; May 12.
Feeding fountain for poultry. D. De Angulo. 1,537,337; May 12.
Feed machine, Dry-. F. B. Leopold. 1,537,128; May 12.
Feed-water heater. E. A. Averill. 1,537,056; May 12.
Feed-water heater. S. O. A. Fiedler. 1,538,079; May 12.
Fender brace. A. J. Mandry. 1,537,852; May 12.
Fiber-crimping machine. W. Jannell. 1,537,533; May 12.
Fibrous materials and cement, Making compositions of. G. O. Case and J. R. Garrow. 1,537,406; May 12.
Figure, Cardboard. C. B. Youngberg. 1,537,728; May 12.
Filing cabinets, Retaining device for. F. C. Smith. 1,537,894; May 12.
Firearm. G. Nicholson. 1,537,369; May 12.
Fire escape, Collapsible. A. Sperl. 1,537,506; May 12.
Fireplace heating and draft-control apparatus. J. S. Bennett. 1,537,786; May 12.
Fire-shutter mechanism, Automatic. L. Kiral. 1,537,830; May 12.
Fish bait. A. C. Bunker. 1,537,290; May 12.
Fish, Contrivance for cleaning and boning. R. Baaber, 1,537,574; May 12.
Fishing tool. W. H. Puckett. 1,537,619; May 12.
Flashing plug. C. O. Johanson. 1,537,826; May 12.
Flotation apparatus, Pneumatic. J. P. Ruth, jr. 1,537,265; May 12.
Fluid-level-feed control. O. H. Paxson, jr., and G. F. Fenno. 1,537,492; May 12.
Fluid-pressure press. J. M. F. Craven. 1,537,753; May 12.
Flush tank. T. C. Doredant and H. P. Pfeffer. 1,537,807; May 12.
Fly rejector for windows. C. Webb. 1,537,906; May 12.
Frame: *See*—
Truck side frame.
Fruit-drying device. C. W. Wells. 1,537,907; May 12.
Fruit, Method and apparatus for marking graded citrous. A. B. Hale. 1,537,603; May 12.
Fruit-polishing machine. C. Floyd. 1,537,596; May 12.
Fruit-preparing tool. C. S. Jenner. 1,537,308; May 12.
Fuel briquette. E. Piron. 1,537,190; May 12.
Furnace. J. W. Lauren. 1,537,121; May 12.
Furniture, Locking tongue for knockdown. C. P. Campbell. 1,537,459; May 12.
Fuse, Percussion. S. Wiley. 1,537,208; May 12.
Fuse, Safety. A. F. Gearhart. 1,537,296; May 12.
Game and board therefor. A. E. Pierce. 1,537,870; May 12.
Game apparatus. E. C. Easton. 1,537,809; May 12.
Game apparatus. C. D. McCarron. 1,537,648; May 12.
Game club. L. B. Spafford. 1,537,711; May 12.
Game, Football. A. T. Hansen. 1,537,605; May 12.
Game, Music-instruction. J. L. Weeks. 1,537,514; May 12.
Games of the roulette type, Apparatus for use in playing. J. J. Jarvis. 1,537,236; May 12.
Garment. J. W. Godbehere. 1,537,280; May 12.
Garment-supporting bracket. H. Holden. 1,537,463; May 12.
Garter. J. J. Blair. 1,537,157; May 12.
Garter. C. B. Namiot. Des. 67,295; May 12.
Gas-extracting apparatus. E. W. Hartman. 1,537,114; May 12.
Gas burner. C. N. Cross. 1,537,335; May 12.
Gas heater. E. S. Brown. Des. 67,265; May 12.
Gas-sample collector, Proportional-. J. R. Thompson, sr., and J. R. Thompson, jr. 1,537,568; May 12.
Gases, Liquefying. M. H. Roberts and C. C. Van Nuys. 1,537,193; May 12.
Gasoline-dispensing apparatus. T. A. Killman and C. S. Nicks. 1,537,679; May 12.
Gasket-lining apparatus. A. C. Mayer. 1,537,251; May 12.
Gauge: *See*—
Hair-bobbing gauge. Pressure gauge.
Homogenizer gauge.
Gauge cock. J. H. La Londe. 1,537,239; May 12.
Gauges, Forming slip-measuring. J. E. Sears, jr., and A. J. C. Brookes. 1,537,622; May 12.
Gear, Interchangeable-tooth segment. F. K. Schneider. 1,537,557; May 12.
Gear-lapping machine. G. C. Carhart. 1,537,582–3; May 12.
Gear-lapping machine. G. C. Carhart. 1,537,658; May 12.
Gear-lapping machine. G. W. Sponable. 1,537,626; May 12.
Gear, Transmission. F. H. Jones. 1,537,828; May 12.
Gear-Transmission. W. A. Newman. 1,537,871; May 12.
Glass articles during drawing, Cooling hollow. H. F. Clark. 1,537,462; May 12.
Glass condiment jar. R. V. Bromley. Des. 67,264; May 12.
Glass, Producing decorative effects on. W. Fox. 1,537,663; May 12.
Glass serving dish. J. Manos. Des. 67,292; May 12.
Globe, Illuminating. N. Kopp. Des. 67,288; May 12.
Glove. M. C. and J. W. Frankenstein. 1,537,429; May 12.
Glove-finger-supporting device. D. Baum. 1,537,794; May 12.
Gold protector, Uniform-. P. A. De Courcy. 1,537,294; May 12.
Golf-ball marker. J. P. Moffett. 1,537,861; May 12.
Golf club. C. W. Marsh. 1,537,320; May 12.
Golf tee. A. P. Alvord. Des. 67,255; May 12.
Governor, Gas-heater. H. W. Partlow. 1,537,134; May 12.
Grader, One-man-power. W. T Beatty. 1,537,328; May 12.
Grader, Road. J. Snyder, L. Craig, L. A. and W. E. Sullivan. 1,537,091; May 12.
Grapple. B. L. Driscoll. 1,537,421; May 12.
Grater. F. J. E. Peters. 1,537,548; May 12.

Grinding device. P. Brühl. 1,537,403; May 12.
Grinding machine, Cylinder-. J. Ballou. 1,537,217; May 12.
Grinding mill. J. M. Fleming and W. H. Barnes. 1,537,759; May 12.
Guns and rifles, Sight and barrel protector for. F. L. Wheeling. 1,537,517; May 12.
Hair-bobbing gauge. J. H. Olson. 1,537,788; May 12.
Hand bag. J. M. Schoeberl. Des. 67,310; May 12.
Hand bag. R. O. Wood. 1,537,210; May 12.
Hand guard and deciduous-tooth erupter. G. T. Epling. 1,537,811; May 12.
Handle: *See*—
Saw handle.
Tool handle.
Handle for various instruments. O. Rocco. 1,537,883; May 12.
Handy pad. F. J. Kristofek. 1,537,641; May 12.
Hanger: *See*—
Beam hanger.
Hanger basket and bracket. S. Liskow. 1,537,174; May 12.
Harrow, Pulverizing. J. W. Harris. 1,537,771; May 12.
Harvester, Attachment for bean. P. Proper. 1,537,618; May 12.
Hat, Lady's. G. Rawak. Des. 67,306–8; May 12.
Hat marking. R. K. Reynolds. 1,537,191; May 12.
Headdress. H. B. Heyman. Des. 67,282; May 12.
Headlight. O. Benson. Des. 67,269; May 12.
Headlight. E. Berg. 1,537,219; May 12.
Headlight. J. P. Carney. 1,537,332; May 12.
Headlight. H. M. Wolter. 1,537,909; May 12.
Headlight, Auto. L. Gifford, E. H. Schultz, and C. L. West. 1,537,343; May 12.
Headlight construction, Operating mechanism for dirigible. F. M. Nash. 1,537,488; May 12.
Headlight lens. L. Dufek. 1,537,526; May 12.
Headlight shield. G. De Wald. 1,537,417; May 12.
Heater: *See*—
Feed-water heater.
Vacuum-bottle heater.
Water heater.
Heater. W. A. McGlamery. 1,537,361; May 12.
Heater and meter connection, Retarded. W. S. Jackson. 1,537,677; May 12.
Heating and cooling apparatus. J. Willmann. 1,537,908; May 12.
Heating apparatus. A. C. Macbeth. 1,537,847; May 12.
Heating element. R. H. Bliss. 1,537,740; May 12.
Heating system. E. H. Gold and E. A. Russell. 1,537,298; May 12.
Helmet. J. E. Maynard. 1,537,178; May 12.
High-voltage line conductor, Stick for handling. T. F. Johnson, jr. 1,537,470; May 12.
Hinge. J. McGlashan and C. R. Swenson. 1,537,649; May 12.
Hinge. A. E. Scott. 1,537,379; May 12.
Hinge. W. E. Steele. 1,537,897; May 12.
Hinge. R. Stock. 1,537,562; May 12.
Hinge for toilet seats. M. W. Wuesthoff. 1,537,280; May 12.
Hinge, Gate. J. M. Doddridge. 1,537,420; May 12.
Hitch, Extension. W. J. Wylie. 1,537,213; May 12.
Hoist. W. E. Simpson. 1,537,624; May 12.
Holder. C. L. Stubbs. 1,537,899; May 12.
Homogenizer gauge. C. Deverall. 1,537,338; May 12.
Hook. H. Barkmann. 1,537,730; May 12.
Hook and eye tape. D. Marinsky. 1,537,250; May 12.
Horse collar, Adjustable. J. H. Leemans and S. L. Groenewoud. 1,537,122; May 12.
Hose coupling, Train-pipe-. E. A. Russell. 1,537,705; May 12.
Hose couplings, Spanner for. C. Nuhring. 1,537,872; May 12.
Hose pipes to water taps, Device for connecting. H. L. A. Bunbury. 1,537,797; May 12.
Hose reel, Self-reeling. C. A. Jarvis. 1,537,637; May 12.
Hulling machine. J. A. Hacker. 1,537,602; May 12.
Humidifier. A. E. Burdin. 1,537,085; May 12.
Humidifier. B. M. Mills. 1,537,650; May 12.
Humidor. A. T. Smith. 1,537,090; May 12.
Hydrocarbons, Cracking. W. L. Gomory. 1,537,764; May 12.
Ice-cream apparatus, Draw-off valve for. H. J. Ayers. 1,537,284; May 12.
Ice-cream cones, Apparatus for the manufacture of. H. L. Bowdoin. 1,537,453; May 12.
Ice, Manufacturing. O. Luhr. 1,537,646; May 12.
Ignition apparatus. H. E. Rice. 1,537,263; May 12.
Ignition device, Electrical. J. Berg. 1,537,577; May 12.
Ignition of explosion motors, Connection for the. E. von Lepel. 1,537,903; May 12.
Ignition pellets having a combustible core and an ignition material which may be kindled on a friction surface, Apparatus for the manufacture of. H. Grossmann. 1,537,848; May 12.
Illuminating device for relatively long and narrow objects or surfaces. S. A. Selling. 1,537,151; May 12.
Indicator: *See*—
Battery indicator.
Direction indicator.
Traffic indicator.
Incandescent-arc device. G. Klahre. 1,537,680; May 12.
Incinerator. S. A. Dugan. 1,537,422; May 12.
Indicator. H. Friedman. 1,537,295; May 12.
Information-dispensing set. K. G. Karsten. 1,537,640; May 12.
Inkstand. F. A. Weeks. 1,537,718; May 12.
Insect destroyer. E. A. Smith. 1,537,893; May 12.
Insect exterminator. D. H. Woodward and J. S. Chambers. 1,537,570; May 12.
Insomnia, Means for overcoming. A. O. Darling. 1,537,414; May 12.
Internal-combustion engine. D. Cole. 1,537,748; May 12.
Internal-combustion engine. J. Davidson. 1,537,805; May 12.
Internal-combustion engine. H. A. Hall. 1,537,351; May 12.
Internal-combustion engine. I. J. Kelly and H. W. Smith. 1,537,775; May 12.
Internal-combustion engine. W. W. Macfarren. Re10,069; May 12.
Internal-combustion engine. T. J. Maloney. 1,537,243; May 12.
Internal-combustion engine. G. Mellen. 1,537,616; May 12.
Internal-combustion engine. A. E. Osborn. 1,537,540; May 12.
Internal-combustion engine. M. L. Zimmer. 1,537,724; May 12.
Iron or steel, Removing nonmetallic inclusions from. H. C. Sicard. 1,537,709; May 12.
Jig, Riveting. L. Schott. 1,537,268; May 12.
Joint: *See*—
Roadway joint.
Universal joint.
Joint or coupling for posts. O. Schubert. 1,537,197, May 12.
Key rings, Pencil-holding device for. C. M. Rice 1,537,192; May 12.
Knitting needles, Attachment for. D. Gencse. 1,537,762; May 12.
Lace. M. H. Daudy. Des. 67,269–70; May 12.
Lace. G. Radford. Des. 67,304; May 12.
Lace. H. Seel. Des. 67,312; May 12.
Lace. B. C. Seligman. Des. 67,313; May 12.
Lace, Producing leaflike figure work in braided. E. Büsebeck and E. Türck. 1,537,510; May 12.
Lamp. R. W. Bock. Des. 67,261; May 12.
Lamp, Ceiling. G. J. Klein. Des. 67,286–7; May 12.
Lamp, Dirigible road. J. P. Everett. 1,537,161; May 12.
Lamp, Electric. J. Sheedy. 1,537,504; May 12.
Lamp, Electric. W. H. Spencer. 1,537,200; May 12.
Lamp-shade holder. L. Yentis and W. Lange. 1,537,789; May 12.
Lamp, Table. H. H. Wolter. Des. 67,325; May 12.
Lamp, Vehicle. W. J. Pike. 1,537,494; May 12.
Lamps, Stand for bridge. H. H. Wolter. Des. 67,324; May 12.
Lamps, Support for automobile. J. J. Gough. 1,537,495; May 12.
Lapping machine. H. L. Nicholson. 1,537,182; May 12.
Last. G. Clausing. 1,537,747; May 12.
Last. C. M. Pearl. 1,537,621; May 12.
Latch. R. I. Graf. 1,537,426; May 12.
Lath, Expanded-metal. L. E. Curtis. 1,537,588; May 12.
Lathe, Combined turning and milling. F. B. Cockburn. 1,537,801; May 12.
Leather-making device. M. Rotunno. 1,537,552; May 12.
Lead pencil. C. O. Gronberg. 1,537,768; May 12.
Leers, Tilting table for. L. R. Schmerts and L. A. Gessner. 1,537,498; May 12.
Legging, Adjustable waterproof. W. T. McElwee. 1,537,845; May 12.
Lens-grinding tools, Apparatus for forming. C. L. Bausch. 1,537,059; May 12.
Lever. D. W. Peck and R. D. McAllister. 1,537,135; May 12.
License plate, Illuminated. C. C. Douglas. 1,537,808; May 12.
Lifter: *See*—
Valve lifter.
Lifting apparatus. P. Erickson. 1,537,757; May 12.
Light for vehicle curtains. W. K. Bishop. 1,537,739; May 12.
Lighting fixture. E. A. Koenig. 1,537,831; May 12.
Lighting fixtures, Attaching bracket for. J. L. Oedinger. 1,537,780; May 12.
Lighting-fixture support. J. Velcio. 1,537,098; May 12.
Liner machine. C. E. Colgrove. 1,537,749; May 12.
Liquid break switch, High-tension. N. J. Conrad. 1,537,750; May 12.
Liquid dispenser. G. Wollenweber. 1,537,704; May 12.
Liquids by a multilift uniflow airlift system, Method of and apparatus for elevating. E. M. Rogers. 1,537,264; May 12.
Liquids, Installation for separation of. S. Karpinsky and J. S. Anderson. 1,537,471; May 12.
Liquids to remove or recover substances therefrom, Treating. W. A. Patrick. 1,537,260; May 12.
Liquors, Producing nearly nonalcoholic. J. F. Meyer and H. Lücker. 1,537,252; May 12.
Loading machine, Manure-. M. H. Mulkin. 1,537,652; May 12.
Lock: *See*—
Coin-controlled lock.
Combination lock.
Manifold lock.
Nut lock.
Nut and bolt lock.
Sash lock.
Lock. F. Petrosky. 1,537,874; May 12.

Locomotive driving box. J. G. Blunt. 1,537,061–2; May 12.
Loom attachment. R. N. Reynolds and T. F. Dougherty. 1,537,881; May 12.
Looms, Automatic weight-rope-releasing attachment for. J. A. Hannigan. 1,537,604; May 12.
Looms, Feeler mechanism for. E. S. Stimpson. 1,537,714; May 12.
Loose-leaf binder. H. S. Horn. 1,537,675; May 12.
Loose-leaf holder. J. L. Garfield. 1,537,666; May 12.
Loud speaker. S. Hajdukovitch. Des. 67,280; May 12.
Loud-speaker circuit. W. H. Martin. 1,537,126; May 12.
Luminous decorative material and the manufacture of same, Self-. G. Liedtke. 1,537,777; May 12.
Lunch box, Folding. W. J. Gassett. 1,537,760; May 12.
Magnesium chloride, Making. R. C. Lord. 1,537,479; May 12.
Magneto machines, Interrupter for. G. Hunter. 1,537,460; May 12.
Make-up rotary. E. E. Greve. 1,537,438; May 12.
Manifold lock. D. R. Cox and D. A. Kinnie. 1,537,411; May 12.
Map, Road. H. E. Watson. 1,537,634; May 12.
Massage device. F. C. Bohm. 1,537,795; May 12.
Measuring apparatus, Electrical. F. Wunsch. 1,537,281; May 12.
Meat-slicing machine. J. A. Burgers. 1,537,746; May 12.
Mercury switch. R. D. Malley. 1,537,921; May 12.
Metal article, Composite-. D. Basch. 1,537,731; May 12.
Metal articles, Apparatus for straightening. C. A. Seley and M. M. McCallister. 1,537,501; May 12.
Metal blanks, Manufacture of. H. Lohmann. 1,537,839; May 12.
Metal form construction. H. M. Gersman. 1,537,229; May 12.
Meter box. C. R. and W. E. Smith. 1,537,825; May 12.
Meter casing. C. M. Hoeftman. 1,537,607; May 12.
Milk-bottle holder. F. C. Panther. 1,537,617; May 12.
Mill: *See*—
Grinding mill.
Mill screw-down. H. A. Lewis. 1,537,240; May 12.
Mirror backs, Protecting plate for. N. T. Albright. 1,537,054; May 12.
Mirror, Two-way oscillating. C. F. Jenkins. 1,537,087; May 12.
Mirrors, Attachment for head. G. M. Maxwell. 1,537,922; May 12.
Mixer: *See*—
Drink mixer.
Mold: *See*—
Parison mold.
Sole mold.
Mold. G. S. Hunt. 1,537,803; May 12.
Moldboard. A. Stone. 1,537,898; May 12.
Mold sander. R. P. M. Davis. 1,537,225; May 12.
Molded receptacles, Metallic rim for. R. S. Grogan. 1,537,600; May 12.
Molding articles, Apparatus for. T. C. Roberts. 1,537,697; May 12.
Molds, Jacket for sand. S. P. Greene. 1,537,299; May 12.
Monogram panel. L. Mayer. 1,537,321; May 12.
Monument. E. G. Ladewich. Des. 67,289; May 12.
Mop. C. N. Justice. 1,537,309; May 12.
Mordant disazodyestuffs. E. Zehntner and E. Bodmer. 1,537,571; May 12.
Motor: *See*—
Tide motor.
Motor, Alternating-current commutator. S. R. Bergman. 1,537,737; May 12.
Motor-control system. E. M. Bouton. 1,537,578; May 12.
Motorcycle. C. A. Neracher. Des. 67,297; May 12.
Motor-driven systems, Speed control for. F. B. Olson. 1,537,132; May 12.
Motors, Control system for adjustable speed. A. C. Prescott and W. C. Plumer. 1,537,875; May 12.
Mower, Lawn. A. B. Case. 1,537,917; May 12.
Mower, Lawn. M. F. Crosby. 1,537,804; May 12.
Mower, Lawn. M. I. Magoon. 1,537,850; May 12.
Multiplex systems, Repeater for. H. A. Affel. 1,537,283; May 12.
Musical instruction, Appliance for. J. F. Mann. 1,537,125; May 12.
Musical top. A. Korona. 1,537,812; May 12.
Necktie slip. A. Hofstetter. 1,537,115; May 12.
Net, Trailing. R. de Boer and H. W. de Voogt. 1,537,416; May 12.
Nonskid chains, Device for applying. W. F. Staggers and C. Sander, jr. 1,537,559; May 12.
Nozzle cover, Exhaust-. H. A. Campbell. 1,537,331; May 12.
Nozzle holder. J. D. Kaestner. 1,537,237; May 12.
Nut. A. E. Bronson. 1,537,064; May 12.
Nut and bolt lock. J. Grimm. 1,537,819; May 12.
Nut lock. G. Lipke. 1,537,478; May 12.
Oil and air pumping system. W. L. Morris. 1,537,687; May 12.
Oil burner. J. and L. A. Bianchi. 1,537,289; May 12.
Oil, Cracking. G. Egloff. 1,537,593; May 12.
Oil-flow tank. O. A. Peters. 1,537,189; May 12.
Ointment chiropractor. O. H. Hummel, jr. 1,537,464; May 12.
Ophthalmic mounting. E. J. R. Beattey. 1,537,733; May 12.
Ophthalmic mounting. W. H. Boutelle. 1,537,107; May 12.
Optical washer and screw. C. Nobs, jr. 1,537,489; May 12.
Ore detector. H. T. F. Lundberg and H. J. H. Nathorst. 1,537,360; May 12.
Ore pulverizer. G. E. C. Rousseau. 1,537,377; May 12.
Ores, concentrates, sands, and other materials carrying values, Treating. L. W. Austin. 1,537,215; May 12.
Overshoe, Rubber. B. R. Nyhagen. 1,537,778; May 12.
Pad: *See*—
Handy pad.
Painting device, High-pressure. J. C. Temple. 1,537,566; May 12.
Pans and covers, Holder for. R. A. Kottke. 1,537,172; May 12.
Paper. A. M. Chalmers. Des. 67,268; May 12.
Paper machines, Drier for. F. W. Aucutt. 1,537,792; May 12.
Paper machines, Press roll for. C. R. Griffith. 1,537,439; May 12.
Paper-roll holder. N. S. Hillyard. 1,537,673; May 12.
Paper rolls, Saw for cutting. W. B. Giles. 1,537,344; May 12.
Paper, Wall. R. F. Hobbs. Des. 67,283; May 12.
Parison mold. E. Miller. 1,537,257; May 12.
Pen, Fountain. J. J. Devine. 1,537,806; May 12.
Pens with metal casings, Lever filler for fountain. W. P. De Witt. 1,537,226; May 12.
Perch and trap, Combined. G. Ischenhouser. 1,537,086; May 12.
Perforating machine. N. S. Welk and A. B. Roe. 1,537,516; May 12.
Pharmaceutical compound consisting of the magnesium-vanadium salt of triglycollamic acid. H. Hahl and W. Kropp. 1,537,441; May 12.
Phonograph. H. J. Kaye. 1,537,171; May 12.
Phonograph attachment. W. J. Madole. 1,537,849; May 12.
Phonographs, Automatic stop for. W. Ries. 1,537,323; May 12.
Photographic images, Coloring or dyeing. P. D. Brewster. 1,537,524; May 12.
Photography, Apparatus for taking the color-component negatives for multicolor. J. Mróz. 1,537,868; May 12.
Pianoforte agraffe. W. M. Bauer. 1,537,913; May 12.
Pianos and like instruments, Action mechanism for. J. T. Rydberg. 1,537,885; May 12.
Picture-film container, Moving-. H. C. Schlicker. 1,537,196; May 12.
Picture shutter, Moving-. C. J. Lang. 1,537,315; May 12.
Pilaster. F. E. Litchfield. Des. 67,291; May 12.
Pipe: *See*—
Tobacco pipe.
Pipe fitting, Union. F. J. Dowling. 1,537,755; May 12.
Pipe puller. E. Gray. 1,537,165; May 12.
Pipe strap end, Conductor-. P. H. McKee. Des. 67,293; May 12.
Pipe-threading mechanism. H. D. Pennington. 1,537,493; May 12.
Piston. R. Chilton and H. H. Young. 1,537,525; May 12.
Piston. F. H. Frue. 1,537,665; May 12.
Piston. E. Talbot. 1,537,900; May 12.
Piston. R. R. Teetor. 1,537,681; May 12.
Piston, Machine with free-flying. J. Babin. 1,537,450; May 12.
Piston ring. M. E. Sipe. 1,537,787; May 12.
Piston-ring-applying machine. C. E. Johnson. 1,537,773; May 12.
Piston tool. A. S. Haislip. 1,537,769; May 12.
Planing machine. F. Schuldes. 1,537,143; May 12.
Plaster, Expansion corner for. A. Fischer. 1,537,758; May 12.
Plate-marking device. E. H. Walsh. 1,537,393; May 12.
Plate or similar article. L. H. Bown. Des. 67,262; May 12.
Plate or similar article. S. Haslam. Des. 67,281; May 12.
Plow, Reversible. J. W. McCarty. 1,537,841; May 12.
Plug, Multiple. F. H. Graham. 1,537,081; May 12.
Pocketbook clasp. L. S. Mitchell. 1,537,256; May 12.
Posting stand. C. R. Hadley. 1,537,166; May 12.
Poultry-nest trap. D. W. Evans. 1,537,814; May 12.
Power-transmission mechanism. A. P. Hay. 1,537,235; May 12.
Power-transmitting mechanism. K. Davis. 1,537,415; May 12.
Press: *See*—
Fluid-pressure press.
Tie press.
Pressing and starching implement. L. Black. 1,537,916; May 12.
Pressure gauge. J. R. Padesky. 1,537,184; May 12.
Pressure regulator. J. Rumpf. 1,537,704; May 12.
Printing machines, Delivery mechanism for. T. F. Elsworth, F. W. Wright, and P. Harker. 1,537,594; May 12.
Printing plates, Making molds for producing. L. Cates. 1,537,461; May 12.
Printing-press feeder, Automatic. J. L. Gideon. 1,537,432; May 12.
Printing presses, Ink heater for. D. V. La Mott and C. J. Doggett. 1,537,476; May 12.

Printing presses, Paper ejector for. C. L. Low. 1,537,645; May 12.
Printing presses, Printing-ribbon-winding mechanism for. C. L. Low. 1,537,644; May 12.
Projecting apparatus. C. A. Nash. 1,537,654; May 12.
Propellers, Controlling or regulating device for. L. Blumschein. 1,537,401; May 12.
Protective screen. D. S. Bagby. 1,537,216; May 12.
Puller: *See*—
Bearing-sleeve puller. Well-casing puller.
Pipe puller.
Pulp solutions, Apparatus for filtering and for forming articles from. O. J. Salisbury. 1,537,195; May 12.
Pulveriser. H. C. De Weese. 1,537,418; May 12.
Pump, Centrifugal. V. Rosenhagen. 1,537,700; May 12.
Pump, Dumping sand. F. Swan. 1,537,201; May 12.
Puzzle. J. G. Portteus. 1,537,373; May 12.
Rack: *See*—
Drying rack.
Radiator. S. W. Rushmore. 1,537,553; May 12.
Radiator cap. A. T. Mills. 1,537,254; May 12.
Radiator shield. F. Blakeman. 1,537,452; May 12.
Radio-frequency transformer. S. Cohen. 1,537,224; May 12.
Radio receiving device. W. Lytton. 1,537,124; May 12.
Radiotelephone receiver. E. W. Nielsen. 1,537,322; May 12.
Rail-holding device. P. Kriesel. 1,537,474; May 12.
Railway crossing with center supports. W. T. McNinch. 1,537,245; May 12.
Railway rails, Rail anchor for. J. A. Hyle. 1,537,676; May 12.
Railway rolling stock, Brake for. E. S. Swartzbaugh. 1,537,204; May 12.
Railway signaling apparatus. L. A. Young. 1,537,214; May 12.
Railway spike. J. Hojnowski. 1,537,302; May 12.
Railway-tie coupling. W. R. Gorrell and H. Barkschat. 1,537,346; May 12.
Railway-traffic-controlling apparatus. S. J. Turreff. 1,537,274; May 12.
Railway vehicles, Buffing and draw gear for. M. Alma. 1,537,726; May 12.
Ratchet mechanism. C. F. M. van Berkel. 1,537,717; May 12.
Reclining chair. D. Becke. 1,537,734; May 12.
Recoil brake. F. R. Wallace and L. Tabor. 1,537,392; May 12.
Redecoration process. C. S. Sinclair. 1,537,146; May 12.
Reel: *See*—
Electric reel. Hose reel.
Reel. G. E. Bull. 1,537,458; May 12.
Refrigerator. W. P. Willson. 1,537,398; May 12.
Refrigerator, Electric household. M. S. Groh. 1,537,601; May 1.
Refrigerator locks, Keeper for. A. Rubin. 1,537,703; May 12.
Refrigerator, Tourists flexible. F. M. Kandle. 1,537,829; May 12.
Regulator: *See*—
Pressure regulator.
Regulator system. E. E. Lehr. 1,537,643; May 12.
Resins, waxlike substances, and lacquers, Base for. F. Zernik. 1,537,572; May 12.
Rim fastener, Demountable-. F. W. French. 1,537,430; May 12.
Rim tool. W. Frick and F. Klima. 1,537,342; May 12.
Ring: *See*—
Piston ring.
Ring. I. Ornstein and J. Mevorah. Des. 67,300; May 12.
Ring and making same. F. A. Croselmire. 1,537,068; May 12.
Ring for expansible tools, Clamping. F. Swan. 1,537,202; May 12.
Rivet-scaling tool. G. Annesley. 1,537,057; May 12.
Riveting device. G. Huber. 1,537,610; May 12.
Roadway joint. B. Briody. 1,537,063; May 12.
Robe and making same, Travel. M. Q. Keplinger. 1,537,119; May 12.
Robe, Motor. H. Teagle. 1,537,630; May 12.
Rock-drill steels, Combined centralizer and retainer for. C. C. Hansen. 1,537,083; May 12.
Roller: *See*—
Drawing-frame roller.
Roundabout. J. A. Fisher. 1,537,427; May 12.
Roundabout. A. Kudler. 1,537,475; May 12.
Rubber and the like, Vulcanizing. T. W. Miller. 1,537,858–9; May 12.
Rubber articles such as nipples, finger cots, bulbs, and the like, Apparatus for making hollow. T. W. Miller. 1,537,860; May 12.
Rubber-block connections, Housing for. A. F. Masury and A. H. Leipert. 1,537,127; May 12.
Rubber composition. F. J. Maywald. 1,537,483; May 12.
Rubber goods, Making patches for. H. A. Morton. 1,537,865; May 12.
Rubber heels, Cap for. J. Geisman. 1,537,761; May 12.
Rubber, Manufacture of sheet. H. A. Morton. 1,537,866; May 12.
Ruling and head-printing machine, Combined. M. Müller. 1,537,180; May 12.
Safety brake, Automatic. F. L. McCarty and A. R. Andersen. 1,537,541; May 12.
Safety switch. O. T. Sweet. 1,537,272; May 12.
Salt and pepper box. G. Olson. 1,537,782; May 12.
Saltcellar or similar article. H. Negbaur. Des. 67,296; May 12.
Sash lock, Window-. P. J. O'Brien. 1,537,779; May 12.
Saw handle. G. B. Copley. 1,537,108; May 12.
Sawing mechanism, Power-operated. E. Nixon. 1,537,130; May 12.
Saw mechanism, Trimmer-. G. Graffinberger. 1,537,437; May 12.
Sawmill carriage. J. S. Reid. 1,537,880; May 12.
Saw-setting device. J. Kemper. 1,537,357; May 12.
Scales, Check-link mechanism for weighing. H. O. Hem. 1,537,169; May 12.
Scraper and dumping device, Combined. I. E. Burkett. 1,537,580; May 12.
Screen: *See*—
Centrifugal screen. Protective screen.
Screens, Awning attachment for window. C. Figenbaum. 1,537,817; May 12.
Screw socket for the necks of flexible containers. J. E. Abler. 1,537,447; May 12.
Seal. S. W. Treat. 1,537,715; May 12.
Seal. E. Tyden. 1,537,097; May 12.
Sealing head. J. A. Johnson. 1,537,468; May 12.
Sealing means. E. J. Brooks. 1,537,741; May 12.
Searchlights, Positioning mechanism for. T. Hall. 1,537,770; May 12.
Seats, Cooling-fan attachment for cushion. J. D. Campbell and W. T. Tucker. 1,537,460; May 12.
Serving to a core, Method of and apparatus for applying a. A. F. Bandur. 1,537,575; May 12.
Sewing-machine-belt package and manufacture. G. A. Carlson. 1,537,585; May 12.
Shackle, Self-adjusting. H. I. Stengel. 1,537,153; May 12.
Shade and curtain bracket, Adjustable. B. L. Rains. 1,537,497; May 12.
Shade bracket, Adjustable window-. P. J. Garrett. 1,537,431; May 12.
Sharpener, Pencil. J. C. Wangen. 1,537,394; May 12.
Sheet-folding machine. E. D. Rader. 1,537,693; May 12.
Shelf support, Metal. J. Schafer. 1,537,267; May 12.
Shell, Shotgun. W. F. Couter. 1,537,291; May 12.
Shock absorber. J. Hoffman. 1,537,301; May 12.
Shoe. T. Davis. Des. 67,272; May 12.
Shoe, Turn. M. L. Dodge. 1,537,419; May 12.
Shoes, Machine for reinsting. E. I. La Chapelle. 1,537,683; May 12.
Shut-off, Automatic. S. L. Bell. 1,537,915; May 12.
Sickle bar. C. F. Hover. 1,537,854; May 12.
Sieve, Wheat and flax. C. Ulfseth. 1,537,511; May 12.
Sign, Advertising. O. W. Wentz. 1,537,788; May 12.
Signal: *See*—
Automobile turning signal. Speed signal.
Danger signal.
Signal device. T. J. King. 1,537,311; May 12.
Signal for road and street crossings, Train-actuated. S. Pavillard. 1,537,187; May 12.
Signal light. W. E. Busch, jr. Des. 67,267; May 12.
Signal means. W. Grah. 1,537,080; May 12.
Signaling by high-frequency waves. F. W. Krans. 1,537,535; May 12.
Signaling system. J. H. Wootton. 1,537,211; May 12.
Signaling system, Multiplex. W. V. Wolfe. 1,537,154; May 12.
Signaling system. P. B. Murphy. 1,537,655; May 12.
Sleeve contractor. A. Raffay. 1,537,549; May 12.
Slitters, Side-gauge-locking device for. H. Banke. 1,537,285; May 12.
Sludge, Apparatus for dewatering. C. R. Grimth. 1,537,818; May 12.
Smelting furnaces, Device for plugging. F. Tharaldsen. 1,537,901; May 12.
Snap fastener. G. H. Elwell. 1,537,810; May 12.
Sod, Machine for cutting. C. F. Dafferner. 1,537,412; May 12.
Sole mold, Shoe-. E. I. La Chapelle. 1,537,684; May 12.
Soles, Making spring-heel shoe. J. F. O'Sell. 1,537,092; May 12.
Sound receivers, particularly for receiving sound waves in liquids. H. Lichte. 1,537,930; May 12.
Spark plug. W. W. Woodroof. 1,537,105; May 12.
Spark-plug cleaners. K. F. Triggs. 1,537,902; May 12.
Spark plug, Self-cleaning. A. Champion. 1,537,586; May 12.
Sparks, Arrangement for suppressing. L. Schön. 1,537,378; May 12.
Specific-gravity tester. O. O. R. Schwidetsky. 1,537,888; May 12.
Speedometer-testing machine. W. F. Miller. 1,537,486; May 12.
Speed-regulator system. S. A. Staege. 1,537,627; May 12.
Speed signal. H. E. Mason. 1,537,364; May 12.
Spinning machine. C. S. Forsaith. 1,537,111; May 12.
Spinning machines, Thread-breaking device for. P. Q. and E. A. Hartman. 1,537,531–2; May 12.
Splitting buck. G. C. Ressler. 1,537,924; May 12.
Spoke-turning machine, Automatic. H. Flick. 1,537,661; May 12.

Spout and housing. A. Rogers. 1,537,194; May 12.
Spout and shaker for cans or boxes, Combined dispensing. F. H. Cogswell. 1,537,408; May 12.
Sprayer. M. F. Langworthy. 1,537,776; May 12.
Spring: *See*—
Bed spring.
Spring wheel. N. M. Herrera. 1,537,443; May 12.
Spring-winding machine. F. K. Solliday. 1,537,150; May 12.
Stamp affixer. A. Golden and E. M. Potter. 1,537,667; May 12.
Stand: *See*—
Posting stand.
Steam drier. R. S. Portham and A. E. Tompkins. 1,537,890; May 12.
Steam engine. A. T. Smith. 1,537,892; May 12.
Steam lines, Graphite lubricator for. H. Howlett. 1,537,116; May 12.
Steels, Roller guide for channeling. C. C. Hansen. 1,537,084; May 12.
Steering gears, Cross tube for. L. R. Buckendale. 1,537,330; May 12.
Steering stabiliser. W. J. MacLellan. 1,537,362; May 12.
Steering wheel. C. P. Nellis. 1,537,258; May 12.
Stencil marker. W. P. Ladd. 1,537,685; May 12.
Stirrup chair. H. S. Rockwell. 1,537,699; May 12.
Stool, Ladder. G. H. Bugenhagen. 1,527,221; May 12.
Stopper. W. W. Simonson and L. V. D. Blair. 1,537,786; May 12.
Strainer. J. E. Johnson. 1,537,827; May 12.
Stove, Gas. M. A. Possons. 1,537,496; May 12.
Stud. F. S. Carr. 1,537,798; May 12.
Sugar bowl, Sanitary. R. A. Courtney. 1,537,410; May 12.
Sunbonnet and house cap, Combination. G. B. Cookson. 1,537,751; May 12.
Surface-treating tool. L. S. Lartigue. 1,537,358; May 12.
Swingspout attachment for containers. O. N. Wiswell. 1,537,399; May 12.
Switch: *See*—
Electric switch. Safety switch.
Liquid break switch. Time switch.
Mercury switch.
Switch. D. B. Stuckey. 1,537,383; May 12.
Switch frog. J. P. Swift. 1,537,508; May 12.
Switch-point assembly. S. M. Lauter. 1,537,836; May 12.
Switching equipment, Automatic. B. S. Weinfield. 1,537,719; May 12.
Swivel connection. L. E. Parker. 1,537,785; May 12.
Swivel coupling. J. M. Johnson. 1,537,039; May 12.
Synchronism, Device for detecting. C. F. Jenkins. 1,537,088; May 12.
Syringe. L. E. Poirier. 1,537,878; May 12.
Table: *See*—
Viscera-instruction table.
Table. A. H. Stringe. 1,537,382; May 12.
Table and luggage carrier, Combined folding. M. Fisher. 1,537,428; May 12.
Table and wardrobe, Combination dressing. G. H. Blackstone and E. E. Silvey. Des. 67,260; May 12.
Tacking and barring machine. E. B. Allen. 1,537,155; May 12.
Tamper and like impact tools. C. Jackson. 1,537,304; May 12.
Tank: *See*—
Flush tank. Oil-flow tank.
Tank conveyer, Scalding-. O. G. Mayer. 1,537,543; May 12.
Tape-pasting device. C. J. Walbran. 1,537,904; May 12.
Telegraph, Facsimile. L. Tscherner and N. Sandor. 1,537,205; May 12.
Telegraphic receiving system. O. Krause. 1,537,682; May 12.
Telegraphy. W. M. Bruce, jr. 1,537,742–4; May 12.
Telegraphy, Printing. W. M. Bruce, jr. 1,537,745; May 12.
Telephone attachment. H. F. Stillson. 1,537,280; May 12.
Telephone-exchange system, Automatic. O. Kirby. Re16,070; May 12.
Telephone-mouthpiece attachment. G. H. Sackl. 1,537,886; May 12.
Telephone repeater, Reciprocal. W. Ohnesorge. 1,537,781; May 12.
Telephone switchboard. J. H. Levis, jr. 1,537,817; May 12.
Telephone system. J. Davidson, jr. 1,537,109; May 12.
Telephone system, Automatic. E. Jacobsen. 1,537,306; May 12.
Telephone system, Automatic. J. Wicks. 1,537,721; May 12.
Telephone system, Measured-service. R. L. Quass. 1,537,137; May 12.
Telephone systems, Make-busy scheme for. B. D. Willis. 1,537,326; May 12.
Telephones, Receiver support for. G. Hitzler. 1,537,772; May 12.
Telephonic apparatus, Loud-speaking. E. A. Graham. 1,537,347; May 12.
Tellurion and clock case, Combined. M. Bellegay. Des. 67,257; May 12.
Temple. E. L. Schumacher and L. Poston. 1,537,144; May 12.
Testing ribbons and carbon paper, Machine for. J. A. L. Möller. 1,537,179; May 12.
Thermionic effects, Apparatus for producing. C. D. Ehret. 1,537,528; May 12.
Thrasher. W. Jacobs. 1,537,305; May 12.
Ticket holder. H. McCaghren. 1,537,244; May 12.
Tide motor. C. F. Stegmeier. 1,537,560; May 12.
Tie: *See*—
Anchoring tie. Bow tie.
Tie press. S. Mossbacher. 1,537,867; May 12.
Tie spool. H. E. Fisk. 1,537,073; May 12.
Tiltable bed, truck, and shiftable crane. D. C. Bryan. 1,537,457; May 12.
Timer. A. W. McCalmont and F. Briscoe. 1,537,647; May 12.
Time switch, Electric. T. J. H. Peirce. 1,537,136; May 12.
Tire holder. P. C. Thompson. 1,537,096; May 12.
Tire holder and tool box, Combined. A. Malloy. 1,537,247; May 12.
Tire meter and driving mechanism for such instruments and the like. W. P. Hammond. 1,537,670; May 12.
Tire, Resilient. A. W. Lees and J. J. Sokol. 1,537,536; May 12.
Tire shield. E. L. Nash. 1,537,366; May 12.
Tire traction and nonskid-chain lug. E. B. Graves. 1,537,231; May 12.
Tire tread. J. A. Scheid. Des. 67,309; May 12.
Toaster. E. D. Schmidt. 1,537,499; May 12.
Tobacco pipe. N. N. Rankow. 1,537,138; May 12.
Toe puff, stiffener, insole, and like parts for boots and shoes. D. B. Macdonald. 1,537,848; May 12.
Tongue attachment. A. Mather. 1,537,542; May 12.
Tool, Combination. L. A. Burch. 1,537,857; May 12.
Tool handle. S. R. Enberg. 1,537,529; May 12.
Tool holding and driving mechanism. J. A. Street. 1,537,628; May 12.
Toothbrush, Folding. A. G. Ingle. 1,537,467; May 12.
Tooth-cleaning device. S. Mason. 1,537,853; May 12.
Top, Spinning. B. Cluse. 1,537,334; May 12.
Torch burner, Flame-straightening. O. J. Groehn. 1,537,599; May 12.
Torch, Cutting and welding. J. D. McCutcheon. 1,537,481; May 12.
Toy. A. V. Da Costa. 1,537,293; May 12.
Toy, Figure. H. H. Martin. 1,537,363; May 12.
Toy, Figure. A. W. Tupper. 1,537,509; May 12.
Toy, Musical. J. Bartolowsky. 1,537,218; May 12.
Towing pole. R. E. Manley. 1,537,249; May 12.
Track wrench. F. A. Jimerson. 1,537,089; May 12.
Traction wheel. C. M. Palmer. 1,537,491; May 12.
Tractors, Attachment for. J. W. Liedorff. 1,537,241; May 12.
Traffic signal, Street. F. Buchanan. Des. 67,266; May 12.
Trailer, Short-turn. J. M. Eadie and O. P. Liebreich. 1,537,339; May 12.
Transformer. L. F. Blume. 1,537,027; May 12.
Transformer, Incased. E. D. Eby. 1,537,756; May 12.
Transforming a displacement of a member into an inversely-proportional displacement of another member, Mechanism for. A. Castellani. 1,537,222; May 12.
Transmission and clutch, Fluid-pressure. F. Ingemarson. 1,537,085; May 12.
Transmission cases, Lubricating attachment for. G. W. and G. P. Cummings. 1,537,159; May 12.
Transmission device. C. W. Weiss. 1,537,515; May 12.
Transmission gear, Auxiliary. E. J. Gould. 1,537,434; May 12.
Transmission gearing, Shifting-rod lock for. G. C. Carhart. 1,537,584; May 12.
Transmission mechanism. D. P. Collins. 1,537,802; May 12.
Trap: *See*—
Animal trap. Poultry-nest trap.
Travertin and making same, Imitation. S. S. Zottoli. 1,537,725; May 12.
Tray binder. C. R. Hadley. 1,537,167; May 12.
Treating articles of manufacture, Apparatus for. W. R. Hurd, 2d. 1,537,117; May 12.
Trolley guard. W. K. Page. 1,537,133; May 12.
Truck. W. B. Baxter. 1,537,156; May 12.
Truck, Distributing. F. L. and N. W. Napier. 1,537,181; May 12.
Truck side frame. G. A. Anderson. 1,537,573; May 12.
Trucks, Device for loading. J. S. White. 1,537,396; May 12.
Trucks, Tilting mechanism for motor. H. J. Överaasen. 1,537,784; May 12.
Trussed structure, Strip and rod. G. H. Dawson and H. F. Frease. 1,537,589; May 12.
Tube: *See*—
Vacuum tube.
Tube-forming machine. P. R. Hawthorne. 1,537,168; May 12.
Tube-rolling method and apparatus. M. U. Wikstrom. 1,537,206; May 12.
Tubes, Apparatus for forming metal. M. U. Wikstrom. 1,537,207; May 12.

Tubes, Making double. H. W. Bundy. 1,537,405; May 12.
Tubing. H. W. Bundy. 1,537,404; May 12.
Tubular articles, Making. R. S. Currie. 1,537,330; May 12.
Tubular fabric and making the same, Woven. L. A. Aumann. 1,537,912; May 12.
Turbine construction. F. Lisel. 1,537,176; May 12.
Turbine, Elastic-fluid. F. Lisel. 1,537,175; May 12.
Twine holder. T. C. Johnson. 1,537,356; May 12.
Typographic composing machine. J. Barclay. 1,537,327; May 12.
Typewriter. J. Smith. 1,537,147–9; May 12.
Typewriter spacing mechanism. B. Shatz. 1,537,503; May 12.
Typewriters, Type-bar cushion for. L. M. Llorens. 1,537,480; May 12.
Typewriting machine. C. H. Brown. 1,537,455; May 12.
Typewriting machine. P. M. Greene. 1,537,767; May 12.
Typewriting machine. J. A. B. Smith. 1,537,710; May 12.
Universal joint. H. H. Wolfe. 1,537,279; May 12.
Vacuum-bottle heater. W. Wagner. 1,537,513; May 12.
Vacuum cleaners and the like, Multistage suction fan for. H. Baumeister. 1,537,732; May 12.
Vacuum tube, Thermionic. W. Schottky. 1,537,708; May 12.
Valve. C. W. Dake. 1,537,413; May 12.
Valve. J. A. Essenson. 1,537,530; May 12.
Valve-actuating mechanism for oil burners, Oil-. W. B. Ray. 1,537,262; May 12.
Valve attachment. V. L. Schenk. 1,537,555; May 12.
Valve-core seating and removing machine. I. M. Jones. 1,537,534; May 12.
Valve for oil burners, Automatic trip. N. E. Tyrrell. 1,537,388; May 12.
Valve lifter. E. L. Cox. 1,537,803; May 12.
Valve, Liquid-reserve. W. F. Fessler. 1,537,420; May 12.
Valve mechanism, Flush-. N. Gymnaitis. 1,537,440; May 12.
Valve-operating machanism. J. F. Lennon. 1,537,837; May 12.
Valve-operating mechanism. R. H. Smith. 1,537,505; May 12.
Valve-operating mechanism, Throttle-. H. Swoyer. 1,537,094; May 12.
Valve, Pressure-release. O. A. Peters. 1,537,188; May 12.
Valve, Relief. H. E. Shenton. 1,537,145; May 12.
Vanity case. C. E. Dodson. 1,537,591; May 12.
Vaporizer. E. Kraft. 1,537,288; May 12.
Vegetation, Blocker for growing. S. Donner. 1,537,659; May 12.
Vehicle. F. A. Bower and E. A. De Waters. 1,537,579; May 12.
Vehicle attachment. G. A. Luns. 1,537,243; May 12.
Vehicle bumper. H. W. Tinker. Des. 67,321; May 12.
Vehicle, Child's. W. H. Banks. 1,537,729; May 12.
Vehicle, Child's. E. J. Hibner. 1,537,672; May 12.
Vehicle dumping body. F. M. Goossen. 1,537,765; May 12.
Vehicle, Motor-driven. C. F. Feltz. Re16,067; May 12.
Vehicle, Pneumatic-tired. E. J. Glackin. 1,537,113; May 12.
Vehicle wheel. S. A. Hoge. 1,537,674; May 12.
Vehicle wheel, Pneumatic-treaded. A. L. Putnam. 1,537,879; May 12.
Vehicle wheels, Securing antislipping attachments to. E. Mohr and F. R. V. Timbury. 1,537,863; May 12.
Vehicles, Brake and clutch control for motor. P. Levesque. 1,537,477; May 12.
Vehicles, Instrument-attaching device for motor. R. K. Jack. 1,537,612; May 12.
Vehicles, Signaling device for motor. E. W. Meyer. 1,537,544; May 12.
Vessels, Apparatus for raising sunken. C. A. Good. 1,537,764; May 12.
Viscera-inspection table. A. McKenzie. 1,537,846; May 12.
Wall table. C. Gerhards. Des. 67,276; May 12.
Washboard. J. C. Michie. 1,537,855; May 12.
Watch holder. F. M. Pearson. Des. 67,301; May 12.
Water-heating system. C. A. McCarty and W. A. H. Jones. 1,537,842; May 12.
Waterproof sheets from fibrous material by the use of sulphur, Producing. F. H. Coyne. 1,537,752; May 12.
Wave apparatus, Cooling carrier-. J. O. Gargan. 1,537,228; May 12.
Wear and strain resisting fabric. J. Brown. 1,537,456; May 12.
Weather strip, Metal. O. P. Wallace. 1,537,275; May 12.
Weeder and cultivator. E. Kimber and E. Lloyd. 1,537,810; May 12.
Weighing device. G. E. Chatillon. 1,537,158; May 12.
Welding tubes. G. A. Luts. 1,537,177; May 12.
Well-casing puller. J. C. Lewis. 1,537,359; May 12.
Well, Locating the level at which water enters a. R. D. Elliott. 1,537,919; May 12.
Well pumping apparatus, Deep-. J. N. Modisett. 1,537,487; May 12.
Well rig, Oil-. W. E. McDonald. 1,537,844; May 12.
Wells, Rotary mudding clamp and method of mudding. H. B. Soyster and H. W. Lee. 1,537,190; May 12.
Wheel: *See*—
Brake wheel. Steering wheel.
Disk wheel. Traction wheel.
Spring wheel. Vehicle wheel.
Wheel-manufacturing machine. H. Flick. 1,537,662; May 12.
Wheels, Detachable spur for. A. C. Du Vall. 1,537,592; May 12.
Wheels, Detachable traction device for vehicle. J. J. Weier. 1,537,276; May 12.
Wheels of vehicles, Mounting of the. W. J. Riddell. 1,537,139; May 12.
Window-cleaning apparatus. F. W. Tully. 1,537,273; May 12.
Window-control mechanism. A. R. Clas. 1,537,223; May 12.
Window fitting. H. D. Murray. 1,537,869; May 12.
Window-frame construction. H. Lipstreuer. 1,537,318; May 12.
Window raiser. A. E. Schmitt and P. F. Buck. 1,537,556; May 12.
Windshield. O. H. Sandgren. 1,537,706; May 12.
Windshield-wiper-operating mechanism. G. H. Lober. 1,537,538; May 12.
Wire-attaching clip. J. W. Meaker. 1,537,129; May 12.
Wire clincher, Staple-. L. J. Chapman. 1,537,709; May 12.
Wire-coiling machine. E. Turgeon. 1,537,632; May 12.
Wire-drawing machine, Continuous-. F. H. Sleeper. 1,537,269; May 12.
Wire-rope socket, Swivel-jar. F. Swan. 1,537,203; May 12.
Wire, Sure-find drop. O. J. Player. 1,537,495; May 12.
Wire terminal. F. H. Bagley. 1,537,728; May 12.
Wireworking machine. B. L. Van Orman. 1,537,389; May 12.
Woodworking machine. H. W. Grunow. 1,537,820; May 12.
Wool-washing machine. J. F. and W. H. White. 1,537,720; May 12.
Wrapping and sealing machine. J. L. Sullivan. 1,537,384; May 12.
Wrapping and twisting machines, Tension device for. R. H. Jenny. 1,537,638; May 12.
Wrench: *See*—
Track wrench.
Wringers, Safety feed and automatic stop for. H. L. Morin. 1,537,864; May 12.
X-ray-film package, Dental. L. M. Bolin. 1,537,925; May 12.

CLASSIFICATION OF PATENTS

ISSUED MAY 12, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 4: 1,537,610
11: 1,537,926
2— 3: 1,537,178
42: 1,537,681
78: 1,537,230
84: 1,537,119
154: 1,537,664
156: 1,537,115
161: 1,537,429
192: 1,537,751
205: 1,537,250
4— 45: 1,537,807
206: 1,537,915
236: 1,537,240
5— 205: 1,537,173
10— 98: 1,537,498
125: 1,537,628
12— 15: 1,537,682
120: 1,537,621
1,537,747
142: 1,537,490
1,537,419
145: 1,537,120
146: 1,537,082
14— 23: 1,537,696
18— 20: 1,537,313
28: 1,537,918
108: 1,537,273
160: 1,537,425
185: 1,537,467
229: 1,537,309
19— 72: 1,537,379
80: 1,537,367
129: 1,537,420
140: 1,537,649
168: 1,537,887
174: 1,537,862
17— H 1,537,574
15: 1,537,543
43: 1,537,846
18— 5.3: 1,537,697
6: 1,537,800
19: 1,537,533
21: 1,537,348
33: 1,537,884
42: 1,537,684
47.3: 1,537,406
48.8: 1,537,725
53: 1,537,856
1,537,859
1,537,895
1,537,866
86: 1,537,257
19— 113: 1,537,327
20— 19: 1,537,300
46: 1,537,869
69: 1,537,275
92: 1,537,459
1,537,678
94: 1,537,834
99: 1,537,197
22— 112: 1,537,299
151: 1,537,336
23— 91: 1,537,479
120: 1,537,815
252: 1,537,519
257: 1,537,538
24— 3: 1,537,287
128: 1,537,203
135: 1,537,876
208: 1,537,810
219: 1,537,798
255: 1,537,192
25— 115: 1,537,226
123: 1,537,303
131: 1,537,278
131.5: 1,537,229
1,537,882
26— 27: 1,537,801
81: 1,537,057
84: 1,537,540
86.3: 1,537,803
86.4: 1,537,773
88.2: 1,537,540
1,537,812
100.6: 1,537,068
30— 3: 1,537,110
1,537,608
31— 23: 1,537,372
32— 4: 1,537,716
5: 1,537,140
33— 32: 1,537,393
34— 1: 1,537,625
4: 1,537,792
22: 1,537,907
26: 1,537,513
36— 6: 1,537,634
17: 1,537,698
38— 2: 1,537,845
5: 1,537,775
73: 1,537,761
76: R. 16,068
37— 4: 1,537,558
108: 1,537,091
117: 1,537,580
156: 1,537,328
39— 57: 1,537,129
40— 10: 1,537,899
63: 1,537,321
128: 1,537,788
133: 1,537,869
143: 1,537,523
41— 21: 1,537,777
42— 50: 1,537,989
76: 1,537,517
48— 9: 1,537,416
36: 1,537,286
42: 1,537,290
46: 1,537,261
70: 1,537,763
81: 1,537,996
133: 1,537,570
146: 1,537,893
44— 26: 1,537,190
45— 13: 1,537,463
26: 1,537,754
31: 1,537,382
32: 1,537,220
54: 1,537,267
57: 1,537,166
77: 1,537,067
97: 1,537,654
46— 32: 1,537,312
1,537,334
40: 1,537,298
1,537,368
1,537,484
1,537,809
1,537,723
46: 1,537,218
1,537,390
47: 1,537,822
48: 1,537,924
65: 1,537,857
83.1: 1,537,462
50— 26: 1,537,704
51— 6: 1,537,902
26: 1,537,582
1,537,593
1,537,626
1,537,653
130: 1,537,403
161: 1,537,182
164: 1,537,053
1,537,520
245: 1,537,217
278: 1,537,622
280: 1,537,454
53— 5: 1,537,499
54— 19: 1,537,122
55— 12: 1,537,771
56— 31: 1,537,102
250: 1,537,850
263: 1,537,804
294: 1,537,917
300: 1,537,854
327: 1,537,924
400: 1,537,518
58— 6: 1,537,482
24: 1,537,920
30: 1,537,895
126: 1,537,855
59— 95: 1,537,785
61— 36: 1,537,199
62— 31: 1,537,829
68: 1,537,398
116: 1,537,691
172: 1,537,646
64— 10: 1,537,880
55: 1,537,655
96: 1,537,279
1,537,790
65— 43: 1,537,782
66— 17: 1,537,762
68— 26: 1,537,916
29: 1,537,855
37: 1,537,842
70— 53: 1,537,340
72— 75: 1,537,833
99: 1,537,316
101: 1,537,128
116: 1,537,758
117: 1,537,588
122: 1,537,699
73— 32: 1,537,281
51: 1,537,179
1,537,270
1,537,486
108: 1,537,338
110: 1,537,184
74— 7: 1,537,538
1,537,670
16: 1,537,222
1,537,724
1,537,832
16: 1,537,874
28: 1,537,515
28: 1,537,557
33: 1,537,212
1,537,256
34: 1,537,095
1,537,802
39: 1,537,094
1,537,135
1,537,477
1,537,584
48: 1,537,838
54: 1,537,717
57: 1,537,828
63: 1,537,075
81: 1,537,623
88: 1,537,605
99: 1,537,434
108: 1,537,631
1,537,665
1,537,900
109: 1,537,525
1,537,787
75— 1: 1,537,881
45: 1,537,709
76— 62: 1,537,357
78— 42: 1,537,793
53.5: 1,537,269
83: 1,537,177
80— 11: 1,537,206
1,537,207
86: 1,537,240
90: 1,537,092
81— 57: 1,537,089
1,537,534
90: 1,537,872
125: 1,537,923
177: 1,537,657
82— 4: 1,537,769
83— 8: 1,537,759
9: 1,537,377
10: 1,537,564
1,537,565
12: 1,537,163
44: 1,537,123
67: 1,537,215
82: 1,537,424
84— 65: 1,537,885
212: 1,537,913
376: 1,537,185
472: 1,537,125
85— 4: 1,537,521
27: 1,537,302
86— 32: 1,537,064
88— 1: 1,537,151
17: 1,537,196
1,537,830
19.3: 1,537,315
27: 1,537,654
45: 1,537,735
47: 1,537,107
52: 1,537,144
53: 1,537,489
90— 11: 1,537,420
24: 1,537,050
91— 37: 1,537,596
42: 1,537,117
43: 1,537,566
67.9: 1,537,146
68: 1,537,663
70: 1,537,518
98— 34: 1,537,694
42: 1,537,195
49: 1,537,429
105— 2: 1,537,384
94— 12: 1,537,063
44: 1,537,181
96— 2: 1,537,868
31: 1,537,539
88: 1,537,524
97— 17: 1,537,402
18: 1,537,445
1,537,576
24: 1,537,510
98— 6: 1,537,418
18: 1,537,650
26: 1,537,841
52: 1,537,320
121: 1,537,995
220: 1,537,412
222: 1,537,527
99— 23: 1,537,587
27: 1,537,460
99— 8: 1,537,040
1,537,701
100— 57: 1,537,802
101— 4: 1,537,685
35: 1,537,003
1,537,861
41: 1,537,191
214: 1,537,180
281: 1,537,044
287: 1,537,432
337: 1,537,476
401.3: 1,537,461
102— 3: 1,537,713
7: 1,537,668
15: 1,537,291
39: 1,537,208
103— 110: 1,537,700
221: 1,537,487
233: 1,537,264
104— 13: 1,537,304
58: 1,537,547
105— 64: 1,537,642
109: 1,537,571
110: 1,537,071
165: 1,537,696
205: 1,537,573
302: 1,537,262
341: 1,537,442
455: 1,537,162
106— 23: 1,537,483
107— 9: 1,537,613
1,537,614
54: 1,537,669
58: 1,537,453
108— 26: 1,537,826
110— 18: 1,537,422
165: 1,537,098
1,537,121
112— 76: 1,537,155
113— 33: 1,537,166
1,537,405
80: 1,537,251
91: 1,537,825
114— 50: 1,537,764
115— 1: 1,537,319
116— 39: 1,537,080
1,537,152
116— 46: 1,537,873
48: 1,537,544
51: 1,537,843
52: 1,537,311
129: 1,537,158
133: 1,537,823
117— 32: 1,537,531
1,537,532
43: 1,537,638
118— 4: 1,537,581
5: 1,537,111
119— 18: 1,537,615
25: 1,537,086
44: 1,537,307
49: 1,537,814
80: 1,537,337
120— 18: 1,537,768
46: 1,537,226
67: 1,537,718
96: 1,537,394
121— 23: 1,537,083
186: 1,537,892
2: 1,537,450
122— 33: 1,537,786
52: 1,537,605
59: R. 15,069
65: 1,537,128
75: 1,537,546
90: 1,537,351
1,537,897
117: 1,537,263
119: 1,537,616
1,537,748
123— 26: 1,537,910
52: 1,537,238
148: 1,537,003
169: 1,537,105
1,537,595
189: 1,537,248
124— 40: 1,537,752
46: 1,537,848
52: 1,537,456
155— 163: 1,537,734
197: 1,537,400
156— 24: 1,537,431
1,537,497
37: 1,537,906
44: 1,537,817
157— 1: 1,537,342
1,537,662
158— 27.4: 1,537,481
28: 1,537,289
32: 1,537,599
36: 1,537,262
36.5: 1,537,687
42.3: 1,537,388
46.5: 1,537,426
76: 1,537,324
119: 1,537,335
159— 24: 1,537,503
162— 4: 1,537,331
164— 35: 1,537,344
61: 1,537,285
71: 1,537,376
90: 1,537,516
166— 19: 1,537,201
169— 3: 1,537,887
170— 160: 1,537,401
171— 34: 1,537,607
119: 1,537,643
1,537,927
309: 1,537,374
1,537,407
320: 1,537,692
172— 179: 1,537,375
239: 1,537,578
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274: 1,537,132
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173— 13: 1,537,575
259: 1,537,066
268: 1,537,875
269: 1,537,728
334: 1,537,160
339: 1,537,863

179— 343: 1,537,680
359: 1,537,639
175— 182: 1,537,360
183: 1,537,490
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265: 1,537,470
294: 1,537,371
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361: 1,537,224
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367: 1,537,633
176— 1: 1,537,680
59: 1,537,103
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177— 329: 1,537,298
355: 1,537,211
386: 1,537,930
178— 2: 1,537,055
6: 1,537,087
13: 1,537,205
23: 1,537,745
44: 1,537,101
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51: 1,537,099
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53: 1,537,088
63: 1,537,744
88: 1,537,662
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179— 1: 1,537,126
9: 1,537,137
15: 1,537,154
1,537,256
18: R. 16,070
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27: 1,537,109
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43: 1,537,653
84: 1,537,390
91: 1,537,081
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100.1: 1,537,849
112: 1,537,671
117: 1,537,322
146: 1,537,347
147: 1,537,772
171: 1,537,528
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181: 1,537,326
185: 1,537,886
180— 1: 1,537,198
9.2: 1,537,415
70: R. 16,067
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180— 90: 1,537,612
183— 80: 1,537,690
115: 1,537,193
184— 83: 1,537,116
105: 1,537,131
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186— 14: 1,537,569
187— 29: 1,537,078
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78: 1,537,350
188— 36: 1,537,541
43: 1,537,204
78: 1,537,611
152: 1,537,316
187: 1,537,624
204: 1,537,246
208: 1,537,579
249: 1,537,232
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258: 1,537,911
189— 37: 1,537,589
42: 1,537,835
191— 12: 1,537,183
35: 1,537,133
192— 8: 1,537,223
11: 1,537,923
56: 1,537,629
129: 1,537,069
133: 1,537,864
194— 65: 1,537,651
195— 1: 1,537,252
196— 58: 1,537,593
63: 1,537,164
197— 26: 1,537,147
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42: 1,537,480
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114: 1,537,503
127: 1,537,710
128: 1,537,455
198— 8: 1,537,652
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47: 1,537,774
48: 1,537,750
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77: 1,537,472
106: 1,537,895
112: 1,537,796
133: 1,537,296
150: 1,537,352
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200— 152: 1,537,921
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166: 1,537,836
201— 63: 1,537,500
202— 14: 1,537,114
204— 6: 1,537,540
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205— 14: 1,537,269
206— 39: 1,537,244
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59: 1,537,585
208— 36: 1,537,672
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31: 1,537,673
213— 6: 1,537,451
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214— 1: 1,537,800
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65.4: 1,537,156
77: 1,537,396
94: 1,537,457
215— 48: 1,537,786
216— 33: 1,537,667
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217— 5: 1,537,821
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219— 32: 1,537,577
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220— 6: 1,537,617
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73: 1,537,600
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221— 11: 1,537,408
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224— 29: 1,537,096
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78: 1,537,448
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96: 1,537,449
98: 1,537,170
227— 5: 1,537,506
228— -2: 1,537,221
230— 11: 1,537,656
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235— 60: 1,537,314
91: 1,537,512
236— 80: 1,537,134
237— 6: 1,537,141

237— 6: 1,537,298
238— 27: 1,537,851
31: 1,537,346
52: 1,537,474
330: 1,537,676
240— 7: 1,537,494
8.4: 1,537,806
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48.4: 1,537,417
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62: 1,537,161
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73: 1,537,831
81: 1,537,504
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242— 7: 1,537,074
69: 1,537,458
85: 1,537,702
138: 1,537,253
141: 1,537,356
243— 15: 1,537,920
246— 63: 1,537,274
293: 1,537,214
294: 1,537,187
323: 1,537,383
442: 1,537,508
464: 1,537,245
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248— 22: 1,537,730
29: 1,537,237
250— 17: 1,537,228
1,537,609.
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27: 1,537,708
31: 1,537,856
34: 1,537,925
41: 1,537,386
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108: 1,537,530
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144: 1,537,555
252— 2: 1,537,260
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253— 8: 1,537,560
39: 1,537,175
78: 1,537,176

253— 136: 1,537,465
254— 11: 1,537,070
78: 1,537,559
186: 1,537,757
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255— 9: 1,537,944
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71: 1,537,550
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74: 1,537,202
256— 57: 1,537,799
257— 25: 1,537,553
37: 1,537,890
43: 1,537,058
132: 1,537,452
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236: 1,537,056
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135: 1,537,076
260— 11: 1,537,441
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78: 1,537,571
135: 1,537,597
419: 1,537,928
261— 35: 1,537,072
91: 1,537,650
116: 1,537,065
122: 1,537,265
262— 16: 1,537,094
264— 17: 1,537,694
265— 45: 1,537,888
71: 1,537,169
266— 42: 1,537,901
267— 10: 1,537,392
31: 1,537,413
41: 1,537,606
54: 1,537,077
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65: 1,537,112
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270— 81: 1,537,693
93: 1,537,118
271— 2.5: 1,537,749
51: 1,537,645
79: 1,537,594
272— 1: 1,537,686
43: 1,537,791
44: 1,537,427
48: 1,537,475
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273— 110: 1,537,226
113: 1,537,373
126: 1,537,370
132: 1,537,514
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161: 1,537,295
274— 39: 1,537,171
276— 51: 1,537,542
280—33.14: 1,537,213
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33.44: 1,537,339
90: 1,537,362
96.1: 1,537,139
152: 1,537,852
281— 1: 1,537,502
283— 2: 1,537,891
56: 1,537,640
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285— 53: 1,537,722
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120: 1,537,755
287— 53: 1,537,227
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292— 216: 1,537,329
228: 1,537,436
238: 1,537,770
256: 1,537,712
304: 1,537,870
316: 1,537,097
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325: 1,537,741
340: 1,537,703
293— 55: 1,537,473
294— 3: 1,537,766
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296— 92: 1,537,706
139: 1,537,522
145: 1,537,739
298— 38: 1,537,765
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299— 22: 1,537,104
78: 1,537,637
88: 1,537,776
97: 1,537,552
301— 20: 1,537,430
39: 1,537,241
46: 1,537,491
47: 1,537,343
63: 1,537,309
1,537,391
303— 21: 1,537,365
305— 3: 1,537,276
306— 1: 1,537,883
308— 74: 1,537,368
83: 1,537,061
1,537,962
226: 1,537,100

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abraham & Straus, Inc., New York, N. Y. Publications. 198,443; May 19; Serial No. 205,046; published Feb. 24, 1925.

Abraham & Straus, Inc., New York, N. Y. Hosiery, gloves, underwear, etc. 198,592; May 19; Serial No. 186,094; published Mar. 3, 1925.

Abseck, Louis, doing business as The Sealastic Co., Brooklyn, N. Y. Whisk brooms, toothbrushes, paintbrushes, etc. 198,568; May 19; Serial No. 207,910; published Mar. 3, 1925.

Acewood Petroleum Company, New York, N. Y. Petroleum and its products for illuminating, lubricating, and for fuel purposes. 198,459; May 19; Serial No. 207,706; published Mar. 3, 1925.

Adams & Elting Co., Chicago, Ill. Varnish stains. 198,411; May 19; Serial No. 146,514; published June 21, 1921.

Allmetal Weatherstrip Co., Chicago, Ill. Weather stripping. 198,641; May 19.

Alsberg, William, & Company, New York, N. Y. Cotton piece goods. 198,498; May 19; Serial No. 205,671; published Feb. 24, 1925.

American Agricultural Chemical Company, The. (See Imperial Company.)

American Bottling Works, New Orleans, La. Nonalcoholic, noncereal, maltless beverages. 198,562; May 19; Serial No. 207,911; published Mar. 3, 1925.

American Chicle Company, Long Island City, N. Y. Chewing gum. 198,490; May 19; Serial No. 205,978; published Mar. 3, 1925.

American Distributing Co. (See Kraemer, Hamelfarb & Co.)

American Glass Works, Incorporated, Richmond, Va. Glass bottles. 198,447; May 19; Serial No. 205,505; published Feb. 24, 1925.

American Hardware Corporation, The. (See Russell & Erwin Manufacturing Company.)

Andrews, Joe, & Company, Los Angeles, Calif. Water pumps. 198,605; May 19; Serial No. 203,779; published Mar. 3, 1925.

Angier Corporation, Framingham, Mass. Wrapping paper. 198,462; May 19; Serial No. 208,270; published Mar. 3, 1925.

Arneste Paint Co. Inc., New York, N. Y. Paint. 198,441; May 19; Serial No. 204,806; published Feb. 17, 1925.

Auto Paint & Varnish Company. (See Grandville Industrial Laboratories, assignor.)

Avon Canning Company, Incorporated, Avon Park, Fla. Canned citrous fruits. 198,477; May 19; Serial No. 202,689; published Mar. 3, 1925.

Babcock, A. P., Co., New York, N. Y. Perfume, toilet water, talcum and face powders, rouge, etc. 198,653; May 19.

Bagedonow, I. M., Inc., New York, N. Y. Ladies' coats. 198,625; May 19; Serial No. 206,559; published Mar. 10, 1925.

Bamberger, L., & Company, Newark, N. J. Smokers' articles. 198,435; May 19; Serial No. 204,296; published Mar. 3, 1925.

Bamberger, L., & Company, Newark, N. J. Glassware and articles formed partly of glass and partly of metal. 198,436; May 19; Serial No. 204,297; published Mar. 3, 1925.

Barrier Bros., Lubbock, Tex. Trading stamps. 198,463; May 19; Serial No. 192,749; published Sept. 2, 1924.

Bartow Beverages, Inc., Nashville, Tenn. Beverage sold as soft drink and sirups used in the preparation of same. 198,549; May 19; Serial No. 208,554; published Mar. 3, 1925.

Beacon Manufacturing Company, New Bedford, Mass., and Providence, R. I. Cotton blankets. 198,587–8; May 19; Serial Nos. 207,610–11; published Mar. 3, 1925.

Beacon Press, Inc., The, Boston, Mass. Educational sheets or posters. 198,539; May 19; Serial No. 207,646; published Feb. 24, 1925.

Beals, P. W., Candy Co., Detroit, Mich. Candy. 198,546; May 19; Serial No. 208,633; published Mar. 3, 1925.

Beaver Soap Co., The, Dayton, Ohio. Toilet and laundry soaps. 46,365; renewed Sept. 12, 1925.

Betz, Frank S., Company, Hammond, Ind. Forceps, knives, scissors, etc. 198,497; May 19; Serial No. 205,676; published Feb. 24, 1925.

Billow-Firestone Company, The, Columbus, Ohio. Pillows and mattresses. 198,423; May 19; Serial No. 189,754; published Feb. 17, 1925.

Binder, P., & Sons, Yankton, S. Dak. Beverages sold as soft drinks and sirups for making the same. 198,553; May 19; Serial No. 208,449; published Mar. 3, 1925.

Blackstone File Company, The, Cleveland, Ohio. Printed file wrappers. 198,453; May 19; Serial No. 207,226; published Mar. 3, 1925.

Bleadon-Dun Company, Chicago, Ill. Electrotherapeutic machines. 198,538; May 19; Serial No. 207,547; published Mar. 3, 1925.

Blue Seal Cleansers, Inc., New York, N. Y. Mineral product for cleaning tile, marble, wood, etc. 198,468; May 19; Serial No. 198,338; published Aug. 12, 1924.

Blumenthal, Sidney, & Co. Inc., New York, N. Y. Pile fabrics in the piece. 198,512; May 19; Serial No. 206,717; published Mar. 3, 1925.

Bonaci, Inc., Long Island City, N. Y. Candies. 198,545; May 19; Serial No. 208,634; published Mar. 3, 1925.

Bond, Charles, Company, Philadelphia, Pa. Loom pickers and check straps. 198,619; May 19; Serial No. 207,962; published Mar. 10, 1925.

Boyle, John, & Company Incorporated, New York, N. Y. Awning stripes and ticking. 198,471; May 19; Serial No. 200,660; published Dec. 30, 1924.

Brillo Manufacturing Company, Brooklyn, N. Y. Cleaning, scouring, and polishing wads, pads, etc. 198,487; May 19; Serial No. 206,058; published Feb. 17, 1925.

Brillo Manufacturing Co., Brooklyn, N. Y. Cleaning, scouring, and polishing wads, rolls, and cloth. 198,495; May 19; Serial No. 205,785; published Feb. 17, 1925.

Buhl, Lucille, Vanity Products, Inc., New York, N. Y. Cosmetic cases and parts thereof, fare and coin boxes. 198,586; May 19; Serial No. 204,893; published Feb. 17, 1925.

Burke, Alice S., New York, N. Y. Frocks. 198,640; May 19.

Burton-Dixie Corporation, Chicago, Ill. Mattresses, pillows, cushions, and box springs. 198,427; May 19; Serial No. 191,669; published Feb. 24, 1925.

Cantor and Kalish, Philadelphia, Pa. Hosiery. 198,611; May 19; Serial No. 208,380; published Mar. 10, 1925.

Chamblin, Baylus J., Little Rock, Ark. Hollow building tile. 198,650; May 19.

Chero-Cola Company, Columbus, Ga. Beverage and sirup for making the same. 198,552; May 19; Serial No. 206,455; published Mar. 3, 1925.

Cherry, J. G., Company, Cedar Rapids, Iowa. Butter cutters and printers. 198,626; May 19; Serial No. 206,895; published Mar. 10, 1925.

Chr. Adt. Kupferberg & Co. Kommanditgesellschaft auf Aktien, Mains, Germany. Wines. 198,432; May 19; Serial No. 204,102; published Mar. 3, 1925.

Claremont Paper Company, Inc., Claremont, N. H. Wrapping paper. 198,578; May 19; Serial No. 206,111; published Mar. 3, 1925.

Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 198,612; May 19; Serial No. 208,330; published Mar. 10, 1925.

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 198,550; May 19; Serial No. 206,510; published Mar. 3, 1925.

Colloidal Soap Products Corporation, Dover Del., and Baltimore, Md. Soaps. 198,575; May 19; Serial No. 206,220; published Mar. 3, 1925.

Commonwealth Publishing Company, Chicago, Ill. Account or blank books. 198,606; May 19; Serial No. 204,808; published Mar. 3, 1925.

Community System Service Corporation, Johnstown, Pa. Blank books and forms. 198,467; May 19; Serial No. 198,789; published Feb. 17, 1925.

Continental Gin Co., Birmingham, Ala. Oil engines. 198,624; May 19; Serial No. 207,618; published Mar. 10, 1925.

Cook, Herbert N., doing business as Cook & Company, New Orleans, La. Canned shrimp. 198,648; May 19.

Cortell, Williams and Company, New York, N. Y. Cotton piece goods. 198,565; May 19; Serial No. 207,852; published Mar. 3, 1925.

Coxhead, Ralph C., New York, N. Y. Calculating machines. 198,631; May 19; Serial No. 202,190; published Mar. 10, 1925.

Creamette Company, The, Minneapolis, Minn. Chewing gum. 198,425; May 19; Serial No. 191,009; published Mar. 3, 1925.

Crescent Watch Case Co., The. The Keystone Watch Case Company, Philadelphia, Pa., and Riverside, N. J., successors. Watches, watchcases, and watch movements. 46,756; renewed Oct. 3, 1925.

Davis, A., & Sons, Inc., New York, N. Y. Woolen piece goods. 198,551; May 19; Serial No. 208,458; published Mar. 3, 1925.

Deitsch Brothers, New York, N. Y. Leather. 198,654; May 19.

Dell, Samuel M., & Co. Inc., Baltimore, Md. Paint and varnish brushes. 198,643; May 19.

Delta Electric Company, Marion, Ind. Ash receiver. 198,446; May 19; Serial No. 205,268; published Mar. 3, 1925.

Dexter, C. H., & Sons, Inc., Windsor Locks, Conn. Toilet paper. 198,590; May 19; Serial No. 179,930; published Mar. 3, 1925.

Ditzler, Ray L., Huntington, Ind. Poultry. 198,475; May 19; Serial No. 202,287; published Nov. 18, 1924.

Dixon, Joseph, Crucible Company, Jersey City, N. J. Pencils. 198,564; May 19; Serial No. 207,856; published Mar. 3, 1925.

Dorak Makers, Inc., Boston, Mass. Racks for apparel. 198,517; May 19; Serial No. 206,886; published Feb. 24, 1925.

Dreyer, Theodor, Detroit, Mich. Newspapers. 198,557; May 19; Serial No. 208,094; published Feb. 17, 1925.

Driscoll, Joseph A., Chicago, Ill. Galvanized and zinc-plated metal articles. 198,421; May 19; Serial No. 188,361; published Mar. 3, 1925.

Dulle-Meyer Milling Company, Chamois, Mo. Mixed feed, middlings, and bran. 198,515; May 19; Serial No. 206,771; published Mar. 3, 1925.

Dwight Hamlin Co., Pittsburgh, Pa. Horse feed. 198,639; May 19.

East, Mose D., Seattle, Wash. Building plans and specifications. 198,430; May 19; Serial No. 203,795; published Feb. 24, 1925.

Eastman Kodak Company, Rochester, N. Y. Monthly magazine. 198,521; May 19; Serial No. 206,948; published Feb. 17, 1925.

Eddy, D., & Sons Co., Boston, Mass. Refrigerators. 48,659; renewed Oct. 3, 1925.

Empire Case Goods Company, Jamestown, N. Y. Bedroom furniture. 198,468; May 19; Serial No. 199,156; published Feb. 24, 1925.

Entiat Fruit Growers League, The, Entiat, Wash. Fresh apples. 198,547–8; May 19; Serial Nos. 208,580–1; published Mar. 3, 1925.

Ersted, Alfred J., doing business as Ersted Machinery Manufacturing Co., Portland, Oreg. Hoists and winches. 198,628; May 19; Serial No. 205,002; published Mar. 10, 1925.

Excel Shoe Form Company, assignor to Excel Shoe Form Company, Lynn, Mass. Hollow shoe forms. 46,661; renewed Oct. 3, 1925.

Federal Underwear Co., New York, N. Y. Baby-carriage covers and cases. 198,414; May 19. Serial No. 171,835; published Feb. 24, 1925.

Flossy Dental Mfg. Co., Evanston, Ill. Dental floss holders. 198,623; May 19; Serial No. 207,813; published Mar. 10, 1925.

Foy Paint Co., The, Cincinnati, Ohio. Ready-mixed paints. 198,422; May 19; Serial No. 188,959; published Sept. 2, 1924.

France Fabrics Corporation, The, New York, N. Y. Piece goods of silk, cotton, wool, artificial silk, and combinations thereof. 198,526; May 19; Serial No. 207,294; published Mar. 3, 1925.

Franklin, J. O., & Sons, Milwaukee, Wis. Fresh fruit and green vegetables. 198,413; May 19; Serial No. 166,365; published Mar. 10, 1925.

Free-Hand Binder Company, New York, N. Y. Loose-leaf-binding devices and magazine binders. 198,574; May 19; Serial No. 206,236; published Mar. 3, 1925.

Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties, cravats, four-in-hand ties, and bow ties. 198,613; May 19; Serial No. 208,268; published Mar. 10, 1925.

Frozen Arts, Chicago, Ill. Ice cream, ices, and frozen puddings. 198,534; May 19; Serial No. 207,559; published Mar. 3, 1925.

Fuhrer-Ford Milling Co., Mount Vernon, Ind. Wheat flour. 198,640; May 19.

Gage Publishing Co., Inc., The, New York, N. Y. Section of a monthly magazine. 198,508; May 19; Serial No. 206,664; published Feb. 24, 1925.

Gage Publishing Co., Inc., The, New York, N. Y. Section of a monthly magazine. 198,570; May 19; Serial No. 206,479; published Mar. 3, 1925.

Galion Metallic Vault Co., The, Galion, Ohio. Grave vaults. 198,535; May 19; Serial No. 207,560; published Mar. 3, 1925.

Gantz, John C., doing business as Lime Rock Springs Company, Dubuque, Iowa. Nonalcoholic, noncereal, maltless beverages. 198,522; May 19; Serial No. 207,007; published Mar. 3, 1925.

General Box Company, Chicago, Ill. Wood shipping cases or boxes. 198,444–5; May 19; Serial Nos. 205,160–1; published Mar. 3, 1925.

General Packing Co. (See Reilly, John C., and Robert T. Northcutt.)

Gidding & Co., Inc., Cincinnati, Ohio. Ladies' tailor-made suits. 198,650; May 19.

Gidding & Co., Inc., Cincinnati, Ohio. Ladies' coats, wraps, tailored dresses. 198,651; May 19.

Giddings & Lewis Machine Tool Company, Fond du Lac, Wis. Metal-grinding machines, parts thereof, and replacements therefor. 198,627; May 19; Serial No. 205,869; published Mar. 10, 1925.

Glastonbury Knitting Company, Addison, Conn. Knitted underwear. 46,663; renewed Oct. 3, 1925.

Goodyear Tire & Rubber Company, The, Akron, Ohio. Ink rolls, rubber mallets, hammer cushions, etc. 198,635; May 19; Serial No. 169,482; published Mar. 10, 1925.

Grandville Industrial Laboratories, Grandville, assignor, by mesne assignments, to Auto Paint & Varnish Company, Grand Rapids, Mich. Compositions for removing paint and varnish. 198,589; May 19; Serial No. 170,065; published Mar. 3, 1925.

Granitine Wall Plaster Co.; B. F. Patschke, doing business as Granitine Wall Plaster Company, Lebanon, Pa., successor. Wall plaster. 45,898; renewed Aug. 29, 1925.

Greenwald, Friedman & Co., Inc., New York, N. Y. Dresses. 198,618; May 19; Serial No. 208,188; published Mar. 10, 1925.

Grip Nut Company, Chicago, Ill. Metal nuts. 198,513; May 19; Serial No. 206,781; published Mar. 3, 1925.

Gross & Kolodner, Baltimore, Md. Trousers, suits, overcoats, coats, etc. 198,617; May 19; Serial No. 208,139; published Mar. 10, 1925.

Gutman, Joel, & Co., Baltimore, Md. Hosiery. 198,450; May 19; Serial No. 206,782; published Mar. 3, 1925.

Haines City Citrus Growers Association, Haines City, Fla. Oranges, grapefruit, and tangerines. 198,597; May 19; Serial No. 193,589; published Mar. 10, 1925.

Halperin, M. I., Brooklyn, N. Y. Piece goods made from artificial silk. 198,528; May 19; Serial No. 207,077; published Mar. 3, 1925.

Hardwick & Magee Company, Philadelphia, Pa. Textile carpets and rugs. 198,428; May 19; Serial No. 192,119; published Feb. 24, 1925.

Harrison-Guthrie Agency, Minneapolis, Minn. Prints and posters. 198,473; May 19; Serial No. 201,344; published Feb. 24, 1925.

Hawthorne Furniture Shops, Los Angeles, Calif. Household tables. 198,470; May 19; Serial No. 200,443; published Feb. 17, 1925.

Health Reconstruction Society, Inc, New York, N. Y. Serial publications and books and lesson sheets. 198,582; May 19; Serial No. 205,696; published Mar. 3, 1925.

Hendrikx, William, College Point, N. Y. Tobacco pipes, cigar and cigarette holders. 198,505; May 19; Serial No. 206,523; published Feb. 24, 1925.

Hildner, Frederick, Chicago, Ill. Metal polishes and bottle cleaners. 198,584; May 19; Serial No. 205,273; published Mar. 3, 1925.

Hodgman, Arthur W., Natick, Mass. Beverages sold as soft drinks and sirups for making the same. 198,474; May 19; Serial No. 201,403; published Oct. 28, 1924.

Hohner, Firm of M.; M. Hohner, Inc., New York, N. Y., successor. Mouth harmonicas. 44,759; renewed July 25, 1925.

Holden-Leonard Company, New York, N. Y. Worsted and woolen textile fabrics. 198,466; May 19; Serial No. 198,711; published Mar. 3, 1925.

Holyoke Belting Company, Holyoke, Mass. Leather belting; 198,645–6; May 19.

Honey Brook Sweets, Inc., Honey Brook, Pa. Candy. 198,655; May 19.

Hookless Fastener Company, Meadville, Pa. Separable fasteners. 198,412; May 19; Serial No. 164,705; published Mar. 3, 1925.

Hoyt, Peggy, Inc., New York, N. Y. Women's hats, gowns, dresses, suits, etc. 198,451; May 19; Serial No. 208,896; published Mar. 3, 1925.

Hyatt Glass Company, Poteau, Okla. Glass cylinders, sheet glass and sheet-glass products, glass products. 198,494; May 19; Serial No. 205,758; published Feb. 24, 1925.

Hyman & Goldston, Inc., New York, N. Y. Dress goods, all-silk fabrics. 198,515; May 19; Serial No. 206,901; published Mar. 3, 1925.

Hyman & Goldston, Inc., New York, N. Y. Manufactured dresses. 198,519; May 19; Serial No. 206,902; published Feb. 24, 1925.

Hyro Manufacturing Co., New York, N. Y. Cooking utensils. 198,507; May 19; Serial No. 206,622; published Mar. 3, 1925.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate coating. 198,544; May 19; Serial No. 208,657; published Mar. 3, 1925.

Ideal Trading Company. (See Lichtenstein, William.)

Imperial Company, The, Norfolk, Va.; The American Agricultural Chemical Company, New York, N. Y., successors. Artificial or manufactured fertilisers. 45,652; renewed Aug. 22, 1925.

Interstate Tool Company. (See Townley Metal and Hardware Company.)

Jackson, Lars, doing business as Lars Jackson Co., New York, N. Y. Roof cement. 198,479; May 19; Serial No. 202,964; published Jan. 27, 1925.

Jacobs, David, Corporation, New York, N. Y. Ladies' men's, and children's hosiery. 198,610; May 19; Serial No. 208,405; published Mar. 10, 1925.

Johnston, Margaret B., Superior, Wis. Candied pop corn. 198,476; May 19; Serial No. 202,586; published Mar. 3, 1925.

Jordan, Gertrude G., doing business as The Style Silk Web Handkerchief Co. (Not Inc.), Chicago, Ill. Paper handkerchiefs and napkins. 198,588; May 19; Serial No. 167,047; published Mar. 3, 1925.

Kaufmann, Max, & Co., Inc., New York, N. Y. Cotton fabrics. 198,543; May 19; Serial No. 208,668; published Mar. 3, 1925.

Ken-Mar Hosiery Mills. (See Woltman, August P.)

Keystone Steel & Wire Company, Bartonville, Peoria, Ill. Wire fence. 198,437; May 19; Serial No. 204,412; published Mar. 3, 1925.

Keystone Watch Case Company, The. (See Crescent Watch Case Co.)

Kirsch Mfg. Co., Sturgis, Mich. Metal curtain rods. 198,500–2; May 19; Serial No. 205,644–6; published Jan. 27, 1925.

Klotz, H. & G., Paris, France. Perfumery, perfumed powders, toilet vinegar, etc. 198,636; May 19; Serial No. 185,017; published Mar. 10, 1925.

Klotz, H. & G., Paris, France. Brilliantine, hair tonics, toilet water, dentifrices, etc. 198,637; May 19; Serial No. 188,018; published Mar. 10, 1925.

Klotz, Victor; H. & G. Klotz, Paris, France, and New York, N. Y., successors. Toilet soap, perfumery, powders, and similar preparations. 26,029–31; renewed Feb. 12, 1925.

Kraemer, Hamelfarb & Co., doing business as American Distributing Co., Newark, N. J. Beverage sold as soft drink and sirup for making the same. 198,556; May 19; Serial No. 206,201; published Mar. 3, 1925.

Kyte, Lilian G., doing business as Liatal Toilet Co., Cardiff, South Wales. Toilet soaps. 198,604; May 19; Serial No. 202,668; published Mar. 3, 1925.

La Lainiere de Roubaix, Roubaix, France. Paper spool for yarns. 198,525; May 19; Serial No. 207,248; published Mar. 3, 1925.

Lautenschlager, George C., Dayton, Ohio. Compound for treating brake linings of motor vehicles. 198,583; May 19; Serial No. 205,485; published Mar. 3, 1925.

Lichtenstein, William, doing business as Ideal Trading Company, New York, N. Y. Sardines packed in olive oil. 198,433; May 19; Serial No. 204,237; published Mar. 3, 1925.

Lichtenstein, William, doing business as Ideal Trading Company, New York, N. Y. Sardines packed in olive oil. 198,434; May 19; Serial No. 204,239; published Mar. 3, 1925.

Lime Rock Springs Company. (See Gantz, John C.)

Liatal Toilet Co. (See Kyte, Lilian G.)

Los Angeles Down Town Shopping News Company, Los Angeles, Calif. Newspaper sections. 198,599; May 19; Serial No. 199,707; published Mar. 3, 1925.

Maddox, Walter N., Brooklyn, N. Y. Teakwood stands and taboretts, screens, telephone tables, etc. 198,591; May 19; Serial No. 184,554; published Mar. 3, 1925.

Madoff, Barnet, Scranton, Pa. Sanitary support and napkin. 198,630; May 19; Serial No. 202,411; published Mar. 10, 1925.

Marks Coffee Company, Augusta, Ga. Coffee. 198,554; May 19; Serial No. 208,413; published Mar. 3, 1925.

Marshall Field & Company, Chicago, Ill. Piece goods made of silk and partly of silk and partly of artificial silk. 198,561; May 19; Serial No. 207,979; published Mar. 3, 1925.

Martines, Luis G., New York, N. Y. Coffee. 198,488–9; May 19; Serial Nos. 206,014–15; published Feb. 10, 1925.

Master Art Products Company, Chicago, Ill. Combination cigar-cigarette rest and ash receptacle. 198,420; May 19; Serial No. 187,381; published Feb. 24, 1925.

Master Builders Company, The, Cleveland, Ohio. Colored cement, material for patching stone, cement, and concrete, etc. 198,647; May 19.

Mathes, G. C., & Company, New York, N. Y. Ties, cravats, and scarfs. 198,579; May 19; Serial No. 205,937; published Mar. 3, 1925.

Mathieu, Grace E., New York, N. Y. Glass globes for lighting fixtures. 198,509; May 19; Serial No. 206,675; published Feb. 24, 1925.

Mavis Dress Shops, Inc., New York, N. Y. Women's and girls' dresses. 198,609; May 19; Serial No. 208,473; published Mar. 10, 1925.

McGuire, William G., Hollywood, Calif. Safety window lock. 198,660; May 19.

McKay, Edwin B., Chicago, Ill. Tires. 198,657; May 19.

Menley & James, Limited, New York, N. Y. House organ. 198,527; May 19; Serial No. 207,891; published Feb. 17, 1925.

Merrell, Wm. S., & Company, The, Cincinnati, Ohio. Tablets for producing food for infants and invalids. 198,438; May 19; Serial No. 204,563; published Mar. 3, 1925.

Miller, Charles F., Scranton, Pa. Monthly magazine. 198,530; May 19; Serial No. 207,510; published Feb. 17, 1925.

Miller, George C., & Co., Inc., Boston, Mass. Candy. 198,600; May 19; Serial No. 200,572; published Mar. 10, 1925.

Miller, Harry M., doing business as Standard Finish Co., Los Angeles, Calif. Finishing-coat compound for the surfaces of automobiles, etc. 198,486; May 19; Serial No. 206,080; published Mar. 10, 1925.

Minimax G. m. b. H., Berlin, Germany. Fire engines, fire-extinguishing machines, pumps, etc. 198,587; May 19; Serial No. 151,366; published Mar. 3, 1925.

Moore Company, The, Muncie, Ind. Wire mattresses. 198,496; May 19; Serial No. 205,704; published Feb. 24, 1925.

Morgan Memorial Co-Operative Industries and Stores, Inc., Boston, Mass. Rugs, blankets, and towels. 198,448; May 19; Serial No. 205,611; published Feb. 24, 1925.

Mortimer, George, assignor to George Mortimer & Company, Inc., Boston, Mass. Medicated adhesive plasters. 45,276; renewed Aug. 8, 1925.

Mortimer, George, assignor to George Mortimer & Company, Inc., Boston, Mass. Liquid specific for female complaints. 45,284; renewed Aug. 8, 1925.

Motor Tool Specialty Company, Chicago, Ill. Tool boxes for mechanics' use. 198,504; May 19; Serial No. 206,362; published Mar. 3, 1925.

Munro, Robert A., & Company, Limited, Glasgow, Scotland. Fertilisers. 198,536; May 19; Serial No. 207,589; published Mar. 3, 1925.

National Blank Book Co., National Blank Book Company, Holyoke, Mass, successor. Blank books and writing paper. 45,601–2; renewed Aug. 22, 1925.

National Blank Book Co.; National Blank Book Company, Holyoke, Mass., successor. Blank books and writing paper. 45,683; renewed Aug. 29, 1925.

National Decalcomania Corporation, Philadelphia, Pa. Decalcomania for radio panel markers. 198,567; May 19; Serial No. 206,744; published Mar. 3, 1925.

Newcomb-Endicott Company, Detroit, Mich. Magazine published periodically. 198,560; May 19; Serial No. 208,004; published Feb. 17, 1925.

New Hampshire Match Co., The, East Jaffrey, N. H. Matches. 198,424; May 19; Serial No. 190,647; published Feb. 24, 1925.

North Bros. & Co., Baltimore, Md. Dress and negligee shirts. 198,615; May 19; Serial No. 208,253; published Mar. 10, 1925.

Optica, Inc., New York, N. Y. Projecting picture machines, moving-picture-projecting machines, microscopes, etc. 198,634; May 19; Serial No. 194,565; published Mar. 10, 1925.

Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 198,524; May 19; Serial No. 207,092; published Mar. 3, 1925.

Osher Bros., New York, N. Y. Men's coats, vests, trousers, and overcoats. 198,607; May 19; Serial No. 207,028; published Mar. 10, 1925.

Overland Candy Corporation, Chicago, Ill. Chocolate-covered candy bars. 198,528; May 19; Serial No. 207,899; published Mar. 3, 1925.

Paper Novelty Company, The, Green Bay, Wis. Paper napkins. 198,542; May 19; Serial No. 207,796; published Mar. 3, 1925.

Patschke, Benjamin F. (See Granitine Wall Plaster Co.)

Perfumeria Gal, Sociedad Anonima, Madrid, Spain. Toilet soaps. 198,603; May 19; Serial No. 201,622; published Mar. 3, 1925.

Permanent Wave Machine & Supply Corporation, The, New York, N. Y. Trade publication. 198,520; May 19; Serial No. 206,918; published Feb. 17, 1925.

Philadelphia County Medical Society, The, Philadelphia, Pa. Weekly publications. 198,514; May 19; Serial No. 206,748; published Mar. 3, 1925.

Philadelphia Rug Mills Incorporated, Philadelphia, Pa. Rugs. 198,529; May 19; Serial No. 207,400; published Mar. 3, 1925.

Phillips-Jones Corporation, New York, N. Y. Collars. 198,614; May 19; Serial No. 208,256; published Mar. 10, 1925.

Pittsburgh Plate Glass Company, Pittsburgh, Pa. Insecticides and fungicides. 198,644; May 19.

Pond, E. K., Company, Chicago, Ill. Peanut butter. 198,457; May 19; Serial No. 207,688; published Mar. 3, 1925.

Progressive Culinary Association, The, Chicago, Ill. Monthly publications. 198,572; May 19; Serial No. 206,373; published Mar. 3, 1925.

Puritan Cement & Blacking Company, Philadelphia, Pa. Rubber and shellac cements. 198,460; May 19; Serial No. 207,474; published Mar. 3, 1925.

Quaker Maid Candies. (See Reiher, Christian W.)

Quintal, Wilfred, Hartford, Conn. Combined razor strop and hone. 198,503; May 19; Serial No. 206,326; published Feb. 17, 1925.

Rand Company, Inc., North Tonawanda, N. Y. Indicators and index devices, card indexes, ledgers, etc. 198,580; May 19; Serial No. 205,890; published Mar. 3, 1925.

Reading Paper Mills, Reading, Pa. Book papers. 198,568; May 19; Serial No. 206,635; published Mar. 3, 1925.

Reed, Oliver A., Inc., Plainfield, N. J. Enamel cleaner. 198,585; May 19; Serial No. 204,788; published Mar. 3, 1925.

Regal Supply Corporation, New York, N. Y. Bakers' food-flavoring extracts and compounds. 198,601–2; May 19; Serial Nos. 200,962–4; published Mar. 3, 1925.

Reiher, Christian W., doing business as Quaker Maid Candies, Philadelphia, Pa. Candies. 198,652; May 19.

Reilly, John C., and Robert T. Northcutt, doing business as General Packing Co., Philadelphia, Pa. Pure fruit concentrate used in the preparation of soft drinks. 198,480; May 19; Serial No. 203,588; published Mar. 3, 1925.

Reilly, John C., and Robert T. Northcutt, doing business as General Packing Co., Philadelphia, Pa. Pure fruit concentrate for beverage purupoeca. 198,481; May 19; Serial No. 203,589; published Mar. 3, 1925.

Remmers Soap Company, The, assignor to The Remmers-Graham Company, Cincinnati, Ohio. Soaps. 198,595; May 19; Serial No. 190,356; published Mar. 3, 1925.
Rieser Company, Inc., The, New York, N. Y. Japanese tissue paper. 198,431; May 19; Serial No. 203,974; Feb. 17, 1925.
Rimalover & Fernández, New York, N. Y. Castile soap. 198,449; May 19; Serial No. 200,750; published Feb. 17, 1925.
Ripley, Robert L., New York, N. Y. Series of cartoons. 198,531; May 19; Serial No. 207,526; published Feb. 17, 1925.
Robertshaw Thermostat Company, Youngwood, Pa. Thermostats, thermally-controlled valves, and thermoregulators. 198,620; May 19; Serial No. 207,950; published Mar. 10, 1925.
Roubaix Mills, Inc., New York, N. Y. Wool and worsted piece goods. 198,492; May 19; Serial No. 205,838; published Feb. 24, 1925.
Royle, Geo., & Co., Philadelphia, Pa. Drapery cloth. 198,418; May 19; Serial No. 182,065; published Feb. 24, 1925.
Runyan, Arthur L., Los Angeles, Calif. Sheet music. 198,559; May 19; Serial No. 208,017; published Feb. 17, 1925.
Russell & Erwin Manufacturing Company, assignor to The American Hardware Corporation, New Britain, Conn. Door fasteners, checks, locks, latches, and parts thereof. 46,221; renewed Sept. 12, 1925.
Salt's Textile Company, Inc., New York, N. Y. Pile fabrics in the piece. 198,482; May 19; Serial No. 203,605; published Feb. 24, 1925.
San Fernando Heights Lemon Co., San Fernando, Calif. Fresh oranges, lemons, and grapefruit. 198,452; May 19; Serial No. 206,923; published Mar. 3, 1925.
Scott's Business Analysts, Inc., Chicago, Ill. Digests, a monthly publication. 198,596; May 19; Serial No. 190,613; published Mar. 3, 1925.
Scovil, D. & H., Higganum, D. & H. Scovil, Inc., Higganum, Haddam, Conn., successor. Hose. 45,415; renewed Aug. 15, 1925.
Sealastic Co., The. (See Abaeck, Louis.)
Sedberry, James B., Utica, N. Y. Agricultural and milling machinery. 198,629; May 19; Serial No. 204,631; published Mar. 10, 1925.
Sexton, John, and Company, Chicago, Ill. Canned vegetables and fruits, fruit preserve, jams, etc. 198,540; May 19; Serial No. 207,688; published Mar. 3, 1925.
Sheratone Products Corporation, New York, N. Y. Finishing and polishing materials in the nature of varnish. 198,576–7; May 19; Serial Nos. 206,195–6; published Mar. 3, 1925.
Shoecraft Shop, Inc., New York, N. Y. Shoes and slippers, hosiery, etc. 198,593; May 19; Serial No. 188,067; published Mar. 3, 1925.
Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 198,608; May 19; Serial No. 208,489; published Mar. 10, 1925.
Singer, Philip A., & Bro., Inc., Newark, N. J. Dressed furs. 198,642; May 19.
Smith Agricultural Chemical Company, The, Columbus, Ohio. Toilet and porcelain-surface-cleansing powder. 198,454–5; May 19; Serial Nos. 207,268–7; published Mar. 3, 1925.
Smith, William W., assignor to Smith Brothers, Inc., Poughkeepsie, N. Y. Cough drops. 46,275; renewed Sept. 12, 1925.
Southern Pacific Company, Anchorage, Ky.; San Francisco, Calif.; and New York, N. Y. Booklets, circulars, pamphlets, and calendars. 198,426; May 19; Serial No. 191,451; published Feb. 24, 1925.
Sowrite, Inc., New York, N. Y. Fertilizer. 198,566; May 19; Serial No. 207,832; published Mar. 10, 1925.
Spagna & Clinco, New York, N. Y. Razors. 198,622; May 19; Serial No. 207,894; published Mar. 10, 1925.
Spain, Rowland W., doing business as Rowland Spain Co., New York, N. Y. Hosiery. 198,632; May 19; Serial No. 201,109; published Mar. 10, 1925.
Standard Finish Co. (See Miller, Harry M.)
Standard Knitting Mills, Knoxville, Tenn. Men's and boys' knitted shirts, drawers, and union suits. 198,658; May 19.
Standard Textile Products Company, The, Youngstown, Ohio, and New York, N. Y. Table oilcloth. 198,464; May 19; Serial No. 195,547; published Feb. 24, 1925.
Stein, S., & Co., New York, N. Y. Woolen goods. 198,555; May 19; Serial No. 208,364; published Mar. 3, 1925.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 198,440; May 19; Serial No. 204,728; published Mar. 3, 1925.
Stroock, S., & Company, Inc., New York, N. Y. Cashmere and wool cloth. 198,439; May 19; Serial No. 204,573; published Mar. 3, 1925.
Style Silk Web Handkerchief Co., The. (See Jordan, Gertrude G.)
Taylor, W. B., jr., Salisbury, N. C. Nonalcoholic, nonceresl, maltless beverage. 198,656; May 19.
Terry, John C., New York, N. Y. Cartoons. 198,532; May 19; Serial No. 207,533; published Feb. 17, 1925.
Texas Company, The, Houston, Tex., and New York, N. Y. Monthly publications. 198,541; May 19; Serial No. 207,697; published Feb. 17, 1925.
Theonett & Co., Chicago, Ill. Beverages sold as soft drinks and flavored sirup and extracts for making the same. 198,558; May 19; Serial No. 208,028; published Mar. 3, 1925.
Townley Metal and Hardware Company, doing business as Interstate Tool Company, Kansas City, Mo. Hunters' axes, broad hatchets, hammers, etc. 198,633; May 19; Serial No. 199,405; published Mar. 10, 1925.
Tredennick Paint Manufacturing Company, The, Meriden, Conn. Ready-mixed paints, varnishes, and paint enamels. 198,472; May 19; Serial No. 201,114; published Feb. 17, 1925.
Tueckmantel, Hugo, Newark, N. J. Leather hand or traveling bags. 198,571; May 19; Serial No. 206,446; published Feb. 17, 1925.
Twinside, Inc., Milwaukee, Wis. Dress and work shirts. 198,581; May 19; Serial No. 205,800; published Mar. 3, 1925.
Ullmann, John M., New York, N. Y. Monthly magazine. 198,442; May 19; Serial No. 204,877; published Feb. 17, 1925.
Ullmann, Bernhard, Co. Inc., New York, N. Y. Yarns. 198,415; May 19; Serial No. 176,874; published Feb. 24, 1925.
Uniflow Stoker Company, Springfield, Ohio. Stokers. 198,638; May 19.
Valentine's Meat Juice Company, Richmond, Va. Preparation of meat extract. 198,598; May 19; Serial No. 195,084; published Feb. 10, 1925.
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Lubricating oils. 46,780; renewed Oct. 10, 1925.
Van Engers, Inc., Chicago, Ill. Candies. 198,419; May 19; Serial No. 182,192; published Feb. 3, 1925.
Victaulic Company, Limited, The, London, England. Pipes and tubes, joints for pipes and tubes, etc. 198,491; May 19; Serial No. 205,848; published Mar. 10, 1925.
Victor X-Ray Corporation, Chicago, Ill. Tanks for chemical substances. 198,499; May 19; Serial No. 205,689; published Mar. 3, 1925.
Visible Records Equipment Co., Chicago, Ill. Loose-leaf record books. 198,460–1; May 19; Serial Nos. 208,080–1; published Mar. 3, 1925.
Watanabe Bros., Milwaukie, Oreg. Fresh tomatoes, lettuce, and cauliflower. 198,429; May 19; Serial No. 202,684; published Mar. 3, 1925.
West Coast Kalsomine Co., Berkeley, Calif. Calcimine. 198,506; May 19; Serial No. 206,551; published Mar. 10, 1925.
West Indies Fruit Importing Co., Chicago, Ill. Fresh pineapples. 198,478; May 19; Serial No. 202,908; published Jan. 27, 1925.
Western Lithograph Company, Los Angeles, Calif. Printing paper, writing paper, and envelopes. 198,458; May 19; Serial No. 207,700; published Mar. 3, 1925.
Western Lithograph Company, Los Angeles, Calif. Advertising signs. 198,516; May 19; Serial No. 206,813; published Mar. 3, 1925.
Westphal, Adolph, River Forest, Ill. Beverages sold as soft drinks and sirups for making the same. 198,510–11; May 19; Serial No. 206,708–9; published Mar. 3, 1925.
Wheary Trunk Company, Racine, Wis. Wardrobe trunks. 198,569; May 19; Serial No. 206,552; published Mar. 3, 1925.
Wikmanshytte Bruks A /B., Wikmanshyttan, Sweden. Steel ingots, cogged ingots, blooms, and slabs, etc. 198,483–5; May 19; Serial No. 206,265–7; published Mar. 3, 1925.
Williams-Hayward Company, Chicago, Ill. Varnish. 198,573; May 19; Serial No. 206,268; published Mar. 3, 1925.
Williams Soap Company, The, Indianapolis, Ind. Toilet soap. 46,672; renewed Oct. 3, 1925.
Woerheide, William H., Inc., New York, N. Y. Fastening devices for prepared roofing. 198,416; May 19; Serial No. 176,776; published Mar. 10, 1925.
Woerheide, William H., Inc., New York, N. Y. Fastening devices for prepared roofing. 198,417; May 19; Serial No. 178,691; published Mar. 10, 1925.
Woltman, August P., doing business as Ken-Mar Hosiery Mills, Philadelphia, Pa. Ladies' hosiery. 198,616; May 19; Serial No. 208,174; published Mar. 10, 1925.
Worthington Pump and Machinery Corporation, New York, N. Y. Pumping machinery and pumps. 198,621; May 19; Serial No. 207,908; published Mar. 10, 1925.
Wrisley, Allen B., Company, Chicago, Ill. Toilet soap, laundry soap, etc. 198,594; May 19; Serial No. 188,650; published Feb. 24, 1925.
Zellerbach Paper Company, San Francisco, Calif. Typewriting paper. 198,489; May 19; Serial No. 199,964; published Mar. 3, 1925.
Zo-Klean Products Co., Not Inc., Chicago, Ill. Chemical pastes for dry cleaning clothing. 198,493; May 19; Serial No. 205,808; published Feb. 24, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Beauty Cigar Company, Toronto, Ohio. Acme. For Cigars. 28,685; May 19.
Day, James B., & Co., Chicago, Ill. Day's Shellac Guarantee. For Shellac. 28,686; May 19.
Denver Soap & Manufacturing Co., The, Denver, Colo. Columbine White. For Soap. 28,687; May 19.
Eastern Bakers Consolidated, Inc., Boston and Peabody, Mass. Parker House Bread. For Bread. 28,688; May 19.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. American Beauty. For Pasteurized Brick-Loaf Cheese. 28,689; May 19.
Lewis, Mears Company, Boston, Mass. Autocrat Table Eggs. For Eggs. 28,690; May 19.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Bryant and Chapman Company, Hartford, Conn. B & C. For Butter. 28,691; May 19.
Menasha Printing and Carton Company, Menasha, Wis., assignors to Centrox Dairy Incorporated, Centerville, Iowa. Centrox. For Butter. 28,692; May 19.
Newark Paraffine & Parchment Paper Co., Newark, N. J., and New York, N. Y. Daisy Bread. For Bread. 28,693; May 19.
Northern Paper Mills, Green Bay, Wis. Jap. For Toilet Paper. 28,694; May 19.
Partola Incorporated, Jersey City, N. J. Partos 'Mountains' Secret.' For General System Purifier and Tonic. 28,695; May 19.
Pauwela Pineapple Company, San Jose, Calif. Shipping Symbol of Pauwela Pineapple Co. For Canned Pineapple. 28,696; May 19.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. Lewis' Lye. For Lye. 28,697; May 19.
Rogers, T. T., Syndicate, Lockhart, Tex. Chocolate Breakers. For Chocolate Shell for Containing Ice Cream. 28,698; May 19.
Rosedor Cigarette Co., New York, N. Y. Longfellow. For Cigarettes. 28,699; May 19.
Schurmann, W. A., & Company, Inc., Chicago, Ill. Blue Ridge Farms. For Eggs. 28,700; May 19.
Wilcox Fruit Co., Santa Clara, Calif. W. For Fresh Pears. 28,701. May 19.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Berry Bros. Inc., Detroit, Mich. Make your Home Homelike with Berry Brothers Varnishes, Enamels, Stains. For Varnishes, Enamels, Stains. 7,932; May 19.
Colgate & Company, Jersey City, N. J. "Smiling teeth" morning noon and night. For Colgate's Ribbon Dental Cream. 7,933; May 19.
Eaton, Crane & Pike Co., Pittsfield, Mass. Intuition. For Eaton's Highland Linen and Crane's Writing Papers. 7,934; May 19.
Eaton, Crane & Pike Co., Pittsfield, Mass. Cour "Ts" Tell on you. For Eaton's Highland Linen and Crane's Linen Lawn. 7,935; May 19.
Eaton, Crane & Pike Company, Pittsfield, Mass. Character. For Eaton's Highland Linen and Crane's Writing Papers. 7,936; May 19.
Edison Lamp Works of General Electric Co., Harrison, N. J. Edison Mazda Lamps for your car. For Mazda Lamp. 7,937; May 19.
Edison Lamp Works of General Electric Co., Harrison, N. J. For your car Edison Mazda Lamps. For Mazda Lamps. 7,938; May 19.
Heins, H. J., Co., Pittsburgh, Pa. Discovered! The secret of a good appetite! For Heins 57 Varieties. 7,939; May 19.
Heins, H. J., Co., Pittsburgh, Pa. —And then we label it Heins. For Heins 57 Varieties. 7,940; May 19.
Heins, H. J., Company, Pittsburgh, Pa. Heinz Mince Meat. For Heins 57 Varieties. 7,941; May 19.
Heins, H. J., Company, Pittsburgh, Pa. Heins Cream Soups. For Heins 57 Varieties. 7,942; May 19.
Heins, H. J., Company, Pittsburgh, Pa. Heinz Beans Are Baked in Real Ovens. For Heins 57 Varieties. 7,943; May 19.
Hill, W. H., Co., Detroit, Mich. Cascara Quinine. For Hill's Cascara Quinine. 7,944; May 19.
Jantzen Knitting Mills, Portland, Oreg. Your weight is your size in a Jantzen. For Bathing Suits, Knitted Wear. 7,945; May 19.
Jell-O Company, Inc., The, New York, N. Y. So easy to make. For Jell-O—a Dessert Preparation. 7,946; May 19.
MacVeagh, Franklin, & Company, Chicago, Ill. "First every morning." For Coffee. 7,947; May 19.
Marsh, C. A., & Co., Attleboro, Mass. Johnny Toggle-grip. For Buckles. 7,948; May 19.
North Bro's M'f'g Co., Philadelphia, Pa. Blizzard Freezer. For Ice-Cream Freezers. 7,949; May 19.
Nyal Company, Detroit, Mich. Nylotis Aids To Beauty Show only in Results. For Toilet Preparations. 7,950; May 19.
Runkel Brothers, Inc., New York, N. Y. Mother, I just love my milk with Runkomalt. For a Chocolate-Flavored Malted Food Preparation. 7,951; May 19.
Washburn Crosby Co., Minneapolis, Minn. For That Ravenous After-School Appetite. For Gold Medal Flour. 7,952; May 19.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. B. C. Stores, Incorporated, The, Houston, Galveston, and Beaumont, Tex. Paper napkins and toilet paper. 208,775; May 19.
Abrams & Linden, New York, N. Y. Furs. 211,144–5; May 19.
Ach, Laurence R., Cincinnati, Ohio. Ladies' hats. 207,051; May 19.
Active Carbon Corporation, Trenton, N. J. Decolorizing carbons. 210,018; May 19.
Air Reduction Company, Incorporated, New York, N. Y. Oxyacetylene welding and cutting apparatus. 210,337; May 19.
Alford, Harry L., Chicago, Ill. Sheet music. 211,316; May 19.
American Nut and Spice Company. (See Bowie, Florence E.)
American Stainless Steel Company, Pittsburgh, Pa. Kitchen knives, forks, and spoons, carving knives, etc. 208,504; May 19.
Arabol Mfg. Co., The, New York, N. Y. Wheat paste powder. 198,219; May 19.
Arbest Wringer Company. (See Dunphy, Thomas A.)
Artzcraft Broom Co. (See Field, William A.)
Asbury Mills, The, New York, N. Y. Knitted bathing suits. 211,822; May 19.
Associated Merchandising Corporation, Newark, N. J., and New York, N. Y. Corsets and brassières. 189,282; May 19.
Atlantic Spice Company, The. (See Bird, John, Company.)
Austin, Herbert, Northfield, near Birmingham, England. Automobiles and parts thereof. 208,505; May 19.
Awad, Leo J., Shenandoah, Pa. Washing and cleaning compound. 212,776; May 19.
Ayres, F. H., Limited, London, England. Archery sets. 212,567; May 19.
Baldpate Company, Inc., New York, N. Y. Hair tonic. 211,318; May 19.
Baton Rouge Coffee Mills. (See Saurage, Henry N.)
Baum, Benj. J., Co., San Francisco, Calif. Chocolate-covered candy confection. 211,249; May 19.
Baumberger, Fred, Washington, Pa. Picnic-ham salad. 209,377; May 19.
Bausch and Lomb Optical Company, Rochester, N. Y. Ophthalmic mountings and parts thereof. 199,207; May 19.
Berkeley, Mildred A., doing business as Bob & Betty Shop, Kansas City, Mo. Children's dresses, frocks, coats, etc. 210,702; May 19.
Bevil, Inc., New York, N. Y. Nail polish. 210,112; May 19.
Billings, Mildred Q., Kansas City, Mo. Children's dresses and children's dresses cut out and ready to finish by seaming. 208,953; May 19.
Bird, John, Company, doing business as The Atlantic Spice Company, Rockland, Me. Cream of tartar, saleratus, soda, etc. 194,689; May 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bishop & Company, Los Angeles, Calif. Cocoa. 194,891; May 19.
Bissell Carpet Sweeper Co., Grand Rapids, Mich. Carpet sweepers. 212,476; May 19.
Bissel Carpet Sweeper Co., Grand Rapids, Mich. Toy carpet sweepers. 212,477; May 19.
Blakeney, Bernard J., Johnson City, N. Y. Cigars. 207,546; May 19.
Bob & Betty Shop. (See Berkeley, Mildred A.)
Bockstein, H. S., doing business as H. S. Bockstein Co., Brooklyn, N. Y. Handkerchiefs. 210,219; May 19.
Bongiovanni, Antonio, doing business as Bonjilliore Distributor, Barnesboro, Pa. Hairdressing. 211,570; May 19.
Bonjilliore Distributor. (See Bongiovanni, Antonio.)
Bowie, Florence E., doing business as American Nut and Spice Company, Albany, N. Y. Salted, shelled, and candied nuts, potato chips, etc. 206,473; May 19.
Boyer, Frank A., doing business as Boyer & Co., Philadelphia, Pa. Shoe polishes. 211,656; May 19.
Bracken Brothers, Corry, Pa. Butter. 209,275; May 19.
Brillo Manufacturing Company, Brooklyn, N. Y. Polish for hardwood surfaces, furniture, and automobiles. 192,890; May 19.
Broomhall, Edward M., Harrisburg, Pa. Name cards. 202,433; May 19.
Brown & Bigelow, St. Paul, Minn. Periodical particularly adapted to banks and banking interests. 207,916; May 19.
Bruno, C., & Son., Inc., New York, N. Y. Musical-instrument cases. 211,407; May 19.
Burkhardt, Frederic T., Holyoke, Mass. Writing paper. 203,667; May 19.
California Almond Growers Exchange. San Francisco, Calif. Almond butter. 198,283; May 19.
California Almond Growers Exchange, San Francisco, Calif. Composition to be spread on sandwiches. 198,284; May 19.
California Art Supply Co. (See Steere, C. H.)
Camlin Corset Co. Inc., New York, N. Y. Combination brassière and corset. 208,566; May 19.
Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Grain separating and cleaning machines and automatic weighing feeders. 210,711; May 19.
Caspar Lubricants, Inc., New York, N. Y. Lubricating oils, greases, and compounds. 190,575; May 19.
Caumont, Leon F., doing business as The Kemolene Company, New York, N. Y. Remedy for premature baldness or grayness, dry, brittle, etc., hair. 212,238; May 19.
Champagne, Alphone B. D., doing business as Massachusetts Sales Service, Lowell, Mass. Metal and glass polish. 192,066; May 19.
Chemische Fabrik Pott & Co., Dresden, Germany. Preparations for washing and cleaning wool, cotton wool, and cotton yarns, etc. 196,435; May 19.
Cincinnati Planer Company, The, Cincinnati, Ohio. Metal planers. 211,153; May 19.
Cisco, Inc., New York, N. Y. Mufflers. 209,975; May 19.
Cleveland Company, The, Cleveland, Ohio. Newspapers. 211,783; May 19.
Cole, Herschel F., Los Angeles, Calif. Composition of date and agar. 210,365; May 19.
Columbus Vending Company, The, Columbus, Ohio. Vending machine. 200,612; May 19.
Corby Baking Co. Inc., The, Washington, D. C., assignor to The Corby Baking Co., Inc. Bread and cake. 198,987; May 19.
Corrugated Paper Mills, Natick, Mass. Corrugated shipping containers, boxes, cartons, tubes, and board. 210,606; May 19.
Coso Hot Springs, Inc., Coso Hot Springs and Los Angeles, Calif. Medicinal mineral water and mineral muds. 208,643. May 19.
Creamette Company, The, Minneapolis, Minn. Potato chips, candy, seedless raisins, canned goods, etc. 194,979; May 19.
Cuneo, Louise R., doing business as John B. Cuneo & Sons, Boston, Mass. Bottled spaghetti sauce. 200,563; May 19.
Cutrona, Joseph S., doing business as Gold Seal Specialty Co., Buffalo, N. Y. Hair lotion and hair-fixing solution. 210,224; May 19.
Da-Lite Screen & Scenic Co., The, Chicago, Ill. Motion-picture screens. 212,596; May 19.
Daniel Grocery Company, Murphysboro and West Frankfort, Ill. Canned tomatoes, pumpkin, spinach, red beets, etc., relishes, flour, etc. 207,973; May 19.
Davison, George E., St. Helens, Oreg. Caskets, casket containers, and septic tanks. 208,459; May 19.
De Haven Manufacturing Company, Brooklyn, N. Y. Corrugated-steel fasteners. 212,060; May 19.
Delica Laboratories, Inc., Chicago, Ill. Lip sticks, powder, and rouge. 207,975; May 19.
Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Chemicals for destroying vermin, animal and plant pests. 204,225; May 19.
Dollar Bill Sales Company, Chicago, Ill. Coffee. 212,372; May 19.
Dunphy, Thomas, doing business as Arbest Wringer Company, Chicago, Ill. Mop wringer. 206,564; May 19.
Duo Laboratories, Inc., Highland Park, N. J. Liquid adhesive. 210,890; May 19.
Duofold Health Underwear Company, Mohawk, N. Y. Knitted underwear. 211,668; May 19.
Duquesne Paint Company, Pittsburgh, Pa. Ready-mixed paints, colors in oil, and white lead. 211,341; May 19.
Elder Mfg. Co., St. Louis, Mo. Men's and boys' dress, negligee, work, and under shirts and boys' and children's blouses. 194,596; May 19.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,066; May 19.
Engel, Jos., Co., New York, N. Y. Magazine published periodically. 212,243; May 19.
Erskine Engineering Company, Jacksonville, Fla. Automobile parts and accessories and automobiles. 207,494; May 19.
Eveready Mfg. Company of Boston, Worcester, Mass. Metallic staple tape. 210,957; May 19.
Evias Co., The. (See Schmidt, Samuel M.)
Fairfax Textile Mills, Inc., New York, N. Y. English broadcloth, a woven cotton fabric. 208,184; May 19.
Feldstein & Kramer, New York, N. Y. Men's caps. 210,607–8; May 19.
Fiandt, H. D., Wolcottville, Ind. Automobile polish and polish for enameled surfaces and woodwork. 191,125; May 19.
Field, William A., doing business as Artzcraft Broom Co., Kansas City, Mo. 203,946; May 19.
Florsheim Shoe Company, The, Chicago, Ill. Shoes made of leather. 210,542; May 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 211,913; May 19.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 211,915–27; May 19.
Fox, Peter, Sons Co., The, Chicago, Ill. Dressed poultry and eggs. 197,537; May 19.
Franklin Simon & Co., Inc., New York, N. Y. Perfumizers. 212,429; May 19.
Fries & Fries Co., The, Cincinnati, Ohio. Concentrated fruit juices. 205,404–5; May 19.
Fuller-Morrison Company, Chicago, Ill. Boric acid, oxalic acid, alum, borax, licorice, etc. 210,655; May 19.
Gall-Oakley & Allen, Inc., New York and Long Island City, N. Y. Dry and ready-mixed paints. 211,264–5; May 19.
Galliher, Edward M., doing business as Peoples Drug Company, Muncie, Ind. Face and hand lotion. 209,291; May 19.
Game Balls Company Limited, The, Brentford, England. Golf, cricket, hockey, lacrosse, etc., balls and bowls. 199,158–9; May 19.
Gately Clothing Co., Chicago, Ill. Men's coats, vests, pants, and suits. 211,526; May 19.
Georgopoulos, Manoel J., New York, N. Y. Medicinal salve. 210,056; May 19.
Gerber & Co., Inc., New York, N. Y. Cheese. 206,833; May 19.
Gillespie Brothers, Newburgh, N. Y. Advertising display signs. 192,971; May 19.
Girard & Co., Inc., Bridgeport, Conn., and Mount Vernon, N. Y. Polish for painted, varnished, or polished surfaces. 210,379; May 19.
Globe Soap Company, The, Cincinnati, Ohio. Soap flakes. 202,168; May 19.
Gold Dust Corporation, Jersey City, N. J. Shoe polish, shoe paste, and shoe dressing. 212,133; May 19.
Gold Hosiery Co., New York, N. Y. Hosiery. 211,676; May 19.
Gold Seal Specialty Co. (See Cutrona, Joseph S.)
Golden Grain Juice Company, Minneapolis, Minn. Ginger ale. 212,134–6; May 19.
Golding Fabrics Corporation, New York, N. Y. Fabrics made of silk. 203,082; May 19.
Goldstein-Wilkins Corporation, New York, N. Y. Textile fabrics—namely, silk, artificial silk, wool, etc. 210,961; May 19.
Goodson, J. F., & Co. Inc., and also doing business as J. F. G. Coffee Company, Morristown, Tenn. 208,187; May 19.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Golf balls. 212,330; May 19.
Great Atlantic and Pacific Tea Company, The, Jersey City, N. J. Marmalade. 211,027; May 19.
Greenberg, Max, & Co., New York, N. Y. Dresses, dress waists, outer suits, and coats. 209,404; May 19.
Gregory, Edith R. (See Gregory, Frank H.)
Gregory, Frank H., doing business as E. R. Gregory, Bay City, Mich. Face and sachet powder and perfume. 211,590; May 19.
Griscom-Russell Company, The, New York, N. Y. Evaporators, deaerators, and heat exchangers. 211,528; May 19.
Guilmont & Peters, Chicago, Ill. Chemical compound used as a tint for the hair. 209,914; May 19.
Haas Brothers, San Francisco, Calif. Fresh citrous and decidnous fruits, fresh grapes, and canned fruits. 212,254; May 19.

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Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool. 205,530; May 19.
Haines Manufacturing Corporation, Rochester, N. Y. Automobile radiator ornament. 208,850; May 19.
Hall, S. Roland, Easton, Pa. Bimonthly publication. 211,355; May 19.
Happy Hen Remedy Company. (See Staples, T. Vaughan.)
Hartmann Food Products Co., Inc., The, New York, N. Y. Imitation macaroon paste. 211,168; May 19.
Haynes, Harvey S., doing business as H. S. Haynes Manufacturing Company, Minneapolis, Minn. Liquid compound for stopping leaks in automobile radiators, furnaces, etc. 208,983; May 19.
Heberlein & Co., A. G., Rietwiss, Wattwil, Switzerland. Yarns. 212,436; May 19.
Heberlein & Co., A. G., Rietwiss, Wattwil, Switzerland. Fabrics and embroideries. 212,437; May 19.
Held, Anna, Corporation, New York, N. Y. Cosmetics. 211,591; May 19.
Helmrich, Thekla K., doing business as The Verdan Company, San Francisco, Calif. Hand lotion. 212,381; May 19.
Hercules Powder Company, Wilmington, Del. Rosin. 211,209–10; May 19.
Holden-Leonard Co., New York, N. Y. Worsted and woolen textile fabrics. 211,933–4; May 19.
Hollenbeck, D. J., Walnut Grove, Calif. Fresh deciduous fruits. 212,259; May 19.
Hollingsworth Candy Co., doing business as Sweetly Yours Candy Co., Augusta, Ga. Candy. 212,260; May 19.
Holyoke Belting Company, Holyoke, Mass. Belt cement and reducer therefor. 212,261; May 19.
Hooper Paper & Twine Co., Inc., Philadelphia, Pa. Twine and rope. 210,455; May 19.
Houghton, E. F., & Co., Philadelphia, Pa. Round leather cord and leather belting. 206,169; May 19.
House of A. Blatt Inc., The, New York, N. Y. Wigs. 205,011; May 19.
Hustler Toy Corporation, Sterling, Ill. Toys and games. 209,846; May 19.
Ican Slipper Company, Inc., New York, N. Y. Shoes and slippers. 211,031; May 19.
Italian American Paste Co. Inc., San Francisco, Calif. Alimentary pastes. 211,595; May 19.
Ivanhoe Fruit Association, Ivanhoe, Calif. Fresh deciduous fruits and fresh grapes. 208,404; May 19.
J. F. G. Coffee Company. (See Goodson, J. F., & Co.)
Jacobs, E. H., Manufacturing Company, The, Danielson, Conn. Loom pickers. 206,308; May 19.
Jasmine Ink Corporation, Norfolk, Va. Liquid paste. 209,576; May 19.
Jelke, John F., Company, Chicago, Ill. Prepared fatty oleaginous food substitutes. 207,580; May 19.
Journal of Commerce Publishing Co., Chicago, Ill. Periodicals. 212,087; May 19.
Kahn, Walter C., Woodmere, N. Y. Leather pocketbooks. 211,035; May 19.
Kanstoroom, David S., doing business as Physicians Endolin Bureau, Chicago, Ill. Pharmaceutical preparation for ovarian and testicular insufficiencies and kindred ailments. 211,108; May 19.
Kanter, Jacob A., Chicago, Ill. Mixing boxes made of a combination of wood and metal. 196,523; May 19.
Kemolene Company, The. (See Caumont, Leon F.)
Key Manufacturing Company, The, Cleveland, Ohio. Puncture plug for automobile tires. 211,479; May 19.
Kimball, C. M., Company, Winthrop, Mass. Furniture polish. 211,480; May 19.
Kirk, James S., & Company, Chicago, Ill. Soap. 192,329; May 19.
Kitzinger, Harry, doing business as Harry Kitzinger & Company, New York, N. Y. Children's coats. 211,360; May 19.
Koken Companies, St. Louis, Mo. Dandruff remedy. 212,274; May 19.
Kraft Cheese Company, Chicago, Ill. Cheese. 208,990; May 19.
Krover, Grace M., doing business as Motor Meals Company, Los Angeles, Calif. Canned prepared meals. 192,182; May 19.
Levitt, Chas. H., & Co. Inc., New York, N. Y. Sweaters, bathing suits, shawls, etc. 210,968; May 19.
Levy & Gort, New York, N. Y. Children's and girls' dresses. 209,414; May 19.
Lewis, Samuel, New York, N. Y. Mops. 210,567; May 19.
Lime Cola Bottling Company, Roxboro, N. C. Nonalcoholic, noncereal, maltless beverage. 209,579; May 19.
Long Island Star Publishing Co., Long Island City, dresses. 209,414; May 19.
Lotus, Limited, Stafford, England. Boots and shoes. 210,179; May 19.
MacLachlan, George F., Royal Oak, Mich. Liquid preparation for killing bugs and insects. 211,938; May 19.
MacMonnies, Wallace, New York, N. Y. Canned fish. 212,337; May 19.
Maggioros & Rousos, Rochester, N. Y. Olive oil. 200,400; May 19.
Magnesia Fertilizer Co. Inc., New York, N. Y. Fertilizers. 212,500; May 19.
Marin's Garden, Kirkwood, Mo. Seeds. 208,858–9; May 19.
Marshall-Wells Company, Duluth, Minn. Rag mantles. 210,852; May 19.
Marshall-Wells Company, Duluth, Minn. Fish lines, rods, reels, hooks, and baits. 212,626; May 19.
Marvell Pharmacal Co., Inc., The, New York, N. Y. Preparation composed of the following endocrine derivatives—viz, pituitary, thyroid, etc. 212,012–18; May 19.
Marvell Pharmacal Co. Inc., The, New York, N. Y. Medicinal preparations. 212,191; May 19.
Massachusetts Sales Service. (See Champagne, Alphonse B. D.)
Maurice, R., & Co., Limited, Willesden, London, England. Bread, biscuit, biscuit meal, pastry flour, macaroni, etc. 209,801; May 19.
McCabe, G. B., Merced, Calif. Fresh tomatoes. 201,005; May 19.
McGavins Bread Inc., Denver, Colo. Whole-wheat bread. 203,829; May 19.
McGrath Shoe Co., Inc., New York, N. Y. Children's leather shoes. 179,415; May 19.
McLaurin-Jones Co., Brookfield, Mass. Corrugated-paper boxes. 211,603; May 19.
Medal Brick & Tile Co., The, Cleveland, Ohio. Brick. 211,366; May 19.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Dentifrice. 212,016; May 19.
Mersel & Hirschhorn, New York, N. Y. Rye bread. 209,802; May 19.
Miller, Guy S., doing business as G. S. Miller and Co., Torrington, Conn. Lubricant used in gasoline. 209,804; May 19.
Miller, Jacob, Sons & Co., Philadelphia, Pa. Shirtings. 156,589; May 19.
Mills Novelty Company, Chicago, Ill. Flavored sugar tablets (candy). 186,564; May 19.
Mirski, Aaron J., New York, N. Y. Pencil in combination with a point protector and unit. 205,610; May 19.
Molatch, Allan O., New York, N. Y. Chemical solvent and water-softening compound used for cleansing purposes. 208,714; May 19.
Morgan, William C., Everett and Tacoma, Wash. Lunches. 190,122; May 19.
Motor Meal Company. (See Kroyer, Grace M.)
Muller, Lawrence, San Francisco, Calif. Hair tonic. 212,010; May 19.
Munn, John R., doing business as J. R. Munn Co., New York, N. Y. Cotton, silk, and wool shirtings and mixtures of the same and woolen piece goods. 209,052; May 19.
Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Threads and yarn of artificial silk, cotton, linen, etc. 211,538; May 19.
Nathan, Joseph, & Co., Limited, London, England. Preparation consisting principally of dried milk, cocoa, barley kernels, and malt for making a beverage. 208,861; May 19.
National Fabric and Finishing Company, Boston, Mass. Khaki-colored cotton textiles, etc. 207,822; May 19.
National Sign Corporation, Kokomo, Ind. Signs and bulletin boards. 207,877; May 19.
Never-Burn Hot Plate Co., Kansas City, Mo. Hot plates. 208,308; May 19.
Nopin Didy Co., Inc., Atlantic City, N. J. Diapers and cut bandages. 193,615; May 19.
Northwestern Leather Company, Boston, Mass. Leather. 211,373; May 19.
Ohrbach's Affiliated Stores, Inc., New York, N. Y. Monthly publications. 210,977; May 19.
Olmstead Corporation, Springfield, Mass. Corsets, girdles, brassières, etc. 212,633; May 19.
Onlee Piston Ring Company, The, Baltimore, Md. Piston rings. 210,747; May 19.
Orbolene Company, The, St. Louis, Mo. Preparation for affections of the eye. 212,197; May 19.
Pacific Mills, Lawrence and Boston, Mass. Cotton piece goods. 212,289–90; May 19.
Pacific North West Canning Co., Puyallup, Wash. Canned fruit and berries. 203,901; May 19.
Paris Toilet Company, The, Paris, Tenn. Soaps and more particularly face or complexion soaps. 212,026–7; May 19.
Park & Tilford, New York, N. Y. Chocolates and candies. 210,921; May 19.
Parker-Bridget Company, Washington, D. C. Women's sweaters, skirts, blouses, hats, and dresses. 208,674; May 19.
Partola Incorporated, Jersey City, N. J. General system purifier and tonic. 212,345; May 19.
Paulson Medicinal Well Co., Saratoga, Wyo. Mineral water. 210,182; May 19.
Pecalee-Caulbert Co., Louisville, Ky. Pyroxylin lacquers and paint enamels. 211,228; May 19.
Penney, J. C., Company, Wilmington, Del., and New York, N. Y. Domestic cotton broadcloth piece goods. 211,289; May 19.

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Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. General cleansing preparation with water-softening properties. 204,324; May 19.
Peoples Drug Company. (See Gallihar, Edward M.)
Phelps, Frank M., Usk, Wash. Dolls. 210,402; May 19.
Phelps & Sibley Co., Inc., Cuba, N. Y. Feeds for poultry, cattle, and horses. 211,122; May 19.
Physicians Diagnostic Laboratories, Berkeley, Calif. Acidophilus milk, acidophilus concentrated cultures. 210,076; May 19.
Pine Tree Milking Machine Co., Chicago, Ill. Milker units. 210,576; May 19.
Pla Pal Corporation, St. Paul, Minn. Coaster wagons. 210,750; May 19.
Posner, Dr. A., Shoes, Inc., New York, N. Y. Socks and stockings. 211,758; May 19.
Postl, Inc., Chicago, Ill. Massage oil. 209,939; May 19.
Prescott, Herbert F., Albany, N. Y. Collections of clippings from newspapers and magazines. 211,293; May 19.
Procter and Gamble Company, The, Cincinnati, Ohio. Red oil. 177,997; May 19.
Radio Vacuum Cleaner Company, St. Charles, Ill. Vacuum cleaners. 196,620; May 19.
Ranger Reviews, Inc., New York, N. Y. Printed periodical. 211,429; May 19.
Ramires & Co., Ltd., Ville Real de Santo Antonio, Portugal. Preserved fish. 199,850; May 19.
Red Star Oil & Products Co., Inc., Brooklyn, N. Y. Chicken-style fat. 210,620; May 19.
Reese & Reese, Baltimore, Md. Wrapping papers. 201,934; May 19.
Regal Rubber Company, The, Dayton, Ohio. Soles for shoes. 211,124; May 19.
Reinschild Chemical Co., The, New York, N. Y. Treatment of blood diseases. 212,037; May 19.
Reinschild Chemical Co., The, New York, N. Y. Treatment of disease of the middle ear. 212,038; May 19.
Reinschild Chemical Co., The, New York, N. Y. Treatment for fatty degeneration. 212,040; May 19.
Remington Arms Company, Inc., Bridgeport, Conn., and Ilion and New York, N. Y. Ammunition. 204,568; May 19.
Renap Corporation, New York, N. Y. Liquid for cleaning textile fabrics. 201,982; May 19.
Reub. Isaac & Co., Inc., Rochester, N. Y. Men's coats, trousers, vests, and overcoats. 211,803; May 19.
Robstown Cotton Seed Company, Robstown, Tex. Cottonseed for planting purposes only. 211,180; May 19.
Roebling's, John A., Sons Co., Trenton, N. J. Wire rope. 192,784; May 19, 1925.
Rogers, John B., & Company, Chicago, Ill. Baking powder. 123,258; May 19.
Rome Manufacturing Company, Rome, Ga. Men's and boys' suits and pants, shirts, and overalls. 209,000; May 19.
Rosebud Perfume Co. (See Smith, George F.)
Rosi, Giovanni V., Los Angeles, Calif. Ballet slippers, dancing shoes, slippers, and pumps, hosiery, and gloves. 190,130; May 19.
Sandox Chemical Company Ltd., The, Bradford, England. Liquid chemical preparation for use in conjunction with soap and water. 191,409; May 19.
Sanford Pen Company, Inc., New York, N. Y. Fountain pens and fountain-pen caps. 208,487; May 19.
San-Man Chocolates Company, Boston, Mass. Candy. 211,181; May 19.
Saurage, Henry N., doing business as Baton Rouge Coffee Mills, Baton Rouge, La. Coffee. 211,235; May 19.
"Save-M" Fire Extinguisher Company, The, Cincinnati, Ohio. Hand fire-extinguishing apparatus. 211,182; May 19.
Schloss, Adolphe, Fils & Cie., Paris, France. Dolls. 208,424; May 19.
Schmidt, Samuel M., doing business as The Evlas Co., Boston, Mass. Salve for medicinal purposes for burns, scalds, wounds, sores, etc. 211,495; May 19.
Scovill, Edward E., Brookfield, Mass. Dairy and farm products. 200,158; May 19.
Seatown Novelty Co. Inc., New York, N. Y. Mechanical razor stroppers. 211,183–4; May 19.
Selchow & Righter Company, New York, N. Y. Games of picture-puzzle type. 212,299; May 19.
Shaeffer Products Co., Minneapolis, Minn. Salad dressing. 186,805; May 19.
Shaw Publishing Company, Chicago and Galesburg, Ill. Monthly magazine. 199,862; May 19.
Sinsheimer Bro. & Co., Chicago, Ill. Boots and shoes. 212,155; May 19.
Slater, J. & J., Inc., New York, N. Y. Dressed leather. 210,930; May 19.
Smith, George F., doing business as Rosebud Perfume Co., Woodsboro, Md. Remedy for constipation, stomach and liver troubles. 212,206; May 19.
Société Industrielle de Roquefort, Roquefort, France. Cheese. 174,594; May 19.
Sopkin, Louis, Chicago, Ill. Bath robes, aprons, and apron dresses. 211,764; May 19.
Southern Banker Publishing Co., The, Atlanta, Ga. Periodical. 212,047; May 19.
Spearman, John, Shady Dale, Ga. Boll-weevil poison. 212,208; May 19.
Spectro-Chrome Institute Incorporated, Malaga, N. J. Apparatus for registering the color-wave value or radioactive and radioemanative value of the human body, etc. 210,931–2; May 19.
Sperry & Hutchinson Company, The, New York, N. Y. Bedspreads and handkerchiefs. 211,955; May 19.
Spindler, George M., Indianapolis, Ind. Lamp shades and brackets therefor. 210,424; May 19.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 210,690; May 19.
Stapler, T. Vaughan, doing business as Happy Hen Remedy Company, Boston, Mass. Fowl head-lice and body-lice salve, laying tonic, etc. 212,210; May 19.
Steere, C. H., doing business as California Art Supply Co., Palo Alto, Calif. Art clay. 210,509; May 19.
Stifel, J. L., & Sons, Wheeling, W. Va. Cotton piece goods. 209,060; May 19.
Stifel, J. L., & Sons, Wheeling, W. Va. Prints, drills, and denims in the piece. 209,109; May 19.
Supple-Biddle Hardware Company, Philadelphia, Pa. Coaster wagon. 210,587; May 19.
Sweetly Yours Candy Co. (See Hollingsworth Candy Co.)
Tacoma Veneer Company, Tacoma, Wash. One-ply boards to which paper has been applied on both sides. 210,865; May 19.
Taunton Rubber Company, Taunton, Mass. Rubber heels. 212,304; May 19.
Thanhouser & Weiller, Baltimore, Md. Boys' suits. 211,813; May 19.
Thirose Co., Newark, N. J. Toilet cream. 212,462; May 19.
Tip Top Bottling Co., St. Louis, Mo. Beverage. 211,765; May 19.
Todd, Margaret F., Glendale, Calif. Women's hats. 197,632; May 19.
Triangle Cheese Company, Monroe, Wis. Cheese. 204,941; May 19.
Tribune Company, The, Chicago, Ill. Special newspaper articles. 211,880; May 19.
Tristate Baking Company, Inc., Flint, Mich. Bread. 210,026; May 19.
United Drug Company, Boston, Mass. Nursing nipples. 211,140–1; May 19.
United States Gypsum Company, Chicago, Ill. Plaster board, plaster wall board, gypsum roof tile and floor domes, etc. 205,717; May 19.
Up-To-Date Machine Works, Inc., Chicago, Ill. Hat, clothes, and cleaning brushes. 205,255; May 19.
Van Reen, Peter, & Sons, Paterson, N. J. Hosiery and underwear. 207,036; May 19.
Vegetarian Food and Nut Co., Washington, D. C. Peanut butter. 211,537; May 19.
Verdan Company, The. (See Helmrich, Thekla K.)
Waddell, Guy A., doing business as The Waddell Medicine Co., Detroit, Mich. Preparation for the treatment of tuberculosis. 201,385; May 19.
Walthour & Hood Company, Incorporated, Atlanta, Ga. Children's bicycles, velocipedes, fishing rods, etc. 210,203; May 19.
Washburn-Crosby Company, Minneapolis, Minn. Cereal breakfast food product. 209,446; May 19.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 210,260; May 19.
Washburn-Crosby Company, Minneapolis, Minn. Wheat flour. 211,143; May 19.
Weil-Kalter Mfg. Co., St. Louis, Mo. Princess slips, bloomers, step-ins, etc. 211,883; May 19.
Weyand, Charles E., & Co., New York, N. Y. Tablets with envelopes to match, packed in a portfolio. 202,652; May 19.
Wilson Brothers, Chicago, Ill. Neckties. 211,884; May 19.
Windsor Drug Corp. Inc., Camden, N. J. Tonic for building up and invigorating the human system. 208,884; May 19.
Windsor Soap Co., Inc., Buffalo, N. Y. Soap. 211,728; May 19.
Winkler, Margaret J., New York, N. Y. Motion pictures. 211,729; May 19.
Wolf, Louis, & Co., New York, N. Y. Mechanical toys. 211,560; May 19.
Wollensak Optical Co., Rochester, N. Y. Field glasses. 212,516; May 19.
Woodworth, Inc., New York, N. Y. Face powders, toilet waters, rouges, etc. 212,166; May 19.
York Manufacturing Co. Inc., New York, N. Y. Cotton piece goods. 211,886; May 19.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Furs, Dressed. Philip A. Singer & Bro., Inc. 198,642; May 19.
Leather. Deitsch Brothers. 198,634; May 19.

CLASS 2.

Cases or boxes, Wood shipping. General Box Company. 198,444–5; May 19; Serial Nos. 205,160–1; published Mar. 3, 1925.
Spool for yarns, Paper. La Lainiere de Roubaix. 198,525; May 19; Serial No. 207,248; published Mar. 3, 1925.
Tool boxes. Motor Tool Specialty Company. 198,504; May 19; Serial No. 206,362; published Mar. 3, 1925.
Vaults, Grave. Gallon Metallic Vault Co. 198,535; May 19; Serial No. 207,560; published Mar. 3, 1925.

CLASS 3.

Bags, Leather hand or traveling. H. Tueckmantel. 198,571; May 19; Serial No. 206,446; published Feb. 17, 1925.
Cosmetic cases and parts thereof, fare and coin boxes. Lucille Buhl Vanity Products, Inc. 198,586; May 19; Serial No. 204,393; published Feb. 17, 1925.
Trunks, Wardrobe. Wheary Trunk Company. 198,569; May 19; Serial No. 206,552; published Mar. 3, 1925.

CLASS 4.

Cleaner, Enamel. Oliver A. Reed, Inc. 198,585; May 19; Serial No. 204,788; published Mar. 3, 1925.
Cleaning clothing, Chemical pastes for dry-. Ze-Klean Products Co. 198,493; May 19; Serial No. 205,808; published Feb. 24, 1925.
Cleaning powder, Toilet and porcelain-surface-. Smith Agricultural Chemical Company. 198,454–5; May 19; Serial Nos. 207,266–7; published Mar. 3, 1925.
Cleaning, scouring, and polishing wads, pads, rolls, and cloths. Brillo Manufacturing Company. 198,487; May 19; Serial No. 206,056; published Feb. 17, 1925.
Cleaning, scouring, and polishing wads, rolls, and cloth. Brillo Manufacturing Co. 198,496; May 19; Serial No. 205,738; published Feb. 17, 1925.
Compound for treating brake linings of motor vehicles. G. C. Lautenschlager. 198,583; May 19; Serial No. 205,485; published Mar. 3, 1925.
Mineral product for cleaning tile, marble, wood, etc. Blue Seal Cleansers, Inc. 198,465; May 19; Serial No. 198,338; published Aug. 12, 1924.
Polishes and bottle cleaners, Metal. F. Hildner. 198,584; May 19; Serial No. 205,273; published Mar. 3, 1925.
Razor strop and hone, Combined. W. Quintal. 198,502; May 19; Serial No. 206,326; published Feb. 17, 1925.
Soap. Remmers Soap Company. 198,595; May 19; Serial No. 190,356; published Mar. 3, 1925.
Soap and soap chips. Allen B. Wrisley Company. 198,594; May 19; Serial No. 188,650; published Feb. 24, 1925.
Soap, Castile. Rimalover & Fernandez. 198,449; May 19; Serial No. 200,750; published Feb. 17, 1925.
Soap, perfumery, powders, etc., Toilet. V. Klotz. 26,029–31; renewed Feb. 12, 1925.
Soap, Toilet. Williams Soap Company. 46,672; renewed Oct. 3, 1925.
Soaps. Colloidal Soap Products Corporation. 198,578; May 19; Serial No. 206,220; published Mar. 3, 1925.
Soaps, Toilet. L. G. Kyte. 198,604; May 19; Serial No. 202,668; published Mar. 3, 1925.
Soaps, Toilet. Perfumeria Gal, Sociedad Anonima. 198,603; May 19; Serial No. 201,622; published Mar. 3, 1925.
Soaps, Toilet and laundry. Beaver Soap Co. 46,363; renewed Sept. 12, 1925.

CLASS 5.

Cements, Rubber and shellac. Puritan Cement & Blacking Company. 198,456; May 19; Serial No. 207,474; published Mar. 3, 1925.

CLASS 6.

Brilliantine, toilet water, dentifrices, etc. H. & G. Klotz. 198,637; May 19; Serial No. 188,018; published Mar. 10, 1925.
Cough drops. W. W. Smith. 46,275; renewed Sept. 12, 1925.
Insecticides and fungicides. Pittsburgh Plate Glass Company. 198,644; May 19.
Perfume, toilet water, talcum and face powders, rouge, etc. A. P. Babcock Co. 198,553; May 19.
Perfumery, perfumed powders, toilet vinegar, etc. H. & G. Klotz. 198,636; May 19; Serial No. 188,017; published Mar. 10, 1925.
Plasters, Medicated adhesive. G. Mortimer. 45,276; renewed Aug. 8, 1925.
Specific for female complaints, Liquid. G. Mortimer. 45,284; renewed Aug. 8, 1925.

CLASS 8.

Ash receiver. Delta Electric Company. 198,446; May 19; Serial No. 205,268; published Mar. 3, 1925.
Cigar-cigarette rest and ash receptacle, Combination. Master Art Products Company. 198,420; May 19; Serial No. 187,581; published Feb. 24, 1925.
Smokers' articles. L. Bamberger & Company. 198,435; May 19; Serial No. 204,296; published Mar. 3, 1925.
Tobacco pipes, cigar and cigarette holders. W. Hendrikx. 198,505; May 19; Serial No. 206,523; published Feb. 24, 1925.

CLASS 9.

Matches. New Hampshire Match Co. 198,424; May 19; Serial No. 190,647; published Feb. 24, 1925.

CLASS 10.

Fertilizer. Sowrite, Inc. 198,566; May 19; Serial No. 207,882; published Mar. 10, 1925.
Fertilizers. Robert A. Munro & Company. 198,536; May 19; Serial No. 207,589; published Mar. 3, 1925.
Fertilizers, Artificial or manufactured. Imperial Company. 45,652; renewed Aug. 22, 1925.

CLASS 12.

Cement, material for patching stone, concrete, and cement, etc., Colored. Master Builders Company. 198,647; May 19.
Cement, Roof. L. Jackson. 198,479; May 19; Serial No. 202,964; published Jan. 27, 1925.
Plaster, Wall. Granitine Wall Plaster Co. 45,898; renewed Aug. 29, 1925.
Tile, Hollow building. B. J. Chamblin. 198,659; May 19.
Weather stripping. Allmetal Weatherstrip Co. 198,641; May 19.

CLASS 13.

Cooking utensils. Hyro Manufacturing Co. 198,507; May 19; Serial No. 206,622; published Mar. 3, 1925.
Curtain rods, Metal. Kirsch Mfg. Co. 198,500–2; May 19; Serial Nos. 205,644–6; Jan. 27, 1925.
Door fasteners, checks, locks, latches, and parts thereof. Russell & Erwin Manufacturing Company. 46,221; renewed Sept. 12, 1925.
Fasteners, Separable. Hookless Fastener Company. 198,412; May 19; Serial No. 164,705; published Mar. 3, 1925.
Fence, Wire. Keystone Steel & Wire Company. 198,437; May 19; Serial No. 204,412; published Mar. 3, 1925.
Nuts, Metal. Grip Nut Company. 198,513; May 19; Serial Nos. 206,731–2; published Mar. 3, 1925.
Pipes and tubes, joints for pipes and tubes, etc. Victaulic Company. 198,491; May 19; Serial No. 205,845; published Mar. 10, 1925.
Roofing, Fastening devices for prepared. William H. Woerheide, Inc. 198,416; May 19; Serial No. 176,776; published Mar. 10, 1925.
Roofing, Fastening devices for prepared. William H. Woerheide, Inc. 198,417; May 19; Serial No. 178,091; published Mar. 10, 1925.

CLASS 14.

Galvanized and zinc-plated metal articles. J. A. Driscoll. 198,421; May 19; Serial No. 188,361; published Mar. 3, 1925.
Ingots, blooms, and slabs, etc., Steel and cogged. Wikmanshytte Bruks A/B. 198,483–5; May 19; Serial Nos. 206,265–7; published Mar. 3, 1925.

CLASS 15.

Oils and greases, Lubricating. Sinclair Refining Company. 198,606; May 19; Serial No. 208,489; published Mar. 10, 1925.
Oils, Lubricating. Valvoline Oil Company. 46,780; renewed Oct. 10, 1925.
Petroleum and its products. Acewood Petroleum Company. 198,459; May 19; Serial No. 207,706; published Mar. 3, 1925.

CLASS 16.

Calcimine. West Coast Kalsomine Co. 198,506; May 19; Serial No. 206,551; published Mar. 10, 1925.
Finishing and polishing materials in the nature of varnish. Sheratone Products Corporation. 198,576–7; May 19; Serial Nos. 206,195–6; published Mar. 3, 1925.
Finishing-coat compound for automobiles, furniture, etc. H. M. Miller. 198,480; May 19; Serial No. 206,080; published Mar. 10, 1925.
Paint. Armesto Paint Co. 198,441; May 19; Serial No. 204,806; published Feb. 17, 1925.

Paint and varnish, Compositions for removing. Grandville Industrial Laboratories. 198,589; May 19; Serial No. 170,065; published Mar. 3, 1925.
Paints, Ready-mixed. Foy Paint Co. 198,422; May 19; Serial No. 188,959; published Sept. 2, 1924.
Paints, varnishes, and paint enamels, Ready-mixed. Tredennick Paint Manufacturing Company. 198,472; May 19; Serial No. 201,114; published Feb. 17, 1925.
Varnish. Williams-Hayward Company. 198,573; May 19; Serial No. 206,268; published Mar. 3, 1925.
Varnish stains. Adams & Elting Co. 198,411; May 19; Serial No. 146,514; published June 21, 1921.

CLASS 20.

Oilcloth, Table. Standard Textile Products Company. 198,464; May 19; Serial No. 195,547; published Feb. 24, 1925.

CLASS 23.

Agricultural and milling machinery. J. B. Sedberry. 198,629; May 19; Serial No. 204,681; published Mar. 10, 1925.
Axes, hatchets, and hammers. Townley Metal and Hardware Company. 198,633; May 19; Serial No. 199,405; published Mar. 10, 1925.
Cutters and printers, Butter. J. G. Cherry Company. 198,626; May 19; Serial No. 206,395; published Mar. 10, 1925.
Engines, Oil. Continental Gin Co. 198,624; May 19; Serial No. 207,618; published Mar. 10, 1925.
Fire engines, fire-extinguishing machines, pumps, etc. Minimax G. m. b. H. 198,587; May 19; Serial No. 151,366; published Mar. 3, 1925.
Hose. D. & H. Scovil. 45,415; renewed Aug. 15, 1925.
Hoists and winches. A. J. Erstad. 198,628; May 19; Serial No. 205,002; published Mar. 10, 1925.
Ink rolls, rubber mallets, etc. Goodyear Tire & Rubber Company. 198,635; May 19; Serial No. 169,482; published Mar. 10, 1925.
Loom pickers and check straps. Charles Bond Company. 198,619; May 19; Serial No. 207,962; published Mar. 10, 1925.
Metal-grinding machines, parts thereof, and replacements therefor. Giddings & Lewis Machine Tool Company. 198,627; May 19; Serial No. 205,869; published Mar. 10, 1925.
Pumping machinery and pumps. Worthington Pump and Machinery Corporation. 198,621; May 19; Serial No. 207,908; published Mar. 10, 1925.
Pumps, Water. Joe Andrews & Company. 198,605; May 19; Serial No. 203,779; published Mar. 3, 1925.
Razors, Spagna & Clinco. 198,622; May 19; Serial No. 207,894; published Mar. 10, 1925.

CLASS 25.

Lock, Safety window. W. G. McGuire. 198,660; May 19.

CLASS 26.

Calculating machines. R. C. Coxhead. 198,631; May 19; Serial No. 202,199; published Mar. 10, 1925.
Picture machines, moving-picture-projecting machines, microscopes, etc., Projecting. Optica, Inc. 198,634; May 19; Serial No. 194,565; published Mar. 10, 1925.
Tanks for chemical substances. Victor X-Ray Corporation. 198,499; May 19; Serial No. 205,669; published Mar. 3, 1925.
Thermostats, thermally-controlled valves, and thermoregulators. Robertshaw Thermostat Company. 198,620; May 19; Serial No. 207,950; published Mar. 10, 1925.

CLASS 27.

Watches, watchcases, and watch movements. Crescent Watch Case Co. 46,756; renewed Oct. 3, 1925.

CLASS 29.

Brushes, Paint and varnish. Samuel M. Dell & Co. 198,643; May 19.
Whisk brooms, toothbrushes, paintbrushes, etc. L. Abseck. 198,563; May 19; Serial No. 207,910; published Mar. 3, 1925.

CLASS 31.

Refrigerators. D. Eddy & Sons Co. 46,659; renewed Oct. 3, 1925.

CLASS 32.

Furniture, Bedroom. Empire Case Goods Company. 198,468; May 19; Serial No. 199,156; published Feb. 24, 1925.
Mattresses, pillows, cushions, and box springs. Burton-Dixie Corporation. 198,427; May 19; Serial No. 191,669; published Feb. 24, 1925.
Mattresses, Wire. Moore Company. 198,496; May 19; Serial No. 205,704; published Feb. 24, 1925.
Pillows and mattresses. Billow-Firestone Company. 198,423; May 19; Serial No. 189,754; published Feb. 17, 1925.
Racks for apparel. Dorak Makers, Inc. 198,517; May 19; Serial No. 206,886; published Feb. 24, 1925.
Stands and taborets, screens, etc., Teakwood. W. N. Maddox. 198,591; May 19; Serial No. 184,554; published Mar. 3, 1925.
Tables, Household. Hawthorne Furniture Shops. 198,470; May 19; Serial No. 200,443; published Feb. 17, 1925.

CLASS 33.

Glass bottles. American Glass Works, Incorporated. 198,447; May 19; Serial No. 205,505; published Feb. 24, 1925.
Glass cylinders, sheet glass and sheet-glass products, glass products. Hyatt Glass Company. 198,494; May 19; Serial No. 205,758; published Feb. 24, 1925.
Glass globes for lighting fixtures. G. E. Mathieu. 198,509; May 19; Serial No. 206,675; published Feb. 24, 1925.
Glassware and articles formed partly of glass and partly of metal. L. Bamberger & Company. 198,436; May 19; Serial No. 204,297; published Mar. 3, 1925.

CLASS 34.

Stokers. Uniflow Stoker Company. 198,636; May 19.

CLASS 35.

Belting, Leather. Holyoke Belting Company. 198,645–6; May 19.
Tires. E. B. McKay. 198,657; May 19.

CLASS 36.

Harmonicas, Mouth. Firm of M. Hohner. 44,759; renewed July 25, 1925.

CLASS 37.

Binding devices and magazine binders, Loose-leaf-, Free-Hand Binder Company. 198,574; May 19; Serial No. 206,236; published Mar. 3, 1925.
Books, Account or blank. Commonwealth Publishing Company. 198,606; May 19; Serial No. 204,308; published Mar. 3, 1925.
Books and forms, Blank. Community System Service Corporation. 198,467; May 19; Serial No. 198,789; published Feb. 17, 1925.
Books and writing paper, Blank. National Blank Book Co. 45,601–2; renewed Aug. 22, 1925.
Books and writing paper, Blank. National Blank Book Co. 45,683; renewed Aug. 29, 1925.
Books, Loose-leaf record. Visible Records Equipment Co. 198,460–1; May 19; Serial Nos. 208,080–1; published Mar. 3, 1925.
Indicators and index devices, card indexes, ledgers, etc. Rand Co., Inc. 198,580; May 19; Serial No. 205,890; published Mar. 3, 1925.
Paper and envelopes, Printing and writing. Western Lithograph Company. 198,458; May 19; Serial No. 207,700; published Mar. 3, 1925.
Paper handkerchiefs and napkins. G. G. Jordan. 198,588; May 19; Serial No. 167,047; published Mar. 3, 1925.
Paper, Japanese tissue. Rieser Company. 198,431; May 19; Serial No. 203,974; published Feb. 17, 1925.
Paper napkins. Paper Novelty Company. 198,542; May 19; Serial No. 207,796; Mar. 3, 1925.
Paper, Toilet. C. H. Dexter & Sons, Inc. 198,590; May 19; Serial No. 179,930; published Mar. 3, 1925.
Paper, Typewriter. Zellerbach Paper Company. 198,460; May 19; Serial No. 199,964; published Mar. 3, 1925.
Paper, Wrapping. Angier Corporation. 198,462; May 19; Serial No. 206,270; published Mar. 3, 1925.
Paper, Wrapping. Claremont Paper Company. 198,578; May 19; Serial No. 206,111; published Mar. 3, 1925.
Papers, Book. Reading Paper Mills. 198,568; May 19; Serial No. 206,635; published Mar. 3, 1925.
Pencils. Joseph Dixon Crucible Company. 198,564; May 19; Serial No. 207,856; published Mar. 3, 1925.
Wrappers, Printed file. Blackstone File Company. 198,453; May 19; Serial No. 207,225; published Mar. 3, 1925.

CLASS 38.

Booklets, circulars, pamphlets, and calendars. Southern Pacific Company. 198,426; May 19; Serial No. 191,451; published Feb. 24, 1925.
Cartoons. J. C. Terry. 198,532; May 19; Serial No. 207,533; published Feb. 17, 1925.
Cartoons, Series of. R. L. Ripley. 198,531; May 19; Serial No. 207,526; published Feb. 17, 1925.
Decalcomania for radio panel markers. National Decalcomania Corporation. 198,567; May 19; Serial No. 206,744; published Mar. 3, 1925.
House organ. Menley & James, Limited. 198,527; May 19; Serial No. 207,391; published Feb. 17, 1925.
Magazine. Newcomb-Endicott Company. 198,560; May 19; Serial No. 208,004; published Feb. 17, 1925.
Magazine, Monthly. Eastman Kodak Company. 198,521; May 19; Serial No. 206,948; published Feb. 17, 1925.
Magazine, Monthly. C. F. Miller. 198,530; May 19; Serial No. 207,510; published Feb. 17, 1925.
Magazine, Monthly. J. M. Ullmann. 198,442; May 19; Serial No. 204,877; published Feb. 17, 1925.
Magazine, Section of a monthly. Gage Publishing Co. 198,508; May 19; Serial No. 206,664; published Feb. 24, 1925.
Magazine, Section of a monthly. Gage Publishing Co. 198,570; May 19; Serial No. 206,479; published Mar. 3, 1925.

Music, Sheet. A. L. Runyan. 198,559; May 19; Serial No. 208,017; published Feb. 17, 1925.
Newspaper sections. Los Angeles Down Town Shopping News Company. 198,599; May 19; Serial No. 199,707; published Mar. 3, 1925.
Newspapers. T. Dreyer. 198,557; May 19; Serial No. 208,004; published Feb. 17, 1925.
Plans and specifications, Building. M. D. East. 198,480; May 19; Serial No. 203,795; published Feb. 24, 1925.
Prints and posters. Harrison-Guthrie Agency. 198,473; May 19; Serial No. 201,344; published Feb. 24, 1925.
Publication, Monthly. Scott's Business Analysts, Inc. 198,596; May 19; Serial No. 190,618; published Mar. 3, 1925.
Publication, Trade. Permanent Wave Machine & Supply Corporation. 198,520; May 19; Serial No. 206,918; published Feb. 17, 1925.
Publications. Abraham & Straus, Inc. 198,443; May 19; Serial No. 205,046; published Feb. 24, 1925.
Publications and books and lesson sheets, Serial. Health Reconstructive Society, Inc. 198,582; May 19; Serial No. 206,696; published Mar. 3, 1925.
Publications, Monthly. Progressive Culinary Association. 198,572; May 19; Serial No. 206,373; published Mar. 3, 1925.
Publications, Monthly. Texas Company. 198,541; May 19; Serial No. 207,697; published Feb. 17, 1925.
Publications, Weekly. Philadelphia County Medical Society. 198,514; May 19; Serial No. 206,748; published Mar. 3, 1925.
Sheets or posters, Educational. Beacon Press, Inc. 198,539; May 10; Serial No. 207,646; published Feb. 24, 1925.
Signs, Advertising. Western Lithograph Company. 198,516; May 19; Serial No. 206,813; published Mar. 3, 1925.
Stamps, Trading. Barrier Bros. 198,463; May 19; Serial No. 192,749; published Sept. 2, 1924.

CLASS 39.

Clothing. Abraham & Straus, Inc. 198,592; May 19; Serial No. 186,094; published Mar. 3, 1925.
Coats, Ladies'. I. M. Bagedonow, Inc. 198,625; May 19; Serial No. 206,559; published Mar. 10, 1925.
Coats, vests, trousers, and overcoats, Men's. Osher Bros. 198,607; May 19; Serial No. 207,028; published Mar. 10, 1925.
Coats, wraps, and tailored dresses, Ladies'. Gidding & Co. 198,651; May 19.
Collars. Phillips-Jones Corporation. 198,614; May 19; Serial No. 208,256; published Mar. 10, 1925.
Dresses. Greenwald, Friedman & Co. 198,618; May 19; Serial No. 208,188; published Mar. 10, 1925.
Dresses, Manufactured. Hyman & Goldston, Inc. 198,519; May 19; Serial No. 206,902; published Feb. 24, 1925.
Dresses, Women's and girls'. Mavis Dress Shops, Inc. 198,609; May 19; Serial No. 208,473; published Mar. 10, 1925.
Frocks. A. S. Burke. 198,649; May 19.
Hats, gowns, dresses, suits, etc., Women's. Peggy Hoyt, Inc. 198,451; May 19; Serial No. 206,898; published Mar. 3, 1925.
Hosiery. Cantor and Kalish. 198,611; May 19; Serial No. 208,380; published Mar. 10, 1925.
Hosiery. Joel Gutman & Co. 198,450; May 19; Serial No. 206,782; published Mar. 3, 1925.
Hosiery. David Jacobs Corporation. 198,610; May 19; Serial No. 208,405; published Mar. 10, 1925.
Hosiery. R. W. Spain. 198,632; May 19; Serial No. 201,109; published Mar. 10, 1925.
Hosiery. A. P. Woltman. 198,616; May 19; Serial No. 208,174; published Mar. 10, 1925.
Shirts. Cluett, Peabody & Co. 198,612; May 19; Serial No. 208,330; published Mar. 10, 1925.
Shirts, North Bros. & Co. 198,615; May 19; Serial No. 208,253; published Mar. 10, 1925.
Shirts, Dress. Twinside, Inc. 198,581; May 19; Serial No. 205,800; published Mar. 3, 1925.
Shirts, drawers, and union suits, Men's and boys' knitted. Standard Knitting Mills. 198,658; May 19.
Shoes and slippers, hosiery, etc. Shoecraft Shop, Inc. 198,593; May 19; Serial No. 188,067; published Mar. 3, 1925.
Suits, Ladies' tailor-made. Gidding & Co. 198,650; May 19.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 198,613; May 19; Serial No. 208,288; published Mar. 10, 1925.
Ties, cravats, and scarfs. G. C. Mathes & Company. 198,579; May 19; Serial No. 205,937; published Mar. 3, 1925.
Trousers, suits, overcoats, etc. Gross & Kolodner. 198,617; May 19; Serial No. 208,189; published Mar. 10, 1925.
Underwear, Knitted. Glastonbury Knitting Company. 46,663; renewed Oct. 3, 1925.

CLASS 42.

Awning stripes and ticking. John Boyle & Company. 198,471; May 19; Serial No. 200,660; published Dec. 30, 1924.

Carpets and rugs, Textile. Hardwick & Magee Company. 198,428; May 19; Serial No. 192,119; published Feb. 24, 1925.
Carriage covers and cases, Baby-. Federal Underwear Co. 198,414; May 19; Serial No. 171,835; published Feb. 24, 1925.
Cashmere and wool cloth. S. Stroock & Company. 198,439; May 19; Serial No. 204,573; published Mar. 3, 1925.
Cotton blankets. Beacon Manufacturing Company. 198,537–8; May 19; Serial Nos. 207,610–11; published Mar. 3, 1925.
Cotton fabrics. Max Kaufmann & Co. 198,543; May 19; Serial No. 208,668; published Mar. 3, 1925.
Cotton piece goods. William Alsberg & Company. 198,498; May 19; Serial No. 205,671; published Feb. 24, 1925.
Cotton piece goods. Cohn Hall Marx Co. 198,550; May 19; Serial No. 208,510; published Mar. 3, 1925.
Cotton piece goods. Coriell, Williams and Company. 198,565; May 19; Serial No. 207,852; published Mar. 3, 1925.
Cotton piece goods. J. L. Stifel & Sons. 198,440; May 19; Serial No. 204,728; published Mar. 3, 1925.
Drapery cloth. Geo. Royle & Co. 198,418; May 19; Serial No. 182,085; published Feb. 24, 1925.
Dress goods, all-silk fabrics. Hyman & Goldstein, Inc. 198,518; May 19; Serial No. 206,901; published Mar. 3, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 198,512; May 19; Serial No. 206,717; published Mar. 3, 1925.
Fabrics in the piece, Pile. Salt's Textile Company. 198,482; May 19; Serial No. 203,605; published Feb. 24, 1925.
Rugs. Philadelphia Rug Mills Incorporated. 198,529; May 19; Serial No. 207,400; published Mar. 3, 1925.
Rugs, blankets, and towels. Morgan Memorial Co-Operative Industries and Stores, Inc. 198,448; May 19; Serial No. 205,611; published Feb. 24, 1925.
Silk and silk and artificial-silk piece goods. Marshall Field & Company. 198,561; May 19; Serial No. 207,979; published Mar. 3, 1925.
Silk, cotton, wool, artificial silk, and combinations thereof, Piece goods of. Franco Fabrics Corporation. 198,526; May 19; Serial No. 207,294; published Mar. 3, 1925.
Silk piece goods, Artificial-. M. I. Halperin. 198,528; May 19; Serial No. 207,077; published Mar. 3, 1925.
Textile fabrics. Oriental Silk Printing Company. 198,524; May 19; Serial No. 207,092; published Mar. 3, 1925.
Wool and worsted piece goods. Roubaix Mills, Inc. 198,492; May 19; Serial No. 205,838; published Feb. 24, 1925.
Woolen goods. S. Stein & Co. 198,535; May 19; Serial No. 208,364; published Mar. 3, 1925.
Woolen piece goods. A. Davis & Sons, Inc. 198,551; May 19; Serial No. 208,458; published Mar. 3, 1925.
Worsted and woolen textile fabrics. Holden-Leonard Company. 198,466; May 19; Serial No. 198,711; published Mar. 3, 1925.

CLASS 43.

Yarns. Bernhard Ulmann & Co. 198,415; May 19; Serial No. 176,374; published Feb. 24, 1925.

CLASS 44.

Dental floss holders. Floesy Dental Mfg. Co. 198,623; May 19; Serial No. 207,813; published Mar. 10, 1925.
Electrotherapeutic machines. Bleadon-Dun Company. 198,533; May 19; Serial No. 207,547; published Mar. 3, 1925.
Forceps, knives, scissors, etc. Frank S. Betz Company. 198,497; May 19; Serial No. 205,676, published Feb. 24, 1925.
Sanitary support and napkin. B. Madoff. 198,630; May 19; Serial No. 202,411; published Mar. 10, 1925.

CLASS 45.

Beverage. W. B. Taylor, jr. 198,656; May 19.
Beverage and sirup for making the same. Chero-Cola Company. 198,552; May 19; Serial No. 208,455; published Mar. 3, 1925.
Beverage sold as soft drink and sirup for making the same. Kraemer, Hamelfarb & Co. 198,556; May 19; Serial No. 208,201; published Mar. 3, 1925.
Beverage sold as soft drink and sirups used in preparation of same. Bartow Beverages, Inc. 198,549; May 19; Serial No. 208,554; published Mar. 3, 1925.
Beverages. American Bottling Works. 198,562; May 19; Serial No. 207,911; published Mar. 3, 1925.
Beverages. J. C. Gantz. 198,522; May 19; Serial No. 207,007; published Mar. 3, 1925.
Beverages sold as soft drinks and flavored sirups and extracts for making the same. Theonett & Co. 198,558; May 19; Serial No. 208,026; published Mar. 3, 1925.
Beverages sold as soft drinks and sirups for making the same. P. Binder & Sons. 198,553; May 19; Serial No. 208,449; published Mar. 3, 1925.

Beverages sold as soft drinks and sirups for making the same. A. W. Hodgman. 198,474; May 19; Serial No. 201,403; published Oct. 28, 1924.

Beverages sold as soft drinks and sirups for making the same. A. Westphal. 198,510–11; May 19; Serial Nos. 206,708–9; published Mar. 3, 1925.

Fruit concentrate for beverage purposes, Pure. John C. Reilly and Robert T. Northcutt. 198,481; May 19; Serial No. 203,589; published Mar. 3, 1925.

Fruit concentrate used in the preparation of soft drinks, Pure. John C. Reilly and Robert T. Northcutt. 198,480; May 19; Serial No. 203,588; published Mar. 3, 1925.

CLASS 46.

Apples, Fresh. Entiat Fruit Growers League. 198,547–8; May 19; Serial Nos. 208,580–1; published Mar. 3, 1925.

Candies. Bonaci, Inc. 198,545; May 19; Serial No. 208,634; published Mar. 3, 1925.

Candies. C. W. Reiher. 198,652; May 19.

Candies. Van Engers, Inc. 198,419; May 19; Serial No. 182,192; published Feb. 3, 1925.

Candy. P. W. Beale Candy Co. 198,546; May 19; Serial No. 208,633; published Mar. 3, 1925.

Candy. Honey Brook Sweets, Inc. 198,655; May 19.

Candy. George C. Miller & Co. 198,600; May 19; Serial No. 200,572; published Mar. 10, 1925.

Candy bars, Chocolate-covered. Overland Candy Corporation. 198,528; May 19; Serial No. 207,399; published Mar. 3, 1925.

Canned citrous fruits. Avon Canning Company. 198,477; May 19; Serial No. 202,689; published Mar. 3, 1925.

Canned shrimp. H. N. Cook. 198,648; May 19.

Canned vegetables and fruits, fruit preserves, jams, etc. John Sexton and Company. 198,540; May 19; Serial No. 207,688; published Mar. 3, 1925.

Chocolate coating. Ideal Cocoa & Chocolate Co. 198,544; May 19; Serial No. 208,657; published Mar. 3, 1925.

Coffee. Marks Coffee Company. 198,554; May 19; Serial No. 208,413; published Mar. 3, 1925.

Coffee. L. G. Martinez. 198,488–9; May 19; Serial Nos. 206,013–15; published Feb. 10, 1925.

Feed, Horse. Dwight Hamlin Co. 198,639; May 19.

Feed, middlings, and bran, Mixed. Dulle-Meyer Milling Company. 198,515; May 19; Serial No. 206,771; published Mar. 3, 1925.

Flavoring extracts and compounds, Bakers' food-. Regal Supply Corporation. 198,601–2; May 19; Serial Nos. 200,963–4; published Mar. 3, 1925.

Flour, Wheat. Fuhrer-Ford Milling Co. 198,640; May 19.

Fruit and green vegetables, Fresh. J. O. Franklin & Sons. 198,413; May 19; Serial No. 166,865; published Mar. 10, 1925.

Gum, Chewing. American Chicle Company. 198,490; May 19; Serial No. 205,973; published Mar. 3, 1925.

Gum, Chewing. Creamette Company. 198,425; May 19; Serial No. 191,009; published Mar. 3, 1925.

Ice cream, ices, and frozen puddings. Frozen Arts. 198,534; May 19; Serial No. 207,559; published Mar. 3, 1925.

Meat extract, Preparation of. Valentine's Meat Juice Company. 198,598; May 19; Serial No. 195,084; published Feb. 10, 1925.

Oranges, grapefruit, and tangerines. Haines City Citrus Growers Association. 198,597; May 19; Serial No. 193,589; published Mar. 10, 1925.

Oranges, lemons, and grapefruit, Fresh. San Fernando Heights Lemon Co. 198,452; May 19; Serial No. 206,923; published Mar. 3, 1925.

Peanut butter. E. K. Pond Company. 198,457; May 19; Serial No. 207,683; published Mar. 3, 1925.

Pineapples. West Indies Fruit Importing Co. 198,478; May 19; Serial No. 202,908; published Jan. 27, 1925.

Pop corn, Candied. M. B. Johnston. 198,476; May 19; Serial No. 202,886; published Mar. 3, 1925.

Poultry. R. L. Ditzler. 198,475; May 19; Serial No. 202,287; published Nov. 18, 1824.

Sardines packed in olive oil. W. Lichtenstein. 198,483; May 19; Serial No. 204,237; published Mar. 3, 1925.

Sardines packed in olive oil. W. Lichtenstein. 198,434; May 19; Serial No. 204,239; published Mar. 3, 1925.

Tablets for producing food for infants and invalids. Wm. S. Merrell Company. 198,438; May 19; Serial No. 204,563; published Mar. 3, 1925.

Tomatoes, lettuce, and cauliflower, Fresh. Watanabe Bros. 198,429; May 19; Serial No. 202,684; published Mar. 3, 1925.

CLASS 47.

Wines. Chr. Adt. Kupferberg & Co. Kommanditgesellschaft auf Aktien. 198,432; May 19; Serial No. 204,102; published Mar. 3, 1925.

CLASS 50.

Shoe forms. Hollow. Excel Shoe Form Company. 46,661; renewed Oct. 3, 1925.

ALPHABETICAL LIST OF LABELS.

Acme. For Cigars. American Beauty Cigar Company. 28,685; May 19.

American Beauty. For Pasteurized Brick-Loaf Cheese. E. Kahn's Sons Company. 28,689; May 19.

Autocrat Table Eggs. For Eggs. Lewis, Mears Company. 28,690; May 19.

B & C. For Butter. Menasha Printing and Carton Company. 28,691; May 19.

Blue Ridge Farms. For Eggs. W. A. Schurmann & Company, Inc. 28,700; May 19.

Centrox. For Butter. Menasha Printing and Carton Company. 28,692; May 19.

Chocolate Breakers. For Chocolate Shell for Containing Ice Cream. R. T. Rogers Syndicate. 28,698; May 19.

Columbine White. For Soap. Denver Soap & Manufacturing Co. 28,687; May 19.

Daisy Bread. For Bread. Newark Paraffine & Parchment Paper Co. 28,693; May 19.

Day's Shellac Guarantee. For Shellac. James B. Day & Co. 28,686; May 19.

Jap. For Toilet Paper. Northern Paper Mills. 28,694; May 19.

Lewis' Lye. For Lye. Pennsylvania Salt Manufacturing Company. 28,697; May 19.

Longfellow. For Cigarettes. Rosedor Cigarette Co. 28,699; May 19.

Parker House Bread. For Bread. Eastern Bakers Consolidated, Inc. 28,688; May 19.

Partos 'Mountains' Secret.' For General System Purifier and Tonic. Partola Incorporated. 28,695; May 19.

Shipping symbol of Pauwela Pineapple Co. For Canned Pineapple. Pauwela Pineapple Company. 28,696; May 19.

W. For Fresh Pears. Wilcox Fruit Co. 28,701; May 19.

ALPHABETICAL LIST OF PRINTS.

—And then we label it Heins. For Heins 57 Varieties. H. J. Heinz Co. 7,940; May 19.

Blizzard Freezer. For Ice-Cream Freezers. North Bro's M'f'g Co. 7,949; May 19.

Cascara Quinine. For Hill's Cascara Quinine. W. H. Hill Co. 7,944; May 19.

Character. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Company. 7,936; May 19.

Discovered! The secret of a good appetite! For Heins 57 Varieties. H. J. Heins Co. 7,939; May 19.

Edison Mazda Lamps for your car. For Mazda Lamps. Edison Lamp Works of General Electric Co. 7,937; May 19.

'First every morning'. For Coffee. Franklin MacVeagh & Company. 7,947; May 19.

For that Ravenous After-School Appetite. For Gold Medal Flour. Washburn Crosby Co. 7,952; May 19.

For your car Edison Mazda Lamps. For Mazda Lamps. Edison Lamp Works of General Electric Co. 7,938; May 19.

Heins Beans Are Baked In Real Ovens. For Heins 57 Varieties. H. J. Heins Company. 7,943; May 19.

Heins Cream Soups. For Heins 57 Varieties. H. J. Heins Company. 7,942; May 19.

Heins Mince Meat. For Heins 57 Varieties. H. J. Heins Company. 7,941; May 19.

Intuition. For Eaton's Highland Linen and Crane's Writing Papers. Eaton, Crane & Pike Co. 7,934; May 19.

Johnny Togglegrip. For Buckles. C. A. Marsh & Co. 7,948; May 19.

Make your Home Homelike with Berry Brothers Varnishes, Enamels, Stains. For Varnishes, Enamels, Stains. Berry Bros. Inc. 7,932; May 19.

Mother, I just love my milk with Runkomalt. For a Chocolate-Flavored Malted Food Preparation. Runkel Brothers, Inc. 7,951; May 19.

Nylotis Aids To Beauty Show only in Results. For Toilet Preparations. Nyal Company. 7,950; May 19.

'Smiling teeth' morning noon and night. For Colgate's Ribbon Dental Cream. Colgate & Company. 7,933; May 19.

So easy to make. For Jell-O—a Dessert Preparation. Jell-O Company, Inc. 7,946; May 19.

Your "Ts" Tell on you. For Eaton's Highland Linen and Crane's Linen Lawn. Eaton, Crane & Pike Co. 7,935; May 19.

Your weight is your size in a Jantzen. For Bathing suits, Knitted Wear. Jantzen Knitting Mills. 7,945; May 19.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Clay, Art. C. H. Steere. 210,509; May 19.

Cottonseed for planting purposes only. Robstown Cotton Seed Company. 211,180; May 19.

Furs. Abrams & Linden. 211,144–5; May 19.

Leather. Northwestern Leather Company. 211,373; May 19.

Leather, Dressed. J. & J. Slater, Inc. 210,930; May 19.

Rosin. Hercules Powder Company. 211,209–10; May 19.

Seeds. Maria's Garden. 208,858–9; May 19.

CLASS 2.

Boxes, Corrugated-paper. McLaurin-Jones Co. 211,603; May 19.

Boxes, Mixing. J. A. Kanter. 196,523; May 19.

Caskets, casket containers, and septic tanks. G. E. Davison. 208,459; May 19.

Corrugated shipping containers, boxes, cartons, tubes, and board. Corrugated Paper Mills. 210,606; May 19.

Musical-instrument cases. C. Bruno & Son, Inc. 211,407; May 19.

CLASS 3.

Pocketbooks, Leather. W. C. Kahn. 211,035; May 19.

CLASS 4.

Cleaning textile fabrics, Liquid for. Renap Corporation. 201,982; May 19.

Cleansing preparation with water-softening properties. Pennsylvania Salt Manufacturing Company. 204,324; May 19.

Polish, Metal and glass. A. B. D. Champagne. 192,066; May 19.

Polish, paste, and dressing, Shoe. Gold Dust Corporation. 212,133; May 19.

Polishes, Shoe. F. A. Boyer. 211,656; May 19.

Preparation for use in conjunction with soap and water to increase their efficiency. Sandos Chemical Company Ltd. 191,409; May 19.

Preparations for cleaning wool, etc., and for degreasing textiles and leather. Chemische Fabrik Pott & Co. 196,435; May 19.

Soap. James S. Kirk & Company. 192,320; May 19.

Soap. Windsor Soap Co. 211,728; May 19.

Soap flakes. Globe Soap Company. 202,168; May 19.

Soaps. Paris Toilet Company. 212,026–7; May 19.

Washing and cleaning compound. L. J. Awad. 212,776; May 19.

CLASS 5.

Adhesive. Duo Laboratories, Inc. 210,890; May 19.

Belt cement and reducer therefor. Holyoke Belting Company. 212,261; May 19.

Paste, Liquid. Jasmine Ink Corporation. 209,576; May 19.

Paste powder, Wheat. Arabol Mfg. Co. 198,219; May 19.

CLASS 6.

Acidophilus milk and concentrated cultures. Physicians Diagnostic Laboratories. 210,076; May 19.

Baking powder. John B. Rogers & Company. 123,258; May 19.

Boll-weevil poison. J. Spearman. 212,208; May 19.

Boric and oxalic acids, alum, licorice, etc. Fuller-Morrisson Company. 210,655; May 19.

Carbons, Decolorizing. Active Carbon Corporation. 210,108; May 19.

Chemical solvent and water-softening compound. A. O. Molatch. 208,714; May 19.

Chemicals for destroying vermin, animal and plant pests. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 204,225; May 19.

Composition of date and agar. H. F. Cole. 210,365; May 19.

Compound for stopping leaks in automobile radiators, furnaces, etc. H. S. Haynes. 208,983; May 19.

Cosmetics. Anna Held Corporation. 211,591; May 19.

Cream of tartar, soda, camphor, etc. John Bird Company. 194,689; May 19.

Cream, Toilet. Thirose Co. 212,462; May 19.

Dandruff remedy. Koken Companies. 212,274; May 19.

Dentifrice. Wm. S. Merrell Company. 212,016; May 19.

Fowl head and body lice salve, laying tonic, etc. T. V. Stapler. 212,210; May 19.

Hairdressing. A. Bongiovanni. 211,570; May 19.

Hair lotion and fixing solution. J. S. Cutrona. 210,224; May 19.

Hair tint. Guilmont & Peters. 209,914; May 19.

Hair tonic. Baldpate Company. 211,818; May 19.

Hair tonic. L. Mulier. 212,019; May 19.

Lip sticks, powder, and rouge. Delica Laboratories, Inc. 207,975; May 19.

Liquid preparation for killing bugs and insects. George F. MacLachlan. 211,938; May 19.

Lotion, Face and hand. E. M. Galliher. 209,291; May 19.

Lotion, Hand. T. K. Helmrich. 212,881; May 19.

Medicinal mineral water and mineral muds. Coso Hot Springs, Inc. 208,643; May 19.

Medicinal preparations, Marvell Pharmacal Co. 212,191; May 19.

Nail polish. Bevil, Inc. 210,112; May 19.

Oil, Massage. Postl, Inc. 209,939; May 19.

Oil, Red. Procter and Gamble Company. 177,997; May 19.

Pharmaceutical preparation for ovarian and testicular insufficiencies and kindred ailments. D. S. Kanstoroom. 211,108; May 19.

Powder and perfume, Face and sachet. F. H. Gregory. 211,590; May 19.

Powders, toilet waters, rouges, etc., Face. Woodworth, Inc. 212,166; May 19.

Preparation for affections of the eye. Orbolene Company. 212,197; May 19.

Preparation for the treatment of tuberculosis. G. A. Waddell. 201,385; May 19.

Preparation to be used as an injection. Marvell Pharmacal Co. 212,012–13; May 19.

Remedy for constipation, stomach and liver troubles. G. F. Smith. 212,206; May 19.

Remedy for premature baldness or grayness, itching scalp, and other irregularities of the hair and scalp. L. F. Caumont. 212,283; May 19.

Salve. S. M. Schmidt. 211,495; May 19.

Salve, Medicinal. M. J. Georgopoulos. 210,056; May 19.

System purifier and tonic. Partola Incorporated. 212,345; May 19.

Tonic. Windsor Drug Corp. Inc. 208,884; May 19.

Treatment for fatty degeneration. Reinschild Chemical Co., 212,040; May 19.

Treatment of blood diseases. Reinschild Chemical Co. 212,037; May 19.

Treatment of diseases of the middle ear. Reinschild Chemical Co. 212,038; May 19.

CLASS 7.

Twine and rope. Hooper Paper & Twine Co. 210,455; May 19.

Wire rope. John A. Roebling's Sons Co. 192,734; May 19.

CLASS 9.

Ammunition. Remington Arms Company. 204,568; May 19.

CLASS 10.

Fertilizers. Magnesia Fertilizer Co. 212,500; May 19.

CLASS 12.

Boards to which paper has been applied on both sides, One-ply. Tacoma Veneer Company. 210,865; May 19.

Brick. Medal Brick & Tile Co. 211,366; May 19.

Plaster board, plaster wall board, gypsum roof tile, gypsum floor domes, etc. United States Gypsum Company. 205,717; May 19.

CLASS 13.

Steel fasteners, Corrugated-. De Haven Manufacturing Company. 212,060; May 19.

CLASS 14.

Tape, Metallic staple. Eveready Mfg. Company of Boston. 210,957; May 19.

CLASS 15.

Candles. Standard Oil Company. 210,690; May 19.

Gasoline, Lubricant used in. G. S. Miller. 209,804; May 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Oils, greases, and compounds, Lubricating. Caspar Lubricants, Inc. 190,575; May 19.

CLASS 16.

Lacquers and paint enamels, Pyroxylin. Peaslee-Gaulbert Co. 211,223; May 19.
Paints. Gall-Oakley & Allen, Inc. 211,264–5; May 19.
Paints, colors in oil, and white lead. Duquesne Paint Company. 211,341; May 19.
Polish. Girard & Co. 210,379; May 19.
Polish for hardwood surfaces, furniture, and automobiles. Brillo Manufacturing Company. 192,890; May 19.
Polish, Furniture. C. M. Kimball Company. 211,480; May 19.
Polishes. H. D. Flandt. 191,125; May 19.

CLASS 17.

Cigars. B. F. Blakeney. 207,546; May 19.

CLASS 19.

Automobile parts and accessories and automobiles. Erskine Engineering Company. 207,494; May 19.
Automobiles and parts thereof. H. Austin. 203,505; May 19.
Radiator ornament. Haines Manufacturing Corporation. 208,850; May 19.

CLASS 22.

Archery sets. F. H. Ayres, Limited. 212,587; May 19.
Balls and bowls, Golf, etc. Game Balls Company Limited. 199,158–9; May 19.
Bicycles, velocipedes, fishing rods, etc., Children's. Walthour & Hood Company. 210,203; May 19.
Coaster wagons. Pla Pal Corporation. 210,750; May 19.
Coaster wagons. Supplee-Biddle Hardware Company. 210,587; May 19.
Dolls. F. M. Phelps. 210,402; May 19.
Dolls. Adolphe Schloss Fils & Cie. 208,424; May 19.
Fish lines, rods, reels, hooks, and baits. Marshall-Wells Company. 212,626; May 19.
Games of a picture-puzzle type. Selchow & Righter Company. 212,299; May 19.
Golf balls. The Goodyear Tire & Rubber Company. 212,330; May 19.
Toy carpet sweepers. Bissell Carpet Sweeper Co. 212,477; May 19.
Toys and games. Hustler Toy Corporation. 209,846; May 19.
Toys, Mechanical. Louis Wolf & Co. 211,560; May 19.

CLASS 23.

Evaporators, deaerators, and heat exchangers. Griscom-Russell Company. 211,528; May 19.
Fire-extinguishing apparatus, Hand. "Save-M" Fire-Extinguisher Company. 211,182; May 19.
Grain separating and cleaning machines and automatic weighing feeders. Carter-Mayhew Manufacturing Company. 210,711; May 19.
Knives, forks, spoons, cleavers, razors, spatulas, and turbine blades. American Stainless Steel Company. 203,504; May 19.
Loom pickers. E. H. Jacobs Manufacturing Company. 206,308; May 19.
Milker units. Pine Tree Milking Machine Co. 210,576; May 19.
Piston rings. Onlee Piston Ring Company. 210,747; May 19.
Planers, Metal. Cincinnati Planer Company. 211,155; May 19.
Razor stroppers, Mechanical. Seatown Novelty Co. 211,183–4; May 19.
Vacuum cleaners. Radio Vacuum Cleaner Company. 196,620; May 19.
Vending machines. Columbus Vending Company. 200,612; May 19.
Wringer, Mop. T. A. Dunphy. 206,564; May 19.

CLASS 26.

Color-wave value or radioactive and radioemanative value of the human body and the like, Apparatus for registering the. Spectro-Chrome Institute (Incorporated). 210,931–2; May 19.
Glasses, Field. Wollensak Optical Co. 212,516; May 19.
Ophthalmic mountings and parts thereof. Bausch and Lomb Optical Company. 199,207; May 19.
Picture screen, Motion-. Da-Lite Screen & Scenic Co. 212,596; May 19.
Pictures, Moving. M. J. Winkler. 211,729; May 19.

CLASS 29.

Brooms. W. A. Field. 203,946; May 19.
Brushes. Up-To-Date Machine Works, Inc. 205,255; May 19.
Mops. S. Lewis. 210,567; May 19.
Sweepers, Carpet. Bissell Carpet Sweeper Co. 212,476; May 19.

CLASS 34.

Hot plates. Never-Burn Hot Plate Co. 208,308; May 19.
Lamp shades and brackets therefor. G. M. Spindler. 210,424; May 19.
Mantles. Rag. Marshall-Wells Company. 210,352; May 19.
Welding and cutting apparatus, Oxyacetylene. Air Reduction Company. 210,337; May 19.

CLASS 35.

Cord and leather belting, Round leather. E. F. Houghton & Co. 206,169; May 19.
Tires, Puncture plug for automobile. Kex Manufacturing Company. 211,479; May 19.

CLASS 37.

Paper napkins and toilet paper. A. B. C. Stores, Incorporated. 203,775; May 19.
Paper, Writing. F. T. Burkhardt. 203,667; May 19.
Papers, Wrapping. Reese & Reese. 201,934; May 19.
Pencil with a point protector and unit. A. J. Mirski. 205,610; May 19.
Pens and fountain-pen caps, Fountain. Sanford Pen Company. 208,487; May 19.
Tablets with envelopes to match packed in a portfolio. Charles E. Weyand & Co. 202,652; May 19.

CLASS 38.

Cards, Name. E. M. Broomhall. 202,433; May 19.
Magazine. Jos. Engel Co. 212,248; May 19.
Magazine, Monthly. Shaw Publishing Company. 199,862; May 19.
Music, Sheet. H. L. Alford. 211,316; May 19.
Newspaper and magazine clippings, Collections of. H. F. Prescott. 211,293; May 19.
Newspaper articles. Tribune Company. 211,880; May 19.
Newspaper, Daily. Long Island Star Publishing Co. 209,050; May 19.
Newspapers. Cleveland Company. 211,783; May 19.
Periodical. Brown & Bigelow. 207,916; May 19.
Periodical. Southern Banker Publishing Co. 212,047; May 19.
Periodical, Printed. Ramer Reviews, Inc. 211,429; May 19.
Periodicals. Journal of Commerce Publishing Co. 212,087; May 19.
Publication, Bimonthly. S. R. Hall. 211,355; May 19.
Publications, Monthly. Ohrbach's Affiliated Stores, Inc. 210,977; May 19.

CLASS 39.

Apparel, Women's wearing. Weil-Kalter Mfg. Co. 211,883; May 19.
Bath robes, aprons, and apron dresses. L. Sopkin. 211,764; May 19.
Bathing suits. Asbury Mills. 211,822; May 19.
Boots and shoes. Lotus, Limited. 210,179; May 19.
Boots and shoes. Sinsheimer Bro. & Co. 212,153; May 19.
Brassière and corset, Combination. Camlin Corset Co. 208,566; May 19.
Caps, Men's. Feldstein & Kramer. 210,607–8; May 19.
Clothing. M. A. Berkeley. 210,702; May 19.
Coats, Children's. H. Kitzinger. 211,360; May 19.
Coats, trousers, vests, and overcoats, Men's. Reub. Isaacs & Co. 211,803; May 19.
Coats, vests, pants, and suits, Men's. Gately Clothing Company. 211,526; May 19.
Corsets and brassières. Associated Merchandising Corporation. 189,232; May 19.
Corsets, girdles, brassières, etc. Olmstead Corporation. 212,633; May 19.
Dresses, Children's. M. Q. Billings. 208,953; May 19.
Dresses, Children's and girls'. Levy & Gort. 209,414; May 19.
Dresses, dress waists, outer suits, and coats. Max Greenberg & Co. 209,404; May 19.
Hats, Ladies'. L. R. Ach. 207,051; May 19.
Hats, Women's. M. F. Todd. 197,632; May 19.
Heels, Rubber. Taunton Rubber Company. 212,304; May 19.
Hosiery. Gold Hosiery Co. 211,678; May 19.
Hosiery and underwear. Peter Van Reen & Sons. 207,036; May 19.
Mufflers. Cisco, Inc. 209,975; May 19.
Neckties. Wilson Brothers. 211,884; May 19.
Shirts, undershirts, and blouses. Elder Mfg. Co. 194,596; May 19.
Shoes. Florsheim Shoe Company. 210,542; May 19.
Shoes and slippers. Icas Slipper Company. 211,031; May 19.
Shoes, Children's. McGrath Shoe Co. 179,415; May 19.
Slippers, shoes, pumps, hosiery, and gloves. G. V. Rosi. 190,130; May 19.
Socks and stockings. Dr. A. Posner Shoes, Inc. 211,758; May 19.
Soles for shoes. Regal Rubber Company. 211,124; May 19.
Suits, Boys'. Thanhouser & Weiller. 211,813; May 19.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Suits, pants, shirts, overalls, Men's and boys'. Rome Manufacturing Company. 209,000; May 19.
Sweaters, shawls, caps, etc. Chas. H. Levitt & Co. 210,968; May 19.
Sweaters, skirts, blouses, hats, and dresses, Woman's Parker-Bridget Company. 208,674; May 19.
Underwear. Duofold Health Underwear Company. 211,668; May 19.

CLASS 40.

Wigs. House of A. Blatt Inc. 205,011; May 19.

CLASS 42.

Bedspreads and handkerchiefs. Sperry & Hutchinson Company. 211,955; May 19.
Broadcloth, English. Fairfax Textile Mills, Inc. 208,184; May 19.
Broadcloth piece goods. J. C. Penney Company. 211,289; May 19.
Cotton piece goods. Pacific Mills. 212,289–90; May 19.
Cotton piece goods. J. L. Stifel & Sons. 209,060; May 19.
Cotton piece goods. York Manufacturing Co. 211,886; May 19.
Cotton textiles and cotton moleskin fabrics, Khaki-colored. National Fabric and Finishing Company. 207,822; May 19.
Fabrics and embroideries. Heberlein & Co., A. G. 212,437; May 19.
Handkerchiefs. H. S. Bockstein. 210,219; May 19.
Prints, drills, and denims in the piece. J. L. Stifel & Sons. 209,100; May 19.
Shirtings. Jacob Miller Sons & Co. 156,589; May 19.
Shirtings and mixtures of the same and woolen piece goods. J. R. Munn. 209,052; May 19.
Silk fabrickes. Golding Fabrics Corporation. 203,032; May 19.
Textile fabrics. Goldstein-Wilkins Corporation. 210,961; May 19.
Wool piece goods. Haas Brothers Fabrics Corporation. 205,530; May 19.
Woolen piece goods. Forstmann & Huffmann Company. 211,913; May 19.
Woolen piece goods. Forstmann & Huffmann Company. 211,915–27; May 19.
Worsted and Woolen textile fabrics. Holden-Leonard Co. 211,933–4; May 19.

CLASS 43.

Thread. Elmore Company. 212,066; May 19.
Threads and yarn. Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. 211,538; May 19.
Yarns. Heberlein & Co., A. G. 212,436; May 19.

CLASS 44.

Diapers and cut bandages. Nopin Didy Co. 193,615; May 19.
Nipples, Nursing. United Drug Company. 211,140–1; May 19.
Perfumisers. Franklin Simon & Co. 212,429; May 19.

CLASS 45.

Beverage. Tip Top Bottling Co. 211,768; May 19.
Beverage, Nonalcoholic, noncereal, maltless. Lime Cola Bottling Company. 209,579; May 19.
Ginger ale. Golden Grain Juice Company. 212,134–6; May 19.
Mineral water. Paulson Medicinal Well Co. 210,182; May 19.

CLASS 46.

Alimentary pastes. Italian American Paste Co. 211,595; May 19.
Almond butter. California Almond Growers Exchange. 198,283; May 19.
Beverage, Preparation for making a. Joseph Nathan & Co. 208,861; May 19.
Bread. Tristate Baking Company. 210,026; May 19.
Bread and cake. Corby Baking Co. 198,987; May 19.
Bread, biscuit, biscuit meal, pastry flour, macaroni, etc. Maurice, R., & Co., Limited. 209,801; May 19.
Bread, Rye. Mersel & Hirschhorn. 209,802; May 19.
Bread, Whole-wheat. McGavins Bread Inc. 203,829; May 19.
Butter. Bracken Brothers. 209,275; May 19.
Candy. Hollingsworth Candy Co. 212,260; May 19.
Candy. San-Man Chocolates Company. 211,181; May 19.
Candy confection. Benj. J. Baum Co. 211,249; May 19.
Canned fish. Wallace MacMonnies. 212,337; May 19.
Canned fruit and berries. Pacific North West Canning Co. 203,901; May 19.
Canned goods, relishes, flour, etc. Daniel Grocery Company. 207,973; May 19.
Canned prepared meals. G. M. Kroyer. 192,182; May 19.
Cereal breakfast food product. Washburn-Crosby Company. 209,446; May 19.
Cheese. Gerber & Co. 206,833; May 19.
Cheese. Kraft Cheese Company. 208,990; May 19.
Cheese. Société Industrielle de Roquefort. 174,594; May 19.
Cheese. Triangle Cheese Company. 204,941; May 19.
Chocolates and candies. Park & Tilford. 210,921; May 19.
Cocoa. Bishop & Company. 194,891; May 19.
Coffee. Dollar Bill Sales Company. 212,372; May 19.
Coffee. J. F. Goodson & Co. 208,137; May 19.
Coffee. H. N. Saurage. 211,235; May 19.
Dairy and farm products. E. E. Scovill. 200,158; May 19.
Fat, Chicken-style. Red Star Oil & Products Co. 210,620; May 19.
Feeds for poultry, cattle, and horses. Phelps & Sibley Co. 211,122; May 19.
Fish, Preserved. Ramires & Co. 199,850; May 19.
Flour, Wheat. Washburn Crosby Company. 210,260; May 19.
Flour, Wheat. Washburn Crosby Company. 211,143; May 19.
Food substitute, Prepared fatty oleaginous. John F. Jelke Company. 207,580; May 19.
Fresh fruits. D. J. Hollenbeck. 212,259; May 19.
Fruit juices, Concentrated. Fries & Fries Co. 206,404–5; May 19.
Fruits and grapes and canned fruits, Fresh. Haas Brothers. 212,254; May 19.
Fruits and grapes, Fresh deciduous. Ivanhoe Fruit Association. 208,404; May 19.
Lunches. W. C. Morgan. 190,122; May 19.
Macaroon paste, Imitation. Hartmann Food Product Co. 211,168; May 19.
Marmalade. Great Atlantic and Pacific Tea Company. 211,027; May 19.
Nuts, potato chips, etc., Salted, shelled, and candied. F. E. Bowie. 206,473; May 19.
Oil, Olive. Maggioros & Rousos. 200,400; May 19.
Peanut butter. Vegetarian Food and Nut Co. 211,637; May 19.
Potato chips, candy, canned goods, etc. Creamette Company. 194,979; May 19.
Poultry and eggs, Dressed. Peter Fox Sons Co. 197,557; May 19.
Salad dressing. Shaeffer Products Co. 186,805; May 19.
Salad, Picnic-ham. F. Baumberger. 209,377; May 19.
Sandwiches, Composition to be spread on. California Almond Growers Exchange. 198,284; May 19.
Spaghetti sauce, Bottled. L. R. Cuneo. 209,563; May 19.
Tablets (candy). Mills Novelty Company. 186,564; May 19.
Tomatoes, Fresh. G. B. McCabe. 201,005; May 19.

CLASS 50.

Signs, Advertising display. Gillespie Brothers. 192,971; May 19.
Signs and bulletin boards. National Sign Corporation. 207,877; May 19.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Champion, Albert, assignor.)

Abbott Ball Company, The. (See Abbott, George E., assignor.)

Abbott, George E. assignor to The Abbott Ball Company, West Hartford, Conn. Burnishing barrel. 1,538,231; May 19.

Ackerman, Albert C., Ballston Spa, N. Y. Glove. 1,538,262; May 19.

Ackerman, Albert C., Ballston Spa, N. Y. Making gloves. 1,538,263; May 19.

Actien Gesellschaft für Anilin Fabrikation. (See Herrberg, W., Hoppe, and Ohlendorf, assignors.)

Adams, Harry L., Ventnor, N. J. Exploding toy. 1,538,778; May 19.

Adams, Jesse, Nilwood, Ill. Gate. 1,538,018; May 19.

Adams, Stephen S., St. Louis, Mo. Envelope. 1,538,078; May 19.

Aeromarine Plane & Motor Company. (See Uppercu, Inglis M., assignor.)

Akiyama, Buichi, Osaka-Fu, Japan. Preserving meats, milk, vegetables, fruits, and other edibles. 1,538,369; May 19.

Albertoli, John, San Francisco, Calif. Can-marking machine. 1,538,079; May 19.

Albright, Neil T., assignor to Kokomo Automotive Mfg. Co., Kokomo, Ind. Illuminated oil gauge. 1,538,264; May 19.

Alden, Charles A., Steelton, Pa. Rail joint. 1,537,931; May 19.

Alden, Earle G., H. B. Alden, and J. P. Squires, Denver, Colo. Loose-leaf binder. 1,538,605; May 19.

Alden, Harry B. (See Alden, E. G., Alden, and Squires.)

Aldrich, Alonzo, assignor to Beloit Iron Works, Beloit, Wis. Paper-making machine. Re16,075; May 19.

Alexander Film Company. (See Alexander, Julian D., assignor.)

Alexander, Julian D., Englewood, Colo., assignor to Alexander Film Company. Hectograph. 1,538,154; May 19.

Allbright-Nell Co., The. (See Lundell, Alvin O., assignor.)

Allgemeine Elektricitäts-Gesellschaft. (See Münsinger, Friedrich, assignor.)

Allgrunn, Carl G., and E. Knapp, assignors to Niagara Sprayer Co., Middleport, N. Y. Dusting machine. 1,538,779; May 19.

Allis-Chalmers Manufacturing Company. (See Nye, Henry V., assignor.)

Amdursky, Samuel S., assignor to Taylor Instrument Companies, Rochester, N. Y. Regulating apparatus. 1,538,606; May 19.

American By-Products Corporation. (See Gorden, G Muri, assignor.)

American Chain Company, The. (See Gammeter, John B., assignor.)

American Equipment Company. (See Fuller, Claud E., assignor.)

American Hair Felt Co. (See Toles, Justin K., assignor.)

American Laundry Machinery Company, The. (See Waream, Charles E., assignor.)

American Optical Company. (See Arnold, Arthur A., assignor.)

American Optical Company. (See Hill, Harry W., assignor.)

American Optical Company. (See Laabs, M. A., and Hill, assignors.)

American Optical Company. (See Pellow, Arthur, assignor.)

American Schaeffer & Budenberg Corporation. (See Heman, Emil A., assignor.)

American Sulphur & Fertilizer Company. (See Price, James A., assignor.)

American Telephone and Telegraph Company. (See Crisson, G., and Shackleton, assignors.)

American Telephone and Telegraph Company. (See Espenschied, Lloyd, assignor.)

American Telephone and Telegraph Company. (See Pierce, Ralph E., assignor.)

Amity Leather Products Co. (See Rolp, Baltus, assignor.)

Amsden, Albert W., assignor to The L. S. Starrett Company, Athol, Mass. Adjustable-handle hack-saw frame. 1,538,501; May 19.

Anderson, Adolph I., Zumbrota, Minn. Silo. 1,538,780; May 19.

Anderson, Andrew, and V. Axelson, Sacramento, Calif. Making molds for ornamental flowerpots. 1,538,607; May 19.

Andrieu, Henri, Falk, Calif. Music-leaf turner. 1,538,608; May 19.

Anglada, Joseph A., Jenkintown, Pa., assignor to Electrocar Corporation, New York, N. Y. Motor vehicle. 1,538,080; May 19.

Anibal, Benjamin H., Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Steering mechanism. 1,538,497; May 19.

Ansheim, Edward H., New York, N. Y. Corn razor. 1,538,498; May 19.

Ansley, William A., Port Washington, assignor to Swansdown Knitting Company, Hudson, N. Y. Button or similar article. Des. 67,327; May 19.

Anticknap, Alfred, Toronto, Ontario, Canada. Collapsible bathhouse. 1,538,311; May 19.

Arden, T. Raymond, assignor, by mesne assignments, to L. Marx, New York, N. Y. Mechanically-operated dancing toy. 1,538,541; May 19.

Armistead, Clarence L., and S. F. Bates, Sullivan, assignors of one-third to J. E. Farrar and E. E. Mathias, Leslie, Mo. Case. 1,538,502; May 19.

Arnold, Arthur A., Hartford, Conn., assignor to American Optical Company, Southbridge, Mass. Grinding machine. 1,538,506; May 19.

Arnold, Robert B., St. Louis, Mo., assignor to Hall Tobacco Chemical Company, New York, N. Y. Recovering nicotine from tobacco. 1,538,266; May 19.

Art Lamp Manufacturing Company. (See Severus, Louis, assignor.)

Askenasy, Paul. (See Obersohn, A., Wachtel, Sakon, and Askenasy.)

Asplund, Axel A., Auburn, N. Y. Fuel-valve control with lever and connections. 1,538,503; May 19.

Asselin, Louis A. G., Prince Albert, Saskatchewan, Canada. Drag saw. 1,537,980; May 19.

Astrom, Carl P., East Orange, N. J., assignor to M. H. Treadwell Company. Dumping car. 1,538,490; May 19.

Atkins, E. C., & Company. (See Pribnow, J. F., and Soderin, assignors.)

Atkinson, Frederick C., Indianapolis, Ind. Tanning hides. 1,538,504; May 19.

Atkinson, Frederick C., Indianapolis, Ind. Charcoal and preparing the same. 1,538,505; May 19.

Aubard, Louis P., Billancourt, France. Vise. 1,538,500; May 19.

Augustine, Christfore M., Linden, N. J., assignor to Simmons Company, New York, N. Y. Bedstead end frame. Des. 67,328; May 19.

Autocall Company, The. (See Richmond, Louis E., assignor.)

Autowhirl Corporation. (See Lancaster, S. C., and Hjermstad, assignors.)

Axelson, Victor. (See Anderson, A., and Axelson.)

Bachmann, John, Chicago, Ill. Tobacco pipe. 1,538,458; May 19.

Badische Anilin & Soda Fabrik. (See Mittasch, A., and Winkler, assignors.)

Baehr, Gustave, Paris, France. Vehicle body. 1,538,781; May 19.

Baeumle, John, Milwaukee, Wis. Lifter. 1,538,507; May 19.

Bagby, William H., Los Angeles, Calif. Frame for a nutcracker. Des. 67,329; May 19.

Bank, Albert, Glenavon, Saskatchewan, Canada. Suspension flowerpot. 1,538,081; May 19.

Banks, William J. (See Campbell, P., and Banks.)

Barber Asphalt Company, The. (See Bell, A. L., and Browne, assignors)

Barnett, Griffith E., Salt Lake City, Utah. Soap shredder. 1,538,609; May 19.

Barr, Addison. (See Evans, W., and Barr.)

Barrett, Frank L., and E. P. Foulds, Manchester, England. Treatment of cellulosic fibers and fabrics. 1,538,370; May 19.

Barton, Rensselaer W., Binghamton, N. Y. Circulating and agitating device. 1,538,508; May 19.

Barwood, Leon J., Brookline, Mass. Padded washer. 1,538,155; May 19.

Bass, Walter A., Brundidge, Ala. Inkwell. 1,538,282; May 19.

Bast, Frank J., assignor to Charles J. Tagliabue Mfg. Co., Brooklyn, N. Y. Temperature-sensitive bulb. 1,538,610; May 19.

Bastian Benjamin F., Sunbury, Pa. Tag holder. 1,538,233; May 19.
Bates, Samuel F. (See Armistead, C. L., and Bates.)
Baty, George, Brooklyn, N. Y., assignor to General Motors Corporation, Detroit, Mich. Motor-vehicle hood hinge. 1,538,877; May 19.
Bausch, Carl L., assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Lens-grinding machine. 1,538,019; May 19.
Bausch & Lomb Optical Company. (See Bausch, Carl L., assignor.)
Bausch & Lomb Optical Company. (See Kurtz, J. C., and McCabe, assignors.)
Bayuk, Meyer, Jenkintown, Pa. Cigar machine. 1,538,082; May 19.
Beach, Willard C., Newark, N. J. Compressed-air tank having interchangeable paint containers. 1,538,371; May 19.
Beasley, William E., Greenville, S. C., assignor to Draper Corporation, Hopedale, Mass. Take-up mechanism for looms. 1,538,234; May 19.
Beat, William N., Brooklyn, N. Y. Golf club. 1,538,312; May 19.
Beatty, Vernon D., Detroit, Mich. Card game. 1,538,156; May 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Socket for candlesticks or similar articles. Des. 67,330; May 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Pillar for candlesticks or similar articles. Des. 67,331; May 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Base for candlesticks or similar devices. Des. 67,332; May 19.
Beck, Ernest T., assignor to International Silver Company, Meriden, Conn. Candelabrum. Des. 67,333; May 19.
Behan, Thomas W., and H. W. Doughty, assignors to The Nineteen Hundred Washer Company, Binghamton, N. Y. Washing machine. 1,538,266; May 19.
Beichl, George C., Beaver Dam, Wis. Overall suspender strap and manufacturing same. 1,538,611; May 19.
Bell, Andrew L., Buffalo, N. Y., and F. A. Browne, Wayne, assignors to The Barber Asphalt Company, Philadelphia, Pa. Device for fastening roofing shingles. 1,538,235; May 19.
Bell, Charles, Philadelphia, Pa. Lamp. Des. 67,334; May 19.
Bell, Lorenzo W., assignor of one-half to W. H. Gatlin, Carrollton, Mo. Grain-saving accessory for thrashing machines. 1,538,676; May 19.
Beloit Iron Works. (See Aldrich, Alonzo, assignor.)
Benjamin Electric Manufacturing Company. (See McClatchie, Stanley, assignor.)
Benjamin Electric Mfg. Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Mfg. Company, Chicago, Ill. Table-switch receptacle. 1,538,157; May 19.
Benson, Nellie C., et al. (See Ericson, Fritz A., assignor.)
Benté, Emil, and P. Stuhlmann, Barmen, Germany, assignors to M. Henkels, New York, N. Y. Lace with net-like groundwork. 1,538,158; May 19.
Bentley, Anson J., Niles, Ohio. Pallet. 1,538,372; May 19.
Bergdolt, Wilhelm, and L. Hauck, assignors to the Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Disazo dyestuff. 1,538,373; May 19.
Bergier, Jean, assignor to Société Rocca, Tassy & De Roux, Marseille (Bouche-du-Rhone), France. Neutralizing oils and fats. 1,538,509; May 19.
Berquist, Lars G., Shaunavon, Saskatchewan, Canada. Implement-wheel scraper. 1,537,981; May 19.
Berrigan, John B., et al. (See Berrigan, John J., assignor.)
Berrigan, John J., assignor of one-third to J. B. Berrigan and one-third to K. P. Malon, Chicago, Ill. Hydraulic press. 1,538,374; May 19.
Berrigan, John J., assignor of one-third to J. B. Berrigan and one-third to K. P. Malon, Chicago, Ill. Engine-starting apparatus. 1,537,932; May 19.
Berrigan, John J., assignor of one-third to J. B. Berrigan and one-third to K. P. Malon, Chicago, Ill. Press. 1,538,376; May 19.
Betner, Benjamin C., Merion, Pa. Capping machine. 1,538,612; May 19.
Beverly, Marcella, Dallas, Tex. Flour sifter and lightener. 1,538,020; May 19.
Biggs, Thomas A., Sioux City, Iowa. Oil burner. 1,538,083; May 19.
Bijur, Joseph, New York, assignor, by mesne assignments, to Eclipse Machine Company, Elmira Heights, N. Y. Engine-starting apparatus. 1,537,932; May 19.
Birch, Louis A. Minneapolis, Minn. Ventilated closet bowl. 1,538,084; May 19.
Birkigt, Marc, Bois Colombes, France. Vehicle brake-operating device. 1,538,677; May 19.
Blache, Hans H., Hellerup, near Copenhagen, Denmark. Double-acting four-stroke Diesel motor. 1,538,267; May 19.
Blagden, John D., Memphis, Tenn. Fishing reel. 1,538,377; May 19.
Blair, Robert S., Stamford, Conn. Cooling device. 1,538,159; May 19.
Blake, Fred, Indianapolis, Ind. Bicycle and motor-cycle seat. 1,538,542; May 19.
Blinn, Joseph S., New Haven, Conn. Suppository injector. 1,536,678; May 19.
Blinn, Joseph S., New Haven, Conn. Suppository injector. 1,538,679; May 19.
Bliss, E. W., Company. (See Strout, Robert W., assignor.)
Bodker, Albert J., Ponchatoula, La. Double-acting rotary valve for internal-combustion engines. 1,538,318; May 19.
Boggio, Giusto, Royalton, Ill. Auger. 1,538,680; May 19.
Bohannan, Robert C., Columbus, Ohio. Modulator. 1,537,982; May 19.
Bomar, Thomas B., Dallas, Tex. Wheel tightener. 1,538,613; May 19.
Bonk, Frank, jr., Ripon, Wis. Meter and signal for moving-picture reels. 1,538,510; May 19.
Borchardt, Herbert R., Hollywood, Calif. Signal. 1,538,378; May 19.
Bösebeck, Emil, Barmen, Germany, assignor to M. Henkels, New York, N. Y. Machine-braided lace. 1,538,160; May 19.
Bosshard, John J., assignor to The Hill Pump Valve Company, Chicago, Ill. Valve. 1,537,933; May 19.
Bourn, Stephen W., Providence, R. I. Tubular armoring machine. 1,538,161; May 19.
Bowlby, James H., Savonburg, Kans. Tourist bed. 1,538,379; May 19.
Boye Needle Company, The. (See Carlson, Gustaf A., assignor.)
Boyle, Daniel P. (See Boyle, James J., assignor.)
Boyle, James C. (See Kridler, B. C., and Boyle.)
Boyle, James J., assignor of one-half to D. P. Boyle, New York, N. Y. Penholder. 1,538,459; May 19.
Brandes, C., Inc. (See Staunton, Le Roy W., assignor.)
Brandt, Henry E., North St. Paul, Minn. Sprayer-pump structure. 1,538,021; May 19.
Brandt, William F., assignor to Wayne Tank and Pump Company, Fort Wayne, Ind. Illuminated sign for dispensing apparatus. 1,538,236; May 19.
Braselton, Chester H., New York, N. Y., assignor to The Willys-Overland Company, Toledo, Ohio. Spring suspension for vehicles. 1,537,983; May 19.
Braunstein, Arthur, Casper, Wyo. Paintbrush. 1,538,380; May 19.
Brawner, Harry O. (See Dunnock, John L., assignor.)
Brekke, Herman M., Virginia, Minn. Clothespin carrier. 1,538,022; May 19.
Bridges, William C., Muscatine, Iowa. Neck-shaving guard. 1,538,614; May 19.
Brooks, Lewis C., assignor to The National Paper Can Company, Milwaukee, Wis. Container. 1,538,085; May 19.
Brown, Franklin, and G. Smith, Philadelphia, Pa. Machine for dyeing articles. 1,538,162; May 19.
Browne, Frank A. (See Bell, A. L., and Browne.)
Bruton, Robert, Hale Center, Tex. Cotton harvester. 1,538,023; May 19.
Bryant Electric Company, The. (See Stendahl, Ludwig, assignor.)
Buch Manufacturing Co. (See Hamilton, Harry B., assignor.)
Buckhout, William C., Yonkers, N. Y. Wall construction. 1,538,681; May 19.
Budd, Edward G., Manufacturing Company. (See Trout, Walter M., assignor.)
Buechner, Frank A., Battle Creek, Mich. Inflatable ball. 1,538,163; May 19.
Buehler, John B., and C. J. Kern, Philadelphia, Pa. Process of and apparatus for weighing paper. 1,538,615; May 19.
Buell, Roy D., Chicago, Ill. Flow meter. 1,538,164; May 19.
Buell, Roy D., Chicago, Ill. Alarm or signal device. 1,538,165; May 19.
Bull, George F., assignor of one-half to Charles H. Pugh Limited, Birmingham, England. Lawn mower. 1,538,381; May 19.
Bullard Machine Tool Co., The. (See Kolb, George F., assignor.)
Bullard, William R., New York, N. Y. Apparatus for measuring currents in electrical cable systems. 1,538,382; May 19.
Bullard, William R., New York, N. Y. Method and apparatus for locating faults in electrical cable systems. 1,538,383; May 19.
Bulley, George W. (See Johnston, J. F., and Bulley.)
Burkett, Scott M., Tarentum, Pa. Clothes-wringer attachment. 1,538,511; May 19.
Burkman, Arthur, Kenosha, Wis. Pipe wrench. 1,538,616; May 19.
Burns, Bartholomew P., assignor of one-fourth to A. Dobscher, Chicago, Ill. Chaise longue. 1,538,617; May 19.
Burnside, Robert J., New Castle, Pa. Welding. 1,538,618; May 19.
Burrell, William C., Kankakee, Ill. Pavement-making device. 1,538,619; May 19.
Buttress, George A., Los Angeles, Calif. Making plaster board. 1,538,087; May 19.

Buttress, George A., Los Angeles, Calif., assignor to Buttress Manufacturing Company. Machine for cutting plaster board. 1,538,086; May 19.
Buttress Manufacturing Company. (See Buttress, George A., assignor.)
Butts, John V., Sanders, Ky. Wrench. 1,538,682; May 19.
By-Products Recovery Company. (See Mellott, Howard S., assignor.)
C. A. C. Automatic Machine Company, The. (See Carpenter, Alexander, assignor.)
C. G. Spring & Bumper Company, The. (See Dunston, Wayne E., assignor.)
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
C. V. Products Corporation. (See Seavey, Eugene, assignor.)
Cable Company, The. (See Hagery, James C., assignor.)
Cameron, Hugh M., Newark, N. J., assignor to John Chatillon & Sons, New York, N. Y. Scale. 1,538,461; May 19.
Campbell, Emerson B., Long Beach, Calif. Antifriction accelerator pedal. 1,538,088; May 19.
Campbell, Peter, and W. J. Banks, Bristol, England. Piston ring. 1,538,683; May 19.
Campbell, Sterling H., assignor to Western Railway Equipment Company, St. Louis, Mo. Brake mechanism. 1,537,934; May 19.
Canda, Ferdinand M., Chrome, N. J. Ball and rod mill. 1,538,620; May 19.
Canias, George K., Philadelphia, Pa. Cue. 1,538,237; May 19.
Canning, James, assignor to Lane Manufacturing Company, Montpelier, Vt. Reciprocating sawing machine. 1,538,512; May 19.
Carborundum Company, The. (See Hartmann, Miner L., assignor.)
Carlson, Gustaf A., assignor to The Boye Needle Company, Chicago, Ill. Embroidery hoop. 1,538,462. May 19.
Carmichael, Andrew J. (See Greist, W. C., Carmichael, and Peterson.)
Carmichael, Andrew J., and J. R. Peterson, assignors to The Greist Manufacturing Company, New Haven, Conn. Lamp-shade support. 1,538,543; May 19.
Carpenter, Alexander, assignor to The C. A. C. Automatic Machine Company, Carey, Ohio. Machine for assembling insulator knobs. 1,538,238; May 19.
Carrie, James, assignor to Plate Glass Machinery Co., Butler, Pa. Machine for grinding and polishing slabs. 1,538,463; May 19.
Cartlidge, Frank, Terre Haute, Ind., assignor to Sullivan Machinery Company. Mining machine. 1,538,684; May 19.
Cartlidge, Frank, Cincinnati, Ohio, assignor to Sullivan Machinery Company. Mining machine. 1,538,685; May 19.
Casein Manufacturing Company. (See Dunham, Andrew A., assignor.)
Casler, Herman, assignor to Production Engineering Corporation, Canastota, New York. Skate wheel. 1,538,268; May 19.
Cass, Fred S., Denver, Colo., assignor to The Rex Iron Works Company. Force pump. 1,538,166; May 19.
Caulk, L. D., Company. (See Grier, Garrett L., assignor.)
Carothers, John N., and A. B. Gerber, Anniston, assignors to Federal Phosphorus Company, Birmingham, Ala. Purification of phosphoric acid. 1,538,089; May 19.
Celluloid Company, The. (See Lindsay, William G., assignor.)
Chamberlain, William T., New York, N. Y. Air preheater. 1,538,686; May 19.
Champion, Albert, assignor to A. C. Spark Plug Company, Flint, Mich. Spark plug. 1,538,870; May 19.
Chandler, Adelbert, Avondale, Mo. Grain-door puller. 1,538,024; May 19.
Chappell, John L., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif. Wall bracket. Des. 67,335; May 19.
Chappell, John L., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif. Chandelier. Des. 67,336; May 19.
Chappell, John L., assignor to Union Art Glass & Fixture Co., Los Angeles, Calif. Chandelier. Des. 67,337; May 19.
Chappell, Richard S. (See Chappell, W. G. and R. S., and Smith.)
Chappell, William G. and R. S., and S. C. Smith, Detroit, Mich. Hydraulic-jack system. 1,538,167; May 19.
Chase, Elroy A., Northfield, Vt. Coarse-grinding wheel for surfacing stone. 1,538,687; May 19.
Chase, Henry H., Jamestown, N. Y. Wrench container. 1,538,621; May 19.
Chatillon, John, & Sons. (See Cameron, Hugh M., assignor.)
Chicago Bridge & Iron Company. (See Daniels, Edwin G., assignor.)
Chich, Fred W., Weyauwega, Wis. Wagon-unloading device. 1,538,464; May 19.
Chicoine, Louis, Wilton, Me. Shoe-tongue holder. 1,538,688; May 19.
Christmyer, Joseph L., et al. (See Evans, W., and Barr, assignors.)
Church, Frank S., assignor of one-half to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Air spring. 1,538,420; May 19.
Cincinnati Shaper Company, The. (See Hasleton, Robert T., assignor.)
Citron, William, trustee. (See Kritchevsky, W., and Prutsman, assignors.)
Clapp, Albert L., Danvers, Mass. Making fibrous material. 1,538,465; May 19.
Clark, James H., Detroit, Mich. Sand-delivery mechanism for tractor-locomotive attachments. 1,537,984; May 19.
Clark, James H., River Rouge, Mich. Automatic coupler for vehicles. 1,537,935; May 19.
Clark, Omar E., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Rock-drilling apparatus. 1,538,421; May 19.
Claudepierre, Joseph C., Akron, Ohio. Kitchen chute. 1,538,239; May 19.
Claudepierre, Joseph C., Akron, Ohio. Waste-disposal chute. 1,538,240; May 19.
Clayton & Lambert Manufacturing Company. (See Groehn, Otto J., assignor.)
Clements, Menefee R., South Bend, Ind. Savings bank. 1,538,090; May 19.
Cobb, William R., Berkeley, Calif. Drive mechanism. 1,538,091; May 19.
Cochran, Clyde E., assignor to The Elwell Parker Electric Company, Cleveland, Ohio. Truck for handling paper rolls and other articles. 1,538,168; May 19.
Cochran, Wesley E., Cleveland, Ohio. Lighting fixture. 1,538,422; May 19.
Cocking, Richard, Waltham, Mass. Textile fabric. Des. 67,338; May 19.
Cohen, Herbert, now, by judicial change of name, H. Cole, New York, N. Y. Valve. 1,538,092; May 19.
Cohen, Louis, and J. O. Mauborgne, Washington, D. C. Electrical signaling. 1,538,466; May 19.
Cohen, Louis, and J. O. Mauborgne, Washington, D. C. Electrical signaling. 1,538,570; May 19.
Colas, Andre P. J., et al. (See Colas, Louis J. B. A., assignor.)
Colas, Louis J. B. A., assignor to himself, A. P. J. Colas, and Société l'Alfa, Société Anonyme pour la Fabrication des Pâtes de Cellulose, Paris, France. Treating black liquors from the caustic-soda treatment of cellulosic substances. 1,538,269; May 19.
Cole, Carter S., Harrisburg, Pa. Indicator for feed-water pumps. 1,538,423; May 19.
Cole, Herbert. (See Cohen, Herbert.)
Collier, David C., Santa Fe, N. Mex. Agitating, washing, and drying. 1,538,270; May 19.
Collins, Douglas, Salisbury, N. C. Stoneworking machine. 1,538,622; May 19.
Collins, Douglas, Salisbury, N. C. Stoneworking machine. 1,538,623; May 19.
Collins, Harry, assignor to H. Collins, New York, N. Y. Pattern and method of publication. 1,537,985; May 19.
Collins, Hattie. (See Collins, Harry, assignor.)
Colville, Elmer, jr., Pittsburgh, Pa. Self-inking stamp pad. 1,538,241; May 19.
Comerford, Michael P., and H. B. Parrett, Ottawa, Ontario, Canada. Reversible window. 1,538,025; May 19.
Concrete Fixtures Company, The. (See Warndorff, Erwin O., assignor.)
Cone Company of America, The. (See Lewison, Lewis, assignor.)
Conklin, Harry S., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Floater for glass furnaces. 1,538,169; May 19.
Conner, Harrison W., Boston, Mass. Windshield for automobiles. 1,538,271; May 19.
Continental Car Company of America. (See McKinley, A. B., and Hurley, assignors.)
Cook, Jay, Coldwater, Mich. Playground apparatus. 1,538,272; May 19.
Cooke, George, et al. (See Evans, W., and Barr, assignors.)
Cooper, Malcolm, Balham, assignor to The H. T. C. Electrical Co; Limited, London, England. Holder for thermionic valves. 1,538,868; May 19.
Cooper, William, and Nephews. (See Schroedter, George M. assignor.)
Copeman, Lloyd G., Flint, Mich. Molding the shells of refrigerators. 1,538,467; May 19.
Copeman, Lloyd G., Flint, Mich. Casting refrigerator doors. 1,538,468; May 19.
Copeman, Lloyd G., Flint, Mich. Refrigerator. 1,538,469; May 19.
Copeman, Lloyd G., Flint, Mich. Refrigerator door. 1,538,470; May 19.
Copeman, Lloyd G., Flint, Mich. Collapsible molding dies. 1,538,471; May 19.
Corcoran, Thos. J., Lamp Co., The. (See Church, Frank S., assignor.)
Corcoran, Thos. J., Lamp Co., The. (See Ryder, Charles D., assignor.)
Cotton, James H., Toronto, Ontario, Canada, assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Anæsthetic. 1,538,513; May 19.

Connard, Felix J., et al. (See Counard, Louis, assignor.)
Counard, Louis, Brussels, assignor of one-third to F. J. Counard and one-third to J. J. Neville, Green Bay, Wis. Securing and locking sliding doors. 1,538,242; May 19.
Courtaulds Limited. (See Cross, Charles F., assignor.)
Cramer, Albert L., Denver, Colo. Adjustable arch support. 1,538,026; May 19.
Cramp, Richard, assignor to John Knight Limited, London, England. Instrument for the application of shaving cream or the like. 1,538,170; May 19.
Crisson, George, Hackensack, and S. P. Shackleton, Wyoming, N. J., assignors to American Telephone and Telegraph Company. Telephone repeater equipment. 1,537,986; May 19.
Crockett, Quinn M., and O. Day, Austin, Tex. Removable cover for truck bodies. 1,538,384; May 19.
Crooker, Harry W., Boston, Mass. Welt shoe. 1,538,514; May 19.
Crosley, Powel, jr., Cincinnati, Ohio. Condenser. 1,538,472; May 19.
Cross, Charles F., Lincolns Inn, London, assignor to Courtaulds Limited, London, England. Manufacture and production of threads, filaments, and the like from viscose. 1,538,689; May 19.
Cross, William, Polo, Ill. Box fastener. 1,538,473; May 19.
Crouch, Marion L., Milwaukee, Wis. Soap-molding machine. Re16,076; May 19.
Crowley, J. B., et al. (See Shanahan, Stephen, assignor.)
Cunniff, Edward A., Waltham, assignor to Draper Corporation, Hopedale, Mass. Loom. 1,538,624; May 19.
Cushing, Joseph L., Lowell, Mass. Pneumatic-conveyer switch. 1,538,027; May 19.
Cuthbert, Robert F., assignor to Theo. Tiedemann & Sons, Inc., New York, N. Y. Box for garments. 1,538,424; May 19.
D. & H. Lamp Co., The. (See Deery, Daniel H., assignor.)
Dailey, Edward L., Berg, N. Dak. Funnel. 1,538,171; May 19.
Dake, Charles W., Chicago, Ill. Lens for headlights. 1,538,172; May 19.
Dale, Dudley R., assignor to The S. M. Jones Company, Toledo, Ohio. Sucker rod. 1,538,093; May 19.
Daman, Arthur C., Denver, Colo. Drier. 1,538,385; May 19.
Daniels, Edwin G., assignor to Chicago Bridge & Iron Company, Chicago, Ill. Spacing table. 1,538,474; May 19.
Daniels, Oscar, Bowmanville, Ontario, Canada. Automatic fishing reel. 1,537,936; May 19.
Darrow, Mary A., Miami, Fla. Tap for liquid containers. 1,538,273; May 19.
Daughaday, Frank P., assignor to Freeman-Daughaday Co., Chartley, Mass., also doing business as Providence Collar Button Company, Providence, R. I. Golf tee. 1,538,173; May 19.
Davidson, Saul, New York, N. Y. Portable phonograph. 1,538,690; May 19.
Davis, Alvin W., North Leominster, assignor to Simonds Saw and Steel Company, Fitchburg, Mass. Composite cutter blade and making the same. 1,538,028; May 19.
Davis Boring Tool Company. (See Davis, Emery E., assignor.)
Davis Brake Beam Company. (See Fowler, William E., jr., assignor.)
Davis, Emery E., assignor to Davis Boring Tool Company, St. Louis, Mo. Holding device. 1,538,174; May 19.
Davis, Gilbert G. and M. J., Portland, Oreg. Log raft and rafting device. 1,538,475; May 19.
Davis, Harry A., and A. S. Johnson, assignors to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,538,625; May 19.
Davis, James M., et al. (See Straehle, F. W., and Lee, assignors.)
Davis, Matthew J. (See Davis, Gilbert G. and M. J.)
Davis, Walter T., assignor to Wheeling Stamping Company, Wheeling, W. Va. Container and closure therefor. 1,538,094; May 19.
Dawney, Ray V. (See Holloway, H. C., and Dawney.)
Day, Oliver. (See Crockett, Q. M., and Day.)
Dayton Friction Toy Company, The. (See Munday, Richard B., assignor.)
Dayton Rubber Manufacturing Company, The, et al. (See Short, Charles R., assignor.)
Debay, George C., Springdale, Pa. Machine for cored building blocks of plastic material. 1,538,425; May 19.
Decker, J. Ben. (See Faber, Henry B., assignor.)
Deckert, Virgil F., Minneapolis, Minn. Water heater. 1,537,987; May 19.
Deery, Daniel H., assignor to The D. & H. Lamp Co., Bridgeport, Conn. Lamp structure. 1,538,175; May 19.
Deery, Daniel H., assignor to The D. & H. Lamp Co., Bridgeport, Conn. Indicator for automobile lamps. 1,538,176; May 19.
Deery, Daniel H., assignor to the D. & H. Lamp Co., Bridgeport, Conn. Light indicator for automobile lamps. 1,538,177; May 19.
De Feo, Vincenzo, assignor to Società Anonima Ansaldo San Giorgio, Spezia, Italy. Turret for submersible vessels, suitable either as a steering house or water-ballast tank. 1,538,782; May 19.
Deighan, Norbert C., Cleveland, Ohio. Advertising apparatus. 1,538,178; May 19.
Delamater, George R., Lakewood, Ohio. Float and sink testing apparatus. 1,538,626; May 19.
De Remer, Jay G., Greenwich, Conn., assignor to Savage-De Remer Corporation. Refrigerating apparatus. 1,537,937; May 19.
Delaney, M. J. (See McElliott, Joseph, assignor.)
De Meurisse, Alfred, Brooklyn, N. Y. Form holder. 1,538,386; May 19.
Denver Rock Drill Manufacturing Company, The. (See Clark, Omar E., assignor.)
Despard, Victor R., assignor to McGill Manufacturing Company, Valparaiso, Ind. Switch mounting. 1,538,274; May 19.
Detlaff, Anthony J., Detroit, Mich. Clutch. 1,538,029; May 19.
Deutsche Schweissmaschinen-Fabrik, Becker & Co., A. G. (See Dyhr, Svend, assignor.)
Dewar, William H., assignor to Pooley Furniture Company, Inc., Philadelphia, Pa. Radiocabinet. Des. 67,339; May 19.
Dewoitine, Emile, Toulouse, France. Controlling device for varying the incidence of aeroplane stabilizers. 1,538,095; May 19.
Diamond Match Company, The. (See Paridon, Michael, assignor.)
Dick, A. B., Company. (See Green, Charles F., assignor.)
Dietz, William P., Baltimore, Md. Playing cards. 1,538,515; May 19.
Di Lauro, Benvenuto, Akron, Ohio. Swimming device. 1,538,627; May 19.
Dillinger, Charles E., Santa Maria, Calif. Game ball. 1,537,988; May 19.
Dillman, Edward L., Jamaica, N. Y. Manufacture of dental plates. 1,538,691; May 19.
Dillman, Edward L., New York, N. Y. Dental plate. 1,538,692; May 19.
Dincognito, Guy, Chicago, Ill. Wire-splitting tool. 1,538,628; May 19.
Dingertz, Karl, Alingsas, Sweden. Davit arm. 1,538,783; May 19.
Di Renzo, Rosario, Portland, Me. Swimming device. 1,538,544; May 19.
Dixon, Leonard V., assignor to Dunlop Tire & Rubber Goods Co. Limited, Toronto, Ontario, Canada. Stock guide for the rolls of mixing machines and the like. 1,538,179; May 19.
Dobscher, Andrew. (See Burns, Bartholomew B., assignor.)
Doehring, Stephen C., Houston, Tex. Portable power attachment for hand stocks and pipe dies. 1,538,096; May 19.
Dombrowski, Carl E. (See Freeberg, A., and Dombrowski.)
Domestic Electric Company, The. (See Herrick, Albert B., assignor.)
Doolin, Hiram C., Albany, Mo. Automatic gear-shifting device. 1,538,387; May 19.
Dooner, Edward J., New York, N. Y. Fastener. 1,538,314; May 19.
Dorsey, Parmer, Wichita, Kans., and R. D. McIntosh, River Forest, assignors to The Imperial Brass Manufacturing Company, Chicago, Ill. Pressure-relief valve. Re16,071; May 19.
Dostal, George A., assignor to Pictorial Soap Manufacturing Corporation, New York, N. Y. Label-affixing apparatus. 1,538,388; May 19.
Doughty, Herman W. (See Behan, T. W., and Doughty.)
Dowald, Adolf, Bremen, Germany. Ball bearing. 1,538,275; May 19.
Downing, Philip B., Everett, Mass. Combined writing tablet and copyholder. 1,538,629; May 19.
Draper, Clare H., Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Harness mechanism for looms. 1,538,097; May 19.
Draper Corporation. (See Beasley, William E., assignor.)
Draper Corporation. (See Cunniff, Edward A., assignor.)
Draper Corporation. (See Davis, H. A., and Johnson, assignors.)
Draper Corporation. (See Kavanagh, Patrick, assignor.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Dreesen, Jerome J. B., Jefferson, Tex. Boll-weevil exterminator. 1,538,276; May 19.
Dreyfus, Henry, London, England. Manufacture of textile fabrics. 1,538,030; May 19.
Driggs, John W. (See McCarty, C. D., and Driggs.)
Duffie, John J., Berkeley, Calif., assignor to Government of the United States. Thermomicrophonic firing device for submerged mines. 1,538,315; May 19.
Duffie, John J., Berkeley, Calif., assignor to Government of the United States. Explosive mine. 1,538,316; May 19.
Duffy, Elwood P., Arvado, Colo. Hose supporter. 1,538,098; May 19.
Duke, Charles D., Catlettsburg, Ky. Automatic train control. 1,538,784; May 19.

Dula, Caleb C., Yonkers, N. Y. Packing and preserving fruits and other food products and commodities. 1,538,277; May 19.
Dumbovich, Frank, Detroit, Mich. Spark plug. 1,537,938; May 19.
Duncan, Floyd E., Escondido, Calif. Ditching plow. 1,538,099; May 19.
Dunham, Andrew A., Bainbridge, assignor to Casein Manufacturing Company, New York, N. Y. Casein waterproof glue or cement. 1,537,939; May 19.
Dunlop Rubber Company Limited. (See Randles, John T. T., assignor.)
Dunlop Tire & Rubber Goods Co. Limited. (See Dixon, Leonard V., assignor.)
Dunnock, John L., assignor of one-half to H. O. Brawner, Baltimore, Md. Receptacle and closure therefor. 1,538,848; May 19.
Dunston, Wayne E., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper-supporting means. 1,538,426; May 19.
Dunzweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery container. 1,538,031; May 19.
Du Pont, E. I., de Nemours & Company. (See Cotton, James H., assignor.)
Du Pont, E. I., de Nemours & Company. (See Funk, Forest J., assignor.)
Du Puy, Charles A., Omak, Wash. Cooling system for engines. 1,537,950; May 19.
Dura Company, The. (See Lawrence, J. D., and Nicholson, assignors.)
Dura Company, The. (See Nicholson, Stanley W., assignor.)
Dyhr, Svend, Berlin-Charlottenburg, assignor to Deutsche Schweissmaschinen-Fabrik, Becker & Co., A. G., Berlin-Schoneberg, Germany. Electric welding. 1,538,278; May 19.
Dykes, John H., Donaldsonville, Ga. Boll-weevil catcher. 1,538,100; May 19.
Earl, George G., New Orleans, La. Means and method for governing fluid pressures. 1,538,427; May 19.
Eberly, Weir B., Mechanicsburg, Pa. Armrest. 1,538,101; May 19.
Eclipse Machine Company. (See Bijur, Joseph, assignor.)
Edelblute, Thomas H., Pittsburgh, Pa. Track brace. 1,538,630; May 19.
Edmondson, Cary B. (See Kennedy, C. J., and Prince, assignors.)
Efantis, George B. (See Kasnicka, J. F., and Efantis.)
Eger, George, assignor to The Stanley Works, New Britain, Conn. Display stand. 1,538,849; May 19.
Electro Company. (See Moxham, Arthur J., assignor.)
Electrocar Corporation. (See Applada, Joseph A., assignor.)
Elliott, Blanche. (See Thomas, R. G., and Elliott.)
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Elwell Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Ellsworth, Albert L. (See Harley, Bertron G., assignor.)
Elsner, Heinrich, Dresden, Germany. Machine for cutting several individual cigarettes from previously-cut cigarette rods. 1,538,476; May 19.
Emery, Pinto G., Chicago, Ill. Releasing handle for vestibule curtains. 1,538,545; May 19.
Emmons, Albert F., Pittsburgh, Pa. Pole-line insulator. 1,538,428; May 19.
Endicott Johnson Corporation. (See Teetsal, Richard M., assignor.)
Epstein, Irving, Brooklyn, N. Y., assignor of one-half to E. F. Shuster, New Haven, Conn. Wire-reel support. 1,538,477; May 19.
Erdey, Joseph E., and H. E. Kerr, assignors to The Safelock Co. Inc., Cleveland, Ohio. Lock for automobile steering wheels. 1,538,478; May 19.
Ericson, Frits A., Chicago, Ill., assignor of one-half to N. C. Benson and H. Peterson. Round-cornering machine for book covers. 1,537,940; May 19.
Escher, Ireta L. (See Whitaker, Ed., assignor.)
Espenschied, Lloyd, Hollis, N. Y., assignor to American Telephone and Telegraph Company. Improving broadcast reception. 1,537,990; May 19.
Evans, William, and A. Barr, Martins Ferry, assignors of one-tenth to J. L. Christmyer, Bellaire, and three-tenths to G. Cooke, Martins Ferry, Ohio. Side bearing for roll necks. 1,538,180; May 19.
Ewan, Thomas, Glasgow, Scotland. Manufacture of alkali metals. 1,538,389; May 19.
Ewan, Thomas, Glasgow, Scotland. Treatment of alkali-metal amalgams, especially for the production of alkali metals. 1,538,390; May 19.
Faber, Henry B., Brooklyn, N. Y., assignor to J. B. Decker, Elkton, Md. Pyrotechnic article. 1,538,785; May 19.
Fahey, Norine, St. Paul, Minn. Corset attachment. 1,538,181; May 19.
Fair, Charles S., Fort Wayne, Ind. Gasoline-dispensing device. 1,538,102; May 19.
Fanders, Marten, Diller, Nebr. Automatic door or gate. 1,538,103; May 19.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Bergdolt, W., and Hauck, assignors.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Stüsser, Richard, assignor.)
Farbwerke vorm. Meister Lucius & Brüning. (See Wilke, K., and Stock, assignors.)
Farrar, Jesse R., et al. (See Armistead, C. L., and Bates, assignors.)
Faucon, Marguerite, née Berger, St. Mande, France. Toilet brush. 1,538,279; May 19.
Feldenheimer, William. (See Schidrowitz, P., Feldenheimer, and Plowman.)
Feldmann, Louis, Brooklyn, N. Y. Vanity box. 1,538,786; May 19.
Federal Phosphorus Company. (See Carothers, J. N., and Gerber, assignors.)
Federwitz, Theodore A. (See Nitsch, C. H., and Federwitz.)
Fillmore, Oswald L., Harriman, Tenn. Valve. 1,538,787; May 19.
Fine, Robert, assignor of one-fourth J. V. Kosek, Wilkes-Barre, Pa. Safety attachment for motion-picture machines. 1,538,391; May 19.
Firestone Tire & Rubber Company, The. (See Stevens, Horace D., assignor.)
Fischer, Hans, Lucerne, Switzerland. Surgical injector. 1,538,032; May 19.
Fish, Ezra B., Kansas City, Mo. Method of and apparatus for making multiple-ply paper. 1,538,788; May 19.
Flemming, Charles F., Akron, Ohio. Float and making same. 1,538,789; May 19.
Flinchbaugh, Frederick T., York, assignor to Wayne Tool Manufacturing Company, Waynesboro, Pa. Portable reboring machine for engine cylinders. 1,538,317; May 19.
Fleury, Thomas J., Toronto, Ontario, Canada. Combination lock. 1,538,479; May 19.
Focke, Paul, Barmen, Germany. Bendable printing plate. 1,538,182; May 19.
Fold-O-Lock Steering Wheel Mfg. Corporation. (See Hagberg, Carl A., assignor.)
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Writing adding machine. 1,538,392; May 19.
Forney, Jacob S., Mannington, W. Va. Tongs. 1,538,790; May 19.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism. 1,538,429; May 19.
Forsyth, Valorie L., Fort Worth, Tex. Self-aligning pitman bearing box. 1,538,318; May 19.
Foster, Joseph F., Jackman, Me. Moccasin. 1,538,104; May 19.
Foulds, Robinson P. (See Barrett, F. L., and Foulds.)
Fowler, Minnie M., Portland, Oreg. Camper's table. 1,538,393; May 19.
Fowler, Walter, London, England. Grinding mill. 1,538,791; May 19.
Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Shoe for brake-beam supports. 1,538,280; May 19.
Fowler, William E., jr., Mount Lebanon, assignor to Davis Brake Beam Company, Johnstown, Pa. Securing brake-beam supports to spring planks. 1,538,281; May 19.
Fox, Richard W. H., Palmers Green, England. Treating the surface of bronze, brass, and like metals. 1,538,792; May 19.
Fraim, Samuel R., Lancaster, Pa. Padlock. 1,538,033; May 19.
Francis, Annie, assignor to Frederick Stearns & Company, Detroit, Mich. Container for perfume, etc. 1,538,631; May 19.
Franklin Simon & Co. (See Schmoise, Mildred C., assignor.)
Freeberg, Alfred, and C. E. Dombrowski, Norwich, Conn. Self-closing valve. 1,538,394; May 19.
Freeman-Daughaday Co. (See Daughaday, Frank P., assignor.)
Freeman, Hadley F. (See McIntyre, Edward W., assignor.)
Frey, Albert E., Detroit, Mich., assignor to Studebaker Corporation. Clutch. 1,538,034; May 19.
Fry, Virgil W., Sandborn, Ind. Guard and ledger plate for mowers. 1,538,282; May 19.
Fuller, Claud E., New York, N. Y., assignor to American Equipment Company, Chicago, Ill. Crane. 1,537,991; May 19.
Fulton Bell Company. (See Harris, Jacob M., assignor.)
Fulton, William B., Middletown, Ohio. Heating and drying apparatus. 1,538,105; May 19.
Funk, Forest J., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Butyl alcohol and acetone fermentation process. 1,538,516; May 19.
Gallagher, Edward A., Mount Vernon, Wash. Milk pail. 1,538,480; May 19.
Gallagher, Francis E., and W. M. Peckham, Troy, N. Y. Densometer for testing fabrics. 1,538,793; May 19.
Galson, Henry L. (See Hurxthal, A. O., and Galson.)
Gamewell Company, The. (See Smith, Harry S., assignor.)
Gammeter, John R., Akron, Ohio, assignor to The American Chain Company, Bridgeport, Conn. Bead core. 1,538,430; May 19.

Gane, John, Vancouver, British Columbia, Canada. Coupling connection to hose pipes. 1,538,395; May 19.
Garrett, Odessa, Clinchco, Va. Porch swing. 1,538,396; May 19.
Garvin, Peter J., New York, N. Y. Pipe-supporting means and more especially to pipe lifters. 1,538,867; May 19.
Gathin, William H. (See Bell, Lorenzo W., assignor.)
Gaumont, Léon, assignor to Société des Etablissements Gaumont, Paris, France. Sound-producing apparatus or electromagnetic receiving or emitting device. 1,538,319; May 19.
Gaylor, George S., assignor to Menasha Printing & Carton Co., Menasha, Wis. Egg carton. 1,538,106; May 19.
Gearon, Edward, Chicago, Ill. Medicator. 1,537,092; May 19.
Gebhardt, Fred F., Pittsburgh, Pa. Spark plug. 1,538,517; May 19.
General Gas Light Company, The. (See Humphrey, Frederick J., H. R., and G. A., assignors.)
General Motors Corporation. (See Baty, George, assignor.)
General Motors Corporation. (See Milner, Wilfred R., assignor.)
General Motors Corporation. (See Whitten, Frank A., assignor.)
General Motors Research Corporation. (See Short, Charles R., assignor.)
General Motors Research Corporation et al. (See Short, Charles R., assignor.)
Gensmer, Theodore, Portland, Oreg. Desk pad. 1,538,795; May 19.
Gerber, Arthur B. (See Carothers, J. N., and Gerber.)
Gertsfeld, Abraham, New York, N. Y. Lock. 1,538,283; May 19.
Geschwind, Lucien, Paris, France. Roasting furnace. 1,538,794; May 19.
Gewert, Edwin R., Cincinnati, Ohio. Vulcanizer. 1,538,481; May 19.
Giertsen, Sigurd, Christianssands, assignor to Kristianssands Nikkelraffineringsverke, Christianssands-S, Norway. Copper-nickel anode and preparing the same. 1,538,431; May 19.
Gilbert, Henry F., Miami, Fla. Container rack. 1,538,693; May 19.
Giller, Hugo A., Elmhurst, N. Y. Piston ring and making the same. 1,538,107; May 19.
Gillette, Forest W., Hoboken, N. J. Lock for brake levers. 1,538,035; May 19.
Gilman, Charles E., Kew Gardens, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Printed fabric. Des. 67,340; May 19.
Gilman, Charles E., Kew Gardens, assignor to Goldstein-Wilkins Corporation, New York, N. Y. Printed fabric. Des. 67,341; May 19.
Ginsberg, Albert E., Liverpool, England. Safety razor. 1,538,850; May 19.
Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,538,183; May 19.
Glass, Frank A., Brainerd, Minn. Producing hard, cellular, clay products. 1,538,482; May 19.
Glauber, Myron J., Los Angeles, Calif. Partition valve. 1,538,284; May 19.
Gledhill, Edward C., Galion, Ohio. Truck-turning apparatus. 1,5638,694; May 19.
Glenn, Seldon R. (See Street, B. S., and Glenn.)
Globe Elevator Appliance Company. (See Minney, David F., assignor.)
Goldstein, Samuel I., Rochester, N. Y. Belted garment. 1,538,632; May 19.
Goldstein-Wilkins Corporation. (See Gilman, Charles E., assignor.)
Gonzáles y Hernandez, Tirso, Sangua la Grande, Cuba. Apparatus for raising vehicles. 1,538,113; May 19.
Goodrich, Frederic H., Greenville, Mich. Jack. 1,538,397; May 19.
Goodrich, Harold K., Benson, Vt. Snow attachment for automobiles. 1,538,638; May 19.
Gorden, G Murl, Portland, Oreg., assignor, by mesne assignments, to American By-Products Corporation. Multiple-unit retort. 1,538,796; May 19.
Gerton, Walter T., U. S. Army. Combined barrel support and flash hider for guns. 1,538,243; May 19.
Goss, Harold J., Nashua, N. H., assignor to The Lake Erie Trust Company, Cleveland, Ohio. Assembling mechanism for box-making machines. 1,538,851; May 19.
Government of the United States. (See Duffie, John J., assignor.)
Grabbe, Elmer E., Sandborn, Ind. Dumping-wagon body. 1,538,695; May 19.
Graham, Ota T., Richmond, Va. Water-circulating system for concrete mixers and engines. 1,538,696; May 19.
Griffin, Julius. (See Mead, George B., assignor.)
Gray, Daniel. (See Pencock, W., and Gray.)
Grier, Garrett L., assignor to The L. D. Caulk Company, Milford, Del. Medicament-injecting tube. 1,538,797; May 19.
Grier, Garrett L., assignor to The L. D. Caulk Company, Milford, Del. Dental injection tube. 1,538,798; May 19.
Grochn, Otto J., assignor to Clayton & Lambert Manufacturing Company, Detroit, Mich. Torch-burner construction. 1,538,634; May 19.
Grand Council Order of De Molay for Boys. (See Land, Frank S., assignor.)
Grant, John A., et al. (See Smith, Blanchard D., assignor.)
Grainge, John B., Orlando, Fla. Grapefruit-coring implement. 1,538,398; May 19.
Griffin, Charles, Ypsilanti, Mich. Ash remover. 1,538,799; May 19.
Green, Charles F., Romford, England, assignor to A. B. Dick Company, Chicago, Ill. Inking device for duplicating machines. 1,538,899; May 19.
Granat, Elie, Paris, France. Electric distant-control system. 1,538,546; May 19.
Greist Manufacturing Company, The. (See Carmichael, A. J., and Peterson, assignors.)
Greist Manufacturing Company, The. (See Greist, W. C., Carmichael, and Peterson, assignors.)
Greist, Walter C., A. J. Carmichael, and J. R. Peterson, assignors to The Greist Manufacturing Company, New Haven, Conn. Lamp-shade support. 1,538,547; May 19.
Grantham, Frederic C., Vancouver, British Columbia, Canada. Liquid-cooling dispensing device. 1,538,483; May 19.
Guide Motor Lamp Manufacturing Company, The. (See Michel, Clarence A., assignor.)
Gullong, Jacob, Chicago, Ill. Plate lock. 1,538,320; May 19.
Gunn, Charles H., Oakland, Calif. Voice-transmitting device. 1,538,321; May 19.
Gunter, James E., assignor to Southern Can Company, Baltimore, Md. Cutting and stacking sheet-metal blanks. 1,538,322; May 19.
Gurney Scale Company. (See Steedman, James P., assignor.)
Gutberlet, Charles J., Philadelphia, Pa. Plate-printing press. 1,538,323; May 19.
H. T. C. Electrical Co. Limited. (See Cooper, Malcolm, assignor.)
Haanstad, Alfred M., Eau Claire, Wis. Dirigible headlight. 1,538,548; May 19.
Hadaway, John B., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Cushion-heel blank. 1,538,036; May 19.
Hadley Company, The. (See Toot, Charles R., assignor.)
Hagberg, Carl A., assignor to Fold-O-Lock Steering Wheel Mfg. Corporation, Wichita, Kans. Adjustable locking device for steering wheels. 1,538,852; May 19.
Hagemann, Frank, Cisco, Tex. Table. 1,538,037; May 19.
Hagen, Harry A., East Dubuque, Ill. Score card. 1,538,697; May 19.
Hagey, James C., assignor to The Cable Company, Chicago, Ill. Valve-seat construction. 1,538,108; May 19.
Hahn, Frank R., Decatur, Ill. Building unit and tie for same. 1,538,549; May 19.
Hahn, Johann, Pittsburgh, Pa. Bloom shears. 1,538,635; May 19.
Hahn, Samuel H., and F. Morse, New Haven, Conn. Life belt. 1,538,484; May 19.
Hale, Jackson T., Atlanta, Ga., assignor to Miller Saw-Trimmer Company, Pittsburgh, Pa. Sheet-feeding machine. 1,538,184; May 19.
Hall, Marcellus C., West Marion, S. C. Rotary flue cleaner. 1,538,698; May 19.
Hall, Randolph F., Ithaca, N. Y., assignor of one-fourth to T. P. Hall, Wallingford, Conn., and three-sixteenths to P. Wilson, Ithaca, N. Y. Airplane. 1,538,800; May 19.
Hall, Randolph F., Ithaca, N. Y., assignor of one-fourth to T. P. Hall, Wallingford, Conn., and three-sixteenths to P. Wilson, Ithaca, N. Y. Airplane. 1,538,801; May 19.
Hall, Theodore P., et al. (See Hall, Randolph F., assignor.)
Hall Tobacco Chemical Company. (See Arnold, Robert B., assignor.)
Hammer, Mabel W., New York, N. Y. Necktie holder. Des. 67,342; May 19.
Hampden Glazed Paper & Card Company. (See Stone, Thomas L., assignor.)
Hamilton, Harry B., assignor to Buch Manufacturing Co., Elizabethtown, Pa. Lawn roller. 1,538,550; May 19.
Hannibal Car Wheel & Foundry Company. (See Mulvihill, Daniel C., assignor.)
Hanson, Bernard, Martin, Ohio. Headlight. 1,538,109; May 19.
Harbes, George J., Leonardville, Kans. Storage-battery switch lock. 1,538,038; May 19.
Hardwicke-Etter Company. (See Streun, John A., assignor.)
Harhay, Michael R., Havre de Grace, Md. Steam and air injector for internal-combustion engines. 1,538,039; May 19.
Harley, Bertron G., Widewater, Va., assignor to A. L. Ellsworth, Toronto, Canada. Propeller for boats. 1,538,802; May 19.

Harris Automatic Press Company, The. (See Wright, Charles J., assignor.)
Harris, Charles K., New York, N. Y. Card holder. 1,538,803; May 19.
Harris, Charles W. (See Harris, Kenneth L. and C. W.)
Harris, Jacob M., assignor to Fulton Bell Company, New York, N. Y. Toaster. 1,538,551; May 19.
Harris, John W., Wesley, Iowa. Manure loader. 1,538,552; May 19.
Harris, Kenneth L. and C. W., New Brighton, Pa. Automobile bumper. 1,538,804; May 19.
Harris, William E., Longview, Tex. Railway-bed-mowing machine. 1,538,805; May 19.
Hartmann, Charles A., Newark, N. J. Auto headlight-deflector device. 1,538,110; May 19.
Hartmann, Miner L., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive article. 1,538,111; May 19.
Harvey, Frederick G., Sydney, New South Wales, Australia, and C. O'Connor, Auckland, New Zealand. Clothes-drying frame. 1,538,185; May 19.
Hater, Harry J. (See Owen, R. J., and Rindsberg, assignors.)
Haubroe, Werner C. L., Copenhagen, Denmark. Carrying case for machine-gun barrels. 1,538,112; May 19.
Hauck, Ludwig. (See Bergdoit, W., and Hauck.)
Hawes, David, Philadelphia, Pa. Garter. 1,538,806; May 19.
Hazelton, Robert T., assignor to The Cincinnati Shaper Company, Cincinnati, Ohio. Belt guard. 1,538,853; May 19.
Head, Carl, Decatur, Ill. Indoor football game. 1,538,807; May 19.
Heald, James N., assignor to The Heald Machine Company, Worcester, Mass. Water tank for grinding machines. 1,538,553; May 19.
Heald Machine Company, The. (See Heald, James N., assignor.)
Heath, Charles G., Hart, Mich. Envelope. 1,538,699; May 19.
Hedeen, Arthur, Portland, Oreg. Cake and pastry server. 1,538,808; May 19.
Heintz, Leo I., Philadelphia, Pa. Knockdown body for automobile trucks. 1,538,324; May 19.
Heising, Raymond A., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wave transmission. 1,537,941; May 19.
Heitzmann, Oscar, assignor of one-half to D. H. Steineke, St. Louis, Mo. Longitudinal and transverse arch support. 1,538,040; May 19.
Hendricks, John J., Seattle, Wash. Testing jig for engine connecting rods. 1,538,186; May 19.
Henkels, Max. (See Bentè, E., and Stuhlmann, assignor.)
Henkels, Max. (See Bösebeck, Emil, assignor.)
Henry, Beulah L., New York, N. Y. Hair curler. 1,538,809; May 19.
Herdle, Frederick J., Chicago, Ill. Differential. 1,538,810; May 19.
Herrick, Albert B., assignor to The Domestic Electric Company, Cleveland, Ohio. Method and apparatus for placing windings in motor stators. 1,538,187; May 19.
Herzberg, Wilhelm, Berlin-Wilmersdorf, G. Hoppe, Berlin-Treptow, and H. Ohlendorf, Berlin-Friedenau, assignors to Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Halogenated naphthazine dyes. 1,538,400; May 19.
Herzmark, Nicolas, Paris, France. Starting device for internal-combustion engines. 1,538,700; May 19.
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Machine for straightening wire. 1,538,325; May 19.
Higgins, John J., East Orange, N. J., assignor to Westinghouse Lamp Company. Shuttle feed stem head. 1,538,482; May 19.
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Lens-grinding apparatus. 1,538,811; May 19.
Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Bifocal. 1,538,812; May 19.
Hill, Harry W. (See Laabs, M. A., and Hill.)
Hill Pump Valve Company, The. (See Bosshard, John J., assignor.)
Hinderliter, Frank J., Tulsa, Okla. Joint breaker. 1,538,636; May 19.
Hines, Edward A., San Francisco, Calif. Making a fruit-cake composition. 1,538,326; May 19.
Hinson, John B., et al. (See Hopper, J. H., and Hugg, assignors.)
Hirshstein, Joseph, Cleveland, Ohio. Vent-pipe sleeve. 1,538,433; May 19.
Hitchcock Experiment Company. (See Hitchcock, Halbert K., assignor.)
Hitchcock, Halbert K., Pittsburgh, Pa., assignor of one-half to Hitchcock Experiment Company. Process and apparatus for forming sheet glass. 1,538,827; May 19.
Hjermstad, Christian O. (See Lancaster, S. C., and Hjermstad.)
Hoff, Olaf C., Brooklyn, N. Y. Sifting device. 1,538,814; May 19.
Hoffman, Alfonso, Columbus, Ohio. Automobile headlight. 1,538,114; May 19.
Holdener, Simon, Wolfshausen, Switzerland. Tooth formation of internal gears. 1,538,328; May 19.
Hollinger, Emil F. (See Kellogg, M. W., and Hollinger.)
Holloway, Harry C., Glencoe, and R. V. Dawney, Chicago, Ill. Derrick truck. 1,538,484; May 19.
Holmes, Richard M., Davenport, Iowa. Fastener. 1,538,401; May 19.
Holtom, Albert O., Pittsburgh, Pa. Convertible vehicle body. 1,538,485; May 19.
Holtzman, John, New York, N. Y. Vehicle propelling mechanism. 1,538,554; May 19.
Honigbaum, Harry H., Richmond Hill, N. Y. Retainer for strip shingles. 1,538,329; May 19.
Hopedale Manufacturing Company. (See Draper, Clare H., assignor.)
Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)
Hopkins, Samuel E., Corsicana, Tex. Cotton cleaner. 1,538,244; May 19.
Hoppe, Gerhard. (See Hersberg, W., Hoppe, and Ohlendorf.)
Hopper, John H., and E. O. Hugg, assignors of one-fourth to said Hugg, one-fourth to G. L. Minton, and one-half to J. B. Hinson, Jonesboro, Ark. Shock absorber. 1,538,188; May 19.
Horsley, Robert L., Memphis, Tenn. Bale rebander. 1,538,330; May 19.
Horton, Patrick H., and C. E. Hose, Kansas City, Mo. Air filter. 1,538,041; May 19.
Hose, Charles E. (See Horton, P. H., and Hose.)
Hoving, Fritz, assignor, by mesne assignments, to Raymond Bros. Engineering Co., Chicago, Ill. Weighing apparatus for powdered fuel. 1,538,115; May 19.
Howard, Frank H., assignor to Reading Chain and Block Corporation, Reading, Pa. Rope guide. 1,537,942; May 19.
Howard, Lemuel F., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,538,555; May 19.
Hoyt, William R., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Lock structure. 1,538,556; May 19.
Hufford, Raymond, assignor to K. P. Products Company, Inc., New York, N. Y. Governor for internal-combustion motors. 1,537,943; May 19.
Hufford, Raymond, assignor to K. P. Products Company, Inc., New York, N. Y. Governor for internal-combustion motors. 1,537,944; May 19.
Hufford, Raymond, assignor to K. P. Products Company, Inc., New York, N. Y. Governor for internal-combustion motors. 1,537,945; May 19.
Hugg, Ernest O. (See Hopper, J. H., and Hugg.)
Hulbert, Edwin F., Milwaukee, assignor to Master Package Corporation, Owen, Wis. Packing cheese. 1,538,245; May 19.
Hull, Chester A., Peru, Ind., assignor to Imperial Brass Manufacturing Company, Chicago, Ill. Steering-wheel marker. 1,538,854; May 19.
Hume, John T., assignor to Hurley Machine Company, Chicago, Ill. Vacuum cleaner. 1,537,946; May 19.
Humphrey, Effingham P., Upper Lehigh, Pa. Separator for coal and ore. 1,537,947; May 19.
Humphrey, Frederick J., H. R., and G. A., assignors to The General Gas Light Company, Kalamazoo, Mich. Refrigerating machine. 1,538,486; May 19.
Humphrey, George A. (See Humphrey, Frederick J., H. R., and G. A.)
Humphrey, Hubert R. (See Humphrey, Frederick J., H. R., and G. A.)
Hunt, Frederick S., assignor to Milwaukee Dustless Brush Company, Milwaukee, Wis. Dustless brush. 1,538,557; May 19.
Hunter, Percival N., Sawtelle, Calif. Building apparatus. 1,538,815; May 19.
Hurlburt, Edward N., assignor to Taylor Instrument Cos., Rochester, N. Y. Thermometer. 1,538,042; May 19.
Hurley, Albert. (See McKinley, A. B., and Hurley.)
Hurley Machine Company. (See Hume, John T., assignor.)
Hurxthal, Alpheus O., and H. L. Galson, assignors to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Drier. 1,538,701; May 19.
Hyman, Solomon, Boston, Mass. Ring. Des. 67,343; May 19.
Ilean, Emil A., Queens, assignor, by mesne assignments, to American Schaeffer & Budenberg Corporation, Brooklyn, N. Y. Regulating valve. 1,538,558; May 19.
Imperial Brass Manufacturing Company, The. (See Hull, Chester A., assignor.)
Imperial Brass Manufacturing Company. (See Dorsey, P., and McIntosh, assignors.)
Independent Pneumatic Tool Company. (See Levedahl, Axel, assignor.)
Ingersoll Milling Machine Company, The (See Johnson, John R., assignor.)
International Silver Company. (See Beck, Ernest T., assignor.)
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Heating furnace. 1,538,116; May 19.
Ives, Frederic E., Philadelphia, Pa. Color photograph or film and producing same. 1,538,816; May 19.
Jackson, Mark H. (See Smyers, B. H., jr., and Jackson.)

Jackson, Ralph M., La Habra, Calif. Fumigating applicator. 1,538,855; May 19.
Jahn, Albert, Berlin, Germany. Holder for writing implements and the like. 1,538,878; May 19.
James, Alfred M., Dunedin, New Zealand. Skylight. 1,538,817; May 19.
James Manufacturing Company. (See Markey, George T., assignor.)
James Manufacturing Company. (See Olson, John B., assignor.)
Jenkins, Howard M., Steubenville, Ohio. Machine for forming spherical bodies. Re16,077; May 19.
Jessen, Hans H., Windsor, and E. P. Marceau, East Hartford, Conn. Machine for applying powder to printed matter. 1,538,637; May 19.
Jett, Charles H., Greenville, Ill. Combined open-book holder and mark. 1,538,331; May 19.
Johnson, Arthur S. (See Davis, H. A., and Johnson.)
Johnson, Ben, assignor of two-thirds to V. C. Smith and one-third to W. W. Wall, New Orleans, La. Incubator. 1,538,285; May 19.
Johnson, Edward. (See Meinecke, C. W., and Johnson.)
Johnson, Edward A., New Glasgow, Nova Scotia, Canada. Lock washer. 1,538,559; May 19.
Johnson, John A. Pittsburg, Kans. Ratchet crank. 1,538,702; May 19.
Johnson, John R., assignor to The Ingersoll Milling Machine Company, Rockford, Ill. Drum-type milling machine. 1,538,117; May 19.
Johnston, George, Manchester, England. Crushing roll. 1,538,708; May 19.
Johnston, John F., and G. W. Bulley, assignors to The Miller Rubber Company, Akron, Ohio. Battery box. 1,538,818; May 19.
Jones, Bert D. (See Slaughter, H. C., and Jones.)
Jones, Frank H., Cassopolis, Mich. Clover and alfalfa huller machine. 1,538,402; May 19.
Jones, John W. (See Lyman, J. C., and Jones.)
Jones, S. M., Company, The. (See Dale, Dudley R., assignor.)
Joyce, James D., Philadelphia, Pa. Winding machine. 1,538,043; May 19.
K. P. Products Company. (See Knauss, Edward, assignor.)
K. P. Products Company. (See Hufford, Raymond, assignor.)
Kalamazoo Lobse Leaf Binder Co. (See Wigginton, George P., assignor.)
Kalberer, George J., Hamilton, Ohio. Rod-feeding chuck for automatic screw machines. 1,538,638; May 19.
Kaplan, Louis, New York, N. Y. Rubber heel. 1,538,332; May 19.
Kasnicka, Joseph F., and G. B. Efantis, Cicero, Ill.; said Efantis assignor to said Kasnicka. Dispenser for cleaning and other fluids. 1,538,485; May 19.
Katzin, Jacob S., Newark, N. J., assignor of one-half to G. Kleinman, Brooklyn, N. Y. Valve. 1,537,945; May 19.
Kavanagh, Patrick, Milford, assignor to Draper Corporation, Hopedale, Mass. Automatically-threading loom shuttle. 1,538,639; May 19.
Kay, Ansel R., Davenport, Iowa. Bouncing toy. 1,538,704; May 19.
Kay, James R., South Lawrence, Mass. Clasp for watch bracelets. 1,538,819; May 19.
Keller Printing Company. (See Stamatson, Thomas K., assignor.)
Kellogg, M. W., Company, The. (See Kellogg, M. W., and Hollinger, assignors.)
Kellogg, Morris W., Brookville, N. Y., and E. F. Hollinger, Jersey City, N. J., assignors to The M. W. Kellogg Company. Apparatus for making seamless tubes. 1,538,118; May 19.
Kelly, Charles A., Hinsdale, N. H. Brushing device. 1,538,820; May 19.
Kemper, William J., Covington, Ky. Door-controlling means. 1,538,044; May 19.
Kennedy, Clyde J., and C. H. Prince, Newkirk; said Prince assignor of his entire right to C. R. Edmondson, Osage County, Okla. Belt clamp. 1,538,705; May 19.
Kennedy, Thomas F., Boston, Mass. Tie. 1,538,821; May 19.
Kennedy, William M., Washington, D. C. Golf apparatus. 1,538,822; May 19.
Kern, Conrad J. (See Buehler, J. B., and Kern.)
Kerr, Harry E. (See Erdey, J. E., and Kerr.)
Kerst, Edgar B., Providence, R. I., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Warp drier. 1,538,863; May 19.
Kilcher, Jacob, Mount Pleasant, Iowa. Swing. 1,538,189; May 19.
Killion, Joseph L., Minneapolis, Minn. Storm-sash operator and latch. 1,538,823; May 19.
Kimball, James L., assignor to Ruggles-Klingemann Mfg. Co., Salem, Mass. Apparatus for automatic speed control of electric motors. 1,538,824; May 19.
King, Clifford G., Providence, R. I. Brooch. 1,538,110; May 19.
King, John J., Boston, Mass. Feed-water heating and delivering apparatus. 1,538,045; May 19.
King, William A., Seattle, Wash. Windshield. 1,538,383; May 19.
Kingsbury, Edwin F., Rutherford, N. J., assignor to Western Electric Company, New York, N. Y. Metallic composition. 1,538,246; May 19.
Kirschbraun, Lester, Evanston, Ill. Waterproof products. 1,537,949; May 19.
Kirschbraun, Lester, Evanston, Ill. Waterproof covering and making same. 1,537,950; May 19.
Kirwin, John J., assignor to Reece Shoe Machinery Company, Boston, Mass. Clutch-controlling-device for presses and the like. 1,538,046; May 19.
Kitsner, Herman, Elizabeth, N. J. Piston and piston ring. 1,538,120; May 19.
Kleinman, Gisella. (See Katzin, Jacob S., assignor.)
Klinker, Herman H. D., New York, N. Y. Window-glass attachment. 1,538,560; May 19.
Knapp, Edgar. (See Allgrunn, C. G., and Knapp.)
Knauss, Edward, Mount Vernon, assignor, by mesne assignments, to K. P. Products Company, Inc., New York, N. Y. Carburetor. 1,538,856; May 19.
Knight, John, Limited. (See Cramp, Richard, assignor.)
Koch, Albert, Ithaca, N. Y. Metal-extracting machine. 1,538,334; May 19.
Koch, Lydia B. (See Oliver, William E., assignor.)
Koehler, Anthony J., Chicago, Ill. Washing glasses. 1,538,335; May 19.
Kohler Company. (See Randall, Raymond W., assignor.)
Kohlmeyer, August H., Detroit, Mich. Water heater and steam generator. 1,538,486; May 19.
Kokomo Automative Mfg. Co. (See Albright, Neil T., assignor.)
Kolb, George F., Fairfield, assignor to The Bullard Machine Tool Co., Bridgeport, Conn. Bumper for motor vehicles. 1,538,190; May 19.
Kolier, Josef, Lucerne, Switzerland. Practice cartridge. 1,538,561; May 19.
Kooiman, Aris, The Hague, Netherlands. Apparatus for determining the data for the laying of guns indirectly. 1,538,825; May 19.
Kops Bros. Inc. (See Kops, Max, assignor.)
Kops, Max, Riverdale, N. Y., assignor to Kops Bros. Inc. Elastic webbing. 1,538,826; May 19.
Kerach, Louis L., Chicago, Ill. Mechanism for cleaning windshields for automobiles or similar devices. 1,538,951; May 19.
Kosek, John V. (See Fine, Robert, assignor.)
Koshalko, Charles, Cleveland, Ohio. Air-operated toy. 1,538,562; May 19.
Kratt, William, New Brunswick, N. J. Pitch pipe. 1,538,336; May 19.
Krause, Edmund, Hennigsdorf, near Berlin, Germany. Protecting device for the cooling cylinders of the electrodes of furnaces heated by arcs. 1,538,286; May 19.
Krause, George H., Zanesville, Ohio. Packing jar. 1,538,706 May 19.
Krause, Henry F., Schulenburg, Tex. Animal trap. 1,538,707; May 19.
Krell, Joseph. Berlin-Pankow, Germany. Addressing-machine printing plate. 1,538,403; May 19.
Krick, Homer, assignor of one-half to W. H. Scherer, Fort Wayne, Ind. Mail box. 1,538,871; May 19.
Kridler, Bernie C., and J. C. Boyle, assignor to The Shingle Lock Company, Flint, Mich. Shingle-lock clip. 1,537,952; May 19.
Kriegsheim, Heinrich, New York, and W. Vaughan, Brooklyn, assignors to The Permutit Company, New York, N. Y. Treatin glauconite. 1,538,247; May 19.
Kristianssands Nikkelraffineringsverke. (See Giertsen, Sigurd, assignor.)
Kritchevsky, Wolf, and H. C. Prutsman, assignors to W. Citron, trustee, Chicago, Ill. Deodorizing kerosene. 1,538,287; May 19.
Krusi, Max B., New York, N. Y. Adherent missile. 1,538,640; May 19.
Kuehn, Leroy S., Cleveland, Ohio, assignor, by mesne assignments, to Ludlum Steel Co., Watervliet, N. Y. Alloy. 1,538,337; May 19.
Kuehn, Paul O., South Bend, Ind. Store front. 1,538,288; May 19.
Kumler, Roy W., Detroit, Mich. Hinged connection. 1,538,121; May 19.
Kurtz, John C., and J. J. McCabe, assignors to Bausch & Lomb Optical Company, Rochester, N. Y. Weighing and sorting machine. 1,538,122; May 19.
Laabs, Max A., and H. W. Hill, assignors to American Optical Company, Southbridge, Mass. Bifocal lens. 1,538,813; May 19.
Laffey, J. P., trustee. (See Moxham, Arthur J., assignor.)
La France, Richard, assignor to The Owens Bottle Company, Toledo, Ohio. Transferring ware to leers. 1,538,248; May 19.
La Hodny, William, assignor to Otto Glass & Mirror Company, Buffalo, N. Y. Mounting for mirrors and the like. 1,538,338; May 19.
La Hodny, William, Buffalo, N. Y. Windshield-mirror bracket. 1,538,339; May 19.
La Hodny, William, Buffalo, N. Y. Windshield-mirror bracket. 1,538,340; May 19.
Laird, Frank J., Butte, Mont. Valve. 1,538,404; May 19.
Lake Erie Trust Company, The. (See Goss, Harold J., assignor.)

Lamblin, Alexandre, Paris, France. Radiator. 1,538,827; May 19.
Lammermann, Georg, Nuremberg, Germany. Carrousel swing. 1,538,828; May 19.
Lamping, Mathild K., Chicago, Ill. Combination undergarment. 1,538,123; May 19.
Lamson Company, The. (See Maclaren, James G., assignor.)
Lancaster, Samuel C., and C. O. Hjermstad, Portland, Oreg., assignors to Autowhirl Corporation, Chicago, Ill. Garage or storage building. 1,538,841; May 19.
Land, Frank S., assignor to Grand Council Order of De Molay for Boys, Kansas City, Mo. Badge. Des. 67,344; May 19.
Lando, Milton E., Oakland, assignor of one-half to H. M. Marsh, Los Angeles, Calif. Corneal illuminator. 1,538,191; May 19.
Lane Manufacturing Company. (See Canning, James, assignor.)
Lange, Andrew, Braddock, Pa. Hasp lock. 1,538,708; May 19.
Larsen, Andrew C., Minneapolis, Minn. Vehicle work rack. 1,538,437; May 19.
Larson, Peter N., Stockton, Calif. Weed puller. 1,538,829; May 19.
Lasky, Andrew, Scranton, Pa. Spring shade holder. 1,538,830; May 19.
Lapworth, William J., Pittsburg, Kans. Stoker-valve-operating mechanism. 1,538,709; May 19.
Larson, Christian, Santa Rosa, Fla. Crate-top-holding means. 1,538,124; May 19.
Larter, Thomas C., Los Angeles, Calif. Check book. 1,538,289; May 19.
Lawrence, John D., and S. W. Nicholson, assignors to The Dura Company, Toledo, Ohio. Forming sheet-metal handles. 1,538,438; May 19.
Lawrence, John D., and S. W. Nicholson, assignors to The Dura Company, Toledo, Ohio. Vehicle window construction. 1,538,439; May 19.
Leach, Vernon G., Chicago, Ill. Apparatus for conditioning crushed material. 1,538,192; May 19.
Le Blanc, Jules A., Port Arthur, Tex. Packing ring. 1,538,290; May 19.
Lee, Walker D. (See Straehle, F. W., and Lee.)
Leinert, Charles H., assignor to Leinert Valve Company, Chicago, Ill. Valve. 1,538,563; May 19.
Leinert Valve Company. (See Leinert, Charles H., assignor.)
Leland Lock Company. (See Stanley, Theodore D., assignor.)
Lengel, Irvin D., Reading, Pa., assignor, by mesne assignments, to Safety Air Brake Company. Fluid or safety gas brake for automobiles. 1,538,193; May 19.
Lenk, Gus F., assignor to Superior Incinerator Company of Texas, Dallas, Tex. Charging-hole closure for incinerators. 1,538,291; May 19.
Leon, Karl O., Stockholm, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Ball cage for antifriction thrust bearings. 1,538,564; May 19.
Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Pneumatic tool. 1,538,194; May 19.
Levedahl, Axel, Aurora, assignor to Independent Pneumatic Tool Company, Chicago, Ill. Screw-driving bit. 1,538,195; May 19.
Lewis, Lloyd V., Edgewood, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,538,047; May 19.
Lewison, Lewis, Hamilton, Ontario, Canada, assignor to The Cone Company of America, New York, N. Y. Trimming device for ice-cream-cone-making machines. 1,537,993; May 19.
Libbey-Owens Sheet Glass Company, The. (See Conklin, Harry S., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Reece, Joseph A., assignor.)
Libbey-Owens Sheet Glass Company, The. (See Weaver, James P., assignor.)
Library Bureau. (See Ohnstrand, Enoch, assignor.)
Light, Arthur H., Oakland, Calif. Heater. 1,538,857; May 19.
Liljeqvist, John, New York, N. Y. Pencil attachment. 1,538,641; May 19.
Lindsay, Lycurgus, Los Angeles, Calif. Dust eradicator for moving vehicles or buildings. 1,538,292; May 19.
Lindsay, William G., Newark, N. J. Pyroxylin composition. 1,538,861; May 19.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Fabric and making same. 1,538,858; May 19.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Cellulose composition and process. 1,538,859; May 19.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Composition. 1,538,860; May 19.
Lindsay, William G., Newark, N. J., assignor to The Celluloid Company. Cellulose composition. 1,538,862; May 19.
Littell, F. J., Machine Co. (See Littell, F. J., and Thode, assignors.)
Littell, Frederick J., and W. N. Thode, assignors to F. J. Littell Machine Co., Chicago, Ill. Stock-controlled feed for presses. 1,538,440; May 19.
Livingston, Alan V., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Construction for dynamo-electric machines. 1,538,196; May 19.
Löken, Anders, Boltorp, Mysen, Norway. Power-driven ditch-digging machine. 1,538,565; May 19.
Long, John E., Havelock, Nebr. Winding device. 1,538,125; May 19.
Long, Maurice B., Glen Ridge, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Multiplex signaling system. 1,538,048; May 19.
Long, Wallace W., Detroit, Mich. Game. 1,538,833; May 19.
Long, William F., Grand Haven, Mich. Fruit-jar wrench. 1,538,642; May 19.
Loomis, Virgil, assignor to United States Glass Company, Pittsburgh, Pa. Goblet. Des. 67,345; May 19.
Lorenz, John P., St. Paul, Minn. Tappet valve. 1,538,126; May 19.
Lorenz, William A., Hartford, Conn. Paper hinge. 1,538,249; May 19.
Love, Richard R., Salt Lake City, Utah. Spring suspension for vehicles. 1,538,405; May 19.
Love, William J., jr., Piqua, Ohio. Calculating monetary value of elapsed time. 1,538,250; May 19.
Loyeau, Pedro B., Buenos Aires, Argentina. Reenforced-concrete beam. 1,538,293; May 19.
Lucas, George P., Jersey City, N. J. Centrifugal hammer. 1,538,831; May 19.
Lucas, Walter F., Brooklyn, N. Y. Coil-vibrator filing gauge. 1,538,710; May 19.
Luce, Charles E., Stuttgart, Germany. Method and apparatus for effecting gold or tin dental stoppings. 1,538,832; May 19.
Lucich, Petar J., New York, N. Y. Cable saw for trees. 1,537,953; May 19.
Ludlum Steel Co. (See Kuehn, Leroy S., assignor.)
Ludlum Steel Co. (See Smith, William H., assignor.)
Luff, Henry J., assignor, by mesne assignments, to M. A. Luff, Cleveland, Ohio. Resealing trap. 1,537,954; May 19.
Luff, Henry J., assignor, by mesne assignments, to M. A. Luff, Cleveland, Ohio. Resealing trap. 1,537,955; May 19.
Luff, Mary A. (See Luff, Henry J., assignor.)
Lumiere, Louis, assignor to Societe Anonyme "Union Photographique Industrielle, Etablissements Lumiere & Jougla Reunis," Lyon, France. Nitrating regenerated cellulose films or paper. 1,538,294; May 19.
Lundell, Alvin O., assignor to The Allbright-Nell Co., Chicago, Ill. Viscera and head inspection table. Re16,079; May 19.
Lundgaard, Ivar, assignor to Ratiometer Corporation, Rochester, N. Y. Fluid-proportioning apparatus. 1,538,643; May 19.
Lustig, Joseph, jr., Janesville, Wis. Toy. 1,538,566; May 19.
Lyman, John C., and J. W. Jones, Salt Lake City, Utah. Self-opening cap. 1,538,295; May 19.
Lyon, Allen A., Belvidere, Ill. Stone statuary and constructing same. 1,538,711; May 19.
Mack, Edwin Z., Marshalltown, Iowa. Automatic air valve for hot-water radiation. 1,538,049; May 19.
MacKinnon, Margaret D., Lincoln, Nebr., assignor to Marshall Field & Company, Chicago, Ill. Combination child's suit. Des. 67,346; May 19.
Maclaren, James G., assignor to The Lamson Company, Syracuse, N. Y. Power-control device for pneumatic-dispatch systems. 1,538,128; May 19.
Madden, Harry D., Newark, N. J., assignor to Westinghouse Lamp Company. Compression stop. 1,538,441; May 19.
Malon, Katheryne P., et al. (See Berrigan, John J., assignor.)
Manchester, John S., St. Louis, Mo. Combined adjustable reading desk and lamp. 1,538,198; May 19.
Mann, Jacob A., Detroit, Mich., assignor to M. J. Mann. Feed collet. 1,538,442; May 19.
Mann, John A., Lockport, N. Y. Direction indicator. 1,538,715; May 19.
Mann, Margaret J. (See Mann, Jacob A., assignor.)
Manofsky, John, assignor to Youngstown Pressed Steel Company, Warren, Ohio. Feeding device. 1,538,569; May 19.
Marceau, Ector F. (See Jessen, H. H., and Marceau.)
Marchetti, Paul J. (See Nordwich, H. A., and Marchetti.)
Mark, James A., Madison, Kans. Portable lock. 1,538,050; May 19.
Markey, George T., assignor to James Manufacturing Company, Fort Atkinson, Wis. Ventilating mechanism. 1,538,645; May 19.
Marsh, Henry M. (See Lando, Milton E., assignor.)
Marshall Field & Company. (See MacKinnon, Margaret D., assignor.)
Marshall, William F., New York, N. Y. Tool holder. 1,537,957; May 19.
Marshall, William F., New York, N. Y. Vise. 1,537,958; May 19.
Martin, G. Fred, et al. (See Smith, Blanchard D., assignor.)

Martin, William L., Stamford, Tex. Air compressor. 1,538,716; May 19.
Martinez, Enrique, Gettysburg, Pa. Supporting bracket. 1,538,252; May 19.
Marx, Louis. (See Arden, T. Raymond, assignor.)
Marymont, Max J., Brooklyn, N. Y. Pocketbook or hand bag. 1,538,518; May 19.
Mason, Besse O., East Orange, N. J., assignor to James McCreery & Company, New York, N. Y. Hat. Des. 67,347; May 19.
Master Package Corporation. (See Hulbert, Edwin F., assignor.)
Masters, Theodore C., New York, N. Y. Battery terminal. 1,538,129; May 19.
Mathias, Edward E., et al. (See Armistead, C. L., and Bates, assignors.)
Mats, John J., Ketchikan, Alaska. Sump net. 1,538,253; May 19.
Mauborgne, Joseph O. (See Cohen, L., and Mauborgne.)
Maxwell, Ethel G., Wheeling, W. Va. Making paper dishes. 1,538,199; May 19.
Mayoza, Nathan R., Memphis, Tenn. Automobile signal. Des. 67,348; May 19.
Maytag Company, The. (See Snyder, Howard F., assignor.)
McCabe, Joseph J. (See Kurtz, J. C., and McCabe.)
McCabe, Thomas, Yorkville, Ohio. Plate-lifting mechanism for rolling mills. 1,538,251; May 19.
McCarrel, Arthur H., Washington, D. C. Collar. 1,538,834; May 19.
McCarrel, Arthur H., Washington, D. C. Loom. 1,538,835; May 19.
McCarrel, Arthur H., Washington, D. C. Woven fabric. 1,538,836; May 19.
McCarty, Chalmer D., and J. W. Driggs, Santa Paula, Calif. Well-fishing tool. 1,538,406; May 19.
McClatchie, Stanley, Cambridge, Mass., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,538,197; May 19.
McCormick, Charles E., Princeton, Ind. Mailing device. 1,538,712; May 19.
McCoy, Wilbert B., et al. (See Straehle, F. W., and Lee, assignors.)
McCreery, James, & Compnay. (See Mason, Besse O., assignor.)
McDonald, David D., Ontario, Calif. Automobile comfort station. 1,538,296; May 19.
McElliott, Joseph, assignor of one-half to M. J. Deleney, Detroit, Mich. Light deflector. 1,538,644; May 19.
McGeorge, Leonard M., Richmond, Va. Spring device. 1,537,994; May 19.
McGill Manufacturing Company. (See Despard, Victor E., assignor.)
McIntosh, Robert D. (See Dorsey, P., and McIntosh.)
McIntyre, Edward W., Cleveland, assignor to H. F. Freeman, Lakewood, Ohio. Lamp socket. 1,538,567; May 19.
McKechnie, James, Barrow-in-Furness, assignor to Vickers Limited, Westminster, London, England. Reciprocating engine. 1,538,342; May 19.
McKinley, Andrew B., and A. Hurley, assignors to Continental Car Company of America, Louisville, Ky. Dump truck. 1,538,127; May 19.
McMahon, Ellen, New York, N. Y. Combined clasp and pin. 1,538,568; May 19.
McMeans, William, Scranton, Pa. Tie holder and collar fastener. 1,538,713; May 19.
McNally, John E., Minneapolis, Minn., assignor, by mesne assignments, to G. S. Meyers, Cleveland, Ohio. Combined folding bag, brief case, and purse. 1,537,956; May 19.
McNaughton, Allan F., Toronto, Ontario, Canada. Centrifugal washing machine. 1,537,995; May 19.
McNerny, Clyde J., San Francisco, Calif. Four-wheel-brake mechanism. 1,538,714; May 19.
Mead, George B., assignor of one-fourth to J. Griffin, San Francisco, Calif. Gun. 1,538,717; May 19.
Meadows, Charles B., Houston, Tex. Superheater for oil burners. 1,538,343; May 19.
Mehlem, Emma B., Chicago, Ill. Crochet pattern. 1,538,718; May 19.
Meinecke, Christian W., and E. Johnson, East Orange, N. J., assignors to Meinecke & Company, New York, N. Y. Thermometer holder. 1,538,571; May 19.
Meinecke & Company. (See Meinecke, C. W., and Johnson, assignor.)
Meirowsky, Oskar, Palisade, N. J. Electrical condenser. 1,538,487; May 19.
Mellott, Howard S., Morenci, Mich., assignor to By-Products Recovery Company, Toledo, Ohio. Evaporating apparatus. 1,538,254; May 19.
Melton, Clemson A., Kansas City, Mo. Building block. 1,538,200; May 19.
Menasha Printing & Carton Co. (See Gaylord, George S., assignor.)
Menchaca, Theodoro E., Galveston, Tex. Weed exterminator. 1,538,719; May 19.
Mercer, William H., Portland, Oreg. Combined bat and ball. 1,538,720; May 19.
Merdian, Fred, Vancouver, Wash. Transmission-clutch-disk-drum puller. 1,538,721; May 19.
Merenna, John S. (See Spinner, A., and Merenna.)
Merrick, Mary E., Milford, Ind. Ironing-board cover. 1,538,722; May 19.
Meyer, Frederick, Buffalo, N. Y. Refrigerating tank. 1,538,130; May 19.
Meyer, William C., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Channel-flap-laying machine. 1,537,996; May 19.
Meyers, George S. (See McNally, John E., assignor.)
Michel, Clarence A., assignor to The Guide Motor Lamp Manufacturing Company, Cleveland, Ohio. Focusing device for automobile lamps. 1,538,407; May 19.
Miller, Alten S., Baltimore, Md. Time fuse. 1,538,131; May 19.
Miller, Charles H., Huntington, Ind. Coal-oil burner. 1,538,723; May 19.
Miller, Ellsworth S., Philadelphia, Pa. Variable condenser. 1,538,344; May 19.
Miller, John E., Sr. (See Taylor, Owen and C. C., assignors.)
Miller, Richard R., Chicago, Ill. Signal-operating attachment for automobiles. 1,538,572; May 19.
Miller Rubber Company, The. (See Johnston, J. F., and Bulley, assignors.)
Miller Saw-Trimmer Company. (See Hale, Jackson T., assignor.)
Milliken, John R. (See Thackeray, F. W., and Milliken.)
Mills, Henry H., Maynard, Minn. Surfacing attachment for cultivators. 1,538,724; May 19.
Milner, Wilfred R., assignor to General Motors Corporation, Detroit, Mich. Curtain-stretcher rod. 1,538,872; May 19.
Milwaukee Dustless Brush Company. (See Hunt, Frederick S., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minney, David F., assignor to Globe Elevator Appliance Company, Fort Worth, Tex. Adjustable end thrust for elevator shafts. 1,538,573; May 19.
Minnier, Blythe J., Watertown, N. Y., assignor to The New York Air Brake Company. Piston. 1,538,132; May 19.
Minor, Burt S., Los Angeles, assignor to Regan Forge & Engineering Company, San Pedro, Calif. Balancing device for sheave blocks. 1,538,051; May 19.
Minton, George L., et al. (See Hopper, J. H., and Hugg, assignors.)
Mitchell, Louie T., Licking, Mo. Safety starting crank. 1,538,725; May 19.
Mitchell, William L., Grossepointe Farms, Mich. Protecting shield for use in shipping automobiles. 1,538,297; May 19.
Mittasch, Alwin, and F. Winkler, assignors, by mesne assignments, to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Extraction of sulphur. 1,538,574; May 19.
Miyaguchi, Takeo, Tokyo-fu, Japan. Making iron and steel. 1,537,997; May 19.
Mohr, Cecelia, Chamberlain, S. Dak. Crayon holder. 1,537,998; May 19.
Moisio, Viktor. (See Olander, F., and Moisio.)
Monie, James D., Scranton, Pa. Rat trap. 1,538,201; May 19.
Moore, James L., assignor to The Moore Steam Turbine Corporation, Wellsville, N. Y. Turbine bleeder valve. 1,538,255; May 19.
Moore Steam Turbine Corporation, The. (See Moore, James L., assignor.)
Moore, William J. P., New York, N. Y. Inner arch for pneumatic tires. 1,538,202; May 19.
Moore, Zephaniah J., and H. C. Smith, Waco, Tex. Cotton gin. 1,538,345; May 19.
Moran, Charles B., Horse Cave, Ky. Football apparatus. 1,538,203; May 19.
Moran, Edward A., Everett, Wash. Door-retaining spring. 1,538,726; May 19.
Morgan Construction Company. (See Isley, George H., assignor.)
Morgan, George J. and R. M., Cefn Coed, near Merthyr Tydvil, Wales. Device for the removal of internal-combustion-engine valve. 1,538,727; May 19.
Morgan, Richard M., (See Morgan, George J., and R. M.)
Morine, Edwin C., Detroit, assignor to Weatherproof Body Corporation, Corunna, Mich. Truck cab. 1,537,959; May 19.
Morrison, Harry S., Auburn, R. I. Toasting machine. 1,538,804; May 19.
Morrison, Simon, Brooklyn, N. Y. Vanity case. 1,538,133; May 19.
Morse, Fred. (See Hahn, S. H., and Morse.)
Mosman, Eula A., Allegany, N. Y. Griddle greaser. 1,538,575; May 19.
Motor Products Corporation (1923). (See Murray, William B., assignor.)
Moxham, Arthur J., Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Manufacture of aluminum sulphate. 1,538,837; May 19.
Moxham, Arthur J., Great Neck, N. Y., assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Chemically,prepared iron-bearing material. 1,538,838; May 19.
Moxham, Arthur J., Odessa, assignor, by mesne assignments, to J. P. Laffey, trustee, Wilmington, Del. Production of aluminum hydroxide. 1,538,839; May 19.

Moxham, Arthur J., Odessa, Del., assignor to Electro Company. Chemically,prepared iron-bearing material. 1,538,840; May 19.
Mueller, Adolph, trustee. (See Mueller, Oscar B., assignor.)
Mueller, Charles H., Milwaukee, Wis. Trailer. 1,538,052; May 19.
Mueller, Oscar B., Port Huron, Mich., assignor to A. Mueller, trustee, Decatur, Ill. Valve member and forming same. 1,538,346; May 19.
Mueller, Rudolph, Chicago, Ill. Apparatus for carbonating liquids. 1,538,204; May 19.
Muhleisen, Henry W., assignor to W. S. Rush & Co., Los Angeles, Calif. Timer. 1,538,869; May 19.
Muir, Charles S., Chevy Chase, Md. Game. 1,538,184; May 19.
Muller, Bettie A., Tacoma, Wash. Holder. 1,538,728; May 19.
Mulvihill, Daniel C., Hannibal, Mo., assignor to Hannibal Car Wheel & Foundry Company. Foundry apparatus. 1,538,576; May 19.
Munday, Richard B., assignor to The Dayton Friction Toy Company, Dayton, Ohio. Friction toy. 1,538,205; May 19.
Münzinger, Friedrich, assignor to the Firm Allgemeine Elektricitäts-Gesellschaft, Berlin, Germany. Fuel economizer. 1,538,256; May 19.
Murphy, John. (See Thomas, William R., assignor.)
Murray, Richard, New York, N. Y. Catch hinge for windows and the like. 1,538,577; May 19.
Murray, Richard, New York, N. Y. Concrete mold. 1,538,578; May 19.
Murray, William B., assignor to Motor Products Corporation (1923), Ann Arbor, Mich. Windshield. 1,538,448; May 19.
Musser, Robert B., Seattle, Wash. Refrigerating device. 1,538,206; May 19.
Nasmith, John W., Manchester, England. Apparatus for folding of carton blanks. 1,538,298; May 19.
Nasmith, John W., Manchester, England. Folding of carton blanks. 1,538,299; May 19.
National Aniline & Chemical Company. (See Young, John, assignor.)
National Paper Can Company, The. (See Brooks, Lewis C., assignor.)
Neher, John S., North Manchester, Ind. Silo cover. 1,538,579; May 19.
Nelson, Adolf, Hugo, Colo. Lubricator for air drills. 1,538,646; May 19.
Nelson, Albert B., Beresford, S. Dak. Battery-charging transformer. 1,537,999; May 19.
Nemec, George W. (See Zeman, A., and Nemec.)
Neubauer, Carl E., Lutsen, Minn. Rail joint. 1,538,000; May 19.
Neubeck, William F., Brooklyn, N. Y. Casing for signal light. Des. 67,349; May 19.
Neville, John J., et al. (See Connard, Louis, assignor.)
New Haven Clock Co. (See Whitehead, Richard H., assignor.)
New Idea Spreader Co., The. (See Synck, Henry, assignor.)
Newquist, Harvey R., San Diego, Calif. Combination lock-washer tool and socket wrench. 1,538,347; May 19.
Newsbaum, Frank J., Detroit, Mich. Amusement device. 1,538,647; May 19.
New York Air Brake Company, The. (See Minnier, Blythe J., assignor.)
Niagara Sprayer Co. (See Allgrunn, C. G., and Knapp, assignors.)
Nicholson, Stanley W. (See Lawrence, J. D., and Nicholson.)
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,538,444; May 19.
Nicholson, Stanley W., assignor to The Dura Company, Toledo, Ohio. Window-control mechanism. 1,538,445; May 19.
Niedecken, Edward F., Milwaukee, Wis. Valve. 1,538,207; May 19.
Niemeyer, Henry C., Chicago, Ill. Vegetable harvester. 1,538,446; May 19.
Niles-Bement-Pond Company. (See Wildhaber, Ernest, assignor.)
Nineteen Hundred Washer Company, The. (See Behan, T. W., and Doughty, assignors.)
Nitsch, Charles H., Logan, and T. A. Federwitz, Nicetown, assignors to Stokes & Smith Company, Philadelphia, Pa. Conveying machine. 1,538,135; May 19.
Noble, Paul A., Providence, R. I. Spring shackle. 1,538,648; May 19.
Norden, Mortimer, New York, N. Y. Illuminated sign. 1,538,348; May 19.
Nordwick, Henry A., and P. J. Marchetti, Stockton, Calif. Internal-combustion motor. 1,538,208; May 19.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Stop motion for looms. 1,538,053; May 19.
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Beam lock for looms. 1,538,729; May 19.
Nya Nordiska Kullager Aktiebolaget. (See Leon, Karl O., assignor.)
Nye, Henry V., West Allis, assignor to Allis-Chalmers Manufacturing Company, Milwaukee, Wis. Motor-control system. 1,538,209; May 19.
Oates, William J., Griffin, Ga. Variable-speed mechanism. 1,538,349; May 19.
Obersohn, Albert, Berlin-Charlottenburg, W. Wachtel, Berlin, D. Sakom, Wiesbaden, and P. Askenasy, Karlsruhe, Germany. Device for converting liquids into uniform drops. 1,538,730; May 19.
Obrecht, Norbert L., Mount Clemens, Mich. Buffer for automobiles. 7,538,257; May 19.
O'Brien, William B., Chicago, Ill. Spark plug. 1,538,580; May 19.
O'Connor, Charles. (See Harvey, F. G., and O'Connor.)
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Door and fastener therefor. 1,538,581; May 19.
Oden, Henry C., Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Teat cup for milking machines. 1,538,731; May 19.
Oden, Henry C., Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Milking machine. 1,538,732; May 19.
Oden, Henry C., Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Milking machine. 1,538,733; May 19.
Oden, Henry C., Columbus, Ohio, assignor, by mesne assignments, to Pine Tree Milking Machine Company. Milking-machine apparatus. 1,538,734; May 19.
Oden, Henry C., Syracuse, N. Y., assignor, by mesne assignments, to Pine Tree Milking Machine Company. Milking machine. 1,538,735; May 19.
Oden, Henry C., Columbus, Ohio, assignor to Pine Tree Milking Machine Company, Chicago, Ill. Milking machine. 1,538,736; May 19.
Offenhauser, Christopher, Philadelphia, Pa. Apparatus for cooking and pressing. 1,538,210; May 19.
O'Flynn, Patrick, Firbright, England. Shock-absorbing device. 1,538,737; May 19.
Ohlendorf, Heinrich. (See Hersberg, W., Hoppe, and Ohlendorf.)
Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Truck. 1,538,054; May 19.
Olander, Fritjof, and V. Moisio, Aanekoski, Finland. Manufacture of paper. 1,538,582; May 19.
Oldham, Arthur S., Miami, Okla. Food warmer. 1,538,738; May 19.
Olin, John M., assignor, by mesne assignments, to Western Cartridge Company, East Alton, Ill. Battery cup. Re16,078; May 19.
Oliver, William E., Detroit, Mich., assignor of one-half to L. B. Koch, New York, N. Y. Hardening and preserving composition for paper and other fabrics and manufacturing same. 1,537,960; May 19.
Olsen, Arnt, New York, N. Y. Combined pencil, pen, and flashlight. 1,538,055; May 19.
Olson, John B., assignor to James Manufacturing Company, Fort Atkinson, Wis. Gate latch. 1,538,056; May 19.
O'Neill Engineering Company, The. (See O'Neill, Frank, assignor.)
O'Neill, Frank, Toledo, Ohio. Glass-feeding apparatus. 1,537,961; May 19.
O'Neill, Frank, assignor to The O'Neill Engineering Company, Toledo, Ohio. Plunger gathering of glass. 1,537,962; May 19.
O'Neill, Frank, Toledo, Ohio. Take-off mechanism. 1,537,963; May 19.
Oppenheimer, Zacharias S., New York, N. Y. Box member and blank therefor. 1,538,649; May 19.
Osborn, Walter C. (See Trench, H. G., and Osborn.)
Otis Elevator Company. (See Waters, Harold, assignor.)
Otto Glass & Mirror Company. (See La Hodny, William, assignor.)
Owen, Clarence R. (See Thrasher, C. A., and Owen.)
Owen, Francis E., Thistle, Utah. Grease-cup-cover holder. 1,538,583; May 19.
Owen, Henry F., Maricopa, Calif. Dehydrating oil. 1,538,739; May 19.
Owen, Raymond V., assignor to St. Louis Brass Manufacturing Company, St. Louis, Mo. Electric attachment plug. 1,538,057; May 19.
Owen, Robert J., and H. D. Rindsberg, assignors to H. J. Hater, Cincinnati, Ohio. Mold. 1,538,584; May 19.
Owens Bottle Company, The. (See La France, Richard, assignor.)
Paige, Arthur E., Philadelphia, Pa. Centrifugal casting mechanism. 1,538,585; May 19.
Paridon, Michael, Barberton, Ohio, assignor to The Diamond Match Company, Chicago, Ill. Match machine. 1,538,586; May 19.
Parrett, Henry B. (See Comerford, M. P., and Parrett.)
Pascucci, Pietro, Meriden, Conn. Tire pump. 1,538,488; May 19.
Patent Button Company, The. (See White, Franklin R., assignor.)
Patterson, Jack T. (See Tootle, M., 3d, and Patterson.)
Peacock, William, and D. Gray, Oneida, N. Y., assignors of one-half to C. M. Woolworth, Philadelphia, Pa. Soda-lime composition of matter useful as a gas absorbent. 1,538,650; May 9.

Pearson, Susan C., New York, N. Y. Snap fastener. 1,538,350; May 19.
Peckham, William M. (See Gallagher, F. E., and Peckham.)
Peelle, Willis J., Chicago, Ill. Vacuum capping machine. 1,538,587; May 19.
Pellow, Arthur, assignor to American Optical Company, Southbridge, Mass. Lens blocking. 1,538,651; May 19.
Pengilly, Lewis, Stockton, Calif. Ignition head for cigar and cigarette lighters. 1,538,258; May 19.
Permutit Company, The. (See Kriegsheim, H., and Vaughan, assignors.)
Petersen, Carl, New York, N. Y. Bath-sponge device. 1,538,740; May 19.
Peterson, Gust W., Long Beach, Calif. Lathering device. 1,538,741; May 19.
Peterson, Hjalmar, et al. (See Ericson, Fritz A., assignor.)
Peterson, John R. (See Greist, W. C., Carmichael, and Peterson.)
Peterson, John R. (See Carmichael, A. J., and Peterson.)
Petter, Guy B., Ipswich, England. Calculating machine. 1,538,447; May 19.
Pettersson, Karl F. W., Edsbyn, Sweden. Hairpin. 1,537,964; May 19.
Pictorial Soap Manufacturing Corporation. (See Dostal, George A., assignor.)
Pierce, Ralph E., Larchmont, N. Y., assignor to American Telephone and Telegraph Company. Current-measuring arrangement. 1,538,001; May 19.
Pike, Robert D., San Francisco, Calif. Clinkering apparatus. 1,538,058; May 19.
Pilley Packing & Flue Brush Manufacturing Company. (See Shultz, Llewellyn B., assignor.)
Pine Tree Milking Machine Company. (See Oden, Henry C., assignor.)
Pinkerton, Edward E., Chicago, Ill. Collapsible crate. 1,538,211; May 19.
Plate Glass Machinery Co. (See Carrie, James, assignor.)
Plowman, Walter W. (See Schidrowitz, P., Feldenheimer, and Plowman.)
Poetsch, Hugo. (See Prentiss, W. A., and Poetsch.)
Pöhler, Ernst, Hagen, Germany. Charging of lead storage batteries. 1,538,588; May 19.
Pooley Furniture Company. (See Dewar, William H., assignor.)
Porter, Herman P., Washington, D. C. Portable amplifier for radio sets. 1,538,865; May 19.
Poth, Richard, Dortmund, Germany. Device for separating water from compressed air in motion. 1,538,652; May 19.
Potter, Ray J., Dowagiac, Mich. Furnace. 1,538,489; May 19.
Powers & Mayer Manufacturing Corporation. (See Sweitzer, John A., assignor.)
Prairie, J. B., et al. (See Shanahan, Stephen, assignor.)
Pratt & Whitney Company. (See Vokal, Paul F., assignor.)
Prentiss, William A., and H. Poetsch, Holyoke, Mass. Winding a coil of wire. 1,538,136; May 19.
Pribnow, John F., San Diego, Calif., and N. W. Soderin, Duluth, Minn., assignors to E. C. Atkins & Company, Indianapolis, Ind. Swage shaper. Re16,072; May 19.
Price, Albert O., Coshocton, Ohio. Radiocabinet. Des. 67,350; May 19.
Price, James A., assignor to American Sulphur & Fertilizer Company, Inc., Dallas, Tex. Method and apparatus for extracting sulphur from its ore. 1,538,589; May 19.
Price, James A., assignor to American Sulphur & Fertilizer Company, Inc., Dallas, Tex. Self-cleaning filter. 1,538,742; May 19.
Prickett, Clyde W., Winternet, Iowa. Laying wooden floors and the like on a concrete base. 1,538,743; May 19.
Prince, Carl H. (See Kennedy, C. J., and Prince.)
Proctor & Schwartz Incorporated. (See Hurxthal, A. O., and Galson, assignors.)
Proctor & Schwartz, Incorporated. (See Krest, Edgar B., assignor.)
Production Engineering Corporation. (See Casler, Herman, assignor.)
Providence Collar Button Company. (See Daughaday, Frank P.)
Pratsman, Harold C. (See Kritchevsky, W., and Prutsman.)
Pugh, Charles H., Limited. (See Bull, George F., assignor.)
R. C. Can Company. (See Rutkowski, Walter L., assignor.)
Rail Joint Company, The. (See Wolhaupter, Benjamin, assignor.)
Randall, James W. H., New York, N. Y. Rotary retort. 1,538,490; May 19.
Randall, Raymond W., Toledo, Ohio, assignor to Kohler Company, Kohler, Wis. Thermostatic cut-out switch. 1,538,212; May 19.
Randall, Raymond W., Toledo, Ohio, assignor to Kohler Company, Kohler, Wis. Cut-out switch. 1,538,213; May 19.
Randles, John T. T., assignor to Dunlop Rubber Company Limited, Birmingham, England. Electrical welding process. 1,538,590; May 19.
Raney, Joseph C., Chadwick, Mo. Briar knife and brush hook. 1,538,300; May 19.
Ranucci, Giuseppe, New York, N. Y. Macaroni or similar articles. Des. 67,351; May 19.
Rans, Jacob, St. Louis, Mo. Display device for automobiles. 1,537,965; May 19.
Rasmussen, Rasmus, Pontiac, Ill. Fender brace. 1,538,653; May 19.
Rastetter, Charles A., Fort Wayne, Ind. Mail receptacle. 1,538,591; May 19.
Rastetter, Harry O., assignor to The Union Metal Manufacturing Company, Canton, Ohio. Lighting standard. Des. 67,352; May 19.
Rath, John, Bayonne, N. J. Liquid-measuring device. 1,538,214; May 19.
Ratigan, James P., Huntington Park, Calif. Grip. 1,538,259; May 19.
Ratiometer Corporation. (See Lundgaard, Ivar, assignor.)
Ray, Eugene J., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Sewing machine. 1,538,744; May 19.
Raymond Bros. Engineering Co. (See Hoving, Fritz, assignor.)
Reach, Milton B., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., Golf club. 1,538,654; May 19.
Reading Chain and Block Corporation. (See Howard, Frank H., assignor.)
Reece, Joseph A., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Glass furnace. 1,538,215; May 19.
Reece Shoe Machinery Company. (See Kirwin, John J., assignor.)
Reed, Ellis, Decatur, Ill. Chair and attachment. 1,538,408; May 19.
Reed, William B., Portland, Oreg. Motor-vehicle signal device. 1,538,491; May 19.
Regan Forge & Engineering Company. (See Minor, Burt S., assignor.)
Reierson, Clarence R., Havre, Mont. Coloring photographs. 1,538,351; May 19.
Reierson, Clarence R., Havre, Mont. Solution for treating photographs and preparing the same. 1,538,352; May 19.
Reimann, Otto, Charlottenburg, near Berlin, Germany. Apparatus for preparing living trees for coloring the wood. 1,538,745; May 19.
Reiter, Joseph, New York, N. Y. Swimmer's appliance. 1,538,492; May 19.
Reneau, Charles P., Tunica, Miss. Plumb bob. 1,538,746; May 19.
Rex Iron Works Company, The. (See Cass, Fred S., assignor.)
Reynolds, George A., jr., Binghamton, N. Y. Noiseless window guide. 1,538,655; May 19.
Reynolds, Michael J., West Haven, assignor to Strouse, Adler & Co., New Haven, Conn. Hip-confining corset. 1,538,353; May 19.
Rhodes, William O., Covington, Ky. Building material. 1,538,002; May 19.
Ricard, Eloi, assignor to Société Ricard, Allenet & Cie., Distilleries des Deux-Sevres, Melle, Deux-Sevres, France. Purifying liquids. 1,538,003; May 19.
Ricard, Eloi, assignor to Société Ricard, Allenet & Cie., Distilleries des Deux-Sevres, Melle, Deux-Sevres, France. Purifying liquids. 1,538,004; May 19.
Richardson, George E., Colebrook, N. H. Flush valve. 1,538,656; May 19.
Richmond, Louis E., Cleveland, assignor, by mesne assignments, to The Autocall Company, Shelby, Ohio. Electric bell. 1,537,966; May 19.
Richter, Morten B., Copenhagen, Denmark. Electric-impulse-producing mechanism. 1,538,354; May 19.
Rider, Granville S., New York, N. Y. Stamp-affixing device. 1,537,967; May 19.
Rifle, Alva M., Alexander, W. Va. Rail joint. 1,538,657; May 19.
Rindsberg, Harry D. (See Owen, R. J., and Rindsberg.)
Rindt, Vincent R., Winter, Wis. Fishing bait. 1,538,658; May 19.
Ringgenberg, Howell, Sherburn, Minn. Vacuum tank. 1,538,519; May 19.
Roberts, Ezekiel M., St. Louis, Mo. Coin-controlled dispensing mechanism. 1,538,878; May 19.
Robinson, Donald R., assignor to R. M. Robinson, Chicago, Ill. Sealing machine. 1,538,747; May 19.
Robinson, Rose M. (See Robinson, Donald R., assignor.)
Robison, Thomas W., Hilladale, Oreg. Lamp bracket. 1,538,059; May 19.
Rockford Milling Machine Company. (See Sundstrand, Oscar J., assignor.)
Rodhe, Olof, Stockholm, Sweden. Gas-analyzing device. 1,538,592; May 19.
Rogers, Everett L., jr., Providence, R. I. Display tray. Des. 67,353; May 19.
Rogers, Harold A., Cardiff, Wales. Sound recording and reproducing machine. 1,538,866; May 19.
Rolfs, Baltus, assignor to Amity Leather Products Co., West Bend, Wis. Key case. 1,538,593; May 19.
Rollins, Frances S. (See Smith, Charles S., assignor.)
Romeyn, Jean, Brussels, Belgium. Internal-combustion engine. 1,538,594; May 19.

Ross, Frederick N., Detroit, Mich. Machine for manufacturing studs, nipples, and similar articles. 1,538,659; May 19.
Rose, Gustaf V. L. (See Tenow, Olof A. A., assignor.)
Rose, William F. M., Hammersmith, London, England. Lamp for motor road vehicles. 1,538,801; May 19.
Rosenblad, Edwin H., San Francisco, Calif. Oil gauge. 1,538,748; May 19.
Rossi, Pio, Berne, Switzerland. Powder for the autogenous soldering or welding of aluminum. 1,538,355; May 19.
Roth, Herman, Milwaukee, Wis. Plumbing fixture. 1,538,216; May 19.
Ruggles-Klingemann Mfg. Co. (See Kimball, James L., assignor.))
Rumney, Fred A., Boston, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of setting blind and invisible eyelets. 1,538,005; May 19.
Rush, W. S., & Co. (See Muhleisen, Henry W., assignor.)
Rutkowski, Walter L., assignor to R. C. Can Company, St. Louis, Mo. Can-making machine. 1,538,841; May 19.
Ryder, Charles D., assignor, by mesne assignments, to The Thos. J. Corcoran Lamp Co., Cincinnati, Ohio. Spotlamp. 1,538,409; May 19.
Safelock Co. Inc., The. (See Erdey, J. E., and Kerr, assignors.)
Safety Air Brake Company. (See Lengel, Irvin D., assignor.)
Safety Car Heating & Lighting Company. (See Livingston, Alan V., assignor.)
Sager, Arthur W., Horicon, Wis. Grain separator. 1,538,660; May 19.
St. Louis Brass Manufacturing Company. (See Owen, Raymond V., assignor.)
St. Pierre Chain Corporation. (See St. Pierre, Henry, assignor.)
St. Pierre, Henry, assignor to St. Pierre Chain Corporation, Worcester, Mass. Connecting and locking device for tire chains. 1,538,011; May 19.
Sakasai, Eisaburo, Tokyo, Japan. Fountain pen. 1,538,006; May 19.
Sakom, Daniel. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Saks, Joseph. (See Stucky, Stephen, assignor.)
Salsich, Neil E., Bethlehem, Pa. Switch stand. 1,538,448; May 19.
Salus, Joseph, St. Paul, Minn. Vehicle wheel. 1,538,661; May 19.
Savage-De Remer Corporation. (See De Remer, Jay G., assignor.)
Schanfein & Tamis. (See Tamis, Louis, assignor.)
Schellin, John C., Wooster, Ohio. Vacuum hose coupling and mender. 1,538,007; May 19.
Schenuit, Henry F., Pasadena, Calif. Piano action. 1,538,302; May 19.
Scherer, William H. (See Krick, Homer, assignor.)
Schidrowitz, Philip, W. Feldenheimer, and W. W. Plowman, London, England. Manufacture of rubber. 1,538,060; May 19.
Schiff, Sigmund, Cincinnati, Ohio. Centrifugal sifter. 1,538,356; May 19.
Schiff, Sigmund, Cincinnati, Ohio. Dust collector. 1,538,357; May 19.
Schlos, Arthur H., assignor to The Toledo Machine & Tool Company, Toledo, Ohio. Toggle press. 1,538,061; May 19.
Schmolze, Mildred C., assignor to Franklin Simon & Co., Inc., New York, N. Y. Dress. Des. 67,354; May 19.
Schnabel, Henry M., Greenwich, Conn. Battery connecter. 1,537,968; May 19.
Schofield, Frederick C., assignor to United Cigarette Machine Co., Inc., Lynchburg, Va. Tobacco-stemming machine. 1,538,662; May 19.
Schoon, Harley, Glasford, Ill. Cultivator attachment. 1,538,749; May 19.
Schroeder, Edmund, Berlin, Germany. Multiple switch for use in connection with electric welding machines. 1,538,410; May 19.
Schroeder, William, Milwaukee, Wis. Staging and clamp for the erection thereof. 1,538,595; May 19.
Schroedter, George M., assignor to William Cooper and Nephews, Chicago, Ill. Animal blanket. 1,538,596; May 19.
Schub, Franz, Vienna, Austria. Flying machine. 1,538,520; May 19.
Schultz, Joseph, Cleveland, Ohio. Sliding-door structure. 1,538,358; May 19.
Schulz, Frank, New York, N. Y. Game apparatus. 1,538,449; May 19.
Schweinert, Maximilian C., New York, N. Y. Pump coupling or the like. 1,538,062; May 19.
Scognamillo, Salvatore, New York, N. Y. Spark plug. 1,538,750; May 19.
Scott, Lewis L., St. Louis, Mo. Throttle control for steam automobiles. 1,538,664; May 19.
Scribner, Romeyn B., Rye, N. Y. Loop antenna. Des. 67,355; May 19.
Sears, William E., Eureka, Kans. Gravitational toy. 1,538,217; May 19.

Seavey, Eugene, New York, N. Y., assignor to C.-V. Products Corporation. Shank stiffener. 1,538,751; May 19.
Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-sewing machine. 1,538,752; May 19.
Seelye, Elwyn E., White Plains, N. Y. Sent for concrete beams. 1,538,218; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,356; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,357; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,358; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,359; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,360; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,361; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,362; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Pendulet. Des. 67,363; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,364; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Penduiet. Des. 67,365; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,366; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Spindle for lighting fixtures. Des. 67,367; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,368; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,369; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,370; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company, Chicago, Ill. Lamp base. Des. 67,371; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company. Chicago, Ill. Lamp base. Des. 67,372; May 19.
Severus, Louis, assignor to Art Lamp Manufacturing Company. Chicago, Ill. Lamp base. Des. 67,373; May 19.
Shackleton, Samuel P. (See Crisson, G., and Shackleton.)
Shamberger, John P., and C. H. Slayton, Omaha, Nebr. Electric locomotive. 1,538,137; May 19.
Shanahan, Stephen, assignor of one-fourth to J. B. Prairie and one-fourth to J. B. Crowley, Charleston, W. Va. Cover for service boxes and the like. 1,538,219; May 19.
Sharkey, William E., Middletown, Ohio. Reduction gearing. 1,538,008; May 19.
Shea, Alfred J., Holyoke, Mass. Puzzle. 1,538,359; May 19.
Sheridan, William J., Hamilton, Ontario, Canada. Scraper for cooking utensils and the like. 1,538,521; May 19.
Sherry, John C., Seattle, Wash. Cushion heel. 1,538,063; May 19.
Shingle Lock Company, The. (See Kridler, B. C., and Boyle, assignors.)
Shiokawa, Hiroshi, Kobe, Japan. Treating steel. 1,538,411; May 19.
Shomer, Peter J., Cleveland, Ohio. Device for abating smoke. 1,538,597; May 19.
Short, Charles E., assignor of three-fourths to General Motors Research Corporation and one-fourth to The Dayton Rubber Manufacturing Company, Dayton, Ohio. Transmission belt. 1,538,303; May 19.
Short, Charles E., assignor to General Motors Research Corporation, Dayton, Ohio. Piston for internal-combustion engines. 1,538,874; May 19.
Shultz, Llewellyn B., assignor to Pilley Packing & Flue Brush Manufacturing Company, St. Louis, Mo. Rotary abrading brush. 1,538,220; May 19.
Shuster, Elmore F. (See Epstein, Irving, assignor.)
Simmons, Company. (See Augustine, Christfore M., assignor.)
Simonds Saw and Steel Company. (See Davis, Alvin W., assignor.)
Sinclair, George M., Timmer, N. Dak. Grain-saving attachment. 1,538,665; May 19.
Singer Manufacturing Company, The. (See Webb, Irving F., assignor.)

Skinner, Charles W., Newfield, N. J. Cultivator. 1,538,598; May 19.
Skog, August W., Minneapolis, Minn. Tent. 1,538,064; May 19.
Slaight, Leland V., Cleveland Heights Village, Ohio. Speed-controlling device for motor vehicles. 1,538,009; May 19.
Slayton, Clarence H. (See Shaniberger, J. P., and Slayton.)
Slaughter, Harvey C., and R. D. Jones, San Marcos, Tex. Folding bookcase. 1,538,663; May 19.
Sloop, Carl, Akron, Ohio. Automobile heater. 1,538,188; May 19.
Smajstria, Emil, Victoria, Tex. Insect destroyer. 1,538,221; May 19.
Small, Charles M., New York, N. Y. Electric switch. 1,538,666; May 19.
Smith, Alfred H., New York, N. Y. Compartment freight car. Re16,073; May 19.
Smith, Alfred H., Co. (See Vogler, John J., assignor.)
Smith, Blanchard D., Lagrange, assignor of one-half to J. A. Grant, Atlanta, Ga., one-sixth to G. F. Martin, New York, N. Y., and one-sixth to R. B. Whitman, Bridgeport, Conn. Record-changing mechanism for phonographs. 1,538,667; May 19.
Smith, Charles S., assignor to F. S. Rollins, Chicago, Ill. Screen. 1,538,222; May 19.
Smith, Frank A., Union City, Conn. Tire chain. 1,538,668; May 19.
Smith, George. (See Brown, F., and Smith.)
Smith, George E., Hudson, Colo. Child's merry-go-round. 1,538,753; May 19.
Smith, Harry S., Needham Heights, assignor, by mesne assignments, to The Gamewell Company, Newton, Mass. Signal-device-operating mechanism. 1,538,010; May 19.
Smith, Henry C. (See Moore, E. J., and Smith.)
Smith, John L., Hamilton, Ontario, Canada. Device for removing scale and surface defects from steel while being rolled hot. 1,538,304; May 19.
Smith, Letha B., Portland, Oreg. Skirt marker. 1,538,305; May 19.
Smith, Sydney C. (See Chappell, W. G., and R. S., and Smith.)
Smith, Victor C., et al. (See Johnson, Ben, assignor.)
Smith, William H., Cleveland, Ohio, assignor to Ludlum Steel Co., Watervliet, N. Y. Malleable noncorrodible alloy. 1,538,360; May 19.
Smith, William R., Buffalo, N. Y. Subsoil tile line. 1,538,669; May 19.
Smyers, Bertrand H., jr., Bellevue, and M. H. Jackson, Swissvale, Pa. Burglarproof wall. 1,538,223; May 19.
Snyder, Howard F., assignor to The Maytag Company, Newton, Iowa. Tractor. 1,537,969; May 19.
Sobotka, Harry. (See Willstätter, R., and Sobotka.)
Societa Anonima Ansaldo San Giorgio. (See De Feo, Vincenzo, assignor.)
Societe Anonyme "Union Photographique Industrielle, Etablissements Lumiere & Jougla Reunis." (See Lumiere, Louis, assignor.)
Société des Establissements Gaumont. (See Gaumont, Léon, assignor.)
Société l'Alfa, Société Anonyme pour la Fabrication des Pâtes de Cellulose et al. (See Colas, Louis J. B. A., assignor.)
Société P. Nicolle & Cie. (See Prepler, Paul A., assignor.)
Société Ricard, Allenet & Cie, Distilleries des Deux-Sevres. (See Ricard, Eloi, assignor.)
Société Rocca, Tussy & De Roux. (See Bergier, Jean, assignor.)
Soderin, Nels W. (See Pribnow, J. F., and Soderin.)
Soref, Harry E., Milwaukee, Wis. Safety device for holding doors ajar. 1,538,590; May 19.
Southern Can Company. (See Gunter, James E., assignor.)
Soward, Hugh G. (See Taylor, M., and Soward.)
Spalding, A. G., & Bros. (See Reach, Milton B., assignor.)
Speer, James A., Rossi, Kans. Header attachment. 1,538,139; May 19.
Spelling, John, Walla Walla, Wash. Walking animal. 1,538,140; May 19.
Spinner, Abraham, and J. S. Merenna, Brooklyn, N. Y. Sanitary cigar cutter. 1,538,522; May 19.
Spohrer, Gregory J., East Orange, N. J. Electric-motor-driven compressor. 1,538,754; May 19.
Squires, John P. (See Alden, E. G., Alden, and Squires.)
Stacy, Eugene C., Tiffin, Ohio. Load binder. 1,538,412; May 19.
Stafford, George A., Sourlake, Tex. Combination sucker-rod wrench and elevator. 1,538,413; May 19.
Stamatson, Thomas K., Brooklyn, assignor to Keller Printing Company, New York, N. Y. Machine for printing tickets. 1,538,361; May 19.
Stanley, Joseph W., Johnstown, Pa. Tool holder. 1,538,670; May 19.
Stanley, Theodore D., assignor to Leland Lock Company, Detroit, Mich. Tire lock. 1,538,842; May 19.
Stanley, Theodore D., assignor to Leland Lock Company, Detroit, Mich. Tire lock. 1,538,843; May 19.
Stanley Works, The. (See Eger, George, assignor.)
Starrett, L. S., Company, The. (See Amsden, Albert W., assignor.)
Staunton, Le Roy W., assignor to C. Brandes, Inc., New York, N. Y. Gearing for instrument dials. 1,538,523; May 19.
Stearns, Frederick, & Company. (See Francis, Annis, assignor)
Stebbins, George C., Ashtabula, Ohio. Handle for battery boxes. 1,537,970; May 19.
Steedman, James P., assignor to Gurney Scale Company, Limited, Hamilton, Canada. Grain-hopper scale. 1,538,493; May 19.
Steineke, Deidrich H. (See Heitzmann, Oscar, assignor.)
Stendahl, Ludwig, Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,538,671; May 19.
Stettner, Morris, Brooklyn, N. Y. Combined radio and phonograph cabinet construction. 1,538,755; May 19.
Stevens, Alton E., deceased, Providence, R. I.; M. L. Stevens, administratrix. Telephone system. 1,538,141; May 19.
Stevens, Horace D., assignor to The Firestone Tire & Rubber Company, Akron, Ohio. Tire mounting and demounting apparatus. 1,538,875; May 19.
Stevens, Maude L., administratrix. (See Stevens, Alton E.)
Stewart, Henry W., Long Beach, Calif. Pump-valve seat and liner puller. 1,538,306; May 19.
Stewart, Samuel, Birmingham, Ala. Ash-disposal apparatus. 1,538,450; May 19.
Stewart, William J., Clinton, Iowa. Floor and drop pan support for poultry-feeding batteries. 1,538,065; May 19.
Stiff, Henry C., Johnstown, Pa. Guard rail. 1,538,672; May 19.
Stifter, Joseph, Pittsburgh, Pa. Double-acting end gate. 1,538,756; May 19.
Stimpson, Edward S., assignor to Draper Corporation, Hopedale, Mass. Automatically-threading shuttle for looms. 1,538,224; May 19.
Stock, Josef. (See Wilke, K., and Stock.)
Stockseth, George E., Chicago, Ill. Brush-feeding device. 1,538,225; May 19.
Stokes & Smith Company. (See Nitsch, C. H., and Federwitz, assignors.)
Stone, Thomas L., Newark, N. J., assignor to Hampden Glazed Paper & Card Company, Holyoke, Mass. Paper. Des. 67,374; May 19.
Straehle, Frederick W., Cleveland, and W. D. Lee, East Cleveland, assignors to J. M. Davis, Columbus, and W. B. McCoy, Cleveland, Ohio. Suction sweeper. 1,538,226; May 19.
Street, Benjamin S., and S. R. Glenn, Louisville, Ky. Tobacco-firing device. 1,538,260; May 19.
Street, Louis H., Olean, N. Y. Pulpwood-chipping machine. 1,538,066; May 19.
Strehlow, Gustav, Chicago, Ill. Game. 1,538,307; May 19.
Stretausky, Michael P., Wilkes-Barre, Pa. Apparatus for suporting and manipulating power drills. 1,538,142; May 19.
Streun, John A., assignor to Hardwicke-Etter Company, Sherman, Tex. Automatically-relensing cotton-press latch. 1,538,362; May 19.
Strobel, Albert, Cleveland, Ohio. Window construction. 1,538,451; May 19.
Stromberg, Julius J., Buffalo, Minn. Combination stock and hay rack. 1,538,143; May 19.
Strouse, Adler & Co. (See Reynolds, Michael J., assignor.)
Strout, Robert W., assignor to E. W. Bliss Company, Brooklyn, N. Y. Clutch. 1,538,600; May 19.
Stucky, Stephen, assignor of five-eighths to J. Saks, Anniston, Ala. Valve. 1,538,144; May 19.
Studebaker Corporation, The. (See Anibal, Benjamin H., assignor.)
Studebaker Corporation. (See Frey, Albert E., assignor.)
Stuhlmann, Paul. (See Bentè, E., and Stuhlmann.)
Sturgis, Herbert M., Kansas City, Mo. Handle connection. 1,538,145; May 19.
Stüsser, Richard, Deutz, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Diphenyldicarboxylic acid diazo dyes. 1,538,414; May 19.
Sullivan Machinery Company. (See Cartlidge, Frank, assignor.)
Sundstrand, Oscar J., assignor to Rockford Milling Machine Company, Rockford, Ill. Adding and listing machine. 1,537,971; May 19.
Superior Incinerator Company of Texas. (See Lenk, Gus F., assignor.)
Susi, Dominick M., Pittsfield, Me. Direction signal. 1,538,673; May 19.
Swansdown Knitting Company. (See Ansley, William A., assignor.)
Sweitzer, John A., Providence, R. I., assignor to Powers & Mayer Manufacturing Corporation, New York, N. Y. Ring construction. 1,538,452; May 19.
Swindall, Samuel L., Bare Beach, Fla. Coupling or hitch for tractors. 1,538,757; May 19.
Sykes, Atkins, Portsmouth, Va. Rust-preventing composition. 1,538,067; May 19.
Synck, Henry, assignor to The New Idea Spreader Co., Coldwater, Ohio. Gearing. 1,538,524; May 19.

Tagliabue, Charles J., Mfg. Co. (See Bast, Frank J., assignor.)
Talbert, Edgar H., Chevy Chase, Md. Porch swing. 1,538,601; May 19.
Talbot, Horbert R., Ridgewood, N. J. Cream dipper. 1,538,602; May 19.
Tamis, Louis, assignor to Schaefein & Tamis, New York, N. Y. Vanity case. 1,538,363; May 19.
Tavi, Felix, New York, N. Y. Lingual-bar pattern. 1,538,068; May 19.
Taylor, Charles C. (See Taylor, Owen and C. C.)
Taylor, Claude H., Biloxi, Miss. Piston ring. 1,538,758; May 19.
Taylor, Harvey B., Philadelphia, Pa. Fluid-operated head increaser. 1,538,069; May 19.
Taylor Instrument Companies. (See Amdursky, Samuel S., assignor.)
Taylor Instrument Cos. (See Hurlburt, Edward N., assignor.)
Taylor, Mark, and H. G. Soward, Cleveland, Tenn. Rat trap. 1,538,308; May 19.
Taylor, Owen and C. C., assignors to J. E. Miller, sr., Huntington, W. Va. Mason's and plasterer's tool. 1,538,603; May 19.
Teeter, Charles N., Hagerstown, Ind. Reciprocating mechanism. 1,538,525; May 19.
Teetzel, Richard M., assignor to Endicott Johnson Corporation, Endicott, N. Y. Means for attaching rands to heels. 1,538,526; May 19.
Tenow, Olof A. A., Stockholm, assignor of one-half to G. V. L. Rose, Uppsala, Sweden. Apparatus for projecting cinematograph pictures. 1,538,070; May 19.
Terpinas, Mike N., Frankfort, Ind. Hat-bleaching composition. 1,538,261; May 19.
Thackeray, Frederick W., and J. R. Milliken, Los Angeles, Calif. Disappearing shoe stand. 1,538,309; May 19.
Thimgren, Edward, Popotla, Mexico. Music stand. 1,538,674; May 19.
Thode, William N. (See Littell, F. J., and Thode.)
Thomas, Adolph A., New York, N. Y. Magnetic toy or game. 1,538,453; May 19.
Thomas, Horace T., Lansing, Mich. Automobile curtain. 1,538,759; May 19.
Thomas, Rhys G., and B. Elliott, London, England. Inclosing and readily displaying when required a record of information. 1,538,071; May 19.
Thomas, William R., assignor of one-half to J. Murphy, Watertown, Wis. Road tamper. 1,538,527; May 19.
Thorpe, Arthur C. (See White, Morris C., assignor.)
Thrasher, Charles A., Worcester, Mass., and C. R. Owen, Greenville, S. C. Mold for forming steps. 1,538,604; May 19.
Thunborg, Jacob, Hayden Lake, Idaho. Crosscut-saw jointer. 1,538,227; May 19.
Tiedemann, Theo., & Sons, Inc. (See Cuthbert, Robert F., assignor.)
Timberlake, Paul J., Jackson, Mich. Holder for colored light screens. 1,538,528; May 19.
Timken Roller Bearing Company, The. (See Vanderbeck, Herbert, assignor.)
Titus, Henry W., New York, assignor to M. Weimar, Brooklyn, N. Y. Progressive exerciser. 1,538,844; May 19.
Titus, Henry W., New York, assignor to M. Weimar, Brooklyn, N. Y. Progressive exerciser. 1,538,845; May 19.
Toledo Machine & Tool Company, The. (See Schloz, Arthur H., assignor.)
Toles, Justin K., Berkeley, Calif., assignor to American Hair Felt Co. Thermal insulating material. 1,538,228; May 19.
Tompkins, Ralph S., Newburgh, N. Y. Felt hat and the like. 1,538,072; May 19.
Toomay, David R., Braymer, Mo. Storage battery. 1,538,146; May 19.
Tootle, Milton, 3d, St. Joseph, Mo., and J. T. Patterson, Homewood, Ill. Golf club. 1,538,415; May 19.
Tost, Charles R., Centerdale, assignor to The Hadley Company, Providence, R. I. Ribbon-bracelet clasp. 1,538,845; May 19.
Trautner, Nicholas W., St. Paul, Minn. Grease retainer. 1,538,416; May 19.
Trawinski, Stephan, Chicago, Ill. Lacing means. 1,538,454; May 19.
Treadwell, M. H., Company. (See Astrom, Carl P., assignor.)
Trench, Harry G., and W. C. Osborn, Hartford, Conn. Cover for automobile steering wheels. 1,538,147; May 19.
Trepier, Paul A., Paris, assignor to himself and Societe P. Nicolle & Cie., Montreuil S/Bois, Seine, France. Shock-absorbing device for automobile vehicles. 1,538,760; May 19.
Triftshauser, George H., Attica, N. Y. Automatic clutch release for tractors. 1,538,417; May 19.
Troidl, Nellie Y., Niagara Falls, N. Y. Educational appliance. 1,538,529; May 19.
Troidl, Nellie Y., Niagara Falls, N. Y. Educational appliance. 1,538,530; May 19.
Trout, Walter M., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Motor-vehicle body. 1,538,364; May 19.
Trullinger, Ralph, Los Angeles, Calif. Emergency tire. 1,538,148; May 19.
Tucker, Jesse D., Sacramento, Calif. Spring axle. 1,538,494; May 19.
Tworek, Felix, Duncan, Nebr. Demountable rim. 1,537,972; May 19.
Underwood Typewriter Company. (See Wherry, John A., assignor.)
Union Art Glass & Fixture Co. (See Chappell, John L., assignor.)
Union Metal Manufacturing Company, The. (See Rastetter, Harry O., assignor.)
Union Switch & Signal Company, The. (See Howard, Lemuel F., assignor.)
Union Switch & Signal Company, The. (See Lewis, Lloyd V., assignor.)
Union Switch & Signal Company, The. (See Zabel, William, assignor.)
United Cigarette Machine Co. (See Schofield, Frederick C., assignor.)
United Shoe Machinery Corporation. (See Hadaway, John B., assignor.)
United Shoe Machinery Corporation. (See Meyer, William C., assignor.)
United Shoe Machinery Corporation. (See Ray, Eugene J., assignor.)
United Shoe Machinery Corporation. (See Rummey, Fred A., assignor.)
United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)
United States Glass Company. (See Loomis, Virgil, assignor.)
Uppercu, Inglis M., Deal Beach, N. J., assignor to Aeromarine Plane & Motor Company, New York, N. Y. Flying-boat hull. 1,537,973; May 19.
V. Brecht, Frank, St. Louis, Mo. Handling food casings. 1,538,460; May 19.
Vaic, Charles. (See Voyt, R. J., and Vaic.)
Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal panel. Des. 67,375; May 19.
Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal panel. Des. 67,376; May 19.
Van Bloem, Paul S., Hempstead, assignor to Viking Products Corporation, New York, N. Y. Elevator signal panel. Des. 67,377; May 19.
Vanderbeek, Herbert, assignor to The Timken Roller Bearing Company, Canton, Ohio. Grinding machine and process. 1,538,073; May 19.
Van Wagenen, Doanid S., Brooklyn, N. Y., assignor to B. F. Watkins, Philadelphia, Pa. Grate structure. 1,538,761; May 19.
Vaughan, William. (See Kriegsheim, H., and Vaughan.)
Verdaguer, Francisco, Balaguer, Spain. Aeroplane. 1,538,531; May 19.
Vickers Limited. (See McKechnie, James, assignor.)
Viking Products Corporation. (See Van Bloem, Paul S., assignor.)
Vincent, Philip, Olympia, Wash. Self-dumping scow. 1,538,012; May 19.
Vivian, Sylvanus P., Chelsea, London, England. Machine for arranging papers, cards, and like articles. 1,538,762; May 19.
Vlcek, Frank M., Silver Lake, Minn. Flatiron. 1,538,495; May 19.
Vogler, John J., Douglaston, assignor to Alfred H. Smith Co., New York, N. Y. Vanity box. 1,538,532; May 19.
Vokal, Paul F., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Making milling cutters. 1,538,763; May 19.
Von Stetten, Julius O., Philadelphia, Pa. Hosiery-drying form. 1,537,974; May 19.
Voyt, Rudolph J., Cicero, and C. Vaic, Chicago, Ill. Ash remover for vehicles. 1,538,533; May 19.
Vreeland, Frederick K., Montclair, N. Y. Stray elimination in radioreceivers. 1,537,975; May 19.
Wachtel, Wilhelm. (See Obersohn, A., Wachtel, Sakom, and Askenasy.)
Wahle, Adolph, Davenport, Iowa. Rotary pump. Re16,074; May 19.
Wahlin, Frank A., Chicago, Ill. Window lock. 1,538,149 May 19.
Wald, John E., Huntingdon, Pa. Conveyer for enameling ovens. 1,538,764; May 19.
Walker Manufacturing Company. (See Walker, Willard T., assignor.)
Walker, Willard T., assignor to Walker Manufacturing Company, Racine, Wis. Display stand for jacks. Des. 67,378; May 19.
Wall, William W., et al. (See Johnson, Ben, assignor.)
Ward, Burfoot S., Cape Charles, Va. Dirigible headlight. 1,538,766; May 19.
Waream, Charles E., assignor to The American Laundry Machinery Company, Cincinnati, Ohio. Ironing machine. 1,537,976; May 19.
Warndorff, Edwin O., assignor to The Concrete Fixtures Company, Chicago, Ill. Laundry tub. 1,538,766; May 19.
Waters, Harold, Yonkers, N. Y., assignor to Otis Elevator Company, Jersey City, N. J. Sequence safety switch for elevators. 1,537,977; May 19.

Watkins, Benjamin F. (See Van Wagenen, Donald S., assignor.)
Watson, George H., Medina, N. Y. Finger-printing device. 1,538,767; May 19.
Watters, John S., Vincennes, Ind. Combined radiocabinet and loud speaker. Des. 67,379; May 19.
Watters, John S., Vincennes, Ind. Combined radiocabinet and loud speaker. Des. 67,380; May 19.
Wayne Tank and Pump Company. (See Brandt, William F., assignor.)
Wayne Tool Manufacturing Company. (See Flinchbaugh, Frederick T., assignor.)
Weatherproof Body Corporation. (See Morine, Edwin C., assignor.)
Weaver, James P., Charleston, W. Va., assignor to The Libbey-Owens Sheet Glass Company, Toledo, Ohio. Glass furnace. 1,538,229; May 19.
Webb, Irving F., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Power-tableguard. 1,538,534; May 19.
Weimar, Mary. (See Titus, Henry W., assignor.)
Welling, John G., Cincinnati, Ohio. Circuit-breaker lock. 1,538,535; May 19.
Wells, Albert C., Des Moines, Iowa. Plastic-mold-form structure. 1,538,496; May 19.
Wesche, George W., Wellsville, N. Y. Hydrocarbon burner. 1,538,310; May 19.
Western Cartridge Company. (See Olin, John M., assignor.)
Western Electric Company. (See Forsberg, Oscar F., assignor.)
Western Electric Company. (See Heising, Raymond A., assignor.)
Western Electric Company. (See Kingsbury, Edwin F., assignor.)
Western Electric Company. (See Long, Maurice B., assignor.)
Western Railway Equipment Company. (See Campbell, Sterling H., assignor.)
Westinghouse Lamp Company. (See Higgins, John J., assignor.)
Westinghouse Lamp Company. (See Madden, Harry D., assignor.)
Wheaton, Orson E., St. John, N. Dak. Puzzle. 1,538,768; May 19.
Wheeler, Roy C., Berkeley, Calif. Reversible hat. 1,538,847; May 19.
Wheeling Stamping Company. (See Davis, Walter T., assignor.)
Wherry, John A., New Orleans, La., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,538,074; May 19.
Whitaker, Ed, Waterloo, Iowa, assignor of one-third to I. L. Escher, Chicago, Ill. Combination headlight reflector. 1,538,013; May 19.
Whitaker, Ed, Waterloo, Iowa, assignor of one-third to I. L. Escher, Chicago, Ill. Vehicle headlight. 1,538,014; May 19.
White, Franklin R., assignor to The Patent Button Company, Waterbury, Conn. Button. 1,538,015; May 19.
White, J. J., Manufacturing Company. (See White, Joseph J., assignor.)
White, John W., Butte, Mont. Tie mount and carrier. 1,538,769; May 19.
White, Joseph J., Cranston, assignor to J. J. White Manufacturing Company, Providence, R. I. Gem. Des. 67,381; May 19.
White, Joseph J., Cranston, assignor to J. J. White Manufacturing Company, Providence, R. I. Gem. Des. 67,382; May 19.
White, Morris C., San Francisco, assignor of one-fourth to A. C. Thorpe, Oakland, Calif. Temperature indicator. 1,538,418; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 67,383; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 67,384; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 67,385; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Clock case. Des. 67,386; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Watchcase. Des. 67,387; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Watchcase. Des. 67,388; May 19.
Whitehead, Richard H., assignor to New Haven Clock Co., New Haven, Conn. Watchcase. Des. 67,389; May 19.
Whitman, Ray B., et al. (See Smith, Blanchard D., assignor.)
Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Tilting-body vehicle. 1,538,876; May 19.
Wiederholdt, Ernest F., St. Louis, Mo. Insulated spark-plug connecter. 1,538,230; May 19.
Wigginton, George P., assignor to Kalamazoo Loose Leaf Binder Co., Kalamazoo, Mich. Temporary binder or loose-sheet holder. 1,537,978; May 19.
Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hob. 1,538,770; May 19.
Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hob. 1,538,771; May 19.
Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hob. 1,538,772; May 19.
Wildhaber, Ernest, Brooklyn, assignor to Niles-Bement-Pond Company, New York, N. Y. Hobbing blanks. 1,538,773; May 19.
Wilke, Karl, and J. Stock, assignors to Farbwerke vorm. Meister Lucius & Brüning, Hochst-on-the-Main, Germany. Vat dyestuff and making same. 1,538,419; May 19.
Willard Storage Battery Company. (See Dunsweiler, Carl J., assignor.)
Wilson, Edwin L., Farmington, Conn. Electric furnace. 1,538,365; May 19.
Willstätter, Richard, and H. Sobotka, Munich, Germany. Manufacture of yeast preparations for baking, dietetic, and therapeutic purposes. 1,538,366; May 19.
Willys-Overland Company, The. (See Braselton, Chester H., assignor.)
Wilson, Edward, assignor to Wilson Engineering Company, St. Louis, Mo. Oil separator. 1,538,150; May 19.
Wilson Engineering Company. (See Wilson, Edward, assignor.)
Wilson, Paul, et al. (See Hall, Randolph F., assignor.)
Windsor, Charles H., Palmyra, N. J. Paper basin. 1,538,016; May 19.
Wingquist, Sven G., Gottenborg, Sweden. Vane pump. 1,538,075; May 19.
Winkel, Leon, New York, N. Y. Game device. 1,538,455; May 19.
Winkler, Fritz. (See Mittasch, A., and Winkler.)
Winkler, Joseph, Elkader, Iowa. Clutch-lever control. 1,538,774; May 19.
Wisoff, Isaac J., Brooklyn, N. Y. Gripping implement. 1,538,536; May 19.
Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Company, New York, N. Y. Track liner. 1,538,775; May 19.
Wolhaupter, Benjamin, New Rochelle, assignor to The Rail Joint Co., New York, N. Y. Track liner. 1,538,776; May 19.
Wood, Clarence M., Langhorne, Pa. Toeing stand for golf courses. 1,538,537; May 19.
Wood, Henry A. W., assignor to Wood Newspaper Machinery Corporation, New York, N. Y. Web-printing press. 1,538,151; May 19.
Wood, Marie E., Ogden, Utah. Pad for children's chairs. 1,538,538; May 19.
Wood Newspaper Machinery Corporation. (See Wood, Henry A. W., assignor.)
Woolworth, Chester M. (See Peacock, W., and Gray, assignors.)
Wright, Charles J., assignor to The Harris Automatic Press Company, Cleveland, Ohio. Printing press. 1,537,979; May 19.
Wright, George, Oakland, Calif. Boat-launching apparatus. 1,538,539; May 19.
Wright, Walter C., Youngstown, Ohio. Quick-release apparatus for air-brake cylinders. 1,538,017; May 19.
Yale & Towne Manufacturing Company, The. (See Hoyt, William R., assignor.)
Yoder, Carl M., Cleveland, Ohio. Metal-bending machine. 1,538,540; May 19.
York, Henry J., San Francisco, Calif. Lamp shade. 1,538,152; May 19.
Young, John, Caldwell, N. J., assignor to National Aniline & Chemical Company, Inc., New York, N. Y. Vulcanization of rubber. 1,538,076; May 19.
Young, Margaret, Dubuque, Iowa. Coloring eggs or the like. 1,538,367; May 19.
Youngberg, Ida M., Gothenburg, Nebr. Fireless brooder. 1,538,368; May 19.
Youngstown Pressed Steel Company. (See Manofsky, John, assignor.)
Zabel, Bertha, executrix. (See Zabel, William.)
Zabel, William, deceased, Swissvale, Pa., by B. Zabel, executrix, Albany, N. Y., assignor to The Union Switch & Signal Company, Swissvale, Pa. Circuit controller. 1,538,153; May 19.
Zeman, Anton, Camden, N. J., and G. W. Nemec, Philadelphia, Pa.; said Nemec assignor to said Zeman. Adjustable window screen. 1,538,777; May 19.
Zimmer, John H., St. Louis, Mo. Burner. 1,538,456; May 19.
Zinger, William, Philadelphia, Pa. Sign. 1,538,675; May 19.
Zoelly, Heinrich, Zurich, Switzerland. Water-cooling device for condensers. 1,538,457; May 19.
Zuruk-Zurinsky, John J., McKeesport, Pa. Pressing and cleaning apparatus. 1,538,077; May 19.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 19TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive article. M. L. Hartmann. 1,538,111; May 19.
Acid, Purification of phosphoric. J. N. Carothers and A. B. Gerber. 1,538,089; May 19.
Adding and listing machine. O. J. Sundstrand. 1,537,971; May 19.
Addressing-machine printing plate. J. Krell. 1,538,403; May 19.
Advertising apparatus. N. C. Deighan. 1,538,178; May 19.
Aeroplane. F. Verdaguer. 1,538,531; May 19.
Aeroplane stabilizers, Controlling device for varying the incidence of. E. Dewoitine. 1,538,095; May 19.
Agitating, washing, and drying. D. C. Collier. 1,538,270; May 19.
Air-brake cylinders, Quick-release apparatus for. W. C. Wright. 1,538,017; May 19.
Air compressor. W. L. Martin. 1,538,716; May 19.
Air drills, Lubricator for. A. Nelson. 1,538,646; May 19.
Airplane. R. F. Hall. 1,538,800–1; May 19.
Air preheater. W. T. Chamberlain. 1,538,686; May 19.
Air spring. F. S. Church. 1,538,420; May 19.
Air tank having interchangeable paint containers, Compressed-. W. C. Beach. 1,538,371; May 19.
Alarm or signal device. R. D. Buell. 1,538,165; May 19.
Alcohol and acetone fermentation process, Butyl. F. J. Funk. 1,538,516; May 19.
Alkali-metal amalgams, especially for the production of alkali metals, Treatment of. T. Ewan. 1,538,390; May 19.
Alkali metals, Manufacture of. T. Ewan. 1,538,389; May 19.
Alloy. L. S. Kuehn. 1,538,337; May 19.
Alloy, Malleable noncorrodible. W. H. Smith. 1,538,360; May 19.
Aluminum hydroxide, Production of. A. J. Moxham. 1,538,839; May 19.
Aluminum sulphate, Manufacture of. A. J. Moxham. 1,538,837; May 19.
Amusement device. F. J. Newsbaum. 1,538,647; May 19.
Anæsthetic. J. H. Cotton. 1,538,513; May 19.
Animal trap. H. F. Krause. 1,538,707; May 19.
Arch support, Adjustable. A. L. Cramer. 1,538,026; May 19.
Arch support, Longitudinal and transverse. O. Heitzmann. 1,538,040; May 19.
Armoring machine, Tubular. S. W. Bourn. 1,538,161; May 19.
Armrest. W. B. Eberly. 1,538,101; May 19.
Ash-disposal apparatus. S. Stewart. 1,538,450; May 19.
Ash remover. C. Griffin. 1,538,799; May 19.
Ash remover for vehicles. R. J. Voyt and C. Vaic. 1,538,533; May 19.
Auger. G. Borgic. 1,538,680; May 19.
Automobile buffer. M. L. Obrecht. 1,538,257; May 19.
Automobile bumper. K. L. and C. W. Harris. 1,538,804; May 19.
Automobile comfort station. D. D. McDonald. 1,538,290; May 19.
Automobile curtain. H. T. Thomas. 1,538,759; May 19.
Automobile heater. C. Sloop. 1,538,128; May 19.
Automobile signal. N. R. Mayoss. Des. 67,348; May 19.
Automobile vehicles, Shock-absorbing device for. P. A. Trepier. 1,538,760; May 19.
Automobile windshield. H. W. Conner. 1,538,271; May 19.
Automobile windshields or similar devices, Mechanism for cleaning. L. L. Korach. 1,537,951; May 19.
Automobiles, Fluid or safety-gas brake for. I. D. Lengel. 1,538,193; May 19.
Automobiles, Protecting shield for use in shipping. W. L. Mitchell. 1,538,297; May 19.
Automobiles, Signal-operating attachment for. R. R. Miller. 1,538,572; May 19.
Automobiles, Snow attachment for. H. K. Goodrich. 1,538,633; May 19.
Automobiles, Throttle control for steam. L. L. Scott. 1,538,664; May 19.
Axle, Spring. J. D. Tucker. 1,538,494; May 19.
Badge. F. S. Land. Des. 67,344; May 19.
Bag, brief case, and purse, Combined folding. J. E. McNally. 1,537,956; May 19.
Bale rebander. E. L. Horsley. 1,538,330; May 19.
Ball: *See*—
Game ball.
Inflatable ball.
Ball and rod mill. F. M. Canda. 1,538,620; May 19.
Bank, Savings. M. R. Clements. 1,538,090; May 19.
Bat and ball, Combined. W. H. Mercer. 1,538,720; May 19.
Bathhouse, Collapsible. A. Anticknap. 1,538,311; May 19.
Batteries, Charging of lead storage. E. Pöhler. 1,538,588; May 19.
Battery: *See*—
Storage battery.
Battery box. J. F. Johnston and G. W. Bulley. 1,538,818; May 19.
Battery-box handle. G. C. Stebbins. 1,537,970; May 19.
Battery-charging transformer. A. B. Nelsen. 1,537,999; May 19.
Battery connecter. H. M. Schnabel. 1,537,968; May 19.
Battery container, Storage-. C. J. Dunsweiler. 1,538,031; May 19.
Battery cup. J. M. Olin. Re16,078; May 19.
Battery-switch lock, Storage-. G. J. Harbes. 1,538,038; May 19.
Battery terminal. T. C. Masters. 1,538,129; May 19.
Bead core. J. R. Gammeter. 1,538,430; May 19.
Bearing, Ball. A. Dowaid. 1,538,275; May 19.
Bearing box, Self-aligning pitman. V. L. Forsyth. 1,538,318; May 19.
Bearing for roll necks, Side. W. Evans and A. Barr. 1,538,180; May 19.
Bearing material, Chemically-prepared iron-. A. J. Moxham. 1,538,838; May 19.
Bearing material, Chemically-prepared iron-. A. J. Moxham. 1,538,840; May 19.
Bearings, Ball cage for antifriction thrust. K. O. Leon. 1,538,564; May 19.
Bed, Tourist. J. H. Bowlby. 1,538,879; May 19.
Bedstead end frame. C. M. Augustine. Des. 67,328; May 19.
Bell, Electric. L. E. Richmond. 1,537,966; May 19.
Belt clamp. C. J. Kennedy and C. H. Prince. 1,538,705; May 19.
Belt guard. R. T. Hazelton. 1,538,853; May 19.
Belt, Transmission. C. R. Short. 1,538,303; May 19.
Bicycle and motor-cycle seat. F. Blake. 1,538,542; May 19.
Bifocal. H. W. Hill. 1,538,812; May 19.
Binder, Load. E. C. Stacy. 1,538,412; May 19.
Binder, Loose-leaf. E. G. and H. B. Alden and J. P. Squires. 1,538,605; May 19.
Binder or loose-sheet holder, Temporary. G. P. Wigginton. 1,537,978; May 19.
Bit: *See*—
Screw-driving bit.
Blanket, Animal. G. M. Schroedter. 1,538,596; May 19.
Bleaching composition, Hat-. M. N. Terpinas. 1,538,261; May 19.
Block: *See*—
Building block.
Boat hull, Flying-. I. M. Uppercu. 1,537,973; May 19.
Boat-launching apparatus. G. Wright. 1,538,539; May 19.
Boll-weevil catcher. J. H. Dykes. 1,538,100; May 19.
Boll-weevil exterminator. J. J. B. Dreesen. 1,538,276; May 19.
Bookcase, Folding. H. C. Slaughter and B. D. Jones. 1,538,668; May 19.
Book, Check. T. C. Larter. 1,538,289; May 19.
Book covers, Round-cornering machine for. F. A. Ericson. 1,537,940; May 19.
Book holder and mark, Combined open-. C. H. Jett. 1,538,331; May 19.
Box: *See*—
Battery box.
Bearing box.
Garment box.
Mail box.
Vanity box.
Box fastener. W. Cross. 1,538,473; May 19.
Box-making machines, Assembling mechanism for. H. J. Goss. 1,538,851; May 19.
Box member and blank therefor. Z. S. Oppenheimer. 1,538,649; May 19.
Boxes and the like, Cover for service. S. Shanahan. 1,538,219; May 19.
Brace: *See*—
Fender brace.
Track brace.
Bracelet clasp, Ribbon-. C. R. Tost. 1,538,846; May 19.

Bracelets, Clasp for watch. J. R. Kay. 1,538,819; May 19.
Bracket: *See*—
Lamp bracket. Supporting bracket.
Mirror bracket.
Brake-beam supports, Shoe for. W. B. Fowler, jr. 1,538,280; May 19.
Brake-beam supports to spring planks, Securing. W. B. Fowler, jr. 1,538,281; May 19.
Brake levers, Lock for. F. W. Gillette. 1,538,085; May 19.
Brake mechanism. S. H. Campbell. 1,537,934; May 19.
Brake mechanism, Four-wheel. C. J. McNerny. 1,538,714; May 19.
Broadcast reception, Improving. L. Espenschied. 1,537,990; May 19.
Bronze, brass, and like metals, Treating the surface of. R. W. H. Fox. 1,538,792; May 19.
Brooch. C. G. King. 1,538,119; May 19.
Brooder, Fireless. I. M. Youngberg. 1,538,368; May 19.
Brush, Dustless. F. S. Hunt. 1,538,537; May 19.
Brush-feeding device. G. E. Stockseth. 1,538,225; May 19.
Brush, Rotary abrading. L. B. Shultz. 1,538,220; May 19.
Brush, Toilet. M. Faucon. 1,538,279; May 19.
Brushing device. C. A. Kelly. 1,538,820; May 19.
Building apparatus. P. N. Hunter. 1,538,815; May 19.
Building block. C. A. Melton. 1,538,200; May 19.
Building blocks of plastic material, Machine for cored. G. C. Debay. 1,538,425; May 19.
Building material. W. O. Rhodes. 1,538,002; May 19.
Building unit and tie for same. F. R. Hahn. 1,538,549; May 19.
Bumper. C. Girl. 1,538,183; May 19.
Bumper-supporting means. W. E. Dunston. 1,538,426; May 19.
Burner: *See*—
Coal-oil burner. Oil burner.
Hydrocarbon burner.
Burner. J. H. Zimmer. 1,538,456; May 19.
Burners, Superheater for oil. C. B. Meadows. 1,538,343; May 19.
Burnishing barrel. G. E. Abbott. 1,538,231; May 19.
Button. F. R. White. 1,538,015; May 19.
Button or similar article. W. A. Ansley. Des. 67,327; May 19.
Cake and pastry server. A. Hedeen. 1,538,808; May 19.
Cake composition, Making a fruit-. E. A. Hines. 1,538,326; May 19.
Calculating machine. G. B. Petter. 1,538,447; May 19.
Calculating monetary value of elapsed time. W. J. Love, jr. 1,538,250; May 19.
Camper's table. M. M. Fowler. 1,538,393; May 19.
Can-making machine. W. L. Rutkowski. 1,538,841; May 19.
Can-marking machine. J. Albertoli. 1,538,079; May 19.
Candelabrum. E. T. Beck. Des. 67,333; May 19.
Candlesticks or similar devices, Base for. E. T. Beck. Des. 67,332; May 19.
Candlesticks or similar articles, Pillar for. E. T. Beck. Des. 67,331; May 19.
Candlesticks or similar articles, Socket for. E. T. Beck. Des. 67,330; May 19.
Capping machine. B. C. Betner. 1,538,612; May 19.
Car, Compartment freight. A. H. Smith. Re16,073; May 19.
Car, Dumping. C. P. Astrom. 1,538,499; May 19.
Carbonating liquids, Apparatus for. R. Mueller. 1,538,204; May 19.
Carburetor. E. Knauss. 1,538,856; May 19.
Card holder. C. K. Harris. 1,538,803; May 19.
Card, Score. H. A. Hagen. 1,538,697; May 19.
Cards, Playing. W. P. Dietz. 1,538,515; May 19.
Carrier: *See*—
Clothespin carrier.
Carrousel swing. G. Lammermann. 1,538,828; May 19.
Carton blanks, Apparatus for folding of. J. W. Nasmith. 1,538,298; May 19.
Carton blanks, Folding of. J. W. Nasmith. 1,538,299; May 19.
Carton, Egg. G. S. Gaylord. 1,538,106; May 19.
Cartridge, Practice. J. Koller. 1,538,561; May 19.
Case: *See*—
Key case. Vanity case.
Case. C. L. Armistead and S. F. Bates. 1,538,502; May 19.
Casting mechanism, Centrifugal. A. E. Paige. 1,538,585; May 19.
Cellulose composition. W. G. Lindsay. 1,538,862; May 19.
Cellulose composition and process. W. G. Lindsay. 1,538,859; May 19.
Cellulosic fibers and fabrics, Treatment of. F. L. Barrett and R. P. Foulds. 1,538,370; May 19.
Cellulosic substances, Treating black liquors from the caustic-soda treatment of. L. J. B. A. Colas. 1,538,269; May 19.
Chair and attachment. E. Reed. 1,538,406; May 19.
Chairs, Pad for children's. M. E. Wood. 1,538,533; May 19.
Chandelier. J. L. Chappell. Des. 67,336–7; May 19.
Channel-flap-laying machine. W. C. Meyer. 1,537,906; May 19.
Charcoal and preparing same. F. C. Atkinson. 1,538,505; May 19.
Chute, Kitchen. J. C. Claudepierre. 1,538,239; May 19.
Chute, Waste-disposal. J. C. Claudepierre. 1,538,240; May 19.
Cigar and cigarette lighters, Ignition head for. L. Pengilly. 1,538,258; May 19.
Cigar cutter, Sanitary. A. Spinner and J. S. Merenna. 1,538,522; May 19.
Cigar machine. M. Bayuk. 1,538,082; May 19.
Cigarettes from previously-cut cigarette rods, Machine for cutting several individual. H. Elsner. 1,538,476; May 19.
Cinematograph pictures, Apparatus for projecting. O. A. A. Tenow. 1,538,070; May 19.
Circuit-breaker lock. J. G. Welling. 1,538,535; May 19.
Circuit controller. W. Zabel. 1,538,153; May 19.
Circulating and agitating device. R. W. Barton. 1,538,506; May 19.
Clamp: *See*—
Belt clamp. Bracelet clamp.
Clasp and pin, Combined. E. McMahon. 1,538,568; May 19.
Clay products, Producing hard cellular. F. A. Glass. 1,538,482; May 19.
Cleaner: *See*—
Cotton cleaner. Vacuum cleaner.
Flue cleaner.
Clinkering apparatus. R. D. Pike. 1,538,058; May 19.
Clip: *See*—
Shingle-lock clip.
Clock case. R. H. Whitehead. Des. 67,333–6; May 19.
Closet bowl, Ventilated. L. A. Birch. 1,538,084; May 19.
Clothespin carrier. H. M. Brakke. 1,538,022; May 19.
Clothes-wringer attachment. S. M. Burkett. 1,538,511; May 19.
Clover and alfalfa hulling machine. F. H. Jones. 1,538,402; May 19.
Clutch. A. J. Detlaff. 1,538,029; May 19.
Clutch. A. E. Frey. 1,538,034; May 19.
Clutch. R. W. Stroup. 1,538,600; May 19.
Clutch-disk-drum puller, Transmission-. F. Merdian. 1,538,721; May 19.
Clutch-lever control. J. Winkler. 1,538,774; May 19.
Coal and ore, Separator for. E. P. Humphrey. 1,537,947; May 19.
Coal-oil burner. C. H. Miller. 1,538,723; May 19.
Coin-controlled dispensing mechanism. E. M. Roberts. 1,538,873; May 19.
Collar. A. H. McCarrel. 1,538,834; May 19.
Combination lock. T. J. Fleury. 1,538,479; May 19.
Composition. W. G. Lindsay. 1,538,860; May 19.
Compression stop. H. D. Madden. 1,538,441; May 19.
Concrete beam, Reenforced-. P. B. Loyeau. 1,538,298; May 19.
Concrete beams, Seat for. E. E. Seelye. 1,538,218; May 19.
Concrete mixers and engines, Water-circulating system for. O. T. Graham. 1,538,696; May 19.
Concrete mold. R. Murray. 1,538,578; May 19.
Condenser. P. Crosley, jr. 1,538,472; May 19.
Condenser, Electrical. O. Meirowsky. 1,538,487; May 19.
Condenser, Variable. E. S. Miller. 1,538,844; May 19.
Condensers, Water-cooling device for. H. Zoelly. 1,538,457; May 19.
Container. L. C. Brooks. 1,538,065; May 19.
Container and closure therefor. W. T. Davis. 1,538,094; May 19.
Container rack. H. F. Gilbert. 1,538,698; May 19.
Conveyer switch, Pneumatic-. J. L. Cushing. 1,538,027; May 19.
Conveying machine. C. H. Nitsch and T. A. Federwitz. 1,538,135; May 19.
Cooking and pressing, Apparatus for. C. Offenhauser. 1,538,210; May 19.
Cooking utensils and the like, Scraper for. W. J. Sheridan. 1,538,521; May 19.
Cooling device. R. S. Blair. 1,538,159; May 19.
Copper-nickel anode and preparing same. S. Giertsen. 1,538,431; May 19.
Corneal illuminator. M. E. Lando. 1,538,191; May 19.
Corset attachment. N. Fahey. 1,538,181; May 19.
Corset, Hip-confining. M. J. Reynolds. 1,538,358; May 19.
Cotton cleaner. S. E. Hopkins. 1,538,244; May 19.
Cotton gin. Z. J. Moore and H. C. Smith. 1,538,345; May 19.
Crane. C. E. Fuller. 1,537,991; May 19.
Crank, Ratchet. J. A. Johnson. 1,538,702; May 19.
Crank, Safety starting. L. T. Mitchell. 1,538,725; May 19.
Crate, Collapsible. E. E. Pinkerton. 1,538,211; May 19.
Crate-top-holding means. C. Larson. 1,538,124; May 19.
Crayon holder. C. Mohr. 1,537,998; May 19.
Cream dipper. H. R. Talbot. 1,538,602; May 19.
Cream or the like, Instrument for the application of shaving. R. Cramp. 1,538,170; May 19.
Crochet pattern. E. B. Mehlem. 1,538,718; May 19.

Crushed material, Apparatus for conditioning. V. G. Leach. 1,538,192; May 19.
Cue. G. K. Caniss. 1,538,237; May 19.
Cultivator. C. W. Skinner. 1,538,598; May 19.
Cultivator attachment. H. Schoon. 1,538,749; May 19.
Cultivators, Surfacing attachment for. H. H. Mills. 1,538,724; May 19.
Cup: *See*—
Battery cup.
Current-measuring arrangement. R. E. Pierce. 1,538,001; May 19.
Curtain-stretcher rod. W. R. Milner. 1,538,872; May 19.
Curtains, Releasing handle for vestibule. P. G. Emery. 1,538,545; May 19.
Cut-out switch. R. W. Randall. 1,538,213; May 19.
Cut-out switch, Thermostatic. R. W. Randall. 1,538,212; May 19.
Cutter: *See*—
Cigar cutter.
Cutter blade and making same, Composite. A. W. Davis. 1,538,028; May 19.
Davit arm. K. Dingertz. 1,538,782; May 19.
Dental injection tube. G. L. Grier. 1,538,798; May 19.
Dental plate. E. L. Dillman. 1,538,692; May 19.
Dental plates, Manufacture of. E. L. Dillman. 1,538,691; May 19.
Dental stoppings, Method and apparatus for effecting gold or tin. C. E. Luce. 1,538,832; May 19.
Derrick truck. H. C. Holloway and R. V. Dawney. 1,538,434; May 19.
Desk and lamp, Combined adjustable reading. J. S. Manchester. 1,538,198; May 19.
Desk pad. T. Genssmer. 1,538,795; May 19.
Diesel motor, Double-acting four-stroke. H. H. Blache. 1,538,267; May 19.
Differential. F. J. Herdle. 1,538,810; May 19.
Direction indicator. J. A. Mann. 1,538,715; May 19.
Direction signal. D. M. Sust. 1,538,673; May 19.
Dispatch systems, Power-control device for pneumatic-. J. G. Maciaren. 1,538,128; May 19.
Dispenser for cleaning and other fluids. J. F. Kasnicka and G. B. Efantis. 1,538,435; May 19.
Display device for automobiles. J. Rans. 1,537,965; May 19.
Display stand. G. Beer. 1,538,849; May 19.
Display stand for jacks. W. T. Walker. Des. 67,378; May 19.
Ditch-digging machine, Power-driven. A. Löken. 1,538,565; May 19.
Door and fastener therefor. J. F. O'Connor. 1,538,581; May 19.
Door-controlling means. W. J. Kemper. 1,538,044; May 19.
Door or gate, Automatic. M. Funders. 1,538,103; May 19.
Door puller, Grain-. A. Chandler. 1,538,024; May 19.
Door-retaining spring. E. A. Moran. 1,538,720; May 19.
Door structure, Sliding-. J. Schultz. 1,538,358; May 19.
Doors ajar, Safety device for holding. H. E. Soref. 1,538,599; May 19.
Doors, Securing and locking sliding. L. Counard. 1,538,242; May 19.
Dress. M. C. Schmolze. Des. 67,354; May 19.
Drier: *See*—
Warp drier.
Drier. A. C. Daman. 1,538,385; May 19.
Drier. A. O. Hurxthal and H. L. Galson. 1,538,701; May 19.
Drills, Apparatus for supporting and manipulating power. M. P. Stretausky. 1,538,142; May 19.
Drive mechanism. W. R. Cobb. 1,538,001; May 19.
Drying frame, Clothes-. F. G. Harvey and C. O'Connor. 1,538,185; May 19.
Duplicating machines, Inking device for. C. F. Green. 1,538,899; May 19.
Dust collector. S. Schiff. 1,538,357; May 19.
Dust eradicator for moving vehicles or buildings. L. Lindsay. 1,538,292; May 19.
Dusting machine. C. G. Allgrunn and K. Knapp. 1,538,779; May 19.
Dyeing articles, Machine for. F. Brown and G. Smith. 1,538,162; May 19.
Dyes, Diphenylidicarboxylic acid diazo. R. Stüsser. 1,538,414; May 19.
Dyes, Halogenated naphthazine. W. Herzberg, G. Hoppe, and H. Ohlendorf. 1,538,400; May 19.
Dyestuff, Disazo. W. Bergdolt and L. Hauck. 1,538,378; May 19.
Dyestuffs and making same, Vat. K. Wilke and J. Stock. 1,538,419; May 19.
Educational appliance. N. Y. Troldi. 1,538,529–30; May 19.
Eggs or the like, Coloring. M. Young. 1,538,367; May 19.
Elastic webbing. M. Kops. 1,538,826; May 19.
Electric attachment plug. R. V. Owen. 1,538,057; May 19.
Electric distant-control system. E. Granat. 1,538,546; May 19.
Electric furnace. E. L. Willson. 1,538,365; May 19.
Electric-impulse-producing mechanism. M. B. Richter. 1,538,354; May 19.
Electric machines, Construction for dynamo-. A. V. Livingston. 1,538,196; May 19.
Electric switch. C. M. Small. 1,538,666; May 19.
Electric switch. L. Stendahl. 1,538,671; May 19.
Electrical cable systems, Apparatus for measuring currents in. W. E. Bullard. 1,538,382; May 19.
Electrical cable systems, Method and apparatus for locating faults in. W. B. Bullard. 1,538,383; May 19.
Elevator shafts, Adjustable end thrust for. D. F. Minney. 1,538,573; May 19.
Elevator signal panel. P. S. Van Bloem. Des. 67,375–7; May 19.
Elevators, Sequence safety switch for. H. Waters. 1,537,977; May 19.
Embroidery hoop. G. A. Carlson. 1,538,462; May 19.
End gate, Double-acting. J. Stifter. 1,538,756; May 19.
Engine: *See*—
Internal-combustion engine. Reciprocating engine.
Engine connecting rods, Testing jig for. J. J. Hendricks. 1,538,186; May 19.
Engine-cooling system. C. A. DuPoy. 1,537,989; May 19.
Engine cylinders, Portable reboring machine for. F. T. Flinchbaugh. 1,538,317; May 19.
Engine-starting apparatus. J. Bijur. 1,537,932; May 19.
Engine valves, Device for the removal of internal-combustion-. G. J. and R. M. Morgan. 1,538,727; May 19.
Engines, Double-acting rotary valve for internal-combustion. A. J. Bodker. 1,538,313; May 19.
Engines, Piston for internal-combustion. C. R. Short. 1,538,874; May 19.
Engines, Starting device for internal-combustion. N. Herzmark. 1,538,700; May 19.
Engines, Steam and air injector for internal-combustion. M. R. Harbay. 1,538,039; May 19.
Envelope. S. S. Adams. 1,538,078; May 19.
Envelope. C. G. Heath. 1,538,699; May 19.
Evaporating apparatus. H. S. Mellott. 1,538,254; May 19.
Exerciser, Progressive. H. W. Titus. 1,538,844–5; May 19.
Eyelets, Machine for and method of setting blind and invisible. F. A. Rumney. 1,538,005; May 19.
Fabric: *See*—
Woven fabric.
Fabric and making same. W. G. Lindsay. 1,538,858; May 19.
Fabrics, Densometer for testing. F. B. Gallagher and W. M. Peckham. 1,538,793; May 19.
Fastener. E. J. Dooner. 1,538,314; May 19.
Fastener. E. M. Holmes. 1,538,401; May 19.
Feed collet. J. A. Mann. 1,538,442; May 19.
Feed-water heating and delivering apparatus. J. J. King. 1,538,045; May 19.
Feeding batteries, Floor and drop pan support for poultry. W. J. Stewart; 1,538,065; May 19.
Feeding device. J. Manofsky. 1,538,569; May 19.
Fender brace. R. Rasmussen. 1,538,653; May 19.
Fibrous material, Making. A. L. Clapp. 1,538,465; May 19.
Filing gauge, Coil-vibrator. W. F. Lucas. 1,538,710; May 19.
Films or paper, Nitrating regenerated cellulose. L. Lumiere. 1,538,294; May 19.
Filter, Air. P. H. Horton and C. R. Hose. 1,538,041; May 19.
Filter, Self-cleaning. J. A. Price. 1,538,742; May 19.
Finger-printing device. G. H. Watson. 1,538,767; May 19.
Fishing bait. V. R. Rindt. 1,538,658; May 19.
Fishing reel. J. D. Blagden. 1,538,377; May 19.
Fishing reel, Automatic. O. Daniels. 1,537,936; May 19.
Fishing tool, Well-. C. D. McCarty and J. W. Driggs. 1,538,406; May 19.
Flatiron. F. M. Vicek. 1,538,495; May 19.
Float and making same. C. F. Flemming. 1,538,789; May 19.
Float and sink testing apparatus. G. R. Delamater. 1,538,626; May 19.
Floors and the like on a concrete base, Laying wooden. C. W. Prickett. 1,538,743; May 19.
Flow meter. R. D. Buell. 1,538,164; May 19.
Flowerpot, Suspension. A. Bank. 1,538,081; May 19.
Flowerpots, Making molds for ornamented. A. Anderson and V. Axelson. 1,538,607; May 19.
Flue cleaner, Rotary. M. C. Hall. 1,538,698; May 19.
Fluid pressures, Means and method for governing. G. G. Earl. 1,538,427; May 19.
Fluid-proportioning apparatus. I. Landgaard. 1,538,643; May 19.
Flying machine. F. Schuh. 1,538,520; May 19.
Food casings, Handling. F. v. Brecht. 1,538,460; May 19.
Food warmer. A. S. Oldham. 1,538,738; May 19.
Football apparatus. C. B. Moran. 1,538,208; May 19.
Form holder. A. de Meurisse. 1,538,386; May 19.
Foundry apparatus. D. C. Mulvihill. 1,538,576; May 19.
Frame: *See*—
Drying frame. Saw frame.
Fuel economizer. F. Männsinger. 1,538,256; May 19.
Fuel, Weighing apparatus for powdered. F. Hoving. 1,538,115; May 19.

Fumigating applicator. R. M. Jackson. 1,538,855; May 19.
Funnel. E. L. Dailey. 1,538,171; May 19.
Furnace: *See*—
Electric furnace. Heating furnace.
Glass furnace. Roasting furnace.
Furnace. R. J. Potter. 1,538,489; May 19.
Furnaces heated by arcs, Protecting device for the cooling cylinders of the electrodes of. E. Krause. 1,538,286; May 19.
Fuse, Time. A. S. Miller. 1,538,131; May 19.
Game. W. W. Long. 1,538,833; May 19.
Game. C. S. Muir. 1,538,134; May 19.
Game. G. Strehlow. 1,538,307; May 19.
Game apparatus. F. Schulz. 1,538,449; May 19.
Game ball. C. E. Dillinger. 1,537,988; May 19.
Game, Card. V. D. Beatty. 1,538,156; May 19.
Game device. L. Winkel. 1,538,455; May 19.
Game, Indoor football. C. Head. 1,538,807; May 19.
Garage or storage building. S. C. Lancaster and C. O. Hjermstad. 1,538,341; May 19.
Garment, Belted. S. I. Goldstein. 1,538,632; May 19.
Garment box. R. F. Cuthbert. 1,538,424; May 19.
Garter. D. Hawes. 1,538,806; May 19.
Gas-analyzing device. O. Rodhe. 1,538,592; May 19.
Gases, Washing. A. J. Koehler. 1,538,335; May 19.
Gasoline-dispensing device. C. S. Fair. 1,538,102; May 19.
Gate: *See*—
End gate.
Gate. J. Adams. 1,538,018; May 19.
Gauge: *See*—
Filling gauge. Oil gauge.
Gear-shifting device, Automatic. H. C. Doolin. 1,538,387; May 19.
Gears, Tooth formation of internal. S. Holdener. 1,538,328; May 19.
Gearing. H. Synck. 1,538,524; May 19.
Gearing for instrument dials. L. W. Staunton. 1,538,523; May 19.
Gearing, Reduction. W. E. Sharkey. 1,538,008; May 19.
Gem. J. J. White. Des. 67,381–2; May 19.
Glass-feeding apparatus. F. O'Neill. 1,537,961; May 19.
Glass furnace. J. A. Reece. 1,538,215; May 19.
Glass furnace. J. P. Weaver. 1,538,229; May 19.
Glass furnaces, Floater for. H. S. Conklin. 1,538,169; May 19.
Glass, Plunger gathering of. F. O'Neill. 1,537,962; May 19.
Glass, Process and apparatus for forming sheet. H. K. Hitchcock. 1,538,327; May 19.
Glauconite, Treating. H. Kriegsheim and W. Vaughan. 1,538,247; May 19.
Glove. A. C. Ackerman. 1,538,262; May 19.
Gloves, Making. A. C. Ackerman. 1,538,263; May 19.
Glue or cement, Casein waterproof. A. A. Dunham. 1,537,939; May 19.
Goblet. V. Loomis. Des. 67,345; May 19.
Golf apparatus. W. M. Kennedy. 1,538,822; May 19.
Golf club. W. N. Beat. 1,538,312; May 19.
Golf club. M. B. Reach. 1,538,654; May 19.
Golf club. M. Tottie, 3d, and J. T. Patterson. 1,538,415; May 19.
Golf tee. F. P. Daughaday. 1,538,173; May 19.
Grain-hopper scale. J. P. Steedman. 1,538,403; May 19.
Grain-saving attachment. G. M. Sinclair. 1,538,665; May 19.
Grain separator. A. W. Sager. 1,538,660; May 19.
Grapefruit-coring implement. J. B. Grainge. 1,538,398; May 19.
Grate structure. D. S. Van Wagenen. 1,538,761; May 19.
Grease-cup-cover holder. F. E. Owen. 1,538,583; May 19.
Grease retainer. N. W. Trautner. 1,538,416; May 19.
Greaser, Griddle. E. A. Mosman. 1,538,575; May 19.
Grinding machine. A. A. Arnold. 1,538,506; May 19.
Grinding machine and process. H. Vanderbeek. 1,538,073; May 19.
Grinding machines, Water tank for. J. N. Heald. 1,538,553; May 19.
Grinding mill. W. Fowler. 1,538,791; May 19.
Grip. J. P. Ratigan. 1,538,259; May 19.
Gripping implement. I. J. Wisoff. 1,538,586; May 19.
Gun. G. B. Mead. 1,538,717; May 19.
Gun barrels, Carrying case for machine-. W. C. L. Haubrow. 1,538,112; May 19.
Guns, Combined barrel support and flash hider for. W. T. Gorton. 1,538,243; May 19.
Guns indirectly, Apparatus for determining the data for the laying of. A. Kooiman. 1,538,825; May 19.
Hair curler. B. L. Henry. 1,538,800; May 19.
Hairpin. K. F. W. Pettersson. 1,537,964; May 19.
Hammer, Centrifugal. G. P. Lucas. 1,538,831; May 19.
Handle: *See*—
Battery-box handle.
Handle connection. H. M. Sturgis. 1,538,145; May 19.
Handles, Forming sheet-metal. J. D. Lawrence and S. W. Nicholson. 1,538,438; May 19.
Harvester, Cotton. R. Bruton. 1,538,023; May 19.
Harvester, Vegetable. H. C. Niemeyer. 1,538,446; May 19.
Hasp lock. A. Lange. 1,538,708; May 19.
Hat. B. O. Mason. Des. 67,347; May 19.
Hat and the like, Felt. R. S. Tompkins. 1,538,072; May 19.
Hat, Reversible. R. C. Wheeler. 1,538,847; May 19.
Head Increaser, Fluid-operated. H. B. Taylor. 1,538,069; May 19.
Header attachment. J. A. Speer. 1,538,139; May 19.
Headlight. B. Hanson. 1,538,109; May 19.
Headlight, Automobile. A. Hoffman. 1,538,114; May 19.
Headlight-deflector device, Auto. C. A. Hartmann. 1,538,110; May 19.
Headlight, Dirigible. A. M. Haanstad. 1,538,548; May 19.
Headlight, Dirigible. B. S. Ward. 1,538,765; May 19.
Headlight lens. C. W. Duke. 1,538,172; May 19.
Headlight reflector, Combination. E. Whitaker. 1,538,013; May 19.
Headlight, Vehicle. E. Whitaker. 1,538,014; May 19.
Heater: *See*—
Automobile heater. Water heater.
Heater. A. H. Light. 1,538,857; May 19.
Heating and drying apparatus. W. B. Fulton. 1,538,105; May 19.
Heating furnace. G. H. Isley. 1,538,116; May 19.
Hectograph. J. D. Alexander. 1,538,154; May 19.
Heel blank, Cushion-. J. B. Hadaway. 1,538,086; May 19.
Heel, Cushion. J. C. Sherry. 1,538,063; May 19.
Hinge for windows and the like, Catch. R. Murray. 1,538,577; May 19.
Hinge, Motor-vehicle hood. G. Baty. 1,538,877; May 19.
Hinged connection. R. W. Kumler. 1,538,121; May 19.
Hob. E. Wildhaber. 1,538,770–2; May 19.
Hobbing blanks. E. Wildhaber. 1,538,773; May 19.
Holder. B. A. Muller. 1,538,728; May 19.
Holding device. E. E. Davis. 1,538,174; May 19.
Hoop: *See*—
Embroidery hoop.
Hose coupling and mender, Vacuum. J. C. Schellin. 1,538,007; May 19.
Hose supporter. E. P. Duffy. 1,538,098; May 19.
Hosiery-drying form. J. O. Von Stetten. 1,537,974; May 19.
Hydraulic press. J. J. Berrigan. 1,538,874–5; May 19.
Hydrocarbon burner. G. W. Wesche. 1,538,310; May 19.
Ice-cream-cone making machines, Trimming device for. L. Lewison. 1,537,993; May 19.
Illuminated sign for dispensing apparatus. W. F. Brandt. 1,538,236; May 19.
Implement-wheel scraper. L. G. Berquist. 1,537,981; May 19.
Incinerators, Charging-hole closure for. G. F. Lenk. 1,538,291; May 19.
Incubator. B. Johnson. 1,538,285; May 19.
Indicator: *See*—
Direction indicator. Temperature indicator.
Inflatable ball. F. A. Buechner. 1,538,163; May 19.
Inkwell. W. A. Bass. 1,538,232; May 19.
Insect destroyer. E. Smajstrla. 1,538,221; May 19.
Insulated spark-plug connecter. E. F. Wiederboldt. 1,538,230; May 19.
Insulating material, Thermal. J. K. Toles. 1,538,228; May 19.
Insulator knobs, Machine for assembling. A. Carpenter. 1,538,288; May 19.
Insulator, Pole-line. A. F. Emmons. 1,538,428; May 19.
Internal-combustion engine. J. Romeyn. 1,538,504; May 19.
Internal-combustion motor. H. A. Nordwick and P. J. Marchetti. 1,538,208; May 19.
Iron and steel, Making. T. Miyaguchi. 1,537,997; May 19.
Ironing-board cover. M. E. Merrick. 1,538,722; May 19.
Ironing machine. C. E. Waream. 1,537,976; May 19.
Jack. F. H. Goodrich. 1,538,397; May 19.
Jack system, Hydraulic-. W. G. and R. S. Chappell and S. C. Smith. 1,538,167; May 19.
Jar: *See*—
Packing jar.
Jar wrench, Fruit-. W. F. Long. 1,538,642; May 19.
Joint: *See*—
Rail joint.
Joint breaker. F. J. Hinderliter. 1,538,636; May 19.
Kerosene, Deodorizing. W. Kritchevsky and H. C. Prutsman. 1,538,287; May 19.
Key case. B. Rolfs. 1,538,593; May 19.
Knife and brush hook, Briar. J. C. Raney. 1,538,300; May 19.
Label-affixing apparatus. G. A. Dostal. 1,538,388; May 19.
Lace, Machine-braided. E. Bösebeck. 1,538,160; May 19.
Lace with netlike groundwork. E. Benté and P. Stuhlmann. 1,538,158; May 19.
Lacing means. S. Trawinski. 1,538,454; May 19.
Lamp. C. Bell. Des. 67,334; May 19.
Lamp base. L. Severus. Des. 67,356; May 19.
Lamp base. L. Severus. Des. 67,368–73; May 19.
Lamp bracket. T. W. Robison. 1,538,069; May 19.
Lamp for motor road vehicles. W. F. M. Rose. 1,538,301; May 19.
Lamp shade. H. J. York. 1,538,152; May 19.
Lamp-shade support. A. J. Carmichael and J. R. Peterson. 1,538,543; May 19.

Lamp-shade support. W. C. Greist, A. J. Carmichael, and J. R. Peterson. 1,538,547; May 19.
Lamp socket. E. W. McIntyre. 1,538,567; May 19.
Lamp structure. D. H. Deery. 1,538,175; May 19.
Lamps, Focusing device for automobile. C. A. Michel. 1,538,407; May 19.
Lamps, Indicator for automobile. D. H. Deery. 1,538,176; May 19.
Lamps, Light indicator for automobile. D. H. Deery. 1,538,177; May 19.
Latch, Automatically-releasing cotton-press. J. A. Streun. 1,538,362; May 19.
Latch, Gate. J. B. Olson. 1,538,056; May 19.
Lathering device. G. W. Peterson. 1,538,741; May 19.
Laundry tub. E. O. Waradorff. 1,538,766; May 19.
Lawn roller. H. B. Hamilton. 1,538,550; May 19.
Leers, Transferring ware to. R. La France. 1,538,248; May 19.
Lens, Bifocal. M. A. Laabs and H. W. Hill. 1,538,813; May 19.
Lens blocking. A. Pellow. 1,538,651; May 19.
Lens-grinding apparatus. H. W. Hill. 1,538,811; May 19.
Lens-grinding machine. C. L. Bausch. 1,538,019; May 19.
Life belt. S. H. Hahn and F. Morse. 1,538,484; May 19.
Lifter. J. Baeumle. 1,538,507; May 19.
Light deflector. J. McElliott. 1,538,644; May 19.
Light screens, Holder for colored. P. J. Timberlake. 1,538,528; May 19.
Lighting fixture. W. E. Cochran. 1,538,422; May 19.
Lighting-fixture spindle. L. Severus. Des. 67,337–62; May 19.
Lighting-fixture spindle. L. Severus. Des. 67,364; May 19.
Lighting-fixture spindle. L. Severus. Des. 67,366–7; May 19.
Lighting standard. H. O. Rastetter. Des. 67,352; May 19.
Lingual-bar pattern. F. Tavi. 1,538,068; May 19.
Liquid-container tap. M. A. Darrow. 1,538,273; May 19.
Liquid-cooling dispensing device. F. C. Grantham. 1,538,483; May 19.
Liquid-measuring device. J. Rath. 1,538,214; May 19.
Liquids into uniform drops, Device for converting. A. O. Obersohn, W. Wachtel, D. Sakom, and P. Askenasy. 1,538,730; May 19.
Liquids, Purifying. E. Ricard. 1,538,003–4; May 19.
Lock: *See*—
Battery-switch lock. Plate lock.
Circuit-breaker lock. Portable lock.
Combination lock. Tire lock.
Hasp lock. Window lock.
Lock. A. Gertsfeld. 1,538,283; May 19.
Lock structure. W. R. Hoyt. 1,538,556; May 19.
Lock washer. E. A. Johnson. 1,538,559; May 19.
Lock-washer tool and socket wrench, Combination. H. R. Newquist. 1,538,347; May 19.
Locomotive attachments, Sand-delivering mechanism for tractor-. J. H. Clark. 1,538,984; May 19.
Locomotive, Electric. J. P. Shamberger and C. H. Slayton. 1,538,137; May 19.
Longue, Chaise. B. P. Burns. 1,538,617; May 19.
Loom. E. A. Cunniff. 1,538,624; May 19.
Loom. A. H. McCarrel. 1,538,835; May 19.
Loom shuttle, Automatically-threading. P. Kavanagh. 1,538,689; May 19.
Looms, Automatically-threading shuttle for. E. S. Stimpson. 1,538,224; May 19.
Looms, Beam lock for. J. Northrop. 1,538,729; May 19.
Looms, Harness mechanism for. C. H. Draper. 1,538,097; May 19.
Looms, Stop motion for. J. Northrop. 1,538,053; May 19.
Looms, Take-up mechanism for. W. E. Beasley. 1,538,234; May 19.
Looms, Warp stop mechanism for. H. A. Davis and A. S. Johnson. 1,538,625; May 19.
Loop antenna. E. B. Scribner. Des. 67,355; May 19.
Macaroni or similar article. G. Banucci. Des. 67,251; May 19.
Mail box. H. Krick. 1,538,871; May 19.
Mail receptacle. C. A. Rastetter. 1,538,591; May 19.
Mailing device. C. E. McCormick. 1,538,712; May 19.
Manure loader. J. W. Harris. 1,538,553; May 19.
Mason's and plasterer's tool. O. and C. C. Taylor. 1,538,603; May 19.
Match machine. M. Paridon. 1,538,586; May 19.
Meats, milk, vegetables, fruits, and other edibles, Preserving. B. Akiyama. 1,538,369; May 19.
Medicament-injecting tube. G. L. Grier. 1,538,797; May 19.
Medicator. E. Gearon. 1,537,992; May 19.
Merry-go-round, Child's. G. E. Smith. 1,538,753; May 19.
Metal-bending machine. C. M. Yoder. 1,538,540; May 19.
Metal-extracting machine. A. Koch. 1,538,834; May 19.
Metallic composition. E. F. Kingsbury. 1,538,246; May 19.
Meter: *See*—
Flow meter.
Milking machine. H. C. Oden. 1,538,732–3; May 19.
Milking machine. H. C. Oden. 1,538,735–6; May 19.
Milking-machine apparatus. H. C. Oden. 1,538,734; May 19.
Milking machines, Teat cup for. H. C. Oden. 1,538,731; May 19.
Mill: *See*—
Grinding mill.
Milling cutters, Making. P. F. Vokal. 1,538,763; May 19.
Mills, Plate-lifting mechanism for rolling. T. McCabe. 1,538,251; May 19.
Mine, Explosive. J. J. Duffie. 1,538,316; May 19.
Mines, Thermomicrophonic firing device for submerged. J. J. Duffie. 1,538,315; May 19.
Mining machine. F. Cartlidge. 1,538,684–5; May 19.
Mirror bracket, Windshield. W. La Hodny. 1,538,339–40; May 19.
Mirrors and the like, Mounting for. W. La Hodny. 1,538,338; May 19.
Missile, Adherent. M. B. Krusi. 1,538,640; May 19.
Mixing machines and the like, Stock guide for the rolls of. L. V. Dixon. 1,538,179; May 19.
Moccasin. J. F. Foster. 1,538,104; May 19.
Modulator. R. C. Bohannan. 1,537,982; May 19.
Mold: *See*—
Concrete mold.
Mold. R. J. Owen and H. D. Rindsberg. 1,538,584; May 19.
Mold for forming steps. C. A. Thrasher and C. R. Owen. 1,538,604; May 19.
Molding dies, Collapsible. L. G. Copeman. 1,538,471; May 19.
Motor: *See*—
Diesel motor. Internal-combustion motor.
Motor-control system. H. V. Nye. 1,538,209; May 19.
Motor-driven compressor, Electric. G. J. Spohrer. 1,538,754; May 19.
Motor stators, Method and apparatus for placing windings in. A. B. Herrick. 1,538,187; May 19.
Motors, Governor for internal-combustion. R. Hufford. 1,537,943–5; May 19.
Mower, Lawn. G. F. Bull. 1,538,381; May 19.
Mowers, Guard and ledger plate for. V. W. Fry. 1,538,282; May 19.
Mowing machine, Railway-bed-. W. E. Harris. 1,538,805; May 19.
Music-leaf turner. H. Andrieu. 1,538,608; May 19.
Music stand. E. Thimgren. 1,538,674; May 19.
Neck-shaving guard. W. C. Bridges. 1,538,614; May 19.
Necktie holder. M. W. Hammer. Des. 67,342; May 19.
Nicotine from tobacco, Recovering. R. B. Arnold. 1,538,265; May 19.
Nutcracker frame. W. H. Bagby. Des. 67,329; May 19.
Oil burner. T. A. Biggs. 1,538,083; May 19.
Oil, Dehydrating H. F. Owen. 1,538,739; May 19.
Oil gauge. E. H. Rosenblad. 1,538,748; May 19.
Oil gauge, Illuminated. N. T. Albright. 1,538,264; May 19.
Oil separator. E. Wilson. 1,538,150; May 19.
Oils and fats, Neutralizing. J. Bergier. 1,538,509; May 19.
Ovens, Conveyer for enameling. J. R. Wald. 1,538,764; May 19.
Overall suspender strap and manufacturing same. G. C. Beichl. 1,538,611; May 19.
Packaging cheese. E. F. Hulbert. 1,538,245; May 19.
Packing and preserving fruits and other food products and commodities. C. C. Dula. 1,538,277; May 19.
Packing jar. G. H. Krause. 1,538,706; May 19.
Packing ring. J. A. Le Blanc. 1,538,290; May 19.
Pad: *See*—
Desk pad.
Padded washer. L. J. Barwood. 1,538,156; May 19.
Padlock. S. R. Fraim. 1,538,033; May 19.
Pail, Milk. E. A. Gallagher. 1,538,480; May 19.
Paintbrush. A. Braunstein. 1,538,380; May 19.
Pallet. A. J. Bentley. 1,538,372; May 19.
Paper. T. L. Stone. Des. 67,374; May 19.
Paper and other fabrics and manufacturing same, Hardening and preserving composition for. W. E. Oliver. 1,537,960; May 19.
Paper basin. C. H. Windsor. 1,538,016; May 19.
Paper dishes, Making. E. G. Maxwell. 1,538,199; May 19.
Paper hinge. W. A. Lorenz. 1,538,249; May 19.
Paper-making machine. A. Aldrich. Re16,075; May 19.
Paper, Manufacture of. F. Olander and V. Moisio. 1,538,582; May 19.
Paper, Method of and apparatus for making multiple-ply. E. B. Fish. 1,538,788; May 19.
Paper, Process of and apparatus for weighing. J. B. Buehler and C. J. Kern. 1,538,615; May 19.
Paper rolls and other articles, Truck for handling. C. E. Cochran. 1,538,168; May 19.
Papers, cards, and like articles, Machine for arranging. S. P. Vivian. 1,538,762; May 19.
Pattern: *See*—
-Crochet pattern. Lingual-bar pattern.
Pattern and method of publication. H. Collins. 1,537,985; May 19.
Pavement-making device. W. C. Burrell. 1,538,619; May 19.
Pedal, Antifriction accelerator. E. B. Campbell. 1,538,088; May 19.

Pen, Fountain. E. Sakssni. 1,538,006; May 19.
Penholder. J. J. Boyle. 1,538,459; May 19.
Pencil attachment. J. Liljeqvist. 1,538,641; May 19.
Pencil, pen, and flash light, Combined. A. Olsen. 1,538,055; May 19.
Penduiet. L. Severus. Des. 67,363; May 19.
Penduiet. L. Severus. Des. 67,365; May 19.
Perfumes, etc., Container for. A. Francis. 1,538,631; May 19.
Phonograph, Portable. S. Davidson. 1,538,690; May 19.
Phonographs, Record-changing mechanism for. B. D. Smith. 1,538,667; May 19.
Photograph or film and producing same, Color. F. E. Ives. 1,538,816; May 19.
Photographs and preparing the same, Solution for treating. C. R. Reierson. 1,538,852; May 19.
Photographs, Coloring. C. R. Reierson. 1,538,851; May 19.
Piano action. H. F. Schenuit. 1,538,302; May 19.
Picture machine, Safety attachment for motion-. R. Fine. 1,538,391; May 19.
Picture reels, Meter and signal for moving-. F. Bonk, jr. 1,538,510; May 19.
Pipe: *See*—
Pitch pipe. Tobacco pipe.
Pipe sleeve, Vent-. J. Hirshstein. 1,538,433; May 19.
Pipe-supporting means and more especially to pipe lifters. P. J. Garvin. 1,538,867; May 19.
Pipe wrench. A. Burkman. 1,538,616; May 19.
Pipes, Coupling connection to hose. J. Gane. 1,538,395; May 19.
Piston. B. J. Minnier. 1,538,132; May 19.
Piston and piston ring. H. Kistner. 1,538,120; May 19.
Piston ring. P. Campbell and U. J. Banks. 1,538,688; May 19.
Piston ring. C. H. Taylor. 1,538,758; May 19.
Piston ring and making the same. H. A. Giller. 1,538,107; May 19.
Pitch pipe. W. Kratt. 1,538,336; May 19.
Plaster board, Machine for cutting. G. A. Buttress. 1,538,086; May 19.
Plaster board, Making. G. A. Buttress. 1,538,087; May 19.
Plastic mold form structure. A. C. Wells. 1,538,496; May 19.
Plate lock. J. Gullong. 1,538,320; May 19.
Playground apparatus. J. Cook. 1,538,272; May 19.
Plow, Ditching. F. E. Duncan. 1,538,009; May 19.
Plug, Attachment. S. McClatchie. 1,538,197; May 19.
Plumb bob. C. P. Reneau. 1,538,746; May 19.
Plumbing fixture. H. Roth. 1,538,216; May 19.
Pneumatic tool. A. Levedahl. 1,538,194; May 19.
Pocketbook or hand bag. M. J. Marymont. 1,538,518; May 19.
Portable lock. J. A. Mark. 1,538,050; May 19.
Pot: *See*—
Flowerpot.
Power attachment for hand stocks and pipe dies, Portable. S. C. Doehring. 1,538,096; May 19.
Press: *See*—
Hydraulic press. Toggle press.
Printing press.
Press. J. J. Berrigan. 1,538,376; May 19.
Presses, Clutch-controlling device for. J. J. Kirwin. 1,538,046; May 19.
Presses, Stock-controlled feed for. F. J. Littell and W. N. Thode. 1,538,440; May 19.
Pressing and cleaning apparatus. J. J. Zuruk-Zurinsky. 1,538,077; May 19.
Printed fabric. C. E. Gilman. Des. 67,340–1; May 19.
Printed matter, Machine for applying powder to. H. H. Jessen and E. F. Marceau. 1,538,637; May 19.
Printing plate, Bendable. P. Focke. 1,538,182; May 19.
Printing press. C. J. Wright. 1,537,979; May 19.
Printing press, Plate. C. J. Gutberlet. 1,538,323; May 19.
Printing press, Web-. H. A. W. Wood. 1,538,151; May 19.
Printing tickets, Machine for. T. K. Stamatson. 1,538,361; May 19.
Propeller, Boat. B. G. Harley. 1,538,802; May 19.
Puller: *See*—
Clutch-disk-drum puller. Weed puller.
Door puller.
Pulpwood-chipping machine. L. H. Street. 1,538,060; May 19.
Pump coupling or the like. M. C. Schweinert. 1,538,062; May 19.
Pump, Force. F. S. Cass. 1,538,166; May 19.
Pump, Rotary. A. Wahle. Re16,074; May 19.
Pump structure, Sprayer-. H. E. Brandt. 1,538,021; May 19.
Pump, Tire. P. Pascucci. 1,538,488; May 19.
Pump, Vane. S. G. Wingquist. 1,538,075; May 19.
Pumps, Indicator for feed-water. C. S. Cole. 1,538,423; May 19.
Puzzle. A. J. Shea. 1,538,359; May 19.
Puzzle. O. E. Wheaton. 1,538,768; May 19.
Pyrotechnic article. H. B. Faber. 1,538,785; May 19.
Pyroxylin composition. W. G. Lindsay. 1,538,861; May 19.
Rack: *See*—
Container rack. Vehicle work rack.
Radiator. A. Lamblin. 1,538,827; May 19.
Radio and phonograph cabinet construction, Combined. M. Stettner. 1,538,755; May 19.
Radiocabinet. W. H. Dewar. Des. 67,339; May 19.
Radiocabinet. A. O. Price. Des. 67,350; May 19.
Radiocabinet and loud speaker, Combined. J. S. Watters. Des. 67,379–80; May 19.
Radioreceivers, Stray elimination in. F. K. Vreeland. 1,537,975; May 19.
Radio sets, Portable amplifier for. H. P. Porter. 1,538,865; May 19.
Raft and rafting device, Log. G. G. and M. J. Davis. 1,538,475; May 19.
Rail, Guard. H. C. Stiff. 1,538,672; May 19.
Rail joint. C. A. Alden. 1,537,981; May 19.
Rail joint. C. E. Neubauer. 1,538,000; May 19.
Rail joint. A. M. Riffle. 1,538,657; May 19.
Railway-traffic-controlling apparatus. L. F. Howard. 1,538,555; May 19.
Railway-traffic-controlling apparatus. L. V. Lewis. 1,538,047; May 19.
Rands to heels, Attaching. R. M. Teetsel. 1,538,526; May 19.
Rat trap. J. D. Monie. 1,538,201; May 19.
Rat trap. M. Taylor and H. G. Boward. 1,538,308; May 19.
Razor, Corn. E. H. Ansheim. 1,538,498; May 19.
Razor, Safety. A. E. Ginsberg. 1,538,850; May 19.
Receptacle and closure therefor. J. L. Dunnock. 1,538,848; May 19.
Reciprocating engine. J. McKechnie. 1,538,342; May 19.
Reciprocating mechanism. C. N. Teetor. 1,538,525; May 19.
Record of information, Inclosing and readily displaying when required a. R. G. Thomas and B. Elliott. 1,538,071; May 19.
Reel: *See*—
Fishing reel.
Refrigerating apparatus. J. G. De Remer. 1,537,937; May 19.
Refrigerating device. R. B. Musser. 1,538,206; May 19.
Refrigerating machine. F. J., H. R., and G. A. Humphrey. 1,538,486; May 19.
Refrigerating tank. F. Meyer. 1,538,130; May 19.
Refrigerator. L. G. Copeman. 1,538,469; May 19.
Refrigerator door. L. G. Copeman. 1,538,470; May 19.
Refrigerator doors, Casting. L. G. Copeman. 1,538,468; May 19.
Refrigerators, Molding the shells of. L. G. Copeman. 1,538,467; May 19.
Regulating apparatus. S. S. Amdursky. 1,538,606; May 19.
Rescaling trap. H. J. Luff. 1,537,964–5; May 19.
Retort, Multiple-unit. G. M. Gorden. 1,538,796; May 19.
Retort, Rotary. J. W. H. Randall. 1,538,490; May 19.
Rim, Demountable. F. Tworek. 1,537,972; May 19.
Ring: *See*—
Packing ring. Piston ring.
Ring. S. Hyman. Des. 67,343; May 19.
Ring construction. J. A. Sweitzer. 1,538,452; May 19.
Roasting furnace. L. Geschwind. 1,538,794; May 19.
Rock-drilling apparatus. O. E. Clark. 1,538,421; May 19.
Rod: *See*—
Curtain-stretcher rod. Sucker rod.
Roll, Crushing. G. Johnston. 1,538,703; May 19.
Roller: *See*—
Lawn roller.
Rope guide. F. H. Howard. 1,537,942; May 19.
Rubber heel. L. Kaplan. 1,538,332; May 19.
Rubber, Manufacture of. P. Schidrowitz, W. Feldenheimer, and W. W. Plowman. 1,538,060; May 19.
Rubber vulcanization. J. Young. 1,538,076; May 19.
Rust-preventing composition. A. Sykes. 1,538,067; May 19.
Sash operator and latch, Storm-. J. L. Killion. 1,538,823; May 19.
Saw, Drag. L. A. G. Asselin. 1,537,980; May 19.
Saw for trees, Cable. P. J. Lucich. 1,537,953; May 19.
Saw frame, Adjustable-handle hack-. A. W. Amsden. 1,538,501; May 19.
Saw jointer, Crosscut-. J. Thunborg. 1,538,227; May 19.
Sawing machine, Reciprocating. J. Canning. 1,538,512; May 19.
Scale. H. M. Cameron. 1,538,461; May 19.
Scale and surface defects from steel while being rolled hot, Device for removing. J. L. Smith. 1,538,804; May 19.
Scow, Self-dumping. P. Vincent. 1,538,012; May 19.
Screen: *See*—
Window screen.
Screen. C. S. Smith. 1,538,222; May 19.
Screw-driving bit. A. Levedahl. 1,538,195; May 19.
Screw machines, Rod-feeding chuck for automatic. G. J. Kalberer. 1,538,638; May 19.
Sealing machine. D. R. Robinson. 1,538,747; May 19.
Seat: *See*—
Bicycle and motor-cycle seat.
Self-operating cap. J. C. Lyman and J. W. Jones. 1,538,295; May 19.
Separator: *See*—
Grain separator. Oil separator.

Sewing machine. E. J. Ray. 1,538,744; May 19.
Sewing machine, Shoe-. T. H. Seely. 1,538,752; May 19.
Shackle, Spring. P. A. Noble. 1,538,648; May 19.
Shade holder, Spring. A. Lasky. 1,538,850; May 19.
Shank stiffener. E. Seavey. 1,538,751; May 19.
Shears, Bloom. J. Hahn. 1,538,625; May 19.
Sheave blocks, Balancing device for. B. S. Minor. 1,538,051; May 19.
Sheet-feeding machine. J. T. Hale. 1,538,184; May 19.
Sheet-metal blanks, Cutting and stacking. J. B. Gunter. 1,538,322; May 19.
Shingle lock clip. B. C. Kreidler and J. C. Boyle. 1,537,952; May 19.
Shingles, Device for fastening roofing. A. L. Bell and F. A. Browne. 1,538,235; May 19.
Shingles, Retainer for strip. H. H. Honigbaum. 1,538,329; May 19.
Shock absorber. J. H. Hopper and E. O. Hugg. 1,538,186; May 19.
Shock-absorbing device. P. A'Tynn. 1,538,737; May 19.
Shoe stand, Disappearing. F. W. Thackeray and J. E. Milliken. 1,538,309; May 19.
Shoe-tongue holder. L. Chicoine. 1,538,688; May 19.
Shoe, Welt. H. W. Crooker. 1,538,514; May 19.
Shuttle feed stem head. J. J. Higgins. 1,538,432; May 19.
Sifter, Centrifugal. S. Schiff. 1,538,356; May 19.
Sifter and lightener, Flour. M. Beverly. 1,538,020; May 19.
Sifting device. O. C. Hoff. 1,538,814; May 19.
Sign. W. Zinger. 1,538,675; May 19.
Sign, Illuminated. M. Norden. 1,538,348; May 19.
Signal: *See*—
Direction signal.
Signal. H. R. Borchardt. 1,538,378; May 19.
Signal-device-operating mechanism. H. S. Smith. 1,538,010; May 19.
Signal-light casing. W. F. Neubeck. Des. 67,349; May 19.
Signaling, Electrical. L. Cohn and J. O. Mauborgne. 1,538,466; May 19.
Signaling, Electrical. L. Cohen and J. O. Mauborgne. 1,538,570; May 19.
Signaling system, Multiplex. M. B. Long. 1,538,048; May 19.
Silo. A. I. Anderson. 1,538,780; May 19.
Silo cover. J. S. Neher. 1,538,579; May 19.
Skate wheel. H. Casler. 1,538,268; May 19.
Skirt marker. L. B. Smith. 1,538,305; May 19.
Skylight. A. M. James. 1,538,817; May 19.
Slabs, Machine for grinding and polishing. J. Carrie. 1,538,463; May 19.
Smoke, Device for abating. P. J. Shomer. 1,538,597; May 19.
Snap fastener. S. C. Pearson. 1,538,350; May 19.
Soap-molding machine. M. L. Crouch. Re16,076; May 19.
Soap shredder. G. E. Barnett. 1,538,609; May 19.
Soda-lime composition of matter useful as a gas absorbent. W. Peacock and D. Gray. 1,538,650; May 19.
Soldering or welding of aluminum, Powder for the autogenous. P. Rossi. 1,538,355; May 19.
Sound-producing apparatus or electromagnetic receiving or emitting device. L. Gaumont. 1,538,819; May 19.
Sound recording and reproducing machine. H. A. Rogers. 1,538,866; May 19.
Spacing table. E. G. Daniels. 1,538,474; May 19.
Spark plug. A. Champion. 1,538,870; May 19.
Spark plug. F. Dumbovich. 1,537,988; May 19.
Spark plug. F. F. Gebhardt. 1,538,517; May 19.
Spark plug. W. B. O'Brien. 1,538,590; May 19.
Spark plug. S. Scognamillo. 1,538,750; May 19.
Speed control of electric motors, Apparatus for automatic. J. L. Kimball. 1,538,824; May 19.
Speed mechanism, Variable-. W. J. Oates. 1,538,849; May 19.
Spherical bodies, Machine for forming. H. M. Jenkins. Re16,077; May 19.
Sponge device, Bath-. C. Petersen. 1,538,740; May 19.
Spotlamp. C. D. Ryder. 1,538,400; May 19.
Spring: *See*—
Air spring. Door-retaining spring.
Spring device. L. M. McGeorge. 1,537,994; May 19.
Staging and clamp for the erection thereof. W. Schroeder. 1,538,505; May 19.
Stamp-affixing device. G. S. Rider. 1,537,967; May 19.
Stamp pad, Self-inking. E. Colville, jr. 1,538,241; May 19.
Stand: *See*—
Display stand. Shoe stand.
Music stand. Switch stand.
Statuary and constructing same, Stone. A. A. Lyon. 1,538,711; May 19.
Steel, Treating. H. Shiokawa. 1,538,411; May 19.
Steering mechanism. B. H. Ambal. 1,538,497; May 19.
Steering-wheel marker. C. A. Hull. 1,538,854; May 19.
Steering wheels, Adjustable locking device for. C. A. Hasberg. 1,538,852; May 19.
Steering wheels, Cover for automobile. H. G. Trench and W. C. Osborn. 1,538,147; May 19.
Steering wheels, Lock for automobile. J. E. Erdey and H. E. Kerr. 1,538,478; May 19.
Stock and hay rack, Combination. J. J. Stromberg. 1,538,148; May 19.
Stoneworking machine. D. Collins. 1,538,622–3; May 19.
Storage battery. D. R. Toomay. 1,538,146; May 19.
Store front. P. O. Kuehn. 1,538,288; May 19.
Studs, nipples, and similar articles, Machine for manufacturing. F. N. Ross. 1,538,659; May 19.
Sucker rod. D. R. Dale. 1,538,093; May 19.
Sucker-rod wrench and elevator, Combination. G. A. Stafford. 1,538,413; May 19.
Suit, Combination child's. M. D. MacKinnon. Des. 67,346; May 19.
Sulphur, Extraction of. A. Mittasch and F. Winkler. 1,538,574; May 19.
Sulphur from its ore, Method and apparatus for extracting. J. A. Price. 1,538,569; May 19.
Sump net. J. J. Matz. 1,538,253; May 19.
Supporting bracket. E. Martinez. 1,538,252; May 19.
Suppository injector. J. S. Blinn. 1,538,678–9; May 19.
Surgical injector. H. Fischer. 1,538,032; May 19.
Swage shaper. J. F. Pribnow and N. W. Soderis. Re16,072; May 19.
Sweeper, Suction. F. W. Straehle and W. D. Lee. 1,538,226; May 19.
Swimmer's appliance. J. Reiter. 1,538,492; May 19.
Swimming device. B. Di Lauro. 1,538,627; May 19.
Swimming device. R. di Renzo. 1,538,544; May 19.
Swing. J. Klicker. 1,538,189; May 19.
Swing, Porch. O. Garrett. 1,538,396; May 19.
Swing, Porch. E. H. Talbert. 1,538,601; May 19.
Switch: *See*—
Conveyer switch. Electric switch.
Cut-out switch.
Switch mounting. V. R. Despard. 1,538,274; May 19.
Switch receptacle, Table-. R. B. Benjamin. 1,538,157; May 19.
Switch stand. N. B. Salsich. 1,538,448; May 19.
Switching mechanism. O. F. Forsberg. 1,538,429; May 19.
Table: *See*—
Camper's table. Spacing table.
Table. F. Hagemann. 1,538,037; May 19.
Table guard, Power-. I. F. Webb. 1,538,534; May 19.
Tag holder. B. F. Bastian. 1,538,233; May 19.
Take-off mechanism. O. O'Neill. 1,537,963; May 19.
Tamper, Road. W. R. Thomas. 1,538,527; May 19.
Tank: *See*—
Refrigerating tank. Vacuum tank.
Tanning hides. F. C. Atkinson. 1,538,504; May 19.
Teeing stand for golf courses. C. M. Wood. 1,538,537; May 19.
Telephone repeater equipment. G. Crisson and S. P. Shackleton. 1,537,986; May 19.
Telephone system. A. E. Stevens. 1,538,141; May 19.
Temperature indicator. M. C. White. 1,538,418; May 19.
Temperature-sensitive bulb. F. J. Bast. 1,538,610; May 19.
Tent. A. W. Skoz. 1,538,064; May 19.
Textile fabric. R. Cocking. Des. 67,338; May 19.
Textile fabrics, Manufacture of. H. Dreyfus. 1,538,090; May 19.
Thrashing machines, Grain-saving accessory for. L. W. Bell. 1,538,676; May 19.
Threads, filaments, and the like from viscose, Manufacture and production of. C. F. Cross. 1,538,689; May 19.
Thermometer. E. N. Hurlburt. 1,538,042; May 19.
Thermometer holder. C. W. Meinecke and E. Johnson. 1,538,571; May 19.
Tie. T. F. Kennedy. 1,538,821; May 19.
Tie holder and collar fastener. W. McMeans. 1,538,713; May 19.
Tie mount and carrier. J. W. White. 1,538,769; May 19.
Tile line, Subsoil. W. R. Smith. 1,538,669; May 19.
Timer. H. W. Muhleisen. 1,538,869; May 19.
Tire chain. F. A. Smith. 1,538,668; May 19.
Tire chains, Connecting and locking device for. H. St. Pierre. 1,538,011; May 19.
Tire, Emergency. R. Trullinger. 1,538,148; May 19.
Tire lock. T. D. Stanley. 1,538,842–3; May 19.
Tire mounting and demounting apparatus. H. D. Stevens. 1,538,875; May 19.
Tires, Inner arch for pneumatic. W. J. P. Moore. 1,538,202; May 19.
Toaster. J. M. Harris. 1,538,551; May 19.
Toasting machine. H. S. Morrison. 1,538,884; May 19.
Tobacco-firing device. B. S. Street and S. R. Glenn. 1,538,280; May 19.
Tobacco pipe. J. Bachmann. 1,538,458; May 19.
Tobacco-stemming machine. P. G. Schofield. 1,538,662; May 19.
Toggle press. A. H. Schloz. 1,538,061; May 19.
Tongs. J. S. Forney. 1,538,790; May 19.
Tool holder. W. F. Marshall. 1,537,957; May 19.
Tool holder. J. W. Stanley. 1,538,670; May 19.
Torch-burner construction. O. J. Groehn. 1,538,634; May 19.
Toy. J. Lustig, jr. 1,538,566; May 19.
Toy, Air-operated. C. Koshalko. 1,538,562; May 19.
Toy, Bouncing. A. R. Kay. 1,538,704; May 19.
Toy, Exploding. H. L. Adams. 1,538,778; May 19.
Toy, Friction. R. B. Munday. 1,538,205; May 19.
Toy, Gravitational. W. E. Sears. 1,538,217; May 19.

Toy, Mechanically-operated dancing. T. R. Arden. 1,538,541; May 19.
Toy or game, Magnetic. A. A. Thomas. 1,538,453; May 19.
Track brace. T. H. Edelblute. 1,538,630; May 19.
Track liner. B. Wolhaupter. 1,538,775–6; May 19.
Tractor. H. F. Snyder. 1,537,969; May 19.
Tractors, Automatic clutch release for. G. H. Triftshauser. 1,538,417; May 19.
Tractors, Coupling or hitch for. S. L. Swindall. 1,538,757; May 19.
Trailer. C. H. Mueller. 1,538,062; May 19.
Train control, Automatic. C. D. Duke. 1,538,784; May 19.
Trap: *See*—
Animal trap. Resealing trap.
Rat trap.
Tray, Display. E. I. Rogers, jr. Des. 67,353; May 19.
Trees for coloring the wood, Apparatus for preparing living. O. Reimann. 1,538,745; May 19.
Truck. E. Ohnstrand. 1,538,054; May 19.
Truck bodies, Removable cover for. Q. M. Crockett and O. Day. 1,538,384; May 19.
Truck cab. E. C. Morine. 1,537,957; May 19.
Truck, Dump. A. B. McKinley and A. Hurley. 1,538,127; May 19.
Truck-turning apparatus. E. C. Gledhill. 1,538,694; May 19.
Trucks, Knockdown body for automobile. L. I. Heintz. 1,538,324; May 19.
Tub: *See*—
Laundry tub.
Tube: *See*—
Dental injection tube. Medicament-injecting tube.
Tubes, Apparatus for making seamless. M. W. Kellogg and E. F. Holinger. 1,538,118; May 19.
Type billing machine, Drum-. J. R. Johnson. 1,538,117; May 19.
Typewriting machine. J. A. Wherry. 1,538,074; May 19.
Undergarments, Combination. M. K. Lamping. 1,538,123; May 19.
Vacuum capping machine. W. J. Peelle. 1,538,587; May 19.
Vacuum cleaner. J. T. Hume. 1,537,946; May 19.
Vacuum tank. H. Ringgenberg. 1,538,519; May 19.
Valve. J. J. Bosshard. 1,537,933; May 19.
Valve. H. Cohen. 1,538,092; May 19.
Valve. O. L. Fillmore. 1,538,787; May 19.
Valve. J. S. Katzin. 1,537,948; May 19.
Valve. F. J. Laird. 1,538,404; May 19.
Valve. C. H. Leinert. 1,538,563; May 19.
Valve. E. F. Niedecken. 1,538,207; May 19.
Valve. S. Stucky. 1,538,144; May 19.
Valve control with lever and connections, Fuel-. A. A. Asklund. 1,538,503; May 19.
Valve, Flush. G. E. Richardson. 1,538,656; May 19.
Valve for hot-water radiation, Automatic air. E. Z. Mack. 1,538,049; May 19.
Valve member and forming same. O. B. Mueller. 1,538,846; May 19.
Valve-operating mechanism, Stoker-. W. J. Lapworth. 1,538,709; May 19.
Valve, Partition. M. J. Glauber. 1,538,284; May 19.
Valve, Pressure-relief. P. Dorsey and R. D. McIntosh. Re16,071; May 19.
Valve, Regulating. E. A. Ileman. 1,538,558; May 19.
Valve seat and liner puller, Pump-. H. W. Stewart. 1,538,306; May 19.
Valve-seat construction. J. C. Hagey. 1,538,108; May 19.
Valve, Self-closing. A. Freeberg and C. E. Dombrowski. 1,538,394; May 19.
Valve, Tappet. J. P. Lorenz. 1,538,126; May 19.
Valve, Turbine bleeder. J. L. Moore. 1,538,255; May 19.
Valves, Holder for thermionic. M. Cooper. 1,538,863; May 19.
Vanity box. L. Feldmann. 1,538,786; May 19.
Vanity box. J. J. Vogler. 1,538,532; May 19.
Vanity case. S. Morrison. 1,538,133; May 19.
Vanity case. L. Tamis. 1,538,363; May 19.
Vehicle body. G. Baehr. 1,538,781; May 19.
Vehicle body, Convertible. A. O. Holton. 1,538,485; May 19.
Vehicle body, Motor-. W. M. Trout. 1,538,364; May 19.
Vehicle brake-operating device. M. Birkigt. 1,538,677; May 19.
Vehicle, Motor. J. A. Anglada. 1,538,080; May 19.
Vehicle propelling mechanism. J. Holtzman. 1,538,554; May 19.
Vehicle signal device, Motor-. W. B. Reed. 1,538,491; May 19.
Vehicle, Tilting-body. F. A. Whitten. 1,538,876; May 19.
Vehicle wheel. J. Salus. 1,538,661; May 19.
Vehicle window construction. J. D. Lawrence and S. W. Nicholson. 1,538,489; May 19.
Vehicle work rack. A. C. Larsen. 1,538,487; May 19.
Vehicles, Apparatus for raising. T. Gonsáles y Hernandez. 1,538,113; May 19.
Vehicles, Automatic coupler for. J. H. Clark. 1,537,935; May 19.
Vehicles, Bumper for motor. 1,538,190; May 19.
Vehicles, Speed-controlling device for motor. L. V. Slaight. 1,538,009; May 19.
Vehicles, Spring suspension for. C. H. Braselton. 1,537,983; May 19.
Vehicles, Spring suspension for. R. R. Love. 1,538,405; May 19.
Ventilating mechanism. G. T. Markey. 1,538,645; May 19.
Vessels, suitable either as a steering house or water-ballast tank, Turret for submersible. V. de Feo. 1,538,782; May 19.
Vise. L. P. Aubard. 1,538,500; May 19.
Vise. W. F. Marshall. 1,537,958; May 19.
Viscera and head inspection table. A. O. Lundell. Re16,079; May 19.
Voice-transmitting device. C. H. Gunn. 1,538,321; May 19.
Vulcanizer. E. R. Gewert. 1,538,481; May 19.
Wagon body, Dumping-. E. E. Grubbe. 1,538,695; May 19.
Wagon-unloading device. F. W. Chich. 1,538,464; May 19.
Walking animal. J. Spelling. 1,538,140; May 19.
Wall bracket. J. L. Chappell. Des. 67,335; May 19.
Wall, Burglarproof. B. H. Smyers, jr., and M. H. Jackson. 1,538,223; May 19.
Wall construction. W. C. Buckhout. 1,538,681; May 19.
Warp drier. E. B. Kerst. 1,538,863; May 19.
Washer: *See*—
Lock washer. Padded washer.
Washing machine. T. W. Behan and H. W. Doughty. 1,538,266; May 19.
Washing machine, Centrifugal. A. F. McNaughton. 1,537,995; May 19.
Watchcase. R. H. Whitehead. Des. 67,387–9; May 19.
Water from compressed air in motion, Device for separating. R. Poth. 1,538,652; May 19.
Water heater. V. F. Deckert. 1,537,987; May 19.
Water heater and steam generator. A. H. Kohlmeyer. 1,538,436; May 19.
Waterproof covering and making same. L. Kirschbraun. 1,537,950; May 19.
Waterproof product. L. Kirschbraun. 1,537,949; May 19.
Wave transmission. R. A. Heising. 1,537,941; May 19.
Weed exterminator. T. E. Menchaca. 1,538,719; May 19.
Weed puller. P. N. Larson. 1,538,829; May 19.
Weighing and sorting machine. J. C. Kurtz and J. J. McCabe. 1,538,122; May 19.
Welding, Electric. S. Dyhr. 1,538,278; May 19.
Welding machines, Multiple switch for use in connection with electric. E. Schroeder. 1,538,410; May 19.
Welding process. R. J. Burnside. 1,538,618; May 19.
Welding process, Electrical. J. T. T. Randles. 1,538,590; May 19.
Wheel: *See*—
Skate wheel. Vehicle wheel.
Wheel for surfacing stone, Coarse-grinding. E. A. Chase. 1,538,687; May 19.
Wheel tightener. T. B. Bomar. 1,538,613; May 19.
Winding device. J. E. Long. 1,538,125; May 19.
Winding machine. J. D. Joyce. 1,538,043; May 19.
Window construction. A. Strobel. 1,538,451; May 19.
Window-control mechanism. S. W. Nicholson. 1,538,444–5; May 19.
Window-glass attachment. H. H. D. Klinker. 1,538,560; May 19.
Window guide, Noiseless. G. A. Reynolds, jr. 1,538,655; May 19.
Window lock. F. A. Wahlin. 1,538,149; May 19.
Window, Reversible. M. P. Comerford and H. B. Parrett. 1,538,025; May 19.
Window screen, Adjustable. A. Zeman and G. W. Nemec. 1,538,777; May 19.
Windshield. W. A. King. 1,538,333; May 19.
Windshield. W. B. Murray. 1,538,443; May 19.
Wire, Machine for straightening. J. J. Higgins. 1,538,325; May 19.
Wire-reel support. I. Epstein. 1,538,477; May 19.
Wire-splitting tool. G. Dincognito. 1,538,628; May 19.
Wire, Winding a coil of. W. A. Prentiss and H. Poetsch. 1,538,136; May 19.
Woven fabric. A. H. McCarrel. 1,538,836; May 19.
Wrench: *See*—
Jar wrench. Pipe wrench.
Wrench. J. V. Butts. 1,538,682; May 19.
Wrench container. H. H. Chase. 1,538,621; May 19.
Writing adding machine. H. A. Foothorap. 1,538,392; May 19.
Writing implements and the like, Holder for. A. Jahn. 1,538,878; May 19.
Writing tablet and copyholder, Combined. P. B. Downing. 1,538,629; May 19.
Yeast preparations for baking, dietetic, and therapeutic purposes, Manufacture of. R. Willstatter and H. Sobotka. 1,538,366; May 19.

CLASSIFICATION OF PATENTS

MAY 19, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

3— 40: 1,538,181
43: 1,538,353
78: 1,538,123
85: 1,538,632
141: 1,538,713
169: 1,538,262
175: 1,538,073
4— 57: 1,538,656
67: 1,538,216
72: 1,538,094
278: 1,538,533
5— 119: 1,538,379
8— 2: 1,538,261
5: 1,538,367
10: 1,538,163
30: 1,538,370
9— 15: 1,538,475
17: 1,538,484
1,538,493
21: 1,538,544
1,538,627
22: 1,538,763
23: 1,538,510
10— 89: 1,538,096
194: 1,538,670
158: 1,538,236
11— 2: 1,537,940
12— 39: 1,537,996
67.1: 1,538,526
15— 9: 1,537,944
25: 1,538,820
104.10: 1,538,696
132: 1,538,857
133: 1,538,434
135: 1,538,741
137: 1,538,226
180: 1,538,728
194: 1,538,279
198: 1,538,220
210: 1,538,280
226: 1,538,521
244: 1,538,740
255: 1,538,309
125: 1,537,970
129: 1,538,121
1,538,577
144: 1,538,577
17— 43: R. 16,079
45: 1,538,469
18— 2: 1,538,179
6: 1,538,606
18: 1,538,481
53: 1,538,076
1,538,780
54: 1,538,089
56: 1,538,199
57: 1,538,294
19— 14: 1,537,903
36: 1,538,020
39: 1,538,345
68: 1,538,244
20— 1.4: 1,538,570
1.13: 1,538,341
19: 1,538,358
35: 1,538,470
40: 1,538,268
40.5: 1,537,951
53: 1,538,025
1,538,451
22— 20: 1,538,576
57: 1,538,564
65: 1,538,665
22— 111: 1,538,247
123: 1,538,837
143: 1,538,939
165: 1,538,089
228: 1,538,574
1,538,589
256: 1,538,902
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ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

A. B. C. Stores, Incorporated, The, Houston, Galveston, and Beaumont, Tex. Paper bags, paper napkins, and toilet paper. 198,908; May 28; Serial No. 196,282; published Nov. 18, 1924.

A. R. G. Remedy Co. (See Guariglia, A. R.)

Albany Perforated Wrapping Paper Co., Albany, N. Y. Toilet papers. 46,762; renewed Oct. 10, 1925.

Albright Pharmaceutical Laboratories, Newark, N. J. Powders for headaches and constipation. 198,875; May 26; Serial No. 207,485; published Feb. 24, 1925.

Almond-Smash Co., Inc., Baltimore, Md. Beverages sold as soft drinks. 198,668; May 26; Serial No. 204,949; published Mar. 10, 1925.

American Agriculturist, Inc. (See Orange Judd Company, assignor.)

American Ambi Corporation, New York, N. Y. Wooden tubs, pails, and covers. 198,884; May 26; Serial No. 208,784; published Mar. 10, 1925.

American Avator Company. (See Romano, Jacques.)

American Seedless Raisin Company, San Francisco, Fresno and Del Rey, Calif. Dried raisins. 198,862; May 26; Serial No. 205,257; published Mar. 17, 1925.

American Thermo-Ware Company, New York, N. Y. Anatomical manikins. 198,950; May 26.

Anaheim Beef Company, Anaheim, Calif. Shortening. 198,954; May. 26.

Anc-Co Preserving Co., Birmingham, Ala. Fruit jellies. 198,700; May 26; Serial No. 206,270; published Mar. 10, 1925.

Appel, David, doing business as Pyrox Chemical Co., Chicago, Ill. Palliative for corns and calli. 198,899; May 26; Serial No. 186,042; published Feb. 17, 1925.

Arkansas Foundry Co., Little Rock, Ark. Iron and steel ingots, bars, angles, channels, forgings, and castings. 198,706; May 26; Serial No. 206,389; published Mar. 10, 1925.

Arnold and Grant, doing business as R. & R. Chemical Company, Detroit, Mich. Tonic laxative. 198,714; May 26; Serial No. 206,712; published Mar. 10, 1925.

Arnold and Grant, doing business as R. & R. Chemical Company, Detroit, Mich. Medicines. 198,715; May 26; Serial No. 206,713; published Mar. 10, 1925.

Arnold, Margaret C., Los Angeles, Calif. Bleaching compound. 198,856; May 26, Serial No. 207,845; published Feb. 24, 1925.

Artesia Cream Company, The, Waco, Tex. Toilet cream. 46,930; renewed Oct. 17, 1925.

Artsilk Knitting Mills, West New York, N. J. Knitted fabrics of wool, silk, artificial silk, cotton, and mixtures of the same. 198,944; May 26; Serial No. 189,296; published Mar. 3, 1925.

Aufrichtig, Fritz, doing business as Feelokay Co., Brooklyn, N. Y. Laxatives. 198,947; May 26; Serial No. 185,171; published Mar. 3, 1925.

Auslander, Jacob, & Son Inc., New York, N. Y. Misses' and children's hats and babies' bonnets. 198,773; May 26; Serial No. 207,545; published Mar. 10, 1925.

Bacon, Max E., doing business as Ferretone Co., Deerfield, Kans. Tonic, contra-dolor, and laxative tablets. 198,916; May 26; Serial No. 204,742; published Feb. 24, 1925.

Bader, Henry F., New Albany, Ind. Medicinal preparation for coughs, colds, etc. 198,884; May 26; Serial No. 206,651; published Mar. 10, 1925.

Baldwin Company, The. (See Hamilton Organ Company, assignor.)

Baltic India Rubber Company "Quadrat", Riga, Latvia. Rubber overshoes. 198,796; May 26; Serial No. 202,818; published Mar. 10, 1925.

Barnard, Frederick R., doing business as Educational Games Co., New York, N. Y. Games and dice-shaking devices. 198,673; May 26; Serial No. 205,308; published Mar. 10, 1925.

Bayly Underhill Mfg. Co., The, Denver, Colo. Overalls, jumpers, shirts, trousers, children's rompers, and one-piece suits. 198,760; May 26; Serial No. 208,448; published Mar. 10, 1925.

Beauchamp, Ralph A. S., Philadelphia, Pa. Coffee. 198,749; May 26; Serial No. 207,915; published Mar. 10, 1925.

Beaute Dear Company. (See Wolf, Earl D.)

Beauty Brassiere Company, Newark, N. J. Corsets and brassières. 198,777; May 26; Serial No. 207,220; published Mar. 3, 1925.

Behrman, B. G., Inc., New York, N. Y. Ladies' hats. 198,841; May 26; Serial No. 208,501; published Mar. 10, 1925.

Beiersdorf, P., & Co. Inc., New York, N. Y. Base for ointments. 198,807; May 26; Serial No. 208,502; published Mar. 3, 1925.

Benjamin & Johnes, Newark, N. J. Combination corset and brassières. 198,766; May 26; Serial No. 207,707; published Mar. 3, 1925.

Berbecker & Rowland Mfg. Co. The, Waterville, Conn. Nails, tacks, and thumb tacks. 45,074; renewed Aug. 8, 1925.

Bessire & Company, Indianapolis, Ind. Ice-cream cones. 198,904; May 26; Serial No. 192,664; published Apr. 29, 1924.

Beyerle Mfg. Co. Inc., New York, N. Y. Men's and women's garters, hose supporters, and arm bands. 198,752; May 26; Serial No. 208,038; published Mar. 3, 1925.

Bielek Mfg. Co., Pittsburgh, Pa. Malt extract for beverage-making purposes. 198,765; May 26; Serial No. 207,708; published Mar. 10, 1925.

Big Bill Bottling Co., Winston-Salem, N. C. Beverages. 198,794; May 26; Serial No. 204,694; published Mar. 17, 1925.

Bolet, Dr. Nicanor, Inc., New York, N. Y. Tocological medicines. 198,879; May 26; Serial No. 206,937; published Mar. 3, 1925.

Bonney Forge & Tool Works, Allentown, Pa. Wrenches. 198,784; May 26; Serial No. 190,188; published Mar. 10, 1925.

Bono, Inc., New York, N. Y. Insecticides, disinfectants, etc. 198,881; May 26; Serial No. 206,876; published Mar. 10, 1925.

Bosch, Robert, Aktiengesellschaft, Stuttgart, Germany. Carburetors, fuel pumps, lubricators, etc. 198,925; May 26; Serial No. 170,366; published Mar. 10, 1925.

Brandon Mills, Greenville, S. C. Cotton sheetings and drillings. 46,782; renewed Oct. 10, 1925.

Brewer-Titchener Corporation, The. (See Crandal, Stone & Co.)

Broco Laboratories. (See Priest, Lawrence H.)

Buck, Daniel F. L., Los Angeles, Calif. Soap. 198,840; May 26; Serial No. 208,506; published Mar. 10, 1925.

Buffalo Vegetable Marketing Co., Buffalo, N. Y. Fresh vegetables. 198,924; May 26; Serial No. 171,899; published Mar. 10, 1925.

Burditt-MacGregor Corporation, Boston, Mass. Hats and caps. 198,927; May 26; Serial No. 159,493; published Mar. 3, 1925.

Burke, J. D., Drug Co., Montgomery, Ala. Skin ointment. 198,845; May 26; Serial No. 207,613; published Feb. 24, 1925.

Burrows Shoe Company, Rochester, N. Y. Ladies' boots and shoes. 198,768; May 26; Serial No. 207,650; published Mar. 3, 1925.

California Wine Grape Products, Inc., Reno, Nev., and Calistoga, Calif. California wine grape products. 198,780; May 26; Serial No. 206,998; published Mar. 10, 1925.

California Wine Grape Products, Inc., Reno Nev., and Calistoga, Calif. Tonic. 198,878; May 26; Serial No. 206,994; published Mar. 3, 1925.

Caltis, George, doing business as Drink Mo Beverage Company, Memphis, Tenn. Beverage sold as a soft drink. 198,692; May 26; Serial No. 205,902; published Mar. 10, 1925.

Camaffine Laboratories, Williamsburg, Pa. Medicinal salve. 198,945; May 26; Serial No. 188,470; published Mar. 3, 1925.

Camlin Corset Co. Inc., New York, N. Y. Corsets. 198,837; May 26; Serial No. 208,567; published Mar. 10, 1925.

Carbide & Carbon Chemicals Corporation, New York, N. Y. Gas in portable tanks for the production of light, heat, and power. 198,822; May 26; Serial No. 207,809; published Feb. 24, 1925.

Carter-Mayhew Manufacturing Company, Minneapolis, Minn. Grain separating and cleaning machines and automatic weighing feeders. 198,965; May 26.

Casnati, Lola A., New York, N. Y. Semiplastic preparation for treatment of the skin. 198,865; May 26; Serial No. 205,906; published Feb. 17, 1925.

Casnati, Lola A., New York, N. Y. Semiplastic preparation for treatment of the skin, acne cream, etc. 198,866; May 26; Serial No. 205,907; published Feb. 17, 1925.

Central Council For Nursing Education, Chicago, Ill. Bulletins and circulars. 198,726; May 26; Serial No. 202,002; published Mar. 10, 1925.

Certain-teed Products Corporation, New York, N. Y. Linoleum cement. 198,779; May 26; Serial No. 208,995; published Mar. 10, 1925.

Chabonat, Marie, Paris, France. Remedy in liquid form for all the maladies of the respiratory tract and for veterinary uses. 198,929; May 26; Serial No. 204,499; published Feb. 24, 1925.

Chabonat, Marie, Paris, France. Remedy in pill, granule, tablets, and ampul form for affections of the respiratory tract, etc., also for veterinary uses. 198,930; May 26; Serial No. 204,498; published Feb. 24, 1925.

Chefko, Helen, New York, N. Y. Table board game. 198,736; May 26; Serial No. 197,187; published Mar. 17, 1925.

Cherry, Dorothy M., St. Paul, Minn. Hair-waving fluid. 198,918; May 26; Serial No. 203,618; published Feb. 17, 1925.

Chicago Textile Products Company, Chicago, Ill. Coal and coke bags. 198,679; May 26; Serial No. 204,010; published Mar. 10, 1925.

Citroën, André, Paris, France. Engines and machines and spare parts of same. 198,731; May 26; Serial No. 200,092; published Mar. 10, 1925.

Clayton Oil & Refining Company, Dallas, Tex. Lubricating oils, gasoline, kerosene, and lubricating greases. 198,689; May 26; Serial No. 205,858; published Mar. 10, 1925.

Cohen, Simon, Hartford, Conn. Hosiery, underwear, and sweaters. 198,798; May 26; Serial No. 195,948; published Mar. 10, 1925.

Cohn Hall Marx Co., New York, N. Y. Cotton piece goods. 198,962; May 26.

Coleman, Jeremiah D., doing business as Magic Insole Co., New York, N. Y. Insoles. 198,669; May 26; Serial No. 205,050; published Mar. 3, 1925.

Collapsule Company, Inc., The, New York, N. Y. Empty capsules. 198,830; May 26; Serial No. 208,795; published Mar. 17, 1925.

Columbia Mills, Incorporated, The, New York, N. Y. Window-shade rollers. 198,959; May 26.

Commonwealth Shoe & Leather Company, Whitman, Mass. Boots and shoes. 198,781; May 26; Serial No. 206,943; published Mar. 3, 1925.

Cook, Waltre C., San Antonio, Tex. Washing powder. 198,800; May 26; Serial No. 188,986; published Mar. 10, 1925.

Cornalax Remedy Co. (See Hurd, John H.)

Crandal, Stone & Co., Binghamton, N. Y.; The Brewer-Titchener Corporation, Cortland, N. Y., successors. Carriage-trimming hardware. 44,629; renewed July 18, 1925.

Crescent Hat & Cap Company, New York, N. Y. Men's and boys' hats and caps. 198,716–17; May 26; Serial Nos. 206,722–3; published Mar. 3, 1925.

Crosticon Company, Inc., The, New York, N. Y. Cross-word games. 198,744; May 26; Serial No. 207,780; published Mar. 10, 1925.

Crown Fruit Co., The, Lodi, Calif. Fresh grapes. 198,670; May 26; Serial No. 205,203; published Mar. 10, 1925.

Crutcher, D. E., Co., San Francisco, Calif. Chocolate-coated candy bars. 198,707; May 26; Serial No. 206,401; published Mar. 10, 1925.

Cushman, Harriette E., Bozeman, Mont. Eggs. 198,958; May 26.

Dahms, Hugo, Berlin, Germany. Hose-suspender grip. 198,728; May 26; Serial No. 201,333; published Feb. 17, 1925.

Darsie, Darsie L., Los Angeles, Calif. Title of a newspaper column. 198,681; May 26; Serial No. 204,161; published Mar. 10, 1925.

Delbon, Frank G., Brooklyn, N. Y. Leather shoes. 198,735; May 26; Serial No. 198,057; published Mar. 3, 1925.

De May, John P., Co., The, Brooklyn, N. Y. Hairdressing. 198,885; May 26; Serial No. 206,515; published Mar. 3, 1925.

Demetriou and Demetriou, doing business as M. McDonald & Company, Detroit, Mich. Salve. 198,943; May 26; Serial No. 190,578; published Mar. 10, 1925.

Denver Chemical M'f'g. Co., The, Denver, Colo. Medical preparation. 44,419; renewed July 4, 1925.

Detroit Commerce Company, Detroit, Mich. Evaporated milk. 198,795; May 26; Serial No. 203,301; published Mar. 10, 1925.

Detroit Drug Products Co., Detroit, Mich. Medicines used for treatment of ear ailments. 198,805; May 26; Serial No. 206,575; published Mar. 3, 1925.

Deutsche Gold- und Silber-Scheideanstalt vormals Roessler, Frankfort-on-the-Main, Germany. Syringes for injecting fluid into the ground for exterminating insects, etc. 198,932; May 26; Serial No. 204,226; published Mar. 10, 1925.

Dicks, Finlay, & Co., Ltd., assignor to F. A. Dicks & Company, Inc., New Orleans, La. Proprietary remedy. 46,237; renewed Sept. 12, 1925.

Dobbs & Co., New York, N. Y. Perfumes, toilet waters, and toilet powders. 198,817; May 26; Serial No. 207,858; published Feb. 24, 1925.

Dombkowski, Kazimierz, Brooklyn, N. Y. Apparatus for setting the planks of parquet and other flooring. 198,786; May 26; Serial No. 189,969; published Mar. 10, 1925.

Drink Mo Beverage Company. (See Caltis, George.)

Drug Store Products, Toledo, Ohio. Preparations for conditions peculiar to women. 198,872; May 26; Serial No. 206,829; published Feb. 24, 1925.

Durant, Charles, Spokane, Wash. Remedy for piles or hemorrhoids. 198,910; May 26; Serial No. 201,548; published Feb. 24, 1925.

Dy-O-La Dye Company, Burlington, Vt. Dyes, dyestuffs, stains, and coloring matter. 198,880; May 26; Serial No. 206,887; published Mar. 10, 1925.

Eagle Remedy Company, San Antonio, Tex. Medicine for use in the treatment of coughs, colds, and asthma. 198,844; May 26; Serial No. 208,096; published Feb. 24, 1925.

Eckstein's, J., Sons, Inc., New York, N. Y. Fur coats, wraps, boas, doimans, muffs, and scarfs. 198,918; May 26; Serial No. 181,016; published Mar. 10, 1925.

Educational Games Co. (See Barnard, Frederick R.)

Eisen, William M., Company, Inc., The, New York, N. Y. Trusses, elastic hosiery, braces, etc. 198,693; May 26; Serial No. 205,914; published Mar. 10, 1925.

Elma, Inc., Philadelphia, Pa. Astringents, astringent cerates, bleach creams, etc. 198,810; May 26; Serial No. 206,461; published Mar. 3, 1925.

Engstrom, Ernest W., Kent, Wash. Eggs, baby chicks, and live mature fowls. 198,694; May 26; Serial No. 205,915; published Mar. 10, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Phantom minnows. 198,748; May 26; Serial No. 207,731; published Mar. 10, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Sinkers used for fishing lines. 198,763; May 26; Serial No. 207,715; published Mar. 10, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Fishing reels, reel cases, fishing lines, etc. 198,764; May 26; Serial No. 207,712; published Mar. 10, 1925.

Eureka Shoe Mfg. Co., The, New York, N. Y. Shoes. 198,928; May 26; Serial No. 151,537; published Mar. 10, 1925.

Fabrik Medizinischer und Kosmetischer Präparate Dr. Alfred E. F. Weidner. (See Weidner, Alfred E. F.)

Family Shoe Store, The. (See Strasburger, Joseph, Co.)

Fansler Manufacturing Company, Marion, Ind. Medicines. 198,933; May 26; Serial No. 203,945; published Mar. 10, 1925.

Farris, Chas. R., Colorado, Tex. Preparation for lumbago and rheumatism. 193,905; May 26; Serial No. 193,162; published Feb. 17, 1925.

Federal Abrasive Works, Inc., Westfield, Mass. Flint and garnet papers and emery cloth. 198,750; May 26; Serial No. 207,924; published Mar. 10, 1925.

Federal Abrasive Works, Inc., Westfield, Mass. Paper or cloth coated with an aluminum-oxide abrasive. 198,758; May 26; Serial No. 208,338; published Mar. 10, 1925.

Federal Abrasive Works, Inc., Westfield, Mass. Paper or cloth coated with a silicon-carbide abrasive. 198,759; May 26; Serial No. 208,339; published Mar. 10, 1925.

Feelokay Co. (See Aufrichtig, Frits.)

Feldbaum & Spiegel, Inc., New York, N. Y. Fur garments. 198,710; May 26; Serial No. 206,519; published Feb. 24, 1925.

Fels, Herman, doing business as Fels New Products Company, Brooklyn, N. Y., assignor to S. Wyetzner and D. Laufer, Brooklyn, N. Y. Pure-malt-extract sirup. 198,739; May 26; Serial No. 192,568; published Mar. 10, 1925.

Ferretone Co. (See Bacon, Max E.)

Findlay & Battle, New York, N. Y.; Richmond, Va.; London, England; Paris, France; and Montreal, Canada; Glacier Metal Company, Richmond, Va., successor. Antifriction for Babbit metal. 46,767; renewed Oct. 10, 1925.

Five Point Products Inc., San Francisco, Calif. Dental paste. 198,861; May 26; Serial No. 205,206; published Feb. 24, 1925.

Flossy Dental Mfg. Co., Evanston, Ill. Perfume. 198,942; May 26; Serial No. 190,635; published Feb. 24, 1925.

Food Products Co., San Francisco and Suitana, Calif. Sweet pickled figs. 198,719; May 26; Serial No. 206,774; published Mar. 10, 1925.

Foster-Milburn Co., Buffalo, N. Y. Medicinal preparation. 198,812; May 26; Serial No. 208,390; published Mar. 3, 1925.

Frederiksen, Ole C., Copenhagen, Denmark. Radioactive preparations. 198,936; May 26; Serial No. 202,938; published Feb. 24, 1925.

Fremont Packing Company, Fremont, Nebr. Dressed poultry. 198,962; May 26.

Friedman Bros. Inc., House of, New York, N. Y. Trousers, knickerbockers, suits, and overcoats. 198,775; May 26; Serial No. 207,462; published Mar. 10, 1925.

Friedman Bros. & Sons Neckwear Co., Inc., New York, N. Y. Ties and cravats. 198,757; May 26; Serial No. 208,289; published Mar. 10, 1925.

Fries & Fries Co., The, Cincinnati, Ohio. Food-flavoring extracts. 198,698–9; May 26; Serial No. 206,162–3; published Mar. 10, 1925.

Gaetano, Mrs. Louisa, et al., executors. (See Martorelli, C. F., and Gaetano.)

Gavilan Citrus Association. (See Holden, Arthur S.)

Gebhart, Edgar S., doing business as Redfern Medicine Company, Dayton, Ohio. General tonic. 198,887; May 26; Serial No. 206,289; published Mar. 3, 1925.

Genuine Dr. Pilzer's Shoe Company, Inc., The, New York, N. Y. Shoes. 198,898; May 26; Serial No. 176,279; published Mar. 10, 1925.

Georgia George Beauty Products, Inc., San Francisco, Calif. Scalp and hair shampoo. 198,877; May 26; Serial No. 207,457; published Mar. 3, 1925.

Gerstein Brothers, New York, N. Y. Neckbands. 198,751; May 26; Serial No. 207,929; published Mar. 10, 1925.

Glacier Metal Company. (See Findlay & Battle.)

Glazoline Dye & Chemical Co., Inc., New York, N. Y. Chemical preparation for glazing furs and skins. 198,846; May 26; Serial No. 207,620; published Feb. 24, 1925.

Glebeas Importation Co., New York, N. Y. Face powder, toilet creams, and extracts for perfumes. 198,828; May 26; Serial No. 207,458; published Mar. 10, 1925.

Golden Star Polish Manufacturing Company, Kansas City, Mo. Polish for furniture, automobile bodies, etc. 198,680; May 26; Serial No. 204,026; published Mar. 10, 1925.

Goodman, Joseph, New York, N. Y. Laxative confection. 198,895; May 26; Serial No. 205,006; published Feb. 24, 1925.

Goodspeed, George M., doing business as Twin City Laboratories, Minneapolis, Minn. Foot cream. 198,914; May 26; Serial 203,675; published Feb. 24, 1925.

Gordon, G. M., doing business as G. M. Gordon Drug Co., Dallas, Tex. Antiseptic medicine for diseases of the stomach and bowels. 198,742; May 26; Serial No. 206,406; published Feb. 24, 1925.

Gorton Pew Fisheries Company, Ltd. Gloucester, Mass. Liquid glue. 198,683; May 26; Serial No. 206,525; published Mar. 17, 1925.

Gotzian, C. & Company, St. Paul, Minn. Children's shoes. 198,756; May 26; Serial No. 206,188; published Mar. 10, 1925.

Grand Union Tea Co., Brooklyn, N. Y. Spices. 46,705; renewed Oct. 2, 1925.

Grand Union Tea Co., Brooklyn, N. Y. Teas. 46,832; renewed Oct. 10, 1925.

Grand Union Tea Co., Brooklyn, N. Y. Coffee. 46,833; renewed Oct. 10, 1925.

Gring, George W., Berkeley, Calif. Insecticides. 198,849; May 26; Serial No. 207,673; published Feb. 24, 1925.

Guariglia, A. R., doing business as A. R. G. Remedy Co., Morgantown, W. Va. Salve for the treatment of congestion and inflammation of the respiratory organs, headache, etc. 198,825; May 26; Serial No. 207,622; published Mar. 3, 1925.

Halsted-Dierks & Co., San Francisco, Calif. Burial receptacles. 198,755; May 26; Serial No. 208,140; published Mar. 10, 1925.

Hamilton Organ Company, Chicago Heights, Ill., assignor to The Baldwin Company, Cincinnati, Ohio. Pianos. 47,072; renewed Oct. 24, 1925.

Hanft, Paul J., New Athens, Ill. Poultry feed. 198,955; May 26.

Hansen's, Chr., Laboratory, Inc., Little Falls, N. Y. Butter color and food colors. 198,854; May 26; Serial No. 207,785; published Feb. 24, 1925.

Harrison, Arthur, doing business as The Vanillarine Company, Glendale, Calif. Liquid substitute for extract of vanilla. 198,720; May 26; Serial No. 206,847; published Mar. 10, 1925.

Hartshorn, C. H., Inc., Gardner, Mass. Living-room suits. 198,957; May 26.

Hartzell, Blanche K., doing business as Re Nu Laboratories, Youngstown, Ohio. Liquid face pack. 198,937; May 26; Serial No. 201,956; published Mar. 10, 1925.

Heath, Willie L., Greensboro, N. C. Medicinal remedy for piles, sores, and analogous ailments. 198,893; May 26; Serial No. 205,064; published Feb. 24, 1925.

Holden, Arthur S., doing business as Gavilan Citrus Association, Arlington, Calif. Oranges, lemons, and grapefruit. 198,881–3; May 26; Serial Nos. 208,762–4; published Mar. 17, 1925.

Holman, H. J., & Sons Inc., Sheboygan, Wis. Silk, cotton, and wool blouses, flannel, chambrays, etc. 198,772; May 26; Serial No. 207,570; published Mar. 10 1925.

Houchens Medicine Co., Baltimore, Md. Preparation for the treatment of colds, constipation, indigestion, etc. 198,890; May 26; Serial No. 205,755; published Mar. 3, 1925.

Hoyt, F., & Company, Limited; F. Hoyt & Co., Philadelphia, Pa., successor. Perfumery. 46,216; renewed Sept. 12, 1925.

Hudnut, Richard, New York, N. Y. Toilet and face powders, bath salts, etc. 198,827; May 26; Serial No. 207,572; published Mar. 10, 1925.

Hulley, Minnie S., Ozone Park, N. Y. Sanitary apron in the form of bloomers. 198,660; May 26; Serial No. 205,874; published Mar. 10, 1925.

Hunt-Spiller Manufacturing Corporation, Boston, Mass. Metal castings and parts for locomotives, etc. 198,721; May 26; Serial No. 206,850; published Mar. 10, 1925.

Hurd, John H., doing business as Cornalax Remedy Co., Kansas City, Mo. Remedy for corns, calli, warts, and bunions. 198,814. May 26; Serial No. 208,051; published Feb. 24, 1925.

Hygrade Oil & Fuel Corporation, Buffalo, N. Y. Gasoline, lubricating oils, and greases. 198,729; May 26; Serial No. 201,185; published Mar. 10, 1925.

Ideal Cocoa & Chocolate Co., Ltd., Pa., and New York, N. Y. Chocolate for bakers' use. 198,695; May 26; Serial No. 206,072; published Mar. 10, 1925.

Ideal Trading Company. (See Lichtenstein, William.)

Illfelder, Joseph, Furth, Germany. Lead pencils, pastel crayons, black chalks, etc. 198,789; May 26; Serial No. 185,928; published Mar. 3, 1925.

Illinois Oil Company, Rock Island, Ill. Lubricating oils. 198,964; May 26.

Independent Salt Company, New York, N. Y. Salt. 198,826; May 26; Serial No. 207,576; published Mar. 10, 1925.

Independent Salt Company, New York, N. Y. Salt. 198,876; May 26; Serial No. 207,577; published Feb. 24, 1925.

Indiana Fibre Products Company, Marion, Ind. Paper dishes. 198,838; May 26; Serial No. 208,520; published Mar. 10, 1925.

Indiana Fibre Products Company, Marion, Ind. Paper or paperboard plates and dishes. 198,839; May 26; Serial No. 208,519; published Mar. 10, 1925.

Innovation Specialties Co., Inc., Chicago, Ill. Face powder, rouge, and nail polish. 198,901; May 26; Serial No. 189,930; published Feb. 17, 1925.

International Shoe Company, doing business as Roberts, Johnson & Rand, St. Louis, Mo. Shoes. 198,701; May 26; Serial No. 206,307; published Mar. 3, 1925.

International Steel Wool Corporation, Springfield, Ohio. Steel wool for rubbing, cleansing, etc. 198,746; May 26; Serial No. 207,817; published Mar. 10, 1925.

Jasmine Ink Corporation, Norfolk, Va. Bluing. 198,926; May 26; Serial No. 163,089; published Aug. 22, 1922.

Jewell, Georgianna, Webster, Mass. Shampoo. 198,863; May 26; Serial No. 206,420; published Feb. 17, 1925.

Jewell Pin Co., Hartford; The National Pin Company, Derby, Conn., successor. Toilet pins. 26,432; renewed Apr. 23, 1925.

Johnson, John E., doing business as Lectyn Products Co., Chicago, Ill. Chemical preparation. 198,948; May 26; Serial No. 180,129; published Mar. 10, 1925.

Johnston, Hope, New York, N. Y. Garters. 198,702; May 26; Serial No. 206,311; published Mar. 3, 1925.

Junior Wheel Goods Co., Los Angeles, Calif. Wheeled toy known as scooter. 198,956; May 26.

Kahlenberg, Louis, doing business as The Kahlenberg-Klaus Company, Two Rivers, Wis. Medicinal compound to be used in the treatment of malignancy and as a tonic. 198,869; May 26; Serial No. 206,513; published Feb. 24, 1925.

Kaufmann, Max, & Co., Inc., New York, N. Y. Textile fabrics. 198,787; May 26; Serial No. 189,412; published Mar. 3, 1925.

Keeno Corporation, New York, N. Y. Knife sharpeners. 198,730; May 26; Serial No. 200,769; published Mar. 10, 1925.

Kellogg Company, Battle Creek, Mich. Bran in edible form. 198,949; May 26.

King, Julia, Incorporated, Chicago, Ill. Candy. 198,829; May 26; Serial No. 208,911; published Mar. 17, 1925.

Kleeblatt Barbers' Supply Co., Sioux City, Iowa. Toilet waters, hair tonics, toilet lotions, etc. 198,858; May 26; Serial No. 204,775; published Feb. 24, 1925.

Knoxville Knitting Mills Co., Knoxville, Tenn. Knit hosiery, underwear, and sweaters. 198,792; May 26; Serial No. 206,580; published Mar. 10, 1925.

Kormos, Joseph, Frankfort, Ky. Sledge hammers, stone points, chisels, hammers, stone wedges. 198,920; May 26; Serial No. 173,712; published Mar. 10, 1925.

Kroger Grocery & Baking Co., The, Cincinnati, Ohio. Canned peas and vegetables. 198,722; May 26; Serial No. 202,500; published Mar. 10, 1925.

Kyle, George W., & Company, Inc., New York, N. Y. Buffing wheels. 198,801; May 26; Serial No. 190,382; published Mar. 10, 1925.

Lake Garfield Citrus Growers Ass'n., Bartow, Fla. Fresh citrous fruits. 196,776; May 26; Serial No. 207,247; published Mar. 17, 1925.

Lanchere. (See Marshall Field & Company.)

Larkin, Howard F., Davenport, Iowa. Preparation for curling and waving the hair. 198,864; May 26; Serial No. 205,424; published Feb. 17, 1925.

Lectyn Products Co. (See Johnson, John E.)

Lehn & Fink, Inc., New York, N. Y. Neutral phosphates of magnesium and calcium. 198,871; May 26; Serial No. 206,788; published Feb. 17, 1925.

Lévy, Benjamin, assignor to Ben. Lévy Company, Boston, Mass. Face powder. 44,714; renewed July 18, 1925.

Lichtenstein, William, doing business as Ideal Trading Company, New York, N. Y. Sardines packed in olive oil. 198,662; May 26; Serial No. 204,238; published Mar. 10, 1925.

Lichtenstein, William, doing business as Ideal Trading Company, New York, N. Y. Canned mackerel, kipper snacks, and sardines. 198,663; May 26; Serial No. 204,240; published Mar. 10, 1925.

Lichtenstein, William, doing business as Ideal Trading Company, New York, N. Y. Sardines packed in olive oil. 198,664; May 26; Serial No. 204,241; published Mar. 10, 1925.

Lilly, Eli, and Company, Indianapolis, Ind. Cod-liver oil. 198,806; May 26; Serial No. 208,528; published Mar. 3, 1925.

Lippmann, J. & G., Incorporated, New York, N. Y. Fresh fruits, dried prunes, and potatoes. 198,691; May 26; Serial No. 205,880; published Mar. 10, 1925.

List, B. F., Exeter, Calif. Fresh grapes, plums, and peaches. 198,907; May 26; Serial No. 194,929; published Feb. 10, 1925.

Louisiana Oil Refining Corporation, Richmond, Va., and Shreveport, La. Gasoline, kerosene, naphtha, fuel oil, etc. 198,723; May 26; Serial No. 202,025; published Mar. 10, 1925.

Louisiana Oil Refining Corporation, Richmond, Va., and Shreveport, La. Gasoline, kerosene, naphtha, fuel oil, etc. 198,725; May 26; Serial No. 202,024; published Mar. 10, 1925.

Lufrie Co. Inc., The, New York, N. Y. Tooth paste, tooth powders, and mouth washes. 198,903; May 26; Serial No. 191,835; published Feb. 24, 1925.
M-O-R Products Company. (See Petroleum Products Corporation.)
Magic Insole Co. (See Coleman, Jeremiah D.)
Marshall Field & Company, doing business as Lanchere, Chicago, Ill. Bath crystals. 198,911; May 26; Serial No. 202,619; published Feb. 17, 1925.
Martinez, Luis G., New York, N. Y. Coffee. 198,867; May 26; Serial No. 206,013; published Feb. 10, 1925.
Martorelli, Chas. F., and Mrs. L. Gaetano, executors of R. Martorelli, doing business as Ramarto Products Company, New York, N. Y. Cottonseed salad oil. 198,675; May 26; Serial No. 205,427; published Mar. 10, 1925.
Maschinenfabrik Schweiter A.-G. (Textile Machine Works Schweiter Limited), Horgen, Switzerland. Spooling, winding, twisting, doubling, etc., machines, spindles, etc. 198,713; May 26; Serial No. 205,078; published Mar. 10, 1925.
McCord-Stewart Co., Atlanta, Ga. Coffee. 198,874; May 26; Serial No. 207,089; published Mar. 17, 1925.
McCormick & Co., Incorporated, Baltimore, Md. Insecticides. 198,848; May 26; Serial No. 207,667; published Feb. 24, 1925.
McDonald, M., & Company. (See Demetriou and Demetriou.)
McDonalds, Limited, Glasgow, Scotland. One-piece undergarments. 198,685; May 26; Serial No. 205,650; published Feb. 24, 1925.
Menasha Printing and Carton Company, Menasha, Wis. Paper and paperboard pails and cartons. 198,708; May 26; Serial No. 206,322; published Mar. 10, 1925.
Mendessolle, Maison, San Francisco, Calif. Talcum powder, sachet, face powder, etc. 198,889; May 26; Serial No. 205,884; published Mar. 10, 1925.
Meriden Gravure Company, The, Meriden, Conn. Pictures, illustrations, display cards, and posters. 198,785; May 26; Serial No. 190,171; published Mar. 10, 1925.
Millers Falls Company, Millers Falls, Mass, and New York, N. Y. Hollow augers, hand drills, bench hooks, etc. 198,790; May 26; Serial No. 184,676; published Mar. 10, 1925.
Minnesota Valley Canning Co., Le Sueur, Minn. Canned vegetables. 198,727; May 26; Serial No. 201,573; published Mar. 17, 1925.
Minster, Jay H., Philadelphia, Pa. Leather gloves. 198,836; May 26; Serial No. 208,600; published Mar. 10, 1925.
Minter Brothers, Philadelphia, Pa. Candy. 198,709; May 26; Serial No. 206,488; published Mar. 10, 1925.
Monroe Drug Company, Quincy, Ill. Bleaching powder. 198,888; May 26; Serial No. 206,020; published Mar. 3, 1925.
Moody, Charles E., & Co.; Charles E. Moody & Co. Inc., Boston, Mass., successor. Canned fruits and vegetables. 46,848; renewed Oct. 10, 1925.
Moorman Mfg. Co., Quincy, Ill. Mineral feed used as a tonic for dairy cattle. 198,883; May 26; Serial No. 206,741; published Mar. 3, 1925.
Mossman, Thomas C., Wirt, Okla. Nonfreeze compounds for use in automobile radiators. 189,816; May 26; Serial No. 207,946; published Feb. 24, 1925.
Mulford, H. K., Company, Philadelphia, Pa. Deodorizing toilet preparation. 198,799; May 26; Serial No. 193,237; published Feb. 17, 1925.
Myers, Lewis E., and Company, Valparaiso, Ind. Coaster wagons. 198,741; May 26; Serial No. 190,934; published Mar. 17, 1925.
Nash-Smith Tea & Coffee Company, Denver, Colo.; Nash-Smith Tea and Coffee Company, St. Louis, Mo., and Denver, Colo. Coffee. 46,198; renewed Sept. 12, 1925.
National Package Products Co., Anderson, Ind. Three-wheeled scooters and velocipedes. 198,671; May 26; Serial No. 205,290; published Mar. 10, 1925.
National Pin Company. (See Jewell Pin Co.)
Neptune Sea Food Company, San Diego, Calif. Canned fish. 198,963; May 26.
N-ER-G Chemical Co., New York, N. Y. Reconstructive tonic. 198,939; May 26; Serial No. 201,043; published Mar. 10, 1925.
Numsen, Wm., & Sons, Inc., Baltimore, Md. Fruits and vegetables. 46,372–3; renewed Sept. 12, 1925.
Numsen, Wm., & Sons, Inc., Baltimore, Md. Canned and preserved fruits and vegetables. 46,374; renewed Sept. 12, 1925.
Numsen, Wm., & Sons, Inc., Baltimore, Md. Fruits or vegetables in tin or glass. 46,375; renewed Sept. 12, 1925.
Numsen, Wm., & Sons, Inc., Baltimore, Md. Fruits and vegetables and fruit and vegetable preserves and jellies. 46,376; renewed Sept. 12, 1925.
Oetling Gebruder, Hamburg, Germany. Scissors, knives, table knives, hammers, etc. 198,783; May 26; Serial No. 190,426; published Mar. 10, 1925.
Orange Judd Company, assignor to American Agriculturist, Inc., New York, N. Y. Periodicals. 46,134; renewed Sept. 15, 1925.
Oratunder Corporation, Rochester, N. Y. Appliance for the alleviation of pain in operative dentistry. 198,747; May 26; Serial No. 207,823; published Mar. 10, 1925.
Oxford Varnish Corporation, Detroit, Mich. Baking japans, varnishes, and paint enamels. 198,921; May 26; Serial No. 173,335; published Mar. 10, 1925.
Pacific Adhesive Products Company. (See Uman, George L.)
Pacific Land & Cattle Co. Inc., Imperial, Calif. Hams and bacon. 198,793; May 26; Serial No. 206,024; published Mar. 10, 1925.
Padelford, Chester O., doing business as the Vendre Company, Newark, N. J. Shaving creams. 198,953; May 26.
Parke, Davis & Company, Detroit, Mich. Preparation for the treatment of thyroid intoxication. 198,940; May 26; Serial No. 198,670; published Mar. 10, 1925.
Parke, Davis & Company, Detroit, Mich. Sedative. 198,941; May 26; Serial No. 198,669; published Mar. 10, 1925.
Parker, Howard L., Wichita, Kans. Fuel oils, lubricating oils and greases. 198,676; May 26; Serial No. 202,678; published Mar. 10, 1925.
Parker Pen Co., The, Janesville, Wis. Mechanical pencils and fountain pens. 198,667; May 26; Serial No. 204,784; published Mar. 10, 1925.
Parmele Pharmacal Company, New York, N. Y. Suppositories. 198,804; May 26; Serial No. 208,605; published Mar. 3, 1925.
Pelzer M'f'g Co., Pelzer, S. C., assignor to Pelzer Manufacturing Company, Boston, Mass. Sheetings and drills. 44,843; renewed July 25, 1925.
Perrigo, L., Company, Allegan, Mich. Insect powder. 198,897; May 26; Serial No. 159,612; published Feb. 24, 1925.
Petroleum Products Corporation, Little Rock, Ark., assignor by mesne assignments to M-O-R Products Company. Substitute for pine turpentine. 198,784; May 26; Serial No. 198,471; published Mar. 3, 1925.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 198,672; May 26; Serial No. 205,295; published Mar. 10, 1925.
Phuton Remedy Co. (See Williams, Mastin L.)
Piedmont Mfg. Co., Piedmont, S. C. Sheetings and drillings. 46,718; renewed Oct. 3, 1925.
Pioneer Fruit Company, The, San Francisco, Calif. Fresh grapes. 198,835; May 26; Serial No. 208,609; published Mar. 10, 1925.
Polk County Citrus Sub-Exchange, Bartow, Fla. Fresh citrous fruits. 198,686; May 26; Serial No. 205,709; published Mar. 10, 1925.
Polygraphische Gesellschaft, Laupen, near Berne, Switzerland. Chemical products for photographic and photomechanic purposes. 198,892; May 26; Serial No. 205,135; published Feb. 24, 1925.
Presbery, Fannie, Philadelphia, Pa. Semifluid preparations for use as a hair grower and treatment for dandruff. 198,934; May 26; Serial No. 203,746; published Mar. 3, 1925.
Price Flavoring Extract Company, Chicago, Ill. Food colorings. 198,850–1; May 26; Serial Nos. 207,684–5; published Feb. 24, 1925.
Price Flavoring Extract Company, Chicago, Ill. Flavoring extracts for foods. 198,922–3; May 26; Serial Nos. 172,766–7; published Mar. 10, 1925.
Priest, Lawrence H., doing business as Broco Laboratories, Boston, Mass. Preparation for rheumatism, lumbago, etc. 198,813; May 26; Serial No. 208,065; published Feb. 24, 1925.
Puget Sound Sheet Metal Works, Seattle, Wash. Sheet-metal tanks. 198,708; May 26; Serial No. 206,438; published Mar. 10, 1925.
Pyrox Chemical Co. (See Appel, David.)
R. & R. Chemical Company. (See Arnold and Grant.)
Ramarto Products Company. (See Martorelli, Chas. F., and Mrs. L. Gaetano, executors.)
Reading Iron Company, Reading, Pa. Metal tubing including wrought-iron pipe. 198,712; May 26; Serial No. 206,691; published Mar. 3, 1925.
Redfern Medicine Company. (See Gebhart, Edgar S.)
Red Wing Shoe Company, Red Wing, Minn. Leather boots and shoes. 198,787; May 26; Serial No. 196,675; published Mar. 10, 1925.
Reichel, Otto, Berlin, Germany. Beer, beer powder. 198,661; May 26; Serial No. 205,297; published Mar. 10, 1925.
Reid, Murdoch & Co., Chicago, Ill. Coffee and spices. 198,802; May 26; Serial No. 191,093; published Mar. 10, 1925.
Re Nu Laboratories. (See Hartsell, Blanche K.)
Richards, G. H., Limited, London, England. Chemical vaporizing fumigators and liquid insecticides. 198,891; May 26; Serial No. 205,175; published Feb. 24, 1925.
Roberts, Johnson & Rand. (See International Shoe Company.)
Romano, Jacques, doing business as American Avator Company, Inc., New York, N. Y. Mouth wash. 198,931; May 26; Serial No. 204,331; published Mar. 10, 1925.

Roper, Daisy N., Washington, D. C. Preparation for use in the promotion of the growth of the hair. 198,824; May 26; Serial No. 207,687; published Mar. 10, 1925.
Ross, William J. J., Chunky, Miss. Medicine for dropsy. 198,894; May 26; Serial No. 205,032; published Feb. 24, 1925.
Russian Oil Co., The, Chicago, Ill. Lubricating oils and greases. 198,761–2; May 26; Serial Nos. 208,484–5; published Mar. 10, 1925.
Russian Oil Co., The, Chicago, Ill. Lubricating oils and greases. 198,842; May 26; Serial No. 208,486; published Mar. 10, 1925.
Rutan, P. B., & Son, Elmira, N. Y. Walking creepers. 198,771; May 26; Serial No. 207,595; published Mar. 10, 1925.
St. Louis Lithopone Company, St. Louis, Mo. Lithophone. 198,740; May 26; Serial No. 191,099; published Mar. 10, 1925.
Salt's Textile Company, Inc., New York, N. Y. Velvets in the piece. 198,679; May 26; Serial No. 208,591; published Feb. 24, 1925.
Samuels, M., & Co., Baltimore, Md. Boots, shoes, and slippers, and heels for boots, shoes, and slippers. 198,682; May 26; Serial No. 205,446; published Mar. 10, 1925.
San Francisco Grocery Co., San Francisco, Calif. Salad oil, vinegar, tea, etc. 198,791; May 26; Serial No. 207,101; published Mar. 10, 1925.
Schering & Glatz, Inc., New York, N. Y. Cleansing cream. 198,820; May 26; Serial No. 207,831; published Feb. 24, 1925.
Schewels. Serum- & Impfinstitut Bern, Berne, Switzerland. Cauterising preparation for use by dentists. 198,912; May 26; Serial No. 203,055; published Feb. 17, 1925.
Sierra Food Company, Los Angeles, Calif. Cheese. 198,961; May 26.
Silva Beauchamp, Ralph A. (See Beauchamp, Ralph A. S.)
Silverstein, Harry, New York, N. Y. Men's hats. 198,711; May 26; Serial No. 206,643; published Mar. 3, 1925.
Sinclair Refining Company, New York, N. Y. Lubricating oils and greases. 198,843; May 26; Serial No. 208,488; published Mar. 10, 1925.
Sisk, Albert W., & Son, Preston, Md. Canned fruits and vegetables. 198,770; May 26; Serial No. 207,598; published Mar. 10, 1925.
Smith, James P., & Company, New York, N. Y. Prepared cake icings. 198,674; May 26; Serial No. 205,369; published Mar. 10, 1925.
Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Perfumes, toilet waters, rouge, etc. 198,859–60; May 26; Serial Nos. 204,798–9; published Feb. 24, 1925.
Soifer, Morris S., Ambridge, Pa. Medicinal preparation. 198,803; May 26; Serial No. 208,620; published Mar. 3, 1925.
Sorbello, Andrew J., New York, N. Y. Fresh celery. 198,774; May 26; Serial No. 207,531; published Mar. 17, 1925.
Spain, Rowland W., doing business as Rowland Spain Co., New York, N. Y. Knitted undergarments and hosiery. 198,797; May 26; Serial No. 201,108; published Mar. 10, 1925.
Sperry & Hutchinson Company, The, New York, N. Y. Hosiery. 198,753; May 23; Serial No. 208,074; published Mar. 10, 1925.
Spokane, Ell, Pittsburgh, Pa. Honey. 198,696; May 26; Serial No. 206,093; published Mar. 10, 1925.
Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, etc. 198,687; May 26; Serial No. 205,790; published Mar. 10, 1925.
Squire Dingee Company, Chicago, Ill. Jellies, jams, fruit butters, and preserves. 198,688; May 26; Serial No. 205,794; published Mar. 10, 1925.
Standard Oil Company (New Jersey), Bayonne, N. J. Oils and lubricating greases. 198,782; May 26; Serial No. 206,927; published Mar. 10, 1925.
Stange, Wm. J., Co., Chicago, Ill. Food colors. 198,938; May 26; Serial No. 201,821; published Mar. 3, 1925.
Stauffer Chemical Company of Texas, Houston, Tex. Salt block sulphur. 198,847; May 26; Serial No. 207,632; published Feb. 24, 1925.
Stearns, Frederick, & Company, Detroit, Mich. Perfume, toilet water, and face powder. 198,900; May 26; Serial No. 189,430; published Feb. 17, 1925.
Steven, Mistress Julia C., Inc., doing business as J. C. Steven Candy Company, Chicago, Ill. Candy—namely, nougats. 198,754; May 26; Serial No. 208,077; published Mar. 17, 1925.
Strall, Will, Townly, Ala. Exterminator for boll weevils, army worms, potato bugs, etc. 198,915; May 26; Serial No. 204,682; published Feb. 24, 1925.
Strasburger, Joseph, Co. Inc., doing business as The Family Shoe Store, Washington, D. C. Shoes and slippers. 198,718; May 26; Serial No. 206,756; published Mar. 3, 1925.
Stratford-Cookson Company, Philadelphia, Pa. Anæsthetics. 198,935; May 26; Serial No. 202,960; published Mar. 3, 1925.
Straus, Eugene, Cabinet Works, Incorporated, Louisville, Ky. Fixtures constructed of wood, metal, and marble. 198,738; May 26; Serial No. 196,485; published Mar. 10, 1925.
Strohmeyer & Arpe Company, New York, N. Y. Canned sardines in oil. 198,666; May 26; Serial No. 204,425; published Mar. 10, 1925.
Suchard, S. A., Neuchatel-Serrieres, Switzerland. Chocolate. 198,695; May 26; Serial No. 204,252; published Mar. 10, 1925.
Sun Flame Fruit Farms. (See Van Buskirk, C. R.)
Sun-Ray Healer Company, Green Bay, Wis. Electrotherapeutic device. 198,697; May 26; Serial No. 206,095; published Mar. 10, 1925.
Sweet Dreams Company, The, Montgomery, Ala. Insecticide spray. 198,809; May 26; Serial No. 208,493; published Mar. 3, 1925.
Swift and Company, Chicago, Ill. Salad oil produced from refined cottonseed oil. 198,705; May 26; Serial No. 206,381; published Mar. 10, 1925.
Swift and Company, Chicago, Ill. Soap. 198,767; May 26; Serial No. 207,695; published Mar. 10, 1925.
Tablax Company. (See Weiner, Louis I.)
Taylor, Georgia C., Charlotte, N. C. Coating compound for increasing the wearing properties of fabrics. 198,917; May 26; Serial No. 183,543; published Mar. 25, 1924.
Thurston & Company Limited, London, England. Billiard-table cushions. 198,745; May 26; Serial No. 207,802; published Mar. 10, 1925.
Tiffin, Inc., New York, N. Y. Perfumery. 198,873; May 26; Serial No. 206,931; published Feb. 24, 1925.
Tilton, Benjamin T., Winslow, Wash. Furniture and automobile polish. 198,788; May 26; Serial No. 187,357; published Mar. 10, 1925.
Toch Brothers, Incorporated, New York, N. Y. Compositions for incorporation with paints, plasters, and concrete mixes for rendering the same impenetrable to X rays. 198,855; May 26; Serial No. 207,804; published Feb. 24, 1925.
Tolbar Co., New York, N. Y. Nail polish. 198,808; May 26; Serial No. 208,494; published Mar. 3, 1925.
Tosse, E., & Co., Inc., New York, N. Y. Preparation for hypertension arteriosclerosis, coronary sclerosis, etc. 198,896; May 26; Serial No. 204,530; published Feb. 24, 1925.
Tuberosum Pyorrhea Co., Broken Bow, Okla. Preparation for pyorrhea. 198,946; May 26; Serial No. 187,029; published Feb. 24, 1925.
Twin City Laboratories. (See Goodspeed, George M.)
Uman, George L., doing business as Pacific Adhesive Products Company, Los Angeles, Calif. Library paste, glue, mucilage, etc. 198,677; May 26; Serial No. 202,725; published Dec. 23, 1924.
Ungerer & Company, Inc., New York, N. Y. Products used for scenting purposes for toilet preparations. 198,819; May 26; Serial No. 207,837; published Feb. 24, 1925.
V V V Drug Co., New York, N. Y. Iron tonic. 198,818; May 26; Serial No. 207,838; published Feb. 24, 1925.
Van Buskirk, C. R., doing business as Sun Flame Fruit Farms, Lodi, Calif. Fresh apricots, figs, pears, cherries, plums, peaches, and nuts. 198,906; May 26; Serial No. 194,633; published Mar. 10, 1925.
Vanilarine Company, The. (See Harrison, Arthur.)
Vendre Company, The. (See Padelford, Chester O.)
Viraldo, Louise, Little Rock, Ark. Preparation for use as a pain reliever. 198,815. May 26; Serial No. 207,954; published Feb. 24, 1925.
Virginia Dare Extract Company, Inc., Brooklyn, N. Y. Antiseptic and deodorant compound. 198,853; May 26; Serial No. 207,781; published Feb. 24, 1925.
Vitamin Co., The, Logan, Utah. Mixed dairy feed. 198,960; May 26.
Wakewell Products Company, Incorporated, New York, N. Y. Laxative. 198,886; May 26; Serial No. 206,334; published Mar. 10, 1925.
Walker, Mollie, Allene, Ark. Tonic medicine. 198,821; May 26; Serial No. 207,807; published Mar. 3, 1925.
Waldorf, Chas. A., doing business as Charles A. Waldorf's Pharmacy, New Orleans, La. Hair tonic. 198,811; May 26; Serial No. 208,441; published Mar. 3, 1925.
Ward, B., Specialty Company, Cincinnati, Ohio. Liquid skin bleach. 198,882; May 26; Serial No. 206,870; published Mar. 3, 1925.
Warner-Patterson Company, Chicago, Ill. Sealing material for stopping leaks in liquid containers and conduits. 198,902; May 26; Serial No. 190,071; published Feb. 17, 1925.
Weidner, Alfred E. F., doing business as Fabrik Medizinischer und Kosmetischer Präparate Dr. Alfred E. F. Weidner, Berlin, Germany. Medical and cosmetic soaps. 198,769; May 26; Serial No. 207,603; published Mar. 10, 1925.
Weiner, Louis I., doing business as Tablax Company, New York, N. Y. Antiseptic adhesives. 198,870; May 26; Serial No. 206,705; published Feb. 24, 1925.
Weisker, Charles, doing business as Charles Weisker & Co., New York, N. Y. Ladies' hats. 198,748; May 26; Serial No. 207,906; published Mar. 3, 1925.
West India Oil Company, Bayonne, N. J. Petroleum. 198,732–3; May 26; Serial Nos. 198,599–600; published Mar. 10, 1925.

Western Union Macaroni Manufacturing Co., The, Denver, Colo. Macaroni. 198,951; May 26.
White Eagle Oil and Refining Company, Kansas City, Mo. Automobile lubricating oils. 198,778; May 26; Serial No. 207,159; published Mar. 10, 1925.
White, J. H., & Co., Chicago, Ill. Dressed turkeys. 198,684; May 26; Serial No. 105,576; published Mar. 10, 1925.
White-Stokes Company, Inc., Chicago, Ill. Chocolate powder preparation for hot chocolate. 198,704; May 26; Serial No. 206,337; published Mar. 10, 1925.
Whitman, Stephen F., & Son, Inc., Philadelphia, Pa. Hard-candy sticks. 198,724; May 26; Serial No. 202,428; published Mar. 10, 1925.
Williams, Mastin L., doing business as Phuton Remedy Co., Arkansas City, Kans. Liniment. 198,852; May 26; Serial No. 207,702; published Feb. 24, 1925.
Williamson, H. S., Philadelphia, Pa. Smoked fish. 198,919; May 26; Serial No. 177,943; published Mar. 10, 1925.
Wilson, Andrew, Incorporated, Springfield, N. J. Insecticides. 198,909; May 26; Serial No. 199,446; published Feb. 24, 1925.
Witt's Market House, Minneapolis, Minn. Salt. 198,823; May 26; Serial No. 207,703; published Mar. 10, 1925.
Wolf, Earl D., doing business as Beaute Dear Company, San Francisco, Calif. Cosmetics. 198,868; May 26; Serial No. 206,046; published Feb. 24, 1925.
Wretzner, Sol, and David Laufer. (See Feis, Herman, assignor.)
Zimmermann, Frank L., Chicago, Ill. Almond and cold creams, ice astringent, and skin cleanser. 198,857; May 26; Serial No. 207,606; published Feb. 24, 1925.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Fluxes for soldering metals. 211,887; May 26.
Aetna Radio Panel Co., New York, N. Y. Radiopanels. 209,761; May 26.
Allegretti, Joseph A., Bradford, Pa. Ice cream. 209,017; May 26.
Allen Manufacturing Company, The, Hartford, Conn. Machine screws and threaded metal plugs. 169,271; May 26.
Allen, Mrs. Henry, Topeka, Kans. Cigars. 200,169; May 26.
Almond Smash Co., Inc., Baltimore, Md. Nonalcoholic, noncereal, maltless beverage. 204,948; May 26.
American Cable Company, Inc., Wilmington, Del., and New York, N. Y. Attachments and fittings for wire rope. 208,031; May 26.
American Tablet Co., Green Bay, Wis. Tablets, school papers, and writing papers. 208,371; May 26.
Arabol M'f'g Co., The, New York, N. Y. Waterproofing compound. 212,586; May 26.
Athens Hosiery Mills, Athens, Tenn. Hosiery. 208,738; May 26.
Austin, Nichols & Co. Inc., New Haven, Conn. Cigars. 212,056; May 26.
Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Fertilizers. 209,271; May 26.
Barber, W. H., Company, Minneapolis, Minn. Gasoline. 210,999–211,000; May 26.
Barkann, Milton D., and E. M. Weinberg, New York, N. Y. Dental products made of paper or the like. 210,878–9; May 26.
Barrett Company, The, New York, N. Y. Fuel derived from pitch. 207,913; May 26.
Bay Specialty Company, Martinez, Calif. Wall brackets and chandeliers. 197,985; May 26.
Baxner, Eugene, Newark, N. J. Rings, brooches, bracelets, and stick pins. 207,914; May 26.
Belier, Frank C., doing business as Frank C. Belier & Co., Turlock, Calif. Fresh deciduous and citrous fruits and cantaloupes. 198,728; May 26.
Bennett, John E., San Francisco, Calif. Bath salts. 210,113; May 26.
Bernstein, H., & Co. Inc., Chicago, Ill., and Valparaiso, Ind. Overalls. 211,880; May 26.
Bonwit, Teller & Company, New York, N. Y. Perfumes. 203,367; May 26.
Booth, F. E., Co., San Francisco, Calif. Canned fruits. 212,539; May 26.
Bradshaw and Moore, Limited, Manchester, England. Cotton piece goods. 211,658; May 26.
Broadcaster Corporation, The, Chicago, Ill. Complete radio receiving sets. 209,770; May 26.
Brookhill Products Co. (See Brookman, Ernest G.)
Brookman, Ernest G., doing business as Brookhill Products Co., Los Angeles, Calif. Medicated mineral water, sunburn and facial creams, antiseptic mineral powder, etc. 206,765. May 26.
Bruno, C., & Son, Inc., New York, N. Y. Ukuleles, banjos, mandolins, etc. 209,972; May 26.
Bussing, Charles L., New York, N. Y. Letterheads, envelopes, post cards, etc. 208,222; May 26.
C K Company, The. (See Keith, George R.)
California Metal Enameling Co., Los Angeles, Calif. Porcelain enameled signs. 210,347; May 26.
Caploe, Samuel, Boston, Mass. Candy. 210,043; May 26.
Carpenter Manufacturing Co., The, Norwich, Conn. Piece ribbon. 210,951; May 26.
Case, Jesse A., doing business as Ros-In-Ize, Brockton, Mass. Compound for treating sole leather and the soles and heels of boots and shoes. 211,016; May 26.
Catoe, Leona, doing business as Leno-Reen Mfg. Co., Charlotte, N. C. Hair grower. 211,255; May 26.
Cephalic Company, Waltersboro, S. C. Remedy for headache. 212,058; May 26.
Charleston, Mace E., Seattle, Wash. Phonographic prints. 204,394; May 26.
Chemische Fabriken Dr. Joachim Wiernik & Co. Aktiengesellschaft, Berlin-Waldmannslust, Germany. Antiseptic. 208,381–2; May 26.
Cheney Brothers, South Manchester, Conn. Silk fabrics in the piece. 209,202; May 26.
Chocolaterie-Confiserie Antoine, Brussels, Belgium. Chocolate candy and bonbons. 190,830; May 26.
Colonial Steel Company, Pittsburgh, Pa. Steel plates and bars, crucible, electric, and open-hearth castings and forgings. 206,656; May 26.
Continental Clay Products Company, The, Washington, D. C. Brick, hollow tile, and sewer pipe. 209,620; May 26.
Continental Fibre Company, The, Newark, Del. Laminated material for electrical insulation. 183,695; May 26.
Cook Laboratories, Inc., Chicago, Ill. Hypodermic syringes and needles and syringe outfits. 204,351; May 26.
Cornetta, Henry C., East Boston, Mass. Change of attachments and mechanisms for automatically cutting off the light in moving-picture-projecting machines. 204,352; May 26.
Cox, Chas. M., Co., Boston, Mass. Poultry tonic. 209,157; May 26.
Craig, W. D., Austin, Tex. Preparation for use in the treatment of colds, headache, grippe, and influenza. 211,520; May 26.
Crawford, David N., doing business as The Crawford Press, South Weymouth, Mass. Bottle-top wrappers. 209,625; May 26.
"Dabeg" Maschinenfabriks Aktiengesellschaft, Vienna, Austria. Apparatus for removing oil or grease from steam, steam separators, exhaust heads, etc. 211,834; May 26.
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 212,176; May 26.
Dixie Fireproofing Co., Macon, Ga. Fire brick. 206,064; May 26.
Duluth Show Case Company, Duluth, Minn. Children's sleds. 210,649; May 26.
Dunlop Mills. (See Moore, Warner & Co.)
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Dye pigments and dyestuffs. 212,424–5; May 26.
Eagle Pencil Company, New York, N. Y. Penknives. 207,861; May 26.
Electrical Dealers Supply House, Chicago, Ill. Radio apparatus. 192,320; May 26.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers and units, etc. 210,370–3; May 26.
Emel Packing Company, Seattle, Wash., and Valdez, Alaska. Canned salmon. 212,720; May 26.
Enamel Products Company, The, Cleveland, Ohio. Enameled metal ware. 211,844; May 26.
Evans, James L., Monroe, La. Mange remedy. 212,488; May 26.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Colored pencils. 208,745; May 26.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Rubber erasers. 210,892; May 26.
Faber, Eberhard, Pencil Company, Brooklyn, N. Y. Lead pencils and rubber erasers. 211,021; May 26.
Fairchild Bros. & Foster, New York, N. Y. Savory condimentary food accessory. 209,338; May 26.
Farmers Syndicate, Inc., Cortland, N. Y. Laying mash and scratch grains. 208,802; May 26.
Fine-O-Line Co., The. (See Spillinger, John J.)
Fitzpatrick Bros., Chicago, Ill. Cleaning compound. 211,587; May 26.
Foley & Company, Chicago, Ill. Laxative. 212,603; May 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels, paper napkins, and crêpe paper. 205,692; May 26.
Fortune Products Company, Chicago, Ill. Chocolate. 171,074; May 26.
Foster, James D., doing business as Walkee Horse Co., Cincinnati, Ohio. Hobbyhorses, children's toy vehicles, etc. 185,897; May 26.
Franklin Simon & Co., Inc., New York, N. Y. Perfumizers. 211,671; May 26.
Frost, Herbert H., Incorporated, Chicago, Ill. Loud speakers and amplifying horns. 210,229; May 26.
Fuller Brush Company, The, Hartford, Conn. Vanity cases containing rouge and face powder. 206,663; May 26.
Gambrill, C. A., Manufacturing Company, Incorporated, Ellicott City, Md. Self-rising flour. 206,017; May 26.
General Beverage and Products Co. (See Gordon, William J.)
Gilbert Paper Co., Menasha, Wis. Bond paper. 210,840; May 26.
Gillilander & Sons Inc., Philadelphia, Pa. Illuminating glassware. 212,729–30; May 26.
Glah, Bessie M., doing business as O-Shine-O Products Co., Chicago, Ill. Polish for furniture, autos, etc. 194,601; May 26.
Goldman, Sigmund L., doing business as Red Sun Products Co., Chicago, Ill. Beverage and coloring extracts and syrups for making same. 198,131; May 26.
Goldstein, Al, New York, N. Y. Men's shirts. 212,080; May 26.
Gordon, William J., doing business as General Beverage and Products Co., Lancaster, Ohio. Malt extract. 210,724; May 26.
Graham Paper Company, St. Louis, Mo. Wrapping paper. 208,920; May 26.
Graham Paper Company, St. Louis, Mo. Printing and writing paper. 209,650; May 26.
Grant Brothers, Chicago, Ill. Hair tonic. 211,843; May 26.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Golf balls. 211,844; May 26.
Grit Publishing Co., Williamsport, Pa. Weekly newspaper. 212,081; May 26.
Grosser, B., Sons, Inc., Boston, Mass. Variable air condensers. 207,674; May 26.
Gump Baking Company, Detroit, Mich. Cookies. 210,384; May 26.
Gump Baking Company, Detroit, Mich. Cakes. 210,385; May 26.
Gump Baking Company, Detroit, Mich. Doughnuts. 210,386; May 26.
Halliwell Electric Co., Inc., New York, N. Y. Electric hair driers. 205,271; May 26.
Harris, J. E., Company, The, Wooster, Ohio. Asbestos compounds for waterproofing roofs and the like. 207,301; May 26.
Harrow-Taylor Butter Company, Inc., Kansas City, Mo. Oleomargarine. 210,614; May 26.
Hayden Brothers, Omaha, Nebr. Bluing and ammonia. 211,746; May 26.
Heller Brothers Company, Newark, N. J. Tool steel. 206,784; May 26.
Hello-Pop Company, St. Louis, Mo. Ice-cream confection. 211,592; May 26.
Hobart Manufacturing Company, The, Troy, Ohio. Electric coffee mills, meat and food choppers, tool grinders, etc. 210,124; May 26.
Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Stitched belting duck, cotton duck, paper felts, cotton twills, etc. 209,663; May 26.
Hopkins, Nevil M., doing business as Stratsy Tobacco Company, New York, N. Y. Cigarettes. 210,661–2; May 26.
Hopkins, Nevil M., doing business as Stratsy Tobacco Company, New York, N. Y. Cigarettes. 210,791; May 26.
Hopkins, Nevil M., doing business as Stratsy Tobacco Company, New York, N. Y. Cigarettes. 211,029; May 26.
Hopkins, Sydney B., doing business as The Naturelle Company, New York, N. Y. Phonographs and parts thereof and phonograph supplies. 181,078–4; May 26.
I. C. Candy Co., Brooklyn, N. Y. Caramels. 207,870; May 26.
Ilfelder, B., & Co., New York, N. Y. Parlor board game played with pieces. 210,558; May 26.
Illinois Asbestos Products Company, Chicago, Ill. Insulating material. 209,667; May 26.
Imperial Polish Co., Philadelphia, Pa. Furniture polish. 198,139; May 26.
Implement Trade Journal Company, Kansas City, Mo. Weekly magazine. 209,038; May 26.
Indiana Lamp Company, Connersville, Ind. Electric automobile lamps. 208,985; May 26.
Irving Iron Works Company, Long Island City, N. Y. Metal gratings for floorings and staircases. 194,105; May 26.
Jackson, Beatrice, doing business as Novelty Doll Co., Auburn, N. Y. Dolls. 212,141; May 26.
Jewel Tea Co., Inc., Chicago, Ill. Teas, spices, cocoa, etc. 184,669; May 26.
Kahan, A., & Sons Products Company, St. Louis, Mo. Malt sirup for food purposes. 210,905; May 26.
Kahn, S. H., & Company, New York, N. Y. Cotton wash material in the piece. 209,851; May 26.
Keith, George R., doing business as The C K Company, San Francisco, Calif. Piston rings. 203,523; May 26.
Keymarine Company, The. (See Smith, W. Cover.)
Keystone Publishing Company, The, Philadelphia, Pa. Monthly publication. 208,659; May 26.
Kienzle Uhrenfabriken A. G., Schwenningen-on-the-Neckar, Germany. Apparatus for indicating and recording the mileage and various operations and occurrences in the use of vehicles. 193,465; May 26.
Kirschbaum, A. B., Company, Philadelphia, Pa. Men's and young men's outer suits and overcoats. 211,443; May 26.
Kleinknecht & Brose, Pittsburgh, Pa. Holding and dispensing apparatus for tube receptacles. 194,455; May 26.
Knitwear Promoters, Inc., New York, N. Y. Knitted sweaters. 206,074; May 26.
Krasco Manufacturing Company, Chicago, Ill. Radio receiving sets. 204,101; May 26.
Kronberg, Herman H., doing business as Standard Drug and Sales Company, Philadelphia, Pa. Bay rum, hydrogen peroxide, laxative tablets, etc. 211,277; May 26.
Laclede-Christy Clay Products Company, St. Louis, Mo. Factory cement and bricks. 210,393–4; May 26.
Langdon, Charles H., doing business as Langdon Specialties Company, St. Paul, Minn. Cross-word puzzles. 211,111; May 26.
Lawrence, W. A., Co., Inc., Poughkeepsie, N. Y. Wide elastic fabric suitable for making corsets, etc. 205,425; May 26.
Leno-Reen Mfg. Co. (See Catoe, Leona.)
Liberty Rawhide Mfg. Co. Inc., Chicago, Ill. Drumheads, banjo and tambourine heads. 210,675; May 26.
Liverpool Borax Co. Ltd., The, Liverpool, England. Water-softening crystals. 186,143; May 26.
Lytton, Inc., Chicago, Ill. Radio sets, radio receiving sets, loud speakers, etc. 209,999; May 26.
MacDowell Brothers, Ogdensburg, N. Y. Self-rising flour. 206,910; May 26.
Manhattan Bead Chain Co., New York, N. Y. Imitation-pearl necklaces. 209,485; May 26.
Marathon Fountain Pen Co., New York, N. Y. Fountain pens and pencils. 211,447; May 26.
Markwell Manufacturing Co., Inc., New York, N. Y. Box trucks. 206,795; May 26.
Martin-Copeland Company, Providence, R. I. Parts for radio receiving sets. 210,244; May 26.
Martin, M. F., Portland, Oreg. Preparation for use in treatment of bruises, skin eruptions, etc., in live stock, and for spraying fruits, etc. 211,691; May 26.
McAdoo, John A., Charlotte, N. C. Cigars, cheroots, stogies, and little cigars. 201,202; May 26.
Meador-Grant Macaroni Company, Inc., Mobile, Ala. Macaroni, egg noodles, and spaghetti. 212,341; May 26.
Midland Metal Manufacturing Co., Kansas City, Mo. Vented S traps, ferrules, and connected wastes and overflows. 211,113; May 26.
Miller's, Jacob, Sons Co., Philadelphia, Pa. Flannel, cotton, silk, linen, and mixture piece goods. 200,111; May 26.
Moore, Warner & Co., doing business as Dunlop Mills, Richmond, Va. Wheat flour, feeds for livestock and poultry, corn, barley, etc. 210,570; May 26.
Morkrum-Kleinschmidt Corporation, Chicago, Ill. Printing-telegraph apparatus. 211,486; May 26.
Morrison, Vaughn E., doing business as V. E. M. Company, Detroit, Mich. Telephonic loud speakers and receivers for use with radio receiving apparatus. 194,933; May 26.
Mueller, Heath & Sons, Inc., New York, N. Y. Artificial pearl. 209,424; May 26.
Mulford, H. K., Company, Philadelphia, Pa. Blood coaguiant. 212,502; May 26.
Musical Products Distributing Co. Inc., New York, N. Y. Radiocabinets. 210,918; May 26.
National Carbon Company, Inc., New York, N. Y. Electric batteries. 198,956; May 26.
Naturelle Company, The. (See Hopkins, Sydney B.)
Nelson, Oscar W. H., Lynn, Mass. Toy coasters. 160,020; May 26.
Newcastle Fruit Growers Association, Newcastle, Calif. Fresh deciduous fruits. 212,506; May 26.
New System Manufacturing Company, The, Columbus, Ohio. Bakers' rotating ovens and parts thereof, heating, lighting, and ventilating apparatus. 189,266; May 26.
Novelty Doll Co. (See Jackson, Beatrice.)
O-Shine-O Products Co. (See Glah, Bessie M.)
Ohio Federation of Women's Clubs, Cleveland, Ohio. Monthly magazine. 210,745; May 26.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Page, Fred M., doing business as Fred M. Page & Co., Lynn, Mass. Cleaning powder. 204,927; May 26.
Parfumerie St. Denis, New York, N. Y. Face powders and creams, rouges, bath salts, etc. 211,700; May 26.
Perego, Michele, Renate, Milan, Italy. Cotton blankets, bed covers, coverlets, and bedspreads. 207,256; May 26.
Pfeiffer Insecticide Company, Louisville, Ky. Insecticides. 211,866; May 26.
Phoenix Match Factory. (See Pohl, Eduard.)
Piccadilly Ink Company, Baltimore, Md. Writing fluids, inks, and rubber-stamp pads. 194,078; May 26.
Pierman, A. N., Newark, N. J. Vacuum tube for use in radio apparatuses. 211,224; May 26.
Pohl, Eduard, doing business as Phoenix Match Factory, Viljandi, Esthonia. Matches. 211,797–8; May 26.
Pohl, Eduard, doing business as Phoenix Match Factory, Viljandi, Esthonia. Matches. 211,801; May 26.
Polymet Manufacturing Corporation, New York, N. Y. Electrical attachment plugs. 197,682; May 26.
Polymet Manufacturing Corporation, New York, N. Y. Rheostats. 197,683; May 26.
Porter, Herman P., Washington, D. C. Portable amplifiers. 208,361; May 26.
Presscraft Manufacturing Company, Terre Haute, Ind. Electrical light and signal control switches. 204,195; May 26.
Purity Wool Preparing Company, Peterborough, N. H. Part-felt polishing heels. 211,705; May 26.
Pursch, Abraham, New York, N. Y. Men's, boys', and children's suits and overcoats. 208,532; May 26.
R. A. C. Radio Co., New York, N. Y. Electrical apparatus, machines, and supplies. 204,116; May 26.
Radio Corporation of America, New York, N. Y. Pictures, drawings, and facsimiles transmitted by radio. 208,066; May 26.
Railton, B. A., Co., Chicago, Ill. Nonalcoholic, maltless syrups for making soft drinks. 205,780; May 26.
Red Sun Products Co. (See Goldman, Sigmund L.)
Reis, G., & Bro., Inc., New York, N. Y. Embroidery hoops. 210,927; May 26.
Romort Manufacturing Company, Oakfield, Wis. Free air and water stations for use of automobiles, foot accelerators for automobile engines, etc. 208,162; May 26.
Rost, H., & Co., Hamburg, Germany. Belt dressing and belt dressing for use on balata belting. 211,226; May 26.
Ros-In-Ize. (See Case, Jesse A.)
Sampeck Clothes Inc., New York, N. Y. Woolen fabrics. 211,378; May 26.
Sandstein, Hil, Leipzig, Germany. Wound disinfectant containing mercury. 208,827; May 26.
Schloss, Adolphe, Fils & Cie., Paris, France. Soaps. 208,427; May 26.
Schwab Bros. & Baer, Inc., New York, N. Y. Cigars. 212,204; May 26.
Schwan-Bleistift-Fabrik A.-G., Nuremberg, Germany. Pencils, charcoal, chalk, holders, and refills. 199,851; May 26.
Schwannecke, F. A., Inc., New York, N. Y. Compacts, rouge, camphor ice, etc. 189,867; May 26.
Seatown Novelty Co. Inc., New York, N. Y. Razor strops. 211,185; May 26.
Service Products Manufacturing Co., The, Chicago, Ill. Fluid for cleaning typewriter type, rubber stamps, etc. 212,105; May 26.
Sharpless, P. E., Co., Philadelphia, Pa. Butter and cheese. 211,498; May 26.
Shepard-Potter Company, Inc., assignor to Thermiodyne Radio Corporation, Plattsburg, N. Y. Radio receiving sets and parts thereof. 205,090; May 26.
Simplicator Corporation, New York, N. Y. Hand stamp. 211,762; May 26.
Smith, Harry W., Lordvale, North Grafton, Mass. Section heading for printed matter in a magazine or other periodical. 206,925; May 26.
Smith, James P., & Company, New York, N. Y. Olives and paprika. 194,965; May 26.
Smith, W. Cover, doing business as The Keymarine Company, Keymar, Md. Ointment for treatment of the skin. 211,952; May 26.
Smyth, Ross T., & Co., Limited, Liverpool, England. Wheat flour. 205,092; May 26.
Sparton Oil Company, Inc., Philadelphia, Pa. Lubricating oil, axle grease, gasoline, etc. 208,437; May 26.
Spectro-Chrome Institute, Philadelphia, Pa. Monthly magazine. 195,916; May 26.
Spillinger, John J., doing business as The Fine-O-Line Co., New York, N. Y. Compounds for treating furs and skins. 212,701; May 26.
Spiro, Julius C., New York, N. Y. Neckties, sweaters, ladies' dresses, collars, and cuffs. 208,783; May 26.
Standard Drug and Sales Company. (See Kronberg, Herman H.)
Standard Imports Limited, Montreal, Canada. Canned fish. 205,795; May 26.
Stein, A., & Company, Chicago, Ill. Narrow elastic. 210,584; May 26.
Stimpson, Edwin B., Company, Brooklyn, N. Y. Bobbin heads, perforators, tire clamps, etc. 185,155; May 26.
Stratsy Tobacco Company. (See Hopkins, Nevil M.)
Strauss-Eckardt Co., Inc., New York, N. Y. Dolls, blocks, dominoes, toys, etc. 209,147; May 26.
Stroock, S., & Company, Inc., New York, N. Y. Cloth in the piece made of camel's hair and mohair. 191,988; May 26.
Superior Sash & Door Co., doing business as Syphonix Company, Superior, Wis. Show-case refrigerators. 210,321; May 26.
Syphonix Company. (See Superior Sash & Door Co.)
Taber, George H., Pittsburgh, Pa. Vernier adjusters. 190,181; May 26.
Talens & Son, Inc., Irvington, N. J. Artists' colors, oil and water colors. 210,631; May 26.
Thermiodyne Radio Corporation. (See Shepard-Potter Company.)
Thompson, Joseph N., doing business as George Thompson & Son, New Rochelle and New York, N. Y. Fresh oysters and clams. 209,951; May 26.
Thompson, Joseph N., doing business as George Thompson & Son, New Rochelle and New York, N. Y. Fresh oysters. 209,952; May 26.
Toch Brothers, Incorporated, New York, N. Y. Paint pigments. 211,503; May 26.
Uncle Jerry Sausage Co. (See Wesson, Benzie.)
United Canary Breeders of America, Inc., New York, N. Y. Monthly magazines. 179,602; May 26.
United States Fuel Company, Salt Lake City, Utah. Coal. 210,816; May 26.
V. E. M. Company. (See Morrison, Vaughn E.)
Vitamine Products Company, The, St. Louis, Mo. Digestive tonic. 209,011; May 26.
Vicaudou, V., Inc., New York, N. Y. Face powders and creams, rouges, perfumes, etc. 211,726; May 26.
Walkee Horse Co. (See Foster, James D.)
Walworth Manufacturing Company, Boston, Mass. Wrenches. 211,312; May 26.
Weeks, Chas. M., Co., The, Walden, N. Y. Pencils. 209,825; May 26.
Weidner, Edmund, Berlin, Germany. Soaps. 207,604; May 26.
Weinberg, Emanuel M. (See Barkann, M. D., and Weinberg.)
Wellington, Sears & Company, New York, N. Y. Piece batiste. 211,557; May 26.
Wesson, Benzie, doing business as Uncle Jerry Sausage Co., Chicago, Ill. Sausage and sausage meat. 209,712; May 26.
West Side Creamery Company, Tracy, Calif. Dairy products. 203,703; May 26.
Western Lithograph Company, Los Angeles, Calif. Advertising signs. 207,699; May 26.
White Cross Textile Company, Brooklyn, N. Y. Babies' diapers. 210,206; May 26.
Willhelm Oil Company, St. Paul, Minn. Lubricating oils and greases. 209,817; May 26.
Williams, E. A., & Son, Inc., Jersey City, N. J. Babbitt metal. 207,431; May 26.
Winchester Repeating Arms Co., New Haven, Conn. Batteries and electric hand lamps. 209,888; May 26.
Winkler, O. F., Montpelier, N. Dak. Hair tonic. 211,885; May 26.
Wittstein, Frances H., Newark, N. J. Jewelry. 190,750; May 26.
Wolfson, Isadore D., New York, N. Y. Neckties. 212,311; May 26.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Bags, Coal and coke. Chicago Textile Products Company. 198,679; May 26; Serial No. 204,010; published Mar. 10, 1925.
Burial receptacles. Halsted-Dierks & Co. 198,755; May 26; Serial No. 208,140; published Mar. 10, 1925.
Capsules, Empty. Collapsule Company. 198,830; May 26; Serial No. 208,795; published Mar. 17, 1925.
Dishes, Paper. Indiana Fibre Products Company. 198,838; May 26; Serial No. 208,520; published Mar. 10, 1925.
Pails and cartons, Paper and paperboard. Menasha Printing and Carton Company. 198,703; May 26; Serial No. 206,322; published Mar. 10, 1925.
Plates and dishes, Paper or paperboard. Indiana Fibre Products Company. 198,839; May 26; Serial No. 208,519; published Mar. 10, 1925.

Tanks, Sheet-metal. Puget Sound Sheet Metal Works. 198,708; May 26; Serial No. 206,433; published Mar. 10, 1925.
Tubs, pails, and covers, Wooden. American Ambi Corporation. 198,834; May 26; Serial No. 208,734; published Mar. 10, 1925.

CLASS 4.

Abrasive paper or cloth. Federal Abrasive Works, Inc. 198,758; May 26; Serial No. 206,338; published Mar. 10, 1925.
Abrasive, Paper or cloth coated with a silicon-carbide. Federal Abrasive Works, Inc. 198,759; May 26; Serial No. 206,339; published Mar. 10, 1925.
Buffing wheels. George W. Kyle & Company. 198,801; May 26; Serial No. 190,382; published Mar. 10, 1925.
Creams, Shaving. C. O. Padelford. 198,953; May 26.
Flint and garnet papers and emery cloth. Federal Abrasive Works, Inc. 198,760; May 26; Serial No. 207,924; published Mar. 10, 1925.
Soap. D. F. L. Buck. 198,840; May 26; Serial No. 208,506; published Mar. 10, 1925.
Soap. Swift and Company. 198,767; May 26; Serial No. 207,695; published Mar. 10, 1925.
Soaps, Medical and cosmetic. A. E. F. Weidner. 198,769; May 26; Serial No. 207,603; published Mar. 10, 1925.
Steel wool. International Steel Wool Corporation. 198,746; May 26; Serial No. 207,817; published Mar. 10, 1925.
Washing powder. W. C. Cook. 198,800; May 26; Serial No. 188,986; published Mar. 10, 1925.

CLASS 5.

Cement, Linoleum. Certain-teed Products Corporation. 198,779; May 26; Serial No. 206,995; published Mar. 10, 1925.
Glue, Liquid. Gorton Pew Fisheries Company. 198,683; May 26; Serial No. 205,525; published Mar. 17, 1925.
Paste, glue, mucilage, etc. Library. G. L. Uman. 198,677; May 26; Serial No. 202,725; published Dec. 23, 1924.
Silicate of soda. Philadelphia Quartz Company. 198,672; May 26; Serial No. 205,295; published Mar. 10, 1925.

CLASS 6.

Adhesives, Antiseptic. L. I. Weiner. 198,870; May 26; Serial No. 206,705; published Feb. 24, 1925.
Anæsthetic. Stratford-Cookson Company. 198,985; May 26; Serial No. 202,960; published Mar. 3, 1925.
Antiseptic and deodorant compound. Virginia Dare Extract Company. 198,853; May 26; Serial No. 207,781; published Feb. 24, 1925.
Astringents, astringent cerates, bleach creams, etc. Elms, Inc. 198,810; May 26; Serial No. 208,461; published Mar. 3, 1925.
Base for ointments. P. Beiersdorf & Co. 198,807; May 26; Serial No. 206,502; published Mar. 3, 1925.
Bath crystals. Marshall Field & Company. 198,911; May 26; Serial No. 202,619; published Feb. 17, 1925.
Bleach, Liquid skin. B. Ward Specialty Company. 198,882; May 26; Serial No. 206,870; published Mar. 3, 1925.
Bleaching compound. M. C. Arnold. 198,856; May 26; Serial No. 207,845; published Feb. 24, 1925.
Bleaching powder. Monroe Drug Company. 198,888; May 26; Serial No. 206,020; published Mar. 3, 1925.
Bluing, Jasmine Ink Corporation. 198,926; May 26; Serial No. 163,089; published Aug. 22, 1922.
Cauterising preparation for use by dentists. Schweiz. Serum- & Impfinstitut Bern. 198,912; May 26; Serial No. 203,065; published Feb. 17, 1925.
Chemical products for photographic and photomechanic purposes. Polygraphische Gesellschaft. 198,892; May 26; Serial No. 206,135; published Feb. 24, 1925.
Chemical vaporizing fumigators and liquid insecticides. G. H. Richards Limited. 198,891; May 26; Serial No. 205,175; published Feb. 24, 1925.
Coating compound for increasing the wearing properties of fabrics. G. C. Taylor. 198,917; May 26; Serial No. 183,543; published Mar. 25, 1924.
Color and food colors, Butter. Chr. Hansen's Laboratory, Inc. 198,854; May 26; Serial No. 207,785; published Feb. 24, 1925.
Colorings for food. Price Flavoring Extract Company. 198,850–1; May 26; Serial Nos. 207,684–5; published Feb. 24, 1925.
Colors, Food. Wm. J. Stange Co. 198,933; May 26; Serial No. 201,821; published Mar. 3, 1925.
Compositions for incorporation with paints, etc. Toch Brothers, Incorporated. 198,855; May 26; Serial No. 207,804; published Feb. 24, 1925.
Compounds for use in automobile radiators, Nonfreeze. T. C. Moesman. 198,816; May 26; Serial No. 207,946; published Feb. 24, 1925.
Cosmetics. E. D. Wolf. 198,868; May 26; Serial No. 206,046; published Feb. 24, 1925.
Cream, Cleansing. Schering & Glatz, Inc. 198,820; May 26; Serial No. 207,831; published Feb. 24, 1925.
Cream, Foot. G. M. Goodspeed. 198,914; May 26; Serial No. 203,675; published Feb. 24, 1925.
Cream, Toilet. Artesia Cream Company. 46,930; renewed Oct. 17, 1925.
Creams, ice astringent, and skin cleanser, Almond and cold. F. L. Zimmermann. 198,857; May 26; Serial No. 207,606; published Feb. 24, 1925.
Dental paste. 5 point Product Inc. 198,861; May 26; Serial No. 205,206; published Feb. 24, 1925.
Dyes, dyestuffs, stains, and coloring matter. Dy-O-La Dye Company. 198,880; May 26; Serial No. 206,887; published Mar. 10, 1925.
Exterminator for boll weevils, army worms, potato bugs, etc. W. Strall. 198,915; May 26; Serial No. 204,662; published Feb. 24, 1925.
Face pack, Liquid. B. K. Hartzell. 198,937; May 26; Serial No. 201,956; published Mar. 10, 1925.
Gas in portable tanks. Carbide & Carbon Chemicals Corporation. 198,822; May 26; Serial No. 207,800; published Feb. 24, 1925.
Hairdressing. John P. De May Co. 198,885; May 26; Serial No. 206,515; published Mar. 3, 1925.
Hair tonic. C. A. Waladorf. 198,811; May 26; Serial No. 208,441; published Mar. 3, 1925.
Hair-waving fluid. D. M. Cherry. 198,913; May 26; Serial No. 203,618; published Feb. 17, 1925.
Insecticide spray. Sweet Dreams Company. 198,809; May 26; Serial No. 206,493; published Mar. 3, 1925.
Insecticides. G. W. Gring. 198,849; May 26; Serial No. 207,673; published Feb. 24, 1925.
Insecticides. McCormick & Co. 198,848; May 26; Serial No. 207,667; published Feb. 24, 1925.
Insecticides. Andrew Wilson, Incorporated. 198,909; May 26; Serial No. 199,446; published Feb. 24, 1925.
Insecticides, disinfectants, etc. Bono, Inc. 198,881; May 26; Serial No. 206,876; published Mar. 10, 1925.
Laxative. Wakewell Products Company. 198,886; May 26; Serial No. 206,334; published Mar. 10, 1925.
Laxative confection. J. Goodman. 198,895; May 26; Serial No. 205,006; published Feb. 24, 1925.
Laxative, Tonic. Arnold and Grant. 198,714; May 26; Serial No. 206,712; published Mar. 10, 1925.
Laxatives. F. Auftrichtig. 198,947; May 26; Serial No. 185,171; published Mar. 3, 1925.
Liniment. M. L. Williams. 198,852; May 26; Serial No. 207,702; published Feb. 24, 1925.
Medical preparation. Denver Chemical M'f'g Co. 44,419; renewed July 4, 1925.
Medicinal compound. L. Kahlenberg. 198,869; May 26; Serial No. 206,313; published Feb. 24, 1925.
Medicinal preparation. H. F. Bader. 198,884; May 26; Serial No. 206,651; published Mar. 10, 1925.
Medicinal preparation. Foster-Milburn Co. 198,812; May 26; Serial No. 208,390; published Mar. 3, 1925.
Medicinal preparation. M. S. Solfer. 198,803; May 26; Serial No. 208,620; published Mar. 3, 1925.
Medicinal remedy for piles, sores, and analogous ailments. W. L. Heath. 198,893; May 26; Serial No. 205,064; published Feb. 24, 1925.
Medicine, Antiseptic. G. M. Gordon. 198,742; May 26; Serial No. 206,406; published Feb. 24, 1925.
Medicine for dropsy. W. J. J. Ross. 198,894; May 26; Serial No. 205,032; published Feb. 24, 1925.
Medicine for use in the treatment of coughs, colds, and asthma. Eagle Remedy Company. 198,844; May 26; Serial No. 208,096; published Feb. 24, 1925.
Medicines. Arnold and Grant. 198,715; May 26; Serial No. 206,713; published Mar. 10, 1925.
Medicines. Fansler Manufacturing Company. 198,933; May 26; Serial No. 203,945; published Mar. 10, 1925.
Medicines, Tocological. Dr. Nicanor Bolet, Inc. 198,879; May 26; Serial No. 206,937; published Mar. 3, 1925.
Medicines used for treatment of ear ailments. Detroit Drug Products Co. 198,805; May 26; Serial No. 208,575; published Mar. 3, 1925.
Mineral feed used as a tonic for dairy cattle. Moorman Mfg. Co. 198,883; May 26; Serial No. 206,741; published Mar. 3, 1925.
Mouth wash. J. Romano. 198,931; May 26; Serial No. 204,351; published Mar. 10, 1925.
Nail polish. Tolbar Co. 198,808; May 26; Serial No. 208,404; published Mar. 3, 1925.
Oil, Cod-liver. Eli Lilly and Company. 198,806; May 26; Serial No. 208,528; published Mar. 3, 1925.
Ointment, Skin. J. D. Burke Drug Co. 198,845; May 26; Serial No. 207,613; published Feb. 24, 1925.
Palliative for corns and calli. D. Appel. 198,890; May 26; Serial No. 186,042; published Feb. 17, 1925.
Perfume. Floosy Dental Mfg. Co. 198,942; May 26; Serial No. 190,635; published Feb. 24, 1925.
Perfume, toilet water, and face powder. Frederick Stearns & Company. 198,900; May 26; Serial No. 189,430; published Feb. 17, 1925.
Perfumery. F. Hoyt & Company. 46,216; renewed Sept. 12, 1925.
Perfumery. Tiffin, Inc. 198,873; May 26; Serial No. 206,931; published Feb. 24, 1925.
Perfumes, toilet waters, and toilet powders. Dobbs & Co. 198,817; May 26; Serial No. 207,858; published Feb. 24, 1925.
Perfumes, toilet waters, rouge, etc. Société Worth. 198,850–60; May 26; Serial No. 204,798–9; published Feb. 24, 1925.
Phosphates of magnesium and calcium, Neutral. Lehn & Fink, Inc. 198,871; May 26; Serial No. 206,788; published Feb. 17, 1925.
Powder, Face. B. Lévy. 44,714; renewed July 18, 1925.

Powder, Insect. L. Perrigo Company. 198,897; May 26; Serial No. 159,612; published Feb. 24, 1925.
Powder, rouge, and nail polish, Face. Innovation Specialties Co., Inc. 198,901; May 26; Serial No. 189,930; published Feb. 17, 1925.
Powder, sachet, face powder, etc., Talcum. Maison Mendessolle. 198,889; May 26; Serial No. 205,884; published Mar. 10, 1925.
Powder, toilet creams, and extracts for perfumes, Face. Glebeau Importation Co. 198,828; May 26; Serial No. 207,458; published Mar. 10, 1925.
Powders, bath salts, etc., Toilet and face. Richard Hudnut. 198,827; May 26; Serial No. 207,572; published Mar. 10, 1925.
Powders, etc., Products used for scenting talcum and face. Ungerer & Company. 198,819; May 26; Serial No. 207,837; published Feb. 24, 1925.
Powders for headaches and constipation. Albright Pharmaceutical Laboratories. 198,875; May 26; Serial No. 207,485; published Feb. 24, 1925.
Preparation, Chemical. J. E. Johnson. 198,948; May 26; Serial No. 180,129; published Mar. 10, 1925.
Preparation for curling and waving the hair. H. F. Larkin. 198,884; May 26; Serial No. 205,424; published Feb. 17, 1925.
Preparation for glazing furs and skins. Glazoline Dye & Chemical Co. 198,846; May 26; Serial No. 207,620; published Feb. 24, 1925.
Preparation for hypertension arteriosclerosis, coronary sclerosis, etc. E. Toose & Co. 198,896; May 26; Serial No. 204,530; published Feb. 24, 1925.
Preparation for lumbago and rheumatism. C. R. Farris. 193,905; May 26; Serial No. 193,162; published Feb. 17, 1925.
Preparation for pyorrhea. Tuberosum Pyorrhea Co. 198,946; May 26; Serial No. 187,029; published Feb. 24, 1925.
Preparation for rheumatism, lumbago, etc. L. H. Priest. 198,813; May 26; Serial No. 208,065; published Feb. 24, 1925.
Preparation for the treatment of colds, constipation, indigestion, etc. Houchens Medicine Co. 198,890; May 26; Serial No. 205,758; published Mar. 3, 1925.
Preparation for the treatment of the skin, acne cream, medicated shampoo powder, etc. L. A. Casnati. 198,866; May 26; Serial No. 206,907; published Feb. 17, 1925.
Preparation for the treatment of thyroid intoxication. Parke, Davis & Company. 198,940; May 26; Serial No. 198,670; published Mar. 10, 1925.
Preparation for treatment of the skin. L. A. Casnati. 198,865; May 26; Serial No. 205,906; published Feb. 17, 1925.
Preparation for use as a pain reliever. L. Viraldo. 198,815; May 26; Serial No. 207,954; published Feb. 24, 1925.
Preparation for use in the promotion of the growth of the hair. D. N. Roper. 198,824; May 26; Serial No. 207,687; published Mar. 10, 1925.
Preparations for conditions peculiar to women. Drug Store Products. 198,872; May 26; Serial No. 206,829; published Feb. 24, 1925.
Preparations for use as a hair grower and treatment for dandruff. F. Presbery. 198,934; May 26; Serial No. 203,746; published Mar. 3, 1925.
Radioactive preparations. O. C. Frederiksen. 198,936; May 26; Serial No. 202,938; published Feb. 24, 1925.
Remedy for affections of the respiratory tract, skin affections, etc.; also for veterinary uses. M. Chabonat. 198,930; May 26; Serial No. 204,498; published Feb. 24, 1925.
Remedy for colds, asthma, etc., and also for veterinary uses. M. Chabonat. 198,929; May 26; Serial No. 204,499; published Feb. 24, 1925.
Remedy for corns, calli, warts, and bunions. J. H. Hurd. 198,814; May 26; Serial No. 208,051; published Feb. 24, 1925.
Remedy for piles or hemorrhoids. C. Durant. 198,910; May 26; Serial No. 201,548; published Feb. 24, 1925.
Remedy, Proprietary. Finlay Dicks & Co. Ltd. 46,237; renewed Sept. 12, 1925.
Salt. Independent Salt Company. 198,828; May 26; Serial No. 207,576; published Mar. 10, 1925.
Salt. Independent Salt Company. 198,876; May 26; Serial No. 207,577; published Feb. 24, 1925.
Salt. Witt's Market House. 198,823; May 26; Serial No. 207,703; published Mar. 10, 1925.
Salve for pneumonia, croup, etc. Demetriou and Demetriou. 198,943; May 26; Serial No. 190,578; published Mar. 10, 1925.
Salve for the treatment of congestion and inflammation of the respiratory organs, headache, etc. A. R. Guariglia. 198,825; May 26; Serial No. 207,622; published Mar. 3, 1925.
Salve, Medicinal. Camaffine Laboratories. 198,945; May 26; Serial No. 188,470; published Mar. 3, 1925.
Sealing material for stopping leaks in liquid containers and conduits. Warner-Patterson Company. 198,902; May 26; Serial No. 190,071; published Feb. 17, 1925.
Sedative. Parke, Davis & Company. 198,941; May 26; Serial No. 198,669; published Mar. 10, 1925.
Shampoo. G. Jewell. 198,868; May 26; Serial No. 205,420; published Feb. 17, 1925.
Shampoo, Scalp and hair. Georgia George Beauty Products, Inc. 198,877; May 26; Serial No. 207,457; published Mar. 3, 1925.
Sulphur, Salt block. Stauffer Chemical Company of Texas. 198,847; May 26; Serial No. 207,632; published Feb. 24, 1925.
Suppositories. Parmele Pharmacal Company. 198,804; May 26; Serial No. 208,605; published Mar. 3, 1925.
Tablets, Tonic, contra-dolor, and laxative. M. E. Bacon. 198,910; May 26; Serial No. 204,742; published Feb. 24, 1925.
Toilet preparations, Deodorizing. H. K. Mulford Company. 198,799; published May 26; Serial No. 198,287; published Feb. 17, 1925.
Toilet waters, hair tonics, toilet lotions, etc. Kleeblatt Barbers' Supply Co. 198,858; May 26; Serial No. 204,775; published Feb. 24, 1925.
Tonic. California Wine Grape Products, Inc. 198,878; May 26; Serial No. 206,994; published Mar. 3, 1925.
Tonic. N-Er-G Chemical Co. 198,939; May 26; Serial No. 201,043; published Mar. 10, 1925.
Tonic, General. E. S. Gebhart. 198,887; May 26; Serial No. 206,289; published Mar. 3, 1925.
Tonic, Iron. V V V Drug Co. 198,818; May 26; Serial No. 207,838; published Feb. 24, 1925.
Tonic medicine. M. Walker. 198,821; May 26; Serial No. 207,807; published Mar. 3, 1925.
Tooth paste, tooth powders, and mouth washes. Lufrie Co. 198,903; May 26; Serial No. 191,835; published Feb. 24, 1925.

CLASS 13.

Hardware, Carriage-trimming. Crandal, Stone & Co. 44,629; renewed July 18, 1925.
Metal tubing. Reading Iron Company. 198,712; May 26; Serial No. 206,691; published Mar. 3, 1925.
Nails, tacks, and thumb tacks. Berbecker & Rowland Mfg. Co. 45,074; renewed Aug. 8, 1925.

CLASS 14.

Castings and parts for locomotives and other machinery. Hunt-Spiller Manufacturing Corporation. 198,721; May 26; Serial No. 206,850; published Mar. 10, 1925.
Iron and steel ingots, bars, angles, etc. Arkansas Foundry Co. 198,705; May 26; Serial No. 206,389; published Mar. 10, 1925.
Metal, Antifriction or Babbitt. Findlay & Battle. 46,767; renewed Oct. 10, 1925.

CLASS 15.

Gasoline, kerosene, naphtha, etc. Louisiana Oil Refining Corporation. 198,723; May 26; Serial No. 202,025; published Mar. 10, 1925.
Gasoline, kerosene, naphtha, fuel oil, etc. Louisiana Oil Refining Corporation. 198,725; May 26; Serial No. 202,024; published May 10, 1925.
Gasoline, lubricating oils and greases. Hygrade Oil & Fuel Corporation. 198,729; May 26; Serial No. 201,135; published Mar. 10, 1925.
Oils and greases, gasoline, kerosene, Lubricating. Clayton Oil & Refining Company. 198,689; May 26; Serial No. 205,858; published Mar. 10, 1925.
Oils and greases, Lubricating. Russian Oil Co. 198,761–2; May 26; Serial No. 208,484–5; published Mar. 10, 1925.
Oils and greases, Lubricating. Russian Oil Co. 198,842; May 26; Serial No. 208,486; published Mar. 10, 1925.
Oils and greases, Lubricating. Sinclair Refining Company. 198,843; May 26; Serial No. 208,488; published Mar. 10, 1925.
Oils and lubricating greases. Standard Oil Company (New Jersey). 198,782; May 26; Serial No. 206,927; published Mar. 10, 1925.
Oils, Automobile lubricating. White Eagle Oil and Refining Company. 198,778; May 26; Serial No. 207,159; published Mar. 10, 1925.
Oils, Lubricating. Illinois Oil Company. 198,964; May 26.
Oils, lubricating oils and greases, Fuel. H. L. Parker. 198,676; May 26; Serial No. 202,678; published Mar. 10, 1925.
Petroleum. West India Oil Company. 198,782–3; May 26; Serial Nos. 198,599–600; published Mar. 10, 1925.

CLASS 16.

Japans, varnishes, and paint enamels, Baking. Oxford Varnish Corporation. 198,921; May 26; Serial No. 173,335; published Mar. 10, 1925.
Lithopone. St. Louis Lithopone Company. 198,740; May 26; Serial No. 191,099; published Mar. 10, 1925.
Polish for furniture, automobile bodies, etc. Golden Star Polish Manufacturing Company. 198,680; May 26; Serial No. 204,026; published Mar. 10, 1925.
Polish, Furniture and automobile. B. T. Tilton. 198,788; May 26; Serial No. 187,357; published Mar. 10, 1925.
Turpentine, Substitute for pine. Petroleum Products Corporation. 198,734; May 26; Serial No. 198,471; published Mar. 3, 1925.

CLASS 22.

Billiard-table cushions. Thurston & Company. 198,745; May 26; Serial No. 207,802; published Mar. 10, 1925.

Fishing-line sinkers. The Enterprise Manufacturing Company. 198,763; May 26; Serial No. 207,715; published Mar. 10, 1925.
Fishing reels, reel cases, fishing lines, etc. The Enterprise Manufacturing Company. 198,764; May 26; Serial No. 207,712; published Mar. 10, 1925.
Game, Table board. H. Chefko. 198,736; May 26; Serial No. 197,187; published Mar. 17, 1925.
Games and dice-shaking devices. F. R. Barnard. 198,673; May 26; Serial No. 205,806; published Mar. 10, 1925.
Games, Cross-word. Crosticon Company. 198,744; May 26; Serial No. 207,780; published Mar. 10, 1925.
Minnows, Phantom. Enterprise Manufacturing Company. 198,743; May 26; Serial No. 207,731; published Mar. 10, 1925.
Scooters and velocipedes, Three-wheeled. National Package Products Co. 198,671; May 26; Serial No. 205,290; published Mar. 10, 1925.
Toy scooter. Junior Wheel Goods Co. 198,956; May 26.
Wagons, Coaster. Lewis E. Myers and Company. 198,741; May 26; Serial No. 190,934; published Mar. 17, 1925.

CLASS 23.

Augers, hand drills, bench hooks, etc. Millers Falls Company. 198,790; May 26; Serial No. 184,676; published Mar. 10, 1925.
Carburetors, fuel pumps, etc. Robert Bosch Aktiengesellschaft. 198,925; May 26; Serial No. 170,366; published Mar. 10, 1925.
Engines and machines and spare parts of same. A. Citroën. 198,731; May 26; Serial No. 200,092; published Mar. 10, 1925.
Flooring, Apparatus for setting the planks of parquet and other. K. Dombkowski. 198,786; May 26; Serial No. 189,96; published Mar. 10, 1925.
Grain separating and cleaning machines and automatic weighing feeders. Carter-Mayhew Manufacturing Company. 198,965; May 26.
Hammers, stone points and wedges, and chisels. J. Kormos. 198,920; May 26; Serial No. 173,712; published Mar. 10, 1925.
Scissors, knives, hammers, etc. Oetling Gebruder. 198,783; May 26; Serial No. 190,426; published Mar. 10, 1925.
Sharpeners, Knife. Keeno Corporation. 198,730; May 26; Serial No. 200,769; published Mar. 10, 1925.
Spooling, winding, twisting, doubling, etc., machines, spindles, etc. Maschinenfabrik Schweiter A.-G. (Textile Machine Works Schweiter Limited). 198,713; May 26; Serial No. 205,078; published Mar. 10, 1925.
Syringes for injecting fluid into the ground for exterminating insects, etc. Deutsche Gold- und Silber-Scheideanstalt vormals Roessler. 198,932; May 26; Serial No. 204,226; published Mar. 10, 1925.
Wrenches. Bonney Forge & Tool Works. 198,784; May 26; Serial No. 190,188; published Mar. 10, 1925.

CLASS 32.

Counters, shelving, display cases, desks, and display tables. Eugene Straus Cabinet Works, Incorporated. 198,738; May 26; Serial No. 196,485; published Mar. 10, 1925.
Creepers, Walking. P. B. Rutan & Son. 198,771; May 26; Serial No. 207,595; published Mar. 10, 1925.
Living-room suites. C. H. Hartshorn, Inc. 198,957; May 26.
Shade rollers, Window. Columbia Mills, Incorporated. 198,959; May 26.

CLASS 36.

Pianos. Hamilton Organ Company. 47,072; renewed Oct. 24, 1925.

CLASS 37.

Paper bags, paper napkins, and toilet paper. A. B. C. Stores, Incorporated. 198,908; May 26; Serial No. 196,282; published Nov. 18, 1924.
Papers, Toilet. Albany Perforated Wrapping Paper Co. 46,762; renewed Oct. 10, 1925.
Pencils and fountain pens, Mechanical. Parker Pen Co. 198,667; May 26; Serial No. 204,784; published Mar. 10, 1925.
Pencils, pastel crayons, etc., Lead. J. M. Illfelder. 198,789; May 26; Serial No. 185,928; published Mar. 3, 1925.

CLASS 38.

Bulletins and circulars. Central Council for Nursing Education. 198,726; May 26; Serial No. 202,002; published Mar. 10, 1925.
Manikins, Anatomical. American Thermo-Ware Company. 198,950; May 26.
Newspaper column, Title of a. D. L. Darsie. 198,681; May 26; Serial No. 204,161; published Mar. 10, 1925.
Periodicals. Orange Judd Company. 46,134; renewed Sept. 5, 1925.
Pictures, illustrations, display cards, and posters. Meriden Gravure Company. 198,785; May 26; Serial No. 190,171; published Mar. 10, 1925.

CLASS 39.

Blouses, flannel, chambrays, etc., Silk, cotton, and wool. H. J. Holman & Sons Inc. 198,772; May 26; Serial No. 207,570; published Mar. 10, 1925.
Boots and shoes. Commonwealth Shoe & Leather Company. 198,781; May 26; Serial No. 206,943; published Mar. 3, 1925.
Boots and shoes. Red Wing Shoe Company. 198,737; May 26; Serial No. 196,675; published Mar. 10, 1925.
Boots and shoes, Ladies'. Burrows Shoe Company. 198,768; May 26; Serial No. 207,650; published Mar. 3, 1925.
Boots, shoes, and slippers, and heels for boots, shoes, and slippers. M. Samuels & Co. 198,682; May 26; Serial No. 205,446; published Mar. 10, 1925.
Corset and brassières, Combination. Benjamin & Johnes. 198,766; May 26; Serial No. 207,707; published Mar. 3, 1925.
Corsets. Camlin Corset Co. 198,837; May 26; Serial No. 208,587; published Mar. 10, 1925.
Corsets and brassières. Beauty Brassiere Company. 198,777; May 26; Serial No. 207,220; published Mar. 3, 1925.
Fur coats, wraps, boas, etc. J. Eckstein's Sons, Inc. 198,918; May 26; Serial No. 181,016; published Mar. 10, 1925.
Fur garments. Feldbaum & Spiegel, Inc. 198,710; May 26; Serial No. 206,510; published Feb. 24, 1925.
Garters. H. Johnston. 198,702; May 26; Serial No. 206,311; published Mar. 3, 1925.
Garters, hose supporters, and arm bands, Men's and women's. Beyerle Mfg. Co. 198,752; May 26; Serial No. 208,038; published Mar. 3, 1925.
Gloves, Leather. J. H. Minster. 198,836; May 26; Serial No. 206,600; published Mar. 10, 1925.
Hats and babies' bonnets, Misses' and children's. Jacob Auslander & Son Inc. 198,773; May 26; Serial No. 207,545; published Mar. 10, 1925.
Hats and caps. Burditt-MacGregor Corporation. 198,927; May 26; Serial No. 159,493; published Mar. 3, 1925.
Hats and caps, Men's and boys'. Crescent Hat & Cap Company. 195,716–17; May 26; Serial Nos. 206,722–3; published Mar. 3, 1925.
Hats, Ladies'. B. G. Behrman, Inc. 198,841; May 26; Serial No. 208,501; published Mar. 10, 1925.
Hats, Ladies'. C. Weisker. 198,748; May 26; Serial No. 207,906; published Mar. 3, 1925.
Hats, Men's. H. Silverstein. 198,711; May 26; Serial No. 206,643; published Mar. 3, 1925.
Hose-suspender grip. H. Dahms. 198,728; May 26; Serial No. 201,333; published Feb. 17, 1925.
Hosiery. Sperry & Hutchinson Company. 198,753; May 26; Serial No. 208,074; published Mar. 10, 1925.
Hosiery, underwear, and sweaters. S. Cohen. 198,798; May 26; Serial No. 195,948; published Mar. 10, 1925.
Hosiery, underwear, and sweaters, Knit. Knoxville Knitting Mills Co. 198,792; May 26; Serial No. 206,580; published Mar. 10, 1925.
Insoles. J. D. Coleman. 198,669; May 26; Serial No. 205,050; published Mar. 3, 1925.
Neckbands. Gerstein Brothers. 198,751; May 26; Serial No. 207,920; published Mar. 10, 1925.
Overalls, jumpers, shirts, trousers, children's rompers, and one-piece suits. Bayly Underhill Mfg. Co. 198,760; May 26; Serial No. 208,448; published Mar. 10, 1925.
Rubber overshoes, Baltic India Rubber Company "Quadrat." 198,796; May 26; Serial No. 202,318; published Mar. 10, 1925.
Sanitary apron in the form of bloomers. M. S. Hulley. 198,690; May 26; Serial No. 205,874; published Mar. 10, 1925.
Shoes. Eureka Shoe Mfg. Co. 198,928; May 26; Serial No. 151,537; published Mar. 10, 1925.
Shoes. Genuine Dr. Pilzer's Shoe Company. 198,898; May 26; Serial No. 176,279; published Mar. 10, 1925.
Shoes. International Shoe Company. 198,701; May 26; Serial, No. 206,807; published Mar. 3, 1925.
Shoes and slippers. Joseph Strasburger Co. 198,718; May 26; Serial No. 206,756; published Mar. 3, 1925.
Shoes, Children's. C. Gotzian & Company. 198,756; May 26; Serial No. 208,188; published Mar. 10, 1925.
Shoes, Leather. F. G. Delbon. 198,735; May 26; Serial No. 198,057; published Mar. 3, 1925.
Ties and cravats. Friedman Bros. & Sons Neckwear Co. 198,757; May 26; Serial No. 208,289; published Mar. 10, 1925.
Trousers, knickerbockers, suits, and overcoats. House of Friedman Bros. Inc. 198,775; May 26; Serial No. 207,462; published Mar. 10, 1925.
Undergarments and hosiery. R. W. Spain. 198,797; May 26; Serial No. 201,108; published Mar. 10, 1925.
Undergarments, One-piece. McDonalds, Limited. 198,685; May 26; Serial No. 205,650; published Feb. 24, 1925.

CLASS 40.

Pins, Toilet. Jewell Pin Co. 26,432; renewed Apr. 23, 1925.

CLASS 42.

Cotton piece goods. Cohn Hall Marx Co. 198,952; May 26.
Cotton sheetings and drillings. Brandon Mills. 46,782; renewed Oct. 10, 1925.
Knitted fabrics of wool, silk, artificial silk, cotton, and mixtures of the same. Artsilk Knitting Mills. 198,944; May 26; Serial No. 189,296; published Mar. 3, 1925.

Sheetings and drills. Peizer M'f'g Co. 44,843; renewed July 25, 1925.
Sheetings and drillings. Piedmont Mfg. Co. 46,718; renewed Oct. 3, 1925.
Textile fabrics. Max Kaufmann & Co. 198,787; May 26; Serial No. 189,412; published Mar. 3, 1925.
Velvets in the piece. Salt's Textile Company. 198,678; May 26; Serial No. 208,591; published Feb. 24, 1925.

CLASS 44.

Dentistry appliance for the alleviation of pain. Oratunder Corporation. 198,747; May 26; Serial No. 207,823; published Mar. 10, 1925.
Electrotherapeutic device. Sun-Ray Healer Company. 198,697; May 26; Serial No. 206,095; published Mar. 10, 1925.
Trusses, elastic hosiery, braces, etc. William M. Elsen Company. 198,693; May 26; Serial No. 205,914; published Mar. 10, 1925.

CLASS 45.

Beverage sold as a soft drink. G. Caltis. 198,692; May 26; Serial No. 205,902; published Mar. 10, 1925.
Beverages. Big Bill Bottling Co. 198,794; May 26; Serial No. 204,694; published Mar. 17, 1925.
Beverages sold as soft drinks. Almond-Smash Co. 198,668; May 26; Serial No. 204,949; published Mar. 10, 1925.

CLASS 46.

Apricots, figs, pears, cherries, plums, peaches, and nuts, Fresh. C. R. Van Buskirk. 198,906; May 26; Serial No. 194,633; published Mar. 10, 1925.
Bran. Kellogg Company. 198,949; May 26.
Cake icings, Prepared. James P. Smith & Company. 198,674; May 26; Serial No. 205,360; published Mar. 10, 1925.
Candy. Julia King Incorporated. 198,829; May 26; Serial No. 208,911; published Mar. 17, 1925.
Candy. Minter Brothers. 198,709; May 26; Serial No. 206,488; published Mar. 10, 1925.
Candy bars. Chocolate-coated. D. E. Crutcher Co. 198,707; May 26; Serial No. 206,401; published Mar. 10, 1925.
Candy—namely, Nougats. Mistress Julia C. Steven, Inc. 198,754; May 26; Serial No. 208,077; published Mar. 17, 1925.
Candy sticks, Hard. Stephen F. Whitman & Son, Inc. 198,724; May 26; Serial No. 202,428; published Mar. 10, 1925.
Canned and preserved fruits and vegetables. Wm. Numsen & Sons, Inc. 46,374; renewed Sept. 12, 1925.
Canned fish. Neptune Sea Food Company. 198,963; May 26.
Canned fruits and vegetables. Charles E. Moody & Co. 46,848; renewed Oct. 10, 1925.
Canned fruits and vegetables. Albert W. Sisk & Son. 198,770; May 26; Serial No. 207,598; published Mar. 10, 1925.
Canned mackerel, kipper snacks, and sardines. W. Lichtenstein. 198,663; May 26; Serial No. 204,240; published Mar. 10, 1925.
Canned peas and vegetables. Kroger Grocery & Baking Co. 198,722; May 26; Serial No. 202,509; published Mar. 10, 1925.
Canned sardines. Strohmeyer & Arpe Company. 198,666; May 26; Serial No. 204,425; published Mar. 10, 1925.
Canned vegetables. Minnesota Valley Canning Co. 198,727; May 26; Serial No. 201,573; published Mar. 17, 1925.
Celery. A. J. Sorbello. 198,774; May 26; Serial No. 207,531; published Mar. 17, 1925.
Cheese. Sierra Food Company. 198,961; May 26.
Chocolate. Suchard, S. A. 198,665; May 26; Serial No. 204,252; published Mar. 10, 1925.
Chocolate coating. Ideal Cocoa & Chocolate Co. 198,695; May 26; Serial No. 206,072; published Mar. 10, 1925.
Chocolate powder. White-Stokes Company. 198,704; May 26; Serial No. 206,337; published Mar. 10, 1925.
Coffee. R. A. S. Beauchamp. 198,749; May 26; Serial No. 207,915; published Mar. 10, 1925.
Coffee. Grand Union Tea Co. 46,833; renewed Oct. 10, 1925.
Coffee. L. G. Martinez. 198,867; May 26; Serial No. 206,013; published Feb. 10, 1925.
Coffee. McCord-Stewart Co. 198,874; May 26; Serial No. 207,089; published Mar. 17, 1925.
Coffee. Nash-Smith Tea & Coffee Company. 46,198; renewed Sept. 12, 1925.
Coffee and spices. Reid, Murdoch & Co. 198,802; May 26; Serial No. 191,093; published Mar. 10, 1925.
Eggs. H. E. Cushman. 198,958. May 26.
Eggs, baby chicks, and live mature fowls. E. W. Engstrom. 198,694; May 26; Serial No. 205,915; published Mar. 10, 1925.
Feed, Mixed dairy. Vitamin Co. 198,960; May 26.
Feed, Poultry. P. J. Hanft. 198,955; May 26.
Figs, Sweet pickled. Food Products Co. 198,719; May 26; Serial No. 206,774; published Mar. 10, 1925.
Fish, Smoked. E. S. Williamson. 198,919; May 26; Serial No. 177,943; published Mar. 10, 1925.
Flavoring extracts. Price Flavoring Extract Company. 198,922–3; May 26; Serial Nos. 172,766–7; published Mar. 10, 1925.
Flavoring extracts, Food. Fries & Fries Co. 198,698–9; May 26; Serial Nos. 206,162–3; published Mar. 10, 1925.
Fruits and vegetables. Wm. Numsen & Sons, Inc. 46,372–3; renewed Sept. 12, 1925.
Fruits and vegetables and fruit and vegetable preserves and jellies. Wm. Numsen & Sons, Inc. 46,376; renewed Sept. 12, 1925.
Fruits, dried prunes, and potatoes, Fresh. J. & G. Lippmann Incorporated. 198,691; May 26; Serial No. 205,880; published Mar. 10, 1925.
Fruits, Fresh citrous. Lake Garfield Citrus Growers Ass'n. 198,776; May 26; Serial No. 207,247; published Mar. 17, 1925.
Fruits, Fresh citrous. Polk County Citrus Sub-Exchange. 198,686; May 26; Serial No. 205,709; published Mar. 10, 1925.
Fruits or vegetables in tin or glass. Wm. Numsen & Sons, Inc. 46,375; renewed Sept. 12, 1925.
Grape products, Wine. California Wine Grape Products, Inc. 198,780; May 26; Serial No. 206,993; published Mar. 10, 1925.
Grapes, Fresh. Crown Fruit Co. 198,670; May 26; Serial No. 205,203; published Mar. 10, 1925.
Grapes, Fresh. Pioneer Fruit Company. 198,835; May 26; Serial No. 208,609; published Mar. 10, 1925.
Grapes, plums, and peaches, Fresh. B. F. List. 198,907; May 26; Serial No. 194,929; published Feb. 10, 1925.
Hams and bacon. Pacific Land & Cattle Co. 198,793; May 26; Serial No. 208,024; published Mar. 10, 1925.
Honey. E. Spokane. 198,696; May 26; Serial No. 206,093; published Mar. 10, 1925.
Ice-cream cones. Bessire & Company. 198,904; May 26; Serial No. 192,664; published Apr. 29, 1924.
Jellies, Fruit. Anc-Co Preserving Co. 198,700; May 26; Serial No. 206,270; published Mar. 10, 1925.
Jellies, jams, fruit butters, and preserves. Squire Dingee Company. 198,688; May 26; Serial No. 205,794; published Mar. 10, 1925.
Jellies, jams, fruit butters, etc. Squire Dingee Company. 198,687; May 26; Serial No. 205,790; published Mar. 10, 1925.
Macaroni. Western Union Macaroni Manufacturing Co. 198,951; May 26.
Milk, Evaporated. Detroit Commerce Company. 198,795; May 26; Serial No. 203,301; published Mar. 10, 1925.
Oil, Cottonseed salad. C. F. Martorelli and Mrs. L. Gaetano. 198,675; May 26; Serial No. 205,427; published Mar. 10, 1925.
Oil, Salad. Swift and Company. 198,705; May 26; Serial No. 205,381; published Mar. 10, 1925.
Oil, vinegar, tea, etc., Salad. San Francisco Grocery Co. 198,791; May 26; Serial No. 207,101; published Mar. 10, 1925.
Oranges, lemons, and grapefruit. A. S. Holden. 198,831–3; May 26; Serial Nos. 206,762–4; published Mar. 17, 1925.
Poultry, Dressed. Fremont Packing Company. 198,962; May 26.
Raisins, Dried. American Seedless Raisin Company. 198,862; May 26; Serial No. 205,257; published Mar. 17, 1925.
Sardines. W. Lichtenstein. 198,662; May 26; Serial No. 204,238; published Mar. 10, 1925.
Sardines packed in olive oil. W. Lichtenstein. 198,664; May 26; Serial No. 204,241; published Mar. 10, 1925.
Shortening. Anaheim Beef Company. 198,954; May 26.
Sirup, Pure-malt-extracts. H. Fels. 198,739; May 26; Serial No. 192,568; published Mar. 10, 1925.
Spices. Grand Union Tea Co. 46,705; renewed Oct. 3, 1925.
Teas. Grand Union Tea Co. 46,832; renewed Oct. 10, 1925.
Turkeys, Dressed. J. H. White & Co. 198,684; May 26; Serial No. 205,576; published Mar. 10, 1925.
Vanilla-extract substitute. A. Harrison. 198,720; May 26; Serial No. 206,847; published Mar. 10, 1925.
Vegetables, Fresh. Buffalo Vegetable Marketing Co. 198,924; May 26; Serial No. 171,890; published Mar. 10, 1925.

CLASS 48.

Beer, beer powder. O. Reichel. 198,661; May 26; Serial No. 205,297; published Mar. 10, 1925.
Malt extract for beverage-making purposes. Bielek Mfg. Co. 198,765; May 26; Serial No. 207,708; published Mar. 10, 1925.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. United States Fuel Company. 210,816; May 26.
Fuel for metallurgical purposes. Barrett Company. 207,913; May 26.

CLASS 4.

Belt dressing. H. Rost & Co. 211,226; May 26.
Cleaning compound. Fitzpatrick Bros. 211,587; May 26.
Cleaning fluid for typewriter type, rubber stamps, etc. Service Products Manufacturing Co. 212,105; May 26.
Cleaning powder. F. M. Page. 204,927; May 26.
Compound for treating sole leather and the soles and heels of boots and shoes. J. A. Case. 211,016; May 26.
Polishing wheels. Purity Wool Preparing Company. 211,705; May 26.
Razor strops. Seatown Novelty Co. 211,185; May 26.
Soaps. Adolphe Schloss Fils & Cie. 208,421; May 26.
Soaps. E. Weidner. 207,604; May 26.

CLASS 6.

Antiseptic. Chemische Fabriken Dr. Joachim Wiernik & Co. Aktiengesellschaft. 206,381–2; May 26.
Bath salts. J. E. Bennett. 210,113; May 26.
Bay rum, hydrogen peroxide, laxative tablets, etc. H. H. Kronberg. 211,277; May 26.
Blood coagulant. H. K. Mulford Company. 212,502; May 26.
Bluing and ammonia. Hayden Brothers. 211,746; May 26.
Compacts, lip sticks, rouge, etc. F. A. Schwannecke, Inc. 189,867; May 26.
Disinfectant containing mercury, Wound. H. Sandstein. 208,827; May 26.
Dye pigments and dyestuffs. E. I. du Pont de Nemours and Company. 212,424–5; May 26.
Fluxes for soldering metals. Actien-Gesellschaft für Anilin-Fabrikation. 211,887; May 26.
Furs and skins, Compounds for treating. J. J. Spillinger. 212,701; May 26.
Hair grower. L. Catoe. 211,255; May 26.
Hair tonic. Grant Brothers. 211,843; May 26.
Hair tonic. D. F. Winkler. 211,885; May 26.
Insecticides. Pfeiffer Insecticide Company. 211,866; May 26.
Laxative. Foley & Company. 212,603; May 26.
Mineral water, facial cream, tooth powder, etc., Medicated. E. G. Brookman. 206,765; May 26.
Ointment for the skin. W. C. Smith. 211,952; May 26.
Perfumes. Bonwit, Teller & Company. 203,367; May 26.
Powders and creams, rouge, perfumes, etc., Face. V. Vivaudou, Inc. 211,726; May 26.
Powders and creams, toilet waters, rouges, etc., Face. Parfumerie St. Denis. 211,700; May 26.
Preparation for use in the treatment of bruises, etc., of live stock and as a fumigant for spraying fruits, etc. M. F. Martin. 211,691; May 26.
Preparation for use in the treatment of colds, headache, etc. W. D. Craig. 211,520; May 26.
Remedy for headache. Cephalic Company. 212,058; May 26.
Remedy for mange. J. L. Evans. 212,488; May 26.
Tonic, Digestive. Vitamine Products Company. 209,011; May 26.
Tonic, Poultry. Chas. M. Cox Co. 209,157; May 26.
Vanity cases containing rouge and face powder. Fuller Brush Company. 206,663; May 26.
Waterproofing compound. Arabol M'f'g Co. 212,586; May 26.
Water-softening crystals. Liverpool Borax Co. Ltd. 186,143; May 26.

CLASS 9.

Matches. E. Pohl. 211,797–8; May 26.
Matches. E. Pohl. 211,801; May 26.

CLASS 10.

Fertilizers. Badische Anilin- & Soda-Fabrik. 209,271; May 26.

CLASS 11.

Writing fluids, stencil and other inks, etc. Piccadilly Ink Company. 194,078; May 26.

CLASS 12.

Brick, Fire. Dixie Fireproofing Co. 206,064; May 26.
Brick, hollow tile, and sewer pipe. Continental Clay Products Company. 209,620; May 26.
Cement and bricks, Factory. Laclede-Christy Clay Products Company. 210,393–4; May 26.
Gratings, Metal. Irving Iron Works Company. 194,105; May 26.
Insulating material. Illinois Asbestos Products Company. 209,667; May 26.
Roofs, etc., Asbestos compounds for waterproofing. J. E. Harris Company. 207,301; May 26.

CLASS 13.

Enameled metal ware. Enamel Products Company. 211,344; May 26.
Machine screws and threaded metal plugs. Allen Manufacturing Company. 169,271; May 26.
Steam, steam separators, exhaust heads, steam traps, etc., Apparatus for removing oil or grease from. "Dabeg" Maschinenfabriks Aktiengesellschaft. 211,334; May 26.
Traps, ferrules, and connected wastes and overflows, Vented S. Midland Metal Manufacturing Co. 211,118; May 26.
Tube receptacles, Holding and dispensing apparatus for. Kleinknecht & Brose. 194,455; May 26.
Wire rope, comprising sockets, eyes, sleeves, etc., Attachments and fittings for. American Cable Company. 208,081; May 26.

CLASS 14.

Metal, Babbitt. E. A. Williams & Son, Inc. 207,431; May 26.
Steel plates and bars, crucible, electric, and open-hearth castings and forgings. Colonial Steel Company. 206,856; May 26.
Steel, Tool. Heller Brothers Company. 206,784; May 26.

CLASS 15.

Gasoline. W. H. Barber Company. 210,999–211,000; May 26.
Oil, axle grease, gasoline, etc., Lubricating. Sparton Oil Company. 208,437; May 26.
Oils and greases, Lubricating. Willhelm Oil Company. 209,517; May 26.

CLASS 16.

Colors, Artists' and oil and water. Talens & Son, Inc. 210,631; May 26.
Paint pigments. Toch Brothers, Incorporated. 211,508; May 26.
Polish for furniture, autos, pianos, etc. B. M. Gish. 194,601; May 26.
Polish, Furniture. Imperial Polish Co. 198,139; May 26.

CLASS 17.

Cigarettes. N. M. Hopkins. 210,661–2; May 26.
Cigarettes. N. M. Hopkins. 210,791; May 26.
Cigarettes. N. M. Hopkins. 211,029; May 26.
Cigars. Mrs. H. Allen. 200,169; May 26.
Cigars. Austin, Nichols & Co. 212,056; May 26.
Cigars. Schwab Bros. & Baer, Inc. 212,204; May 26.
Cigars, cheroots, stogies, and little cigars. J. A. McAdoo. 201,202; May 26.

CLASS 19.

Trucks, Box. Markwell Manufacturing Co. 206,795; May 26.

CLASS 21.

Air condensers, Variable. B. Grosser Sons, Inc. 207,674; May 26.
Amplifiers, Portable. H. P. Porter. 208,361; May 26.
Batteries and electric hand lamps. Winchester Repeating Arms Co. 209,888; May 26.
Batteries, Electric. National Carbon Company. 198,956; May 26.
Coffee mills, meat and food choppers, etc., Electric. Hobart Manufacturing Company. 210,124; May 26.
Electric hair driers. Halliwell Electric Co. 205,271; May 26.
Electrical apparatus, machines, and supplies. R. A. C. Radio Co. 204,116; May 26.
Electrical attachment plugs. Polymet Manufacturing Corporation. 197,682; May 26.
Insulation, Laminated material for electrical. Continental Fibre Company. 183,695; May 26.
Lamps, Electric automobile. Indiana Lamp Company. 208,985; May 26.
Loud speakers and amplifying horns. Herbert H. Frost, Incorporated. 210,229; May 26.
Radio apparatus. Electrical Dealers Supply House. 192,320; May 26.
Radiopanels. Aetna Radio Panel Co. 209,761; May 26.
Radio receiving sets. Broadcaster Corporation. 209,770; May 26.
Radio receiving sets. Krusco Manufacturing Company. 204,101; May 26.

Radio receiving sets and parts thereof. Shepard-Potter Company. 205,090; May 26.
Radio receiving sets, loud speakers and units, plugs, etc. Electrical Research Laboratories, Inc. 210,370–3; May 26.
Radio receiving sets, Parts for. Martin Copeland Company. 210,244; May 26.
Radio sets, radio receiving sets, loud speakers, etc. Lytton, Inc. 209,999; May 26.
Rheostats. Polymet Manufacturing Corporation. 197,683; May 26.
Switches, Electrical light and signal control. Presscraft Manufacturing Company. 204,195; May 26.
Telegraphic apparatus, Printing. Morkrum-Kleinschmidt Corporation. 211,486; May 26.
Telephonic loud speakers and receivers. V. E. Morrison. 194,933; May 26.
Vacuum tube for use in radio apparatus. A. N. Pierman. 211,224; May 26.
Vernier adjusters. G. H. Taber. 190,181; May 26.
Wall brackets and chandeliers. Bay Specialty Company. 197,985; May 26.

CLASS 22.

Balls, Golf. W. T. Grant Company. 211,844; May 26.
Dolls. B. Jackson. 212,141; May 26.
Dolls, blocks, dominoes, toys, etc. Strauss-Eckardt Co. 209,147; May 26.
Game played with pieces. Parlor board. B. Illfelder & Co. 210,558; May 26.
Hobbyhorses, children's toy vehicles, etc. J. D. Foster. 185,897; May 26.
Puzzles, Cross-word. C. H. Langdon. 211,111; May 26.
Sleds, Children's. Duluth Show Case Company. 210,649; May 26.
Toy coasters. O. W. H. Nelson. 160,020; May 26.

CLASS 23.

Air and water stations for use of automobiles, foot accelerators for automobile engines, etc., Free. Romort Manufacturing Company. 208,162; May 26.
Bobbin heads, perforators, tire clamps, etc. Edwin B. Stimpson Company. 185,155; May 26.
Knives, Pen. Eagle Pencil Company. 207,861; May 26.
Wrenches. Walworth Manufacturing Company. 211,312; May 26.

CLASS 26.

Mileage and various operations and occurrences in the use of vehicles, Apparatus for indicating and recording the. Kienzle Uhrenfabriken A. G. 193,465; May 26.
Picture-projecting machines, Change of attachments and mechanisms for automatically cutting off the light in moving-. H. C. Cornetta. 204,352; May 26.

CLASS 28.

Jewelry. F. H. Wittstein. 190,750; May 26.
Necklaces, Imitation-pearl. Manhattan Bead Chain Co. 209,485; May 26.
Pearl, Artificial. Mueller, Heath & Sons, Inc. 209,424; May 26.
Rings, brooches, bracelets, and stick pins. E. Baxner. 207,914; May 26.

CLASS 31.

Refrigerators, Show-case. Superior Sash & Door Co. 210,321; May 26.

CLASS 32.

Radiocabinets. Musical Products Distributing Co. 210,918; May 26.

CLASS 33.

Glassware, Illuminating. Gillinder & Sons Inc. 212,729–30; May 26.

CLASS 34.

Ovens and parts thereof, heating, lighting, and ventilating apparatus, Bakers' rotating. New System Manufacturing Company. 189,266; May 26.

CLASS 35.

Piston rings. G. R. Keith. 203,523; May 26.

CLASS 36.

Drumheads, banjo and tambourine heads. Liberty Rawhide Mfg. Co. 210,675; May 26.
Phonographs and parts thereof and phonograph supplies. S. B. Hopkins. 181,073–4; May 26.
Ukuleles, banjos, mandolins, etc. C. Bruno & Son, Inc. 200,972; May 26.

CLASS 37.

Erasers, Rubber. Eberhard Faber Pencil Company. 210,892; May 26.
Letterheads, envelopes, post cards, etc. C. L. Bussing. 208,222; May 26.
Paper, Bond. Gilbert Paper Co. 210,840; May 26.
Paper, paper towels and napkins, Toilet and crêpe. Fort Howard Paper Company. 205,692; May 26.
Paper, Printing and writing. Graham Paper Company. 209,650; May 26.
Paper, Wrapping. Graham Paper Company. 205,920; May 26.
Pencils. Chas. M. Weeks Co. 209,825; May 26.
Pencils and rubber erasers, Lead. Eberhard Faber Pencil Company. 211,021; May 26.
Pencils, chalk, etc. Schwan-Bleistift-Fabrik A.-G. 190,851; May 26.
Pencils, Colored. Eberhard Faber Pencil Company. 208,745; May 26.
Pens and pencils, Fountain. Marathon Fountain Pen Co. 211,447; May 26.
Stamp, Hand. Simplicator Corporation. 211,762; May 26.
Tablets, school papers, and writing papers. American Tablet Co. 208,371; May 26.

CLASS 38.

Magazine, Monthly. Ohio Federation of Women's Clubs. 210,745; May 26.
Magazine, Monthly. Spectro-Chrome Institute. 195,916; May 26.
Magazine or other periodical, Section heading for printed matter in a. H. W. Smith. 206,925; May 26.
Magazine, Weekly. Implement Trade Journal Company. 209,038; May 26.
Magazines, Monthly. United Canary Breeders of America, Inc. 179,692; May 26.
Newspaper, Weekly. Grit Publishing Co. 212,081; May 26.
Photographic prints. M. E. Charleston. 204,894; May 26.
Pictures, drawings, and facsimiles transmitted by radio. Radio Corporation of America. 208,066; May 26.
Publication, Monthly. Keystone Publishing Company. 208,659; May 26.
Signs and window transparencies, Advertising. Western Lithograph Company. 207,699; May 26.

CLASS 39.

Hosiery. Athens Hosiery Mills. 208,788; May 26.
Hosiery. Davenport Hosiery Mills. 212,176; May 26.
Neckties. I. D. Wolfson. 212,311; May 26.
Neckties, sweaters, ladies' dresses, collars and cuffs. J. C. Spiro. 208,783; May 26.
Overalls. H. Bernstein & Co. 211,889; May 26.
Shirts, Men's. A. Goldstein. 212,080; May 26.
Suits and overcoats for men, boys, and children. A. Pursch. 208,532; May 26.
Suits and overcoats, Outer. A. B. Kirschbaum Company. 211,448; May 26.
Sweaters, Knitted. Knitwear Promotors, Inc. 206,074; May 26.

CLASS 40.

Elastic, Narrow. A. Stein & Company. 210,584; May 26.
Embroidery hooks. G. Reis & Bro., Inc. 210,927; May 26.

CLASS 42.

Batiste, Piece. Wellington, Sears & Company. 211,557; May 26.
Blankets, bed covers, coverlets, and bedspreads, Cotton. M. Perego. 207,256; May 26.
Cloth in the piece. S. Stroock & Company. 191,988; May 26.
Cotton cloth. S. H. Kahn & Company. 209,851; May 26.
Cotton piece goods. Bradshaw and Moore, Limited. 211,658; May 26.
Duck, cotton twills, netted fabrics, etc., Stitched belting. Wm. E. Hooper & Sons Co. 209,663; May 26.
Elastic fabric, Wide. W. A. Lawrence Co. 205,425; May 26.
Flannel, cotton, silk, linen, and mixture piece goods. Jacob Miller's Sons Co. 200,111; May 26.
Ribbon, Piece. Carpenter Manufacturing Co. 210,951; May 26.
Silk fabrics in the piece. Cheney Brothers. 209,202; May 26.
Woolen fabrics. Sampeck Clothes Inc. 211,378; May 26.

CLASS 44.

Dental products. M. D. Barkann and E. M. Weinberg. 210,878–9; May 26.
Diapers, Babies'. White Cross Textile Company. 210,206; May 26.
Perfumizers (vaporisers). Franklin Simon & Co. 211,671; May 26.
Syringes and needles and syringe outfits, Hypodermic. Cook Laboratories, Inc. 204,351; May 26.

CLASS 45.

Beverage. Almond Smash Co. 204,948; May 26.
Beverage and coloring extracts and sirups for making same. S. L. Goldman. 198,131; May 26.

Sirups for making soft drinks, nonalcoholic, maltless. B. A. Railton Co. 205,780; May 26.

CLASS 46.

Butter and cheese. P. E. Sharpless Co. 211,496; May 26.
Cakes. Gump Baking Company. 210,385; May 26.
Candy. S. Caploe. 210,043; May 26.
Canned fish. Standard Imports Limited. 205,795; May 26.
Canned fruits. F. E. Booth Co. 212,539; May 26.
Canned salmon. Emil Packing Company. 212,720; May 26.
Caramels. I. C. Candy Co. 207,870; May 26.
Chocolate. Fortune Products Company. 171,074; May 26.
Chocolates, chocolate candy, and bonbons. Chocolaterie-Confiserie Antoine. 190,830; May 26.
Cookies. Gump Baking Company. 210,384; May 26.
Dairy products. West Side Creamery Company. 203,703; May 26.
Doughnuts. Gump Baking Company. 210,386; May 26.
Flour, feeds for livestock and poultry, corn, barley, etc., Wheat. Warner Moore & Co. 210,570; May 26.
Flour, Self-rising. C. A. Gambrill Manufacturing Company. 205,917; May 26.
Flour, Self-rising. MacDowell Brothers. 206,910; May 26.
Flour, Wheat. Rose T. Smyth & Co. Limited. 205,092; May 26.
Food accessory, Savory condimentary. Fairchild Bros. & Foster. 209,338; May 26.
Fruits and cantaloupes, Fresh. F. C. Beller. 198,728; May 26.
Fruits, Fresh deciduous. Newcastle Fruit Growers Association. 212,566; May 26.
Ice cream. J. A. Allegretti. 209,017; May 26.
Ice-cream confection. Hello-Pop Company. 211,592; May 26.
Macaroni, egg noodles, and spaghetti. Meador-Grant Macaroni Company. 212,341; May 26.
Malt extra. W. J. Gordon. 210,724; May 26.
Malt sirup. A. Kahan & Sons Products Company. 210,905; May 26.
Mash and scratch grains, Laying. Farmers Syndicate, Inc. 208,802; May 26.
Oleomargarine. Harrow-Taylor Butter Company. 210,614; May 26.
Olives and paprika. James P. Smith & Company. 194,955; May 26.
Oysters and clams, Fresh. J. N. Thompson. 209,951–2; May 26.
Sausage and sausage meat. B. Wesson. 209,712; May 26.
Teas, spices, cocoa, rice, etc. Jewel Tea Co. 184,069; May 26.

CLASS 50.

Bottle-top wrappers. D. N. Crawford. 209,625; May 26.
Signs. California Metal Enameling Co. 210,847; May 26.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 26TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A-B Stove Company. (See Reedy, Alfred J., assignor.)
Aaron, Samuel J., Brooklyn, N. Y. Electric-lamp fixture. Des. 67,390; May 26.
Abercrombie, James S. (See Cameron, H. S., and Abercrombie.)
Absolute Con-Tac-Tor Corporation. (See Phelan, Louis A. M., assignor.)
Acker, Edward G., New York, N. Y. Circuit-controlling device. 1,539,621; May 26.
Adair, Thomas D., jr., Atlantic, Mass., assignor to Standard Thermometer Company, Portland, Me. Speedometer-driving mechanism. 1,539,531; May 26.
Adam, Robert M., assignor to J. H. McClatchy, Philadelphia, Pa. Mast hoist. 1,539,344; May 26.
Adams, Harry E., assignor to The W. G. Nagel Electric Company, Toledo, Ohio. Pressure gauge. 1,539,101; May 26.
Adams & Westlake Company, The. (See Legge, Thomas A., assignor.)
Adamy, Frank D., Bellwood, Nebr. Noncling colter. 1,539,066; May 26.
Adler, Milton M., Newark, N. J. Pyrotechnical device. 1,538,879; May 26.
Adrian, Walter, Wardsville, Mo. Engine-starting mechanism. 1,539,532; May 26.
Aeolian Company, The. (See Young, Francis L., assignor.)
Air Conditioning and Engineering Co., The. (See Keiser, Walter, assignor.)
Air Reduction Company. (See Wilkinson, Walter, assignor.)
Air Reduction Company. (See Van Nuys, Claude C., assignor.)
Akeyson, Swan M., Long Beach, assignor, by mesne assignments, of one-fourth to A. W. Warr, Los Angeles, and one-fourth to W. J. Holland, Huntington Park, Calif. Swab. 1,539,229; May 26.
Aktiebolaget Karlstads Mekaniska Verkstad. (See Wagner, Rudolf E., assignor.)
Alexander, Elliott E., Kansas City, Mo. Apparatus for treating serum. 1,539,102; May 26.
Alfieres, Emanuel J., New York, N. Y. Vault-light lens frame and holder. 1,539,533; May 26.
Allbright-Nell Company, The. (See Buckham, Henry B., assignor.)
Allen, Thomas W., and L. A. Wyatt, Memphis, Tenn. Box-car-door latch. 1,538,965; May 26.
Allis, Louis, Company. (See Barr, John M., assignor.)
Allsop, Thomas, and W. W. Sibson, Philadelphia, assignors to The Philadelphia Drying Machinery Company, Germantown, Pa. Apparatus for drying or otherwise treating manufactured products. 1,539,806; May 26.
Allsop, Thomas, and W. W. Sibson, Philadelphia, assignors to The Philadelphia Drying Machinery Company, Germantown, Pa. Apparatus for drying or otherwise treating manufactures. 1,539,807; May 26.
Allsop, Thomas, Philadelphia, assignor to The Philadelphia Drying Machinery Company, Germantown, Pa. Device for supporting chinaware or the like during the process of manufacture. 1,539,808; May 26.
Alston, Thomas H., Dulce, N. Mex. Scentless animal trap. 1,539,103; May 26.
American Dressler Tunnel Kilns, Inc. (See Meehan, Paul A., assignor.)
American Forging and Socket Company. (See Rathbun, Edgar A., assignor.)
American Machine & Foundry Company. (See Anderson, Carl E., assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine and Foundry Company. (See Wahlstrom, Verner J., assignor.)
American Optical Company. (See Hill, Harry W., assignor.)
American Ordnance Corporation. (See Stone, Andrew J., assignor.)
American Rolling Mill Company, The. (See Beck, W. J., and Aupperle, assignors.)
American Smelting and Refining Company. (See Kaanta, Henry W., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Steel Wheel Corporation. (See Jayne, Ames E., assignor.)
American Telephone and Telegraph Company. (See Nyquist, Harry, assignor.)
American Telephone and Telegraph Company. (See Thompson, Elmer O., assignor.)
American Telephone and Telegraph Company. (See Zobel, Otto J., assignor.)
Amos, John A., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo. Switch. 1,539,104; May 26.
Amos, John A., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo. Signal lantern. 1,539,105; May 26.
Amundson, Ed L., Henning, Minn. Manure loader. 1,539,622; May 26.
Anaconda Sales Company. (See Robinson, Thomas, assignor.)
Anchor Company. (See Feeney, Michael W., assignor.)
Anderson-Barngrover Mfg. Co. (See Berry, Seneca L., assignor.)
Anderson, Carl E., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Differential pump. 1,539,289; May 26.
Anderson, George R., Santa Rosa, Calif. Drier. 1,539,230; May 26.
Anderson, James A. (See Anderson, John L. and J. A., and Eddington.)
Anderson, John L., Ogden, J. A. Anderson, and W. R. Eddington, Morgan, Utah. Automatic continuous pressure cooker. 1,539,793; May 26.
Ansell, Ivan D., Minneapolis, Minn. Vehicle ventilator. 1,539,534; May 26.
Antoscope, Ltd. (See Kucharski, Stanislaus, assignor.)
Aragon, Clements L., Mailand, Colo. Valve. 1,538,966; May 26.
Armstrong, Jesse A., assignor to Spotswood Specialty Company, Lexington, Ky. Advertising novelty. 1,539,231; May 26.
Arnett, Oliver J., Memphis, Tex. Motion-picture machine. 1,539,036; May 26.
Art Metal Construction Company. (See Card, Earl J., assignor.)
Asbestos Spinning and Weaving Corporation. (See Trainor, Edward J., assignor.)
Asher Manufacturing Company. (See Fidler, John E., assignor.)
Associated Silver Co. (See Lasher, Thomas B. and T. H., assignors.)
Auburn, Hubert, Mount Healthy, Ohio. Loose-leaf binder. 1,539,623; May 26.
Aupperle, James A. (See Beck, W. J., and Aupperle.)
Automatic Electric Company. (See Burfeind, Raymond H., assignor.)
Automatic Electric Company. (See Martin, Talbot G., assignor.)
Avery, True M., Glens Falls, assignor to Union Bag & Paper Corporation, Hudson Falls, N. Y. Cut-off device for bag-making machines. 1,539,624; May 26.
B. & S. Manufacturing Products Corporation. (See Stern, C., and Braden, assignors.)
Bacon, Raymond F. (See Hirsch, A., and Bacon.)
Badische Anilin- & Soda-Fabrik. (See Nawiasky, P., and Saurwein, assignors.)
Badische Anilin- & Soda-Fabrik. (See Schmidt, Otto, assignor.)
Bago, William M., Hamilton, Ohio. Railway crossing. 1,539,345; May 26.
Baits, Stuart G. (See Fekete, S. I., and Baits.)
Baker, Linnaeus E., assignor to Wayne Tank & Pump Company, Fort Wayne, Ind. Measuring-pump gearing. 1,539,106; May 26.
Bakke, Gilbert, Detroit, Mich. Spark intensifier. 1,539,535; May 26.
Ball, Samuel S., Jersey City, N. J., assignor to Bethlehem Steel Company. Stopper rod. 1,539,107; May 26.
Ballert, Otto, Berlin, Germany. Car-body-tipping device. 1,539,625; May 26.
Barber-Colman Company. (See Colman, Howard D., assignor.)
Bard, Ralph A., trustee. (See Hofmann, G., and Schroeder, assignors.)
Barkmeyer, Henry B., Chicago, Ill. Electric furnace. 1,538,880; May 26.

Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,539,009; May 26.

Barr, John M., assignor, by mesne assignments, to Louis Allis Company, Milwaukee, Wis. Rotor. 1,539,232; May 26.

Bartholomew, John R., Montclair, N. J., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake mechanism. 1,538,917; May 26.

Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-drum lining. 1,538,918; May 26.

Bartlett, John E., assignor to Bar-Trex Manufacturing Co., Inc., Birmingham, Ala. Advertising and hosiery-inspection device. 1,539,626; May 26.

Bartling, Howard G., assignor to Peerless Pneumatic Systems, Inc., Chicago, Ill. Spray gun. 1,539,530; May 26.

Barton, Ben D., Jackson, Mich. Power attachment for motor vehicles. 1,538,881; May 26.

Bar-Trex Manufacturing Co. (See Bartlett, John E., assignor.)

Bassick Manufacturing Company, The. (See Pierce, Earl F., assignor.)

Bassisty, Michael S., New York, N. Y. Embroidering device. 1,539,381; May 26.

Batcheller, Hugh W., Worcester, Mass., assignor to Winooski Electric Manufacturing Company, Inc., Burlington, Vt. Terminal connecter. 1,539,290; May 26.

Bates, Albert H., Elgin, Ill., assignor to The Hoover Company. Double-pole switch. 1,538,882; May 26.

Bates, Charles J., jr., Englewood, N. J., assignor to The Mosler Safe Company, Hamilton, Ohio. Safe corner construction. 1,539,537; May 26.

Bates, Jeffie L., Belmont, Miss. Cultivator. 1,539,627; May 26.

Bauer, Perry S., Chicago, Ill. Tilting steering wheel. 1,538,919; May 26.

Bauer, Perry S., Chicago, Ill. Tilting steering wheel. 1,538,920; May 26.

Baur, Hugo J. (See Thompson, E. H., and Baur.)

Bayer, John J., Brooklyn, N. Y. Combined drill and tap. 1,539,628; May 26.

Bayless, John E. (See De Burger, G. S., and Bayless.)

Barroni, Lewis J., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work-spacing mechanism for buttonhole-sewing machines. 1,539,629; May 26.

Beaird, James B., Shreveport, La. Pressure balancing valve for oxyacetylene welding. 1,539,630; May 26.

Beardsley, Elmer O., Chicago, and W. F. Piper, Oak Park, assignors to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,539,233; May 26.

Beardsley, Elmer O., and W. F. Piper, assignors to The Beardsley & Piper Company, Chicago, Ill. Molding machine. 1,539,234; May 26.

Beardsley & Piper Company. (See Beardsley, E. O., and Piper, assignors.)

Beasley, John T., Blakely, Ga. Automatic fire alarm. 1,539,538. May 26.

Beck, Wesley J., and J. A. Aupperle, assignors to The American Rolling Mill Company, Middletown, Ohio. Iron alloy. 1,539,456; May 26.

Becker, Rudolph, North Plainfield, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Guide for straw-braid-sewing machines. 1,538,921; May 26.

Bedgood, Hubert O., Glasgow, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Guide or fair-lead for the drag rope of a drag-line excavator. 1,538,922; May 26.

Bedgood, Hubert O., Glasgow, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Truck for excavators of the drag-line type. 1,539,631; May 26.

Bedortha, Luther E. (See Mott, C., Bedortha, and Killgore, assignors.)

Beechnut Packing Company. (See Neusbaum, Charles W., assignor.)

Belding, George A., Billings, Mont. Metal shingle. 1,539,632; May 26.

Belmuth, Maurice W., Brooklyn, assignor to Oscar O. Friedlaender Co., New York, N. Y. Shade for electric lights. Des. 67,391; May 26.

Benda, Ludwig, Mainkur, near Frankfort-on-the-Main, and O. Sievers, Fechenheim, near Frankfort-on-the-Main, Germany. Making benzoxazolon arsonic acids. 1,539,798; May 26.

Benda, Ludwig, Mainkur, near Frankfort-on-the-Main, and O. Sievers, Fechenheim, near Frankfort-on-the-Main, Germany. Production of 4-amino-3-hydroxybenzene-1-arsonic acids. 1,539,799; May 26.

Benjamin, Bert R., Chicago, and A. Kowalsky, Oak Park, assignors to International Harvester Company, Chicago, Ill. Implement attachment for tractors. 1,539,108; May 26.

Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electric switch. 1,539,152; May 26.

Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Water-tight receptacle and plug therefor. 1,539,539; May 26.

Bennett, Alfred A. (See Scott, J., and Bennett.)

Bennett, Arthur J., Cambridge, Ohio. Flower-vase insert. 1,539,153; May 26.

Bennett, John L., assignor to U. S. Manufacturing Corporation, Decatur, Ill. Handle. Des. 67,392; May 26.

Bentley, Joseph H., Bridgeport, Conn., assignor to O. Lindenmann & Co., New York, N. Y. Bird-cage-forming machine. 1,538,883; May 26.

Bentley, Oliver D. H., Roslindale, assignor to B. F. Sturtevant Company, Boston, Mass. Governor. 1,539,291; May 26.

Benton, Charles C. (See Benton, Frank W. and C. C.)

Benton, Frank W. and C. C., Wilson, N. C. Display panel. 1,539,633; May 26.

Berggren, Albin E., and C. M. Kerr, Idaho Falls, Idaho. Potato-lister riding attachment. 1,539,087; May 26.

Berneburg, Eduard, Leipzig, Germany. Letter file. 1,539,457; May 26.

Berrigan, John B., et al. (See Berrigan, John J., assignor.)

Berrigan, John J., assignor of one-third to J. B. Berrigan and one-third to K. P. Malon, Chicago, Ill. Hydraulic press. 1,538,884; May 26.

Berrigan, John J., assignor of one-third to J. B. Berrigan, and one-third to K. P. Malon, Chicago, Ill. Press. 1,538,885; May 26.

Berrigan, John J., assignor of one-third to J. B. Berrigan, and one-third to K. P. Malon, Chicago, Ill. Press. 1,538,886; May 26.

Berry, Seneca L., Sunnyvale, assignor, by mesne assignments, to Anderson-Barngrover Mfg. Co., San Jose, Calif. Cooker and cooler. 1,539,458; May 26.

Besson, Gertrude, Indianapolis, Ind. Signal. 1,539,634; May 26.

Bethlehem Steel Company. (See Ball, Samuel S., assignor.)

Bethlehem Steel Company. (See Ibach, Emil, assignor.)

Besdecheck, James F., Long Beach, Calif. Lock. 1,539,292; May 26.

Bienenstok, Edgar A., assignor to Milwaukee Tank Works, Milwaukee, Wis. Welding machine. 1,539,383; May 26.

Biggs, John M., Helena, Ark. Thermostatic circuit closer. 1,539,635; May 26.

Bing-Werke, vormals Gebrüder Bing Aktiengesellschaft. (See Wolf, Georg, assignor.)

Bioscope Improvements Limited. (See Way, Edward J., assignor.)

Bird, Courtland B., Wheeler, Wis. Cutting mechanism for corn harvesters. 1,539,346; May 26.

Bitrich, John F., Chicago, Ill. Mold. 1,539,636; May 26.

Bjorklund, William A. (See Holmquist, A., and Bjorklund.)

Black, Millard S., Brea, Calif. Packing head for well casings. 1,539,235; May 26.

Black, Millard S., Huntington Park, Calif. Casing head for oil wells. 1,539,236; May 26.

Blair, Robert S., Sound Beach, Conn. Fender for vehicles. 1,539,540; May 26.

Blakely, William H., assignor of one-fourth to R. E. Martin, one-fourth to C. F. Dagwell, and one-fourth to T. D. Williamson, Tulsa, Okla. Pumping unit for oil wells. 1,539,459; May 26.

Blanding, Forrest H. (See Byers, J. A., and Blanding.)

Blanding, Joseph E., New London, assignor of nine-twentieths to I. F. Peck, Groton, Conn. Water heater. 1,539,039; May 26.

Blume, Carl T. (See Rosenbloom, W., and Blume.)

Boardman, Edwin A., Centralia, Wash. Advertising game. 1,538,967; May 26.

Bocchino, Ernest, Clifton, N. J. Pocket tool. 1,539,040; May 26.

Boeniger, Melchior, assignor to Society Chemical Works formerly Sandoz, Basel, Switzerland. Azo dye of the pyrazolone series and making same. 1,539,347; May 26.

Bolger, Robert S., New York, N. Y. Winch for motor vehicles. 1,538,923; May 26.

Boltshauser, Heinrich, Zurich, Switzerland. Driving means for auxiliary machines on condensing steam locomotives. 1,539,154; May 26.

Boosey, Edward W. N., Detroit, Mich. Roof sump. 1,538,924; May 26.

Borcherdt, Walter O., Austinville, Va., assignor to J. Herman, Los Angeles, Calif. Screening ball mill. 1,539,237; May 26.

Borden Company, The. (See Taylor, Burt E., assignor.)

Boston Electric Heating Corp. (See Heath, Donald B., assignor.)

Botscheller, Leo J., Dalton, Pa. Lock washer. 1,539,348; May 26.

Boynton, Harry T., Russell, Mass. Dumping vehicle. 1,539,067; May 26.

Braddock, James S. (See Farnsworth, Henry T., assignor.)

Braden, Richard W. (See Stern, C., and Braden.)

Bradley, Patrick H., St. Louis, Mo. Altar. Des. 67,393; May 26.

Brainard, George C., assignor to Hydraulic Steel Company, Cleveland, Ohio. Apparatus for shaping and truing brake drums. 1,539,800; May 26.

Brandt, Fokko, Kansas City, Mo., assignor to The Brandt & Krell Engineering Company, Kansas City, Kans. Erecting crane and gin pole. 1,539,109; May 26.

Brandt, Herman W., Antigo, Wis. Garage-door opener and closer. 1,539,155; May 26.

Brandt & Krell Engineering Company, The. (See Brandt, Fokko, assignor.)

Brandt, William A. (See Kevlin, E. G., and Brandt.)

Brandstetter, Josef, Chicago, Ill. Phonograph stop. 1,539,460; May 26.

Breitling, Ernst, Essen-West, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Key-releasing device for cash registers and calculating machines. 1,539,461; May 26.

Bridges, William T., La Fayette, Ga. Combined thermostatic circuit closer and sprinkler. 1,539,293; May 26.

Brinker, Frederick J. (See Walker, E. C., and Brinker.)

Brockett, Bluford W., Cleveland Heights, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Motor hand tool. 1,539,068; May 26.

Brockett, Bluford W., Cleveland Heights, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Handle for motor hand tools. 1,539,069; May 26.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Mechanical movement. 1,539,294; May 26.

Bronner, Finn J., Bradford, Pa. Dental instrument. 1,539,637; May 26.

Brookins, William L., Caledonia, Pa. Welding machine. 1,539,638; May 26.

Brown, Frederick H., Las Vegas, Nev. Composition for subirrigation pipes and filtering vessels. 1,539,295; May 26.

Brown, Frederick S. (See Jackson, Charles S., assignor.)

Brown, James T., jr. (See Rentfrow, A. A., and Brown.)

Brown, Ralph H., assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Spring. 1,539,070; May 26.

Browne, Charles F., Camberwell, near Melbourne, Victoria, Australia. Control means for headlamps of road vehicles to obviate glare. 1,539,238; May 26.

Brucker, Leopold C., New York, N. Y. Holder for photographic plates. 1,539,639; May 26.

Brune, Edward H., St. Louis, Mo. Magnetic separator. 1,539,640; May 26.

Brunhoff, Edward, assignor to The Brunhoff Manufacturing Company, Cincinnati, Ohio. Display and vending apparatus. 1,539,641; May 26.

Brunhoff Manufacturing Company. (See Brunhoff, Edward, assignor.)

Buchli, Jacob, Baden, Switzerland. Driving gear for vehicles. 1,539,010; May 26.

Buckham, Henry B., assignor to The Allbright-Nell Company, Chicago, Ill. Conveying apparatus. 1,538,925; May 26.

Budd Wheel Company. (See Schoenwerk, Otto C., assignor.)

Bull, William C., Brooklyn, N. Y. Apparatus for making reenforced glass. 1,539,239; May 26.

Bullard, William P., Albany, Ga. Grading apparatus. 1,539,349; May 26.

Bundy, Edgar A., and W. B. Calvin, Modesto, Calif. Display case. 1,539,296; May 26.

Burfeind, Raymond H., Chicago, Ill., assignor, by mesne assignments, to Automatic Electric Company. Non-grounded or metallic line-circuit system. Re16,086; May 26.

Burgess, C. F., Laboratories. (See Schorger, Arlie W., assignor.)

Burgess, Joseph P., Depauw, Ind. Peach seeder. 1,539,156; May 26.

Burke, George W., jr., Dayton, Ohio. Fire extinguisher. 1,538,968; May 26.

Burke, Norman I. D., assignor of one-half to T. P. Somerville, Auckland, New Zealand. Grab. 1,538,969; May 26.

Burns, Walter G., Fort Wayne, Ind. Grade-crossing signal. 1,539,541; May 26.

Burnside, Arthur E., South Jacksonville, Fla. Jack. 1,539,642; May 26.

Burton, Charles S., Oak Park, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Vacuum fuel-feeding device for internal-combustion engines and the like. Re16,080; May 26.

Busby, Redmond E., Allen, Okla. Clothespin. 1,538,970; May 26.

Bush, Carl, Mattoon, Ill. Flue expander. 1,539,643; May 26.

Byers, John A., Chicago, Ill., and F. H. Blanding, Coshocton, Ohio, assignors to James B. Clow & Sons, Chicago, Ill. Pipe plug. 1,539,038; May 26.

Cady, Mortimer D., Amiret, Minn. Riding attachment for harrows. 1,539,644; May 26.

Cain, William H., Los Angeles, Calif. Radiant gas heater. 1,539,240; May 26.

Calingaert, George H. F., Watertown, Mass., assignor, by mesne assignments, to General Motors Corporation, Detroit, Mich. Production lead compounds. 1,539,297; May 26.

Callahan, Richard, and S. Rouleau, Los Angeles, Calif. Grease-distributing apparatus. 1,539,071; May 26.

Cameron, Harry S., and J. S. Abercrombie, Houston, Tex. Pipe cutter. 1,539,288; May 26.

Cantutti, Ugo, Rome, Italy. Sparkless commutation. 1,539,241; May 26.

Capitol Brass Works. (See Noble, Benjamin, assignor.)

Carbis, James E., Long Island City, N. Y. Window-sash lock. 1,539,072; May 26.

Carborundum Company. (See Power, Henry E., assignor.)

Card, Earl J., assignor to Art Metal Construction Company, Jamestown, N. Y. Desk. 1,539,645; May 26.

Carder, James L., assignor of one-third to J. A. Street, Los Angeles, Calif. Oil-well cleaner. 1,539,242; May 26.

Carlson, Eric, assignor to Stewart Manufacturing Corporation, Chicago, Ill. Die-casting machine. 1,539,110; May 26.

Carmichael, Henry, Malden, assignor of fourteen and four-tenths per cent to I. Hollander, Winthrop; five and four-tenths per cent to J. W. Nourbourn; one and eight-tenths per cent to H. W. Cobb, Boston, Mass.; and sixty-four per cent to The Upson Company, Lockport, N. Y. Method and apparatus for producing fibrous board. 1,539,542; May 26.

Carroll, Thomas, assignor to The National Cash Register Company, Dayton, Ohio. Ticket machine. 1,539,462; May 26.

Carpenter, Charles E., New York, N. Y. Apparatus for controlling tension. 1,538,887; May 26.

Carter, Charles F., Des Moines, Iowa. Combined nozzle and pressure gauge. 1,539,073; May 26.

Carver, Henry V., Gastonia, N. C. Adjustable shuttle binder for looms. 1,539,298; May 26.

Cary Manufacturing Co. (See Cary, Spencer C., assignor).

Cary, Spencer C., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Metallic floor covering. 1,539,074; May 26.

Cass, Christopher P., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Fluid-pressure brake. 1,538,926; May 26.

Castillo, Alfonso C., Socorro, N. Mex. Spark plug. 1,539,463; May 26.

Catucci, Pliny, Newark, N. J. Fishing reel. 1,539,646; May 26.

Cecchini, Robert A., assignor of one-fourth to G. E. Cronin, Springfield, Mass. Protractor level. 1,539,543; May 26.

Centrifix Corporation. (See Hawley, Charles G., assignor.)

Centrifix Corporation. (See Schutz, Joseph M., assignor.)

Chambers, Frederick J., assignor of one-half to L. A. Leggatt, London, England. Electromagnetic wave receiving and amplifying systems. 1,539,464; May 26.

Chandeysson, Pierre I., St. Louis, Mo., assignor to Marshall Electric Company, Chicago, Ill. Field regulator. 1,539,465; May 26.

Chandler, Daniel L., Boston, Mass., assignor, by mesne assignments, to Vend Ads Corp. Coin-operated vending machine. 1,539,466; May 26.

Chandler, Milton, E., and F. C. Mock, Chicago, Ill. Air cleaner. 1,539,797; May 26.

Chase, Donald E., London, England, assignor to Naamlooze Vennootschap de Bataafsche Petroleum Maatschappij, The Hague, Netherlands. Separating petroleum emulsions. 1,539,647; May 26.

Chason, Daniel H., assignor to The Singer Manufacturing Company, Elizabeth, N. J. Lighting attachment for sewing machines. 1,538,927; May 26.

Cheney, Charles W., Boston, Mass. Electrotherapeutic massage appliance. 1,539,299; May 26.

Cherpes, Charles, Toledo, Ohio. Windmill. 1,539,157; May 26.

Chester, Charles P. (See Chester, Ernest F. and C. P.)

Chester, Ernest F. and C. P., New York, N. Y. Amusement apparatus. 1,539,648; May 26.

Chicago Railway Equipment Company. (See De Long, Frederic T., assignor.)

Chilton, Roland, Matawan, N. J., assignor, by mesne assignments to Eclipse Machine Company, New York, N. Y. Engine-starting apparatus. 1,539,075; May 26.

Christensen, Niels C., Salt Lake City, Utah. Treating ores containing galena. 1,539,711; May 26.

Christensen, Niels C., Salt Lake City, Utah. Treating sulphide ores of lead, silver, and copper. 1,539,712; May 26.

Christensen, Niels C., Salt Lake City, Utah. Treating lead-zinc sulphide ores. 1,539,713; May 26.

Christensen, Niels C., Salt Lake City, Utah. Treating sulphide ores of lead, silver, and copper. 1,539,714; May 26.

Christensen, Niels C. (See Elmore, Frank E., assignor.)

Christiansen, Andrew L., Wilmington, assignor of twenty-four per cent to W. S. La Londe, Los Angeles, Calif. Fish cutting and cleaning machine. 1,539,300; May 26.

Christie, Lindsay R., assignor to Duff Patents Company, Incorporated, Pittsburgh, Pa. Drier. 1,539,649; May 26.

Cincinnati Coffin Company, The. (See Drinkuth, Edward, assignor.)

Claff, Mark B., Randolph, Mass. Stayed box covering and producing the same. 1,539,243; May 26.

Clapp, Solon F., Temple, Tex. Ballast-dressing machine. 1,539,971; May 26.

Clark, Ralph S., Rochester, N. Y. Emergency lock. 1,539,350; May 26.

Clausing, Arthur, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Transmitter for multiplex alternating-current telegraphy. 1,539,158; May 26.
Clements, George P. et al. (See Jaeger, Henry G., assignor.)
Cline Electric Manufacturing Company. (See Dresser, Charles A., assignor.)
Cloutier, Joseph T. H., Waterville, Me. Sanitary cuspidor. 1,539,467; May 26.
Clow, James B., & Sons. (See Byers, J. A., and Blending, assignors.)
Cobb, Harry W., et al. (See Carmichael, Henry, assignor.)
Cobel, Paul S., Lincoln, Nebr. Cover for foot supports. 1,539,159; May 26.
Cole, Edward P., assignor to Cole Manufacturing Company, Chicago, Ill. Car heater. 1,539,160; May 26.
Cole Manufacturing Company. (See Cole, Edward P., assignor.)
Collins, Charles H., Amsterdam, N. Y., and H. Mason, Saxonville, Mass. End bracket for Axminster tube frames. 1,539,715; May 26.
Colman, Howard D., assignor to Barber-Colman Company, Rockford, Ill. Thread clamping and sheering means. 1,539,076; May 26.
Colton, Francis B., Forest Hills, N. Y. Combination weather strip and casement-window adjuster. 1,538,888; May 26.
Columbia Phonograph Company. (See Roberts, Theodore C., assignor.)
Columbro, Angelo, Cleveland, Ohio. Coin-controlled press. 1,539,161; May 26.
Comas Cigarette Machine Company. (See Kerlin, E. G., and Brandt, assignors.)
Combination Machine Company. (See Peterson, Jonathan, assignor.)
Comstock, Frederick E., assignor of one-half to G. La Force, Valparaiso, Ind. Mechanical shoe form. 1,539,162; May 26.
Concannon, Thomas G. (See Concannon, William E., assignor.)
Concannon, William E., Kansas City, Mo., assignor of one-half to T. G. Concannon, Emporia, Kans. Valve-operating mechanism. 1,539,163; May 26.
Condit Electrical Manufacturing Company. (See Greenwood, Talma T., assignor.)
Conley, William T., Cambridge, Mass. Shingle. 1,539,716; May 26.
Connolly, Frank A., Pompton Lakes, N. J. Snow melter and plow. Re16,081; May 26.
Conradty, Ottmar, Nuremberg, Germany. Electric heater. 1,538,972; May 26.
Coo, Thomas J., Toronto, Ontario, Canada, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,384; May 26.
Cook, William E., and M. Mickelsen, Minneapolis, Minn. Pencil. 1,539,468; May 26.
Cooper, Thomas C., Chicago, Ill. Lock. 1,539,801; May 26.
Coppus, Frans H. C., Worcester, Mass. Regulation of motor-driven blowers. 1,539,717; May 26.
Corcoran, Alice. (See Fels, Walter T., assignor.)
Cornwell, Frank S., New York, N. Y. Lap Desk. Des. 67,394; May 26.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Water-tube boiler. 1,538,928; May 26.
Courson, Frank C., Altoona, Pa. Bolt-pulling device. 1,538,973; May 26.
Courtaulds Limited. (See Wood, Frederick T., assignor.)
Covel Mfg. Co. (See Filstrup, Eddie C., assignor.)
Cox, William G., Cleveland, Ohio, assignor to The Eaton Axle & Spring Company. Automobile cushioning fender. 1,539,077; May 26.
Crawford, John F., Racine, Wis. Internal-combustion engine. 1,539,041; May 26.
Cray, Harry C., Dayton, Ohio. Water ballast for balloons. 1,538,974; May 26.
Crews, Clarence M., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,244; May 26.
Cromer, Raymond K., assignor of one-half to J. E. Vaughan, Jefferson, Tex. Saw-set gauge. 1,538,975; May 26.
Cronin, George R. (See Cecchini, Robert A., assignor.)
Crook, Charles M., and A. E. Long, assignors to Stromberg Electric Company, Chicago, Ill. Time-adjustment construction. 1,539,544; May 26.
Crum, Maurice L., Chicago, Ill. Pot-washing device. 1,539,718; May 26.
Cuno, Charles H., assignor to The Cuno Engineering Corporation, Meriden, Conn. Cigar lighter and the like. 1,539,545; May 26.
Cuno Engineering Corporation, The. (See Cuno, Charles H., assignor.)
Curley, Robert S. (See Whittier J. K., and Curley.)
Curtis, Colonel J., Osage City, Kans. Pencil holder. 1,539,184; May 26.
Curtis, Robert E. L., Seattle, Wash. Safety fuse grip. 1,539,302; May 26.
Dagwell, C. F., et al. (See Blakely, William H., assignor.)
Dalton, Henry. (See Sweet, B. R., and Dalton.)
Darnell, William H., Clayton, Mich. Pipe connection. 1,539,719; May 26.
Davenport Machine Tool Co. (See Davenport, William S., assignor.)
Davenport, William S., assignor to Davenport Machine Tool Co., Inc., Rochester, N. Y. Clutch. 1,539,720; May 26.
Davidson, Harry O., assignor to The Hydraulic Pressed Steel Company, Cleveland, Ohio. Joist spacer and stringer hanger. 1,539,801; May 26.
Davis, Elmer W., Chicago, Ill., assignor to Shaw-Walker Company, Muskegon, Mich. Card-index system. 1,539,411; May 26.
Davis, Kenneth L., Lorton, Va. Cigarette holder. Des. 67,395; May 26.
Davis, Robert J., Barnes, Wis. Demountable wheel tread. 1,539,721; May 26.
Dayton Scale Company. (See Locke, Edward B., assignor.)
Dayton Scale Company. (See Riedel, Charles E., assignor.)
Deardurff, Charles D., Newark, Ohio. Display apparatus. 1,539,351; May 26.
Deaton, George H., and W. E. Nunn, assignors to George H. Deaton & Company, Chicago, Ill. Pocket savings bank. Des. 67,396; May 26.
Deaton, George H., & Company. (See Deaton, G. H., and Nunn, assignors.)
Debay, George C., Springdale, Pa. Machine for making hollow tile. 1,539,303; May 26.
De Burger, George S., and J. E. Bayless, Indianapolis, Ind. Drawbar draft gear. 1,539,165; May 26.
Deenik, John M., Chicago, assignor to Whiting Corporation, Harvey, Ill. Pillar crane. 1,539,546; May 26.
De Lanoy, Stephen J. (See Taylor, Wilfred J., assignor.)
De la Riboisiere, Jean F. P., Washington, D. C. Motor fuel. 1,539,722; May 26.
De Leo, John, New York, N. Y. Lighting-fixture support. Des. 67,397; May 26.
De Long, Frederic T., assignor to Chicago Railway Equipment Company, Chicago, Ill. Third and fourth point support for brake beams. 1,539,078; May 26.
De Lucia, Leonard, Washington, D. C. Rubber heel. 1,539,808; May 26.
Deming Company, The. (See Garber, Jesse B., assignor.)
Dempster, Henry V., Minneapolis, Minn. Toy flying machine. 1,539,469; May 26.
Denaro, James, Cambridge, Mass. Ice-cream cone. Des. 67,398; May 26.
Denneen, Francis S., and C. N. Mitchell, Cleveland, Ohio. Clutch. 1,538,976; May 26.
Dennis, Leonard J., Detroit, Mich. Clarinet music lyre. 1,539,042; May 26.
Denver Rock Drill Manufacturing Company, The. (See Skaer, Arthur H., assignor.)
Deskins, Benjamin F. (See Deskins, Robert L. and B. F.)
Deskins, Robert L., Waverly, Ohio, and B. F. Deskins, Logan, W. Va. Detachable handle for saw blades. 1,539,470; May 26.
Detroit Patents Holding Company. (See Haggart, John C., jr., assignor.)
Deuring, Fritz E., Munchen-Gladbach, Germany. Milling machine. 1,539,471; May 26.
Deuscher, Charles A., New York, N. Y. Electrical connection and making the same. 1,539,723; May 26.
De Vlieg, Gerard A., Janesville, Wis. Cutting tool. 1,538,929; May 26.
Dewandre, Albert, Liege, Belgium. Motor brake. 1,539,166; May 26.
Diamant, Sidney, New York, N. Y. Game. 1,539,547; May 26.
Dick, Simon, Paris, France. Mechanical hand fan. 1,539,548; May 26.
Diel, Hugo, and J. B. Fisher, Waukesha, Wis. Valve. 1,539,167; May 26.
Divry, George C., New York, N. Y. Type-casting mold. 1,539,724; May 26.
Dodd, Joseph. (See Krug, H., and Dodd.)
Dodge Brothers. (See Spurr, Robert E., assignor.)
Doherty Research Company. (See Santhoff, George W., assignor.)
Dombeck, Kasimer, Amsterdam, N. Y. Bush trimmer. 1,539,650; May 26.
Donley, Robert W., Philadelphia, Pa. Spindle. 1,539,169; May 26.
Donovan, William J., Boston, Mass. Barrier for ferries, drawbridges, and the like. 1,539,651; May 26.
Donovan, William J., East Boston, Mass. Barrier for ferries, drawbridges, and the like. 1,539,652; May 26.
Dorn, Robert W., Larkins, Fla. Emergency tire. 1,539,304; May 26.
Dotter, Edward S., Castle Creek, N. Y. Edge-inking machine. 1,539,472; May 26.
Dresser, Charles A., New York, N. Y., assignor to Cline Electric Manufacturing Company, Chicago, Ill. Motor-control system. 1,539,168; May 26.
Drinkuth, Edward, assignor to The Cincinnati Coffin Company, Cincinnati, Ohio. Casket-handle socket. Des. 67,399; May 26.
Duckham, Arthur M., assignor to Woodall, Duckham & Jones (1920) Limited, London, England. Annular muffle furnace or oven. 1,539,653; May 26.
Duff Patents Company. (See Christie, Lindsay R., assignor.)

Duncan, Israel P., and T. M. Gore, Los Angeles, Calif. Whipper. 1,539,245; May 26.
Dunlop Tire and Rubber Corporation of America. (See Willshaw, Harry, assignor.)
Dunne, Joseph J., Seattle, Wash. Valve. 1,539,305; May 26.
Dunsmore, Alexander F. (See Robertson, A. R., and Dunsmore.)
Duplessis, René E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Starting and stopping mechanism. 1,538,930; May 26.
Du Pont, E. I., de Nemours & Company. (See Jacobs, Charles B., assignor.)
Durbin, Vernon, Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Telephone receiver. 1,539,306; May 26.
Durviah Company. (See Schenck, Pierce D., assignor.)
Dusienczuk, Mikolaj, Ellwood City, Pa. Cookstove. 1,539,654; May 26.
Eastman Kodak Company. (See Riddell, William A., assignor.)
Eaton Axle & Spring Company, The. (See Brown, Ralph H., assignor.
Eaton Axle & Spring Company, The. (See Cox, William G., assignor.)
Eckelbarger, Zena, Goshen, Ind. Sound-reproducing device. 1,539,412; May 26.
Eckler, Charles F. (See Stolte, Frederick A., assignor.)
Eclipse Machine Company. (See Chilton, Roland, assignor.)
Eddington, William R. (See Anderson, John L. and J. A., and Eddington.)
Eddison, William B., Irvington, assignor to The Surface Combustion Co., Incorporated, New York, N. Y. Door-operating mechanism. 1,539,170; May 26.
Eden, John, Attleboro, Mass. Faucet. 1,539,725; May 26.
Edison Electric Applicance Company. (See Simmons Albert H., assignor.)
Edmundson, Alfred, New Bedford, Mass. Tension mechanism for looms. 1,539,043; May 26.
Edna Brass Mfg. Company, The. (See Snyder, W. Earl, assignor.)
Edwards, Joseph B., Jersey City, and F. E. Faulkner, assignors of one-fourth to Tide Water Oil Company, Bayonne, N. J. Acid concentration. 1,539,246; May 26.
Elektricitäts-Gesellschaft "Sanitas" m. b. H. (See Herrmann, Heinrich, assignor.)
Ellis, Halcolm, Newark, N. J. Type-basket shift for typewriters. 1,539,171; May 26.
Ellis, Halcolm, Newark, N. J. Key-lever tension for typewriters. 1,539,172; May 26.
Ellis, Ruby K., administratrix. (See Ellis, William H.)
Ellis, William H., deceased. Two Rivers, Wis.; R. K. Ellis, administratrix. Battery plug. 1,539,385; May 26.
Ellison, Edward H., Jamestown, N. Y. Controller for casement windows. 1,539,549; May 26.
Ellwood, Thomas B., Marshall, Tex. Nail-driving attachment for air hammers. 1,539,473; May 26.
Elmore, Frank E., Boxmoore, England, assignor to N. C. Christensen, Salt Lake City, Utah. Treatment of argentiferous sulphide ores. 1,539,726; May 26.
Elmstrom, Carl A., Medford, Mass. Shoe stretcher. 1,539,727; May 26.
Emery, Harvey L., Vincennes, Ind. Pneumatic molding machine for concrete blocks. 1,539,550; May 26.
Emery, William H. (See Long, F. J., and Emery.)
Ensign, William B., assignor to L. V. Reynolds, New York, N. Y. Rotary pump. 1,539,728; May 26.
Ensley, James A. (See Kissinger, W. S., and Ensley.)
Erich, Herbert C. (See McCrohan, J. A., and Erich.)
Erlandsen, Jorgen N., Everett, Wash. Hook. 1,539,551; May 26.
Ertle, Jacob. (See Reitinger, Walter R. A., assignor.)
Evans, E. S., Company. (See Michod, Charles L., assignor.)
Evans, Fred, Summit, N. J., assignor, by mesne assignments, to Voices Incorporated. Talking-toy mechanism. 1,539,247; May 26.
Evans, Fred, Summit, N. J., assignor to Voices Incorporated. Talking-toy mechanism. 1,539,248; May 26.
Evans, Thomas A. (See Hamilton, W. E., and Evans.)
Everson, Russell B. (See Hender, F. H., and Everson.)
Ex-El Company, The. (See Vaughan, Ross, assignor.)
Exner, William F. (See Peipel, J., and Exner.)
Fairbank, Willie J., Soldier, Kans. Door and gate fastener. 1,539,173; May 26.
Falk, Albin, Duluth, Minn. Tow rod. 1,539,474; May 26.
Falstrem, Carl L. (See Markle, E. J., and Falstrem.)
Farmer, Charles, Romsley, near Halesowen, England. Potato-planting machine. 1,539,552; May 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Magnet-controlling device. 1,538,931; May 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control device. 1,538,932; May 26.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-pipe vent valve. 1,538,933; May 26.
Farnsworth, Henry T., deceased, Ligonier; J. T. Farnsworth, administrator, Everson, assignor of one-half to J. S. Braddock, Mount Pleasant, Pa. Oscillating engine. 1,539,307; May 26.
Farnsworth, John T., administrator. (See Farnsworth, Henry T.)
Farnum, William C., Winchendon, Mass. Game. 1,538,889; May 26.
Faulkner, Frederick E. (See Edwards, J. B., and Faulkner.)
Faunt, Edith A., Vancouver, British Columbia, Canada. Music notation. 1,539,308; May 26.
Fear, Robert B., San Francisco, Calif. Internally-lubricated leaf spring. 1,539,553; May 26.
Feeney, Michael W., Rochester, N. Y., assignor to Anchor Company, Chicago, Ill. Rail anchor. 1,539,386; May 26.
Fekete, Stephen I., and S. G. Baits, assignors to Hudson Motor Car Company, Detroit, Mich. Spring suspension for automobiles. 1,539,352; May 26.
Fels, Walter T., assignor of one-half to A. Corcoran, Philadelphia, Pa. Wall-molding apparatus. 1,539,655; May 26.
Ferguson, Jesse T., Meridian, Miss. Shock absorber. 1,539,656; May 26.
Fesler, Milton A., Stamford, Conn., assignor to Petroleum Heat & Power Company, Boston, Mass. Safety device for oil burners. 1,539,249; May 26.
Feybusch, Martin, New York, N. Y., and P. W. Fleischer, Weehawken, assignors to New Jersey Machine Corporation, Hoboken, N. J. Paper-feed device. 1,538,977; May 26.
Fichten, Frank M., Davenport, Iowa. Traction lug. 1,539,387; May 26.
Fidler, John E., New York, N. Y. assignor to Asher Manufacturing Company, Irvington, N. J. Collar finisher. 1,539,250; May 26.
Fieldner, Arno C., Pittsburgh, Pa. Rock and coal dust determining cabinet. 1,539,657; May 26.
Filstrup, Eddie C., assignor to Covel Mfg. Co., Benton Harbor, Mich. Saw-swaging machine. 1,539,079; May 26.
Finckel, William H., jr., trustee. (See Ram, Alfred W., assignor.)
Findlay, Algernon P., Launceston, Tasmania, Australia. Device for playing table football. 1,539,251; May 26.
Firestone Tire and Rubber Company, The. (See Hargraves, Albert, assignor.)
Fischl, Julius, New York, N. Y. Button. 1,539,174; May 26.
Fish, Harold, Bridgeport, Conn. Lathe centering tool. 1,539,413; May 26.
Fisher, Abraham C., New York, N. Y. Bag. 1,539,554; May 26.
Fisher, James B. (See Diel, H., and Fisher.)
Fitz Gerald, Alan S., Finchley, England, assignor to General Electric Company. Protective apparatus. 1,539,658; May 26.
Fitzpatrick, Charles H., et al. (See Spinney, Edmund S., assignor.)
Fitzpatrick, Jeremiah, et al. (See Spinney, Edmund S., assignor.)
Fitzpatrick, Pedie A., Lowell, Mass. Chafing shield. 1,539,659; May 26.
Fleck, Adam C., Minneapolis, Minn. Ironing board. 1,539,175; May 26.
Fleischer, Paul W. (See Feybusch, M., and Fleischer.)
Fleischer, Walter L., New York, N. Y. Built-in duct for bakeries' proof boxes. 1,539,555; May 26.
Fleming, Frank E., assignor to The Underfeed Stoker Company of America, Detroit, Mich. Furnace. 1,539,080; May 26.
Fleming, Frank L., Carrick Borough, assignor to Phillips Mine & Mill Supply Co., Pittsburgh, Pa. Weigh basket. 1,539,660; May 26.
Fleming, Robert G., Newark, assignor to The Smokador Manufacturing Company Inc., Bloomfield, N. J. Matchbox holder. 1,538,978; May 26.
Foot Reynolds Company. (See Hein, Edward, assignor.)
Force Pump Company. (See Sunnes, Henry M., assignor.)
Foreman, Robert A., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Tuyère structure for stokers. 1,539,252; May 26.
Fortune, Oliver C. (See Teason, A. G., Riley, and Fortune.)
Fox, John E., St. Louis, Mo. Lock washer. 1,538,979; May 26.
Franck, Val F., Louisville, Ky. Humidifier for internal-combustion engines. 1,539,661; May 26.
Franklin Railway Supply Company. (See Peters, Frank R., assignor.)
Franz, Charles, jr., Milwaukee, Wis. Binder post for loose-leaf binders. 1,539,388; May 26.
Fredenburgh, Mark N., East Orange, N. J., assignor to Westinghouse Lamp Company. Ink for glass. 1,538,890; May 26.
Frei, Heinrich, Oberengstringen, near Zurich, Switzerland. Electric alternating-current machine. 1,539,662; May 26.

French, Charles A., and L. E. Goit, assignors to International Harvester Company, Chicago, Ill. Instantaneous fuel burner and method of burning fuel. 1,539,111; May 26.

Freshman, Samuel A. (See George, David, assignor.)

Frickey, Royal E., San Francisco, Calif. Alternating-current welding apparatus. 1,539,044; May 26.

Fried. Krupp Aktiengesellschaft. (See Breitling, Ernst, assignor.)

Fried. Krupp Aktiengesellschaft. (See Sartig, Willy, assignor.)

Friedlaender, Oscar O., Co. (See Belmuth, Maurice W., assignor.)

Frisch, Arthur and M. A., assignors to S. Marcus, Brooklyn, N. Y. Doll's head. 1,538,891; May 26.

Frisch, Morris A. (See Frisch, Arthur and M. A.)

Fritz, Ernest G., Litchfield, Conn. Automatic nozzle. 1,539,081; May 26.

Fritzsche, Hermann, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Azo dyestuffs and making same. 1,539,353; May 26.

Fromwiller, Leo H. (See White, A. C., and Fromwiller.)

Fry, Jay D., Colon, Mich. Automobile bumper. 1,539,176; May 26.

Fuller, Clarence W., Yonkers, N. Y. Sanitary shield for dental instruments. 1,539,253; May 26.

Fyfield, John E. (See Mussabini, Scipio G., assignor.)

Fyler, Annie M., Savannah, Ga. Invalid's foot brace. 1,539,082; May 26.

G. & G. Fixture Co., The. (See Walker, Ernest A.)

Gaffney, William F., and J. V. Weis, Albany, N. Y. Guide light for automobiles. 1,539,889; May 26.

Gaffney, William F., et al. (See Leeman, Charles E., assignor.)

Galvin, Walter B. (See Bundy, E. A., and Galvin.)

Garber, Jesse B., assignor to The Deming Company, Salem, Ohio. Pump. 1,539,556; May 26.

Gardhouse, Elmer E., Palmyra, Mo. Gateway. 1,539,177; May 26.

Gardner, George D., San Jose, Calif. Can-draining machine. 1,539,475; May 26.

Gaster, Orrin J., et al. (See Kill, Vincent P., assignor.)

Gatter, L. Stewart. (See Kraft, Carl, assignor.)

Gaylord, George S., Menasha, Wis. Egg carton. 1,538,892; May 26.

Geer, M. E. (See Stephens, W. L., assignor.)

Gehrke, Fred H., Hazel Run, Minn. Automatic control for windmill pumps. 1,539,254; May 26.

Geller, Leon W., Hamburg, assignor to National Aniline & Chemical Co. Inc., New York, N. Y. Disazo dyes containing a diphenylurea nucleus. 1,538,934; May 26.

General Electric Company. (See Fitz Gerald, Alan S., assignor.)

General Electric Company. (See Gillette, Robert T., assignor.)

General Electric Company. (See Hall, Chester I., assignor.)

General Electric Company. (See Hendricks, Allan B., jr., assignor.)

General Electric Company. (See Hewlett, E. M., and Willard, assignors.)

General Electric Company. (See Marcellus, F. S., and Powers, assignors.)

General Electric Company. (See Nickle, Clifford A., assignor.)

General Motors Corporation. (See Calingaert, George H. F., assignor.)

Genter, Albert L., assignor to United Filters Corporation, Salt Lake City, Utah. Continuous vacuum filter. 1,538,980; May 26.

George, David, Burwood, near Sydney, assignor to S. A. Freshman, Sydney, New South Wales, Australia. Sanitary closet. 1,539,255; May 26.

Gesellschaft für Drahtlose Telegraphie m. b. H. Hallisches. (See von Bronk, Otto, assignor.)

Gfeller, Frederick, Alhambra, assignor to The Pelton Water Wheel Co., San Francisco, Calif. Kinetic-energy absorber. 1,539,256; May 26.

Giardino, Joachim, West New York, N. J. Loom. 1,539,178; May 26.

Gibson, George H., Montclair, N. J. Combustion control. 1,539,257; May 26.

Gillette, Robert T., Schenectady, N. Y., assignor to General Electric Company. Welding electrode. 1,539,810; May 26.

Gillingham, William, Wheeling, W. Va. Rodent trap. 1,538,981; May 26.

Girard, Louis A., Paris, France. Oscillation-deadening device. 1,539,557; May 26.

Gisholt Machine Company. (See Turner, Charles A., assignor.)

Glassbrooke, Myron D., Fresno, Calif. Blow-out patch. 1,539,663; May 26.

Gloekler, John E., Pittsburgh, Pa. Supporting-leg construction. 1,539,112; May 26.

Glover, Eli G., Kaw, Okla. Mechanic's apron. 1,538,982; May 26.

Godowsky, Leopold, jr. (See Mannes, L. D., and Godowsky.)

Goit, Laurance E. (See French, C. A., and Goit.)

Gold, Abraham, New York, N. Y. Window-cleaner's seat. 1,539,729; May 26.

Goldberg, Abe, et al. (See Walker, Ernest A., assignor.)

Goldberg, William, et al. (See Walker, Ernest A., assignor.)

Goldman, Irvin S., Merced, Calif. Treating fruit. 1,539,309; May 26.

Goldsmith, Hugo, assignor, by mesne assignments, to The P. Goldsmith Sons Company, Cincinnati, Ohio. Athletic protective garment. 1,539,558; May 26.

Goldsmith, P., Sons Company, The. (See Goldsmith, Hugo, assignor.)

Goodman, Patrick, Brooklyn, N. Y. Gas-main stopper. 1,539,730; May 26.

Goodrich, B. F., Company, The. (See McDonald, Frank J., assignor.)

Goodwin, Charles I., Kansas City, Mo. Spring connection for motor vehicles. 1,539,179; May 26.

Gore, Arthur H. B., Maricopa, Calif. Valve. 1,539,180; May 26.

Gore, Thomas M. (See Duncan, I. P., and Gore.)

Gorman, John F., San Francisco, Calif. Tree-felling attachment for portable saws. 1,538,983; May 26.

Gormly, Charles P., Long Beach, Calif. Automobile attachment. 1,539,476; May 26.

Gossom, Alvina T., St. Louis, Mo. Lingerie clasp. 1,539,045; May 26.

Gould, Silas L., Los Angeles, Calif. Automatic safety drilling head. 1,539,664; May 26.

Gowran, Harry C., assignor to Hamilton Manufacturing Company, Two Rivers, Wis. Filing tray. 1,538,984; May 26.

Graf, Philip G. (See Langley, R. M., and Graf.)

Graupner, Louis P., Dresden, Germany, assignor to "Universelle" Cigarettenmaschinen-Fabrik, J. C. Müller & Co. Delivering and sorting cigarettes from cigarette-making machines. 1,539,258; May 26.

Grayson, John H., assignor to The J. H. Grayson Manufacturing Company, Athens, Ohio. Gas heater. 1,539,477; May 26.

Grayson, J. H., Manufacturing Company, The. (See Grayson, John H., assignor.)

Green, Thomas, Washington, D. C. Game apparatus. 1,539,665; May 26.

Greenberg, Fred. (See Scheurer, R. C., and Greenberg.)

Greene, Oscar V., Cleveland, Ohio. Gas-cleaning apparatus. 1,538,985; May 26.

Greenwood, Talma T., Templeton, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Circuit interrupter. 1,538,986; May 26.

Greiner, Louis C., Evansville, Ind. Attaching linoleum. 1,539,181; May 26.

Grossman, Samuel, assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,400; May 26.

Grossman, Samuel, et al. (See Grossman, Samuel, assignor.)

Grossman, Samuel, et al. (See Soman, Michael E., assignor.)

Guiberson Corporation, The. (See Wilson, Robert A., assignor.)

Gullholm, Marcus, St. Paul, Minn. Wooden-dowel-pin cutter. 1,538,987; May 26.

Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,539,414; May 26.

Haber Die and Stamping Company. (See Hornick, Hugo, assignor.)

Hackney, Leslie S., Pasadena, Calif. Pedal attachment for accelerating levers. 1,539,182; May 26.

Hagermann, George H., Muscatine, Iowa. Trap. 1,539,666; May 26.

Haggart, John C., jr., Alma, assignor, by mesne assignments, to Detroit Patent Holding Company, Detroit, Mich. Motor-suspension support. 1,538,988; May 26.

Haggerty, Joseph F., Buffalo, N. Y., assignor to Universal Gypsum Company, Chicago, Ill. Plaster board. 1,539,183; May 26.

Hahnemann, Walter. (See Hecht, H., Hahnemann, and Rudolph.)

Haight, Harry V., Sherbrooke, Quebec, Canada, assignor to Ingersoll-Rand Company, Jersey City, N. J. Feeding mechanism for rock drills. 1,538,985; May 26.

Halazarda, Tomasz, Omaha, Nebr. Sprinkler system. 1,539,667; May 26.

Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Nonsaturating induction relay. 1,539,812; May 26.

Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Definite-pick-up induction relay. 1,539,813; May 26.

Hall, John A., Seattle, Wash., assignor to Parker Rotary Stone Saw Company, San Francisco, Calif. Stone saw. 1,539,259; May 26.

Hall, Ray E., Rock Island, assignor to Hall Research Corporation, Chicago, Ill. Translating sounds. 1,539,390; May 26.

Hall Research Corporation. (See Hall, Ray E., assignor.)

Halladay, Lewis P., Decatur, Ill. Direct-suspension shock absorber. 1,539,113; May 26.

Halladay, Lewis P., Decatur, Ill. Automobile bumper. 1,539,114; May 26.

Hamachek, Frank, assignor to Frank Hamachek Machine Company, Kewaunee, Wis. Ensilage distributer. 1,539,559; May 26.

Hamachek, Frank, Machine Company. (See Hamachek, Frank, assignor.)

Hamilton Beach Mfg. Co. (See Horrell, Martin, assignor.)

Hamilton, Edward L., Long Beach, Calif. Tea-service tray. 1,539,668; May 26.

Hamilton Manufacturing Company. (See Gowran, Harry C., assignor.)

Hamilton Manufacturing Company. (See Kamm, Carl H., assignor.)

Hamilton, Walter B., Birkdale, and T. A. Evans, Manchester, England. Manufacture of iron and steel alloys. 1,538,893; May 26.

Hancock, Horace G., assignor to North & Judd Manufacturing Company, New Britain, Conn. Snap hook. 1,538,989; May 26.

Hangliter, Edward R., Ardsley, Pa. Fluid-operated vacuum massage device. 1,539,794; May 26.

Hannaford, Cleon M., Richmond, Va. Uncoupling attachment for car couplers. 1,539,354; May 26.

Hanovia Chemical and Mfg. Co. (See Robinson, F. W., and Knapp, assignors.)

Hansen, Elvena G., executrix. (See Hansen, John S.)

Hansen, John S., deceased; E. G. Hansen, executrix, assignor to O. A. Miller Treeing Machine Company, Brockton, Mass. Stretching apparatus. 1,539,184; May 26.

Hanson, Walter R., Chicago, Ill. Egg-beating machine. 1,539,731; May 26.

Harding, George J. (See Willis, Walter N., assignor.)

Hargraves, Albert, assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Resilient tire. Des. 67,401; May 26.

Harmon, Alton D., Erie, Pa. Moistening device. 1,539,560; May 26.

Harris, George H., Stockton, Calif. Header drive mechanism. 1,539,011; May 26.

Hart, Frederick A., New Britain, Conn., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,539,415; May 26.

Hartl, Wilhelm, Berlin, Germany. Carburetor. 1,539,732; May 26.

Hartlett, Elvin M., Chicago, Ill. Holder for stethoscopes. 1,539,046; May 26.

Hartman, Walter H., Jordan, Minn. Jar-lid sealer. 1,539,012; May 26.

Haskell, Robert J., Washington, D. C. Respirator for swimmers. 1,539,733; May 26.

Hatheway, William E., Bridgeport, Conn. Buckle. 1,538,894; May 26.

Hathorn, Henry W., Mason City, Iowa. Oil burner. 1,539,255; May 26.

Hauber, Joseph, Melrose Park, Ill. Electric heater. 1,539,734; May 26.

Hauser, Edward, New York, N. Y. Cutlery implement. 1,539,669; May 26.

Hawkins, Frank D., Sioux Falls, S. Dak. Recoil pad. 1,538,990; May 26.

Hawley, Charles G., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal process and apparatus. 1,539,478; May 26.

Hawley, Charles G., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,539,479; May 26.

Hawley, Charles G., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,539,480; May 26.

Hawley, Charles G., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,539,481; May 26.

Hawley, Charles G., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal fixture. 1,539,482; May 26.

Hayes, Charles E., Dorchester, Mass. Windshield wiper. 1,539,735; May 26.

Hearonemus, Samuel, Snover, Mich. Screw driver. 1,539,736; May 26.

Heath, Donald B., Winthrop, assignor to Boston Electric Heating Corp., Whitman, Mass. Shoe-tempering machine. 1,539,902; May 26.

Heath, George W., East Orange, N. J. Radiodial. Des. 67,402; May 26.

Hecht, Heinrich, Kiel, and W. Hahnemann and W. Rudolph, Kitzeberg, near Kiel, assignors to the Firm Signal Gesellschaft m. b. H., Kiel, Germany. Submarine sound transmitter. 1,539,792; May 26.

Hein, Edward, assignor to Foot Reynolds Company, Grand Rapids, Mich. Day bed. 1,539,185; May 26.

Heine Boiler Company. (See Cotton, Alfred, assignor.)

Helland, Sigurd H., assignor to Whitin Machine Works, Whitinsville, Mass. Roving, spinning, and like machine. 1,539,310; May 26.

Heller, Edgar W., Newark, N. J. Motorized pull truck. 1,539,186; May 26.

Henderson, Carl, assignor to Miehle Printing Press & Manufacturing Company, Chicago, Ill. Sheet-separating means. 1,539,063; May 26.

Henderson, Eldon C., San Francisco, Calif. Support for motor cycles, bicycles, etc. 1,539,115; May 26.

Hendey, Frederick H., Passaic, and E. B. Iverson, Clifton, N. J. Radiodetector and making the same. 1,539,416; May 26.

Hendricks, Allan B., jr., Pittsfield, Mass., assignor to General Electric Company. Stationary induction apparatus. 1,539,670; May 26.

Herman, Heinrich, assignor to Electricität-Gesellschaft "Sanitas" m. b. H., Berlin, Germany. Electric heater. 1,539,562; May 26.

Herman, John. (See Borcherdt, Walter O., assignor.)

Herman, John H., Los Angeles, Calif. Hoisting drum. 1,539,301; May 26.

Hermann, Albert C., assignor to The National Cash Register Company, Dayton, Ohio. Engraving machine. 1,539,485; May 26.

Herr, Herbert T., Marion, Pa., assignor to Westinghouse Electric & Manufacturing Company. Turbine blading. 1,539,561; May 26.

Herskovits, Max, assignor to Peerless Light Company, Chicago, Ill. Electric-lamp-supporting structure. 1,539,484; May 26.

Hertzler, Charles H., Gracemont, Okla. Pulley. 1,539,791; May 26.

Hess, Ray, Chicago, Ill. Automobile lock. 1,538,936; May 26.

Hester, Russel F., Heber, Calif. Seed planter and distributor. 1,539,737; May 26.

Hewlett, Edward M., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Reproducing position. 1,539,187; May 26.

Heyn, Jerome F., Omaha, Nebr. Air filter. 1,539,116; May 26.

Higgins, Edward F., assignor to Jos. H. Meyer Bros., Inc., Brooklyn, N. Y. Manufacture of imitation mother-of-pearl. 1,539,064; May 26.

Hill, Harry W., assignor to American Optical Company, Southbridge, Mass. Attachment for lens-examining instruments. 1,538,991; May 26.

Hinde, Henry J., assignor to The Toledo Machine and Tool Company, Toledo, Ohio. Press. 1,539,085; May 26.

Hinkel, Jacob, Offenbach-on-the-Main, Germany. Fastening for use with attaché and suit cases, hand bags, and the like. 1,539,563; May 26.

Hirsch, Alcan, New Rochelle, and E. F. Bacon, Pelham, N. Y. Electric battery. 1,538,895; May 26.

Hocken, Harry N. (See Markle, E. J., and Fulstream, assignors.)

Hodgman, Emma A., executrix. (See Hodgman, Willis K.)

Hodgman, Willis K., deceased, Taunton, Mass.; E. A. Hodgman, executrix. Fusible link. 1,539,311; May 26.

Hodlick, Charles E., assignor to Sharp & Smith, Chicago, Ill. Vaporizing apparatus. 1,539,485; May 26.

Hoffman, Henry E., Chicago, Ill. Automatic transmission for motor vehicles. 1,539,188; May 26.

Hoffman, Morris J., Chicago, Ill. Printing device. 1,539,564; May 26.

Hofmann, George, and R. G. Schroeder, assignors to E. A. Bard, trustee, Chicago, Ill. Combined writing instrument. 1,539,096; May 26.

Holland, Louis E., Kansas City, Mo. Lawn sprinkler. 1,539,189; May 26.

Holland, Ralph, and J. A. Wirt, Laramie, Wyo. Apparatus for clarification of gasoline. 1,539,671; May 26.

Holland, W. J., et al. (See Akeyson, Swan M., assignor.)

Hollander, Irving, et al. (See Carmichael, Henry, assignor.)

Holley, Clarence M., and E. P. Oswald, Detroit, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio. Mechanical unloading device for compressors. 1,538,937; May 26.

Holmes, George A., Newton Center, Mass., assignor to United States Fastener Company. Turnbutton fastener. 1,539,812; May 26.

Holmquist, August, and W. A. Björklund, assignors to Sprague-Sells Corporation, Hoopeston, Ill. Finishing machine. 1,539,392; May 26.

Holst, Gilles, assignor to Naamloose Vennootschap Philips' Gloeilampenfabrieken, Eindhoven, Netherlands. Electric-light installation for alternating current. 1,539,672; May 26.

Holstein, Michael B., Richland, Pa. Air pump. 1,539,486; May 26.

Holtzer-Cabot Electric Company. (See Durbin, Vernon, assignor.)

Homer, Earle W., Spokane, Wash. Hair-waving iron. 1,539,813; May 26.

Homers, Harry P., New Haven, Conn. Mop head. 1,539,565; May 26.

Hood, Harrison H., Los Angeles, assignor to Thimmeway Titles, Inc., Hollywood, Calif. Tilting machine. 1,539,673; May 26.

Hookom, Amel W., Iowa City, Iowa. Crank holder. 1,539,190; May 26.

Hoover Company, The. (See Bates, Albert H., assignor.)

Hoover Company, The. (See Holley, C. M., and Oswald, assignors.)

Hoover Company, The. (See Langley, R. M., and Graf, assignors.)

Hopedale Manufacturing Company. (See Northrop, Jonas, assignor.)

Hopkins, Charles E., deceased, Plainfield, N. J.; The Plainfield Trust Company, administrator. Curved-stereotype-plate-finishing machine. 1,539,566; May 26.

Hopkins, Charles E., deceased. Plainfield, N. J.; The Plainfield Trust Company, administrator. Machine for finishing tubular stereotype plates. 1,539,567; May 26.

Hopkins, Nevil M., New York, N. Y., assignor to National Carbon Company, Inc. Flash light and recharging device for the battery thereof. 1,538,992; May 26.

Hornick, Hugo, assignor to Haber Die and Stamping Company, Chicago, Ill. Name-plate-holding means. 1,539,487; May 26.

Horrell, Martin, assignor to Hamilton Beach Mfg. Co., Racine, Wis. Mixing device. 1,539,087; May 26.

Horstmann, Frederick W., Irvington, N. J. Caliper. 1,539,356; May 26.

Hotchkiss, B. H., Company, The. (See Polser, Fridolin, assignor.)

Houseman, Harold E., Philadelphia, Pa., assignor to Standard-Trunk Brothers Machine Company, Wilmington, Del. Stitch-forming mechanism for circular-knitting machines. 1,539,568; May 26.

Howell, Helen M., Los Angeles, Calif. Easel. 1,539,488; May 26.

Howes, Murray V. C., Portland, Oreg. Teat-engaging tip. 1,539,314; May 26.

Huber, Fritz, assignor to H. Lanz, Mannheim, Baden, Germany. Four-wheel drive for power vehicles. 1,539,417; May 26.

Hubert, James, Newcastle-upon-Tyne, England. Exercising apparatus. 1,539,569; May 26.

Hudson Motor Car Company. (See Fekete, S. I., and Baits, assignors.)

Hughes, Ansker E., and R. K. and R. T. Newton, Graham, Va. Camera attachment. 1,539,489; May 26.

Huise, D. T. (See Selph, Carl E., assignor.)

Hulse, George E., New Haven, Conn., assignor to Safety Car Heating & Lighting Company. Switch construction. 1,538,938; May 26.

Hume, Edgar D., Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,538,939; May 26.

Hume, Frank E., New York, N. Y. Window-sill bolt. 1,539,191; May 26.

Hunter, Philip V., London, England. Manufacture of electric cables. 1,539,490; May 26.

Hutchins, Richard K., Worcester, Mass., assignor to The Whitaker Reed Company. Wire-polishing machine. 1,539,795; May 26.

Hutchinson, Arthur H., Atlanta, Ga. Refrigerating apparatus. 1,539,047; May 26.

Hutsell Motor Company. (See Hutsell, Thomas A., assignor.)

Hutsell, Thomas A., assignor to Hutsell Motor Company, Spokane, Wash. Internal-combustion engine. 1,539,315; May 26.

Hutton, Wilbert A., New Brighton, N. Y. Pussle. 1,539,738; May 26.

Hydraulic Pressed Steel Company, The. (See Davidson, Harry O., assignor.)

Hydraulic Steel Company. (See Brainard, George C., assignor.)

Ibach, Emil, Hoboken, N. J., assignor to Bethlehem Steel Company, Bethlehem, Pa. Chain hook. 1,539,117; May 26.

Illinois Moulding Company. (See Molner, Samuel J., assignor.)

Ingersoll-Rand Company. (See Haight, Harry V., assignor.)

International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)

International Harvester Company. (See Benjamin B. R., and Kowalsky, assignors.)

International Harvester Company. (See French, C. A., and Goit, assignors.)

International Harvester Company. (See Peterson, Walter R., assignor.)

International Harvester Company. (See Robinson, Charles W., assignor.)

International Metal Hose Company. (See Phillips, Walter E., assignor.)

International Motor Company. (See Masury, A. F., and Leipert, assignors.)

International Postal Supply Company, The. (See Mitchell, J. A., and Zahn, assignors.)

Ionides, Philip D., assignor of one-half to Ransomes & Rapier Limited, Ipswich, England. Locomotive hoist and the like. 1,539,491; May 26.

Irish, David J. (See Strachan, C., and Irish.)

Jackson, Charles S., Shawinigan Falls, assignor of one-half to F. S. Brown, Montreal, Quebec, Canada. Air-brake mechanism. 1,539,870; May 26.

Jackson, James M., Parkersburg, W. Va. Buckle. 1,538,941; May 26.

Jacobs, Charles B., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Acid-resistant alloy. 1,539,260; May 26.

Jacobson, Olof, Stockholm, Sweden. Pole switch. 1,539,316; May 26.

Jaeger, Gustav A., Morrison, Ill. Pocket for pool tables. 1,539,192; May 26.

Jaeger, Henry G., Rose Hill, assignor of one-fourth to Dr. E. R. Lambertson, one-fourth to G. P. Clements, Eagle Rock City, and one-fourth to J. Schneider, Los Angeles, Calif. Waterproof coating and process. 1,539,193; May 26.

James, Edward, Euclid, assignor to The Youngstown Sheet and Tube Company, Youngstown, Ohio. Manufacturing flexible metal tubing. 1,539,674; May 26.

Jancay, Henry G., Everett, Mass. Cooling apparatus. 1,539,675; May 26.

Janette, John T., Chicago, Ill. Electric motor. 1,539,571; May 26.

Jayne, Ames R., assignor to American Steel Wheel Corporation, Chicago, Ill. Steel automobile wheel. 1,539,572; May 26.

Jefferis, Ralph X., Millboro, S. Dak. Front and rear end gate for wagon boxes. 1,539,492; May 26.

Jeffries, Jesse C., Big Creek, Calif. Water-closet ventilator. 1,539,573; May 26.

Jensen, Gunnar, assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,538,896; May 26.

Jensen, John, assignor to Whitney Metal Tool Company, Rockford, Ill. Angle-iron bender. 1,539,118; May 26.

John, Elmer N., Milwaukee, Wis. Chance-controlled racing game. 1,539,418; May 26.

Johnson, Albert T., Chicago, Ill. Battery support. 1,539,119; May 26.

Johnson, Aron, Brooklyn, N. Y. Apparatus for applying closures to receptacles. 1,538,940; May 26.

Johnson, Aron, Brooklyn, N. Y. Apparatus for cutting disks from sheets. 1,538,942; May 26.

Johnson, Arthur A., assignor, by mesne assignments, to Underwood Typewriter Company, New York, N. Y. Collating device. 1,539,893; May 26.

Johnson, Charles A., Superior, Wis. Grain door. 1,539,493; May 26.

Johnson Fare Box Company. (See Thompson, E. H., and Baur, assignors.)

Johnson, Frank P., Danville, Pa. Wheel rim. 1,539,317; May 26.

Johnson, George H., Tottenville, N. Y. Ballot-box game. 1,539,357; May 26.

Johnson, Olin S., Palermo, Calif. Sash fastener. 1,539,739; May 26.

Johnson, Walter, Wakonda, S. Dak. Stock waterer. 1,539,740; May 26.

Johnston, Clarence S., Glendive, Mont. Vehicle wheel. 1,539,741; May 26.

Jones, Jacob, Seattle, Wash. Cleaner attachment. 1,539,088; May 26.

Jorgensen, Olav E., New York, N. Y. Starting valve for internal-combustion engines. 1,538,897; May 26.

Joseph, Harry F., Davenport, assignor to Micro Machine Company, Bettendorf, Iowa. Grinding. 1,539,742; May 26.

Judelson, Louis, New York, N. Y. Clothes wringer. 1,538,993; May 26.

Kaanta, Henry W., El Paso, Tex., assignor to American Smelting and Refining Company, New York, N. Y. Treatment of ores. 1,539,120; May 26.

Kahlow, Arthur, Mayville, Wis. Railway-crossing light. Des. 67,403; May 26.

Kamm, Carl H., assignor to Hamilton Manufacturing Company. Mounting structure. 1,538,994; May 26.

Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine-blade fastening. 1,539,574; May 26.

Kathrens, Joseph R., trustee. (See Whitmore, Max C., assignor.)

Keegan, Francis W. (See Pokorny, Frank, assignor.)

Kehrbeck, Karl, and B. P. Bohacek, assignors to Maschinenfabrik Moenus Aktien-Gesellschaft, Frankfort-on-the-Main, Germany. Surface-measuring machine. 1,539,575; May 26.

Keiser, Walter, assignor to The Air Conditioning and Engineering Co., St. Louis, Mo. Ozone-generating unit and regulating the air gap therein. 1,539,419; May 26.

Keller, John, Bismarck, N. Dak. Grain cleaner. 1,539,743; May 26.

Kelly, Samuel O., Wampum, Pa. Tag holder. 1,539,744; May 26.

Kennard, Victor P., Greenland, N. H. Drying rack. 1,539,576; May 26.

Kent, Benjamin P., Outlook, Saskatchewan, Canada. Machine for hulling wheat. 1,539,358; May 26.

Kenworthy, Charles F., assignor to Charles F. Kenworthy, Incorporated, Waterbury, Conn. Baffle plate. 1,539,089; May 26.

Kenworthy, Charles F., Incorporated. (See Kenworthy, Charles F., assignor.)

Kerlin, Eugene G., and W. A. Brandt, assignors to Comas Cigarette Machine Company, Salem, Va. Mechanism for packaging cigarettes and similar articles. 1,539,745; May 26.

Kerr, Charles M. (See Berggren, A. E., and Kerr.)

Kerr, Harry E., Cleveland, Ohio. Gas burner. 1,539,420; May 26.

Kidwell, William O., Indianapolis, Ind. Washer and drier. 1,539,121; May 26.

Kill, Vincent P., Lawton, assignor of one-third to H. J. Muller, Oklahoma City, and one-third to O. J. Gaster, Lawton, Okla. Standing valve for deep-well pumps. 1,539,318; May 26.

Killgore, Robert J. (See Mott, C., Bedortha, and Killgore, assignors.)

Kimball, A., Company. (See Wallin, Gustaf A., assignor.)

Kimball, Irwin P., Los Angeles, Calif. Wrench. 1,539,494; May 26.

Kindscher, Jacob J. (See Rauch, Peter, assignor.)

King, Burnham W., East Orange, N. J., assignor to Julius King Optical Company. Projection device. 1,538,943; May 26.

King, Ernest S., Minneapolis, Minn. Headlight. 1,539,090; May 26.

King, Julius, Optical Company. (See King, Burnham W., assignor.)

Kinsman, Charles F. (See Osterhout, William H., assignor.)

Kirk, Herbert S., New Castle, Pa. Sound-reproducer horn. Des. 67,404; May 26.

Kirschner, Felix, Vienna, Austria. Electroplating metal goods. 1,539,577; May 26.

Kirst, Michael J., Barrington, Ill. Clutch control. 1,539,796; May 26.

Kisinger, William S., and J. A. Ensley, Covington, Ky.; said Kisinger assignor to said Ensley. Switch-actuating device. 1,539,359; May 26.

Kittelsen, Erling, assignor to Lloyd Propulsion Ltd., Eidsvold Verk, Norway. Ship-propelling device. 1,539,814; May 26.

Klebanoff, David, et al. (See Grossman, Samuel, assignor.)

Klebanoff, David, et al. (See Roman, Michael E., assignor.)

Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Candlestick. Des. 67,405; May 26.

Kleinbentink, Jan W., Hoensbroek, Limberg, assignor to Naamloose Vennootschap Verseinigde Kolenmaatschappij en ter Voortzetting der Steenkolenzaken, Gedreven Door de N. V. Furness' Kolenmaatschappij en Hoven en Henny's Handelmaatschappij, Rotterdam, Netherlands. Refining coal slimes or the like. 1,539,746; May 26.

Knapp, Kenneth V. (See Robinson, F. W., and Knapp.)

Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Injector. 1,539,319; May 26.

Knutsson, Carl, Charleston, S. C. Insect destroyer. 1,539,360; May 26.

Koehring Company. (See Robb, John F., assignor.)

Kops, Waldemar, New York, N. Y., assignor to Nemo Circlet Company, Inc. Brassiere. 1,539,578; May 26.

Korzybski, Alfred, New York, N. Y. Educational appliance. 1,539,194; May 26.

Kowalsky, Andrew. (See Benjamin, B. R., and Kowalsky.)

Kraft, Carl, assignor of one-half to L. S. Gatter, New York, N. Y. Electric communicating system. 1,539,421; May 26.

Krantz, Arnold, Gelsenkirchen, Germany. Apparatus for localising and quenching explosions in mines. 1,539,091; May 26.

Kremser, Alois, San Francisco, Calif. Submerged pumping unit. 1,539,195; May 26.

Krug, Henry, and J. Dodd, Cincinnati, Ohio. Window-sash locking and ventilating device. 1,539,092; May 26.

Kucharski, Stanislaus, Charlottenburg, near Berlin, Germany, assignor to Autoscope Ltd., London, England. Optical device for compensating the movement of the film in cinematograph apparatus. 1,539,579; May 26.

Kulman, Charles, assignor of one-half to H. F. O'Brien, Brooklyn, N. Y. Bit. 1,538,808; May 26.

Kuziel, Stanley J., Holyoke, Mass. Counter for stamp-affixing machines. 1,539,048; May 26.

Labombarde, Elie W., Nashua, N. H. Ice-cream box and making the same. 1,539,676; May 26.

Labombarde, Elie W., Nashua, N. H. Leak-tight folded box. 1,539,677; May 26.

Labombarde, Elie W., Nashua, N. H. Packaging ice cream. 1,539,678; May 26.

La Chapelle, Euclid I., Brockton, Mass. Resilient heel. 1,539,320; May 26.

Ladewich, Edward G., assignor to McBee-Ladewich Company, Mansfield, Ohio. Monument. Des. 67,406; May 26.

Ladewich, Edward G., assignor to McBee-Ladewich Company, Mansfield, Ohio. Monument. Des. 67,407; May 26.

Ladewich, Edward G., assignor to McBee-Ladewich Company, Mansfield, Ohio. Monument. Des. 67,408; May 26.

Ladewich, Edward G., assignor to McBee-Ladewich Company, Mansfield, Ohio. Monument. Des. 67,409; May 26.

La Force, George. (See Comstock, Frederick E., assignor.)

Lakatos, Ladislas, New York, N. Y. Type-setter's scale. 1,538,995; May 26.

Lally, John, Boston, Mass. Building column. 1,539,580; May 26.

Lally, John, Great Neck, N. Y. Building column. 1,539,581; May 26.

La Londe, William S. (See Christiansen, Andrew L., assignor.)

Landry, Joseph A., Mont Joli, Quebec, Canada. Traction device. 1,539,582; May 26.

Lambert, Alvan R., Anderson, Ind. Steering-wheel lock. 1,539,495; May 26.

Lambert, Ralph C. (See Omand, Alexander, assignor.)

Lambertson, Dr. Everett R., et al. (See Jaeger, Henry G., assignor.)

Lane, Columbus M., Clarendon, Tex. Valve for water systems. 1,539,747; May 26.

Langley, Raymond M., and P. G. Graf, Chicago, Ill., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio. Display device. 1,538,809; May 26.

Lanz, Heinrich. (See Huber, Fritz, assignor.)

Laroche, Georges, assignor to the Societe Anonyme de la Papeterie de Nanterre, Nanterre, France. Machine for cutting paper lengthwise and rewinding it. 1,539,748; May 26.

Larson, Enoch J., Brooklyn, N. Y. Car street sign. 1,539,679; May 26.

Lashar, Thomas B., Fairfield, Conn., and T. H. Lashar, assignors to Associated Silver Co., Chicago, Ill. Silver-reenforced silver-plated flatware for table use. 1,538,944; May 26.

Lashar, Thomas H. (See Lashar, Thomas B. and T. H.)

Lawson, Lindley S., assignor to Lawson Manufacturing Company, Pittsburgh, Pa. Radiant heater. Des. 67,410; May 26.

Lawson Manufacturing Company. (See Lawson, Lindley S., assignor.)

Leber, George J. (See Smith, O. A., and Leber.)

Lederer, Eugene H., State College, Pa. Vegetable slicer. 1,539,749; May 26.

Leeman, Charles E., Boston, Mass., assignor to W. F. Gaffney and J. V. Weis, Albany, N. Y. Illuminated hub cap. 1,539,894; May 26.

Leggatt, Leonard A. (See Chambers, Frederick J., assignor.)

Legge, Alfred G., Brockton, Mass. Shoe form. 1,539,361; May 26.

Legge, Thomas A., Chicago, Ill., assignor to The Adams & Westlake Company. Deck-sash support. 1,539,122; May 26.

Lehman, Frank H., Lebanon, Pa. Ash-sifting device. 1,539,123; May 26.

Leipert, A. H. (See Masury, A. F., and Leipert.)

Leon, Karl O., assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenborg, Sweden. Antifriction thrust bearing. 1,539,750; May 26.

Levy, M. S., and Sons, Inc. (See Moses, Herbert L., assignor.)

Lewis, David M., Chicago, Ill., assignor to Lewis Draft Appliance Company. Locomotive draft appliance. 1,539,124; May 26.

Lewis, David M., Chicago, Ill., assignor to Lewis Draft Appliance Company. Locomotive draft appliance. 1,539,125; May 26.

Lewis Draft Appliance Company. (See Lewis, David M., assignor.)

Lewis Invisible Stitch Machine Co. (See Mueller, Charles W., assignor.)

Libbey Glass Manufacturing Company, The. (See Schrader, Ernest C., assignor.)

Lightsey, Walter L., Chicago, Ill. Shoe-polishing machine. 1,539,013; May 26.

Lindemann, Henry O., Tompkinsville, N. Y. Bird-cage guard. 1,539,583; May 26.

Lindemann, O., & Co. (See Bentley, Joseph H., assignor.)

Lindsay, Charles M., Washington, D. C. Auxiliary ignition circuit. 1,539,261; May 26.

Linehan, Edwin R., River Falls, Wis. Construction bolt. 1,539,496; May 26.

Link, Vincent, Detroit, Mich., assignor to The Studebaker Corporation, South Bend, Ind. Baffle. 1,538,945; May 26.

Link, Vincent, Detroit, Mich., assignor to Studebaker Corporation. Apparatus for vaporising fuel. 1,539,126; May 26.

Linton, Anne and E., Philadelphia, Pa. Curtain stretcher. 1,539,049; May 26.

Linton, Elisabeth. (See Linton, Anne and E.)

Lipman, Carl E. L., assignor to Lipman Refrigerator Car and Manufacturing Company, Beloit, Wis. Valve structure. 1,539,127; May 26.

Lipman Refrigerating Car and Manufacturing Company. (See Lipman, Carl E. L., assignor.)

Lippert, Richard, New York, N. Y. Ham boiler. 1,539,680; May 26.

Litten, Ira E., Orange, Calif. Snubber. 1,539,196; May 26.

Lloyd Propulsion Ltd. (See Kittelsen, Elling, assignor.)

Lober, George H., Toledo, Ohio. Radiator. 1,539,362; May 26.

Lobnitz & Company Limited. (See Bedgood, Hubert O., assignor.)

Lobnitz, Fred. Crookston, Scotland. Combined subaqueous rock cutter and dredge. 1,539,584; May 26.

Locke, Edward E., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,539,585; May 26.

Loeb, Rudolf, Jenkintown, Pa., assignor to Loeb & Wasch Company, Inc., Camden, N. J. Means for cutting fabrics. 1,539,128; May 26.

Loeb & Wasch Company. (See Loeb, Rudolf, assignor.)

Long, Albert E. (See Crook, C. M., and Long.)

Long, Fred J., and W. H. Emery, Carbondale, Colo. Headlight. 1,539,197; May 26.

Longoria, Antonio, assignor to The W. B. McAllister Company, Cleveland, Ohio. Electrical heating device. 1,539,497; May 26.

Lorentz, Rudolf, Stettin, Germany. American journal for bookkeeping purposes. 1,539,129; May 26

Lösel, Franz, Brunn, Czechoslovakia. Blading of fluid-pressure turbines. 1,539,395; May 26.
Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid turbine. 1,539,396; May 26.
Loughlin, James W. S., Newark, N. J. Clothes post. 1,538,900; May 26.
Lovejoy, Ralph M., Boston, Mass. Spring clamping device and the like. 1,539,321; May 26.
Ludwig & Ludwig, Inc. (See Ludwig, William F., assignor.)
Ludwig, William F., assignor to Ludwig & Ludwig, Inc., Chicago, Ill. Banjo. 1,539,815; May 26.
Lueders, Henry J., Christiana, Pa. Method and apparatus for use in making bread. 1,539,751; May 26.
Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung. (See Stahl, Karl, assignor.)
Lundquist, John E., Chicago, Ill. Combination tool. 1,539,422; May 26.
Luschnig, Oswald, Nokomis, Ill. Power coal shovel. 1,539,130; May 26.
Lynch, David W., Lancaster, Pa. Baby tray. Des. 67,411; May 26.
Lynn, Thomas H. (See Steel, C. C., and Lynn.)
M & M Company, The. (See McLean, John C., assignor.)
MacDonald, Frank J., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for assembling pieces of adhesive sheet material. 1,539,586; May 26.
MacMahon, James D., Niagara Falls, assignor to The Mathieson Alkali Works, New York, N. Y. Apparatus for transportation and utilization of liquefied gases. 1,538,901; May 26.
Maddock, Walter P., Rochester, N. Y. Communion table. 1,539,363; May 26.
Madson, Amos, Pontiac, Ill., assignor, by mesne assignments, to Norway Welt Patents Trust. Shoe and making the same. Re16,082; May 26.
Malcamp, Philip, New Orleans, La. Signaling light for motor vehicles. 1,539,423; May 26.
Malon, Katheryne P., et al. (See Berrigan, John J., assignor.)
Mancha Storage Battery Locomotive Company. (See Teipel, J., and Exner, assignors.)
Mannes, Leopold D., and L. Godowsky, jr., New York, N. Y. Color photography. 1,538,996; May 26.
Manning Bowman & Company. (See Savage, George E., assignor.)
Manning, Maxwell & Moore, Inc. (See Williston, William H., assignor.)
Maples, Jonas E., Fort Worth, Tex. Air gauge and automatic signal for pneumatic-tire fillers. 1,538,997; May 26.
Marcellus, Frederick S., and J. J. Powers, Schenectady, N. Y., assignors to General Electric Company. Timing device. 1,539,684; May 26.
Marcus, Samuel. (See Frisch, Arthur and M. A., assignors.)
Markland, Raymond M., Brooklyn, N. Y. Cigar box. 1,539,757; May 26.
Markle, Robert J., and C. L. Falstrem, Parry Sound, Ontario; said Falstrem assignor of his interest to H. N. Hocken, Toronto, Ontario, Canada. Spark-plug attachment. 1,539,133; May 26.
Marsh, Claude E., Atlanta, Ga. Turning machine. 1,539,364; May 26.
Marsh, Lucien A., Mill Valley, Calif. Game board. 1,539,198; May 26.
Marshall Electric Company. (See Chandeysson, Pierre L., assignor.)
Martin, Humbert O., New York, N. Y. Hem-edge die. 1,539,758; May 26.
Martin, R. E., et al. (See Blakely, William H., assignor.)
Martin, Talbot G., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,539,132; May 26.
Maschinenfabrik Moenus Aktien-Gesellschaft. (See Kehrbeck, K., and Bohacek, assignors.)
Maschinenfabrik Waldau Gesellschaft mit beschrankter Haftung. (See Mocigemba, Emanuel, assignor.)
Mason, Howard. (See Collins, C. H., and Mason.)
Masoner, Harold S., Detroit, Mich. Artificial fish lure. 1,539,365; May 26.
Masury, Alfred F., and A. H. Leipert, assignor to International Motor Company, New York, N. Y. Cushion connection for vehicle construction. 1,539,263; May 26.
Mathieson Alkali Works, The. (See MacMahon, James D., assignor.)
Matravers, Chester H., Manitowoc, Wis. Device for teaching English. 1,539,397; May 26.
Matzen, Herman N., Cleveland, Ohio. Garage door. 1,539,014; May 26.
McAleish, Hugh, New York, N. Y. Instrument. 1,539,262; May 26.
McAllister, W. B., Company, The. (See Longoria, Antonio, assignor.)
McBee-Ladewich Company. (See Ladewich, Edward G., assignor.)
McCain, Thomas J., Arch Creek, Fla. Headlight. 1,539,753; May 26.
McCain, Thomas J., and T. Wilson, Fort Pierce, Fla. Crankless engine. 1,539,752; May 26.
McCarley, Clark V., McClure, Ohio. Light deflector. 1,539,181; May 26.
McChesney, Harold, A., St. James, Minn. Piston ring. 1,539,050; May 26.
McClaren Rubber Company. (See Miller, Charles G., assignor.)
McClatchy, John H. (See Adam, Robert M., assignor.)
McCrohan, John A., and H. C. Erich, New Haven, Conn. Calendering, embossing, and cutting machine. 1,539,052; May 26.
McCullough, Deming, Marietta, Ohio. Steadying device for motion-picture apparatus. 1,539,754; May 26.
McDaniel, J. Wylie, Sonora, Tex. Windmill coupler. 1,539,803; May 26.
McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,539,681; May 26.
McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,539,682; May 26.
McDonald, Leslie R., Montreal, Quebec, Canada. Display apparatus. 1,539,683; May 26.
McElwee, Lawrence C., Hot Springs, Va. Transmission case. 1,539,755; May 26.
McLean, John C., assignor to The M & M Company, Cleveland, Ohio. Radiocabinet. 1,539,051; May 26.
McMillan, Howard O., Minneapolis, Minn. Clamp for concrete-column forms. 1,539,053; May 26.
McNeill, Nellie G., Fort Plain, N. Y. Furniture. 1,539,756; May 26.
Meehan, Paul A., Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc. Car-wheel mounting. 1,539,264; May 26.
Meeker Company, The. (See Myers, Fred E., assignor.)
Meisel Press Manufacturing Company. (See Neilson, John P. E., assignor.)
Meister, William F., Marietta, Ohio. Combined gas engine and power device. 1,539,759; May 26.
Meldau, Charles, New York, N. Y. Self-closing check valve. 1,539,054; May 26.
Melligren, Magnus E., Gottenborg, Sweden. Apparatus for heating the air admitted to the carburetors of petrol engines. 1,539,134; May 26.
Mercenna, John S., assignor of thirty-five one-hundredths to A. Spinner, Brooklyn, N. Y., and fifteen one-hundredths to H. B. Moses, Washington, D. C. Automobile lock. 1,539,498; May 26.
Merrihew, Mason J., Avalon, Calif. Pneumatic insole. 1,539,199; May 26.
Mettler, Lee B., Los Angeles, Calif. Gas burner. 1,539,093; May 26.
Meyer, Herman G., New York, N. Y. Sled brake. 1,539,760; May 26.
Meyer, Jos. H., Bros., Inc. (See Higgins, Edward F., assignor.)
Meyer, Julius P. (See Zollinger, Friedrich, assignor.)
Michaud, John C., Springfield, Mass. Clothes drier. 1,539,685; May 26.
Michod, Charles L., Chicago, Ill., assignor, by mesne assignments, to E. S. Evans & Company, Incorporated, Detroit, Mich. Vehicle stay block. 1,538,998; May 26.
Mickelsen, Marcus. (See Cook, W. E., and Mickelsen.)
Micro Machine Company. (See Joseph, Harry F., assignor.)
Miehle Printing Press & Manufacturing Company. (See Henderson, Carl, assignor.)
Miller, Charles G., assignor to McClaren Rubber Company, Charlotte, N. C. Nonskid-tire tread. Des. 67,427; May 26.
Miller, John A., Homewood, Ill. Amusement structure. 1,539,094; May 26.
Miller, O. A., Treeing Machine Company. (See Hansen, John S., assignor.)
Mills, D. B. (See Schell, Louis B., assignor.)
Milwaukee Tank Works. (See Bienenstok, Edgar A., assignor.)
Mitchell, Courtney N. (See Denneen, F. S., and Mitchell.)
Mitchell, George G., Union, N. J., assignor to L. A. Sayre Company. Hammer-headed tool. 1,539,265; May 26.
Mitchell, John A., Newark, N. J., and L. J. Zahn, Long Island City, assignors to The International Postal Supply Company, Brooklyn, N. Y. Mail-marking machine. 1,538,999; May 26.
Mitchell, Paul, Hampton Roads, Va. Dice. 1,539,015; May 26.
Mizuno, Sakuzo, Shimizu City, Japan. Reel. 1,539,016; May 26.
Mocigemba, Emanuel, assignor to the Firm Maschinenfabrik Waldau Gesellschaft mit beschränkter Haftung, Rheinbach, Germany. Rotating pump. 1,539,587; May 26.
Mock, Frank C. (See Chandler, M. E., and Mock.)
Moldon, Thomas E., Toronto, Ontario, Canada. Coil-winding machine. 1,539,499; May 26.
Molner, Samuel J., assignor to Illinois Moulding Company, Chicago, Ill. Mirror frame. Des. 67,412; May 26.
Moness, Elias, New York, N. Y. Liquid meter. 1,539,424; May 26.
Moore, Ira M., Hamburg, N. Y. Lightning-rod connecter. 1,538,946; May 26.
Morse Andrews Company. (See Rietzel, Adolph H., assignor.)
Morse Dry Dock & Repair Co. (See Strachan, C., and Irish, assignors.)
Morris, Harry, Chicago, Ill. Display cabinet. Des. 67,413; May 26.

Morris, Michael, Brooklyn, N. Y. Cabinet for radio apparatus. Des. 67,414; May 26.
Morrison, Ross W., Washington, D. C. Concrete-form holder. 1,539,017; May 26.
Morton, Albert H., assignor to Morton & Morton, Inc., Lowell, Mass. Pick counter for looms. 1,539,680; May 26.
Morton, Lawrence B., San Francisco, Calif. Apparatus for making photographic enlargements. 1,539,322; May 26.
Morton & Morton, Inc. (See Morton, Albert H., assignor.)
Moses, Herbert B., et al. (See Merenna, John S., assignor.)
Moses, Herbert L., Baltimore, Md., assignor to M. S. Levy and Sons, Inc., Baltimore, Md. Hat. 1,539,398; May 26.
Mosher, Peter W., Stockton, Calif. Automatic electric brake set. 1,539,500; May 26.
Mosler Safe Company. (See Bates, Charles J., jr., assignor.)
Mott, Chester, L. E. Bedortha, and R. J. Killgore, assignors, by mesne assignments, to Purox Company, Denver, Colo. Fuse for use with liquid-oxygen explosives. 1,539,018; May 26.
Mountford, Clarence E., Brooklyn, N. Y. Variable resistance. 1,539,266; May 26.
Mueller, Charles W., St. Louis, Mo., assignor, by mesne assignments, to Lewis Invisible Stitch Machine Co. Looper-driving mechanism for sewing machines. 1,539,399; May 26.
Muhleisen, Karl, assignor to Schutte and Koerting Company, Philadelphia, Pa. Heat-exchange apparatus. 1,539,267; May 26.
Muir, James. (See Young, W. H., and Muir.)
Müller, Bruno, Berlin-Neukolln, Germany. Desiccating vegetable material. 1,539,588; May 26.
Müller, Emil, Dusseldorf, assignor to Rheinische Metall-Waaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Stalk-end leveler for sheaf binders. 1,539,135; May 26.
Muller, Gottlieb, deceased, Philadelphia, Pa.; J. B. Taylor, administrator. Water-circulating attachment for internal-combustion engines. 1,539,687; May 26.
Muller, Henry J., et al. (See Kill, Vincent P., assignor.)
Murphy, Joseph W., Springfield, Mass. Welded locomotive tender. 1,539,688; May 26.
Murray, Julia M., St. Louis, Mo. Crib mounting. Des. 67,415; May 26.
Murray, Michael D., Ambridge, Pa. Automobile parking garage. 1,539,761; May 26.
Murray, Thomas E. (See Phelps, George H., assignor.)
Murray, Thomas E., Brooklyn, N. Y. Core and making conduits. 1,538,902; May 26.
Mussabini, Sciplo G., assignor of two-thirds to J. E. Fyfield, London, England. Footgear. 1,539,762; May 26.
Myers, Fred E., assignor to The Meeker Company, Joplin, Mo. Leather. Des. 67,416; May 26.
Naamlooze Vennootschap de Batafsche Petroleum Maatschappij. (See Chase, Donald E., assignor.)
Naamlooze Vennootschap Industrieele Maatschappij voorheen. Noury & Van Der Lande. (See Sutherland, Egbert C., assignor.)
Naamlooze Vennootschap Norit Witzuiker Maatschappij (also called Norit White Sugar Company). (See Sauer, John N. A., assignor.)
Naamlooze Vennootschap Philips' Gloeilampenfabrieken. (See Holst, Gilles, assignor.)
Naamlooze Vennootschap Vereenigde Kolenmaatschappij en ter Voortsetting der Steenkolenraken, Gedreven Door de N. V. Furness' Kolenmaatschappij en Hoven en Henny's Handelmaatschappij. (See Kleinbentink, Jan W., assignor.)
Nagel, W. G., Electric Company, The. (See Adams, Harry E., assignor.)
National Acme Company, The. (See Smith, O. A., and Leber, assignors.)
National Acme Company, The. (See Smith, Oscar A., assignor.)
National Aniline & Chemical Co. (See Geller, Leon W., assignor.)
National Benzole Association. (See Williams, Evan C., assignor.)
National Carbon Company, Inc. (See Hopkins, Nevil M., assignor.)
National Cash Register Company, The. (See Carroll, Thomas, assignor.)
National Cash Register Company, The. (See Hermann, Albert C., assignor.)
National Cash Register Company, The. (See Von Pein, Edward J., assignor.)
National Lead Company. (See Walker, E. C., and Brinker, assignors.)
Nattrass, Howard, assignor to W. E. Willis, Wellington, New Zealand. Carbureting device. 1,539,589; May 26.
Nawiasky, Paul, and K. Saurwein, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Manufacture of vat coloring matters. 1,539,689; May 26.
Neel, Louis B., Port Arthur, Tex. Wrench. 1,539,136; May 26.
Neilson, John P. E., Quincy, assignor to Meisel Press Manufacturing Company, Boston, Mass. Sheet control for printing presses and the like. 1,539,501; May 26.
Nelson, George H., Belvidere, Kans. Adjustable wrench. 1,539,137; May 26.
Nemo Circlet Company. (See Kops, Waldemar, assignor.)
Neubert, Walter P., and W. E. Smith, Pittsburgh, assignors to The Union Switch & Signal Company, Swissvale, Pa. Slow-acting device. 1,539,323; May 26.
Neuburger, Jacob, Chicago, Ill. Pulverising machine. 1,539,401; May 26.
Neusbaum, Charles W., Rochester, assignor to Beechnut Packing Company, Canajoharie, N. Y. Wrapping and sealing machine. 1,539,400; May 26.
New Jersey Machine Corporation. (See Feybush, M., and Fleischer, assignors.)
Newman, William J., Chicago, Ill. Excavating apparatus. 1,538,947; May 26.
Newton, Ralph K. (See Hughes, A. E., and Newton.)
Newton, Rufus T. (See Hughes, A. E., and Newton.)
Nichols, Harold W., Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Producing electrical oscillations. 1,539,402; May 26.
Nichols, Winfield S., Rockford, Ill. Razor-blade stropper. 1,539,403; May 26.
Nicholson, Frank H., Philadelphia, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. Re16,083; May 26.
Nicholson, Noll M., Temple, Tex. Combined vehicle bumper and extractor. 1,539,138; May 26.
Nickle, Clifford A., Schenectady, N. Y., assignor to General Electric Company. Stroboscopic device. 1,539,690; May 26.
Nikonow, John P., New York, N. Y. Tennis racket. 1,539,019; May 26.
Nixon, Miles G., Bridgeton, N. J. Constructing asphalt pavements. 1,539,763; May 26.
Noble, Benjamin, assignor to Capital Brass Works, Detroit, Mich. Centrifugal casting machine. 1,539,691; May 26.
Noll, Theobald H., New York, N. Y. Electrical steam generation. 1,539,692; May 26.
Norman, Oscar A., Newark, N. J. Emergency means of egress from elevator cars. 1,539,268; May 26.
North & Judd Manufacturing Company. (See Hancock, Horace G., assignor.)
Northrop, Jonas, Hopedale, assignor to Hopedale Manufacturing Company, Milford, Mass. Picker-stick parallel motion. 1,539,590; May 26.
Norwalk Company, The. (See Parks, Albert F., assignor.)
Norway Welt Patents Trust. (See Madson, Amos, assignor.)
Nothdurft, Henning, Richmond Hill, N. Y. Multiple fuse. 1,539,404; May 26.
Nourbourn, J. W., et al. (See Carmichael, Henry, assignor.)
Nunn, Walter E. (See Deaton, G. H., and Nunn.)
Nya Nordiska Kullager Aktiebolaget. (See Leon, Karl O., assignor.)
Nyquist, Harry, Elmhurst, N. Y., assignor to American Telephone and Telegraph Company. Transformer. 1,538,948; May 26.
O'Brien, Harold F. (See Kulman, Charles, assignor.)
O'Brien, Robert E., Council Bluffs, Iowa. Game-reproducing mechanism. 1,539,366; May 26.
O'Bryant, Benjamin F., assignor of one-half to I. M. Rosen, Gadsden, Ala. Cut-off valve for steam engines. 1,539,200; May 26.
O'Connor, James A., Essendon, Melbourne, Victoria, Australia. Motor-cycle side car. 1,539,139; May 26.
O'Dowd, Henry W., Jersey City, N. J., assignor, by mesne assignments, to Standard Gas Equipment Corporation, Baltimore, Md. Ignition device for gas ranges, etc. 1,539,324; May 26.
Oginz, Adam, Brooklyn, N. Y. Glass-tube cutter. 1,538,903; May 26.
Okrassa, Roberto T. E., Antigua, Guatemala. Sugar mill or cane crusher. 1,539,502; May 26.
Oliver Electric and Manufacturing Company. (See Amos, John A., assignor.)
Omand, Alexander, assignor of one-half to R. C. Lambert, Toronto, Canada. Blow-out patch for pneumatic tires. 1,539,325; May 26.
Ormsbee, Willard A., assignor to Taunton Pearl Works, Inc., Taunton, Mass. Display device. 1,539,405; May 26.
Orr, Florian C., Hamlet, Ind. Nonchoking attachment for plows. 1,539,693; May 26.
Osterhout, William H., assignor to C. F. Kinsman, New York, N. Y. Decarbonizing engine cylinders. 1,538,904; May 26.
Oswald, Earl P. (See Holley, C. M., and Oswald.)
Ottow, Frederick A., Los Angeles, Calif. Milk-bottle carrier. 1,539,201; May 26.
Ovington, Earle L., Santa Barbara, Calif. Heating system and means. 1,539,591; May 26.
Owen Dyneto Corporation. (See Perkins, Laurence M., assignor.)
Owen, Malcolm, London, England. Intaglio-printing machine. 1,539,202; May 26.
Owens, Henry H., Madison, Ind. Auto direction signal. 1,539,367; May 26.

Paré, Victor W., Stamford, Conn. Vehicle body construction. 1,539,764; May 26.
Pare, William C., Oceanpark, Calif. Shovel. 1,539,765; May 26.
Palmer, Harry A., assignor to Reynolds Spring Company, Jackson, Mich. Crimping machine. 1,539,326; May 26.
Palmer, John F., Clapham, London, assignor, by mesne assignments, to Strechanpres Trouser Appliance Company Limited, Cheapside, London, England. Trouser stretcher. 1,539,203; May 26.
Palmer, Winfield S., Glenburn, Pa. Filler for egg-shipping cases and the like. 1,539,140; May 26.
Panecik, Adam, Taylor Springs, Ill. Drawknife. 1,539,766; May 26.
Papastefanou, Emanuel, assignor to Perfection Gas Filter Corporation, Mount Vernon, N. Y. Gasoline strainer. 1,539,020; May 26.
Parish, Le Grand, Mountainview, N. J. Refractory structure. 1,538,905; May 26.
Parisian, Richard J., Battle Creek, assignor to The Wigginton Company, Kalamazoo, Mich. Potential indicator. 1,538,906; May 26.
Parker Rotary Stone Saw Company. (See Hall, John A., assignor.)
Parks, Albert F., assignor to The Norwalk Company, South Norwalk, Conn. Unloader for compressors. 1,539,269; May 26.
Parrish, Enoch D., Harrisonville, Mo. Bed-rail fastener. 1,539,503; May 26.
Pattberg, Elizabeth. (See Pattberg, George A., assignor.)
Pattberg, George A., assignor to E. Pattberg, San Leandro, Calif. Can opener. 1,539,095; May 26.
Payne, Charles H., Cincinnati, Ohio. Scrapbook. 1,539,592; May 26.
Pease, Isaac M., Cincinnati, Ohio. Truss pad. 1,539,055; May 26.
Peck, Ida F. (See Blanding, Joseph E., assignor.)
Peerless Light Company. (See Hershkovitz, Max, assignor.)
Peerless Pneumatic Systems, Inc. (See Bartling, Howard G., assignor.)
Pelton Water Wheel Co., The. (See Gfeller, Frederick A., assignor.)
People of the United States. (See Thelen, Rolf.)
Pepling, Marinus, Paterson, N. J. Feil-finding means for looms. 1,539,425; May 26.
Perfection Gas Filter Corporation. (See Papastefanou, Emanuel, assignor.)
Perkins, Laurence M., assignor of one-half to Owen Dyneto Corporation, Syracuse, N. Y. Generator. 1,539,406; May 26.
Perry, Leroy H., Gardena, Calif. Well-casing protector. 1,539,096; May 26.
Peters, Albert N., Crane, Mo. Trap nest. 1,539,000; May 26.
Peters, Frank R., New York, N. Y., assignor to Franklin Railway Supply Company. Locomotive booster-motor construction. 1,539,270; May 26.
Peterson, Arthur C., Los Angeles, Calif. Safety-razor-blade holder. 1,539,141; May 26.
Peterson, Ernest A., Oakland, Calif. Casement sash. 1,539,142; May 26.
Peterson, Jonathan, Brooklyn, assignor to Combination Machine Company, New York, N. Y. Tobacco package or container. Re16,084; May 26.
Peterson, Walter R., Chicago, Ill., assignor to International Harvester Company. Center cutter for disk harrows. 1,539,097; May 26.
Petri, Frank E., Peoria, Ill. Connection plug. 1,539,504; May 26.
Petroleum Heat & Power Company. (See Fesler, Milton A., assignor.)
Petry, Jacob, Pittsburgh, Pa. Denture. 1,539,143; May 26.
Phelan, Louis A. M., Beloit, Wis., assignor to Absolute Con-Tac-Tor Corporation. Switch. Re16,087; May 26.
Phelps, George H., Warehouse Point, Conn., assignor to T. E. Murray, Brooklyn, N. Y. Production of rings and the like. 1,539,593; May 26.
Phelps, Wilbur M., Staunton, Va. Liquid-level indicator. 1,539,407; May 26.
Philadelphia Drying Machinery Company, The. (See Allsop, Thomas, assignor.)
Philadelphia Drying Machinery Company, The. (See Allsop, T., and Sibson, assignors.)
Phillips Mine & Mill Supply Co. (See Fleming, Frank L., assignor.)
Phillips, Walter E., assignor to International Metal Hose Company, Inc., Cleveland, Ohio. Hose coupling. 1,539,327; May 26.
Pierce, Earl F., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricant compressor. 1,539,594; May 26.
Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe. 1,539,767; May 26.
Pierce, George L., Brooklyn, assignor to A. G. Spalding & Bros., New York, N. Y. Shoe. 1,539,768; May 26.
Pigeon, Albert M., deceased, by A. M. Pigeon, administratrix, Norristown, Pa. Yarn-tensioning device. 1,539,408; May 26.
Pigeon, Anna M., administratrix. (See Pigeon, Albert M.)
Pintsch, Julius, Aktien-Gesellschaft. (See Rosenthal, Hans, assignor.)
Piper, Walter F. (See Beardsley, E. O., and Piper.)
Plainfield Trust Company, The, administrator. (See Hopkins, Charles E.)
Poillon, George W., jr., Tarrytown, N. Y. Motor silencer. 1,539,769; May 26.
Pokorny, Frank, Mamaroneck, assignor of one-half to F. W. Keegan, New York, N. Y. Fluid-control means for motors. 1,539,271; May 26.
Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,539,505; May 26.
Polzer, Fridolin, assignor to The E. H. Hotchkiss Company, Norwalk, Conn. Stapling machine. 1,539,506; May 26.
Powell, Herbert S., New Hartford, N. Y. Muffler for explosive engines. 1,539,595; May 26.
Powell, Herbert S., New Hartford, N. Y. Joint for springs. 1,539,596; May 26.
Power, Henry R., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive composition. 1,539,094; May 26.
Powers, Jesse J. (See Marcellus, F. S., and Powers.)
Pratt, Edward A., Chicago, Ill. Loose-leaf binder. 1,539,696; May 26.
Prenzel, Adam H., Halifax, Pa. Making shoes. 1,539,507; May 26.
Prescott, Sydney I., New York, N. Y. Motor-car spring suspension. 1,539,272; May 26.
Price, Osborne I., Frederick, assignor, by mesne assignments, to The W. H. Reisner Mfg. Co., Hagerstown, Md. Electric-circuit-controlling device. 1,538,949; May 26.
Price, Osborne I., Frederick, assignor, by mesne assignments, to The W. H. Reisner Mfg. Co., Hagerstown, Md. Circuit-controlling device. 1,538,950; May 26.
Price, Port A., Richmond, Calif. Dirt loader. 1,539,144; May 26.
Priebe, Herman C., Blue Island, Ill. Draft gear. 1,539,368; May 26.
Pringle, William, Richmond Hill, N. Y. Stenciling apparatus. 1,538,951; May 26.
Prowense, Joseph S., Kansas City, Mo. Time switch. 1,539,204; May 26.
Purox Company. (See Mott, C., Bedortha, and Killgore, assignors.)
Ram, Alfred W., assignor to W. H. Finckel, jr., Washington, D. C., trustee. Traffic signal. 1,538,952; May 26.
Rammelmeyer, Frans, Heidelberg, Germany. Game. 1,539,426; May 26.
Ramsay, Erskine, Birmingham, Ala. Continuous rotary dump. 1,539,205; May 26.
Rand, James H., jr., Tonawanda, N. Y. Card-index device. 1,539,206; May 26.
Ranker, Jacob, Anaheim, Calif. Ridging machine. 1,539,207; May 26.
Ransomes & Rapier, Limited. (See Ionides, Philip D., assignor.)
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,539,597; May 26.
Ratel, Maurice, New York, N. Y. Underfeed stoker. 1,539,208; May 26.
Ratel, Maurice, New York, N. Y. Underfeed stoker. 1,539,369; May 26.
Rathbun, Edgar A., assignor to American Forging and Socket Company, Pontiac, Mich. Vehicle top. 1,539,209; May 26.
Rau, John, Indianapolis, Ind. Electrically-heated glass-flow device. 1,539,598; May 26.
Rausch, Peter, assignor of one-half to J. J. Kindscher, Beloit, Kans. Cut-out for cistern water pipes. 1,539,370; May 26.
Ray, Elmer M., Hominy, Okla. Swivel socket. 1,539,056; May 26.
Raymond, Walter T., St. Louis, Mo. Ticket for use in merchandising campaigns. 1,538,953; May 26.
Rector, Thomas M., Rutherford, N. J., assignor to Vitapack Corporation, New York, N. Y. Battery. 1,539,427; May 26.
Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)
Reed, Sylvanus A., assignor to The Reed Propeller Co., Inc., New York, N. Y. Propeller. 1,539,273; May 26.
Reedy, Alfred J., assignor to A-B Stove Company, Battle Creek, Mich. Stove. 1,539,599; May 26.
Reinelt, William W., Deckerville, Mich. Clutch-pedal holder. 1,539,770; May 26.
Reisner, W. H., Mfg. Co., The. (See Price, Osborne I., assignor.)
Reitinger, Walter E. A., assignor of one-half to J. Ertle, Paola, Kans. Tobacco pipe. 1,539,021; May 26.
Reitinger, Walter E. A., assignor of one-half to J. Ertle, Paola, Kans. Tobacco pipe. 1,539,022; May 26.
Reitz, Ludwig, Dusseldorf-Eller, Germany. Apparatus for the production of high-pressure acetylene. 1,539,409; May 26.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Remington Typewriter Company. (See Hart, Frederick A., assignor.)

Rentfrow, Alonzo A., and J. T. Brown, jr., Omaha, Nebr.; said Rentfrow assignor to said Brown. Tire protector. 1,539,600; May 26.
Reynolds, Lloyd V. (See Ensign, William B., assignor.)
Reynolds Spring Company. (See Palmer, Harry A., assignor.)
Rheinische Metall-Waaren- und Maschinenfabrik. (See Müller, Emil, assignor.)
Rhodes, John A., Atlanta, assignor to J. H. Walker, jr., Griffin, Ga. Spraying apparatus. 1,539,771; May 26.
Richards, Charles H., assignor of one-half to Richsto Manufacturing Company, Aurora, Ill. Structural element for buildings. 1,539,328; May 26.
Richsto Manufacturing Company. (See Richards, Charles H., assignor.)
Rickon, Harold J., San Francisco, Calif. Advertising device for airplanes. 1,539,329; May 26.
Riddell, William A., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic shutter. 1,539,410; May 26.
Ridderstrom, Andrew R., Nahant, assignor, by mesne assignments, to T. C. Rowen, Swampscott, Mass. Tool holder. 1,539,067; May 26.
Riedel, Charles E., Mount Clemens, Mich., assignor, by mesne assignments, to Dayton Scale Company, Dayton, Ohio. Scale. 1,539,601; May 26.
Rietzel, Adolph H., assignor to Morse Andrews Company, Attleboro, Mass. Belt buckle. 1,539,508; May 26.
Riley, Alexander L. (See Teason, A. G., Riley, and Fortune.)
Ring, William, Detroit, Mich. Guardhouse. 1,539,509; May 26.
Ritchie, Duncan J., London, England. Lamp. 1,539,696; May 26.
Ritter, Adolph P., Chicago, Ill. Heated sanitary device. 1,538,907; May 26.
Robb, John F., Cleveland Heights, Ohio, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Machine for constructing reenforced-concrete ponds. 1,539,145; May 26.
Roberts, Edgar F., Detroit, Mich. Constructing buildings. 1,539,028; May 26.
Roberts, Theodore C., New York, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Apparatus for molding articles. 1,539,510; May 26.
Roberts, Theodore C., New York, N. Y., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Spring motor. 1,539,511; May 26.
Robertson, Andrew R., and A. F. Dunsmore, Glasgow, Scotland. Safety device for centrifugal-machine baskets. 1,539,772; May 26.
Robertson, Edward, Marylebone, London, and L. M. Wyllie, St. Pancras, London, England. Method and apparatus for coating cinematograph and other films. 1,539,697; May 26.
Robinson, Charles W., Auburn, N. Y., assignor to International Harvester Company, Chicago, Ill. Three-way tractor lug. 1,539,098; May 26.
Robinson, Frederic W., and K. V. Knapp, assignors to Hanovia Chemical and Mfg. Co., Newark, N. J. Adjustable lamp stand. 1,539,304; May 26.
Robinson, Rochfort W., Marlow, England. Combined internal-combustion and compressed-air engine. 1,539,024; May 26.
Robinson, Thomas, New York, N. Y., assignor to Anaconda Sales Company. Metallized roofing material. 1,539,512; May 26.
Rocky Mountain Novelty Company. (See Stoll, Frank M., assignor.)
Roettger, Edmund F., assignor of one-half to The Stout Lumber Company, Thornton, Ark. Apparatus for checking or tallying up lumber. 1,539,698; May 26.
Romaine, Theodore, Irvington, N. J. Dental mixing slab. 1,539,428; May 26.
Root, Chapman J. (See Samuelson, Alexander, assignor.)
Rose, Richard C., Osceola, Ark. Induction-coil mounting. 1,539,210; May 26.
Rosen, I. M. (See O'Bryant, Benjamin F., assignor.)
Rosenbloom, William, and C. T. Blume, Revere, Mass. Combined socket and rheostat for radio use. 1,539,602; May 26.
Rosenthal, Hans, assignor to Julius Pintsch Aktien-Gesellschaft, Berlin, Germany. Distilling shale and similar bituminous fuels. 1,538,954; May 26.
Ross, James A., Chicago, Ill. Boiler. 1,539,330; May 26.
Ross, Walter T., Vancouver, British Columbia, Canada. Lock nut. 1,539,513; May 26.
Roth, Frank X., Portland, Oreg. Game. 1,539,773; May 26.
Rouleau, Stephen. (See Callahan, R., and Rouleau.)
Rowen, Thomas C. (See Ridderstrom, Andrew R., assignor.)
Royal Baking Powder Company. (See Stokes, William E., assignor.)
Rubin, Adolph, assignor to Sieber Products Mfg. Co., St. Louis, Mo. Refrigerator lock. 1,539,058; May 26.
Rudolph, Wilhelm. (See Hecht, H., Hahnemann, and Rudolph.)
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar-wrapper-delivering means. 1,539,274; May 26.
Saathoff, George W., South Orange, N. J., assignor to Doherty Research Company. Protecting the linings of furnaces. 1,539,275; May 26.
Sachs, Joseph, Hartford, Conn. Ignition timer for internal-combustion engines. 1,539,514; May 26.
Saco-Lowell Shops. (See Whittier, J. K., and Curley, assignors.)
Safety Car Heating & Lighting Company. (See Hulse, George E., assignor.)
Samuelson, Alexander, assignor to C. J. Root, Terre Haute, Ind. Conveyer for glassware. 1,539,515; May 26.
Sapronos, John, Bridgeport, Conn. Pulp-wood peeler. 1,539,603; May 26.
Sartig, Willy, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Overload-circuit breaker for motors started by means of a starting resistance. 1,539,429; May 26.
Sato, Ryuji, New York, N. Y. Window shade. 1,539,774; May 26.
Sauer, Johan N. A., assignor to Naamlooze Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company,) Amsterdam, Netherlands. Purifying and sterilising water. 1,539,775; May 26.
Saurwein, Karl. (See Nawiasky, P., and Saurwein.)
Savage, George E., assignor to Manning, Bowman & Company, Meriden, Conn. Electric waffle iron. 1,539,276; May 26.
Sawyer, Charles A., jr., Newton, Mass. Safety clutch mechanism. 1,539,430; May 26.
Sawyers, John B., Gainesville, Tex. Workbench. 1,539,059; May 26.
Sayre, L. A., Company. (See Mitchell, George G., assignor.)
Schab, John W. (See Schafer, D. E., and Schab.)
Schafer, David E., and J. W. Schab, Columbus, Ohio. Sign. 1,539,025; May 26.
Schell, Louis B., Tampa, assignor of one-half to D. B. Mills, West Tampa, Fla. Shock absorber. 1,538,955; May 26.
Schell, Paul E., Detroit, Mich. Panel or curtain construction. 1,539,604; May 26.
Schenkein, Samuel M., Newark, N. J. Bottle closure. 1,539,431; May 26.
Scheurer, Robert C., West Hoboken, and F. Greenberg, Jersey City, N. J. Game. 1,539,776; May 26.
Schmidt, Henry F., Swarthmore, Pa., assignor to Westinghouse Electric & Manufacturing Company. Marine turbine. 1,539,516; May 26.
Schmidt, Ludwig, Munich, Germany. Manufacturing glycerin and alkali soaps. 1,539,777; May 26.
Schmidt, Otto, assignor to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Tanning. 1,539,517; May 26.
Schneider, Julius, et al. (See Jaeger, Henry G., assignor.)
Schrader, Ernest C., assignor to The Libbey Glass Manufacturing Company, Toledo, Ohio. Air-control means for glass-blowing machines. 1,539,146; May 26.
Schreiber, John, St. Louis, Mo. Thread-waxing device for sewing machines. 1,539,518; May 26.
Schrell, Charles C., Chicago, Ill. Electrical switch. 1,539,278; May 26.
Schrell, Charles C., Chicago, Ill. Electrical switch. 1,539,279; May 26.
Schroeder, Robert G. (See Hofmann, G., and Schroeder.)
Schultz, Theodore C., River Forest, assignor to The Tribune Company, Chicago, Ill. Registering table. 1,538,908; May 26.
Schoenwerk, Otto C., assignor to Budd Wheel Company, Philadelphia, Pa. Mill for rolling tapered disks. 1,539,432; May 26.
Schutte and Koerting Company. (See Muhleisen, Karl, assignor.)
Schenck, Pierce D., Dayton, Ohio, assignor to The Dur-iron Company, Inc. Adjustable bracket. 1,539,277; May 26.
Schorger, Arlie W., Madison, Wis., assignor to C. F. Burgess Laboratories. Utilizing resinous woods. 1,539,433; May 26.
Schubert, Mary J., Glendale, Mo. Thimble. 1,539,434; May 26.
Schutz, Joseph M., Chicago, Ill., assignor, by mesne assignments, to Centrifix Corporation, Cleveland, Ohio. Centrifugal apparatus. 1,539,435; May 26.
Scott, Andrew W., jr., Venice, Cal. Toy goose. Des. 67,417; May 26.
Scott, Josiah and A. A. Bennett, Toledo, Ohio. Segmental clamping body. 1,539,871; May 26.
Scruggs, Edward C., Nashville, Tenn. Can opener. 1,539,211; May 26.
Seaman, David S., Providence, R. I. Process or method and apparatus for spinning or twisting and winding yarn. 1,538,956; May 26.
Searles, Wayne S., assignor to Universal Optical Corporation, Providence, R. I. Ophthalmic mounting. 1,539,147; May 26.
Seemiller, Paul E., Detroit, Mich. Radiator. 1,539,212; May 26.
Sellers, William & Company. (See Kuenzi, Strickland L., assignor.)
Selph, Carl F., assignor to D. T. Hulse, De Queen, Ark. Drier and deodorizer. 1,539,778; May 26.

Selph, Carl F., assignor to D. T. Hulse, De Queen, Ark. Drier and deodorizer. 1,539,779; May 26.
Seymour, James A., Auburn, N. Y. Maneuvering mechanism for internal-combustion engines. 1,539,060; May 26.
Shank, Edwin A., Brooklyn, N. Y. Folding tire-display holder. 1,539,519; May 26.
Shannon, Jesse P., Lake Geneva, Wis. Fishing lure. 1,538,909; May 26.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Shaw, George, Ashton-under-Lyne, England. Locking nuts upon bolts. 1,539,213; May 26.
Sharp & Smith. (See Hodlick, Charles E., assignor.)
Shaw, Louis E., East Orange, N. J. Decoy duck. 1,539,436; May 26.
Shaw-Walker Company. (See Davis, Elmer W., assignor.)
Sheaffer, Charles F., Oklahoma City, Okla. Spotlight shift. 1,539,520; May 26.
Shirley, Albert E., Toronto, Ontario, Canada. Rail anchor. 1,539,437; May 26.
Shockey, Willis G., Chicago, Ill. Exercising device. 1,539,214; May 26.
Sibson, Walter W. (See Allsop, T., and Sibson.)
Sieber Products Mfg. Co. (See Rubin, Adolph, assignor.)
Siemann, Henry M., Fort Lupton, Colo. Lawn sprinkler. 1,539,331; May 26.
Siemens & Halske, Aktiengesellschaft. (See Clausing, Arthur, assignor.)
Sievers, Otto. (See Benda, L., and Sievers.)
Signal Gesellschaft m. b. H. (See Hecht, H., Hahnemann, and Rudolph, assignors.)
Silberman, David, New York, N. Y. Hook and eye tape. 1,539,488; May 26.
Silverman, Harry J., New York, N. Y. Loose-leaf binder. 1,539,280; May 26.
Simmons, Albert H., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric flatiron. 1,539,605; May 26.
Simpson, Thomas, Beaumont, Tex. Brake. 1,539,372. May 26.
Singer Manufacturing Company, The. (See Becker, Rudolph, assignor.)
Singer Manufacturing Company, The. (See Chason, Daniel H., assignor.)
Sizer, Albert W., Hessle, England. Machine for compressing or molding plastic substances. 1,539,340; May 26.
Skaer, Arthur H., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Motor. 1,539,215; May 26.
Smiley, Pearl Y., Kitchener, Ontario, Canada. Boot. 1,539,332; May 26.
Smith, Edward D., Erie, Pa. Check protector. 1,539,061; May 26.
Smith, Elmer H., Minneapolis, Minn. Carbide-feeding means. 1,539,606; May 26.
Smith, George L., assignor to United States Ordnance Company, Washington, D. C. Brake mechanism. 1,539,780; May 26.
Smith, Jesse A., R., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,281; May 26.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,373; May 26.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,521; May 26.
Smith, Mary P., Denver, Colo. Fruit evaporator. 1,538,957; May 26.
Smith, Oscar A., East Cleveland, assignor to The National Acme Company, Cleveland, Ohio. Tool-holding means. 1,539,439; May 26.
Smith, Oscar A., East Cleveland, and G. J. Leber, assignors to The National Acme Company, Cleveland, Ohio. Nut forming and drilling machine. 1,539,440; May 26.
Smith, Robert L., Erith, assignor to Vickers Limited, Westminster, England. Manufacture of drills and similar tools. 1,539,374; May 26.
Smith, William B. (See Neubert, W. P., and Smith.)
Smokador Manufacturing Company, The. (See Fleming, Robert G., assignor.)
Smythe, Albert E., Buenos Aires, Argentina. Memorandum wrist watch. 1,539,781; May 26.
Snyder, Jacob B., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Rebound controller. 1,539,062; May 26.
Snyder, Jacob B., assignor to The Star Rebound Controller Company, Cleveland, Ohio. Rebound controller. 1,539,063; May 26.
Snyder, Simon, assignor to Sprout, Waldron & Co., Muncy, Pa. Feeding device. 1,539,333; May 26.
Snyder, W. Earl, Norwood, assignor to The Edna Brass Mfg. Company, Cincinnati, Ohio. Lubricator. 1,539,522; May 26.
Societe Anonyme de la Papeterie de Nanterre. (See Laroche, Georges, assignor.)
Society Chemical Works, formerly Sandoz. (See Boeniger, Melchior, assignor.)
Society of Chemical Industry in Basle. (See Fritzsche, Hermann, assignor.)
Soman, Michael E., assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,418; May 26.
Soman, Michael E., assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,419; May 26.
Soman, Michael E., assignor to D. Klebanoff and S. Grossman, New York, N. Y. Finger ring. Des. 67,420; May 26.
Somerville, John W. (See Tytler, A. C., and Somerville.)
Somerville, Thomas P. (See Burke, Norman, Q. D., assignor.)
Spahn, David, Wheatland, Wyo. Harrow structure. 1,539,441; May 26.
Spalding, A. G., & Bros. (See Pierce, George L., assignor.)
Spinner, Abraham, et al. (See Merenna, John S., assignor.))
Spinney, Edmund S., Abington, assignor to J. Fitzpatrick, Braintree, and C. H. Fitzpatrick, North Abington, Mass. Machine for setting eyelets, rivets, and the like. 1,539,216; May 26.
Spotswood Specialty Company. (See Armstrong, Jesse A., assignor.)
Spraggins, Oscar T., Memphis, Tenn. Mailing box. 1,539,523; May 26.
Sprague-Sells Corporation. See Holmquist, A., and Bjorklund, assignors.)
Spray, Lester E., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,539,334; May 26.
Spring, Frank S., Sandusky, Ohio. Lubricating system for internal-combustion engines. 1,539,607; May 26.
Sprout, Waldron & Co. (See Snyder, Simon, assignor.)
Spurr, Robert E., assignor to Dodge Brothers, Detroit, Mich. Chuck. 1,539,282; May 26.
Staats-Oels, Rudolph C. G., Brooklyn, N. Y. Shoe heel and sole lift. 1,539,283; May 26.
Standard Gas Equipment Corporation. (See O'Dowd, Henry W., assignor.)
Standard Thermometer Company. (See Adair, Thomas D., jr., assignor.)
Standard Trump Brothers Machine Company. (See Houseman, Harold E., assignor.)
Stahl, Karl, assignor to the Firm: Luftschiffbau Zeppelin Gesellschaft mit beschränkter Haftung, Friedrichshafen, Germany. Long-distance traction-rope device. 1,539,217; May 26.
Stanley, Louis A., Hillsboro, Ohio. Oiler for automobiles. 1,539,375; May 26.
Stansell, Clyde H., Renton, Wash. Power-driven screw driver. 1,539,782; May 26.
Star Rebound Controller Company. (See Snyder, Jacob B., assignor.)
Staude, Edwin G., Minneapolis, Minn. Phonograph. 1,539,064; May 26.
Steel, Charles C., and T. H. Lynn, Williamsport, Pa.; said Steel assignor to said Lynn. Tire carrier for automobiles. 1,539,783; May 26.
Steeple, John P., Seattle, Wash. Emergency connection. 1,539,001; May 26.
Stephens, W. L., assignor to M. E. Geer, Douglasville, Ga. Protector-rod holder for looms. 1,539,026; May 26.
Steiner Brothers. (See Steiner, Ulrich, assignor.)
Steiner, Ulrich, assignor to Steiner Brothers, Lima, Ohio. Valve lathe. 1,538,958; May 26.
Stern, Charles, Jersey City, and R. W. Braden, Newark, assignors to B. & S. Manufacturing Products Corporation, Jersey City, N. J. Attachment for locomotives. 1,539,335; May 26.
Stewart Manufacturing Corporation. (See Carlson, Eric, assignor.)
Stewart-Warner Speedometer Corporation. (See Burton, Charles S., assignor.)
Stiles, Howard E., Bolivar, Mo. Gravel loader. 1,539,218; May 26.
Stokes, William E., Rockville Center, assignor to Royal Baking Powder Company, New York, N. Y. Preparing acid phosphate. 1,538,910; May 26.
Stoll, Frank M., Denver, Colo., assignor to The Rocky Mountain Novelty Company. Refrigerator. 1,539,336; May 26.
Stolte, Frederick A., assignor to C. F. Eckler, Indianapolis, Ind. Director indicator. 1,539,699; May 26.
Stone, Andrew J., assignor, by mesne assignments, to American Ordnance Corporation, New York, N. Y. Projectile for use with depth-charge projectors. 1,539,027; May 26.
Storer, Sidney A., New York, N. Y. Display device. 1,539,028; May 26.
Stout Lumber Company. (See Roettger, Edmund F., assignor.)
Strachan, Christopher, South Orange, N. J., and D. J. Irish, St. George, assignors to Morse Dry Dock & Repair Co., New York, N. Y. Atomizer. 1,539,784; May 26.
Stramaglia, Nick, Chicago, Ill. Center punch. 1,539,700; May 26.
Street, John A. (See Carder, James L., assignor.)
Strechanpres Trouser Appliance Company Limited. (See Palmer, John F., assignor.)

Strobino, Gaston, Paterson, N. J. Phonograph machine. 1,539,524; May 26.
Strobl, Alexander, New York, N. Y. Self-luminous locator for lighting fixture or similar article. Des. 67,421; May 26.
Stromberg Electric Company. (See Crook, C. M., and Long, assignors.)
Stuart, John L., Oakland, Calif. Gear box. 1,539,785; May 26.
Studebaker Corporation, The. (See Link, Vincent, assignor.)
Studebaker Corporation, The. (See Wollering, Max F., assignor.)
Sturtevant, B. F., Company. (See Bentley, Oliver D. H., assignor.)
Suhler, Benjamin, Houston, Tex. Pressing machine. 1,539,786; May 26.
Sullivan, John F., Medford, Mass. Power shovel. 1,539,090; May 26.
Sulzer Freres Societe Anonyme. (See Zbinden, Eugen, assignor.)
Summit Thread Company. (See Hume, Edgar D., assignor.)
Sunnes, Henry M., assignor to Force Pump Company, Chicago, Ill. Pump-supporting bracket. 1,539,525; May 26.
Surface Combustion Co., The. (See Eddison, William B., assignor.)
Surridge, Percival, London, England. Tennis racket. 1,639,029; May 26.
Susio, Joe, Lewis Run, Pa. Automobile attachment. 1,539,787; May 26.
Sutherland Collapsible Paper Box Company. (See Sutherland, Stafford F., assignor.)
Sutherland, Egbert C., assignor to the Firm Naamloose Vennootschap Industrieele Maatschappij voorheen Noury & Van Der Lande, Deventer, Netherlands. Bleaching, preserving, and increasing the baking qualities of flour and of other milling products. 1,539,701; May 26.
Sutherland, Stafford F., assignor to Sutherland Collapsible Paper Box Company, Philadelphia, Pa. Collapsible folding box. Re16,085; May 26.
Sweeney, William J., East Orange, N. J. Poster. 1,539,376; May 26.
Sweet, Bertram R., and H. Dalton, assignors to Whitin Machine Works, Whitinsville, Mass. Knee brake. 1,539,442; May 26.
Sweetland, Ernest J., Montclair, N. J. Pressure-indicating valve stem for tire tubes. 1,539,030; May 26.
Swickard, Charles B., Columbus, Ohio. Double pliers. 1,539,526; May 26.
Sylvester, Pascal, Chicago, Ill. Making ornamental tile. 1,539,148; May 26.
Szuba, Stanislaw, Elizabeth, N. J. Bearing. 1,539,702; May 26.
Taglialferri, Leone, Genoa, Italy. Electric furnace. 1,539,703; May 26.
Talmage, May C., Apollo, Pa. Combination bed and chair. 1,539,443; May 26.
Tarpley, Edward M., Franklin, Ky. Fire screen. 1,539,608; May 26.
Taseff, John, Los Angeles, Calif. Hanger for suspended ceilings. 1,539,219; May 26.
Taunton Pearl Works, Inc. (See Ormsbee, Willard A., assignor.)
Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Apparatus for propelling liquids. 1,538,911; May 26.
Taylor, Burt E., Mount Vernon, assignor to The Borden Company, New York, N. Y. Valves, including conduits for liquids. 1,538,912; May 26.
Taylor, John B., administrator. (See Muller, Gottlieb.)
Taylor, Robert C., Thomasville, Ga. Key-ring holder. 1,539,220; May 26.
Taylor, Wilfred J., Thompson, Conn., assignor to S. J. De Lanoy, Trenton, N. J. Life-conserving grenade. 1,539,609; May 26.
Teason, Adam G., A. L. Riley, and O. C. Fortune, Kansas City, Mo. Low-quad matrix. 1,539,002; May 26.
Teipel, Joseph, and W. F. Exner, assignors to Mancha Storage Battery Locomotive Company, St. Louis, Mo. Multiple fuse and fuse housing. 1,538,959; May 26.
Templeton, William R., Roslindale, Mass. Steam trap. 1,539,008; May 26.
Tennant, John W., Salinas, Calif. Welder's rod holder. 1,539,221; May 26.
Texoon, Harry, New York, N. Y. Squaring device for cuts and films. 1,539,704; May 26.
Thebaud, John E., Philadelphia, Pa. Fumigating device. 1,539,284; May 26.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the people of the United States. Reversible circulation internal fan kiln. 1,539,817; May 26.
Thimmeway Titles, Inc. (See Hood, Harrison H., assignor.)
Thompson, Elmer O., Tompkinsville, N. Y., assignor to American Telephone and Telegraph Company. Alternating-current relay. 1,538,960; May 26.
Thompson, Ernest H., and H. J. Baur, assignors to Johnson Fare Box Company, Chicago, Ill. Transfer-issuing machine. 1,539,382; May 26.
Thompson, Victor C., Los Angeles, Calif. Doll. Des. 67,422; May 26.
Thomson, George C., Dunedin, New Zealand. Bottle-washing machine. 1,539,031; May 26.
Thornburg, Argyle K., Pleasantville, Iowa. Silent-gear structure. 1,539,145; May 26.
Tide Water Oil Company. (See Edwards, J. B., and Faulkner, assignors.)
Toledo Machine and Tool Company, The. (See Hinde, Henry J., agisanor.)
Torbert, Charles W., Oklahoma City, Okla. Spray. 1,538,961; May 26.
Townsend Grace Company, The. (See Watts, Thomas J., assignor.)
Torrance, James W. and J. M., Failsworth, England. Electric generator. 1,539,527; May 26.
Torrance, John M. (See Torrance, James W. and J. M.)
Tracy, Robert B., Chicago, Ill. Baseball game board. 1,539,610; May 26.
Trainor, Edward J., Brooklyn, assignor to Asbestos Spinning and Weaving Corporation, New York, N. Y. Brake lining. 1,539,444; May 26.
Tribune Company, The. (See Schultz, Theodore C., assignor.)
Tribune Company, The. (See Wisner, William H., assignor.)
Trowbridge, Emory E., Kansas City, Kans. Air-ventilated construction and building unit used in connection therewith. 1,539,611; May 26.
Turner, Charles A., assignor to Gisholt Machine Company, Madison, Wis. System of electric-current distribution. 1,539,004; May 26.
Turner, Martha L., West Roxbury, Mass. Sealing ring for jars. 1,539,222; May 26.
Tuttle, Orley C., Old Forge, N. Y. Pack-basket harness. 1,539,788; May 26.
Tytler, Alfred C., San Francisco, and J. W. Somerville, Santa Cruz, Calif. Faucet. 1,539,032; May 26.
Underfeed Stoker Company of America, The. (See Fleming, Frank E., assignor.)
Underwood Typewriter Company. (See Coo, Thomas J., assignor.)
Underwood Typewriter Company. (See Crews, Clarence M., assignor.)
Underwood Typewriter Company. (See Johnson, Arthur A., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Vickers, Harry H., assignor.)
Union Bag & Paper Corporation. (See Avery, True M., assignor.)
Union Switch & Signal Company, The. (See Neubert, W. P., and Smith, assignors.)
Union Switch & Signal Company, The. (See Nicholson, Frank H., assignor.)
Union Switch & Signal Company, The. (See Spray, Lester E., assignor.)
United Filters Corporation. (See Genter, Albert L., assignor.)
United Shoe Machinery Corporation. (See Barzoni, Lewis J., assignors.)
United Shoe Machinery Corporation. (See Duplessis, René E., asignor.)
United States Fastener Company. (See Holmes, George A., assignor.)
U. S. Manufacturing Corporation. (See Bennett, John L., assignor.)
United States Ordnance Company. (See Smith, George L., assignor.)
Universal Gypsum Company. (See Haggerty, J. F., assignor.)
Universal Optical Corporation. (See Searles, Wayne S., assignor.)
Universal Skidless Chain Co. (See Wildman, Lyman A., assignor.)
"Universelle" Cigarettenmaschinen-Fabrik, J. C. Muller & Co. (See Graupner, Louis P., assignor.)
Upson Company, The. (See Carmichael, Henry, assignor.)
Van Buuren, Theodoor, Amsterdam, Netherlands. Wheel skate. 1,539,445; May 26.
Van Dorn Electric Tool Company, The. (See Brockett, Bluford W., assignor.)
Van Nuys, Claude C., New York, N. Y., assignor to Air Reduction Company, Inc. Separating the constituents of gaseous mixtures. 1,539,528; May 26.
Vaughan, J. E. (See Cromer, Raymond E., assignor.)
Vaughan, Ross, assignor to The Ex-El Company, Pittsburgh, Pa. Coin-controlled vending machine. 1,539,612; May 26.
Vawter, Charles E., Philadelphia, Pa. Telephone receiver. 1,539,005; May 26.
Vend Ads Corp. (See Chandler, Daniel L., assignor.)
Vervoort, Lambert H., Cleveland, Ohio. Lathe center. 1,539,337; May 26.
Vickers, Harry H., Corona, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,539,285; May 26.
Vickers Limited. (See Smith, Robert L., assignor.)
Vincent, Frederick, Detroit, Mich. Steering-wheel lock. 1,539,446; May 26.
Vitapack Corporation. (See Rector, Thomas M., assignor.)
Voices Incorporated. (See Evans, Fred S., assignor.)

Von Bronk, Otto, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Receiving detector for wireless telegraphy. 1,539,150; May 26.
Von Pein, Edward J., assignor to The National Cash Register Company, Dayton, Ohio. Cash register. 1,539,447; May 26.
Wagner, Rudolf E., assignor to Aktiebolaget Karlstads Mekaniska Verkstad, Karlstad, Sweden. Covering for rollers for pressing apparatus and the like. 1,539,338; May 26.
Wahl Company, The. (See Wahl, John C., assignor.)
Wahl, John C., assignor to The Wahl Company, Chicago, Ill. Filling machine. 1,538,918; May 26.
Wahlstrom, Verner J., Brooklyn, N. Y., assignor to American Machine and Foundry Company. Tobacco cutter. 1,539,286; May 26.
Waldman, Aaron, New York, N. Y. Embroidery frame. 1,539,705; May 26.
Walker, Edward C., and F. J. Brinker, St. Louis, Mo., assignors to National Lead Company, New York, N. Y. Barrel-closing process and mechanism. 1,539,377; May 26.
Walker, Ernest A., assignor to W. and A. Goldberg, Newark, N. J. Wall lantern. Des. 67,423; May 26.
Walker, James H., jr., Griffin, Ga. Spraying apparatus. 1,539,789; May 26.
Walker, James H., jr. (See Rhodes, John A., assignor.)
Walker Manufacturing Company. (See Jensen, Gunnar, assignor.)
Wallin, Gustaf A., Brooklyn, assignor to A. Kimball Company, New York, N. Y. Marking ticket. 1,539,339; May 26.
Wallman, Hulda, Flushing, N. Y. Headdress. 1,539,706; May 26.
Warr, Albert W., et al. (See Akeyson, Swan M., assignor.)
Waterbury Tool Company, The. (See Williams, Harvey D., assignor.)
Waterstraat, Emil, Oceanpark, Calif. Palm-reading chart. 1,539,223; May 26.
Watts, Thomas J., Baltimore, Md., assignor to The Townsend Grace Company. Straw hat. 1,538,914; May 26.
Way, Edward J., assignor to Bioscope Improvements Limited, Johannesburg, Transvaal, Union of South Africa. Film delivering or winding apparatus suitable for cinematographs. 1,539,224; May 26.
Wayne Tank & Pump Company. (See Baker, Linnaeus E., assignor.)
Weinberg, Lowell C., Dayton, Ohio. Airplane-fuselage construction. 1,538,962; May 26.
Weis, John V. (See Gaffney, W. F., and Weis.)
Weis, John V., et al. (See Leeman, Charles E., assignor.)
Weiss, Charles, New York, N. Y. Plate or similar article. Des. 67,424; May 26.
Weiss, Charles, New York, N. Y. Plate or similar article. Des. 67,425; May 26.
Weiss, Charles, New York, N. Y. Plate or similar article. Des. 67,426; May 26.
West, Charles, and A. Green, London, England. Combined deck chair and rocking-chair. 1,539,225; May 26.
Westbury, Laura A. (See Westbury, William, assignor.)
Westbury, William, Canastota, N. Y., assignor to L. A. Westbury, Independance, Kans. Glass-gathering appratus. 1,539,707; May 26.
Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)
Westinghouse Air Brake Company, The. (See Cass, Christopher P., assignor.)
Westinghouse Air Brake Company. (See Farmer, Clyde C., assignor.)
Western Electric Company. (See Nichols, Harold W., assignor.)
Western Electric Company. (See Williams, Samuel B., assignor.)
Westinghouse Electric and Manufacturing Company. (See Alexander, F., assignor.)
Westinghouse Electric and Manufacturing Company. (See Foreeman, Robert A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schmidt, Henry F., assignor.)
Westinghouse Lamp Company. (See Fredenburgh, Mark N., assignor.)
Wheary-Burge Trunk Company. (See Wheary, George H., assignor.)
Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Wardrobe-trunk lock. 1,539,618; May 26.
White, Albert C., and L. H. Fromwiller, Detroit, Mich. Collapsible cot. 1,539,226; May 26.
White, Thomas M., Austin, Minn. Pocket fingerprinting kit. 1,539,448; May 26.
White, William E., Chicago, Ill. Bar spacer. 1,539,378; May 26.
Whiteford, Milton, Manito, Ill. Gate. 1,539,708; May 26.
Whiteman, Owen L., Coxsackie, N. Y. Hot-water valve. 1,539,816; May 26.
Whitaker Reed Company, The. (See Hutchins, Richard K., assignor.)
Whitin Machine Works. (See Helland, Sigurd H., assignor.)
Whitin Machine Works. (See Sweet, B. R., and Dalton, assignors.)
Whiting Corporation. (See Deenik, John M., assignor.)
Whitmore, Max C., Dayton, assignor to J. R. Kathrens, trustee, West Milton, Ohio. Filing cabinet. 1,539,614; May 26.
Whitney Metal Tool Company. (See Jensen, John, assignor.)
Whittier, John K., and R. S. Curley, Lowell, assignors to Saco-Lowell Shops, Boston, Mass. Clutch mechanism. 1,539,811; May 26.
Widman, Charles H., Detroit, Mich. Finishing automobile bodies. 1,538,915; May 26.
Wieberg, William F., Chaffee, N. Y. Expansion-joint form. 1,539,341; May 26.
Wienke, Henry E., Huntington, Ind. Name holder for sales books. 1,539,449; May 26.
Wigginton Company, The. (See Parisian, Richard J., assignor.)
Wildman, Lyman A., South Bend, Ind., assignor to Universal Skidless Chain Co., Niles, Mich. Nonskid device. 1,539,615; May 26.
Wilkinson, Cleveland J., Ventura, Calif. Brake anchor. 1,539,529; May 26.
Wilkinson, Walter, Jersey City, N. J., assignor to Air Reduction Company, Inc. Separating the constituents of gaseous mixtures. 1,539,450; May 26.
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Willis, William E. (See Nattrass, Howard, assignor.)
Williams, Evan C., Huddersfield, assignor to National Bensole Association, London, England. Adsorbent material and the manufacture and application thereof. 1,539,342; May 26.
Williams, Harvey D., Wallingford, assignor to The Waterbury Tool Company, Waterbury, Conn. Variable-speed gear. 1,539,616; May 26.
Williams, Louis N. D., Ogonts, Pa. Transferring knitted webs. 1,538,963; May 26.
Williams, Louis N. D., Ogontz, Pa. Transferring device for knitted webs. 1,539,379; May 26.
Williams, Samuel B., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,539,380; May 26.
Williams, William E., Wilmette, assignor to American Steel Foundries, Chicago, Ill. Sheet-steel disk wheel. 1,539,065; May 26.
Williamson, T. D., et al. (See Blakely, William H., assignor.)
Willis, Walter N., Easton, Md., assignor of one-half to G. J. Harding, Merion, Pa. Circuit breaker. 1,539,451; May 26.
Williston, William H., Somerville, Mass., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Check valve. 1,539,617; May 26.
Willshaw, Harry, assignor to Dunlop Tire and Rubber Corporation of America, Buffalo, N. Y. Tire and method of manufacture. 1,539,618; May 26.
Wilson, Charles H., Mount Vernon, assignor to Wilson-Maeulen Company, Inc., New York, N. Y. Compensating means for temperature-measuring instruments. 1,539,452; May 26.
Wilson-Maeulen Company. (See Wilson, Charles H., assignor.)
Wilson, Robert A., assignor to The Gulberson Corporation, Dallas, Tex. Tubular coupling. 1,539,287; May 26.
Wilson, Thurman. (See McCain, T. J., and Wilson.)
Wiltbank, Horace, Washington, D. C. Telephone-pad accessory. 1,539,453; May 26.
Winooski Electric Manufacturing Company. (See Batcheller, Hugh W., assignor.)
Winters, Edward B., Coffeyville, Kans. Stroke-multiplying parallel-motion device. 1,539,843; May 26.
Wirt, John A. (See Holland, R., and Wirt.)
Wisner, William H., assignor to The Tribune Company, Chicago, Ill. Telegraphing photographs. 1,538,916; May 26.
Wolf, Georg, Berlin, assignor to the Firm: Bing-Werke, vormals Gebrüder Bing Aktiengesellschaft, Nuremberg, Germany. Calculating machine. 1,539,151; May 26.
Wollering, Max F., Highland Park, assignor to The Studebaker Corporation, Detroit, Mich. Windshield base. 1,539,006; May 26.
Wood, Frederick T., Coventry, assignor to Courtaulds Limited, London, England. Apparatus for use in dyeing or otherwise treating with liquid fibrous materials in skeins. 1,539,709; May 26.
Wood, Marshall L., Montpelier, Vt. Internal-combustion engine. 1,539,227; May 26.
Wood, Oliver G., Philadelphia, Pa. Photograph or like mount. 1,539,619; May 26.
Woodall, Duckham & Jones (1920) Limited. (See Duckham, Arthur M., assignor.)
Woodworth, Donald C., Lewiston, Me. Antiskid-chain tool. 1,539,530; May 26.

Wossoff, William M., Merchantville, N. J. Burglar and fire alarm. 1,539,620; May 26.
Wright, Walter C., Youngstown, Ohio. Combined quick-release and check valve for air brakes. 1,539,228; May 26.
Wyatt, Lon A. (See Allen, T. W., and Wyatt.)
Wyllie, Lionel M. (See Robertson, E., and Wyllie.)
York, Doctor Alonzo, Del Rio, Tex. Safety-device door. 1,539,084; May 26.
Young, Chester E., Lawrenceville, Ill. Oil thief. 1,539,790; May 26.
Young, Clarence H., Boston, Mass. Brick pallet. 1,539,100; May 26.
Young, Francis L., New York, N. Y., assignor to The Aeolian Company. Reproducing piano. 1,539,454; May 26.
Young, William H., Bayonne, and J. Muir, Lyndhurst, N. J. Flush valve. 1,539,455; May 26.
Youngblood, James A., Dallas, Tex. Reenforcing wall foundations. 1,539,033; May 26.
Youngstown Sheet and Tube Company, The. (See James, Edward, assignor.)
Zahn, Lawrence J. (See Mitchell, J. A., and Zahn.)
Zbinden, Eugen, Bern, Switzerland, assignor to Sulzer Freres Societe Anonyme. Internal-combustion-engine locomotives. 1,539,007; May 26.
Zellner, Anna M., St. Paul, Minn. Eyeshade. 1,539,305; May 26.
Zitzerman, Jacob, Brooklyn, N. Y. Motor-winding handle for phonographs. 1,539,710; May 26.
Zobel, Otto J., New York, N. Y., assignor to American Telephone and Telegraph Company. Wave filter. 1,538,964; May 26.
Zollinger, Friedrich, Merseburg, Germany, assignor, by mesne assignments, to J. P. Meyer, New York, N. Y. Producing the openings for doors and windows in the walls of buildings from cast material. 1,539,035; May 26.
Zolotar, Joseph, Detroit, Mich. Bank and car protective device. 1,539,008; May 26.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 26TH DAY OF MAY, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive composition. H. R. Power. 1,539,694; May 26.
Acetylene, Apparatus for the production of high-pressure. L. Reits. 1,539,409; May 26.
Acid concentration. J. B. Edwards and F. E. Faulkner. 1,539,246; May 26.
Acid phosphate, Preparing. W. E. Stokes. 1,538,910; May 26.
Acids, Making benzoxazolon arsonic. L. Benda and O. Sievers. 1,539,798; May 26.
Acids, Production of 4-amino-3-hydroxybensene-1-arsonic. L. Benda and O. Sievers. 1,539,799; May 26.
Adjustable bracket. P. D. Schenck. 1,539,277; May 26.
Adjustable wrench. G. H. Nelson. 1,539,187; May 26.
Adsorbent materials and the manufacture and application thereof. E. C. Williams. 1,539,342; May 26.
Advertising and hosiery inspection device. J. E. Bartlett. 1,539,626; May 26.
Advertising novelty. J. A. Armstrong. 1,539,231; May 26.
Air-brake mechanism. C. S. Jackson. 1,539,570; May 26.
Air cleaner. M. E. Chandler and F. C. Mock. 1,539,797; May 26.
Airplane-fuselage construction. L. C. Weinberg. 1,538,962; May 26.
Airplanes, Advertising device for. H. J. Rickon. 1,539,329; May 26.
Air pump. M. B. Holstein. 1,539,486; May 26.
Air-ventilated construction and building unit used in connection therewith. E. E. Trowbridge. 1,539,611; May 26.
Alarm: *See*—
  Burglar and fire alarm. Fire alarm.
Alloy, Acid-resistant. C. B. Jacobs. 1,539,260; May 26.
Alloys, Manufacture of iron and steel. W. B. Hamilton and T. A. Evans. 1,538,893; May 26.
Alter. P. H. Bradley. Des. 67,393; May 26.
Amusement apparatus. E. F. and C. P. Chester. 1,539,648; May 26.
Amusement structure. J. A. Miller. 1,539,094; May 26.
Anchor, Brake. C. J. Wilkinson. 1,539,529; May 26.
Angle-iron bender. J. Jensen. 1,539,118; May 26.
Animal trap, Scentless. T. H. Alston. 1,539,103; May 26.
Annular muffle furnace or oven. A. M. Duckham. 1,539,653; May 26.
Antiskid-chain tool. D. C. Woodworth. 1,539,530; May 26.
Apron, Mechanic's. E. G. Glover. 1,538,982; May 26.
Ash-sifting device. F. H. Lehman. 1,539,123; May 26.
Asphalt pavements, Constructing. M. G. Nixon. 1,539,763; May 26.
Atomizer. C. Strachan. 1,539,784; May 26.
Auto direction signal. H. H. Owens. 1,539,367; May 26.
Automobile attachment. C. P. Gormly. 1,539,476; May 26.
Automobile attachment. J. Susis. 1,539,787; May 26.
Automobile bodies, Finishing. C. H. Widman. 1,538,915; May 26.
Automobile bumper. J. D. Fry. 1,539,176; May 26.
Automobile bumper. L. P. Halladay. 1,539,114; May 26.
Automobile cushioning fender. W. G. Cox. 1,539,077; May 26.
Automobiles, Guide light for. W. F. Gaffney and J. V. Weis. 1,539,389; May 26.
Automobile lock. R. Hess. 1,538,936; May 26.
Automobile lock. J. S. Merenna. 1,539,498; May 26.
Automobile oiler. L. A. Stanley. 1,539,375; May 26.
Automobile wheel, Steel. A. R. Jayne. 1,539,572; May 26.
Automobiles, Spring suspension for. S. I. Fekete and S. G. Baits. 1,539,352; May 26.
Axminster tube frames, End bracket for. C. H. Collins. 1,539,715; May 26.
Baffle. V. Link. 1,538,945; May 26.
Baffle plate. C. F. Kenworthy. 1,539,089; May 26.
Bag. A. C. Fisher. 1,539,554; May 26.
Bag-making machines, Cut-off device for. T. M. Avery. 1,539,624; May 26.
Ballast-dressing machine. S. F. Clapp. 1,538,971; May 26.
Balloons, Water-ballast for. H. C. Cray. 1,538,974; May 26.
Band-closing process and mechanism. E. C. Walker and F. J. Brinker. 1,539,877; May 26.
Banjo. W. F. Ludwig. 1,539,815; May 26.

Bank and car protective device. J. Zolotar. 1,539,008; May 26.
Bank, Pocket savings. G. H. Deaton and W. E. Nunn. 67,396; May 26.
Bar spacer. W. E. White. 1,539,378; May 26.
Basket, Weigh. F. L. Fleming. 1,539,660; May 26.
Battery: *See*—
  Electric battery.
Battery. T. M. Rector. 1,539,427; May 26.
Battery plug. W. H. Ellis. 1,539,385; May 26.
Battery support. A. T. Johnson. 1,539,119; May 26.
Bearing. S. Szuba. 1,539,702; May 26.
Bearing, Antifriction thrust. K. O. Leon. 1,539,750; May 26.
Bed and chair, Combination. M. C. Talmage. 1,539,443; May 26.
Bed, Day. E. Hein. 1,539,185; May 26.
Bed-rail fastener. E. D. Parrish. 1,539,503; May 26.
Bench: *See*—
  Workbench.
Binder, Loose-leaf. H. Auburn. 1,539,623; May 26.
Binder, Loose-leaf. E. A. Pratt. 1,539,695; May 26.
Binder, Loose-leaf. H. J. Silverman. 1,539,280; May 26.
Binders, Binder post for loose-leaf. C. Franz, jr. 1,539,388; May 26.
Bird-cage-forming machine. J. H. Bentley. 1,538,883; May 26.
Bitt. C. Kulman. 1,538,898; May 26.
Block: *See*—
  Vehicle stay block.
Blow-out patch. M. D. Glassbrooke. 1,539,663; May 26.
Board: *See*—
  Game board. Plaster board.
  Ironing board.
Boiler: *See*—
  Ham boiler. Water-tube boiler.
Boiler. J. A. Ross. 1,539,330; May 26.
Bolt: *See*—
  Construction bolt. Window-sill bolt.
Bolt-pulling device. F. C. Courson. 1,538,973; May 26.
Book, Scrap. C. H. Payne. 1,539,592; May 26.
Bookkeeping purposes, American journal for. R. Lorentz. 1,539,129; May 26.
Books, Name holder for sales. H. E. Wienke. 1,539,449; May 26.
Boot. P. Y. Smiley. 1,539,332; May 26.
Bottle carrier, Milk-. F. A. Ottow. 1,539,201; May 26.
Bottle-closure. S. M. Schenkein. 1,539,431; May 26.
Bottle-washing machine. G. C. Thomson. 1,539,031; May 26.
Box: *See*—
  Cigar box. Leak-tight folded box.
  Folding box. Mailing box.
  Gear box.
Box covering and producing the same, Stayed. M. B. Claff. 1,539,243; May 26.
Brace: *See*—
  Foot brace.
Bracket: *See*—
  Adjustable bracket. Pump-supporting bracket.
Brake: *See*—
  Fluid-pressure brake. Motor brake.
  Knee brake. Sled brake.
Brake. T. Simpson. 1,539,372; May 26.
Brake beams, Third and fourth point support for. F. T. De Long. 1,539,078; May 26.
Brake-drum lining. J. R. Bartholomew. 1,538,918; May 26.
Brake drums, Apparatus for shaping and truing. G. C. Brainard. 1,539,800; May 26.
Brake lining. E. J. Trainor. 1,539,444; May 26.
Brake mechanism. G. L. Smith. 1,539,780; May 26.
Brake mechanism, Automotive. J. R. Bartholomew. 1,538,917; May 26.
Brassière. W. Kops. 1,539,578; May 26.
Bread, Method and apparatus for use in making. H. J. Lueders. 1,539,751; May 26.
Brick pallet. C. H. Young. 1,539,100; May 26.
Buckle. W. E. Hatheway. 1,538,894; May 26.
Buckle. J. M. Jackson. 1,538,941; May 26.
Buckle, Belt. A. H. Rietzel. 1,539,508; May 26.
Building column. J. Lally. 1,539,580–1; May 26.
Buildings, Constructing. E. F. Roberts. 1,539,023; May 26.

Buildings from cast material, Producing the openings for doors and windows in the walls of. F. Zollinger. 1,539,035; May 26.
Buildings, Structural element for. C. H. Richards. 1,539,328; May 26.
Burglar and fire alarm. W. M. Womoff. 1,539,620; May 26.
Burner: *See*—
  Gas burner. Oil burner.
Burners, Safety device for oil. M. A. Fesler. 1,539,249; May 26.
Bush trimmer. K. Dombeck. 1,539,650; May 26.
Button. J. Fischl. 1,539,174; May 26.
Cage guard, Bird-. H. O. Lindemann. 1,539,583; May 26.
Calculating machine. G. Wolf. 1,539,151; May 26.
Calendering, embossing, and cutting machine. J. A. McCrohan and H. C. Erich. 1,539,052; May 26.
Caliper. F. W. Horstmann. 1,539,356; May 26.
Camera attachment. A. E. Hughes and R. K. and E. T. Newton. 1,539,489; May 26.
Can-draining machine. G. D. Gardner. 1,539,475; May 26.
Can opener. G. A. Pattberg. 1,539,095; May 26.
Can opener. E. C. Scruggs. 1,539,211; May 26.
Candlestick. M. Klein. Des. 67,405; May 26.
Car-body-tipping device. O. Ballert. 1,539,625; May 26.
Car couplers, Uncoupling attachments for. C. M. Hannaford. 1,539,354; May 26.
Car heater. E. P. Cole. 1,539,160; May 26.
Carrier: *See*—
  Bottle carrier.
Car spring suspension, Motor-. S. I. Prescott. 1,539,272; May 26.
Car-wheel mounting. P. A. Meehan. 1,539,364; May 26.
Carbide-feeding means. E. H. Smith. 1,539,606; May 26.
Carbureting device. H. Nattrass. 1,539,589; May 26.
Carburetor. W. Hartl. 1,539,732; May 26.
Carburetors of petrol engines, Apparatus for heating the air admitted to the. M. E. Mellgren. 1,539,134; May 26.
Carton, Egg. G. S. Gaylord. 1,538,892; May 26.
Case: *See*—
  Display case. Transmission case.
Casement sash. E. A. Peterson. 1,539,142; May 26.
Cash register. E. J. Von Pein. 1,539,447; May 26.
Cash registers and calculating machines, Key-releasing device for. E. Breitling. 1,539,461; May 26.
Casket-handle socket. E. Drinkuth. Des. 67,399; May 26.
Casting machine, Centrifugal. B. Noble. 1,539,691; May 26.
Casting machine, Die-. E. Carlson. 1,539,110; May 26.
Ceilings, Hanger for suspended. J. Taseff. 1,539,219; May 26.
Centrifugal apparatus. J. M. Schutz. 1,539,435; May 26.
Centrifugal fixture. C. G. Hawley. 1,539,479–82; May 26.
Centrifugal process and apparatus. C. G. Hawley. 1,539,478; May 26.
Chain hook. E. Ibach. 1,539,117; May 26.
Chair: *See*—
  Folding chair.
Chair and rocking chair, Combined deck. C. West and A. Green. 1,539,225; May 26.
Check protector. E. D. Smith. 1,539,061; May 26.
China ware or the like during the process of manufacture, Device for supporting. T. Allsop. 1,539,808; May 26.
Chuck. R. E. Spurr. 1,539,282; May 26.
Cigar box. R. M. Markland. 1,539,757; May 26.
Cigar lighter and the like. C. H. Cuno. 1,539,545; May 26.
Cigar-wrapper-delivering means. R. E. Rundell. 1,539,274; May 26.
Cigarette holder. K. I. Davis. Des. 67,395; May 26.
Cigarettes and similar articles, Mechanism for packaging. E. G. Kerlin and W. A. Brandt. 1,539,745; 1,539,745; May 26.
Cigarettes from cigarette-making machines, Delivering and sorting. L. P. Graupner. 1,539,258; May 26.
Cinematograph and other films, Method and apparatus for coating. E. Robertson and L. M. Wyllie. 1,539,697; May 26.
Cinematograph apparatus, Optical device for compensating the movement of the film in. S. Kucharski. 1,539,579; May 26.
Cinematographs, Film delivering or winding apparatus suitable for. E. J. Way. 1,539,224; May 26.
Circuit breaker. W. N. Willis. 1,539,451; May 26.
Circuit breaker for motors started by means of a starting resistance, Overload-. W. Sartig. 1,539,429; May 26.
Circuit closer and sprinkler, Combined thermostatic. W. T. Bridges. 1,539,293; May 26.
Circuit closer, Thermostatic. J. M. Biggs. 1,539,635; May 26.
Circuit-controlling device. E. G. Acker. 1,539,621; May 26.
Circuit-controlling device. O. I. Price. 1,538,950; May 26.
Circuit interrupter. T. T. Greenwood. 1,538,980; May 26.
Circuit system, Nongrounded or metallic line-. R. H. Burfeind. Re16,066; May 26.
Clamping body, Segmental. J. Scott and A. A. Bennett. 1,539,371; May 26.
Clarinet music lyre. L. J. Dennis. 1,539,042; May 26.
Clasp: *See*—
  Lingerie clasp.
Cleaner: *See*—
  Air cleaner. Well cleaner.
  Grain cleaner.
Cleaner attachment. J. Jones. 1,539,088; May 26.
Closet: *See*—
  Sanitary closet.
Closures to receptacles, Apparatus for applying. A. Johnson. 1,538,940; May 26.
Clothes drier. J. C. Michaud. 1,539,685; May 26.
Clothespin. R. E. Busby. 1,538,970; May 26.
Clothes post. J. W. S. Loughlin. 1,538,900; May 26.
Clothes wringer. L. Judelson. 1,538,993; May 26.
Clothes wringers, Safety device for. L. L. Gunderman. 1,539,414; May 26.
Clutch. W. S. Davenport. 1,539,720; May 26.
Clutch. F. S. Denneen and C. N. Mitchell. 1,538,976; May 26.
Clutch control. M. J. Kirst. 1,539,796; May 26.
Clutch mechanism. J. K. Whittier and E. S. Curley. 1,539,811; May 26.
Clutch mechanism, Safety. C. A. Sawyer, jr. 1,539,430; May 26.
Clutch-pedal holder. W. W. Reinelt. 1,539,770; May 26.
Coal shovel, Power. O. Luschnig. 1,539,130; May 26.
Coal slimes or the like, Refining. J. W. Kleinbentink. 1,539,746; May 26.
Coil mounting, Induction-. R. C. Rose. 1,539,210; May 26.
Coil-winding machine. T. E. Moldon. 1,539,499; May 26.
Coin-controlled press. A. Columbro. 1,539,161; May 26.
Collar finisher. J. E. Fidler. 1,539,250; May 26.
Collating device. A. A. Johnson. 1,539,393; May 26.
Colter, Nonclog. F. D. Adamy. 1,539,066; May 26.
Combustion control. G. H. Gibson. 1,539,257; May 26.
Compressor, Lubricant. E. F. Pierce. 1,539,594; May 26.
Compressors, Mechanical unloading device for. C. M. Holley and E. P. Oswald. 1,538,987; May 26.
Compressors, Unloader for. A. F. Parks. 1,539,269; May 26.
Communion table. W. P. Maddock. 1,539,363; May 26.
Concrete blocks, Pneumatic molding machine for. H. L. Emery. 1,539,550; May 26.
Concrete column forms, Clamp for. H. O. McMillan. 1,539,053; May 26.
Concrete-form holder. R. W. Morrison. 1,539,017; May 26.
Concrete roads, Machine for constructing reenforced-. J. F. Robb. 1,539,145; May 26.
Connection plug. F. E. Petri. 1,539,504; May 26.
Construction bolt. E. R. Linehan. 1,539,496; May 26.
Conveying apparatus. H. B. Buckham. 1,538,925; May 26.
Cooker and cooler. S. L. Berry. 1,539,458; May 26.
Cooker, Automatic continuous pressure. J. L. and J. A. Anderson and W. R. Eddington. 1,539,798; May 26.
Cooling apparatus. E. G. Jancsy. 1,539,675; May 26.
Core and making conduits. T. E. Murray. 1,538,902; May 26.
Cot, Collapsible. A. C. White and L. H. Fromwiller. 1,539,226; May 26.
Coupling: *See*—
  Hose coupling. Tubular coupling.
Crane and gin pole, Erecting. F. Brandt. 1,539,109; May 26.
Crane, Pillar. J. M. Deenik. 1,539,546; May 26.
Crank holder. A. W. Hookom. 1,539,190; May 26.
Crankless engine. T. J. McCain. 1,539,752; May 26.
Crib mounting. J. M. Murray. Des. 67,415; May 26.
Crimping machine. H. A. Palmer. 1,539,326; May 26.
Crossing signal, Grade-. W. G. Burns. 1,539,541; May 26.
Cultivator. J. L. Bates. 1,539,027; May 26.
Current relay, Alternating-. E. O. Thompson. 1,538,960; May 26.
Curtain stretcher. A. and E. Linton. 1,539,049; May 26.
Cuspidor, Sanitary. J. T. H. Cloutier. 1,539,467; May 26.
Cutlery implement. E. Hauser. 1,539,669; May 26.
Cuts and films, Squaring device for. H. Texoon. 1,539,704; May 26.
Cutter: *See*—
  Dowel-pin cutter. Pipe cutter.
  Glass-tube cutter. Tobacco cutter.
Cutting tool. G. A. De Vlieg. 1,538,929; May 26.
Deck-sash support. T. A. Legge. 1,539,122; May 26.
Decoy duck. L. E. Shaw. 1,539,436; May 26.
Deflector, Light. C. V. McCarley. 1,539,131; May 26.
Dental instrument. F. J. Bronner. 1,539,687; May 26.
Dental instruments, Sanitary shield for. C. W. Fuller. 1,539,258; May 26.
Dental mixing slab. T. Romaine. 1,539,428; May 26.
Denture. J. Petry. 1,539,143; May 26.
Desk. E. J. Card. 1,539,645; May 26.

Desk, Lap. F. S. Cornwell. Des. 67,394; May 26.
Dice. P. Mitchell. 1,539,015; May 26.
Die: *See*—
Hem-edge die.
Direction indicator. F. A. Stoltz. 1,539,699; May 26.
Disk wheel, Sheet-steel. W. E. Williams. 1,539,065; May 26.
Disks from sheets, Apparatus for cutting. A. Johnson. 1,538,942; May 26.
Disks, Mill for rolling tapered. O. C. Schoenwerk. 1,539,432; May 26.
Display and vending apparatus. E. Brunhoff. 1,539,641; May 26.
Display apparatus. C. D. Deardurff. 1,539,251; May 26.
Display apparatus. L. R. McDonald. 1,539,681–3; May 26.
Display cabinet. H. Morris. Des. 67,413; May 26.
Display case. E. A. Bundy and W. B. Galvin. 1,539,296; May 26.
Display device. R. M. Langley and P. G. Graf. 1,538,899; May 26.
Display device. W. A. Ormsbee. 1,539,405; May 26.
Display device. S. A. Storer. 1,539,028; May 26.
Display panel. F. W. and C. C. Benton. 1,539,633; May 26.
Doll. V. C. Thompson. Des. 67,422; May 26.
Doll's head. A. and M. A. Frisch. 1,538,891; May 26.
Door and gate fastener. W. J. Fairbank. 1,539,173; May 26.
Door, Garage. H. N. Matzen. 1,539,014; May 26.
Door opener and closer, Garage-. H. W. Brandt. 1,539,155; May 26.
Door-operating mechanism. W. B. Eddison. 1,539,170; May 26.
Double-pole switch. A. H. Bates. 1,538,882; May 26.
Dowel-pin cutter, Wooden-. M. Gullholm. 1,538,987; May 26.
Drier: *See*—
Clothes drier.
Drier. G. R. Anderson. 1,539,230; May 26.
Drier. L. R. Christie. 1,539,649; May 26.
Drier and deodorizer. C. F. Selph. 1,539,778–9; May 26.
Drill and tap, Combined. J. J. Bayer. 1,539,628; May 26.
Drilling head, Automatic safety. S. L. Gould. 1,539,664; May 26.
Drills and similar tools, Manufacture of. R. L. Smith. 1,539,374; May 26.
Driving mechanism, Speedometer-. T. D. Adair, jr. 1,539,531; May 26.
Drying rack. V. P. Kennard. 1,539,576; May 26.
Dump, Continuous rotary. E. Ramsay. 1,539,205; May 26.
Dyeing or otherwise treating with liquid fibrous materials in skeins, Apparatus for use in. F. T. Wood. 1,539,709; May 26.
Dyes containing a diphenylurea nucleus, Disazo. L. W. Geller. 1,538,934; May 26.
Dyes of the pyrozolone series and making same, Azo. M. Boeniger. 1,539,347; May 26.
Dyestuffs and making same, Azo. H. Fritzsche. 1,539,353; May 26.
Easel. H. M. Howell. 1,539,488; May 26.
Educational appliance. A. Korzybski. 1,539,194; May 26.
Egg-beating machine. W. R. Hanson. 1,539,731; May 26.
Egg-shipping cases and the like, Filler for. W. S. Palmer. 1,539,140; May 26.
Electric alternating-current machine. H. Frei. 1,539,662; May 26.
Electric battery. A. Hirsch and R. F. Bacon. 1,538,895; May 26.
Electric brake set, Automatic. P. W. Mosher. 1,539,500; May 26.
Electric cables, Manufacture of. P. V. Hunter. 1,539,490; May 26.
Electric-circuit-controlling device. O. I. Price. 1,538,949; May 26.
Electric communicating system. C. Kraft. 1,539,421; May 26.
Electric-current distribution, System of. C. A. Turner. 1,539,004; May 26.
Electric furnace. H. R. Barkmeyer. 1,538,880; May 26.
Electric furnace. L. Tagliaferri. 1,539,708; May 26.
Electric generator. J. W. and J. M. Torrance. 1,539,527; May 26.
Electric heater. O. Conradty. 1,538,972; May 26.
Electric heater. J. Hauber. 1,539,734; May 26.
Electric heater. H. Herrmann. 1,539,562; May 26.
Electric-light installation for alternating current. G. Holst. 1,539,672; May 26.
Electric-light shade. M. W. Belmuth. Des. 67,391; May 26.
Electric motor. J. T. Janette. 1,539,571; May 26.
Electric switch. R. B. Benjamin. 1,539,152; May 26.
Electrical connection and making same. C. A. Deuscher. 1,539,723; May 26.
Electrical oscillations, Producing. H. W. Nichols. 1,539,402; May 26.
Electrical steam generation. T. H. Noll. 1,539,692; May 26.
Electrical switch. C. C. Schrell. 1,539,278–9; May 26.
Electrode, Welding. R. T. Gillette. 1,539,810; May 26.
Elevator cars, Emergency means of egress from. O. A. Norman. 1,539,268; May 26.
Embroidering device. M. S. Bassisty. 1,539,381; May 26.
Embroidery frame. A. Waldman. 1,539,705; May 26.
Emergency connection. J. P. Steeple. 1,539,001; May 26.
Emergency lock. R. S. Clark. 1,539,350; May 26.
Emulsions, Separating petroleum. D. E. Chase. 1,539,647; May 26.
Engine: *See*—
Crankless engine. Oscillating engine.
Internal-combustion engine.
Engine cylinders, Decarbonizing. W. H. Osterhout. 1,538,904; May 26.
Engine-starting apparatus. R. Chilton. 1,539,075; May 26.
Engine-starting mechanism. W. Adrian. 1,539,532; May 26.
Engines and the like, Vacuum fuel-feeding device for internal-combustion. C. S. Burton. Re16,060; May 26.
Engines, Cut-off valve for steam. B. F. O'Bryant. 1,539,200; May 26.
Engines, Humidifier for internal-combustion. V. F. Franck. 1,539,661; May 26.
Engines, Ignition timer for internal-combustion. J. Sachs. 1,539,514; May 26.
Engines, Lubricating system for internal-combustion. F. S. Spring. 1,539,607; May 26.
Engines, Maneuvering mechanism for internal-combustion. J. A. Seymour. 1,539,060; May 26.
Engines, Starting valve for internal-combustion. O. E. Jorgensen. 1,538,897; May 26.
Engines, Water-circulating attachment for internal-combustion. G. Muller. 1,539,687; May 26.
Engraving machine. A. C. Hermann. 1,539,483; May 26.
Ensilage distributor. F. Hamschek. 1,539,559; May 26.
Evaporator, Fruit. M. P. Smith. 1,538,967; May 26.
Eyelets, rivets, and the like, Machine for setting. E. S. Spinney. 1,539,216; May 26.
Eyeshade. A. M. Zellner. 1,539,805; May 26.
Excavating apparatus. W. J. Newman. 1,538,947; May 26.
Excavator, Guide or fair-lead for the drag rope of a drag-line. H. O. Bedgood. 1,538,922; May 26.
Exercising apparatus. J. Hubert. 1,539,569; May 26.
Exercising device. W. G. Shockey. 1,539,214; May 26.
Explosions in mines, Apparatus for localizing and quenching. A. Krantz. 1,539,091; May 26.
Fabrics, Means for cutting. R. Loeb. 1,539,128; May 26.
Fan, Mechanical hand. S. Dick. 1,539,548; May 26.
Fastening for use with attaché and suit cases, hand bags, and the like. J. Hinkel. 1,539,563; May 26.
Faucet. J. Eden. 1,539,725; May 26.
Faucet. A. C. Tytler and J. W. Somerville. 1,539,032; May 26.
Feeding device. S. Snyder. 1,539,333; May 26.
Ferries, drawbridges, and the like, Barrier for. W. J. Donovan. 1,539,651–2; May 26.
Fibrous board, Method and apparatus for producing. H. Carmichael. 1,539,842; May 26.
Field regulators. P. I. Chandeysson. 1,539,465; May 26.
Filing cabinet. M. C. Whitmore. 1,539,614; May 26.
Filing tray. H. C. Gowran. 1,538,984; May 26.
Filling machine. J. C. Wahl. 1,538,913; May 26.
Filter, Air. J. F. Heyn. 1,539,116; May 26.
Filter, Continuous vacuum. A. L. Genter. 1,538,980; May 26.
Filter, Wave. O. J. Zobel. 1,538,964; May 26.
Fingerprinting kit, Pocket. T. M. White. 1,539,448; May 26.
Finger ring. S. Grossman. Des. 67,400; May 26.
Finger ring. M. E. Soman. Des. 67,418–20; May 26.
Finishing machine. A. Holmquist and W. A. Bjorklund. 1,539,392; May 26.
Fire alarm, Automatic. J. T. Beasley. 1,539,538; May 26.
Fire extinguisher. G. W. Burke, jr. 1,538,968; May 26.
Fire screen. E. M. Tarpley. 1,539,608; May 26.
Fish cutting and cleaning machine. A. L. Christiansen. 1,539,300; May 26.
Fish line, Artificial. H. S. Masonor. 1,539,365; May 26.
Fishing lure. J. P. Shannon. 1,538,909; May 26.
Fishing reel. P. Catucci. 1,539,646; May 26.
Flashlight and recharging device for the battery thereof. N. M. Hopkins. 1,538,992; May 26.
Flatiron, Electric. A. H. Simmons. 1,539,605; May 26.
Floor covering, Metallic. S. C. Cary. 1,539,074; May 26.
Flour and of other milling products, Bleaching, preserving, and increasing the baking qualities of. E. C. Sutherland. 1,539,701; May 26.
Flue expander. C. Bush. 1,539,643; May 26.
Fluid-pressure brake. C. F. Cass. 1,538,926; May 26.
Folding box, Collapsible. S. F. Sutherland. Re16,065; May 26.
Folding chair. W. C. Rastetter. 1,539,597; May 26.
Football, Device for playing table. A. P. Findlay. 1,539,251; May 26.
Foot brace, Invalid's. A. M. Fyler. 1,539,082; May 26.
Footgear. S. G. Muesabini. 1,539,762; May 26.
Foot supports, Cover for. P. S. Cobel. 1,539,150; May 26.

Frame: *See*—
Embroidery frame.
Fruit, Treating. I. S. Goldman. 1,539,300; May 26.
Fuel, Apparatus for vaporizing. V. Link. 1,539,126; May 26.
Fuel burner and method of burning fuel, Instantaneous. C. A. French and L. E. Goit. 1,539,111; May 26.
Fumigating device. J. E. Theband. 1,539,284; May 26.
Furnace: *See*—
Electric furnace.
Furnace. F. E. Fleming. 1,539,080; May 26.
Furnaces, Protecting the linings of. G. W. Southoff. 1,539,275; May 26.
Furniture. N. G. McNeill. 1,539,756; May 26.
Fuse and fuse housing, Multiple. J. Teipel and W. F. Exner. 1,538,950; May 26.
Fuse for use with liquid-oxygen explosives. C. Mott, L. E. Bedortha, and E. J. Kilgore. 1,539,018; May 26.
Fuse grip, Safety. R. E. L. Curtis. 1,539,302; May 26.
Fuse, Multiple. H. Nothdurft. 1,539,404; May 26.
Game. S. Diamant. 1,539,547; May 26.
Game. W. C. Farnum. 1,538,889; May 26.
Game. F. Rammelmeyer. 1,539,426; May 26.
Game. P. H. Roth. 1,539,773; May 26.
Game. R. C. Scheurer. 1,539,776; May 26.
Game, Advertising. E. A. Boardman. 1,538,967; May 26.
Game apparatus. T. Green. 1,539,665; May 26.
Game, Ballot-box. G. H. Johnson. 1,539,357; May 26.
Game board. L. A. Marsh. 1,539,198; May 26.
Game board, Baseball. R. B. Tracy. 1,539,610; May 26.
Game, Chance-controlled racing. E. N. Joha. 1,539,418; May 26.
Game-reproducing mechanism. P. P. O'Brien. 1,539,366; May 26.
Garage, Automobile parking. M. D. Murray. 1,539,761; May 26.
Gas burner. H. E. Kerr. 1,539,420; May 26.
Gas burner. L. B. Mettler. 1,539,093; May 26.
Gas-cleaning apparatus. O. V. Greene. 1,538,985; May 26.
Gas engine and power device, Combined. W. F. Meister. 1,539,759; May 26.
Gas heater. J. H. Grayson. 1,538,477; May 26.
Gas heater, Radiant. W. H. Cain. 1,539,240; May 26.
Gas-main stopper. P. Goodman. 1,539,730; May 26.
Gases, Apparatus for transportation and utilization of liquefied. J. D. MacMahon. 1,539,991; May 26.
Gaseous mixtures, Method of separating the constituents of. C. C. Van Nuys. 1,539,528; May 26.
Gasoline, Apparatus for clarification of. E. Holland and J. A. Wirt. 1,539,671; May 26.
Gasoline strainer. E. Papastefanou. 1,539,620; May 26.
Gate. M. Whiteford. 1,539,706; May 26.
Gateway. E. E. Gardhouse. 1,539,177; May 26.
Gauge: *See*—
Pressure gauge. Saw-set gauge.
Gear box. J. L. Stuart. 1,539,785; May 26.
Gear, Draft. H. C. Priebe. 1,539,368; May 26.
Gear, Drawbar draft. G. S. De Burger and J. E. Bayless. 1,539,165; May 26.
Gear structure, Silent-. A. K. Thornburg. 1,539,149; May 26.
Gear, Variable-speed. H. D. Williams. 1,539,616; May 26.
Generator: *See*—
Electric generator.
Generator. L. M. Perkins. 1,539,406; May 26.
Glass, Apparatus for making reenforced. W. C. Bull. 1,539,239; May 26.
Glass-blowing machine, Air-control means for. E. C. Schrader. 1,539,146; May 26.
Glass-flow device, Electrically-heated. J. Ran. 1,539,598; May 26.
Glass-gathering apparatus. W. Westbury. 1,539,707; May 26.
Glass-tube cutter. A. Ogint. 1,538,903; May 26.
Glassware, Conveyer for. A. Samuelson. 1,539,515; May 26.
Governor. O. D. H. Bentley. 1,539,291; May 26.
Grab. N. I. D. Burke. 1,538,969; May 26.
Grading apparatus. W. P. Bullard. 1,539,349; May 26.
Grain cleaner. J. Keller. 1,539,743; May 26.
Grain door. C. A. Johnson. 1,539,493; May 26.
Gravel loader. H. E. Stiles. 1,539,218; May 26.
Grease-distributing apparatus. R. Callahan and S. Rouleau. 1,539,071; May 26.
Grenade, Life-conserving. W. J. Taylor. 1,539,609; May 26.
Grinding. H. F. Joseph. 1,539,742; May 26.
Guardhouse. W. Ring. 1,539,509; May 26.
Gun, Spray. H. G. Bartling. 1,539,536; May 26.
Hair-waving iron. E. W. Homer. 1,539,813; May 26.
Ham boiler. R. Lippert. 1,539,680; May 26.
Hammer-headed tool. G. G. Mitchell. 1,539,265; May 26.
Hammers, Nail-driving attachment for air. T. B. Ellwood. 1,539,478; May 26.
Handle. J. L. Bennett. Des. 67,392; May 26.
Harness, Pack-basket. O. C. Tuttle. 1,539,788; May 26.
Harrow structure. D. Spahn. 1,539,441; May 26.
Harrows, Center cutter for disk. W. E. Peterson. 1,539,097; May 26.
Harrows, Riding attachment for. M. D. Cady. 1,539,644; May 26.
Harvesters, Cutting mechanism for corn. C. B. Bird. 1,539,346; May 26.
Hat. H. L. Moses. 1,539,398; May 26.
Hat, Straw. T. J. Watts. 1,538,914; May 26.
Headdress. H. Wallman. 1,539,706; May 26.
Header drive mechanism. G. H. Harris. 1,539,011; May 26.
Headlamps of road vehicles to obviate glare, Control means for. C. F. Browne. 1,539,238; May 26.
Headlight. E. S. King. 1,539,090; May 26.
Headlight. F. J. Long and W. H. Emery. 1,539,197; May 26.
Headlight. T. J. McCain. 1,539,753; May 26.
Heater: *See*—
Car heater. Gas heater.
Electric heater. Water heater.
Heat-exchange apparatus. K. Muhleisen. 1,539,267; May 26.
Heating device, Electrical. A. Longoria. 1,539,497; May 26.
Heating system and means. E. L. Ovington. 1,539,591; May 26.
Heel and sole lift, Shoe. R. C. G. Staats-Oels. 1,539,283; May 26.
Heel, Resilient. E. I. La Chapelle. 1,539,320; May 26.
Heel, Rubber. L. De Lucia. 1,539,809; May 26.
Hem-edge die. H. O. Martin. 1,539,758; May 26.
Hoist, Mast. R. M. Adam. 1,539,344; May 26.
Hoisting drum. J. H. Herman. 1,539,391; May 26.
Hook: *See*—
Chain hook. Snap hook.
Hook. J. N. Eriandsen. 1,539,551; May 26.
Hook and eye tape. D. Silberman. 1,539,438; May 26.
Hose coupling. W. E. Phillips. 1,539,827; May 26.
Hub cap, Illuminated. C. E. Leeman. 1,539,894; May 26.
Hulling wheat, Machine for. B. P. Kent. 1,539,358; May 26.
Hydraulic press. J. J. Berrigan. 1,538,884; May 26.
Ice-cream box and making the same. E. W. Labombarde. 1,539,676; May 26.
Ice-cream cone. J. Denaro. Des. 67,398; May 26.
Ice cream, Packaging. E. W. Labombarde. 1,539,678; May 26.
Ignition circuit, Auxiliary. C. M. Lindsay. 1,539,261; May 26.
Ignition device for gas ranges, etc. H. W. O'Dowd. 1,539,324; May 26.
Index device, Card-. J. H. Rand, jr. 1,539,206; May 26.
Index system, Card-. E. W. Davis. 1,539,411; May 26.
Indicator: *See*—
Direction indicator. Potential indicator.
Liquid-level indicator.
Induction, relay, Definite-pick-up. C. I. Hall. 1,539,813; May 26.
Induction relay, Nonsaturating. C. I. Hall. 1,539,812; May 26.
Injector. S. L. Kneass. 1,539,819; May 26.
Ink for glass. M. N. Fredenburgh. 1,538,890; May 26.
Inking machine, Edge-. E. S. Dotter. 1,539,472; May 26.
Insect destroyer. C. Knutson. 1,539,360; May 26.
Insole, Pneumatic. M. J. Merrihew. 1,539,199; May 26.
Instrument. H. McAleish. 1,539,262; May 26.
Internal-combustion engine. J. F. Crawford. 1,539,041; May 26.
Internal-combustion engine. T. A. Hutsell. 1,539,315; May 26.
Internal-combustion and compressed-air engine, Combined. R. W. Robinson. 1,539,024; May 26.
Internal-combustion engine. M. L. Wood. 1,539,227; May 26.
Iron: *See*—
Hair-waving iron. Waffle iron.
Iron alloy. W. J. Beck and J. A. Aupperle. 1,539,456; May 26.
Ironing board. A. C. Fleck. 1,539,175; May 26.
Jack: *See*—
Lifting jack.
Jack. A. E. Burnside. 1,539,642; May 26.
Joint for springs. H. S. Powell. 1,539,586; May 26.
Joint form, Expansion-. W. F. Wieberg. 1,539,341; May 26.
Joist spacer and stringer hanger. H. O. Davidson. 1,539,801; May 26.
Key-ring holder. R. C. Taylor. 1,539,220; May 26.
Kiln, Reversible circulation internal fan. R. Thelen. 1,539,817; May 26.
Kinetic-energy absorber. F. Gfeller. 1,539,256, May 26.
Knee brake. B. R. Sweet. 1,539,442; May 26.
Knife, Draw. A. Panostik. 1,539,766; May 26.
Knitted webs, Transferring. L. N. D. Williams. 1,538,968; May 26.
Knitted webs, Transferring device for. L. N. D. Williams. 1,539,279; May 26.
Knitting machines, Stitch-forming mechanism for circular-. H. E. Houseman. 1,539,568; May 26.
Lamp. D. J. Ritchie. 1,539,696; May 26.
Lamp fixture, Electric-. S. J. Aaron. Des. 67,390; May 26.
Lamp stand, Adjustable. F. W. Robinson and K. V. Knapp. 1,539,804; May 26.
Lamp-supporting structure, Electric-. M. Hershovits. 1,539,484; May 26.

Lantern, Signal. J. A. Amos. 1,539,105; May 26.
Lantern, Wall. E. A. Walker. Des. 67,423; May 26.
Latch, Box-car-door. T. W. Allen and L. A. Wyatt. 1,538,965; May 26.
Lathe center. L. H. Vervoort. 1,539,337; May 26.
Lathe centering tool. H. Fish. 1,539,413; May 26.
Lathe, Valve. U. Steiner. 1,538,968; May 26.
Lawn sprinkler. L. E. Holland. 1,539,189; May 26.
Lawn sprinkler. H. M. Siemann. 1,539,331; May 26.
Lead compounds, Producing. G. H. F. Calingaert. 1,539,297; May 26.
Leaf spring, Internally-lubricated. R. B. Fear. 1,539,553; May 26.
Leak-tight folded box. E. W. Labombarde. 1,539,677; May 26.
Leather. F. E. Myers. Des. 67,416; May 26.
Leg construction, Supporting-. J. E. Glockler. 1,539,112; May 26.
Lens examining instruments, Attachment for. H. W. Hill. 1,538,991; May 26.
Letter file. E. Berneburg. 1,539,457; May 26.
Levers, Pedal attachment for accelerating. L. S. Hackney. 1,539,182; May 26.
Lifting jack. G. Jensen. 1,538,896; May 26.
Lighting fixture or similar article, Self-luminous locator for. A. Strobl. Des. 67,421; May 26.
Lighting-fixture support. J. De Leo. Des. 67,397; May 26.
Lightning-rod connecter. I. M. Moore. 1,538,946; May 26.
Lingerie clasp. A. T. Gossom. 1,539,045; May 26.
Link, Fusible. W. K. Hodgman. 1,539,311; May 26.
Linoleum, Attaching. L. C. Greiner. 1,539,181; May 26.
Liquid-level indicator. W. M. Phelps. 1,539,407; May 26.
Liquid meter. E. Moness. 1,539,424; May 26.
Liquids, Apparatus for propelling. B. E. Taylor. 1,538,911; May 26.
Loader, Dirt. P. A. Price. 1,539,144; May 26.
Lock: *See*—
Automobile lock. Sash lock.
Emergency lock. Steering-wheel lock.
Refrigerator lock. Trunk lock.
Lock. J. F. Bendecheck. 1,539,292; May 26.
Lock. T. C. Cooper. 1,539,301; May 26.
Lock nut. W. T. Ross. 1,539,513; May 26.
Lock washer. L. J. Botschellier. 1,539,348; May 26.
Lock washer. J. E. Fox. 1,538,979; May 26.
Locomotive attachment. C. Stern and R. W. Braden. 1,539,335; May 26.
Locomotive booster-motor construction. F. R. Peters. 1,539,270; May 26.
Locomotive draft appliance. D. M. Lewis. 1,539,124–5; May 26.
Locomotive hoist. P. D. Ionides. 1,539,491; May 26.
Locomotive, Internal-combustion-engine. E. Zbinden. 1,539,007; May 26.
Locomotive tender, Welded. J. W. Murphy. 1,539,688; May 26.
Locomotives, Driving means for auxiliary machines on condensing steam. H. Boltshauser. 1,539,154; May 26.
Loom. J. Giardino. 1,539,178; May 26.
Looms, Adjustable shuttle binder for. H. V. Carver. 1,539,298; May 26.
Looms, Fell-finding means for. M. Pepling. 1,539,425; May 26.
Looms, Pick counter for. A. H. Morton. 1,539,686; May 26.
Looms, Protector-rod holder for. W. L. Stephens. 1,539,026; May 26.
Looms, Tension mechanism for. A. Edmundson. 1,539,043; May 26.
Lubricator. W. E. Snyder. 1,539,522; May 26.
Lumber, Apparatus for checking or tallying up. E. F. Roettger. 1,539,698; May 26.
Magnet-controlling device. C. C. Farmer. 1,538,931; May 26.
Magnetic separator. E. H. Brune. 1,539,640; May 26.
Mail-marking machine. J. A. Mitchell and L. J. Zahn. 1,538,999; May 26.
Mailing box. O. T. Spraggins. 1,539,523; May 26.
Manufactured products, Apparatus for drying or otherwise treating. T. Allsop and W. W. Sibson. 1,539,806; May 26.
Manufactures, Apparatus for drying or otherwise treating. T. Allsop and W. W. Sibson. 1,539,807; May 26.
Manure loader. E. L. Amundson. 1,539,622; May 26.
Massage appliance, Electrotherapeutic. C. W. Cheney. 1,539,299; May 26.
Massage device, Fluid-operated vacuum. E. R. Hangliter. 1,539,794; May 26.
Match-box holder. R. G. Fleming. 1,538,978; May 26.
Matrix, Low-quad. A. G. Teason, A. L. Riley, and O. C. Fortune. 1,539,002; May 26.
Measuring machine, Surface-. K. Kehrbeck and B. P. Bohacek. 1,539,575; May 26.
Mechanical movement. W. B. Bronander. 1,539,294; May 26.
Merchandising campaigns, Ticket for use in. W. T. Raymond. 1,538,963; May 26.
Metal goods, Process for electroplating. F. Kirschner. 1,539,377; May 26.
Metal tubing, Manufacturing flexible. E. James. 1,539,674; May 26.
Mill: *See*—
Screening ball mill.
Milling machine. F. R. Deuring. 1,539,471; May 26.
Mirror frame. S. J. Molner. Des. 67,412; May 26.
Mixing device. M. Horrell. 1,539,087; May 26.
Moistening device. A. D. Harmon. 1,539,560; May 26.
Mold: *See*—
Type-casting mold.
Mold. J. F. Bitrich. 1,539,636; May 26.
Molding articles, Apparatus for. T. C. Roberts. 1,539,510; May 26.
Molding machine. E. O. Beardsley and W. F. Piper. 1,539,283–4; May 26.
Monument. E. G. Ladewich. Des. 67,406–9; May 26.
Mop head. H. P. Homers. 1,539,565; May 26.
Mother-of-pearl, Manufacture of imitation. E. F. Higgins. 1,539,084; May 26.
Motion device, Stroke-multiplying parallel-. E. B. Winters. 1,539,343; May 26.
Motor: *See*—
Electric motor. Spring motor.
Sewing-machine motor.
Motor. A. H. Skaer. 1,539,215; May 26.
Motor brake. A. Dewandre. 1,539,166; May 26.
Motor-control system. C. A. Dresser. 1,539,168; May 26.
Motor cycle side car. J. A. O'Connor. 1,539,139; May 26.
Motor cycles, bicycles, etc., Support for. E. O. Henderson. 1,539,115; May 26.
Motor-driven blowers, Regulation of. F. H. C. Coppus. 1,539,717; May 26.
Motor fuel. J. F. P. de la Riboisiere. 1,539,722; May 26.
Motor hand tool. B. W. Brockett. 1,539,068; May 26.
Motor hand tools, Handle for. B. W. Brockett. 1,539,069; May 26.
Motor silencer. G. W. Poillon, jr. 1,539,709; May 26.
Motor-suspension support. J. C. Haggart, jr. 1,538,988; May 26.
Motors, Fluid-control means for. F. Pokorny. 1,539,271; May 26.
Mounting structure. C. H. Kamm. 1,538,994; May 26.
Muffler for explosive engines. H. S. Powell. 1,539,595; May 26.
Music notation. B. A. Faunt. 1,539,308; May 26.
Name-plate-holding means. H. Hornick. 1,539,487; May 26.
Nonskid device. L. A. Wildman. 1,539,615; May 26.
Nozzle and pressure gauge, Combined. C. F. Carter. 1,539,073; May 26.
Nozzle, Automatic. E. G. Fritz. 1,539,061; May 26.
Nut forming and drilling machine. O. A. Smith. 1,539,440; May 26.
Nuts upon bolts, Locking. G. Shaw. 1,539,218; May 26.
Oil burner. H. W. Hathorn. 1,539,355; May 26.
Oil thief. C. E. Young. 1,539,790; May 26.
Ophthalmic mounting. W. S. Searles. 1,539,147; May 26.
Ores containing galena, Treating. N. C. Christensen. 1,539,711; May 26.
Ores of lead, silver, and copper, Treating sulphide. N. C. Christensen. 1,539,712; May 26.
Ores of lead, silver, and copper, Treating sulphide. N. C. Christensen. 1,539,714; May 26.
Ores, Treating lead-zinc sulphide. N. C. Christensen. 1,539,713; May 26.
Ores, Treatment of. H. W. Kaanta. 1,539,120; May 26.
Ores, Treatment of argentiferous sulphide. F. E. Elmore. 1,539,726; May 26.
Ornamental tile, Making. P. Sylvester. 1,539,148; May 26.
Oscillating engine. H. T. Farnsworth. 1,539,107; May 26.
Oscillation-deadening device. L. A. Girard. 1,539,557; May 26.
Ozone-generating unit and regulating the air gap therein. W. Keiser. 1,539,419; May 26.
Package or container, Tobacco. J. Peterson. Re16,034; May 26.
Pad: *See*—
Recoil pad. Truss pad.
Palm-reading chart. E. Waterstraat. 1,539,223; May 26.
Panel or curtain construction. P. H. Schell. 1,539,604; May 26.
Paper-feed device. M. Feybusch and P. W. Fleischer. 1,538,977; May 26.
Paper lengthwise and rewinding it, Machine for cutting. G. Laroche. 1,539,748; May 26.
Peach seeder. J. P. Burgess. 1,539,156; May 26.
Pencil. W. B. Cook and M. Mickelsen. 1,539,468; May 26.
Pencil holder. C. J. Curtis. 1,539,164; May 26.
Phonograph. E. G. Staude. 1,539,084; May 26.
Phonograph machine. G. Strobino. 1,539,524; May 26.
Phonograph stop. J. Brandstetter. 1,539,460; May 26.
Phonographs, Motor-winding handle for. J. Zitserman. 1,539,710; May 26.
Photograph or like mount. O. G. Wood. 1,539,619; May 26.

Photographs, Telegraphing. W. H. Wisner. 1,538,916; May 26.
Photographic enlargements, Apparatus for making. L. B. Morton. 1,539,322; May 26.
Photographic plates, Holder for. L. C. Brucker. 1,539,639; May 26.
Photographic shutter. W. A. Riddell. 1,539,410; May 26.
Photography, Color. L. D. Mannes and L. Godowsky, jr. 1,538,996; May 26.
Piano, Reproducing. F. L. Young. 1,539,454; May 26.
Picker-stick parallel motion. J. Northrop. 1,539,590; May 26.
Picture apparatus, Steadying device for motion-. D. McCullough. 1,539,754; May 26.
Picture machine, Motion-. O. J. Arnett. 1,539,030; May 26.
Pipe: *See*—
Tobacco pipe.
Pipe connection. W. H. Darnell. 1,539,719; May 26.
Pipe cutter. H. S. Cameron and J. S. Abercrombie. 1,539,288; May 26.
Pipes and filtering vessels, Composition for subirrigation. F. H. Brown. 1,539,295; May 26.
Pipes, Cut-out for cistern water. P. Rauch. 1,539,870; May 26.
Piston ring. H. A. McChesney. 1,539,050; May 26.
Plaster board. J. F. Haggerty. 1,539,183; May 26.
Plate or similar article. C. Weiss. Des. 67,424–6; May 26.
Plastic substances, Machine for compressing or molding. A. W. Siser. 1,539,840; May 26.
Pliers, Double. C. B. Swickard. 1,539,526; May 26.
Plows, Nonchoking attachment for. F. C. Orr. 1,539,698; May 26.
Plug, Pipe. J. A. Byers and F. B. Blanding. 1,539,088; May 26.
Pocket tool. E. Bocchino. 1,539,040; May 26.
Pole switch. O. Jacobson. 1,539,316; May 26.
Polishing machine, Shoe. W. L. Lightsey. 1,539,013; May 26.
Pool tables, Pocket for. G. A. Jaeger. 1,539,192; May 26.
Post: *See*—
Clothes post.
Poster. W. J. Sweeney. 1,539,876; May 26.
Pot-washing device. M. L. Crum. 1,539,718; May 26.
Potato-lister riding attachment. A. B. Berggren and C. M. Kerr. 1,539,087; May 26.
Potato-planting machine. C. Farmer. 1,539,552; May 26.
Potential indicator. R. J. Parisian. 1,538,906; May 26.
Power shovel. J. F. Sullivan. 1,539,099; May 26.
Press: *See*—
Coin-controlled press. Hydraulic press.
Press. J. J. Berrigan. 1,538,885–6; May 26.
Press. A. J. Hinde. 1,539,085; May 26.
Pressing apparatus and the like, Covering for rollers for. R. E. Wagner. 1,539,838; May 26.
Pressing machine. B. Suhler. 1,539,786; May 26.
Pressure gage. H. E. Adams. 1,539,101; May 26.
Printing device. M. J. Hoffman. 1,539,564; May 26.
Printing machine, Intaglio-. M. Owen. 1,539,202; May 26.
Printing presses and the like, Sheet control for. J. P. E. Neilson. 1,539,501; May 26.
Projectile for use with depth-charge projectors. A. J. Stone. 1,539,027; May 26.
Projection device. B. W. King. 1,538,943; May 26.
Proof boxes, Built-in duct for bakeries'. W. L. Fleisher. 1,539,555; May 26.
Propeller. S. A. Reed. 1,539,278; May 26.
Protective apparatus. A. S. Fitz Gerald. 1,539,658; May 26.
Protective garment, Athletic. H. Goldsmith. 1,539,558; May 26.
Protractor level. R. A. Cecchini. 1,539,543; May 26.
Pulley. C. H. Hertzler. 1,539,791; May 26.
Pulp-wood peeler. J. Sapronez. 1,539,608; May 26.
Pulverising machine. J. Neuburger. 1,539,401; May 26.
Pump. J. B. Garber. 1,539,556; May 26.
Pump, Differential. C. E. Anderson. 1,539,289; May 26.
Pump gearing, Measuring-. L. E. Baker. 1,539,106; May 26.
Pump, Rotary. W. B. Ensign. 1,539,728; May 26.
Pump, Rotating. E. Mocigemba. 1,539,507; May 26.
Pump-supporting bracket. H. M. Sunnes. 1,539,525; May 26.
Pumping unit, Submerged. A. Kremser. 1,539,195; May 26.
Pumps, Automatic control for windmill. F. H. Gehrke. 1,539,254; May 26.
Punch, Center. N. Stramaglia. 1,539,700; May 26.
Puzzle. W. A. Hutton. 1,539,788; May 26.
Pyrotechnical device. M. M. Adler. 1,538,879; May 26.
Rack: *See*—
Drying rack.
Radiant heater. L. S. Lawson. Des. 67,410; May 26.
Radiator. G. H. Lober. 1,539,362; May 26.
Radiator. P. R. Seemiller. 1,539,212; May 26.
Radio apparatus, Cabinet for. M. Morris. Des. 67,414; May 26.
Radiocabinet. J. C. McLean. 1,539,051; May 26.
Radiodial. G. W. Heath. Des. 67,402; May 26.
Radiodetector and making same. F. H. Hendey and R. B. Everson. 1,539,416; May 26.
Rail anchor. M. W. Feeney. 1,539,386; May 26.
Rail anchor. A. E. Shirley. 1,539,437; May 26.
Railway crossing. W. M. Bago. 1,539,345; May 26.
Railway-crossing light. A. Kahlow. Des. 67,403; May 26.
Railway-traffic-controlling apparatus. F. H. Nicholson. Re16,083; May 26.
Railway-traffic-controlling apparatus. L. E. Spray. 1,539,384; May 26.
Razor-blade stropper. W. S. Nichols. 1,539,408; May 26.
Rebound controller. J. R. Snyder. 1,539,062–8; May 26.
Receiving and amplifying systems, Electromagnetic wave. F. J. Chambers. 1,539,464; May 26.
Recoil pad. F. D. Hawkins. 1,538,990; May 26.
Reel: *See*—
Fishing reel.
Reel. S. Misuno. 1,539,016; May 16.
Refrigerating apparatus. A. H. Hutchinson. 1,539,047; May 26.
Refrigerator. F. M. Stoll. 1,539,336; May 26.
Refrigerator lock. A. Rubin. 1,539,058; May 26.
Refractory structure. L. Parish. 1,538,905; May 26.
Register: *See*—
Cash register.
Registering table. T. C. Schultz. 1,538,908; May 26.
Regulator: *See*—
Field regulator.
Reproducing position. E. M. Hewlett and W. W. Willard. 1,539,187; May 26.
Resistance, Variable. C. E. Mountford. 1,539,266; May 26.
Respirators for swimmers. R. J. Haskell. 1,539,733; May 26.
Ridging machine. J. Ranker. 1,539,207; May 26.
Ring: *See*—
Piston ring.
Rings and the like. G. H. Phelps. 1,539,593; May 26.
Rock and coal dust determining cabinet. A. C. Fieldner. 1,539,657; May 26.
Rock cutter and dredge, Combined subaqueous. F. Lobnitz. 1,539,584; May 26.
Rock drills, Feeding mechanism for. H. V. Haight. 1,538,935; May 26.
Rod: *See*—
Stopper rod. Tow rod.
Rod holder, Welder's. J. W. Tennant. 1,539,221; May 26.
Rodent trap. W. Gillingham. 1,538,981; May 26.
Roof sump. E. W. N. Boosey. 1,538,924; May 26.
Roofing material, Metallizer. T. Robinson. 1,539,512; May 26.
Rotor. J. M. Barr. 1,539,282; May 26.
Roving, spinning, and like machine. S. H. Helland. 1,539,310; May 26.
Safe corner construction. C. J. Bates, jr. 1,539,537; May 26.
Safety device door. D. A. York. 1,539,034; May 26.
Safety device for centrifugal-machine baskets. A. R. Robertson and A. F. Dunsmore. 1,539,772; May 26.
Safety-razor-blade holder. A. C. Peterson. 1,539,141; May 26.
Sanitary closet. D. George. 1,539,255; May 26.
Sanitary device, Heated. A. P. Ritter. 1,538,907; May 26.
Sash fastener. O. S. Johnson. 1,539,739; May 26.
Sash lock, Window-. J. E. Carbis. 1,539,072; May 26.
Sash locking and ventilating device, Window-. H. Krug and J. Dodd. 1,539,092; May 26.
Saw blades, Detachable handle for. R. L. and B. F. Deskins. 1,539,470; May 26.
Saw-set gauge. R. K. Cromer. 1,538,975; May 26.
Saw, Stone. J. A. Hall. 1,539,259; May 26.
Saw-swaging machine. E. C. Filstrup. 1,539,079; May 26.
Saws, Tree-felling attachment for portable. J. F. Gorman. 1,538,988; May 26.
Scale. E. B. Locke. 1,539,585; May 26.
Scale. C. E. Riedel. 1,539,601; May 26.
Screen: *See*—
Fire screen.
Screening ball mill. W. O. Borcherdt. 1,539,237; May 26.
Screw driver. S. Hearonemus. 1,539,736; May 26.
Screw driver, Power-driven. C. H. Stansell. 1,539,782; May 26.
Sealer, Jar-lid. W. H. Hartman. 1,539,012; May 26.
Sealing ring for jars. M. L. Turner. 1,539,222; May 26.
Seat: *See*—
Window-cleaner's seat.
Seed planter and distributor. R. F. Hester. 1,539,737; May 26.
Separating the constituents of gaseous mixtures. W. Wilkinson. 1,539,450; May 26.
Separator: *See*—
Magnetic separator.
Serum, Apparatus for treating. E. R. Alexander. 1,539,102; May 26.
Sewing-machine motor, Portable electric. T. C. Weiss. 1,539,340; May 26.
Sewing-machine shuttle. E. D. Hume. 1,538,989; May 26.

Sewing machines, Guide for straw-braid-. R. Becker. 1,538,921; May 26.
Sewing machines, Lighting attachment for. D. H. Chason. 1,538,927; May 26.
Sewing machines, Looper-driving mechanism for. C. W. Mueller. 1,539,399; May 26.
Sewing machines, Thread-waxing device for. J. Schreiber. 1,539,518; May 26.
Sewing machines, Work-spacing mechanism for buttonhole. L. J. Bassoni. 1,539,629; May 26.
Shade, Window. R. Sato. 1,539,774; May 26.
Shale and similar bituminous fuels, Distilling. H. Rosenthal. 1,538,954; May 26.
Sheaf binders. Stalk-end leveler for. E. D. Muller. 1,539,135; May 26.
Sheet material, Method and apparatus for assembling pieces of adhesive. F. J. MacDonald. 1,539,586; May 26.
Sheet-separating means. C. Henderson. 1,539,068; May 26.
Shield, Chafing. S. A. Fitzpatrick. 1,539,659; May 26.
Shingle. W. T. Conley. 1,539,716; May 26.
Shingle, Metal. G. A. Belding. 1,539,682; May 26.
Ship propelling device. E. Kittelsen. 1,539,814; May 26.
Shock absorber. J. T. Ferguson. 1,539,656; May 26.
Shock absorber. L. B. Scheil. 1,538,955; May 26.
Shock absorber, Direct-suspension. L. B. Halladay. 1,539,113; May 26.
Shoe. G. L. Pierce. 1,539,767–8; May 26.
Shoe and making the same. A. Madson. Re16,082; May 26.
Shoe form. A. G. Legge. 1,539,361; May 26.
Shoe stretcher. C. A. Elmstrom. 1,539,727; May 26.
Shoe form, Mechanical. F. E. Comstock. 1,539,162; May 26.
Shoe-tempering machine. D. B. Heath. 1,539,802; May 26.
Shoes, Making. A. H. Prensel. 1,539,507; May 26.
Shovel: *See*—
Coal shovel. Power shovel.
Shovel. W. C. Page. 1,539,765; May 26.
Sign. D. E. Schafer and J. W. Schab. 1,539,025; May 26.
Signal: *See*—
Auto direction signal. Traffic signal.
Crossing signal.
Signal. G. Besson. 1,539,634; May 26.
Silver-reenforced silver-plated flatware for table use. T. B. and T. H. Lashar. 1,538,944; May 26.
Skate, Wheel. T. van Buuren. 1,539,445; May 26.
Sled brake. H. G. Meyer. 1,539,760; May 26.
Slow-acting device. W. P. Neubert and W. E. Smith. 1,539,323; May 26.
Snap hook. H. G. Hancock. 1,538,989; May 26.
Snow melter and plow. F. A. Connolly. Re16,081; May 26.
Snubber. I. E. Litten. 1,539,196; May 26.
Soaps, Manufacturing glycerin and alkali. L. Schmidt. 1,539,777; May 26.
Socket and rheostat for radio use, Combined. W. Rosenbloom and C. T. Blume. 1,539,602; May 26.
Sound-reproducer horn. H. S. Kirk. Des. 67,404; May 26.
Sound-reproducing device. Z. Eckelbarger. 1,539,412; May 26.
Sound transmitter, Submarine. H. Hecht, W. Hahnemann, and W. Rudolph. 1,539,792; May 26.
Sounds, Translating. R. E. Hall. 1,539,390; May 26.
Spark intensifier. G. Bakke. 1,539,535; May 26.
Spark plug. A. C. Castillo. 1,539,463; May 26.
Spark-plug attachment. E. J. Markle and C. L. Falstrem. 1,539,133; May 26.
Sparkless commutation. U. Cantutti. 1,539,241; May 26.
Spindle. R. W. Donley. 1,539,169; May 26.
Spotlight shift. C. F. Sheaffer. 1,539,520; May 26.
Spray. C. W. Torbert. 1,538,961; May 26.
Spraying apparatus. J. A. Rhodes. 1,539,771; May 26.
Spraying apparatus. J. H. Walker, jr. 1,539,789; May 26.
Spring: *See*—
Leaf spring.
Spring. R. H. Brown. 1,539,070; May 26.
Spring-clamping device. R. M. Lovejoy. 1,539,321; May 26.
Spring motor. T. C. Roberts. 1,539,511; May 26.
Sprinkler: *See*—
Lawn sprinkler.
Sprinkler system. T. Halagarda. 1,539,667; May 26.
Stamp-affixing machines, Counter for. S. J. Kuziel. 1,539,048; May 26.
Stand: *See*—
Lamp stand.
Stapling machine. F. Polzer. 1,539,505–6; May 26.
Starting and stopping mechanism. R. E. Duplessis. 1,538,930; May 26.
Stationary induction apparatus. A. B. Hendricks, jr. 1,539,670; May 26.
Steam trap. W. R. Templeton. 1,539,003; May 26.
Steering-wheel lock. A. R. Lambert. 1,539,495; May 26.
Steering-wheel lock. F. Vincent. 1,539,446; May 26.
Steering wheel, Tilting. P. S. Bauer. 1,538,919–20; May 26.
Stenciling apparatus. W. Pringle. 1,538,951; May 26.
Stereotype plate-finishing machine, Curved-. C. E. Hopkins. 1,539,566; May 26.
Stereotype plates, Machine for finishing tubular. C. E. Hopkins. 1,539,567; May 26.
Stethoscope holder. E. M. Hartlett. 1,539,046; May 26.
Stoker, Underfeed. M. Ratel. 1,539,208; May 26.
Stoker, Underfeed. M. Ratel. 1,539,389; May 26.
Stokers, Tuyère structure for. E. A. Foresman. 1,539,282; May 26.
Stopper: *See*—
Gas-main stopper.
Stopper rod. S. S. Ball. 1,539,107; May 26.
Stove. A. J. Reedy. 1,539,509; May 26.
Stove, Cook. M. Dusiencsuk. 1,539,654; May 26.
Street sign, Car. E. J. Larson. 1,539,679; May 26.
Stretching apparatus. J. S. Hansen. 1,539,184; May 26.
Stroboscopic device. C. A. Nickle. 1,539,690; May 26.
Sugar mill or cane crusher. R. T. E. Okraasa. 1,539,502; May 26.
Swab. S. M. Akeyson. 1,539,229; May 26.
Switch: *See*—
Double-pole switch. Pole switch.
Electric switch. Time switch.
Electrical switch.
Switch. J. A. Amos. 1,539,104; May 26.
Switch. L. A. M. Phelan. Re16,067; May 26.
Switch-actuating device. W. S. Kisinger and J. A. Emaley. 1,539,359; May 26.
Switch construction. G. E. Hulse. 1,538,936; May 26.
Swivel socket. E. M. Ray. 1,539,056; May 26.
Table: *See*—
Communion table. Registering table.
Tag holder. S. O. Kelly. 1,539,744; May 26.
Tanning. O. Schmidt. 1,539,517; May 26.
Teaching English, Device for. C. H. Matravers. 1,539,397; May 26.
Teat-engaging tip. M. V. C. Howes. 1,539,314; May 26.
Telegraphy, Transmitter for multiplex alternating-current. A. Clausing. 1,539,158; May 26.
Telephone-exchange system. S. B. Williams. 1,539,880; May 26.
Telephone-pad accessory. H. Wiltbank. 1,539,458; May 26.
Telephone receiver. V. Durbin. 1,539,306; May 26.
Telephone receiver. C. E. Vawter. 1,539,005; May 26.
Telephone system, Automatic. T. G. Martin. 1,539,132; May 26.
Temperature-measuring instruments, Compensating means for. C. H. Wilson. 1,539,452; May 26.
Tennis racket. J. P. Nikonow. 1,539,619; May 26.
Tennis racket. P. Surridge. 1,539,029; May 26.
Tension, Apparatus for controlling. C. E. Carpenter. 1,538,887; May 26.
Terminal connecter. H. W. Batcheller. 1,539,290; May 26.
Thimble. M. J. Schubert. 1,539,434; May 26.
Thread clamping and shearing means. H. D. Colman; 1,539,076; May 26.
Ticket machine. T. Carroll. 1,539,462; May 26.
Ticket, Marking. G. A. Wallin. 1,539,339; May 26.
Tile, Machine for making hollow. G. C. Debay. 1,539,303; May 26.
Time-adjustment construction. C. M. Crook and A. E. Long. 1,539,544; May 26.
Time switch. J. S. Prowense. 1,539,204; May 26.
Timing device. F. S. Marcellus and J. J. Powers, 1,539,684; May 26.
Tire and method of manufacture. H. Willshaw. 1,539,618; May 26.
Tire carrier for automobiles. C. C. Steel and T. H. Lynn. 1,539,783; May 26.
Tire-display holder, Folding. E. A. Shank. 1,539,519; May 26.
Tire, Emergency. R. W. Dorn. 1,539,304; May 26.
Tire fillers, Air gauge and automatic signal for pneumatic-. J. E. Maples. 1,538,997; May 26.
Tire protector. A. A. Bentfrow and J. T. Brown, jr. 1,539,600; May 26.
Tire, Resilient. A. Hargraves. Des. 67,401; May 26.
Tire tread, Nonskid-. C. G. Miller. Des. 67,427; May 26.
Tire tubes, Pressure-indicating valve stem for. E. J. Sweetland. 1,539,030; May 26.
Tires, Blow-out patch for pneumatic. A. Omand. 1,539,325; May 26.
Titling machine. H. H. Hood. 1,539,673; May 26.
Tobacco cutter. V. J. Wahlstrom. 1,539,286; May 26.
Tobacco pipe. W. E. A. Reitinger. 1,539,021–2; May 26.
Tool, Combination. J. E. Lundquist. 1,539,422; May 26.
Tool holder. A. R. Ridderstrom. 1,539,057; May 26.
Tool-holding means. O. A. Smith. 1,539,489; May 26.
Tow rod. A. Falk. 1,539,474; May 26.
Toy flying machine. H. V. Dempster. 1,539,469; May 26.
Toy goose. A. W. Scott, jr. Des. 67,417; May 26.
Toy mechanism, Talking-. F. Evans. 1,539,247–8; May 26.
Traction device. J. A. Landry. 1,539,582; May 26.
Traction lug. F. M. Fichten. 1,539,387; May 26.
Traction-rope device, Long-distance. K. Stahl. 1,539,217; May 26.
Tractor lug, Three-way. C. W. Robinson. 1,539,06; May 26.

Tractors, Implement attachment for. B. R. Benjamin and A. Kowalsky. 1,539,108; May 26.
Traffic signal. A. W. Ram. 1,538,952; May 26.
Train-control device. C. C. Farmer. 1,538,982; May 26.
Transfer-issuing machine. E. H. Thompson and H. J. Baur. 1,539,382; May 26.
Transformer. H. Nyquist. 1,538,948; May 26.
Transmission case. L. C. McElwee. 1,539,755; May 26.
Trap: *See*—
Animal trap. Steam trap.
Rodent trap.
Trap. G. H. Hagermann. 1,539,666; May 26.
Trap nest. A. N. Peters. 1,539,000; May 26.
Tray, Baby. D. W. Lynch. Des. 67,411; May 26.
Tray, Tea-service. E. L. Hamilton. 1,539,668; May 26.
Trimmer: *See*—
Bush trimmer.
Trouser stretcher. J. F. Palmer. 1,539,203; May 26.
Truck for excavators of the drag-line type. H. O. Bedgood. 1,539,631; May 26.
Trunk lock, Wardrobe-. G. H. Wheary. 1,539,613; May 26.
Truck, Motorized fuel. E. W. Heller. 1,539,186; May 26.
Truss pad. I. M. Pease. 1,539,055; May 26.
Tubular coupling. R. A. Wilson. 1,539,287; May 26.
Turbine-blade fastening. A. T. Kasley. 1,539,574; May 26.
Turbine blading. H. T. Herr. 1,539,561; May 26.
Turbine, Elastic-fluid. F. Lösel. 1,539,896; May 26.
Turbine, Marine. H. F. Schmidt. 1,539,516; May 26.
Turbines, Blading of fluid-pressure. F. Lösel. 1,539,895; May 26.
Turnbutton fastener. G. A. Holmes. 1,539,812; May 26.
Turning machine. C. E. Marsh. 1,539,364; May 26.
Type-casting mold. G. C. Divry. 1,539,724; May 26.
Typesetter's scale. L. Lakatos. 1,538,995; May 26.
Typewriters, Key-lever tension for. H. Ellis. 1,539,172; May 26.
Typewriters, Type-basket shift for. H. Ellis. 1,539,171; May 26.
Typewriting machine. E. E. Barney. 1,539,009; May 26.
Typewriting machine. T. J. Coo. 1,539,384; May 26.
Typewriting machine. C. M. Crews. 1,539,244; May 26.
Typewriting machine. F. A. Hart. 1,539,415; May 26.
Typewriting machine. J. A. D. Smith. 1,539,281; May 26.
Typewriting machine. J. A. D. Smith. 1,539,378; May 26.
Typewriting machine. J. A. D. Smith. 1,539,521; May 26.
Typewriting machine. H. H. Vickers. 1,539,285; May 26.
Valve. C. L. Aragon. 1,538,966; May 26.
Valve. H. Diel and J. B. Fisher. 1,539,167; May 26.
Valve. J. J. Dunne. 1,539,305; May 26.
Valve. A. H. B. Gore. 1,539,180; May 26.
Valve, Brake-pipe vent. C. C. Farmer. 1,538,983; May 26.
Valve, Check. W. H. Williston. 1,539,617; May 26.
Valve, Flush. W. H. Young and J. Muir. 1,539,455; May 26.
Valve for air brakes, Combined quick-release and check. W. C. Wright. 1,539,228; May 26.
Valve for deep-well pumps, Standing. V. P. Kill. 1,539,318; May 26.
Valve for oxyacetylene welding, Pressure-balancing. J. B. Beaird. 1,539,630; May 26.
Valve for water systems. C. M. Lane. 1,539,747; May 26.
Valve, Hot-water. O. L. Whiteman. 1,539,816; May 26.
Valve-operating mechanism. W. E. Concannon. 1,539,163; May 26.
Valve, Self-closing check. C. Meidau. 1,539,054; May 26.
Valve structure. C. E. L. Lipman. 1,539,127; May 26.
Valves, Including conduits for liquids. B. E. Taylor. 1,538,912; May 26.
Vaporizing apparatus. C. E. Hodlick. 1,539,485; May 26.
Vase insert, Flower-. A. J. Bennett. 1,539,153; May 26.
Vat coloring matters, Manufacture of. P. Nawiasky and K. Saurwein. 1,539,689; May 26.
Vault-light lens frame and holder. E. J. Alderes. 1,539,533; May 26.
Vegetable material, Desiccating. B. Müller. 1,539,588; May 26.
Vegetable slicer. E. H. Lederer. 1,539,749; May 26.
Vehicle body construction. V. W. Pagé. 1,539,764; May 26.
Vehicle bumper and extractor, Combined. N. M. Nicholson. 1,539,138; May 26.
Vehicle construction, Cushion connection for. A. F. Masury and A. H. Leipert. 1,539,263; May 26.
Vehicle, Dumping. H. T. Boynton. 1,539,067; May 26.
Vehicle stay block. C. L. Michod. 1,538,998; May 26.
Vehicle top. E. A. Rathbun. 1,539,209; May 26.
Vehicle ventilator. I. D. Ansell. 1,539,534; May 26.
Vehicle wheel. C. L. Johnston. 1,539,741; May 26.
Vehicles, Automatic transmission for motor. H. R. Hoffman. 1,539,188; May 26.
Vehicles, Driving gear for. J. Buchli. 1,539,010; May 26.
Vehicles, Fender for. R. S. Blair. 1,539,540; May 26.
Vehicles, Four-wheel drive for power. F. Huber. 1,539,417; May 26.
Vehicles, Power attachment for motor. B. D. Barton. 1,538,881; May 26.
Vehicles, Signaling light for motor. P. Malcamp. 1,539,423; May 26.
Vehicles, Spring connection for motor. C. I. Goodwin. 1,539,179; May 26.
Vehicles, Winch for motor. R. S. Boiger. 1,538,923; May 26.
Vending machine, Coin-controlled. R. Vaughan. 1,539,612; May 26.
Vending machine, Coin-operated. D. L. Chandler. 1,539,406; May 26.
Ventilator: *See*—
Vehicle ventilator. Water-closet ventilator.
Waffle iron, Electric. G. E. Savage. 1,539,276; May 26.
Wagon boxes, Front and rear end gate for. R. X. Jefferis. 1,539,492; May 26.
Wall foundations, Reenforcing. J. A. Youngblood. 1,539,033; May 26.
Wall-molding apparatus. W. T. Fels. 1,539,655; May 26.
Washer: *See*—
Lock washer.
Washer and drier. W. O. Kidwell. 1,539,121; May 26.
Watch, Memorandum wrist. A. E. Smythe. 1,539,781; May 26.
Water-closet ventilator. J. C. Jeffries. 1,539,573; May 26.
Water heater. J. E. Blanding. 1,539,039; May 26.
Water, Purifying and sterilizing. J. N. A. Sauer. 1,539,775; May 26.
Water-tube boiler. A. Cotton. 1,538,928; May 26.
Waterer, Stock. W. Johnson. 1,539,740; May 26.
Waterproof coating and process. H. G. Jaeger. 1,539,193; May 26.
Water-tight receptacle and plug therefor. R. B. Benjamin. 1,539,539; May 26.
Weather strip and casement-window adjuster, Combination. F. B. Colton. 1,538,888; May 26.
Welding apparatus, Alternating-current. R. E. Frickey. 1,539,044; May 26.
Welding machine. E. A. Bienenstok. 1,539,883; May 26.
Welding machine. W. L. Brookins. 1,539,638; May 26.
Well-casing protector. L. H. Perry. 1,539,096; May 26.
Well casings, Packing head for. M. S. Black. 1,539,235; May 26.
Well cleaner, Oil-. J. L. Carder. 1,539,242; May 26.
Wells, Casing head for oil. M. S. Black. 1,539,236; May 26.
Wells, Pumping unit for oil. W. H. Blakely. 1,539,459; May 26.
Wheel: *See*—
Disk wheel. Steering wheel.
Steel automobile wheel. Vehicle wheel.
Wheel rim. F. P. Johnson. 1,539,817; May 26.
Wheel tread, Demountable. R. J. Davis. 1,539,721; May 26.
Whipper. I. P. Duncan and T. M. Gore. 1,539,245; May 26.
Windmill. C. Cherepes. 1,539,157; May 26.
Windmill coupler. J. W. McDaniel. 1,539,803; May 26.
Window-cleaner's seat. A. Gold. 1,539,729; May 26.
Windows, Controller for casement. E. H. Ellison. 1,539,549; May 26.
Window-sill bolt. F. E. Hume. 1,539,191; May 26.
Windshield wiper. C. E. Hayes. 1,539,735; May 26.
Windshield base. M. F. Wollering. 1,539,006; May 26.
Wire-polishing machine. R. K. Hutchins. 1,539,795; May 26.
Wireless telegraphy, Receiving detector for. O. von Bronk. 1,539,150; May 26.
Woods, Utilizing resinous. A. W. Schorger. 1,539,433; May 26.
Workbench. J. B. Sawyers. 1,539,059; May 26.
Wrapping and sealing machine. C. W. Neusbaum. 1,539,400; May 26.
Wrench: *See*—
Adjustable wrench.
Wrench. I. P. Kimball. 1,539,494; May 26.
Wrench. L. B. Neel. 1,539,136; May 26.
Wringer: *See*—
Clothes wringer.
Writing instrument, Combined. G. Hofmann and R. G. Schroeder. 1,539,086; May 26.
Yarn, Process or method and apparatus for spinning or twisting and winding. D. S. Seaman. 1,538,956; May 26.
Yarn-tensioning device. A. M. Pigeon. 1,539,408; May 26.

CLASSIFICATION OF PATENTS

MAY 26, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 2.3: 1,529,806
1,529,809
40: 1,529,473
2— 3: 1,529,558
12: 1,529,205
42: 1,529,578
64: 1,528,962
182: 1,529,398
196: 1,528,984
205: 1,529,436
4— 111: 1,529,255
214: 1,529,573
269: 1,529,467
5— 21: 1,529,185
118: 1,529,223
200: 1,529,505
227: 1,529,020
7— 1: 1,529,040
9— 19: 1,529,709
9— 17: 1,529,735
10— 142: 1,529,028
11— 1: 1,529,803
31: 1,529,472
62: 1,529,869
128.5: 1,529,163
1,529,194
1,529,261
1,529,727
142: 1,529,807
13— 36: 1,529,716
78: 1,528,971
97: 1,529,013
139: 1,529,555
237: 1,528,907
239: 1,529,074
265: 1,529,159
16— 141: 1,529,123
17— 3: 1,528,209
18— 5.6: 1,528,510
19: 1,529,052
12: 1,529,615
17: 1,529,229
31: 1,529,064
69: 1,529,143
19— 134: 1,529,310
20— 1.01: 1,529,008
16: 1,529,014
31: 1,529,498
43: 1,529,142
69: 1,528,988
72: 1,529,191
94: 1,529,601
22— 35: 1,529,223
36: 1,529,294
65: 1,529,091
69: 1,529,110
85: 1,529,107
23— 173: 1,529,248
182: 1,529,342
203: 1,529,457
302: 1,529,294
24— 3: 1,529,220
26: 1,529,941
66: 1,529,017
85: 1,529,045
90: 1,529,174
191: 1,529,994
1,529,995
231: 1,529,313
233: 1,529,989
241: 1,529,551
253: 1,529,970
25— 90: 1,529,203
124: 1,529,636
126: 1,529,902
131: 1,529,035
1,529,655
144: 1,529,663
157: 1,529,039
26— 21: 1,529,508
1,529,527
69: 1,529,449
96.1: 1,529,973
106: 1,529,920
29— 9: 1,529,095
1,529,211
30— 22: 1,529,944
26: 1,529,141
32— 4: 1,529,143
8: 1,529,428
10: 1,529,253
15: 1,529,687
33— 105: 1,529,905
124: 1,529,575
142: 1,529,068
149: 1,529,156
1,529,423
184.5: 1,529,908
1,529,704
191: 1,529,760
213: 1,529,543
215: 1,529,282
34— 6: 1,529,049
12: 1,529,206
1,529,207
1,529,209
1,529,211
4: 1,529,446
41— 74: 1,529,980
43— 3: 1,529,434
46: 1,529,909
64: 1,529,295
70: 1,529,981
81: 1,529,695
92: 1,529,103
112: 1,529,300
44— 9: 1,529,722
45— 6: 1,529,643
24: 1,529,049
1,529,705
31: 1,529,181
48: 1,529,112
56: 1,529,042
129: 1,529,485
46— 37: 1,529,281
60: 1,529,891
1,529,469
66: 1,529,247
1,529,248
46— 37: 1,529,043
47— 41: 1,529,163
48— 19: 1,529,409
26: 1,529,906
49— 18: 1,529,146
32: 1,529,902
35: 1,529,208
51— 135: 1,529,408
278: 1,529,742
280: 1,529,694
52— 31: 1,529,441
66: 1,529,098
83: 1,529,097
91: 1,529,944
53— 102: 1,529,346
309: 1,529,011
346: 1,529,659
449: 1,529,125
54— 33: 1,529,694
69— 18: 1,529,516
70: 1,529,516
61— 51: 1,529,033
63— 57: 1,529,675
91: 1,529,326
159: 1,529,047
64— 53: 1,529,303
66— 26: 1,529,568
32: 1,529,903
1,529,570
9: 1,529,209
1,529,736
10: 1,529,175
12: 1,529,930
18: 1,529,121
32: 1,529,903
1,529,414
34: 1,529,695
70— 17: 1,529,201
18: 1,529,202
115: 1,529,568
1,529,613
126: 1,529,906
130: 1,529,445
1,529,495
71— 7: 1,528,910
73— 37: 1,528,905
41: 1,529,611
75: 1,529,590
1,529,591
118: 1,529,219
123: 1,529,378
75— 32: 1,529,463
51: 1,529,751
54: 1,529,407
109: 1,529,101
167: 1,529,424
76— 5: 1,529,243
7: 1,529,075
1,529,294
1,529,531
14: 1,529,159
1,529,459
26: 1,529,249
28: 1,529,149
33: 1,529,910
1,529,920
1,529,199
36: 1,529,785
56: 1,529,755
81: 1,529,193
1,529,770
1,529,793
97: 1,529,198
109: 1,529,985
1,529,989
1,529,229
1: 1,529,209
1,529,444
18: 1,529,711
1,529,712
1,529,713
1,529,714
1,529,720
49: 1,529,899
123: 1,529,889
78— 54: 1,529,079
71: 1,528,975
106: 1,529,374
1,529,413
1,529,512
79— 88: 1,529,038
80— 16: 1,529,432
81— 3: 1,529,202
12: 1,529,590
77: 1,529,127
123: 1,529,404
186: 1,529,136
196: 1,529,269
82— 1: 1,528,068
4: 1,529,204
23: 1,529,337
83— 9: 1,529,267
30: 1,529,358
42: 1,529,701
44: 1,529,533
46: 1,529,401
60: 1,529,123
71: 1,529,640
86: 1,529,129
1,529,746
157: 1,529,454
272: 1,529,515
85— 7: 1,529,496
87— 4: 1,529,777
90— 16.5: 1,529,570
17: 1,529,096
18.7: 1,529,226
24: 1,529,322
28: 1,528,943
33: 1,529,147
58: 1,528,901
59: 1,529,300
90— 13.3: 1,529,489
58: 1,529,471
91— 32: 1,528,518
43: 1,529,097
48: 1,529,538
60: 1,529,198
92— 8: 1,529,442
94— 30: 1,529,705
39: 1,529,523
39: 1,529,145
51: 1,529,341
96— 2: 1,528,998
63: 1,529,410
84: 1,529,672
100: 1,529,699
97— 40: 1,529,098
47: 1,529,198
56: 1,529,207
83: 1,529,227
167: 1,529,027
194: 1,529,098
98— 22: 1,529,524
99— 11: 1,529,209
100— 47: 1,529,203
80: 1,528,884
1,528,885
1,528,886
97: 1,529,699
30: 1,529,061
101— 66: 1,529,463
70: 1,529,323
102: 1,528,564
115: 1,528,951
157: 1,529,203
183: 1,529,201
103— 3: 1,529,027
6: 1,529,018
32: 1,528,579
39: 1,529,609
56: 1,529,603
105— 178: 1,528,911
1,529,556
218: 1,529,525
220: 1,529,218
236: R. 16,080
104— 32: 1,529,491
77: 1,529,094
90: 1,528,925
106— 38: 1,529,031
37: 1,529,016
38: 1,529,154
49: 1,529,270
51: 1,529,110
52: 1,529,007
286: 1,529,688
302: 1,528,901
108— 24: 1,529,295
107— 7: 1,529,556
48: 1,529,678
109— 8: 1,529,716
17: 1,529,682
109— 1: 1,529,527
110— 1: 1,529,275
32: 1,529,060
44: 1,529,253
1,529,309
144: 1,529,208
112— 15: 1,528,921
65: 1,529,629
89: 1,529,361
176: 1,529,399
238: 1,528,980
113— 22: 1,529,277
38: 1,529,085
46: 1,529,800
59: 1,529,283
111: 1,529,222
115— 49: 1,529,814
116— 54: 1,529,367
103: 1,529,538
126: 1,529,300
118— 8: 1,528,442
66: 1,528,169
119— 17: 1,529,668
49: 1,529,000
120— 18: 1,529,098
121— 17: 1,529,218
50: 1,529,738
66: 1,529,207
127: 1,529,238
6: 1,529,230
225: 1,528,926
123— 2: 1,529,026
26: 1,529,163
1,529,560
1,529,661
41: 1,529,099
124— 1: 1,529,752
56: 1,529,515
65: 1,529,227
78: 1,529,709
119: 1,529,128
143: 1,529,251
1,529,535
125— 135: 1,529,366
126— 20: 1,529,051
38: 1,528,895
1,529,427
9: 1,529,370
127— 18: 1,529,700
60: 1,529,747
76: 1,529,088
1,529,730
78: 1,529,530
93: 1,529,455
101: 1,529,093
130: 1,529,054
1,529,067
140: 1,529,201
183: 1,529,209
1,529,271
160: 1,529,865
1: 1,529,425
129— 10: 1,529,715
37: 1,529,179
107: 1,529,043
150: 1,529,500
185: 1,529,326
345: 1,529,026
140— 3: 1,529,525
71: 1,528,963
141— 7: 1,529,031
142— 56: 1,528,957
143— 68: 1,528,958
144— 23: 1,528,942
33: 1,528,782
308: 1,529,038
324: 1,529,059
391: 1,529,053
145— 23: 1,529,706
32: 1,529,255
53: 1,529,726
110: 1,529,479
146— 1: 1,529,302
21: 1,529,156
73: 1,529,749
157: 1,529,266
147— 4: 1,529,577
149— 4: 1,529,517
150— 46: 1,529,554
151— 19: 1,529,213
1,529,248
1,529,513
30: 1,528,979
152— 2: 1,529,117
11.5: 1,528,997
1,529,060
1,529,073
14: 1,529,387
1,529,615
17: 1,529,721
21: 1,529,317
24: 1,529,325
1,529,053
28: 1,529,600
153— 16: 1,529,118
60: 1,529,674
80: 1,529,043
154— 45.2: 1,529,158
155— 49: 1,529,443
56: 1,529,295

155— 142: 1,539,897
156— 10: 1,539,774
158— 28: 1,539,111
42.4: 1,539,249
62: 1,539,255
90: 1,530,420
104: 1,540,008
115: 1,539,224
161— 1: 1,539,544
162— 1: 1,539,319
5: 1,539,124
8: 1,539,125
164— 65: 1,539,743
68: 1,539,128
166— 14: 1,539,286
15: 1,539,664
20: 1,539,242
169— 2: 1,539,091
42: 1,539,311
170— 29: 1,539,157
75: 1,539,254
159: 1,539,275
171— 95: 1,538,908
119: 1,539,210
228: 1,539,405
228: 1,539,241
229: 1,539,465
245: 1,539,690
173— 38: 1,539,068
1,539,069
120: 1,539,232
1,539,871
152: 1,539,420
179: 1,539,166
280: 1,539,662
175— 31: 1,538,946
263: 1,539,723
264: 1,539,490
269: 1,539,200
354: 1,539,152
359: 1,539,804
361: 1,539,539
174— 177: 1,539,209
175— 204: 1,539,658
1,539,812
1,539,813
266: 1,539,670
6: 1,539,672
176— 7: 1,539,004
229: 1,539,694
1,539,690
237: 1,538,952
229: 1,749,428
178— 7: 1,538,916
44: 1,538,964
51: 1,539,158
70: 1,539,390
179— 2: 1,539,421
3: 1,538,948
5: 1,539,630
9: 1,539,132
18: R. 16,086
27: 1,539,380
114: 1,539,306
119: 1,539,006
171: 1,539,464
180— 8: 1,539,757
49: 1,539,417
53: 1,538,881
84: 1,539,186
94: 1,538,968
181— 0.5: 1,539,702
181— 36: 1,539,046
182— 31: 1,538,924
182— 44: 1,539,116
50: 1,538,968
85: 1,539,435
1,539,476
1,539,479
1,539,480
1,539,482
1,539,797
86: 1,539,481
115: 1,539,460
1,539,528
184— 6: 1,539,607
13: 1,538,945
51: 1,539,522
105: 1,539,504
185— 37: 1,539,511
41: 1,539,532
1: 1,539,269
187— 2: 1,539,344
188— 5: 1,539,470
8: 1,539,760
31: 1,539,498
33: 1,538,908
41: 1,539,372
77: 1,539,529
88: 1,539,196
89: 1,539,557
98: 1,539,328
129: 1,539,656
152: 1,538,917
154: 1,539,106
204: 1,539,780
213: 1,539,078
218: 1,538,918
259: 1,539,444
264: 1,539,391
189— 16: 1,539,109
86: 1,539,326
191— 209: 1,539,527
192— 12: 1,538,980
67: 1,539,811
68: 1,538,976
78: 1,539,720
118: 1,538,064
123: 1,539,460
136: 1,539,772
138: 1,539,430
194— 1: 1,538,612
97: 1,539,466
197— 33: 1,539,172
74: 1,539,171
82: 1,539,009
117: 1,539,415
126: 1,539,281
1,539,373
129: 1,539,384
133: 1,539,244
136: 1,539,521
151: 1,539,285
198— 7: 1,539,130
22: 1,539,515
72: 1,539,559
199— 47: 1,539,002
55: 1,538,726
200— 4: 1,539,279
24: 1,539,514
26: 1,539,621
33: 1,539,359
35: 1,539,204
48: 1,539,316
200— 50: 1,539,104
68: 1,538,862
98: 1,538,960
96: 1,538,949
1,538,959
115.5: 1,539,385
126: 1,538,960
1,539,404
142: 1,539,298
1,539,635
144: 1,538,938
152: R. 16,087
153: 1,539,451
159: 1,539,278
166: 1,538,986
201— 49: 1,539,602
62: 1,539,266
65: 1,538,972
202— 16: 1,538,964
204— 9: 1,539,297
25: 1,539,647
32: 1,539,419
64: 1,538,880
1,539,703
206— 30: 1,538,978
46: R. 16,084
208— 45: 1,539,139
79: 1,539,115
178: 1,539,444
210— 9: 1,539,775
52: 1,539,671
166: 1,539,020
200: 1,538,980
211— 7: 1,539,756
20: 1,539,351
21: 1,539,626
24: 1,539,519
1,539,641
25: 1,539,296
34: 1,539,405
212— 57: 1,539,546
213— 27: 1,539,368
46: 1,539,166
166: 1,539,354
214— 16: 1,539,761
26: 1,539,707
52: 1,539,205
90: 1,539,090
104: 1,539,218
132: 1,539,766
138: 1,539,622
215— 37: 1,539,223
82: 1,539,431
88: 1,539,012
100: 1,539,201
217— 35: 1,539,140
57: 1,539,757
218— 15: 1,539,216
219— 4: 1,539,810
10: 1,539,508
13: 1,539,044
19: 1,539,276
1,539,562
26: 1,539,606
32: 1,539,545
34: 1,539,734
37: 1,539,497
38: 1,539,089
40: 1,539,092
221— 102: 1,539,071
127: 1,539,552
229— 19: 1,539,303
228— 71: 1,539,789
81: 1,539,434
234— 4: 1,539,781
8: 1,539,788
20: 1,539,783
235— 21: 1,539,161
236— 14: 1,538,913
22: 1,538,475
64: 1,538,940
127: 1,539,081
1,539,180
239— 28: R. 16,085
29: 1,538,902
32: 1,539,243
38: 1,539,676
1,539,677
47: 1,539,528
240— 11: 1,539,717
13: 1,539,794
24: 1,538,937
27: 1,539,486
30: 1,539,726
33: 1,539,543
242— 26: 1,539,102
245— 1: 1,539,686
6: 1,539,461
63: 1,539,181
142: 1,539,048
246— 15: 1,539,257
248— 8: 1,539,345
321: 1,539,396
324: 1,539,437
249— 2: 1,538,927
7: 1,539,399
1,539,504
1,539,520
8.5: 1,538,992
1,539,108
41: 1,539,090
1,539,096
44: 1,539,286
48.4: 1,539,131
1,539,753
63: 1,539,197
69: 1,539,806
76: 1,539,494
342— 1: 1,538,956
1,539,798
9: 1,539,490
45: 1,539,408
71: 1,539,489
76: 1,538,887
1,539,754
84.5: 1,539,646
118: 1,539,016
244— 1: 1,539,217
30: 1,538,962
1,538,974
246— 41: 1,539,334
68: 1,539,500
74: R. 16,083
247— 35.5: 1,539,076
248— 2: 1,539,277
41: 1,538,994
250— 8: 1,539,150
31: 1,539,416
36: 1,539,402
251— 26: 1,539,305
49: 1,538,912
95: 1,539,816
100: 1,539,200
121: 1,538,966
251— 132: 1,539,167
146: 1,539,617
158: 1,539,722
252— 77: 1,539,395
1,539,398
1,539,561
1,539,574
130: 1,539,945
1,539,256
254— 102: 1,538,998
108: 1,539,643
166: 1,538,922
1,539,138
176: 1,538,898
190: 1,538,922
256— 26: 1,539,056
29: 1,539,098
257— 130: 1,539,363
236: 1,539,267
260— 135: 1,539,067
1,539,731
261— 14: 1,539,798
1,539,799
60: 1,539,089
70: 1,539,288
77: 1,538,984
87: 1,539,347
262— 18: 1,539,782
120: 1,539,589
263— 13: 1,539,584
6: 1,539,134
265— 27: 1,539,960
60: 1,539,585
1,539,601
266— 4: 1,539,089
267— 10: 1,539,003
1,539,063
17: 1,539,113
20: 1,539,272
45: 1,538,965
80: 1,539,553
82: 1,539,070
1,539,221
84: 1,539,179
1,539,263
1,539,596
268— 8: 1,539,179
9: 1,539,155
14: 1,539,549
271— 24: 1,538,977
27: 1,539,083
63: 1,539,447
87: 1,538,990
272— 98: 1,539,214
79: 1,539,509
269: 1,539,187
273— 12: 1,539,192
73: 1,539,019
1,539,028
84: 1,539,418
88: 1,539,610
94: 1,539,095
95: 1,539,357
107: 1,539,251
122: 1,539,547
131: 1,539,420
133: 1,539,730
135: 1,539,776
136: 1,539,198
1,539,773
141: 1,538,967
146: 1,539,015
273— 161: 1,539,223
179: 1,538,899
274— 2: 1,539,710
25: 1,539,224
26: 1,539,412
275— 15: 1,539,737
277— 60: 1,539,127
66: 1,539,052
279— 35: 1,539,057
74: 1,539,430
110: 1,539,382
280—93.55: 1,539,474
100.5: 1,539,353
281— 22: 1,539,502
30: 1,539,164
44: 1,539,122
29: 1,539,952
282— 1: 1,538,953
47: 1,539,308
285— 32: 1,539,235
25: 1,539,212
82: 1,539,001
88: 1,539,327
149: 1,539,267
287— 53: 1,539,791
119: 1,539,803
288— 92: 1,539,350
197: 1,539,072
203: 1,538,966
214: 1,539,173
228: 1,539,789
242: 1,539,056
250: 1,539,092
293— 37: 1,539,540
55: 1,539,077
1,539,114
1,539,176
294— 3: 1,539,668
20: 1,539,526
295— 30: 1,539,264
299— 23: 1,538,915
44: 1,539,034
52: 1,538,488
69: 1,539,764
84: 1,539,008
118: 1,539,209
132: 1,539,604
298— 21: 1,539,625
28: 1,539,067
300— 19: 1,539,331
41: 1,539,780
45: 1,539,771
68: 1,539,180
92: 1,538,966
118: 1,539,784
141: 1,538,961
301— 17: 1,539,741
30: 1,539,304
44: 1,539,098
63: 1,539,065
64: 1,539,572
303— 15: 1,538,981
1,538,982
28: 1,538,938
32: 1,539,570
66: 1,539,228
85: 1,538,983
304— 24: 1,539,729
305— 6: 1,539,582
308— 188: 1,538,702
233: 1,538,710

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CONTENTS.

	Page.
DECISIONS OF THE COMMISSIONER OF PATENTS, June 2, 9, 16, 23, 30	263, 539, 831, 1079
TRADE-MARKS PUBLISHED AND REGISTERED, June 2, 9, 16, 23, 30	9, 269, 543, 835, 1083
LABELS AND PRINTS REGISTERED, June 2, 9, 16, 23, 30	60, 312, 598, 889, 1121
REISSUES, June 2, 9, 16, 23, 30	63, 313, 601, 891, 1125
DESIGNS, June 2, 9, 16, 23, 30	64, 314, 602, 891, 1126
PATENTS, June 2, 9, 16, 23, 30	75, 328, 616, 901, 1136

ANNOUNCEMENTS.

		Page.
ADVERSE DECISIONS IN INTERFERENCE	Abt, 1,412,327	834
	Behm, 1,376,504	261
	Benner and Heise, 1,484,927	537
	Egler, 1,372,618	834
	Gaskins, 1,433,612	537
	Good, 1,397,492	537
	Jones, jr., 1,396,217	261
	Kean and Wilson, 1,501,560	834
	Lee and Hogan, jr., 1,141,717	261
	Mannion and Arthur, 1,415,000	1
	Myers, 1,378,892	261
	Olson, 1,526,008	834
	Reiter, 1,403,445	1082
	Russell and Chickner, 1,464,587	1082
	Sands, 1,525,169	537
	Scott, 1,336,261	834
	Thompson, 1,383,677	834
	Toelcke, Mikkola and Shapiro, 1,483,132	1
	Williamson, 1,408,120	537
AMENDMENTS TO RULES OF PRACTICE		3, 1082
APPLICATIONS—Condition of pending		2, 262, 538, 830, 1078
CHANGES IN DIRECTORY OF THE PATENT OFFICE EXAMINERS	Oren F. Hunter, Acting, Division 10	8
	John A. Bartholomew, Division 32	8
CLASS ORDERS		537
CLASSIFICATIONS OF INVENTIONS—Changes in	*Order No. 899*	8
	Order No. 939	8
DISCLAIMER—Tuska, Clarence D., and Percival H. Spencer		834
DISPOSITION OF PATENT OFFICE MODELS		537, 834, 1082
INTERFERENCE NOTICES—Adams, Frederick C.		1077
Beck & Son, Jacob		829, 1077
Dawson, Metals Inc.		1
Hunt, William		1077
New Tone Company, The		1, 261
Phoenix Plumbago Mining Company		829, 1077
Ramco Manufacturing Company		261, 829
Silverstein, Isaac J.		1
Steinberger & Kalisher		261, 542, 829
Tempest, Mark, heirs, assigns, or legal representatives		829, 1077
PATENT SUITS—List of		6, 267, 541, 833, 1080
PATENTS—List of adjudicated		1, 261, 537, 832
TRADE-MARKS CANCELED		834

TABLE OF CASES REPORTED.

	Page.
Ames Shovel & Tool Company v. Baldwin Tool Works	831
*Carrier, In re	264
*Dollfus-Mieg Et Cie., Societe Anonyme v. Richardson Silk Co.	1080
Frolaset Corset Company v. The Boyshform Brassiere Co.	539
Lee Flour Mills Company, H. D. v. The R. D. Johnson Milling Company of Allegany County	831
*Phillips, Gladys V. H., administratrix, etc., v. Carlsson et al.	539
*Pinkerton v. Gibson	268
*Sundstrand v. Gubelmann	1079
*Weiss & Co., Inc., Theo., v. Stuart, Keith & Co., Inc.	540

[Decisions of the Court of Appeals of the District of Columbia are indicated by a star (*).]

ERRATA.

1,541,897, page 459, in heading, assignment, name of assignee, for "Silber Products Manufacturing Company" read *Stieber Products Manufacturing Company*.

1,541,528, page 484, first claim, line 1, for the word "sash" read *window*, and line 3, for the word "window" read *sash*.

Patents Nos. 1,539,818 to 1,540,741.

THE OFFICIAL GAZETTE OF THE United States Patent Office.

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CONTENTS.

	Page.
Issue of June 2, 1925	1
Interference Notices	1
Adjudicated Patents	1
Adverse Decisions in Interference	1
Applications Under Examination	2
Amendment to the Rules of Practice	3
Patent Suits	6
Changes in the Directory of the Patent Office	8
Changes in Classification	8
Trade-Marks Published (284 Applications)	9
Trade-Mark Registrations Granted	43
Trade-Mark Registrations Renewed	59
Labels	60
Prints	62
Reissues	63
Designs	64
Patents Granted	76

Issue of June 2, 1925.

Trade-Marks	319—No.	198,966 to No.	199,284, inclusive.
T. M. Renewals	29		
Labels	73—No.	28,702 to No.	28,774, inclusive.
Prints	29—No.	7,953 to No.	7,981, inclusive.
Reissues	4—No.	16,088 to No.	16,091, inclusive.
Designs	57—No.	67,428 to No.	67,484, inclusive.
Patents	924—No.	1,539,818 to No.	1,540,741, inclusive.
Total	1435		

Interference Notices.

U. S. PATENT OFFICE, *Washington, May 5, 1925.*

Dawson Metals Inc., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Samuel R. Dawson, of 395 St. Johns Place, Brooklyn, N. Y., for registration of a trade-mark and trade-mark registered November 2, 1920, No. 136,396, to Dawson Metals Inc., 52 Vanderbilt Avenue, New York, N. Y., and a notice of such declaration sent by registered mail to said Dawson Metals Inc., at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Dawson Metals Inc., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 5, 1925.*

Isaac J. Silverstein, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Linen Thread Company, 96–98 Franklin Street, New York, N. Y., for registration of a trade-mark and trade-mark registered April 16, 1912, No. 86,169, to Isaac J. Silverstein, 147 Spring Street, New York, N. Y., and a notice of such declaration sent by registered mail to said Silverstein at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Silverstein, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 6, 1925.*

The New-Tone Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of McGregor Chemical Co., 340 East Seventy-fifth Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered November 9, 1915, No. 106,988, to The New-Tone Company, 431 North Clark Street, Chicago, Ill., and a notice of such declaration sent by registered mail to The New-Tone Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The New-Tone Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(D. C. Mich.) The Pearson patent, No. 855,970, for fixture for automobile doors, claims 1, 2, and 3 *Held* valid and infringed. *Collins* v. *Hupp Motor Car Corporation*, 4 F. (2d) 272.

(C. C. A. Calif.) The Ray patents, Nos. 1,193,819 and 1,285,376, for oil burner, *Held* invalid. *Ray* v. *Bunting Iron Works*, 4 F. (2d) 214.

(C. C. A. Ohio.) The Boe reissue patent, No. 15,427, for attachment for drawing lubricant out of tanks, claims 5, 7, 8, and 9 *Held* not infringed. *Boe* v. *Marvel Equipment Co.*, 4 F. (2d) 193.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed.

Pat. 1,415,600, Mannion and Arthur, Adjustable plug for cleaning condenser tubes, decided April 6, 1925, claims 1 to 7, inclusive.

Pat. 1,483,132, Toelcke, Mikkola, and Shapiro, Bracelet, decided April 18, 1925, claim 1.

8824

Condition of Applications Under Examination at Close of Business May 22, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 44,780; Trade-Mark Division, 2,216. Oldest new case, Nov. 24, 1924; oldest amended Nov. 24 1924. The dates given are 1925 except where † indicates 1924.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 13	Feb. 23	623
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 2	Feb. 13	519
231	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 30	Apr. 10	297
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 18	Jan. 29	631
109*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 22	†Dec. 22	966
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	†Dec. 18	†Nov. 26	910
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Jan. 23	Jan. 26	900
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Jan. 23	Jan. 2	1,404
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 29	Mar. 4	591
118	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 21	Jan. 24	988
149*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 3	Mar. 9	746
380	12. PIERCE, P. F., Machine Elements	Jan. 24	Jan. 24	731
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Jan. 2	Jan. 31	1,147
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Feb. 24	Mar. 16	907
220	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 23	Jan. 24	945
340*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	†Dec. 13	†Dec. 22	983
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 10	Mar. 9	875
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	†Dec. 26	†Dec. 17	809
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 13	Mar. 25	544
170	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Jan. 21	Jan. 21	838
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Dec. 22	Mar. 16	462
108	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Feb. 25	Feb. 25	396
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	†Dec. 31	Jan. 20	395
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 2	Feb. 2	823
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Mar. 13	Mar. 14	706
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 4	†Dec. 2	760
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Feb. 24	Mar. 5	693
235	28. BENSON, A. R., Internal-Combustion Engines	Apr. 2	Apr. 4	707
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 1	†Dec. 16	1,077
243	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 12	Feb. 10	894
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 7	Mar. 7	817
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Jan. 26	Jan. 23	646
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 23	Mar. 23	680
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 26	Jan. 24	598
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 9	Mar. 6	641
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Jan. 27	†Dec. 11	1,283
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	†Dec. 11	†Dec. 10	1,195
145	38. IDE, G. B., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 6	†Dec. 8	938
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 5	Feb. 13	441
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	†Dec. 27	†Dec. 22	1,083
135	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 13	Jan. 28	619
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	†Dec. 20	Jan. 2	1,115
134*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	†Dec. 30	Jan. 9	900
233	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 8	Jan. 17	760
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides	Jan. 12	Jan. 15	798
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	†Dec. 22	†Dec. 24	667
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 15	Jan. 16	1,942
218*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Nov. 24	†Nov. 24	1,718
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Jan. 26	Jan. 29	710
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	†Dec. 13	†Dec. 15	1,336
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	†Dec. 24	†Dec. 22	2,106
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Feb. 28	Mar. 21	840
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Jan. 8	†Dec. 22	1,035
109	Designs: C. O. MARKHAM (Acting)	Apr. 30	May 1	265
163	Trade-Marks, Labels and Prints: T. L. MEAD, Jr. (Trade-Marks	Apr. 22	May 8	2,012
	(Labels and Prints	Apr. 16	Apr. 25	346

* Refers to room numbers in the annex.

AMENDMENT TO THE RULES OF PRACTICE.

(Order No. 2,911.)

U. S. Patent Office, *Washington, May 23, 1925.*

Acting under the provisions of section 488 of the Revised Statutes and with the approval of the Secretary of Commerce, the following rules of the Rules of Practice in the United States Patent Office are amended as indicated:

Rule 12, line 1, cancel "reaching" and substitute *placed in the Patent Office pouch at*, so that the first paragraph of the rule as amended will read:

"12. Mail placed in the Patent Office pouch at the post office at Washington, D. C., up to 4.30 p. m. on week days, excepting holidays, and 1 p. m. on half holidays, is entered as received in the Patent Office on the day it reaches the post office."

Rule 14, paragraph 2, line 3, cancel "and models;" line 9, cancel "with this" and insert *or Circular of Information, with a*, so that the second paragraph of the rule as amended will read:

"Of the propriety of making an application for a patent, the inventor must judge for himself. The office is open to him, and its records pertaining to all patents granted may be inspected either by himself or by any attorney or expert he may call to his aid, and its reports are widely distributed. (See rule 196.) Further than this the office can render him no assistance until his case comes regularly before it in the manner prescribed by law. A copy of the rules or Circular of Information, with a section marked, sent to the individual making an inquiry of the character referred to, is intended as a respectful answer by the office."

Rule 15, line 8, cancel from "except" to the end of the rule, so that the rule as amended will read:

"15. Pending applications are preserved in secrecy. No information will be given, without authority, respecting the filing by any particular person of an application for a patent or for the reissue of a patent, the pendency of any particular case before the office, or the subject matter of any particular application, unless it shall be necessary to the proper conduct of business before the office, as provided by rules 97, 103, and 108."

Rule 17, at the end of paragraph (*c*) add:

"provided the patent office of the country of which he is a citizen or subject allows substantially reciprocal privileges to those admitted to practice before the United States Patent Office."

so that paragraph (*c*) of the rule as amended will read:

"(*c*) Any foreign patent attorney not a resident of the United States, who shall file proof to the satisfaction of the Commissioner that he is registered and in good standing before the patent office of the country of which he is a citizen or subject, and is possessed of the qualifications stated in paragraph (*b*), provided the patent office of the country of which he is a citizen or subject allows substantially reciprocal privileges to those admitted to practice before the United States Patent Office."

Rules 26, lines 3 and 4, cancel "upon request of the applicant embodied in the assignment." Line 6, cancel "upon like request," so the the rule as amended will read:

"26. In case of an assignment of the whole interest in the invention, or of the whole interest in the patent to be granted, the patent will issue to the assignee; and if the assignee hold an undivided part interest, the patent will issue jointly to the inventor and the assignee; but the assignment in either case must first have been entered of record, and at a day not later than the date of the payment of the final fee (see rule 188); and if it be dated subsequently to the execution of the application, it must give the date of execution of the application, or the date of filing, or the serial number, so that there can be no mistake as to the particular invention intended. The application and oath must be signed by the actual inventor, if alive, even if the patent is to issue to an assignee (see rules 30, 40); if the inventor be dead, the application may be made by the executor or administrator."

Rule 39 (*a*), line 1, after "name" insert *citizenship*, so that paragraph (*a*) of the rule as amended will read:

"(*a*) Preamble stating the name, citizenship and residence of the applicant and the title of the invention."

Rule 42, line 13, change "a law examiner" to *the examiner of classification*, so that the rule as amended will read:

"42. If several inventions, claimed in a single application, be of such a nature that a single patent may not be issued to cover them, the inventor will be required to limit the description, drawing and claim of the pending application to whichever invention he may elect. The other inventions may be made the subjects of separate applications, which must conform to the rules applicable to original applications. If the independence of the inventions be clear, such limitation will be made before any action upon the merits; otherwise it may be made at any time before final action thereon, in the discretion of the examiner. A requirement of division will not be repeated without the written approval of the examiner of classification. After a final requirement of division, the applicant may elect to prosecute one group of claims, retaining the remaining claims in the case with the privilege of appealing from the requirement of division after final action by the examiner on the group of claims prosecuted."

Rule 45, line 4, cancel "-cap" and after "paper" insert (*8 x 13 inches*), so that the rule as amended will read:

"45. The specification and claims must be plainly written or printed on but one side of the paper. All interlineations and erasures must be clearly referred to in marginal or foot notes on the same sheet of paper. Legal paper (8 x 13 inches) with the lines numbered is deemed preferable, and a wide margin must always be reserved upon the left-hand side of the page."

Rule 47, second paragraph, line 2, after "papers" insert *except the drawings;* line 4, after "application" insert *except the drawings;* at the end of the last paragraph add:

"If the papers as filed are not properly ribboned or each sheet impressed with the seal, the case will be accepted for examination, but before it is allowed, duplicate papers, prepared in

compliance with the foregoing sentence, must be filed,"

so that the second (last) paragraph of the rule as amended will read:

"When the oath is taken before an officer in a country foreign to the United States, all the application papers, except the drawings, must be attached together and a ribbon passed one or more times through all the sheets of the application, except the drawings, and the ends of said ribbon brought together under the seal before the latter is affixed and impressed, or each sheet must be impressed with the official seal of the officer before whom the oath was taken. If the papers as filed are not properly ribboned or each sheet impressed with the seal, the case will be accepted for examination, but before it is allowed, duplicate papers, prepared in compliance with the foregoing sentence, must be filed."

Rule 68, at the end of the first paragraph add:

"In every instance where reconsideration is requested in view of an interview with the examiner or his assistant, the applicant or his attorney must file a written statement of the reasons presented at the interview as warranting favorable action,"

so that the first paragraph of the rule as amended will read:

"68. The applicant has a right to amend before or after the first rejection or action; and he may amend as often as the examiner presents new references or reasons for rejection. In so amending the applicant must clearly point out all the patentable novelty which he thinks the case presents in view of the state of the art disclosed by the references cited or the objections made. He must also show how the amendments avoid such references or objections. In every instance where reconsideration is requested in view of an interview with the examiner or his assistant, the applicant or his attorney must file a written statement of the reasons presented at the interview as warranting favorable action."

Rule 91, cancel the first sentence and substitute:

"The application for a reissue must be accompanied by an offer to surrender the original patent. The application should also be accompanied by the original patent, or, if the original is lost or inaccessible, by an affidavit to that effect. The application may be accepted for examination in the absence of the original patent or the affidavit, but one or the other must be supplied before the case is allowed,"

so that the rule as amended will read:

"91. The application for a reissue must be accompanied by an offer to surrender the original patent. The application should also be accompanied by the original patent, or, if the original is lost or inaccessible, by an affidavit to that effect. The application may be accepted for examination in the absence of the original patent or the affidavit, but one or the other must be supplied before the case is allowed. If a reissue be refused, the original patent will be returned to applicant upon his request."

Rule 122, line 6, after "claim" insert:

"or (4) if the interference involves a design patent or an application therefor, alleging that there is no interference in fact,"

so that the first paragraph of the rule as amended will read:

"122. Motions to dissolve an interference (1) alleging that there has been such informality in declaring the same as will preclude the proper determination of the question of priority of invention, or (2) denying the patentability of an applicant's claim, or (3) denying his right to make the claim, or (4) if the interference involves a design patent or an application therefor, alleging that there is no interference in fact, should contain a full statement of the grounds relied upon and should, if possible, be made not later than the thirtieth day after the statements of the parties have been received and approved. Such motions and all motions of a similar character, if in the opinion of the Commissioner they be in proper form, will be heard and determined by the law examiner, due notice of the day of hearing being given by the office to all parties. If in the opinion of the Commissioner the motion be not in proper form, or if it be not brought within the time specified and no satisfactory reason be given for the delay, it will not be considered and the parties will be so notified.

Rule 151, line 17, after "contested cases" insert *on final hearing;* at the end add:

"Petitions for rehearings or modification of the decision must be filed within thirty days after the decision or before the limit of appeal expires,"

so that the rule as amended will read:

"151. Hearings will be had by the Commissioner at 10 o'clock a. m., and by the board of examiners in chief at 1 o'clock p. m., and by the examiner of interferences upon interlocutory matters at 10 o'clock a. m., and upon final hearings at 11 o'clock a. m., on the day appointed unless some other hour be specifically designated. If either party in a contested case, or the appellant in an ex parte case, appear at the proper time, he will be heard. After the day of hearing, a contested case will not be taken up for oral argument except by consent of all parties. If the engagements of the tribunal having jurisdiction be such as to prevent the case from being taken up on the day of hearing, a new assignment will be made, or the case will be continued from day to day until heard. Unless it shall be otherwise ordered before the hearing begins, oral arguments will be limited to one hour for each party in contested cases on final hearing, and to one-half hour in other cases. After a contested case has been argued, nothing further relating thereto will be heard unless upon request of the tribunal having jurisdiction of the case; and all interviews for this purpose with parties in interest or their attorneys will be invariably denied. Petitions for rehearing or modification of the decision must be filed within thirty days after the decision or before the limit of appeal expires."

Rule 155, line 4, cancel "must" and substitute *preferably should;* cancel "cap or foolscap" and after "paper," same line, insert (*8 x 13 inches*), so that the rule as amended will read:

"155. The pages of each deposition must be numbered consecutively, and the name of the witness plainly and conspicuously written at the top of each page. The testimony preferably should be written upon legal paper (8 x 13 inches), with a wide margin on the left-hand side of the page, and with the writing on one side only of the sheet."

Rule 166, line 4, after "year" insert *provided by rule 77,* so that the rule as amended will read:

"166. Whenever the Commissioner shall direct the withdrawal of an application from issue on request of an applicant for reasons not prohibited by rule 165, this withdrawal will not operate to stay the period of one year, provided by rule 77, running against the application, which begins to attach from the date of the notice of allowance."

Rule 170, line 5, first paragraph, change "will" to *may;* cancel the second paragraph, so that the rule as amended will read:

"170. Whenever a mistake, incurred through the fault of the office, is clearly disclosed by the records or files of the office, a certificate, stating the fact and nature of such mistake, signed by the Commissioner of Patents, and sealed with the seal of the Patent Office, may, at the request of the patentee or his assignee, be indorsed without charge upon the letters patent, and recorded in the records of patents, and a printed copy thereof attached to each printed copy of the specification and drawing.

"Mistakes not incurred through the fault of the office, and not affording legal grounds for reissues, will not be corrected after the delivery of the letters patent to the patentee or his agent.

"Changes or corrections will not be made in letters patent after the delivery thereof to the patentee or his attorney, except as above provided."

Rule 175, line 5, cancel "but" and insert:

"such renewal of the application may be filed any time after the case is allowed and such renewal will be taken as a waiver of the right to pay the final fee. But,"

so that the rule as amended will read:

"175. When the patent has been withheld by reason of nonpayment of the final fee, any person, whether inventor or assignee, who has an interest in the invention for which the patent was ordered to issue may file a renewal of the application for the same invention; such renewal of the application may be filed any time after the case is allowed and such renewal will be taken as a waiver of the right to pay the final fee. But any renewal application must be made within two years after the allowance of the original application. Upon the hearing of the new application abandonment will be considered as a question of fact."

Rule 191, line 57, change ".60" to .75; after line 57, insert:

On admission to practice as an attorney	*5.00*
For a certificate of good standing as an attorney	*1.00*

after line 70, insert:

For cost of the following publications apply to the Superintendent of Documents, Government Printing Office, Washington, D. C.

and cancel the reference to price throughout the rest of the rule, so that pages 58, 59, Rule 191, will read as follows:

For abstracts of title to each patent or invention:	
For the search, one hour or less, and certificate	$2.00
Each additional hour or fraction thereof	1.00
For each brief from the digest of assignments, of 200 words or less	.20
Each additional 100 words or fraction thereof	.10
For searching titles or records, one hour or less	1.00
Each additional hour or fraction thereof	1.00
For assistance to attorneys in the examination of publications in the Scientific Library, one hour or less	1.50
Each additional hour or fraction thereof	1.50
For copies of matter in any foreign language for every 100 words or a fraction thereof	.10
For translation, for every 100 words or fraction thereof	.75
On admission to practice as an attorney	5.00
For a certificate of good standing as an attorney	1.00
The Official Gazette:	
Annual subscriptions	5.00

For postage upon foreign applications, except those from Canada and Mexico, $5 or more as required. Moneys received from foreign subscribers in excess of the subscription price of $5 will be deposited to the credit of the subscriber and applied to postage upon the subscription as incurred. All communications respecting the Gazette and all subscriptions should be addressed to the Superintendent of Documents, Government Printing Office.

Single numbers	.10
Decision leaflets	.05
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Bound volumes of the Official Gazette:
- Semiannual volumes, from January 1, 1872, to June 30, 1883, full sheep binding
- Half sheep binding
- Quarterly volumes, from July 1, 1883, to December 31, 1902, full sheep binding
- Bimonthly volumes, from January 1, 1903, to March 1, 1906, full sheep binding
- Bimonthly volumes, from March 1, 1906, to January 1, 1909, tan duck binding
- Monthly volumes, from January 1, 1909, tan duck binding
- Monthly volumes, unbound, with title page, digest, and index

The annual index, from January, 1872, to January 1, 1906, full law binding
- In paper covers

The annual index from January 1, 1906, buckram binding
- In paper covers

The general index—a list of inventions patented from 1790 to 1873—three volumes, full law binding

The index from 1790 to 1836—one volume, full law binding

The library edition, monthly volumes to January 1, 1906, containing the specifications, and photolithographed copies of the drawings of all patents issued during the month, certified, bound in full sheep
- In half sheep, to January 1, 1906

The library edition, monthly volumes, from January 1, 1906, to June 30, 1912, tan duck binding

The index to patents relating to electricity, granted by the United States prior to June 30, 1882, one volume, 250 pages, bound
- In paper covers

Annual appendixes for each fiscal year subsequent to June 30, 1882, paper covers

Commissioner's decisions:
- For 1869, 1870, and 1871, one volume, full law binding
- For 1872, 1873, and 1874, one volume, full law binding
- For 1875 and 1876, one volume, with decisions of United States courts in patent cases, full law binding
- In paper covers
- Annual volumes with decisions of United States courts, for 1877 to 1906, full law binding
- In paper covers
- Subsequent annual volumes, buckram binding
- In paper covers

Rule 191, page 57, remains unchanged.

Cancel rule 193 and substitute:

"193. Any person making application therefor and paying the fee required by law will be furnished certified copies of any records, books, papers or drawings belonging to the Patent Office, or of letters patents or certificates of registrations of trade-marks, labels, or prints, authenticated by the seal of the Patent Office and certified by the Commissioner or in his name attested by a chief of a division duly authorized by the Commissioner."

Rule 196, second paragraph, line 8, cancel "and index," so that the second paragraph of the rule as amended will read:

"The Gazette is furnished to subscribers at the rate of $5 per annum. When sent abroad, an additional charge is made for the payment of postage. Single copies are furnished for ten cents. All orders and remittances for the Gazette should be sent to the Superintendent of Documents, Government Printing Office, Washington, D. C. The Gazette is issued in monthly volumes, with a title page to each volume. An index is published annually, which is sent to all subscribers without additional cost.

THOMAS E. ROBERTSON,
Commissioner.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

836,531, G. W. Pickard, Means for receiving intelligence communicated by electric waves, consent decree sustaining patent and granting injunction Sept. 18, 1923, D. C., S. D. N. Y., Doc. 25/123, *Wireless Specialty Apparatus Co.* v. *J. H. Bunnell & Co.*

836,531, Re. 13,798, G. W. Pickard, Means for receiving intelligence communicated by electric waves; 1,104,065, B. J. Miessner, Detector for wireless apparatus; 1,104,073, G. H. Pickard, Detector for wireless telegraphy and telephony, stipulation and order dismissing bill of complaint Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 24/135, *Wireless Specialty Apparatus Co.* v. *Freed-Eisemann Radio Corp. et al.*

841,387, L. de Forest, Device for amplifying feeble electrical currents; 879,532, same, Space telegraphy, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 25/116, *Radio Corp. of America* v. *J. Firth & Co., Inc.*; same, Doc. E 25/118, *Radio Corp. of America* v. *Wireless Appliance Corp.*; same, Doc. E 25/146, *Radio Corp. of America* v. *I. Gottlieb.*

879,532. (See 841,387.)

885,179, P. Jenness, Carburetor, final decree dismissing bill Apr. 22, 1924, D. C., S. D. N. Y., Doc. E 25/276, *P. Jenness* v. *Stromberg Motor Devices Co.*

886,302, W. W. Massie, Combined tuning coil and condenser, suit filed Mar. 20, 1923, D. C., S. D. N. Y., Doc. E 26/194, *W. O. Sevecke* v. *Westinghouse Electric & Mfg. Co.* Consent and order dismissing bill of complaint Feb. 21, 1924.

936,532, J. T. Wolfe, Windproof umbrella, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 27/17, *L. Miller et al.* v. *J. B. Hulse et al.*

1,004,847, L. S. Brach, Composition of matter, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 27/52, *The Solderall Co.* v. *S. J. Griswold (Hamilton Hardware Co.).*

1,060,190, Kellner & Worms, Knitted necktie, consent order of discontinuance Aug. 30, 1923, D. C., S. D. N. Y., Doc. E 24/237, *Franklin Knitting Mills, Inc.*, v. *Gimbel Bros.*

1,072,471. (See Des. 43,459.)

1,072,856. (See Des. 43,459.)

1,082,784, A. A. West, Hair curler, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 27/50, *West Electric Hair Curler Co.* v. *New York Merchandise Co.*

1,103,589. (See Des. 43,450.)

1,104,065. (See 836,531.)

1,104,073. (See 836,531.)

1,119,326, Thropp & De Laski, Machine for making or building up pneumatic tires, stipulation and order of discontinuance without prejudice July 30, 1923, D. C., S. D. N. Y., Doc. E 26/179, *The De Laski & Thropp Circular Woven Tire Co.* v. *Beacon Tire Co., Inc.*

1,141,175, L. G. Copeman, Electric stove, stipulation and order of discontinuance Apr. 30, 1923, D. C., S. D. N. Y., Doc. E 25/102, *Westinghouse Electric Products Co.* v. *Hirschfield Electrical Supply Co., Inc.*

1,191,306, T. A. Hoover, Bumper for vehicle; 1,221,800, same, Automobile bumper, stipulation and order of discontinuance Apr. 11, 1923, D. C., S. D. N. Y., Doc. E 25/96, *American Chain Co. Inc.*, v. *Badger Mfg. Co.*

1,204,005, G. J. Glotzback, Process of ornamenting metal, stipulation and order dismissing action Mar. 13, 1925, D. C., S. D. N. Y., Doc. E 28/365, *American Can Corp.* v. *Metal Package Corp.*

1,216,140, A. Kurtz, Lining for hats, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 26/251, *A. Kurtz et al.* v. *Rogers Hat Lining Corp.* Same, order granting injunction upon filing of bond Aug. 27, 1924, D. C., S. D. N. Y., Doc. E 28/391, *A. Kurtz et al.* v. *S. Nelson.*

1,221,800. (See 1,191,306.)

1,272,073, 1,345,208, W. Majewski, Rotary compression machine, consent order of discontinuance Jan. 8, 1925, D. C., S. D. N. Y., Doc. E 26/127, *Acme Machine & Brick Co., Inc.*, v. *W. Majewski et al.*

1,282,439, I. Langmuir, System for amplifying variable currents, consent order of discontinuance Oct. 16, 1923, D. C., S. D. N. Y., Doc. E 25/117, *Radio Corp. of America* v. *Sleeper Radio Corp.* Same, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 25/119, *Radio Corp. of America* v. *J. Firth & Co., Inc.*

1,345,208. (See 1,272,073.)

1,358,017, R. Riley, Dirt scraper; Re. 15,704, J. S. Reynolds, Automatic road and surface scraper,

suit filed Jan. 2, 1925, D. C., S. D. Calif., Doc. I 61 M, *J. S. Reynolds* v. *L. M. Davenport et al.*

1,374,502, E. P. Haines, Mechanism for operating sectional door, consent order of discontinuance Feb. 10, 1925, D. C., S. D. N. Y., Doc. E 27/243, *The Patent Appliance Co.* v. *McHarg Barton Co., Inc.*

1,375,458, B. P. Hermes, Heat-regulating system, suit filed Mar. 17, 1925, D. C., S. D. N. Y., Doc. E 31/280, *Hermes Steam Controller Co., Inc.*, v. *New York Steam Corp. et al.*

1,410,885, 1,436,305, L. Cammen, Centrifugal casting, order dismissing complaint and amended complaint May 17, 1924, D. C., S. D. N. Y., Doc. E 28/96, *L. Cammen* v. *Centrifugal Cast Iron Pipe Co.*

1,425,956, E. O. Frederics, Hair-waving means, final decree dismissing bill Dec. 19, 1924, D. C., S. D. N. Y., Doc. E 26/253, *E. Frederics, Inc.*, v. *Eugene, Ltd.*

1,431,260, H. Rosen, Button-making machine, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 25/167, *Metropolitan Button Works, Inc.*, v. *L. Schwind et al.* Same, suits filed Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 31/260, *H. Rosen et al.* v. *Cohen & Harris (Hygrade Button Works).* Same, Doc. E 31/261, *H. Rosen et al.* v. *A. Schapiro.* Same, Doc. E 31/262, *H. Rosen et al.* v. *Koberts & Rignabin (Manhattan Button Works).* Same, Doc. E 31/263, *H. Rosen et al.* v. *Kahan & Goldfein (New Star Button Co.).*

1,431,736, L. Garwitt, Garment, order of dismissal of bill of complaint Mar. 10, 1925, D. C., S. D. N. Y., Doc. E 26/214, *Garwitt & Mendelson (Mengart Knitting Mills)* v. *Anathan & Co.*

1,436,305. (See 1,410,885.)

1,462,044, J. E. Ogden, Sectional door, consent order of discontinuance Feb. 10, 1925, D. C., S. D. N. Y., Doc. E 28/98, *The Patent Appliance Co.* v. *McHarg Barton Co., Inc.*

1,470,524, H. B. Burt, Making frozen confection, suit filed Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 31/265, *H. B. Burt* v. *Popsicle Corp. of the United States, Inc.*

1,482,685, 1,517,071, Jaffe & Kanner, Hat pad, suit filed Mar. 11, 1925, D. C., S. D. N. Y., Doc. E 31/255, *Crescent Bandeau Co., Inc.*, v. *U. S. Bandeau Co., Inc., et al.*

1,492,514, F. H. Jensen, Arch support, suit filed Mar. 9, 1925, D. C. Mass., Doc. E 2150, *F. H. Jensen* v. *H. H. Palin.*

1,511,357, E. Nairne, Automobile goggle, suit filed Nov. 18, 1924, D. C. Mass., Doc. E 2026, *E. Nairne et al.* v. *Humboldt Mfg. Co. et al.*

1,517,071. (See 1,482,685.)

1,517,662, R. W. Wilson, Toilet box, suit filed Mar. 17, 1925, D. C. R. I., Doc. 218, *T. W. Foster & Bro. Co. et al.* v. *De Luse Art Metal Corp.*

1,517,844, W. P. Larson, Apparatus for making vaccine; 1,517,845, same, Process of making vaccine and product thereof, suit filed Mar. 7, 1925, D. C. Minn. (4th Div.), Doc. E 440, *D. Crowther* v. *W. P. Larson.*

1,517,845. (See 1,517,844.)

1,518,067, W. W. Hicks, Electric heater, defendant enjoined from making, using, or selling any electric heaters involving said invention (notice dated Mar. 9, 1925), D. C., N. D. Calif., Doc. E 1432, *W. W. Hicks* v. *Wholesale Electric Co. et al.*

Des. 43,459, 1,072,471, Kellner & Worms, Knitted necktie; 1,072,856, same, Process of knitting neckties and scarfs; 1,103,589, same, Knitted fabric, consent order of discontinuance Oct. 15, 1923, D. C., S. D. N. Y., Doc. E 26/308, *Franklin Knitting Mills, Inc.*, v. *Fain Knitting Mills et al.*

Des. 61,189, E. A. Davis, Lace, suit filed Mar. 15, 1923, D. C., S. D. N. Y., Doc. E 26/180, *Blanck & Co., Inc.*, v. *Lillianette, Inc.* Affidavit and order of discontinuance Apr. 19, 1923.

Des. 62,630, P. I. Ansorge, Lighting-fixture part, final consent decree sustaining patent, adjudging infringement, and granting injunction Mar. 16, 1925, D. C., S. D. N. Y., Doc. E 31/51, *Empire Lighting Fixture Co., Inc.*, v. *Fine Art Lighting Fixture Co., Inc.*

Des. 63,184, Des. 63,185, J. F. Kohler, Combined lamp shade and stand, consent order of discontinuance May 1, 1924, D. C., S. D. N. Y., Doc. E 28/209, *Metal Lamp Corp.* v. *Wrought Iron & Art Glass Fixture Co.*

Des. 63,185. (See 63,184.)

Des. 64,751, S. Kaufman, Finger ring, suit filed Mar. 11, 1925, D. C., S. D. N. Y., Doc. E 31/257, *Klebanoff & Grossman* v. *Skabetzky & Schutte.*

Des. 65,798, A. Brod, Ring, ordered discontinued by stipulation Dec. 29, 1924, D. C., S. D. N. Y., Doc. E 30/291, *A. Brod et al.* v. *E. Simson et al.*

Des. 66,253, J. P. Nissen, Stocking, suit filed Jan. 31, 1925, D. C., E. D. Pa., Doc. 3243, *J. P. Nissen* v. *H. C. Aberle Co.*

Re. 13,006, L. R. Gracy, Metallic packing, suit filed June 14, 1922, D. C., S. D. N. Y., Doc. E 24/65, *L. R. Gracy et al.* v. *The Garlock Packing Co.* Order of dismissal for lack of prosecution Mar. 2, 1925.

Re. 13,798. (See 836,531.)

Re. 15,641, J. H. Emery, Artificial fruit and method of producing same, order of dismissal for lack of prosecution Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 27/85, *J. H. Emery* v. *Gluckin & Schneiderman (Wm. Gluckin & Co.).*

Re. 15,704. (See 1,358,017.)

Re. 15,837, M. Hutchinson, Woodworking machine, suit filed Feb. 21, 1925, D. C., E. D. Pa., Doc. 3263, *M. Hutchinson* v. *Hutchinson Mfg. Co.*

Re. 15,902, S. F. Zaloom, Preserving compound for pistachio nuts, suit filed Mar. 12, 1925, D. C., S. D. N. Y., Doc. E 31/264, *Zaloom Bros. Co., Inc.*, v. *K. H. Basmadjian.*

Changes in the Directory of the Patent Office.

The following changes in the directory of the Patent Office are announced:

The list of Examiners, as to the following divisions, is changed to read:

Div.	Examiners.
10	Orren F. Hunter, Acting Examiner.
32	John A. Bartholomew.

Changes in Classification.

Order No. 2,909, May 14, 1925, provides:

In *class 23, Chemistry* (Division 6), subclass 230, Analytical and analytical-control methods, add to the definition, before the first note, the following note:

Note.—Methods of and apparatus for testing acidity, alkalinity, salinity, or ionization of a fluid by measuring current, voltage, resistance, etc., are in class 175, ELECTRICITY, GENERAL APPLICATIONS, subclass 183, Testing, unless control of a reaction or some chemical change is involved, in which case they are in this subclass.

In *Class 23, Chemistry* (Division 6), subclass 253, Apparatus, Analytical and analytical control, add to the first note after the definition, the following words:

and definition and notes thereunder.

In *Class 81, Tools* (Division 14), establish the following subclasses and definitions, the patents contained therein having been taken for the most part from class 81, Tools, subclasses 3, Special, and 15, Bending:

Special
- 3.5 Spectacle
- 3.6 Plier.
- 3.7 Leaf-spring spreaders,
- 5.1 Plier type.

Bending
- 15.1 Cap and can cover straightening.

Wrenches
- Rigid jaws
  - Inclosed
    - 124.1 With nut ejectors.

3.5. SPECIAL, SPECTACLE. Special tools for assembling and operating on spectacle frames and lenses.

3.6. SPECIAL, SPECTACLE, PLIER. Tools of the plier type coming under the preceding subclass.

3.7. SPECIAL, LEAF-SPRING SPREADERS. Special tools for spreading leaf springs.

5.1. SPECIAL, PLIER TYPE. Tools for special purposes of the plier or crossed-handle type.

Note.—See classes 7, COMPOUND TOOLS, subclass 3, Type, Pliers, and the subclasses indented thereunder, and 294, HANDLING, HAND AND HOIST-LINE IMPLEMENTS, subclasses 3, Miscellaneous compound implements, Plier or tong type; 27, Plate and receptacle lifters, and the subclasses indented thereunder; 35, Tweezers; 36, Pliers and tongs, and the subclasses indented thereunder; and the Index to Classification of Patents under the heading of Pliers and tongs.

15.1. BENDING, CAP AND CAN COVER STRAIGHTENING. Special tools for straightening and reshaping can covers or bottle caps, usually while applying or removing the same.

Note.—See this class, subclasses 3.1, and the subclasses indented thereunder, and 9.1 and 15.

Note.—See class 226, FILLING AND CLOSING PORTABLE RECEPTACLES, subclass 80, With fluent materials, General types, Closing, and the subclasses indented thereunder.

124.1. WRENCHES, RIGID JAWS, INCLOSED, WITH NUT EJECTORS. Having devices for ejecting nuts from the inclosing socket.

In *class 126, Stoves and Furnaces* (Division 19), abolish the following subclass, with its definition, the patents formerly contained therein having been placed in class 126, Stoves and Furnaces, subclass 310, Stovepipes, Elbows:

Stovepipes
- Elbows
  - 311 Changeable angle.

In *class 139, Textiles, Weaving* (Division 21), establish the following subclass and definition, the patents contained therein having been taken from class 223, Apparel Apparatus, subclass 14, Darning lasts:

Special-type looms
- Hand looms
  - Manual shedding
    - 33.5 Darning.

33.5. SPECIAL-TYPE LOOMS, HAND LOOMS, MANUAL SHEDDING, DARNING. Peculiarly adapted for weaving over a hole in a fabric.

Search Class—
223—APPAREL APPARATUS, subclass 14, Darning lasts, for related devices which do not have means for controlling interlacing of threads in definite order.

In *class 248, Supports* (Division 52), establish the following subclasses, the patents contained therein having been taken for the most part from class 248, Supports, subclass 30, Miscellaneous:

- 14 Machine supports and bases
- 15 Adjustable.
- 16 Vibration absorbing and sound deadening.

Brackets
- 17 Wall radiator.

In *class 1, Nailing and Stapling* (Division 11), establish the following subclasses and definitions, the patents contained therein having been taken for the most part from classes 1, Nailing and Stapling, subclasses 10, Machines, Box, Nail driving, and 11, Machines, Box, Staple forming and setting, and 147, Coopering, subclass 47, Basket forming and nailing:

Machines
- 13.5 Basket and barrel
- 13.6 Staple forming and setting.

13.5 MACHINES, BASKET AND BARREL. Miscellaneous fastener-inserting machines not otherwise classifiable for attaching together the component parts of baskets and barrels.

Search Class—
147—COOPERING, subclass 47, Basket forming and nailing, for machines which form and fasten together the component parts of a basket.

13.6. MACHINES, BASKET AND BARREL, STAPLE FORMING AND SETTING. Basket and barrel machines in which the fastener-inserting means comprises staple forming and setting devices.

Search Class—
147—COOPERING, subclass 47, Basket forming and nailing, for machines which form and fasten together the component parts of a basket.

In *class 147, Coopering* (Division 29), subclass 47, Basket forming and nailing, abolish the search note following the definition and substitute therefor the following:

Search Class—
1—NAILING AND STAPLING, subclass 13.5, Machines, Basket and barrel, and the subclass indented thereunder.

Changes in Classification.

Order No. 2,910, May 14, 1925, provides:

In *class 171, Electricity, Generation* (Division 26), abolish the following subclass, the patents formerly contained therein having been placed for the most part in class 136, Batteries, subclasses 4, Thermal, and 5, Thermal, Elements and compositions, established in this order:

Batteries
- 73 Thermal.

Class 136, Batteries (Division 16), has been reclassified with the subclasses indicated in the new loose leaf now being published for insertion in the Manual of Classification.

Lists of subclasses with definitions may be seen in the Classification Division, Room 165.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 2, 1925.

[VOL. 335. No. 1.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 174,047. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARBURTON-CROSBY COMPANY, Minneapolis, Minn. Filed Dec. 30, 1922.



Particular description of goods.—Semolina and Durum Wheat Flour.
Claims use since May 22, 1922.

Ser. No. 174,897. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GIRARD WRENCH MANUFACTURING COMPANY, Girard, Pa. Filed Jan. 22, 1923.



The right to the exclusive use of the words "Strength, Quality, Pa." and the representation of the wrench is disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Wrenches.
Claims use since March, 1917.

Ser. No. 178,448. (CLASS 10. VEHICLES, NOT INCLUDING ENGINES.) LAHER AUTO SPRING CO., INC., Seattle, Wash. Filed Apr. 2, 1923.

TIESTRAP

Particular description of goods.—Automobile, Truck, and Railway Springs.
Claims use since June 1, 1922.

Ser. No. 182,748. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FULTON BAG & COTTON MILLS, Atlanta, Ga. Filed July 3, 1923.

DFMP

Particular description of goods.—Tent Duck and Drill Materials.
Claims use since Jan. 1, 1908.

Ser. No. 183,721. (CLASS 32. FURNITURE AND UPHOLSTERY.) THE PINE PILLOW COMPANY, New York, N. Y. Filed July 26, 1923.

AROM

Particular description of goods.—Pillows.
Claims use since May 10, 1923.

Ser. No. 185,067. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MARY L. WENZ, doing business as Henry Wenz, Boston, Mass. Filed Aug. 27, 1923.

Five O'Clock

Particular description of goods.—Chocolate.
Claims use since 1895.

Ser. No. 186,873. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) EDWIN F. DANIELS & COMPANY, Chicago, Ill. Filed Oct. 12, 1923.

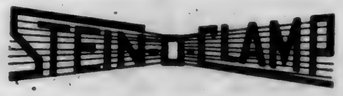


No claim is made to the word "Pocahontas" except in its specific association with the mark as shown, nor is any claim made in this application to the words "American Battleship" other than in the manner in which they are used.

Particular description of goods.—Bituminous Coal.

Claims use since December, 1915.

Ser. No. 190,276. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) J. SELLAR MANUFACTURING CO., New York and Brooklyn, N. Y. Filed Dec. 29, 1923.

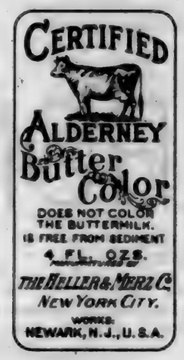


No claim is made to the exclusive use of the word "Clamp" apart from the mark shown on the drawing.

Particular description of goods.—Flexible Connecting Arm for Positioning and Holding Electric Lamps for Therapeutic Use.

Claims use since about June 15, 1923.

Ser. No. 190,375. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HELLER & MERZ COMPANY, Newark, N. J., and New York, N. Y. Filed Jan. 3, 1924.



No claim ja made to the exclusive use of the language appearing in the drawing other than the words "Alderney" and "The Heller & Merz Co." except in so far as they form part of the particular collocation.

Particular description of goods.—Butter Color.

Claims use since Dec. 18, 1923.

Ser. No. 191,947. (CLASS 43. THREAD AND YARN. THE EDWIN H. FITLER CO., Philadelphia, Pa. Filed Feb. 7, 1924. Under section 5b of the act of 1905 as amended 1920.

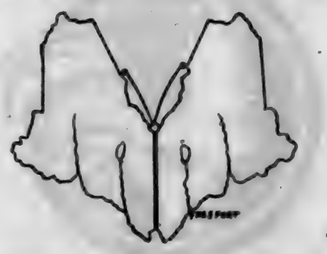


The drawing is lined for the color red.

Particular description of goods.—Spun Yarns, Lath Yarns, and Fodder Yarns.

Claims use since 1892.

Ser. No. 191,978. (CLASS 38. PRINTS AND PUBLICATIONS.) HELEN K. RANDALL, Freeport, Me. Filed Feb. 7, 1924.



The word "Freeport" is hereby disclaimed apart from the mark shown.

Particular description of goods.—Greeting Cards.

Claims use since Dec. 1, 1921.

Ser. No. 192,495. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEERLESS CONFECTION COMPANY, Chicago, Ill. Filed Feb. 18, 1924.

ORORA

Particular description of goods.—Hard Candies and Filled Confections.

Claims use since June 15, 1922.

Ser. No. 193,296. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LARKIN CO. INC., Buffalo, N. Y. Filed Mar. 5, 1924. Under section 5b of the act of 1905 as amended 1920.

LARKIN

Particular description of goods.—Coffee, Teas, Cocoa, Cereals Used as Substitutes for Coffee, Olive Oil, Peanut Butter, Pie Filling, Edible Gelatin, Alimentary Pastes, Ice-Cream Powders, Pudding Preparations, Mustard, Spices, Celery Salt, Flavors, Flavoring Extracts and Essences for Foods, Candies, Cornstarch, and Tapioca.

Claims use since October, 1904.

Ser. No. 193,470. (CLASS 17. TOBACCO PRODUCTS.) SAINT MINUTOLI, doing business as Saint Minutoli Cigar Co., Tampa, Fla. Filed Mar. 8, 1924.

OVER-TAMPA

No claim is made to the word "Tampa" apart from the mark shown in the drawing.

Particular description of goods.—Cigars.

Claims use since January, 1923.

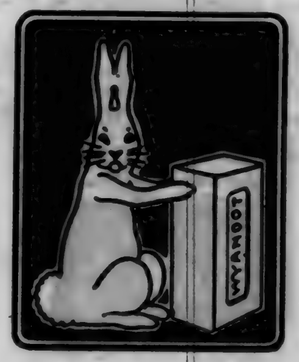
Ser. No. 193,859. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) RICHARDSON & BOYNTON CO., New York, N. Y. Filed Mar. 15, 1924. Under section 5b of the act of 1905 as amended 1920.

RICHARDSON

Particular description of goods.—Hard-Coal, Soft-Coal, and Wood Burning Tank Heaters and Furnaces, Steam, Hot-Water and Vapor Vacuum Pressure Heating Systems, Coal Ranges, Gas Ranges, Combination Coal and Gas Ranges, Enameled Coal, Gas, and Combination Coal and Gas Ranges, and Parts and Supplies for All the Foregoing—Namely, Water Seals, Check Valves, Air Expellers, Supply Valves, and Automatic Humidifiers.

Claims use since January, 1902, on hard-coal, soft-coal, and wood burning tank heaters and furnaces, steam, hot-water and vapor vacuum pressure heating systems, water seals, check valves, air expellers, supply valves, and automatic humidifiers, and since Feb. 6, 1924, on coal ranges, gas ranges, combination coal and gas ranges, enameled coal, gas, and combination coal and gas ranges.

Ser. No. 193,877. (CLASS 12. CONSTRUCTION MATERIALS.) WYANDOT CLAY PRODUCTS COMPANY, Upper Sandusky, Ohio. Filed Mar. 15, 1924.



Particular description of goods.—Bricks.

Claims use since June 1, 1923.

Ser. No. 194,046. (CLASS 12. CONSTRUCTION MATERIALS.) FENTON R. BEYDLE, doing business as Tilo Roofing Company, New York, N. Y. Filed Mar. 19, 1924.

TILO

Particular description of goods.—Roofing Materials—Namely, Shingles, Cements, Roofing Papers, and Roofing Compounds.

Claims use since 1915.

Ser. No. 194,047. (CLASS 12. CONSTRUCTION MATERIALS.) FENTON R. BEYDLE, doing business as Tilo Roofing Company, New York, N. Y. Filed Mar. 19, 1924.

ROOFTITE

Particular description of goods.—Roofing Materials—Namely, Shingles, Cements, Roofing Papers, and Roofing Compounds.

Claims use since January, 1920.

Ser. No. 194,537. (CLASS 39. CLOTHING.) HARMON & HARMON, Springfield, Ill. Filed Mar. 27, 1924.

SPRINGNIT SILK

No claim is made to the use of the word "Silk" when used apart from the mark as shown on the drawing.

Particular description of goods.—Neckties and Scarfs.

Claims use since Oct. 1, 1923.

Ser. No. 194,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHILLIPS SISTERS, New York, N. Y. Filed Mar. 28, 1924.



No claim is made to the word "Figs" apart from the mark as shown on the drawing.

Particular description of goods.—Candy.

Claims use since October, 1923.

Ser. No. 194,654. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE MENTOPINE CORPORATION, Wilmington, Del., and Philadelphia, Pa. Filed Mar. 29, 1924.

Supure

Particular description of goods.—Candies.
Claims use since on or about Mar. 17, 1924.

Ser. No. 194,956. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES P. SMITH & COMPANY, New York, N. Y. Filed Apr. 3, 1924. Under ten-year proviso.

FONTAINE

Particular description of goods.—Cherries, Marrons in Sirup, Marrons Glacés, Peas, Anchovies in Oil, Mushrooms, String Beans, and Bar-le-duc, All of Which Are Canned.
Claims use since about 1887.

Ser. No. 195,643. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE HOFFMAN PROCESS COMPANY, Pittsburgh, Pa. Filed Apr. 16, 1924.

SUM-FOAM

Particular description of goods.—Pickling Compound for Use in Pickling Steel.
Claims use since Jan. 1, 1917.

Ser. No. 195,792. (CLASS 12. CONSTRUCTION MATERIALS.) AMALGAMATED ROOFING COMPANY, Chicago, Ill. Filed Apr. 19, 1924.

IN-LADE

Particular description of goods.—Prepared Roofing in Rolls and Prepared Roofing Shingles of Fibrous Material Impregnated with a Moisture Repellent.
Claims use since July 1, 1912.

Ser. No. 195,793. (CLASS 12. CONSTRUCTION MATERIALS.) AMALGAMATED ROOFING COMPANY, Chicago, Ill. Filed Apr. 19, 1924.

Loctfast

Particular description of goods.—Prepared Roofing Shingles of Fibrous Material Impregnated with a Moisture Repellent.
Claims use since Oct. 15, 1923.

Ser. No. 196,049. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) CALUMET STEEL COMPANY, Chicago, Ill. Filed Apr. 24, 1924.



No claim is made to the words "Ground Line" appearing on the accompanying drawing, nor to the representation of the goods apart from the trade-mark as shown and described herein, applicant reserving, however, all common-law rights in the matter so disclaimed. Trade-mark consists in arbitrarily coloring the lower portion of the post black and the upper portion of the post green as indicated by shading in the accompanying drawing.
Particular description of goods.—Metallic Fence Posts.
Claims use since Feb. 1, 1924.

Ser. No. 197,586. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE L. COOK, Los Angeles, Calif. Filed May 26, 1924.



Particular description of goods.—Sandwiches Formed of Pop-Corn Confections and Crackers.
Claims use since Apr. 8, 1924.

Ser. No. 197,642. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE WASHBURN COMPANY, Worcester, Mass. Filed May 26, 1924.

Remind Your Customer

Particular description of goods.—Displays or Stocks of Stamped and Wire Kitchen Ware from which Sales Are Made.
Claims use since February, 1922.

Ser. No. 199,068. (CLASS 39. CLOTHING.) LEOPOLD LERNER, doing business as The Metropolitan Neckwear Co., New York, N. Y. Filed June 24, 1924.

Aristocrat

Particular description of goods.—Neckties.
Claims use since Jan. 2, 1924.

Ser. No. 199,655. (CLASS 39. CLOTHING.) LUCILE STAFF INC., New York, N. Y. Filed July 5, 1924.

Lucile Staff INC.

The corporate title "Lucile Staff Inc." as such is disclaimed apart from the trade-mark as shown.
Particular description of goods.—Women's and Misses' Gowns, Tailor-Made Suits, Tailor-Made Dresses, Coats, Wraps, Negligees, Slips Worn under Dresses, Headdresses for Evening Wear, Knitted and Textile Underwear and Lingerie; Women's and Misses' Furs—Namely, Coats, Wraps, and Scarfs; and Women's, Misses', and Children's Hats.
Claims use since Mar. 17, 1924.

Ser. No. 200,139. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ESTONIAN MATCH INDUSTRY "LENDRA" LTD., Reval, Tallinn, Esthonia. Filed July 17, 1924.



The words "Safety Match, Impregnated, Made in Esthonia, Forty Five Matches, Average Contents" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Safety Matches.
Claims use since May 9, 1924.

Ser. No. 200,356. (CLASS 37. PAPER AND STATIONERY.) GREIF-WERKE VORMALS DEUTSCHE BÜROBEDARFSGESELLSCHAFT BRUER & CO., Goslar, Germany. Filed July 22, 1924.



Particular description of goods.—Multiplying Apparatus and Accessories—Namely, Multiplying Masse and Wax Paper.
Claims use since Nov. 2, 1918.

Ser. No. 200,505. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MARQUETTE COAL COMPANY, Albany, N. Y. Filed July 25, 1924.

GLEN HAVEN

Particular description of goods.—Coal.
Claims use since April, 1918.

Ser. No. 200,514. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.

NADSCO

Particular description of goods.—Sporting Goods—Viz, Baseball Bats, Tennis Rackets, and Golf Clubs; and Toys—viz, Dolls and Mah Jongg Sets and Supplies.
Claims use since Apr. 10, 1924.

Ser. No. 200,519. (CLASS 37. PAPER AND STATIONERY.) NATIONAL DEPARTMENT STORES INC., New York, N. Y. Filed July 25, 1924.

NADSCO

Particular description of goods.—Wall Paper and Toilet Paper.
Claims use since Apr. 10, 1924.

Ser. No. 200,678. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. GOODMAN & SONS INC., New York, N. Y. Filed July 29, 1924. Under ten-year proviso.

GOODMAN'S TEA MATZOTHS

No claim is made to the words "Tea" and "Matzoths" apart from the mark shown on the drawing.

Particular description of goods.—Tea Matzoths.

Claims use since Aug. 1, 1923.

Ser. No. 201,783. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FELIX VANASSE and JOSEPH DROUIN, New York, N. Y. Filed Aug. 22, 1924.

MIXALL

Particular description of goods.—Composition of Chemical Substances Serving as a Filler in Paint Mixtures and Serving to Increase the Plastic Qualities of Such Mixtures.

Claims use since July 15, 1924.

Ser. No. 201,799. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) S. BLICKMAN, INC., Weehawken, N. J. Filed Aug. 23, 1924.

ESBEE

The lining of the drawing expresses shading.

Particular description of goods.—Apparatus Designed for Restaurant and Lunch-Room Service, Particularly Coffee Urns, Single and Batteries; Hot-Water Urns, Combination Urns, Urn Stands, Plate Warmers, Urn-Stand and Plate Warmers, Bainmaries, Fudge Warmers, Sausage and Roll Warmers, Cream and Milk Dispensing Coolers, Iced-Tea and Iced-Coffee Dispensing Coolers, Fruit and Salad Coolers, Cooler Stands, Soda-Fountain Luncheonettes, Drinking Fountains, Steam Tables, Galvanized Sinks, Pot Racks, Dish Carriers, Cutlery Carriers.

Claims use since Aug. 8, 1924.

Ser. No. 202,032. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD MONK OLIVE OIL COMPANY, Chicago, Ill. Filed Aug. 29, 1924.

MEDALION

Particular description of goods.—Canned and Bottled Olives and Cherries.

Claims use since May 20, 1921.

Ser. No. 202,178. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEUHOFF PACKING COMPANY, Nashville, Tenn. Filed Sept. 3, 1924.

OLD HICKORY

Particular description of goods.—Ham, Special Sugar-Cured Ham, Special Sugar-Cured Boiled Ham, Special Sugar-Cured Shoulder, Special Sugar-Cured Boiled Shoulder, Special Sugar-Cured Breakfast Bacon, Sliced Breakfast Bacon, and Lard.

Claims use since Dec. 20, 1904.

Ser. No. 202,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE C. F. SAUER COMPANY, Richmond, Va. Filed Sept. 3, 1924.

SAUER'S NERVE AND BONE

Applicant disclaims the exclusive right to the use of the words "Nerve and Bone" apart from the other features of the mark.

Particular description of goods.—Medicinal Preparation Recommended for Rheumatism, Contracted Muscles, Pain in the Breast, Side, or Back; Pains and Stiffness in the Joints, Scalds or Burns, Frosted Feet, Hard Swellings and Tumors, Sprains, Toothache, Throat Complaints of all Kinds, etc.

Claims use since 1899.

Ser. No. 202,243. (CLASS 39. CLOTHING.) JOSEPH CONNOLLY, New York, N. Y. Filed Sept. 5, 1924.

Dungloe

Particular description of goods.—Hand-Knitted Sweaters, Scarfs, Golf Hose, and Knitted Fabric Gloves, and Machine-Knitted Golf Hose, Half Hose, and Knitted Fabric Gloves.

Claims use since Sept. 1, 1923.

Ser. No. 202,501. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HOLLISTON MILLS INC., Norwood, Mass. Filed Sept. 11, 1924.

"BARCO"

Trade-mark consists of the word "Barco."

Particular description of goods.—Spot Remover and Cleaner.

Claims use since Jan. 23, 1924.

Ser. No. 204,204. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) SPENCER THERMOSTAT COMPANY, Cambridge, Mass. Filed Oct. 20, 1924.

Thermo-snap

No registration rights are claimed for the word "Snap" apart from the mark shown in the drawing.

Particular description of goods.—Valves.

Claims use since Oct. 16, 1924.

Ser. No. 204,628. (CLASS 15. OILS AND GREASES.) THE PONTIAC OIL COMPANY, Cleveland, Ohio. Filed Oct. 30, 1924.

RED ROSE

Particular description of goods.—Gasoline.

Claims use since Mar. 1, 1924.

Ser. No. 204,774. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) JACK BEVERAGES, INC., New York, N. Y. Filed Nov. 3, 1924.

Choclat Shake

While portions of the drawing are lined to represent the color red, no claim is made for any particular color. Applicant makes no claim to the descriptive word "Chocolate" and disclaims the word "Shake" apart from the mark as shown.

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.

Claims use since about Sept. 17, 1923.

Ser. No. 205,030. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROBERT J. PIERCE INC., New York, N. Y. Filed Nov. 8, 1924.

ASCEPTO

Particular description of goods.—Nursing-Bottle Nipples, Fountain Syringes, and Hot-Water Bottles.

Claims use since Sept. 10, 1924.

Ser. No. 205,225. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MICHELE PERUGO, Renate, Milan, Italy. Filed Nov. 13, 1924.

PUGLIE

Particular description of goods.—Blankets, Bed Covers, Coverlets, and Bedspreads, All of Cotton.

Claims use since Mar. 1, 1924.

Ser. No. 205,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANAHEIM BEEF COMPANY, Anaheim, Calif. Filed Nov. 14, 1924.

A B C

Particular description of goods.—Ham and Bacon.

Claims use since Jan. 1, 1924.

Ser. No. 205,313. (CLASS 37. PAPER AND STATIONERY.) CARL FRIEDRICH BRAUER, Stettin, Germany. Filed Nov. 15, 1924.

Arlac-Duroderma

Particular description of goods.—Wax Paper, Correction Varnish, Wax Stencils, Cardboard, Hectograph Sheets, and Papers Made from Japan Silk.

Claims use since Jan. 22, 1923.

Ser. No. 205,448. (CLASS 39. CLOTHING.) SECURITY MILLS, INC., Newton, Mass., and New York, N. Y. Filed Nov. 17, 1924.



Applicant herewith disclaims the words "100% Imported Wool" apart from the mark shown in the drawing.

Particular description of goods.—Sweaters, Sport Coats, Jackets, and Slip-Ons for Men, Women, and Children.

Claims use since August, 1924.

Ser. No. 205,652. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WALTER J. NUNN, doing business as Ar-Jo-La Laboratory, New Orleans, La. Filed Nov. 21, 1924.

AR-JO-LA

Particular description of goods.—Salve for Treating Baldness.

Claims use since Nov. 1, 1924.

Ser. No. 205,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADDIE KEELING, Norfolk, Va. Filed Nov. 22, 1924.

NEVER WRINKLE

Particular description of goods.—Massage Crème.
Claims use since June 2, 1924.

Ser. No. 205,779. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) B. A. RAILTON CO., Chicago, Ill. Filed Nov. 24, 1924.

SUNNY

BARCO

Particular description of goods.—Tartaric and Citric Acids, Alcohol, Denatured Alcohol, Ammonia, Baking Powder, Bluing, Glycerin, and Cream of Tartar.
Claims use since July, 1922.

Ser. No. 205,803. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE VENUS, INC., Oakland, Calif. Filed Nov. 24, 1924.

Outing

Particular description of goods.—Candy.
Claims use since July, 1918.

Ser. No. 205,954. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUDOLPH & BAUER, Louisville, Ky. Filed Nov. 28, 1924.

HUMPTY DUMPTY

Particular description of goods.—Sugared Pop Corn.
Claims use since July, 1889.

Ser. No. 206,026. (CLASS 39. CLOTHING.) THE PERRY KNITTING COMPANY, Perry, N. Y. Filed Nov. 29, 1924.

Nitey Nite

Trade-mark consists of the words "Nitey Nite."
Particular description of goods.—Children's Sleeping Garments in the Nature of a Combination Garment with Feet Attached.
Claims use since June 27, 1924.

Ser. No. 206,226. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ELLISON BRASS MANUFACTURING COMPANY, Jamestown, N. Y. Filed Dec. 4, 1924.



Particular description of goods.—Radiator Caps.
Claims use since about Nov. 1, 1924.

Ser. No. 206,312. (CLASS 39. CLOTHING.) KADDIE KLUB KNITWEAR INC., New York, N. Y. Filed Dec. 5, 1924.

Vest-Over

Applicant disclaims the right to the exclusive use of the word "Vest" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Men's Wearing Apparel—Namely, a Combination Sweater Vest.
Claims use since Nov. 10, 1924.

Ser. No. 206,387. (CLASS 39. CLOTHING.) J. & M. WOLF, New York, N. Y. Filed Dec. 6, 1924.



Particular description of goods.—Ladies' Hosiery.
Claims use since Nov. 29, 1924.

Ser. No. 206,690. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY OF NEW YORK, New York, N. Y. Filed Dec. 13, 1924.

990
NON-CHATTERING

The word "Non-Chattering" apart from the mark as shown is disclaimed.
Particular description of goods.—Petroleum and Products of Petroleum, With or Without Admixture of Other Materials, for Illuminating, Heating, Power, Burning, Lubricating, Greasing, Solvent, Sealing, Waxing, Waterproofing, Coating, Rust Preventing, Surface Preserving, and Tempering.
Claims use since June 7, 1922.

Ser. No. 206,736. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) INTERNATIONAL MARINE PRODUCTS COMPANY, Chicago, Ill. Filed Dec. 15, 1924.

IMP.CO
IMPORTED
ROCK LOBSTER

No claim is made to the words "Imported" or "Rock Lobster" or the representation of a lobster apart from the mark as shown.
Particular description of goods.—Canned Rock Lobster.
Claims use since Aug. 15, 1924.

Ser. No. 206,743. (CLASS 12. CONSTRUCTION MATERIALS.) NAAMLOOZD VENNOOTSCHAP MAATSCHAPPIJ AGO TOT HET VERWERKEN, VEREDELEN EN DROGEN VAN HOUT, Ter-Apel, Netherlands. Filed Dec. 15, 1924.

CORNULOID

Particular description of goods.—Compressed Wood in the Form of Sheets, Strips, Blocks, Slabs, Beams; Laths, Siding, Molding, Flooring, Doors, Shingles, Door and Window Frames, Trimming, and All of the Foregoing Materials Veneered with the Compressed Wood for Construction Purposes.
Claims use since Mar. 1, 1924.

Ser. No. 206,968. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) AMES HARRIS NEVILLE CO., San Francisco, Calif. Filed Dec. 20, 1924.

CALIRABIAN

Particular description of goods.—Tents, Awnings, Canvas Hammocks, and Sun Canopies.
Claims use since Dec. 12, 1924.

Ser. No. 207,055. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLAYNEY-MURPHY COMPANY, Denver, Colo. Filed Dec. 22, 1924.

MAYFLOWER

Particular description of goods.—Bacon, Ham, Lard, Sausage, Boiled Shoulder, and Dried Beef.
Claims use since about Nov. 1, 1907.

Ser. No. 207,179. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLEGE INN FOOD PRODUCTS COMPANY, also doing business as Hotel Sherman Company, Chicago, Ill. Filed Dec. 24, 1924.

MAYONNINE

Particular description of goods.—Mayonnaise in Powder Form.
Claims use since Jan. 1, 1924.

Ser. No. 207,185. (CLASS 39. CLOTHING.) ERD MARSHALL CO., Port Huron, Mich. Filed Dec. 24, 1924.

ERDIE

Particular description of goods.—Coats for Men, Women, and Children.
Claims use since April, 1922.

Ser. No. 207,238. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Dec. 26, 1924.

White Streak

Particular description of goods.—Golf Balls.
Claims use since Dec. 6, 1924.

Ser. No. 207,239. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Dec. 26, 1924.



Particular description of goods.—Golf Balls.
Claims use since Dec. 6, 1924.

Ser. No. 207,385. (CLASS 39. CLOTHING.) HERBERT JOHNSON, London, England. Filed Dec. 29, 1924. Under ten-year proviso.



Particular description of goods.—Women's, Men's, and Boys' Hats, More Particularly But Without Limitation to Soft, Cloth, Crush, Derby, Silk, Opera, Beaver, Velour, Straw, Leghorn, Bangkok, and Panama Hats and Polo and Pith Helmets.
Claims use since Dec. 9, 1889.

Ser. No. 207,405. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAUSTINO RODRIGUEZ, Habana, Cuba. Filed Dec. 29, 1924.



The portrait shown is fanciful. No claim is made to the exclusive right to the use of the words "Aceite," "Tine El Pelo," "Antes" and "Despues" apart from the mark shown in the drawing.
Particular description of goods.—Preparation for Dyeing the Hair.
Claims use since about 1902.

Ser. No. 207,682. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KENT-COSTIKYAN TRADING COMPANY, INC., New York, N. Y. Filed Jan. 5, 1925.

"Colonial Oriental"

The trade-mark consists of the combination "Colonial Oriental," each of the separate words being disclaimed apart from the mark shown.
Particular description of goods.—Textile Carpets.
Claims use since May 1, 1924.

Ser. No. 207,744. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) S. M. KENNEDY, doing business as Smoothe Hand Cleaner Co., Los Angeles, Calif. Filed Jan. 6, 1925.

SMOOTHE

Particular description of goods.—Hand Soap-Paste Cleanser.
Claims use since June 18, 1924.

Ser. No. 207,778. (CLASS 39. CLOTHING.) SAMUEL J. COHEN, doing business as Bernstein, Cohen & Company, Chicago, Ill. Filed Jan. 7, 1925.



Particular description of goods.—Men's, Youths', and Boys' Overalls; Men's, Youths', and Boys' Unionalls or Coveralls; Children's Play Suits; Men's, Youths', and Boys' Work Shirts; Men's, Youths', and Boys' Sheep-Lined Coats; Men's, Youths', and Boys' Sheep-Lined Vests; Men's, Youths', and Boys' Duck Coats; Men's, Youths', and Boys' Raincoats; Men's, Youths', and Boys' Leather Outer Vests; Men's, Youths', and Boys' Rubberized Coats; Men's, Youths', and Boys' Cloth-Top Vests; Men's, Youths', and Boys' Duck-Top Vests; Men's, Youths', and Boys' Cloth Blouses; Women's and Girls' Cloth Blouses; Men's, Women's, Boys' and Girls' Sport Jackets; Men's, Youths', and Boys' Mackinaws; Men's, Youths', and Boys' Fur-Lined Coats; Men's, Youths', and Boys' Sport Shirts; Men's, Youths', and Boys' Flannel Shirts; Men's, Youths', and Boys' Hunting Coats; Men's, Youths', and Boys' Work Pants; Men's, Youths', and Boys' Dress Pants; Men's, Youths', and Boys' Riding Breeches; Ladies' Riding Breeches; Men's, Boys', and Women's Cloth Aprons; Men's, Youths', and Boys' Work Frocks.
Claims use since Nov. 1, 1923.

Ser. No. 207,812. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEX MANUFACTURING CO., Reno, Nev. Filed Jan. 8, 1925.

DEXTONE

Particular description of goods.—Compound Used in Bread Making, Containing the Following Bread Ingredients: Shortening, Sugar, Salt, Milk, Malt, Starch, and Water.
Claims use since July 1, 1923.

Ser. No. 207,909. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) LOUIS ABBECK, doing business as The Sealastic Co., Brooklyn, N. Y. Filed Jan. 10, 1925.

SEALASTIC

Particular description of goods.—Ready-Mixed Paint, Paint Enamel, Prepared Shellac, Wood and Varnish Stain.
Claims use since Nov. 24, 1924.

Ser. No. 207,919. (CLASS 39. CLOTHING.) DAVIS DETROIT PANT MANUFACTURING CO., INC., Detroit, Mich. Filed Jan. 10, 1925.

Everyman

Particular description of goods.—Men's Pants.
Claims use since Jan. 2, 1925.

Ser. No. 207,921. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE EAGLE WOODENWARE MANUFACTURING COMPANY, Hamilton, Ohio. Filed Jan. 10, 1925.



Applicant disclaims exclusive right to the representation of the goods shown in the mark apart from the mark shown in the drawing.
Particular description of goods.—Mop Wringers.
Claims use since Nov. 1, 1899.

Ser. No. 207,949. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE RAYBESTOS COMPANY, Bridgeport, Conn. Filed Jan. 10, 1925.



Raybestos

No claim is made to the representation of a brake lining apart from the mark shown in the drawing.
Particular description of goods.—Brake Linings and Clutch Linings.
Claims use since on or about Aug. 12, 1919.

Ser. No. 207,990. (CLASS 43. THREAD AND YARN.) MUTUAL THREAD COMPANY, New York, N. Y. Filed Jan. 12, 1925.

"Cell-U-Thread"

No claim is made to the word "Thread" apart from the mark shown in the drawing.

Particular description of goods.—Threads and Yarns.

Claims use since October, 1924.

Ser. No. 208,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE RED TOP MALT EXTRACT COMPANY, Cincinnati, Ohio. Filed Jan. 17, 1925.

CROWN

Particular description of goods.—Malt Extract for Food Purposes.

Claims use since May 27, 1921.

Ser. No. 208,268. (CLASS 39. CLOTHING.) A. V. VICTORIUS & Co., New York, N. Y. Filed Jan. 17, 1925.

Captain Kidd

Particular description of goods.—Hosiery.

Claims use since on or about Dec. 23, 1923.

Ser. No. 208,346. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) HILL & HILL DISTILLING COMPANY, Owensboro, Ky., and Cincinnati, Ohio. Filed Jan. 20, 1925. Under ten-year proviso.

HILL AND HILL

Particular description of goods.—Whisky.

Claims use since 1879.

Ser. No. 208,372. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) APLIN & BARRETT & THE WESTERN COUNTIES CREAMERIES, LIMITED, Yeovil, Somerset, England. Filed Jan. 21, 1925.

CHEDLET

Particular description of goods.—Cheese.

Claims use since October, 1924.

Ser. No. 208,428. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) ADOLPHE SCHLOSS FILS & CIE., Paris, France. Filed Jan. 21, 1925.



Particular description of goods.—Hand Bags, Pocketbooks, Innovation Trunks, Steamer Trunks, Suitcases, Purses, Bill Folds, Cardcases, Wallets, and Portfolios.

Claims use since Dec. 1, 1924.

Ser. No. 208,527. (CLASS 39. CLOTHING.) LEWIS MEIER & COMPANY, Indianapolis, Ind. Filed Jan. 23, 1925.

Auto-Brand

The word "Brand" is hereby disclaimed apart from the mark as shown.

Particular description of goods.—Workmen's Overalls, Shirts, and Pants.

Claims use since Jan. 31, 1905.

Ser. No. 208,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUBN VIRGIL NEAL, doing business as Tokalon, New York, N. Y. Filed Jan. 24, 1925.

MOUSSE DE CRÈME

Particular description of goods.—Face Powder.

Claims use since on or about Sept. 1, 1923.

Ser. No. 208,615. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) A. SARTORIUS & Co. INC., New York, N. Y. Filed Jan. 24, 1925.

OLEO

Trade-Mark consists of the word "Oleo".

Particular description of goods.—Prepared Colors.

Claims use since May 19, 1894.

Ser. No. 208,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARSHMALLOW CREAM COMPANY, Allegan, Mich. Filed Jan. 27, 1925.

PERRIGO'S Marshmallow CREAM

No claim is made to the words "Perrigo's Cream" apart from the mark shown.

Particular description of goods.—Creams for Chapped Hands and Face.

Claims use since 1896.

Ser. No. 208,933. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY TRUITT, doing business as The Princeville Canning Co., Princeville, Ill. Filed Jan. 31, 1925.

JACK O'LANTERN

Particular description of goods.—Canned Vegetables.

Claims use since Oct. 31, 1924.

Ser. No. 209,040. (CLASS 39. CLOTHING.) JACOBS, GROSSMAN AND ROSENBERG, Philadelphia, Pa. Filed Feb. 3, 1925.

Mitzi TRADE MARK FROCKS FOR LITTLE TOTS

No claim is made to the words "Trade-Mark Frocks for Little Tots" appearing in the drawing apart from the trade-mark shown.

Particular description of goods.—Children's Frocks and Dresses.

Claims use since Oct. 1, 1924.

Ser. No. 209,136. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CARL A. NOWAK, doing business as Nowak Laboratories, St. Louis, Mo. Filed Feb. 5, 1925.

KAWON

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since July 1, 1924.

Ser. No. 209,235. (CLASS 39. CLOTHING.) OLIVER BROS., Philadelphia, Pa. Filed Feb. 7, 1925.

Meadow Brook Ladies Hosiery



No claim is made to the words "Ladies' Hosiery" apart from the other features of the mark.

Particular description of goods.—Men's and Women's Hosiery.

Claims use since May, 1923.

Ser. No. 209,277. (CLASS 12. CONSTRUCTION MATERIALS.) THE CAST-TILE MANUFACTURING CO., Toledo, Ohio. Filed Feb. 9, 1925.

CAS-TYLE

Particular description of goods.—Composition Flooring, Stair Treads and Risers; Door Jambs, Treads, and Casings; Base and Corner Trimmings, and Wall Tiles.

Claims use since Nov. 7, 1924.

Ser. No. 209,325. (CLASS 15. OILS AND GREASES.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Feb. 9, 1925.



Particular description of goods.—Candles.

Claims use since Dec. 1, 1923.

Ser. No. 209,493. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) NICO WAX COMPANY, Los Angeles, Calif. Filed Feb. 12, 1925.

NICO

Particular description of goods.—Prepared Wax for Polishing and Preserving Floors, Woodwork, or Linoleum.

Claims use since Dec. 1, 1922.

Ser. No. 209,500. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) SANITARY FIBRE CO. INC., Syracuse, N. Y. Filed Feb. 12, 1925.

FIBRENAP

Particular description of goods.—Sanitary Absorbent Pads.
Claims use since May 1, 1920.

Ser. No. 209,565. (CLASS 39. CLOTHING.) JOHN DAVID, New York, N. Y. Filed Feb. 14, 1925.

Sea-Breeze

Particular description of goods.—Sweaters and Jackets.
Claims use since Dec. 1, 1924.

Ser. No. 209,617. (CLASS 39. CLOTHING.) JOSEPH H. COHEN & SONS, VANITY CLOTHES INC., New York, N. Y. Filed Feb. 16, 1925.

VANITY CLOTHES

No rights are asserted to the exclusive use of the word "Clothes" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Clothing for Men—Namely, Suits, Overcoats, Tuxedos, Full-Dress Suits, Trousers, and Sport Garments—Namely, Coats, Trousers, Vests, and Knickers.
Claims use since Feb. 15, 1923.

Ser. No. 209,702. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKET-BOOKS.) NORMAN A. SHANE, doing business as Southern Sweat Pad Company, Evansville, Ind. Filed Feb. 16, 1925.

DURAPAD

The word "Pad" is hereby disclaimed apart from the mark as shown.
Particular description of goods.—Horse-Collar Pads.
Claims use since July 15, 1921.

Ser. No. 209,753. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHAS. W. SHEED, doing business as Charles Sheed, Albany, N. Y. Filed Feb. 17, 1925.

ONDOCA

Particular description of goods.—Coffee.
Claims use since Jan. 27, 1925.

Ser. No. 209,898. (CLASS 39. CLOTHING.) CHAS. DOUGLIS MACK CO. INC., New York, N. Y. Filed Feb. 20, 1925.

LUMINUMSTRYPE

Trade-mark consists of the word "Luminumstrype."
Particular description of goods.—Overcoats; Two-Piece Suits—viz, Coats and Trousers; Three-Piece Suits—viz, Coats, Vests, and Trousers; and Coats, Vests, and Trousers Separately.
Claims use since Feb. 14, 1925.

Ser. No. 209,954. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LESTER R. WALLS CO., INC., New York, N. Y. Filed Feb. 20, 1925.

LESWAL

Trade-mark consists of the word "Leswal."
Particular description of goods.—Cotton, Silk, Wool, and Linen Textiles in the Piece and Combinations of the Same.
Claims use since Feb. 7, 1925.

Ser. No. 210,024. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TILLMAN & BENDEL, INC., San Francisco, Calif. Filed Feb. 21, 1925. Under ten-year proviso.

PALO ALTO

Particular description of goods.—Canned Tomatoes.
Claims use since prior to 1895.

Ser. No. 210,107. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WILLIAMS BROS. AIRCRAFT CORPORATION, San Francisco, Calif. Filed Feb. 24, 1925.



No claim is made for the words "Nuts, Williams Automotive Products" and the representation of the goods apart from the mark as shown in the drawing.
Particular description of goods.—Combined Nut and Washer.
Claims use since Feb. 1, 1925.

Ser. No. 210,149. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TILLMAN & BENDEL, INC., San Francisco, Calif. Filed Feb. 25, 1925.



Particular description of goods.—Canned Oysters.
Claims use since prior to 1895.

Ser. No. 210,154. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN-GESELLSCHAFT FÜR ANILIN-FABRIKATION, Berlin, Germany. Filed Feb. 26, 1925.

Ceresan

Particular description of goods.—Agents for Destroying Parasites Which Infest Animals and Plants.
Claims use since Sept. 19, 1923.

Ser. No. 210,170. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ALFRED JOHNSON SKATE CO., Chicago, Ill. Filed Feb. 26, 1925.



The word "Skate" is disclaimed except in association with the rest of the mark.
Particular description of goods.—Ice Skates.
Claims use since Feb. 15, 1925.

Ser. No. 210,181. (CLASS 12. CONSTRUCTION MATERIALS.) NATIONAL PAPER PRODUCTS CO., San Francisco, Calif. Filed Feb. 26, 1925.

Moistite

Particular description of goods.—Building Paper and Paper Liners.
Claims use since Jan. 31, 1925.

Ser. No. 210,228. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) JOSEPH BIONDO, doing business as Capitol Pharmaceutical Laboratory, Albany, N. Y. Filed Feb. 27, 1925.



The descriptive words "Sterilized Bleached Cotton," "Highest Grade," "No Paper," and the word "Pad" are disclaimed apart from the mark shown by the drawing.
Particular description of goods.—Catamenial Bandages.
Claims use since Nov. 1, 1924.

Ser. No. 210,289. (CLASS 20. LINOLEUM AND OILED CLOTH.) CONGOLEUM-NAIRN INC., New York, N. Y. Filed Feb. 28, 1925.

DUROLEUM

Particular description of goods.—Prepared Floor Coverings of the Oiled-Cloth Type.
Claims use since May, 1921.

Ser. No. 210,309. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PEARL CITY FRUIT CO., LTD., Honolulu, Hawaii. Filed Feb. 28, 1925.

PUNCH BOWL

Particular description of goods.—Canned Pineapple.
Claims use since Jan. 15, 1925.

Ser. No. 210,345. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) CALIFORNIA METAL ENAMELING CO., Los Angeles, Calif. Filed Mar. 2, 1925.

CAMEO

Particular description of goods.—Oil, Coal, and Gas Stoves.
Claims use since Jan. 1, 1925.

Ser. No. 210,348. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) CAMPBELL COAL COMPANY, Piedmont, W. Va. Filed Mar. 2, 1925.

CARBOCITE

Particular description of goods.—Coal.
Claims use since about Feb. 18, 1925.

Ser. No. 210,353. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 2, 1925.

DART

Particular description of goods.—Collars and Dress and Negligee Shirts.
Claims use since June 19, 1924, on collars, and since July 19, 1924, on dress and negligee shirts.

Ser. No. 210,403. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PRATT FOOD CO., Philadelphia, Pa. Filed Mar. 2, 1925.

UTILITY

Particular description of goods.—Animal Foods or Feeds for Horses, Mules, Cattle, Dairy Cows, Calves, Hogs, Sheep, Goats, Rabbits, Dogs, Cats, and Other Domestic Animals; also for Poultry Foods or Feeds for Chickens, Ducks, Turkeys, Geese, Pigeons, Birds, and Fowl.
Claims use since Nov. 20, 1923.

Ser. No. 210,590. (CLASS 32. FURNITURE AND UPHOLSTERY.) UNITED MANUFACTURING COMPANY, Portland, Oreg. Filed Mar. 5, 1925.

Edlow
Spring Mattress
The mattress that will never grow old

The exclusive use of the words "Spring Mattress" and "The Mattress That Will Never Grow Old" are disclaimed except as used in connection with the word "Edlow."
Particular description of goods.—Mattresses.
Claims use since Oct. 1, 1924.

Ser. No. 210,603. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIKEN VORM WEILER-TER MEER, Uerdingen, Niederrhein, Germany. Filed Mar. 6, 1925.

Egalon

Particular description of goods.—Dyes and Dyestuffs.
Claims use since October, 1921.

Ser. No. 210,629. (CLASS 39. CLOTHING.) WALTER M. STEPPACHER & BRO. INC., Philadelphia, Pa. Filed Mar. 6, 1925.

DART

Particular description of goods.—Dress, Negligee, Night, or Work Shirts, Pyjamas, and Men's Textile Underwear.
Claims use since Feb. 9, 1925.

Ser. No. 210,643. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ART MIX PRODUCTIONS, INC., Los Angeles, Calif. Filed Mar. 7, 1925.

ART MIX WESTERN PRODUCTIONS INC.

No claim is made to the words "Art Mix Productions Inc." apart from the mark shown on the drawing.
Particular description of goods.—Motion-Picture Films.
Claims use since Mar. 3, 1925.

Ser. No. 210,652. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) C. E. ERICKSON CO., INC., Des Moines, Iowa. Filed Mar. 7, 1925.

HENRY'S CHEST PROTECTOR

Trade-mark "Henry's Chest Protector."
Particular description of goods.—Automobile Radiator Protectors.
Claims use since Oct. 30, 1922.

Ser. No. 210,680. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MAJOR MITTON, doing business as Mid West Apiaries, Cicero, Ill. Filed Mar. 7, 1925.

MID WEST APIARIES

No claim is made to the word "Apiaries" apart from the mark as shown in the drawing.
Particular description of goods.—Bottled Honey.
Claims use since fall of 1920.

Ser. No. 210,700. (CLASS 39. CLOTHING.) BATTREALL & SON, St. Joseph, Mo. Filed Mar. 9, 1925.

BATTREALL & SON HASKELL

No claim is made to the names "Battreall & Son" and "Haskell" except in the particular arrangement and association shown in the mark.
Particular description of goods.—Shoes Made of Leather with Rubber Heels, Some with a Leather Lining and Some with a Fabric or Canvas Lining.
Claims use since about July 1, 1924.

Ser. No. 210,706. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VERA E. BROWN, doing business as De Mais Medical Company, Titusville, Pa. Filed Mar. 9, 1925.

DE MAIS

Particular description of goods.—Medicated Cream for Eruptions and Discolorations.
Claims use since Dec. 17, 1923.

Ser. No. 210,721. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EMPIRE MILLING COMPANY, Minneapolis, Minn. Filed Mar. 9, 1925.

RED HOG FEED

The words "Hog Feed" are disclaimed apart from the other features of the mark as shown on the drawing.
Particular description of goods.—Hog Feed.
Claims use since Dec. 9, 1924.

Ser. No. 210,740. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE MICHIGAN BOOK BINDING COMPANY, Detroit, Mich. Filed Mar. 9, 1925.

Pyramid Sales Portfolio

The words "Sales Portfolio" are disclaimed apart from the other features of the mark. The shading in the drawing indicates the color gold.
Particular description of goods.—Portfolios.
Claims use since Jan. 2, 1925.

Ser. No. 210,749. (CLASS 12. CONSTRUCTION MATERIALS.) PIONEER PAPER COMPANY, Los Angeles, Calif. Filed Mar. 9, 1925.

H.M.P.

Particular description of goods.—Asphalt Roofing Compound.
Claims use since about 1910.

Ser. No. 210,781. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) C. GEORGE ARMSTRONG, doing business as The Chelmsford Company, Boston, Mass. Filed Mar. 10, 1925.

EST. 1895
Chelmsford

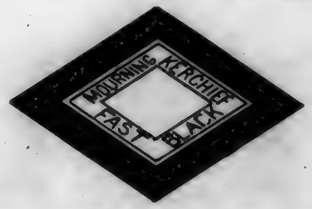
Applicant disclaims any right to the exclusive use of the word "Chelmsford" except as used in connection with the device composing the remainder of the mark.
Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages.
Claims use since Jan. 20, 1925.

Ser. No. 210,784. (CLASS 39. CLOTHING.) H. ROSS CALLAWAY, Paris, France. Filed Mar. 10, 1925.

CALLOIN

Particular description of goods.—Boots, Shoes, Mules, and Slippers of Leather, Rubber, or Combinations thereof, and Hosiery.
Claims use since Feb. 27, 1925.

Ser. No. 210,801. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. & K. HANDKERCHIEF MANUFACTURERS, New York, N. Y. Filed Mar. 10, 1925.



No claim is made herein for the words "Mourning," "Kerchief" "Fast" and "Black" apart from the mark shown.

Particular description of goods.—Handkerchiefs.

Claims use since Sept. 1, 1919.

Ser. No. 210,858. (CLASS 39. CLOTHING.) SALOMON STERN LTD. OF AMERICA, New York, N. Y. Filed Mar. 11, 1925.

Perfo Fashion

No claim is made to the word "Fashion" except in the connection with the balance of the mark.

Particular description of goods.—Hosiery.

Claims use since January, 1924.

Ser. No. 210,935. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VALENTINE & COMPANY, New York, N. Y. Filed Mar. 12, 1925.

Nitro-VALSPAR

Particular description of goods.—Primers, Surfacers, or Paint Undercoatings, Paint Enamels, Solvents, Varnishes; Dry, Ready-Mixed, and Paste Paints; and Stains, Which Materials Consist More or Less of Pyroxylin or Other Paint Vehicles.

Claims use since Feb. 28, 1925.

Ser. No. 210,959. (CLASS 15. OILS AND GREASES.) BERNARD L. FEUERSTEIN, doing business as Pennsylvania Oil & Refining Co. of New York., New York, N. Y. Filed Mar. 13, 1925.

NUYOCO

Particular description of goods.—Petroleum Products—Namely, Lubricating Oils and Lubricating Greases.

Claims use since on or about Aug. 15, 1924.

Ser. No. 211,011. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BLACKBURN VARNISH COMPANY, Cincinnati, Ohio. Filed Mar. 14, 1925.

WW

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Paint Enamels, Varnishes, Stains, Lacquers; Oils for Painters' Use, Such as Linseed Oil and China-Wood Oil; Driers, Prepared Shellacs, Liquid Fillers, Japans, Ground Color, and Floor Finishes.

Claims use since September, 1904.

Ser. No. 211,024. (CLASS 39. CLOTHING.) FIELDS-WATKINS COMPANY, INC., Lynchburg, Va. Filed Mar. 14, 1925.

FIWACo

Particular description of goods.—Dress, Work, and Negligee Shirts; Hosiery, Belts for Personal Wear, Suspenders, Ties, Sweaters, and Knitted and Textile Underwear for Men, Women, and Children.

Claims use since Jan. 10, 1925.

Ser. No. 211,028. (CLASS 39. CLOTHING.) CHAS. GREENBERG, New York, N. Y. Filed Mar. 14, 1925.

Pickwick Clothes

Trade-mark consists of the words "Pickwick Clothes," no claim being made for the exclusive use of the word "Clothes" apart from the mark as shown in the drawing.

Particular description of goods.—Men's and Young Men's Suits in One, Two, Three, and Four Piece Garments, Overcoats, and Topcoats.

Claims use since Feb. 25, 1925.

Ser. No. 211,061. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) SOCIETE ANONYME DES FORCES MOTRICES DE LA VALLEE D'AASPE, Paris, France. Filed Mar. 14, 1925.

CRYSTALUNDUN

Particular description of goods.—Crystallized Aluminous Abrasive Material From Which Grinding and Polishing Stones Are Made.

Claims use since Jan. 15, 1925.

Ser. No. 211,067. (CLASS 39. CLOTHING.) THE TEXTILE SHIRT COMPANY, Cincinnati, Ohio. Filed Mar. 14, 1925.

NEWIDEA

Particular description of goods.—Men's Dress and Negligee Shirts and Men's Underwear of Textile Fabric.

Claims use since Sept. 1, 1924.

Ser. No. 211,088. (CLASS 15. OILS AND GREASES.) THE EMPIRE PETROLEUM CO., Toledo, Ohio. Filed Mar. 16, 1925.

Prime Run

Particular description of goods.—Lubricants and Liquid Fuel, More Particularly as Suitable for Internal-Combustion Motors.

Claims use since Mar. 12, 1925.

Ser. No. 211,097. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

SEQUENTUM

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,098. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

CHRYSTEEL

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,099. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

MOSTECLEVER

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,101. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

L'ART BUDD

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,102. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

MOSTEARTE

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,103. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

STARDOME

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,104. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HOBE BUTTON CO. INC., New York, N. Y. Filed Mar. 16, 1925.

ACORNETTE

Particular description of goods.—Buttons Not of Precious Metal.

Claims use since about Feb. 16, 1925.

Ser. No. 211,106. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) INTERNATIONAL BRAID COMPANY, Providence, R. I. Filed Mar. 16, 1925.

"LAWRENCE"

Particular description of goods.—Shoe Lacings, Corset Lacings, Underwear Lacings, Blouse Lacings, Galloons, and Braids, All of Which Are Made of Cotton, Linen, Silk, and Worsted.

Claims use since Feb. 11, 1922.

Ser. No. 211,118. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RUDOLPH ORLOB, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Filed Mar. 16, 1925.

MOUNTAIN STATES RUBBER
MSR
MAXIMUM SERVICE RENDERED

No claim is made for the words "Maximum Service Rendered" and "Rubber" apart from the mark shown in the drawing.

Particular description of goods.—Asbestos and Rubber Sheet Packing.

Claims use since Jan. 1, 1924.

Ser. No. 211,129. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SHAWINIGAN PRODUCTS CORPORATION, New York, N. Y. Filed Mar. 16, 1925.

SHAWINIGAN

The trade-mark consists of an elliptical panel defined by an outer border line. A large letter "S" is displayed on the minor axis of the panel and is interrupted at its middle by the word "Shawinigan" displayed along the major axis of the panel and having the appearance of being superposed upon the letter "S."

Particular description of goods.—Carbon Black, Particularly Acetylene Black.

Claims use since October, 1920.

Ser. No. 211,132. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed Mar. 16, 1925.



Particular description of goods.—Aromatic Cascara, Almond Cream, Alcohol for Bathing and Rubbing; Beef, Wine and Iron; Blackberry Balsam, Eye Lotion, Carbolic Ointment Compound, Cold Cream, Cream Camphor Liniment, Dermic Lotion, Elixir Catnip and Fennel, G. E. Sodium Phosphate, Glycerin Suppositories, Larkspur Lotion, Liquid Corn Remedy, Lozenges, Bronchial; Lozenges, Brown Mixture; Lozenges, Brown Mixture and Ammonium Chloride; Lozenges, Sulphur and Cream Tartar; Mentholated Ointment, Mentholated Tar with Extract of Cod Livers; Milk of Magnesia, Medicinal Mineral Oil, Pile Ointment, Quinine Hair Tonic, Sanitary Fluid for Disinfecting and Deodorizing, Skin Cream, Solution Iron Peptonate with Manganese, Sirup Cherry Bark, Sirup Hypophosphites, Sirup White Pine, Sirup White Pine and Tar; Tablets, Laxative Cold; Tablets, Lithia; Tablets, Indigestion; Tablets, Migraine; Tablets, Papain Compound; Tablets, Soda Mint; Tablets, Triturates, Calomel, and Soda Bicarbonate; Chocolate-Coated Tablets, Aloes and Mastic; Chocolate-Coated Tablets, Asafetida; Chocolate-Coated Tablets, Blaud's Mass; Chocolate-Coated Tablets, Cascara Sagrada; Chocolate-Coated Tablets, Rhinitis; Sugar-Coated Tablets, Cascara Sagrada; Sugar-Coated Tablets, Casca Phen; Sugar-Coated Tablets, Nux and Iron; Throat Gargle, Zinc Stearate, Acetylsalicylic-Acid Tablets, Phenolphthalein C. T., Penetrating Liniment, Aromatic Spirits of Ammonia, Brown Mixture; Brown Mixture, no Opium; Camphorated Oil, Castor Oil, Chloroform Liniment, Glycerin, Glycerin and Rose Water, Paregoric, Soap Liniment, Spirit of Camphor, Spirit of Peppermint, Sweet Spirit of Nitre, Tincture Arnica, Tincture Benzoin Compound, Tincture Green Soap, Tincture Iodine.
Claims use since on or about Sept. 30, 1922.

Ser. No. 211,142. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE CO., Chicago, Ill. Filed Mar. 16, 1925.

BROWNIE
CHOC-NUT

Trade-mark consists of the coined term "Choc-Nut" and is here shown in combination with the mark "Brownie".
Particular description of goods.—Flavored Peanut Butter.
Claims use since Oct. 24, 1924.

Ser. No. 211,156. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE COLLINS COMPANY, Collinsville, Conn. Filed Mar. 17, 1925.



The lining in the drawing indicates the color red. No claim is made to the exclusive use of the picture of the knife apart from the mark shown.
Particular description of goods.—Cane Knives.
Claims use since Feb. 10, 1925.

Ser. No. 211,176. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE NATURAL PROCESS CHOCOLATE CORPORATION, Philadelphia, Pa. Filed Mar. 17, 1925.

BOO-YONT

Particular description of goods.—Nonalcoholic, Maltless Chocolate Beverage Sold as a Soft Drink.
Claims use since Feb. 25, 1925.

Ser. No. 211,195. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THE AMERICAN FURNACE & FOUNDRY CO., Milan, Mich. Filed Mar. 18, 1925.

No claim is made for the word "American" apart from the mark shown in the drawing.
Particular description of goods.—Hot-Air Furnaces and Water Heaters.
Claims use since August, 1920.

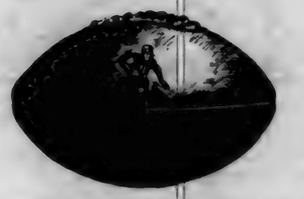
Ser. No. 211,238. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) TECHNICAL GLASS COMPANY, INCORPORATED, Los Angeles, Calif. Filed Mar. 18, 1925.

"TEGCO"

Particular description of goods.—Builders' Glass Hardware—Namely, Glass Knobs, Glass Drawer Pulls, Glass Push Plates, Glass Rosettes, and Glass Key Escutcheons.
Claims use since 1922.

Ser. No. 211,267. (CLASS 39. CLOTHING.) H. I. GELVIN, doing business as Red Grange Company, Champaign, Ill. Filed Mar. 19, 1925.

RED
GRANGE
SOX



The trade-mark consists of the portrait and name of the football player known as "Red" Grange, the word "Sox" not being claimed apart from the mark shown.
Particular description of goods.—Men's Hose.
Claims use since Mar. 4, 1924.

Ser. No. 211,270. (CLASS 39. CLOTHING.) HIRSCH & GLANTZMAN, New York, N. Y. Filed Mar. 19, 1925.



Applicant disclaims the word "Frocks" apart from the mark shown. The words "Hirsch & Glantzman," the name of the firm, is disclaimed apart from the mark shown.
Particular description of goods.—Infants' and Children's Dresses.
Claims use since Feb. 28, 1925.

Ser. No. 211,275. (CLASS 39. CLOTHING.) FRANK KATS HAT CO., INC., New York, N. Y. Filed Mar. 19, 1925.



The lines appearing in the drawing are for the purpose of shading only. Applicant hereby disclaims the exclusive right to the use of the words "Hats" and "New York" apart from the other features shown in the drawing.
Particular description of goods.—Men's Hats.
Claims use since January, 1922.

Ser. No. 211,298. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925.

MAXIM

Trade-mark consists of the word "Maxim".
Particular description of goods.—Cotton Piece Goods.
Claims use since about 1915.

Ser. No. 211,309. (CLASS 7. CORDAGE.) THE TURNER & STANTON COMPANY, Norwich, Conn. Filed Mar. 19, 1925.

TASCO

Particular description of goods.—Picture Wire, Shade Cord, Chalk Lines, Clotheslines, and Masons' Lines.
Claims use since Jan. 1, 1919.

Ser. No. 211,319. (CLASS 12. CONSTRUCTION MATERIALS.) HENRY BARCKHAUS, Staten Island, N. Y. Filed Mar. 20, 1925.



No claim is made to the words "The Ventilated Bungalow" nor to the representation of the goods apart from the mark shown in the drawing.
Particular description of goods.—Portable Bungalows.
Claims use since Feb. 1, 1925.

Ser. No. 211,372. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) NORTH AMERICAN LACE COMPANY, Philadelphia, Pa. Filed Mar. 20, 1925.

"Wol—Ray"

Particular description of goods.—Woven Fabric Insertions, Scarfs, and Bed Sets—Namely, Spreads, Bolster Throws, Scarfs, and Doilies.
Claims use since Feb. 28, 1925.

Ser. No. 211,398. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE AIR SCALE CO., Toledo and Delta, Ohio. Filed Mar. 21, 1925.

Air-Scale

Particular description of goods.—Regulator Valves.
Claims use since about June, 1924.

Ser. No. 211,399. (CLASS 39. CLOTHING.) ALABAMA DRY GOODS COMPANY, Birmingham, Ala. Filed Mar. 21, 1925.

Thoroguard

Particular description of goods.—Hosiery, Underwear of Knitted and Textile Fabric, Knitted Sweaters, Caps, and Scarfs for Men, Women, and Children, and Work and Dress Shirts for Men.
Claims use since June 20, 1924.

Ser. No. 211,413. (CLASS 39. CLOTHING.) FELDSTEIN BROS. & CO., New York, N. Y. Filed Mar. 21, 1925.

Ready-Fit

Particular description of goods.—Men's and Boys' Caps.
Claims use since about Sept. 4, 1924.

Ser. No. 211,414. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FILLMORE CITRUS FRUIT ASSOCIATION, Fillmore, Calif. Filed Mar. 21, 1925.

ALAMO

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since 1914.

Ser. No. 211,430. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JAMES HENRY SMITH, Turlock, Calif. Filed Mar. 21, 1925.

PEACOCK

Particular description of goods.—Fresh Vegetables—Namely Fresh Lettuce.
Claims use since Jan. 1, 1925.

Ser. No. 211,431. (CLASS 15. OILS AND GREASES.) SPHINX MOTOR OIL COMPANY, Los Angeles, Calif. Filed Mar. 21, 1925.



No claim is made to the words appearing on the drawing, "Motor Oil," "Silence for Your Motor," and "The Nile Green Oil."
Particular description of goods.—Motor Oils.
Claims use since February, 1925.

Ser. No. 211,476. (CLASS 39. CLOTHING.) MAX HYMAN & SON, INC., New York, N. Y. Filed Mar. 23, 1925.

Hymark

Particular description of goods.—Men's and Boys' Dress Shirts, Sport Shirts, Work Shirts, and Negligee Shirts.
Claims use since February, 1917.

Ser. No. 211,477. (CLASS 25. LOCKS AND SAFES.) THE INTERNATIONAL SERVICE CO., Cleveland, Ohio. Filed Mar. 23, 1925.

1620

PLYMOUTH ROCK

Particular description of goods.—Portable Savings Banks.
Claims use since Sept. 1, 1922.

Ser. No. 211,481. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) C. M. KIMBALL COMPANY, Winthrop, Mass. Filed Mar. 23, 1925.



The cap or cover for the container in which the polish is sold is colored red. No claim is made to the representation of a container cover or cap apart from the mark shown.
Particular description of goods.—Furniture Polish.
Claims use since Jan. 6, 1925.

Ser. No. 211,487. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) RUDOLPH ORLON, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Filed Mar. 23, 1925.

TUFFOID

Particular description of goods.—Belting, Hose, Asbestos and Rubber Packings, and Lacing.
Claims use since Jan. 1, 1924.

Ser. No. 211,509. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) WESTERN MACHINE TOOL WORKS, Holland, Mich. Filed Mar. 23, 1925.



No claim is made to the words "Low Hung Drive" or to the representation of the shafts with the meshed gears apart from the mark shown.
Particular description of goods.—Metal-Drilling Machinery.
Claims use since November, 1920.

Ser. No. 211,532. (CLASS 45. BEVERAGES, NONALCOHOLIC.) THE HORLACHER BREWING CO. INC., doing business as The Horlacher Co., Allentown, Pa. Filed Mar. 24, 1925.

COO-COO

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups and Extracts for Making the Same.
Claims use since January, 1924.

Ser. No. 211,542. (CLASS 37. PAPER AND STATIONERY.) L. E. RENNEY, Stockton, Calif. Filed Mar. 24, 1925.

TURNADIAL

Particular description of goods.—Radio-Receiving-Apparatus Station Log.
Claims use since Mar. 1, 1925.

Ser. No. 211,553. (CLASS 15. OILS AND GREASES.) SUNBEAM OIL COMPANY, Minneapolis, Minn. Filed Mar. 24, 1925.



The words "Oil Company" shown in the drawing are disclaimed.
Particular description of goods.—Gasoline, Kerosene, Lubricating Oils and Greases.
Claims use since Aug. 15, 1922.

Ser. No. 211,565. (CLASS 45. BEVERAGES, NONALCOHOLIC.) MRS. ANNE AYRES, doing business as The Ayres Plum Delight Co., New York, N. Y. Filed Mar. 25, 1925.



No claim is made to the words "Ayres Plum" apart from the mark as shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink and Sirups for Making the Same.
Claims use since Dec. 18, 1924.

Ser. No. 211,572. (CLASS 12. CONSTRUCTION MATERIALS.) CALIFORNIA CLAY PRODUCTS CO., Los Angeles and South Gate, Calif. Filed Mar. 25, 1925.

CALCO

Particular description of goods.—Floor Tile, Art Tile, Wall Tile.
Claims use since January, 1924.

Ser. No. 211,574. (CLASS 45. BEVERAGES, NONALCOHOLIC.) JOHN DI NOIA, doing business as John Di Noia & Sons, New York, N. Y. Filed Mar. 25, 1925.



Particular description of goods.—Nonalcoholic, Maltless Extract or Sirup Used in the Preparation of Beverages Sold as Soft Drinks.
Claims use since May 1, 1923.

Ser. No. 211,584. (CLASS 39. CLOTHING.) D. B. FISK & COMPANY, Chicago, Ill. Filed Mar. 25, 1925.

Beatrice

Particular description of goods.—Ladies' and Misses' Hats.
Claims use since Nov. 22, 1924.

Ser. No. 211,593. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed Mar. 25, 1925.

CURIOSITÉ

Particular description of goods.—Perfumes, Toilet Waters, and Toilet Powder.
Claims use since Mar. 21, 1925.

Ser. No. 211,594. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) HYMAN & OPPENHEIM, New York, N. Y. Filed Mar. 25, 1925.

Covabob

Particular description of goods.—Coiffure Hairpins.
Claims use since about Mar. 17, 1925.

Ser. No. 211,605. (CLASS 39. CLOTHING.) NATIONAL SHIRT SHOPS, INC., New York, N. Y. Filed Mar. 25, 1925.

Soie d'Art

Applicant disclaims any exclusive right to the word "Soie" apart from the mark shown in the drawing.
Particular description of goods.—Dress and Negligee Shirts.
Claims use since Mar. 16, 1925.

Ser. No. 211,617. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Mar. 25, 1925.



No claim is made to the words "The Gasoline of Power."
Particular description of goods.—Gasoline.
Claims use since April, 1917.

Ser. No. 211,633. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE TILEY PRATT CO., Essex, Conn. Filed Mar. 25, 1925.

T

Particular description of goods.—Steel Spokes.
Claims use since Feb. 1, 1917.

Ser. No. 211,640. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) WALWORTH MANUFACTURING COMPANY, Boston, Mass. Filed Mar. 25, 1925.

WΣ

Particular description of goods.—Pipe Fittings and Valves.
Claims use since June, 1924.

Ser. No. 211,646. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WINKWORTH & COMPANY, Detroit, Mich. Filed Mar. 25, 1925.

Alladyne

Particular description of goods.—Medicinal Preparation Indicated in Dental Premedication, Post-Operative Pain, Neuralgia, Neuritis, Headache, Congestion, Menstrual Pains, and Nervous Fatigue.
Claims use since about Feb. 15, 1925.

Ser. No. 211,688. (CLASS 39. CLOTHING.) CHARLES F. JACOBSON, New York, N. Y. Filed Mar. 26, 1925.

Cavalier
CRAVAT

The word "Cravat" appearing on the drawing is descriptive and disclaimed apart from the mark shown.
Particular description of goods.—Men's Cravats and Neckties.
Claims use since Jan. 15, 1925.

Ser. No. 211,712. (CLASS 39. CLOTHING.) SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis. Filed Mar. 26, 1925.

Flexies

Particular description of goods.—Leather Shoes.
Claims use since April, 1924.

Ser. No. 211,713. (CLASS 39. CLOTHING.) SIMPLEX SHOE MANUFACTURING COMPANY, Milwaukee, Wis. Filed Mar. 26, 1925.

The Flexies

Particular description of goods.—Leather Shoes.
Claims use since April, 1924.

Ser. No. 211,724. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) U. S. WRENCH MFG. CO. INC., Washington, D. C. Filed Mar. 26, 1925.



The representation of the wrench is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Wrenches.
Claims use since Dec. 20, 1924.

Ser. No. 211,766. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ST. LOUIS PUMP & EQUIPMENT COMPANY, St. Louis, Mo. Filed Mar. 27, 1925.

X-RAY PUMP

Applicant makes no claim herein to the word "Pump" apart from the mark shown in the drawing.
Particular description of goods.—Hand-Operated Liquid Measuring and Dispensing Apparatus.
Claims use since about Mar. 10, 1925.

Ser. No. 211,769. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) VICTOR MANUFACTURING & GASKET CO., Chicago, Ill. Filed Mar. 27, 1925.

BLULINE

Particular description of goods.—Gaskets.
Claims use since Oct. 1, 1924.

Ser. No. 211,770. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED C. BECKER, doing business as Martens Read & Co., San Francisco, Calif. Filed Mar. 28, 1925.

Golden Nut



Applicant disclaims the exclusive right to the use of the word "Nut" apart from the mark as shown.
Particular description of goods.—Compound of Honey and Peanut Butter Used as a Spread.
Claims use since Jan. 9, 1925.

Ser. No. 211,806. (CLASS 32. FURNITURE AND UPHOLSTERY.) SHERBURNE H. SLEEPER, Portland, Me. Filed Mar. 28, 1925.

AUTOKITABLE

Particular description of goods.—Automobile Tables.
Claims use since Oct. 1, 1924.

Ser. No. 211,808. (CLASS 17. TOBACCO PRODUCTS.) SHOUSE-FULP CIGAR COMPANY, Winston-Salem, N. C. Filed Mar. 28, 1925.

EL PORTO

Particular description of goods.—Cigars.
Claims use since Mar. 24, 1924.

Ser. No. 211,820. (CLASS 38. PRINTS AND PUBLICATIONS.) THE AMERICAN NEWS COMPANY INC., New York, N. Y. Filed Mar. 30, 1925.

The American News Trade Journal

Particular description of goods.—Trade Journals, Pamphlets, or So-Called House Organs.
Claims use since Oct. 1, 1919.

Ser. No. 211,837. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 30, 1925.

LANDSHIRE

Particular description of goods.—Clothing—Namely, Men's Coats, Vests, Pants, Knickerbockers, Overcoats, and Topcoats, and Coats and Knickerbockers for Women and Children.
Claims use since July 1, 1924.

Ser. No. 211,855. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Mar. 30, 1925.

SLATYLE

Particular description of goods.—Stone and Stonelike Blocks, Sheets, and Slabs.
Claims use since about Dec. 1, 1924.

Ser. No. 211,871. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ALBERT E. RYDER, doing business as A. E. Ryder Co., Cotuit, Mass. Filed Mar. 30, 1925.

RPR

The field within the border of drawing is blue.
Particular description of goods.—Paint Restorer and Preservative.
Claims use since Mar. 14, 1925.

Ser. No. 211,940. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ED. MILTENBERGER & SONS, Eaton, Ohio. Filed Mar. 31, 1925.

Klu-Ko-Kolo

The word "Kolo" is disclaimed apart from the trade-mark as shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Carbonated Beverages Sold as Soft Drinks.
Claims use since Sept. 1, 1923.

Ser. No. 211,948. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Mar. 31, 1925.

Ponndorf

Trade-mark consists of the word "Ponndorf".
Particular description of goods.—Serum Treatment for Tuberculosis.
Claims use since Jan. 2, 1923.

Ser. No. 211,949. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REINSCHILD CHEMICAL CO., New York, N. Y. Filed Mar. 31, 1925.

Vaccineurin

Trade-mark consists of the word "Vaccineurin".
Particular description of goods.—Serum for the Treatment of the Nerves.
Claims use since Jan. 25, 1923.

Ser. No. 211,953. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM E. SOMBART, Boonville, Mo. Filed Mar. 31, 1925.

SOMBART'S S SEL L Eczema Lotion

No claim is made to the words "Eczema Lotion" and the name "Sombart's" except as associated with the mark shown.
Particular description of goods.—Medicinal Preparation Used in the Treatment of Eczema.
Claims use since Mar. 27, 1925.

Ser. No. 211,962. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WELDUM PRODUCTS COMPANY, Indianapolis, Ind. Filed Mar. 31, 1925.

CARBONOID
SAVES COAL
Magic
SOOT DESTROYER AND CHIMNEY-SWEEP

The exclusive right to the use of the words "Saves Coal," "Soot Destroyer," and "Chimney Sweep" apart from the mark as shown is hereby disclaimed.
Particular description of goods.—Soot Destroyer.
Claims use since Mar. 1, 1915.

Ser. No. 211,972. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J. Filed Apr. 1, 1925.

COMPO

Particular description of goods.—Bearings and Bushings.
Claims use since on or about Nov. 15, 1924.

Ser. No. 211,973. CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BOUND BROOK OIL-LESS BEARING COMPANY, Bound Brook, N. J. Filed Apr. 1, 1925.

COMPO

Particular description of goods.—Bearings and Bushings.
Claims use since on or about Nov. 15, 1924.

Ser. No. 211,979. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Apr. 1, 1925.

LARK

Particular description of goods.—Dress and Negligee Shirts.
Claims use since Mar. 12, 1925.

Ser. No. 211,994. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETHYL GASOLINE CORPORATION, Moraine City, Dayton, Ohio. Filed Apr. 1, 1925.

ETHYL

Particular description of goods.—Antiknock Compounds for Motor Fuel.
Claims use since Feb. 27, 1925.

Ser. No. 211,998. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HARRY FLAMHAFT, doing business as Ibis Perfumer, New York, N. Y. Filed Apr. 1, 1925.

LIQUID WAVE

Particular description of goods.—Chemical Preparations Suitable for Curling of the Hair.
Claims use since Oct. 9, 1924.

Ser. No. 212,001. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) SAMUEL HECHT, doing business as Harlem Chemical Co., Long Island City, N. Y. Filed Apr. 1, 1925.

FLO-ROSE

Particular description of goods.—Automobile Polish and Lemon-Oil Polish.
Claims use since Jan. 1, 1924.

Ser. No. 212,006. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN B. LEWIS, doing business as J. B. Lewis Chemical Co., Philadelphia, Pa. Filed Apr. 1, 1925.

SOAKIT

The cross lining in the drawing indicates the color blue.
Particular description of goods.—Liquid Bleaching Solution or Detergent.
Claims use since Oct. 22, 1924.

Ser. No. 212,067. (CLASS 43. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

CHARLOTTE

Particular description of goods.—Thread.
Claims use since Mar. 23, 1925.

Ser. No. 212,104. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SERVICE PRODUCTS MANUFACTURING CO., Chicago, Ill. Filed Apr. 2, 1925.

"PLATEN LIFE"

No claim is made to the exclusive use of the word "Platen."
Particular description of goods.—Preparations or Fluids for Rejuvenating or Renewing Platens of Typewriters, Etc.
Claims use since Mar. 1, 1917.

Ser. No. 212,146. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALI MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 3, 1925.

"Three Fibre Boil Off Oil"

No claim is made to the exclusive use of the words "Boil Off Oil" apart from the mark shown.
Particular description of goods.—Compound Used for Boiling off the Gum or Any Undesirable Substance from Pure Silk.
Claims use since December, 1922.

Ser. No. 212,186. (CLASS 37. PAPER AND STATIONERY.) INTERNATIONAL PAPER COMPANY, New York, N. Y. Filed Apr. 4, 1925.

VACUUM

Particular description of goods.—Writing Paper and Printing Paper.
Claims use since Mar. 11, 1925.

Ser. No. 212,202. (CLASS 15. OILS AND GREASES.) RICHFIELD OIL COMPANY, Los Angeles, Calif. Filed Apr. 4, 1925.

KLENZLUBE

Particular description of goods.—Flushing Oil for Motors.
Claims use since Dec. 27, 1924.

Ser. No. 212,209. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD VARNISH WORKS, New York, N. Y. Filed Apr. 4, 1925.

KOVERLAK

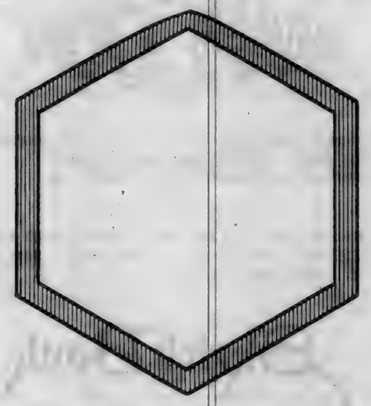
Particular description of goods.—Varnishes, Stains, Fillers, Lacquers, First Coaters, and Primers.
Claims use since Mar. 16, 1925.

Ser. No. 212,213. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 4, 1925.

HEX

Trade-mark comprises the word "Hex."
Particular description of goods.—Shingle Stains.
Claims use since on or about Nov. 23, 1921.

Ser. No. 212,214. (CLASS 16. PAINT AND PAINTERS' MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 4, 1925.



The trade-mark comprises a hexagonal symbol which, in the example shown in the drawing, is lined to represent the color red.
Particular description of goods.—Shingle Stains.
Claims use since on or about Nov. 23, 1921.

Ser. No. 212,215. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) TAR PRODUCTS CORPORATION, Providence and East Providence, R. I. Filed Apr. 4, 1925.



The trade-mark comprises the letters "T P C" which in the example shown in the drawing are arranged with the letter "T" in the middle and the letters "P" and "C" at left and right, respectively, of the letter "T."
Particular description of goods.—Shingle Stains.
Claims use since on or about Nov. 23, 1921.

Ser. No. 212,223. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ALABAMA BOTTLING CO. INC., Birmingham, Ala. Filed Apr. 6, 1925.

ROYAL CLUB

Particular description of goods.—Nonalcoholic, Maltless Carbonated Beverages and Sirups for Compounding Same.
Claims use since Mar. 30, 1925.

Ser. No. 212,229. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE BARKER BREAD CO., Portland, Oreg. Filed Apr. 6, 1925.

THREE SQUARE

Particular description of goods.—Bread.
Claims use since Jan. 19, 1925.

Ser. No. 212,267. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.

HIGH-HAT

Particular description of goods.—Gasoline and Lubricating Oils and Greases.
Claims use since Apr. 3, 1925.

Ser. No. 212,268. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.

WHITE-HAT

Particular description of goods.—Gasoline and Lubricating Oils and Greases.
Claims use since Apr. 3, 1925.

Ser. No. 212,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) S. E. LOVELESS, INC., Philadelphia, Pa. Filed Apr. 6, 1925.

Mammy Jinny

Particular description of goods.—Pies.
Claims use since Mar. 23, 1925.

Ser. No. 212,297. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) Dr. HENRY M. SCHAEFER, doing business as Snowite Products Company, Chicago, Ill. Filed Apr. 6, 1925.

SNOWITE

Particular description of goods.—Liquid Bluing and Ammonia.
Claims use since Feb. 5, 1925.

Ser. No. 212,322. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Apr. 7, 1925.

DIAL

Particular description of goods.—Dress and Negligee Shirts.
Claims use since Mar. 13, 1925.

Ser. No. 212,354. (CLASS 2. RECEPTACLES.) BRUNO EDGAR SIEGHEIM, London, England. Filed Apr. 7, 1925.

ELFIN

Particular description of goods.—Vacuum Flasks and Similar Vacuum Vessels, All Made Principally of Glass.
Claims use since Apr. 29, 1924.

Ser. No. 212,376. (CLASS 39. CLOTHING.) FELDBAUM & SPIEGEL, INC., New York, N. Y. Filed Apr. 8, 1925.

MARCOON

Particular description of goods.—Fur Garments—Namely, Coats, Stoles, Capes, and Jackets.
Claims use since before Mar. 5, 1925.

Ser. No. 212,377. (CLASS 38. PRINTS AND PUBLICATIONS.) DE WITT H. FESSENDEN, New York, N. Y. Filed Apr. 8, 1925.

Sketch Book

Particular description of goods.—Magazine Known as Sketch Book Published Monthly and Devoted Particularly to Subjects Relating to the Fine Arts.
Claims use since Nov. 20, 1923.

Ser. No. 212,407. (CLASS 32. FURNITURE AND UPHOLSTERY.) STAR MATTRESS COMPANY, Oakland, Calif. Filed Apr. 8, 1925.

KEVA

Particular description of goods.—Mattresses.
Claims use since February, 1922.

Ser. No. 212,413. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) VARCRAFT WORKS INC., Pottstown, Pa. Filed Apr. 8, 1925.

Ty-Tox

Particular description of goods.—Paint in Paste, Semipaste, and Liquid Form.
Claims use since Dec. 15, 1923.

Ser. No. 212,427. (CLASS 39. CLOTHING.) FITTS-SMITH DRY GOODS COMPANY, Kansas City, Mo. Filed Apr. 9, 1925.

Peggy Lou

Particular description of goods.—Ladies' Ready-to-Wear Coats, Suits, Dresses, and Aprons.
Claims use since Apr. 28, 1922.

Ser. No. 212,461. (CLASS 39. CLOTHING.) THE SPORTOCABIN CO., Yarmouth, Me. Filed Apr. 9, 1925.

YARMOCS

Particular description of goods.—Shoes Made of Leather and of Leather and Rubber Combined.
Claims use since Oct. 1, 1924.

Ser. No. 212,514. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL J. WHOLEY, doing business as Dr. Joslin Medical Co., Lowell, Mass. Filed Apr. 10, 1925. Under ten-year proviso.

DR DAVID JOSLIN'S CELEBRATED OINTMENT

Particular description of goods.—Ointment for Use in the Treatment of Whooping Cough, Coughs, Colds, Pneumonia, Congestion of the Lungs, Pleurisy, Catarrh, Hay Fever, Bronchitis, Membraneous Croup, Putrid Diphtheria, Erysipelas, Cuts, Bruises, Burns, Sunburns, Chafes, General Inflammation, Earache, Rheumatism, Boils, and Carbuncles.
Claims use since Jan. 1, 1875.

Ser. No. 212,561. (CLASS 37. PAPER AND STATIONERY.) LEE PAPER COMPANY, Vicksburg, Miss. Filed Apr. 11, 1925.

EMBLEM

Particular description of goods.—Bond and Ledger Papers.
Claims use since Feb. 26, 1925.

Ser. No. 212,647. (CLASS 37. PAPER AND STATIONERY.) GEORGE SHERMAN, doing business as Sherman Paper & Box Co., Boston, Mass. Filed Apr. 13, 1925.

SANI-SHERM

Trade-mark consists of the word "Sani-Sherm."
Particular description of goods.—Pan Liners.
Claims use since Jan. 8, 1924.

Ser. No. 212,660. (CLASS 38. PRINTS AND PUBLICATIONS.) THE WOMAN'S VIEWPOINT PUBLISHING COMPANY, Houston, Tex. Filed Apr. 13, 1925.

THE WOMAN'S VIEWPOINT

Particular description of goods.—Periodicals.
Claims use since on or about Dec. 12, 1923.

Ser. No. 212,671. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Apr. 14, 1925.

Rayure Prints

No claim is made to the word "Prints" apart from the mark as shown.
Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since Apr. 7, 1925.

Ser. No. 212,672. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Apr. 14, 1925.

Roseige Grounds

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since Apr. 7, 1925.

Ser. No. 212,673. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Apr. 14, 1925.

Gravure Prints

No claim is made to the word "Prints" apart from the mark shown.
Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.
Claims use since Apr. 7, 1925.

Ser. No. 212,674. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHENEY BROTHERS, South Manchester, Conn. Filed Apr. 14, 1925.

Tendril Prints

No claim is made to the word "Prints" apart from mark as shown.

Particular description of goods.—Woven, Knitted, Netted, Textile, and Pile Fabrics in the Piece Comprised in Whole or in Part of Silk.

Claims use since Apr. 7, 1925.

Ser. No. 212,699. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FREDERICK SCIDMORE, Dundee, Ill. Filed Apr. 14, 1925.

SHINERITE

Particular description of goods.—Automobile Polish.

Claims use since Mar. 20, 1925.

Ser. No. 212,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CARLOVA, INC., New York, N. Y. Filed Apr. 15, 1925.

STRATE-HAIR

Particular description of goods.—Hairdressing.

Claims use since Dec. 15, 1924.

Ser. No. 212,728. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENRY S. GERRY, doing business as The Hoxite Company, Stamford, Conn. Filed Apr. 15, 1925.

HOXITE

Particular description of goods.—Fluxes.

Claims use since Jan. 15, 1925.

Ser. No. 212,737. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LA FLEUR LABORATORIES, doing business as D'Ruvyl, Cleveland, Ohio. Filed Apr. 15, 1925.

Charm Wave

Particular description of goods.—Chemical Preparations Suitable for Curling and Waving of the Hair.

Claims use since May 1, 1924.

Ser. No. 212,754. (CLASS 15. OILS AND GREASES.) ROXANA PETROLEUM CORPORATION, St. Louis, Mo. Filed Apr. 15, 1925.

FOROLENE

Particular description of goods.—Lubricating Oil.

Claims use since Dec. 31, 1924.

Ser. No. 212,756. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHERWIN-WILLIAMS COMPANY, Cleveland, Ohio. Filed Apr. 15, 1925.

OPEX

Particular description of goods.—Nitrocellulose Lacquers and Enamels, Undercoatings, and Thinners.

Claims use since July 10, 1923.

Ser. No. 212,761. (CLASS 38. PRINTS AND PUBLICATIONS.) THE R. THOMAS & SONS CO., East Liverpool, Ohio. Filed Apr. 15, 1925.

Thomas Topics

The lining represents shading.

Particular description of goods.—Monthly Publication.

Claims use since Apr. 1, 1925.

Ser. No. 212,780. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FLORENCE NIGHTINGALE BRAND, doing business as Flor-ee, Cranford, N. J. Filed Apr. 16, 1925.

LeBaume Rosé

Particular description of goods.—Hand and Face Lotion.

Claims use since December, 1924.

Ser. No. 212,784. (CLASS 38. PRINTS AND PUBLICATIONS.) THE CLASS JOURNAL COMPANY, New York, N. Y. Filed Apr. 16, 1925.

DISTRIBUTION & WAREHOUSING

Particular description of goods.—Monthly Magazine.

Claims use since November, 1919.

Ser. No. 212,790. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FISH-SCHURMAN CORPORATION, New York, N. Y. Filed Apr. 16, 1925.

SINNOL

Particular description of goods.—Preparation for Use in Primary Surfaces Preparatory to the Application of Paint or Varnish Thereto, for Refinishing Old Paint and Varnished Surfaces, and for Hardening Sticky Painted or Varnished Surfaces.

Claims use since Apr. 7, 1925.

Ser. No. 212,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ETTA HIXSON, doing business as Cactus Remedy Co., Kansas City, Mo. Filed Apr. 16, 1925.

CACTUS

Particular description of goods.—Remedy for Corns and Calli.

Claims use since May, 1901.

Ser. No. 212,816. (CLASS 15. OILS AND GREASES.) HUMBLE OIL & REFINING COMPANY, Houston, Tex. Filed Apr. 16, 1925.

Flivolene

Particular description of goods.—Refined and Unrefined Oils Made From Petroleum, Both with and without Admixture of Animal, Vegetable, and Mineral Oils, for Power, Fuel, and Lubricating Purposes, and Lubricating Greases.

Claims use since Mar. 24, 1925.

Ser. No. 212,819. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM F. LAWRENZ, Long Beach, Calif. Filed Apr. 16, 1925.

OR-OL

Particular description of goods.—Tooth Paste and Mouth Wash.

Claims use since Jan. 15, 1925.

Ser. No. 212,829. (CLASS 10. FERTILIZERS.) PLANT PRODUCTS COMPANY, Baltimore, Md. Filed Apr. 16, 1925.

PLANTABBS

Particular description of goods.—Odorless Fertiliser.

Claims use since Apr. 15, 1925.

Ser. No. 212,842. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WECHSLER BARBER SILK COMPANY, INC., New York, N. Y. Filed Apr. 16, 1925.

CREPE THISBE

No claim is made to the word "Crepe." The mark consists of the word "Thisbe."

Particular description of goods.—Silk Piece Goods.

Claims use since on or about Apr. 13, 1925.

Ser. No. 212,855. (CLASS 39. CLOTHING.) CHAPPELL, ALLEN & CO., LIMITED, Bristol, England. Filed Apr. 17, 1925.

MYSTIC

Particular description of goods.—Corsets.

Claims use since Jan. 1, 1925.

Ser. No. 212,856. (CLASS 37. PAPER AND STATIONERY.) COLONIAL ENGRAVING COMPANY, Boston, Mass. Filed Apr. 17, 1925.

HERCULES

Particular description of goods.—Time Stamps, Desk Stamps, Dating Stamps, Certification Stamps.

Claims use since Nov. 15, 1923.

Ser. No. 212,886. (CLASS 39. CLOTHING.) JOHN A. S. BROWN, Philadelphia, Pa. Filed Apr. 18, 1925.

"Cleopatra Garters"

No claim is made to the word "Garters" apart from the mark shown.

Particular description of goods.—Garters.

Claims use since June 9, 1924.

Ser. No. 212,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Filed Apr. 18, 1925.

COLLEGE INN

Particular description of goods.—Cooked and Canned Food Products—Namely, Onion Soup, Crab Gumbo, Chicken Gumbo, Chicken Consommé, Chicken Chop Suey; Chicken and Rice, Southern Style; Bean Sprouts, Chop-Suey Sauce, Creamed Chicken with Spaghetti, Navy Beans and Beef Casserole, Spaghetti and Beef Casserole, Pea and Tomato Soup, Cream of Tomato Soup; Chop Suey, Chile Con Carne, and Vegetable Soup.

Claims use since September, 1922.

Ser. No. 212,936. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LITTLE DOCTOR MEDICINE CO., INC., Dallas, Tex. Filed Apr. 18, 1925.

QUINTHOL

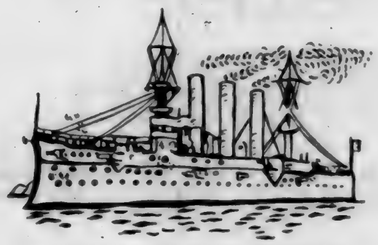
Particular description of goods.—Remedies for the Relief of the Following Diseases: Coughs, Colds, Grip, Influenza, and Dengue.
Claims use since Apr. 15, 1924.

Ser. No. 212,942. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BERRY CLARK MOSELEY, doing business as B. C. Moseley & Co. and Moseley & Hatcher, Roanoke, Va. Filed Apr. 18, 1925.

REBA

Particular description of goods.—Canned Vegetables.
Claims use since June 1, 1914.

Ser. No. 212,955. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925.



IRONSIDE

Trade-mark consists of the word "Ironside" and the representation of a warship.
Particular description of goods.—Cotton Piece Goods.
Claims use since 1898.

Ser. No. 212,958. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARAGON DISTRIBUTING CORPORATION, New York, N. Y. Filed Apr. 18, 1925.

PARAGON

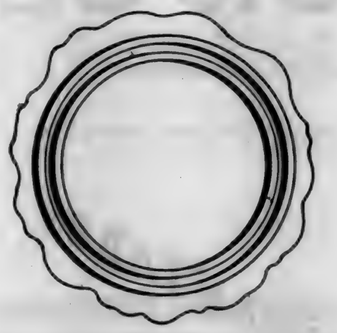
Particular description of goods.—Face Powder, Talcum Powder, Cold Cream, Rouge, Lip Sticks, Face Lotion, Scalp Tonic, and Brilliantine.
Claims use since Apr. 11, 1925.

Ser. No. 212,964. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE PULVOLAC CO. OF AMERICA, INC., New York, N. Y. Filed Apr. 18, 1925.



Particular description of goods.—Powdered Milk Containing Cod-Liver Oil.
Claims use since Feb. 15, 1925.

Ser. No. 212,975. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TINTO CORPORATION, Newark, N. J. Filed Apr. 18, 1925.



Particular description of goods.—Hair Dye.
Claims use since Dec. 22, 1924.

Ser. No. 212,998. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BURNHAM, STOEPEL & COMPANY, Detroit, Mich. Filed Apr. 20, 1925.

BAR-NONE

Particular description of goods.—Sheets, Pillowcases, and Cotton Piece Goods, Both Colored and White.
Claims use since October, 1924.

Ser. No. 213,064. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CALIFORNIA CYANIDE COMPANY, Los Angeles, Calif. Filed Apr. 21, 1925.

CAL-SY

Particular description of goods.—Poisonous Powder for Destroying Rats, Mice, Squirrels, Gophers, and Other Pests.
Claims use since Jan. 28, 1925.

Ser. No. 213,068. (CLASS 39. CLOTHING.) THE DRUID OAK BELTING COMPANY, INC., Baltimore, Md. Filed Apr. 21, 1925.

CAMOTOP-

Particular description of goods.—Leather Waist Belts.
Claims use since Apr. 13, 1925.

Ser. No. 213,079. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 21, 1925.

DOESONA

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Mar. 10, 1925.

Ser. No. 213,081. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 21, 1925.

OTTOMONA

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Jan. 20, 1925.

Ser. No. 213,082. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 21, 1925.

ROXONA

Particular description of goods.—Piece Goods Made of Wool.
Claims use since Jan. 29, 1925.

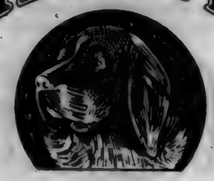
Ser. No. 213,084. (CLASS 38. PRINTS AND PUBLICATIONS.) MARSHALL HAYWOOD, La Fayette, Ind. Filed Apr. 21, 1925.

The SHEARS

Particular description of goods.—Periodical.
Claims use since November, 1892.

Ser. No. 213,110. (CLASS 2. RECEPTACLES.) THE ANCHOR PAPER COMPANY, Cincinnati, Ohio. Filed Apr. 22, 1925.

TRUSTY



Particular description of goods.—Paper Bags.
Claims use since Mar. 1, 1924.

Ser. No. 213,151. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & VANDAM, INC., New York, N. Y. Filed Apr. 22, 1925.

EVERTEX

Trade-Mark consists of the word "Evertex".
Particular description of goods.—Cotton and Silk and Cotton Piece Goods.
Claims use since Apr. 14, 1925.

Ser. No. 213,183. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., INC., Philadelphia, Pa. Filed Apr. 23, 1925.

STAYTONE

Particular description of goods.—Cotton Goods, Silk Goods, Linen Goods, Mixtures of Cotton and Silk and Silk and Linen, All in the Piece.
Claims use since Apr. 4, 1925.

Ser. No. 213,249. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX KAUFMANN & CO., INC., New York, N. Y. Filed Apr. 24, 1925.

Shurfast

Particular description of goods.—Cotton, Silk, and Cotton and Silk Fabrics.
Claims use since Apr. 1, 1925.

Ser. No. 213,250. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX KAUFMANN & CO., INC., New York, N. Y. Filed Apr. 24, 1925.

FASTALL

Particular description of goods.—Cotton, Silk, and Cotton and Silk Fabrics.
Claims use since Apr. 1, 1925.

Ser. No. 213,288. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ESTES & BLUM, INC., New York, N. Y. Filed Apr. 25, 1925.

BROADSHEEN

Particular description of goods.—Piece Goods Composed of Silk or an Admixture of Silk and Cotton, or an Admixture of Silk and Linen, Piece Goods Composed of Artificial Silk or an Admixture of Artificial Silk and Cotton, or an Admixture of Artificial Silk and Linen.
Claims use since Dec. 21, 1923.

Ser. No. 213,296. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Apr. 25, 1925.

PENETREX

Particular description of goods.—Oil Stains.
Claims use since March, 1922.

Ser. No. 213,299. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Apr. 25, 1925.

NO. 777

Particular description of goods.—White Enamel Undercoating.
Claims use since January, 1921.

Ser. No. 213,300. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GREAT LAKES VARNISH WORKS, INC., Chicago, Ill. Filed Apr. 25, 1925.

No. 843

Particular description of goods.—White Enamel Undercoating.
Claims use since September, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 2, 1925.

198,966. PEANUT BUTTER AND CHEWING GUM. THEODORE C. LEEDOM, Toledo, Ohio.
Filed March 16, 1921. Serial No. 144,822. PUBLISHED FEBRUARY 17, 1925.

198,967. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. O'KEEFE'S BEVERAGES LIMITED, Toronto, Ontario, Canada, and New York, N. Y.
Filed January 24, 1923. Serial No. 175,021. PUBLISHED MARCH 24, 1925.

198,968. CONDENSERS AND EARPIECES. THE MORE TONE RADIO COMPANY, Chicago, Ill.
Filed April 9, 1923. Serial No. 178,861. PUBLISHED MARCH 3, 1925.

198,969. WHISKY. PETER DAWSON, LIMITED, Glasgow, Scotland.
Filed May 1, 1923. Serial No. 179,992. PUBLISHED MARCH 24, 1925.

198,970. HAIR RESTORER AND TONIC. MAUDE C. THOMAS, Boston, Mass.
Filed June 12, 1923. Serial No. 181,921. PUBLISHED MARCH 17, 1925.

198,971. CLOCKS. THE NEW HAVEN CLOCK CO., New Haven, Conn.
Filed August 20, 1923. Serial No. 184,752. PUBLISHED FEBRUARY 24, 1925.

198,972. HANDKERCHIEFS. SCHWARTZ BROS. & CO., INC., New Orleans, La.
Filed August 27, 1923. Serial No. 185,046. PUBLISHED OCTOBER 21, 1924.

198,973. TOOTH PASTE, TALCUM POWDER, FACE POWDER, COMBINED HONEY AND ALMOND CREAM, HAIRDRESSINGS, VANISHING CREAM, AND SHAMPOO MASSAGE CREAM. RASH MANUFACTURING COMPANY, Middlesboro, Ky.
Filed September 10, 1923. Serial No. 185,619. PUBLISHED MARCH 10, 1925.

198,974. ELECTRIC-LIGHTING FIXTURES AND UNITS, ELECTRIC LAMPS, AND REPLACEMENT PARTS FOR ELECTRIC-LIGHTING UNITS. THE EDWARD N. RIDDLE COMPANY, Toledo, Ohio.
Filed September 11, 1923. Serial No. 185,676. PUBLISHED MARCH 3, 1925.

198,975. GARMENT-SUPPORTING SHOULDER STRAPS MADE PARTLY OR WHOLLY OF PRECIOUS METAL. B. A. BALLOU & CO., INC., Providence, R. I.
Filed September 17, 1923. Serial No. 185,857. PUBLISHED MARCH 17, 1925.

198,976. OINTMENTS AND CREAMS FOR EXTERNAL SORES AND ECZEMA AND OTHER SKIN TROUBLES. FRANK NICOTRA, doing business as The Artocin Cream Chemical Co., New York, N. Y.
Filed October 3, 1923. Serial No. 186,522. PUBLISHED MARCH 17, 1925.

198,977. CANNED FRUITS, CANNED VEGETABLES, DRIED FRUITS, AND CANNED FISH. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 16, 1923. Serial No. 187,054. PUBLISHED AUGUST 19, 1924.

198,978. CANNED GOODS—NAMELY, CANNED FRUITS, CANNED BERRIES, CANNED VEGETABLES, CANNED FISH, CHILI SAUCE, CATCHUP, HOMINY, SAUERKRAUT, BEANS WITH PORK, ASSORTED FRUITS FOR SALAD, TUNNY FISH, AND LOBSTER. HAAS-LIEBES GROCERY COMPANY, St. Louis, Mo.
Filed October 25, 1923. Serial No. 187,460. PUBLISHED MARCH 17, 1925.

198,979. RADIO APPARATUS. MORRIS KLOSNER, New York, N. Y.
Filed October 27, 1923. Serial No. 187,581. PUBLISHED MARCH 3, 1925.

198,980. A PARTICULAR QUALITY OF COTTON DUCK. LUTHER O. DRAPER, doing business as Luther O. Draper Shade Company, Spiceland, Ind.
Filed November 28, 1923. Serial No. 188,992. PUBLISHED MARCH 25, 1924.

198,981. BREAD. DEPENDABLE BAKERS ASSOCIATED, Brooklyn, N. Y.
Filed December 7, 1923. Serial No. 189,354. PUBLISHED FEBRUARY 19, 1924.

198,982. PORCELAIN KNOBS, SPLIT KNOBS, CLEATS, TUBES, BUSHINGS, SECONDARY RACK INSULATORS, STRAIN INSULATORS, RADIO INSULATORS, AND POLE LINE INSULATORS, BOTH HIGH TENSION AND LOW TENSION. ILLINOIS ELECTRIC PORCELAIN COMPANY, Macomb, Ill.
Filed December 11, 1923. Serial No. 189,504. PUBLISHED MARCH 10, 1925.

198,983. ANILINE DYE SOLUBLE IN WATER, EMPLOYED AS BLUING. SANDS & ROSS, INC., New York, N. Y.
Filed December 15, 1923. Serial No. 189,735. PUBLISHED MARCH 10, 1925.

198,984. TOILET CREAMS, TOILET WATERS, PERFUMES, FACE POWDERS, AND ROUGES. SIMON S. LEVY, doing business as La Fleur Laboratories, Cleveland, Ohio.
Filed December 20, 1923. Serial No. 189,940. PUBLISHED MARCH 3, 1925.

198,985. A PREPARATION EMPLOYED IN THE TREATMENT OF AUTOXEMIA, PERISTALTIC STASIS, AND DEFECTIVE METABOLISM. CLAUDE ROBERT WOOLLAMS, Auckland, New Zealand, assignor to Fremont Natural Products Limited, Auckland, New Zealand.
Filed December 26, 1923. Serial No. 190,141. PUBLISHED MARCH 3, 1925.

198,986. PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. BIANCHINI FÉRIER, Lyon, France.
Filed June 8, 1924. Serial No. 197,986. PUBLISHED MARCH 17, 1925.

198,987. RESISTORS OF THE TYPE USED WITH RADIO APPARATUS. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed December 1, 1924. Serial No. 206,051. PUBLISHED MARCH 10, 1925.

198,988. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed September 2, 1924. Serial No. 202,110. PUBLISHED DECEMBER 2, 1924.

198,989. TALKING MACHINES, SOUND BOXES, TONE ARMS, HORNS, DRIVE MECHANISM FOR TALKING MACHINES, NEEDLES, AND REGULATORS. POLYPHONWERKE AKTIENGESELLSCHAFT, Berlin, Germany.
Filed August 28, 1924. Serial No. 201,978. PUBLISHED MARCH 10, 1925.

198,990. SEMISOLID CANDY LAXATIVE, A PHARMACEUTICAL PREPARATION FOR INTERNAL USE AS A LAXATIVE. ALEX SZABO, New York, N. Y.
Filed August 28, 1924. Serial No. 201,822. PUBLISHED MARCH 3, 1925.

198,991. MANUFACTURES FROM ASBESTOS AND/OR CEMENT—NAMELY, SHEETS, TILES, AND PLATES FOR BUILDING; ARTICLES FOR BUILDING OR DECORATION, DRAIN PIPES, PAVING MATERIAL, PLASTER, ROAD-MAKING MATERIALS, AND ARTIFICIAL STONE. ETERNIT PIETRA ARTIFICIALE (LONDON) LIMITED, London, England.
Filed August 23, 1924. Serial No. 201,803. PUBLISHED FEBRUARY 3, 1925.

198,992. MEDICINE FOR PHTHISIS. DANSK CHEMO-THERAPEUTISK SELSKAB VED FRED. ANDERSEN, I. SIEBRITZ & H. WEITZMANN, Copenhagen, Denmark.
Filed August 22, 1924. Serial No. 201,745. PUBLISHED MARCH 10, 1925.

198,993. LINIMENTS, COUGH SIRUP, NERVE TONIC, DIGESTINE; DIGESTINE BEING ELIXIR OF LACTICATED PEPSIN IN A SOLUTION RENDERED PALATABLE BY ADDITION OF AROMATICS, IS A DIGESTIVE TONIC AND AN ANTI-DYSPEPTIC IN ALL CASES OF INDIGESTION; MOTHERS PRESCRIPTION; "MOTHERS PRESCRIPTION" IS A REMEDY FOR DISEASES PECULIAR TO WOMEN, IRREGULARITIES, WHITES, INFLAMMATION AND FALLING OF THE WOMB; KIDNEY TABLETS, LIVER TABLETS, BEAUTY CREAM, AND DIGESTIVE TABLETS. DIXIE MEDICINE COMPANY, Charlotte, N. C.
Filed August 5, 1924. Serial No. 200,985. PUBLISHED MARCH 10, 1925.

198,994. COTTON DRAPERIES. ELMS & SELLON, INC., New York, N. Y.
Filed July 31, 1924. Serial No. 200,757. PUBLISHED MARCH 10, 1925.

198,995. COTTON DRAPERIES. ELMS & SELLON, INC., New York, N. Y.
Filed July 31, 1924. Serial No. 200,756. PUBLISHED MARCH 10, 1925.

198,996. COTTON DRAPERIES. ELMS & SELLON, INC., New York, N. Y.
Filed July 31, 1924. Serial No. 200,755. PUBLISHED MARCH 10, 1925.

198,997. MEDICINAL OINTMENT USED FOR BURNS, CHAPS, CUTS, SCALDS, AND THE LIKE. ALBERT CARBY, doing business as Yeracol Chemical Company, Portland, Oreg.
Filed July 29, 1924. Serial No. 200,669. PUBLISHED MARCH 17, 1925.

198,998. FACE CREAMS, INCLUDING DAY CREAM, NIGHT CREAM, AND SUNBURN CREAM; CORN REMEDY, COLD CAPSULES, HAIR POMADE, BALSAM FOR LUNGS, TOOTHACHE DROPS; TABLETS FOR THE RELIEF OF HEADACHE, COLDS, GRIPPE, NEURALGIA, AND PAINS OF RHEUMATIC ORIGIN; HEADACHE POWDERS, PERFUME, TOILET WATER, AND COLD CREAM. JOSEPH G. BODE, Jr., doing business as Honeydew Laboratories, New Brunswick, N. J.
Filed July 28, 1924. Serial No. 200,609. PUBLISHED MARCH 10, 1925.

198,999. RADIO RECEIVING SETS. JOHN G. UTZ, Detroit, Mich.
Filed July 12, 1924. Serial No. 199,961. PUBLISHED MARCH 3, 1925.

199,000. FOOT BALM, ANTISEPTIC FOOT POWDER, BROMIDROSIS REMEDY, CHILBLAIN LOTION, LINIMENT FOR THE FEET, WENAL OINTMENT (AN ANALGESIC OINTMENT, ALSO USED FOR THE RELIEF OF PAINFUL JOINTS), LIQUID CORN REMEDIES, BUNION LOTION, CORN SALVE, BUNION SALVE, AND CALLOUS SALVE. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,252. PUBLISHED MARCH 10, 1925.

199,001. EPITHELIAL PROLIFERANT. W. J. DUNNE, doing business as The D. & S. Laboratories, Edinburgh, Scotland.
Filed June 20, 1924. Serial No. 198,848. PUBLISHED DECEMBER 16, 1924.

199,002. ANTISEPTIC EPITHELIAL PROLIFERANT. W. J. DUNNE, doing business as The D. & S. Laboratories, Edinburgh, Scotland.
Filed June 20, 1924. Serial No. 198,847. PUBLISHED DECEMBER 16, 1924.

199,003. CERTAIN NAMED CHEMICAL PRODUCTS. KALLE AND COMPANY, AKTIENGESELLSCHAFT, Biebrich on the Rhine, Germany.
Filed June 18, 1924. Serial No. 198,749. PUBLISHED MARCH 10, 1925.

199,004. PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. BIANCHINI FÉRIER, Lyon, France.
Filed June 3, 1924. Serial No. 197,987. PUBLISHED MARCH 17, 1925.

199,005. KNITTED AND WOVEN WEARING APPAREL FOR MEN, WOMEN, AND CHILDREN—NAMELY, UNDERWEAR, HOSIERY, SWEATERS, AND BATHING SUITS. DR. JAEGER'S SANITARY WOOLEN SYSTEM CO., now by change of name The Jaeger Company, Inc., New York, N. Y.
Filed May 16, 1924. Serial No. 197,152. PUBLISHED MARCH 17, 1925.

199,006. MINERAL OIL FOR CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PURPOSES. STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J.
Filed June 24, 1924. Serial No. 199,093. PUBLISHED MARCH 17, 1925.

199,007. HOSIERY; UNDERWEAR OF KNITTED AND TEXTILE FABRICS FOR MEN, WOMEN, AND CHILDREN; AND SWEATERS. VLADIMIR WULFSON, New York, N. Y.
Filed November 26, 1924. Serial No. 205,895. PUBLISHED MARCH 17, 1925.

199,008. CHEMICAL COMPOSITION FOR USE IN CURLING HAIR. IVA L. HUTTON, Fort Worth, Tex.
Filed November 24, 1924. Serial No. 205,757. PUBLISHED MARCH 10, 1925.

199,009. RADIO APPARATUS—NAMELY, HORNS AND LOUD SPEAKERS. BELLTONE RADIO CORPORATION, New York, N. Y.
Filed November 24, 1924. Serial No. 205,734. PUBLISHED MARCH 3, 1925.

199,010. CERTAIN TOILET PREPARATIONS. BENNO JANKEL, doing business as Jankel Parfumeur, New York, N. Y.
Filed November 22, 1924. Serial No. 205,697. PUBLISHED MARCH 17, 1925.

199,011. RECTIFIER TUBES. RADER APPLIANCE CO., INC., New York, N. Y., and West New York, N. J.
Filed November 21, 1924. Serial No. 205,665. PUBLISHED MARCH 3, 1925.

199,012. MEDICINE FOR THE TREATMENT OF KIDNEY OR BLADDER TROUBLE. E. H. SMITH, Quitman, Ga.
Filed November 20, 1924. Serial No. 205,614. PUBLISHED MARCH 17, 1925.

199,013. A PREPARATION FOR THE TREATMENT OF RHEUMATISM, NEURALGIA, NERVOUS AND MALARIOUS COMPLAINTS, AND SIMILAR AILMENTS. RADWAY & COMPANY, New York, N. Y.
Filed November 19, 1924. Serial No. 205,549. PUBLISHED MARCH 17, 1925.

199,014. COMBINED PLUG AND SOCKET MADE OF METAL FOR USE IN ELECTRICAL WORK AS A CONTACT OR TERMINAL. AUTOVEYORS LIMITED, Westminster, England.
Filed November 19, 1924. Serial No. 205,508. PUBLISHED MARCH 17, 1925.

199,015. CERTAIN TABLE AND FURNITURE LINENS. CAMPBELL, METZGER & JACOBSON, New York, N. Y.
Filed November 14, 1924. Serial No. 205,264. PUBLISHED MARCH 24, 1925.

199,016. A CARD GAME PLAYED WITH DISK COUNTERS TERMED CLAIM CARDS. WM. TAKUMA SETO, New York, N. Y.
Filed November 13, 1924. Serial No. 205,233. PUBLISHED MARCH 24, 1925.

199,017. ELECTRICAL FITTINGS, RECEPTACLES, AND PARTS THEREOF. ERIE MALLEABLE IRON COMPANY, Erie, Pa.
Filed November 13, 1924. Serial No. 205,204. PUBLISHED MARCH 17, 1925.

199,018. WATCHES, WATCHCASES, WATCH DIALS, WATCH MOVEMENTS, AND ALARM CLOCKS. EMIL GISIGER, doing business as Times Watch Co., Biel, Switzerland, and New York, N. Y.
Filed November 12, 1924. Serial No. 205,163. PUBLISHED MARCH 17, 1925.

199,019. PREPARED ROUGE, A PREPARATION USED TO ADD COLOR TO THE COMPLEXION. JAMES R. COLE, doing business as Cole Specialty Co., Indianapolis, Ind.
Filed November 12, 1924. Serial No. 205,149. PUBLISHED MARCH 10, 1925.

199,020. FABRIC CONSTRUCTED OF SILK AND ARTIFICIAL SILK IN THE PIECE. J. A. MIGEL, INC., North Bergen, N. J., and New York, N. Y.
Filed November 8, 1924. Serial No. 205,019. PUBLISHED MARCH 24, 1925.

199,021. FIBER-SILK JERSEY CLOTH IN THE PIECE. M. I. HALPERIN, Brooklyn, N. Y.
Filed November 6, 1924. Serial No. 204,907. PUBLISHED MARCH 24, 1925.

199,022. CERTAIN NAMED CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS. E. FOUGERA & CO., INC., New York, N. Y.
Filed November 6, 1924. Serial No. 204,900. PUBLISHED MARCH 17, 1925.

199,023. SHEET-METAL ELBOWS FOR HOT-AIR DISTRIBUTION. THE EXCELSIOR STEEL FURNACE COMPANY, Chicago, Ill.
Filed November 3, 1924. Serial No. 204,763. PUBLISHED JANUARY 13, 1925.

199,024. CASEIN PLASTIC. KAROLITH CORPORATION, Long Island City, N. Y.
Filed November 1, 1924. Serial No. 204,711. PUBLISHED MARCH 17, 1925.

199,025. HOSIERY. GUITERMAN BROS., INC., St. Paul, Minn.
Filed November 1, 1924. Serial No. 204,707. PUBLISHED MARCH 17, 1925.

199,026. PERFUMES AND HYGIENIC PRODUCTS—NAMELY, BATH SALTS, ASTRINGENTS, COLD CREAMS, COMPACTS, FACE PACKS, SHAMPOOS, SKIN CREAMS, TALCUM POWDERS, EYEDROPS, TOILET WATERS, SMELLING SALTS, AROMATIC VINEGARS, FACE POWDERS, ROUGES, SKIN BLEACHES, LIP STICKS, EYEBROW PENCILS, BEAUTY CLAY, VANISHING CREAMS, SACHETS, FACIAL PAINTS, AND HAIR, FACE, HAND, AND FOOT LOTIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed September 9, 1924. Serial No. 202,420. PUBLISHED MARCH 17, 1925.

199,027. ELECTRIC AIR HEATERS. THE MAGNAVOX CO., Oakland, Calif.
Filed September 2, 1924. Serial No. 202,131. PUBLISHED MARCH 3, 1925.

199,028. RADIO RECEIVING SETS AND PARTS THEREOF. COLONIAL RADIO CORPORATION, New York, N. Y.
Filed September 17, 1924. Serial No. 202,691. PUBLISHED MARCH 10, 1925.

199,029. RADIO RECEIVING SETS AND PARTS THEREOF. COLONIAL RADIO CORPORATION, New York, N. Y.
Filed September 17, 1924. Serial No. 202,692. PUBLISHED MARCH 10, 1925.

199,030. HOSIERY, SHOES, AND SLIPPERS OF RUBBER, LEATHER, FABRIC, OR COMBINATIONS OF THESE MATERIALS. JULIUS KLAUSNER, New York, N. Y.
Filed September 20, 1924. Serial No. 202,811. PUBLISHED MARCH 10, 1925.

199,031. MEDICINE FOR CONSUMPTION OR TUBERCULOSIS. CHARLES KNICKERBOCKER, Ely, Nev.
Filed October 6, 1924. Serial No. 203,474. PUBLISHED MARCH 10, 1925.

199,032. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. PERTH AMBOY BOTTLING COMPANY, Perth Amboy, N. J.
Filed October 6, 1924. Serial No. 203,485. PUBLISHED MARCH 24, 1925.

199,033. ELECTRICAL FILTERS AND COMBINED ELECTRICAL FILTERS AND RECTIFIERS FOR ADAPTING CURRENT SUPPLIED BY A LIGHT OR POWER CIRCUIT FOR USE IN RADIO APPARATUS BY REMOVING PULSATIONS FROM SAID CURRENTS. DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y.
Filed October 8, 1924. Serial No. 203,562. PUBLISHED MARCH 3, 1925.

199,034. MEDICINAL COUGH CANDY. JOHN HORN, New York, N. Y.
Filed October 9, 1924. Serial No. 203,630. PUBLISHED MARCH 17, 1925.

199,035. RADIO SETS. EMANUEL SINGER, doing business as E. Singer Co., New York, N. Y.
Filed October 9, 1924. Serial No. 203,652. PUBLISHED JANUARY 20, 1925.

199,036. RADIO RECEIVING MACHINE. CHESTER D. TANNER, doing business as Chester D. Tanner Co., Los Angeles, Calif.
Filed October 13, 1924. Serial No. 203,848. PUBLISHED MARCH 10, 1925.

199,037. [WITHDRAWN.]

199,038. CLOTHING CONSISTING OF BOYS', YOUNG MEN'S, MEN'S, GIRLS', YOUNG LADIES', AND LADIES' PANTS, TROUSERS, VESTS, COATS, OVERCOATS, RAINCOATS, RIDING SUITS, CLOAKS, CAPES; SHIRTS FOR DRESS, NEGLIGEE, OR WORK; ALSO SILK WOVEN OR KNIT UNDERGARMENTS, SHIRT WAISTS, SOCKS, STOCKINGS, SHOES, SLIPPERS; BOOTS, MADE FROM LEATHER, FABRIC, OR RUBBER. PLAUT JR.-WEAR COMPANY, Cincinnati, Ohio.
Filed October 17, 1924. Serial No. 204,048. PUBLISHED MARCH 17, 1925.

199,039. SHEET-METAL RECEPTACLES. CHARLES L. CAMPBELL, doing business as Wes-Co Blower and Pipe Company, Oakland, Calif.
Filed October 21, 1924. Serial No. 204,217. PUBLISHED MARCH 24, 1925.

199,040. SALVE FOR CORNS AND CALLI. NETTIE R. SHIPLEY, Waldorf, Md.
Filed October 22, 1924. Serial No. 204,282. PUBLISHED MARCH 17, 1925.

199,041. COTTON PIECE GOODS. FRED BUTTERFIELD & CO. INC., New York, N. Y.
Filed October 23, 1924. Serial No. 204,302. PUBLISHED MARCH 10, 1925.

199,042. COTTON PIECE GOODS. FRED BUTTERFIELD & CO. INC., New York, N. Y.
Filed October 23, 1924. Serial No. 204,303. PUBLISHED MARCH 10, 1925.

199,043. BOOTS AND SHOES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF; NEGLIGEE AND UNDER SHIRTS; HATS, CAPS, AND WOOLEN HELMETS FOR MEN, WOMEN, AND CHILDREN; BELTS FOR PERSONAL WEAR; SWEATERS, COATS, AND JACKETS FOR MEN, WOMEN, AND CHILDREN; BLAZERS, JUMPERS, CARDIGANS, TROUSERS, BREECHES, STOCKINGS, SOCKS, GLOVES MADE OF LEATHER, RUBBER, FABRIC, OR COMBINATIONS THEREOF; CLOAKS, WOOLEN SHAWLS, LAP ROBES, AND SCARFS; UNDERCLOTHING MADE OF KNITTED OR TEXTILE FABRIC, PUTTIES, LEGGINGS, AND TIES. FORTNUM & MASON, LTD., London, England.
Filed October 24, 1924. Serial No. 204,361. PUBLISHED MARCH 17, 1925.

199,044. ELECTRICAL CONTROL FOR MOTOR-VEHICLE HORNS. WILLEY-NOYES MANUFACTURING COMPANY, Somerville, Mass.
Filed October 24, 1924. Serial No. 204,383. PUBLISHED MARCH 3, 1925.

199,045. CARBONATED BEVERAGES—NAMELY, GINGER ALE, ORANGE, STRAWBERRY, LEMON, SARSAPARILLA, CREAM SODA, ROOT BEER, BIRCH BEER. MORRIS I. KATZ, doing business as Country Club Beverage Company, Springfield, Mass.
Filed October 28, 1924. Serial No. 204,512. PUBLISHED MARCH 24, 1925.

199,046. RADIO SUPPLIES—NAMELY, CONDENSERS. THE FORBESTOS CO., New York, N. Y.
Filed December 29, 1923. Serial No. 190,250. PUBLISHED MARCH 17, 1925.

199,047. ELECTRIC HAIR DRIERS. THE WM. MEYER COMPANY, Chicago, Ill.
Filed January 4, 1924. Serial No. 190,422. PUBLISHED MARCH 17, 1925.

199,048. RADIO RECEIVING SETS, LOUD SPEAKERS, AND HORNS FOR USE IN RADIO RECEIVING. SONORA PHONOGRAPH COMPANY, INC., New York, N. Y.
Filed January 14, 1924. Serial No. 190,818. PUBLISHED MARCH 17, 1925.

199,049. BREAD, CAKES, AND PIES. EDWARD J. DERST, doing business as Derst Bakery, Savannah, Ga.
Filed January 17, 1924. Serial No. 190,915. PUBLISHED APRIL 8, 1924.

199,050. JUVENILE VEHICLES—NAMELY, BICYCLES, TRICYCLES, VELOCIPEDES, WAGONS, CARTS, AND COASTERS. THE STERLING MACHINE & STAMPING COMPANY, Wellington, Ohio.
Filed January 17, 1924. Serial No. 190,943. PUBLISHED MARCH 24, 1925.

199,051. SHIRTINGS OF COTTON, SILK, WOOL, AND MIXTURES OF SAME. MASON & BUTLER, New York, N. Y.
Filed January 18, 1924. Serial No. 190,972. PUBLISHED MARCH 17, 1925.

199,052. COTTON CLOTH PIECE GOODS. BEAR MILL MANUFACTURING COMPANY, INC., New York, N. Y.
Filed January 19, 1924. Serial No. 190,997. PUBLISHED MARCH 17, 1925.

199,053. COMPLETE RADIO RECEIVING SETS. ELLIS L. LEVIN, doing business as Elvin Radio Company, Philadelphia, Pa.
Filed January 28, 1924. Serial No. 191,387. PUBLISHED MAY 6, 1924.

199,054. MEDICINAL OINTMENTS FOR TREATMENT OF ERYSIPELAS, PILES, AND ITCH. JENNIE BEHRE, East Spencer, N. C.
Filed February 26, 1924. Serial No. 192,814. PUBLISHED MARCH 10, 1925.

199,055. LOUD SPEAKERS. BURNDEPT LIMITED, London, England.
Filed February 29, 1924. Serial No. 193,029. PUBLISHED MARCH 10, 1925.

199,056. RADIO TUNING COILS AND COUPLERS. PRECISION COIL CO., INC., New York, N. Y.
Filed March 1, 1924. Serial No. 193,122. PUBLISHED MARCH 10, 1925.

199,057. CURLING FLUID, DEPILATORY, HAIR WHITENER, CUTICLE COMPOUND, HAND LOTION, ASTRINGENT, FRECKLE LOTION, AND HAIR-WAVING FLUID. GUILMONT & PETERS, Chicago, Ill.
Filed March 15, 1924. Serial No. 193,827. PUBLISHED MARCH 17, 1925.

199,058. ROLLER-BEARING COASTER WAGONS. LEWIS-GEER MFG. COMPANY, Ypsilanti, Mich.
Filed March 17, 1924. Serial No. 193,933. PUBLISHED MARCH 24, 1925.

199,059. RADIO ELECTRICAL APPLIANCES—NAMELY, TRANSFORMERS, OSCILLATORS, TUNING UNITS CONSISTING OF COILS, VARIOMETER, OR VARIOCOUPLER, AND VARIABLE CONDENSERS, RHEOSTATS, POTENTIOMETERS, SOCKETS, JACKS, DIALS, RADIO RECEIVING SETS, AND COMPONENT PARTS THEREOF. ELECTRICAL RESEARCH LABORATORIES, Chicago, Ill.
Filed March 18, 1924. Serial No. 193,996. PUBLISHED JULY 8, 1924.

199,060. IRONING TABLES. RID-JID PRODUCTS CORPORATION, Chicago, Ill.
Filed March 28, 1924. Serial No. 194,621. PUBLISHED MARCH 17, 1925.

199,061. PERSPIRATION POWDER. MARIANO ARMENTEROS, doing business as Imperial Powder Co., Ybor City, Tampa, Fla.
Filed April 22, 1924. Serial No. 195,937. PUBLISHED MARCH 10, 1925.

199,062. CANNED VEGETABLES, CANNED FRUITS, CANNED BERRIES, BUTTER, CHEESE, EGGS, WHEAT FLOUR, MACARONI, SPAGHETTI, BREAKFAST CEREALS, BARLEY, TAPIOCA, LARD, PEANUT BUTTER, MINCEMEAT, MOLASSES, VINEGAR, CATCHUP, CHILI SAUCE, FOOD-FLAVORING EXTRACTS, OLIVES, TEA, COFFEE, COCOA, DRIED BEEF, BACON, CANNED FISH, SALT FISH, DRIED PRUNES, POTATOES, FRESH DECIDUOUS FRUITS, MARMALADE, FRUIT PRESERVES, BERRY PRESERVES, JELLIES, ICE CREAM, AND CANDY. JOHN T. CONNOR COMPANY, Boston, Mass.
Filed May 2, 1924. Serial No. 196,439. PUBLISHED MARCH 17, 1925.

199,063. SHAMPOOS AND RUBBING ALCOHOL. BENJAMIN JACOBSON, doing business as Lexington Products Co., Brooklyn, N. Y.
Filed May 2, 1924. Serial No. 196,460. PUBLISHED JULY 22, 1924.

199,064. DISTRIBUTOR ON THE IGNITION SYSTEM FOR INTERNAL-COMBUSTION ENGINES AND SOCKETS AND DIALS FOR RADIO APPARATUS. NORTHERN INDUSTRIAL CHEMICAL COMPANY, doing business also as Bell Mfg. Co., Boston, Mass.
Filed May 5, 1924. Serial No. 196,615. PUBLISHED MARCH 10, 1925.

199,065. CERTAIN TOILET PREPARATIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed May 13, 1924. Serial No. 196,977. PUBLISHED MARCH 10, 1925.

199,066. MEN'S TROUSERS. JOSEPH H. MAIMON, doing business as Maimon Pants Company, Chicago, Ill.
Filed December 18, 1924. Serial No. 206,908. PUBLISHED MARCH 17, 1925.

199,067. STEEL SPLIT PULLEYS. DODGE MANUFACTURING CORPORATION, Mishawaka, Ind., and Oneida, N. Y.
Filed December 18, 1924. Serial No. 206,885. PUBLICATION WAIVED.

199,068. SPRING WATER. HIRAM RICKER & SONS, South Poland, Me.
Filed December 16, 1924. Serial No. 206,805. PUBLISHED MARCH 24, 1925.

199,069. ANTISEPTIC, ASTRINGENT, AND DEODORANT. LOUIS IRVING WEINER, doing business as Tablax Company, New York, N. Y.
Filed December 13, 1924. Serial No. 206,704. PUBLISHED MARCH 17, 1925.

199,070. ELECTRIC APPLIANCES, PARTICULARLY RADIATORS, SPACE HEATERS, WATER HEATERS, TOASTERS, GRILLS, PERCOLATORS, SOLDERING IRONS, MARCELLING IRONS, PANCAKE GRIDDLES, AND WAFFLE IRONS. RUSSELL ELECTRIC COMPANY, Chicago, Ill.
Filed December 13, 1924. Serial No. 206,695. PUBLISHED MARCH 17, 1925.

199,071. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. HIPP. DIDISHEIM CO., INC., New York, N. Y.
Filed December 11, 1924. Serial No. 206,576. PUBLISHED MARCH 17, 1925.

199,072. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. HIPP. DIDISHEIM CO., INC., New York, N. Y.
Filed December 11, 1924. Serial No. 206,575. PUBLISHED MARCH 17, 1925.

199,073. CROSS-WORD CARD GAME. THE MODERN GAMES COMPANY, Bay City, Mich.
Filed December 10, 1924. Serial No. 206,536. PUBLISHED MARCH 24, 1925.

199,074. OVERALLS, WORK PANTS, AND ONE-PIECE WORK SUITS. W. E. LIPSHUTZ, doing business as Monarch Overall Mfg. Company, Atlanta, Ga.
Filed December 10, 1924. Serial No. 206,535. PUBLISHED FEBRUARY 3, 1925.

199,075. MEDICINE FOR EXTERNAL USE IN TREATING COLDS AND CATARRH. SAMUEL BOOKSTABER, doing business as Noseline Laboratory, Astoria, N. Y.
Filed December 10, 1924. Serial No. 206,512. PUBLISHED MARCH 10, 1925.

199,076. HOSIERY AND SWEATERS. ARKANSAS DRY GOODS CO., Batesville, Ark.
Filed December 10, 1924. Serial No. 206,505. PUBLISHED MARCH 17, 1925.

199,077. ELECTRIC INSULATORS AND LIGHTNING ARRESTERS. TRENTON PORCELAIN COMPANY, Trenton, N. J., assignor to Circle F. Mfg. Co. Trenton, N. J., a Corporation of New Jersey.
Filed December 8, 1924. Serial No. 206,445. PUBLISHED MARCH 10, 1925.

199,078. MATERIAL FOR PROMOTING FERMENTATION AND GAS EXPANSION IN BREAD OR LIKE DOUGH. NAPIONER BAKING COMPANY, Kansas City, Mo.
Filed December 6, 1924. Serial No. 206,363. PUBLISHED MARCH 17, 1925.

199,079. INDUCTANCE COILS. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed December 5, 1924. Serial No. 206,295. PUBLISHED MARCH 17, 1925.

199,080. INDUCTANCE COILS. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed December 5, 1924. Serial No. 206,294. PUBLISHED MARCH 17, 1925.

199,081. MECHANICAL SOUND AMPLIFIERS, HORNS, AND LOUD SPEAKERS FOR USE WITH RADIO APPARATUS. DIAMOND EXPANSION BOLT CO., New York, N. Y.
Filed December 5, 1924. Serial No. 206,283. PUBLISHED MARCH 10, 1925.

199,082. RUBBER TOY BALLOONS, CLOTH-COVERED AND LEATHER-COVERED PLAY BALLS, HOLLOW AND SOLID RUBBER PLAY BALLS, AND RUBBER TOY DAGGERS. THE BARR RUBBER PRODUCTS COMPANY, Sandusky, Ohio.
Filed December 5, 1924. Serial No. 206,273. PUBLISHED MARCH 24, 1925.

199,083. MEDICINE TO PREVENT ABORTION IN ANIMALS. HENRY M. MILLER, Roscoe, N. Y.
Filed December 4, 1924. Serial No. 206,254. PUBLISHED MARCH 17, 1925.

199,084. LEATHER AND FABRIC BOOTS AND SHOES. GROUND GRIPPER SHOE CO., INC., New York, N. Y., and Boston, Mass.
Filed December 4, 1924. Serial No. 206,238. PUBLISHED FEBRUARY 17, 1925.

199,085. MEN'S AND BOYS' NEGLIGÉE, DRESS, AND WORK SHIRTS, NIGHTGOWNS, PYJAMAS, KNITTED AND TEXTILE FABRIC ATHLETIC UNDERWEAR, AND OVERALLS; BOYS' BLOUSE WAISTS, AND BOYS' PLAY SUITS. RICE-STIX DRY GOODS COMPANY, St. Louis, Mo.
Filed December 3, 1924. Serial No. 206,189. PUBLISHED MARCH 17, 1925.

199,086. MOVING-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,498. PUBLISHED MARCH 17, 1925.

199,087. MOVING-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,499. PUBLISHED MARCH 17, 1925.

199,088. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. HENRY C. SEXTON, doing business as Big Dixie Bottling Works, Macon, Ga.
Filed December 31, 1924. Serial No. 207,529. PUBLISHED MARCH 24, 1925.

199,089. HOTEL CHINA. THE ALLIANCE VITREOUS CHINA COMPANY, Alliance, Ohio.
Filed January 2, 1925. Serial No. 207,543. PUBLISHED MARCH 10, 1925.

199,090. STEAM AND POWER PUMPS AND PUMPING MACHINERY AND PARTS THEREOF. AMERICAN STEAM PUMP COMPANY, Battle Creek, Mich.
Filed January 5, 1925. Serial No. 207,644. PUBLISHED MARCH 17, 1925.

199,091. FAT REDUCER. ELIZABETH BAJANOVA, New York, N. Y.
Filed January 5, 1925. Serial No. 207,645. PUBLISHED MARCH 17, 1925.

199,092. IGNITION TIMERS FOR INTERNAL-COMBUSTION ENGINES. GLENDALE ENGINEERING CO., Glendale, Calif.
Filed January 5, 1925. Serial No. 207,660. PUBLISHED MARCH 10, 1925.

199,093. TELEPHONE PLUGS. PACENT ELECTRIC COMPANY, INCORPORATED, New York, N. Y.
Filed January 5, 1925. Serial No. 207,672. PUBLISHED MARCH 10, 1925.

199,094. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, PYJAMAS, TEXTILE UNDERWEAR, AND OVERJACKETS (THESE OVERJACKETS ARE KNIT BOTTOM BLOUSES COMMONLY CALLED WIND-BREAKERS, AND GENERALLY MADE OF HEAVY BUFFALO FLANNELS OR PLAID FLANNELS), MADE OF COTTON, LINEN, FLANNEL, WOOL, SILK, ARTIFICIAL SILK, AND OTHER TEXTILES. H. D. BOB COMPANY, INC., New York, N. Y.
Filed January 5, 1925. Serial No. 207,676. PUBLISHED MARCH 17, 1925.

199,095. MENS AND BOYS DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, PYJAMAS, TEXTILE UNDERWEAR, AND OVERJACKETS MADE OF COTTON, LINEN, FLANNEL, WOOL, SILK, ARTIFICIAL SILK, AND OTHER TEXTILES. H. D. BOB COMPANY, INC., New York, N. Y.
Filed January 5, 1925. Serial No. 207,678. PUBLISHED MARCH 17, 1925.

199,096. WOOD MINNOWS. THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio.
Filed January 6, 1925. Serial No. 207,726. PUBLISHED MARCH 24, 1925.

199,097. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRIC, FOR WOMEN. KOPS BROS. INC., New York, N. Y.
Filed January 6, 1925. Serial No. 207,746. PUBLISHED MARCH 17, 1925.

199,098. ANTISEPTIC CONES. BENJAMIN F. MICHAEL, doing business as Mijo Remedy Company, Scranton, Pa.
Filed January 6, 1925. Serial No. 207,751. PUBLISHED MARCH 10, 1925.

199,099. WASHABLE TEXTILE RUGS. CARTER BROS. MATTRESS COMPANY, Chattanooga, Tenn., assignor to Carter Brothers, Chattanooga, Tenn., a Firm composed of August J. Carter and Peyton L. Carter.
Filed January 7, 1925. Serial No. 207,779. PUBLISHED MARCH 24, 1925.

199,100. WORK OR NEGLIGEE OVERSHIRTS OR "STAG" SHIRTS OF FLANNEL, CHAMBRAY, OR THE LIKE, HAVING KNITTED WAISTBANDS AT THE BOTTOM. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed January 8, 1925. Serial No. 207,826. PUBLISHED MARCH 17, 1925.

199,101. WORK OR NEGLIGEE OVERSHIRTS OR "STAG" SHIRTS OF FLANNEL, CHAMBRAY, OR THE LIKE, HAVING KNITTED WAISTBANDS AT THE BOTTOM. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed January 8, 1925. Serial No. 207,827. PUBLISHED MARCH 17, 1925.

199,102. PERFUME, TOILET WATER, FACE POWDER, TALCUM POWDER, FACE CREAMS, LOTION FOR THE SKIN AND HAIR, BRILLIANTINE, ROUGES, AND DENTIFRICES. RENÉ DESSEIGNES, Asnieres, France.
Filed January 8, 1925. Serial No. 207,828. PUBLISHED MARCH 10, 1925.

199,103. DETONATING FIREWORK. ESSEX SPECIALTY COMPANY, INC., Berkeley Heights, N. J.
Filed January 9, 1925. Serial No. 207,863. PUBLISHED MARCH 10, 1925.

199,104. NECKTIES. THE GANO-DOWNS COMPANY, Denver, Colo.
Filed January 9, 1925. Serial No. 207,865. PUBLISHED MARCH 17, 1925.

199,105. PHARMACEUTICAL PREPARATION PARTICULARLY APPLICABLE AS AN ANALGESIC AND A SEDATIVE. SOCIETY OF CHEMICAL INDUSTRY IN BASLE, Basel, Switzerland.
Filed January 9, 1925. Serial No. 207,892. PUBLISHED MARCH 10, 1925.

199,106. MOVING-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,495. PUBLISHED MARCH 17, 1925.

199,107. MOVING-PICTURE FILMS. FOX FILM CORPORATION, New York, N. Y.
Filed December 31, 1924. Serial No. 207,497. PUBLISHED MARCH 17, 1925.

199,108. LIQUID BLUING. LUTHER FORD & COMPANY, Minneapolis, Minn.
Filed December 30, 1924. Serial No. 207,465. PUBLISHED MARCH 3, 1925.

199,109. BATTERIES AND BATTERY CHARGERS. THE BULLSEYE BATTERY COMPANY, Dayton, Ohio.
Filed December 29, 1924. Serial No. 207,341. PUBLISHED MARCH 3, 1925.

199,110. BASEBALL BATS. ZINN BECK BAT COMPANY, Greenville, S. C.
Filed December 27, 1924. Serial No. 207,327. PUBLISHED MARCH 24, 1925.

199,111. BASEBALL BATS. ZINN BECK BAT COMPANY, Greenville, S. C.
Filed December 27, 1924. Serial No. 207,326. PUBLISHED MARCH 24, 1925.

199,112. BASEBALL BATS. ZINN BECK BAT COMPANY, Greenville, S. C.
Filed December 27, 1924. Serial No. 207,325. PUBLISHED MARCH 24, 1925.

199,113. TOOTH PASTE, ANTISEPTICS, AND MOUTH WASHES. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed December 27, 1924. Serial No. 207,286. PUBLISHED MARCH 3, 1925.

199,114. TOOTHBRUSHES. AMERICAN CHICLE COMPANY, Long Island City, N. Y.
Filed December 27, 1924. Serial No. 207,285. PUBLISHED MARCH 24, 1925.

199,115. SIRUPS FOR FOOD. B. F. TRAPPEY & SONS, Jeanerette, La.
Filed December 26, 1924. Serial No. 207,272. PUBLISHED MARCH 17, 1925.

199,116. LAWN SPRINKLERS. ECONOMY IRRIGATION COMPANY LIMITED, Victoria, British Columbia, Canada, and Seattle, Wash.
Filed December 24, 1924. Serial No. 207,182. PUBLISHED MARCH 17, 1925.

199,117. WOOLEN GOODS IN THE PIECE AND CUT LENGTHS. S. STEIN & Co., New York, N. Y.
Filed December 23, 1924. Serial No. 207,153. PUBLISHED MARCH 10, 1925.

199,118. MALTED MILK POWDER WITH CHOCOLATE FLAVOR. LYON BROS., Worcester, Mass.
Filed December 23, 1924. Serial No. 207,138. PUBLISHED MARCH 17, 1925.

199,119. LIQUOR FOR IMPREGNATING TEXTILE, WOOD, FIBROUS, AND OTHER MATERIAL. H. S. R. CHEMICAL PRODUCTS, INC., Lynn, Mass.
Filed December 23, 1924. Serial No. 207,134. PUBLISHED MARCH 10, 1925.

199,120. TONIC AND PURGATIVE OIL EMULSIONS. DOUGLAS-PECTIN CORPORATION, Rochester, N. Y.
Filed December 23, 1924. Serial No. 207,123. PUBLISHED MARCH 17, 1925.

199,121. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,045. PUBLISHED MARCH 24, 1925.

199,122. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,043. PUBLISHED MARCH 24, 1925.

199,123. CERTAIN TEXTILE PIECE GOODS. WALTHER MANUFACTURING CO., Philadelphia, Pa.
Filed December 20, 1924. Serial No. 207,042. PUBLISHED MARCH 24, 1925

199,124. RADIOHORNS FOR USE IN RADIO RECEIVING SETS AND MECHANICAL AMPLIFIERS FOR RADIO APPARATUS. SHILAGYI & Co., INC., New York, N. Y., assignor to Morris Grossman, New York, N. Y.
Filed December 20, 1924. Serial No. 207,035. PUBLISHED MARCH 17, 1925.

199,125. HOSIERY. CHARLES BRAND, doing business as Rosenberg and Brand, New York, N. Y.
Filed December 20, 1924. Serial No. 206,992. PUBLISHED MARCH 17, 1925.

199,126. LAWN MOWERS. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed December 15, 1924. Serial No. 206,753. PUBLISHED MARCH 17, 1925.

199,127. LAWN MOWERS. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed December 15, 1924. Serial No. 206,752. PUBLISHED MARCH 17, 1925.

199,128. CONDENSATION PRODUCTS OF PHENOLS AND FORMALDEHYDE. BAKELITE CORPORATION, New York, N. Y.
Filed December 13, 1924. Serial No. 206,652. PUBLISHED MARCH 10, 1925.

199,129. STILTS. WILLIAM S. HASSKARL, Philadelphia, Pa.
Filed December 12, 1924. Serial No. 206,618. PUBLISHED FEBRUARY 24, 1925.

199,130. GRANITE. THE STONY CREEK GRANITE COMPANY, Xenia, Ohio, and Stony Creek, Conn.
Filed December 11, 1924. Serial No. 206,600. PUBLISHED MARCH 3, 1925.

199,131. FUR SKINS. SAMUEL RUBINTON, Brooklyn, N. Y.
Filed December 11, 1924. Serial No. 206,595. PUBLISHED MARCH 3, 1925.

199,132. FUR SKINS. SAMUEL RUBINTON, Brooklyn, N. Y.
Filed December 11, 1924. Serial No. 206,594. PUBLISHED MARCH 3, 1925.

199,133. HYDROMETERS. CHARLES E. LINEBARGER, doing business as The Chemlyn Company, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,583. PUBLISHED MARCH 17, 1925.

199,134. CRUMB SWEEPERS. BERSTED MANUFACTURING COMPANY, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,510. PUBLISHED MARCH 17, 1925.

199,135. PEAT MOSS USED AS POULTRY LITTER, STABLE BEDDING, HOOF STUFFING, AND BY NURSERYMEN, FLORISTS, AND GARDENERS. ATKINS & DURBROW, INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,507. PUBLISHED MARCH 3, 1925.

199,136. PEAT MOSS USED AS POULTRY LITTER, STABLE BEDDING, HOOF STUFFING, AND BY NURSERYMEN, FLORISTS, AND GARDENERS. ATKINS & DURBROW, INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,506. PUBLISHED MARCH 3, 1925.

199,137. FARM MACHINERY AND IMPLEMENTS—VIZ, SILO FILLERS, CORN HARVESTERS, AND POTATO PICKERS. SCHMEICHEL & SCHUBERT MFG. CO., Thiensville, Wis.
Filed December 6, 1924. Serial No. 206,378. PUBLISHED MARCH 24, 1925.

199,138. VEHICLE WHEELS. ACME WORKS, INC., Indianapolis, Ind.
Filed December 6, 1924. Serial No. 206,341. PUBLISHED MARCH 3, 1925.

199,139. PORTABLE METAL BANKS FOR SMALL COINS. VINCENT F. COLEMAN, doing business as V. F. Coleman Co., St. Paul, Minn.
Filed December 4, 1924. Serial No. 206,218. PUBLISHED MARCH 17, 1925.

199,140. SLEEVE FORMS. ARTHUR A. HANSEN, Detroit, Mich.
Filed December 3, 1924. Serial No. 206,166. PUBLISHED MARCH 3, 1925.

199,141. VEHICLE FENDERS OR BUMPERS AND BRACKETS AND OTHER PARTS THEREFOR. UNITED STATES CHAIN & FORGING COMPANY, Pittsburgh, Pa.
Filed November 24, 1924. Serial No. 205,801. PUBLISHED MARCH 17, 1925.

199,142. ALFALFA SEED. IDAHO GRIMM ALFALFA SEED GROWERS ASSOCIATION, INC., Blackfoot, Idaho.
Filed November 20, 1924. Serial No. 205,603. PUBLISHED MARCH 3, 1925.

199,143. AUTOMOBILE MIRRORS. ALEXANDER A. ANSELL, doing business as Specialty Manufacturing Company, Brooklyn, N. Y.
Filed November 19, 1924. Serial No. 205,507. PUBLISHED MARCH 3, 1925.

199,144. FURS. LEOPOLD HERMSDORF, Leipsig, Germany.
Filed November 17, 1924. Serial No. 205,413. PUBLISHED MARCH 17, 1925.

199,145. PRINTING MACHINE. W. L. KNAPTON, doing business as Knapton Mfg. Company, St. Paul, Minn.
Filed November 14, 1924. Serial No. 205,276. PUBLISHED MARCH 24, 1925.

199,146. CERTAIN TEXTILE FABRICS. ORIENTAL SILK PRINTING COMPANY, Haledon, N. J., and New York, N. Y.
Filed February 11, 1925. Serial No. 209,426. PUBLISHED MARCH 24, 1925.

199,147. BRUSHES FOR PAINT, CALCIMINE, VARNISH, DUST, WHITEWASH, PLASTERING, PASTE, PAPER-HANGING, AND SHAVING BRUSHES, AND SWABS FOR FLOORS. SAMUEL M. DELL & Co. INC., Baltimore, Md.
Filed February 7, 1925. Serial No. 209,208. PUBLISHED MARCH 24, 1925.

199,148. FISHING TACKLE—NAMELY, FISHING RODS AND POLES, FISHING REELS, LINES, LEADERS, LEADER BOXES, FISHHOOKS, FLIES, SPOONS, PLUGS, SPINNERS, FISHING-TACKLE BOXES, FLY BOXES, LANDING NETS, PREPARED AND ARTIFICIAL BAITS, AND FISH BUGS. NORMAN E. L. MEANS, doing business as Paul Bunyon, New Hartford, N. Y.
Filed February 2, 1925. Serial No. 208,992. PUBLISHED MARCH 24, 1925.

199,149. PILE FABRICS IN THE PIECE. SIDNEY BLUMENTHAL & Co. INC., New York, N. Y.
Filed February 2, 1925. Serial No. 208,954. PUBLISHED MARCH 24, 1925.

199,150. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed January 31, 1925. Serial No. 208,906. PUBLISHED MARCH 24, 1925.

199,151. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed January 31, 1925. Serial No. 208,904. PUBLISHED MARCH 24, 1925.

199,152. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed January 31, 1925. Serial No. 208,903. PUBLISHED MARCH 24, 1925.

199,153. TOPCOATS. ROSE BROTHERS, New York, N. Y.
Filed January 28, 1925. Serial No. 208,780. PUBLISHED MARCH 17, 1925.

199,154. MEN'S, WOMEN'S, AND CHILDREN'S CAPS, UNDERWEAR, PYJAMAS, NIGHTSHIRTS AND NIGHTGOWNS; NEGLIGEE, DRESS, AND WORK SHIRTS; AND OUTER CLOTHING EMBRACING SUITS, OVERCOATS, COATS, VESTS, TROUSERS, KNICKERBOCKERS, AND PANTS. LION BROTHERS COMPANY, INC., Baltimore, Md.
Filed January 28, 1925. Serial No. 208,767. PUBLISHED MARCH 17, 1925.

199,155. TENNIS RACKETS. NARRAGANSETT MACHINE Co., Pawtucket, R. I.
Filed January 27, 1925. Serial No. 208,715. PUBLISHED MARCH 24, 1925.

199,156. BABY PANTS AND SANITARY BLOOMERS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed January 27, 1925. Serial No. 208,709. PUBLISHED MARCH 17, 1925.

199,157. BURLAP BAGS. RICHARD C. HYLAND, doing business as Hyland Bag Company, San Francisco, Calif.
Filed January 27, 1925. Serial No. 208,707. PUBLISHED MARCH 24, 1925.

199,158. THREADS, YARNS, AND COTTONS FOR EMBROIDERING AND CROCHETING. T. BUETTNER & Co. INC., Chicago, Ill.
Filed January 26, 1925. Serial No. 208,635. PUBLISHED MARCH 17, 1925.

199,159. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co. INC., Troy, N. Y.
Filed January 24, 1925. Serial No. 208,571. PUBLISHED MARCH 17, 1925.

199,160. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & Co. INC., Troy, N. Y.
Filed January 24, 1925. Serial No. 208,570. PUBLISHED MARCH 17, 1925.

199,161. MEN'S, WOMEN'S, AND CHILDREN'S UMBRELLAS. CHARLES F. BERG, Portland, Oreg.
Filed January 24, 1925. Serial No. 208,555. PUBLISHED MARCH 17, 1925.

199,162. BRASSIÈRES, CORSET WAISTS, CORSETS, GIRDLES, COMBINATIONS OF BRASSIÈRES AND CORSETS, LADIES' AND CHILDREN'S TEXTILE-FABRIC UNDERWEAR, CAMISOLES; LADIES' VESTS, CHEMISES, BLOOMERS, STEPINS, PETTICOATS, AND COMBINATION SUITS. AMERICAN LADY CORSET Co., Detroit, Mich.
Filed January 24, 1925. Serial No. 208,547. PUBLISHED MARCH 17, 1925.

199,163. CORSETS, BRASSIÈRES, AND UNDERWEAR OF TEXTILE FABRICS FOR WOMEN. KOPS BROS. INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,526. PUBLISHED MARCH 17, 1925.

199,164. MEN'S TROUSERS. THE HART TROUSER COMPANY, INCORPORATED, Pittsburgh, Pa.
Filed January 23, 1925. Serial No. 208,517. PUBLISHED MARCH 17, 1925.

199,165. HAIR NETS. MORTON A. OPPENHEIMER, doing business as A. E. Oppenheimer & Brother, Philadelphia, Pa.
Filed January 22, 1925. Serial No. 208,477. PUBLISHED MARCH 10, 1925.

199,166. TOOLS, PARTICULARLY RAIL-ANCHOR WRENCHES. CANTON FORGE & AXLE COMPANY, Canton, Ohio.
Filed November 3, 1924. Serial No. 204,756. PUBLISHED MARCH 24, 1925.

199,167. FRUIT-PACKING-HOUSE MACHINERY—NAMELY, HAND TRUCKS AND CLAMP TRUCKS. STEBLER PARKER Co., Riverside, Calif.
Filed October 28, 1924. Serial No. 204,527. PUBLISHED MARCH 3, 1925.

199,168. ICE. SERVICE ICE COMPANY OF PATERSON, INC., Paterson, N. J.
Filed October 16, 1924. Serial No. 203,978. PUBLISHED MARCH 3, 1925.

199,169. COMPOSITION IN THE NATURE OF A SUBSTITUTE FOR PORCELAIN OR EARTHENWARE. THE LOUTHAN MANUFACTURING Co., East Liverpool and Laughlin, Ohio.
Filed October 11, 1924. Serial No. 203,735. PUBLISHED MARCH 3, 1925.

199,170. PROPHYLACTIC RUBBER ARTICLES FOR THE PREVENTION OF CONTAGIOUS DISEASES. LOUIS HILSENBECK, New York, N. Y.
Filed September 30, 1924. Serial No. 203,236. PUBLISHED MARCH 24, 1925.

199,171. ABRASIVE DISKS AND ABRASIVE STRIPS FOR USE BY DENTISTS. PAUL HOPF, doing business as Hopf, Ringleb & Co., Berlin, Germany.
Filed August 23, 1924. Serial No. 201,809. PUBLISHED MARCH 24, 1925.

199,172. CANDY. PURITAN CANDY Co., Milwaukee, Wis.
Filed August 18, 1924. Serial No. 201,578. PUBLISHED MARCH 24, 1925.

199,173. MACHINES FOR MANUFACTURING IN WHOLE OR IN PART WIRE STRAPS USED FOR REENFORCING CARTONS AND PACKAGES IN TRANSPORTATION AND TOOLS USED IN APPLYING SAID STRAPS FOR SERVICE. GRIPLOCK, INC., New York, N. Y.
Filed July 12, 1924. Serial No. 199,939. PUBLISHED MARCH 24, 1925.

199,174. TENTS. JOSEPHINE S. WATERHOUSE, doing business as Waterhouse Manufacturing Co. and as J. S. Waterhouse, Los Angeles, Calif.
Filed April 21, 1924. Serial No. 195,929. PUBLISHED MARCH 3, 1925.

199,175. TIMING GEARS OF FABRIC AND PHENOL CONDENSATION PRODUCTS. DALTON & BALCH, INC., Chicago, Ill.
Filed April 21, 1924. Serial No. 195,870. PUBLISHED MARCH 24, 1925.

199,176. AUTOMOBILE BODIES AND AUTOMOBILE BODY PARTS—NAMELY, TONNEAU STAMPINGS, SEAT STAMPINGS, COWL STAMPINGS, BODY-SIDE STAMPINGS, BODY UNITS, BODY-UNIT ASSEMBLIES, WHEEL FENDERS, BODY SPLASHERS, AUTOMOBILE BODY DOORS, AND AUTOMOBILE BODY ROOFS. EDWARD G. BUDD MANUFACTURING COMPANY, Philadelphia, Pa.
Filed April 15, 1924. Serial No. 195,570. PUBLISHED MARCH 3, 1925.

199,177. OIL-LEVEL INDICATORS, AUTOMATIC PRESSURE GAUGES, AND GAUGE BOBS. THE OIL CONSERVATION ENGINEERING COMPANY, Cleveland, Ohio.
Filed April 8, 1924. Serial No. 195,182. PUBLISHED MARCH 17, 1925.

199,178. EGGS, BUTTER, CHEESE, POTATOES, ONIONS, GREEN VEGETABLES, FRESH CITROUS AND DECIDUOUS FRUIT, AND DRIED FRUIT. KLEIN-SIMPSON FRUIT COMPANY, Los Angeles, Calif.
Filed March 26, 1924. Serial No. 194,453. PUBLISHED SEPTEMBER 16, 1924.

199,179. COAL. O'GARA COAL COMPANY, Chicago, Ill.
Filed March 17, 1924. Serial No. 193,950. PUBLISHED MAY 27, 1924.

199,180. NEGLIGEE AND WORK SHIRTS. BUFFALO SHIRT COMPANY, Buffalo, N. Y.
Filed January 14, 1924. Serial No. 190,763. PUBLISHED MARCH 10, 1925.

199,181. SHIFT-LEVER LOCKS AND STEERING-WHEEL LOCKS. THE TRELER COMPANY OF AMERICA, Wilmington, Del.
Filed January 7, 1924. Serial No. 190,521. PUBLISHED MARCH 24, 1925.

199,182. CANNED FRUITS. HUNT BROTHERS PACKING COMPANY, San Francisco, Calif.
Filed October 25, 1923. Serial No. 187,465. PUBLISHED JULY 8, 1924.

199,183. FABRIC BODIES FOR MOTOR CARS AND OTHER VEHICLES. THE STANDARD TEXTILE PRODUCTS COMPANY, New York, N. Y., and Youngstown, Ohio.
Filed January 30, 1923. Serial No. 175,330. PUBLISHED MARCH 3, 1925.

199,184. FOOD SIRUPS, CANDIES; NUTS, PLAIN, SALTED, AND CANDIED; ORANGES, FRESH, CANDIED, AND PRESERVED; CAKES, PASTRIES, MINCEMEAT, CHEWING GUM, COFFEE, TEA, COCOA; CHOCOLATE, DRINKING AND COOKING. PAULAIS Co., Los Angeles, Calif.
Filed February 13, 1922. Serial No. 159,277. PUBLISHED JULY 22, 1924.

199,185. EXPLOSIVE TORPEDOES AND LUMINOUS FOG SIGNALS OTHER THAN ELECTRIC OR OIL BURNING FOR RAILWAYS. FREDERIC L. WANKLYN, Montreal, Quebec, Canada.
Filed October 4, 1921. Serial No. 153,750. PUBLISHED MARCH 10, 1925.

199,186. CANDIES. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed January 14, 1925. Serial No. 208,115. PUBLISHED MARCH 24, 1925.

199,187. CANDIES. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed January 14, 1925. Serial No. 208,114. PUBLISHED MARCH 24, 1925.

199,188. DEVICE FOR PREVENTING WINDOWS FROM RATTLING. THE SENIA HOLDING CORPORATION, New York, N. Y.
Filed January 14, 1925. Serial No. 208,109. PUBLISHED MARCH 17, 1925.

199,189. LIGHT-SENSITIVE PHOTOGRAPHIC PAPER. EASTMAN KODAK COMPANY, Rochester, N. Y.
Filed January 13, 1925. Serial No. 208,046. PUBLISHED MARCH 24, 1925.

199,190. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. J. H. STRAIT & Co., Bloomington, Calif.
Filed January 12, 1925. Serial No. 208,019. PUBLISHED MARCH 24, 1925.

199,191. TOOLS—NAMELY, SCREW DRIVERS. HAINES MANUFACTURING CORPORATION, Rochester, N. Y.
Filed January 10, 1925. Serial No. 207,933. PUBLISHED MARCH 24, 1925.

199,192. AUTOMOBILES. THE ROLLIN MOTORS COMPANY, Euclid, Ohio.
Filed January 9, 1925. Serial No. 207,888. PUBLISHED MARCH 17, 1925.

199,193. NONREFILLABLE-BOTTLE STOPPER. EDGEWORTH GREENE, New York, N. Y.
Filed January 2, 1925. Serial No. 207,563. PUBLISHED FEBRUARY 24, 1925.

199,194. TUBES AND PIPING OF NONFERROUS METALS, SUCH AS BRASS, NICKEL, NICKEL SILVER, BRONZE, GERMAN SILVER, PHOSPHOR BRONZE, AND RICH LOW BRASS. T. E. CONKLIN BRASS & COPPER CO., INC., New York, N. Y.
Filed December 31, 1924. Serial No. 207,492. PUBLISHED MARCH 17, 1925.

199,195. LEATHERS. PFISTER & VOGEL LEATHER COMPANY, Milwaukee, Wis.
Filed December 30, 1924. Serial No. 207,472. PUBLISHED MARCH 3, 1925.

199,196. TEST WEIGHTS. E. AND T. FAIRBANKS AND COMPANY, St. Johnsbury, Vt., and East Moline, Ill.
Filed December 29, 1924. Serial No. 207,347. PUBLISHED MARCH 17, 1925.

199,197. AGRICULTURAL AND MILLING MACHINERY CONSISTING OF FEED MILLS, GRINDING MILLS, CRUSHERS, PULVERIZERS, AND SHREDDERS. JAMES BERNARD SEDBERRY, Utica, N. Y.
Filed December 27, 1924. Serial No. 207,313. PUBLISHED MARCH 24, 1925.

199,198. OIL AND GAS ENGINES, OIL-WELL EQUIPMENT, AND OTHER MACHINERY. MARION MACHINE, FOUNDRY & SUPPLY Co., Marion, Ind.
Filed December 26, 1924. Serial No. 207,250. PUBLISHED MARCH 17, 1925.

199,199. SPRINGS, SUSPENSIONS, SHOCK ABSORBERS FOR VEHICLES, APPARATUS FOR IMPROVING THE SUSPENSION OF VEHICLES. MANUFACTURE GÉNÉRALE DE RESSORTS, Paris, France.
Filed December 24, 1924. Serial No. 207,195. PUBLISHED MARCH 3, 1925.

199,200. ONION SETS. EDWIN E. HARRINGTON, Boston, Mass.
Filed December 20, 1924. Serial No. 207,015. PUBLISHED FEBRUARY 24, 1925.

199,201. PNEUMATIC OR VACUUM SWEEPING, CLEANING, AND DRYING SYSTEMS, APPARATUS, AND PARTS THEREOF; SPECIALLY-DESIGNED AIR VALVES, STEAM VALVES, BRUSHES, ETC. ALLEN & BILLMYRE Co., INC., New York, N. Y.
Filed December 20, 1924. Serial No. 206,986. PUBLISHED MARCH 17, 1925.

199,202. REMOVABLE BODIES FOR HAND TRUCKS. ADAMS EQUIPMENT COMPANY, INC., Watertown, N. Y.
Filed December 19, 1924. Serial No. 206,934. PUBLISHED FEBRUARY 24, 1925.

199,203. SCISSORS AND SHEARS. THE ACME SHEAR COMPANY, Bridgeport, Conn.
Filed December 19, 1924. Serial No. 206,933. PUBLISHED MARCH 17, 1925.

199,204. GRAY-IRON CASTINGS. HOLLEY CARBURETOR COMPANY, Detroit, Mich.
Filed December 18, 1924. Serial No. 206,895. PUBLISHED MARCH 17, 1925.

199,205. LAWN MOWERS. SHAPLEIGH HARDWARE COMPANY, St. Louis, Mo.
Filed December 15, 1924. Serial No. 206,754. PUBLISHED MARCH 24, 1925.

199,206. CHOCOLATE. IDEAL COCOA & CHOCOLATE Co., Lititz, Pa., and New York, N. Y.
Filed February 9, 1925. Serial No. 209,296. PUBLISHED MARCH 24, 1925.

199,207. CANDY. LIBERTY ORCHARDS COMPANY, Cashmere, Wash.
Filed February 3, 1925. Serial No. 209,046. PUBLISHED MARCH 24, 1925.

199,208. CANDY. LIBERTY ORCHARDS COMPANY, Cashmere, Wash.
Filed February 3, 1925. Serial No. 209,045. PUBLISHED MARCH 24, 1925.

199,209. WATER SOFTENERS. PURITAN ENGINEERING CORPORATION, Crawfordsville, Ind.
Filed January 30, 1925. Serial No. 208,868. PUBLISHED MARCH 24, 1925.

199,210. BOTTLE-CAPPING MACHINES. CUNDALL, POWELL & MOSHER, INC., Buffalo, N. Y.
Filed January 30, 1925. Serial No. 208,843. PUBLISHED MARCH 24, 1925.

199,211. STEEL OR TOOL STEEL. PETER A. FRASSE & Co. INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,755. PUBLISHED MARCH 24, 1925.

199,212. WOOD GRINDERS. AMERICAN VOITH CONTACT COMPANY INC., New York, N. Y.
Filed January 26, 1925. Serial No. 208,631. PUBLISHED MARCH 24, 1925.

199,213. VIOLET-RAY APPARATUS. THE FITZGERALD MANUFACTURING COMPANY, Torrington, Conn.
Filed January 24, 1925. Serial No. 208,584. PUBLISHED MARCH 24, 1925.

199,214. VENDING MACHINES AND PARTS THEREOF. GOODWIN B. SMITH, doing business as The Snax Stores, Philadelphia, Pa.
Filed January 21, 1925. Serial No. 208,435. PUBLISHED MARCH 24, 1925.

199,215. BAR IRON. LOGAN IRON & STEEL COMPANY, Philadelphia, Pa.
Filed January 19, 1925. Serial No. 208,303. PUBLISHED MARCH 24, 1925.

199,216. MEN'S AND BOYS' OVERCOATS, SUITS, AND TROUSERS AND LADIES' COATS AND SUITS. PHIL KLEIN, New York, N. Y.
Filed January 17, 1925. Serial No. 208,249. PUBLISHED MARCH 10, 1925.

199,217. SHARPENERS FOR EARTHWORKING DISKS OF AGRICULTURAL IMPLEMENTS. THE JAMES DISC SHARPENER COMPANY, Independence, Kans.
Filed January 17, 1925. Serial No. 208,247. PUBLISHED MARCH 24, 1925.

199,218. SCIENTIFIC ASTROLOGICAL APPARATUS. BARASCOPE CORPORATION, New York, N. Y.
Filed January 15, 1925. Serial No. 208,123. PUBLISHED MARCH 24, 1925.

199,219. ANTISEPTIC, DISINFECTING AND CLEANING COMPOUND. GEORGE DOUGLASS TAYLOR, New York, N. Y.
Filed January 20, 1925. Serial No. 208,365. PUBLISHED MARCH 10, 1925.

199,220. AN INTERNAL REMEDY USED AS AN ANALGESIC FOR NEURALGIA, SCIATICA, LUMBAGO, ASTHMA, AND DISEASES OF THE RESPIRATORY AND NERVOUS SYSTEMS. JACQUES LOGEAIS, doing business as Laboratoires Logeais, Paris, France.
Filed January 20, 1925. Serial No. 208,352. PUBLISHED MARCH 10, 1925.

199,221. NONALCOHOLIC, MALTLESS FLAVOR AND COLORINGS FOR SOFT DRINKS. J. F. LASIER MANUFACTURING CO., St. Louis, Mo.
Filed January 20, 1925. Serial No. 208,350. PUBLISHED MARCH 24, 1925.

199,222. NONALCOHOLIC, MALTLESS FLAVOR AND COLORINGS FOR SOFT DRINKS. J. F. LASIER MANUFACTURING CO., St. Louis, Mo.
Filed January 20, 1925. Serial No. 208,349. PUBLISHED MARCH 24, 1925.

199,223. RADIODIALS. THE JEWETT RADIO & PHONOGRAPH CO., Detroit, Mich.
Filed January 19, 1925. Serial No. 208,296. PUBLISHED MARCH 17, 1925.

199,224. BLEACH CREAM, COLD CREAM, AND VANISHING CREAM. ADMIROLA CHEMICAL CO., New York, N. Y.
Filed January 17, 1925. Serial No. 208,215. PUBLISHED MARCH 10, 1925.

199,225. ELECTRIC-LAMP FIXTURES. THE MULTIPLE SOCKET FIXTURE COMPANY, Cleveland, Ohio.
Filed January 15, 1925. Serial No. 208,156. PUBLISHED MARCH 10, 1925.

199,226. EXPLOSIVES. DUMOR NATIONAL CHEMICAL COMPANY, Seattle, Wash.
Filed January 15, 1925. Serial No. 208,129. PUBLISHED MARCH 10, 1925.

199,227. SYNTHETIC-PERFUME BASE. THE A. M. TODD COMPANY, Kalamazoo, Mich.
Filed January 14, 1925. Serial No. 208,117. PUBLISHED MARCH 17, 1925.

199,228. MALT CEREAL BEVERAGES CONTAINING LESS THAN ONE-HALF OF ONE PER CENT ALCOHOL TO BE SOLD AS SOFT DRINKS. NATIONAL BEVERAGE COMPANY, Chicago, Ill.
Filed January 14, 1925. Serial No. 208,106. PUBLISHED MARCH 24, 1925.

199,229. CHOCOLATE POWDER PREPARATION USED IN MAKING FROSTINGS, ICINGS, SAUCES, AND PUDDINGS. WHITING MILK COMPANIES, Boston, Mass.
Filed January 13, 1925. Serial No. 208,086. PUBLISHED MARCH 17, 1925.

199,230. CHOCOLATE POWDER PREPARATION USED IN MAKING FROSTINGS, ICINGS, SAUCES, AND PUDDINGS. WHITING MILK COMPANIES, Boston, Mass.
Filed January 13, 1925. Serial No. 208,084. PUBLISHED MARCH 17, 1925.

199,231. LOTION OR COSMETIC KNOWN AS "AGÉES QUINCE AND ALMOND CREAM." AGÉS DRUG COMPANY, Silver City, N. Mex.
Filed January 13, 1925. Serial No. 208,029. PUBLISHED MARCH 17, 1925.

199,232. OVERALL JACKETS AND OVERALLS. RIFKIN BROS. & STEIN, Philadelphia, Pa.
Filed January 12, 1925. Serial No. 208,015. PUBLISHED MARCH 17, 1925.

199,233. MEN'S, WOMEN'S, AND CHILDREN'S GARMENTS—NAMELY, DRESS SHIRTS, NEGLIGEE SHIRTS, WORK SHIRTS, PYJAMAS, NIGHTSHIRTS, UNDERSHIRTS, DRAWERS, AND UNION SUITS OF KNITTED OR TEXTILE FABRICS. NOVO-TEX COMPANY, INC., Philadelphia, Pa.
Filed January 12, 1925. Serial No. 208,006. PUBLISHED MARCH 17, 1925.

199,234. MEDICINE FOR THE TREATMENT OF ECZEMA. ANDREW D. MCLAIN, Salem, Ala.
Filed January 12, 1925. Serial No. 207,986. PUBLISHED MARCH 10, 1925.

199,235. PREPARATION FOR STOMACH AND INTESTINAL CONDITIONS, ESPECIALLY DYSPEPSIA AND CHRONIC CONSTIPATION. DAVID WRÓBLEWSKI, New York, N. Y.
Filed January 10, 1925. Serial No. 207,958. PUBLISHED MARCH 17, 1925.

199,236. PREPARATION FOR CLEANING CLOGGED SEWERS AND DRAINPIPES. W. A. WESCOTT, doing business as Wescott Chemical Company, Lincoln, Nebr.
Filed January 10, 1925. Serial No. 207,957. PUBLISHED MARCH 17, 1925.

199,237. EXTRACT OF COD-LIVER OIL USED AS A TONIC. THE HENRY S. WAMPOLE COMPANY, Baltimore, Md.
Filed January 9, 1925. Serial No. 207,901. PUBLISHED MARCH 17, 1925.

199,238. MEDICINE FOR INTERNAL USE AS AN ALTERATIVE TO BE USED IN THE TREATMENT OF FORMS OF BLOOD AND SKIN DISEASES. H. E. STOREY, doing business as Storey Laboratories, Houston, Tex.
Filed January 9, 1925. Serial No. 207,898. PUBLISHED MARCH 17, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

199,239. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) GUTMANN AND COMPANY, Chicago, Ill. Filed Jan. 5, 1924. Serial No. 190,455.

"Shubuck"

Particular description of goods.—Leather.
Claims use since Dec. 11, 1923.

199,240. (CLASS 39. CLOTHING.) REGAL CORSET COMPANY, Worcester, Mass. Filed Feb. 12, 1924. Serial No. 192,195.

SLIM LINE

Particular description of goods.—Corsets, Corset Waists, Brassières, Bandeaux, Belts, and Girdles.
Claims use since Jan. 2, 1924.

199,241. (CLASS 39. CLOTHING.) FRANCBURT, INC., New York, N. Y. Filed Feb. 15, 1924. Serial No. 192,323.

Verilong

Particular description of goods.—Brassières.
Claims use since about Dec. 8, 1923.

199,242. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HARLAN M. BRITAN, Ojus, Fla. Filed Feb. 18, 1924. Serial No. 192,476.

SUPERIOR

Particular description of goods.—Mouse and Rat Traps.
Claims use since Nov. 9, 1922.

199,243. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PERLMANN, SCHAL & STERN INC., New York, N. Y. Filed Mar. 15, 1924. Serial No. 193,853.

Filet Appenzell

Particular description of goods.—Linen Centerpieces, Linen Doilies, Scarfs for Use on Furniture, Linen Tablecloths, Linen Napkins, Linen Luncheon Sets, and Linen Buffet Sets.
Claims use since Mar. 10, 1924.

199,244. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NATIONAL CHEMICAL PRODUCTS CO. INC., doing business as Ponce, Union, N. J. Filed Apr. 28, 1924. Serial No. 196,027.

{PON-SAY}
Ponce

Particular description of goods.—Nonalcoholic, Maltless Beverage, Beverage Sirup, and Beverage Concentrate Sold as a Soft Drink.
Claims use since Apr. 8, 1924.

199,245. (CLASS 45. BEVERAGES, NONALCOHOLIC.) HODDE BROTHERS, Detroit, Mich. Filed July 17, 1924. Serial No. 200,146.



Particular description of goods.—Ginger Ale.
Claims use since Mar. 1, 1923.

199,246. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) GENERAL MOTORS CORPORATION, Detroit, Mich. Filed Sept. 18, 1924. Serial No. 202,748.

BUICK

Particular description of goods.—Motor-Driven Vehicles.
Claims use since January, 1904.

199,247. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WASHINGTON ACCREDITED HATCHERY AND BREEDERS ASSOCIATION, Puyallup, Wash. Filed Oct. 30, 1924. Serial No. 204,645.

WASHINGTON
Accredited

Particular description of goods.—Live Poultry—Namely, Chicks.
Claims use since January, 1924.

199,248. (CLASS 39. CLOTHING.) JOSEPH STEINMAN, New York, N. Y. Filed Nov. 25, 1924. Serial No. 205,840.

DR. KELLER'S COMFORT SHOE

Particular description of goods.—Leather Shoes for Women and Children.
Claims use since Jan. 1, 1910.

199,249. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUILLERMO GUTIERREZ VELEZ, New York, N. Y. Filed Jan. 14, 1925. Serial No. 208,121.

SAN ANTONIO

Particular description of goods.—Coffee.
Claims use since Apr. 15, 1924.

199,250. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923. Serial No. 182,073.

BEATS ALL NETS

Particular description of goods.—Laundry Nets.
Claims use since Dec. 18, 1922.

199,251. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923. Serial No. 182,074.

GUARANTEED NETS

Particular description of goods.—Laundry Nets.
Claims use since Apr. 5, 1923.

199,252. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923. Serial No. 182,075.

LONGLIFE NETS

Particular description of goods.—Laundry Nets.
Claims use since June 12, 1923.

199,253. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) TINGUE, BROWN & CO., New York, N. Y. Filed June 15, 1923. Serial No. 182,076.

SATISFACTION NETS

Particular description of goods.—Laundry Nets.
Claims use since June 12, 1923.

199,254. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAX ZEILER, Berlin-Treptow, Germany. Filed Sept. 27, 1923. Serial No. 186,311.

Turnlight

Particular description of goods.—Galvanic Cells, Dry Cells, Dry Batteries, Refill Batteries, Refill Cells, Pocket Lamps, and Parts of All of These Manufactures.
Claims use since Feb. 26, 1923.

199,255. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) SONORA, INC., New York, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 6, 1924. Serial No. 193,366.

SAGINAW

Particular description of goods.—Talking Machines and Phonographs.
Claims use since Feb. 1, 1924.

199,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SEIDNER & HITZIGRATH, INC., New York, N. Y. Filed Apr. 8, 1924. Serial No. 195,198.

"The Net with the Graduating Meshes"

Particular description of goods.—Hair Nets.
Claims use since Mar. 15, 1923.

199,257. (CLASS 27. HOROLOGICAL INSTRUMENTS.) JOSEPH Y. PERELMAN, doing business as Montreaux Watch Co., New York, N. Y. Filed May 2, 1924. Serial No. 196,543.

MONTREAUX WATCH Co

Particular description of goods.—Watch Movements and Watchcases.
Claims use since May 1, 1922.

199,258. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PERFECT AUTOMATIC EGG-TIMER & MANUFACTURING COMPANY, Chicago, Ill. Filed May 12, 1924. Serial No. 196,927.

The Perfect AUTOMATIC

Particular description of goods.—Automatic Bread Toasters.
Claims use since Mar. 1, 1924.

199,259. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK M. SWITZER, doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Filed July 12, 1924. Serial No. 199,958.

SWITZER'S Better Butter Scotch

Particular description of goods.—Candy.
Claims use since about December, 1910.

199,260. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE HANSON & VAN WINKLE COMPANY, Newark, N. J. Filed July 19, 1924. Serial No. 200,253.

TRULIME

Particular description of goods.—Composition for Use in Polishing and Buffing.
Claims use since Feb. 1, 1924.

199,261. (CLASS 39. CLOTHING.) CALIFORNIA SEAMLESS SHOE COMPANY, Long Beach, Calif. Filed Aug. 18, 1924. Serial No. 201,536.

SEAMLESS

Particular description of goods.—Shoes of Leather, Fabric, Rubber, and Combination of the Same.
Claims use since Apr. 17, 1924.

199,262. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ONYX OIL & CHEMICAL CO., Jersey City, N. J. Filed Oct. 4, 1924. Serial No. 203,434.

"SOLVENT DEGUM"

Particular description of goods.—A Product for Use in Connection with the Removal of Ceresin Gum from Silk.
Claims use since December, 1922.

199,263. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) HOWARD-STOWERS COMPANY, INC., New York, N. Y. Filed Dec. 15, 1924. Serial No. 206,733.

HOWARD-STOWERS NEW YORK

Particular description of goods.—Pianos, Piano Players, and Parts Therefor.
Claims use for not less than one year.

199,264. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) SINGER PAPER BOX CO., Chicago, Ill. Filed Dec. 24, 1924. Serial No. 207,205.

SINGER PAPER PRODUCTS

Particular description of goods.—Paper Novelties and Advertising Specialties—Namely, Cardboard and Paper Figures Used for Advertising Purposes and Placed in Shop Windows—Namely, Small Paper Houses, Paper Pedestals, Fans, Display Boards, Easels, and Megaphones.
Claims use since July 26, 1923.

199,265. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) METROPOLITAN DEVICE CORPORATION, Brooklyn, N. Y. Filed Jan. 5, 1925. Serial No. 207,668.

DUMMY PLUGS

Particular description of goods.—Plugs for Fuse Receptacles.
Claims use since February, 1920.

199,266. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) ADAMS BROS. & CO., Chicago, Ill. Filed Feb. 2, 1925. Serial No. 208,943.

RIM TAP

Particular description of goods.—Jar Caps.
Claims use since July 27, 1922.

199,267. (CLASS 37. PAPER AND STATIONERY.) PAPER SERVICE CO., INC., Hinsdale, N. H. Filed Feb. 7, 1925. Serial No. 209,238.

GRADE A TISSUE

Particular description of goods.—Toilet Paper.
Claims use since July 7, 1922.

199,268. (CLASS 15. OILS AND GREASES.) SINCLAIR REFINING COMPANY, New York, N. Y. Filed Mar. 12, 1925. Serial No. 210,929.

SINCLAIR REFINING COMPANY

Particular description of goods.—Refined, Semirefined, and Unrefined Oils Made from Petroleum, with or without Admixture of Animal, Vegetable, or Mineral Oils, for Illuminating, Burning, Power, Fuel, and Lubricating Purposes.
Claims use since Jan. 25, 1917.

190,269. (CLASS 39. CLOTHING.) A. SULKA & COMPANY, New York, N. Y. Filed Mar. 16, 1925. Serial No. 211,135.

Sulka

Particular description of goods.—Dress Shirts, Negligee Shirts, Work Shirts, Undershirts, Collars, Ties, Sweaters, Sweater Jackets, Hosiery, Bathing Suits, Beach Robes, House Robes, Underwear of Knitted, Netted and Textile Fabrics, and Pyjamas.
Claims use for more than one year.

199,270. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) BAUSH MACHINE TOOL COMPANY, Springfield, Mass. Filed Mar. 17, 1925. Serial No. 211,151.

BAUSH METAL

Particular description of goods.—Aluminum Alloys, and Particularly Ingots, Sheets, Bars, and Other Shapes of Aluminum Alloys.
Claims use since Oct. 3, 1922.

199,271. CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) HARRY EDWARD HUBBARD GRANT or H. GRANT, doing business as California Radio Minerals, Harry Grant, jr., Burlingame, Calif. Filed Mar. 17, 1925. Serial No. 211,165.

A-1

Particular description of goods.—Radio Receiving Sets, Crystal (Detectors), Radio Crystal Catwhiskers.
Claims use for not less than one year.

199,272. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEPHEN SANFORD & SONS, INC., Amsterdam, N. Y. Filed Mar. 18, 1925. Serial No. 211,233.

LUZERNE

Particular description of goods.—Knitted Fabric Carpets and Rugs.
Claims use since about 1916

199,273. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEPHEN SANFORD & SONS, INC., Amsterdam, N. Y. Filed Mar. 18, 1925. Serial No. 211,234.

BEAUVAIS

Particular description of goods.—Axminster Carpets and Rugs.
Claims use since 1897.

199,274. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) COAST FISHING COMPANY INC., Wilmington, Calif. Filed Mar. 21, 1925. Serial No. 211,410.

NAVARRO

Particular description of goods.—Canned Fish.
Claims use since 1918.

199,275. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TALBOT MANUFACTURING CO., Los Angeles, Calif. Filed Mar. 21, 1925. Serial No. 211,433.

TALBOT'S

Particular description of goods.—Insecticides.
Claims use since 1913.

199,276. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE TEMPLE FUEL COMPANY, Trinidad, Colo. Filed Apr. 1, 1925. Serial No. 212,049.

BRODHEAD

Particular description of goods.—Coal.
Claims use since Feb. 4, 1915.

199,277. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) LEWIS RUBBER SNUBBER CO., Portland, Oreg. Filed Mar. 11, 1925. Serial No. 210,850.

LEWIS RUBBER

Particular description of goods.—Shock Absorbers for Vehicles.
Claims use since Aug. 23, 1923.

199,278. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CHARLES W. VAUGHAN, Richmond, Va. Filed Jan. 26, 1925. Serial No. 208,690.

VAUGHAN'S PEERLESS

Particular description of goods.—Polish Possessing Incidental Cleaning Properties and Adapted Particularly for Use on Auto Bodies, Furniture, Floor, Woodwork, and the Like.
Claims use since March, 1914.

199,279. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) HALF MOON MANUFACTURING & TRADING COMPANY, INC., New York, N. Y. Filed Jan. 17, 1925. Serial No. 208,239.

TONKING

Particular description of goods.—Bamboo Plant Stakes.
Claims use since Dec. 15, 1923.

199,280. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HALF MOON MANUFACTURING & TRADING COMPANY, INC., New York, N. Y. Filed Jan. 17, 1925. Serial No. 208,237.

BOSKOOP

Particular description of goods.—Peat and Burlap.
Claims use since Dec. 15, 1923.

199,281. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 207,375.

BELLE ISLE

Particular description of goods.—Oleomargarine.
Claims use since Jan. 1, 1915.

199,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 207,374.

KLONDIKE

Particular description of goods.—Oleomargarine.
Claims use since Jan. 1, 1897.

199,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Dec. 29, 1924. Serial No. 207,361.

Mary Sallee

Particular description of goods.—Oleomargarine.
Claims use since Sept. 1, 1909.

199,284. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) GRIP NUT COMPANY, Chicago, Ill. Filed Nov. 17, 1924. Serial No. 205,410.

Holding

Particular description of goods.—Metal Nuts.
Claims use since 1907.

TRADE-MARK REGISTRATIONS RENEWED

26,784. CHEMICAL AND MEDICAL PRODUCTS. Registered July 9, 1895. VEREINIGTE CHININFABRIKEN ZIMMER & Co., Frankfort-on-the-Main, Germany. Renewed July 9, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

26,906. ANTISEPTICS. Registered August 6, 1895. SPETER & GRUND, Frankfort-on-the-Main, Germany. Renewed August 6, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

27,053. CREAM OF PETROLEUM FOR THE TOILET. Registered September 10, 1895. AUGUSTUS P. STEVENS. Renewed September 10, 1925, to Joseph Lubin, Brooklyn, N. Y., assignee.

27,089. A PASTE FOR REMOVING SPOTS AND STAINS. Registered September 24, 1895. AUGUST FALK, Vienna, Austria. Renewed September 24, 1925, to The Chemical Foundation, Incorporated, Wilmington, Del., a Corporation of Delaware, assignee.

44,670. CORSETS. Registered July 18, 1905. STROUSE, ADLER & Co., New Haven, Conn. Renewed July 18, 1925.

45,078. SEEDERS AND PLANTERS. Registered August 8, 1905. DANIEL E. SPEICHER, Urbana, Ind. Renewed August 8, 1925.

45,214. PAINTS AND VARNISHES. Registered August 8, 1905. PHOENIX PAINT & VARNISH CO., Philadelphia, Pa. Renewed August 8, 1925.

45,253. WATER OR STEAM HEATERS. Registered August 8, 1905. KEWANEE BOILER COMPANY, Kewanee, Ill., a Corporation of Illinois. Renewed August 8, 1925.

45,266. MEDICAL TONICS. Registered August 8, 1905. MAAS & WALDSTEIN CO., Newark, N. J. Renewed August 8, 1925, to Henry Magnus, Chicago, Ill., successor.

45,497. WHEAT FLOUR. Registered August 22, 1905. PHOENIX FLOUR MILL, Evansville, Ind., a Corporation of Indiana. Renewed August 22, 1925.

45,564. WHEAT FLOUR. Registered August 22, 1905. THE MAYFLOWER MILLS, Fort Wayne, Ind., a Corporation of Indiana. Renewed August 22, 1925.

45,697. A VETERINARY REMEDY. Registered August 29, 1905. DR. B. J. KENDALL COMPANY, Enosburg Falls, Vt., a Corporation of Vermont. Renewed August 29, 1925.

45,698. A VETERINARY REMEDY. Registered August 29, 1905. DR. B. J. KENDALL COMPANY, Enosburg Falls, Vt., a Corporation of Vermont. Renewed August 29, 1925.

45,767. CORSETS. Registered August 29, 1905. STROUSE, ADLER & CO., New Haven, Conn. Renewed August 29, 1925.

45,794. MEDICINAL PREPARATION FOR THE CURE OF DISEASES OF THE BLOOD AND SKIN. Registered August 29, 1905. THE ELI LILLY & COMPANY, Indianapolis, Ind., a Corporation of Indiana. Renewed August 29, 1925.

45,885. BARRELS, KEGS, PAILS, AND BUCKETS AND PARTS THEREOF. Registered August 29, 1905. CHICKASAW COOPERAGE COMPANY, Memphis, Tenn., a Corporation of Tennessee. Renewed August 29, 1925.

46,070. HAIRPINS. Registered September 5, 1905. THE STERLING PIN CO., Huntington and Derby, Conn. Renewed September 5, 1925, to The Sterling Pin Co., Derby, Conn.

46,086. HAIR DYES. Registered September 5, 1905. CARL DAMSCHINSKY, New York, N. Y. Renewed September 5, 1925.

46,535. WHITE LEAD. Registered September 26, 1905. THE TRIPOD PAINT CO., Atlanta, Ga., a Corporation of Georgia. Renewed September 26, 1925.

46,616. COCKTAILS. Registered September 26, 1905. G. F. HEUBLEIN & BRO., Hartford, Conn., a Corporation of Connecticut. Renewed September 26, 1925.

46,697. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. Registered October 3, 1905. AMERICAN WATCH CASE COMPANY. Renewed October 3, 1925, to American Watch Case Co. Inc., New York, N. Y., a Corporation of New York, assignee.

46,741. TIMOTHY SEED. Registered October 3, 1905. E. W. CONKLIN & SON. Renewed October 3, 1925, to Horace E. Conklin, doing business as E. W. Conklin & Son, Binghamton, N. Y.

46,893. CANDY. Registered October 10, 1905. PHILIP WUNDERLE, Philadelphia, Pa. Renewed October 10, 1925.

46,923. HAIR RESTORATIVES. Registered October 17, 1905. BELLE F. KERR, Columbus, Ohio. Renewed October 17, 1925, to Belle F. Kerr, Lake View, Ohio.

47,136. CANDIES AND CANDIED FRUITS. Registered October 31, 1905. DENIS ARNOULD. Renewed October 31, 1925, to Benjamin C. Weisberg, doing business as D. Arnould Co., New York, N. Y., successor.

47,184. OLIVE OIL. Registered October 31, 1905. JORDAN STABLER CO., Baltimore, Md., a Corporation of Maryland. Renewed October 31, 1925.

47,208. WHEAT FLOUR. Registered October 31, 1905. THORNTON & CHESTER MILLING CO., Buffalo, N. Y., a Corporation of New York. Renewed October 31, 1925.

47,384. FRUITS AND VEGETABLES AND FRUIT AND VEGETABLE PRESERVES AND JELLIES IN TIN OR GLASS. Registered October 31, 1905. WM. NUMSEN & SONS, INC., Baltimore, Md., a Corporation of West Virginia. Renewed October 31, 1925.

47,440. SAFETY DRIVING BITS. Registered November 7, 1905. WILLIAM VAN ARSDALE. Renewed November 7, 1925, to Susan P. Van Arsdale, Racine, Wis., successor.

LABELS

REGISTERED JUNE 2, 1925.

28,702.—*Title:* BIG NAVANA. For Cigars. AMERICAN BEAUTY CIGAR COMPANY, Toronto, Ohio. Published April 10, 1925.

28,703.—*Title:* COCKTAIL. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published April 4, 1925.

28,704.—*Title:* LIME. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published May 28, 1923.

28,705.—*Title:* LEMON. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published May 28, 1923.

28,706.—*Title:* VIOLET. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published April 4, 1925.

28,707.—*Title:* ORANGE. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published December 18, 1924.

28,708.—*Title:* LONDON DRY. For Ginger Ale. CECIL R. BARBER, doing business as London Dry Co., London, Calif. Published December 24, 1924.

28,709.—*Title:* ZONE-LAC. For Lacquer Paint. JOHN E. BAUER, doing business as Union Wholesale Paint Co., Los Angeles, Calif. Published February 17, 1925.

28,710.—*Title:* BEACON RADIO "B" BATTERY. For Electric Batteries. BEACON ELECTRIC CORPORATION, New York, N. Y. Published April 15, 1925.

28,711.—*Title:* BELL'S. For Cleaning Fluid. BELL CHEMICAL CO. INC., Chicago, Ill. Published December 5, 1924.

28,712.—*Title:* USE GOULD INFERNO OIL BURNERS. For Inferno Oil Burners. A. G. BLANCHARD, doing business as Gould Burner Company, Shreveport, La. Published March 10, 1925.

28,713.—*Title:* ROYAL CREST. For Creme de Cacao Cordial. BOHEMIAN DISTRIBUTING CO. INC., Los Angeles, Calif. Published March 10, 1925.

28,714.—*Title:* PUBLIC OPINION. For Cigars. CENTRAL CIGAR COMPANY, Windsor, Pa. Publishd January 22, 1925.

28,715.—*Title:* COLLEGE INN. For Canned Chicken Soup. COLLEGE INN FOOD PRODUCTS COMPANY, Chicago, Ill. Published December 22, 1924.

28,716.—*Title:* SHAV-PAD. For Powder Puffs for Use by Men. COLUMBIA PLUSH & PUFF CO., Brooklyn, N. Y. Published March 19, 1925.

28,717.—*Title:* OLD HOMESTEAD. For a Cereal Beverage. COMMERCIAL COMPANY, Charlestown, Mass. Published March 25, 1925.

28,718.—*Title:* CONGOLEUM GOLD SEAL. For Rugs and Floor Coverings. CONGOLEUM-NAIRN INC., Philadelphia, Pa. Published March 27, 1925.

28,719.—*Title:* GOLDEN PHEASANT. For Ginger Ale. CREAM CITY PRODUCTS CO., Milwaukee, Wis. Published April 24, 1925.

28,720.—*Title:* KLEEN-TYPE. For Liquid Preparation for Cleaning Typewriter and Other Type. ROGER TAYLOR DAVIS, San Antonio, Tex. Published June 7, 1924.

28,721.—*Title:* STIR WELL—STIR RIGHT TO MAKE PAINT HOLD TIGHT. For Paints. THE DEVOISE COMPANY, Brooklyn, N. Y. Published March 16, 1925.

28,722.—*Title:* DENNOS FOOD THE MILK MODIFIER. For Infants' and Invalids' Foods. DENNOS FOOD COMPANY OF PORTLAND, Portland, Oreg. Published April 10, 1925.

28,723.—*Title:* THE DICTAPHONE CYLINDER. For Phonograph Records. DICTAPHONE CORPORATION, Bridgeport, Conn. Published March 31, 1925.

28,724.—*Title:* GOOD COFFEE ABSOLUTELY PURE. For Coffee. DWINELL-WRIGHT COMPANY, Boston, Mass. Published March 31, 1925.

28,725.—*Title:* GOOD COFFEE. For Coffee. DWINELL-WRIGHT COMPANY, Boston, Mass. Published March 31, 1925.

28,726.—*Title:* AMERICA. For Lemons. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Published March 2, 1925.

28,727.—*Title:* LIBERTY. For Lemons. ESCONDIDO FRUIT GROWERS ASSOCIATION, Escondido, Calif. Published March 2, 1925.

28,728.—*Title:* FLORIDA BLEND. For Beverage. EDWARD H. FALLOWS, doing business as Florida Blend Company, New York, N. Y. Published April 24, 1925.

28,729.—*Title:* QUALITY DE LUXE. For Fresh Tomatoes. FLORIDA EAST COAST GROWERS ASSOCIATION, INC., Miami, Fla. Published March 27, 1925.

28,730.—*Title:* YORBA LINDA GEM. For Oranges. FOOTHILL GROVES, Yorba Linda, Calif. Published January 29, 1925.

28,731.—*Title:* GUARANTEED FORD USED CAR. For Ford Automobiles. FORD MOTOR COMPANY, Highland Park, Mich. Published March 29, 1925.

28,732.—*Title:* OVER-BOB. For Hair Goods. FRANKEL & SMITH, INC., Boston, Mass. Published January 15, 1925.

28,733.—*Title:* NOBOB. For Hair Goods. FRANKEL & SMITH, INC., Boston, Mass. Published November 1, 1924.

28,734.—*Title:* MON PLAISIR. For Salad Dressing. FRENCH DRESSING SPECIALTY CO., New York, N. Y. Published April 15, 1925.

28,735.—*Title:* OLD FASHUN BREAD. For Bread. GIUSTI BAKING CO., New Bedford, Mass. Published April 2, 1925.

28,736.—*Title:* NAVAJO. For Candy. E. A. HOFFMAN CANDY CO., Los Angeles, Calif. Published February 1, 1925.

28,737.—*Title:* TOM'S TOASTED PEANUTS. For Toasted Peanuts. TOM HUSTON, doing business as the Southern Peanut Company, Columbus, Ga. Published March 24, 1925.

28,738.—*Title:* SAMPSON. For Malt Sirup. THE INDEPENDENT BREWERIES COMPANY, St. Louis, Mo. Published March 31, 1925.

28,739.—*Title:* INTERNATIONAL BROTHERHOOD OF PAPER MAKERS—UNION MADE. For Book, Bond, Ledger, and Other Writing and Printing Papers. INTERNATIONAL BROTHERHOOD OF PAPER MAKERS, Albany, N. Y. Published April 20, 1925.

28,740.—*Title:* JANTZEN. For Swimming Suits. JANTZEN KNITTING MILLS, Portland, Oreg. Published March 29, 1925.

28,741.—*Title:* THE STAD. For Young Men's Suits. JOS. KUHN & CO., Champaign, Ill. Published December 5, 1924.

28,742.—*Title:* RADIO HAND MADE. For Cigars. EDDIE J. B. LAFRENAYE, Holyoke, Mass. Published December 6, 1924.

28,743.—*Title:* MACK'S SMACKS. For a Confection for Cough and Cold Relief. CHAS. DAVID MCEWEN, Richmond, Va. Published March 16, 1925.

28,744.—*Title:* MY GOODNESS. For Candy. A. MCLEAN & SON, Chicago, Ill. Published December 1, 1924.

28,745.—*Title:* KOLENE. For Fabric Cleaner. CLAY R. MARTIN and PHILIP B. WARNOCK, doing business as Kolene Products Co., Swampscott, Mass. Published April 16, 1925.

28,746.—*Title:* MEADER BROOK. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Joe Duke, Port Arthur, Tex. Published April 15, 1925.

28,747.—*Title:* MEADOWBROOK. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to C. A. Van Deusen Company, Hudson, N. Y. Published April 1, 1925.

28,748.—*Title:* ROYAL BREAKFAST COFFEE. For Coffee. MERCHANTS WHOLESALE GROCERY CO., Philadelphia, Pa. Published April 13, 1925.

28,749.—*Title:* MILLERKINS SHOES FOR KIDDIES. For Shoes for Children. I. MILLER & SONS, INC., doing business as The Millerkins Shop, New York, N. Y. Published February 27, 1925.

28,750.—*Title:* BUTTER CRACKERS. For Crackers. MILLER-PARROTT BAKING CO., Terre Haute, Ind. Published April 6, 1925.

28,751.—*Title:* FAMILY LOAF. For Bread. MILLER-PARROTT BAKING CO., Terre Haute, Ind. Published April 6, 1925.

28,752.—*Title:* RUDOLPH & BAUER RIKISHA CANDIES. For Candy. THE MILWAUKEE PAPER BOX CO., Milwaukee, Wis. Published April 7, 1925.

28,753.—*Title:* NESTOR EMULSION OF PURE COD LIVER OIL. For Medicinal Preparation for Pulmonary Diseases, Coughs, Colds, and General Debility. NESTOR DRUG AND CHEMICAL COMPANY, Chicago, Ill. Published October 7, 1924.

28,754.—*Title:* NEW JERSEY YACHT COPPER PAINT. For Paint. NEW JERSEY PAINT WORKS, HARRY LOUDERBOUGH, INC., Jersey, City, N. J. Published February 3, 1925.

28,755.—*Title:* WURTZBURGER BLUE LABEL BRAND HOPPED-MALT EXTRACT. For Malt Extract. NEW ORLEANS HOPS, MALT & EXTRACT CO., INC., New Orleans, La. Published May 20, 1924.

28,756.—*Title:* SKOOKUM. For Cross-Expansion Spiral Piston Packing. PIONEER RUBBER MILLS, San Francisco, Calif. Published August 1, 1924.

28,757.—*Title:* GEORGE R. RAY'S 46. For Cigars. QUALITY CIGAR COMPANY, Red Lion, Pa. Published April 21, 1925.

28,758.—*Title:* BABY GRAPES. For Grapes. LOUIS RUSCONI, Fresno, Calif. Published April 16, 1925.

28,759.—*Title:* SAL-I-O. For Salt. THE SAL-I-O COMPANY, Le Roy, N. Y. Published April 20, 1925.

28,760.—*Title:* FIRE KING. For Cigars. GEORGE SCHAFER CIGAR COMPANY, Baltimore, Md. Published April 17, 1924.

28,761.—*Title:* SEEMA BRAND COFFEE. For Coffee. SHAW'S SANDWICH SHOPS, INC., Boston, Mass. Published December 29, 1924.

28,762.—*Title:* S-M-C. For Coffee. SORVER, MCEVOY & CO., Philadelphia, Pa. Published April 15, 1925.

28,763.—*Title:* UNITED. For Fresh Pears. UNITED FRUIT DISTRIBUTING COMPANY, Sacramento, Calif. Published July 1, 1924.

28,764.—*Title:* TRICKLE ICE. For Tinsel. UNITED STATES FOIL CO., Louisville, Ky. Published March 1, 1925.

28,765.—*Title:* LAKE. For Lemons. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Published March 2, 1925.

28,766.—*Title:* CUB. For Lemons. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Published March 2, 1925.

28,767.—*Title:* CLUSTER. For Lemons. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Published March 2, 1925.

28,768.—*Title:* RUF'N REDY. For Lemons. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Published March 2, 1925.

28,769.—*Title:* SEA GULL. For Lemons. UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Published March 2, 1925.

28,770.—*Title:* FISH. For Pickled Herring. VITA FISH PRESERVING WORKS, New York, N. Y. Published October 1, 1924.

28,771.—*Title:* CAPTAIN JACK'S QUALITY CANDIES. For Candy. CHARLES WILLIAM WARMAN, Hopewell, N. J. Published February 12, 1925.

28,772.—*Title:* REAL LOAF. For Bread. WAXIDE PAPER COMPANY, Kansas City, Mo. Published March 15, 1925.

28,773.—*Title:* SPARKLE. For Fresh Grapes. C. B. WILLIAMS, doing business as C. B. Williams Company, San Francisco, Calif. Published March 13, 1925.

28,774.—*Title:* FAULTLESS. For Bread. DANIEL P. WOOLLEY, New York, N. Y. Published January 16, 1925.

PRINTS

REGISTERED JUNE 2, 1925.

7,953.—*Title:* LEMON. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published October 11, 1922.

7,954.—*Title:* LIME. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published October 11, 1922.

7,955.—*Title:* ORANGE. For Candy. THE AROMINT MFG. CO., Cincinnati, Ohio. Published December 18, 1924.

7,956.—*Title:* WHY DO WE ADVERTISE MEN'S UNDERWEAR IN A WOMEN'S MAGAZINE? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 16, 1925.

7,957.—*Title:* BETTER BE SURE IT'S "GOOD OLD B. V. D."! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published April 10, 1925.

7,958.—*Title:* CORN FIX. For Remedy for Corns, Calli, and Bunions. CORN FIX CO. INC., Newark, N. J. Published March 16, 1925.

7,959.—*Title:* EAT TO KEEP FIT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 3, 1925.

7,960.—*Title:* IT'S A BUSY WORLD WHEN YOU'RE FIVE! For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 10, 1925.

7,961.—*Title:* STIR WELL—STIR RIGHT TO MAKE PAINT HOLD TIGHT. For Paints. THE DEBEVOISE COMPANY, Brooklyn, N. Y. Published March 18, 1925.

7,962.—*Title:* YOUR JOBS DESERVE THE DUO SINK & TRAY WASTE. For Plumbing Goods. DUO MANUFACTURING COMPANY, Long Island City, N. Y. Published February 20, 1925.

7,963.—*Title:* FERTILITY AND HATCHABILITY. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry feed. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Published February 24, 1925.

7,964.—*Title:* BIGGER HATCHES—BIGGER PROFITS. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Published February 24, 1925.

7,965.—*Title:* CUT DOWN YOUR BABY CHICK LOSSES. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Published March 20, 1925.

7,966.—*Title:* MORE CHICKS FROM EVERY 100 EGGS SET—. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. THE FLEISCHMANN COMPANY, Cincinnati, Ohio, and New York, N. Y. Published March 20, 1925.

7,967.—*Title:* THE FLORSHEIM SHOE. For Shoes. THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Published April 4, 1925.

7,968.—*Title:* FROSTEE. For Certain Confection Consisting of a Portion of Ice Cream, Chocolate-Coated and Placed on a Stick. H. I. GLICKMAN, Los Angeles, Calif. Published March 10, 1925.

7,969.—*Title:* WONDER—KURA. For Healing Oil. WILL W. HERRICK, Saratoga Springs, N. Y. Published March 1, 1925.

7,970.—*Title:* GIRO APPLE SNOW. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published December 15, 1924.

7,971.—*Title:* MARION POWER'S STRAWBERRY JELL-O. For Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published December 1, 1924.

7,972.—*Title:* RESORTS AND PLAYGROUNDS OF AMERICA. For a Book or Series of Books. JOHN FRANCIS KANE, doing business as Resorts and Playgrounds of America, New York, N. Y. Published January 20, 1925.

7,973.—*Title:* RED SEAL BIRD. For Carnary Birds. RUDOLPH J. MAREE, Chicago, Ill. Published August 24, 1924.

7,974.—*Title:* BRIGADE'S DRUM MAJOR. For Ice Cream. FREDERICK C. MATHEWS COMPANY, Detroit, Mich. Published December 24, 1924.

7,975.—*Title:* IODEX—NO MACULA LA BELLEZA ESTE NUEVO YODO QUE NO MANCHA. SUPERIOR A LA TINTURA DE YODO. For Iodex Ointment. MENLEY & JAMES, LIMITED, New York, N. Y. Published December 19, 1924.

7,976.—*Title:* LIBERTY ROOT BEER. For Root Beer. RICHARDSON CORPORATION, Rochester, N. Y. Published July 2, 1923.

7,977.—*Title:* COLD CREAMY LIBERTY ROOT BEER. For Root Beer. RICHARDSON CORPORATION, Rochester, N. Y. Published July 2, 1923.

7,978.—*Title:* LOVE-KISSED WEDDING RINGS FOR THE BRIDE. For Wedding Rings. JACOB H. SPIRO, San Francisco, Calif. Published April 5, 1925.

7,979.—*Title:* NO BREAKFAST COMPLETE WITHOUT TOAST. For Gold Metal Flour. WASHBURN CROSBY CO., Minneapolis, Minn. Published March 28, 1925.

7,980.—*Title:* "YO QUIERO LAXOL" ACEITE DE CASTOR COMO MIEL LOS NIÑOS SE LAMEN LA CUCHARA Y PIDEN MÁS LAXOL. For Laxol. A. J. WHITE LIMITED, New York, N. Y. Published December 19, 1924.

7,981.—*Title:* WILLSON GOGGLES THE WILLSON NAME ON EVERY FRAME. For Goggles. WILLSON GOGGLES, INC., Reading, Pa. Published April 2, 1925.

REISSUES

JUNE 2, 1925.

16,088. REPLACEABLE TOOL HANDLE. WILLIAM FORREST BASSETT, Columbus, Ind. Filed Mar. 17, 1925. Serial No. 16,255. Original No. 1,523,339, dated Jan. 13, 1925, Serial No. 342,573, filed Dec. 5, 1919. 7 Claims. (Cl. 279—102.)



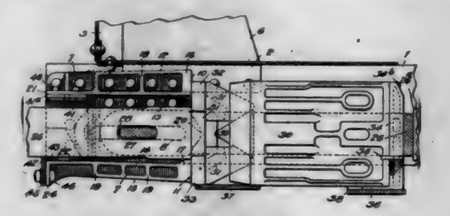
1. A wooden handle for use with an agricultural tool having a tang non-circular in section, said handle having a hole conforming in shape at its entrance to the cross-section of the tang whereby the tool may be correctly located relatively to the handle, and said hole being of different shape for the major part of its length whereby displacement of the material of the handle insures against separation of the parts, substantially as set forth.

16,089. SPRING SUPPORT FOR VEHICLE BODIES. JOHN E. SIMMONS, Portland, Oreg., assignor to Della U. Jones, Portland, Oreg. Filed Jan. 9, 1924. Serial No. 685,280. Original No. 1,349,170, dated Aug. 10, 1920, Serial No. 253,051, filed Sept. 7, 1918. 14 Claims. (Cl. 267—46.)



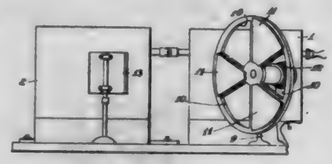
1. In a vehicle running gear, the combination of a laminated half-elliptic spring fastened to the vehicle body, a complementary laminated spring-member fastened on the under side of the axle, and a connection between the adjacent ends of the complementary spring member and the half elliptic spring, the connection spanning the axle end, which is permitted relative vertical motion therein.

16,090. DRAFT RIGGING. BYRON W. KADEL, Baltimore, Md., assignor, by mesne assignments, to The Symington Company, a Corporation of Maryland. Filed Apr. 28, 1925. Serial No. 26,517. Original No. 1,533,315, dated Apr. 28, 1925, Serial No. 85,427, filed Mar. 20, 1916. Renewed Mar. 3, 1925. 46 Claims. (Cl. 213—16.)



41. In a draft rigging, the combination with spaced sills, of stop members connected to the inner faces of the sills adjacent the ends thereof, said members each being provided with a key receiving slot and having upright stop faces positioned in rear of the inner ends of said slots, portions of said members adjacent the rear ends of said slots being curved and extended rearwardly of said upright faces to reinforce the slots.

16,091. METHOD OF MOTION-PICTURE PROJECTION AND APPARATUS THEREFOR. THOMAS H. MARTEN, Toronto, Ontario, Canada, assignor to The Marten Corporation, Limited, Toronto, Ontario, Canada. Filed Dec. 24, 1923. Serial No. 682,539. Original No. 1,461,133, dated July 10, 1923, Serial No. 558,916, filed May 6, 1922. 6 Claims. (Cl. 88—24.)



1. A projection device, comprising, a pair of projectors, a fixed source of light, and means for directing the beam of light from said light source in alternating period to both projectors.

DESIGNS.

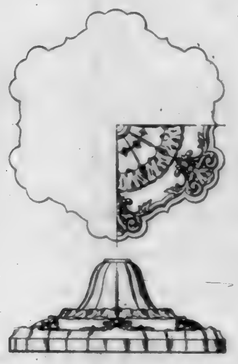
JUNE 2, 1925.

67,428. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,908. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,429. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,909. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,430. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,910. Term of patent 3½ years.



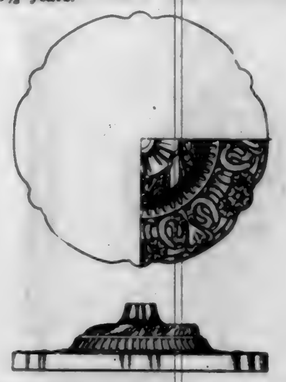
The ornamental design for a lamp base as shown.

67,431. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,911. Term of patent 3½ years.



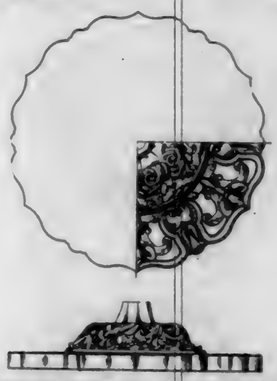
The ornamental design for a lamp base as shown.

67,432. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,912. Term of patent 3½ years.



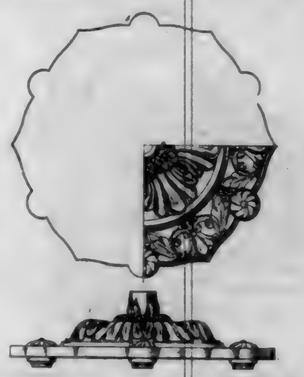
The ornamental design for a lamp base as shown.

67,433. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,913. Term of patent 3½ years.



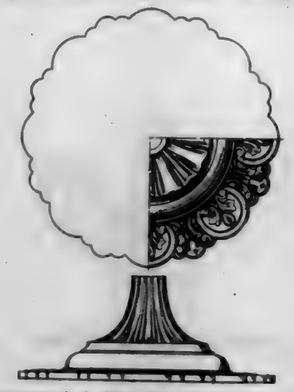
The ornamental design for a lamp base as shown.

67,434. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,914. Term of patent 3½ years.



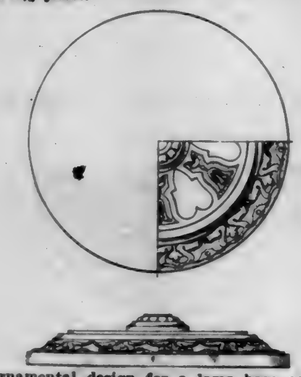
The ornamental design for a lamp base as shown.

67,435. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,915. Term of patent 3½ years.



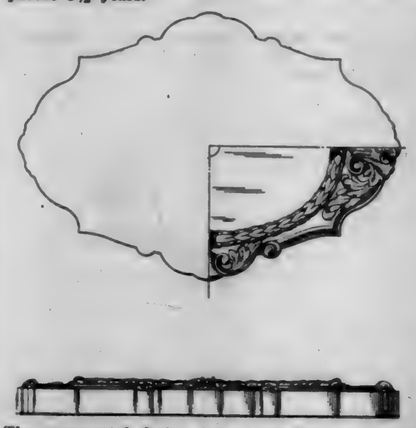
The ornamental design for a lamp base as shown.

67,436. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,917. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,437. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,918. Term of patent 3½ years.



The ornamental design for a lamp base as shown.

67,438. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,919. Term of patent 3½ years.



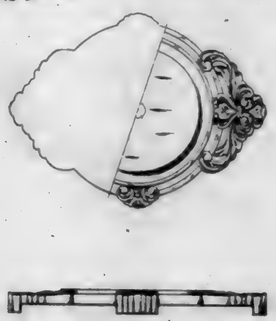
The ornamental design for a lamp base as shown.

67,439. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,920. Term of patent 3½ years.



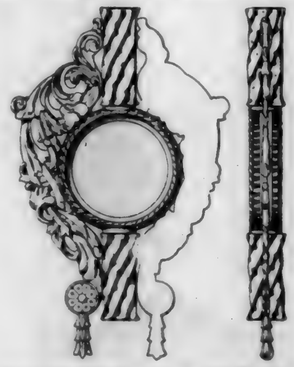
The ornamental design for a lamp base as shown.

67,440. LAMP BASE. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,921. Term of patent 3½ years.



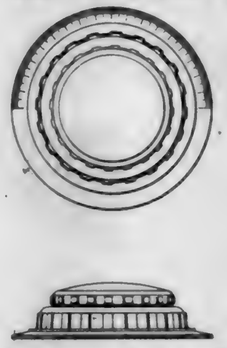
The ornamental design for a lamp base as shown.

67,441. SPINDLE FOR LIGHTING FIXTURES. WILLIAM ABRAMS, Chicago, Ill. Filed Jan. 5, 1925. Serial No. 11,923. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures as shown.

67,442. INSTRUMENT KNOB OR SIMILAR ARTICLE. JAMES P. BURKE, Newark, N. J. Filed Mar. 31, 1925. Serial No. 12,965. Term of patent 7 years.



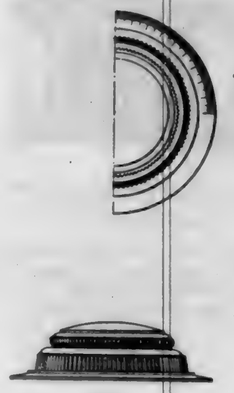
The ornamental design for an instrument knob or similar article as shown.

67,443. INSTRUMENT KNOB OR SIMILAR ARTICLE. JAMES P. BURKE, Newark, N. J. Filed Mar. 31, 1925. Serial No. 12,967. Term of patent 7 years.



The ornamental design for an instrument knob or similar article as shown.

67,444. INSTRUMENT KNOB OR SIMILAR ARTICLE. JAMES P. BURKE, Newark, N. J. Filed Mar. 31, 1925. Serial No. 12,966. Term of patent 7 years.



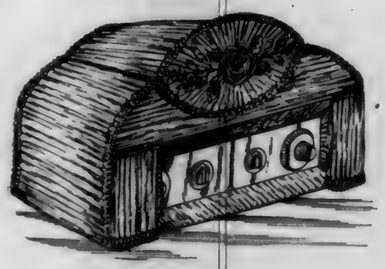
The ornamental design for an instrument knob or similar article as shown.

67,445. GLASS LUMINAIRE FOR LIGHTING FIXTURES. JAMES A. COMBERFORD, Philadelphia, Pa., assignor to Gill Glass Company, Inc., Philadelphia, Pa., a Corporation of New York. Filed Feb. 14, 1924. Serial No. 8,635. Term of patent 7 years.



The ornamental design for glass luminaire for lighting fixtures as shown.

67,446. COMBINED RADIOCABINET AND TABLE LAMP. HENRY R. DURINICK, New York, N. Y. Filed Mar. 10, 1925. Serial No. 12,678. Term of patent 14 years.



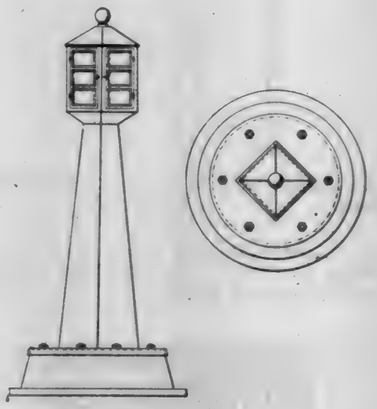
The ornamental design for a combined radiocabinet and table lamp, as shown.

67,447. BOTTLE. JOHN T. EANEFF, PAUL TOLEFF, and TALB TANEFF, Kenmore, Ohio. Filed Feb. 20, 1925. Serial No. 12,442. Term of patent 14 years



The ornamental design for a bottle, as shown.

67,448. TRAFFIC-SIGNAL CASING. ERNEST E. EAST, Los Angeles, Calif., assignor to Automobile Club of Southern California, Los Angeles, Calif., a Corporation of California. Filed Feb. 11, 1924. Serial No. 8,608. Term of patent 14 years.



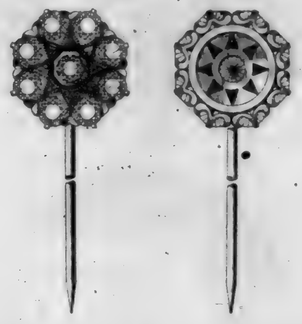
The ornamental design for a traffic signal casing, as shown.

67,449. BIRD-CAGE STAND. ANDREW V. ERVING, Detroit, Mich. Filed Mar. 20, 1922. Serial No. 1,272. Term of patent 3½ years.



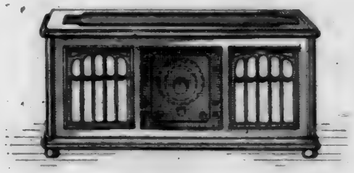
The ornamental design for a bird cage stand as shown.

67,450. SCARFPIN OR SIMILAR ARTICLE. MEYER FAIGIN, Brooklyn, N. Y., assignor to Faigin Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 25, 1925. Serial No. 12,484. Term of patent 7 years.



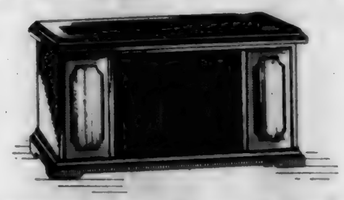
The ornamental design for a scarfpin or similar article, as shown.

67,451. RADIOCABINET. HUGO GERNSBACK, New York, N. Y. Filed Mar. 28, 1925. Serial No. 12,930. Term of patent 3½ years.



The ornamental design for a radiocabinet as shown.

67,452. RADIOCABINET. HUGO GERNSBACK, New York, N. Y. Filed Mar. 28, 1925. Serial No. 12,931. Term of patent 3½ years.



The ornamental design for a radiocabinet as shown.

67,453. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,826. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,454. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,827. Term of patent 14 years.



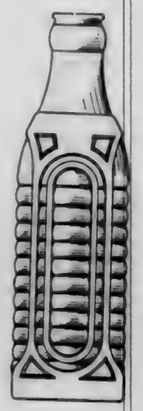
The ornamental design for a bottle, substantially as shown.

67,455. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,828. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,456. BOTTLE. PAUL A. GINTER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,829. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,457. LOCK. FREDERICK GOERTS, Newark, N. J., assignor to August Goerts & Co., a Corporation of New Jersey. Filed Dec. 27, 1924. Serial No. 11,812. Term of patent 7 years.



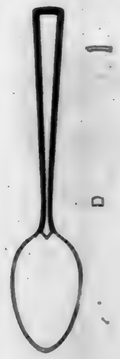
The ornamental design for a lock, as shown.

67,458. SPOON OR SIMILAR ARTICLE. PETER J. GORDON, Sag Harbor, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed Mar. 24, 1925. Serial No. 12,860. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

67,459. SPOON OR SIMILAR ARTICLE. PETER J. GORDON, Sag Harbor, N. Y., assignor to Joseph Fahys & Co., New York, N. Y., a Corporation of New York. Filed Mar. 9, 1925. Serial No. 12,661. Term of patent 14 years.



The ornamental design for a spoon or similar article, as shown.

67,460. BUTTON. WILLIAM W. HOBB, New York, N. Y. Filed Feb. 20, 1925. Serial No. 12,433. Term of patent 3½ years.



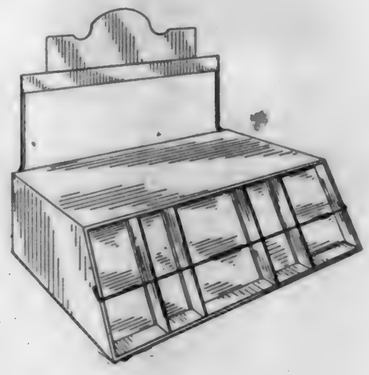
The ornamental design for a button as shown.

67,461. BUTTON. WILLIAM W. HOBB, New York, N. Y. Filed Feb. 25, 1925. Serial No. 12,481. Term of patent 3½ years.



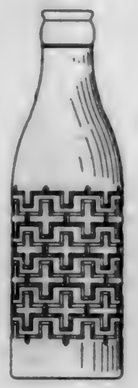
The ornamental design for a button as shown.

67,462. COMBINATION MERCHANDISE AND ADVERTISING DISPLAY STAND. ALBERT C. JACKSON, Dayton, Ohio. Filed Dec. 31, 1924. Serial No. 11,832. Term of patent 3½ years.



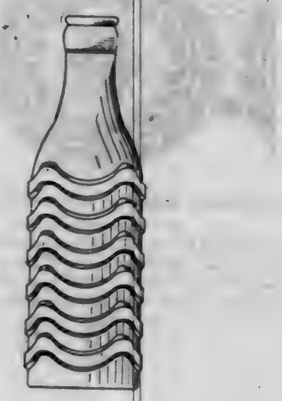
The ornamental design for a combination merchandise and advertising display stand, as shown.

67,463. BOTTLE. SIGFRID W. JOHNSON, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,848. Term of patent 14 years.



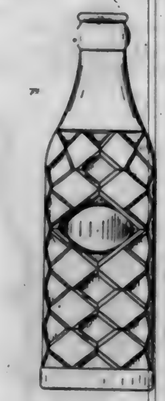
The ornamental design for a bottle, substantially as shown.

67,464. BOTTLE. SIGFRID W. JOHNSON, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,849. Term of patent 14 years.



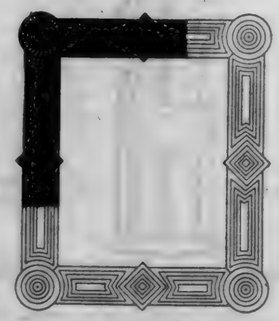
The ornamental design for a bottle, substantially as shown.

67,465. BOTTLE. SIGFRID W. JOHNSON, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar 23, 1925. Serial No. 12,850. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,466. PICTURE FRAME. KASIMIERZ KLIMEK, Gowanda, N. Y., assignor of one-half to Stanislaw Flis, Gowanda, N. Y. Filed May 19, 1924. Serial No. 9,648. Term of patent 3½ years.



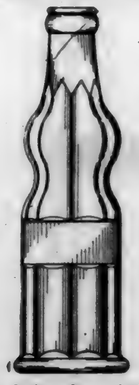
The ornamental design for a picture frame, as shown.

67,467. HOUSING FOR MOTOR ATTACHMENT FOR MEASURING PUMPS. EMIL A. MALHERBE, Philadelphia, Pa. Filed Sept. 28, 1922. Serial No. 3,835. Term of patent 14 years.



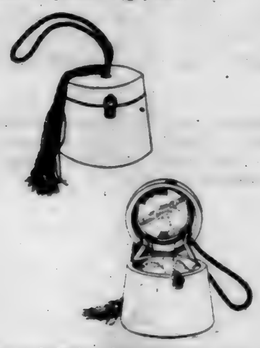
The ornamental design for a housing for motor attachment for measuring pumps, as shown.

67,468. BOTTLE. GEORGE N. MAS, Washington, D. C., assignor to Henry F. Vaughan, Washington, D. C. Filed July 23, 1924. Serial No. 10,240. Term of patent 14 years.



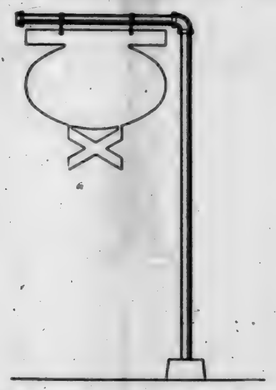
The ornamental design for a bottle, as shown.

67,469. VANITY CASE. JOSEPH NATHANSON, San Francisco, Calif. Filed May 31, 1922. Serial No. 2,480. Term of patent 3½ years.



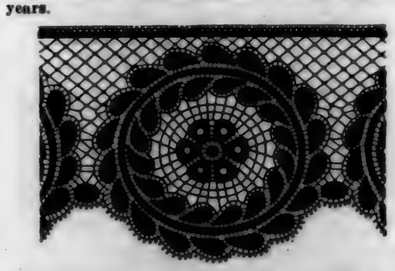
The ornamental design for a vanity case, as shown.

67,470. SIGN-DISPLAY BOARD. FITZHUGH L. OVERTON, Shreveport, La. Filed Jan. 7, 1924. Serial No. 8,256. Term of patent 14 years.



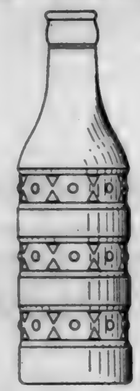
The ornamental design for a sign display board as shown.

67,471. LACE. SAMUEL H. PAGE, Stratford, Conn., assignor to The American Fabrics Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 12, 1925. Serial No. 12,696. Term of patent 14 years.



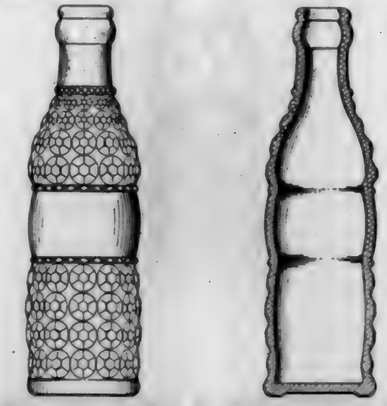
The ornamental design for lace substantially as shown.

67,472. BOTTLE. ALICE K. PICKER, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 23, 1925. Serial No. 12,843. Term of patent 14 years.



The ornamental design for a bottle, substantially as shown.

67,473. BOTTLE. ISAAC POLES, New Rochelle, N. Y. Filed Apr. 11, 1925. Serial No. 13,090. Term of patent 3½ years.



The ornamental design for a bottle as shown.

67,474. GLASS DOORKNOB. MAX H. ROSENTHAL, Los Angeles, Calif., assignor to Technical Glass Company, Inc., Los Angeles, Calif. Filed Mar. 2, 1925. Serial No. 12,528. Term of patent 7 years.



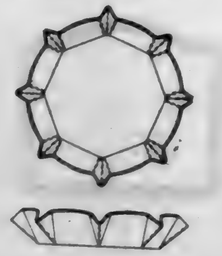
The ornamental design for a glass doorknob, as shown.

67,475. BOTTLE. EDWIN ROSS, New York, N. Y. Filed Apr. 11, 1925. Serial No. 13,093. Term of patent 14 years.



The ornamental design for a bottle as shown.

67,476. PLATE OR SIMILAR ARTICLE. HARRY E. RUCKERT, Philadelphia, Pa. Filed Mar. 28, 1925. Serial No. 12,938. Term of patent 14 years.



The ornamental design for a plate or similar article, substantially as shown.

67,477. PRINTED FABRIC. CHARLES SCHEFFRES, New York, N. Y., assignor to Charles Scheffres & Co., New York, N. Y., a Copartnership composed of Charles Scheffres and Louis Scheffres. Filed Mar. 23, 1925. Serial No. 12,821. Term of patent 7 years.



The ornamental design for printed fabric, as shown.

67,478. PILLOW COVER. SARAH SHAPIRO, Waterbury, Conn. Filed Dec. 10, 1924. Serial No. 11,659. Term of patent 3½ years.



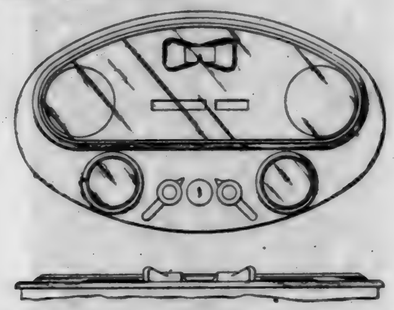
The ornamental design for a pillow cover as shown.

67,479. PLAQUE. JAMES E. WARD, Springfield, Ohio, assignor to The Chaney Manufacturing Company, Springfield, Ohio, a Corporation of Ohio. Filed Dec. 23, 1924. Serial No. 11,773. Term of patent 3½ years.



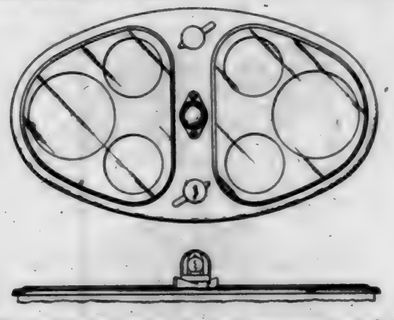
The ornamental design for a plaque substantially as shown.

67,480. INSTRUMENT PANEL. FREDERIK C. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 3, 1922. Serial No. 2,062. Term of patent 7 years.



The ornamental design for an instrument panel substantially as shown.

67,481. INSTRUMENT PANEL. FREDERIK C. WHITTINGTON, Evanston, Ill., assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill., a Corporation of Virginia. Filed May 3, 1922. Serial No. 2,064. Term of patent 7 years.



The ornamental design for an instrument panel substantially as shown.

67,482. ROCKER SWING. ARTHUR WURDACK, Normandy, Mo. Filed Oct. 13, 1923. Serial No. 7,491. Term of patent 14 years.



The ornamental design for a rocker-swing, as shown.

67,483. RING. JOHN L. COLEMAN, New York, N. Y. Filed Jan. 23, 1925. Serial No. 12,117. Term of patent 7 years.



The ornamental design for a ring, as shown.

67,484. RECEPTACLE INCLOSURE. MABEL KLEIN, St. Louis, Mo. Filed Mar. 14, 1925. Serial No. 12,718. Term of patent 3½ years.

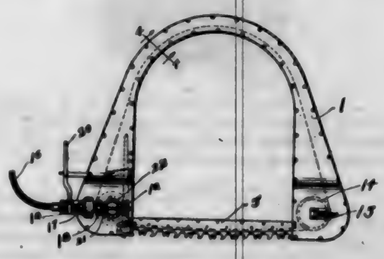


The ornamental design for a receptacle inclosure, as shown.

PATENTS

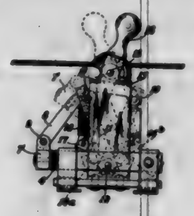
GRANTED JUNE 2, 1925.

1,539,818. CROSSCUT SAW. EDWARD P. ARENDAU, Spokane, Wash. Filed June 19, 1922, Serial No. 569,509. Renewed Mar. 2, 1925. 1 Claim. (Cl. 143—82.)



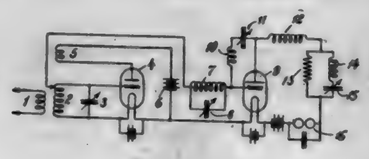
The combination with a yoke shaped housing having spaced track plates therein, a guide bridge connecting the opposite ends of said yoke, and a guide wheel in one end of said yoke, a power wheel in the other end of the yoke and means for revolving said wheel, a chain saw comprising pivoted links adapted to ride on the edges of said track plates and fashioned with cutting teeth, sprocket teeth on some of said links adapted to pass between said plates, and anti-friction rollers on said power wheel co-acting with said sprocket teeth.

1,539,819. SNAP SWITCH. CHRISTIAN AALBORG, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 30, 1920. Serial No. 406,844. 3 Claims. (Cl. 200—67.)



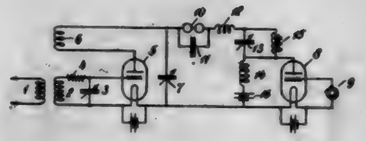
1. In an electric switch, the combination with a base, a stationary contact member, and a movable contact member pivotally supported from the base, of an outwardly extending arm carried by the movable contact member, a handle pivotally supported at a point remote from the base and provided with an arm extending inwardly past the first mentioned arm, a resilient connection between the remote ends of the respective arms, and a pair of spaced stop shoulders connected to the movable contact member and engaged and actuated by the handle for imparting positive movement to the movable contact member in either direction during a portion of its movement.

1,539,820. WAVE SIGNALING SYSTEM. EDWIN H. ARMSTRONG, Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 8, 1922. Serial No. 566,682. 6 Claims. (Cl. 179—171.)



1. An electric regenerative system adapted to produce super-regenerative action, including a feed-back circuit having a certain degree of damping, and means for periodically varying the relation between the amount of feed-back and the degree of damping of the system comprising, an oscillating system adapted to supply an auxiliary frequency to the regenerative system, and a resistance connected in said oscillating system for obtaining substantial proportionality in the response of the system.

1,539,821. WAVE SIGNALING SYSTEM. EDWIN H. ARMSTRONG, Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 8, 1922. Serial No. 566,684. 4 Claims. (Cl. 179—171.)

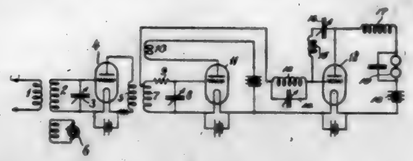


1. The method of operating a super-regenerative system having a certain degree of damping and which includes an oscillating system producing an auxiliary frequency for periodically varying the relation between the amount of regeneration and the damping of the system, which includes producing an inductive reaction within the system, and neutralizing and compensating for said reaction.

1,539,822. WAVE SIGNALING SYSTEM. EDWIN H. ARMSTRONG, Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 8, 1922. Serial No. 566,685. 3 Claims. (Cl. 179—171.)

1. The method of selectively amplifying varying electric currents which comprises impressing the current to be amplified on a circuit tuned to the frequency of said

current, combining the current with locally generated oscillations to produce a current of different frequency, impressing said different frequency current upon a regenera-



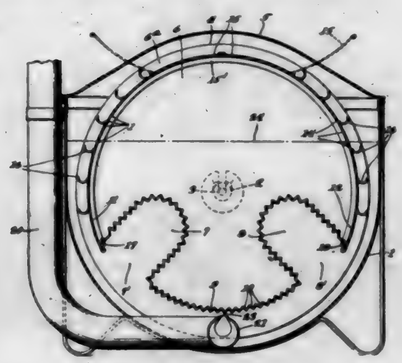
tive system having a certain degree of damping and periodically varying the relation between the amount of regeneration and the degree of damping of the system, whereby super-regenerative action is obtained.

1,539,823. COLLAPSIBLE OR DEFORMABLE TUBE. FREDERIC E. BALDWIN, Philadelphia, Pa. Filed Apr. 5, 1924. Serial No. 704,369. 4 Claims. (Cl. 221—60.)



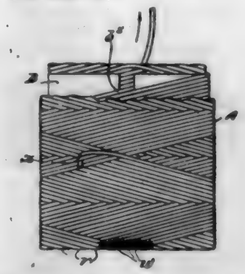
1. A method of forming a hinge lug on a collapsible tube having a semi-rigid breast portion which consists in striking up or exuding a pair of closely adjacent lugs on said breast portion, placing the pintle portion of a cap retainer between said lugs and then pinching the upper portions of said lugs together so as to form an eye for said pintle portion.

1,539,824. WASHING MACHINE. PERCY E. BARKER, Cleveland, Ohio, assignor of one-half to Thomas B. Van Dorn, Cleveland, Ohio. Filed Oct. 12, 1921. Serial No. 507,249. 7 Claims. (Cl. 68—21.)



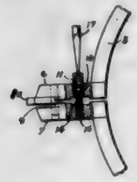
1. A washing machine, comprising a fluid containing casing, a drum rotatable on a horizontal axis therein, said drum being provided in its lower portion with a plurality of pockets located symmetrically with respect to a vertical plane through the drum axis, and means for supplying gaseous medium beneath said drum to alternately enter said pockets on the two sides of said plane and rotate the drum alternately in opposite direction.

1,539,825. WINDING CORDAGE. HENRY A. BODWELL, Andover, Mass., assignor to Smith & Dove Manufacturing Co., Andover, Mass., a Corporation of Massachusetts. Filed Aug. 9, 1924. Serial No. 731,076. 13 Claims. (Cl. 242—2.)



1. A wound cordage package adapted to be unwound from within having therein a reinforcing inclusion held between the windings and adapted to maintain the relation of the windings against distorting stresses.

1,539,826. END-PIECE-CLAMPING MEANS. WILLIAM H. BOUTELLE, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Nov. 14, 1923. Serial No. 674,751. 3 Claims. (Cl. 88—53.)



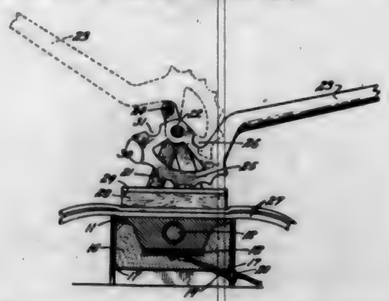
1. An end-piece clamping means of the character described comprising a screw threaded head-piece, a screw threaded tail-piece, the screw threads of the said head- and tail-pieces being of different pitches.

1,539,827. METHOD AND MECHANISM FOR CONTROLLING THE DISCHARGE OF LUBRICANT FROM LUBRICATORS. PAUL BROWN, Philadelphia, Pa., assignor, by mesne assignments, to John Rome Battle, Ardmore, Pa. Filed Sept. 5, 1922. Serial No. 586,086. 7 Claims. (Cl. 184—45.)



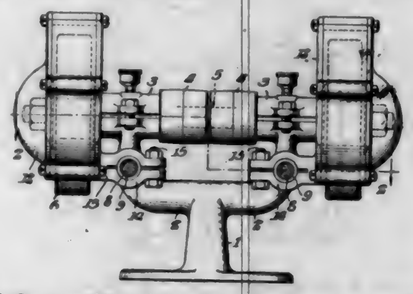
1. The method of controlling the feed of lubricant from a lubricator which consists in subjecting such lubricant to variable pressure and forcing it through a channel, and diminishing the effective length of said channel proportionately to the decrease of said pressure.

1,539,828. TUBE-PLATE VULCANIZER. CARLETON W. CAMPBELL, Denver, Colo., assignor, by mesne assignments, to Moll Manufacturing Company, a Corporation of Colorado. Filed Sept. 15, 1924. Serial No. 737,819. 7 Claims. (Cl. 18—18.)



1. A hot plate for vulcanizers having its body portion made of aluminum and its pressure containing portion formed of iron imbedded in said aluminum.

1,539,829. GUARD AND WORK-REST MOUNTING. FRANK L. COLE, Chicago Heights, Ill., assignor to Canedy-Otto Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 10, 1922. Serial No. 551,038. 7 Claims. (Cl. 51—274.)



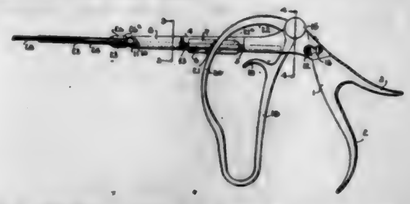
1. In a machine of the class described, the combination of a frame having an operating element mounted thereon, and means arranged co-axially on the frame and supporting respectively a guard for the operating element and a rest for holding articles in position to be operated upon by said element.

1,539,830. MEANS FOR HOLDING LENSES AND THE LIKE. EDWARD CULVER, Pentonville, London, England, assignor to George Culver, Limited, Pentonville, London, England. Filed May 31, 1924. Serial No. 717,008. 7 Claims. (Cl. 88—57.)



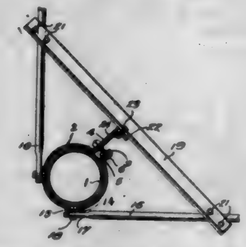
1. In an optical instrument, means for holding a lens consisting of two rings whose inner peripheries are bevelled forming surfaces to hold the lens by a wedging action and whose outer peripheries are bevelled forming surfaces by which the rings may be held together by a wedging action, and means for securing the rings.

1,539,831. UNIVERSAL HANDLE FOR SURGICAL INSTRUMENTS. EMORY C. DAY, Laguna Beach, Calif. Filed Oct. 23, 1922. Serial No. 596,396. 10 Claims. (Cl. 128—320.)



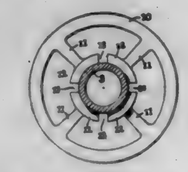
1. A handle or holder for surgical instruments including the combination with a stock and a handhold shaped to fit the palm of the hand, said stock having parallel longitudinal guideway channels and an instrument carrier reciprocably mounted in said channels, of a lever engageable by the fingers and pivoted to the stock and having an integral cam surface directly engageable with the instrument carrier between and in the longitudinal plane of said channels to direct the carrier inwardly in the channels when the lever is moved toward the handhold.

1,539,832. CLAMPING ELEMENT. CHARLES DRAKE, Mannington, W. Va. Filed June 2, 1923. Serial No. 643,092. 1 Claim. (Cl. 189—19.)



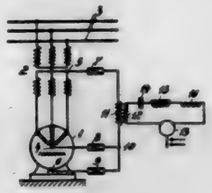
A derrick clamp comprising a body portion adapted to embrace the abutting ends of adjacent leg sections of a derrick, the edges of said body portion being provided with outwardly extended, substantially parallel flanges, said flanges being provided with openings for the reception of bolts, the upper and lower ends of said body portion being provided with ears, means for securing the diagonal braces to said ears, means for securing the horizontal girths to the body portion of said clamping element, a web formed on the outer edge of one of said flanges, and a bracing member secured to said web and to said girths.

1,539,833. CONVEYER ROLL FOR FURNACE USE. FRANK A. FAHRENWALD, Cleveland Heights, Ohio. Filed June 26, 1924. Serial No. 722,545. 6 Claims. (Cl. 214—18.)



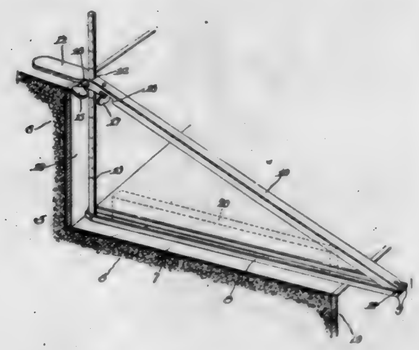
1. A roll for the purpose described comprising a continuous circular rim, spokes integral therewith, and segmental blocks integral with the respective spokes and collectively defining a hub, said blocks being separate from each other.

1,539,834. SAFETY SYSTEM FOR ALTERNATING-CURRENT GENERATORS. WILHELM GAARS, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y., a Corporation. Filed Feb. 3, 1925. Serial No. 6,602. 4 Claims. (Cl. 175—294.)



1. In a protective system for alternating-current generators having star-connected windings, a relay connected to the neutral point of the generator adapted to respond only to currents the frequency of which lies in the neighborhood of the frequency of the generator.

1,539,835. GAUGE OR TOOL. FRED GREEN, Chicago, Ill. Filed Feb. 6, 1925. Serial No. 7,362. 3 Claims. (Cl. 25—118.)



1. In a device of the class described, the combination with a base bar, of a lever bar pivotally mounted at one of its ends on one end of said base bar and having near its other end an opening, an arm movably extended through said opening and pivotally secured to said base bar near its other end, and co-operating means on said arm and the lever bar for holding them in fixed relation to one another.

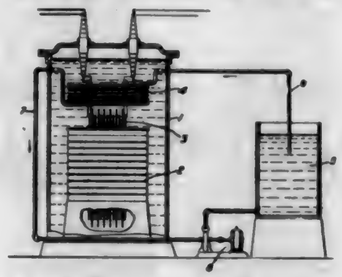
1,539,836. FOOTWEAR-REFLECTING DEVICE. OTIS R. HASTY, Elgin, Ill. Filed Mar. 21, 1924. Serial No. 700,773. 4 Claims. (Cl. 88—1.)

4. A device of the character set forth comprising a mirror located in a position adapted to receive an image of an object placed in front thereof and reflect the said image upwardly, a second mirror located above the first-mentioned mirror in a position adapted to receive the said reflected image from the first-mentioned mirror and reflect the said image downwardly and to the rear, and a third mirror located above the first-mentioned



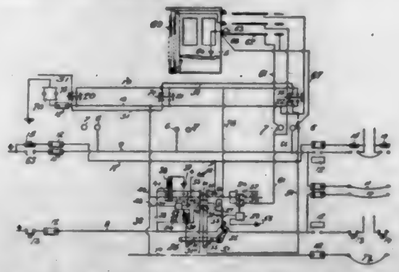
mirror in a position adapted to receive the said reflected image from the said second mirror and reflect the said image substantially horizontally and to the front.

1,539,837. TRANSFORMER COOLING SYSTEM. STEPHEN Q. HAYES, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 15, 1919. Serial No. 317,669. 5 Claims. (Cl. 175—361.)



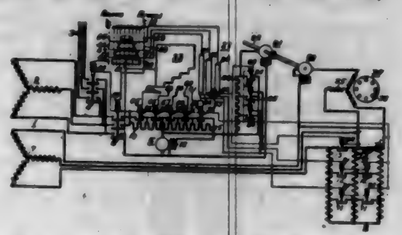
1. In a transformer, a core and inductively related coils, an insulating fluid surrounding said coils, and a cooling coil in contact with said insulating fluid through which a cooling fluid may flow, pressure governing means comprising means for initiating a siphonal flow of said cooling fluid through said coil, and means for thereafter maintaining the flow without power consumption.

1,539,838. DOORLOCK MECHANISM FOR MULTIPLE-UNIT CAR-DOOR-CONTROL SYSTEMS. FRANK HEDLEY, Yonkers, and JAMES S. DOYLE, Mount Vernon, N. Y. Filed June 17, 1922. Serial No. 569,071. 46 Claims. (Cl. 105—341.)



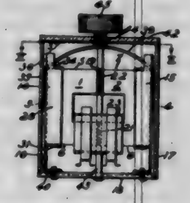
10. A train of cars each having doors, a locking device for each door, and means to actuate the locking devices into locking position in multiples of units of the cars, and only when all the doors of the respective multiples are in position to be locked.

1,539,839. INDUCTION-MOTOR-CONTROL SYSTEM. RUDOLF E. HELLMUND, Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 23, 1920. Serial No. 367,995. 5 Claims. (Cl. 172—274.)



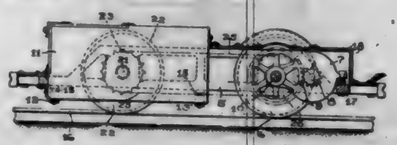
4. In a control system, the combination with an induction motor having a primary and a secondary winding, and a source of direct current for effecting the dynamic braking of said motor, of an inductive device included in the circuit of said secondary winding, and a device responsive to the current traversing the circuit of said inductive device for adjusting the energization of said primary winding during dynamic braking of said motor.

1,539,840. TRANSFORMER. PAUL M. HEINSTENBERG, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,545. 16 Claims. (Cl. 171—119.)



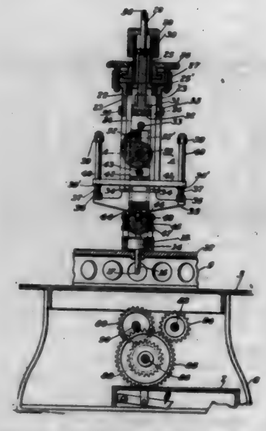
2. A transformer core comprising a pair of separate portions, each portion having arms, corresponding arms of the respective portions being adjacently disposed, means for resiliently positioning said portions in a predetermined position and additional resilient means for adjusting the spacing of said co-operating arms.

1,539,841. ELECTRIC LOCOMOTIVE. GEORGE H. F. HOLY, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 13, 1922. Serial No. 528,988. 5 Claims. (Cl. 105—51.)



1. The combination, in an electric vehicle, of a wheeled axle, a motor for driving the axle, a pair of side frames, a wheel supported by each of the side frames at points removed from the said axle, each of the said wheels being independently mounted, a battery compartment, and means disposed below the axes of the said wheels for supporting the said compartment.

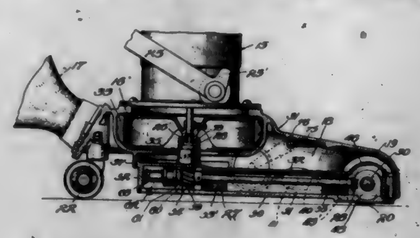
1,539,842. MACHINE FOR FORMING GLASS ARTICLES. CHARLES H. R. HOWE, Pittsburgh, Pa. Filed Aug. 10, 1922. Serial No. 581,018. 20 Claims. (Cl. 49—37.)



1. A machine for forming glass articles comprising a supporting structure, a rotatable mold carrying table thereon, an annular series of molds on the table, means for intermittently rotating the table through a limited arc, a vertically reciprocable press cooperating with the molds for forming the articles as the molds are brought successively under the press, a rotatable cam, and means engaging the cam for raising and lowering the press, said cam being so arranged as to enable the press to be lowered independently thereof when the cam is in a certain predetermined position.

13. The combination with a glass article forming machine comprising a supporting frame on which is mounted a rotatable table, a series of molds having vertically movable center portions on the table, means for intermittently rotating the table, a press cooperating with the molds, means for raising the central parts of the molds above the other parts after they have passed the press, of a rotating stripping means adapted to swing over the molds when the central parts are elevated having a pair of pivoted depending jaws on said stripping means for gripping the opposite edge of an article on said elevated mold and removing it therefrom.

1,539,843. VACUUM CLEANER. JOHN T. HUME, Chicago, Ill., assignor to Hurley Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1921. Serial No. 519,230. 15 Claims. (Cl. 15—8.)



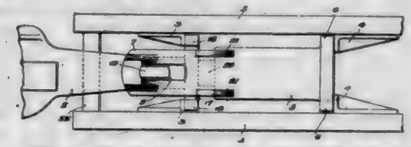
1. In a vacuum cleaner, having a main nozzle-structure arranged at definite elevation above the work-plane, a sub-nozzle structure freely movable in the main nozzle toward and from said work-plane and unaffected by the weight of the main nozzle structure.

1,539,844. PLASTER SUPPORT FOR WALLS. FRANK S. HUTCHINSON, Flushing, N. Y., assignor to Plastue Mfg. Corporation, Syracuse, N. Y., a Corporation of New York. Filed Feb. 12, 1923. Serial No. 618,515. 7 Claims. (Cl. 72—16.)



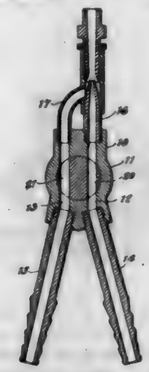
1. As an improved article of manufacture, a plaster support for walls comprising an essentially flat paper body having the outer surface portion of porous untreated paper to effect a bond with the plaster, and the back water-proofed.

1,539,845. DRAFT CONNECTION FOR CAR COUPLINGS. ROBERT E. L. JANNEY, Chicago, Ill.; Gardner L. Boothe, executor of said Robert E. L. Janney, deceased, assignor to Nannie Hamilton Janney, Alexandria, Va. Filed Feb. 19, 1921. Serial No. 446,284. 6 Claims. (Cl. 213—65.)



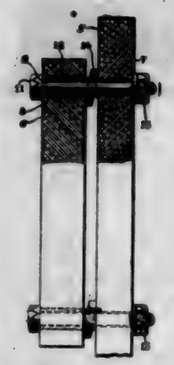
1. The combination of a gear case having top and bottom pulling arms extending forwardly therefrom, a coupler shank between the pulling arms, and a vertical draft key of the M. C. B. type extending through the pulling arms and the shank, the top of the shank bearing against the upper pulling arm, and the bottom of the shank being spaced above the lower pulling arm, there being a space between the draft key and one of the other elements of the connection to permit vertical angling of the shank.

1,539,846. OPTICAL-INSTRUMENT DRIER. JOHN O. JANSSON, Hoboken, N. J., assignor to Keuffel and Esser Company, Hoboken, N. J., a Corporation of New Jersey. Filed Dec. 29, 1923. Serial No. 683,311. 4 Claims. (Cl. 34—26.)



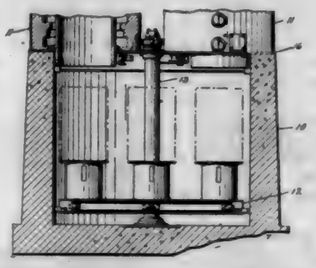
3. A drying apparatus comprising an ejector including pressure and vacuum ducts extending therethrough, a valve associated with said ejector and provided with two ducts communicating with the ducts of the ejector and also adapted to close said ejector ducts to the atmosphere and to bring the pressure duct into communication with the vacuum duct, and means for indicating the position of the valve ducts and to arrest the movement of the valve at the position of slow leakage from the pressure duct of the ejector into the vacuum duct.

1,539,847. SWITCHBOARD STRUCTURE. WILLARD H. KEMPTON, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1922. Serial No. 574,761. 5 Claims. (Cl. 175—298.)



1. A fastening member for securing a base member to a support comprising a bolt having an enlarged portion for engaging the base and limiting outward movement thereof with respect to the support, means limiting inward movement of the enlarged portion, and a yielding means between the base and the support for yieldingly pressing the base into engagement with the enlarged portion of the bolt and retaining the base in spaced relation to the support.

1,539,848. FURNACE. CHARLES F. KENWORTHY, Waterbury, Conn., assignor to Charles F. Kenworthy, Incorporated, Waterbury Conn., a Corporation of Connecticut. Filed Feb. 14, 1924. Serial No. 692,700. 14 Claims. (Cl. 266—4.)



1. In combination, a furnace, a tank below the furnace, an elevator connected with the furnace, and means exterior to and adjacent to the top of the tank for effecting self-rotation of the elevator.

1,539,849. GATE AND ATTACHMENT FOR SAME. ALFRED W. KNUTSON, Peoria, Ill., assignor to George G. Bayne, Bushnell, Ill. Filed Oct. 6, 1922. Serial No. 592,820. 1 Claim. (Cl. 39—81.)

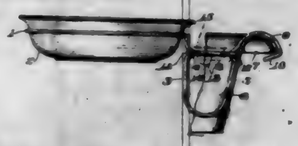
A gate structure, comprising a gate including a plurality of spaced boards connected by sets of angle-irons, one set at least located at or near the ends of the boards

with outwardly projecting flanges, and a hinge attachment comprising a vertically disposed channel bar having inturned edges to embrace and form guides for the



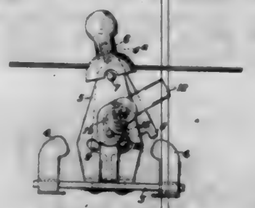
flanges of said set of angles at the end of the gate and to provide a telescopic relation between the gate and angles and said channel bar, and means to fix the gate in adjusted positions on said channel bar.

1,539,850. BRACKET. FRANK J. KOSTENBAUDER, Philadelphia, Pa. Filed Jan. 16, 1922. Serial No. 529,523. 2 Claims. (Cl. 45—38.)



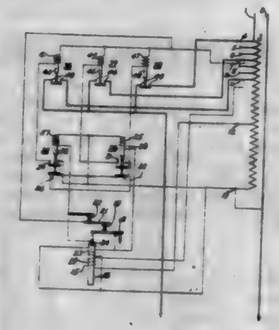
1. A bracket, comprising a loop adapted to receive and surround the major portion of a receptacle, the ends of said loop being directed downwardly and thence curved reversely upwardly to form substantially parallel U-shaped portions, and the ends of said portions being thence curved outwardly away from said loop and reversely to form hooks adapted to engage a supporting member to support said bracket, the opposite sides of each of said U-shaped portions being provided with substantially semi-circular loops, and a frame member extending through said last-named loops, and operative to prevent the bending of the U-shaped portions, thereby increasing the relative rigidity of the bracket loop and hooks, said frame member being operative to receive and support a second receptacle.

1,539,851. SNAP SWITCH. HUBERT K. KRANTZ, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 24, 1920. Serial No. 412,469. 3 Claims. (Cl. 200—67.)



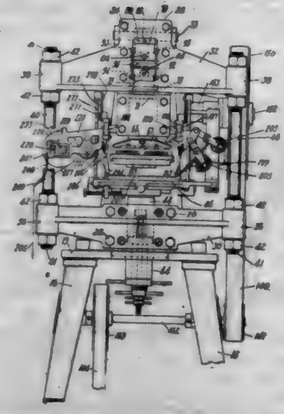
1. The combination in an electric switch, of a frame, a contact carrier of U-shape pivotally supported on the frame, an operating lever pivotally supported on the frame at a point above the support for the carrier, spaced lugs carried by the lever and disposed at opposite sides of the carrier to effect a lost-motion connection between the lever and the carrier, and a yielding connection between the lever and the carrier, said yielding connection being secured to the lever at a point eccentric of its pivotal support.

1,539,852. REGULATOR SYSTEM. EDWIN E. LANE, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1921. Serial No. 501,145. 8 Claims. (Cl. 171—119.)



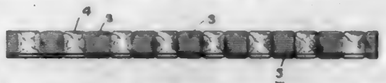
2. In a regulator system, the combination with a regulating transformer comprising a plurality of sections, of means for varying the number of sections of said transformer which are included in circuit, said means comprising a control magnet, contact members controlled by said magnet, control relays having energizing coils controlled by said contact members and a second set of relays controlled by said first mentioned relays.

1,539,853. MACHINE FOR APPLYING METALLIC LEAF. GEORGE E. LITTLEFIELD, Providence, R. I., assignor to American Roll Gold Leaf Company, Providence, R. I., a Corporation of Rhode Island. Filed May 26, 1924. Serial No. 715,867. 6 Claims. (Cl. 41—7.)



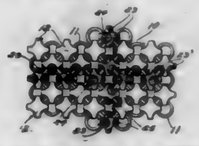
1. In a metallic leaf applying machine, a frame, a work support in the frame, a plunger slidably mounted in the frame above the support, a main shaft in the frame, a second shaft in the frame, a cam on the first shaft, a lever on the second shaft engaging the cam, a link on the lever, a toggle arm carried by the link attached to the head, a second toggle arm carried by the link engaging the plunger, horizontal guides on the frame beside the plunger, a reciprocating carriage slidably mounted on the guides movable to and from the plunger, metallic strips supported by the carriage in a plane between the plunger and the support, a second cam on the main shaft, and operative connections between the last mentioned cam and the carriage.

1,539,854. PACKAGE. CHARLES H. MACDONALD, Montclair, N. J., assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J., a Corporation of Delaware. Filed June 7, 1919, Serial No. 302,548. Renewed Oct. 30, 1924. 3 Claims. (Cl. 206—46.)



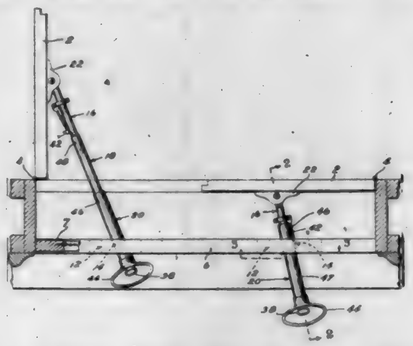
1. The method of packaging articles which includes coating a strip of flexible material with a plastic material arranging articles to be packaged on said strip in spaced relation, folding said strip longitudinally with a coated surface inside to enclose said articles in spaced relation, and pressing opposed interior surfaces into adhering contact between the enclosed articles.

1,539,855. METHOD OF ORNAMENTING COAT-OF-MAIL MESH FABRIC. SAHATJEL G. MANDALIAN, North Attleboro, Mass. Filed June 24, 1924. Serial No. 721,996. 3 Claims. (Cl. 101—129.)



1. A method of imparting a mottled appearance to a metallic coat of mail fabric consisting in placing over the fabric to be treated a metallic plate provided with a series of holes, and injecting through the holes and into the interstices of the fabric a spray of liquid enamel.

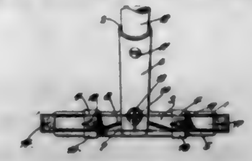
1,539,856. CASEMENT-WINDOW HOLDER. EARL L. MARTIN, Miami, Fla. Filed July 18, 1924. Serial No. 726,661. 5 Claims. (Cl. 292—262.)



1. A casement window holder comprising a plurality of tubular telescoping sections, means within said tubular sections normally tending to lock said sections when in extended position, and means partially within said tubular sections movable longitudinally of said holder for withdrawing said locking means when desired so as to permit said sections to telescope.

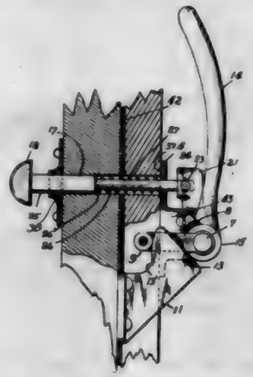
1,539,857. DEVICE FOR CLEANING WALLS AND CEILINGS. HERBERT A. MARTIN, St. Louis, Mo. Filed Sept. 24, 1924. Serial No. 739,498. 2 Claims. (Cl. 15—147.)

1. A device of the character described comprising a plate, a flange integral with one edge of said plate, a material pressing device supported by said flange, an additional plate cooperating with said first plate to form



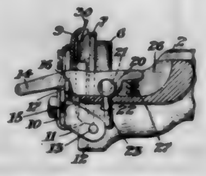
a jaw, a projection extending from each of said plates, and a clamping device passing through said projections and holding said plates in proper relationship.

1,539,858. AUTOMATIC ROLLER FASTENER. JOHN J. MONROW, New York, N. Y., assignor to A. C. Wicke Manufacturing Company, New York, N. Y., a Corporation of New York. Filed June 9, 1924. Serial No. 718,737. 7 Claims. (Cl. 292—221.)



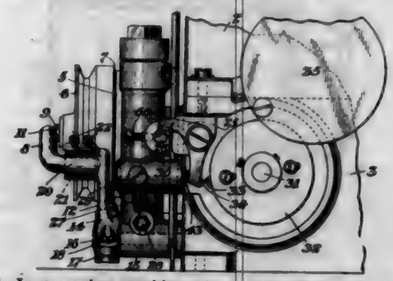
1. A fastener for doors, comprising a latch for holding the door closed, a hand lever disposed adjacent the edge and upon the face of the door for releasing the latch from the outside of the door, a plunger rod extending through the door, a spring within the walls of said door and surrounding a portion of said rod, said plunger rod being associated with said latch so that the spring is placed under compression when the lever is moved to release the latch and to return the latch to locking position.

1,539,859. BOBBIN-CASE LATCH FOR SEWING MACHINES. GEORGE W. NELSON, Cleveland, Ohio, assignor to The Standard Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 15, 1923. Serial No. 619,180. 8 Claims. (Cl. 112—231.)



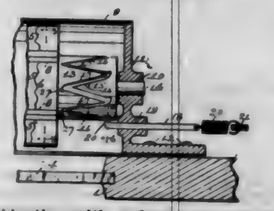
1. In a sewing machine, the combination with a rotary hook having an open chamber in its face side, a non-rotary bobbin-case loosely seated in said chamber, and a movable bobbin-case holder, of a pivoted latch for retaining the holder in closed position, and a pivot support for said latch adjustable to shift the latch and thereby control the position of the holder relatively to the bobbin-case.

1,539,860. STOP MECHANISM FOR SEWING MACHINES. GEORGE W. NELSON, Cleveland, Ohio, assignor to The Standard Sewing Machine Company, Cleveland, Ohio, a Corporation of Ohio. Filed Mar. 21, 1923. Serial No. 626,687. 11 Claims. (Cl. 192—149.)



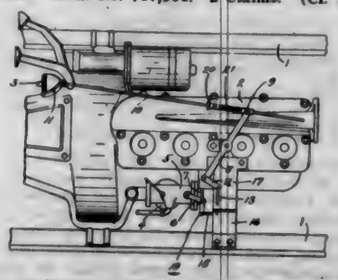
1. In a sewing machine, the combination with its operating shaft, of a stop member fixed on said shaft, a movable frame having a chamber open at one side thereof, a stop device in said chamber for cooperating through the open side thereof with the stop member on the shaft, spring buffers in said chamber engaging the stop device at opposite ends thereof, and means for shifting the frame to bring its supported stop device to and from position for cooperation with the stop member on the shaft.

1,539,861. ADVERTISING DEVICE. LYLE A. PANGBORN, Paris, Mich. Filed May 19, 1924. Serial No. 714,191. 5 Claims. (Cl. 40—60.)



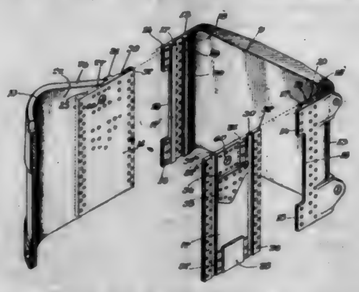
1. In combination with a door swingably mounted on its jamb, a device of the character described, comprising: a display element rotatably mounted on the door and having a cam bearing with oppositely disposed helical portions; an element having a reciprocating movement on the door and engaging in the cam bearing to rotate by said movement the display element; connections between the jamb and the reciprocating element for reciprocating the same by the swinging movement of the door.

1,539,862. BRAKE ATTACHMENT FOR MOTOR VEHICLES. WILLIAM A. PARTIN, Moline, Ill. Filed Nov. 5, 1924. Serial No. 747,904. 2 Claims. (Cl. 74—81.)



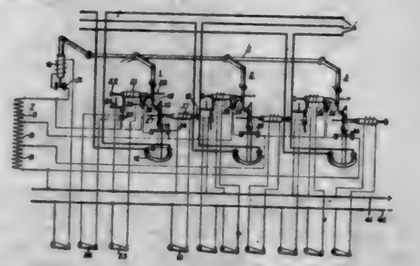
1. In combination with the motor of an automobile, and brake pedal in proximity thereto, a rod hingedly attached to said brake pedal; a lever supported transversely of said motor and provided on one of its ends with a sleeve slidable on said rod; a contact member fixed on said rod, adapted for engagement with said sleeve; and means of connection between the opposite end of said lever and the throttle valve of the motor, so as to actuate said valve coincidently with the movement of said brake pedal.

1,539,863. EXCAVATING DIPPER. EDWARD LOUIS PEMBERTON, New York, N. Y. Filed Dec. 3, 1923. Serial No. 678,089. 24 Claims. (Cl. 214—145.)



1. In an excavating dipper, the combination of a front member and a back member having confronting side extensions, and side panels, each side panel overlapping the inner faces of said extensions and having interlocking connections with a pair of extensions to form an unobstructed inner surface from front to rear of the panel.

1,539,864. CIRCUIT-INTERRUPTER SYSTEM. ALFRED J. A. PETERSON and FLOYD B. KNISKERN, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1924. Serial No. 698,889. 5 Claims. (Cl. 175—294.)

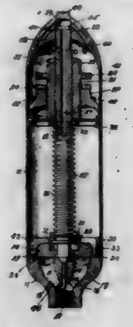


1. In combination, a plurality of circuit interrupters, a common actuating mechanism therefor comprising a motor, means for selectively connecting and disconnecting each of the circuit interrupters to the actuating mechanism, an impedance device in circuit with said motor and means for varying the effective value of the impedance device in accordance with the operative positions of said circuit interrupters.

1,539,865. ATTACHMENT FOR TIRE VALVES. WILLIAM H. PRATT, Kingston, N. Y. Filed Aug. 17, 1921. Serial No. 493,003. 3 Claims. (Cl. 152—11.5.)

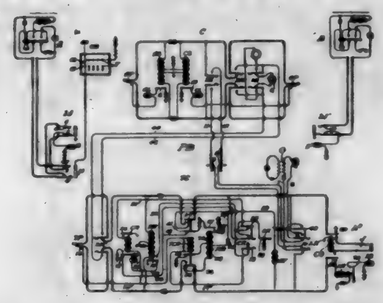
1. An attachment for tire valves for relieving a tire of excess pressure, comprising a cylinder internally screw threaded at its lower end for attachment to a tire valve and presenting relatively inner and outer concentric valve seats and an air passage therebetween, said inner valve seat presenting also a central passage therethrough, a

valve stem for closing the said central passage, said valve stem being adjustable axially of the said valve seats, a valve carried by the said valve stem and being moveable thereon, a spring engaged with the said valve



and normally holding the same upon the said inner and outer valve seats, a pin carried by the end of the valve stem and extending through said central passage to engage the valve stem of the usual tire valve, and means for adjusting the tension of the said spring.

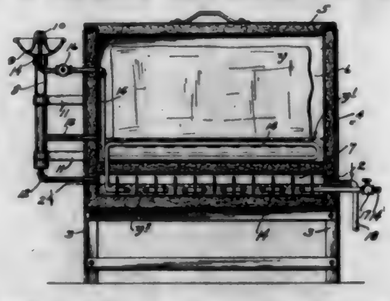
1,539,866. TELEPHONE SYSTEM. ARTHUR E. REINKE, The Hague, Netherlands, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 26, 1920. Serial No. 426,366. 11 Claims. (Cl. 179—42.)



1. A manually operated telephone system including a number of telephone lines of different classes extending from substations to terminals at an exchange switchboard, a common battery terminal block for supplying potential to the terminals of one of said classes, a connecting circuit for use in extending calls from lines of one of said classes to a distant exchange, terminals for said connecting circuit, normally opened contacts between said terminals in the conductors of said circuit, and mechanism rendered operative when connecting said circuit with a line of said class having said terminal block associated therewith to close said normally opened contacts to extend a connection to the distant exchange.

1,539,867. COOLING DEVICE FOR DRINKING FOUNTAINS. HARRY C. RIDLER, Minneapolis, Minn. Filed Aug. 12, 1922. Serial No. 581,543. 9 Claims. (Cl. 62—147.)

4. The combination with a drinking fountain, of primary and secondary refrigerating compartments both constructed to contain low temperature water, a drinking water supply conduit extended through said primary and secondary compartments and having portions that are submerged in the water contained in the said two refrigerating compartments, the said two refrigerating compartments being connected by an overflow pipe that leads from said primary compartment at a point above



the bottom thereof, and a waste cold water conduit extending from said fountain and arranged to cause the waste cold water to flow through said secondary compartment.

1,539,868. CHART. EDWARD P. ROBERTS, Lakewood, Ohio. Filed Oct. 30, 1922. Serial No. 597,915. 5 Claims. (Cl. 40—70.)



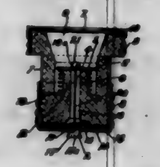
2. An adjustable sector type chart comprising a plurality of substantially circular disks, each having a scale extending about its periphery and being formed with a radial slit, and said disk being directly rotatably fitted together and mutually supported independently of any interposed part by having a segmental portion of each disk extending through the slit in the adjacent disk so as to leave complementary segmental portions of successive disks exposed, each disk further having a distinguishing radial line closely adjacent that edge of the slit therein at which the scale thereon begins.

1,539,869. METHOD AND APPARATUS FOR MAKING JARS OF HARD RUBBER AND SIMILAR MATERIALS. FRED THOMAS ROBERTS, Upper Montclair, N. J., assignor to Paramount Rubber Consolidated, Inc., Philadelphia, Pa., a Corporation of Delaware. Filed Apr. 10, 1922. Serial No. 551,279. 31 Claims. (Cl. 18—56.)



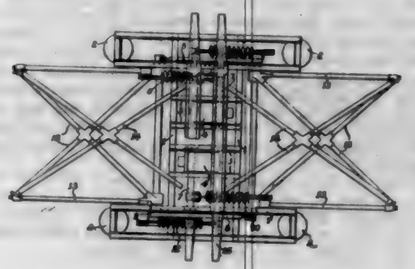
7. The method of making jars, consisting of seating in the cavities of a pair of molds, raw rubber sheet stock of a composition suitable for vulcanization into hard rubber, applying partially cured rubber blocks to the seated stock adjacent to the two ends thereof, bringing the two mold members together under pressure to form a completely closed article and at the same time shearing off the surrounding stock, vulcanizing the closed article to make a unitary hard member, and thereafter severing it transversely to make a plurality of jars.

1,539,870. ELECTRIC CUT-OUT. MAURITS JEROME SANDIN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 17, 1920. Serial No. 389,567. 12 Claims. (Cl. 200—117.)



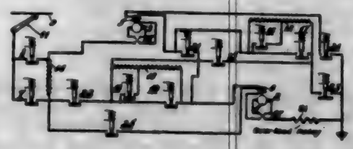
1. An electric cut-out device comprising a heating conductor, a body of fusible material adhering directly thereto, and conducting means biased against said body to complete a circuit and to interrupt the circuit in response to a predetermined temperature.

1,539,871. PANTOGRAPH TROLLEY. WILLIAM SCHAAKE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1922. Serial No. 599,522. 7 Claims. (Cl. 191—65.)



1. A pantograph trolley structure comprising an extensible pantograph frame, spring means connected thereto to bias the same in one direction, a plurality of cylinders, fluid-actuated pistons therein operatively connected to said frame to effect positive movement thereof opposed to said springs, said cylinders being in alinement transversely of the direction of motion of said structure.

1,539,872. MOTOR-CONTROL SYSTEM. SAMUEL B. SCHENCK, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 3, 1921. Serial No. 474,721. 10 Claims. (Cl. 172—179.)



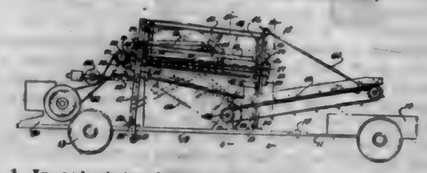
2. In a control system, the combination with a plurality of switches having actuating coils, said coils being connected in series relation one with another, of means comprising a controller for providing a shunt circuit for one of said coils for maintaining one of said switches in its open position until after the closure of another of said switches and interlocking means governed by one switch for closing a circuit comprising the actuating coils of each of said switches.

1,539,873. AUTOMOBILE BUMPER. MARIO SCHIBBARI, New York, N. Y. Filed May 26, 1924. Serial No. 715,861. 7 Claims. (Cl. 293—55.)



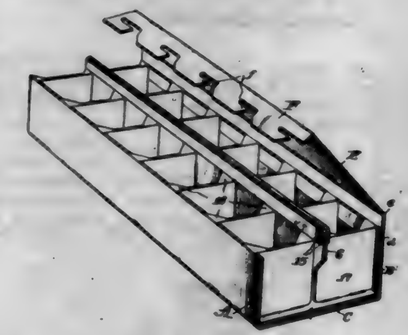
1. In a device of the class described, two side members adapted to interlock with parts of an automobile frame, and a cross member held under tension between said side members, the tension exerted thereby causing said side members to remain clamped to said frame.

1,539,874. BEET-TOPPING MACHINE. JOHN SCHOLL and JOHN WEILER, Belgium, Wis. Filed Feb. 19, 1925. Serial No. 10,300. 7 Claims. (Cl. 146—85.)



1. In a beet topping machine, the combination of a pair of beet-supporting rolls rotatable in opposite directions to sever the beet tops between them, one of said rolls being disposed laterally of and below the other to permit lateral discharge of the beets from the lower roll after being topped, and means for adjusting the relative elevation of said rolls for operation on beets of different sizes.

1,539,875. CARTON OR BOX. LOUIS SCHWARTZBERG, Chicago, Ill. Filed Apr. 16, 1923. Serial No. 632,270. 9 Claims. (Cl. 229—29.)

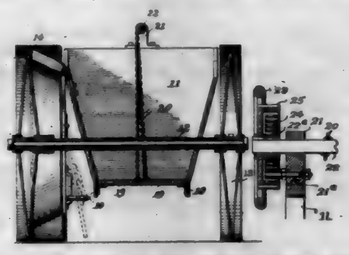


1. A collapsible carton comprising front, rear and bottom walls, a plurality of transverse cell walls produced by slotting a blank from which they hinge at their top edges, a separate flat strip connected to the lower ends of said cell walls controlling the relative positions of said cell walls, and a longitudinal partition.

1,539,876. DUMPING VEHICLE. THOMAS SEEVERS, deceased, late of Oskaloosa, Iowa, by Grace Seevers, executrix, Oskaloosa, Iowa. Original application filed Oct. 30, 1920, Serial No. 420,717. Divided and this application filed May 16, 1922. Serial No. 561,434. 2 Claims. (Cl. 298—35.)

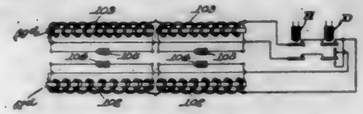
2. In a machine of the class described, a hopper, oppositely swinging dumping doors hinged to the bottom of the hopper, alined bearings mounted on the upper edges

of the ends of the hopper, a longitudinal shaft mounted to revolve therein, front and rear chains connected to the doors and wound upon the shaft, a hand wheel keyed to one end of the shaft, a ratchet wheel connected to the hand wheel, a pawl mounted on the hopper to engage the ratchet wheel and hold the doors elevated to receive and support a load when the chains are wound upon the



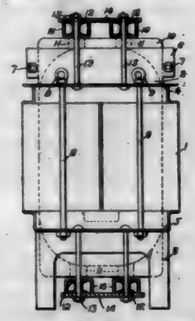
shaft, and a spiral spring having its inner end connected to the shaft and its outer end to a stationary part to revolve the shaft, wind up the chains and close the doors after the pawl has been released and the load is dumped, said spring being rewound when the doors are swung open under the weight of the load, and said hand wheel being operable to control the tension of the spring after the doors are closed.

1,539,877. INDUCTION TRAIN-CONTROL SYSTEM WITH ROADSIDE APPARATUS. ARCHIBALD G. SHAVER, Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y., a Corporation of New York. Filed Oct. 10, 1921. Serial No. 506,596. 20 Claims. (Cl. 246—63.)



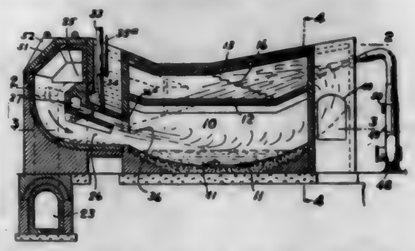
2. In an inductive train control system, roadside mechanism comprising a plurality of inductoriums, and means for connecting the same operative to reverse circuit connections therebetween.

1,539,878. TRANSFORMER BRACING. MERRILL E. SKINNER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed May 12, 1919. Serial No. 296,589. 4 Claims. (Cl. 175—356.)



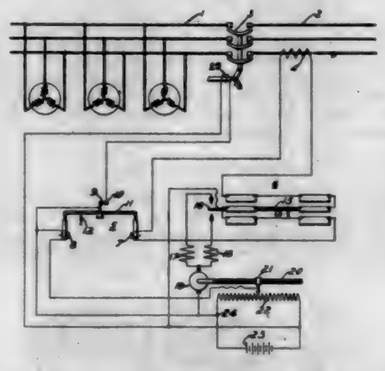
1 In a transformer, a core member, coils associated with the core member, insulating members between the coils and extending beyond the ends thereof, end-frame bracing means, additional bracing means comprising members extending across the tops and bottoms of said coils in a direction perpendicular to the planes thereof and secured to the end frames, and block members disposed between the coils and said last-named bracing means, whereby the effective lengths of the coils and the intermediate insulating members are made substantially equal.

1,539,879. REGENERATIVE FURNACE AND METHOD OF FIRING FURNACES. KARL A. SODERSTROM, Philadelphia, Pa. Filed May 23, 1923. Serial No. 640,822. 13 Claims. (Cl. 263—15.)



1. The method of firing a furnace, comprising the step of forcing the air for supporting combustion in contact with the outgoing products of combustion to heat the air and propelling the air at such a velocity that the stream of air will not be substantially broken up, separating substantially all of the stream of air from the products of combustion after contact therewith, conducting the separated stream of air into the combustion space of the furnace, and forcing fuel into the combustion space to form a combustible mixture with the air.

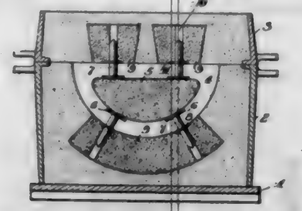
1,539,880. SURGE-DETECTING RELAY. HARRY P. SPARKES, Pittsburgh, Pa. Filed May 24, 1923. Serial No. 641,038. 17 Claims. (Cl. 175—294.)



4. The combination with an alternating-current circuit and an interrupter therein, of means energised from the circuit for controlling the actuation of the interrupter upon the occurrence of a surge of current in the circuit said means being ineffective against overload current of the same magnitude.

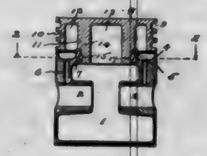
1,539,881. CHAPLET. FRIEND L. SPENCER and THOMAS JONES, Rochester, N. Y. Filed Aug. 29, 1923. Serial No. 660,032. 3 Claims. (Cl. 22—184.)

3. The combination with a self sustaining non-metallic anchoring piece adapted to be imbedded in the molding sand and having greater cohesive properties than the latter, said anchoring piece being provided with a bore, of a chaplet embodying a shank supported in such



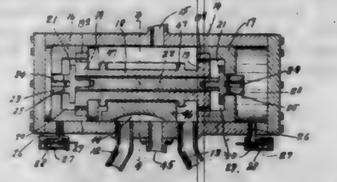
bore, a head projecting therefrom; and an intermediate shoulder abutting the anchoring piece at the mouth of the bore.

1,539,882. COMPOSITE PISTON. LOUIS R. SPENCER, West Hartford, Conn. Filed Oct. 13, 1924. Serial No. 743,281. 4 Claims. (Cl. 74—108.)



1. An engine piston comprising a cylindrical body of hard metal having a relatively low co-efficient of expansion and a head of light metal having a relatively high co-efficient of heat radiation, one of said members being set into the other and each provided in adjacent walls with complementary grooves, with a passage through one member from the exterior to said grooves, and balls forced into and tightly fitting said grooves and locking the parts together.

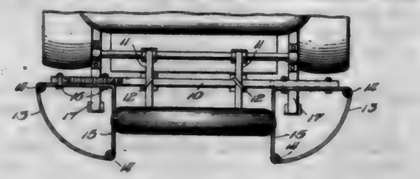
1,539,883. AUTOMATIC RETURN SYSTEM FOR BOILERS. JOHN R. SWANSON, Rock Island, Ill. Filed Nov. 17, 1921. Serial No. 515,995. 4 Claims. (Cl. 137—101.)



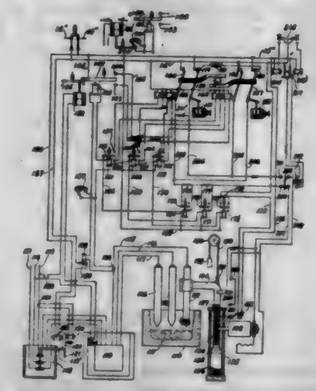
4. In a device of the class described, a cylindrical casing having an inlet and pair of spaced outlets; a pair of hollow piston-heads slidable in the ends of said casing, united by a hollow piston-rod, and in communication with the body of the casing; and a pair of valves in said piston-heads united by a stem slidable in said piston-rod, and provided with channels of communication between the interior of said piston-heads and the ends of the casing, said channels being alternately opened and closed by the movement of said valves.

1,539,884. ADJUSTABLE BUMPER FOR AUTOMOBILES. OLIVER G. TEMME, Chicago, Ill. Filed July 18, 1924. Serial No. 726,719. 1 Claim. (Cl. 293—55.)

A universal adjustable rear bumper for automobiles comprising in combination a supporting bar, a pair of impact sections spaced apart so as to receive therebetween a spare tire or the like, and means for adjustably mounting said impact sections on said bar so as to accommodate automobiles and fenders of different width and construction.

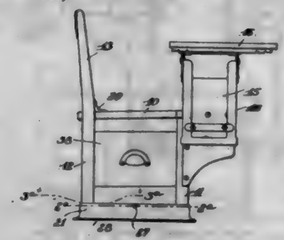


1,539,885. ELECTRICAL CONTROL APPARATUS. EUSTIS H. THOMPSON, New Kensington, Pa., assignor, by direct and mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 10, 1921. Serial No. 521,385. 19 Claims. (Cl. 204—64.)



1. An electric control comprising an energy supply circuit, means responsive to normal variations in an electrical condition in said circuit for maintaining such electrical condition therein substantially constant, and means responsive to abnormal variations in the energy supply circuit for varying the action of the first named means.

1,539,886. CHAIR CONSTRUCTION. MARTIN THUM, Rochester, N. Y., assignor to Langslow-Fowler Company, Rochester, N. Y., a Corporation of New York. Filed June 29, 1922. Serial No. 571,591. 7 Claims. (Cl. 45—137.)



1. The combination with a chair having a supporting frame substantially enclosing the space beneath the seat, said frame having a kerf therein adjacent its bottom, of a base comprising a vertically arranged sheet metal strip encircling said frame, an inwardly turned

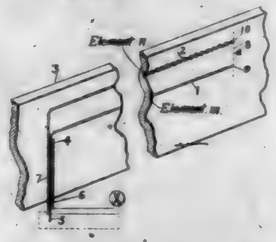
flange at the top of said strip engaged in said frame kerf, means securing the ends of said strip to retain the flange thereof in said kerf, and an outwardly turned flange at the bottom of said strip for securing the same to the floor.

1,539,887. PLATEN. FRANK C. VANDERGRIFT, Akron, Ohio, assignor to The Williams Foundry & Machine Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 23, 1924. Serial No. 745,315. 11 Claims. (Cl. 18—5.)



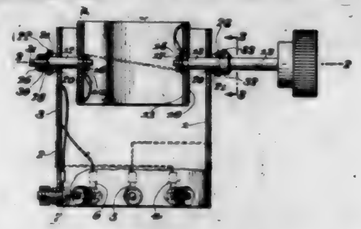
1. A platen of the class described comprising two sections enclosing between them a fluid diffusing space having an inlet and an outlet, the sections being formed with integral parts which interlock and bind the sections together, the joint between the edges of the sections being brazed or welded.

1,539,888. METHOD AND MEANS FOR MEASURING CURRENT DISTRIBUTION. CHARLES F. WAGNER, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 14, 1921. Serial No. 437,329. 14 Claims. (Cl. 175—183.)



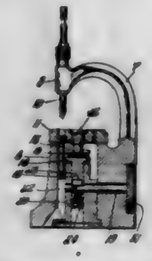
14. Means for determining current distribution characteristics of a main conductor comprising a plurality of local exploring circuits responsive to voltage differences in different parts of the main conductor, means for indicating the vector sum of all of said voltage differences and means for operatively connecting and insulating said indicating means with respect to said exploring circuits.

1,539,889. RADIO RECEIVING APPARATUS. GORDON O. WILKINSON, Ardmore, Pa. Filed Jan. 19, 1923. Serial No. 613,587. 1 Claim. (Cl. 171—119.)



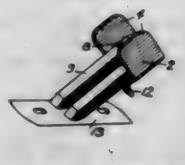
In a radio receiving apparatus, a hollow supporting member having diametrically alined apertures therein, an inductance coil on said support, a rotor having an inductance coil thereon, stub shafts passing through the apertures and supporting said rotor, spring bearing plates for said stub shafts carried by said supporting member, thrust members on said stub shafts to limit the endwise movement of said shafts and rotor, and means for adjusting the distance between said thrust members.

1,539,890. STAKING TOOL. LESTER J. WILLIAMS, Lebanon, N. H., assignor to Kendrick & Davis Co., Lebanon, N. H., a Corporation of New Hampshire. Filed June 11, 1923. Serial No. 644,591. 5 Claims. (Cl. 29—88.)



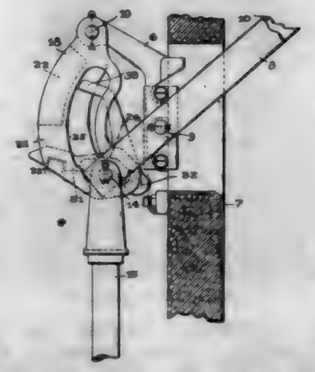
1. In a staking tool, a frame comprising a base having an overhanging head and a guideway, a die resting on the base, and a combined pivot and clamping means for the die constructed with provision permitting movements of the die bodily transversly to its pivotal axis.

1,539,891. MAGNETIC LIFTING DEVICE. ALAN D. WOOD, Philadelphia, Pa., assignor of one-third to Harry A. Lewis, Norristown, Pa. Filed Aug. 9, 1920. Serial No. 402,286. 2 Claims. (Cl. 175—369.)



1. In a device of the character described the combination of a holder comprising upwardly extending side portions, a downwardly extending fulcrum lug, an exposed magnet and means for securing said magnet to said holder.

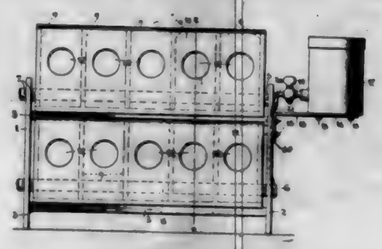
1,539,892. INTERLOCKING DEVICE. JOSEPH D. WOOD, Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 10, 1922. Serial No. 567,492. 8 Claims. (Cl. 74—83.)



1. The combination with a pair of levers, of an interlocking device therefor comprising a movable member having cam surfaces to be engaged upon the movement

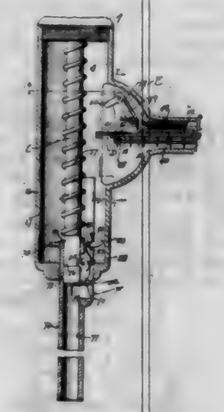
of said levers, said movable member being provided with stop members for preventing the operation of either lever when the other lever is in its operative position, and a latch member for securing said movable member in one position.

1,539,893. NEST AND ROOST STRUCTURE. ALBERT H. YORK, Amery, Wis. Filed July 1, 1924. Serial No. 723,552. 9 Claims. (Cl. 119—25.)



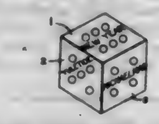
9. In a nest structure of the character set forth, spaced upright end supporting members, a horizontal supporting round having a groove therein extending throughout the length thereof and connected at its ends to said supporting members, a series of vertically positioned eccentrically mounted partition elements upon said horizontal member, an elongated element connecting the lower ends of said elements and constituting a floor, an apertured sheet of material formed over and connecting the edges of said elements to enclose the spaces therebetween to provide nesting compartments, one of each of the apertures in said sheet constituting an entrance to a compartment, a wick element in the groove of said round, and means for supplying disinfectant to said wick for the distribution of the same through the nest compartments.

1,539,894. MAGAZINE TACK HAMMER. WILLIAM HENRY BOOTH, Baton Rouge, La. Filed Apr. 12, 1924. Serial No. 706,068. 13 Claims. (Cl. 1—45.)



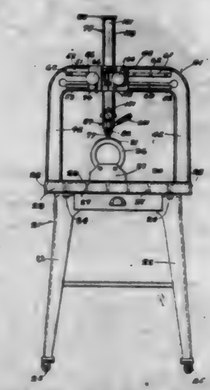
1. In a magazine tack hammer the combination of a driving head construction, means for receiving a supply of tacks, a carriage, means for dispensing the tacks onto the carriage, and means for placing the tacks from the carriage onto the driving head.

1,539,895. GAME DEVICE. GEORGE E. BUSSA, Minneapolis, Minn. Filed Aug. 20, 1923. Serial No. 658,424. 2 Claims. (Cl. 273—146.)



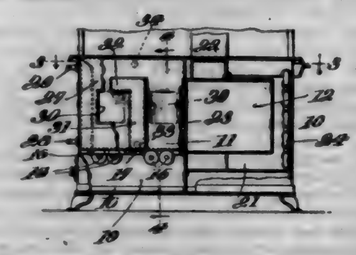
1. A game device comprising a plurality of blocks, the faces of one block carrying nouns which constitute portions of greetings and the faces of another block carrying adjectives which constitute the remaining portions of the greetings.

1,539,896. MEASURING APPARATUS. LESLIE W. CLAYBOURN, Milwaukee, Wis. Filed Feb. 10, 1923. Serial No. 618,255. 17 Claims. (Cl. 33—147.)



1. A measuring apparatus comprising a support having a supporting surface for the object being measured, a pressure-part arranged to press the object being measured toward said surface, means for adjusting the normal distance between said pressure-part and said surface, means for regulating the space between said pressure-part and said surface for admission of the object to be measured while maintaining said last-named adjustment, guiding means for guiding said pressure-part in a path perpendicular to said supporting surface, supporting means for the latter and a gage comprising a body and an operating part constituting a pair of members one of which has operative connection with said pressure-part whereby to measure the thickness of said object when under pressure.

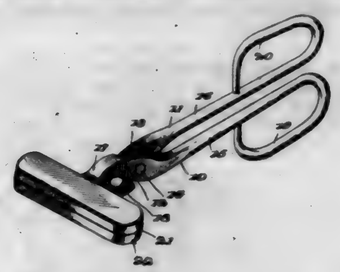
1,539,897. KITCHEN RANGE. JAMES F. DALE, Chattanooga, and MARIE RICHARDSON, Memphis, Tenn. Filed Oct. 19, 1922. Serial No. 595,582. 4 Claims. (Cl. 126—5.)



1. A stove of the character described comprising a casing provided with a fire box, doors through which fuel may be introduced into said fire box, a water

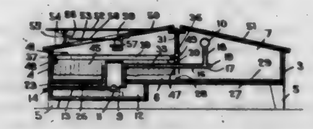
jacket covering a plurality of sides of said fire box and having openings coinciding with said doors, and a supplemental water jacket located between spaced apart portions of the first mentioned water jacket, said supplemental jacket being removably supported independently of the first water jacket and having an overhanging portion.

1,539,898. DEVICE FOR STRAIGHTENING HAIR. ALBATHIA D. FRANKLIN, Daytona, Fla. Filed Oct. 5, 1923. Serial No. 666,818. 1 Claim. (132—32.)



A device for straightening hair comprising a pair of crossed handles and a pair of pressing irons carried by the handles and consisting of a pair of thick, narrow and elongated plates, said plates extending at right angles to the handles and having flat and plane pressing faces.

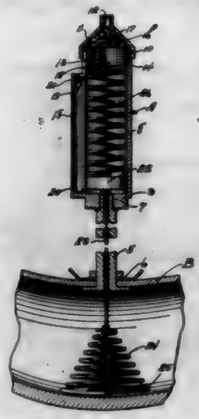
1,539,899. CHICKEN BROODER. JOHN N. GUERTIN, South Weymouth, Mass. Filed May 22, 1923. Serial No. 640,647. 6 Claims. (Cl. 119—32.)



1. A brooder for chicks comprising a brooding chamber and a scratch pen, a fuel burning heater in the brooding chamber and a heating drum extending across the scratch pen to heat said pen and opening outside of the brooder, a hot gas conveying pipe communicating with said heater and extending into the scratch pen below said heating drum, and an upright pipe connecting said gas conveying pipe and heating drum whereby the hot gas from the heater is compelled to pass through a tortuous path in order to discharge from the brooder.

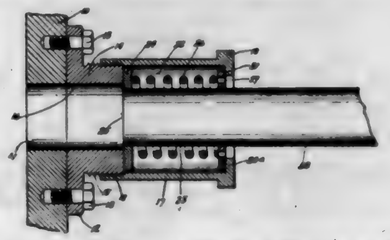
1,539,900. AUTOMATIC TIRE PUMP. HARRY F. HARVEY, Prosper, Minn. Filed Apr. 2, 1924. Serial No. 703,758. 3 Claims. (Cl. 152—11.)

2. The combination with an automobile pneumatic tire, of a tire valve filling casing connected therewith provided with a longitudinally extending way therethrough, of means for automatically filling the tire with air comprising a cylinder operatively connected to said filling valve casing, a plunger reciprocally mounted within the cylinder, a rod operatively connected to the plunger reciprocally mounted within the filling valve casing and extending into the tire, a helical spring connected to the outer end of the rod, the convolutions of the spring gradually increasing in diameter toward the outer end thereof, the outermost diameter of the spring engaging the inner surface of the tire at the tread thereof, a protecting cover formed at the outer convolution of the spring, a relatively heavy coil spring arranged within the cylinder and engaging said plunger for normally urging the same at one end of the cylinder, a one-way valve carried by one end of the cylinder for permitting the entrance of air into the cylinder, and a



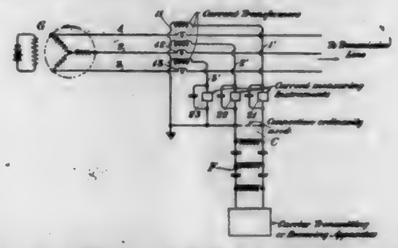
way for connecting the opposite ends of the cylinder together, the way having a one-way valve therein for permitting the flow of air through the way in one direction.

1,539,901. SAUSAGE-FILLING MACHINE. FRANK HENNES, Bethlehem, Pa. Filed Jan. 27, 1925. Serial No. 5,029. 5 Claims. (Cl. 146—41.)



1. A device of the class described comprising a tubular member providing a filling nozzle for sausage meat, a hub aligned with said nozzle, and means for yieldably securing the filling nozzle on the hub.

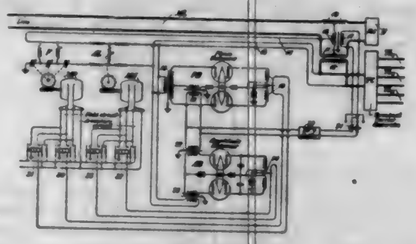
1,539,902. CARRIER TRANSMISSION OVER POWER CIRCUITS. RICHARD K. HONAMAN, Bloomfield, N. J., assignor to American Telephone & Telegraph Company, a Corporation of New York. Filed Apr. 29, 1924. Serial No. 709,898. 4 Claims. (Cl. 179—2.)



1. In a system for signaling over power conductors, a power source, power conductors for transmitting power from said source to a load, current transformers associated with said conductors for transforming the

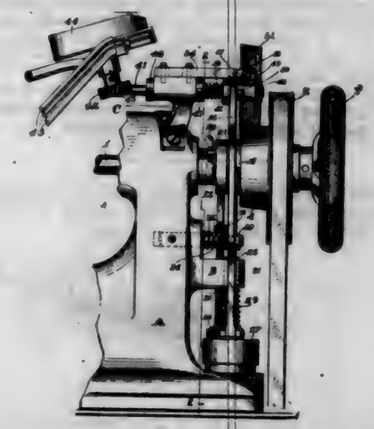
current to be applied to translating devices, carrier apparatus, and means to connect said carrier apparatus to said power conductors through said current transformers, comprising a filter connected in circuit with said transformers and having a very low impedance at power frequencies.

1,539,903. ELIMINATION OF INTERFERENCE IN CARRIER SYSTEMS. LESTER M. ILGENFRITZ, Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 21, 1924. Serial No. 714,931. 12 Claims. (Cl. 179—78.)



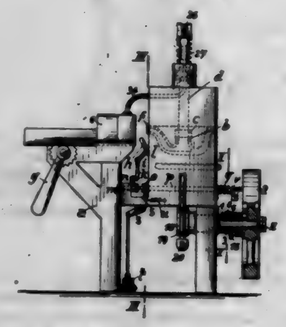
1. In combination with a transmission circuit subject to interfering waves, an arrangement to neutralize said interfering waves comprising means to pick up energy from the interfering source to produce balancing waves corresponding to the interfering wave, a phase controller and an amplitude controller for controlling the phase and amplitude of said balancing waves so that they may be impressed upon said transmission circuit equal in amplitude and opposite in phase to the interfering wave, and means automatically controlled by said interfering wave and said balancing wave to adjust said phase controller to maintain the waves in opposite phase relation.

1,539,904. DRIVING MECHANISM. GEORGE W. JACQUES, Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 28, 1920. Serial No. 392,200. 11 Claims. (Cl. 192—145.)



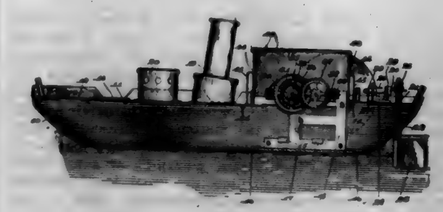
1. In combination, a mechanism actuating shaft, a source of power, an article feeding mechanism, operating means to establish and interrupt driving relation between said source of power and said mechanism, coupling means connected with said operating means and adapted to establish and interrupt driving relation between said source of power and said shaft, and means for rendering said coupling means ineffective to establish said driving relation while permitting said operating means to set said mechanism in operation.

1,539,905. DIE-CASTING MACHINE. ALBERT KAUFMANN, Berlin, Germany. Filed Apr. 16, 1924. Serial No. 707,000. 11 Claims. (Cl. 22—57.)



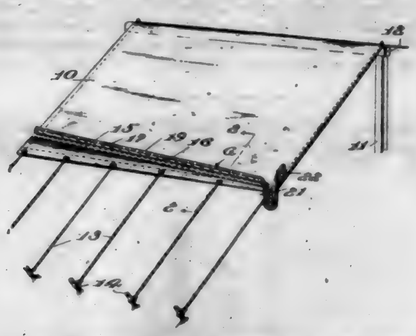
1. Die-casting machine, comprising a crucible with an outlet for molten metal, a mold holder adapted to be moved hand to said outlet, means for ejecting metal from the crucible through said outlet, a rotary shaft for operating said means, a drive for turning said shaft, motion transferring members for throwing the drive into connection with said shaft, a lever in the path of said mold holder for actuating said members, and means for automatically disconnecting said drive from said shaft when the latter has been turned through a certain angle.

1,539,906. TOY BOAT. AUGUST KLEINOHLE, New Orleans, La. Filed Sept. 3, 1924. Serial No. 735,699. 5 Claims. (Cl. 46—36.)



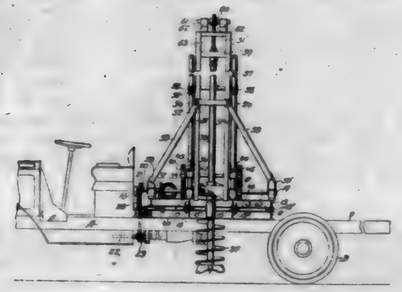
2. A toy boat including a hull of hollow form having inner transverse reinforcing rods, a deck in spaced apart front and rear sections supported on said rods, side paddle wheels, a motor and motor frame disposed within the hull and projecting upwardly between the deck sections, a shaft for the paddle wheels supported by said motor frame and in operative connection with the motor, a housing for the motor seated over the same and the space between the deck sections, said housing having apertured front and rear walls, and flexible upstanding rods secured to the deck sections and having upper angular ends shiftable into the apertures of the housing to hold the latter detachably in place.

1,539,907. ATTACHMENT FOR TENTS. JOHN F. MCGILL, Quantico, Va. Filed Apr. 8, 1924. Serial No. 704,923. 12 Claims. (Cl. 135—1.)



3. The combination with a tent fly or the like, of a strip of material secured thereto near one edge, said material having a longitudinally disposed raised portion to intercept any water which may flow down said fly, said strip of material being inclined from front to back.

1,539,908. EARTH-BORING MACHINE. WILLIAM E. MOORE, Chicago, Ill., assignor, by mesne assignments, to International Earth-Boring Machine Corporation, a Corporation of Delaware. Filed Oct. 6, 1919. Serial No. 328,801. 12 Claims. (Cl. 255—22.)



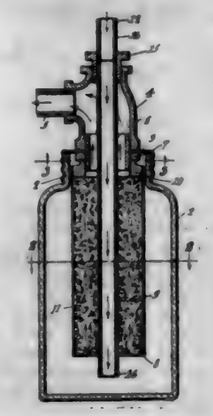
1. In an earth boring machine, a stationary frame adapted to be attached to a motor chassis, a movable frame mounted on the fixed frame for reciprocating movement, earth boring mechanism mounted on the movable frame with its main driving shaft journaled in said fixed frame, means connecting said driving shaft with the motor shaft of the motor car, means for varying the position of the boring mechanism and means for compensating for the different positions of said boring mechanism without disturbing the operative relations of the motor shaft and the main driving shaft of said boring mechanism.

1,539,909. EDUCATIONAL DEVICE. JOSÉ PARIS, Manila, P. I. Filed Mar. 1, 1923. Serial No. 622,131. 6 Claims. (Cl. 35—1.)



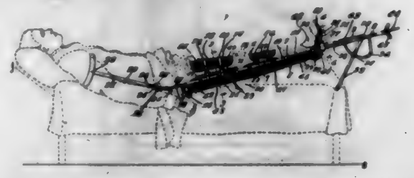
1. As an article of manufacture a base member for educational devices of elongated formation providing an illustration with explanatory matter on the upper surface thereof adjacent one end of the same, said base member on said upper surface from said illustration to the opposite end thereof having longitudinal lines scribed thereon in parallel relation inwardly of the longitudinal edges of said base member and vertical lines intermediate said longitudinal lines at right angles to the latter subdividing said base member into a plurality of squares of equal dimension, each of said squares having a contrasting delineation therein, and marked blocks for fitting upon said squares having cutouts for exposing said delineations when the blocks are placed upon the proper squares.

1,539,910. WATER FILTER. HOMER M. PARISH, Charlotte, Mich. Filed July 25, 1924. Serial No. 728,212. 1 Claim. (Cl. 210—165.)



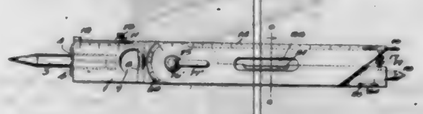
In a device of the class described, a receptacle, a closure detachably mounted on the receptacle, a sleeve extended through the closure, a T having a lateral outlet, one end of the T being threaded on the sleeve and cooperating with the outer surface of the closure, a nut threaded on the sleeve and cooperating with the inner surface of the closure; a filter comprising a cylindrical shell having an opening, a head carried by the shell, and filtering material in the shell, the head being threaded on the inner end of the sleeve, and engaging the nut; a reducer mounted detachably in the other end of the T, a pipe extending through the filtering material, through the sleeve and through the T and threaded at one end into the reducer, and a supply pipe threaded into the reducer and coacting with the first-specified pipe to form an inlet conduit.

1,539,911. LEG SPLINT. WILLIAM A. PENDERGRAFT, Carney, Okla. Filed Oct. 4, 1922. Serial No. 592,309. 3 Claims. (Cl. 128—85.)



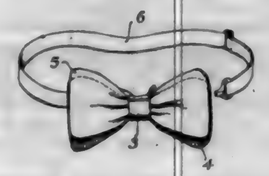
1. A leg splint comprising laterally spaced side rails to be mounted along the sides of the leg to be supported, a U-shaped bar connecting the front ends of said rails, a crutch member carried by one of said rails and hingedly connected at the hip, said side rails having a hinge therein at the knee portion to permit passive motion of the knee to prevent ankylosis of the knee joint, a stirrup connecting said side rails and composed of hingedly connected sections to provide for the positioning of the rails toward or away from each other to fit legs of varying sizes.

1,539,912. COMBINATION TOOL. OSCAR PETERSON, Dent, Minn. Filed July 23, 1923. Serial No. 653,806. 3 Claims. (Cl. 33—211.)



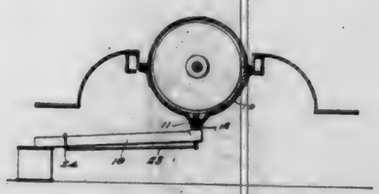
1. In combination, a body, a spirit level in the body, a casing pivoted to the body at one end thereof and adapted to fit over the body, said casing having its sides provided respectively with slots for registering with said spirit level when the casing is in closed position over the body.

1,539,913. REVERSIBLE BOW TIE. ARTHUR REINHART, Portland, Oreg. Filed June 14, 1923. Serial No. 645,413. 2 Claims. (Cl. 2—151.)



1. In a reversible bow tie, the means of combining four wearing surfaces in one tie, said means comprising a loop, and two bows jointly and severally rotatable in the loop.

1,539,914. AUTOMOBILE ATTACHMENT. PAUL RHOADES, Crawfordsville, Ind. Filed Mar. 12, 1924. Serial No. 698,751. 5 Claims. (Cl. 184—106.)



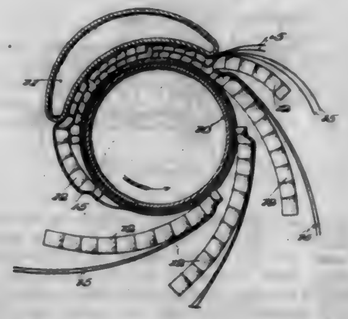
1. The combination with an engine crank case having a drain opening therein, of a valve for controlling the opening, a drain pipe and means carried by the drain pipe and having a detachable connection with the valve, whereby the latter may be operated.

1,539,915. FLY AND BAIT AND LEADER HOLDER. VALENTINE SHEBAT, Butte, Mont. Filed Sept. 10, 1924. Serial No. 736,927. 3 Claims. (Cl. 43—31.)



3. A holder comprising a cylindrical body presenting separate compartments, a cover at one end of the cylindrical body, a cork closing the other end of the cylindrical body, and a wire having its ends engaged in sockets on the said cylindrical body and extending across the said cork, and cover sections hingedly supported by the said wire, said hinged sections providing a cover for the said cork.

1,539,916. PADDED COVERING FOR IRONING ROLLS. KARL HUGH SIEVER, Keyser, W. Va. Filed Nov. 1, 1924. Serial No. 747,244. 7 Claims. (Cl. 68—9.)

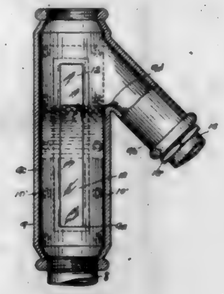


1. A covering for ironing rolls consisting of a carrier cloth in a single piece adapted to be wound around such rolls, a series of strips of padding in uniformly overlapping relation on the carrier cloth, each strip being secured at its innermost edge to the cloth and being otherwise free, the said strips being spaced apart a distance equal to one-half of the widths of the strips, and a series of covering strips overlying the several strips of padding, the said covering strips being of greater width than the strips of padding and secured at one edge to the connected edges of the strips of padding whereby to form an external ironing cloth in their freely overlapping relation.

1,539,917. LIQUID-LEVEL INDICATOR. CHARLES I. SMITH, Theresa, N. Y. Filed Sept. 5, 1924. Serial No. 736,125. 4 Claims. (Cl. 221—102.)

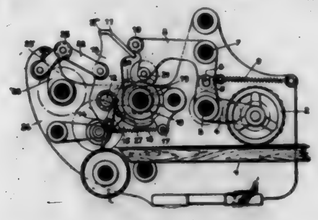
1. In a liquid level indicator, the combination with a measuring pump and an upright delivery pipe, of an elongated hollow body supported on the top end of said pipe and receiving liquid lifted by said pump, said body having a downward angular branch and a dam

at the junction of the body and branch over which the liquid flows into the branch, the front and rear walls of said body being formed with openings in line with



its longitudinal axis, strips of transparent glass overlying said openings, said strips being inscribed with markings that coincide with the crest of said dam, and slotted plates for clamping the glass in place.

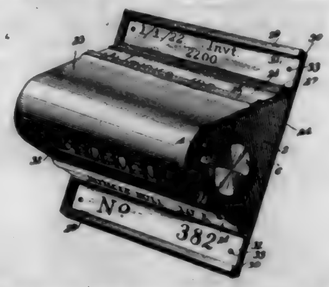
1,539,918. DEVICE FOR FEEDING SHEETS TO PRINTING PRESSES, FOLDING MACHINES, AND THE LIKE. GEORG SPIESS, Leipzig, Germany. Filed Oct. 1, 1923. Serial No. 665,759. 9 Claims. (Cl. 211—38.)



1. In a sheet feeding device for printing presses, folding machines and the like of the type in which the lever gear of the feeding device co-operates with an oscillating lever controlled by the advancing sheets actuating a detector pawl in co-operation with a toothed driver or ratchet wheel and in which the disengagement of the pawl and ratchet wheel is effected by acceleration of the oscillating lever relatively to the driving means, the combination with the oscillating lever having cam surfaces of different inclinations, the lesser inclined surfaces exerting a greater lifting force of link levers in such connection that the acceleration of the oscillating lever is increased through the increased pressure momentum while acting with the lesser inclined portion in operating position on the link-levers approaching a nearly straight or stretched position, said acceleration being limited by the stretched position of the link-levers.

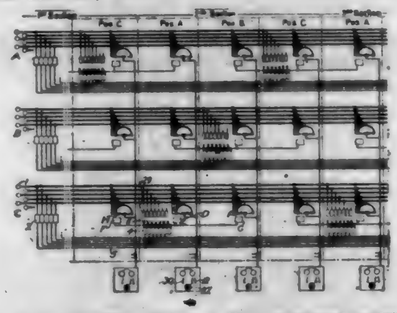
1,539,919. STOCK REGISTER. JOHN PRESTON SWIFT, Waynesville, N. C. Filed Feb. 24, 1923. Serial No. 621,005. 3 Claims. (Cl. 235—144.)

1. In a registering device of the character described, a support including an upright member, a number wheel mounted to rotate in proximity to said upright, a ratchet wheel disposed between said upright and said number wheel and connected to the number wheel to control the rotation of the latter, said upright having a recess in the face thereof proximate to said ratchet wheel, and a spring pawl attached at one end to said support to swing between position to engage at its free end with said ratchet wheel to prevent rotation of the



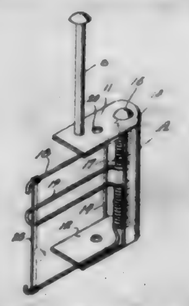
ratchet wheel in one direction and position out of engagement with said ratchet wheel in which the free end portion of said pawl is received in said recess.

1,539,920. SIGNALING SYSTEM. DAWSON M. TAGGART, Seattle, Wash., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 12, 1922. Serial No. 606,514. 10 Claims. (Cl. 179—27.)



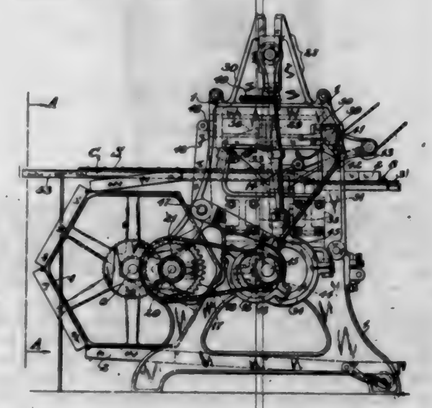
1. In an signaling system, a line, operators' positions, a signal for said line at each of said positions, means responsive to a call initiated on said line for connecting said line to one of said positions, and means controlled thereby for flashing one of said signals in a characteristic manner.

1,539,921. AUTOMOBILE DOOR SPRING. LEE THARP, Burlington, Iowa. Filed June 11, 1924. Serial No. 719,429. 3 Claims. (Cl. 16—188.)



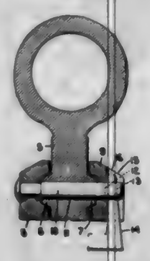
3. Attachments for hinges of the nonspring type comprising a case including an arcuate outer wall, forwardly extending upper and lower walls formed on the outer wall, and side walls connecting the outer wall and the top and bottom walls together, a pin carried by the top and bottom walls and arranged between the side walls, a spring coiled about said pin, upper and lower arms formed on the terminals of the spring, an intermediate U shaped arm formed on the spring, the upper and lower walls being provided with registering openings forwardly of the pins, and a hinge pin removably fitted in said openings.

1,539,922. MACHINE FOR USE IN MAKING BOXES. OSCEOLA C. THOMPSON, White Plains, N. Y., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Apr. 20, 1920. Serial No. 375,195. 77 Claims. (Cl. 1—8.2.)



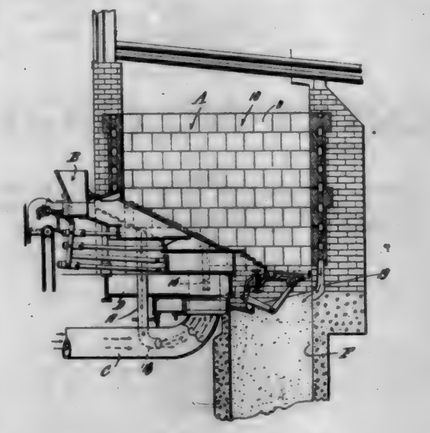
1. A machine for use in making boxes comprising, in combination, means for spacing box parts; fastener-setting mechanism operable upon moving box parts; and means for causing relative progression between said mechanism and the box parts; said machine being adapted to operate without interruption upon materials for a plurality of boxes.

1,539,923. COLLAPSIBLE CORE. JOHN C. TUTTLE and FREDERICK A. BOLLINGER, Akron, Ohio, assignors to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 21, 1920. Serial No. 375,474. 3 Claims. (Cl. 18—45.)



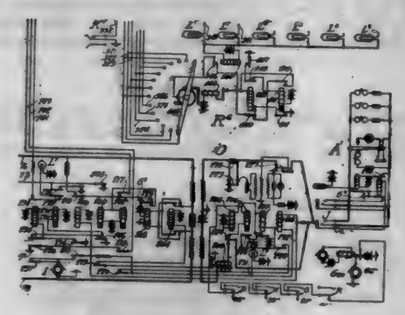
1. In a collapsible core, the combination of separable sections having inwardly extending tongues, locking rings adapted to lie on each side of said tongues, clamping means irremovably secured to one of said rings and passing through said tongues and the other of said rings said means being provided with a tapered surface, and a wedge adapted to cooperate with said surface.

1,539,924. AIR-COOLED FURNACE. FRANK H. WAITE and GEORGE W. DAVEY, Long Island City, N. Y. Filed Jan. 3, 1924. Serial No. 684,226. 10 Claims. (Cl. 110—72.)



1. The combination with a furnace including side walls having air channels extending therethrough and an automatic stoker including a main air duct for feeding forced air below the same, of an air supply pipe for feeding air from the duct to the channels in the walls, and a suction pipe communicating with the duct at a point intermediate its ends and with the channels in the walls at a point spaced from said air supply pipe.

1,539,925. MULTIOFFICE TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed July 21, 1920, Serial No. 397,982. Renewed Nov. 15, 1924. 10 Claims. (Cl. 179—27.)



1. In a telephone system, a plurality of register sets accessible to calling automatic subscribers for registering called telephone numbers, an indicating device common to said register sets for indicating registered calls to an operator, and a consecution controller for switching registered calls on to said indicating device one at a time, said controller comprising a step by step switch adapted to test said register sets in a definite predetermined order.

1,539,926. GRATE STRUCTURE. JAMES S. WILSON, Scranton, Pa. Filed Oct. 17, 1922. Serial No. 595,103. 3 Claims. (Cl. 126—176.)

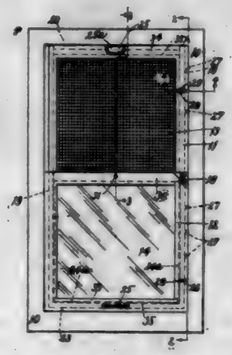
1. In a grate structure, a frame comprising members to be connected together at the corners of the frame,

one of said members having a recess and a boss upstanding therein and of wedge-shape, the other member having a recess providing a depending boss, the said



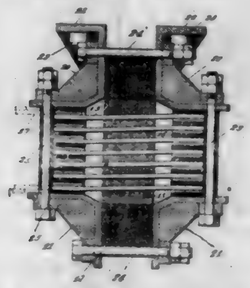
recess and last-mentioned boss being formed to have wedging fit with the recess and boss of the first-mentioned member.

1,539,927. COMBINATION WINDOW SASH. FRANK O. ALLMAN, St. Paul, Minn. Filed Feb. 1, 1922. Serial No. 533,318. 1 Claim. (Cl. 20—55.)



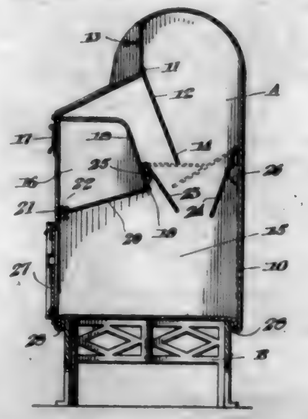
A window sash having in its top rail a slit and in its vertical stiles inward grooves extending downwardly from the ends of said slits; a wire netting inserted in said sash and a strip removably held in said slit to close it; said wire netting having its vertical edges clamped tightly in channel bars, and loose horizontal bars inserted one across the top and the other across the bottom end of the netting and engaging the ends of the channel bars to hold them with the wire netting stretched, said cross bars being received into the sash at one side of the netting.

1,539,928. REACTANCE. DONALD J. ANGUS, Indianapolis, Ind. Filed Sept. 2, 1922. Serial No. 586,033. 12 Claims. (Cl. 175—356.)



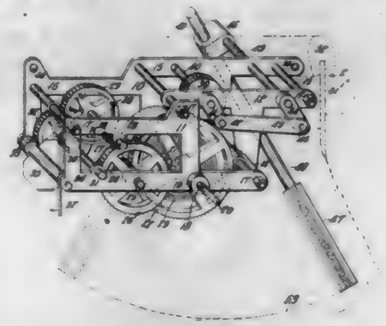
1. A reactance, comprising a magnetic element and a conducting element, said magnetic element comprising a plurality of laminæ with registering holes through them, and said conducting element comprising a plurality of metal bars built up with their ends overlapping to form a coiled conducting path, some of said bars passing through holes in the laminæ, and means for clamping said overlapping ends together.

1,539,929. MAIL BOX. JEAN B. ARIAL, Ottawa, Ontario, Canada. Filed Feb. 6, 1923. Serial No. 617,404. 5 Claims. (Cl. 232—45.)



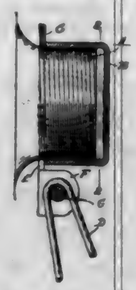
1. A mail box of the character described comprising a casing having an opening in the top, a swing door therein, a letter slot and a mail clearing door in the side, compartments communicating with said opening and with the letter slot, the letter compartment being provided with a pivotally mounted bottom designed to operatively engage with the casing whereby the letter mail is retained separately in one compartment and cleared separately therefrom, a pair of aprons pivotally mounted within the casing and provided with auxiliary supports designed to impel said aprons inwardly to form a hopper head whereby the mail from the top opening passes to the bottom of the casing.

1,539,930. SPRING MOTOR FOR CLEANING APPARATUS. MORIS M. BERGER, Cleveland Heights, Ohio, assignor to Doris P. Berger, Cleveland Heights, Ohio. Filed Feb. 8, 1922. Serial No. 535,071. 5 Claims. (Cl. 185—37.)



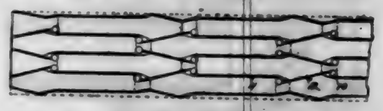
3. In an apparatus of the character described, the combination of, a housing, a spring motor mounted in said housing, means for operating a cleaning apparatus mounted in said housing and operated by said motor, a stop and start shaft journaled in said housing and operated by said motor, a stop and start wheel secured to said stop and start shaft and provided with stop pins projecting from one side thereof, and a stop and start lever hinged on said housing and comprising a handle portion extending downward and the lower end thereof projecting below the bottom of said housing, an arm extending sidewise and provided with a hook to engage said pins, said stop and start lever locked in stop position by the action of said motor on said stop and start shaft when said hook engages one of said pins, and said stop and start lever held in unlocking position by the weight of said arm when said hook is disengaged from said pins.

1,539,931. ANCHORAGE DEVICE FOR VEHICLES. WILLIAM W. BLAKELY, Detroit, Mich. Filed May 12, 1924. Serial No. 712,726. 4 Claims. (Cl. 188—32.)



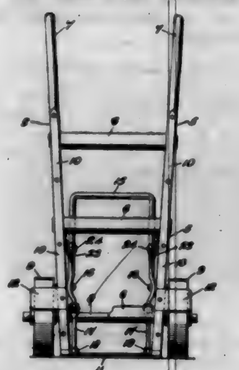
1. An anchorage device for vehicles comprising a split ring engageable with a vehicle part, and a tie member attached to said ring, a cap retaining the ring on said vehicle part, a clamping member engaging the split ends of said ring for drawing the same together.

1,539,932. MANUFACTURE OF VEHICLE WHEEL-SPOKE BLANKS. WILLIAM N. BOOTH, Detroit, Mich. Filed Mar. 24, 1924. Serial No. 701,512. 4 Claims. (Cl. 144—309.)



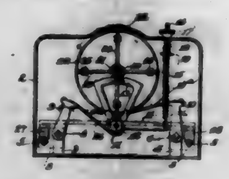
1. In the manufacture of vehicle wheel spoke blanks each having a spindle portion and a bevelled end portion, the severing of a blank to form a plurality of spoke blanks having overlapping bevelled end portions with adjacent sides parallel to each other.

1,539,933. TRUCK ATTACHMENT. BURNS W. BRITTON, Oregon City, Oreg. Filed Oct. 30, 1922. Serial No. 597,969. 2 Claims. (Cl. 280—57.)



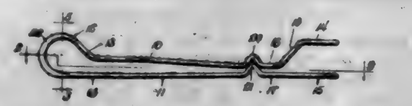
1. In a hand truck, the combination with a frame comprising spaced side members, supporting wheels therefor, and a load engaging angular extension rigid with said side members, of levers pivotally secured to said side members, adjacent said extension provided with portions adapted to engage and fulcrum upon the surface upon which said truck rests, whereby said load engaging extension may be raised; and means comprising a foot lever pivoted to said frame and link connections for moving said first mentioned levers about their pivots to produce said fulcruming and raising action.

1,539,934. SCALE. HUGH M. CAMERON, Woodhaven, N. Y. Filed Dec. 31, 1923. Serial No. 683,609. 4 Claims. (Cl. 265—68.)



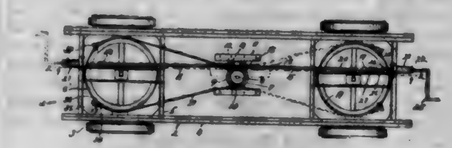
1. A scale comprising a base, a pair of opposed levers pivoted on the base, a dial, means for rotating the dial, said dial and rotating means being positioned between the levers, and flexible connections between the levers and said means.

1,539,935. HAIRPIN. LEO M. CHAPMAN, Chicago, Ill. Filed Dec. 6, 1923. Serial No. 678,850. 1 Claim. (Cl. 132—50.)



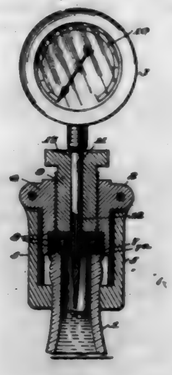
A hair pin having two inwardly and gradually converging legs, and a loop at the closed end of the pin, the larger part of which lies on one side of the longitudinal axis of the pin; a kink in each leg, near the open end of the pin, one kink normally within the other, and one leg diverging laterally and abruptly from the kinks toward the open end of the pin and then bent into parallel relation with the other leg at the extreme open end of the pin.

1,539,936. STEERING MECHANISM FOR VEHICLES. JAMES H. CLARK, River Rouge, Mich. Filed Feb. 26, 1923. Serial No. 621,445. 4 Claims. (Cl. 280—91.)



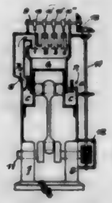
1. The combination with a vehicle having a frame, a pair of wheeled trucks, fifth wheels having upper and lower sections respectively secured to said frame and trucks, and pivots connecting said upper and lower sections, of a supporting bracket between said fifth wheels, a wheel mounted on said bracket, a flexible member trained around the wheel on the bracket, blocks having hooks detachably engaging recesses in the lower section of one of said fifth wheels, bolts secured to the ends of said flexible member and extending through said blocks, nuts on said bolts for adjustably connecting said bolts to said blocks for varying the tension of said flexible member, and means for rotating said wheel for actuating said flexible member.

1,539,937. TESTING DEVICE. JAMES R. COCHRANE, Franklin, Pa., assignor to William L. Symons, Washington, D. C. Filed Nov. 14, 1923. Serial No. 674,689. 7 Claims. (Cl. 73—51.)



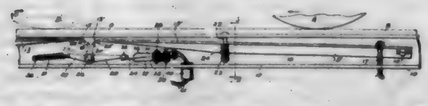
1. In a pressure testing device adapted to test the pressure in a receptacle having a top with closing means such as a cap, means to grasp said receptacle, means to press said grasping means against said top, a gauge and means connected with said gauge to perforate said cap whereby the pressure in said receptacle will be measured by said gauge.

1,539,938. APPARATUS FOR THE PRODUCTION OF GAS AT HIGH TEMPERATURE AND PRESSURE. EUDORE FRANCHIMONT and VITAL CÉSAR, Ixelles, Belgium. Filed Feb. 19, 1921. Serial No. 446,477. 1 Claim. (Cl. 60—44.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



The method of generating high pressure and temperature gases which comprises feeding a six-stroke cycle internal combustion engine on the first stroke with compressed air which is further compressed on the second stroke, injecting combustible fluid and effecting the combustion and partial expansion of the gases on the third stroke, driving out part of the hot and partially expanded gases for use on the fourth stroke, expanding residual gases on the fifth stroke and finally, on the sixth stroke, expelling the residual gases.

1,539,939. RAILWAY-TRACK INSTRUMENT. ROY A. FRY, Omaha, Nebr. Filed June 23, 1923. Serial No. 647,359. 5 Claims. (Cl. 246—251.)



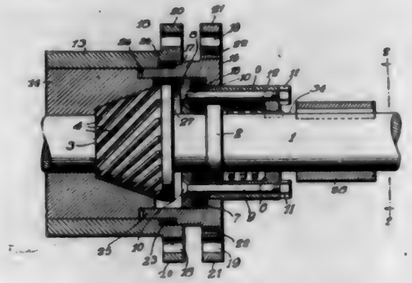
1. In a railway track-instrument, the combination with a track-rail, of a long rigid beam disposed alongside the rail, means fixedly connecting the ends of said beam with adjacent parts of the rail, an amplifying-lever fulcrumed on said beam, and means connecting with the rail a part of said lever adjacent to its fulcrum, whereby a slight relative movement of the rail and beam at the point of said connection may effect a large movement of the free end of the lever.

1,539,940. FINGER-RING BLANK. GEORGE GASCHKE, Newark, N. J., assignor to American Platinum Works, Newark, N. J., a Corporation of New Jersey. Filed June 1, 1922. Serial No. 565,157. 1 Claim. (Cl. 29—160.6.)



As a new article of manufacture, a finger ring blank having a solid back portion and a bifurcated front portion, the bifurcating slit extending more than one quarter and less than one half of the circumference of the ring and midway between the side edges through its entire thickness.

1,539,941. PACKING FOR PUMPS. DOUGLAS B. GENTRY, Crozet, Va., assignor of one-half to Ernest P. Gentry, Crozet, Va. Filed Dec. 29, 1923. Serial No. 683,365. 10 Claims. (Cl. 286—7.)



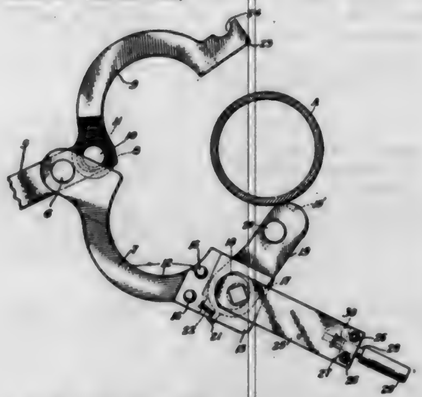
1. In a rotary pump, a pump shaft, a cone mounted on said shaft to revolve therewith and having spiral flutes, a packing gland with a shoulder, a casing with a shoulder, a packing gasket between said shoulders, a cup-shaped member keyed to said shaft, a spring acting thereon, and a packing ring against which said cup shaped member bears.

1,539,942. INK CARTRIDGE. BYRON B. GOLDSMITH, New York, N. Y. Original application filed Mar. 2, 1922, Serial No. 540,488. Divided and this application filed Feb. 16, 1923. Serial No. 619,346. 5 Claims. (Cl. 134—38.)



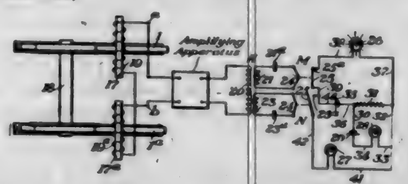
5. Apparatus for making liquid ink comprising a cylindrical pouring tube of substantially uniform bore, in combination with a capsule containing ink powder and extending completely across and within the end of said tube.

1,539,943. PIPE TONGS. EDGAR E. GREVE, Bellevue, Pa. Filed Nov. 17, 1921. Serial No. 515,757. 13 Claims. (Cl. 81—66.)



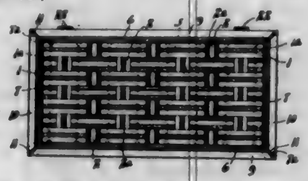
9. A pipe tong comprising a lever having a pair of jaws thereon and a locking member including a pivoted and slidable link on one of the jaws arranged to be reciprocated relatively to both jaws into and out of locking position, and means for maintaining the link in locked position.

1,539,944. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. LARS O. GRONDAHL, Pittsburgh, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1923. Serial No. 679,056. 23 Claims. (Cl. 246—34.)



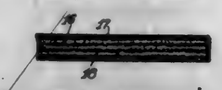
22. In combination, two hot wire relays, means for selectively energizing said relays, an indicator constantly connected with a source of electromotive force, and means controlled by said relays for at times neutralizing said electromotive force.

1,539,945. PANEL FOR CEDAR CHESTS AND OTHER ARTICLES. HERMAN F. HECKER, Oxboro, Minn. Filed Apr. 2, 1924. Serial No. 703,698. 9 Claims. (Cl. 20—75.)



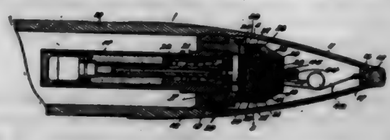
1. A panel formed of adjacent rows of spaced groups of pieces, said panel comprising two sets of groups, said pieces being of rectangular cross section, each group of one set comprising a plurality of similar pieces arranged longitudinally of said panel and the other set of groups each comprising a plurality of similar pieces having a length equal to the width of the groups of said first mentioned set and disposed at an angle to the pieces of the groups of said first mentioned set, all of said pieces having their exposed surfaces at one side of the panel in one plane, and clamping means extending transversely of said panel through the groups of said first mentioned set and between the groups of said second mentioned set.

1,539,946. PAPER HAT. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed July 8, 1920. Serial No. 394,729. 17 Claims. (Cl. 92—69.)



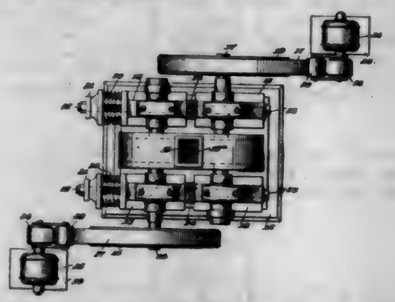
1. A strand formed of a strip of paper which is folded to form three plies, one of said plies being turned in between the other two and pasted in position, said strip being crinkled or gathered to render it edgewise flexible.

1,539,947. FUSE FOR PROJECTILES. WILLIAM L. LUKENS, Bethlehem, Pa., assignor to Bethlehem Steel Company, a Corporation of Pennsylvania. Filed Apr. 7, 1923. Serial No. 630,486. 6 Claims. (Cl. 102—39.)



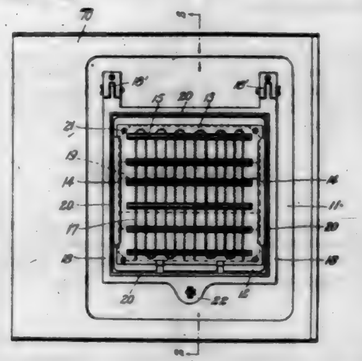
4. The combination with a hollow projectile body having an aperture therein, of a fuse completely enclosed within the projectile wall and adapted to be adjusted for different speeds of action, means for controlling the adjustment of the fuse and removable through said aperture, a detachable plug closing said aperture, a link connection between said means and said plug, and an anticipator insertable through said aperture after the removal of said plug, said fuse and anticipator having interengaging means, whereby the latter may be detachably secured to a fixed portion of the fuse.

1,539,948. DRIVING SYSTEM FOR ROLL-CRUSHING MACHINES. ALEXANDER GRANT MCGREGOR, Warren, Ariz. Filed May 13, 1924. Serial No. 713,089. 9 Claims. (Cl. 83—12.)



1. In a roll crushing machine, the combination with two shafts each provided with a driving pulley and a crushing roll, one of said shafts being mounted in spring-pressed bearings, of two power pulleys located some distance apart and on opposite sides of the said machine and of said shafts, and driving belts connecting said power pulleys and driving pulleys and arranged to pull on one of said driving pulleys in opposition to the stress of the springs for said spring-pressed bearings.

1,539,949. HINGED OVEN ELECTRIC BURNER. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Filed Sept. 12, 1924. Serial No. 737,317. 2 Claims. (Cl. 219—35.)



1. In an electric oven burner, lateral rails or straps, a plurality of cross members connecting the rails, flanges on said rails and on the end cross members, said flanges forming a recess in the structure constituted by the rails and cross members, and a heater element resting in said recess.

1,539,950. TRAFFIC SIGNAL FOR AUTOMOBILES. TOMOTARO OKAMOTO, Fort Lupton, Colo. Filed Jan. 11, 1924. Serial No. 685,523. 7 Claims. (Cl. 116—40.)



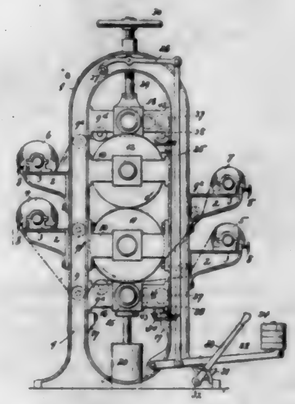
1. An automobile traffic signal comprising a cylindrical box having one end closed and the other end open, a helical spring secured at one end to the closed end of the box, said spring when extended projecting out of said box, a diaphonous covering for said spring, said covering being adapted to be illuminated by a lamp within the same, a flexible member extending axially through the spring whereby it may be contracted and folded within the box, and means connected to the spring and operatively related to the flexible member for preventing buckling of the spring as it is compressed.

1,539,951. CLEANER FOR COTTON FEEDERS. JAMES M. PERSON, Florence, Ala. Filed Aug. 7, 1922. Serial No. 580,364. 19 Claims. (Cl. 19—39.)



2. In a cotton feeder, the combination with a feeder drum, of a picker box into which the drum feeds the cotton and foreign matter, said box having a bottom discharge for the foreign matter and a chute for the discharge of cotton into the gin breast, and co-acting picking and hulling elements adapted to separate the foreign matter from the cotton and deliver each to its approriate discharge, and comprising a picker roller over the bottom discharge and a huller board over the roller and inclined to discharge matter collecting thereon onto the picker board above said discharge.

1,539,952. MACHINE FOR COATING, GLAZING, OR OTHERWISE TREATING PAPER AND SIMILAR MATERIAL. EMIL POHL, Bogota, N. J. Filed Apr. 23, 1924. Serial No. 708,374. 10 Claims. (Cl. 91—50.)

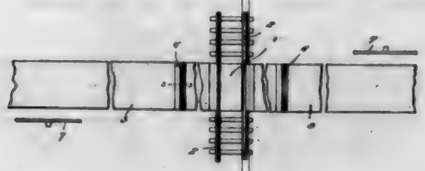


1. A machine for calendering paper and similar material, comprising a frame, a large operating roller rotatably mounted therein, a fixed bearing therefor, a second large operating roller rotatably mounted on said frame, an adjustable bearing therefor, two rotatable smaller rollers, one cooperating with each of the said large operating rollers, movable bearings for the said smaller rollers, means for adjustably pressing the said smaller rollers against their corresponding large operating rollers, means for rotating all the rollers, reels positioned upon said frame for winding and unwinding the web of paper or other material to be treated, means for rotating said reels and guiding rolls for the material to be treated.

6. A machine for calendering paper and similar material, comprising a frame, a large operating roller rotatably mounted therein, a fixed bearing therefor, a second large operating roller rotatably mounted on said frame, an adjustable bearing therefor, two rotatable smaller rollers, one cooperating with each of the said large operating rollers, movable bearings for the said smaller rollers, means for adjustably pressing the said smaller rollers against their corresponding large operating rollers, means for rotating all the rollers, reels for winding and unwinding the web of paper or other material to be treated, means for rotating said reels, guiding rolls for the material to be treated and two adjustable coating devices adapted to cooperate with the said smaller rollers, so as to apply thereto a coating substance.

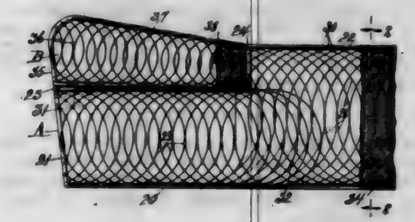
1,539,953. RAILWAY-CROSSING STOP. ERBAL O. PRESNELL and SAMUEL A. PRESNELL, Algiers, La. Filed July 7, 1924. Serial No. 724,627. 1 Claim. (Cl. 238—3.)

A warning device adapted to be located a distance from the railroad track on a cross road including an upwardly extending projection disposed across the road a distance from the railroad track and made of the same material as the cross road, said projection being in the



form of an isosceles triangle in cross section thereby providing oppositely climbing sides, the upper edge of the projection being rounded.

1,539,954. FLEXIBLE TRUSS. ROLAND B. RESPESS, New York, N. Y. Filed Oct. 26, 1920. Serial No. 419,576. 7 Claims. (Cl. 244—31.)

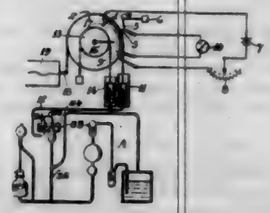


1. A trussed aeroplane wing comprising a frame having spaced rail members, a flattened helix comprising a series of consecutive turns disposed substantially in the plane defined by said rails, each turn of the helix being connected to each of the rails, and a cover for the frame extending over all of the turns of the helix.

1,539,955. MAGNESIUM EXTRACTION. BRODDE E. F. RHODIN, Caldwell, N. J. Filed May 18, 1924. Serial No. 712,990. 7 Claims. (Cl. 75—17.)

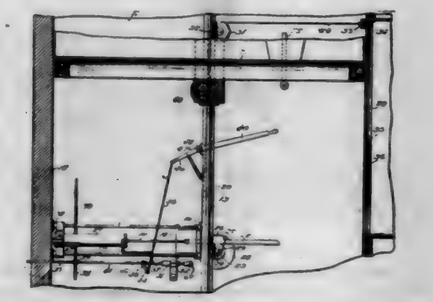
1. The process of extracting magnesium from magnesium alloys which comprises treating such alloys in a bath of molten alkali having chemical affinity for the metal or metals with which the magnesium is alloyed and for which the magnesium has a natural chemical neutrality.

1,539,956. ELECTRICAL INDICATING OR RECORDING MEANS FOR GAS-ANALYZING APPARATUS. OLOF RODHE, Stockholm, Sweden, assignor to Svenska Aktiebolaget Mono, Stockholm, Sweden, a Corporation of Sweden. Filed Dec. 9, 1922. Serial No. 605,989. 4 Claims. (Cl. 175—183.)



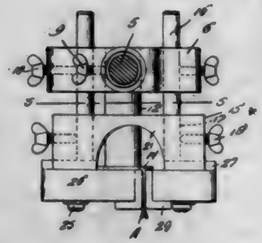
1. In a discontinuously operating gas analyzing apparatus, the combination with a movable member and means for bringing said member into a position corresponding to the result of analysis, of an electrical measuring instrument, a source of current, an adjustable resistance, electrical connections between said instrument, said source and said resistance means for locking said member substantially until the termination of each analysis.

1,539,957. APPARATUS FOR OPERATING ELEVATOR GATES. JOHN ROHRDANZ and EDWIN ROHRDANZ, Blue Island, Ill. Filed Jan. 11, 1922. Serial No. 528,512. 13 Claims. (Cl. 187—54.)



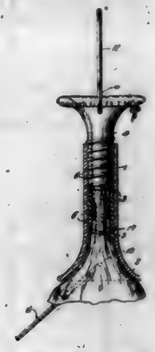
7. Apparatus for operating elevator gates, comprising air-controlled gate operating mechanism, means for supplying air under pressure, and means controlled by the presence or absence of the elevator at a landing for governing the admission of air to operate said mechanism, said last mentioned means comprising a normally open valve freeing and preventing action of air admitted from the source of supply, and means on the elevator for closing said valve when the elevator is at a landing to permit admission of the air to said gate operating mechanism.

1,539,958. BAND-SAW GUIDE. JACOB RUSH, Louisville, Ky. Filed Feb. 10, 1925. Serial No. 8,172. 2 Claims. (Cl. 143—161.)



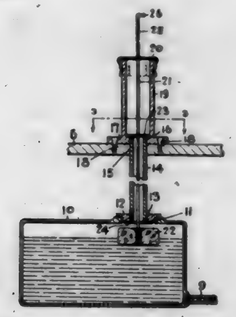
1. In a band-saw guide, a stationary block, a movable guide supporting block, a pair of pins slidable through the blocks, means for locking the pins in adjustment with the blocks, a socket extending through the fixed block, means for holding the socket in adjusted positions in relation to the fixed block, a rotary disk guide having a spindle in the socket, said movable block provided with an opening in which is disposed the rotary disk guide, a pair of side guide members adjustably mounted on the movable blocks.

1,539,959. FRUIT-SQUEEZING DEVICE. LESTER L. SARGENT, Washington, D. C. Filed Nov. 22, 1924. Serial No. 751,653. 4 Claims. (Cl. 100—49.)



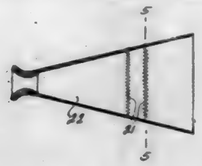
1. In a fruit squeezing device, the combination of interlocking tubes spirally threaded to adjustably engage one another, each of said tubes having a bell portion at one end.

1,539,960. LUBRICATING DEVICE FOR AUTOMOBILES. PAUL F. SCHENOT, Castle Shannon, Pa. Filed Oct. 12, 1922. Serial No. 594,089. 4 Claims. (Cl. 184—105.)



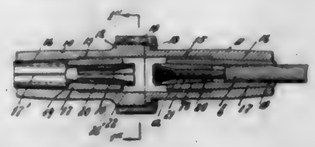
2. Lubricating apparatus for automobile engines comprising an oil supply tank, a pipe connecting said supply tank to the crank case of the automobile engine, a vertical pipe for introducing oil into said tank, a filler pipe of larger diameter than said vertical pipe and connected to the upper end of said vertical pipe, a cap for closing the upper end of said filler pipe, a rod extending through said vertical pipe and said filler pipe and protruding through an opening in said cap, a float carried by the lower end of said rod, and a guide for controlling the vertical movement of said rod.

1,539,961. TONE CLARIFIER FOR MUSICAL INSTRUMENTS. WALTER SCOTT, Sheridan, Wyo. Filed Dec. 15, 1920. Serial No. 430,918. 1 Claim. (Cl. 181—27.)



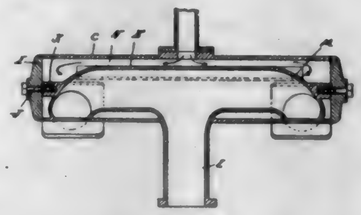
A megaphone embodying an outwardly extending body forming a tone chamber and open at its opposite ends, and coiled springs extending parallel to each other transversely to the axis of the tone chamber and attached at their extremities to the wall of the tone chamber, said springs having different relative resilience and being thereby adapted to vibrate sympathetically and reinforce air vibrations created in said tone chamber.

1,539,962. MEANS FOR CONNECTING BIMETALLIC CONDUCTORS. HERMANN J. SEUFERT, Brooklyn, N. Y., and FRIEDRICH SEUFERT, Munich, Germany. Filed Mar. 27, 1923. Serial No. 627,991. 5 Claims. (Cl. 173—353.)



1. Connecting device for bi-metallic conductors, comprising a rigid outer shell and interposed resilient inner shells, the latter being adapted to bear the inner and outer parts of said conductor and on being compressed in said outer shell to tighten said conductor and insure a good electrical connection.

1,539,963. INTERNAL-COMBUSTION ENGINE. EARL H. SHERBONDY, Detroit, Mich., assignor to Sidney D. Waldon, Detroit, Mich. Filed June 11, 1920, Serial No. 388,239. Renewed July 21, 1924. 5 Claims. (Cl. 123—122.)

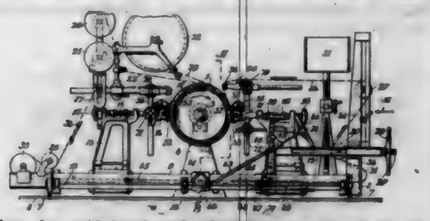


4. In an internal combustion engine, the combination with an exhaust manifold and an intake manifold having a stem portion and portions extending laterally therefrom, of a jacket enclosing the laterally extending portions only of said intake manifold, a conduit for conveying exhaust gases from the exhaust manifold to said jacket, said conduit being connected to said jacket at a point opposite to the stem portion of said intake manifold, means for controlling the passage of exhaust gases through said conduit, baffles within said jacket for directing the exhaust gases to the opposite ends of the laterally extending portions of said intake manifold, said baffles terminating short of the ends of said laterally extending portions and permitting the exhaust gases to sweep around the ends of said laterally extending portions, and an outlet in said jacket for said exhaust gases positioned on the opposite side of the said baffles from that of the connection between the conduit and the jacket.

1,539,964. PROCESS AND APPARATUS FOR MANUFACTURING TUBULAR BODIES FROM CONCRETE. HANS SIEGWART, Lucerne, Switzerland. Filed Apr. 11, 1924. Serial No. 705,853. 13 Claims. (Cl. 25—30.)

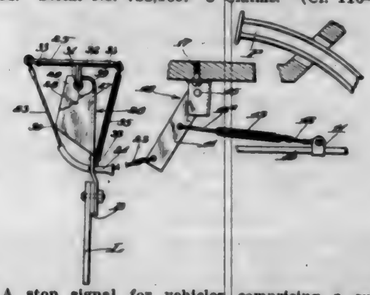
1. In an apparatus for manufacturing tubular bodies such as pipes, masts and the like from concrete and reinforced concrete, a turnable core, a moving band slung

around parts of said core and effecting the application of the concrete on the core, and means carrying guide



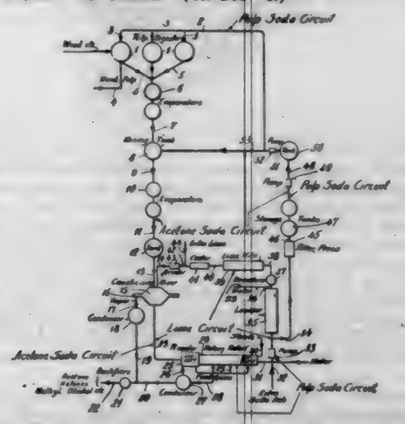
rollers for said band and adapted to be angularly adjusted in opposite directions about an axis at right angles to the axis of the core.

1,539,965. STOP SIGNAL FOR MOTOR VEHICLES. FRED C. SMITH, Los Angeles, Calif. Filed July 25, 1924. Serial No. 728,169. 5 Claims. (Cl. 116—45.)



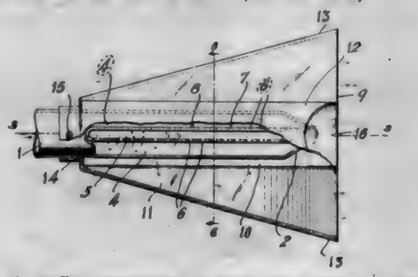
1. A stop signal for vehicles comprising a support formed of sheet metal bent to provide a back portion and a pair of sides, a spindle extending between said sides, a bracket rotatable upon said spindle, a signal plate secured to said bracket, spring means secured to said support and adapted to yieldably maintain said signal plate in horizontal position, and means for drawing said signal plate into a vertical position against the action of said spring means.

1,539,966. DISTILLATION APPARATUS AND PROCESS FOR PRODUCING ACETONE. NOEL STATHAM, Hastings-on-Hudson, N. Y. Filed Jan. 28, 1919, Serial No. 273,589. Renewed Dec. 6, 1921. Serial No. 520,402. 18 Claims. (Cl. 203—6.)



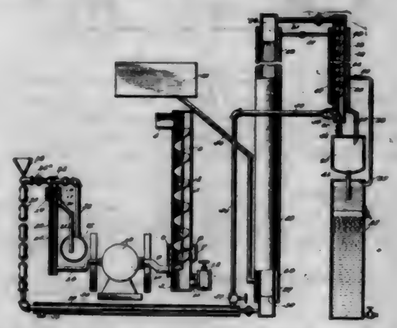
14. The process of producing acetone from wood pulp waste liquor or the like which comprises concentrating the waste liquor from the digesters and incorporating and combining additional caustic soda therewith, incorporating and combining large quantities of caustic lime with said concentrated liquor to form a substantially solid high lime causticized organic acetate material, dry distilling and calcining said acetate material, leaching caustic soda liquor from the calcined distillation residue and incorporating such soda liquor with the waste liquor from the digesters.

1,539,967. EXHAUST MUFFLER. CHARLES G. STOCKTON, Ocean Grove, N. J. Filed Mar. 31, 1923. Serial No. 629,030. 5 Claims. (Cl. 137—160.)



1. A muffler comprising an inlet pipe having a plurality of oppositely disposed spaced chambers providing passages therebetween transverse of said inlet pipe, each of said chambers being adapted to receive exhaust gases at one end and being formed in its wall opposite a wall of an adjacent chamber with a plurality of openings communicating with the one of said passages between said adjacent chambers, each of said openings being disposed opposite a corresponding opening in the adjacent chamber, and an outlet casing surrounding said inlet pipe in spaced relation thereto to form an annular passage between said inlet pipe and said casing communicating with said transverse passages of the inlet pipe, said casing being provided with a plurality of outlet openings communicating with said annular passage and arranged in staggered relation to said transverse passages of the inlet pipe.

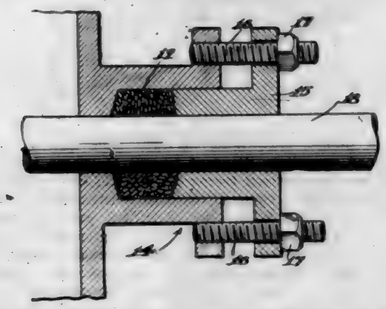
1,539,968. GAS-SEPARATOR APPARATUS. CHARLES F. W. TABLER, Tampico, Mexico. Filed Mar. 26, 1924. Serial No. 702,116. 19 Claims. (Cl. 183—32.)



1. An apparatus of the class described comprising in combination, a centrifugal separator adapted to be connected to a source of supply of oil laden gas, a pump connected with the outlet end of the separator for withdrawing the condensed portions of the gases and for placing said portions and lean gases under greater pressure, a centrifugal separator connected with the discharge end of the pump for receiving the condensed portions and gases to cause separation of discoloring matter from the condensed portions, cooling coils connected with the outlet of the second centrifugal separator, a

vertically disposed drunf connected with the cooling coils in which a predetermined level of water is adapted to be maintained and through which the condensed portions and the gases may be passed, a refrigerating chamber enclosing the drum, a centrifugal separator connected to the top of the drum, a refrigerating chamber embracing the last mentioned separator, a pipe connecting the two refrigerating chambers, a tank adapted to receive the condensed gasoline under pressure, a valved connection between the storage tank and the last mentioned refrigerating chamber whereby the gasoline under pressure is permitted to escape to and expand in the refrigerating chamber for cooling the last mentioned centrifugal separator and the drum in which the gases are washed.

1,539,969. PACKING. DANIEL H. TAYLOR, Los Angeles, Calif. Filed Mar. 18, 1924. Serial No. 700,064. 2 Claims. (Cl. 106—8.)



2. Packing material comprising a plurality of lubricated units each of triangular shape in cross section and having parallel oblique ends.

1,539,970. BUMPER. HUSTON TAYLOR, Detroit, Mich. Filed Dec. 3, 1924. Serial No. 753,537. 7 Claims. (Cl. 293—55.)



1. A bumper comprising an impact bar adapted to be extended transversely across an end of a motor vehicle, said bar at each end being provided with widened and flared and inwardly curved end portions, and supports for said bar inwardly from each end thereof.

1,539,971. AUTOMOBILE BED.—CALVIN A. TERWILLIGER, Los Angeles, Calif. Filed Nov. 26, 1924. Serial No. 752,435. 4 Claims. (Cl. 155—7.)



1. Means for forming an automobile bed, including a front seat support on the floor of the automobile and having an inclined top, a rear seat bench, a rear seat cushion arranged and levelled between the bench and said support, and a backless, tapered front seat cushion supported directly in reversed, level position on the said support; all cooperating, when so arranged, to form a support for a full length mattress.

1,539,972. CONE SUPPORT FOR WINDING MACHINES. FLOYD C. TODD, Gastonia, N. C. Filed Oct. 31, 1924. Serial No. 747,019. 7 Claims. (Cl. 242—130.)



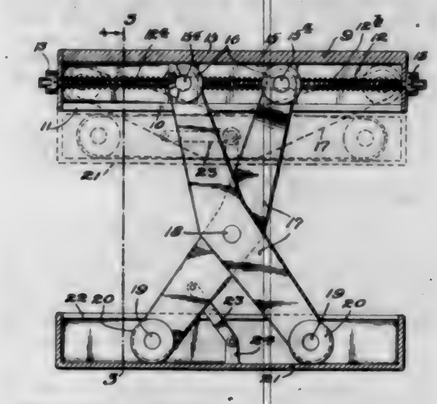
1. In a cone supporting device for winding machines and the like, a stationary spindle, a cone arbor upon said spindle, said bearing comprising a pair of concentric flanges with balls between, one of said flanges having a wedging fit upon said spindle and the other flange a wedging fit within said arbor.

1,539,973. FUME COLLECTING AND REMOVING APPARATUS. EDWARD L. TRUXAL, Wilkinsburg, Pa., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J., a Corporation of New Jersey. Filed July 19, 1923. Serial No. 652,658. 8 Claims. (Cl. 266—7.)

7. The combination with a treating vat for treating metal containing an acid solution, of a plurality of blast nozzles arranged along the one side wall of said vat, means for directing air under pressure through said nozzles, said nozzles being adapted to direct the air over said vat so as to blow all fumes and vapors across said vat to the side opposite from said nozzles, and a plurality of trapping hoods arranged along the side wall of said vat opposite from said nozzles and adapted to trap the fumes and vapors blown over by the air from said nozzles.

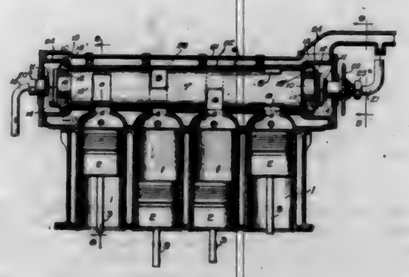
1,539,974. LIFTING JACK. GORDON TUCKER, Minneapolis, Minn. Filed Apr. 10, 1922. Serial No. 551,126. 9 Claims. (Cl. 254—86.)

1. The combination with an auto axle, of a pair of transversely crossed intermediately pivoted levers connected to said axle at their upper ends for vertical movements therewith but movable longitudinally of said axle, said levers at their lower ends having applied



thereto movable rollers, and means applied to said levers for imparting relative angular movement thereto to raise and lower said axle.

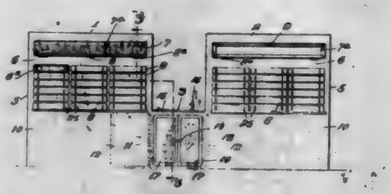
1,539,975. VALVE FOR INTERNAL-COMBUSTION ENGINES. PETER TRIEFENBACH, WILLIAM J. TRIEFENBACH, ALFRED P. TRIEFENBACH, GEORGE L. TRIEFENBACH, and EDMUND A. RAMELOW, St. Louis, Mo. Filed May 31, 1923. Serial No. 642,650. 3 Claims. (Cl. 123—190.)



1. In a device of the character described, a valve chamber, a rotary valve arranged therein, means for rotating said valve, means for delivering a cooling fluid to the interior of said valve, reinforcing fins spirally arranged on the interior of said valve, said reinforcing fins being adapted to take up the heat and radiate it to said cooling fluid passing through said valve, means for discharging said fluid from said valve and an air pipe arranged within said valve.

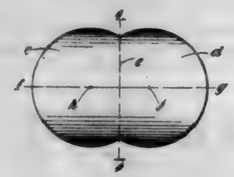
1,539,976. MACARONI DRIER. JOSEPH VERNACI, Brooklyn, and ANTONIO CAROLLO, LUIGI CAROLLO, and SALVATORE CAROLLO, Long Island City, N. Y. Filed Sept. 18, 1923. Serial No. 663,393. 6 Claims. (Cl. 94—19.)

2. In a drier for macaroni, or the like, the combination of a pair of drying chambers, and an intermediate chamber having openings in the drying chambers, a fan in the intermediate chamber, means to close said openings to permit the fan to circulate the drying medium through one chamber and exhaust it through the intermediate chamber and means to prevent the circulation



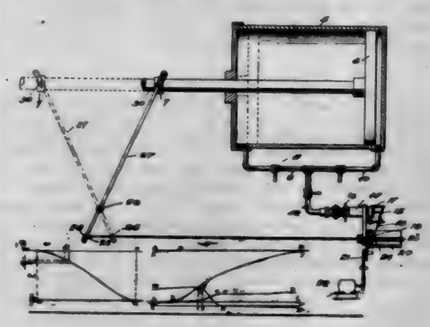
of the drying medium through the other chamber, said means and said fan being reversible to cause the medium to circulate through either chamber.

1,539,977. TARGET FOR TRAP SHOOTING AND THE LIKE. WILLIAM DENHAM VERSCHOYLE, Ballisodare, Ireland. Filed May 17, 1924. Serial No. 713,889. 4 Claims. (Cl. 124—17.)



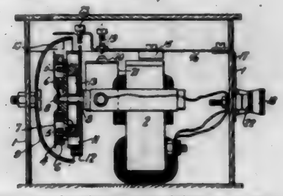
4. An improved target for trap shooting and the like, as claimed in claim 1, having a profile constituted by the major arcs of two circles, said target being cambered transversely of a line on which lie the centres of said circles.

1,539,978. CHRONOGRAPH. GUYSBERT BOGERT VROOM, Washington, D. C. Filed June 6, 1924. Serial No. 718,405. 5 Claims. (Cl. 234—21.)



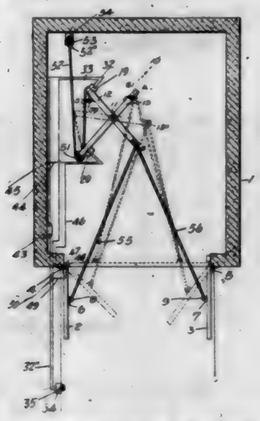
4. In combination with a pressure displacement engine to be tested, including a cylinder and cross-head, a chronograph card, means for moving said card at a constant speed, means connected with the interior of the cylinder and actuated by the pressures therein for recording the pressure upon said card during the complete stroke and a second means connected with the cross-head and adapted to indicate upon said card a curve denoting cross-head displacement whereby said curves may be subsequently analysed to determine the performance and condition of the engine tested.

1,539,970. ALARM DEVICE. ARTHUR SAMUEL WADDINGTON, London, England, assignor of one-half to Waddington Tamperproof Taximeters Limited, London, England. Filed Aug. 16, 1924. Serial No. 732,591. 5 Claims. (Cl. 177—314.)
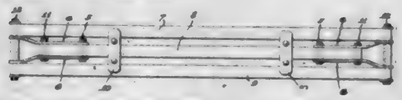


1. An alarm mechanism comprising a motor including an armature, a normally open circuit therefor including a vibration operated circuit closer, means operated upon energization of said motor for maintaining said circuit closed, an alarm, means operated by rotation of the armature for sounding the alarm, and means including a centrifugally operated clutch operated by the rotation of said armature for actuating said circuit closer to open the circuit when said armature attains a predetermined speed.

1,539,980. GARAGE-DOOR-OPERATING MECHANISM. EDWARD EARL WHEELER, Toronto, Ontario, Canada. Filed Apr. 20, 1923. Serial No. 633,400. 3 Claims. (Cl. 268—0.)



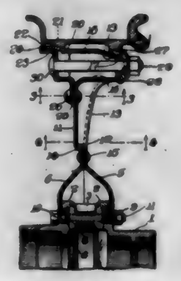
1. In a garage door operating mechanism, the combination with the doors, of a vertically movable weight means for raising the weight to the limit of its upward movement by the opening of the door, weight releasing means operated remote from the doors and located exterior to the garage, mechanism operated by the partial fall of the weight for closing the doors, means for holding the weight stationary after its partial fall, and means for opening the doors operated by the further or final fall of the weight when again released after the partial fall.

1,539,981. BUMPER. RALPH H. WILLIAMS, Detroit, Mich. Filed July 28, 1924. Serial No. 728,562. 7 Claims. (Cl. 293—55.)



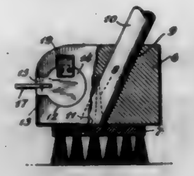
1. In a device of the character described, a frame, a fender having a plurality of flexible arms at the ends thereof, and links hingedly extending from the ends of said frame to which links the extremities of said arms are connected at differing distances from the hinged ends of said links.

1,539,982. PRESSED DISK WHEEL. WILLIAM ERASTUS WILLIAMS, Chicago, Ill., assignor to American Steel Foundries, Chicago, Ill., a Corporation of New Jersey. Filed Nov. 10, 1919, Serial No. 336,814. Renewed June 23, 1922. Serial No. 570,518. 16 Claims. Cl. 301—64.)



1. In a wheel of the class described, a hub provided with flanges adapted to have secured thereto two disks oppositely faced, smooth in their area in the zone surrounding the hub, and joined in a region intermediate between the hub and the rim, and one disk terminating at this junction and the other disk extending to the rim of the wheel and formed into horizontally arranged rim flanges.

1,539,983. SCRUBBING AND CLEANING IMPLEMENT. ADAM P. WIMARSKI, New York, N. Y. Filed July 30, 1924. Serial No. 729,013. 1 Claim. (Cl. 15—114.)

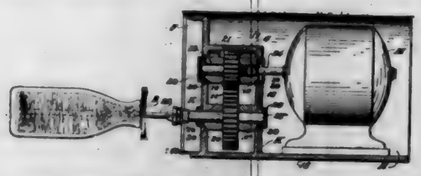


An implement of the class described including a body having a recess extending longitudinally therethrough, said recess having an enlarged portion and a restricted portion communicating with one face of said body, a cleaning and scraping device having a portion serving as a rigid handle of a diameter to be securely grasped in the hand to permit of the device being used separately from said body, said handle portion corresponding in shape to that of said recess and engageable in said recess, and said device having a movement longitudinally of said recess to permit of the same being detached from said body.

1,539,984. BOTTLE-WASHING MACHINE. FRANK C. WOLF, Los Angeles, Calif. Filed Feb. 3, 1922. Serial No. 538,865. 4 Claims. (Cl. 15—65.)

1. A bottle washing machine comprising a pair of castings having their confronting sides formed with bearings arranged in pairs with the bearings of one pair disposed in confronting relation to each other and spaced apart from the bearings of the other pairs, a shaft journaled in each pair of bearings, gears fixed to said shafts, said gears including a driving gear and driven gears, the latter meshing with each other and the former meshing with one of the driven gears, brush supporting shafts detachably associated with the shafts

of the driven gears, means for driving the shaft of the driving gear, a loose and operative connection between the motor shaft and the driving shaft to allow the necessary end thrust of the motor shaft, said connection including a recess in a driving shaft, adapted to receive the adjacent end of the motor shaft, a slot in



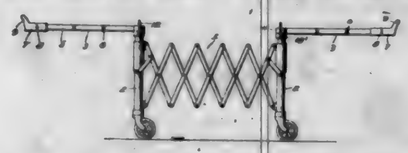
the motor shaft, and a pin secured to the driving shaft and extending through the slot of the motor shaft, caps associated with the castings to provide lubricating compartments at or adjacent the ends of the shafts, and ducts formed in the castings for effecting communication between the interior of the caps and the spaces between the adjacent pairs of bearings.

1,539,985. POURING SPOUT FOR CARTONS AND RECEPTACLES. ERASTUS S. ALLEN, Toledo, Ohio. Filed Nov. 2, 1923. Serial No. 672,429. 6 Claims. (Cl. 229—17.)



1. A container having overlapping portions, the underlying portion having cut lines forming a pattern of the side and top walls of a dispensing spout, the base of said dispensing spout articulated to the underlying portion, said cut lines out of register with cut lines forming a pattern of a withdrawal flap in the overlying portion and means for sealing said cover flap to said pattern of a dispensing spout whereby adhesive applied to seal said underlying and overlying portion of the container shall seal said pattern of a withdrawal flap to said pattern of a dispensing spout.

1,539,986. CASKET-CARRIAGE ATTACHMENT. ROBERT JAS. BEATTY, Dodge Center, Minn. Filed Dec. 16, 1924. Serial No. 756,257. 4 Claims. (Cl. 280—35.)



1. In an attachment for casket carriages, wherein the latter include the usual corner posts, of means associated with the corner posts for preventing the accidental displacement of the casket from the carriage, said means comprising arms rotatably mounted on the upper ends of said posts and adapted to extend outwardly therefrom.

1,539,987. ADJUSTABLE WRENCH. JOHN A. BELL, Detroit, Mich. Filed Feb. 11, 1924. Serial No. 692,151. 1 Claim. (Cl. 81—130.)



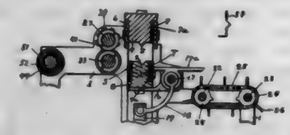
A wrench comprising a handle provided at its end with a plate portion having a series of rack teeth mounted upon the edge thereof and disposed in a line transversely of the handle, said plate portion being provided at one end with a surface which is disposed at an acute angle to the line of the rack teeth, said plate portion being provided in the vicinity of its ends with transverse slots which diverge from each other from the intermediate portion of the plate toward the ends thereof, side plates having grooves and disposed at the opposite sides of said plate portion of the handle, cross pins carried by the side plates and passing through the said slots, a jaw carried by the side plates and having an end portion disposed opposite the inclined end surface of the plate portion of the handle, a jaw slidably mounted in the grooves of the side plates and having teeth adapted to engage the teeth mounted upon the plate portion of the handle and a spring interposed between the jaws to normally urge the movable jaw toward the stationary jaw.

1,539,988. FLOOR CONSTRUCTION. OLIVER S. BOWMAN, Colorado Springs, Colo. Filed July 28, 1924. Serial No. 728,709. 3 Claims. (Cl. 94—13.)



1. A floor of the class described comprising a flexible wood base; water proof material, as tar paper, disposed on said base; sheet metal angles, having notches in their horizontal legs and longitudinal corrugations with holes therein in their vertical legs, bent at said notches and holes disposed on said water proof material to form polygonal molds, and fixed on said flexible base; and concrete disposed in said molds; for the purposes set forth.

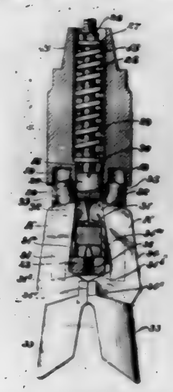
1,539,989. FORMING MACHINE. OLIVER S. BOWMAN, Colorado Springs, Colo. Filed Nov. 15, 1924. Serial No. 750,196. 13 Claims. (Cl. 153—2.)



1. In a machine of the class described, the combination of a frame having two guideways; a fixed die, having a longitudinal rib, mounted on said frame above said guideways; a movable die, having a longitudinal groove adapted to receive said longitudinal rib, mounted in said guideways; a main shaft journaled in said frame; a drive wheel mounted on said main shaft; an upper feed roller shaft journaled in said frame; a ratchet wheel mounted on said upper feed roller shaft; a lever, carrying a pawl adapted to engage said ratchet wheel, mounted on said upper feed roller shaft; a crank mounted on said main shaft; a link bar connecting said lever and said crank; a lower feed roller shaft journaled in said frame directly below said upper feed roller shaft; two slitting

and perforating rollers mounted on said upper feed roller shaft, each roller comprising a cylinder having rectangular radial grooves in one end and similar semicircular radial grooves in the other end, a collar having similar rectangular radial grooves, disposed with its rectangular grooves adjacent to the rectangular grooves of said cylinder, a collar, having similar semicircular radial grooves, disposed with its semicircular radial grooves adjacent to the semicircular radial grooves of said cylinder; knives, having two slitting segments, disposed in said rectangular grooves and pins disposed in said semicircular grooves and firmly clamped therein; two feed rollers mounted on said lower feed roller shaft and having peripheral grooves adapted to receive the knives and pins of said slitting and perforating rollers; two perforating rollers mounted on said upper feed roller shaft, each of said perforating rollers comprising two collars, each having semicircular radial grooves, disposed with the grooves of one collar adjacent to the grooves of the other, and pins disposed in said grooves and firmly clamped therein; and two feed rollers mounted on said lower feed roller shaft adjacent to said perforating feed rollers and each having a peripheral groove adapted to receive the points of said pins.

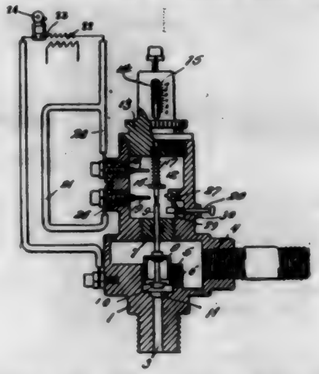
1,539,990. UNDERREAMER. JACOB S. BROWN, Los Angeles, Calif., assignor, by direct and mesne assignments, of one-half to Walter F. Eichenhofer, Los Angeles, Calif. Filed Mar. 24, 1922. Serial No. 546,850. 7 Claims. (Cl. 255—75.)



1. An underreamer comprising a stock having slipways formed therein and sockets at one end of the slipways, a head between the slipways, a plunger movable in the stock and having an opening formed therein, cutters mounted in the slipways and including shanks and heads formed on the shanks adapted to fit in said sockets, lugs formed on the shanks and engaging within the opening of said plunger, thrust shoulders formed on the shanks and engageable with said head to effect expansion of the cutters when the plunger is moved in one direction, and means for urging the plunger to a definite position wherein the cutters are held in expanded position.

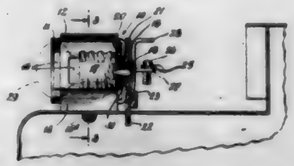
1,539,991. PRESSURE-RESPONSIVE SWITCH FOR GAS-FLOW ALARMS. HARRY CAPPELLANTI, Morgantown, W. Va. Filed Feb. 13, 1924. Serial No. 692,570. 3 Claims. (Cl. 200—82.)

1. A pressure responsive switch for a gas flow alarm comprising a body having an inlet and an outlet opening, a plug located within the body and dividing the interior thereof into upper and lower compartments, a septum wall located in the lower compartment and partially surrounding the inlet opening, said septum wall being provided with a transversely disposed opening, a piston mounted for movement over the opening in the septum wall, a stem connected with the piston and passing through the plug, a valve carried at the lower end of the stem and adapted to close over the inlet opening, a cap connected with the body and forming a side of the upper compartment, said rod passing through the cap,



the cap having a slot through which the rod may be observed, there being provided at the edge of the slot, a series of graduations, a contact carried by the rod, and spaced terminals carried by and insulated from the body and having their extremities disposed in the path of movement of the disk.

1,539,992. TOY HEADLIGHT. MARIO CARUSO, Irvington, N. J., assignor to The Lionel Corporation, a Corporation of New York. Filed Mar. 6, 1924. Serial No. 697,271. 6 Claims. (Cl. 240—7.)



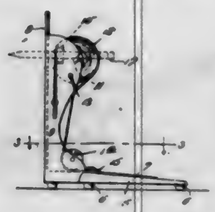
1. A toy headlight for toy locomotives comprising a hollow cylindrical body piece having two rectangular shaped openings positioned diametrically opposite one another, and a substantially rigid U-shaped supporting member fitted through the said openings and interlocking with said cylindrical body.

1,539,993. IMPRESSION METAL. EDWIN J. CONLEY, New York, and GEORGE W. MULLEN, Flushing, N. Y., assignors, by mesne assignments, to Lehmaier Schwartz & Co., Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1923. Serial No. 658,748. 5 Claims. (Cl. 204—6.)



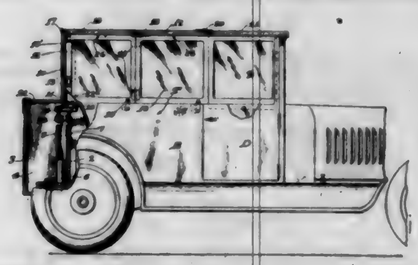
1. As a new article of manufacture, lead impression plates for electrotyping, having a surface thereof provided with a protective coating of lead bichromate.

1,539,994. ORDER OR NOTE PAPER ROLL MACHINE. DOCTOR L. COOPER, Newton, Miss. Filed Aug. 31, 1923. Serial No. 660,282. 1 Claim. (Cl. 281—11.)



A device of the class described comprising a base, an upright rising from one side thereof, said upright being of a predetermined width and having vertically extending flanges formed on its opposite vertical edges, the inner faces of said flanges being provided with the inclined open ended recesses adapted to receive the journals of a paper holding roll, clips for retaining said journals in position, a paper tension and guiding roll rotatably mounted between the lower portions of said flanges at a point beneath the journals of the paper holding roller, the paper being adapted to be trained over said guiding roller in the manner to dispose it between the adjacent portions of the flanges, permitting the latter to function additionally for confining the paper therebetween.

1,539,995. FOLDING TOP FOR MOTOR VEHICLES. EDWIN DICKMAN, Riverside, Calif. Filed May 10, 1923. Serial No. 637,969. 3 Claims. (Cl. 296—108.)

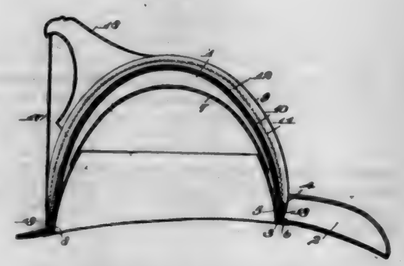


2. The combination with a vehicle body, of a receptacle including a front wall, a rear wall, end walls connecting the front and rear walls, a counter-weight guide inside of the front wall, a counter-weight in the guide, a counter-weight pulley extending backwardly from the front wall above the guide, a flexible connection attached to the counter-weight and extending over the pulley, a second pulley above the first pulley and over which the flexible connection extends, a cover hinged to the back wall to swing forwardly and rest upon the end walls, and a sectional folding top having one element attached to the flexible connection and adapted to fold and be placed in the receptacle.

1,539,996. PROCESS OF RECOVERING TITANIC OXIDE FROM TITANIUM-NITROGEN COMPOUNDS. PEDER FÆRUP, Vestre Aker, Norway, assignor to Titan Co. A/S., Fredrikstad, Norway. Filed Dec. 20, 1922. Serial No. 608,094. 1 Claim. (Cl. 23—202.)

The process of recovering titanic oxide from titanium nitrogen compounds which comprises mixing the compound with a quantity of sulphuric acid not materially exceeding that required to combine with the constituents of the compound other than titanium and heating the mixture in excess of atmospheric pressure whereby the titanium contents of the material is obtained as an insoluble precipitate while its impurities as well as its iron and nitrogen contents are obtained as water soluble sulphates.

1,539,997. FIREMAN'S HAT. ARTHUR FENICHEL, Oakland, Calif. Filed Sept. 20, 1924. Serial No. 738,855. 2 Claims. (Cl. 2—5.)



2. A hat of the character described comprising a crown made in a single piece, a brim made in a single piece and having an opening receiving the rim portion of the crown, a band encircling the crown at the upper end of the opening in the brim, said band having the upper end portion thereof secured to the crown and then being folded downwardly upon itself so that the lower end portion thereof overlaps said brim, the lower end portion of said band being attached to said brim.

1,539,998. VENTILATOR FOR PASSENGER VEHICLES. ERNEST LEONARD FORD, Darlington, England. Filed Sept. 11, 1922. Serial No. 587,486. 7 Claims. (Cl. 98—22.)

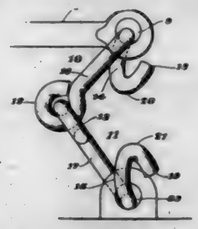


1. A ventilator for closed or partially closed vehicles, comprising a frame adapted to encircle an aperture in the roof of the vehicle, a flap valve pivoted to the front of said frame in advance of the aperture therein, a deflector depending from the underside of said frame from the back edge of the aperture therein and co-acting with said valve so that the current of air caught by said deflector will cause it to open the aperture in the roof automatically when the vehicle is moving in a forward direction.

1,539,999. RELEASE RIGGING. GARTH G. GILPIN, Riverside, Ill., assignor to Walter P. Murphy, Chicago, Ill. Filed Sept. 19, 1921. Serial No. 501,579. 2 Claims. (Cl. 213—166.)

1. In a release rigging for a car coupler comprising an operating rod having a horizontally disposed eye, a coupler lock pin having a horizontally disposed eye, and

a connector operatively connecting said eyes composed of two links flexibly connected at their adjacent ends, each link formed at its opposite end into a spiral hook,



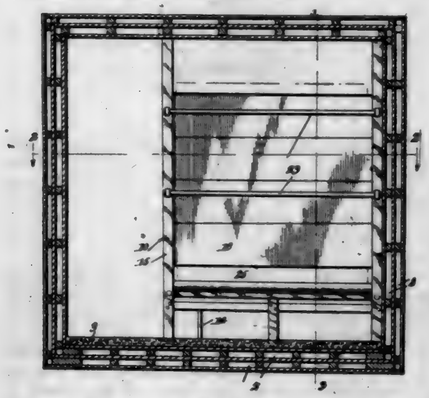
said spiral hooks so positioned that a rotative motion of the two connected links would thread one link into its adjacent eye and the other link out of its adjacent eye.

1,540,000. CARTRIDGE-FUSE FERRULE TYPE FOR REMOVABLE FUSE ELEMENTS. JOHN B. GLOWACKI, Chicago, Ill. Filed Feb. 1, 1922. Serial No. 538,194. 2 Claims. (Cl. 200—132.)



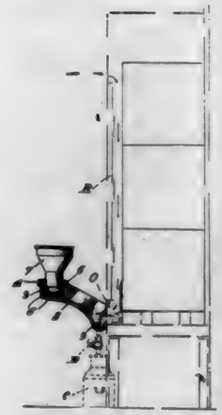
1. In a fuse cartridge, a cylindrical housing of compressible material, thimbles, one in each end of said housing, each of said thimbles having a portion of its walls displaced so that it penetrates into the material of the housing from the interior thereof, the displaced portions of one only of said thimbles extending to the edge of the thimble.

1,540,001. REFRIGERATOR. HUGHT ALEXANDER GRANT, Malone, N. Y. Filed Apr. 7, 1924. Serial No. 704,807. 3 Claims. (Cl. 62—61.)



3. The combination with a cooling chamber having an ice rack mounted therein above the floor thereof, standards rising from the front corners of said rack, said standards being composed of angle iron one member of which has inwardly projecting stops, each of said standards having a seat formed therein, boards mounted edgewise in said standards and resting on said seats, said stops operating to hold the boards against inward movement, and a space formed between said seats and the rack to provide an outlet for the cold air from the ice chamber.

1,540,002. MILK-COOLING PAN. HUGHT ALEXANDER GRANT, Malone, N. Y. Filed May 2, 1924. Serial No. 710,591. 3 Claims. (Cl. 31—4.)



1. An elongated trough-like pan having a convexo-concave bottom and provided with upstanding side and end flanges, a longitudinally extending trough located adjacent one side flange having a valve controlled spout leading therefrom, a trough removably mounted on the other side flange and extending throughout the length of the pan, said trough being provided with a plurality of apertures in the bottom thereof with the bottom spaced above the pan bottom.

1,540,003. DETACHED GARMENT BAND. LILLIE M. HALLER, San Pedro, Calif. Filed Feb. 8, 1923. Serial No. 617,759. 1 Claim. (Cl. 2—236.)



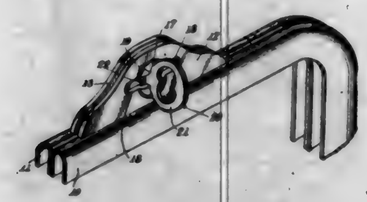
As an article of manufacture, a garment band for attachment to the tops of pants and bloomers for children, consisting of inner and outer layers of material closed at each end by transverse lines of stitching, buttonholes formed at the ends of said band oblique to the length of the band, and reinforcing pieces inserted between said inner and outer layers and having slits registering with said buttonholes, the threads in said reinforcing pieces being oblique to said button holes and reinforcing the latter.

1,540,004. BAG FASTENER AND METHOD OF MAKING SAME. WILLIAM C. HIBBING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed Apr. 10, 1924. Serial No. 705,718. 6 Claims. (Cl. 113—116.)



1. Method of making bag fasteners which consists in forming a bar with open cusps at its ends and prongs between said cusps, cutting said bar into homogeneous parts, plating the said fasteners and closing said cusps.

1,540,005. BAG-FRAME FASTENER. WILLIAM C. HIBBING, Newark, N. J., assignor to J. E. Mergott Co., Newark, N. J., a Corporation of Delaware. Filed July 31, 1924. Serial No. 729,235. 4 Claims. (Cl. 292—202.)

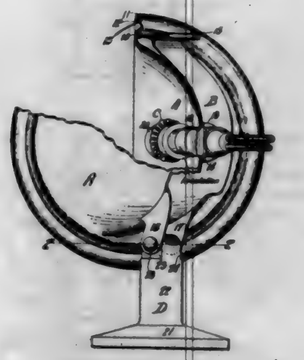


1. A bag lock comprising a pair of frame sides, plates rigid therewith and extending upwardly in parallel position therefrom, one of said plates having a spherically curved lateral extension, and an elongated slot therethrough, a key having a stem rotatably mounted in the mating plate, the head of said key being adapted to pass through the slot, and means for tensionally retaining the key in an adjusted position.

1,540,006. METALLIC ALLOY. FRANK S. HODSON, Philadelphia, Pa. Filed Oct. 7, 1920. Serial No. 415,267. 2 Claims. (Cl. 75—1.)

1. The method of making a metallic alloy which consists in first making a hardening alloy of approximately 51 parts aluminum, 49 parts copper, one part manganese and one half part titanium; adding approximately 5 parts of the hardening alloy to approximately 12½ parts of molten aluminum, and adding this co-mixture to approximately 83 parts of molten zinc.

1,540,007. REFLECTOR HEATER. CHARLES W. HOMETER, Cleveland, Ohio. Filed Sept. 15, 1924. Serial No. 737,716. 11 Claims. (Cl. 219—34.)



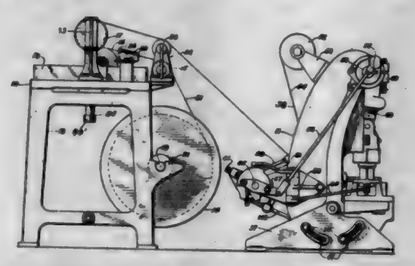
1. A reflector heater comprising, a heat reflector, a bracket mounted on said reflector to support the same on a base, the middle portion of said bracket contacting the back of said reflector and the rear portion of the heating element of the heater extending therethrough, the upper portion of said bracket bent outwardly, and the upper end of said bracket curved outward and downward to form a handle to carry the heater.

1,540,008. ELECTRICAL CONNECTER. CHARLES L. HOPKINS, River Forest, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 2, 1922, Serial No., 565,350. Renewed Nov. 6, 1924. 12 Claims. (Cl. 173—361.)



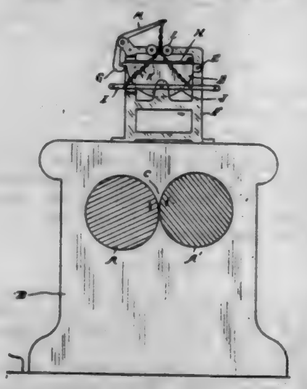
2. A cap for electrical connecters comprising an insulating base, conducting blades rotatably mounted on said base, and means for rotating said blades comprising an extension handle supported on said base.

1,540,009. CAN-CAP-LINING APPARATUS. JOHN M. HOTHERSALL, Brooklyn, N. Y., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 5, 1923. Serial No. 622,732. 13 Claims. (Cl. 113—80.)



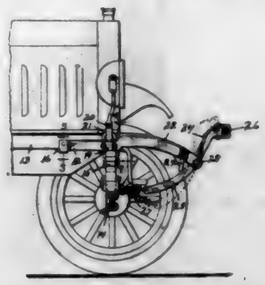
1. A machine for lining container covers, comprising means for feeding liner material, means for feeding covers to be lined, means for cutting liners from said material and applying them to the covers, and means for preventing the feeding of the liner material in the absence of a cover in position to be lined.

1,540,010. METHOD AND MEANS FOR PREVENTING ACCIDENTS WITH ROLLING MILLS. JOSEPH H. HUNTER, Detroit, Mich. Filed Mar. 5, 1923. Serial No. 623,064. 5 Claims. (Cl. 18—2.)



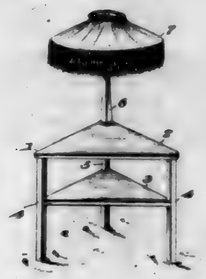
5. A safety device for rolling mills and the like, comprising means for storing lubricant in proximity to the machine, and means for discharging said lubricant to coat the surface of a member to be guarded from said machine.

1,540,011. AUTOMOBILE BUMPER. FREDERICK E. HUTCHINGS, Brooklyn, N. Y., assignor to Hutchings Manufacturing Co., Inc., New York, N. Y., a Corporation of New York. Filed Mar. 6, 1922. Serial No. 541,444. 7 Claims. (Cl. 293—55.)



4. A bumper for automobiles of the type in which there are no frame parts projecting forwardly materially beyond the axle and in which the front body bolster is connected to the axle by a transversely extending semi-elliptical spring in the vertical plane of said axle and bolster, said bumper including a pair of bars rigidly secured to the body and projecting forwardly from the ends of the bolster, levers pivoted intermediate of their ends to the front ends of said bars and movable in parallel vertical planes, a bumper bar carried by the front upper ends of said levers, and springs connected to the lower rear ends of said levers for resisting rearward movement of said bumper bar.

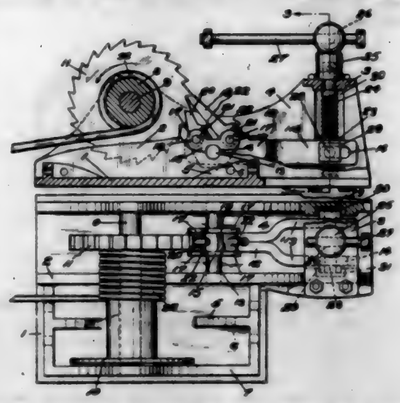
1,540,012. COMBINED TABLE AND LAMP STANDARD. GARNETT JANUARY, Washington, D. C. Filed Mar. 21, 1924. Serial No. 700,850. 8 Claims. (Cl. 45—31.)



1. As a new article of manufacture, a horizontal top member, having a plurality of supporting legs secured thereto, one leg of which extends upward above said member to provide and constitute a supporting standard for lamp fixtures.

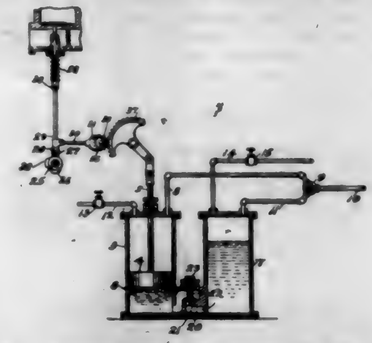
1,540,013. STUMP PULLER. GEORGE HENRY JENKINS, Salmon Arm, British Columbia, Canada. Filed Mar. 20, 1923. Serial No. 626,365. 2 Claims. (Cl. 254—180.)

1. In a stump puller, the combination with a journalled drum, of a ratchet wheel thereon, a fulcrumed arm, a ratchet wheel engaging pawl pivotally connected to the arm on one side of the fulcrum, a second ratchet wheel engaging pawl pivotally connected to the arm on the other side of the fulcrum, a nut having laterally extending lugs, the opposite end of the arm to the end upon which the pawls are mounted being bifurcated and its legs provided with longitudinally extending slots receiving the lugs of the nut, a vertically journalled



spindle threaded through the nut, means for rotating the spindle, and means for preventing the partial rotation of the nut in the bifurcated end of the arm.

1,540,014. POWER-TRANSMITTING DEVICE. OLAV ESKIL JÖRGENSEN, New York, N. Y. Filed June 17, 1920. Serial No. 389,575. 5 Claims. (Cl. 123—41.)

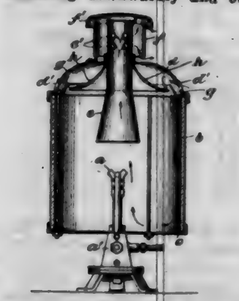


1. In a reversing device for engines, and the like, a cam roller, a shiftable support for said cam roller, a piston, a cylinder in which said piston reciprocates and which contains a liquid below the piston, a second cylinder communicating with the first cylinder and also containing a liquid, connections for supplying a fluid under pressure to either cylinder and opening the other cylinder to exhaust, an operating connection between the piston rod and said shiftable support, and means for normally preventing a flow of the liquid from one cylinder to the other.

1,540,015. GAS-FLAME PROTECTOR FOR FLASHERS. GUSTAV V. KARLSON, Elizabeth, N. J., assignor to Chillingworth Engineering Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1923. Serial No. 623,100. 1 Claim. (Cl. 240—51.)

In a lantern, a gas flame protector for flashers including imperforate bottom and side walls, a top supported above said side walls and extending upwardly and inwardly and having a plurality of openings adjacent the lower edge thereof, a burner disposed centrally of the protector, a duct communicating with the atmosphere, supported centrally of the top over the burner,

an upwardly inclined baffle mounted in juxtaposition to the openings in the top against which all the air entering through the openings impinges and is deflected upwardly against the top, a baffle supported centrally of said top extending downwardly and outwardly to a



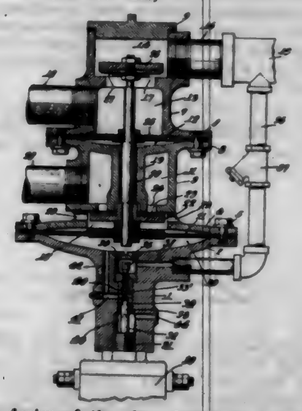
point below the upper edge of said first named baffle against which the air flowing along the top impinges and is deflected downwardly along the side walls, and an annular guide and cap enclosing the openings of the duct.

1,540,016. MOUNTING OF STORE WINDOWS. MARTIN KATZ, Brooklyn, N. Y. Filed Mar. 17, 1924. Serial No. 699,876. 10 Claims. (Cl. 20—56.4.)



1. In a window, a sill, a glass pane supported thereby, said pane being arranged to leave passages extending transversely thereunder, inner and outer retaining strips on said sill engaging opposite faces of said pane, the inner retaining strips being formed with a number of vertical recesses on the side thereof adjacent the pane, and the outer strips being formed with a number of transversely extending recesses on its under side.

1,540,017. DIAPHRAGM RESERVOIR AND BRAKE VALVE. ALLEN B. KENDALL, Maywood, Ill., assignor to Regan Safety Devices Company, Inc., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 443,046. 13 Claims. (Cl. 303—20.)



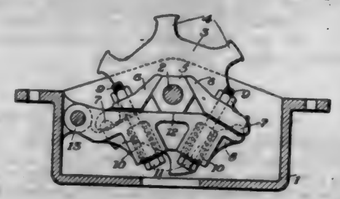
1. In a device of the class described, a main casing having a plurality of superposed inter-communicating chambers, a diaphragm controlled valve stem mounted concentrically of all the chambers, two valves carried by said stem and forming a controlling means between certain of said chambers, one of said valves being normally open and the other normally closed, a diaphragm mounted upon the lower end of the stem and secured to the casing, and an electromagnetically controlled valve for effecting the introduction or escape of air relative to the diaphragm and for consequently effecting the movement of the valves.

1,540,018. PENCIL. CHARLES R. KERRAN and JOHN P. LYNN, Chicago, Ill., assignors to Realite Pencil Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 31, 1922. Serial No. 548,273. 3 Claims. (Cl. 120—18.)



1. In a pencil, a body having a tip, the tip and body having telescoping portions and being adapted for relative rotation, a threaded axial tube fixed to the tip, a second axial tube mounted in the body and being open from end to end thereof, the upper portion of the last named tube being non-circular in cross section, while the lower end is of increased diameter and is adapted to receive in telescoping relation the upper end of the threaded axial tube, and a plunger adapted to engage with said threaded tube and having a lateral projection adapted to engage with the non-circular portion of said tube, the enlarged lower end portion of said tube being of such diameter as to permit the projection on the plunger to rotate therein.

1,540,019. AXLE COUNTER FOR MINING AND OTHER VEHICLES. ARTHUR G. KERSHAW and FREDERICK J. RAYMER, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Feb. 16, 1924. Serial No. 693,401. 1 Claim. (Cl. 235—91.)



An axle counter comprising a rotatable wheel provided with a polygonal element secured thereto for accurately defining the angular position of the wheel at each stage of its rotational movement, a bracket pivotally mounted

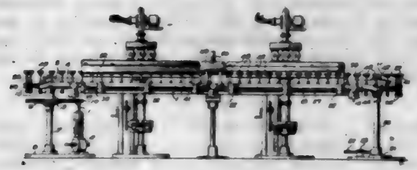
on the frame of the device and having a portion arranged to engage said polygonal element, and a pair of fingers resiliently mounted on said bracket and arranged to resiliently engage said polygonal element.

1,540,020. SOCK OR HALF HOSE. HARRY LOVELAND KINNE, Oak Park, Ill. Filed Oct. 6, 1924. Serial No. 741,959. 1 Claim. (Cl. 2—240.)



A sock comprising solely a foot, and an elastic self-retaining cuff located immediately above said foot, the cuff being knitted and provided with longitudinally extending stiffening ribs throughout its length, and also provided with spaced, circularly arranged knitted ribs at different heights defining folding regions for the plurality of overlying sections which compose the cuff.

1,540,021. CONVEYER. ALBERT BREAKENRIDGE KNIGHT, Fairmont, W. Va. Filed Dec. 13, 1923. Serial No. 680,517. 8 Claims. (Cl. 198—181.)

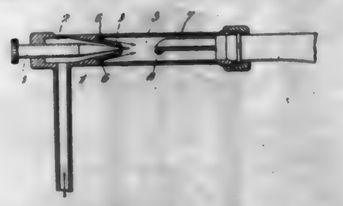


1. In an apparatus for conveying glassware, a chain, means for driving said chain, glass supporting spindles carried by said chain, pinions carried by said spindles, and a stationary rack arranged adjacent and extending throughout a portion of one side of said chain and adapted to mesh with said pinions, one end of said rack being provided with a yielding portion.

1,540,022. ANNEALING PROCESS. IRVIN J. KOEHNLINE, Bridgeport, Ohio. Filed Apr. 24, 1924. Serial No. 708,805. 4 Claims. (Cl. 148—4.)

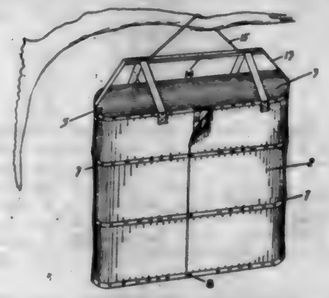
2. The process of annealing mild steel sheets after pickling the same, which consists in forming piles of said sheets subjecting said piled sheets to a temperature sufficient to drive off all water present but insufficient to decompose said water when in contact with iron; and subjecting the water free piled sheets thus obtained to an annealing treatment.

1,540,023. AIR-OPERATED SOUNDING HORN. THEODOR KOLLINEK, Berlin, Germany, assignor to Handelmaatschappij H. Albert De Bary & Co., Amsterdam, Netherlands. Filed Mar. 11, 1925. Serial No. 14,610. 1 Claim. (Cl. 116—187.)



In a horn of the kind set forth, a high pressure air feed pipe, a tongue chamber, an adjustable valve adapted to control the delivery of air from said pipe into said chamber at a high speed but in a thin jet, said chamber having perforations to admit atmospheric air to said chamber to provide a sufficiently large current of partially expanded air past the tongue in said chamber, said perforations being also adapted to serve as relief outlets in case of excessive pressure occurring in said chamber.

1,540,024. COLLAPSIBLE CABINET. MADS M. LARSEN, Colton, Calif. Filed Sept. 22, 1922. Serial No. 589,824. 1 Claim. (Cl. 45—102.)



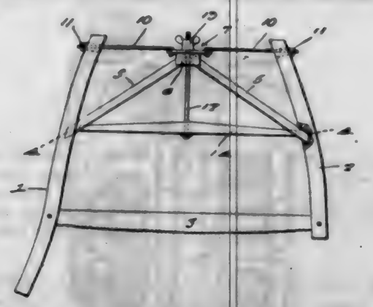
A collapsible cooling cabinet, comprising a plurality of superposed shelves, a fabric wall secured to the edges of such shelves, suspending loops having their ends secured to the fabric wall and to the uppermost shelf and extending transversely there across, a top bar secured to the centers of said loops, fabric members secured to the ends of said top bar and to the ends of the uppermost shelf, and a rope hanger secured adjacent the ends of said top bar.

1,540,025. CHRISTMAS-TREE HOLDER. SIMEON J. LEMAY, Lowell, Mass. Filed Apr. 2, 1924. Serial No. 703,809. 2 Claims. (Cl. 248—38.)



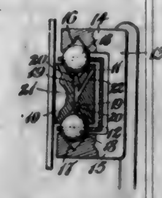
2. A Christmas tree stand comprising a head; three legs pivoted thereto on vertical pivots and extending diagonally downward; hooks pivoted medially and detachably connecting adjoining legs; and brace rods each so pivoted to a leg and of such length as to extend above and beyond the head and terminating in a bent pointed prong.

1,540,026. BUCKSAW FRAME. ALBERT LEWIS, Boothbay Harbor, Me. Filed Mar. 3, 1925. Serial No. 12,880. 4 Claims. (Cl. 145—32.)



1. In a saw structure, a pair of end bars, a saw blade connected at its ends to the lower portions of the end bars, a pair of bolts having their outer threaded ends connected with the upper portions of said end bars, means connecting the inner ends of said bolts together, fulcrums for the intermediate portions of said end bars, the upper ends of said fulcrums being in association with said connecting means, and additional means acting on the first named means for moving the latter downwardly to rock said end bars about said fulcrums and to move the upper ends of said end bars toward each other.

1,540,027. DOOR HANGER. ULYSSES GRANT MCQUEEN, New York, N. Y. Filed Apr. 19, 1923. Serial No. 633,197. 4 Claims. (Cl. 16—88.)



1. A structure of the class described comprising a plurality of relatively sliding members, anti-friction bodies interposed between said members, and a wick of absorbent material extending lengthwise of the members and positioned with respect to said bodies so that the latter are in constant free rolling contact therewith, and means for supplying the wick with a lubricant.

1,540,028. TOBACCO PIPE. RINSAI MARDA, Seattle, Wash. Filed Apr. 7, 1923. Serial No. 630,566. 1 Claim. (Cl. 131—12.)



An attachment for tobacco pipes comprising a disk radially indented to constitute prongs and a strap centrally pivoted to and at the center of the disk, said disk, prongs and strap being constructed of flexible material, whereby said disk and prongs may be flexed and forced downwardly into the bowl of the pipe to constitute a dished grate with the prongs extending upwardly and said strap will be flexed to closely engage said flexed disk and prongs and the bowl of the pipe above the same.

1,540,029. CLOSURE FASTENER. ALFRED MARKS, Brooklyn, N. Y. Filed June 11, 1924. Serial No. 719,380. 1 Claim. (Cl. 292—73.)



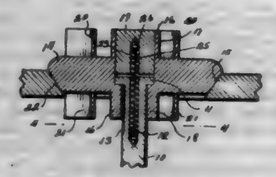
In combination, a movable member, a stationary member, both of said members provided with openings registrable with each other, a sphere in one of the said openings for engaging the other opening so as to hold the movable member locked in relation to the stationary member, a pair of bolts on the member having the sphere in its opening, one on each side of the opening, and a flat spring held by one of said bolts and slidable on the other of said bolts and provided intermediate its ends with a pocket for receiving the sphere.

1,540,030. SAFETY HOOK. ROBERT MESTARS, Los Angeles, Calif., assignor of one-half to Carrie Contreras, Los Angeles, Calif. Filed Sept. 1, 1922, Serial No. 585,640. Renewed Apr. 13, 1925. 5 Claims. (Cl. 24—242.)



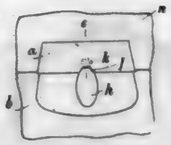
1. A snap hook comprising a body having hooks formed thereon, and a lever pivotally associated with the body and having hooks formed thereon, the arrangement of the hooks of the body and lever being such that an element can be applied to engage certain of the hooks by moving the element transversely of the body, while another element can be applied to engage the remaining hooks by moving the element longitudinally of the body.

1,540,031. SELF-SEATING VALVE FOR INTERNAL-COMBUSTION ENGINES. HERMAN E. NEITZ, Chicago, Ill. Filed Aug. 2, 1924. Serial No. 729,747. 8 Claims. (Cl. 251—129.)



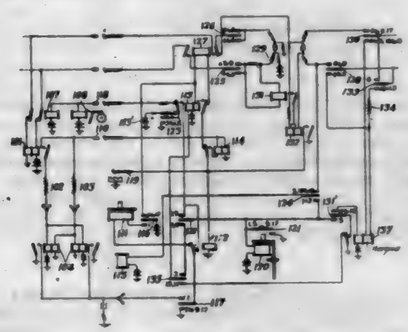
3. A valve of the character described comprising a stem and a head mounted thereon for rotation, the head having vanes whereby the passage of fluid past the head will cause a rotation of the head, the head and stem being formed with opposed bores, a compression spring disposed in said bores, and pointed heads bearing against the ends of the bores and against which the compression spring bears.

1,540,032. CATCH FOR THE FLAPS OF PURSES AND BAGS. SIMON ORTWEILER, London, England. Filed Apr. 18, 1923. Serial No. 632,838. 2 Claims. (Cl. 292—175.)



2. A catch for the flap of a purse or bag comprising a lower part attached to the body of the purse or bag, an upper part attached to the edge of the flap, a grooved stud attached to the said upper part and projecting from it at right angles and passing into the lower part, a spring pressed bolt adapted to slide in or on the lower part at right angles to the edge of the flap to engage with the groove in the stud, a thumb-piece attached to the bolt by means of which the bolt can be actuated, and an extension of the thumb piece adapted to retain the upper part referred to above by engaging with its upper surface, the said projection being of such a length that it acts as a guide to locate the pin attached to the upper part in the hole in the lower part.

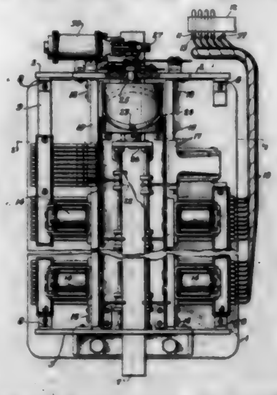
1,540,033. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 18, 1918. Serial No. 258,682. 7 Claims. (Cl. 179—27.)



1. A telephone exchange system comprising a main exchange and satellite exchanges, calling lines terminating at said exchanges, an operator's position in said main exchange, trunk lines between said main exchange and said satellite exchanges, automatic means at said satellite exchanges for extending a calling line over one of said trunk lines from one of said satellite exchanges to said operator's position in said main exchange, controlling means at said operator's position, and means responsive to the operation of said controlling means for holding an automatic switch in a satellite exchange in the connection as established while the calling line is rendered free to call and to be called.

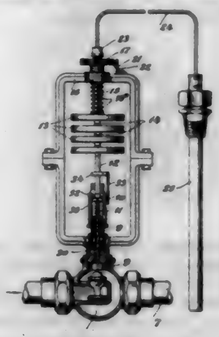
1,540,034. TELEPHONE-EXCHANGE LINE SWITCH. CHARLES DONAT RICHARD, New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1920. Serial No. 407,959. 9 Claims. (Cl. 179—225.)

1. In a switching mechanism, a contact operating mechanism and a terminal bank, comprising two groups of multiple contact strips, each group comprising two strips, each strip comprising a plurality of sets of contacts, the two strips in each group occupying an



identical angular position and the two groups arranged in parallel relation on opposite sides of said operating mechanism.

1,540,035. AUTOMATIC REGULATOR. ALFRED ROESCH, deceased, late of Brooklyn, N. Y., by Emma Roesch, administratrix, Brooklyn, N. Y., assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 9, 1921. Serial No. 491,048. 9 Claims. (Cl. 236—99.)



1. An automatic regulator comprising a valve controlling the flow of an element, adjusting mechanism operated independently of said valve for adjusting the same to variable set positions to regulate the flow of said element in accordance with a predetermined regulation to be maintained, an expansible and contractible device included in said adjusting mechanism and having an inherent elasticity, said device responding to variations in said element and actuating said adjusting mechanism accordingly whereby the valve is automatically shifted from any given set position in accordance to increase or decrease the flow of the latter to correct deviations from said predetermined regulation, and means independent of said adjusting mechanism for indicating the position of said valve.

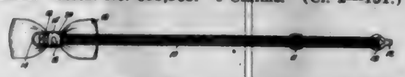
1,540,036. BURNER FOR HAND LANTERNS. GEORGE H. ROLFES, St. Louis, Mo., assignor to Handian-Buck Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 13, 1923. Serial No. 631,806. 6 Claims. (Cl. 67—65.)

1. A lantern burner comprising a body portion, a wick passing through said body portion, a stem for adjusting said wick, said stem being extended through an opening in the wall of said body portion, a member arranged on the inside face of the wall of said body portion and spaced apart in a horizontal direction from



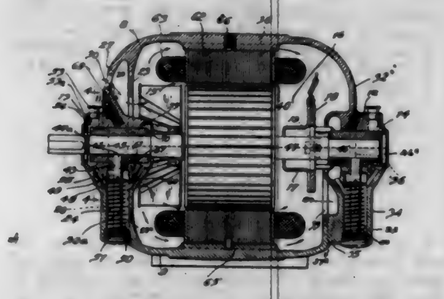
that portion of the wall of said body portion adjacent to said opening, and packing material interposed between said wall of said body portion and said spaced apart member whereby oil is prevented from passing through said opening.

1,540,037. NECKTIE. WILL F. SMITH, Brooklyn, N. Y., assignor to The Governor Fastener Company, New York, N. Y., a Copartnership consisting of Kate Scheinman and Louis J. Scheinman. Filed Feb. 16, 1924. Serial No. 693,165. 4 Claims. (Cl. 2—151.)



1. A neckband for ties comprising a band, a compound fastening device at one end of said band, consisting of a loop and an off-set recessed member, a rivet for connecting said fastening device with said band and a hook slidably mounted upon said band at its other end for detachable connection with said loop.

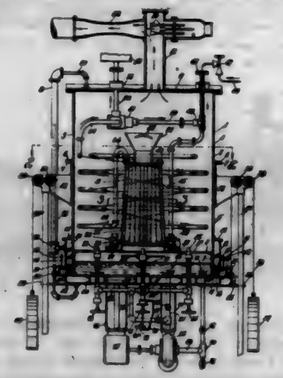
1,540,038. ELECTRIC MOTOR. MILTON H. SPIELMAN, Cleveland, Ohio, assignor to The Domestic Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 18, 1921. Serial No. 485,684. 1 Claim. (Cl. 172—36.)



A motor frame formed of a top member and a base member joined along a horizontal plane through the center of the frame, said members each having longitudinally extending ribs formed along the joining edges thereof and a similarly extending rib formed intermediate the edge ribs and having outer end walls terminating in bearing portions, the upper member having an annular inner wall spaced apart from the bearing structure of the frame and the base member having an annular inner wall at the opposite end of the frame spaced apart from the bearing structure.

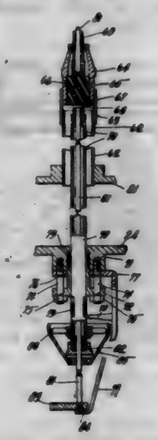
1,540,039. DIRECT-EXPANSION ICE-MAKING MACHINE. WILLIAM STEWART, Portland, Me. Filed Nov. 17, 1921. Serial No. 515,790. 13 Claims. (Cl. 62—152.)

2. In a device of the class described, a casing, a hollow walled cell open at its lower end positioned within said casing, means for spraying a liquid to be congealed upwardly into the open end of said cell, means for circulating a refrigerant through the walls of said cell, and means within said casing and external



to said cell and through which said refrigerant passes for condensing vapors arising from said sprayed liquid to reduce the pressure within said casing.

1,540,040. SPRAY NOZZLE FOR REFRIGERATION MACHINES. WILLIAM STEWART, Portland, Me. Original application filed May 16, 1921, Serial No. 469,903. Divided and this application filed Nov. 27, 1923. Serial No. 677,240. 7 Claims. (Cl. 62—107.)

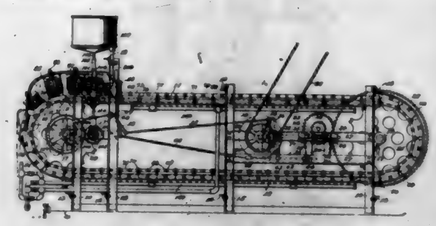


7. A device of the class described comprising a nozzle, a sprayer having flutes inclined to the axis thereof fixed in said nozzle to define inclined fluid passages toward the end of said nozzle, a needle valve adjustable axially of said sprayer and having a conical end cooperating with said end of said nozzle, and a rod axially movable through said valve projectable and retractable beyond the conical end thereof.

1,540,041. MACHINE FOR BAKING SUGAR CONES. HARRY G. TATOSIAN, Bridgeport, Conn., assignor, by mesne assignments, to Ice Cream Cone Machinery, Inc., Bridgeport, Conn., a Corporation of Connecticut. Filed May 29, 1923. Serial No. 642,201. 12 Claims. (Cl. 107—58.)

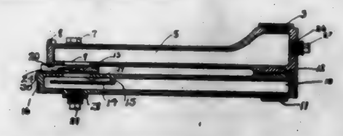
1. In a machine of the character described, a continuous conveyor comprising parallel spaced shafts and links connecting the ends of said shafts, book-molds sup-

ported in the space between each pair of shafts and the connecting end links, heating means for heating said molds, cam means engaging the forward swinging ends of the upper section of said book-molds for opening and closing said molds at one point in the traverse of the conveyor and means for supplying batter to the molds during said open period.



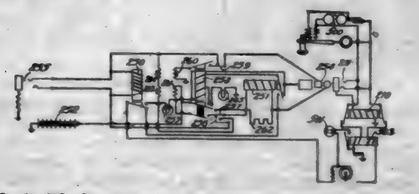
7. In a machine of the character described, a frame, a pair of sprocket wheels at each end of said frame, upper and lower pairs of horizontal tracks extending between said sprockets, and substantially tangential thereto, a continuous conveyor extending over said sprocket wheels and said tracks, a plurality of book-molds independently and removably secured to said conveyor, heating means for heating said molds, means for opening and closing said molds at one point in the traverse of the conveyor, and means for supplying batter to the molds during said open period.

1,540,042. OIL BURNER. EDWARD W. THOMAS, Houston, Tex. Filed Sept. 9, 1922. Serial No. 587,182. 4 Claims. (Cl. 158—78.)



1. An oil burner comprising two separable chambers, an upper oil chamber connected at its rear end to a source of supply of oil and having a downwardly directed discharge opening at the forward end, a lower chamber connected with a source of steam and having an upwardly directed opening at its forward end, a removable spray plate between said openings, there being an oil conducting passage the lower side of which terminates in a spray lip on the upper side of said plate, and a constricted passage below said lip for the steam, said burner having a fan-shaped flattened orifice at the mouth of the burner for the discharge of the spray.

1,540,043. TELEPHONE SYSTEM. HUBERT S. TURNER, Brooklyn, N. Y. Original application filed Feb. 27, 1915, Serial No. 11,046. Divided and this application filed Feb. 6, 1923. Serial No. 617,239. 5 Claims. (Cl. 179—47.)



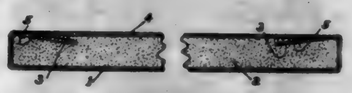
3. A telephone exchange system including telephone lines extending from substations having calling signal apparatus to an exchange, an answering switchboard and a trunking switchboard, means for connecting said switchboards comprising a cord circuit at said answering switchboard, a source of signaling current associated with said cord circuit at said answering switchboard, a trunk circuit at said trunking switchboard to connect to a called substation, means to impress signaling current from said source over said cord circuit and trunk circuit upon the line of said substation to actuate said calling signal apparatus, and means under control of apparatus at a calling substation connected to said cord circuit at said answering switchboard to discontinue said impression of signaling current from the cord circuit but maintaining the trunk circuit portion of the ringing current path complete.

1,540,044. WHEEL TIRE. MAX C. UEKMAN, St. Louis, Mo. Filed June 18, 1923. Serial No. 646,012. 2 Claims. (Cl. 152—8.)



2. The combination with a wheel, of a hollow split tire body mounted on the wheel, a spring tube composed of coiled wire within and holding the tire body expanded, a plate within the spring tube overlapping adjacent coils thereof, and a clamping wire passing through the spring tube and through said plate and being clamped against said tube.

1,540,045. BOUND-EDGE PLASTER WALL BOARD. CLARENCE W. UTZMAN, Chicago, Ill., assignor to United States Gypsum Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 14, 1923. Serial No. 624,931. 4 Claims. (Cl. 154—45.9.)



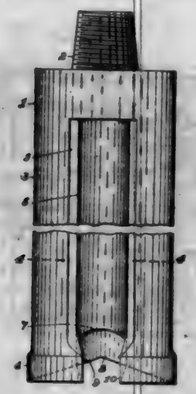
1. A plaster wallboard having a composition body with fibrous cover sheets thereon, one of said cover sheets enveloping the edges thereof and engaging the other, the margins of one of the sheets formed to provide means to bring the exterior surfaces thereof into the plane of the corners of the edges of the board on that side.

1,540,046. RUG AND STRAND THEREFOR. OSSIAN T. WAITE, Oshkosh, Wis., assignor to Waite Grass Carpet Company, Oshkosh, Wis., a Corporation of Wisconsin. Filed May 31, 1923. Serial No. 642,420. 3 Claims. (Cl. 117—52.)



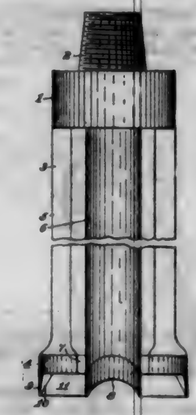
1. A strand for use in rug making, comprising a core consisting of a bundle of relatively stiff fibrous material in overlapping relation, a sheath of closely woven fabric, and a binding cord wrapped around the sheath to hold the same firmly around the core, substantially as described.

1,540,047. DRILL BIT. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed June 19, 1924. Serial No. 720,976. 2 Claims. (Cl. 255—63.)



1. A drill-bit having a longitudinally grooved body and a crushing reaming head of larger diameter, the crushing face of said head being upwardly hollowed and having a cross groove uniting the lower ends of the other grooves at a diametrical ridge.

1,540,048. DRILL BIT. GEORGE R. WATSON, Waterloo, Iowa, assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Filed June 19, 1924. Serial No. 720,977. 3 Claims. (Cl. 255—63.)

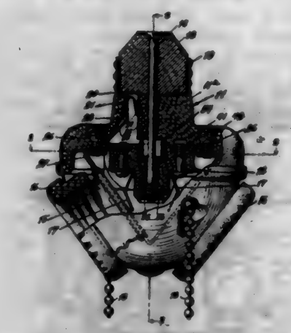


1. A drill-bit having a flat crushing face interrupted by a transverse hollow whose middle shapes and limits a diametrical upwardly arcuate cutting ridge, said bit having depending cutters extending toward said arcuate ridge and diminishing in width from their outer ends inwardly.

1,540,049. PLASTIC COMPOSITION. ROBERT R. WILLIAMS, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1921. Serial No. 481,640. 15 Claims. (Cl. 106—13.)

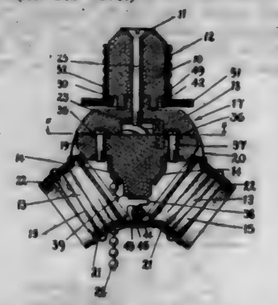
1. Rubber composition containing a rubber matrix and a filler which has been treated with gas soluble in the matrix.

1,540,050. ELECTRICAL RECEPTACLE. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 10, 1919. Serial No. 343,757. 5 Claims. (Cl. 173—336.)



1. A plug switch receptacle comprising plug contacts and receptacle contacts, said receptacle contacts comprising shell and center contacts, an insulating base on which the plug contacts are mounted, a second integral insulating base on which the shell contacts are mounted and a third integral insulating base on which the center contacts are mounted, means for mechanically connecting said bases with respect to each other, and means mounted on said third insulating base for controlling the electrical connection between said contacts.

1,540,051. PLUG CLUSTER. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 6, 1920. Serial No. 356,672. 6 Claims. (Cl. 173—336.)

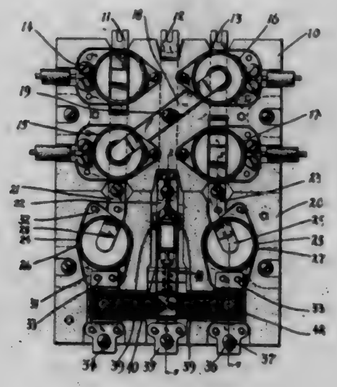


1. A pull switch plug cluster comprising a plug portion and a receptacle portion, said plug portion comprising an insulating base and shell and center contacts supported thereby, said receptacle portion comprising a two part insulating base supported from the plug base, said parts being substantially circular and coaxial with said plug portion, and materially larger in diameter than said plug portion, and having a chamber therebetween; shell and center receptacle contacts supported by the lower base part and switch mechanism housed in said chamber between said upper and lower base parts.

1,540,052. PANEL BOARD. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 14, 1920. Serial No. 388,829. 16 Claims. (Cl. 175—369.)

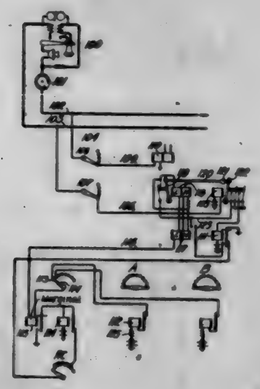
5. In a panel board, an interchangeable switching unit comprising a base, conducting members mounted at the

ends thereof and embodying means whereby said unit may be connected to another unit, receptacles on said base, some of said conducting members being formed integral with the receptacle center contacts, downwardly bent conducting portions associated with the receptacle



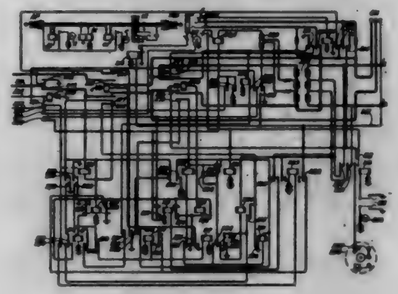
shell contacts, and a switching element comprising a plurality of U-shaped blades adapted to connect the shell-contact conducting members with still other conducting members, the conducting members so connected being formed with downwardly extending portions to closely engage said U-shaped switch blades.

1,540,053. IMPULSE-RECEIVING CIRCUIT. PERRY H. BURTON, Floral Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 26, 1923. Serial No. 634,706. 17 Claims. (Cl. 179—18.)



1. The combination with a line of a relay controllable over said line, contacts controlled by said relay, an auxiliary relay, means to energize said auxiliary relay while said first relay is operated, and means under the control of said auxiliary relay for assisting in the opening of said contacts on the release of said first relay.

1,540,054. TELEPHONE-EXCHANGE SYSTEM. WARREN W. CARPENTER, Queens, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 21, 1923. Serial No. 663,962. 10 Claims. (Cl. 174—27.)



1. In a telephone exchange system, a trunk line, an operator's position at each end of said trunk line, a cord circuit at each of said operators' positions connected to the trunk line, a signal for each of said cord circuits, a bridge at each end of said trunk line for controlling its associated signal, means including electrical current for controlling said bridge, and means controlled by the operator originating the connection for causing the application of the current to be shifted from one end of the trunk to the other.

1,540,055. NUT AND BOLT STRUCTURE. HENRY J. CHILTON, Chicago, Ill. Filed Sept. 5, 1922. Serial No. 586,087. 6 Claims. (Cl. 151—5.)



1. The combination with a bolt formed with a transverse hole, of a polygonal nut formed with radial slots in one face thereof intersecting the corners of the periphery, and a cotter-pin engaged with said slots and hole, said slots being of a depth such that a radial cross-section through the unslotted portion of a corner of the nut is substantially equal in area to a radial cross-section through the wall of the nut between the bore and a point in the periphery midway between adjacent corners.

1,540,056. PROPULSION OF SHIPS AND LIKE VESSELS. HENRY CLAY, London, England. Filed Apr. 12, 1921. Serial No. 460,617. 2 Claims. (Cl. 114—67.)

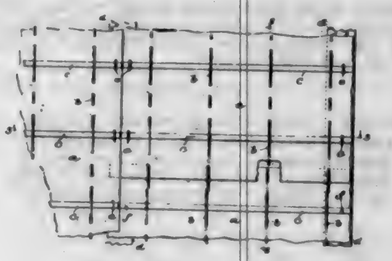
1. In the propulsion of a vessel, the combination with an air chamber located beneath the bottom of the vessel, of a power-driven device for propelling the vessel, a hollow casing separate from but attached to the extreme bow end of the vessel having an upper portion above the water line and a lower portion extending beneath the

vessel, an air inlet in the upper portion and an outlet in the said lower portion directed towards the stern and issuing into the water a suitable distance in front of



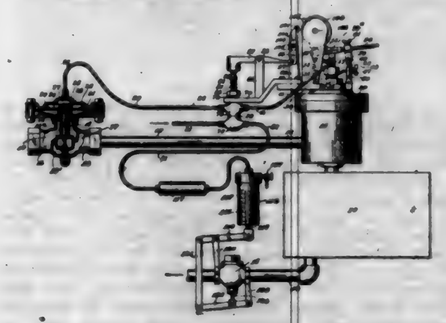
the said air chamber, and means for varying the position of the outlet opening relatively to the bottom of the vessel.

1,540,057. REENFORCED BUILDING FABRIC. EDWIN D. CODDINGTON, North Milwaukee, Wis. Filed Feb. 20, 1922. Serial No. 537,717. 9 Claims. (Cl. 72—116.)



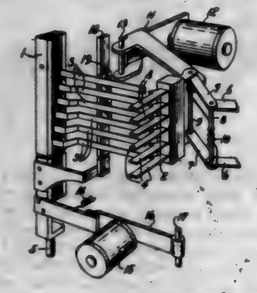
1. A reenforced building fabric comprising a flexible sheet of fibrous material, reenforcing wires woven at intervals through the sheet, and auxiliary stiffening strips of greater cross section than the wires inserted between the wires and sheet.

1,540,058. AUTOMATIC THERMOSTATIC AND TIME CONTROLLED DEVICE. GEORGE W. COLLEN, Bridgeport, Conn. Filed July 15, 1922. Serial No. 575,395. 13 Claims. (Cl. 236—46.)



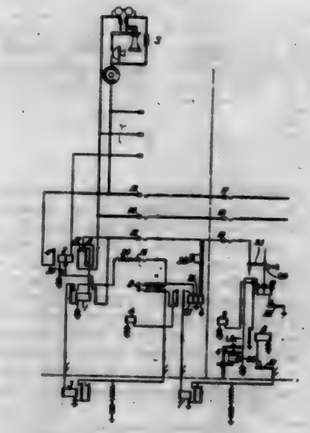
1. In a control device, the combination with a heating chamber and a supply pipe, of an inlet valve therefor having a fluid-pressure actuated diaphragm, a fluid-pressure conduit between said heating chamber and said diaphragm, of a thermostatically operated control valve for said fluid-pressure conduit in proximity to the heating chamber, a thermostat within the heating chamber for directly operating the valve by the rise and fall of temperature in the heating chamber, and automatic regulating means for determining the temperature at which said control valve will operate.

1,540,059. SELECTIVE SWITCH. ROY D. CONWAY, Bernardsville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Original application filed Dec. 5, 1921, Serial No. 519,864. Divided and this application filed Oct. 16, 1923. Serial No. 668,732. 7 Claims. (Cl. 174—27.5.)



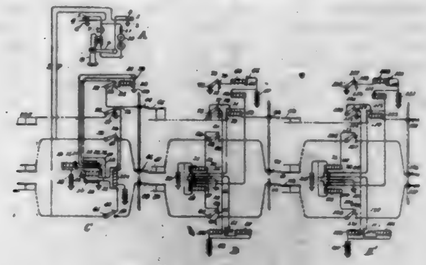
1. A cross-bar switch comprising a bar carrying contact means and bridging means carried by said bar for electrically connecting certain of said contact means together in one position of said contact means and breaking said connections in another position of said contact means.

1,540,060. TELEPHONE-CALL DISTRIBUTION SYSTEM. GERALD DEAKIN, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 29, 1922. Serial No. 603,923. 9 Claims. (Cl. 179—27.)



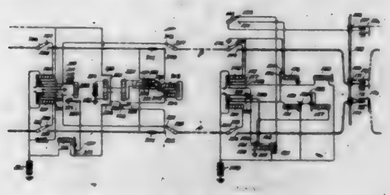
1. In a telephone system, a telephone line, a line finder switch for extending said line, a relay associated with said line finder switch arranged to respond to a test indicating the arrival of said line finder on the terminals of said line, and means under the direct control of said relay for thereupon stopping the movement of said line finder and for thereafter marking said line as busy.

1,540,061. TELEPHONE SYSTEM. ALFRED H. DYSON, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed Mar. 13, 1905. Serial No. 249,804. 187 Claims. (Cl. 179—18.)



1. An automatic telephone system including a plurality of subscribers' lines connecting substations with the central office, an equal plurality of automatic switches, each switch individual to one of said lines, a smaller plurality of selector switches associated with said automatic switches, each of said selector switches being common for connection to and connection from each of said telephone lines, switching mechanism associated with the line of a calling subscriber adapted to perform a preliminary switching operation for causing the automatic switch of said line to bring said line into operative relation with an idle one of said selector switches, and a central source of current and bridges adapted to supply talking current to subscribers' lines therefrom when connected.

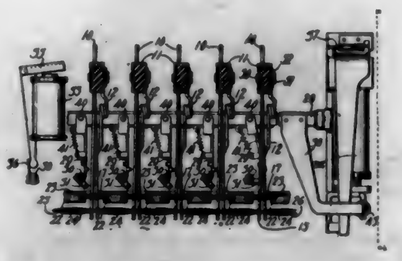
1,540,062. TELEPHONE SYSTEM. ALFRED H. DYSON, Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company, a Corporation of Illinois. Filed July 20, 1905. Serial No. 270,492. 111 Claims. (Cl. 179—18.)



1. In a telephone exchange system provided with switches at the exchange adapted to be operated under direction of subscribers to connect their lines for conversation, the combination with calling and called subscribers' lines, of a connector switch for making connection directly with the called subscriber's line, a central source of current, apparatus for establishing a circuit of said source in the line of the calling subscriber to supply talking current thereto, actuated when connection is made with the called subscriber's line and apparatus for reversing the connections of said source to the calling subscriber's line, operated upon the response of the called subscriber.

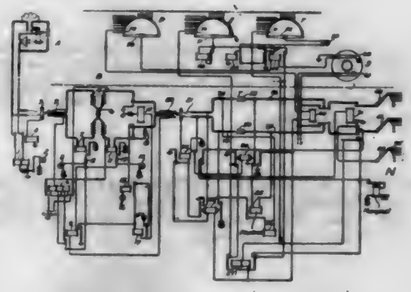
1,540,063. SWITCHING MECHANISM. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 28, 1922. Serial No. 609,378. 4 Claims. (Cl. 179—225.)

4. In a switching mechanism, the combination with cooperating operating members of a cam associated with one of said members, an extending finger member associated with the other of said members and cooperating with said cam, a spring arranged to hold said finger member in engagement with said cam with slight pressure, the pressure increasing negligibly with any slight



tension of the spring caused by the camming action of said cam, an active contact, and a spring wire for operating said contact, said wire being adapted to be engaged by the said finger member.

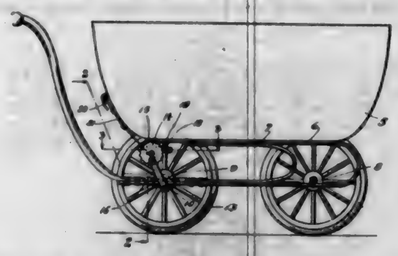
1,540,064. TELEPHONE-EXCHANGE SYSTEM. CLARENCE B. FOWLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 16, 1920. Serial No. 410,592. 15 Claims. (Cl. 179—27.)



1. In a telephone exchange system, a calling line, a cord circuit, an operator's telephone set, means for automatically connecting said set with said cord circuit when said cord circuit is connected to said calling line, a plurality of trunk circuits, a non-numerical switch for each of said trunk circuits, numerical switches accessible to each of said non-numerical switches, an impulse sender normally in inoperative relationship with said trunk circuits, and means responsive to the connection of said cord circuit with one of said trunk circuits for disconnecting said operator's telephone set from said cord circuit, placing said impulse sender in operative relationship with the engaged trunk circuit and for operating said non-numerical switch to extend the calling line to an idle numerical switch.

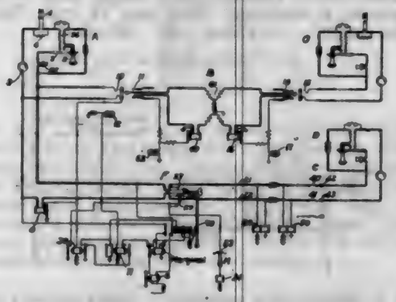
1,540,065. BABY CARRIAGE. LEWIS FRITZ, Chicago, Ill. Filed Aug. 28, 1922. Serial No. 584,814. 3 Claims. (Cl. 280—31.)

1. In a carriage of the class described including in combination with a body, a running gear for the body, the same including an axle having a crank, a gear wheel on the body, means for driving said gear wheel from said crank, a spring-urged dog normally out of engage-



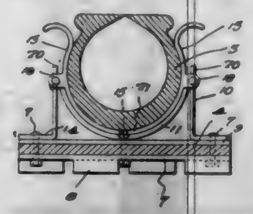
ment with said wheel, and means supported on the body and connected with the dog for moving the latter into engagement with said wheel.

1,540,066. TELEPHONE-EXCHANGE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 25, 1920. Serial No. 419,214. 11 Claims. (Cl. 179—27.)



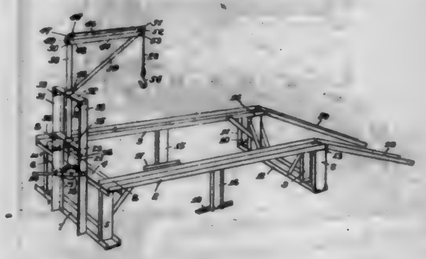
1. In a telephone exchange system, a subscriber's station, a key and a resistance thereat, a pair of line conductors extending from said station to an exchange, a line jack and a line signal for said station at said exchange, a line switch for said station at said exchange, and means at said exchange controlled by said key and resistance over the pair of line conductors in series for selectively operating said line signal or said line switch.

1,540,067. TRACTION-BELT ATTACHMENT FOR AUTOMOBILES. ROY H. GRIMORD and EDGAR H. GRIMORE, Homestead, Wis. Filed Apr. 14, 1924. Serial No. 706,495. 2 Claims. (Cl. 305—10.)



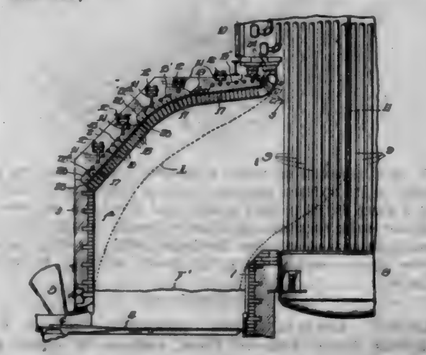
2. A traction belt attachment for automobiles including an endless belt adapted to be positioned over the front and rear wheels of the vehicle for travel therebetween, a plurality of bracket members mounted in spaced relation on the inside of said belt, cooperating resilient gripping members carried by said bracket members for gripping engagement with the wheels of the automobile to mount the belt thereon and transmit the traction of the drive wheels of the automobile thereto, a plurality of cleats mounted in spaced relation on the outer surface of the belt, and securing means adapted to secure the respective cleats and brackets to the belt.

1,540,068. AUTO TABLE AND CRANE. KELLY B. HARVEY, New York, N. Y. Filed Oct. 31, 1922. Serial No. 598,101. 1 Claim. (Cl. 212—61.)



A crane composed of two upright angle bars, a cross plate at the top of the bars provided with a journal portion, a cross plate connecting the angle bars below said plate and having a socket portion, an upright tubular mast mounted to turn in said socket and in said journal, a bracket having a collar surrounding said mast on top of said upper cross plate, a tubular extension on said bracket inserted in the boom, a tubular boom engaging said bracket extension, a sheave bracket on the upper end of the boom inserted in the tubular boom, a sheave bracket at the upper end of the mast, a pair of bars connecting the upper end of the mast with the outer sheave end of the boom, a cross bar connecting said angle bars and a winch on said cross bar arranged to operate its cable passing up through the said mast and over the said two sheaves on the said mast and boom.

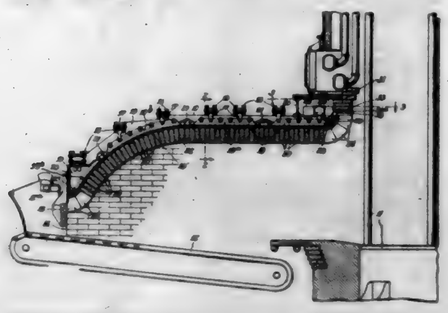
1,540,069. FURNACE CONSTRUCTION. LOUIS H. HOARBIN, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 5, 1922. Serial No. 527,248. 17 Claims. (Cl. 110—99.)



1. In a furnace construction including front and side walls, an arch comprising the combination of a series of rear arch bars extending longitudinally of the furnace and suspended in sloping position with their lower extremities in association with the front wall, a series of rear arch bars extending longitudinally of the furnace and suspended at the rear portion thereof at an

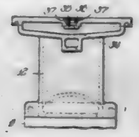
angle to the front arch bars, a series of vertically curved arch bars disposed intermediate said front and rear series, and tile suspended on the several arch bars, said tile cooperating to form the top wall of the furnace in a contour arching upwardly from front to rear thereof.

1,540,070. FURNACE-ARCH CONSTRUCTION. LOUIS H. HOSBEIN, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed July 12, 1923. Serial No. 650,991. 12 Claims. (Cl. 110—99.)



1. In furnace arch construction, the combination of tile supporting members, tile suspended thereon to form a flat arch portion, hangers supported adjacent a wall of the furnace, wedge-shaped tile suspended thereon to form a depending convex arch portion adjacent the fuel inlet, curved supporting members, and tile supported thereon in association to form a concave arch portion having its inner surface merging with and forming a continuation of the inner surfaces of the convex and flat arch portions.

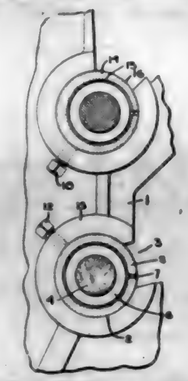
1,540,071. STEAMING ATTACHMENT FOR PRESSING MACHINES. HANS C. HOTING, Neuss, Germany, assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill., a Corporation of New York. Original application filed Nov. 4, 1918, Serial No. 261,118. Renewed Oct. 31, 1921, Serial No. 511,843. Patent No. 1,416,829, dated May 23, 1922. Divided and this application filed Jan. 14, 1922. Serial No. 529,111. 6 Claims. (Cl. 68—9.)



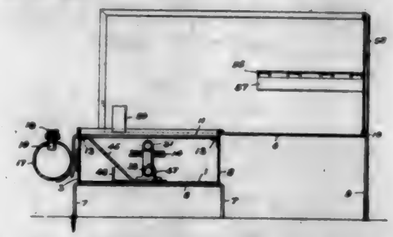
1. In a pressing machine, a pressing member having a groove in its surface forming a steam receiving channel, and a plate fitted in said groove and providing an outer wall for said channel; said plate having outwardly extending transverse grooves developing with the side walls of the groove escape ports for steam delivered to said channel.

1,540,072. SELF-ALIGNING BEARING. IRVING C. HOWES, North Andover, Mass., assignor to Davis & Furber Machine Company, North Andover, Mass., a Corporation of Massachusetts. Filed Aug. 21, 1924. Serial No. 733,259. 4 Claims. (Cl. 308—72.)

1. A self-aligning shaft bearing comprising a frame and a cylindrical seat, a longitudinally split sleeve fitting the bearing seat and having a concave, spherical, zonal socket section in its interior surface, and a bearing sleeve having its bore fitting the shaft and having a convex, spherical, zonal ball section on its exterior surface fitting the socket section, whereby when the bearing sleeve and the split sleeve are fitted together, they may be slipped endwise into the cylindrical bearing seat.



1,504,073. PORTABLE STOVE. RENE T. HUGO and FRED G. KLINERT, Duluth, Minn., assignors to Hugo Manufacturing Company, West Duluth, Minn., a Corporation of Minnesota. Filed June 11, 1923. Serial No. 644,537. 11 Claims. (Cl. 126—38.)



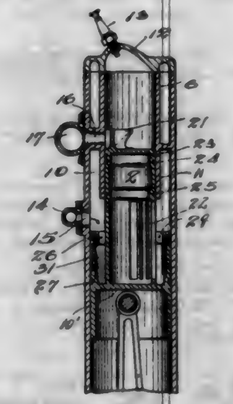
1. A portable stove comprising a casing having a bottom, side and end walls and a lid; a burner, vapor generator and fuel tank rigidly inter-connected to form a unitary structure movable as a unit from a position in which it lies wholly within the casing to a position in which the burner and vapor generator lie wholly within and below the plane of the upper edges of said casing walls and the fuel tank lies outside of the casing, the casing being provided with means for securely holding said unitary structure in its said alternate positions.

1,540,074. KNIFE HANDLE. WILLIAM H. HURLEY, New Haven, Conn., assignor of one-half to James M. Keane, New Haven, Conn. Filed June 28, 1922, Serial No. 571,564. Renewed Mar. 31, 1925. 3 Claims. (Cl. 30—9.)



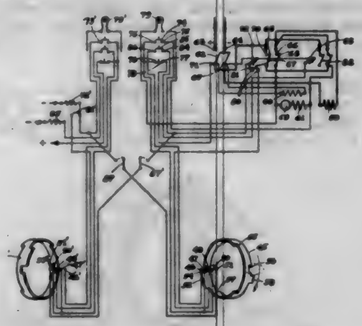
1. A knife of the character described, comprising a blade having a shouldered tang, a metal tube into one end of which the tang is forcibly seated against said shoulders, a non-metallic tube located within the metallic tube, molten metal injected into both tubes, and said tubes and contents subjected to pressure suitable to form a closed handle having a neck bolster and rim.

1,540,075. INTERNAL-COMBUSTION ENGINE. THOMAS A. HUTSELL, Spokane, Wash., assignor to Hutsell Motor Company, Spokane, Wash. Filed Aug. 29, 1923. Serial No. 659,990. 6 Claims. (Cl. 123—59.)



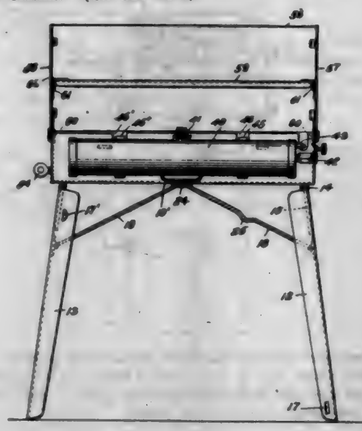
1. The combination in an internal combustion engine with an axially alined pump and working cylinder having intake and exhaust ports, of complementary hollow pump and working pistons therein forming an annular pump chamber, said pump piston having elongated ports communicating with the pump chamber and means carried by the pump piston for admitting a preliminary auxiliary charge of fuel gas to the pump chamber.

1,540,076. CONTROL OF REVERSING APPARATUS FOR HEATING FURNACES. GEORGE H. ISLEY, Worcester, Mass., assignor to Morgan Construction Company, Worcester, Mass., a Corporation of Massachusetts. Filed June 25, 1921. Serial No. 480,431. 13 Claims. (Cl. 277—6.)



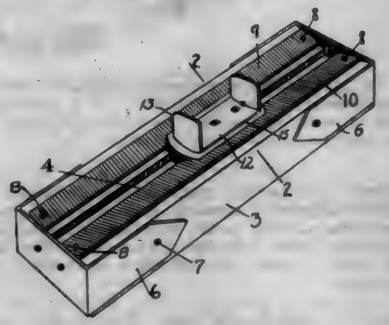
1. The combination with cooperating duplicate reversing devices for a regenerative furnace, of electrical controlling mechanism therefor, operable selectively to procure the reversing movement of said devices in timed relation or to procure the independent movement of either of them.

1,540,077. PORTABLE CAMP STOVE. FRED G. KLINERT, Duluth, Minn., assignor to Hugo Manufacturing Company, West Duluth, Minn., a Corporation of Minnesota. Filed Nov. 25, 1924. Serial No. 752,189. 12 Claims. (Cl. 126—38.)



1. A portable stove comprising a casing having a bottom and side walls, supporting legs pivotally attached to the casing, said legs being angular in cross-section and adapted to embrace the edges of the casing formed by the juncture of the bottom and side walls with the edges lying within the angles of the legs when swung to non-supporting position adjacent the casing, a plurality of said legs being adapted to lie upon each other in superposed nested relation, adjacent legs of the said superposed legs being equipped with interlocking portions for holding the legs in their folded condition.

1,540,078. SHARPENER. WILLIAM R. LONG, St. Louis, Mo. Filed May 28, 1924. Serial No. 715,423. 4 Claims. (Cl. 76—82.)

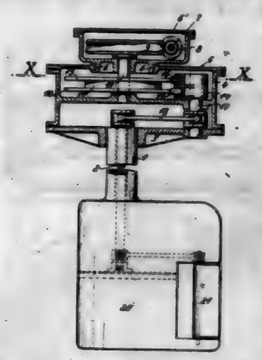


1. A block having a longitudinal channel formed therein and inclined surfaces extending from the longitudinal sides of the block to the channel, metal strips secured to the inclined surfaces of said blocks, said strips corrugated with the corrugations parallel to the ends of the block.

1,540,079. STEERING ARRANGEMENT. EMIL LUCHSINGER, Berlin, Germany, assignor to N. V. Instituut voor Aero- en Hydrodynamiek, Amsterdam, Netherlands, a Dutch Company. Filed Aug. 6, 1923. Serial No. 656,105. 25 Claims. (Cl. 114—167.)

1. In a steering arrangement in combination, a main plane, at least one auxiliary plane adapted to adjust

the latter with the aid of the current, and an intermediary gearing comprising at least two parts, namely a cam race and a sliding contrivance in contact therewith, and adapted to produce the relative movement



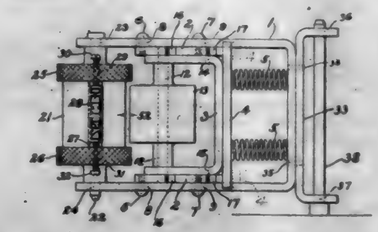
to be executed by the auxiliary plane with reference to the main plane, one of said parts adapted to be adjusted from the steering device and another part to participate in the movement of the main plane.

1,540,080. LINE BAR FOR CROSSBAR LINE SWITCHES. ARTHUR C. MAGRATH, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 16, 1920. Serial No. 417,428. 6 Claims. (Cl. 179—27.5.)



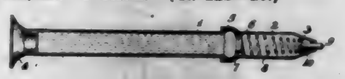
1. In combination, a plurality of parallel metallic strips, supporting elements therefor and a plurality of blocks of insulating material into which said strips and said supporting elements are embedded.

1,540,081. APPARATUS FOR DATING ARTICLES OF MANUFACTURE. JACOB U. MANISCHEWITS, Cincinnati, Ohio, assignor to The B. Manischewitz Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 10, 1922. Serial No. 559,836. 4 Claims. (Cl. 101—85.)



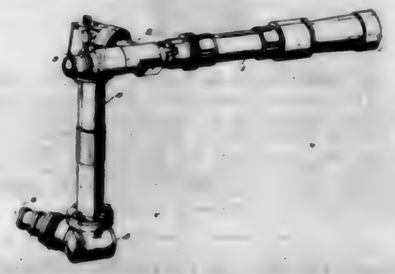
4. In a device of the class described the combination of a pivotally mounted frame comprising a pair of spaced arms and a base connecting said arms at one end, a printing roller removably mounted on the free ends of the arms, a U-shaped ink roller frame removably mounted for reciprocation longitudinally of the arms whereby the ink roller frame may be moved toward and away from the printing roll, a bar slidably mounted between the arms and adapted to abut the ink roller frame, and means retaining the bar in abutment with the ink roller frame for yieldingly positioning said ink roller frame adjacent the printing roll.

1,540,082. PERFUME DISPENSER. JOSEPH M. MERRILL, Montclair, N. J. Filed Aug. 7, 1923. Serial No. 656,219. 1 Claim. (Cl. 221—16.)



A perfume dispenser, comprising a body portion having a bead and a contracted neck, a tapered end portion engaged over and around said bead, a spring engaging said body portion and surrounding said contracted neck and adapted to normally close a valve located in the mouth of the tapered end, and a pin on said valve for opening the valve when the pin is pressed against the surface to be perfumed, substantially as set forth.

1,540,083. CHECKING-EYEPIECE ATTACHMENT FOR GUN-SIGHT TELESCOPES. HENRY A. ORR, U. S. Navy. Filed Jan. 17, 1920. Serial No. 352,210. 1 Claim. (Cl. 88—1.)



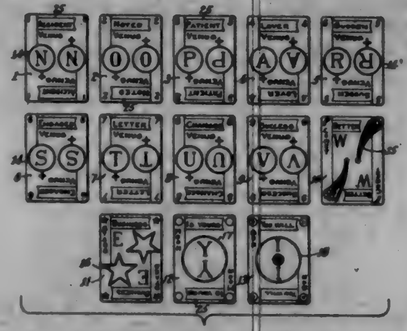
In combination with a main telescope gun sight, a checking eyepiece therefor comprising a portion extending to one side of said gun sight telescope, a second portion extending at right angles downwardly therefrom and a third portion including an eyepiece positioned at right angles to said second portion and extending laterally with respect to the line of sight whereby said checking eyepiece is operable from a point below and at right angles to the main telescope.

1,540,084. HOSE CLAMP. CHARLES A. PARKER, Haugan, Mont., assignor of one-half to William H. Logan, St. Regis, Mont. Filed June 9, 1924. Serial No. 718,777. 4 Claims. (Cl. 24—19.)



1. The combination with a clamp ring having a bearing head, of a clamp plate within the ring and a threaded stud on said plate, a nut in said head for the threaded stud, said nut comprising a threaded bushing having an annular flange within the head, and a head on the bushing at the outer side of the bearing head.

1,540,085. CARD GAME. MARTHA J. PARTRIDGE, Manchester, N. H. Filed Jan. 17, 1925. Serial No. 3,052. 9 Claims. (Cl. 273—152.)



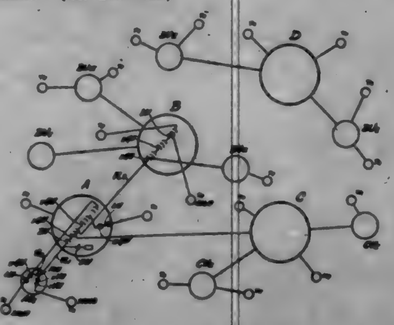
1. A card game comprising a plurality of separate suits of cards, each suit embodying therein a plurality of cards of increasing values, and having a symbol of a solar body thereon, each suit also embodying therein a plurality of cards having symbols of other solar bodies thereon, said last-named symbols being common to each suit.

1,540,086. TRAILER-BRAKE MECHANISM. GEORGE F. PRASE, San Francisco, Calif. Filed Apr. 5, 1921. Serial No. 458,864. 8 Claims. (Cl. 188—3.)



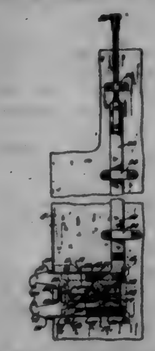
1. The combination with the truck and the trailer, of a draw bar connecting the same, a shaft journalled on the truck, a shaft journalled on the trailer, a bell crank pivotally mounted on the trailer adjacent said shaft, a bell crank pivotally mounted on the truck adjacent its shaft, a crank arm on each shaft, a link connecting each crank arm with the adjacent bell crank, a telescoping shaft, a knuckle joint connecting each end of said shaft with the first name shafts, and means on the truck for imparting a rocking movement to the bell crank on the truck.

1,540,087. TELEPHONE SYSTEM. WALTER PINELL, Berlin-Siemensstadt, Germany, assignor to Siemens & Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Filed Apr. 5, 1922. Serial No. 549,957. 9 Claims. (Cl. 179—18.)



1. In a telephone system, a first exchange, a second exchange, automatic switches in both exchanges, a trunk line extending from the first exchange to the second exchange, means in the first exchange for extending a connection from a calling line in the first exchange to the second exchange by way of said trunk line, a sender in the second exchange, means controlled by said sender for further extending said connection by way of switches in the second exchange, means effective when enough switches in the second exchange have been set to determine that the calling line is to be reached by way of the first exchange for releasing the operated switches in the second exchange, means for subsequently extending a connection from the first exchange end of said trunk line to the called line by way of switches in the first exchange, and means effective only after the switches have been set for releasing said trunk line.

1,540,088. TRUNK LOCK. MARTIN RASMUSSEN, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed July 7, 1923. Serial No. 650,188. 6 Claims. (Cl. 292—25.)



1. In a trunk lock, a keeper member; a lock comprising a reciprocating member; a keeper engaging member pivotally carried by said reciprocating member; means for reciprocating said member; and means operable by the movement of a section of the trunk, for actuating said reciprocating means.

1,540,089. ICE-CREAM DIPPER. OSCAR H. SCHMELTER, Erie, Pa. Filed Oct. 17, 1923. Serial No. 669,015. 9 Claims. (Cl. 107—48.)



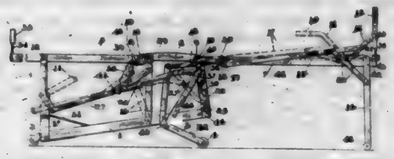
2. In an ice cream dipper, the combination of two dipper sections; rocking shafts on which the sections are mounted; means for rocking the shafts; and a hinged plate at the outer end of the dipper sections, said plate being pivotally connected with the sections with pivots in line with the shafts.

1,540,090. BRUSH. HENRY SHAPIRO, Philadelphia, Pa. Filed Sept. 6, 1923. Serial No. 661,126. 10 Claims. (Cl. 15—187.)



1. A brush including a bristle head; a hollow handle rotatably connected thereto; a delivery tube movable in the head and adapted to communicate with the interior of the handle when moved to open position and cut off communication therewith when moved to closed position; and means within said handle and actuated by rotation of said handle for feeding material through the delivery tube.

1,540,091. FOLDING BED. FREDERICK L. H. SIMS, Southampton, Ontario, Canada. Filed July 24, 1922. Serial No. 577,262. 23 Claims. (Cl. 5—31.)

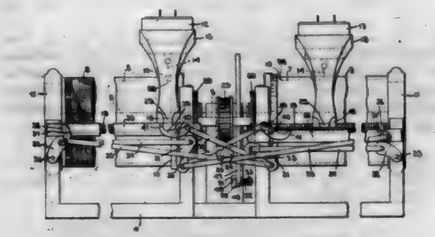


1. In a folding bed, the combination of a truck adapted adjacent one end to rest on the floor; a pair of levers pivoted on the truck and extending towards the other end of the truck to form feet and rockable to tilt the truck on the end resting on the floor; a mattress frame formed in sections hinged together and pivotally supported on said truck adjacent the end supported by the movable feet; and means connected with the mattress frame for rocking said foot levers to tilt the truck, the pivots of the mattress frame on the truck being positioned so that they are substantially in the same vertical plane as the points of contact of the movable feet with the floor, when the truck is in its lowered position, whereby they shaft to a position between said plane and the vertical plane in which lie the points of contact of the other end of the truck with the floor, when the truck is in uptilted position.

4. In a folding bed the combination of a truck adapted adjacent one end to rest on the floor; a pair of bent levers pivoted on the truck, their lower ends forming feet adjacent the other end of the truck; said levers when actuated being adapted to tilt the truck on the end resting on the floor; a folding sectional mattress frame pivoted on the truck adjacent the said other end; and links pivotally connected with said frame and the upper ends of the bent levers.

22. In a foldable mattress frame formed in sections pivotally connected together; shoulders formed on one section adjacent each pivot; and a set screw threaded through the other part adjacent each pivot adapted to engage the shoulder to limit the unfolding movement of the adjacent section.

1,540,092. TALKING MACHINE. WILLIAM E. SMITH, Lynn, Mass. Filed Jan. 20, 1920. Serial No. 352,755. 4 Claims. (Cl. 274—18.)



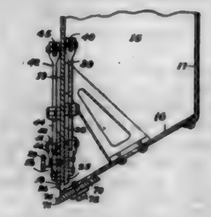
2. In a device of the class described, the combination with two holders for holding cylindrical records, of an independent sound box support for each holder, a feed screw for each sound box support, a sound box carried by each support, means actuated by each support when the sound box thereon approaches the end of a record to establish operative connection between the other sound box support and its feed screw, and means actuated by said other sound box support as it begins its feeding movement to disconnect the first-named sound box support from its feed screw.

1,540,093. ELECTROMAGNETIC VIBRATOR, TELEPHONE, OR THE LIKE. WILHELM SPÄTH, Kiel, Germany, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany, a Firm. Filed Sept. 9, 1922. Serial No. 587,183. 2 Claims. (Cl. 179—119.)



1. In an electromagnetic vibrator, a field magnet composed of iron laminae forming a yoke and limbs converging towards each other, and an alternating current coil on the field magnet, said field magnet forming as a whole a common path for the permanent magnetic lines of force and for the magnetic lines of force produced by the alternating current in the said coil, a vibratory diaphragm, an iron armature connected to said diaphragm and facing the pole pieces of the field magnet and having substantially the size of the pole area, the thickness of the said armature being suitably chosen so that the flux remains somewhat below saturation.

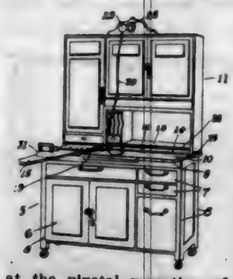
1,540,094. APPARATUS FOR MAKING PYROXYLIN SHEETS. THOMAS H. STACKHOUSE, Intervilla, Pa., assignor to Flexo Film and Chemical Co., Reading, Pa., a Corporation of Delaware. Filed Feb. 20, 1923. Serial No. 620,200. 5 Claims. (Cl. 15—15.)



1. In a machine for making continuous sheets of pyroxylin compound comprising an endless film carrier and a feed hopper having a regulated feed outlet; a film-delivering strip secured to the hopper bottom and underlying said outlet in forwardly inclined position and with its free carrier-contacting edge ahead of the hopper outlet.

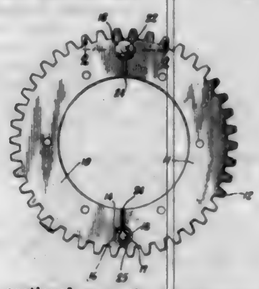
1,540,095. COMBINATION KITCHEN CABINET AND IRONING BOARD. ANDREW JOHNSON STEWART, Lebanon, Ind., assignor to Campbell-Smith-Ritchie Co., Lebanon, Ind., a Corporation of Indiana. Filed June 21, 1922. Serial No. 569,915. 1 Claim. (Cl. 68—10.)

In combination, a base having a horizontal top, a cabinet structure supported over the rear portion of said top, an ironing board pivoted in the cabinet structure and swingable horizontally into position longitudinally of the base and within the area of the cabinet structure and out across the top of the base forwardly of the cabinet structure, said ironing-board being pivoted above the base top and lying thereover with a space between it and the base top when in position out over the same forwardly of the cabinet, and a block detachably secured to one edge of said board and forming a grip for swinging same out into position for use over said top forwardly of the cabinet, said block being removable from the board and adapted to be interposed between the board and top to bridge the space between the board and top and support the board thereon when in position out thereover, said block when in position in the space between the cabinet top and the board relieving the bind-



ing imposed at the pivotal mounting of the board by pressure upon the board when in extended position out over the top forwardly of the cabinet.

1,540,096. SECTIONAL-GEAR FASTENER. FRANK WILLIAM WEST, New Rochelle, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Filed July 6, 1923. Serial No. 649,880. 15 Claims. (Cl. 74—28.)



15. In a sectional gear, the combination of a pair of gear sections, a connector bridged across the jointure between the sections, said connector provided with means for drawing the sections into a prefixed exact relative position.

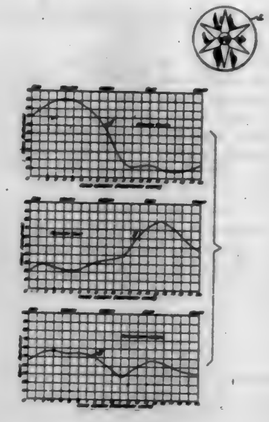
1,540,097. ELECTRIC SWITCH. FRANK BALINT, Bridgeport, Conn. Filed Mar. 17, 1924. Serial No. 699,740. 3 Claims. (Cl. 200—4.)



1. A switch of the character described, comprising a casing, a series of spaced contacts in said casing, a pivoted switch lever normally in engagement with one of said contacts and adapted to be moved into engagement with the others, locking means adapted to be actuated to prevent swinging movement of said lever, and means adapted to move said lever out of engagement with said contact, normally engaged thereby, in said locked position of the lever.

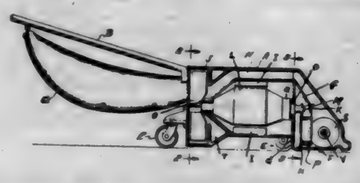
1,540,098. PROCESS OF PRODUCING COLOR SUBSTANCES. FRED K. BREISENBERGER, Cleveland, Ohio. Filed June 30, 1921. Serial No. 481,489. Renewed Oct. 4, 1924. 8 Claims. (Cl. 134—39.)

7. The process of making color substances for use in the arts which comprises determining the brightness of each color to be produced at several points in its spectrum; dividing said colors into two groups one of which comprises the colors having lower brightness and chroma values than the colors of the other group; determining according to the laws of color synthesis the primary colors of comparatively high brightness and chroma values that would be required to produce when mixed in certain sub-groups in uniform proportions said colors having low brightness and chroma values; determining mathematically the brightness values at corresponding points in the spectrum requisite for said



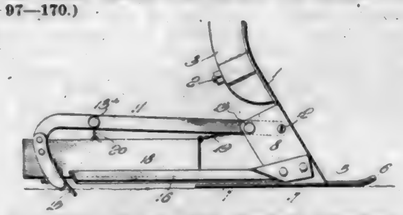
primary colors to produce the aforesaid colors of lower brightness and chroma values; determining the compositions of the primary color substances by comparison of their brightness values determined as aforesaid with the corresponding brightness values of the common known pigments capable of mixing without deleterious chemical reaction; preparing color substances having the compositions thus determined; and thereafter mixing together said primary color substances in the manner specified as the color substances of the lower brightness and chroma values are required for use.

1,540,099. VACUUM CLEANER. STEPHEN J. BOYER, Detroit, Mich. Filed Apr. 9, 1921. Serial No. 459,859. 1 Claim. (Cl. 15—8.)



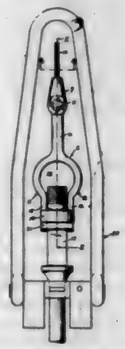
A vacuum cleaner, having in combination with a plurality apertured casing, a partition member constituting, with the adjacent top portion of the casing, an air passage at either end of which the apertures in the casing are located, a brush member rotatably journaled in said air passage adjacent the inlet aperture, a motor member protected by said partition member from access of the air passing through said passage, a fan member carried on the projecting end of the shaft of said motor adjacent the outlet aperture in the casing, a series of friction driving members operatively connecting said motor member and said brush, and externally accessible means whereby said last named members may be temporarily rendered inactive.

1,540,100. COMBINED WEEDER AND CULTIVATOR. MARSHAL S. CARTER, Wichita Falls, Tex. Filed Apr. 10, 1924. Serial No. 705,590. 3 Claims. (Cl. 97—170.)



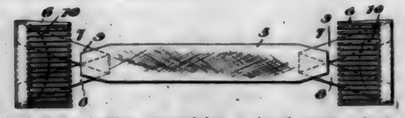
1. A device of the class described comprising an arched plate adapted to be secured to a cultivator beam, a pair of horizontal runners to which the legs of said arched plate are secured at their lower ends, supplemental cultivator beams extending rearwardly from said plate and adapted to carry cultivator shovels, and rearwardly diverging weed cutting blades extending rearwardly from the legs of said arched plate.

1,540,101. PUMP-ROD SUSPENSION DEVICE. WALTER DWIRE CHAPPUIS, Santa Ana, Calif. Filed Aug. 27, 1924. Serial No. 734,442. 2 Claims. (Cl. 294—91.)



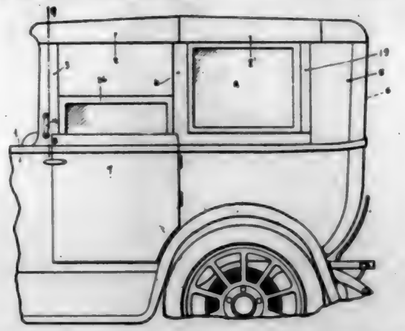
1. A rod suspension device comprising a cast body member consisting of a shank portion the lower end of said shank having a pair of segmental arms extending downwardly therefrom and forming a substantially circular opening, the ends of said arms extending below the segmental portions disposed in parallel relation and spaced apart, the distance between the parallel portions being less than the distance between the segmental portions, whereby to permit the passage therethrough of circular flanges, the extreme ends of the arms extending outwardly from the parallel end portions and substantially at right angles thereto to form a rod supporting seat, and a cross bar connecting the ends of the right angled portions.

1,540,102. HAIR HOLDER. SAUL COHEN, New York, N. Y. Filed Apr. 1, 1925. Serial No. 19,877. 5 Claims. (Cl. 132—53.)



1. A hair holder comprising a band upon which the hair is secured, elastic bands of V-shaped configuration having their apexes secured to the extremities of said band and means for attaching said holder to the head of the wearer, said means being secured to the tips of the diverging branches of said bands.

1,540,103. AUTOMOBILE TOP. RINO COLOMBINO, Turin, Italy. Filed Aug. 7, 1922. Serial No. 580,178. 4 Claims. (Cl. 296—45.)



1. A car body, comprising a rear top portion, a front top portion adapted to be folded back over the rear portion, front uprights pivotally connected at their upper ends to said front portion and foldable against the under face of the latter, means for detachably connecting the front uprights to the car body, intermediate uprights for supporting the front and rear top portions at their connection and adapted to be folded inward from the sides of the car body, a back wall and rear uprights pivotedly connected in parallel relation to the car body at their lower ends and to the rear top portion at their upper ends, side walls pivotally connected to said back wall and adapted to be folded against the latter, and windows slidable horizontally in said side walls towards and from the intermediate uprights.

1,540,104. AIRPLANE. JOHN F. COOK, Jr., Detroit, Mich. Filed Dec. 18, 1922. Serial No. 607,538. 18 Claims. (Cl. 244—29.)



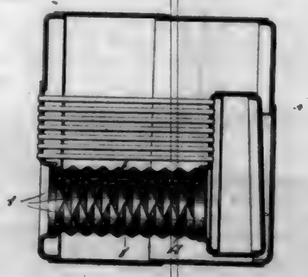
1. An aerofoil having an initial section designed for the purpose of giving a high lift/drift ratio and provided with nose and trailing portions capable of being simultaneously projected or retracted for the purpose of varying the angle of entry and trail simultaneously, connecting rods pivoted at one of their ends to said nose and trailing portions and connected at their other ends to bell crank levers, links connected to said levers adapted to move said levers simultaneously, and controlling means connected with said links adapted to cause simultaneous projection or retraction of said nose and trailing portions upon opposite sides of said aerofoil.

1,540,105. AIRPLANE. JOHN F. COOK, Jr., Detroit, Mich. Filed Dec. 18, 1922. Serial No. 607,539. 26 Claims. (Cl. 144—12.)



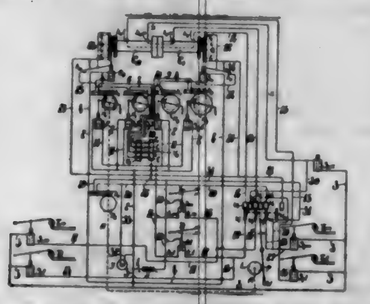
1. An aerofoil having a member channeled in cross section, a pair of metal covering plates having their adjacent edges interlocked with the walls of the channel within the interior of said channel, and a locking strip in said channel to hold said edge portions of said plates in interlocking engagement with the channel walls.

1,540,106. FURNACE FOR BOILERS. ALFRED COTTON, St. Louis, Mo., assignor to Heine Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed May 21, 1920. Serial No. 383,198. 2 Claims. (Cl. 122—58.)



1. A furnace for boilers consisting of a tubular member provided with a plurality of parallel sections, each of which is composed of a circumferential row of substantially diamond-shaped buckles or pressed portions disposed with their major axes extending circumferentially of said member and their minor axes extending longitudinally of said member.

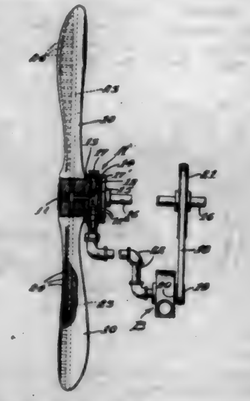
1,540,107. APPARATUS FOR THE PRODUCTION OF CIPHER DOCUMENTS ESPECIALLY FOR TELEGRAPHIC DISPATCH. ARVID GERHARD DAMM, Ronninge, Sweden. Filed Mar. 1, 1922. Serial No. 540,234. 6 Claims. (Cl. 35—13.)



1. In an apparatus of the kind set forth for the production of cipher documents especially adapted for telegraphic dispatch, means for dividing the cipher into groups each containing a predetermined number of signs, a cipher typewriter, a sender keyboard, means for connecting the cipher typewriter to the sender key board in such a manner that the depression of a key of the sender key board will effect the depression of a key of the cipher typewriter having the same sign as the said key of the sender key board, and means for preventing the cipher typewriter from being connected to the sender key board in the said manner until a group of cipher signs has been completed, substantially as and for the purpose set forth.

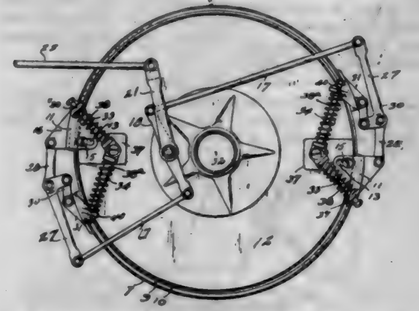
1,540,108. AEROPLANE PROPELLER. IRWIN CHARLES DUGEN, Chaska, Minn. Filed May 20, 1924. Serial No. 714,557. 4 Claims. (Cl. 170—172.)

4. In a device of the class described, a hollow hub comprising a reduced stud and an enlarged drum-like portion, the latter having radial openings therein and spaced annular flanges at either side of said openings, said flanges being beveled at their inner sides, propeller blades mounted radially on said stud, each blade having a conduit extending longitudinally thereof and also passageways opening at the advancing edge of the blade and leading to said conduit, the conduit communicating with the hollow stud, an annulus divided diametrically for the taking up of wear and fitted over the drum-like portion of said hub and between said



flanges, said annulus having an internal annular channel therein communicating with the radial openings in said hub, and a suction pump communicating with said channel.

1,540,109. AUTOMOBILE BRAKE MECHANISM. THOMAS M. DEVINE, Cleveland Heights, Ohio. Filed Aug. 20, 1921. Serial No. 493,778. 15 Claims. (Cl. 188—77.)



1. In an automobile, a brake mechanism having in combination a brake drum, a pair of brake shoes having brake lining mounted thereon, a support rigid with the rear axle housing upon which said brake shoes are pivotally and slidably mounted and resilient means for moving each end of each brake shoe away from the drum.

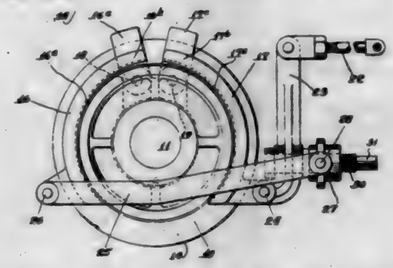
1,540,110. METHOD OF FINISHING FLOORING. ELMER C. DITTMAR, Williamsport, Pa., assignor to The Crooks-Dittmar Company, Williamsport, Pa., a Corporation of Pennsylvania. Filed Sept. 14, 1921. Serial No. 500,656. 9 Claims. (Cl. 91—68.)



3. The method of finishing a strip of lumber consisting in continuously moving a strip of lumber and while in motion applying filler thereto, rubbing the strip

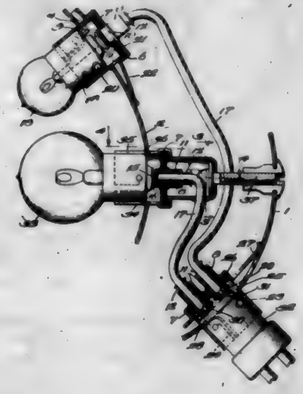
lengthwise, then wiping it crosswise and then rubbing it lengthwise for forcing the filler into the pores of the wood and for removing the surplus therefrom.

1,540,111. BRAKE. EDWARD J. DOBERSTEIN, Blue Island, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 2, 1922. Serial No. 598,680. 4 Claims. (Cl. 188—56.)



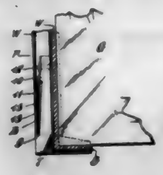
1. In a brake, the combination of a frame, a rotatable brake drum, a collar mounted concentric with and adjacent said brake drum, means associated with said frame restraining said collar from rotation respective to said brake drum, a pair of brake members each having a pivotal connection with said collar at their adjacent ends, and adapted to have frictional engagement with opposite sides of said brake drum, and controlling means for said brake members, including a lever arm pivotally connected to the free end of one of said brake members, a link pivotally connecting the free end of the other of said brake members with said lever arm, and means on said frame for actuating said lever arm, including a brake rod pivoted thereto, said lever arm being supported by the pivotal connections aforesaid independent of the frame.

1,540,112. CIRCUIT-CONTINUING DEVICE. HARRY A. DOUGLAS, Bronson, Mich. Filed Jan. 27, 1921. Serial No. 440,481. 2 Claims. (Cl. 173—339.)



1. The combination with a contact carrier having an external shoulder; of a support in bayonet projection and channel connection with the contact carrier; and a bowed spring plate having an opening through which the contact carrier is passed, the opening being of a size to enable the portion of the plate margining it to engage said shoulder, said bayonet projection and channel connection between the contact carrier and support serving to draw said shoulder against said spring plate and to press the spring plate against said support.

1,540,113. WINDSHIELD-GLASS-RETAINING CLIP. THOMAS F. EUSTACE, Cleveland, Ohio. Filed Jan. 18, 1924. Serial No. 687,127. 5 Claims. (Cl. 296—84.)



1. A windshield glass retaining clip comprising a substantially L-shaped member, one portion of said member being adapted for engagement with an edge of the glass, the other arm being engageable with the windshield frame and spring means for retaining said other arm and windshield frame inter-engaged.

1,540,114. INVISIBLE SUSPENDERS. JOHN J. FINK, Lodi, Calif. Filed Aug. 19, 1924. Serial No. 732,902. 3 Claims. (Cl. 241—23.)



1. A suspenders including a pair of straps crossing each other intermediate their ends, hooks depending from the ends of the straps, flexible endless loops disposed in a vertical plane and slidably supported at spaced points on their upper runs by the adjacent hooks of opposite straps, a connection secured to and extending between the upper and lower runs of each loop between the hooks, whereby to prevent approach of the straps together and hold the upper and lower runs of the loop between the members in definitely spaced relation, and button engaging members depending from said lower runs only on both sides of the connection.

1,540,115. PENCIL CLIP. HOWARD L. FISCHER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed Nov. 22, 1920. Serial No. 425,819. 5 Claims. (Cl. 24—11.)



1. A clip in combination with a pencil casing, a spring engaging arm formed on said clip, an opening formed in said clip, an embossed portion in said casing adapted to fit said opening, a holding tongue adapted to engage

said casing and a locking shoulder adapted to lock said tongue and clip to said casing when said embossed portion enters said opening to hold said clip against longitudinal or transverse movement.

1,540,116. AUTOMATIC CHAIN-APPLYING APPARATUS. CHARLES E. FOSTER, Independence, Mo. Filed Oct. 24, 1921. Serial No. 509,832. 5 Claims. (Cl. 152—14.)

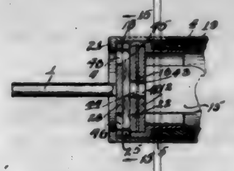


1. The combination with a motor car having a chambered running board forward of a rear wheel, said wheel being provided with loops at its opposite sides, of a pair of spaced channel bars within the running board, a tire chain stretched within said chamber and slidingly engaged at its ends with said bars, and provided at each end with a pair of snap-hooks, and means for adjusting said bars rearwardly to dispose their rear ends at opposite sides of the felly of the said wheel, with the rear snap-hoops in the path of rotation of the loops of said wheel.

1,540,117. MANUFACTURE OF BISMUTH TARTRATES. GUSTAV GIEMSA, Hamburg, Germany, assignor to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Filed Sept. 9, 1924. Serial No. 736,791. 8 Claims. (Cl. 260—11.)

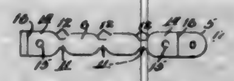
1. The process of preparing a sodium salt of bismuth-tartaric acid, which consists in reacting on di-sodium-tartrate with bismuth-hydroxid.

1,540,118. CARTRIDGE FUSE, KNIFE-BLADE TYPE FOR REMOVABLE-FUSE ELEMENTS. JOHN B. GLOWACKI, Chicago, Ill. Filed Feb. 1, 1922. Serial No 533,193. 5 Claims. (Cl. 200—132.)



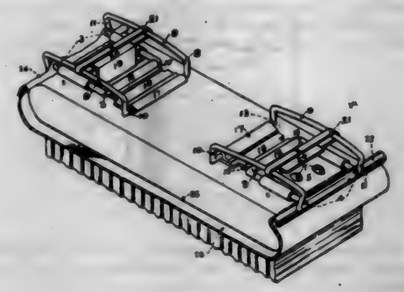
1. In a fuse cartridge a casing having notches in the end thereof, a plurality of contact blades, a plurality of superimposed disks rigidly secured to each of said contact blades and having openings therein to afford circuitous outlets for gases, lugs integrally formed on one of said disks for each contact blade, adapted to engage in the casing notches to positively hold the contact blades in the same plane, and means for securing the contact blades and said disks in position.

1,540,119. RENEWABLE FUSE ELEMENT. JOHN B. GLOWACKI, Chicago, Ill. Filed Mar. 9, 1922. Serial No. 542,253. 3 Claims. (Cl. 200—135.)



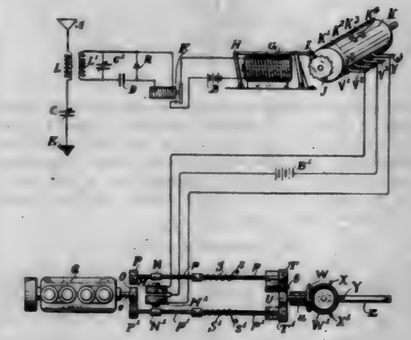
1. A strip of fusible conducting material having end portions each at an angle to the plane of the main body of the strip, and weakened portions separating said end portions from the main body of the strip.

1,540,120. SHEET HOLDER. FRANKLIN T. HAMMERLE, Detroit, Mich. Filed Mar. 4, 1924. Serial No. 696,879. 5 Claims. (Cl. 15—231.)



5. In a sheet holder, a block, a buckle comprising a pin fixed to said block and extending longitudinally thereof and having a point adjacent said end, a clamping frame, a link pivoted at its opposite ends to said pin and the inner ends of said frame, said clamping frame having its outer end adapted to engage said pin when said buckle is in a closed position.

1,540,121. SYSTEM OF TELEDYNAMIC CONTROL. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed Mar. 21, 1913, Serial No. 755,841. Renewed July 24, 1923. 4 Claims. (Cl. 172—8.)

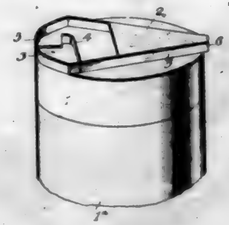


1. The combination with a driving element arranged to rotate about a fixed axis of a flexible shaft normally out of operative engagement with said driving element, a fixed bearing by which said shaft is supported to rotate about a fixed axis extending longitudinally of said shaft, means to flex said shaft to move said shaft into operative engagement with said driving element to be rotated thereby, and yielding means secured to said shaft and automatically operative to reverse the rotation of said shaft and return said shaft to an initial position of rotation after it has been rotated by and released from said driving element.

1,540,122. PREDETERMINED BULK DISCHARGING COVER. HOWARD W. HARDER, Independence, Mo. Filed June 28, 1923. Serial No. 648,297. 5 Claims. (Cl. 221—65.)

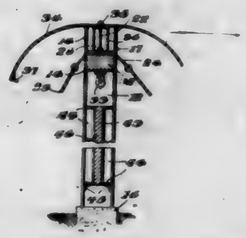
1. In a predetermined bulk discharging cover, a cap adapted to be secured to a container, an opening from said container through said cap near one side of the

cap, a discharge member mounted on said cap and open at one end, and a flange extending partially around the perimeter of said cap opening to direct the discharge



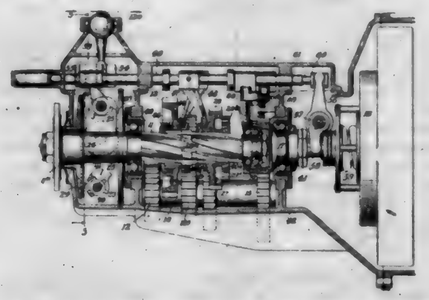
of contents of the container directly into said discharge member transversely of the longitudinal axis of said member.

1,540,123. ADVERTISING DISPLAY AND NIGHT-LANDING SIGNAL FOR AIRCRAFT. HAROLD E. HARTNEY, Washington, D. C. Filed Nov. 2, 1923. Serial No. 672,848. 13 Claims. (Cl. 240—1.)



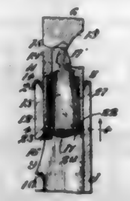
1. In a night landing signal for aircraft landing fields, a source of light, a substantially vertically disposed panel having one side thereof formed to provide a light reflecting surface for indirectly projecting light onto a field from said source of light, the opposite side of said panel formed to provide an advertising display medium illuminated from said source of light.

1,540,124. VARIABLE-SPEED TRANSMISSION MECHANISM. FRANK A. HAYES, New York, N. Y. Filed Mar. 14, 1921. Serial No. 452,305. 39 Claims. (Cl. 74—97.)



1. In a transmission mechanism, the combination with a pair of gears shiftable into mesh by relative axial movement, of means acting automatically to cause such relative movement and dependent for operation upon a predetermined pitch-line velocity ratio of the gears.

1,540,125. HYPODERMIC SYRINGE. GEORGE N. HEIN, San Francisco, Calif. Filed May 16, 1924. Serial No. 713,754. 7 Claims. (Cl. 128—218.)



1. A hypodermic syringe including a tubular syringe barrel open at one end for the reception of a piston, a piston reciprocably mounted therein and provided with a chamber at one end opening at its inner end laterally through the side wall of the piston, an elastic packing member overlying the periphery at the end of the piston with a portion received within the chamber, and means at the inner end of the packing for engaging the wall of the chamber through a lateral movement to establish a releasable holding contact therewith.

1,540,126. PISTON CONSTRUCTION. GEORGE N. HEIN, San Francisco, Calif. Filed July 1, 1924. Serial No. 723,531. 8 Claims. (Cl. 128—219.)



1. A piston-construction especially adapted for syringes, comprising a piston, the lower portion of which is reduced, and said reduced portion circumferentially grooved leaving continuous circumferential shoulders on said reduced portion at the head and foot of said groove, and a yielding packing washer fitted to said reduced portion.

1,540,127. EXTENSION TABLE. ALFRED T. HEYMANN, Hamburg, Germany. Filed Aug. 26, 1921. Serial No. 495,536. 5 Claims. (Cl. 45—9.)

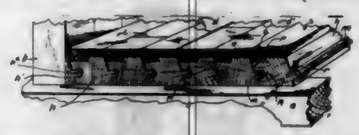


1. An extension table of substantially curved peripheral configuration comprising in combination, a pair of end leaves, pairs of slides underneath said leaves and a foldable middle leaf and a foldable insertion leaf, one on top of the other hingedly attached between and rockable about an axis extending in parallel to said slides, the unfolded insertion leaf being of greater length and width than the unfolded middle leaf.

1,540,128. COMPOSITE UNIT FOR FLOORING AND THE LIKE AND METHOD FOR MAKING SAME. ROSS HOUSTON, Tacoma, Wash. Filed Dec. 28, 1922. Serial No. 609,444. 8 Claims. (Cl. 20—8.)

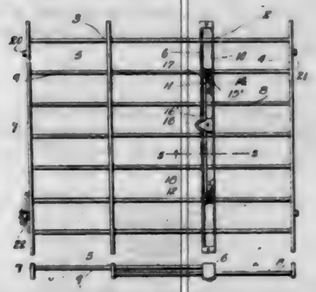
1. A flooring or surface consisting of a plurality of composite uniform units, each composed of a base-piece and a top-piece, the base-piece being provided with a sunken portion at one side on its top face, the top piece being provided on its bottom face with a protuberance

adapted to be seated in said sunken portion, the side of the latter over-hanging the abutting side of said protuberance, whereby the sunken portion of the base-piece



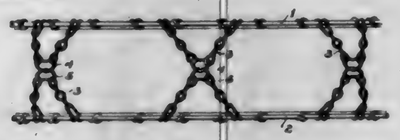
of one unit will lie below the top of the base piece of the adjacent unit, and the side face of the base piece of one unit will provide a locking abutment for the top piece of the adjacent unit.

1,540,129. WINDOW GUARD. THOMAS W. HOUSTON, Kansas City, Mo. Filed Dec. 20, 1923. Serial No. 681,855. 5 Claims. (Cl. 20—71.)



1. In combination, two frames, each having end bars and longitudinal rods, the longitudinal rods of one frame passing through an end bar of a complementary frame, locking mechanism carried by one of the end bars through which the rods of the complementary frame projects, said locking mechanism comprising a locking plate having an opening through which one of the rods extends, the edge of the opening impinging on the rod, means for holding the plate in impinging position and means for releasing the plate from engagement with the rod.

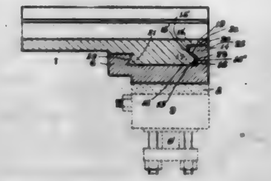
1,540,130. NONSKID CHAIN. JETER F. HOWERTON, Grand Rapids, Mich. Filed Apr. 9, 1921, Serial No. 459,923. Renewed Feb. 18, 1925. 2 Claims. (Cl. 152—14.)



1. A non-skid tire chain comprising side chains, a plurality of cross members, each member comprising interlinked symmetrically arranged heart-shaped links at the center and short chains connected with the outer lobes of each heart-shaped link and connected with an adjacent side chain.

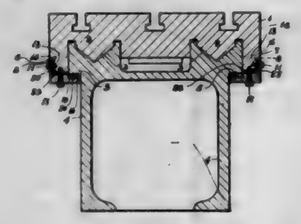
1,540,131. GUIDEWAY. CHARLES GEORGE JOHANNESMEYER, Glendale, and ALFRED R. MCCANN, Hamilton, Ohio, assignors to The Liberty Machine Tool Company, Hamilton, Ohio, a Corporation of Ohio. Filed July 1, 1924. Serial No. 723,510. 9 Claims. (Cl. 308—3.)

1. In a guide way, a slidable member, a stationary member relative to said slidable member, a longitudinal projection formed on said stationary member and having one side flared and substantially V-shaped and having a flat top and having the other side formed as by two flat surfaces in parallel relation with each other and at right angles to said top, and an angular surface between and connecting the inner ends of said flat surfaces, said slidable member having its inner part formed similar to said longitudinal projection and interlocking therewith, and a space respectively between said flat surfaces of said stationary member and the inner side of said slidable member.



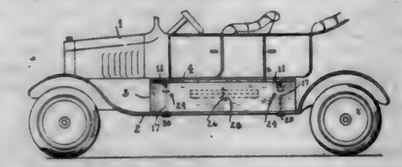
5. In a guide way, a male member having a longitudinal projection, a female member, said male member having a channeled side in fitted and interlocking relation with said longitudinal projection and having one side enclosed by surfaces comprising two flat surfaces in parallel relation with each other and an angular surface between said flat surfaces and a space respectively between each of said flat surfaces and said male member.

1,540,132. TABLE CLAMP. CHARLES GEORGE JOHANNESMEYER, Glendale, and ALFRED R. MCCANN, Hamilton, Ohio, assignors to The Liberty Machine Tool Company, Hamilton, Ohio, a Corporation of Ohio. Filed July 1, 1924. Serial No. 723,511. 9 Claims. (Cl. 308—3.)



1. In a metal planer table clamp, a bed having a horizontal longitudinal shoulder thereon, a table having a wedge shaped groove longitudinally thereof, a longitudinal plate fixed to the bottom outer edge of said table and in engagement with said shoulder, a wedge in said groove and having its lower edge in engagement with the upper side of said plate and means for adjustably securing said wedge in engagement with said table.

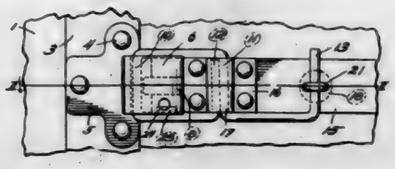
1,540,133. COMBINATION RECEPTACLE AND TABLE FOR VEHICLES. GEORGE W. KIRKPATRICK and JAMES A. CALDWELL, Rochester, N. Y. Filed Feb. 27, 1924. Serial No. 695,553. 5 Claims. (Cl. 190—12.)



1. A combined receptacle and table for vehicles comprising a receptacle having a hinged cover and openings in the front wall, a leaf hinged to the front wall of the receptacle near the upper edge thereof to form with the

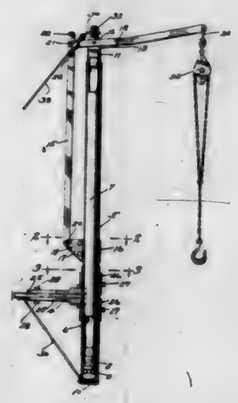
top wall of the receptacle a table top, and a support for the leaf extending through the front wall of the receptacle and supported by the rear wall thereof.

1,540,134. DOOR-SASH LATCH. WILLIAM KIRN, Solomon, Kans. Filed Apr. 9, 1923. Serial No. 630,860. 4 Claims. (Cl. 292—227.)



1. A lock structure comprising a keeper, a latch of loop form adapted for engagement with said keeper; the latch being in the form of a continuous bar having two portions of its length adjacent and parallel, and a bearing member encircling said overlapped ends, said parallel portions being adapted to rotate on their own axes.

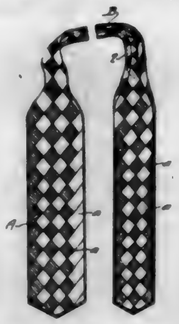
1,540,135. TRUCK HOIST. JOSEPH KLINKHAMMER, Hopkins, Minn., assignor of one-half to Gustave A. Bethke, Hopkins, Minn. Filed Aug. 4, 1924. Serial No. 730,061. 4 Claims. (Cl. 212—65.)



1. A hoist attachment comprising an attaching bracket, a supplemental casing carried by the bracket and extending both above and below the same, a main casing turnably mounted in the supplemental casing, a mast in the main casing, said main casing and mast being supported on a bearing in the supplemental casing, an arm carried by the mast, and a block and tackle carried by the arm.

1,540,136. METHOD OF MAKING A BRAIDED TIE. CATHERINE S. LAAGE, St. Louis, Mo. Filed Oct. 15, 1923. Serial No. 668,659. 4 Claims. (Cl. 2—144.)

1. A method of constructing a tie or cravat, characterized by stretching lengthwise the intermediate portion of a braided member constructed in the form of a flat strip, turning over the longitudinal edges of the intermediate portion of said strip so as to form a narrow



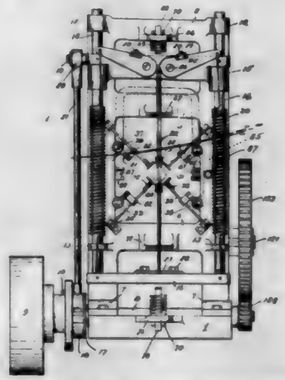
neck band, pressing down said folded edges, and thereafter securing the superimposed parts of the neck band together with stitches.

1,540,137. REMOVABLE JACKET FOR SPARK-PLUG ELECTRODES. WILLIAM F. LAUTENSCHLAGER, Cincinnati, Ohio. Filed Aug. 8, 1921. Serial No. 490,668. 2 Claims. (Cl. 123—169.)



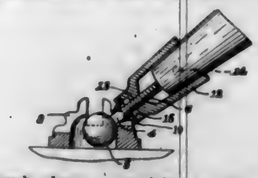
1. In a spark plug, a pair of electrodes having free ends and disposed at an angle to each other, a coiled spring member frictionally held on the free end of each electrode adapted to form a spark gap and said coiled spring members having an inside diameter slightly less than the outside diameter of said electrodes, substantially as described.

1,540,138. FRUIT-PITTING MACHINE. ERNEST A. MEACHAM, Oakland, Calif., assignor, by mesne assignments, to California Packing Corporation, San Francisco, Calif., a Corporation of New York. Filed May 8, 1920, Serial No. 379,745. Renewed Mar. 7, 1923. 28 Claims. (Cl. 146—28.)



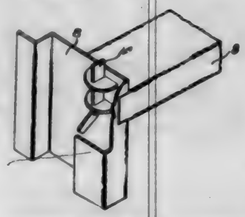
1. A fruit pitting machine comprising parallel flexible cutting knives, means for reciprocating said knives, means for spreading said knives apart to enable the fruit pit to pass between them, and means for moving the fruit past said knives.

1,540,139. BRUSH CLAMP. GEORGE C. MORRISON, Calumet, Mich. Filed June 28, 1923. Serial No. 648,224. 3 Claims. (Cl. 306—6.)



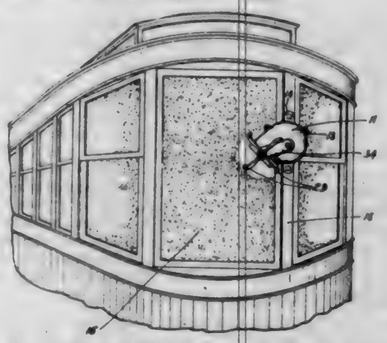
1. A brush clamp, comprising a hollow base formed with ways, stepped notches in the walls of said ways, a bolt having a ball on one end engaging said hollow base and a screw on the other, a ferrule adapted to receive the threaded portion of the bolt, a washer having an opening to receive the bolt and a depending rib to engage the notches in the sides of the ways and lock the ferrule to the base piece, and teeth extending into the ways to hold the bolt against rotation during the angular adjustment of the ferrule.

1,540,140. JOINT FOR CABINETS AND THE LIKE. ENOCH OHNSTRAND, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass., a Corporation of New Jersey. Filed July 29, 1922. Serial No. 578,414. 8 Claims. (Cl. 45—2.)



1. A joint comprising angular members joined together with one pair of sides meeting at an angle and another pair of sides in parallelism, the sides of said first pair being interlocked together, and the sides of the other pair having a coplaner tongue and recess interfitting together.

1,540,141. DEFLECTING MEANS. CARL W. OLSON, Minneapolis, Minn. Filed Feb. 19, 1923. Serial No. 620,098. 6 Claims. (Cl. 20—40.5.)



1. In a device of the class described, the combination of a blower, a housing therefor, a conduit adapted to direct a current of air from the blower housing adjacent a window to deflect the elements therefrom, a rotatable arm mounted on the housing to travel in a path adjacent said window to deflect the element therefrom and means simultaneously to actuate the blower and arm.

1,540,142. APPARATUS FOR MANIPULATING GLOBES. JOHN ORR PIERPOINT, Pana, Ill., assignor of one-half to John J. Pierpoint, Pana, Ill. Filed Mar. 22, 1924. Serial No. 701,133. 23 Claims. (Cl. 294—21.)



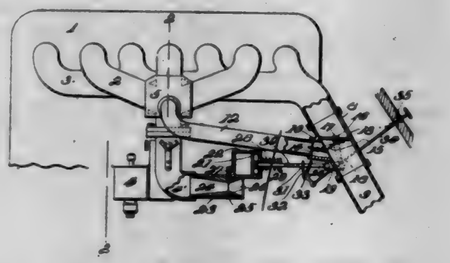
1. In apparatus of the class described, a main driving shaft, a driven shaft adapted to have rotation imparted thereto from said driving shaft, means for rotating the driving shaft, gripper fingers mounted to rotate with said driven shaft, power transmission devices for imparting rotation from driving shaft to driven shaft, said devices providing a pivotal connection whereby the driven shaft may be moved to angular relation with the driving shaft, and including freely movable parts and bolt and nut connections forming a pivot for said parts and adapted to be actuated to permit angular movement to provide adjustment or to secure such adjustment.

1,540,143. APPARATUS FOR MANIPULATING GLOBES. JOHN O. PIERPOINT, Pana, Ill., assignor of one-half to John J. Pierpoint, Pana, Ill. Filed May 17, 1924. Serial No. 714,041. 30 Claims. (Cl. 294—21.)



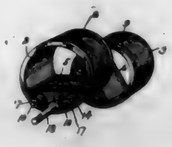
1. In apparatus of the class described, opposing globe gripping elements, a hollow driving shaft, a hollow driven shaft telescoped into the driving shaft, means to impart rotation to the shafts, and means passing through said shafts and connected with said gripping elements for manipulating the gripping elements for the purposes specified.

1,540,144. CHARGE-HEATING CONTROL FOR INTERNAL-COMBUSTION ENGINES. ALBERT G. REDMOND, Indianapolis, Ind., assignor to Marvel Carbureter Company, Flint, Mich., a Corporation of Indiana. Filed Apr. 22, 1920. Serial No. 375,772. 9 Claims. (Cl. 123—122.)



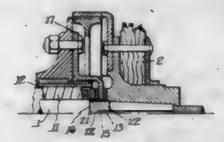
1. An internal combustion engine having an exhaust pipe, intake manifold and charge forming device connected thereto, a heating chamber arranged to heat the charge in its passage to the engine having an inlet and outlet pipe connected to the exhaust pipe, a valve disposed in the exhaust pipe between the inlet and outlet of the connection with said heater, a valve in the outlet pipe of said heater having a connection with said valve and means for actuating the first mentioned valve controlled by the changing vacuum existing in the air inlet of said charge forming device.

1,540,145. VARIOCOUPLER. HARRY REIFEL, New York, N. Y., assignor to Pathe Phonograph and Radio Corporation, a Corporation of New York. Filed May 1, 1923. Serial No. 635,846. 8 Claims. (Cl. 171—119.)



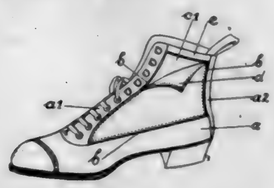
8. A variocoupler comprising in combination a pair of windings, a pair of coil supports for said windings, a bearing member in each support, means for rigidly mounting one of said supports, a rotatable shaft passing through each of said bearing members interiorly of said windings, said shaft having a smaller cross sectional area throughout one portion of its length than another portion, said first mentioned portion fitting within said other support, and resilient means between said bearing members whereby said supports may be axially displaced for varying the coupling between said windings.

1,540,146. REAR AXLE. LOUIS SIMA, Chicago, Ill. Filed Feb. 11, 1924. Serial No. 691,933. 2 Claims. (Cl. 180—88.)



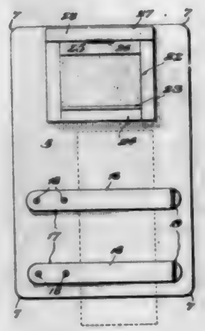
1. A rear axle for automobiles having, in combination, a rear axle housing, a shaft section in said housing, an anti-friction bearing in said housing for the outer end portion of said shaft section, the outer end portion of said shaft section being reduced in diameter to provide a cylindrical surface and an annular shoulder, a stop collar rigidly mounted on said cylindrical surface against said shoulder, a wheel mounted on the outer end of said shaft section, a disk through which the shaft section extends, said disk lying between said stop collar and said wheel, a flange on said disk, a part rigid with the rear axle housing, and a bolt securing said flange to said part.

1,540,147. BOOT AND SHOE. DOUGLAS VON ARNHEM, Berlin, Germany. Filed July 8, 1922. Serial No. 573,744. 4 Claims. (Cl. 36—45.)



1. Boots or shoes having tops formed partly of superposed layers, the inner layers of which form integral permanent parts of the boot or shoe and the outer layers being removably connected by stitching to the tops thereof.

1,540,148. IDENTIFYING APPARATUS. PAUL. N. WAGGENER, Memphis, Tenn. Filed Nov. 23, 1923. Serial No. 676,550. 7 Claims. (Cl. 41—4.)



1. In a portable finger print device, the combination with a substantially flat base, and a container for marking material attached thereto and substantially in the same plane therewith, of means also attached to the base adapted to hold the article to be marked by finger print impression.

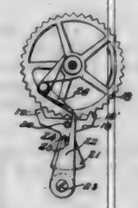
1,540,149. MECHANISM FOR PREVENTING BACKLASH IN PRECISION INSTRUMENTS, ETC. GEORGE WALKER, Newton Center, Mass. Filed Jan. 25, 1923. Serial No. 614,835. 12 Claims. (Cl. 235—104.)



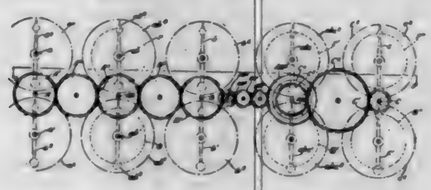
1. In a device having a member adapted to be advanced over a predetermined path and afterwards reset, means for advancing said member, mechanism for continuously holding said member against reverse movement in any position of its advance including its final position before being reset, and means to release said mechanism to allow said member to be reset.

1,540,150. ESCAPE MECHANISM FOR SHIPS' INSTRUMENTS AND OTHER PRECISION INSTRUMENTS. GEORGE WALKER, Newton Center, Mass. Filed Jan. 25, 1923. Serial No. 614,836. 7 Claims. (Cl. 58—1.)

1. A device of the character described comprising an escape wheel adapted to be rotated in one direction, a spring for returning the wheel to initial position, an escape lever for regulating the movement of the wheel, and mechanism for stopping the wheel in initial position upon the return movement, said mechanism including mutually engaging parts associated with the wheel and lever respectively.



1,540,151. APPARATUS FOR AVERAGING VELOCITIES OF ROTATING ELEMENTS. GEORGE WALKER, Newton, Mass. Filed Jan. 25, 1923. Serial No. 614,840. 7 Claims. (Cl. 235—61.)



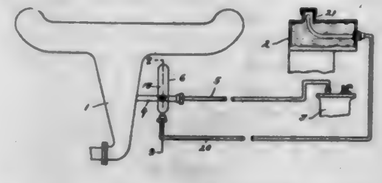
1. Apparatus for differentiating the angular velocity of a number of rotary members greater than two, comprising gearing inter-connecting two of the rotary members, said gearing including a differential rotatable at a speed proportional to the average speed of the two members, gearing interconnecting said differential with other of said rotary members, the last aforesaid gearing including a second differential rotatable at a speed proportional to the average speed of all the rotary members, and means for indicating the angular velocity of each of the rotary members and of each of the differentials.

1,540,152. COMPOSITION FOR MAKING FLEXIBLE, TRANSPARENT, WATERPROOF WINDOWS AND THE PRODUCT THEREOF. KENNETH L. WEBER, Augusta, Ga., assignor of one-third to Charles Weber, Cincinnati, Ohio. Filed Aug. 5, 1921. Serial No. 490,184. 2 Claims. (Cl. 106—39.)

1. The herein described flexible, transparent, waterproof window for automobile curtains and the like, made from a sheet consisting by weight of about fifteen grains of refined granulated or so called sparkling gelatine, five minims of glycerine, one hundred and twenty minims of distilled water and one minim of formaldehyde and having a transparent coating of water proof varnish.

1,540,153. AUTOMATIC AIR CONTROL FOR INTERNAL-COMBUSTION ENGINES. ROBERT G. WIARD, Ypsilanti, Mich., assignor of one-third to James A. Bent and one-third to Oliver A. Hankinson, both of Ypsilanti, Mich. Filed June 19, 1922. Serial No. 569,360. 3 Claims. (Cl. 123—124.)

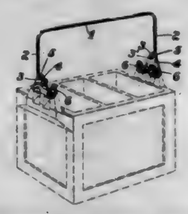
1. The combination with the intake passage for an internal combustion engine, of an auxiliary air control device having a restricted passage in communication with said intake passage, a valve adapted to move in the direction of the air flowing through said restricted passage to close the same, and a thermostat controlled by the heat of the engine for automatically opening said valve, the proportions of the restricted passage, valve, and thermostat being such that the suction within said intake passage when approximately at the maximum closes said valve.



1,540,154. METHOD OF EXTRACTING VANADIUM. ALBERT WITTIG, Berlin, Germany. Filed May 7, 1924. Serial No. 711,743. 1 Claim. (Cl. 23—19.)

The method of extracting vanadium from vanadium ores by means of a mixture of sulphuric acid and sulphurous acid, consisting in adding to the sulphuric acid at least five parts by weight of SO_2 to a hundred parts of the ore to be treated and treating the ore with the acid mixture thus prepared, in the usual manner, to obtain a solution of vanadium.

1,540,155. DETACHABLE METAL HANDLE FOR BATTERY BOXES. HERBERT H. WYDOM and JOSEPH E. PERRAULT, Watertown, Mass., assignors to Hood Rubber Company, Watertown, Mass., a Corporation of Massachusetts. Filed Oct. 25, 1924. Serial No. 745,835. 1 Claim. (Cl. 16—119.)

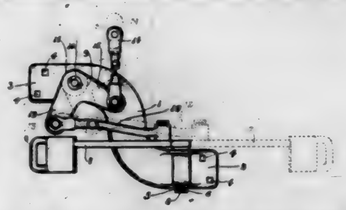


A detachable handle for battery boxes comprising a wire bail having a straight handle portion of substantially the length of the box and vertically depending portions having inwardly curved lower ends, and a pair of sheet metal carrying clips of substantially triangular form suspended from said vertically depending portions, each of said clips having an eye adjacent its apex through which the corresponding curved end of the bail passes, said end being upset to retain the clip thereon, the lower portions of the clips being bent inward to form handle engaging hooks having inclined upper ends.

1,540,156. SWITCH STAND. GEORGE ASHTON, Cincinnati, Ohio, assignor to The Central Frog and Switch Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Aug. 4, 1922. Serial No. 579,719. 2 Claims. (Cl. 246—411.)

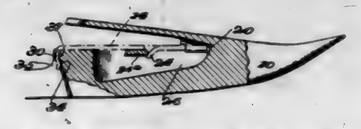
1. A switch stand comprising a base having a horizontal bearing at one end and a vertical stud at the other end thereof, a switch throwing lever mounted in said horizontal bearing, and having a weight thereon, adapted when in downwardly closed position to be entirely removed vertically from said base, a bell crank mounted on said stud and above said base and having the outer end of one arm entirely removed vertically

from said base and having its other arm extending in parallel relation and above said base, a pitman having one end pivotally connected to said switch throwing lever



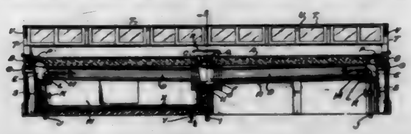
adjacent said horizontal bearing and having its other end pivotally connected to one arm of said bell crank, and a switch throwing connecting rod pivotally connected to the other arm of said bell crank.

1,540,157. GUARD AND LEDGER PLATE. JOHN PETER BAGAN, Vancouver, British Columbia, Canada. Filed Dec. 3, 1923. Serial No. 678,267. 6 Claims. (Cl. 56—311.)



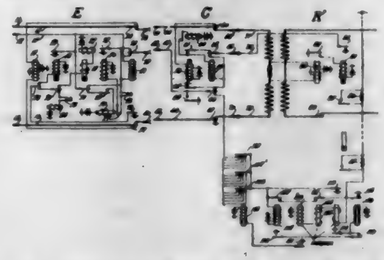
1. A guard comprising a body having a cavity and having a bridge member spanning the cavity, and a ledger plate having a U-shaped incision defining a partly severed portion extended downwardly to define a spring finger adapted to be received in said cavity and securely engaged with said bridge member whereby to hold the ledger plate securely in position, said guard having a pair of shoulders and a socket between said shoulders and said ledger plate having a lip received in said socket and having a pair of shoulders flatly engaging said first named shoulders whereby to cooperate with said spring finger to hold the ledger plate securely in position.

1,540,158. REFRIGERATED DISPLAY COUNTER. JOHN F. BARGHAUSEN, Takoma Park, D. C. Filed Jan. 20, 1925. Serial No. 3,658. 14 Claims. (Cl. 62—37.)



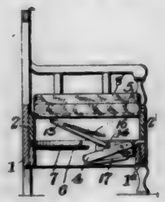
13. A refrigerated display counter having a chilling chamber in the top thereof, end openings directed downwardly from and a central opening directed upwardly into the chilling chamber, an air receiving chamber beneath each end opening and a larger air deflecting chamber beneath the central opening, also a controllable air induction opening leading into each air receiving chamber and controllable air exhausting openings at high positions in the chilling chamber; a louvered frame in each end opening having the slats thereof directed downwardly-outwardly, and a louvered frame in the central opening having the slats thereof directed upwardly-outwardly at each side thereof, a low support baffle positioned over the central opening and having open ends directed toward the end openings, a pair of restricted ducts circular in cross section and positioned longitudinally of the counter beneath the chilling chamber with their entrant ends one in each air receiving chamber and their discharge ends one in each side of the air deflecting chamber in opposed relation each on a slight incline toward the said deflecting chamber, nozzles positioned one in each duct entrant end and adapted to eject finely divided opposed conical sprays of chilled brine into the ducts, and a brine drain leading from the deflecting chamber.

1,540,159. MAKE-BUSY ARRANGEMENT FOR SECONDARY TRUNKING SWITCHES. JOHN I. BELLAMY, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 25, 1922. Serial No. 584,218. 12 Claims. (Cl. 179—18.)



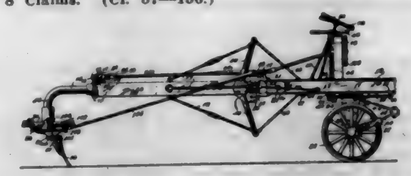
1. In a telephone trunking system, a plurality of incoming trunks, each trunk terminating in a switching mechanism, a lesser plurality of outgoing trunks accessible in common to all said mechanisms, each of said incoming trunks having a test conductor, said conductors being disconnected from each other, and means effective whenever there are only a predetermined number of outgoing trunks idle for connecting together the test conductors of all the idle incoming trunks.

1,540,160. FOLDING COUCH. DANIEL H. CALDEMEYER, Evansville, Ind. Filed Aug. 25, 1923. Serial No. 659,338. 2 Claims. (Cl. 5—22.)



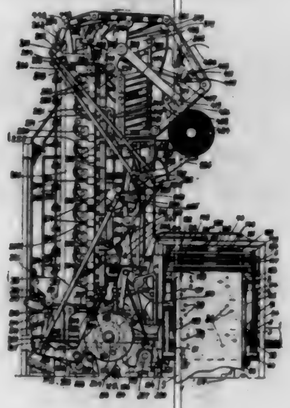
1. In a folding couch, the combination of sections adapted to stack, one on top of the other, or to be arranged side by side, foldable legs carried by the movable section, operative connections between the sections, adapting one section to be folded on the other section, and elongated, inclined plates carried by the stationary section adapted to exert a camming, folding action on said legs, and to sustain the legs when the movable section is stacked on the stationary section.

1,540,161. GRADER ATTACHMENT FOR TRACTORS. LILBERN B. CALLISON and ELDER J. ERLANDSON, Chariton, Iowa. Filed Nov. 3, 1921. Serial No. 512,675. 8 Claims. (Cl. 37—156.)



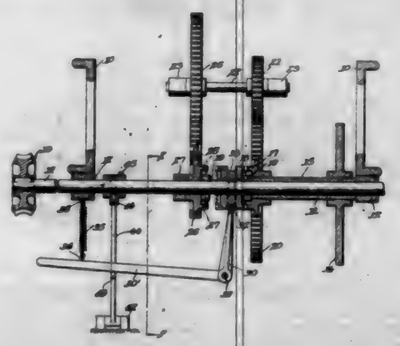
1. A supporting frame, means for steering and advancing said supporting frame, a boom extending beyond the rear end of said supporting frame having its forward end universally pivoted to the rear end of said supporting frame, means carried by said supporting frame for imparting universal movement to the free end of said boom, a grader blade attached to the free end of said boom capable of universal adjustment, and means carried by said supporting frame for accomplishing the said universal adjustment of said grader blade.

1,540,162. AUDITING MACHINE. FRED M. CARROLL, Binghamton, N. Y., assignor to The National Cash Register Company, Dayton, Ohio, a Corporation of Ohio (Incorporated in 1906). Filed Sept. 30, 1912, Serial No. 723,205. Renewed July 28, 1924. 271 Claims. (Cl. 235—61.)



1. In a machine of the class described, the combination with a plurality of accumulators, of a set of differentially movable actuators common thereto, a frame carrying said accumulators, and record controlled means for moving said frame to bring any one of said accumulators into cooperative relation with the actuators.

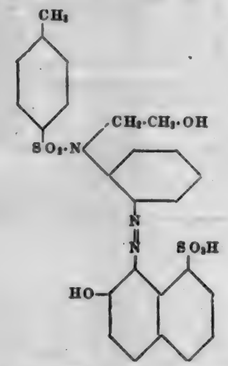
1,540,163. SPINNING MACHINE. JOHN G. CHAPMAN, Talladega, Ala. Filed Aug. 11, 1923. Serial No. 656,950. 11 Claims. (Cl. 242—43.7.)



1. In a spinning machine, a ring rail traverse cam, variable speed means for driving said cam, and means for automatically varying the speed of rotation of said cam to effect the building of a bunch.

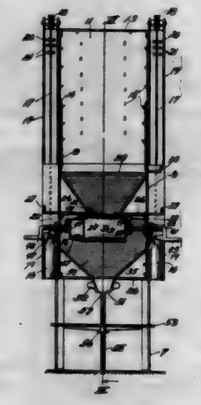
1,540,164. AMINOARYLALKYLTOLUOLSULFAMID AZODYES. HEINRICH CLINGESTEIN, Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Jan. 3, 1924. Serial No. 684,258. 2 Claims. (Cl. 260—44.)

2. The herein described new azodye having most probably the formula:—



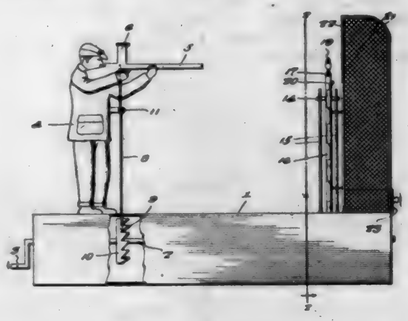
obtainable by combining the diazocompound of 2-aminophenyl-hydroxyethyl-para-toluolsulfamide with 2-naphthol-8-sulfonic acid, which dye is after being dried and pulverized in the shape of its sodium salt a red powder soluble in water with a yellow and in concentrated sulfuric acid with a reddish-yellow coloration; being split up upon treatment with stannous chlorid and hydrochloric acid into 1-amino-2-naphthol-8-sulfonic acid and 2-aminophenyl-hydroxethyl-para-toluolsulfamide; dyeing wool orange shades fast to milling, substantially as described.

1,540,165. BAG HOLDING AND MEASURING APPARATUS. JULIUS CYTRON, Tulsa, Okla. Filed Dec. 11, 1922. Serial No. 606,176. 2 Claims. (Cl. 221—107.)



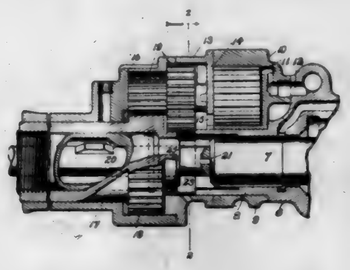
1. Measuring apparatus comprising a hopper having a discharge opening, a measuring device in receiving relation to said opening and comprising an approximately cylindrical vessel and a follower member telescoping within said vessel, means for independently adjusting said vessel and follower member for relatively moving the same to vary the measuring capacity of said vessel, said means being operable to rotate said measuring device into either receiving or discharging position.

1,540,166. SHOOTING GALLERY. FRANK D'ONOFRIO, Wilmington, Del. Filed Aug. 27, 1923. Serial No. 659,586. 2 Claims. (Cl. 273—101.)



1. A device of the class described comprising a hollow base, a figure representing a man with a gun, supported on the base adjacent one end thereof, a projector in the gun, a vertically arranged lever pivoted to a part on the figure with its upper end engaging the projector, a shaft passing through the hollow base and having a crank on its outer end, a cam on the shaft for rocking the lever, a movable target, means for supporting the same adjacent the other end of the base and means for moving said target from the shaft.

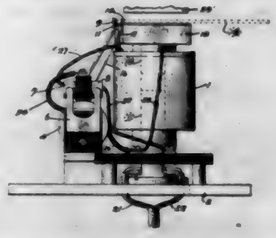
1,540,167. SCREEN FOR ROCK DRILLS. KENNETH O. DUNCAN, San Francisco, Calif., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Apr. 14, 1920. Serial No. 373,832. 5 Claims. (Cl. 121—6.)



1. The combination, in drilling apparatus, of a drilling motor, a chuck head on the front end thereof having an internal port and sockets formed directly in the walls on opposite sides of the same, a chuck in the chuck head, and a screen extending across the port and having terminal portions engaged in the sockets.

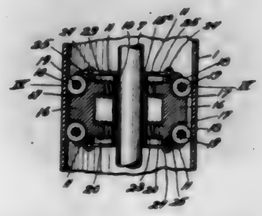
1,540,168. ELECTRICALLY-OPERATED STAMPING DEVICE. CHARLES S. DUTTON, San Francisco, and GEORGE H. DERRICK, Oakland, Calif. Filed Aug. 20, 1923. Serial No. 658,415. 4 Claims. (Cl. 101—257.)

1. In a device of the character described, a movable platform adapted to slidably support an object to be acted upon, a normally opened spring-controlled switch correlated to the platform and adapted to be disposed in the path of movement of said object to be acted upon, and a normally de-energized electro-magnet in circuit with such switch, said platform serving to permit the object to be acted upon to close the switch and energize



the magnet and then cause the platform to move said object away from the switch and permit the latter to open and again deenergize said magnet.

1,540,169. ROPE-KNIFE GUIDE. WILLIAM WALLACE DYMOND, Carbondale, Kans. Filed Apr. 5, 1923. Serial No. 629,986. 3 Claims. (Cl. 308—7.)



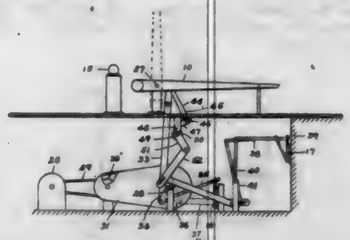
1. The combination with a well casing, of a rope-suspended tool within the casing, and a guide carried by the tool and comprising a body portion, spring-advanced carriers mounted in the body at diametrically opposite sides thereof, and a pair of rollers spaced vertically apart and journaled on and projecting beyond the carriers and engaging the casing.

1,540,170. ELECTRICALLY-PROPELLED TOY AUTOMOBILE. RALPH J. FRICK, Burlington, Iowa. Filed Jan. 24, 1923. Serial No. 614,631. 4 Claims. (Cl. 180—65.)



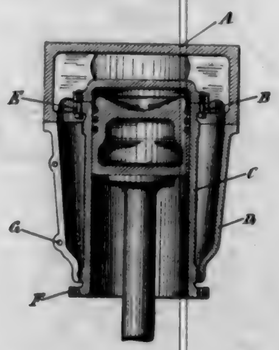
1. In an electrically controlled toy automobile, the combination of an electric propelling motor, a normally applied brake for arresting movement of the vehicle, an electric device for releasing said brake, an electric battery mounted upon the vehicle, conductors connecting said motor and said device in series and in circuit with said battery, and a spring-opened switch arranged in said circuit, said switch being positioned so as to be manually closed by the driver of the vehicle.

1,540,171. AUTOMATIC GATE TENDER. FREDERICK GEORGES and PIUS P. GEORGES, New Britain, Conn. Filed Feb. 27, 1923. Serial No. 621,642. 4 Claims. (Cl. 246—129.)



2. In an electrically-operated and train-controlled gate tender, a gate for being alternately lowered and raised by a swinging movement, a motor, a main shaft rotatively operated by said motor, a crank-arm on said main shaft operatively connected to said gate, a control switch for each movement of said gate, means for operating said switches from said main shaft, and contact rails, arranged in pairs, for individually closing the circuits for said switches, one pair of rails being on one side of the gate and another pair of rails being on the other side of the gate.

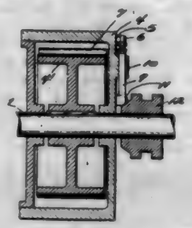
1,540,172. INTERNAL-COMBUSTION SINGLE-ACTING ENGINE CYLINDER. ISAAC CORNTHWAITE GREEN, Glasgow, Scotland, assignor of one-half to Frederick Ernest Rebbeck, Queen's Island, Belfast, Great Britain. Filed Dec. 14, 1923. Serial No. 680,764. 7 Claims. (Cl. 74—108.)



1. An improvement in motor cylinders for single acting combustion engines of that kind in which one end of the cylinder liner is connected with the cylinder cover so as to allow the liner to freely expand downwards, comprising, a cylinder cover, and a cylinder liner, each end of the liner being provided with means for fastening the liner to the cover.

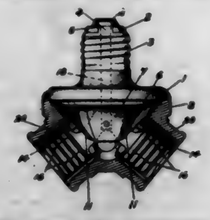
1,540,173. FRICTION CLUTCH. EDWARD LYTTON, London, England. Filed Oct. 31, 1922. Serial No. 598,167. 1 Claim. (Cl. 192—80.)

In a friction clutch of the kind herein referred to, a driving shaft having a driving member keyed thereto, a driven drum member having a slotted end, a clutch band extending round the driving member and having one of its ends secured to the driven drum, a two arm lever pivoted on one end of the drum, a pin having one of its ends fixed to one arm of the lever, said pin projecting laterally from the lever and through the slotted end of the driven drum and having its other end connected to the second end of the clutch band, and means for rocking the lever on its pivot and moving said pin along the slot for causing the clutch band to



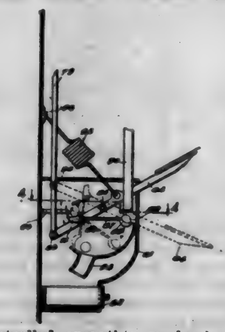
grip the driving member, said means comprising a collar slidably mounted on the driving shaft and having a coned extension, a guide on said drum end, and a bar traversing the guide, said bar having its ends engaging, respectively, said coned extension and the second arm of the lever.

1,540,174. CLUSTER PLUG. CHARLES STANLEY MALLETT, Toronto, Ontario, Canada. Filed Nov. 26, 1921. Serial No. 517,971. 3 Claims. (Cl. 173—335.)



3. In cluster plugs, the combination with a cover having lamp base receiving orifices, of segmental conducting contact pieces of resilient material sprung into slots in the orifices and constituting resilient contacts with the bases of the lamps inserted into such orifices, said contact pieces ribbed transversely, such ribs pitched at the same pitch as the threads of the lamp bases, and resilient raised portions on said contact pieces constituted by double slotting the same longitudinally and embossing the portions lying between said slots.

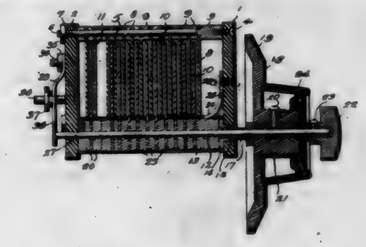
1,540,175. COIN-CONTROLLED OPERATING MECHANISM. ALEXANDER S. MANDEL, New York, N. Y. Original application filed Aug. 21, 1923, Serial No. 658,592. Divided and this application filed May 29, 1924. Serial No. 716,758. 2 Claims. (Cl. 194—58.)



1. A coin controlled operating mechanism comprising a lever fulcrumed intermediate its ends to swing about a horizontal axis, said lever being adapted for connection

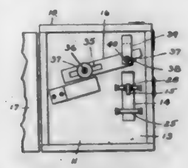
at one end with an operating rod, a tilt bar pivotally attached intermediate its ends to said lever at a point intermediate the fulcrum and said one end of the lever, said tilt bar having a coin receiving head at one end thereof, the opposite end portions of said tilt bar being balanced in weight, means for limiting the swinging movement of said tilt bar in respect to said lever, and a stop extending in the path of said tilt bar when the lever is in normal position and the tilt bar is in balanced position, said stop terminating short of the path of said tilt bar when the latter has been swung from balanced position by the weight of the coin on said coin receiving head.

1,540,176. CONDENSER. FRANK P. MARSH, New Haven, Conn. Filed June 23, 1922. Serial No. 570,396. 3 Claims. (Cl. 250—41.)



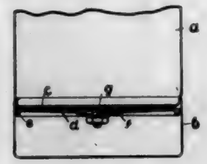
1. A condenser comprising a pair of end members formed of insulating material, posts connecting said end members, a plurality of stationary plates mounted on said posts, a shaft extending between said end members, collars mounted on said shaft, a sleeve mounted on said shaft and extending through one of said end members, movable plates arranged between said collars to turn therewith, a knob mounted on said sleeve, a shaft extending through said movable plates and said collars and adapted to rotate independently thereof, an independent movable plate secured to said shaft near one of said end members, and arranged between a pair of said stationary plates, and a collar secured to said shaft and arranged between said independent movable plate and the adjacent end member, said last named collar being secured to said shaft and contacting with said end member, said shaft having one end journaled in said sleeve and provided with a knob and its opposite end extending through and journaled in the opposite end member.

1,540,177. AUTO ALARM. JOSEPH MASSICOTTE, Waterbury, Conn. Filed June 22, 1923. Serial No. 647,153. 3 Claims. (Cl. 200—52.)



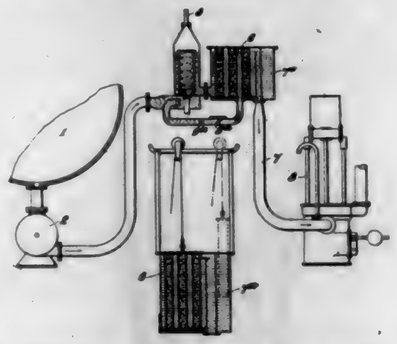
1. In a disturbance actuated circuit closer, a moving circuit closing member and a tripping device for actuating the same, said tripping device comprising a tripping member in the form of a bar-like device that is operatively supported by a pair of pins, said pins being in spaced relation, said bar-like device having a slot for one of said pins for permitting of longitudinal movement, the other of said pins being positioned at a higher elevation than said one pin, and said bar-like device having at the free end a bearing contact edge for resting upon said other pin.

1,540,178. ELECTRICAL COOKING APPARATUS. BRUNO MODELING, Berlin, Germany, assignor to the Firm of Auerlicht Gesellschaft m. b. H., Kommanditgesellschaft, Berlin, Germany. Filed Aug. 29, 1921. Serial No. 496,523. 3 Claims. (Cl. 219—44.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an electrical heating apparatus having a heating body and a surface to be heated to which the heating body is applied, a pressure plate previously being slightly conical and bearing only on the edge before being tightened up and means for forcing said pressure plate against said heating body so as to assume a plane shape bearing on the whole lower surface of said heating body.

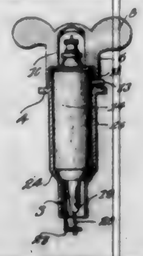
1,540,179. APPARATUS FOR THE DEAERATION OF BOILER-FEED WATER. DONALD BARNS MORISON, Hartlepool, England. Filed Sept. 21, 1921. Serial No. 502,188. 6 Claims. (Cl. 210—14.)



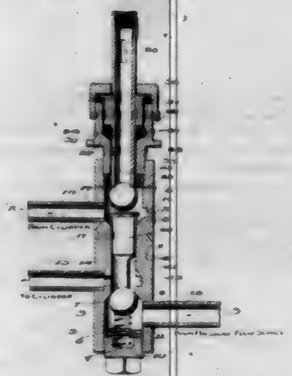
1. Apparatus for degassing boiler feed water, comprising a vessel into which the water to be treated flows, means for heating the water in said vessel, whereby the bulk of the contained gases are liberated, means for recirculating partially treated water back again to the inlet to said vessel, an outlet for the escape of the liberated gases from said vessel, a second vessel having an inlet to which the partially degassed water flows, an outlet from said second vessel, and means for supporting oxidizable material within said vessel between the inlet thereto and the outlet therefrom, whereby the partially degassed water is finally deoxidized during its passage through said second vessel.

1,540,180. THREADLESS SPARK PLUG AND ADAPTER THEREFOR. HARRY MUNROE, New York, N. Y. Filed July 25, 1923. Serial No. 653,733. 2 Claims. (Cl. 123—169.)

1. In a device of the character described, an adapter having a circumferential flange, spaced screw threaded projections extending above said flange, a threadless spark plug arranged within said adapter and having one end projecting therefrom, a coupling or cap member adapted to enclose said projecting end of the spark plug, downwardly extending, spaced, screw-threaded projections carried by said cap member and adapted to engage the projections on said adapter, a gasket surrounding said spark plug, and shoulders carried by said cap member adapted to automatically engage said gasket when the cap member is secured in position to effect a gastight connection.

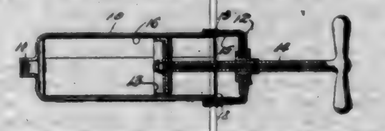


1,540,181. VALVE FOR CYLINDERS. HILMER OLSON, Hoquiam, Wash. Filed Nov. 6, 1924. Serial No. 748,242. 6 Claims. (Cl. 277—20.)



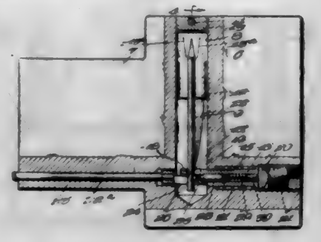
1. A valve comprising a tubular casing having a pair of valve compartments at the opposite ends thereof and a passage extending between and connecting said valve compartments, said valve compartments having seats for valves at their adjacent ends, each valve compartment having an inlet and one of said valve compartments having an outlet, said tubular casing also having an outlet communicating with said passage intermediate of said valve seats, two valves respectively disposed in said compartments for engagement with said seats, motion transmitting means between said valves for holding one of said valves away from its seat when the other of said valves is in engagement with its seat, and means for controlling flow of fluid through the outlet of said one valve compartment.

1,540,182. GREASE CONTAINER. LOUIS T. OUTHIER and EDWARD P. MALONE, Eureka, Calif. Filed Sept. 14, 1922. Serial No. 588,170. 1 Claim. (Cl. 206—56.)



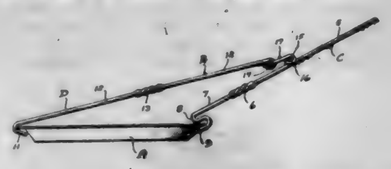
A grease cartridge including a cylinder formed from a single length of material with the adjacent edges free and unattached, one end of the cylinder being offset outwardly to form a shoulder having a flange extending beyond the shoulder.

1,540,183. DEPTH GAUGE. GUSTAV C. PEARSON, Denver, Colo., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Aug. 29, 1921. Serial No. 496,361. 6 Claims. (Cl. 33—172.)



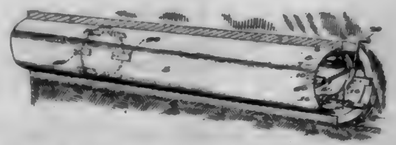
3. In a gauge of the character set forth, the combination with a body casing, of an indicator therein, a fulcrum member engaged with the indicator, an operating device also engaged with the indicator, and a spring device forming the indicator and operating device, said spring device being carried by the fulcrum member and bearing against the operating device.

1,540,184. PAN-HANDLING TOOL. DENTON REINMILLER, Racine, Wis. Filed Jan. 31, 1925. Serial No. 5,965. 2 Claims. (Cl. 294—28.)



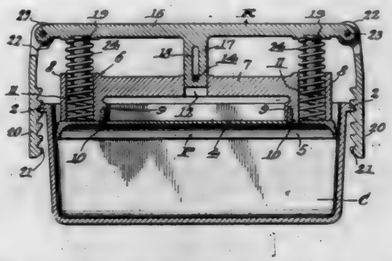
1. A pan handling tool comprising, a handle portion formed of a single piece of wire bent substantially upon itself intermediate its ends for forming a handhold, and having its oposite end formed into S-shaped rim engaging hooks; a spanner arm formed of a single piece of wire bent substantially upon itself intermediate its ends, having a hook formed at one end thereof, and spaced apart eyes formed at its opposite end; a hinge disposed transversely of the handle portion at a point substantially midway thereof; and a bail pivotally mounted on said hinge pin and having a cross arm for receiving the eyes of said spanner arm.

1,540,185. MOLD. CLAUDE G. RICHARDS, Bolckow, Mo. Filed July 21, 1924. Serial No. 727,346. 9 Claims. (Cl. 25—128.)



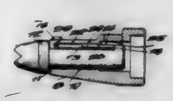
1. A collapsible mold comprising a longitudinally split body, strengthening and reinforcing members secured to the meeting edge portions of said body and having inwardly extending strain resisting flanges contacting with each other and having openings adapted for alinement, and locking levers connected to one of said flanges at points spaced along the same and having locking pins to extend through said openings to connect said flanges, there being means to simultaneously operate said levers.

1,540,186. MEAT COMPRESSOR. ALEXANDER RIEPEL and LOUIS C. LIEDTKE, Chicago, Ill. Filed Feb. 24, 1925. Serial No. 11,231. 1 Claim. (Cl. 100—57.)



In a device of the class described, a container, a pressure member comprising a foot plate located in the container and a bridge carried by the foot plate, a retainer having a finger slidable in the bridge, means for limiting the sliding movement of the finger in the bridge, compression spring means interposed between the retainer and the pressure member, and latches carried by the retainer and engaging the container.

1,540,187. DRILL SHARPENER. PETER H. SCHEIB and HJALMER C. GUSTAFSON, Denver, Colo., assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,705. 3 Claims. (Cl. 76—5.)



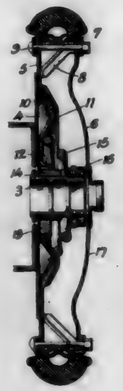
1. In apparatus of the character set forth, the combination with a fluid operated dollying hammer, of a dolly holder comprising a body having a dolly-receiving seat, a dolly that movably and detachably engages in the seat, a retainer for the dolly detachably mounted on the body, and dolly return means acting in opposition to the hammer and carried by the detachable retainer.

1,540,188. RAILROAD RAIL. PETER G. SEIGLE and GEORGE E. DEAN, Scranton, Pa. Filed Oct. 24, 1923. Serial No. 670,469. 3 Claims. (Cl. 238—145.)



1. A railroad rail including companion alined base sections, companion alined head sections supported by the base sections in mating relation and having the joints therebetwen staggered with respect to the joints between the base sections, the head and base sections being provided one with web plates as well as with a reduced channel between the base portions of said plates and the other with a web accommodated between said plates in spaced relation thereto fitting in said channel, and expansion beads carried by said web to bear between said plates.

1,540,189. COMBINED TRANSMISSION AND BEARING. BENJAMIN F. SEYMOUR, Washington, D. C. Filed Nov. 26, 1923. Serial No. 677,125. 12 Claims. (Cl. 152—44.)



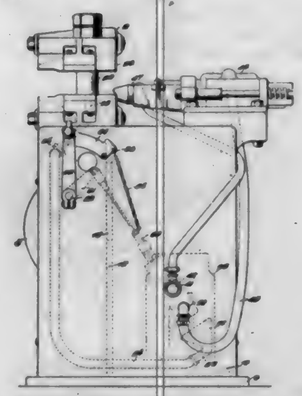
1. In a combined resilient transmission and bearing for vehicle wheels, the combination of a hub portion, a wheel rim mounted to have limited relative movement thereon, and cone elements eccentrically arranged cooperable therewith.

1,540,190. ANTISKID CHAIN. RAYMOND SHUB, Lemoyne, Pa. Filed Nov. 4, 1924. Serial No. 747,857. 4 Claims. (Cl. 152—14.)



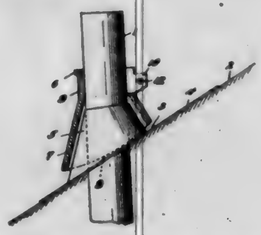
1. A unit anti-skid chain comprising a main body and a pair of branches extending from one end of the body, said main body being long enough to surround a wheel felly and tire, and said branches being of such length as to jointly encircle a wheel spoke, one of said branches having at its end a key-hole shaped link comprising a relatively large bore and a contracted portion or slot, and the other branch having at its end an elongated flat link through which the said keyhole link can pass, and the other end of the chain body comprising links capable of passing through the large portion or bore of the keyhole link, and constructed to engage and interlock with the slotted portion thereof.

1,540,191. DRILL-STEEL-SHARPENING APPARATUS. ARTHUR H. SHAMB and OMAR E. CLARK, Denver, Colo., assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo., a Corporation of Delaware. Filed Apr. 24, 1923. Serial No. 634,295. 14 Claims. (Cl. 76—5.)



1. In a drill sharpening apparatus, the combination with a hollow base having a bottom and a top that constitutes a platform and providing a chamber therebeneath having an open side, of a fixed die on the platform, a movable die cooperating with the fixed die, a carrier for the movable die extending downwardly into the chamber, a cylinder member mounted upon the bottom and located in the chamber, said cylinder member being accessible and removable through the open side, a piston in the chamber, and means in the chamber connecting the piston and carrier to operate the latter by the former.

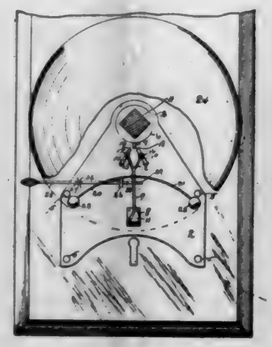
1,540,192. ROOF COLLAR. ADOLPHUS R. SMITH, Norfolk, Va. Filed May 22, 1923. Serial No. 640,807. 1 Claim. (Cl. 285—21.)



A roof collar made of a single piece of lead cast into shape to provide a skirt and a band, the band being provided with a lug which is slit to provide two ears, the collar being applied in position by first pulling apart the band to open up the slit and a bolt passing through apertures in the ears for drawing the ears together to contract the band to hold the collar in position.

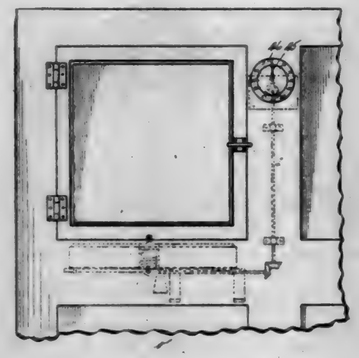
1,540,193. ALARM. THOMAS SWANN SMITH, Edmond, Okla. Filed Jan. 12, 1925. Serial No. 1,924. 2 Claims. (Cl. 116—96.)

1. In combination with a lock and the knob bolt thereof, a ring, a lug thereon, the former being on the bolt and both the ring and lug turning therewith, a flexible elongated shank, a plate upon which the flexible elongated shank is disposed, and which surrounds the knob bolt, forks radiating from the upper end of said shank, triggers on said forks to co-operate with the lug when the knob bolt is turned, lateral levers connected



to the spring actuated shank and operated thereby to freely ring a bell, a bell, and means so cooperating with the shank that the bell will not ring at will.

1,540,194. ICE-WEIGHING DEVICE. WALTER E. SWINSCOE and GEORGE L. COLLINS, Waco, Tex. Filed Apr. 17, 1922. Serial No. 553,999. 5 Claims. (Cl. 265—65.)

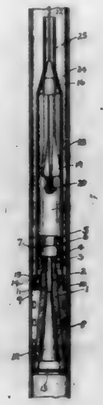


1. In an ice weighing device for installation within a refrigerator, a pair of fulcrumed rocking members, an ice supporting tray mounted upon said members for rocking the same when loaded, a pair of balance beams in engagement and attached to said rocking members to be swung thereby, a counter-balance connected with one of the beams an arm extending from the counter-balanced beam, a crank shaft connected with said arm, and an indicator connected with and operated by the crank shaft.

1,540,195. WELL-PACKER PLUG. HOMER C. THRIFT, Houston, Tex. Filed Apr. 6, 1923. Serial No. 630,189. Renewed Jan. 5, 1925. 11 Claims. (Cl. 166—13.)

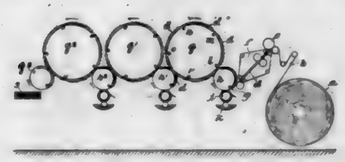
6. In a device of the character described, a central tubular mandrel, packing means on the outer surface

thereof, means comprising a tapered ring connected to said mandrel to protect said packing while said plug



is being introduced into the well, and additional means to disconnect said protecting means and expand said packing.

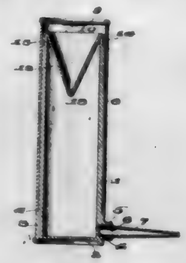
1,540,196. PRESS FOR PRODUCING MULTICOLORED PRINTS FROM COPPER CYLINDERS. FRIEDRICH O. v. TRAITTEUR, Frankenthal, Germany. Filed Mar. 12, 1925. Serial No. 15,154. 1 Claim. (Cl. 101—152.)



In a multi-color printing press, the combination of a pair of successive impression cylinders, a device for feeding sheets of paper to the first impression cylinder, a transfer cylinder for feeding the sheets from said impression cylinder to the other one and disposed between the two, a gripping device carried by each impression cylinder, and a plurality of gripping devices carried by the transfer cylinder; the successive gripping devices carried by the transfer cylinder being spaced apart a distance slightly greater than half the circumference of the impression cylinder, so that during each revolution of the transfer cylinder certain only of its gripping devices will be in position to remove sheets from the first impression cylinder to the exclusion of the remaining gripping devices, the gripping devices excluded during each revolution removing sheets from the said first impression cylinder during the next revolution of the transfer cylinder.

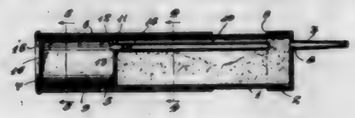
1,540,197. INSECTICIDE CONTAINER AND DISTRIBUTOR. ALBERT P. TREADWELL, Atlanta, Ga., assignor of one-half to Josiah Flournoy, Columbus, Ga. Filed Sept. 24, 1924. Serial No. 739,721. 1 Claim. (Cl. 43—147.)

In an insecticide container and distributor, a container section comprising a tubular body closed at its forward end and provided with an outlet adjacent to its forward end, said tubular body being reduced externally adjacent to its rearward end, a funnel-shaped closure member adapted at its wider end to fit within the rearward end portion of said body and having at its wider end a flange adapted to fit on the externally reduced



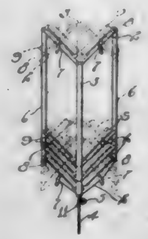
rearward end portion of the body, and an air displacing section having a tubular body fitting slidably on the body of the container section and having an end member at its rearward end.

1,540,198. INSECTICIDE CONTAINER AND DISTRIBUTOR. ALBERT P. TREADWELL, Atlanta, Ga., assignor of one-half to Josiah Flournoy, Columbus, Ga. Filed Sept. 24, 1924. Serial No. 739,722. 1 Claim. (Cl. 43—147.)



An insecticide container and distributor comprising a container section having the forward end portion thereof provided with an outlet, a blow tube extending through the rearward end portion of the container section longitudinally thereof, an air displacing section having a tubular body slidably fitting on said container section and having a closure for the rearward end thereof, and a forwardly opening check valve in the rearward end portion of said tube.

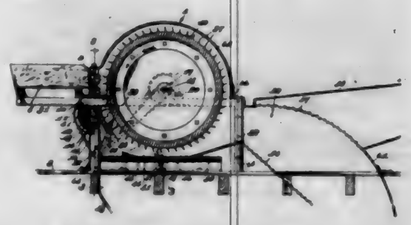
1,540,199. EGG-TURNING DEVICE FOR INCUBATORS. HENRY H. TREFFER, Davenport, Iowa. Original application filed July 3, 1922, Serial No. 572,503. Divided and this application filed Jan. 27, 1923. Serial No. 615,349. 1 Claim. (Cl. 119—44.)



In a device of the type described, a vertically extending bar, a plurality of horizontally extending frames having their inner ends pivotally secured to said bar, and being disposed on each side of said bar, egg trays

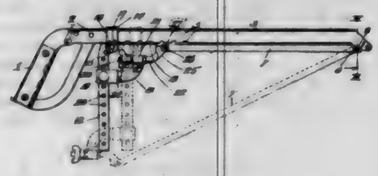
removably carried by said frames, the outer ends of said frames being operatively connected together, and links secured to certain of said frames and being adapted to support the frames.

1,540,200. MOSS-CLEANING APPARATUS. WESLEY DEUSETTE TYLER, Pinquemine, La. Filed June 12, 1924. Serial No. 719,686. 16 Claims. (Cl. 19—65.)



1. Apparatus of the character described comprising a plurality of cleaning machines for separating the refuse from moss, means associated with each machine against which the moss is discharged, means including exhaust fans for then withdrawing dust from the moss, means upon which the refuse falls from each machine and slides by gravity to a common point, and means operating beneath said point for conveying the refuse to a place of discharge.

1,540,201. HACK SAW. ALBERT G. VOLTZ, Tulsa, Okla. Original application filed Mar. 20, 1922, Serial No. 545,153. Divided and this application filed Mar. 19, 1923. Serial No. 625,964. 4 Claims. (Cl. 195—34.)



1. A hack saw comprising a back having a handle at one end and a transverse pin at the other end, an arm depending from the back intermediate the handle and said pin, an angle bracket mounted on said depending arm and adjustable toward and from the back, a saw blade pivoted at its front end on said pin, and a holder pivoted to the rear end of the saw blades and longitudinally adjustable relative to the back, on the angle bracket, to tension the blade and to accommodate adjustments of said angle bracket toward and from the back.

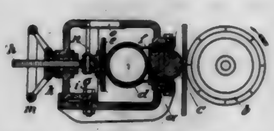
1,540,202. TOILET ARTICLE. MARIUS ZERILLI, Glendale, N. Y., assignor to Lew Joseph, New York, N. Y. Filed Mar. 1, 1924. Serial No. 696,128. 3 Claims. (Cl. 45—98.)

1. A toilet article having a back plate formed with a body section and a handle section, a front plate having an open body section and a handle section, an intermediate open frame extending around and between the outer margins of said back plate and front plate with its outer wall in line with the edges of said plates, a sheet of weighting material and a sheet of filling material within the body and handle portions of said intermediate frame of smaller area than that of said back plate, a toilet accessory within said open intermediate frame with its outer margin beneath the inner margin of the opening of said front plate and a sheet of filling material



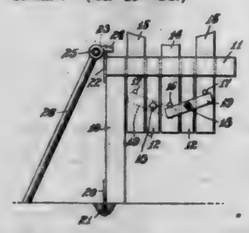
within the handle portion of said open intermediate frame in line with said toilet accessory and of substantially equal thickness therewith.

1,540,203. SKIN REST. BRUNO PAUL BOHACEK, Frankfort-on-the-Main, Germany, assignor to The Corporation of Maschinenfabrik Moenus A.-G., Frankfort-on-the-Main, Germany. Filed Aug. 24, 1921. Serial No. 495,091. 13 Claims. (Cl. 149—12.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L. 1313.)



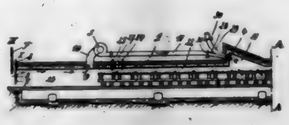
2. In a machine as specified in claim one a series of individually controllable means to apply different pressures to different points of the pneumatic tube and to flatten the same to a different degree against different points of the rear face of the said ledge.

1,540,204. CAPPING HORSE. WILLIAM R. CANNON, and ELMER DAVIS, Okmulgee, Okla., assignors to Baker Brothers Glass Company, Okmulgee, Okla., a Corporation of Indiana. Filed Feb. 13, 1925. Serial No. 8,950. 7 Claims. (Cl. 49—14.)



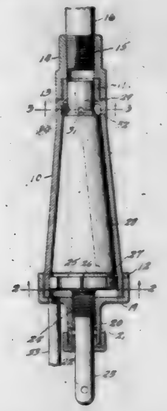
1. A capping horse unit comprising a support, a group of vertically movable fingers forming a transverse hammock, and inter-connections between said fingers whereby movement of one of said fingers in one direction will cause movement of other of said fingers in the opposite direction.

1,540,205. FURNACE FOR THE DIRECT REDUCTION OF METALLIC ORES. ARTHUR JULES FRANCOIS JOSEPH COUSIN, Jemeppe-sur-Meuse, Belgium, assignor to Société Anonyme John Cockerill, Seraing, Belgium, a Company of Belgium. Filed Mar. 14, 1923. Serial No. 624,946. 3 Claims. (Cl. 263—28.)



1. In a furnace of the kind described, a tunnel, a movable hearth, means whereby the said hearth is run continuously through the tunnel, a door closing the entrance of the tunnel above the movable hearth, a damper extending transversally above the movable hearth, a preparation zone comprised between the said door and damper, a pair of dampers extending transversally above the movable hearth, combustion zones comprised between the first damper and the said pair of dampers, each of the said combustion zones comprising inclined burners, whereby the flames of the said burners are projected directly towards the surface of the movable hearth, a damper closing the tunnel above the movable hearth, a cooling zone comprised between the pair of dampers and te closing damper, and a blower drawing air from the said cooling zone and forcing said air to the burners.

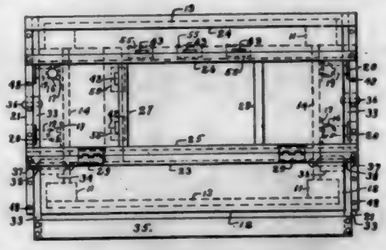
1,540,206. BLEEDER FOR LIQUID-STORAGE TANKS. CHARLES S. CRICKMER, Dallas, Tex., assignor to Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Feb. 23, 1924. Serial No. 694,806. 12 Claims. (Cl. 210—51.)



1. In a tank bleeder, a housing having an inclined inner wall, and a member having an inclined outer wall contiguous to the inner wall of the housing to form a seal channel therebetween.

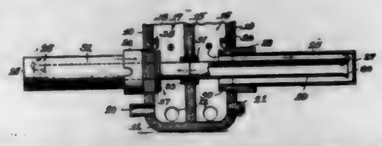
1,540,207. STENCIL-OPERATING MACHINE. CHARLES ECKMAN, Roselle Park, N. J. Filed Sept. 15, 1924. Serial No. 737,783. 9 Claims. (Cl. 101—126.)

1. In a stencil operating machine a table for feeding thereon sheets of material, a stencil frame, a pair of movable supports therefor, situated at the opposite sides of said table and rigidly connected to each other, a means for raising and lowering said supports with said frame thereon, guide rods secured to each of said supports, to move therewith, and a means for keeping the



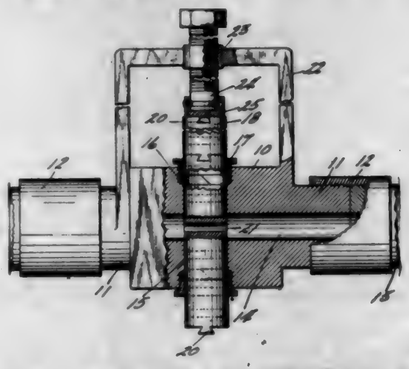
motion of said rods vertical secured to said table, thereby keeping said frame in all positions thereof parallel to said table.

1,540,208. HEAT-EXCHANGE UNIT. JOHN EDWARD ENCANBRACK, Chicago, Ill., assignor of one-third to George F. Paul and one-third to Ralph N. Hartwick, both of Chicago, Ill. Filed Aug. 4, 1923. Serial No. 655,664. 8 Claims. (Cl. 257—254.)



3. A heat exchange unit comprising a hollow casing, a central partition dividing the interior thereof into side-by-side headers, said partition and the adjacent opposite walls of said casing provided with aligning apertures, a plurality of tubes mounted in the apertures of said partition and carried thereby and extending from opposite sides of said partition through the respective apertures in said casing, and a plurality of cylinders having open ends secured to the respective apertures and surrounding said tubes upon the exterior of said casing whereby fluid from one header is conveyed to the other header through the partition by the medium of said tubes in conjunction with said cylinders.

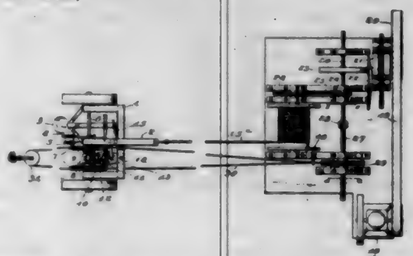
1,540,209. CHOKE VALVE. CHARLES E. FRASIER, Dallas, Tex. Filed May 10, 1923. Serial No. 637,967. 7 Claims. (Cl. 251—55.)



1. In a choke valve for oil pumping lines, a valve casing having a longitudinal passage and a vertical bore intersecting the passage, a plug element slidable through

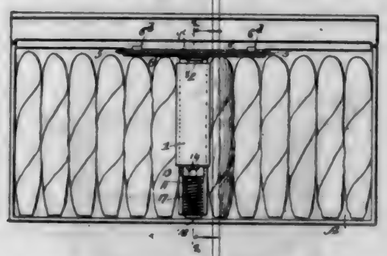
the bore and comprising replaceable plug members adapted to be ejected from the bore, said plug members each having transverse ports, and means for pushing the plug element through the bore.

1,540,210. PLANTING MACHINE. JOHN W. FURMAN, Point Township, Northumberland County, Pa. Filed May 25, 1922. Serial No. 563,567. 2 Claims. (Cl. 104—169.)



1. A traction apparatus comprising a truck, a stationary motor, a drum, a cable connecting the drum with the truck, speed changing gearing between the motor and drum, a device for adjusting said gearing to vary the speed of the drum including a sheave, a cable extending from the truck to said sheave and back to the truck, sheaves on the truck for winding and paying off the latter cable, and gearing on the truck for connecting either of the latter sheaves in driving relation with the truck wheel.

1,540,211. HUMIDOR. HENRY J. GAISMAN, New York, N. Y. Filed July 11, 1922. Serial No. 574,326. 12 Claims. (Cl. 131—30.)



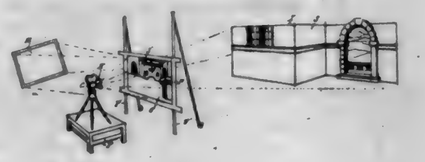
1. A humidor comprising a container, an absorbent material, means to support the absorbent material along a box wall, and means to maintain the container in operative relation to the absorbent material between the box walls.

1,540,212. FOLDING COT AND THE LIKE. JOSEPH GANNON, Walton, N. Y. Filed Jan. 24, 1922. Serial No. 531,846. 2 Claims. (Cl. 5—115.)



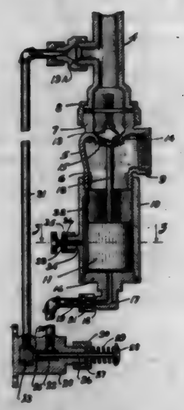
1. In a folding cot bed, a plurality of pairs of transversely extending legs, a pair of braces pivotally connecting each set of adjacent pairs of legs at the ends thereof, each pair of braces having a slot intermediate the ends thereof, a U-shaped collar slidably engaging the outer face and adjacent edges of each of said braces and a bolt extending through said slots and said collars for securing the collars to the braces.

1,540,213. METHOD OF MAKING MOTION PICTURES. OSCAR R. HAMMERAS, Los Angeles, Calif. Filed Mar. 8, 1923. Serial No. 622,528. 7 Claims. (Cl. 88—16.)



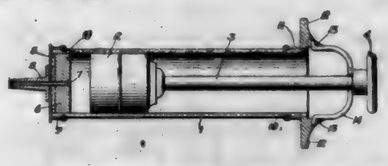
1. The method of making moving pictures which consists in placing a transparent sheet of material in the foreground of a "set" of fixed scenery, marking on the transparent element the outlines of the fixed scenery, painting on the transparent element scenery which is complementary to the fixed scenery, and photographing the painted scenery on and the fixed scenery through the unpainted portion of the transparent element in a single exposure.

1,540,214. FLUSH VALVE. HAVARD F. HUDSON, Wichita, Kans. Filed July 28, 1923. Serial No. 654,346. 3 Claims. (Cl. 137—68.)



1. A flushometer comprising a body member formed in the shape of a T, said member having two axially aligned openings, and a third opening communicating with the first-mentioned openings, a conical valve seat in one of said aligned openings, a valve member co-operatively related to the valve seat, the opening having the valve seat being adapted to have the water supply pipe connected thereto, a cylinder connected to the body member, a piston in said cylinder, means for operatively connecting the piston and the valve member, a cylinder head secured to said cylinder, a pipe connecting the space between the end of the piston with the supply side of the valve, a normally closed valve in said pipe, said cylinder wall having a groove on its inner surface and a screw operatively associated with said groove for the purpose of adjusting the effective area thereof.

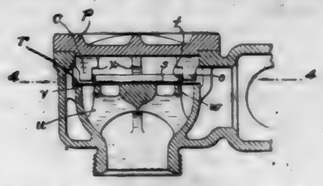
1,540,215. **SYRINGE.** ROBERT E. KLETT, Ridgewood Park, N. J., assignor to Klett Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 12, 1920. Serial No. 365,177. 10 Claims. (Cl. 128—234.)



1. In a syringe having a non-metallic barrel, a groove adjacent the end thereof, a band fitting in said groove, a ferrule fitting over said band, and means securing the ferrule and the band.

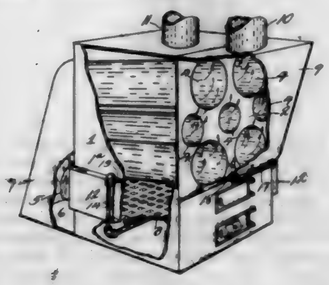
9. A syringe comprising a non-metallic barrel, and end fused therein, a plug having a ground fit, and a nozzle passing through the plug and the end.

1,540,216. **CHECK-VALVE MECHANISM.** STRICKLAND L. KNIGHT, Philadelphia, Pa., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 10, 1922. Serial No. 551,091. 5 Claims. (Cl. 277—44.)



1. A valve mechanism interposed between a source of pressure fluid supply and a pressure fluid reservoir comprising a valve-body, a septum dividing the body into inlet and outlet chambers and provided with an annular opening circumscribed by concentric raised seats, and a light resilient annular valve, said valve adapted to flex under superimposed pressure to conform to said seats and bear on the surfaces thereof.

1,540,217. **FURNACE.** CHRISTIAN A. LAUSEN, Council Bluffs, Iowa. Filed June 17, 1924. Serial No. 720,606. 4 Claims. (Cl. 126—113.)

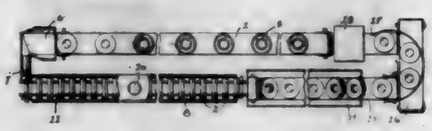


1. The combination with a hot air furnace, said furnace comprising a casing, a fire box having a grate therein, and flues above said fire box, of means for supplying aqueous vapors and steam to the fire box, said means comprising water jackets carried by the casing and heated by the fire box and means for conveying the aqueous vapors and steam from the water jackets and discharging the same beneath the grate.

1,540,218. **PROCESS OF REFINING MINERAL OILS.** WILLIAM T. MALONEY, Olean, N. Y. Filed Mar. 18, 1924. Serial No. 700,167. 10 Claims. (Cl. 196—41.)

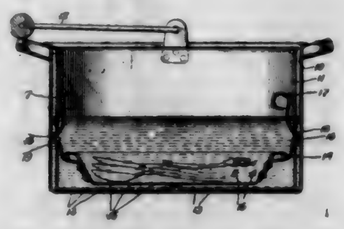
1. The process of making transformer oil which consists in exposing mineral oil to the action of an oxygen containing gas to oxidise the sludging components, and adding an alkaline reagent to precipitate the oxidised substances.

1,540,219. **VULCANIZING APPARATUS.** CARMON A. MYERS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Jan. 17, 1921. Serial No. 437,791. 4 Claims. (Cl. 18—4.)



1. A vulcanizing apparatus for use with molds embodying annular mating sections comprising, an elongate heating chamber having an entrance end, co-operating conveyor elements operable to transport the molds in a substantially horizontal plane toward the entrance end of the chamber said conveyors embodying means for separating and assembling the respective sections of certain molds as they are being transported, a conveyor adapted to traverse the chamber, and a chute adapted to feed the assembled molds from said first conveyors to said second conveyors and to turn them into an upstanding position during such feeding operation.

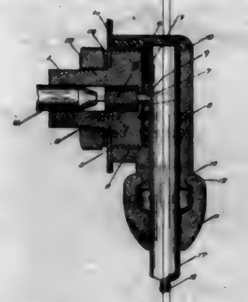
1,540,220. **SILVER-CLEANING APPARATUS.** ANDREW W. NELSON, Terre Haute, Ind., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind., a Corporation of Indiana. Filed Jan. 22, 1925. Serial No. 3,918. 2 Claims. (Cl. 207—7.)



1. In a metal cleaning apparatus, the combination of an outer vessel having a nonmetallic surface, an inner vessel of smaller diameter fitting therein and having a perforated bottom and a circumferential groove in the side thereof and a perforated aluminum plate fitting into said groove by spring members attached to said plate.

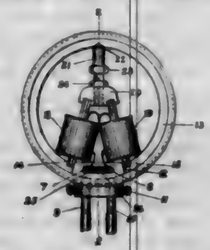
1,540,221. **BINDING POST FOR ELECTRIC CABLES.** EDWARD B. NOWOSIELSKI, Newark, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Sept. 24, 1920. Serial No. 412,441. 2 Claims. (Cl. 173—340.)

1. A quick detachable binding post comprising a female member provided with a cable receiving bore, another bore at an angle to the same, a partition separating said bores, said partition being formed integral with the female member, an end being provided with a centrally located aperture, a male member of insulating material fitting snugly into the last mentioned bore, a tapered conducting pin embedded within said male member and passing through the aperture in the partition,



said male member having an extension to receive and support a conductor in end to end contact with said tapered pin as and for the purpose described.

1,540,222. **RECEIVER.** EDWARD B. NOWOSIELSKI, Bloomfield, N. J., assignor to Splitdorf Electrical Company, Newark, N. J. Filed Apr. 12, 1922. Serial No. 551,878. 13 Claims. (Cl. 179—114.)



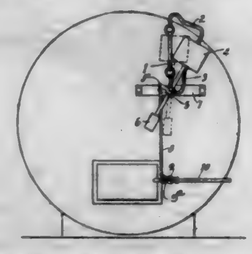
1. In a device of the class described, a casing consisting of, a body and an ear piece with a diaphragm associated therewith, a magnet having pole pieces abutting against its extremities, said pole pieces extending toward the central portion of the casing into operative relationship with the diaphragm and having windings thereon and means pressing against said pole pieces at points near the central portion of the casing for holding them securely against the magnet ends.

1,540,223. **DOCTOR FOR CALENDER ROLLS.** OTTO QUANTZ, Philadelphia, Pa., assignor to Dill and Collins Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 26, 1922. Serial No. 584,394. 11 Claims. (Cl. 92—74.)



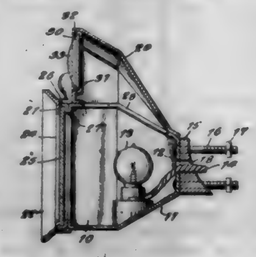
10. In a doctor for calender rolls, the combination of a pad which is adapted to contact with the surface of a calendar roll to clean the same, a plate upon the top side of which the said pad is secured, the inner edge of which plate is in parallel relation to the surface of the adjacent calender roll, an angle iron supported upon the upper side of the rear edge portion of said plate, the inner flange of said angle iron being vertical to the said plate, a clamping plate for clamping the said pad to the said pad supporting plate, means arranged at intervals for pivotally connecting the said clamping plate to the said angle iron, springs arranged at intervals for pressing the inner edge portion of the said clamping plate yieldingly against the said pad, arms situated in spaced relation to each other and pivotally supported upon stationary pivots at their lower ends, and means for pivotally connecting the upper ends of said arms to the opposite end portions of the said pad supporting plate.

1,540,224. **AUTOMATIC FUEL CUT-OFF FOR STEAM BOILERS.** THOMAS H. ROLAND, San Diego, Calif. Filed Sept. 22, 1921. Serial No. 502,522. 2 Claims. (Cl. 122—504.)



1. An automatic fuel cutoff for steam boilers, including a boiler, a supporting member, a supporting lever pivotally mounted thereon adapted to assume a nearly vertical position, a water receptacle mounted on the one end thereof, a weight mounted on the other end thereof said weight normally overbalancing said water receptacle, flexible water conductors communicating with said receptacle and with the water gage of said boiler, a fuel feed controlling valve, means connecting said fuel controlling valve with said lever comprising an arm extending from said lever and a connecting rod connecting the extended end of the arm with said lever and said valve.

1,540,225. **AUTOMOBILE LICENSE LAMP.** RICHARD MICHAEL RYAN, St. Louis, Mo. Filed Feb. 24, 1922. Serial No. 538,930. 3 Claims. (Cl. 40—132.)

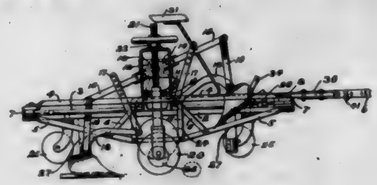


1. An automobile license lamp including a lamp casing having a front opening, a closure for the said opening including a transparent license plate and a door hinged to the casing adjacent the side of the opening, the said door presenting vertical guides open at the top to receive the said plate therein, and a resilient strip projecting horizontally from the casing adjacent the upper edge of the opening to engage over and press upon the upper edge of the said license plate when the said door is closed, said strip having a depending shoulder engageable with the inner face of the said plate for pressing outwardly against the same.

1,540,226. PROCESS OF BEATING STUFF FOR THE MANUFACTURING OF PAPER IN CONICAL STUFF BEATERS, AS JORDAN ENGINES, MARSHALL ENGINES, ETC. ANDERS EMIL RYBERG, Drammen, and PEDER CHRISTIAN SCHAANNING, Christiania, Norway. Filed Nov. 4, 1922. Serial No. 598,987. 1 Claim. (Cl. 92—27.)

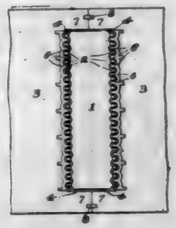
In the process for beating paper-stuff the introduction of compressed air into the paper-stuff before of during its admission into the conical beater.

1,540,227. SCALE BALANCE, AUTOMATIC LIFT, TWO-WAY RIDING PLOW. LEE W. SANDERS, Burley, Idaho. Filed Mar. 14, 1923. Serial No. 624,965. 4 Claims. (Cl. 97—27.)



1. In a plow of the class described the combination of a pivot tongue; a vertical king bolt on which the end of said tongue is pivoted; a bevel gear secured on the end of the tongue and carried on said king bolt; a segment gear with teeth meshing with the teeth of said bevel gear; a horizontal shaft on which said segment gear is journalled; a lift shaft in which said horizontal shaft is carried and to which said segment gear is secured; a balance arm secured on said lift shaft; and plows operatively connected with said balance arm.

1,540,228. BOOK COVER. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Oct. 29, 1924. Serial No. 746,585. 5 Claims. (Cl. 281—4.)



3. A book cover comprising a metal back having along its edges hinge elements, and flexible side covers that are longer than said back and are cut away at their inner portions to form recesses, the inner edges of said recesses being of substantially the same length as that of said back and having hinge elements secured thereto, which are connected with the hinge elements of said back, said covers having portions that extend across the back of the book immediately beyond both ends thereof.

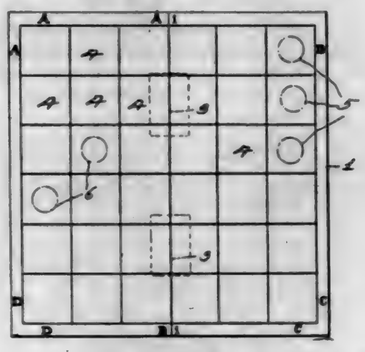
1,540,229. SOUND REPRODUCER. HANS SCHARF, Berlin, Germany. Filed Oct. 27, 1923. Serial No. 671,148. 3 Claims. (Cl. 181—31.)

1. A sound reproducer comprising a vibratory diaphragm, a sheet of resilient material engaging and extending over one face of the diaphragm and beyond the periphery thereof, and a support encircling the dia-



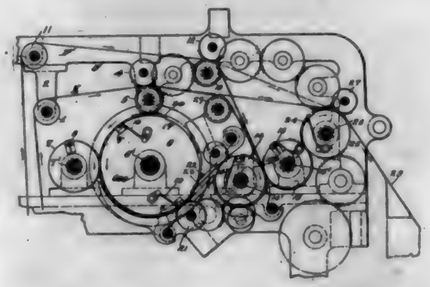
phragm and of greater size than the diaphragm, said sheet adjacent its periphery being secured to said support.

1,540,230. GAME. THEODORE H. SCHROR and GEORGE L. SCHROR, Albion, N. Y. Filed Sept. 12, 1922. Serial No. 587,697. 1 Claim. (Cl. 273—130.)



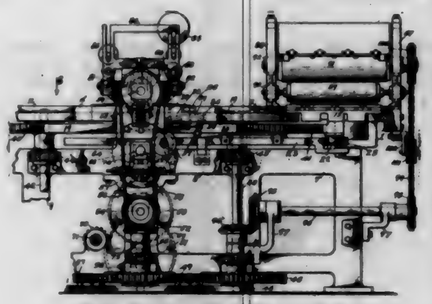
A game comprising a game board, a plurality of spaces carried by the game board, said spaces being six in alignment at right angles and adapted to receive ten discs, said discs being adapted to be aligned by opposing players, with the object of securing a straight line of six discs entirely across the board at a right angle to the direction of play of opponent without being blocked by the opposing player, said players playing at right angles to each other.

1,540,231. ASSOCIATING MECHANISM. EDWARD P. SHELDON, New York, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Nov. 28, 1922. Serial No. 603,808. 16 Claims. (Cl. 270—44.)



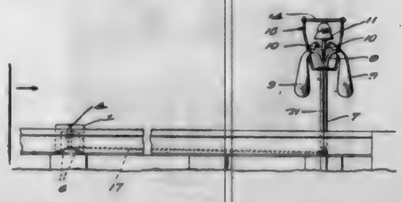
1. The combination with means for associating a cut sheet and a web, means for cutting a sheet from the web after association, and means located beyond the associating and cutting mechanism for positively seizing and advancing the associated web and sheet so that the tail of the sheet is prevented from slipping back into the cutting line when the sheet is severed from the web.

1,540,232. PLATE-PRINTING MACHINE. EDWARD P. SHELDON, Brooklyn, N. Y., assignor to R. Hoe and Co., New York, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,592. 14 Claims. (Cl. 101—160.)



1. In a plate printing machine, the combination of inking mechanism, wiping mechanism, and an impression mechanism, a frame having curved ends and straight portions between the ends, a plurality of plate carriers, and means for positively driving the carriers independently of each other about the frames and successively under the inking, wiping, and impression mechanisms.

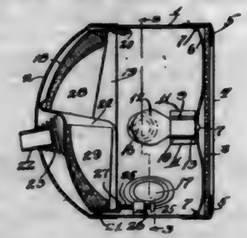
1,540,233. RAILROAD-CROSSING SIGNAL. JAMES DUNN SWANCY, Sr., Augusta, Ga. Filed Dec. 27, 1924. Serial No. 758,867. 2 Claims. (Cl. 246—294.)



1. A railroad crossing signalling device comprising a standard, a head at the upper end of said standard, semaphore arms pivotally mounted upon said head, links connected to the inner ends of said arms, a vertically disposed pull rod connected with the inner ends of said links, a frame also supported on the upper end of said standard, a shaft journaled for rotation in said frame, a mechanically operated bell carried by said shaft, a crank arm on the shaft, said pull rod being connected with said crank arm, and a train controlled cable for operating said arms and bell.

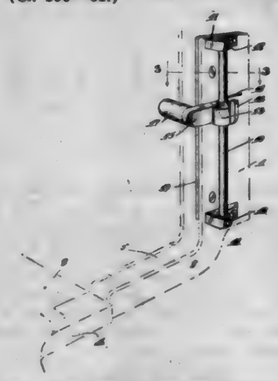
1,540,234. HEADLIGHT. CHARLES H. ALLEN and GLENN S. SOSSMAN, Chicago, Ill., assignors, by mesne assignments, to The Allenlite Company, a Corporation of Illinois. Filed June 16, 1922, Serial No. 568,774. Renewed Nov. 15, 1924. 3 Claims. (Cl. 240—41.)

1. A headlight comprising a casing, two reflectors adjustably mounted in the casing, said reflectors being positioned on opposite sides of a horizontal longitudinal plane taken through the casing, one of said reflectors being offset rearwardly relative to the other reflector, a



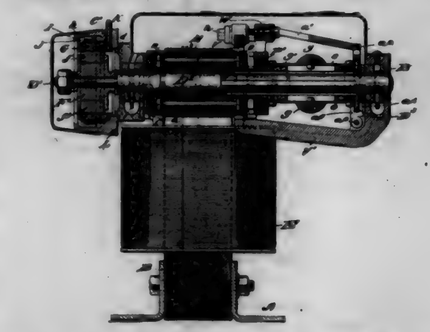
support extending transversely of the casing in front of said reflector members and below the axis of the casing, and a light source mounted on said support.

1,540,235. SLUG GUIDE. HARRY C. ALLEN, Charlotte, N. C. Filed Feb. 4, 1924. Serial No. 690,547. 5 Claims. (Cl. 199—61.)



1. In a slug guide for type-setting machines, an arm, a pivot for mounting said arm, a spring mounting for holding said arm in adjusted vertical position to locate it with reference to a slug, to pass thereby, and to permit said arm to yield to release said slugs should they become clogged in the type-setting machine.

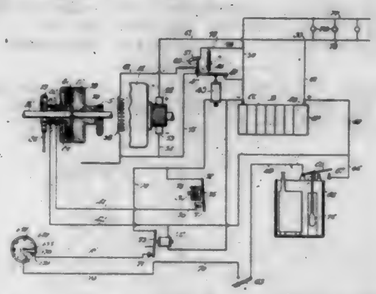
1,540,236. COMBINED STATIONARY TRANSFORMER AND CONVERTER. HARRY M. ABERNETHY and HARRY D. ABERNETHY, Cleveland, Ohio. Filed Sept. 16, 1919. Serial No. 324,287. 5 Claims. (Cl. 171—123.)



1. An apparatus of the character described comprising a stationary transformer having stationary primary and secondary coils with an iron core, in com-

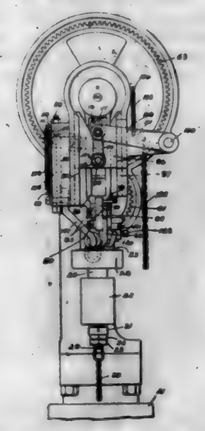
bination with a revolvable shaft, an armature formed of a series of soft iron laminations mounted on said shaft, a commutator mounted on said shaft, swinging brushes adapted to contact with said commutator, automatically operated means mounted on said shaft and adapted to disconnect the brushes from the commutator, and means for revolving said shaft and armature at a fixed, predetermined and unchangeable speed while the armature windings are free of electrical energy.

1,540,237. ELECTRIC-POWER-PLANT SYSTEM. VINCENT G. APPLE, Dayton, Ohio. Original application filed Sept. 15, 1919, Serial No. 324,021. Divided and this application filed Apr. 28, 1920. Serial No. 377,401. 2 Claims. (Cl. 290—2.)



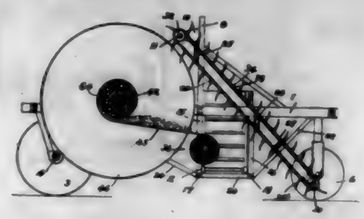
1. In a system of the character described providing a dynamo electric machine; a water cooled engine to drive the machine; a battery to energize the dynamo to start the engine; an automatic switch to connect the battery and dynamo, in combination with a pump driven by the engine to constantly pump water thru the jacket of the engine when the engine is running; a tank to receive the water from the jacket; means to heat the water in the tank and a temperature responsive means to control said heating means.

1,540,238. MACHINE FOR TUCKING AND TRIMMING FABRIC-COVERED INNERSOLES. HARRIS A. BALLARD, Boston, Mass., assignor to General Shoe Machinery Company, Boston, Mass., a Corporation of Maine. Filed Mar. 8, 1921. Serial No. 450,673. 19 Claims. (Cl. 12—20.)



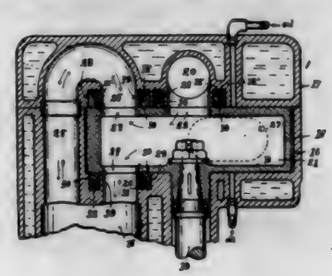
9. In an innersole machine, a pair of coacting inner and outer tucking fingers, the outer finger having its operative end shaped to engage the feather and also the wall of the rib of the innersole to crowd the rib inwardly, and the inner finger having its operative end shaped to engage the inner wall of the rib at the base thereof, means by which the operative end of the inner finger is movable transversely across and in contact with the face of the innersole transversely of the said rib, and mechanism for moving said fingers toward and from the face of the work.

1,540,239. GRAIN LOADER. CHARLES HENRY BARKER, Tregarva, Saskatchewan, Canada. Filed July 30, 1920, Serial No. 400,054. Renewed Feb. 27, 1925. 9 Claims. (Cl. 56—345.)



1. In a grain loader, a pick-up device for picking up the grain from the ground and discharging the same, and a web receiving the grain discharged from the pick-up device for winding it between successive turns of the web and means for winding and unwinding said web.

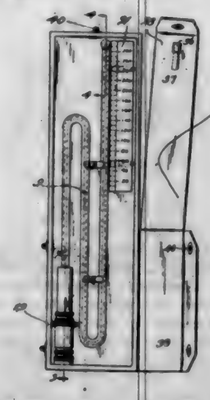
1,540,240. LEAKPROOF JOINT. WILLIAM M. BAUMHECKEL, Milwaukee, Wis. Filed Sept. 22, 1921. Serial No. 502,416. 4 Claims. (Cl. 123—190.)



1. A mechanical compression joint comprising two relatively movable members each provided with a port, an annular recess encircling but walled off from one of said ports, a continuous ring seated in the entrance to said annular recess and movable into and out of said recess to have sliding engagement with the opposite port carrying member, said continuous ring having an inclined face located within said annular recess, and a split ring having a face to engage the bottom of said annular recess, and an inclined face to engage the inclined face of said continuous ring, and serving to resiliently thrust said continuous ring into resilient contact with the opposite port carrying member.

1,540,241. SPHYGMOMANOMETER. GEORGE F. BEACHLER, Cleveland, Ohio. Filed Apr. 8, 1922. Serial No. 550,844. 10 Claims. (Cl. 73—44.)

1. In a sphygmomanometer, the combination with a pneumatic bag and a U-shaped mercury tube, of a detachable means connecting the bag and one end of said tube, a valve incorporated in the connecting means adapted to automatically close when the pneumatic bag is detached from the tube, a casing, means for securing the mercury tube in said casing, said casing having a



cover and means for making an air-tight seal at the other end of the mercury tube whenever the cover of said casing is closed.

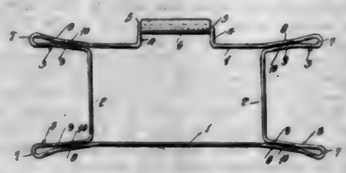
1,540,242. HOLDER FOR COUNTER CHECK BOOKS AND THE LIKE. THOMAS V. BELL, Montreal, Quebec, Canada. Filed Apr. 23, 1921. Serial No. 463,942. 3 Claims. (Cl. 45—61.)

1. A book holder comprising a back formed of a pair of plates and a pin hingedly connecting the inner edges of the plates, covers attached to the outer edges of the plates and an intermediate book support hinged to said pin.

1,540,243. SHOCK ABSORBER. LAWRENCE E. BROUGHER, McFarland, Calif. Filed July 21, 1924. Serial No. 727,211. 3 Claims. (Cl. 267—17.)

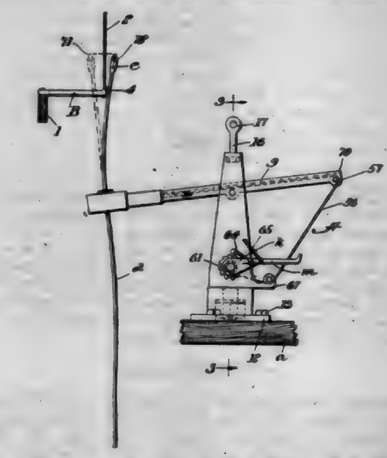
1. In a vehicle having a side frame member and a spring carried by the axle and pivoted at one end to said member, the combination of a lever to an intermediate portion of which the other end of the spring is pivoted, a link pivoted to the side frame and to said lever, movable engaging means between the free end of said lever and the side frame, and a cable comprising a tension spring connected to the free end of said link, passing about a pulley carried by the axle and attached at its other end to the side frame.

1,540,244. CLOTHESLINE REEL. GUST A. BERGLUND, Joliet, Ill. Filed May 24, 1924. Serial No. 715,625. 2 Claims. (Cl. 242—96.)



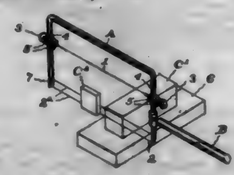
1. A clothes line reel comprising side members one of which is offset to provide a handle carrying element, a handle secured to said element, end members, guards extending beyond the end members, and the offset portion being bent to provide clothes line retaining eyes.

1,540,245. WELL APPARATUS. JOHN BERGSTEN, Torrance, Calif., assignor, by mesne assignments, to Standard Machine Company, a Corporation. Filed Feb. 28, 1923. Serial No. 620,709. 11 Claims. (Cl. 212—29.)



1. The combination, with a well derrick, of a sucker rod lifter mounted therein, said sucker rod lifter comprising a pivoted arm having a jaw portion and means adapted to simultaneously close said jaw portion and move said arm about its pivot point, whereby any sucker rods engaged by said jaw portion may be lifted.

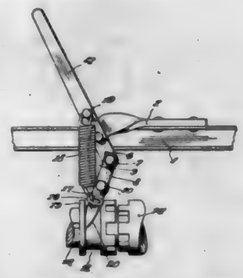
1,540,246. CUTTING DEVICE FOR BUTTER AND LIKE PRODUCTS. STEVE BLASSIS, Ashtabula Harbor, Ohio. Filed Dec. 10, 1923. Serial No. 679,551. 4 Claims. (Cl. 31—27.)



1. A cutter for butter and like products including a frame having spaced resilient arms, and a pair of independent cutting wires connecting the resilient arms, one of the wires being held taut and serving to flex the arms inwardly a sufficient amount to maintain looseness in the other wire.

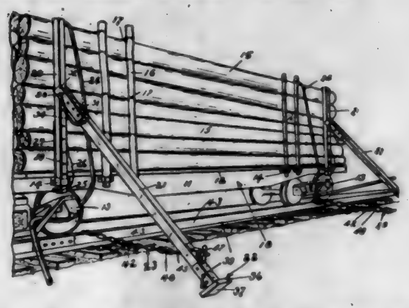
3. A cutter for butter and the like, including a resilient U-shaped frame having intersecting notches in the arms thereof, said notches being disposed in an angular relation to each other and having open ends admitting of a wire being readily inserted in the notches or removed therefrom, and a cutting wire having looped end portions which have a quickly detachable interlocking engagement with the intersecting notches, being adapted to be readily inserted in the notches or removed therefrom through the open ends of the notches, the resilience of the frame serving to keep the wire taut and at the same time holding the looped end portions thereof in engagement with the notches.

1,540,247. CLUTCH-SHIFTING DEVICE. CHARLES L. BOWMAN, Bowdil, Ohio. Filed Nov. 8, 1922. Serial No. 599,696. 4 Claims. (Cl. 74—14.)



1. The combination with a slidable clutch member, of a rocking arm engaging said member, a transverse elongated eye upon one side of said arm below the pivot of the same, a lever mounted above the rocking arm, a pin and slot connection between the lower end of the lever and the upper end of the rocking arm, and a contractile spring having its lower end engaged in the said transverse elongated eye and its upper end engaged with the lever above the fulcrum of the same.

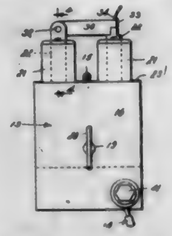
1,540,248. METHOD AND APPARATUS FOR UNLOADING POLES OR THE LIKE FROM CARS. FRED A. BROWN, Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 634,166. 16 Claims. (Cl. 214—44.)



1. The hereindescribed method of unloading poles from a car on which they are held by stakes including, bracing the poles at one side of the car, tying the poles on the car, releasing the stakes, and then releasing the tying.

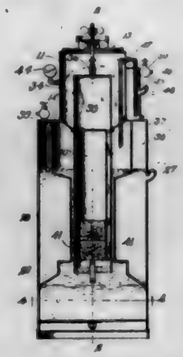
5. Apparatus for use in unloading poles from a car including, a post adapted to be arranged to extend upwardly at one side of the car to hold the poles at that side of the car, and a brace secured to the post and extending therefrom to the ground.

1,540,249. WIRE-GROUNDING DEVICE. FRED A. BROWN, Los Angeles, Calif. Filed Apr. 23, 1923. Serial No. 634,168. 15 Claims. (Cl. 173—273.)



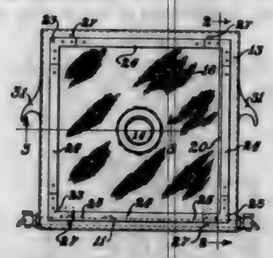
13. A device for grounding a wire being worked on a cross arm including, a body having two spaced jaws adapted to receive the cross arm, and a connecting part extending between the upper ends of the jaws and adapted to be engaged by the wire, a screw carried by one of the jaws for clamping the body on the cross arm, a pair of spaced pivot pins extending upwardly from the connecting part, rollers carried on the pins to guide the wire in engagement with the connecting part, a gate pivotally connected with the upper end of one of the pins, spring catch means for releasably connecting the gate with the other pin, a wire having one end connected with the body, and a grounding stake connected with the other end of the wire.

1,540,250. ACETYLENE-GAS GENERATOR. JAMES H. BROWN, Butte, Mont. Filed Oct. 16, 1924. Serial No. 744,032. 8 Claims. (Cl. 48—22.)



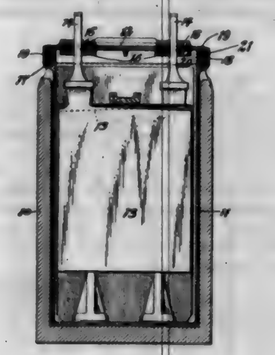
1. An acetylene gas generator including a casing forming in the lower portion thereof a water chamber, an inner casing cylinder within the said casing forming with the latter a pressure chamber above the surface of the fluid therein and having a lower flared end connected to the casing and spaced above the base thereof, the flared portion being recessed to permit the fluid to pass into as well as around the said inner cylinder, said inner cylinder forming with its upper portion and the upper portion of the casing a gas storage chamber having an outlet, a gas collecting cylinder opening downwardly within the casing and into the fluid thereof, said cylinder being within and in spaced relation to the said inner casing cylinder and having a valved outlet at its upper end opening into the gas storage chamber, and a carbide holder fixed within the lower portion of the said collecting cylinder and removable with the latter through the top of the casing and toward and away from which the surface of the fluid within the collecting cylinder is shiftable under control of the opposing pressures within the collecting cylinder and the said pressure chamber.

1,540,251. CLOTH HOLDER FOR FILTER PRESSES. WILLIAM BUCKLEY and JOHN S. CARPENTER, Chicago, Ill.; said Carpenter assignor to said Buckley. Filed Feb. 28, 1923. Serial No. 621,722. 3 Claim. (Cl. 210—195.)



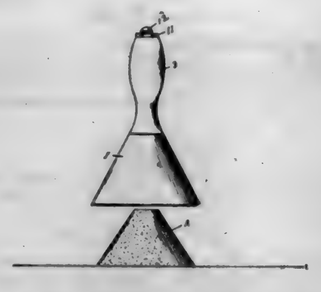
1. In a filter press unit, a base plate, a frame connected with said base plate by oblique shoulders, said frame being of greater thickness than said plate, a supporting screen parallel to said plate and contacting said shoulders, a fabric covering said screen and extending beyond said shoulders onto the side surfaces of said frame, a fastening frame secured to said first-named frame at said shoulders and extending along said shoulders and contacting with said fabric to hold the same in close contact with said shoulders and said supporting screen.

1,540,252. STORAGE BATTERY. RUFUS N. CHAMBERLAIN, Chicago, Ill., assignor to Gould Storage Battery Company, Depew, N. Y., a Corporation of New York. Filed Aug. 27, 1921. Serial No. 496,000. 2 Claims. (Cl. 215—30.)



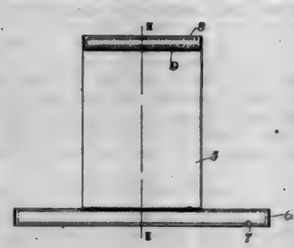
1. A storage battery comprising a tank adapted to contain an electrolyte and provided on its upper edge with a channel one side of which is provided with a plurality of ribs extending continuously around the entire respective side of said channel, a cover adapted to be placed over said tank and having a depending flange adapted to project downwardly into said channel but spaced apart from the sides thereof and provided on one of its sides with ribs extending continuously around the respective side of the cover flange, and a filling of sealing cement arranged in said channel and engaging with the respective ribs of the channel and flange, thereby forming an interlock for the closure and a lengthened path for possible seepage of the electrolyte from the interior to the exterior of the tank.

1,540,253. GOLF-BALL TEE MOLD. JOHN M. COLLINGWOOD, Wichita, Kans. Filed July 9, 1923. Serial No. 650,417. 1 Claim. (Cl. 273—33.)



A golf tee mold comprising a cup member having a socket leading in from one end thereof, said socket being provided at its outer portion with a cone shaped surface and at its inner portion with a cylindrical surface the edge of which merges with the cone shaped surface at an angle, a shaft passing through the cup member and having an end portion which enters the socket within a cylindrical surface thereof, a cylindrical plunger mounted upon the shaft and adapted to fit snugly in the cylindrical surface of the socket, said plunger being provided with a convexed face, a collar mounted upon the shaft and housed within the member and a spring interposed between the said collar and a fixed portion of the cup member and being under tension with a tendency to normally hold the plunger within the cylindrical surface of the socket.

1,540,254. HAIR CURLER. ELIZABETH COOK, Salt Lake City, Utah. Filed Oct. 15, 1924. Serial No. 743,678. 1 Claim. (Cl. 132—43.)

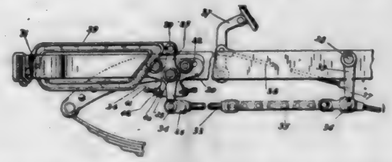


A hair curler composed of a flexible apron of substantially rectangular form, a flexible non-resilient rolling member secured along one end of said apron and normally extending in the plane thereof beyond the edge of the apron and a stiffening member secured along the other end of said apron and parallelly adjacent which stiffening member the aforesaid extending end of the rolling member is bendable to lie when the curler is rolled up to cooperate therewith to prevent unrolling of the curler.

1,540,255. AUTOMOBILE BRAKE-CONTROLLING APPARATUS. NICOLA CONSI, Brooklyn, N. Y. Filed May 9, 1923. Serial No. 637,906. 2 Claims. (Cl. 180—83.)

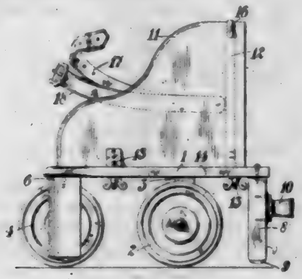
1. In a motor car, the combination, with a frame, of a bumper attached thereto having a rearwardly movable resilient front member, a forwardly operable brake controlling lever, a bracket attached to said frame at a point intermediate between said bumper and brake con-

trolling lever, a cross lever pivoted at an intermediate point on said bracket, an attaching lug mounted on said front member, a link connecting said lug to one of the



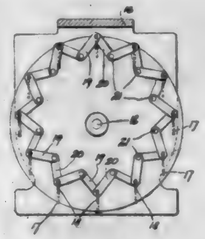
arms of said cross lever, and a flexible member connecting the other arm of said cross lever to said brake controlling lever.

1,540,256. BABY CARRIAGE. WALTER PERCY CRESSWELL, London, England. Filed May 26, 1923. Serial No. 641,547. 2 Claims. (Cl. 155—22.)



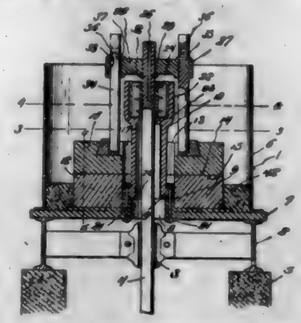
1. In a baby carriage, the combination with a platform and a pair of wheels situated beneath the central portion of the platform but towards the rear thereof, of an axle situated transversely beneath the front end of the platform, a single wheel rotatable about and slidable axially along said axle, which wheels are arranged to support the platform at such a height from the ground that the carriage can be propelled by the feet of a child thrust against the ground when seated on the platform, and a plurality of stops depending from said platform, two of which stops are in the form of short legs at the extreme front end and a third is in the form of a buffer-beam at the extreme rear end of the platform, substantially as described.

1,540,257. MARINE PADDLE WHEEL. REINHOLD DOEHLERT, Jr., New York, N. Y. Filed Apr. 7, 1924. Serial No. 704,551. 1 Claim. (Cl. 170—149.)



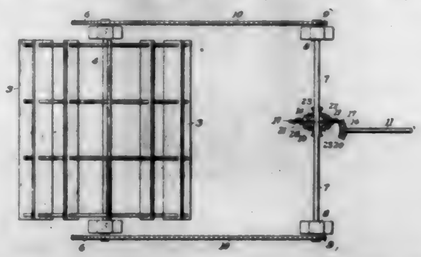
A device of the class described comprising a shaft having annular spaced apart plates therein, said plates having aligned openings therein, paddle blades, crank arms projecting from said blades journalling in the openings of said plates, links attached to said crank arms, the opposing ends of said links being pivotally secured together, studs on the joined ends of said links a rigid U-shaped frame, the arms of said frame being in a plane parallel to the annular plates, said frames having an upwardly off-set circular channel therein, said studs being adapted to ride in said channel and cause arcuate rotation of the paddle blades by means of the links.

1,540,258. STONE-GRINDING MILL. HENRI DOUBIF, Huntington, W. Va. Filed Apr. 1, 1924. Serial No. 703,495. 22 Claims. (Cl. 83—7.)



1. In combination in a colloidal batch grinding mill, a cotainer having a bottom formed with an opening in the central portion, a tubular column mounted in the bottom around the opening, an annular stationary grinding stone removably seated on the bottom of the container in concentric relation to the column, cooperating means on the grinding stone and the bottom of the container for preventing rotation thereof on the bottom, an annular rotatable grinding stone mounted around the column on the stationary stone for grinding cooperation therewith, and driving means extending thru the tubular column for driving the rotatable grinding stone.

1,540,259. DRIVING GEAR FOR BOATS. FRANK R. DRAVO, Sewickley, Pa., assignor to The Dravo Contracting Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1925. Serial No. 17,222. 11 Claims. (Cl. 115—49.)

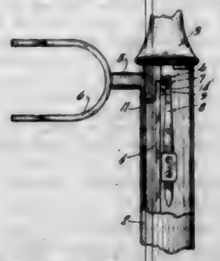


1. In a boat, a paddle wheel shaft, a power unit, and driving connections between the ends of said shaft and said power unit including differential gearing, substantially as described.

1,540,260. SWITCH HOOK FOR SUBSTATION TELEPHONE INSTRUMENTS. JOHN ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1921. Serial No. 471,690. 9 Claims. (Cl. 179—164.)

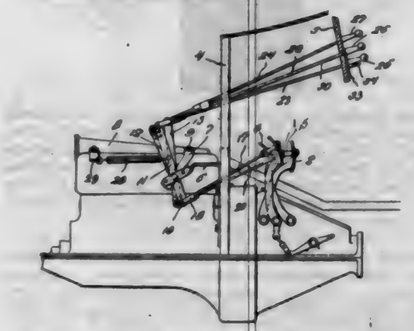
1. In a telephone set, a receiver, a switch hook for supporting said receiver, means for pivotally supporting said hook to permit the same to move through an arc of

approximately ninety degrees when the receiver is removed, a movable contact spring, and means on the switchhook for operating said spring and in such a



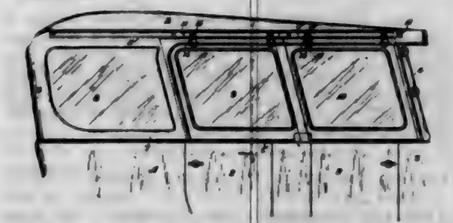
manner that the ratio between any specified movement of the hook and the resulting movement of the said spring increases as the hook moves from its initial position.

1,540,261. HAND ACTUATING MEANS FOR THE FOOT PEDALS OF MOTOR VEHICLES. MIKE B. FARMER, Pratt, Kans. Filed Dec. 13, 1924. Serial No. 755,780. 9 Claims. (Cl. 74—89.)



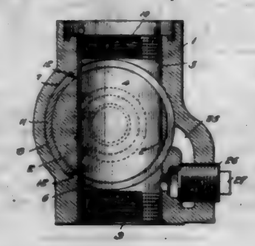
1. In combination with a motor vehicle including the usual foot pedals, and the dash board, of pivotally supporting levers disposed forwardly of the dash board, rods connecting the lower ends of said levers with the respective foot pedals, operating rods connected at their forward ends to the upper ends of said levers and extending through said dash board, and handles on the opposite ends of said operating rods whereby the foot pedals are actuated independently by the hand.

1,540,262. AUTO TOP. FRANK D. GOULD, Oakland, Calif., assignor to F. D. Gould Company, San Francisco, Calif., a Corporation of California. Filed Oct. 12, 1921. Serial No. 507,234. 7 Claims. (Cl. 296—47.)



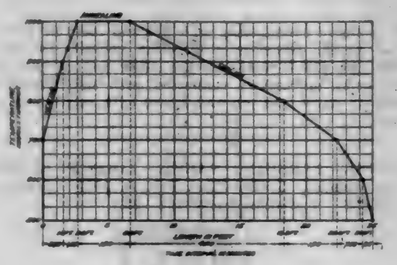
1. In an auto top of the character described, an upper horizontal trackway, a bar slidably mounted in said trackway, a pair of links pivotally attached to the bar at their upper ends, a window pivotally attached to the lower ends of said links, and a lower guide and support for the window, said links permitting the window to rise slightly when sufficient pressure is applied directly to the window to slide the same horizontally along the trackway.

1,540,263. CASING HEAD. ALFRED G. HEGGEN, Tulsa, Okla. Filed June 4, 1924. Serial No. 717,825. 17 Claims. (Cl. 166—15.)



5. A casing head involving a body having a vertical passage therethrough and a side outlet communicating with said passage, and a rotatable valve mounted on said body and adapted to occupy a plurality of positions with respect to said passage, said valve when in one position being adapted to control the flow of fluid through said side outlet and when in another position being adapted to permit the free flow of fluid through said side outlet, and the axis of rotation of said valve being spaced from and disposed at an angle to the axis of said vertical passage.

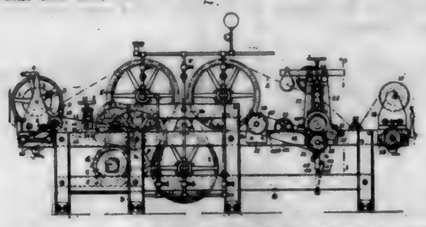
1,540,264. PROCESS OF ANNEALING GLASS. KENNETH M. HENRY, San Francisco, Calif., assignor to Illinois-Pacific Glass Company, San Francisco, Calif., a Corporation of California. Filed Oct. 11, 1922. Serial No. 593,902. 3 Claims. (Cl. 49—89.)



1. The method of annealing glass which consists in first heating to a temperature less than the maximum annealing temperature, maintaining this temperature for a length of time sufficient to partially remove internal stress and strain, cooling rapidly to the lowest annealing temperature of the glass being treated, and thereafter cooling more rapidly, to atmospheric temperature, whereby the internal stress and strain existing at the end of the heating stage will be substantially neutralized during the cooling stage.

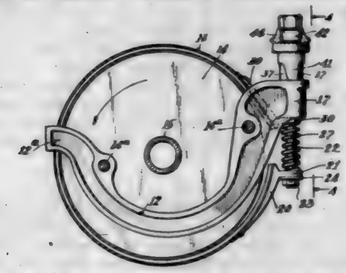
2. The method of annealing glassware which consists in quickly heating the glass to a temperature of approximately 1000° F., maintaining this temperature for approximately 15 minutes and thereafter cooling the glass at the rate of 6° per minute.

1,540,265. MACHINE FOR SIZING WARPS. CHARLES B. JOHNSON, Paterson, N. J. Filed Mar. 7, 1924. Serial No. 697,453. 5 Claims. (Cl. 91—55.)



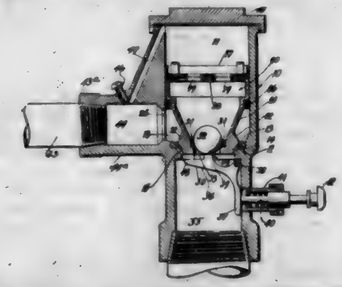
1. Apparatus of the class described including, with a supporting structure and means to apply the liquid size to the sheet to be treated, rotating means to advance the sheet at constant speed and simultaneously dry the size thereon, a rotary beam onto which to wind the advanced sheet, and slip-friction rotation-transmitting means operatively connecting the beam with said rotary means.

1,540,266. AUTOMOBILE BRAKE. HAROLD W. LANGBEIN, Los Angeles, Calif. Filed Dec. 27, 1922. Serial No. 609,178. 5 Claims. (Cl. 188—77.)



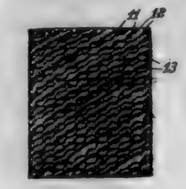
1. A brake that embodies a drum and a surrounding band with two ends, a rigid frame, a pin movable longitudinally with reference to the frame in one direction, one end of the brake band being connected with said pin, a sleeve surrounding said pin and movable with relation to the frame in a direction opposite to that in which the pin is movable, the other end of the brake band being operatively connected with said sleeve, and means to move said pin and sleeve with relation to each other.

1,540,267. FLUSHING VALVE. JAMES F. LANGSTON, Los Angeles, Calif. Filed Feb. 3, 1923. Serial No. 616,838. 4 Claims. (Cl. 137—93.)



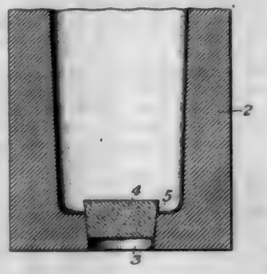
1. A flushing valve comprising a body containing a cylinder with an outlet valve passage and seat at one end, an inlet leading with a restriction into the cylinder near that end, and a restricted passage connecting the inlet, at a point outside its restriction, to the other end of the cylinder; a hollow piston in the cylinder with a hollow downward reduced extension, a valve on the lower end of the extension adapted to seat on said valve seat, said extension having at its lower end a relief passage communicating with the piston and extension interiors and opening to the cylinder, a valve seat formed in said passage, a valve ball loose within the interior of the extension and adapted to seat on the relief valve seat; and a manually operable lifting arm under and piston extension and having a part adapted to enter the relief passage to directly engage and lift the relief valve off its seat and having another part adapted to engage and lift the extension and piston after lifting the relief valve.

1,540,268. PAPER WASHCLOTH. WILLIAM A. LORENZ, Hartford, Conn., assignor, by mesne assignments, to The Otaka Paper Company, Hartford, Conn., a Corporation of Delaware. Filed July 8, 1920. Serial No. 394,728. 2 Claims. (Cl. 87—23.)



1. A napkin to be used as a wash-cloth for applying soap and scrubbing the surface to be cleaned, consisting of a sheet of tough paper not readily disintegrable in water and having rifles formed in it for softening the same said paper being originally too tough and heavy for such use and having a dried coating of soap.

1,540,269. INGOT MOLD. THOMAS MCNALLY, Massillon, Ohio, assignor to The Central Steel Company, Massillon, Ohio, a Corporation of Ohio. Filed Dec. 10, 1924. Serial No. 754,939. 3 Claims. (Cl. 22—139.)



3. The combination with an ingot mold having a tapered opening in the bottom thereof, of a refractory plug having tapered side walls bodily insertible into said opening, said plug being dimensioned to project into the mold cavity and terminate short of the plane of the bottom thereof when in position within said opening, substantially as described.

1,540,270. METHOD OF MAKING BOILER TUBING. GEORGE MAY, San Francisco, Calif., assignor of one-half to Emily Schmidt, San Francisco, Calif. Filed Feb. 12, 1924. Serial No. 692,890. 3 Claims. (Cl. 29—157.4.)

1. The method of constructing tubing in coil form which consists in first bending a strip of metal into

channel form, placing a form retaining bendable strip in the channel of the form, placing a bendable strip on one side of said form then bending the form and



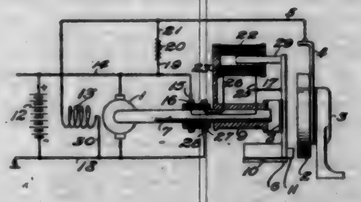
strips to form a coil or series of coils, then removing said bendable strips, then sealing the open side of the channel.

1,540,271. TRICYCLE. CHRIST MAYER, Salamanca, N. Y. Filed Sept. 4, 1924. Serial No. 735,750. 1 Claim. (Cl. 208—45.)



In a tricycle having two front wheels and one rear wheel, the combination of the frame including two diverging front bars and a front frame, a shoe-like passenger body in front of the driver's seat, two substantially C-shaped flat band springs secured with their extended lower ends to said front frame to support the front part of said body, connections for said springs, two substantially C-shaped band springs supporting the rear part of said body and having their lower ends wound about the diverging bars, and means for steering the vehicle.

1,540,272. CENTRIFUGAL SPEED REGULATOR. FRANK W. MERRILL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 19, 1922. Serial No. 530,301. 13 Claims. (Cl. 171—229.)



4. An electric motor, a circuit therefor, a centrifugal speed regulating device therefor and a compensating device associated with said centrifugal device comprising an electromagnet mounted on and revolving with the shaft of said motor and energized from said circuit adapted to cooperate with said centrifugal device to regulate said motor when voltage changes occur in said circuit.

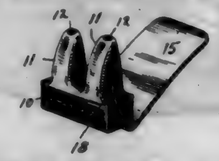
1,540,273. MAIL-SACK TAG HOLDER. WALTER R. MILLER, Mansfield, Ohio. Filed Mar. 14, 1924. Serial No. 699,282. 4 Claims. (Cl. 40—10.)

1. In a container of the class described having a wall provided with a slit, a pocket attached to said wall on the inside thereof over said slit, said pocket being adapted to receive a tag, and means for securing the



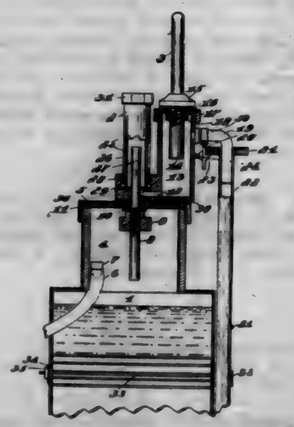
tag at the bottom of the pocket in such a manner that the greater portion of the tag is exposed exteriorly to the container.

1,540,274. NASAL INHALER. WILLIAM J. MOORE, Washington, D. C. Filed Mar. 28, 1924. Serial No. 702,570. 3 Claims. (Cl. 128—198.)



1. A nasal inhaler having a nose engaging member provided in its bottom portion with a chamber in communication with the external air and from which a passage leads to an outlet and having means for holding the inhaler in position for use comprising a plate of dimensions to extend between the lips and teeth and above the tongue, and a medicament holder attached to the plate and within said chamber.

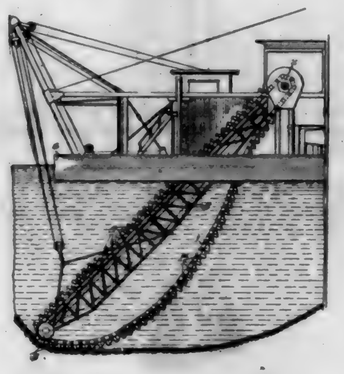
1,540,275. OVERFLOW AND HEAT INDICATOR FOR AUTOMOBILES. WILLIAM H. MUZZY, Evanston, Ill. Filed Mar. 24, 1923. Serial No. 627,507. 4 Claims. (Cl. 116—114.)



3. In an automobile the combination with an engine and its water cooling system including a radiator, of a closure cap for the filling opening of the radiator, a

glass chamber mounted on the cap, a pipe projecting from the interior of the radiator into the glass chamber and acting as an overflow for the radiator, a motor meter mounted in connection with and under the influence of the overflow, and a detachable overflow pipe connected to the glass chamber.

1,540,276. CHAIN BUCKET DREDGE. WESLEY G. NICHOLS, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed Aug. 30, 1922. Serial No. 585,192. 16 Claims. (Cl. 198—140.)



1. A bucket for bucket chain dredges, constructed with a pintle hub and a concaved bearing surface forward of and merging into the surface of said pintle hub.

1,540,277. METHOD OF HOLDING EXPANDED-METAL OR SIMILAR BRAKE-SHOE INSERTS. CLIFTON D. PETTIS, New York, N. Y. Filed Apr. 11, 1924. Serial No. 705,779. 11 Claims. (Cl. 22—206.)



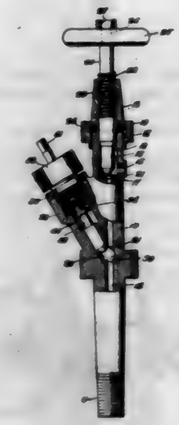
1. The method of preparing a multi-part metal insert for placing within a casting mold, which consists in tying together the parts of the insert and forming on the tying means one or more members projecting from the insert a distance equal to the proper spacing of the insert from the corresponding surface of the cast metal body.

1,540,278. BRAKE SHOE. CLIFTON D. PETTIS, New York, N. Y. Original application filed Dec. 6, 1923, Serial No. 678,793. Divided and this application filed June 7, 1924. Serial No. 718,445. 4 Claims. (Cl. 188—254.)



3. In a brake shoe, a reinforcing shell comprising a back, side and end walls, the lower portion of said sides and end walls being bent inwardly to provide an offset therein.

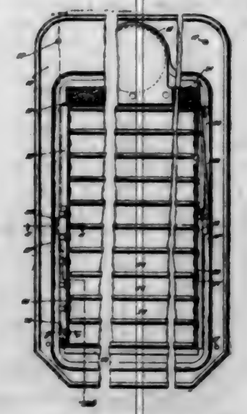
1,540,279. GAUGE COCK. CHARLES PRY, Portsmouth, Ohio. Filed May 7, 1924. Serial No. 711,050. 1 Claim. (Cl. 277—33.)



A gauge cock comprising a valve casing having a main bore extending longitudinally therethrough, said main bore having a relatively large outer end and a relatively small inner end, said bore further having an intermediate portion between its inner and outer ends of greater diameter than the outer end, said bore further having a valve seat at the inner end of said intermediate portion, a bonnet having a threaded bore and being screwed on the outer end of the valve casing, a valve having a threaded stem screwed in said bonnet and provided with a portion adjacent the threads fitting the outer end of said bore, and a portion of less diameter moving in the intermediate portion of said bore and provided with frusto conical end to seat on said valve seat, said casing further having an auxiliary bore arranged at an acute angle with the first bore and intersecting the rear portion of said first bore intermediate its ends, said second bore having relatively large internally threaded outer end, a relatively small inner end and an intermediate portion having a diameter intermediate the diameters of the inner and outer ends, the inner end of the second bore being of greater diameter than the inner end of the first bore, a conical valve seat being formed at the intersection of the first and second bores, a threaded bonnet screwed into the outer end of the second bore, a threaded valve stem extending through said bonnet, a valve carried by the inner end of the last metnioned valve stem and having a cylindrical body fitting closely in the inner end of the second bore and provided with a frusto conical extremity adapted to seat on the second valve seat, and a flange on the second valve stem spaced from the body on said stem, said flange engaging against the second bonnet upon the valve being fully opened.

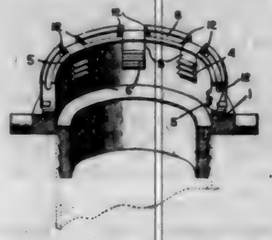
1,540,280. SHUTTER APPARATUS FOR RADIATORS. JAMES F. RALEIGH, Chicago, Ill., assignor to Pines Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 22, 1923. Serial No. 682,218. 11 Claims. (Cl. 189—62.)

1. The combination in an automobile radiator shutter comprising a fenestrated shell, of supporting means carried by said shell, a plurality of shutters mounted in said supporting means, an individual hollow pivot boss for each of said shutters carried by said supporting means, each of said pivot bosses being completely closed



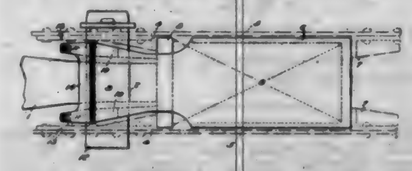
with the exception of an open end facing its shutter, and a hollow pivot boss on the end of each shutter entering the open end of said first boss.

1,540,281. COUPLING. WILLIAM S. REED, Leominster, Mass. Filed Dec. 10, 1924. Serial No. 754,955. 5 Claims. (Cl. 285—150.)



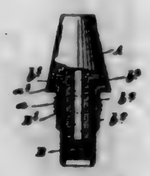
5. A coupling member comprising a circular body provided with slot in its walls and also provided with an annular groove in its ends, a pivoted jaw occupying each groove, each jaw having near its outer end a trunnion integral therewith which is loosely received in the groove and having teeth on its inner face adapted to engage the exterior screw threads of a complemental coupling member, the trunnions being located at a greater radial distance from the center of the coupling than the teeth and a thrust ring screwed to the body and closing the open side of the groove and against which the jaws abut.

1,540,282. DRAFT GEAR FOR RAILWAY CARS. WILLIAM J. REGAN, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed May 9, 1923. Serial No. 637,806. 5 Claims. (Cl. 213—65.)



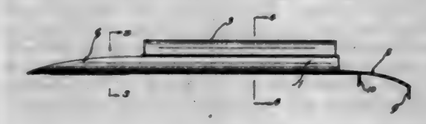
1. A draft gear involving a casing adapted to receive and cooperate with friction elements housed thereby, spaced arms integrally united to said casing and extending forwardly therefrom, said arms being adapted to receive between them the butt of a car coupler and also a follower adapted to be moved rearwardly by said coupler, and spaced walls integrally uniting said arms in advance of said casing, said walls being provided with oppositely disposed slots which are open at their rear ends and are adapted to receive a coupler connecting key.

1,540,283. FUSE BODY FOR PROJECTILE FUSES. LÉON EMILE RÉMONDY, Rueil, France. Filed Sept. 26, 1924. Serial No. 740,120. 3 Claims. (Cl. 102—39.)



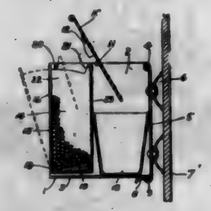
1. A shell fuse body comprising an enlarged head portion of comparatively weak cast metal and having a reduced tubular rear extension and a tubular member of stronger metal embedded in said reduced rear extension and projecting rearward therefrom.

1,540,284. KITCHEN UTENSIL. CHARLES G. REVENY, San Francisco, Calif. Filed Nov. 13, 1924. Serial No. 749,595. 4 Claims. (Cl. 146—208.)



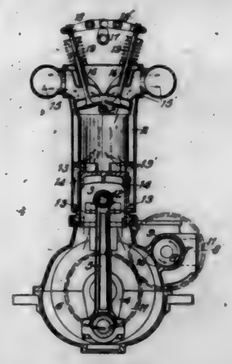
1. A kitchen implement comprising an elongated metallic body of channel shape in cross section intermediate of its ends, a handle engaged in the channel shaped portion of the body and implements provided on the portions of the metallic body which extend from opposite ends of the handle.

1,540,285. COMBINATION MATCH SAFE AND ASH TRAY. HENRY GEORGE EDMUND REYNOLDS, Summerland, British Columbia, Canada. Filed May 12, 1924. Serial No. 712,853. 4 Claims. (Cl. 206—30.)



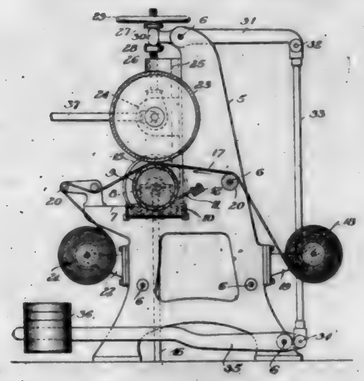
1. A device of the class described comprising a main container, a match safe pivotally mounted in the main container and an ash receptacle carried within the main container and withdrawable therefrom, a pivotally mounted cover for both the match safe and ash receptacle adapted to swing outward from the container when the cover is tilted, and means for returning the match safe into the container after use.

1,540,286. INTERNAL-COMBUSTION ENGINE. EDMUND W. ROBERTS, Cincinnati, Ohio. Filed Oct. 23, 1920. Serial No. 418,888. 1 Claim. (Cl. 123—73.)



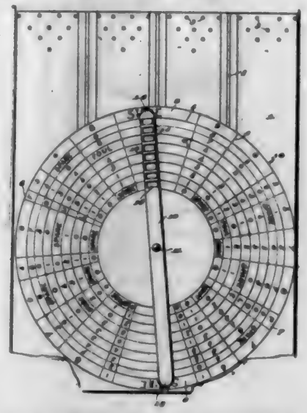
A two cycle internal combustion engine comprising a cylinder, a piston, an enclosed crank pit serving as a precompression chamber, an exhaust valve located at the head end of said cylinder, a piston controlled port leading from said crank-pit to the interior of said cylinder, and a valve for the admission of a fresh charge to the crank pit, said exhaust valve piston controlled port and admission valve being timed in the following order, the exhaust valve to open, the piston controlled port to open, the admission valve to open, the exhaust valve to close, the piston controlled port to close, the admission valve to close, whereby the crank pit is surcharged from its exterior and the cylinder is subsequently surcharged from the crank-pit due to the inertia of the charging fluid in entering and leaving said crank-pit and cylinder.

1,540,287. APPARATUS FOR AND METHOD OF PRINTING MATERIALS. WILLIAM F. ROEHLEN, Rochester, N. Y. Filed Jan. 17, 1923. Serial No. 613,147. 6 Claims. (Cl. 101—157.)



1. In apparatus of the character described, the combination of a printing roller, devices for applying a printing medium thereto, means for cooling said roller, a platen for the opposite side of a material to be printed, and heating means for said platen.

1,540,288. BOWLING GAME. EDWARD CHARLES SCHALLIS, Jersey City, N. J. Filed May 20, 1924. Serial No. 714,617. 3 Claims. (Cl. 273.)



1. A game comprising a board presenting a flat surface and ruled longitudinally to represent bowling alleys and having annular concentric lines located about a center and radial lines intercepting the concentric lines forming a plurality of annular rows of spaces and radially arranged spaces, an indicator hand pivotally mounted at the center of the concentric circle and having a pointer adapted to be revolved over the spaces, and indicia in the spaces designating certain points to be acquired for the count in the game and determined by the arrow when the same comes to rest, said indicator hand being provided with a plurality of numerals so spaced along the hand that each numeral will be located within a space between a pair of concentric lines, said numerals representing the count of a previous spin, and determining the annular space from which the succeeding count is to be taken after the indicator hand has come to rest.

1,540,289. EQUALIZER. JOSEPH A. SCHANNO, Brooklyn, N. Y. Filed Nov. 22, 1921. Serial No. 516,964. 3 Claims. (Cl. 280—104.)

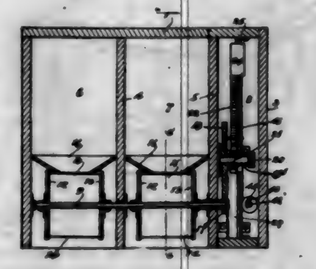


1. An equalizing organization comprising a chassis frame, springs offset therefrom and connected thereto, pivoted members on the chassis frame connecting said springs thereto, and means connecting said pivoted members together and movably connected to the chassis frame; the springs and the pivoted members being arranged in forward and rear pairs, and the means connecting the pivoted members and movably connected to the chassis frame including spaced cross rods, connections between the same and the pivoted members, and swinging hanger members on the chassis frame and connected to said cross rods.

1,540,290. FEED BOX. LEO SELINGER and JACOB SELINGER, Lajord, Saskatchewan, Canada. Filed May 1, 1923. Serial No. 635,991. 2 Claims. (Cl. 119—56.)

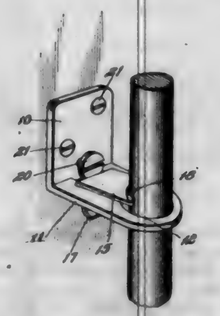
2. In combination, a compartment for the reception of feed, said compartment having a discharge opening in the bottom thereof, a shaft crossing the lower part of the compartment, a feeder rotating with the shaft and

presenting a plurality of radially disposed pockets, said pockets being adapted to successively register with the outlet opening in the rotation of the feeder with the shaft, a stub shaft adjoining the former shaft, a gear wheel mounted on the stub shaft, a pinion meshing with the gear wheel and mounted on the former shaft, a pinion rotatably mounted on the stub shaft, engaging clutch members carried by the gear wheel and latter pinion, a spring normally maintaining the clutch members engaged, a slidably mounted rack bar engaging with the latter pinion, a cross shaft, a winding drum rotatably mounted on the cross shaft, a spring associated



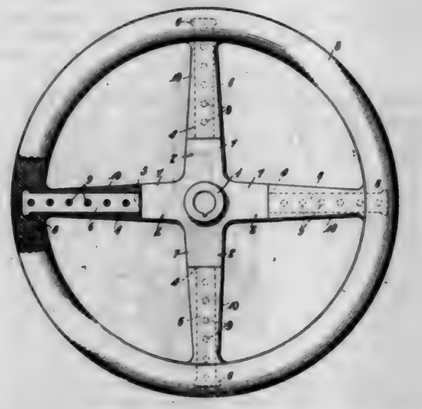
with the drum, a pulling line connected to the drum and to one end of the rack and adapted when pulled in one direction to shift the rack and wind the spring, and means for governing the speed of travel of the rack bar under the influence of the wound spring, said latter means embodying an oil containing cylinder, a plunger operated in the cylinder, a plunger rod extending from the plunger and connected to the rack bar and suitable controlling valves associated with the plunger and adapted to permit of the slow regulated escape of the oil through the plunger in the movement thereof in one direction and the quick escape of the oil past the plunger in the movement of the same in the other direction.

1,540,291. BROOM HOLDER. WENDELL P. SESSIONS, Forest Dale, Vt. Filed Apr. 10, 1924. Serial No. 705,578. 6 Claims. (Cl. 248—49.)



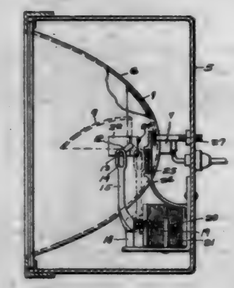
1. A broom holder of the character described comprising a plate angular in form to provide a base and an outstanding portion, the outstanding portion having an opening to receive the handle of the broom and back of said opening being formed with a transverse slot, a clamping member disposed above the plate and approximately parallel thereto and having a depressed shank at its rear end formed with a lip, the shank being adapted to extend through said slot and lip to engage on the forward wall of the slot, and means for adjustably limiting the rearward movement of the clamping member.

1,540,292. STEERING WHEEL. HARRY E. SHELLER, Portland, Ind. Filed Jan. 15, 1923. Serial No. 612,714. 1 Claim. (Cl. 74—33.)



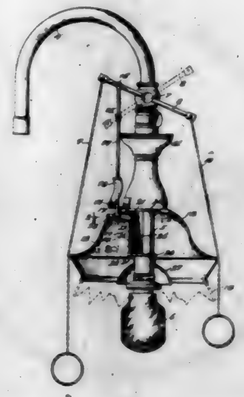
A steering wheel having a metallic hub, and metallic spokes radiating therefrom each of said spokes being abruptly reduced in cross-sectional area at a point intermediate its ends, the reduced portions of said spokes being perforated and terminating in unconnected ends, a rim of plastic material fitted to said unconnected spoke ends to form a wheel, the plastic material of said rim extending inwardly around the reduced portions of said spoke, the layers of plastic material surrounding the reduced portions of said spokes, gradually increasing in thickness so as to merge with the wheel rim, the outer surface of the plastic material forming with the outer surface of the enlarged portions of said spokes a continuous smooth surfaced spoke from the rim to the hub of the wheel, the plastic material being anchored to the metallic spokes by engaging in the apertures therein.

1,540,293. ELECTRICAL HEADLIGHT DIMMER. KATIE L. SMILEY, Belle Fourche, S. Dak. Filed Nov. 24, 1924. Serial No. 751,936. 3 Claims. (Cl. 240—45.)



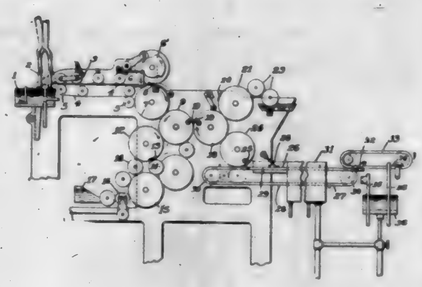
1. In a device of the character described, in combination with a lamp casing, a reflector therein, a shield shaped to conform to the reflector, and lying snugly against the rear portion thereof, transverse trunnions for the shield, a crank carried by one of said trunnions, a movable lever engaged with said crank, a magnet for moving said lever, a cushioning element for limiting the throw of the shield and means for adjusting the position of said cushioning element.

1,540,294. GAS LIGHTER. PASQUALE STELLA, Chicago, Ill., assignor of one-half to Charles Amico, Chicago, Ill. Filed Nov. 3, 1923. Serial No. 672,543. 3 Claims. (Cl. 67—20.1.)



1. A gas lighter comprising a reciprocating rod, a gas valve, means for reciprocating said rod in conjunction with the operation of the gas valve, an ignition element carried by the rod disposed perpendicular thereto, an abrasive element secured adjacent the gas discharge, and resilient means engaging the reciprocating rod to force the ignition element into frictional engagement with the abrasive member.

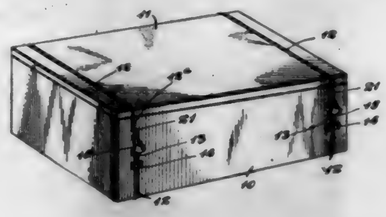
1,540,295. ART OF MAKING ONE-PIECE WINDOW ENVELOPES. WILLARD E. SWIFT, Worcester, Mass., assignor to United States Envelope Company, Springfield, Mass., a Corporation of Maine. Filed July 1, 1921. Serial No. 481,858. 4 Claims. (Cl. 91—70.)



1. The improvement in the art of making one-piece envelopes which consists in printing window margins on the outer surface of successive blanks, applying a liquid transparentizing material to the inner surfaces of said blanks, within the space defined by said printed margins, moving said treated blanks successively, with their inner surfaces uppermost, through a heated chamber to dry the same, and procuring their formation into a stack, by continuance of said movement beyond said chamber.

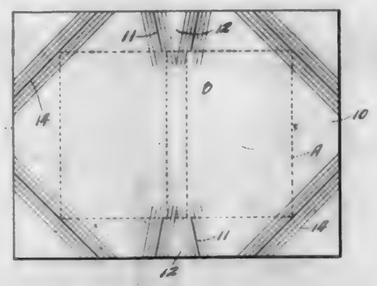
2. The combination with means for applying a liquid transparentizing substance to successively fed envelope blanks, of a traveling conveyor on which said treated blanks are successively deposited flatwise with their treated faces uppermost, a drying chamber through which said traveling conveyor passes, and means operable to remove successive blanks from said conveyor, and by further movement thereof to assemble them into a stack or pile.

1,540,296. CLOSURE FASTENER. MERVIN WILMER TOZER, Cortez, Colo. Filed Sept. 22, 1924. Serial No. 739,126. 5 Claims. (Cl. 217—66.)



1. A fastener for securing a cover to a shipping case or the like and comprising a binding element encircling the cover and case and secured to the case, the upper portion of the binding element being designed to be slipped off the cover when the binding element is released, and a locking lever including a shank having oppositely directed lugs at one end, the lugs being pivotally connected to the ends of the binding element, and a keeper formed on the shank opposite the lugs and adapted to engage with the binding element to hold the same in tight engagement with the cover and case.

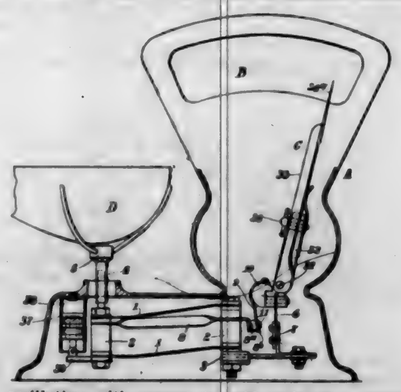
1,540,297. BOOK COVER. ALBERT T. WALRAVEN, Dallas, Tex. Filed Feb. 24, 1925. Serial No. 11,078. 5 Claims. (Cl. 281—34.)



1. A book cover comprising a rectangular sheet folded diagonally across its corners to form a tab, the ends of the sheet being folded on a line passing through the tab to form end flaps, and the sides of the sheet being folded on lines passing through the tabs to form side flaps, the end and side flaps being folded down upon the tab and secured thereto.

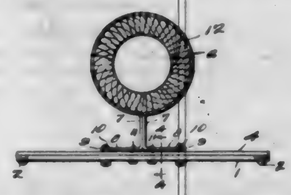
1,540,298. SPRING BALANCE OR OTHER SELF-INDICATING SCALE. JOHN BROWN WHITE, Glasgow, Scotland, assignor to Maatschappij van Berkel's Patent, Rotterdam, Netherlands. Filed Aug. 9, 1922. Serial No. 580,786. 16 Claims. (Cl. 265—87.)

1. A self-indicating weighing machine having weighing and indicating mechanism comprising a resilient weighing beam built up of parallel leaf springs secured at one end with their extreme points of flexure in vertical alignment, load supporting means connecting the other ends of said springs, a fixed scale, an indicator mounted



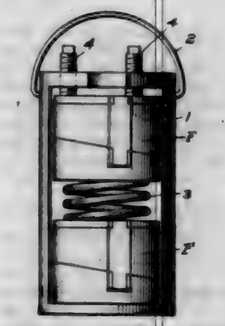
for oscillation with respect to said scale on a member free to flex laterally, and a flexible connection between said load supporting means and said indicator.

1,540,299. GAME. HARRY L. ALLSPAW, West Lafayette, Ind. Filed Apr. 9, 1923. Serial No. 630,895. 1 Claim. (Cl. 273—1.)



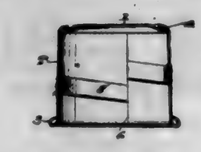
In a game apparatus, a backboard, a basket supporting device including a hoop, arms radiating from the hoop, legs depending from the arms and diverging from each other, the extremity of the legs terminating in eyes, bolts passing through the eyes and the backboard, and U-bolts passing through the backboard and engaging the legs adjacent the arms.

1,540,300. CARRIER FOR DENTAL FLASKS. BERNARD ALTMAN, Pittsburgh, ARCHIE M. FULTON, New Castle, and HAROLD C. BREEDEN, Pittsburgh, Pa. Filed July 30, 1923. Serial No. 654,555. 1 Claim. (Cl. 18—33.)



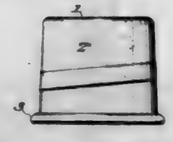
A flask carrier consisting of an integral substantially cylindrical hollow casing, its side walls cut away for the insertion and removal of flasks and provided with three set screws adjustable in one head and extending through the head on lines parallel with its axis, the said screws being spaced at equal distances from the axis of the carrier, and a helical spring whose helical radius equals the distance last noted at which the screws stand remote from the axis of the flask and applicable in assembly with a flask to coaxial position within the carrier.

1,540,301. CLOSURE FOR RECEPTACLES. GUSTAV F. ANDERSON, Brooklyn, N. Y., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1921. Serial No. 512,261. 4 Claims. (Cl. 220—39.)



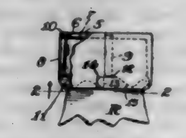
1. A sheet material receptacle closure having the material of its body portion folded together to form a reinforced interior spiral thread.

1,540,302. ART OF MANUFACTURING CLOSURES FOR RECEPTACLES. GUSTAV F. ANDERSON, Brooklyn, N. Y., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Nov. 2, 1921. Serial No. 512,262. 6 Claims. (Cl. 113—116.)



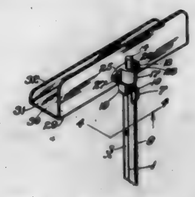
1. The art of manufacturing a built-up receptacle closure, comprising providing a blank, folding said blank upon itself to form a rib extending across one face thereof, and so bending said blank to form the body portion of the closure that the rib forms an interior folded screw-thread for the closure.

1,540,303. RECEPTACLE CLOSURE. GUSTAV F. ANDERSON, Brooklyn, N. Y., assignor to Paragon Can & Cap Company, Inc., Paterson, N. J., a Corporation of New York. Filed May 28, 1923. Serial No. 641,839. 4 Claims. (Cl. 215—46.)



1. In a receptacle closure, a body to constitute the flange of the closure formed of a sheet rolled to tubular form connected at the longitudinal edges by a seam with part of the opposite edge portions adjacent an end of the body unseamed and said unseamed portions of the sheet adapted to overlap and arranged as a tearing strip by scoring the body circumferentially on a zig-zag line and an overlapped part of the unseamed portion serving as a finger tab for tearing the strip from the body, and a disk secured in one end of the body.

1,540,304. FLASH LIGHT. WILLIAM C. ANDERSON, Kansas City, Mo. Filed Apr. 14, 1924. Serial No. 706,579. 1 Claim. (Cl. 675—628.)



In a flash light, a lighter having a sparking device, a flash pan having an aperture in registration with said sparking device, an adapter mounted on said flash pan and adapted for removable application to said lighter and lugs on the adapter enclosing a groove for directing sparks from the lighter thru the flash pan aperture.

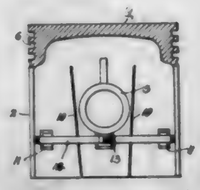
1,540,305. VENTILATION APPARATUS. WILLIAM A. BAKER and FREDERICK A. RAMLER, Toledo, Ohio; said Baker assignor to said Ramler. Filed Sept. 9, 1919. Serial No. 322,671. 2 Claims. (Cl. 98—27.)



2. In a structure providing a room having a foul air passage near the lower portion of the room, a foul air vent control device for said passage comprising a sheet metal screen, a sheet metal frame folded to embrace said screen, said frame having an integral flange extension providing a throat extending rearwardly from said screen, said flange having openings therethrough providing bearings disposed one above the other, parallel rods in said bearings, balanced louvers swingably mounted on said rods and disposed for fully closing said throat, each louver being concave on the side thereof toward the room and having its lower free end contacting with the upper portion of the louver therebelow and folded to form a channel, and sound deadening packing fixed in said channel.

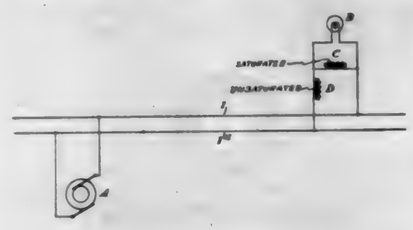
1,540,306. PISTON. EDWIN O. BARSTOW and NORMAN A. BEST, Midland, Mich., assignors to The Dow Chemical Company, Midland, Mich., a Corporation of Michigan. Filed Aug. 10, 1921. Serial No. 491,135. 4 Claims. (Cl. 74—108.)

1. A piston comprising a head and a longitudinally slit skirt portion, and means controlling the inherent tendency of the latter to expand radially under an increase in temperature, said means comprising an annular member having a different coefficient of expansion inserted within said skirt portion so as to retain same



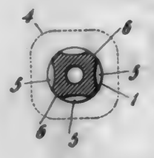
in a condition of inwardly directed tension at all working temperatures, said member contacting with said skirt portion at circumferentially spaced points only.

1,540,307. VOLTAGE-REGULATING APPARATUS. CHARLES R. BEALL, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed May 26, 1923. Serial No. 641,683. 2 Claims. (Cl. 171—242.)



1. In combination, a current consuming device, a circuit for said device comprising a source of electrical energy and means having the characteristic of increasing in impedance in response to increase in the electromotive force of said source, and a reactor connected in parallel with said device and having an iron core the flux density of which is normally such that the iron is practically saturated.

1,540,308. QUILL. JOHN G. BENTLEY, Glen Rock, N. J. Filed Dec. 7, 1923. Serial No. 679,166. 1 Claim. (Cl. 242—120.)

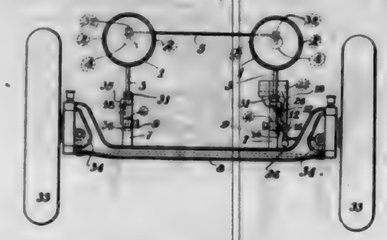


A quill of polygonal form in cross section along its winding portion, the sides being concave.

1,540,309. DIRIGIBLE HEADLIGHT. JULIUS A. BERNINGHAUS, St. Louis, Mo. Filed Jan. 21, 1922. Serial No. 530,763. 1 Claim. (Cl. 240—62.)

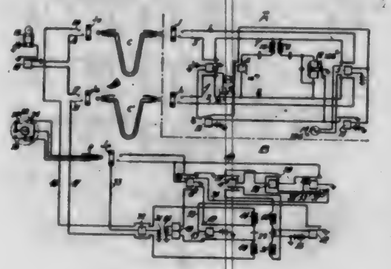
The combination with the side frame members and the steering shaft rock arm of an automobile; of a bracket having a channel shaped body portion having its web

vertical and its flanges horizontal and embracing the forward portion of one of the side frame members, said flanges being provided with vertically alined bearings and the frame member having openings in its flanges aligned with said bearings, said bracket further having a pair of arms extending respectively forwardly and rearwardly from the lower end of the body and provided at



their extremities with depending and laterally extending horizontally alined bearing portions, a lamp supporting shaft journalled in the body bearings and extending through said openings, a segmental gear on the lower end of said shaft, a rod extending through the horizontal bearing and provided with a rack portion meshing with the gear, and a connection between said rod and arm.

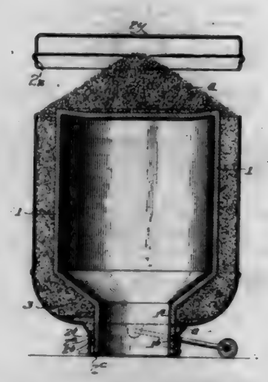
1,540,310. TESTING SYSTEM. LANGFORD J. BOWNE, Howard Beach, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 10, 1923. Serial No. 624,105. 2 Claims. (Cl. 179—175.)



2. In a testing system, in combination, a relay to be tested, a circuit having a transformer therein, a source of direct current, an impulse sender adapted to make and break a circuit a number of times when operated and released, a plurality of relays controlled by said impulse sender and adapted to connect said current source to a winding of said transformer, means for connecting said transformer to the winding of the relay to be tested and means for indicating the response of said relay.

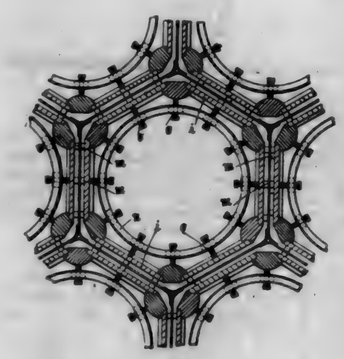
1,540,311. HEAT-INSULATED CONTAINER. PEARL H. BRAINARD, Macomb, Ill., assignor to Macomb Manufacturing Company, Macomb, Ill., a Corporation of Illinois. Filed Oct. 18, 1923. Serial No. 668,291. 5 Claims. (Cl. 215—12.)

1. A heat insulated container comprising an inner shell, an outer shell spaced from said inner shell, and a packing of subdivided heat insulating material in the space between said shells; the bottom of the inner shell having means constructed to resist outward flowing of the subdivided material; and the subdivided material



introduced between said bottom and the bottom of the outer shell being under substantial pressure in a direction perpendicular to the bottom of the inner shell.

1,540,312. METHOD OF ERECTING REENFORCED CONCRETE STRUCTURES. EVERARD RICHARD CALTHROP, London, England. Filed May 9, 1923. Serial No. 637,866. 4 Claims. (Cl. 25—154.)

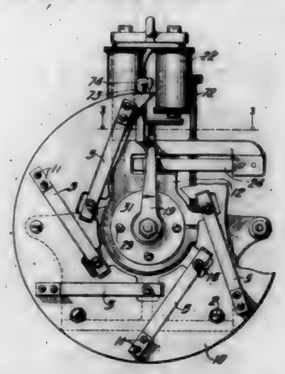


1. A method of erecting cellular structures of reenforced concrete which consists in first erecting a skeleton of metallic reenforcement composed of sheets the vertical edges of which are angled to overlap, applying shuttering to both sides of said reenforcing sheets, applying means to retain the shuttering in position during the casting of the concrete and simultaneously equalizing the pressure throughout all the cells for the time being in course of construction and casting concrete between the shuttering to embed the reenforcement.

1,540,313. PRINTING TELEGRAPHY. MERLE P. CHAPLIN, White Plains, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 13, 1920. Serial No. 423,811. 9 Claims. (Cl. 178—53.)

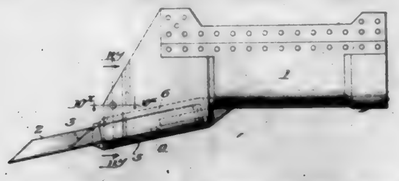
1. A distributor for printing telegraphs comprising a plurality of spring contact members, actuating means

normally tending to rotate, means for releasing said actuating means to operate said spring contact members



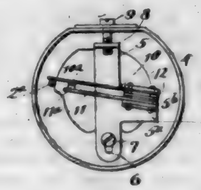
in succession, and means for permitting of a variation between the time of release of said actuating means and its operation of the first spring contact members.

1,540,314. POCKETED BOTTOM FOR EXCAVATING DIPPERS. JOHN O'FALLON CLARK, Chicago Heights, Ill., assignor to American Manganese Steel Company, Chicago, Ill., a Corporation of Maine. Filed June 19, 1924. Serial No. 720,895. 16 Claims. (Cl. 37—141.)



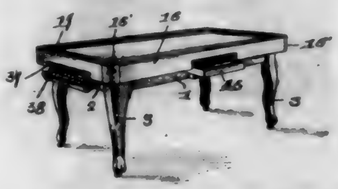
1. A toothed excavating implement having upon its digging portion tooth-receiving pockets constructed of outer and inner walls, and partition walls spacing said outer and inner walls apart and uniting them into a trussed structure.

1,540,315. PRESSURE-RESPONSIVE MAKE-AND-BREAK DEVICE. WARREN F. CLARK, Warren, Pa., assignor to Automatic Electric Heater Company, Warren, Pa., a Corporation of Delaware. Filed Apr. 2, 1921. Serial No. 458,063. 5 Claims. (Cl. 200—81.)



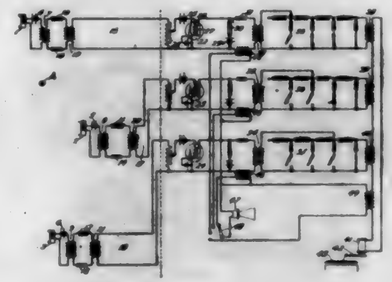
1. In a device of the character described, a casing, a Bourdon tube within said casing, an operating member secured to said Bourdon tube, a bracket having a flange extending at right angles thereto, a pair of contact carrying members which are mounted upon said flange and means for insulating the said contact carrying members from each other and from the flange, one of said contact carrying members being positioned to be engaged by the operating member carried by the Bourdon tube and a member mounted upon the casing and having threaded engagement with the bracket for moving said bracket to adjust the same with respect to the operating member carried by the Bourdon tube.

1,540,316. COMBINATION DINING AND BILLIARD TABLE. JOSEPH N. O. CLEMENT, Three Rivers, Quebec, Canada. Filed Mar. 10, 1924. Serial No. 698,314. 9 Claims. (Cl. 273—5.)



1. A combined dining and billiard table comprising a table frame, legs for supporting said frame, a top mounted on said frame, cross bars slidably mounted in said frame, a cushion frame supported on said cross bars, and means for actuating said bars.

1,540,317. METHOD OF AND APPARATUS FOR RECORDING SOUND. EDWARD B. CRAFT, Hackensack, and EDWIN H. COLPITTS, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 28, 1919. Serial No. 341,156. 13 Claims. (Cl. 179—100.1.)

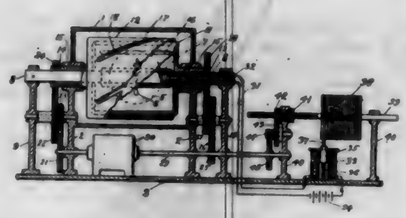


1. A method of recording sound which consists in intercepting sound waves at a plurality of separated points, converting said sound waves into electrical energy at said points, conducting said energy to a common point at different rates of speed to compensate for the difference in time of arrival of the sound waves at the intercepting points, combining the electrical energy from the different points, and recording the effect of the combined energy.

1,540,318. PICTURE-TRANSMITTING APPARATUS. LEONID A. DUNAJEFF, New York, N. Y. Filed Oct. 24, 1921. Serial No. 510,095. 4 Claims. (Cl. 178—11.)

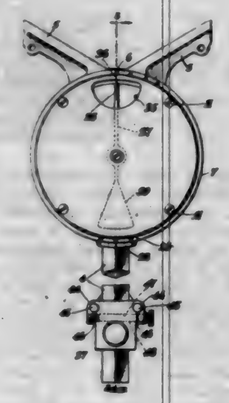
1. In a picture transmitting apparatus, the combination with a housing, a shaft in said housing, a hollow cylindrical drum mounted on said shaft inside of said housing, a plurality of slots in said drum, a second drum mounted on said shaft concentrically with said first drum, a plurality of longitudinal slots in said

second drum at an angle with slots in said first drum, a photo-electric element inside of said drums, a lens adapted to concentrate a light from an object on said photoelectric element through a point of intersection of said slots, means to rotate said drums with different



velocities, an electric circuit comprising said photo-electric element, and means to reproduce the image of said object at a distance by recording the current variations of said circuit caused by the variations of the intensity of lighting of said photoelectric element.

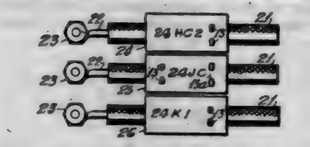
1,540,319. QUARTERING DEVICE FOR LOCOMOTIVE WHEELS. HENRY EISELE, Decatur, Ill. Filed May 28, 1924. Serial No. 716,355. 14 Claims. (Cl. 33—181.)



1. A device of the class described comprising a body provided at one end with a wrist pin receiving yoke, an axle engaging member carried by the body at the other end thereof, an indicating device comprising a member stationary relative to said body, a relatively rotary member mounted on the relatively stationary member for rotary adjustment and provided with graduations associated with the stationary member, and indicating means mounted on the adjustable member and cooperating therewith.

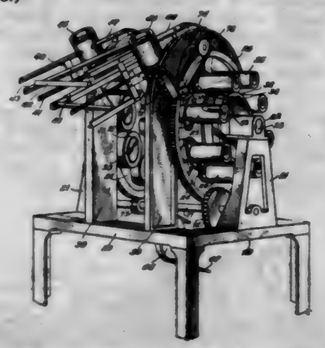
1,540,320. WIRE TAG. EDWARD A. EVERETT, New York, N. Y., and FRED B. WHEELAND, Cleveland, Ohio. Filed Oct. 31, 1923. Serial No. 671,848. 3 Claims. (Cl. 40—23.)

1. In a wire tag for insulated wires of the class described, the combination of a sheet fibre designation part of greater width than the diameter of the wire to which it is attached and a metallic clip, said clip formed from sheet stock and having prongs engaging said fibre



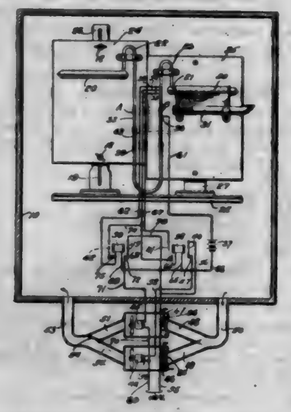
securing said clip in alignment with the longitudinal centre of said part and the sides of said clip formed to clasp on said wire.

1,540,321. ROTARY SHRINKER. JOHN L. FERGUSON, Joliet, Ill., assignor to The Quaker Oats Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 17, 1921. Serial No. 437,729. 72 Claims. (Cl. 93—55.)



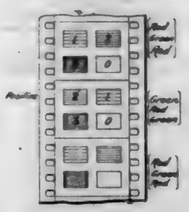
1. A rotary drum and a plurality of capped-package shrinking devices associated therewith.

1,540,322. HUMIDITY-CONTROL APPARATUS. ROLFE A. FOLSOM, Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 13, 1920. Serial No. 430,425. 10 Claims. (Cl. 236—44.)



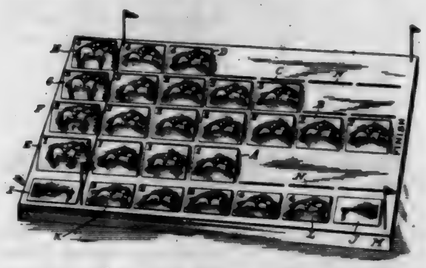
1. In combination; an air filled enclosure; means for adding moisture to the air in said enclosure; means for extracting moisture from the air in said enclosure; and a humidostat for controlling each of said means, said humidostat being actuated by the increase in vapor pressure of a volatile liquid.

1,540,323. MOTION PICTURE. WILLIAM FRANCIS FOX, New York, N. Y., assignor to Glengyle Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 4, 1921. Serial No. 458,379. 30 Claims. (Cl. 88—16.4.)



2. In cinematography the process consisting in limiting the light rays acting upon each image area of the film successively to the same plurality of colors a different one of which predominates with respect to successive image areas, said colors respectively corresponding in value to different definitely limited portions of the visible spectrum.

1,540,324. GAME. GARTH C. FULLER, Douglaston, N. Y., assignor of one-third to Elmer D. Fuller, Douglaston, N. Y., and one-third to Nathaniel H. Fuller, New York, N. Y. Filed Oct. 8, 1921. Serial No. 506,304. 8 Claims. (Cl. 273—152.)



1. Playing cards comprising a plurality of series or suits, each of an equal number of cards all of which cards contain a picture of a common racer, said series of cards each having a common legend thereon, the legend of one series differing from that of another series.

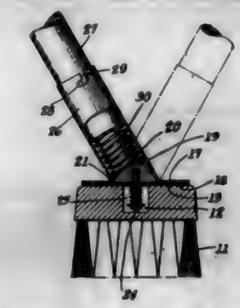
1,540,325. PERFORATED SHEET. JUDSON M. FULLER, Oak Park, Ill., assignor to The Harrington and King Perforating Co., Chicago, Ill., a Corporation of Illinois. Filed May 5, 1919. Serial No. 294,842. 4 Claims. (Cl. 210—149.)



4. A sheet having rectangular apertures arranged in staggered rows with rectangular lugs bent to extend from each of two opposite sides of each aperture of each alternate row, whereby the material between the apertures of intervening rows is arched up between adjacent lugs of the rows adjacent, and thus the surface of the sheet is corrugated.

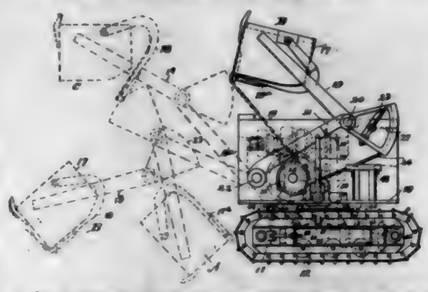
1,540,326. REVERSIBLE-ANGLE HANDLED BRUSH. ANTON GLOWA, Hoboken, N. J. Filed Feb. 27, 1924. Serial No. 695,447. 1 Claim. (Cl. 306—3.)

The combination with a brush having a backing containing a central circular recess, a plate fixed on said backing, a bracket rotatable on the plate, spring means in the mentioned recess to retain said bracket on said plate, an angularly faced lug on said bracket, a tube fixed on the bracket to surround said lug and extend



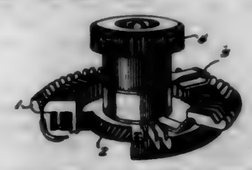
angularly therefrom, a handle fitted to said tube, and a spring in said tube between said lug and the inner end of said handle.

1,540,327. LOADING MACHINE. ROBERT P. GREENLEAF, Shaker Heights, Ohio, assignor to Frank Billings, Cleveland, Ohio. Filed Jan. 23, 1924. Serial No. 687,897. 12 Claims. (Cl. 214—132.)



1. In a loading machine, a traveling base, a revoluble superstructure mounted thereon, digging mechanism carried by the super-structure comprising a digging member, an arm attached thereto, a second arm connected to the first named arm and supported for swinging movement on a part of the superstructure, a power operated device for swinging the second mentioned swinging arm, a second power operated device, and means connecting it to the first named arm, the connecting means being displaced from and having a substantially parallel relation with the second mentioned arm, whereby said elements have substantially the function of two opposite members of a parallelogram of forces during a portion of the cycle of movement of the digging mechanism.

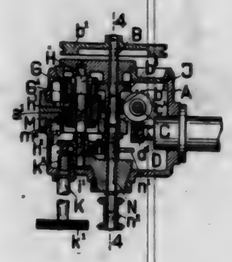
1,540,328. CONTACT TERMINAL. ARTHUR HADDOCK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 20, 1921. Serial No. 501,984. 8 Claims. (Cl. 200—166.)



8. In combination, an insulating mounting plate having rows of closely spaced perforations therein, a plurality of flat punched metal contacts, each having lugs

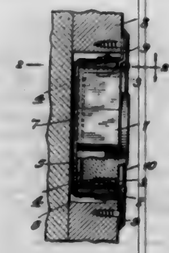
projecting from one edge and registering radially with said perforations, the edges of said contacts from which the lugs project bearing upon said mounting plate, said contacts being secured to said mounting plate solely by one of said lugs whose end projects through said mounting plate and is upset.

1,540,329. CINEMATOGRAPHIC APPARATUS. JOSEF HAPPACHER, Essen, Germany, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed June 28, 1921. Serial No. 481,081. 4 Claims. (Cl. 88—17.)



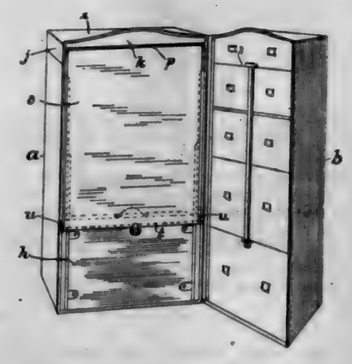
1. In a cinematographic apparatus, a film drive including an intermittent driving member, a shutter, said film drive and shutter operating synchronously, the intermittent driving member of said film drive including a single-toothed wheel, a shaft therefor, an intermediate gear wheel interposed between the shaft of the single-toothed wheel and the main driving shaft of the film drive, a displaceable member for coupling said intermediate gear wheel to the shaft of the single-toothed wheel, a movement of said displaceable member causing a mutual rotation between said last mentioned shaft and said intermediate gear wheel, means for adjusting the single-toothed wheel and means whereby an adjustment of said single-toothed wheel causes a displacement of said displaceable member.

1,540,330. ELECTRICAL RECEPTACLE. PAUL HARTMANN, Brooklyn, N. Y., assignor, by direct and mesne assignments, of one-half to Charles L. Eidlitz, New York, N. Y., and one-half to Metropolitan Electric Mfg. Co., a Corporation of New Jersey. Filed Sept. 30, 1922. Serial No. 591,488. 2 Claims. (Cl. 247—20.)



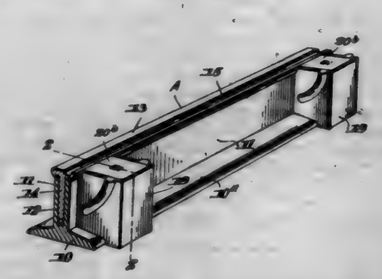
1. For an electrical receptacle or the like, a body member recessed in at least one of its ends to provide a transverse shoulder at the rear end of the recess, and a substantially U-shape strap embracing the body member along the latter's rear face and two end walls and having it at least one of its arms an inwardly and rearwardly extending spring tongue adapted to be received in the said recess and snap over the said shoulder of the body member as the parts are assembled, whereby the parts are positively locked against separation and may be unlocked by a tool inserted behind the tongue from the front end of the recess.

1,540,331. WARDROBE TRUNK. EUGENE W. HAWLEY, Philadelphia, Pa. Filed Dec. 12, 1923. Serial No. 680,080. 3 Claims. (Cl. 190—13.)



1. In a wardrobe trunk, the combination with one compartment thereof, of garment-supporting devices therein, a lid pivoted thereto and adapted to be moved to open and close the top of the compartment, a spring roller carried by said lid, a curtain adapted to be rolled on the roller and unrolled therefrom, a guide secured to the lid in front of the roller, and means for securing the end of the curtain when unrolled, the curtain extending from its roller forwardly over said guide and thence downward, said guide being so positioned that when the lid is closed, the unrolled curtain will extend downward from the guide in a substantially vertical plane.

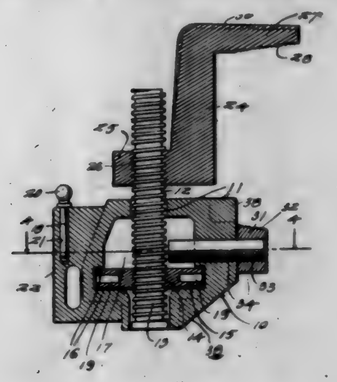
1,540,332. COMPOUND RAIL. FRANK HENRICH and JOHN ESKESTRAND, Bengough, Saskatchewan, Canada. Filed May 17, 1924. Serial No. 713,969. 7 Claims. (Cl. 238—146.)



7. In a device of the character described, the combination with a pair of rails having openings therethrough and adapted to fit one within the other, of a slidably supported wedge member adapted to engage with

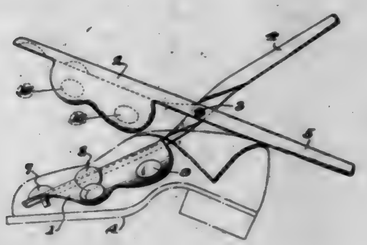
said rails, means for withdrawing the wedge, means for retaining the wedge in retaining position, and means carried by the wedge withdrawing means for gripping and lifting a rail or the like.

1,540,333. CLAMP OR VISE. EDWARD R. HENRY, Vanceboro, Me. Filed Apr. 17, 1922, Serial No. 553,675. Renewed Sept. 18, 1924. 3 Claims. (Cl. 188—43.)



1. A clamp having a stock, a jaw thereon, a rotatable nut carried by said stock, a screw rod engageable by said nut, said screw rod securing the nut against displacement from the stock, and a jaw screw threaded on said rod to coact with the first mentioned jaw.

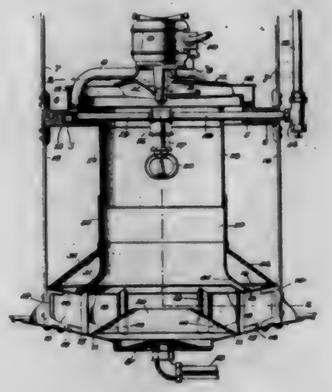
1,540,334. SHOE FORM. SAMUEL HICKEL, Charleston, W. Va. Filed Sept. 15, 1924. Serial No. 737,771. 3 Claims. (Cl. 12—129.2.)



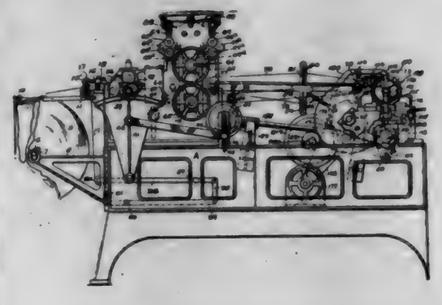
1. A shoe form comprising two members pivotally connected with each other and each having a handle portion, one of said members having a convex outer contour and being provided on opposite sides and on its upper side with detachable form pieces, while the other member has a concave inner side formed with depressions adapted to receive said form pieces.

1,540,335. HUMIDIFIER. WILLIAM B. HODGE, Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass., a Corporation of Massachusetts. Filed June 4, 1923. Serial No. 643,476. 8 Claims. (Cl. 183—121.)

1. The method of humidifying air which consists in surcharging a confined current of air with finely divided moisture; discharging said surcharged air into the room whose air is to be humidified; and subjecting the discharging air at the point of discharge to a transversely directed, free flowing air current.



1,540,336. PAPER-SHELL MACHINE. DANIEL D. HUYETT, Wilmington, Del., assignor to Atlas Powder Company, Wilmington, Del., a Corporation of Delaware. Filed June 13, 1924. Serial No. 719,840. 41 Claims. (Cl. 93—81.)



1. A paper shell machine comprising, in combination, a cutting mechanism arranged to make a bias cut, a feeding mechanism in fixed relation to the cutting mechanism, a mandrel, means for imparting intermittent and variable movement to the feeding mechanism whereby sheets of paper of varying lengths and with bias cut ends, will be cut off and means for conveying said cut sheets, bias portions foremost to the mandrel whereby to form shells of varying diameters according to the length of paper cut off without shifting the position of the cutting mechanism with respect to the feeding mechanism.

1,540,337. FOLDING CHAIR. ROBERT J. INNIS, Ionia, Mich., assignor to E. H. Stafford Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 25, 1922. Serial No. 590,380. 6 Claims. (Cl. 155—142.)

1. In a folding chair, in combination, rigid front and rear leg frames and a back, the said three parts having

a common pivotal connection at their upper ends, a seat pivotally supported upon the front leg frame and having a sliding connection with the rear leg frame and hinged



connection with the back whereby the initial folding of the seat will cause said leg frames to be drawn toward each other.

1,540,338. SEWING-MACHINE SHUTTLE. HENRY G. JOHNSON, East Hampton, Conn., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed June 21, 1922. Serial No. 569,889. 1 Claim. (Cl. 112—232.)



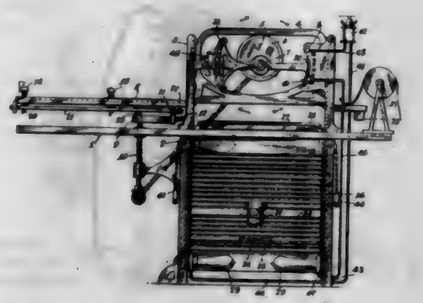
A sewing machine shuttle comprising a body portion having formed therein a circular bobbin chamber open at one end, a sleeve, adapted to have a bobbin core slipped thereover, arranged within said chamber and provided at its inner end with an annular flange of substantially the same diameter as the chamber, a post extending through said sleeve and having a socket extending inward from its outer end and provided within the bobbin chamber with an annular shoulder against which the outer end of the sleeve abuts, and a screw, having its head within the socket in the post, extending through the inner end of the post and securing it against the closed end of the bobbin chamber.

1,540,339. FASTENER. GEORGE C. JONES, Grand Concourse, N. Y. Filed Oct. 14, 1922. Serial No. 594,475. 7 Claims. (Cl. 189—35.)



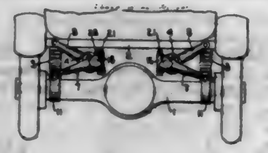
1. In combination: sheet like material; a nail impenetrable member upon which the said material rests; a washer; a nail like member for forming an orifice in said material and lying in said orifice with the head thereof bearing against the washer and the washer bearing against the face of said material remote from the first mentioned member, the said nail-like member having its end remote from the head formed into a hook and a member hooked about the said hook and engaging the first mentioned member.

1,540,340. PHOTO-ENLARGING MACHINE. CHARLES KRESSE, New York, N. Y. Filed May 3, 1922. Serial No. 558,107. 2 Claims. (Cl. 88—24.)



2. In a photographic enlarging device in combination with a printing frame, a reciprocating press for holding the paper during the exposure in said frame, a support for a lens and a support for a negative, said lens being stationarily secured in its support, vertically spaced means arranged for selectively positioning said lens and its support and said negative with its support on various fixed and corresponding numbered positions, one of said positions for said lens and one of said positions for said negative to provide means to enlarge said negative and to throw the focus of the picture with said lens on the paper in said frame and a series of said corresponding positions for said lens and said negative to enlarge from each set of said corresponding positions a different size picture from said negative and to throw with said lens the focus of said pictures in the same position, a lamp to expose the picture, an open switch on the lamp circuit and means to close said circuit when said press is moved to hold the paper in said frame.

1,540,341. SHOCK ABSORBER. JAMES B. KIRBY, Cleveland, Ohio. Filed Apr. 16, 1921. Serial No. 461,763. 4 Claims. (Cl. 188—89.)

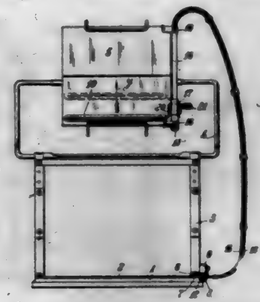


1. A shock absorber for vehicles comprising, in combination, a liquid containing casing, a liquid displacing member movable in said casing and fitting substantially the casing walls, means for securing said casing and member respectively to relatively movable parts of a vehicle, means permitting a controlled flow of liquid from one side of said member to the other, and means operative upon increase of hydrostatic pressure in either direction for obstructing the freedom of such flow.

1,540,342. LINE INDICATOR FOR TYPEWRITING MACHINES. VICTOR KOBLER-STAUDER, Zurich, Switzerland. Filed July 14, 1924. Serial No. 725,950½. 3 Claims. (Cl. 120—33.)

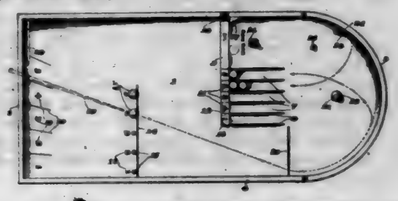
1. A line-indicator for typewriting machines provided with copy-holders, comprising in combination guide means adapted to be fixed close to the typewriting machine in a substantially horizontal position and approximately in the same elevation as that in which the hands of the operator are, an endless pulling member,

further guide means adapted to be fixed in an upright direction on the copy-holder, a slide adapted to be guided in said first mentioned guide means and con-



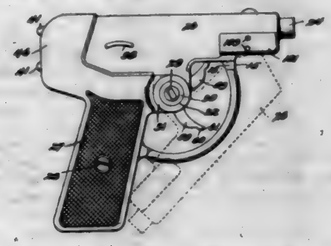
nected to the endless member, and a second slide carrying a line indicator and adapted to be guided in the second mentioned guide means and connected to the endless pulling member.

1,540,343. GAME. ERNEST KOHLER, Alameda, Calif. Filed Sept. 26, 1923. Serial No. 664,962. 2 Claims. (Cl. 213—123.)



1. A game board provided with a flat surface, a plurality of adjoining pockets on said board, a plurality of starting positions at the opposite end of said board, balls adapted to seat in said positions, means for projecting said balls along the upper surface of said board, and a removable closure for one end of said pockets.

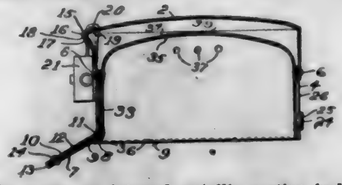
1,540,344. REPEATING CAP PISTOL. KOBY KOHN, New York, N. Y., assignor to Oscar Schwarzkopf, New York, N. Y. Filed Nov. 14, 1924. Serial No. 749,903. 36 Claims. (Cl. 42—57.)



1. In a repeating cap piston, in combination, a casing, an anvil therein, a hammer structure reciprocably mounted therein having a striking face for cooperation with said anvil, a tape roll support integral with said hammer structure and means between said support and striking face to secure the tape with a cap positioned on said face.

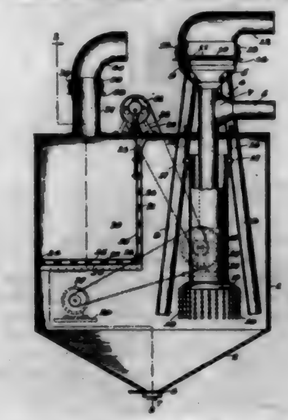
31. A spring for use in repeating cap pistols including a central portion adapted to be rigidly supported, two fulcrum points and ends adapted to press on a cap tape.

1,540,345. MINER'S CAP. FRANK KOWASIK, Hiawatha, Utah. Filed Oct. 29, 1923. Serial No. 671,567. 2 Claims. (Cl. 2—3.)



1. In a cap, an integral metallic portion including a top having a depending skirt perpendicular throughout except at the front portion, the upper part of said skirt at the front being curved forwardly and the top being extended forwardly to conform therewith thereby producing a forwardly extending lip, said lip having a vertical notch centrally thereof and extending through the top and skirt, the top having a hook receiving opening immediately behind said notch.

1,540,346. DUST COLLECTOR. CHARLES A. KUNS, Dubuque, Iowa, assignor to Charles A. Kuns Company, Dubuque, Iowa, a Corporation of Iowa. Filed Oct. 2, 1924. Serial No. 741,234. 7 Claims. (Cl. 183—84.)



1. A dust separator and collector comprising a housing, a vertical conveyor tube extending therein, an air-inlet tube communicating with said conveyor tube substantially above the inner end thereof at an angle thereto, and a screened ventilator at the outer end of said conveyor tube.

1,540,347. RADIATOR COVER. CHARLES W. LEWIS, Nashville, Tenn. Filed Jan. 6, 1923. Serial No. 611,149. 1 Claim. (Cl. 257—136.)



A radiator cover comprising end and side walls of sheet material, the lower portions of said end and side walls having recesses therein forming ways for ingress of air, the forward side portions of said end walls having lips formed thereon substantially right angular in cross-

section, the opposite sides and adjacent portions of the forwardly disposed side wall having right angularly disposed lips thereon abutting and flushly engaging portions of said right angularly formed lips on the end walls, the rearward side portions of said end walls having inturned right angularly disposed portions thereon overlapping the adjacent portions of the opposite ends of the rearwardly disposed side wall, parts of said end and front walls being extended for corresponding distances above their respective upper marginal portions, and a top covering having downwardly disposed flanges formed upon certain of its marginal portions engaged over the upper portions of said end and side walls and resting upon said extensions, the flanges on said top covering being disposed laterally of and overlying the opening formed in said side and end walls between said extensions.

1,540,348. VANITY CASE. ERNEST W. LOESSER, Newark, N. J. Filed Sept. 17, 1923. Serial No. 663,158. 2 Claims. (Cl. 132—83.)



1. In a vanity case a compact of powder including a bottom plate and a flange, the compact having an opening therein, and a box insertible in the flange and projecting into the opening and carried when in place by the compact.

1,540,349. VANITY CASE. ERNEST W. LOESSER, Newark, N. J. Filed Apr. 30, 1924. Serial No. 709,992. 4 Claims. (Cl. 132—83.)



1. A vanity case comprising a tray-like box with a hinged lid, and a tray-like supplemental box hinged at the back of its top edge to the lid at a point within the lid and adapted to be suspended horizontally thereon when the lid is open, the lid closing both boxes when it is swung shut.

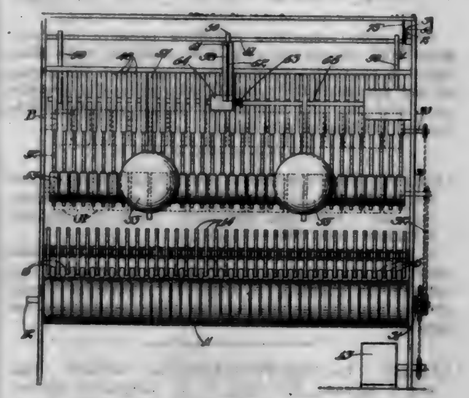
1,540,350. GOLF-PRACTICE APPARATUS. DONALD D. LONGENECKER, Topeka, Kans. Filed July 8, 1923. Serial No. 649,315. 4 Claims. (Cl. 273—35.)

4. In a golf-practice apparatus, an objective consisting of a receptacle comprising a cup-shaped body made of a foldable material, a ring engaging with the edge portion of said cup-shaped body for holding the body open at one end, said ring being adjustable to vary the diameter thereof, and a plurality of legs, each pivotally



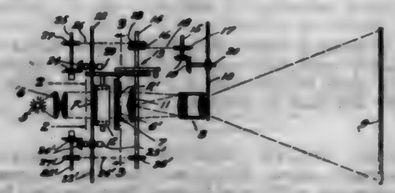
attached at its upper end to said ring and being free at its other end, said legs being spaced apart along the circumference of the ring.

1,540,351. LEATHER-MEASURING MACHINE. ROBERT J. MCFALL, Amherst, Mass. Filed Dec. 17, 1920. Serial No. 431,331. 35 Claims. (Cl. 33—123.)



1. In a leather measuring machine, a contact carrier and a contact member mounted to permit joint movement by the action of the leather on the contact carrier, the contact member adapted to have a movement independent of the carrier when engaged by the leather and registering mechanism which is controlled by the independent movement of one of said movable parts with relation to the other.

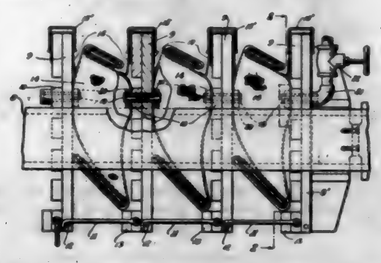
1,540,352. MOTION-PICTURE MACHINE. ALBERT C. MACBETH, Seattle, Wash., assignor of one-half to Charles T. Orange, Seattle, Wash. Filed Feb. 6, 1923. Serial No. 617,215. 2 Claims. (Cl. 88—16.4.)



1. In apparatus for making color projections of motion pictures from a progressively driven film provided with two series of pictures respectively taken through different colored filters, and a source of light, of color filters, and rotary disks provided with apertures disposed

to revolubly traverse the projecting light beam passing through the respective color filters and the series of film pictures, said apertures being arranged on the respective disks to simultaneously exhibit upon a screen pluralities of fractional portions of both of said series of film pictures in spaced relations with each other.

1,540,353. PRESS. KATHERYNE P. MALON, Chicago, Ill., assignor of one-half to John B. Berrigan, Chicago, Ill. Filed Jan. 6, 1923. Serial No. 610,950. 10 Claims. (Cl. 100—50.)

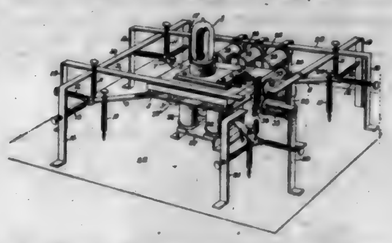


1. A press comprising adjoining pressure members; filter bags inserted between said members, there being open communication between said bags; each bag having an end automatically openable upon release of pressure upon said bag and means for forcing material to be pressed into one of said bags.

1,540,354. ELECTROLYTE FOR ELECTROPLATING METAL WITH TIN. FRANK C. MATHERS, Bloomington, Ind. Filed Mar. 29, 1923. Serial No. 628,433. 8 Claims. (Cl. 204—17.)

1. An electrolyte for electroplating with tin composed essentially of a solution of tin sulphate and cresylic acid sufficient in quantity to cause an electrolyte deposit of tin from the solution to be finely crystalline and smooth.

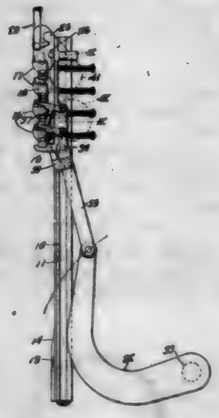
1,540,355. VACUUM-TUBE-TESTING DEVICE. ROBERT C. MATHES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 20, 1919. Serial No. 332,005. 9 Claims. (Cl. 250—27.)



1. A vibration device comprising a plate, means for resiliently supporting said plate, and electro-magnetic means acting on said plate in a plurality of planes to subject said plate to vibration.

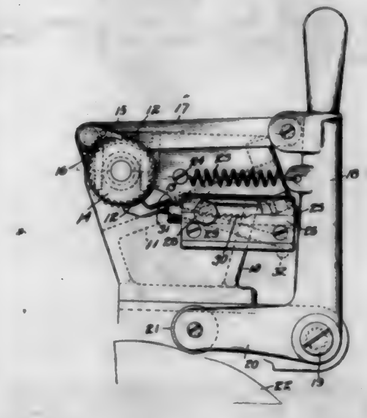
1,540,356. ROLLER CARRIAGE. GEORGE FRANKLIN MATTESON, Rocky Hill, Conn., assignor, by mesne assignments, to Thomson-National Press Company, Inc., Long Island City, N. Y., a Corporation of Delaware. Filed May 11, 1923. Serial No. 638,349. 11 Claims. (Cl. 101—362.)

1. A printing press comprising a reciprocating carriage, form rollers thereon movable toward and from form-engaging position, one or more pivoted latches on the carriage adapted to hold certain of said form rollers out of form-engaging position, and means movable with



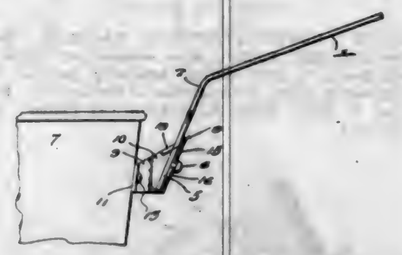
the carriage adapted to move said latches about their pivots near opposite ends of the travel of the travel of the carriage substantially as set forth.

1,540,357. INK FOUNTAIN. GEORGE FRANKLYN MATTESON, Rocky Hill, Conn., assignor, by mesne assignments, to Thomson-National Press Company, Inc., Long Island City, N. Y., a Corporation of Delaware. Filed Dec. 20, 1922. Serial No. 608,101. 9 Claims. (Cl. 101—364.)



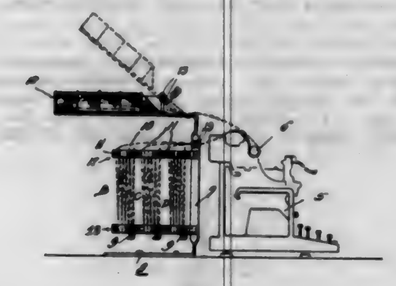
1. In an ink fountain, an ink cylinder, a ratchet connected thereto, a pawl for actuating the ratchet, means for moving the pawl positively in one direction resilient means for returning it, a slidably mounted bolt for limiting the action of said resilient means, a bracket in which the bolt is slidable, said bracket having a series of teeth arranged parallel to the line of movement of the bolt, and means movable with the bolt for engaging the respective teeth to vary the action of the ratchet, substantially as set forth.

1,540,358. DETACHABLE HANDLE FOR UTENSILS. WILLIAM C. MAURER, New London, Conn. Filed July 7, 1924. Serial No. 724,647. 2 Claims. (Cl. 16—114.)



1. In combination with a receptacle, a detachable handle therefor comprising an elongated strip of metal bent downwardly adjacent one end, said downwardly extending portion having notches provided in the sides thereof, adjacent the lower end of the same for forming a head member, a socket on said receptacle for receiving said head member, means for locking the head member in said socket, said means comprising a headed stud carried by the head member and adapted to be received in a substantially oval shaped opening provided in the socket member, and lips formed on said socket member for engagement with the upper edge of the head member.

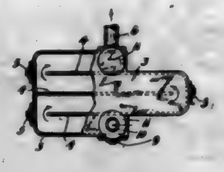
1,540,359. PAPER-SUPPLY HOLDER FOR TYPEWRITERS. ARTHUR A. MILLER, Selinsgrove, Pa. Filed Sept. 3, 1924. Serial No. 735,635. 3 Claims. (Cl. 270—58.)



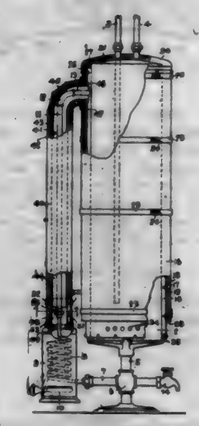
1. In a paper supply holder for typewriters, a frame disposed rearwardly of the typewriter and being adapted to receive a multiplicity of folded sheet tablets, a typewriter platen, said sheets being adapted to be fed to the typewriter platen, a pivoted basket upon the upper end of the frame, and means for feeding the paper into the basket.

1,540,360. WATER HEATER. PHILIP J. MOONEY, Minneapolis, Minn. Filed May 18, 1922. Serial No. 562,008. 2 Claims. (Cl. 122—20.)

1. A hot water heater adapted to be placed inside of a furnace comprising a hollow member of narrow width, relatively to its height, curved to fit the furnace wall and having flat top and bottom surfaces, bosses on the top and bottom sides thereof adjacent the ends of said sides having threaded apertures therethrough, bosses on the convex side of said member adjacent its top and bottom, whereby inlet and outlet pipes may be disposed either at said convex or at the top and bottom sides of said member adjacent its top and bottom, respectively, a plurality of partitions in said member having free ends and extending substantially horizontally and having a zig zag passage between the bosses at the top and bottom of said member, said member having threaded cleanout openings adjacent the free ends of said partitions, normally closing said threaded opening, and plugs closing the unused threaded openings in said threaded bosses.



1,540,361. WATER HEATER. ROBERT E. NEWELL, Irwin, Pa., assignor to Newell Manufacturing Company, Irwin, Pa. Filed June 15, 1922. Serial No. 568,658. 8 Claims. (Cl. 122—14.)

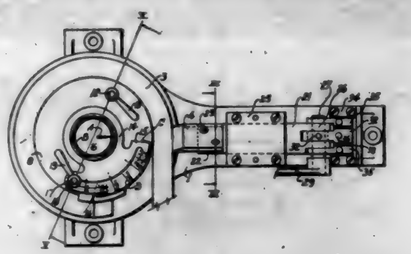


8. The method of heating water which comprises passing the water through a combustion heater and thence to a storage tank, conducting the exhaust products of combustion from said heater to the upper portion of said tank through one path, and causing said products of combustion to flow downwardly in contact with the outer surface of said tank through another path remote from the first-named path.

1,540,362. MACHINE FOR MEASURING AND CUTTING PACKING. CHARLES A. NORVELL, Memphis, Tenn. Filed May 2, 1924. Serial No. 710,689. 8 Claims. (Cl. 164—57.)

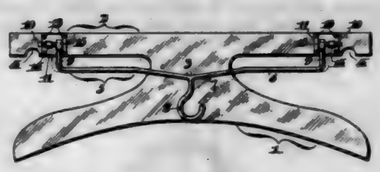
1. In a packing cutter, an anvil, an index plate, cooperative markings on said anvil and plate for indicating relative positions of said plate and anvil for vary-

ing shaft sizes, a compensating quadrant, a packing stop carried by said quadrant, cooperating markings on said quadrant and index plate for indicating relative



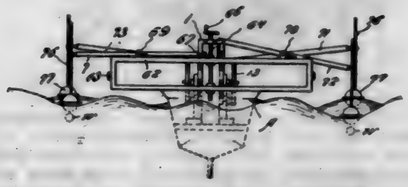
positions of said quadrant and plate for varying packing sizes, a cutting knife and means for forcing said knife forward against said anvil.

1,540,363. GARMENT HANGER. WILLIAM REID, Philadelphia, Pa. Filed Mar. 11, 1924. Serial No. 698,395. 10 Claims. (Cl. 211—13.)



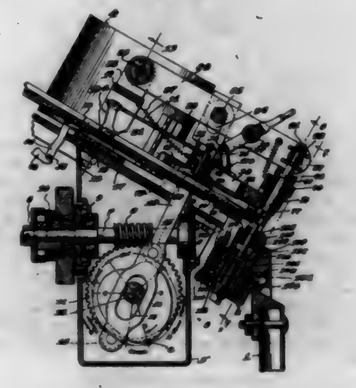
4. A garment hanger formed with a substantially arcuate coat-hanging portion and a cross bar above said portion engageable at opposite ends to support the hanger, and a yieldingly trunnioned bail whereby said hanger may be converted for central single point suspension, said bail being foldable to a position within the perimetrical confines of the hanger so as to be entirely out of the way when not in use.

1,540,364. WAVE MOTOR. BENJAMIN ROLDAN G, Caracas, Venezuela. Filed July 30, 1924. Serial No. 729,111. 2 Claims. (Cl. 253—11.)



1. In a wave motor, a frame comprising an upper rectangular portion, a lower rectangular portion, legs connected to the portions at their corners, bars extending between the legs parallel to and below the longitudinal sides of the lower rectangular portion, a third bar disposed between the ends of the lower portion, a plate attached to the lower surface of said third bar and having notched ends extending beyond the sides thereof, a U-shaped bracket supported on the upper surface of said third bar and having offset outwardly disposed notched ends, bearing rollers supported on the sides of the upper portion and on the first mentioned bars, rack bars having ribs slidably received in the notches and having their opposite surfaces in engagement with the rollers, means for taking power from the rack bars, and wave operated means for reciprocating the rack bars.

1,540,365. BUTTON-ATTACHING MACHINE. FREDERICK N. ROSS, Pontiac, Mich., assignor, by mesne assignments, to The Button Attaching Machine Co., Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 4, 1923. Serial No. 655,589. 47 Claims. (Cl. 218—6.)



1. In a button attaching machine, the combination of means for attaching a button to a fabric, and means for automatically feeding buttons of several sizes to the attaching means including a manually controlled selector actuated by the feeding means for determining the size button to be fed to said attaching means.

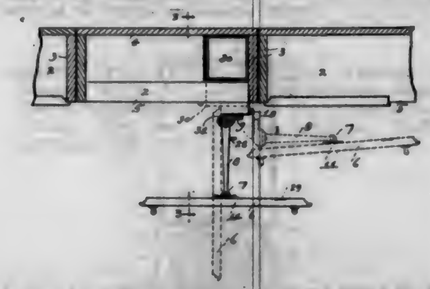
1,540,366. OVERALL HARDWARE. FREDERICK N. ROSS, Pontiac, Mich., assignor, by mesne assignments, to The Button-Attaching Machine Co., Waterbury, Conn., a Corporation of Connecticut. Filed Nov. 5, 1923. Serial No. 672,750. 3 Claims. (Cl. 24—245.)



1. In overall art metal hardware, a loop member comprising a stamped corrugated bar stock with prongs stamped out of one of the bars and projecting at an angle which forms an approximate continuation of the arc of the corrugation for the purpose of strengthening the prongs.

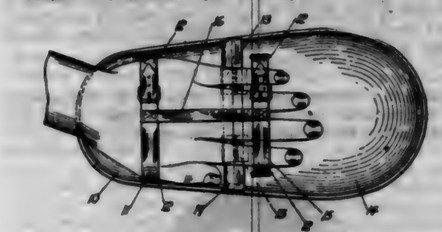
1,540,367. DISPLAY CABINET. ROBERT A. SARGENT, Montpelier, Ohio, assignor to The W. C. Heller and Company, Montpelier, Ohio, a Corporation of New Jersey. Filed June 16, 1923. Serial No. 645,806. 8 Claims. (Cl. 211—7.)

1. A cabinet having a door opening; a closure member for the door opening, swingably carried by the cabinet, and having an opening therethrough; a display member removably carried by the closure member and comprising a support portion detachably carried by the



closure member and a display portion hingedly mounted on the support portion and adapted to be swung through the closure member's opening.

1,540,368. SWIMMING DEVICE. ABRAHAM B. SAMUELS, Akron, Ohio. Filed May 28, 1924. Serial No. 716,392. 3 Claims. (Cl. 9—21.)



1. Swimming attachments for the hands, comprising a pair of plates hinged together and formed with inner concave surfaces cooperating to form a general inner concavity, one of said plates having a rigid strip secured on its outer surface, said strip overlying the hinged joint, and means on the outer surfaces of each plate to secure the same to the hand.

1,540,369. CARTON. ARTHUR W. SCOTCHER, Newark, N. J. Filed Feb. 20, 1925. Serial No. 10,544. 12 Claims. (Cl. 229—29.)

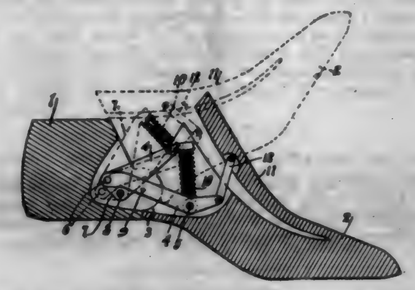


2. A collapsible, cellular carton formed from a single substantially rectangular blank having four continuous edges, said carton comprising opposed pairs of members or portions including bottom, outer side and hinged cover portions, transverse-partition platforms and longitudinal, vertical partition members arranged to provide a plurality of rows of cells for the reception of articles.

1,540,370. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,760. 2 Claims. (Cl. 12—186.)

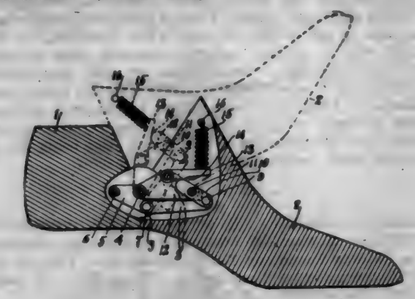
1. In a last of the divided type and comprising a toe part and a heel part, a collapsible instep for the toe part, a link pivotally attached to the toe part intermediate the ends of said link, the rear end of said link

extending into the heel part, an instep link attached to the forward end of the first-mentioned link and to said instep section, a second link pivoted to the heel part of the last and pivotally attached to said first-mentioned link at a point remote from the point of attachment of the second link to the heel part of the last, and a spring interposed between the last-mentioned link and the first-



mentioned link for actuating said links in a direction to shorten the distance between the points of attachment of said links to the last parts to maintain the last parts in extended position and in collapsed position under tension, said instep link maintaining the instep in extended position when the last is extended and drawing the instep into collapsed position when the last is collapsed.

1,540,371. LAST. CLINTON M. SEARL, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Original application filed Apr. 21, 1924, Serial No. 707,796. Divided and this application filed Nov. 24, 1924. Serial No. 751,762. 2 Claims. (Cl. 12—186.)

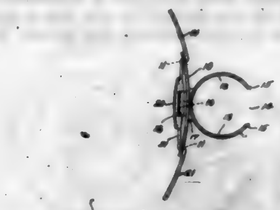


1. In a last of the divided type, the combination of a heel part and a toe part, a bearing pin for said last parts, a plate mounted on said bearing pin within the heel part of the last and having a portion thereof attached to said heel part, a link pivoted in the toe part of the last, a second link extending from said plate to one end of the first link, a member for connecting the first link to said bearing pin, and means for applying power to the first link adjacent the end thereof remote from the point of attachment of the first link to the second link to thereby maintain the last parts in extended position and collapsed position under tension.

1,540,372. FLASH-LIGHT HOLDER. CLARENCE M. SHAW, Shelton, Conn. Filed Oct. 28, 1922. Serial No. 597,565. 1 Claim. (Cl. 240—59.)

A flashlight holder including a support comprising a plate curved rearwardly longitudinally thereof and having transversely extending openings adjacent its ends, a

second plate extending transversely of the first plate and secured thereto, said second plate being also curved longitudinally thereof and in the same direction as the



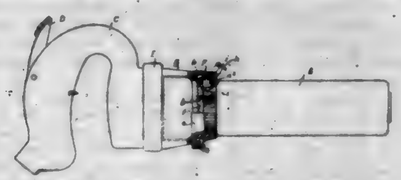
first plate, pads mounted on the back of the second plate, a spring clamp carried at the front of the support adapted to grip the casing of a flashlight, and a flexible supporting strap extending through said openings.

1,540,373. TOOL. RAYMOND S. SQUIRE, Millers Falls, Mass., assignor to Millers Falls Company, Millers Falls, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1923, Serial No. 630,584. Renewed Sept. 22, 1924. 3 Claims. (Cl. 145—47.)



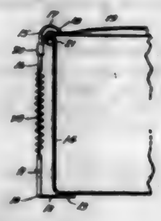
1. A bearing scraper, including a shank U-shaped in cross section, the end portions of the shank being curved in a direction opposite to the direction in which the side walls thereof extend, and said walls being bowed outwardly at said end portions and presenting longitudinal scraping edges, the height of said walls descreasing toward the ends of the shank and said walls converging at the shank ends to provide terminal scraping edges merging into and forming a continuation of said longitudinal scraping edges, one of said terminal scraping edges being rounded to form with the adjacent longitudinal scraping edges a single scraping edge extending in an unbroken curve, and the other terminal scraping edge being flat to provide sharp corners on either side thereof.

1,540,374. LOCKING DEVICE FOR FLUID-PRESSURE TOOLS. EDWARD W. STEVENS, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed July 10, 1923. Serial No. 650,591. 7 Claims. (Cl. 121—36.)



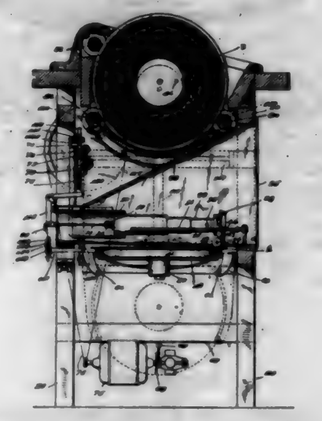
3. In a pneumatic tool, in combination a cylinder and a cylinder head in threaded engagement, a locking ring encircling said cylinder and maintained in face engagement with said head, said ring having a recess adjacent said cylinder, a lug on said cylinder extending within said recess, and a resilient member seated in said recess and adapted to be compressed against said lug for constantly urging said ring and said head in a direction to tighten the latter on said cylinder.

1,540,375. LID HOLDER. AXTON F. STODDECK, Cleveland, Ohio. Filed May 10, 1924. Serial No. 712,266. 1 Claim. (Cl. 53—8.)



A lid holder for cooking utensils comprising a pair of hook members each formed from a single piece of metal bent upon itself to define a vertically disposed arm and outwardly diverging horizontally disposed arms, the horizontal arms of the lower member being adapted to engage the bottom of a vessel, the ends of the horizontal arms of the upper member being deflected downwardly to engage the lid of the vessel, a member slidably mounted on the vertical arm of said upper member and having a projection adapted to engage between said lid and vessel, and tension means interconnecting the vertical arms of said members.

1,540,376. PHONOGRAPH. HAROLD E. THOMPSON, Indianapolis, Ind. Filed Sept. 28, 1920. Serial No. 413,372. 32 Claims. (Cl. 274—10.)

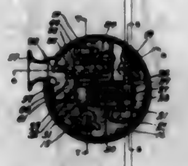


2. In a phonograph, the combination of a record-supporting table arranged to rotate on a substantially vertical axis, a horn, said table being below said horn, and a tone arm mounted within said horn and provided with a needle-carrying sound box, the bottom of said horn being provided with a slot through which the needle of said sound box may project into co-operative relationship with a record on said table.

26. In a phonograph, the combination of a record-carrying table, sound-reproducing devices arranged to co-operate with a record on said table, a plurality of screws arranged to support a plurality of records in a row, transferring mechanism for removing a played record from said table and placing it in said screws at one end of said row and for removing a record from said screws at the other end of said row and placing it on said table, and means for operating said screws to feed the records

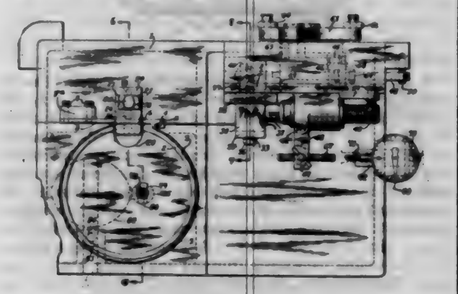
toward the latter end of said row, and means for automatically causing the stopping of the whole device when upon the removal of a record from said screws the next notch of the screws contains no record.

1,540,377. PULL-SWITCH SOCKET. CHESTER E. WARREN, Berwyn, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1921. Serial No. 464,229. 4 Claims. (Cl. 173—354.)



1. A switch mechanism comprising a pivoted switch blade, oscillatable back and forth, a spring bearing on said switch blade, and shiftable back and forth past a dead center to cause oscillation of said switch blade, and means for shifting said spring comprising a link having one end connected with said spring, a crank-shaft having a crank portion connected to the other end of said link, a driven ratchet member for driving said crank-shaft, and a driving ratchet member for driving said driven ratchet member, said driven ratchet member comprising a flange portion for engagement with said driving ratchet member, and a boss portion integral with said flange portion for engagement with the crank-shaft, said driven ratchet member having an opening therein through which the crank-shaft extends, said boss having a notch therein, said crank-shaft having an offset portion forming the crank lying in said notch to prevent relative rotation between said driven ratchet member and crank-shaft.

1,540,378. MICROMETER END-CLEARANCE MACHINE. ROBERT B. WASSON, Cranford, N. J. Filed Aug. 24, 1921. Serial No. 495,076. 34 Claims. (Cl. 33—179.)

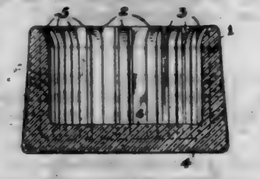


9. A machine for measuring the end clearance of piston rings comprising in combination a dimensioning, flexible band adapted to confine the ring in a loop, an anchorage for one end of the band, a clamp for the distal end of the band, a member carrying said clamp, means for adjusting said member, means for bodily moving said adjusting means and an indicator for showing the amount of the bodily movement of the adjusting means, thereby determining the end clearance.

11. A machine for measuring the end clearance of piston rings comprising in combination a dimensioning, flexible band adapted to confine the ring in a loop, means for anchoring one end of the band at one side of the path of the distal portion of the band, a clamp for the distal end of the band, means for bodily moving said clamp and an indicator for showing the amount of the said movement.

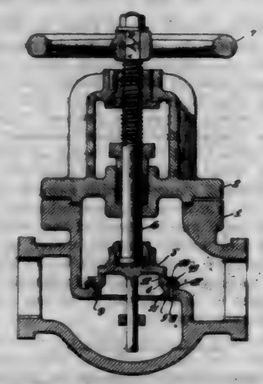
31. A machine for measuring the end clearance of piston rings comprising in combination a dimensioning, flexible band adapted to confine the ring in a loop, means for anchoring one end of the band at one side of the path of the distal portion of the band, a clamp for the distal end of the band, means for bodily moving said clamp, a bracket, means connected with said clamp for actuating the indicator, and an indicator pivoted to said bracket, for showing the amount of movement of said clamp.

1,540,379. SPONGE CUP. FRANK S. WEAVER, Bellevue Borough, Pa.; Sophia C. Weaver and Fidelity Title and Trust Company, administrators of the said Frank S. Weaver, deceased, assignors, by mesne assignments, to Defiance Sales Corporation. Filed Dec. 1, 1922. Serial No. 604,298. 5 Claims. (Cl. 91—54.4.)



1. A container for a desk sponge of cup like form having its floor provided with ribs to elevate the sponge out of contact with the floor of the container.

1,540,380. VALVE. WYLIE G. WILSON, Jersey City, N. J., assignor to Loose Seat Valve Company, a Corporation of Delaware. Filed Oct. 20, 1922. Serial No. 595,780. 11 Claims. (Cl. 251—167.)

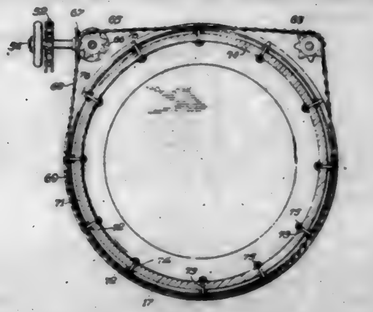


1. In a valve a gasket formed of suitable material to accomplish a seal between opposed surfaces, such gasket having the characteristic of being normally of uniform thickness and compressible and of a width greater than that of the opposed surfaces between which it is mounted, in combination with suitable opposed faces between which said gasket is mounted and means for pressing said faces together.

1,540,381. CONCRETE MIXER. JOHN G. WYNN, Madison, Wis. Filed Sept. 1, 1921. Serial No. 497,581. 9 Claims. (Cl. 82—73.)

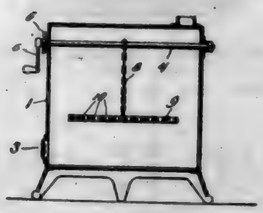
1. In combination, a concrete mixer, a driving chain having operative engagement with said mixer, a hoop

mounted on said mixer and having radially extending shoulders for receiving said chain therebetween and



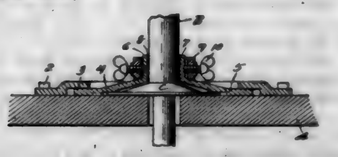
spaced attaching means forming teeth for engagement by the links of the chain, and means for spacing said hoop from said mixer circumferentially.

1,540,382. STRAW-BURNING DEVICE. FRANK O. ARMSTRONG, Altamont, Kans. Filed Apr. 2, 1924. Serial No. 703,789. 1 Claim. (Cl. 110—5.)



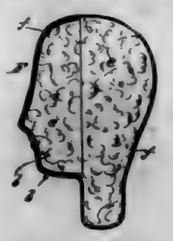
A straw burning device of the class described comprising a shaft adapted to be mounted for rotation in the upper portion of a stove, a hand crank connected to one end of said shaft, a ratchet wheel connected to said shaft, a pawl adapted for cooperation with the teeth of said ratchet wheel, a gravity lowered follower-weight adapted to be disposed for vertical movement within the body of the stove, said weight being of discular form and provided with a plurality of apertures and being of a predetermined diameter with respect to the body of the stove in which it is placed whereby to provide space between itself and the wall of the stove body, and a supporting and hoisting chain wound at its upper end upon said shaft and connected at its lower end to the center of said weight, whereby to permit free swinging of the latter so as to permit it to rest upon a burning fire of irregular form.

1,540,383. PUMP BASE. OLLIE P. BEARD, Holden, Mo. Filed July 7, 1924. Serial No. 724,682. 2 Claims. (Cl. 103—218.)



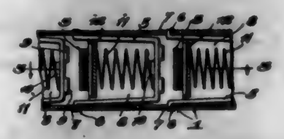
1. A pump base comprising a substantially rectangular shaped frame, a flange formed on the inner edges thereof, a pair of complementary sections slidable in said frame beneath said flange, upstanding semi-circular flanges provided on the inner opposed edges of said sections and adapted to encircle a pump, and means for securing said sections in locked engagement with the pump.

1,540,384. MANUFACTURE OF HEADS FOR DOLLS, MANIKINS, ETC. CHARLES BLOOM, New York, N. Y. Filed Jan. 28, 1924. Serial No. 689,033. 5 Claims. (Cl. 46—40.)



1. As an article of manufacture, a head of the character designated, comprising a physiognomic portion consisting of a basic plaque of relatively coarse woven fabric, a binder, and a surface cloth, the fabric being in superposed layers with the threads in crossed relation the said physiognomic portion being subjected to moist heat and die pressure the surface cloth being extended beyond the buckram layer to form marginal portions, and the marginal portion of the surface cloth being utilized to cover and adapted to enclose the filling material, substantially in the manner and for the purpose set forth.

1,540,385. LINK BRACELET. WILLIAM BOOTH, Attleboro, Mass., assignor to Guyot Bros., Attleboro, Mass. Filed June 27, 1924. Serial No. 722,817. 4 Claims. (Cl. 59—79.)

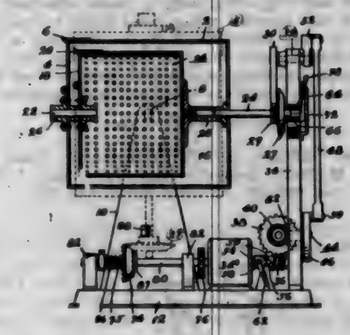


1. In a link-bracelet, links including boxes having openings in the sides thereof, U-shaped members in the boxes having their free ends turned outwardly and received in the openings of adjacent boxes, plates seated on the members and having fingers struck-out therefrom and engaged with opposite sides of the closed or base ends of the U-members, and coil springs between the plates and the backs of the boxes and engaged at their ends with the bases of the U-members and an end of the boxes, the free ends of the U-members being exposed and projecting outwardly from an end of the box thereof upon disconnection from the box of an adjacent link.

1,540,386. WASHING MACHINE. GEORGE T. BRYAN, Kansas City, Mo. Filed Apr. 2, 1923. Serial No. 629,365. 1 Claim. (Cl. 68—18.)

In a machine of the character described, a cylindrical casing, trunnions fixed to said casing, supports in which said trunnions are mounted so that the casing may be rocked to vertical and horizontal positions, a perforated drum mounted in and rockable with the casing, said drum being proportioned to leave a relatively large space between its bottom and the bottom of the casing when in vertical position, a shaft fixed to said drum and extending through one end of the casing, a gear

wheel fixed to said shaft, a segmental gear for imparting an alternate rotary motion to said gear wheel, a standard having a fixed bearing member constituting a stop for the shaft when adjusted to a horizontal position to engage the gear wheel with said segmental gear, a movable bearing member for holding the shaft in engagement with said fixed bearing member, mechanism for driving the segmental gear, and gearing coacting with a portion of said mechanism for driving the shaft in one direction when adjusted to vertical position.



1,540,387. TELEGRAPH RECEIVING APPARATUS. ARTHUR CLAUSING, Berlin-Charlottenburg, Germany, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany, a Corporation of Germany. Filed Jan. 25, 1924. Serial No. 688,503. 5 Claims. (Cl. 178—88.)



1. A receiving system for alternating and direct current telegraphy having an impulse current of indefinite frequency, in which system the impedance of the receiving apparatus is made substantially equal to the impedance of the circuit element from which the receiving apparatus receives the current, the value of said impedances being determined by a frequency constituting the succession of impulses of shortest duration in said impulse current of indefinite frequency for the purpose of transmitting the maximum amount of energy.

1,540,388. PORTABLE SAW. JOHN M. CROWE, Covington, Ky., assignor to The Crowe Manufacturing Company, Covington, Ky., a Corporation of Kentucky. Filed Apr. 19, 1923. Serial No. 633,178. 3 Claims. (Cl. 143—6.)



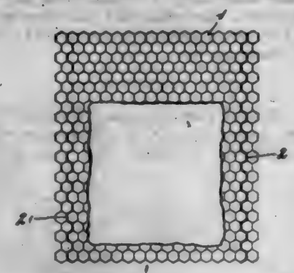
1. A portable motor saw device, comprising a readily portable slideway adapted to be applied to the work and governing the plane of operation of the saw and having means to freely abut the work to maintain the slideway at the desired angle across a face of the work, a carriage slidable on said slideway, a motor on the carriage, and a saw rotated by said motor and mounted to be freely rockable below and back from the plane of the slideway, and handle means on the same rockable mounting by which either the saw may be rocked or the carriage moved on the slideway.

1,540,389. COIN-CONTROLLED VENDING MACHINE. ROBERT FELTON, New York, N. Y., assignor to Jacob E. Hartle, jr., Newark, N. J. Filed Oct. 3, 1923. Serial No. 666,854. 12 Claims. (Cl. 194—2.)



11. In a coin-controlled machine, a casing-member provided with a coin-depositing opening, a delivery-element oscillatorily mounted with relation to said casing member, a coin-operated detent for locking said delivery-element, a coin-supporting means disposed beneath said opening, and a pawl co-operating with said coin-supporting means to permit, primarily, a single delivery operation of the delivery-element, and, secondarily, a greater number of delivery operations of the delivery-element.

1,540,390. RADIATOR AND METHOD OF MAKING SAME. ERNEST FLORY, Lowell, Mass., assignor to United States Cartridge Co., Lowell, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1922. Serial No. 602,253. 10 Claims. (Cl. 113—116.)



1. A radiator comprising an assemblage of tubes having polygonal ends interfitting together, the interfitting ends presenting a zig-zag outline at the side of the assemblage, a side wall having a similar outline fitting against said ends at the side of the assemblage, and means outside said wall having a similar outline interfitting with the wall.

1,540,391. PREPARATION OF MAGNESIUM CARBONATES. SOMA GELLÉRI, deceased, late of Budapest, Hungary, by Felice Gellèri, administratrix, Budapest, Hungary, and Anton Hambloch, Andernach, Germany. Filed July 7, 1921. Serial No. 483,064. 1 Claim. (Cl. 23—67.)

The herein described process for the production of magnesium carbonate from magnesium carbonates and magnesium silicates containing calcium, which consists

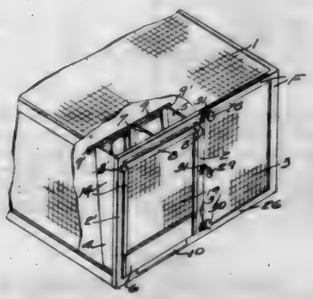
in calcining the minerals containing calcium and magnesium carbonates, then finely grinding the same and mixing with alkali metal-carbonates, dissolving in water, saturated with carbon dioxide, and heating to from 60° to 70° centigrade, separating the solution containing the magnesium with the alkali metal as a double carbonic acid salt from the precipitated calcium carbonates and from the other solid residues, and subsequently decomposing by heat into insoluble magnesium carbonate and alkali metal carbonate remaining in solution.

1,540,392. FRUIT THINNER. ALSTINE J. GROW, Hood River, Oreg. Filed July 24, 1923. Serial No. 653,495. 4 Claims. (Cl. 30—11.)



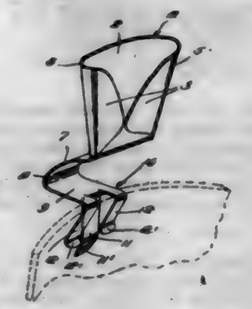
1. In a fruit thinner, a handle bar, a hook provided at the upper end of the handle bar, the upper or curved portion of said hook being of circular form and of circular cross section, a companion bar relatively slidable on the handle bar, and a knife-blade provided at the upper end of the companion bar.

1,540,393. HUTCH FOR SMALL ANIMALS. KARL F. O. HAACK, Jersey City, N. J. Filed Apr. 10, 1924. Serial No. 705,420. 3 Claims. (Cl. 119—20.)



3. In a hutch, a pivoted manger constructed of sheet metal and comprising a bottom trough having the front top edge bent forwardly to form a supporting ledge, a downwardly extending channel piece secured to the bottom of said trough to form a hinge support for the manger, a pair of sides secured to said trough and having inwardly extending flanges at the front edge, a pair of angle strips secured to said sides and having flanges spaced from said inwardly exending flanges on the sides, said pairs of spaced flanges forming guide channels in line with said supporting ledge, a frame removably supported in said channels and on said ledge, a cross strip secured to said angle strips at the top, and a cross strip secured to said sides at the rear top edge, said cross strips projecting beyond said sides to form stops for holding the manger in closed and open positions.

1,540,394. SPOON HOLDER. ORRIE P. HALL and NORA M. HALL, Louisville, Ky. Filed Mar. 1, 1924. Serial No. 696,249. 1 Claim. (Cl. 65—65.)



A spoon holder formed of a single piece of T-shaped sheet material, having the head portion formed with the end portion extending inwardly, and terminating in adjacent relation at one side of the central portion and cooperating therewith to form a tapered pocket, adapted to receive the bowl of a spoon, and support the same with the handle in a substantially upright position, and a stem portion on said head extending downwardly therefrom, said stem being formed with cooperating fingers at the lower end to provide a clamp for engaging the upper edge of a container and supporting the pocket on said container, the intermediate portion of the stem being formed to position the pocket inwardly of the edge of the container when the same is supported thereon.

1,540,395. SPEEDOMETER-DRIVING MECHANISM. GUY P. HENRY, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Apr. 29, 1922. Serial No. 557,278. 10 Claims. (Cl. 74—36.)



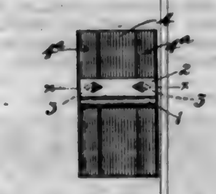
2. A speedometer drive mechanism comprising a driving member, a driven member having an external journal and an internal journal, an adjustable bearing for said external journal, an adjustable bearing for said internal journal, and means on said driven member and said internal journal bearing for limiting the axial movement of said driven member.

1,540,396. GILL SCREW. WILLIS HOLDSWORTH, Providence, R. I. Filed July 22, 1924. Serial No. 727,457. 4 Claims. (Cl. 19—129.)



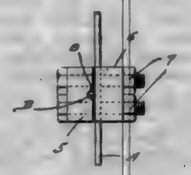
1. An improved gill-screw for gill-drawing frames formed with a cross-slot extending across its ends, and a faller-cam fastened to the end of the screw and provided with a key on its face engaging the slot in the screw to secure the cam rotatively therewith in certain definite relation with respect to the threads thereof.

1,540,397. PIN TUBE. WILLIAM S. HUNKINS, Los Angeles, Calif. Filed Jan. 20, 1925. Serial No. 3,566. 3 Claims. (Cl. 24—76.)



1. A pin tube tab end comprising a short strip of fabric, a sheet metal tube extending across an intermediate part of the same from edge to edge, a flange extending lengthwise of said tube, fastening devices formed integrally with said flange between the ends thereof, said fastening devices penetrating said fabric and being bent into holding engagement therewith.

1,540,398. WIRE CLAMP. NEWTON JACKSON, Newport, R. I. Filed Feb. 21, 1924. Serial No. 694,338. 1 Claim. (Cl. 287—49.)



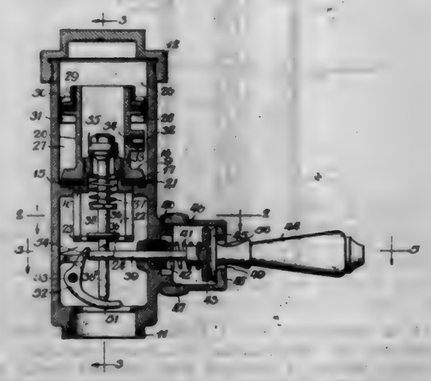
A clamp device for cross wires comprising a pair of plate members, said members being of the same configuration and the same relative dimension, each member having parallel side edges and provided in the vicinity of its ends with circular openings located midway between the parallel side edges, each member being provided at one of its faces with a channel having its side edges disposed at acute angles to the side edges of the member, said channel being located between the openings, and the edges of the channel intersecting the edges of the openings at the inner portions thereof and a pair of traction bolts passing through the openings of the members and disposed one at each side of both of the channels.

1,540,399. PHOTOGRAPHIC PRINTING. ROBERT W. JONES, Wilkes-Barre, Pa. Filed May 3, 1922. Serial No. 558,063. 15 Claims. (Cl. 95—75.)



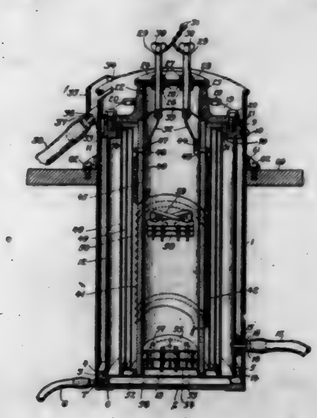
1. The combination in a photographic printing machine, with a light change box having a switch bar adapted to be progressively advanced step by step, to regulate the intensity of the printing light, indicia correlated with the switch bar to distinguish the several steps, a feeler to control the step by step advance of the switch bar; and a negative ribbon film having sections of varying densities, adapted to travel past the feeler, the negative ribbon having spaced mutilations to control the operation of the feeler; indicia applied to the sections of the film of varying densities to distinguish the latter, such indicia adapted to correspond with the indicia which distinguish the several step advances of the switch bar.

1,540,400. FLUSH-VALVE DEVICE. EDWARD L. KELLAN, Chicago, Ill. Filed Apr. 14, 1920. Serial No. 373,722. 18 Claims. (Cl. 137—93.)



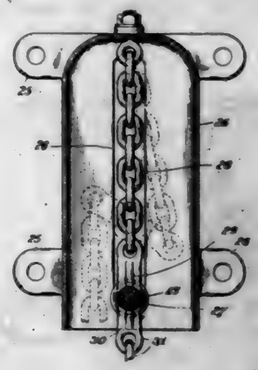
3. A flush valve comprising a casing having a liquid thoroughfare, a main valve to control the same, an auxiliary valve to control the main valve, an actuator for the auxiliary valve, a lifting element pivoted to the casing operatively connected between the auxiliary valve and the actuator, and cam means fixed on the casing to trip the operative connection at the limit of operation of the actuator.

1,540,401. VACUUM OVEN. MERVIN J. KELLY, New York, N. Y., and THOMAS R. GRIFFITH, Dover, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1920. Serial No. 405,768. 14 Claims. (Cl. 219—36.)



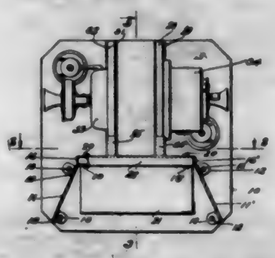
1. An electric oven having an air tight chamber, a heating member within said chamber adapted to receive a charge to be heated, a plurality of highly polished metallic plates surrounding the charge to confine the heat to the vicinity of the charge.

1,540,402. APPARATUS FOR MANIPULATING RAILWAY-CAR BRAKES. AUGUSTUS F. KLASING, Chicago, Ill., assignor to The Klasing Car Brake Company, a Corporation of Colorado. Filed Oct. 8, 1920. Serial No. 415,572. 18 Claims. (Cl. 74—110.)



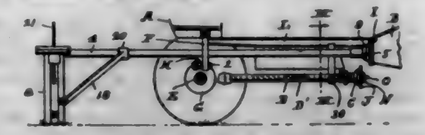
1. In combination with a railway car and its brakes, apparatus for manipulating the brakes comprising a winding member of relatively small diameter having an arm extending therefrom, a flexible element connected with the brakes and with said arm so that, on rotation of the winding member, the flexible element is given a movement of considerable amplitude through the swinging movement of the arm and is then wound around the portion of the member which is of small diameter, means for rotating said winding member and giving to the same a translatory movement, and means sharing the translatory movement of the winding member for retaining the same in any desired position of rotation.

1,540,403. MUNICIPAL SERVICE POST. OSCAR D. KLEINSTEUBER, Milwaukee, Wis., assignor of forty one-hundredths to Hugo A. Kleinsteuber, Milwaukee, Wis. Filed Nov. 9, 1922. Serial No. 599,868. 1 Claim. (Cl. 177—377.)



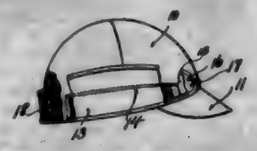
A device for insertion into the compartment of a municipal service post, said device having transverse and longitudinal panel units provided with signalling devices, a base having a transverse trough for receiving said transverse panel unit and having a pair of troughs extending outwardly with reference to said first mentioned trough and adapted to receive the longitudinal panel units with one vertical edge of each abutting a face of said transverse panel, means for releasably locking said transverse panel in place, and a spider bracket having a channel for receiving the upper edge of said transverse panel and having means for holding the upper end of each of said longitudinal panels.

1,540,404. POWER-TRANSMITTING ATTACHMENT FOR MOTOR VEHICLES. ALBERT KOHL, Pleasanton, Kans. Filed Aug. 25, 1924. Serial No. 733,934. 4 Claims. (Cl. 180—63.)



1. In a power transmitting attachment for motor vehicles, a mandrel, a universal joint at the forward terminal of said mandrel for connection with the transmission mechanism of said motor vehicle, and elongated shackles connecting the rear spring to the rear spring hangers of said vehicle to permit the rear axle and propeller shaft assembly of the vehicle to move forwardly or backwardly to a limited degree independently of the rear spring and chassis while said universal joint is being connected or disconnected from the power transmission mechanism of the vehicle.

1,540,405. CAP. GEORGE J. KROMER, Milwaukee, Wis. Filed Apr. 18, 1922. Serial No. 554,969. 1 Claim. (Cl. 2—172.)



In a cap, the combination of a crown, a semi-rigid peak secured thereto, a slide stitched to the said crown adjacent the lower edge thereof, and normally extending upwardly from such lower edge, the stitching joining such slide and such crown extending beyond the ends of said peak and over a material portion of such

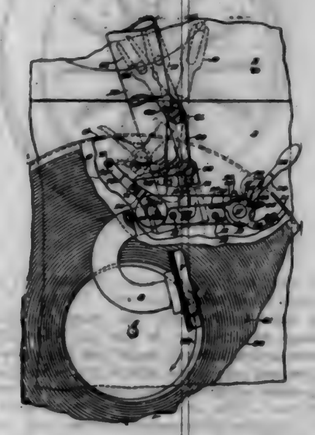
peak adjacent the ends thereof, said slide having an abrupt front end located a material distance forwardly of the ends of said peak, a flap, said slide and said flap being stitched together on a line intermediate the upper and lower edges of said flap and extending to the abrupt front end of said slide, said flap extending forwardly beyond the ends of said slide, and means joining the ends of said flap and positioned over said peak, whereby said slide normally lies flat against said crown without a projecting fold, and whereby the front ends of said slide are drawn directly downwardly and said peak is constricted by said slide when said flap is drawn downwardly and thereby tension said flap, and whereby a secure overlapping joint is secured between the overlying slide and said peak.

1,540,406. FOOD-PRESERVING CAN. EDWARD M. LANG, Jr., 3d, Portland, Me. Filed Aug. 23, 1921. Serial No. 494,667. 2 Claims. (Cl. 220—81.)



1. A food preserving can having an outwardly turned flange at one end and a cover for said can having an upright portion immediately inside of said can body and having a cover sealing flange connected with said upright portion and a relatively rigid metal gasket interposed between said can flange and cover flange, the said can flange, metal gasket and cover flange being rolled or folded together to form an involute sealing joint said gasket gripping the joint and being wide enough to extend down into the interior of the can between said upright portion and the side of the can to prevent by its gripping action the opening of the sealing joint.

1,540,407. STOP MECHANISM FOR TALKING MACHINES. WILLIAM D. LA RUE, Philadelphia, Pa., assignor to Victor Talking Machine Company, a Corporation of New Jersey. Filed Jan. 8, 1923. Serial No. 611,248. 34 Claims. (Cl. 192—122.)



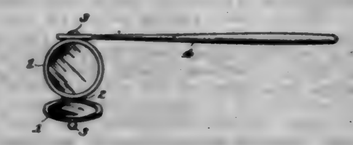
1. The combination with a talking machine having a rotatable record support and sound reproducing means adapted for movement across said support, of stop mechanism for the support comprising a stop member, relatively movable members one cooperative with the stop member and the other cooperative with said sound reproducing means, a rack carried by one of the movable members, and a pawl carried by the other movable member and adapted for cooperation with the rack.

1,540,408. CYCLE-CRANK-HANGER BRACKET. JULIUS M. LOHN, Laporte, Ind., assignor to Great Western Manufacturing Company, Laporte, Ind., a Corporation of Indiana. Filed July 9, 1924. Serial No. 725,030. 3 Claims. (Cl. 208—95.)



1. A cycle crank-hanger bracket comprising, in combination, a barrel having an opening therein the wall of said opening being turned to form a nipple, a reinforcing and frame-tube-receiving sleeve having a reduced inner-end portion and a shoulder abutting against the inner face of the nipple and flush therewith, said sleeve being spread outwardly at its inner-end to bear against the internal surface of the barrel, whereby to clamp together said shoulder and nipple in abutting relation, and a frame-tube the inner end of which contacts with the outer face of the nipple and with the external surface of the barrel thereby forming triple thickness of metal at the joint between said tube and barrel.

1,540,409. DENTAL MIRROR. RICHARD EARL MCCRAY, Fairmont, W. Va. Filed Jan. 29, 1924. Serial No. 689,327. 2 Claims. (Cl. 32—27.)



1. A device of the character described, comprising a pair of mirrors hingedly connected, headed studs on the free ends of the mirrors and at a point adjacent the hinge thereof, a handle having a longitudinally slotted end with a flared entrance thereto, and having a pair of openings in the slotted portion adapted to receive the headed stud in either of them.

1,540,410. MACHINE FOR SHAPING AND CUTTING TOFFEE, CANDY, OR LIKE SWEETMEAT. HORACE ELTON MARTIN and RICHARD ANSON HARRIS, Peterborough, England. Filed Nov. 26, 1924. Serial No. 752,486. 2 Claims. (Cl. 107—21.)

1. In toffee and like shaping and cutting machines, the combination comprising a plurality of pairs of toffee feeding rolls having their passes in alignment, means for imparting intermittent rotary movement to said rolls, a die coaxial with the said passes, a trough at

right angles to the axis of the die, means whereby the forward portion of the toffee is severed after its projection by the rolls through said die and across said

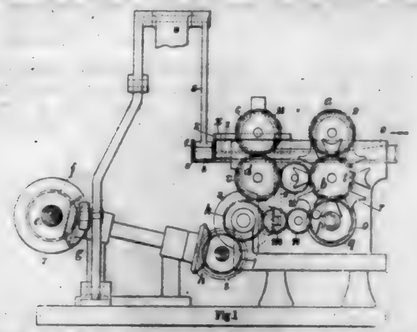
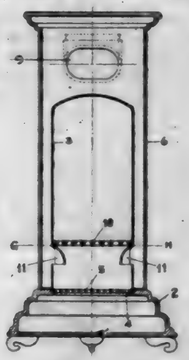


Fig 1

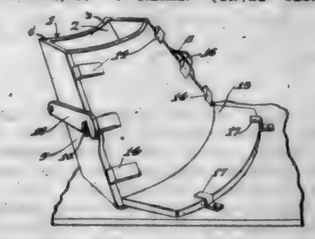
trough, and means for abutting against one end of said severed portion and pushing the same along the trough.

1,540,411. STOVE. TORANOSUKE MATSUMOTO, Osaka, Japan. Filed Feb. 5, 1923, Serial No. 617,000. Renewed Feb. 28, 1925. 1 Claim. (Cl. 126—58.)



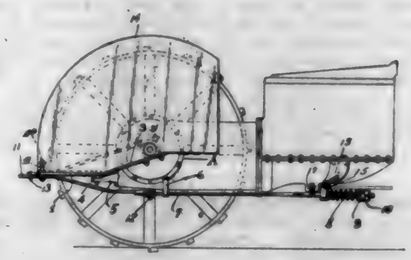
A stove having an outer case and an inner case spaced apart to form a smoke passage around the inner case, an upper grate, and a lower grate that receives fuel dropping from the upper grate, the products of combustion through the smoke passage serving to preheat fuel on the upper grate.

1,540,412. CROWN MOLD. JOHN A. MAYBERRY, Bell, Calif., assignor of one-fifth to Thomas A. Mayberry, one-fifth to James T. Mayberry, one-fifth to George O. Heffner, and one-fifth to W. E. Alderson, all of Huntington Park, Calif. Filed June 21, 1923. Serial No. 646,787. 9 Claims. (Cl. 25—121.)



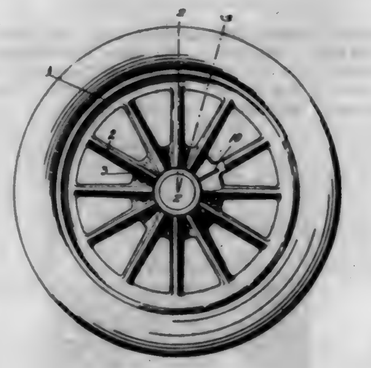
2. In a crown mold, a tapered closure plate having parallel top and bottom edges and provided with a basal flange.

1,540,413. TRACTOR ATTACHMENT. PLEASANT MILNER, Crowley, La. Filed Feb. 27, 1924. Serial No. 695,590. 3 Claims. (Cl. 280—33.9.)



1. In combination with a tractor, a bracket connected with the under part of the crank case and having an eye therein, a yoke member having a stem thereon passing through the eye, a spring on the stem and bearing against a part thereon and against the bracket, a draw bar movably connected with the bight of the yoke member, a platform frame connected with the rear part of the tractor and means for adjustably connecting the draw bar with said platform.

1,540,414. WHEEL FOR AUTOMOBILES OR OTHER VEHICLES. LEON MONTUPET, Paris, France. Filed Aug. 16, 1923. Serial No. 657,800. 3 Claims. (Cl. 301—65.)

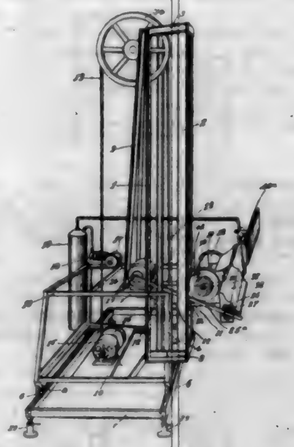


2. In a wheel, a one-piece cast metal hub member, a metal lining ring member in the hub member, one of said members having integral studs and the other member having apertures into which the studs project for locking the lining member in the hub member.

1,540,415. STUCCOING AND PLASTERING MACHINE. ENRICO MORELLI, Cincinnati, Ohio. Filed Feb. 18, 1925. Serial No. 8,901. 7 Claims. (Cl. 72—130.)

5. A plastering device comprising a supply box with an outlet aperture therein and means causing the discharge

of material within the supply box through the outlet aperture, and a discharging compartment connected with the supply box outlet aperture with combined mechani-



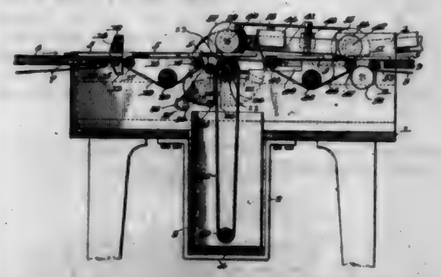
cal and pneumatic means in the discharging compartment for ejecting the material from said compartment onto a wall.

1,540,416. FOUNTAIN PEN. RYOSUKE NAMIKI, Tokyo, Japan. Filed July 23, 1924. Serial No. 727,735. 3 Claims. (Cl. 120—46.)



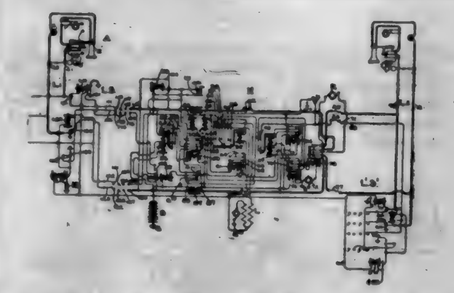
1. In a fountain pen, the combination with a barrel, an inner flexible ink reservoir of flexible material, a resilient means to press and release the flexible reservoir, a pen holder and a pen, of a means, to actuate said resilient means, consisting of a fixed member of one piece of oblong metal plate folded back along the centre line, having two tongues one at each end and holding feet to fix itself in position to said barrel, and a movable metal member of one piece, U shaped in section, having a forked end to bestride and to be pivoted to said fixed member and flattened at the other end to form a picker, said barrel being provided with a longitudinal opening to receive said actuating means and through which said actuating means are operated to actuate said resilient means.

1,540,417. GLAZE MACHINE. JOHN B. OWENS, New York, N. Y. Filed Nov. 4, 1922. Serial No. 599,116. 9 Claims. (Cl. 91—54.)



1. In a machine for glazing tiles, the combination with means for applying the glaze to the tiles, of an endless apron for delivering the tiles to said glazing means, means for cleaning the tiles before they pass to the endless apron, and another endless apron to which the grazing means delivers the tiles after they have been glazed, said last named apron removing the glazed tiles.

1,540,418. AUTOMATIC TELEPHONE TRUNKING SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 19, 1918. Serial No. 250,617. 24 Claims. (Cl. 179—18.)

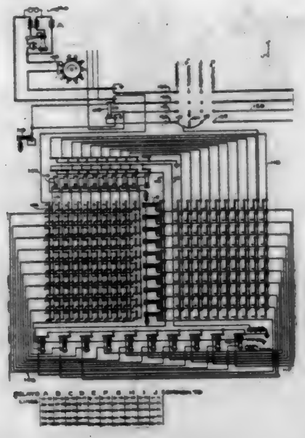


1. In a telephone system, the combination with a line switch, a line relay therefor, a plurality of sets of stationary contacts for the said line switch, each of the said sets of contacts being connected to a trunk line circuit, sets of home point contacts for the said switch, one of the said sets of home point contacts being interposed between adjacent sets of trunk point contacts, line switch wipers, means to cause the said line switch wipers to move from a contacting set of home point contacts, under the control of the said line relay, means to cause the said line switch wipers to move from a busy set of trunk contacts, said first-named and said last-named moving means including a motor magnet for the said switch, and means associated with each of the said trunk circuits responsive to the idle condition thereof, to disable the said motor magnet to stop the said switch wipers upon its set of contacts.

1,540,419. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed Dec. 28, 1920. Serial No. 433,877. 6 Claims. (Cl. 179—18.)

1. In a telephone exchange system, a plurality of telephone lines divided into groups, a selecting switch for

the use of of each telephone line, independent operating means for each switch, a group of relays common to each one of said groups of lines and less in number than the



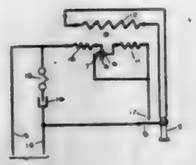
number of said telephone lines for controlling the operating means of the selecting switch of the calling line, and operating circuits for certain of said relays including said telephone lines.

1,540,420. AUTOMATIC TELEPHONE SYSTEM. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed May 28, 1921. Serial No. 473,483. 14 Claims. (Cl. 177—18.)

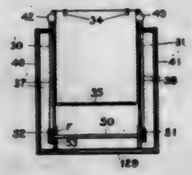
1. In an automatic telephone system, an incoming circuit, a relay responsive to impulses transmitted over said incoming circuit, said relay being provided with normally open and normally closed contacts, progressively movable switches, magnets for advancing the same, and operating circuits for said magnets completed alternately at said normally open and said normally closed contacts.

1,540,421. TELEPHONE CIRCUITS. WINFRED T. POWELL, Rochester, N. Y., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y., a Corporation of New York. Filed June 5, 1924. Serial No. 718,141. 9 Claims. (Cl. 179—81.)

9. In a telephone net-work, a pair of line conductors, a normally open bridge including a two-element transmitter connected across said line conductors, a second bridge including a ringer and a condenser connected across said line conductors, a hookswitch for opening said first mentioned bridge, a telephone receiver, and a closed circuit for said receiver conductively separated from but inductively connected to said first bridge.

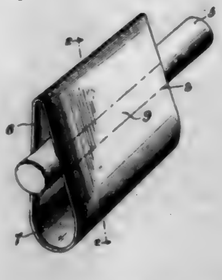


1,540,422. BOX FOR BOBBIN TRUCKS. ARTHUR D. RAMSAY, Lowell, Mass. Filed Jan. 28, 1923. Serial No. 614,458. 2 Claims. (Cl. 280—50.)



2. The combination in a box for empty bobbins, of means to attach it to a truck, with a vertically slidable false bottom, and means for raising and lowering and for holding such false bottom in position, including a drive shaft, lifting pulleys fixed thereto, a ratchet wheel fixed to said shaft, a check pawl in engagement therewith, means to throw such check pawl out of action, a driving pawl in engagement with said ratchet wheel, foot operable means for operating said driving pawl, top pulleys located at the top of the box, and flexible members which pass over such pulleys and connect at one end with such false bottom and at the other end with said lifting pulleys.

1,540,423. GUIDE VANE. PAUL J. RESS, York, Pa., assignor of one-half to Eugene U. Gibbs, York, Pa. Filed Apr. 21, 1924. Serial No. 708,065. 6 Claims. (Cl. 253—122.)



1. A guide vane comprising two plate sections bent to form substantially V-shapes, a stem arranged between the plate sections and welded to the ends thereof.

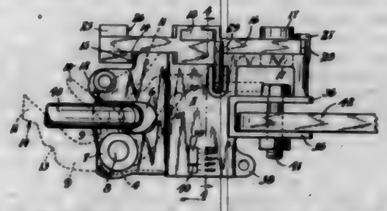
1,540,424. METHOD OF PRODUCING NITROCELLULOSE EXPLOSIVES. WALTER PHILIP REGESTEIN, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed July 17, 1919. Serial No. 311,512. 9 Claims. (Cl. 52—20.)

1. The method of preparing nitrocellulose propellent powder which consists in colloiding a mixture of nitrocellulose having a portion not soluble in, and a portion soluble in, the solvent used for colloiding, and incorporating a soluble solid body in the colloid, and then simultaneously, and in a single step, removing said solvent and said solid body.

1,540,425. ART OF MAKING ZIRCONIUM COMPOUNDS. LONNIE W. RYAN, Chicago, Ill., assignor to Lindsay Light Company, Chicago, Ill., a Corporation of Illinois. Filed May 28, 1923. Serial No. 641,008. 2 Claims. (Cl. 23—22.)

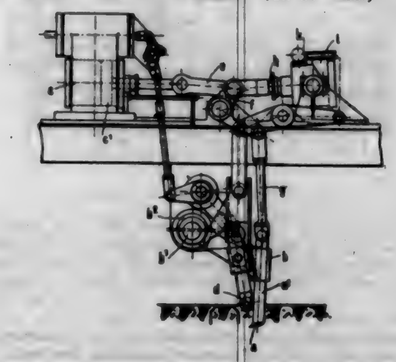
1. The method of preparing granular basic zirconium sulfate which comprises adding sodium chloride to an aqueous zirconium sulfate solution and subsequently adding an alkali thereto.

1,540,426. CONVERTIBLE HITCH DEVICE. MARTIN A. SAGEN, Edmore, N. Dak., assignor of one-third to Hilbert J. Nyhus, Edmore, N. Dak. Filed Apr. 27, 1923. Serial No. 635,000. 8 Claims. (Cl. 280—33.15.)



1. A draft device comprising a casing, a latch pivoted at one end thereof, a member mounted to aline and engage with said latch, said member being movable in two directions substantially at right angles to each other into positions out of engagement with said latch, and resilient means resisting movement of said latch in both directions.

1,540,427. PROCESS FOR WEEDING. AUGUSTE SCHEUCHZER, Renens, near Lausanne, Switzerland, assignor to Ferrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Filed May 5, 1924. Serial No. 711,301. 2 Claims. (Cl. 37—105.)



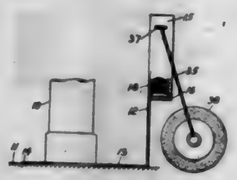
1. In railroad track weeding machines having knives which as may be required are introduced into and withdrawn from the ballast and worked by a servo-motor a process consisting in coupling the piston of a compressed air cylinder arranged coaxially with and facing the cylinder of the servo-motor to the piston of this latter and to the operating member of the knife and in introducing air into the compressed air cylinder on the piston side facing the servo motor so as to counteract the movement of the piston of the servomotor and to have the length of stroke of the knives determined by the initial pressure of the air cushion all as described.

1,540,428. FOUNTAIN BRUSH. WILLIAM SEVERNS, Chicago, Ill. Filed July 15, 1922. Serial No. 575,821. 1 Claim. (Cl. 15—128.)



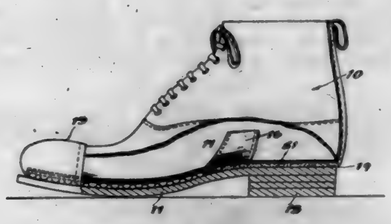
In a fountain brush, a pair of spaced parallel scrubbing elements, a nozzle disposed therebetween having perforations directed only toward said scrubbing elements, a pin extending through said nozzle, a supporting block for the brush having an aperture for receiving said nozzle, said block having alined grooves on opposite sides of said aperture for receiving said pin to hold said nozzle in proper position with its perforations directed toward said scrubbing elements, and a hollow handle secured to said block for receiving the outer portion of said nozzle interiorly thereof.

1,540,429. ATTACHMENT FOR TYPEWRITERS AND THE LIKE. CHARLES V. SHIPLEY, San Leandro, Calif., assignor to J. H. Riding, Oakland, Calif. Filed Jan. 19, 1925. Serial No. 3,315. 1 Claim. (Cl. 242—98.)



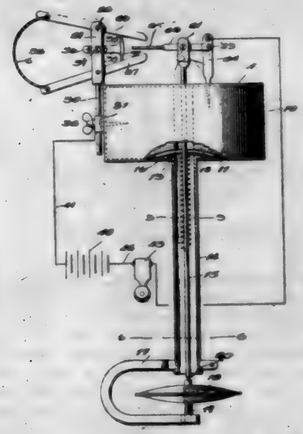
In a device of the class described, a sheet-metal supporting frame comprising an upright portion and a horisontal anchoring foot portion, the upright portion having a relatively large area at the top thereof, a housing carried by the upper end of the upright portion, one side of said housing closed by a fitted cover plate and the opposite end closed by the said area of the upright portion, a spool in said housing, said spool provided with journals, a bearing formed in the upright portion and in said cover plate for the said journals, said spool having an attached cord adapted to carry an eraser on the free end thereof, the cord being wound upon the spool and adapted to unwind therefrom through an opening in the housing, spring means supported in the spool and to the cover plate to restrain the cord in the unwinding therefrom, and further means supported in the spool to check and hold a desired length of the cord unwound from the spool, said latter means consisting of a pivoted pawl having a tooth adapted to engage an indent in the said upright bearing, and the said cover plate provided with an opening for the insertion of means to turn the cover to tighten the said spring restraining means when the spring becomes weak through service.

1,540,430. INSOLE FOR SHOES. WILLIAM BEVERLY SIMS, Portland, Oreg. Filed May 25, 1922. Serial No. 563,508. 3 Claims. (Cl. 36—3.)



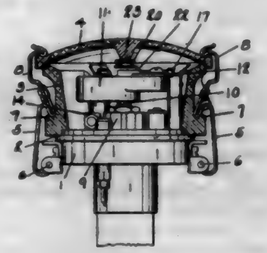
1. A ventilating insole consisting of a strip of leather comprising a heel and forward half portions, adapted to be removably fitted within a shoe and rest upon the sole thereof, said insole having a multiplicity of perforations through the forward half only, a multiplicity of studs projecting from the lower face of said forward half, said studs being so positioned with relation to each other as to define an unstudded perforated area at that portion of the said forward half that will normally lie under the ball of the foot of the wearer whereby to provide a yieldable support for that part of the foot.

1,540,431. INCUBATOR REGULATOR. SIEGMUND SIPERSTEIN, Pensacola, Fla. Filed July 18, 1923. Serial No. 651,392. 1 Claim. (Cl. 200—140.)



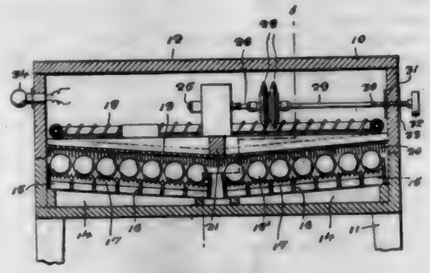
In a thermostatic control for incubators, a supporting member, an inwardly extending sleeve carried by the supporting member, an inwardly extending movable operating rod disposed in the sleeve, means for actuating the rod, an adjustable supporting post carried by the support, a pair of contact arms pivoted to the post at a point equidistant their ends, means normally urging the inner ends of the arms toward one another, an adjustable member regulating the distance between the inner terminals of the arms, a stationary post, a movable contact member pivoted at its inner ends to the post, and means pivoting the movable contact member at a point equidistant its ends to the operating rod, the free end of the movable contact plate being disposed between the inner terminals of the arms.

1,540,432. IGNITION APPARATUS. JOHN H. SPANBURG, Jackson, Mich., assignor of twenty-six one-hundredths to George L. Cotton, Jackson, Mich. Filed Apr. 22, 1922. Serial No. 556,122. 7 Claims. (Cl. 200—21.)



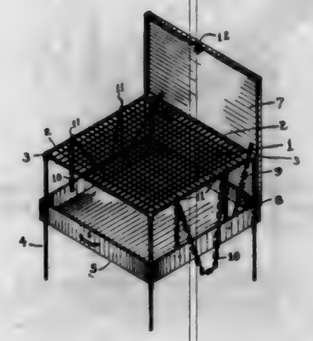
2. In an ignition apparatus, the combination of a body member, a timer mechanism provided with a distributor brush mounted on said body member, an annular distributor member removably mounted on said body member and constituting a housing for said mechanism and having contacts mounted on the inner side thereof to contact with said distributor brush, the parts of said timer mechanism mounted on said body being exposed for adjustment and cleaning when said distributor member is removed, a removable cap for said distributor member, and retaining hooks for said distributor member mounted on said body and provided with auxiliary hooks engaging said cap, said auxiliary hooks being adapted to be released without releasing said distributor member so that the cap may be removed without affecting the operation of the mechanism.

1,540,433. ELECTRIC INCUBATOR. ANTHONY JOHN STAFF, Colorado Springs, Colo. Filed Mar. 28, 1924. Serial No. 702,701. 2 Claims. (Cl. 119—36.)



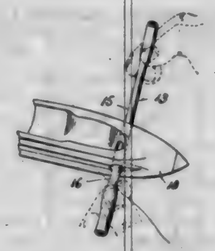
1. An incubator comprising a box like body portion and including a bottom having oppositely inclined sections, egg trays adapted to be supported on said bottom and including spaced parallel resilient elements between which the eggs are supported, an electric circuit, an electric heating element included in said circuit, automatically operable means for regulating the temperature of the incubator, a flexible heat distributing element having a fur side arranged to contact the adjacent surface of said eggs, whereby the heat is uniformly distributed from said heating element to the eggs, said resilient elements of the egg tray supporting the eggs with a slight pressure against said heat distributing element, said element having a configuration similar to that of said bottom.

1,540,434. CAMP STOVE. ARTHUR C. STONE, Rochester, N. Y. Filed Mar. 12, 1924. Serial No. 698,759. 7 Claims. (Cl. 126—9.)



1. The combination with a cooking grate having legs depending therefrom, a receptacle for enclosing said grate having openings in its bottom through which said legs extend, and means for suspending said receptacle from the cooking grate so that the receptacle may act as a fire pan for the grate.

1,540,435. MEANS FOR MOUNTING A BUSHING OR THE LIKE IN AN OPENING. WILLIAM A. TEBO, Anthony, R. I. Filed Apr. 30, 1924. Serial No. 710,098. 6 Claims. (Cl. 29—88.2.)



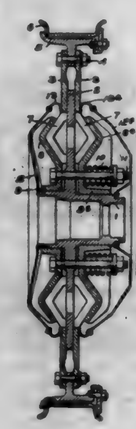
1. The method of securing an article within an opening, which consists, in placing the article within the opening with an elastic material under longitudinal tension, from opposite directions and lying between the article and the walls of the opening and then releasing the tension.

1,540,436. ROTATING ROTARY JAR. CHARLES E. THOMAS, Los Angeles, Calif. Filed Oct. 29, 1924. Serial No. 746,534. 10 Claims. (Cl. 294—86.)

10. In a rotary jar having a mandrel and a sleeve slidable thereon, means for causing the mandrel and the sleeve to be locked against relative rotation, means for causing the sleeve upon upward movement to impart a jar to the mandrel, and means for releasably retaining the mandrel and sleeve in such position as to be locked against relative rotation.

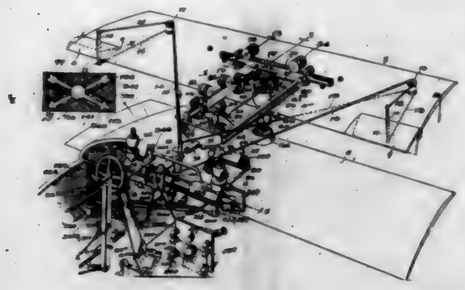


1,540,437. VEHICLE WHEEL. GEORGE P. THOMAS, Glenshaw, Pa. Filed Mar. 23, 1922. Serial No. 545,958. 5 Claims. (Cl. 152—28.)



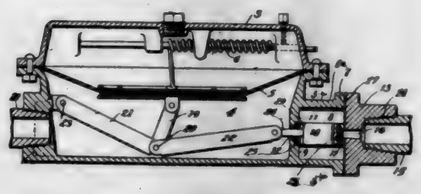
1. A vehicle wheel, comprising a hub, a felloe, a friction disk clutch having one element connected to the hub and the other to the felloe and forming the sole connection between the hub and felloe, and spring-impelled wedging members urging the clutch elements to concentric position and increasing the friction between them when they are moved to eccentric positions, the elements of said clutch being capable of unlimited relative angular movement resisted by said spring-impelled members.

1,540,438. AIRCRAFT STABILIZER. JAMES HENRY THOMPSON, Hollidays Cove, W. Va. Filed Oct. 26, 1922. Serial No. 597,115. 57 Claims. (Cl. 244—29.)



1. In combination with the stabilizing means of an aircraft, mechanism with connections to said means for the operation thereof, a source of pressure fluid, a source of electrical energy, electro-mechanical means adapted to cause the introduction of said fluid into said mechanism, an automatic control adapted to direct said electrical energy to actuate said electro-mechanical means according to deviations of the aircraft and cause the restoration thereof through corresponding functioning of said pressure-fluid mechanism, and an emergency control in connection with said fluid source adapted for manual operation to actuate said fluid mechanism independently of said electro-mechanical means to compensate for said deviations in the aircraft even while the functions of said automatic control are complete.

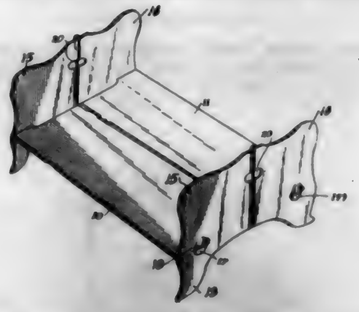
1,540,439. GAS REGULATOR. WALTER I. THRALL, Pasadena, Calif., assignor to Reliance Manufacturing Company, Pasadena, Calif., a Corporation of California. Filed May 12, 1924. Serial No. 712,718. 3 Claims. (Cl. 50—26.)



3. In a gas-regulator, the combination of a casing having a pressure chamber for the gas, said casing having a face on its outer side constituting a fitting seat with a valve-chamber formed in said seat, a valve with means for guiding the same in said chamber, a safety valve seat at the inner end of said valve-chamber and having a port therethrough communicating with the pressure chamber, pressure controlled mechanism within the casing having a stem carrying the valve and passing through said port, and a fitting constituting a distinct part independent of said safety valve seat secured on the said fitting-seat having means for admitting the high pressure gas with an inlet port and seat cooperating with the outer end of the valve to regulate the pressure.

1,540,440. TOY. FREDERICK G. TREBIG, New York, N. Y. Filed Mar. 27, 1923. Serial No. 628,038. 2 Claims. (Cl. 5—40.)

1. In a toy, a frame comprising a rib and angularly disposed pintles, plate-like members each having an edge oscillatably mounted on the rib, pairs of wing members at the ends of the plate-like members, each wing member of a pair having its edge oscillatably mounted on



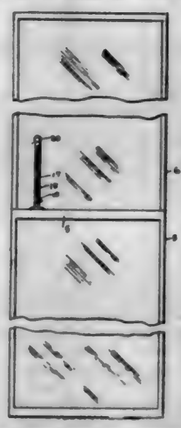
one of the pintles, and means for effecting an interlocking engagement between each plate-like member and one of the wings at each end.

1,540,441. CLOTHES-LIFTING DEVICE FOR BOILERS. OLOV WALLO, Minneapolis, Minn. Filed Mar. 13, 1924. Serial No. 698,021. 5 Claims. (Cl. 68—30.)



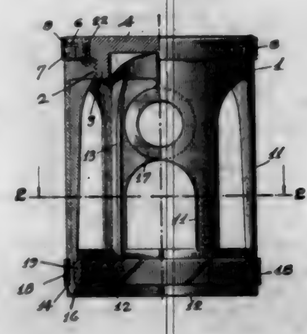
1. A device for handling articles in liquid comprising sections of perforate flexible material connected to form a container with closed sides, a closed loop of rigid material at one end of said container, said sections having end portions adapted to be drawn together to close the end of said container, and means for drawing said portions together at each end of said container.

1,540,442. VENTILATING WINDOW LOCK. LEO T. WARD, Springfield, Mass. Filed Mar. 12, 1923. Serial No. 624,308. 2 Claims. (Cl. 292—277.)



1. A ventilating window lock consisting of a tubular guide having a longitudinal slot and a lateral extension therein at one end of the slot and a base carrying the tubular guide to permit of a rotative movement of the guide in the base, and a companion member having a slidable bolt adapted to be moved into the lateral extension of the slot and to slide in said slot when the tubular guide is turned.

1,540,443. PISTON. MORRIS C. WHITE, San Francisco, Calif. Filed May 22, 1922. Serial No. 562,688. 8 Claims. (Cl. 74—108.)



1. A piston comprising a body portion internally threaded at one end thereof; a head having a threaded extension engaging the threads of the body portion, said head being shouldered adjacent the body to form a groove; a split ring mounted within the groove; and a continuous ring of ductile metal rigidly secured between the head and the body, said ring being provided with an outwardly extending portion shaped to enclose the split ring and to be expanded thereby slightly away from the side of the head to permit internal pressure within the cylinder to enter between the head and the outwardly extending ring portion to expand the same against the wall of a cylinder to prevent leakage past the piston.

1,540,444. MATRIX-FORMING PROCESS. GLENN H. WILLIS, Akron, Ohio, assignor, by direct and mesne assignments, of one-third to Frank Lahey, Akron, Ohio, and one-third to V. V. Messer Manufacturing Company, Inc., Long Island City, N. Y., a Corporation of New York. Filed Oct. 3, 1923. Serial No. 666,397. 4 Claims. (Cl. 18—53.)

4. The process of making reproductions, which consists in making impression matrices by confining a mass of sponge rubber compound within a limited space with an article to be reproduced, in curing and expanding said compound in a softened condition until said space is completely filled and an impression of said article imparted thereto, and in molding reproductions of said article in the matrix thus produced after removing said article.

1,540,445. GELLIKE ABSORBENT AND PROCESS OF MAKING SAME. ROBERT E. WILSON, Cambridge, Mass., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md., a Corporation of Maryland. Filed Jan. 28, 1920. Serial No. 354,690. 11 Claims. (Cl. 23—300.)

11. In a process of producing gel-like absorbents, preparing dilute solution of ferric salt, allowing same to age one to four days and precipitating with an alkali solution, the strengths of said solutions being from 6 to 10%.

1,540,446. ALUMINUM GELLIKE ABSORBENT AND PROCESS FOR MAKING SAME. ROBERT E. WILSON, Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md. Original application filed Jan. 28, 1920, Serial No. 354,690. Divided and this application filed July 9, 1924. Serial No. 725,037. 8 Claims. (Cl. 23—143.)

2. A partially hydrated gel-like aluminum oxide absorgent.

1,540,447. CUPRIC GELLIKE ABSORBENT AND PROCESS OF MAKING SAME. ROBERT E. WILSON, Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md. Original application filed Jan. 28, 1920, Serial No. 354,690. Divided and this application filed July 9, 1924. Serial No. 725,038. 9 Claims. (Cl. 23—147.)

1. A hard, rough, gel-like material consisting essentially of cupric hydroxide.

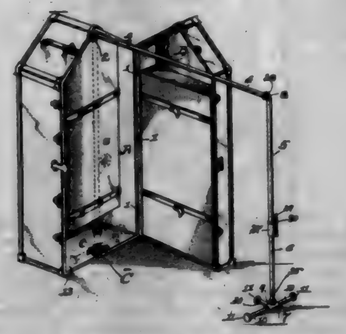
8. In a process of producing a gel-like absorbent, washing by decantation a cupric hydroxide absorbent after precipitation, kneading and then drying same first at about 110° C. in air, and then about 150° C. in a vacuum.

1,540,448. CATALYTIC AND ABSORBENT MATERIAL. ROBERT E. WILSON, Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md., a Corporation of Maryland. Filed Mar. 10, 1922, Serial No. 542,791. Renewed Oct. 1, 1924. 19 Claims. (Cl. 23—234.)

1. Highly porous, highly infrangible, granular material comprising essentially metal, the pores of which are ultra-microscopic.

6. In a process of making a metal in a highly porous form, dehydrating and reducing a gel-like, partially-hydrated oxide of the metal.

1,540,449. TRUNK FIXTURE. ROBERT L. WILT, Chicago, Ill., assignor to Wilt Trunk Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1922. Serial No. 606,031. 2 Claims. (Cl. 211—15.)



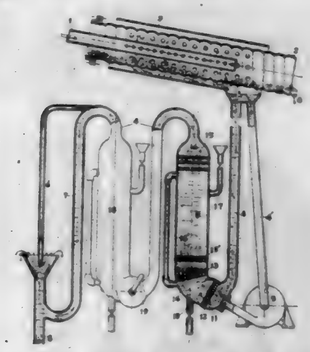
1. In a receptacle having a clothes hanging compartment, the combination with a suspension device pivotally secured to the top of the compartment of an apertured base for said device provided with three rigid radially-extending supporting arms, a fixture secured to the floor of said compartment and provided with grooves shaped to receive said arms, and means carried by said fixture adapted for movement into the aperture in said base and to detachably secure the latter in position within said fixture.

1,540,450. WINDOW STOP. EDWARD L. WOOD, Detroit, Mich. Filed Jan. 12, 1922. Serial No. 528,771. 8 Claims. (Cl. 292—194.)



1. In combination with a frame having an opening and a slidable closure therefor, a socket member carried by the closure, a pintle cooperating therewith and swingable about an axis at right angles to the plane thereof and removable therefrom when the closure is substantially closed, and means for preventing the stop from being removed from the closure when the latter is open to an appreciable extent.

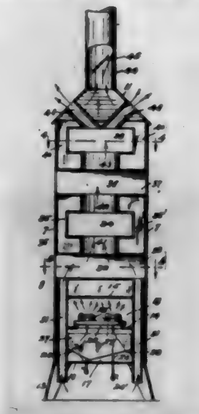
1,540,451. GOLD-DUST EXTRACTOR. KEIZO YANO, Nishiku Osaka, Japan. Filed July 1, 1921, Serial No. 481,893. Renewed Feb. 28, 1925. 5 Claims. (Cl. 83—67.)



1. A gold-dust extractor comprising a charging drum for metal-bearing gravel, a revolving filter drum within the charging drum, a water injection drum within the filter drum, a series of amalgamation drums each provided with a plurality of nozzles, a shelf having compartments for amalgam, and shelves with apertures for flow of water within said amalgamation drums, all connected in series to form a continuous passage from the charging drum to and through the amalgamation drums, and pipes connected with the last amalgamation drum, with their outlets directed to oppose each other, mercury being supplied into the amalgamation drums.

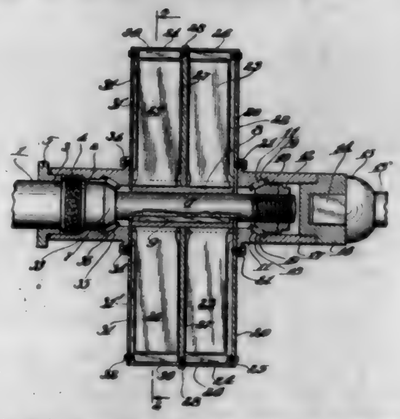
1,540,452. AUXILIARY HEATER. AUGUST ZACHARIAS, Minneapolis, Minn. Filed Nov. 3, 1923. Serial No. 672,525. 8 Claims. (Cl. 126—93.)

1. A heater comprising a casing, transverse air ducts extended through said casing and interconnected by vertical air tubes, a primary combustion chamber in the lower portion of said casing, and an oil burner in said combustion chamber, the sides of said air ducts being spaced from the sides of the casing to afford tortuous



flame passages extended from said combustion chamber upward and between the sides of the casing and air ducts and under and over said transverse air ducts and terminating at its upper extremity in an outlet stack.

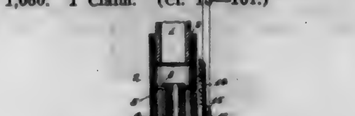
1,540,453. FLUID-POWER TRANSMISSION. JOSEPH E. ARAVE, Los Angeles, Calif. Filed Jan. 24, 1924. Serial No. 688,131. 2 Claims. (Cl. 192—58.)



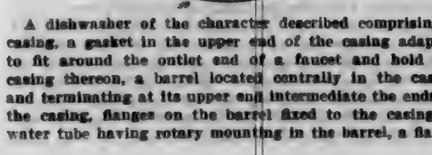
1. A fluid power transmission comprising the combination with a driving and a driven shaft, a resistance housing mounted upon the driven shaft; said housing consisting of a closed cylinder, radial ribs formed on all of the interior surfaces of said closed cylinder, and a partition secured within said cylinder and dividing it into two compartments, two sets of radial blades secured to said driving shaft, each set being adapted to rotate within one of said compartments, and fluid in said compartments.

1,540,454. PROCESS OF CLEANING CONVEYING AND SUPPORTING ELEMENTS. JOHN T. AYERS, Lachute, Quebec, Canada. Filed Feb. 2, 1920. Serial No. 355,797. 2 Claims. (Cl. 92—50.)

1. A process of renovating fabrics, which comprises subjecting the fabrics successively to washing and drying actions, the washing action being effected by directing jets of cleaning fluid against one surface of the fabric, and applying suction to the opposite surface, and the drying being effected by drawing out cleaning fluid from the fabric and drawing air through the fabric.



1,540,455. NAME PLATE. WILLIAM E. BECK, Herrick, Ill. Filed Feb. 19, 1925. Serial No. 10,414. 2 Claims. (Cl. 40—17.)



2. As an article of manufacture, a name plate holder comprising a rectangular blank of material slit inwardly from opposite side edges thereof in spaced relation to the ends thereof, the material between the slits being folded upon one side of the body in spaced relation thereto, the body having a longitudinally extending opening, the heads formed outwardly of said slits being provided with transversely extending openings of slightly greater width than the body.

1,540,456. LITHOPONE AND PROCESS OF MAKING SAME. JAMES ELIOT BOOCK, Wilmington, Del., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del., a Corporation of Delaware. Filed Sept. 27, 1923. Serial No. 665,228. 31 Claims. (Cl. 134—78.)

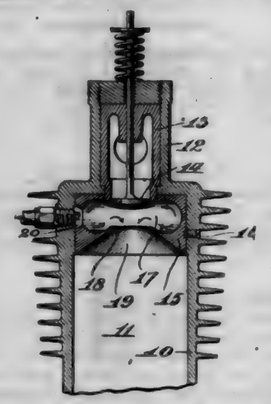
1. A process of improving the paint grinding properties of a light-resistant lithopone which comprises treating a slurry of the calcined, quenched, and ground lithopone with a substance whose aqueous solution has an acid reaction, until the slurry shows an acid reaction to methyl red indicator, and washing the resulting lithopone until it is substantially free of acid.

1,540,457. DISHWASHER. ELSA BOYANCE and MARIE PEKARY, New York, N. Y. Filed Jan. 7, 1925. Serial No. 1,060. 1 Claim. (Cl. 15—101.)



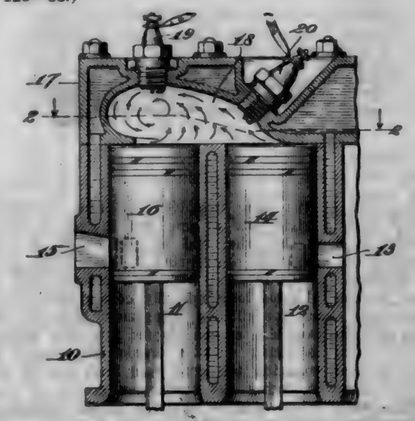
A dishwasher of the character described comprising a casing, a gasket in the upper end of the casing adapted to fit around the outlet end of a faucet and hold the casing thereon, a barrel located centrally in the casing and terminating at its upper end intermediate the ends of the casing, flanges on the barrel fixed to the casing, a water tube having rotary mounting in the barrel, a flange at the upper end of said tube resting on the upper flange of the barrel to support the tube in its lowermost position, said tube having an outwardly flared lower end, a mop secured around the lower end of the tube, intermeshing gear wheels on the casing and tube respectively, and a handle on one of said gear wheels, the gears cooperating to prevent upward movement of the tube in the barrel.

1,540,458. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed Aug. 2, 1923. Serial No. 655,268. 5 Claims. (Cl. 123—191.)



1. A member adapted to be positioned in the head portion of an internal combustion engine cylinder, said member being provided with a chamber that is adapted to communicate with the gaseous fuel inlet port in said cylinder, and said chamber being formed so as to cause the admitted gaseous fuel to flow outwardly and downwardly and thence inwardly and upwardly through said chamber before discharging therefrom.

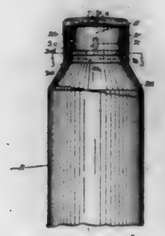
1,540,459. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor of one-half to Homer A. Brunell, Los Angeles, Calif. Filed July 31, 1924. Serial No. 729,800. 4 Claims. (Cl. 123—53.)



2. An internal combustion engine having a pair of combustion cylinder chambers, one of said chambers having a gaseous fuel inlet port and the other chamber hav-

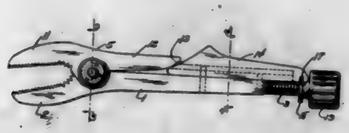
ing an exhaust port, a head closing said cylinders, said head having a combined compression and combustion chamber that serves as a common clearance space for the two combustion cylinder chambers, the opening into said clearance space from the combustion cylinder chamber having the inlet ports being smaller in area than the opening between said clearance space and the combustion cylinder chamber having the exhaust port, ignition means seated in the head and projecting into said common clearance space at a point above the combustion cylinder chamber having the gaseous fuel inlet ports, and an ignition device seated in said head and projecting into the common clearance space at a point above the combustion cylinder chamber having the exhaust port.

1,540,460. COLLAPSIBLE TUBE. MARTIN L. BYRNE, Syracuse, N. Y. Filed July 31, 1924. Serial No. 729,302. 6 Claims. (Cl. 221—60.)



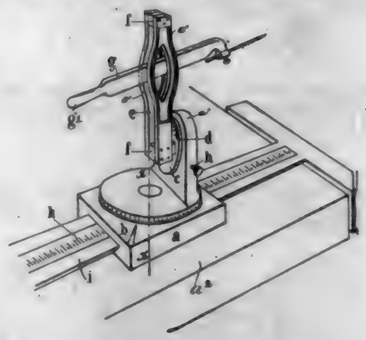
1. A collapsible tube having a normally open neck, said neck having a discharge slot in one side, a cap for closing said neck, said cap comprising concentric cylindrical members which are spaced to receive therebetween the said neck, the said members having discharge slots in the corresponding sides adapted to register with the slot of the neck when the cap is extended, and means for automatically restoring the cap to the closed position for stopping the discharge through said slots.

1,540,461. PLIERS. JOSEPH L. CHRISTLIEB, Grants Pass, Oreg. Filed Feb. 6, 1924. Serial No. 691,000. 2 Claims. (Cl. 81—116.)



1. A tool of the class described including a shank formed with a rigid jaw at one end thereof, a stud securely fixed at the other end of said shank, a jaw pivoted to the shank and confronting the first-named jaw, an extension formed integral with said pivoted jaw, a wedge member slidable longitudinally of and along one edge of the shank for slidable engagement between the shank and the extension of the pivoted jaw, said wedge member being provided with a transverse groove, a threaded knob engaging the stud, said knob having an annular collar engaging the transverse groove of the wedge member whereby upon rotation of the knob the wedge member may be moved along the shank towards the jaws for swinging the extension of the pivoted jaw outwardly and thereby forcing the pivoted jaw towards the jaw of the shank.

1,540,462. PROTRACTING SCRIBER. ANTOINE DESTOMBES, Paris, France. Filed Jan. 30, 1920. Serial No. 355,142. 4 Claims. (Cl. 33—169.)



1. In a device of the character described, a socket member, a drum mounted for rotary movement in said socket member, a guide member carried by and projecting radially of said drum having resilient gripping portions, and a scribing point holder adjustably mounted directly in said resilient gripping portions of said guide, said resilient gripping portions exerting pressure on said holder whereby to frictionally retain the latter in adjusted position.

1,540,463. DRAFT MEANS. LORING B. DOE, San Francisco, Calif., assignor to William H. Metson, San Francisco, Calif. Filed Sept. 28, 1922. Serial No. 591,171. 2 Claims. (Cl. 280—33.5.)



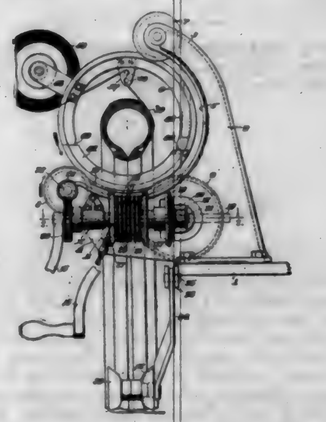
1. A draft means for connecting a drawn vehicle to a tractive vehicle comprising sheaves rotatively mounted on adjacent parts of said vehicles and a flexible member secured at each end to one of said vehicles and reeved zig-zag through said sheaves, alternating from a sheave on one vehicle to a sheave on the adjacent vehicle.

1,540,464. PLIERS. CHARLES S. EDWARDS, Prineville, Oreg. Original application filed Mar. 17, 1923, Serial No. 625,793. Divided and this application filed Feb. 29, 1924. Serial No. 696,054. 4 Claims. (Cl. 294—44.)



1. In a device of the class described, comprising the following elements in combination; a relatively stationary body having a handle portion, a stationary jaw, a vertical guide bore, cut out portions merging with and passing through the guide bore, and slotways forming adjustable fulcrum supports; a movable jaw guided by the guide bore; an actuating lever; a lever fulcrum pin having parallelly flattened sides; and a plurality of co-operative communicating bearing portions for supporting the fulcrum pin in varied adjustments.

1,540,465. WRAPPING MACHINE. FREDERICK F. FELDHAUS and ROBERT H. NOAH, Akron, Ohio, assignors to The Akron Rapatire Company, Akron, Ohio, a Corporation of Ohio. Filed Apr. 9, 1923. Serial No. 630,868. 8 Claims. (Cl. 242—6.)



1. In a tire wrapping machine, a standard, a rotary shuttle therein and a roller for supporting and advancing a tire through the shuttle and means to rotate the shuttle and the tire comprising a shaft, the roller being freely movable on the shaft, means to drive the shuttle from the shaft, and means to drive the roller from the shuttle.

1,540,466. CHIMNEY CAP. EARNEST FINCH, Akron, Ohio. Filed Jan. 27, 1923. Serial No. 615,298. 1 Claim. (Cl. 98—4.)

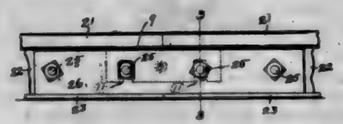


A device of the class described, adapted to be used in connection with a chimney having an upstanding sleeve, the device comprising a hollow body having internal transverse baffles, the lower edges of which are adapted to rest on the chimney to support the device, the lower edges of the baffles being spaced above the lower edge of the body, so that the lower edge of the body will form a depending flange adapted to extend about the chimney, the inner edges of the baffles being adapted to engage the sleeve to space the flange from the periphery of the chimney, a table disposed above the body, standards supporting the table upon the body, and a hollow top having a recess receiving the table, the top being supported on the table and being closed by the table to form an air chamber located in the path of the products proceeding from the body, the chamber serving to heat the table for a time after the products have ceased to flow through the body, the table and the top being thick enough to prevent rapid conduction.

1,540,467. MANUFACTURE OF PURE 1-NITRO-2-METHYL ANTHRAQUINONE. HANS EDUARD FIERZ, Kilchberg, near Zurich, Switzerland, assignor to Society "Chemical Works" formerly Sandoz, Basel, Switzerland. Filed Aug. 9, 1924. Serial No. 731,212. 3 Claims. (Cl. 260—57.)

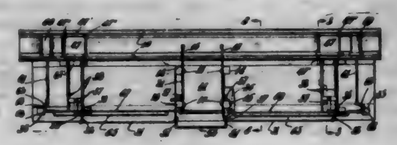
1. The process for the manufacture of pure 1-nitro-2-methylanthraquinone, consisting in heating for some time the crude nitromethylanthraquinone in an aqueous suspension with salts of sulfurous acid.

1,540,468. RAIL END AND HEAD SUPPORT. EDWARD M. FITZGERALD, Springfield, Mo. Filed Dec. 1, 1924. Serial No. 753,164. 3 Claims. (Cl. 238—244.)



1. A rail end and head support comprising a single rectangular sheet of metal of uniform thickness and having spaced apart cut away portions extending inwardly from and at right angles to one of its longitudinal edges, a relatively narrow portion of said sheet adjacent the opposite longitudinal edge being bent so as to lie at an angle to the remainder of said sheet, to the end that said sheet will lie snugly against the web and between the underside of the ball of a rail and the upper edge of a fish plate, the cut away portion permitting track bolts to pass therethrough and prevent said sheet from creeping when in use.

1,540,469. CATTLE GUARD FOR RAILROAD TRACKS. ILKO HARMATA, Wilkes-Barre, Pa., assignor of one-fifth to Bronislaw Waszkal, Wilkes-Barre, Pa. Filed July 17, 1924. Serial No. 726,460. 3 Claims. (Cl. 246—293.)



2. In a railroad track, a pair of gates normally extending across the track and spaced along the latter from one another, supporting elements on which said gates are slidably mounted, depressible devices located adjacent the track rails remote from the respective gates, a rock shaft mounted adjacent each gate to which the respective devices are operatively connected, operative connections between the said rock shafts and the respective gates, and connecting means leading between the said rock shafts whereby the latter are caused to be moved in unison upon depression of either of said devices.

1,540,470. MUD HOOK. JOHN F. HAYDEN, Galion, Ohio. Filed Oct. 6, 1924. Serial No. 741,961. 2 Claims. (Cl. 152—14.)

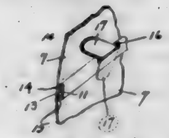
2. The combination with a vehicle wheel, a hub plate carried thereby, a bolt connecting said plate with the

wheel hub, and a tire carried by the wheel, of a mud hook engaging over the tire and provided at its inner end with a shank extending toward the hub, a link pro-



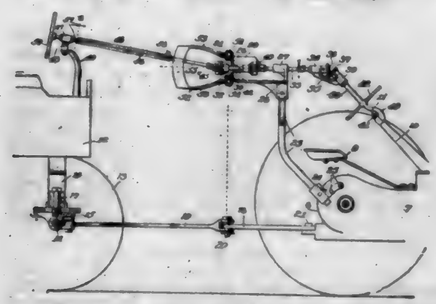
vided at its inner end with an opening accommodating said bolt and anchored to the wheel by said bolt, and means connecting the link with the hook shank.

1,540,471. STOVEPIPE. JOSEPH L. HEMP, St. Louis, Mo. Filed Aug. 25, 1924. Serial No. 733,932. 2 Claims. (Cl. 126—309.)



1. A stove pipe formed of a single sheet of material having one edge inwardly bent forming a U shaped recess, the closed portion of said recess being provided with openings, the opposite edge of said sheet being inwardly offset and adapted to enter the U shaped recess so as to leave the exterior of said pipe free from projections, and inclined tongues of substantially the same width as the opening carried by said offset edge and adapted to pass through said openings whereby said offset edge is tightly held within the U shaped recess and the ends of the pipe are held in alignment.

1,540,472. STEERING MECHANISM FOR TRAILERS. ALVIN G. HEUER and FRED T. HEUER, Bureau Township, Bureau County, Ill. Filed July 18, 1923. Serial No. 652,339. 7 Claims. (Cl. 180—77.)



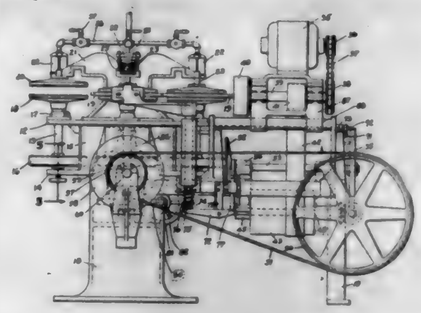
1. The combination with a pulling vehicle having steering wheels, and a trailer, of steering mechanism for steering said pulling vehicle by a person on said trailer comprising rotatable shafts disposed in a longitudinal series, universal joints connecting said shafts together, and a head pivotally supported to swing in a substantially horizontal plane and containing a substantially vertically-disposed slot into which the one of said shafts which extends rearwardly from the rear universal, extends.

1,540,473. MEASURING-INSTRUMENT ATTACHMENT. ALFRED H. HITCHCOCK, Mittineague, Mass. Filed Mar. 9, 1923. Serial No. 623,899. 1 Claim. (Cl. 33—167.)



As an improved article of manufacture, a measuring instrument attachment comprising a holder consisting of a semi-cylindrical part, lateral rings extending from the semi-cylindrical part, and an annulus at one end of said semi-cylindrical part, a portion of said annulus extending over the space between the said wings, there being notches in opposite sides of the holder to enable such portion to extend over such space, and to separate the same from said wings, such portion and the opposite edge of said annulus being interiorly flanged to form a socket, and a ball loosely arranged in such socket and projecting beyond the same to contact with the anvil of the measuring instrument and the work.

1,540,474. GRINDING AND SMOOTHING MACHINE FOR GLASSWARE. FORREST L. HITCHCOCK, Indianapolis, Ind., assignor to The Marietta Manufacturing Company, Indianapolis, Ind., a Corporation. Filed July 14, 1922. Serial No. 574,968. 3 Claims. (Cl. 51—132.)

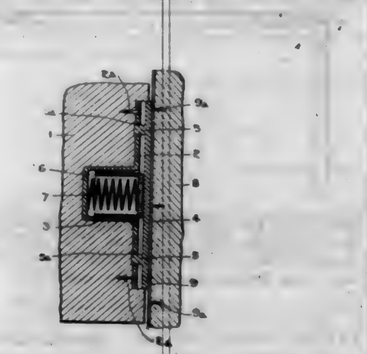


1. A machine for grinding or abrading the circular edge of a piece of work, comprising a supporting table, a plurality of clamping members mounted on said table for clamping said work in position, a grinding element mounted adjacent said members in position to engage the edge of the work for grinding the same, power driven mechanism for rotating said clamping members, and pneumatic means for forcing one of said clamping members against the other under pressure for clamping the work therebetween and permitting the free rotation thereof.

1,540,475. STOP FOR SLIDING WINDOW SASHES AND THE LIKE. GEORGE FARGHER HIGHT and THOMAS WILLIAM BROWN, Auckland, New Zealand. Filed Feb. 24, 1923. Serial No. 621,053. 1 Claim. (Cl. 292—74.)

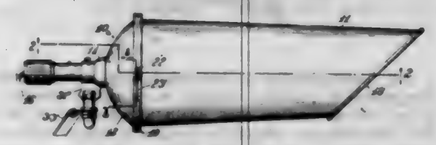
An improvement of the character described, comprising, a sash, a guide frame for the sash, a pressing means, including an apertured socketed plate recessed into and

fixed to an edge of the sash, a slide plate recessed into the said edge of the sash and having pins received in the apertures of the socketed plate, a thimble casing positioned in the socket of the plate with its closed end



against the sliding plate, and an expanding spring bearing against the end of the socket and the end of the thimble casing, and forcing the sliding plate against the guide frame.

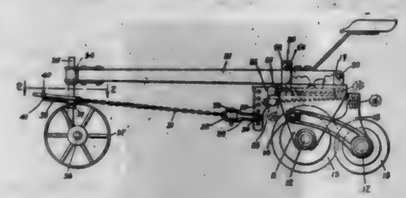
1,540,476. LAMP. PETER M. HOFFMAN, Des Plaines, and CHARLES DOERING and HENRY H. DOERING, Chicago, Ill., assignors to Doering Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 12, 1923. Serial No. 624,381. 6 Claims. (Cl. 240—484.)



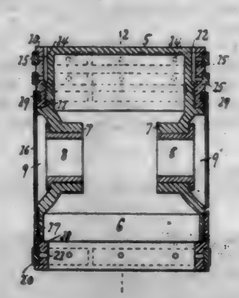
1. In a lamp of the character described, a bulb-holding reflector provided with a rim or flange, a tubular shield of length greater than the diameter of said reflector and tapering toward the front, with the front end beveled rearwardly downward, the rear end of the shield being provided with an enlarged rearwardly bent flange adapted to receive the rim or flange of the reflector, a lens removably mounted in the flange of said shield, and clamping elements adapted to pass through said shield flange and engage rearward of the rim or flange of the reflector to removably clamp the shield to said reflector.

1,540,477. AGRICULTURAL IMPLEMENT. JOHN I. HOKE and LYNN I. HOKE, South Bend, Ind. Original application filed May 28, 1921, Serial No. 473,527. Divided and this application filed Aug. 7, 1922. Serial No. 580,018. 2 Claims. (Cl. 280—82.)

1. The combination of a device of the character described having a tongue, and a forecarriage construction pivotally connected to the free end of tongue for a reduced turning, a draft means connected at one end to the device and at its other end to said forecarriage and projecting beyond the latter, and a connection independent of the forecarriage and tongue pivotal connection and between the forecarriage and the projecting portion of said draft means for permitting pivotal movement of the forecarriage and the projecting portion relative to said draft means.

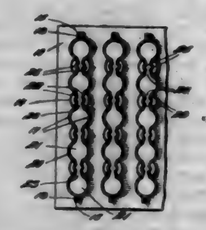


1,540,478. PISTON. THOMAS KEENAN, Brooklyn, N. Y. Filed Sept. 8, 1924. Serial No. 735,561. 6 Claims. (Cl. 74—108.)



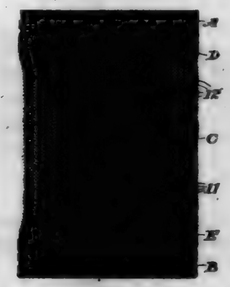
1. A piston having a head with a depending skirt, an annular member connected to the skirt, packing rings carried by the member, and means arranged between the member and skirt for admitting air to the back of the packing rings.

1,540,479. RADIATOR CORE. WILLIAM J. KEITH, Cranston, R. I., assignor to Motor Radiator Corporation of America, Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1924. Serial No. 721,411. 3 Claims. (Cl. 257—130.)



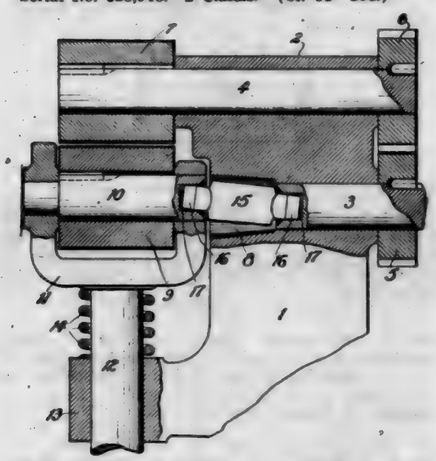
1. In a radiator core of the type set forth, fins provided with openings comprising a plurality of communicating cavities, and water conductors fixed in the openings comprising longitudinal tubular portions filling certain of the cavities, and longitudinal neck portions joining the tubular portions and extending through others of the cavities out of contact with the fins.

1,540,480. ELASTIC WEBBING. WALDEMAR KOPS, New York, N. Y., assignor to Kops Bros., Inc., a Corporation of New York. Filed May 10, 1924. Serial No. 712,225. 6 Claims. (Cl. 139—422.)



1. In an elastic webbing having an elastic and an inelastic section, inelastic warp and weft threads, and elastic strands, all of which are interwoven in the inelastic section while in the elastic section the elastic strands are only interwoven with the threads running angularly thereto.

1,540,481. SHAFT CONNECTION. HARRY W. KRAG, St. Louis, Mo., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Filed Mar. 30, 1923. Serial No. 628,946. 2 Claims. (Cl. 64—104.)



2. In a skiving machine, a standard, a bearing mounted thereon for limited movement transversely of its axis, a shaft journaled in said movable bearing, a feed roller fixed to said shaft, a driving shaft journaled in said standard parallel with said feed roller shaft and with one end adjacent thereto, the adjacent ends of said feed roller shaft and said driving shaft being formed with polygonal recesses, and a member disposed between the adjacent ends of said shafts and having end portions of pyramidal form with flat sides fitting in the polygonal recesses therein, whereby said member is adapted to transmit power from said driving shaft to said feed shaft in all positions of movement of the latter.

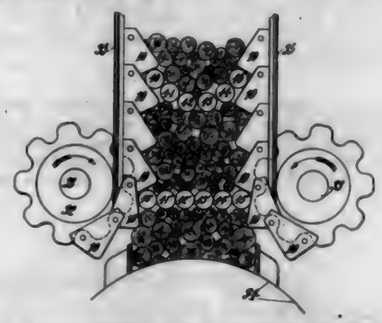
1,540,482. ADJUSTABLE FRAME. HENRY N. LANDAAL, Horicon, Wis. Filed Nov. 12, 1923. Serial No. 674,238. 3 Claims. (Cl. 40—155.)

1. An adjustable frame, comprising corner sections, intermediate members having a sliding engagement with said corner sections, means carried by said intermediate members to assist in forming a binding engagement between said corner members and the intermediate members, and threaded bolts projecting from the mid-



portions of the rear sides of said corner sections adapted to pass through the corners of a poster or the like to attach the same to said frame members, a nut member being further provided for each bolt.

1,540,483. WOOD GRINDER. RICHARD LANG, Wurttemberg, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1924. Serial No. 702,712. 10 Claims. (Cl. 83—75.)



1. A wood grinder of the continuous working type, comprising a grinding element, a magazine above the same, and an endless feed chain at opposing sides of the magazine, for positively feeding a charge of wood blocks against the grinding element, said feed chains consisting of wedge like links each having its lower charge-pressing surface of contact inclined against the horizontal under a fixed angle not greater than the known angle of repose between wood and metal, for providing a non-sliding gripping engagement between the said surface of contact and the surface of the wood blocks.

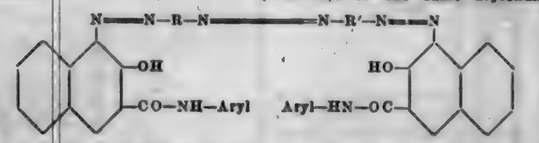
1,540,484. HUMIDOR. LAWRENCE MARTIN LARSEN, Chicago, Ill. Filed Aug. 29, 1923. Serial No. 659,927. 1 Claim. (Cl. 131—80.)



In combination with a tobacco can and cover, a humidor comprising a casing having semicircular ends, and provided with apertures in its top wall, a resilient clip secured transversely on said casing, a corrugated end on said clip adapted to engage with the tobacco can cover, whereby said humidor is held yieldingly in slanting engagement therewith.

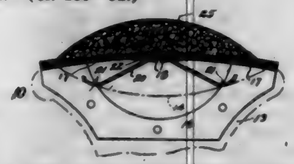
1,540,485. TRISAZO DYE. AUGUST LEOPOLD LASKA and ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Apr. 14, 1923. Serial No. 632,130. 8 Claims. (Cl. 260—72.)

1. As new products the azodyestuffs, insoluble in water, of the general formula:



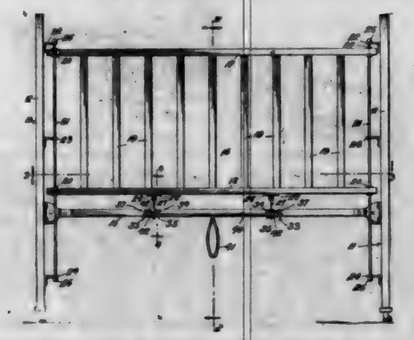
can be used for the production of valuable pigment colors and give, when produced on the fiber, black-violet to black shades of an excellent fastness to washing.

1,540,486. CRUTCH. FRANCIS X. LENGS, Cleveland, Ohio. Filed June 11, 1923. Serial No. 644,635. 9 Claims. (Cl. 135—62.)



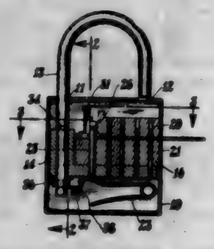
9. In a device of the class described, the combination with the arm piece of a crutch, of a bridge member having portions thereof engaging the sides of the arm piece, and having intermediate portions engaging the top of the arm piece, a pair of inwardly extending arms integral with the bridge member, said arms having the opposed ends thereof spaced from each other, and each having a slot therein, a leaf spring having the ends thereof slidably engaging the arm piece, and having the intermediate portion extending through said slots, and a pad carried by said arms.

1,540,487. CRIB. EDWIN LYDING, Brooklyn, N. Y. assignor to Montauk Metallic Bed Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Jan. 5, 1925. Serial No. 534. 5 Claims. (Cl. 5—100.)



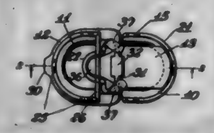
1. In a crib of the character described having end-frames, side-rails and a vertically slidable side mounted on vertical guide rods secured to said end-frames, means for supporting said side in its upper position and trip mechanism for cooperation with said supporting means, said supporting means comprising dog-arms pivotally connected at their upper ends to said side and to swing transversely of the crib and brackets secured to a side rail and adapted to be engage by and interlock with said arms when the side is in its upper position, and said trip mechanism comprising a longitudinal rod carried by said side rail and adapted to have rocking motion, said rod having a depending handle to be turned transversely of the crib for turning said rod, and crank members back of the lower ends of said arms for pressing against and moving said arms, when said handle is turned inwardly, out of the vertical planes of said brackets, for permitting the crib-side to move to its lower position.

1,540,488. PADLOCK. JOSEPH MATALONI, Mason City, Iowa. Filed Oct. 22, 1924. Serial No. 745,072. 5 Claims. (Cl. 70—108.)



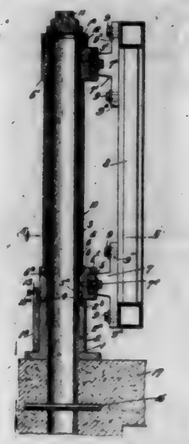
1. A padlock comprising a casing, a block slidable longitudinally in said casing, a shackle mounted in said block for rotary movement, a plunger pin fixed to said block, an apertured ugide member in said casing through which said pin projects, a spring urging said shackle to unlocked position, and a device adapted for release by a key engaging over the end of said pin to hold the shackle in locked position, said device being in the form of a leaf hinged to the said guide member.

1,540,489. CLASP DEVICE. HYMAN MELTZER, Brooklyn, N. Y. Filed May 12, 1923. Serial No. 638,466. 5 Claims. (Cl. 292—246.)



1. In a clasp device of the class described, a main body portion composed of sheet metal, a lock member mounted in recesses at the opposite sides of said body portion and provided with a cross-head extending transversely of and through said body portion and said body portion being provided with projecting fingers adapted to be folded inwardly and around the crosshead of said lock member for retaining said lock member against displacement from said body portion, and other projecting fingers on said body portion for mounting the same in connection with a suitable support.

1,540,490. GATE MOUNTING. HENRY P. MERTEL, West Hoboken, N. J., assignor to Summit Brass & Bronze Works, Inc., a Corporation of New Jersey. Filed Feb. 7, 1924. Serial No. 691,117. 11 Claims. (Cl. 39—87.)

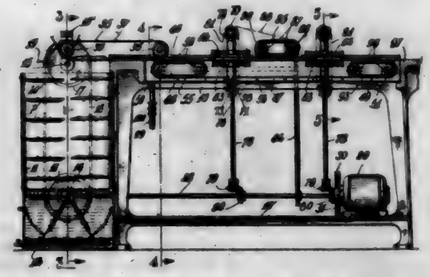


1. A gate-mounting embodying, in combination, an inner anchor member, a base member loosely fitting over said anchor member and a sleeve fitting over said anchor member and within the base member for connecting said anchor member and base member together, and gate-hanger members mounted on said gate-mounting.

1,540,491. METHOD OF DESIZING AND CLEANSING FABRICS. JOSEPH P. MILLIKIN, Hasbrouck Heights, N. J., assignor to Bellman Brook Bleachery Company, Fairview, N. J., a Corporation of New Jersey. Filed Aug. 2, 1924. Serial No. 729,711. 10 Claims. (Cl. 8—12.)

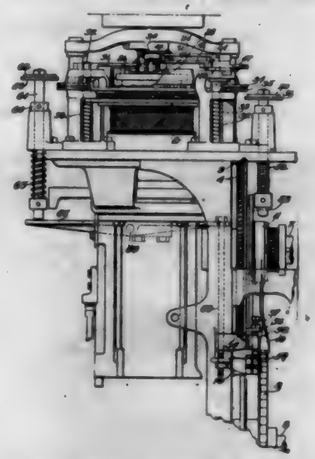
3. The method of cleansing and desizing cotton fabric which comprises subjecting the fabric to the action of a hot hydrochloric acid solution made to Twaddell at from 1 to 2 degrees, next washing with water, and then treating with a dilute caustic.

1,540,492. DISHWASHING MACHINE. JOHAN MORTKA, Poughkeepsie, N. Y. Filed Dec. 1, 1922. Serial No. 604,125. 3 Claims. (Cl. 15—56.)



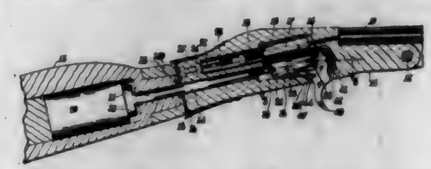
1. In a dishwashing machine, a tank, adapted to contain a cleaning liquid, a carrier adapted to pass the dishes through the liquid in said tank, a traveling brush adapted to act on the dishes after passing through said tank, and a carrier for bringing the dishes into engagement with the said brush, the first carrier being intermittently driven and the second carrier continuously driven.

1,540,493. NEEDLE SELECTING AND OPERATING MECHANISM FOR CIRCULAR-KNITTING MACHINES. GILBERT MURPHY and WALTER A. SIMOND, Franklin, N. H., assignors to Acme Knitting Machine & Needle Company, Franklin, N. H., a Corporation of New Hampshire. Filed Mar. 25, 1922. Serial No. 546,563. 11 Claims. (Cl. 66—22.)



1. In a hosiery knitting machine adapted to knit plain circular, ribbed or reciprocating work and to change automatically from one of said styles of knitting to another, the combination of a set of needles for knitting plain circular work, a set of dial needles cooperating with the first set to knit a ribbed fabric, said dial needles consisting of two groups, and mechanism for operating said dial needles, said mechanism including a divided cam having sections for projecting the needles of said respective groups into yarn taking position, and means for adjusting said sections independently of each other.

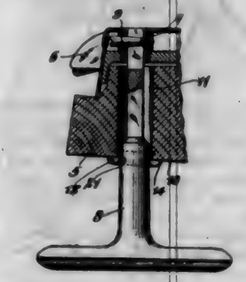
1,540,494. GUN. STANISLAW OLSZOWIEC, New Waterford, Nova Scotia, Canada. Filed Apr. 22, 1924. Serial No. 708,111. 3 Claims. (Cl. 42—84.)



1. In a gun, a barrel, a solenoid, a firing pin constituted by the plunger of the solenoid, a spring urging said plunger rearward and adapted to be tensioned when the plunger is moved by energizing of the solenoid, a battery, contact elements controlling the circuit from said battery to said solenoid, and a trigger element for closing said contacts, and means for adjustably limiting the movement of the plunger by the solenoid.

3. In a gun, a barrel, a solenoid, a firing pin constituted by the plunger of the solenoid, a spring urging said plunger rearward and adapted to be tensioned when the plunger is moved by the solenoid, a battery, contact elements controlling the circuit from the battery to the solenoid, said contact elements comprising a spring contact and a fixed contact adjacent thereto, an arm pivoted at one end in the gun, and a trigger element adapted to engage said arm to move it to cause said spring contacts to be closed, said trigger element having mounted thereon a spring-pressed pin adapted to engage an angular element on the said arm, said pin being adapted to first move said spring contact into engagement with the fixed contact, and upon continued movement of the trigger element to ride off said angular element to free the said arm and allow the said spring contact to move away from the fixed contact.

1,540,495. LATCH ESCUTCHEON AND METHOD OF APPLYING THE SAME. LEON OTTINGER, New York, N. Y. Filed June 28, 1923. Serial No. 648,394. 14 Claims. (Cl. 292—357.)



1. In combination with a door structure having a latch handle receiving opening, a latch operating rollback at one end of said opening and an operating handle adapted to be connected to said rollback; a bearing member for the handle shaft permanently fixed in the door structure at the other end of said opening and having a continuously curved or convex surface presenting a single circumferential line of bearing contact for the handle shaft in tangential relation thereto.

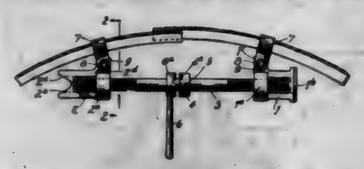
1,540,496. CONNECTING PLUG. LOUIS G. PACENT, Winfield, N. Y. Filed June 9, 1923. Serial No. 644,298. 6 Claims. (Cl. 173—361.)



1. A releasable electrical connector comprising a resilient conductor having a free end portion adapted to engage a wirelike conductor, said resilient conductor being operable in response to being flexed into an offnormal position to grip said wirelike conductor, a member having means for engaging and assisting in the retention of the wirelike conductor in a position wherein it is gripped by said resilient conductor, and a second member movable relatively to said first-mentioned member, said members being operable conjointly to retain the wire-like conductor in a position wherein it continues to be gripped by said resilient conductor.

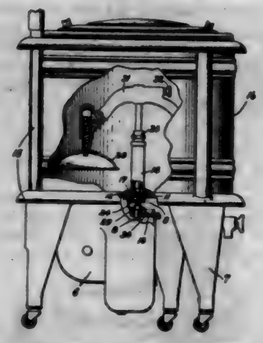
1,540,497. COMBINED VEHICLE RAISING AND RIM-JACK AND HUB-CAP WRENCH. EDWARD A. POHLMAN and JAMES LOVELL, San Diego, Calif. Filed May 3, 1924. Serial No. 710,961. 4 Claims. (Cl. 254—100.)

1. In a device of the class described, a pair of mutually shiftable end members, a screw means connecting said end members with each other and adapted to shift the same relatively to each other, and a pair of oppositely disposed gripping members pivotally mounted on one side of each of said end members, the pivotal axes



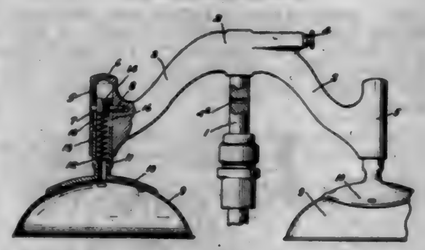
of said gripping members being positioned from the outer ends of said end members a distance greater than the length of said gripping members.

1,540,498. WASHING MACHINE. GEORGE E. RANDLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Filed June 25, 1924. Serial No. 722,394. 5 Claims. (Cl. 68—19.)



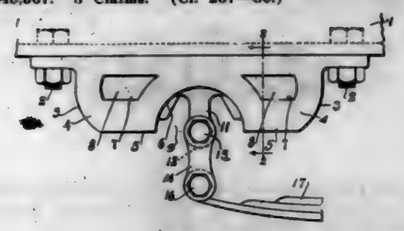
1. In a suction cup washing machine, the combination of a tub, a tubular post therein, a plunger rod which extends up through the post in spaced relation to the wall of the post, and means carried by the plunger rod for transferring water from the rod to the inner surface of the tubular post.

1,540,499. WASHING MACHINE. GEORGE EARL RANDLES, Cleveland, Ohio, assignor to The Foote-Burt Company, a Corporation of Ohio. Original application filed June 25, 1924, Serial No. 722,394. Divided and this application filed Nov. 29, 1924. Serial No. 752,886. 3 Claims. (Cl. 68—19.)



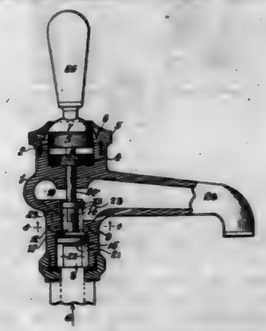
1. In a suction cup washing machine, a yoke having a socket open at its lower end, a suction cup having a tubular stem with a slot in its wall, said stem projecting into the socket, a spring in the stem, means in the upper end of the stem which holds the spring under compression and below the upper end of the slot, and a pin which passes through the socket and said slot above the spring to fasten the stem in the socket.

1,540,500. CUSHIONING DEVICE. RALPH REED, Cincinnati, Ohio. Filed June 15, 1923. Serial No. 645,567. 3 Claims. (Cl. 267—30.)



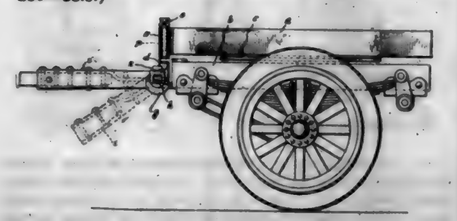
1. In a cushioning device, a frame, a cage having extensions to detachably mount it on said frame, cushioning means detachably mounted in said cage, and supporting means suspended on said cushioning means and passing out of said cage.

1,540,501. SELF-CLOSING BASIN FAUCET. JOHN ROOSMA, Bridgeport, Conn., assignor of one-fourth to Thomas E. Lake, Stratford, Conn.; one-fourth to Henry F. Blakeley, Bridgeport, Conn.; and one-fourth to Isidor Rosenzweig, Milford, Conn. Filed Dec. 31, 1923. Serial No. 683,624. 3 Claims. (Cl. 251—159.)



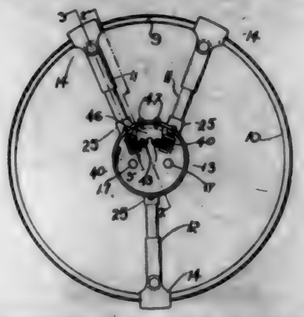
1. In a faucet of the character described, comprising a body having a valve chamber and valve seat, a sectional valve construction comprising a valve disk for the valve seat, a guide head and a body connecting the valve disk and head, a collar and a buffer located between the valve disk and collar, means for uniting the valve sections, and means for unseating the valve against the water pressure.

1,540,502. REMOVABLE DRAWBAR FOR VEHICLES. CHARLES LAWRENCE SCHNEIDER and HARVEY C. FRUEHAUF, Detroit, Mich., assignors to Fruehauf Trailer Co., Detroit, Mich., a Corporation of Michigan. Filed Mar. 27, 1924. Serial No. 702,217. 3 Claims. (Cl. 280—33.5.)



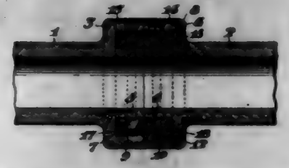
1. A reversible trailer, having in combination a trailer frame, a swiveling truck provided with an open bolt socket having a narrow entrance, a tongue provided with a revolvable lock bolt having a flattened end, said flattened end adapted to pass through the narrow entrance of the open bolt socket in coupling the tongue to the truck, and means for turning said revolvable bolt so as to prevent the same from becoming disengaged from said bolt socket.

1,540,503. TIRE CARRIER AND RIM TOOL. FRANK H. SCHOFIELD, Cleveland, Ohio, assignor to Mary Elisabeth Cook, Cleveland, Ohio. Filed Dec. 13, 1923. Serial No. 680,366. 3 Claims. (Cl. 224—29.)



1. In combination, a plurality of spaced arms, a hollow casing connecting said arms, one of said arms being movable radially with reference to another of said arms, gearing within the casing for actuating each arm, said gearing being so arranged that either arm may be moved with relation to the other and independently of the other.

1,540,504. PIPE COUPLING. LLOYD M. SEAMAN, Pleasantville, N. J. Filed Mar. 2, 1921. Serial No. 449,028. 7 Claims. (Cl. 285—144.)



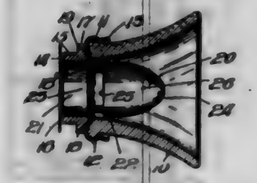
1. A pipe coupling comprising abutted pipe sections each having end nipples embraced by bell-shaped flanges forming an annular pocket, for the reception of sealing material, and a thimble for said nipples, arranged to be embedded in said sealing material.

1,540,505. INSULATOR MOUNTING. EDSON O. SESSIONS, Chicago, Ill., assignor to Albert C. Bell, trustee, Chicago, Ill. Filed June 13, 1919. Serial No. 304,022. 6 Claims. (Cl. 173—321.)



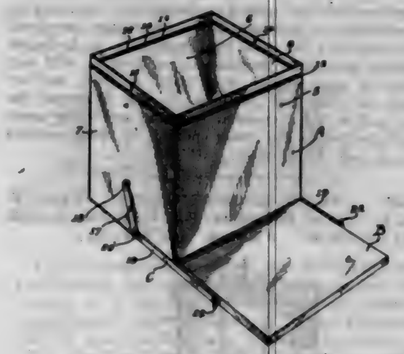
1. In an insulator mounting, the combination of a connecting tube for enclosing the head of an insulator, and an annular member connected with said tube and projecting inwardly from said tube to enter an annular groove adjacent the head of said insulator, said tube being rigid adjacent said annular member, and said annular member being of metal tending to assume a conformation of smaller diameter than the diameter of said groove and comprising an inturned bead formed on one end of said connecting tube.

1,540,506. SOUND TRANSMITTER. FREDERICK A. WATKINS, Chicago, Ill. Filed June 22, 1923. Serial No. 647,006. 16 Claims. (Cl. 179—187.)



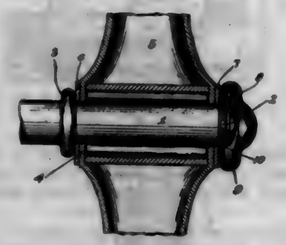
1. A sound transmitter comprising a mouthpiece having a smaller end, and means within said mouthpiece and anchored within its smaller end to confine a body of air in front of the diaphragm of a length greater than the diameter of said body, the anchor comprising a tubular extension to constitute an enclosed sound passage and closely fitting within the smaller end of the mouthpiece, the sound passage internally communicating with said mouthpiece and with the interior of said air confining means.

1,540,507. VERMINPROOF BREAD BOX AND CUTTING BOARD. WILLIAM W. WAYLAND, Cordova, Ala. Filed July 28, 1922. Serial No. 578,265. 6 Claims. (Cl. 45—71.)



8. In a bread box, a body having an upper open end, an internal shoulder formed in the body, a combined cover plate and cutting board adapted to fit in the open end of the body and resting on said shoulder, and linked means for pivotally connecting said cover plate and cutting board with the body for permitting the board to be moved upwardly and downwardly at right angles to the front wall of the body.

1,540,508. AXLE CAP. CLARENCE WATSON WHITE, North Bennington, Vt. Filed Sept. 14, 1923. Serial No. 662,695. 2 Claims. (Cl. 301—112.)



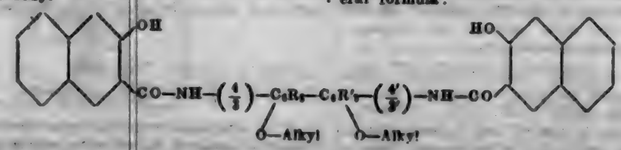
1. In vehicles and the like, a bearing rod having an annular groove in its surface, and an abutment member on said rod, said member having a plurality of tongues extending radially and inwardly of the opening which fits over the rod, said tongues being adapted to snap into the groove and lock the member to the rod when the member is forced upon the rod and flexes the tongues, a number of said tongues having their free ends extending slightly out of the plane of the other tongues whereby after one set of tongues snap into the groove, further movement of the member to cause the other tongues to enter the groove will place both sets of tongues under compression between the walls of the groove.

1,540,509. PROCESS OF MANUFACTURING HEAT-INSULATING BRICK. RICHARD C. WILLIAMS, Baltimore, Md. Original application filed July 2, 1923, Serial No. 649,160. Divided and this application filed Feb. 7, 1925. Serial No. 7,706. 2 Claims. (Cl. 25—157.)

1. That method of manufacturing heat insulating refractory bricks and the like which consists in mixing together diatomaceous earth, a combustible coking binder and water, the quantity of diatomaceous earth being at least equal to the combined quantities of binder and water, molding the mixture, and exposing the molded mixture to a heat sufficient to primarily drive off the volatile matter, next to coke the binder and finally to burn out the binder and effect sintering of the silica.

1,540,510. BIS-(2.3-HYDROXYNAPHTHOYL)-4.4'-DIAMINO-3.3'-DIALKYLOXY-DIARYLS. ARTHUR ZITSCHER, Offenbach-on-the-Main, Germany, assignor to The Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Filed Nov. 30, 1923. Serial No. 677,879. 2 Claims. (Cl. 260—124.)

1. As new articles the bis-(2.3-hydroxynaphthoyl)-4.4'-diamino-3.3'-dialkyoxy-diaryls, having probably the general formula:



wherein R and R' mean the same or different monovalent substituents, which are when dry almost colorless crystalline powders, soluble in diluted caustic soda solution to a brownish yellow solution and very little soluble in the usual organic solvents.

1,540,511. SCREW LIFTING JACK. JOHN M. CANTWELL, Tarrytown, N. Y. Filed June 13, 1924. Serial No. 719,714. 18 Claims. (Cl. 254—102.)

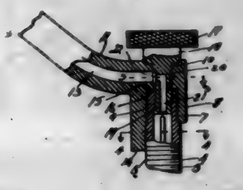
9. The combination of a supporting base, a pair of telescopic lifting screws including an inner and an outer

screw, a vertically extending tubular member carried by said base and having substantially the same length as one of said screws, gear mechanism connected to the lower end of said member for rotating the same, means carried at the upper end of said member and engaging



said outer screw for lifting the same without rotating it, means effective upon predetermined lifting of said outer screw to permit the rotation thereof, and means at the upper end of said outer screw and engageable with the inner screw for lifting the latter upon rotation of the outer screw.

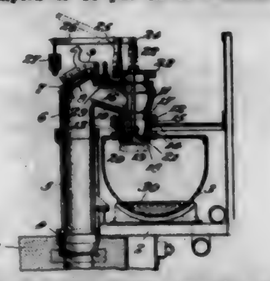
1,540,512. VALVE ATTACHMENT. JOHN E. CARROLL, Philadelphia, Pa., assignor to C. O-2 Products Company, Philadelphia, Pa. Filed Oct. 9, 1922. Serial No. 593,480. 5 Claims. (Cl. 285—107.)



1. The combination with a tire valve having an external flat face and an internal thread, of an attachment for connection to said tire valve, said attachment comprising a body having a recess registering with the outer end of the tire valve, and a lip projecting from the body and engaging the flat face of the tire valve for the purpose specified.

1,540,513. SEALED VALVE. JOHN J. CAVETT, Johnstown, Pa. Filed Sept. 28, 1922. Serial No. 591,193. 6 Claims. (Cl. 251—27.)

6. A valve comprising a conical body portion with an up-turned edge, thus providing a continuous annular space between the edge and body, a valve seat adapted to contact with said valve between the body portion and said up-turned edge, said seat having notches in its contact edge, means for supplying liquid to the valve, whereby it is adapted to be sealed against the passage of gas while permitting liquid to pass, a valve stem secured to said valve, a pivoted lever connected to said stem and a weight adapted to be put on or removed from the



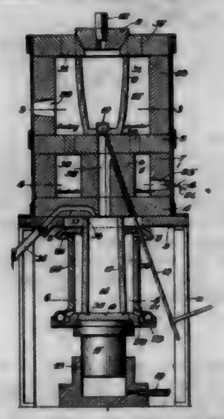
other end of said lever, whereby the valve may be temporarily held closed by said weight or held open by its own weight.

1,540,514. COIL MOUNTING. OMER EUGENE COTE, Pawtucket, R. I., assignor to Electrical Products Manufacturing Company, Providence, R. I., a Corporation of Rhode Island. Filed June 6, 1923. Serial No. 643,670. 2 Claims. (Cl. 175—359.)



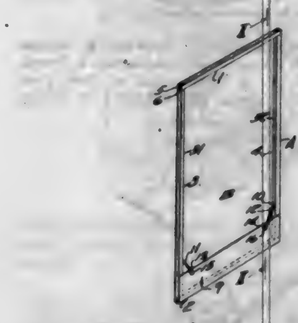
1. The combination with an annular wire coil having wire terminals, of a block having electrical terminals therein connected to said wire terminals, a U-shaped tie member extending through the opening in said coil for securing said coil to said block, a cross member engaging the two end portions of said U-shaped tie member, and a clamping screw engaging said cross member, said clamping screw being operable to effect variable tension on said tie member.

1,540,515. CRUCIBLE-STEEL-MELTING FURNACE. PAUL A. CUBNOT, Harrisburg, Pa. Filed Aug. 8, 1922. Serial No. 580,387. 9 Claims. (Cl. 263—14.)



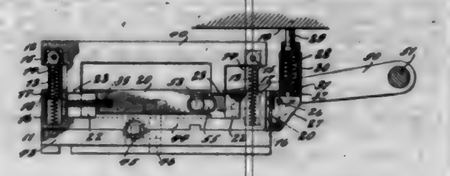
1. In a furnace of the character described, a stationary crucible having an outlet at its bottom, a plug for sealing said outlet, a heating chamber surrounding said crucible, an ingot mould in vertical alignment with said crucible, a passageway leading directly from said outlet to said ingot mould, and a combustion chamber surrounding said passageway.

1,540,516. DISPLAY DEVICE. ALBERT E. DAVIS and SIMON DAVIS, Kew Gardens, N. Y. Filed Dec. 20, 1924. Serial No. 756,013. 3 Claims. (Cl. 40—125.)



1. In a display device in combination, a pair of extensor members adapted to be arranged in vertically spaced horizontal positions; a pair of struts; means for disconnectably framing said extensors and struts into substantially rectangular formation; a sheet of flimsy display material permanently secured at one edge to one of said extensor members and adapted to be rolled up thereon for transportation; and means for tensing a fold at the opposite ends of said sheet about the other of said extensor members.

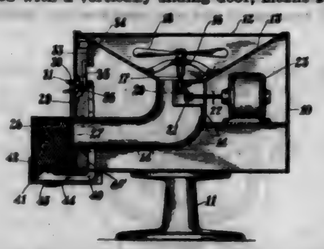
1,540,517. SAFETY OPERATING MECHANISM. HENRY DE SMITH, Rochester, N. Y., assignor to M. D. Knowlton Company, Rochester, N. Y., a Corporation of New York. Filed Aug. 13, 1919. Serial No. 317,238. 6 Claims. (Cl. 192—132.)



1. In a box-ending machine, the combination with the presser-head and the vertically reciprocating box-form carrier, of a box-form mounted on said carrier comprising upper and lower sections, means yieldingly holding the upper section in a normally projected position above the lower one, a slidable connecting member between said sections which is capable of being rendered operative and inoperative to maintain the upper section unyielding relatively to the lower one, means for controlling the action of the connecting member to render it operative just prior to the box-form reaching the end of its working stroke, said means including an operating member carried by the reciprocating box-form and actuated by engagement with a cooperative stationary part, and positively acting automatic means for rendering the connecting member inoperative on the down stroke of the carrier following the work-performing operation.

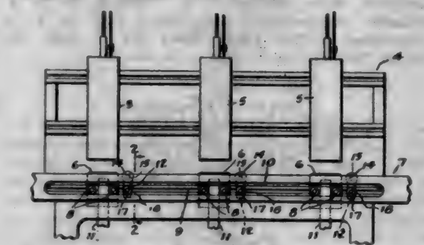
1,540,518. SUCTION FLYTRAP. FREDERICH DRUGAN, New Haven, Conn. Filed Oct. 29, 1924. Serial No. 746,497. 6 Claims. (Cl. 43—139.)

3. A flytrap comprising a screen-topped box, a funnel leading downward from the top of the box, a conduit leading from said funnel to the side of the box, a helical fan in said funnel, and a motor in said box for driving said fan, and a removable receptacle abutting against the side of the box with which said conduit communicates, said receptacle being formed with an aperture in its side provided with a vertically sliding door, means suspending



said door in raised position, a switch controlling said motor, and a lever engaged by said door when in raised position and acting to retain said switch closed.

1,540,519. SADDLE-STITCHER ATTACHMENT. HARRY EHLIG, Pearl River, N. Y., assignor to George R. Swart & Company, Inc., New York, N. Y., a Corporation of New York. Filed Feb. 8, 1924. Serial No. 691,383. 5 Claims. (Cl. 1—7.)



1. In combination, a support or saddle on which signatures are held in open position, mechanism for stitching said signatures so held including means carried by the saddle, and independently rotatable means adjustably carried by the saddle for holding the signatures above said saddle and in register with said means carried by the saddle.

1,540,520. EYE MOUNTING FOR DOLLS. LEO J. GRUBMAN, New York, N. Y., assignor to L. J. Grubman, Incorporated, Long Island City, N. Y., a Corporation of New York. Filed Mar. 26, 1924. Serial No. 701,896. 14 Claims. (Cl. 46—40.)

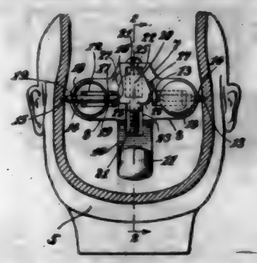


10. In an eye mounting for dolls, eye members comprising hemispherical hollow shells formed with outwardly extending flanges, a support carrying said eye members and provided with portions overlapping upon the flanges thereof to retain the eye members in assembled relation upon the support.

1,540,521. EYE MOUNTING FOR DOLLS. LEO J. GRUBMAN, Belle Harbor, N. Y., assignor to L. J. Grubman, Incorporated, Long Island City, N. Y., a Corporation of New York. Filed Apr. 5, 1924. Serial No. 704,410. 25 Claims. (Cl. 46—40.)

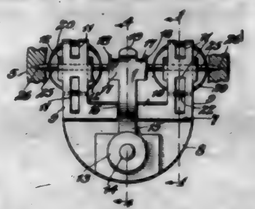
24. In an eye mounting for dolls, eye ball members, spaced pivot members located coincident with the axes

of the respective eye ball members, and movable relative thereto into engagement with opposite sides of a doll head wall to support the eye members for oscillatory



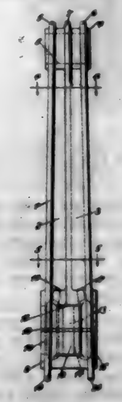
movement, and a part adapted to co-act with the pivot members to unyieldingly resist movement of the same from their applied positions with respect to the doll head wall.

1,540,522. EYE MOUNTING FOR DOLLS. LEO J. GRUBMAN, Belle Harbor, N. Y., assignor to L. J. Grubman, Incorporated, Long Island City, N. Y., a Corporation of New York. Filed Nov. 7, 1924. Serial No. 748,311. 10 Claims. (Cl. 46—40.)



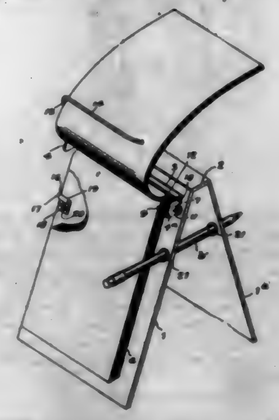
1. In an eye mounting for dolls, eye members, pivot means movably engaged with said members and adapted to be moved relative thereto into engagement with a doll head wall to support said eye members for oscillatory movement, and a spring actuated part adapted to coact with said pivot means and rigidly hold the same in applied position with respect to the doll head wall.

1,540,523. CONNECTING ROD. STEPHEN D. HARTOG, Belleville, Ill. Filed Feb. 26, 1923. Serial No. 621,261. 11 Claims. (Cl. 74—17.)



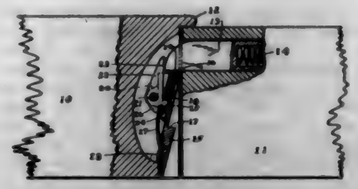
1. As a new article of manufacture, a connecting rod comprising a continuous wall shaped to form parallel channels in opposite faces thereof in which the edges are spaced from the remaining portion, said channels overlapping each other, a wrist pin bearing carried at one end of said rod, and a bearing portion at the opposite end of said rod.

1,540,524. NOTEBOOK HOLDER. EDWARD M. ANDERSON, Jersey City, N. J., assignor to Anderson & Prigge, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 31, 1923. Serial No. 683,639. 9 Claims. (Cl. 120—28.)



1. In a note-book holder having a board, a plate secured to the face of the board to present side ears facing each other, one of said ears having a perforation and the other ear having a slot, a retainer rod which extends substantially across the board, the rod being passed loosely through said perforation and having a retaining head at one end, and means for catching the other end in said slot, substantially as set forth.

1,540,525. DOOR LATCH. OLAF A. ANDERSON, Hamilton, Ohio. Filed Oct. 21, 1922. Serial No. 595,945. 3 Claims. (Cl. 292—340.)

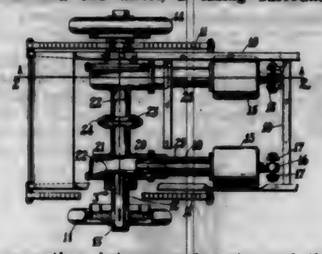


1. In a device of the class described, the combination of a strike plate for door latches, a member carried thereby and slidable transversely of the direction of movement of the latch into engagement with the latter, a member pivoted on said plate and having three arms one of which cooperates with said latch and another of which actuates said slidable member, and a spring having one end secured to said plate and its other end cooperating with the third of said arms of the second-mentioned member.

1,540,526. MOTOR VEHICLE. JOSEPH A. ANGLADA, Jenkintown, Pa. Filed Mar. 16, 1923. Serial No. 544,842. 8 Claims. (Cl. 180—57.)

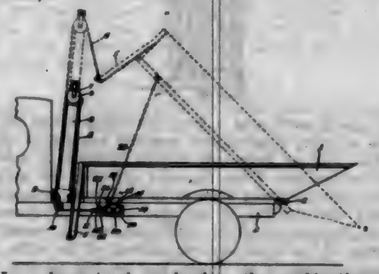
1. In a motor vehicle, a frame, drive wheels connected thereto, a pair of motors independently pivoted

to said frame, operative driving connections between each motor and one wheel, a casing surrounding the



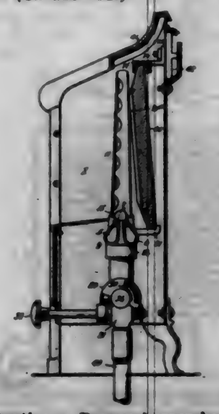
driving connections between each motor and the wheel driven thereby, and a swivel connection between said casings.

1,540,527. DUMP TRUCK. PERCY B. BARKER, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 24, 1921. Serial No. 509,922. 17 Claims. (Cl. 298—1.)



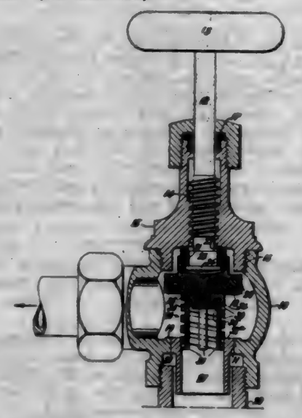
1. In a dump truck mechanism, the combination of a supporting frame, a load receiving body mounted upon said frame for raising and lowering movement, means for raising and lowering said body, and means controlled by the body of ensuring against improper upward movement of said body, improper movement of said body being adapted to initiate effective operation of said ensuring means.

1,540,528. RADIANT GAS HEATER. GEORGE E. BENNETT, New York, N. Y., assignor to Peerless Manufacturing Company, Louisville, Ky., a Corporation of Delaware. Filed Jan. 21, 1925. Serial No. 3,719. 12 Claims. (Cl. 126—92.)



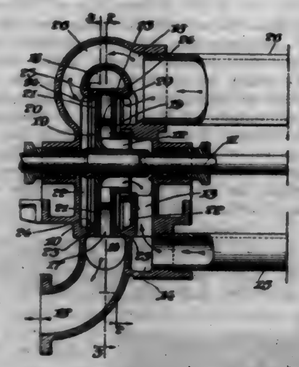
1. In combination, a Bunsen burner having a group of ports arranged relatively close together with a secondary air space between adjacent ports, and a radiant supported above the group of ports and spaced from the burner to provide a secondary air space between the lower end of the radiant and the burner.

1,540,529. VALVE. HIRAM W. BLAISDELL, New York, N. Y. Filed July 28, 1922. Serial No. 577,502. 12 Claims. (Cl. 251—25.)



3. A steam regulating device, comprising a valve housing, having a seat surrounding the passage therethrough, a lifting stem in the housing, a hollow cylindrival valve connected to the stem, a throat in which said valve is adjustable up and down by means of said stem, said valve being helically slitted to form a porting, and having integral interior ribs or connections to support the whorls, and a packing carried by said stem above said ported valve, and adapted to be forced down by the stem against said seat to prevent leakage of steam.

1,540,530. CENTRIFUGAL PUMP. PAUL G. BOGDANOFF, Bloomfield, N. J., assignor to Bogdanoff-Friedman, Inc., Newark, N. J., a Corporation of New Jersey. Filed Feb. 16, 1924. Serial No. 693,154. 6 Claims. (Cl. 230—14.)



1. A centrifugal pump comprising an impeller chamber, an impeller therein having a central inlet, a stationary discharge chamber encircling the periphery of the impeller, and a vacuum chamber laterally of the impeller chamber and having direct and unobstructed communication through a multiplicity of closely-related ports with the impeller chamber in and throughout the major part of the space between the central inlet and the periphery of the impeller, said vacuum chamber also having a fluid inlet portion.

1,540,531. PROTECTED PIN. DAVID A. BOSWELL, Indianapolis, Ind. Filed Aug. 1, 1924. Serial No. 729,469. 9 Claims. (Cl. 24—158.)

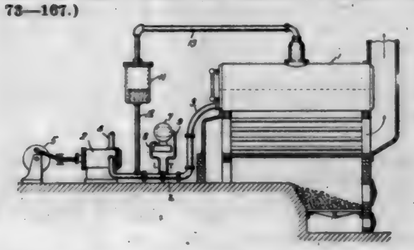


1. A safety pin of the character described including a back portion, a pin portion positioned adjacent thereto, a coiled connection connecting one end of the pin portion to the back portion so that the pin normally tends to position itself adjacent the back portion, and a pin receiving seat construction having a pin receiving surface positioned in spaced relation to said back portion and connected thereto and engageable by said pin in the normal closing movement of said pin, said surface preventing further movement of said pin toward said back portion.

1,540,532. BATTERY SEPARATOR. OLIVER W. BROWN and CLYDE O. HENKE, Bloomington, Ind. Filed Oct. 10, 1923. Serial No. 667,700. 12 Claims. (Cl. 136—29.)

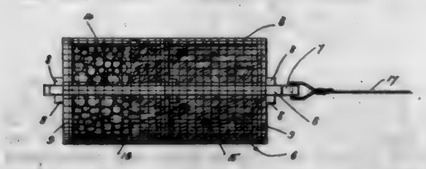
1. A dried treated wood separator for storage-battery or other electrolytic cells, with the wood impregnated with a substance which is substantially insoluble in water but is soluble in the electrolyte of the cell.

1,540,533. FLOW-METER INSTALLATION. CHARLES F. BULLOCK, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,781. 1 Claim. (Cl. 73—167.)



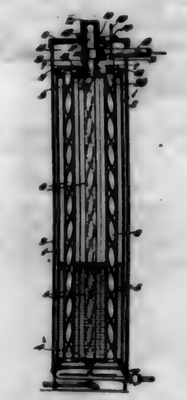
In a flow meter installation for measuring the flow of water from a reciprocating pump to a boiler, the combination with the conduit through which the water flows to the boiler, of a flow meter installed in said conduit, means providing an orifice in advance of the flow meter as regards the direction of flow through the conduit for effecting a drop in pressure in the conduit in advance of the flow meter, a surge tank connected to the conduit in advance of said orifice means, and a pipe connecting the upper end of said surge tank to the steam space of the boiler.

1,540,534. SHORE PROTECTOR. FERDINAND WILLIAM BULTMANN, Wakenda, Mo. Filed June 2, 1924. Serial No. 717,334. 2 Claims. (Cl. 61—3.)



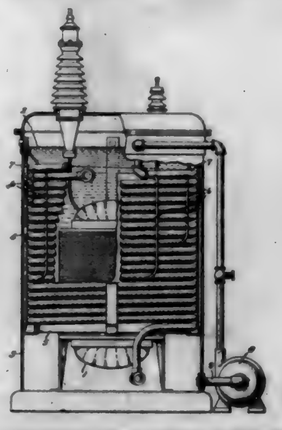
1. A shore protector or fascine, comprising a frame having a central longitudinal bar, outer longitudinal bars spaced apart from the central bar and arranged around it, and crossbars arranged in pairs which are secured crosswise of each other, the bars of each pair being arranged to straddle the central bar and two of the outer bars, and packing material arranged in the frame around the central bar.

1,540,535. HEAT SAVER AND HEAT-INCREASING ACTION FOR BOILER FLUES. LEO J. BURKE, Philadelphia, Pa. Filed Apr. 7, 1923. Serial No. 630,446. 1 Claim. (Cl. 137—112.)



In a heat saver and a heat increasing action for the flue of a boiler, a spiral heat retarder adapted to occupy the flue, and an apertured bar-like member of substantially rectangular form mounted pivotally on said retarder, said bar being adapted to be turned crosswise to support the retarder in the flue and to be placed in the longitudinal direction of the retarder to permit the insertion of the latter and the removal of the same, both through the top of the boiler, said bar-like member having on an end thereof an elbow 20 which when the bar is in the longitudinal direction of the conveyor may rest close to the latter between adjacent convolutions thereof, the removal and insertion of said bar being accomplished by a suitable implement insertable through said aperture.

1,540,536. APPARATUS FOR COOLING TRANSFORMERS. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 6, 1923. Serial No. 630,341. 4 Claims. (Cl. 257—191.)



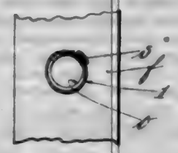
4. The combination with a casing enclosing an oil immersed transformer, of a helical pipe for carrying a current of cooling liquid, said pipe being immersed in the oil and surrounding the transformer, and means having openings directed downwardly and sidewise for forcing a plurality of jets of oil along the surface of said pipe in downwardly and sidewise directions.

1,540,537. METHOD OF MAKING LAMP MOUNTS AND SIMILAR ARTICLES. WILLIAM R. BURROWS, Newark, N. J., assignor to General Electric Company, a Corporation of New York. Filed Nov. 25, 1921. Serial No. 517,737. 15 Claims. (Cl. 140—71.)



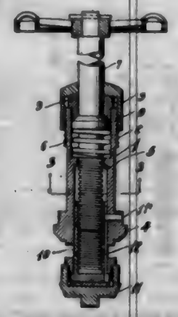
1. The method which comprises holding the end of a long wire immovable in contact with one of two accurately spaced and positioned leads, moving said wire and the other lead relatively to bring them into contact at an intermediate point on said wire determined by the position of said other lead, securing the wire to both leads at the points of contact, and cutting the wire adjacent said intermediate point.

1,540,538. REENFORCEMENT FOR BUTTONHOLES. EDITH A. B. BURT, Springfield, Mass. Filed Sept. 18, 1922. Serial No. 588,938. 2 Claims. (Cl. 14—202.)



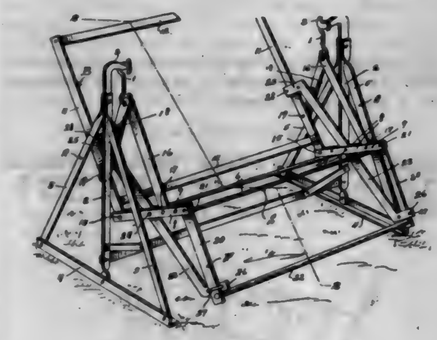
1. A reenforcement for buttonholes comprising, a member formed into the shape of a loop having unjoined end portions, the said end portions being arranged in an overlapping relation and formed to coincide with the contour of the loop, whereby they are adapted for a relative sliding movement to allow an expansion of the loop with the end portions in their overlapping relation.

1,540,539. VALVE. FRANK CAIN, Tyler, Tex., assignor of one-third to Chas. J. Brogan and John H. Brogan and one-third to Loyd H. Cain, all of Tyler, Tex. Filed Feb. 28, 1924. Serial No. 695,796. 1 Claim. (Cl. 251—48.)



A valve structure comprising a bonnet of elongated tubular form having an inner flange integral therewith intermediate its ends providing an annular shoulder, the lower end of the bonnet being laterally enlarged to provide a beveled seat for engagement with a casing, a valve having a tubular stem slidable within the bonnet and provided with an exterior longitudinal groove, a pin carried by the enlargement and extending into said groove to prevent rotation of the tubular stem, an operating stem guided by said flange and having screw thread connection with the tubular stem, said operating stem having an annular enlargement integral with it, a helical spring surrounding the operating stem and confined between said enlargement and said shoulder, a metal packing snugly fitting within the outer end of the bonnet and engaging said enlargement, a flange on the packing overlapping the outer end of the bonnet, and a nut engaging the last mentioned flange to secure the packing to the bonnet.

1,540,540. SWING. ERNEST CAMM and JOHN W. WRIGHT, Whitehall, Ill., assignors to Camm-Wright-Wemken Company. Filed July 10, 1924. Serial No. 725,225. 1 Claim. (Cl. 155—67.)

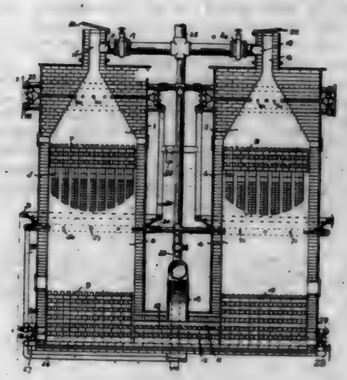


A swing comprising, in combination, a seat section, a back section pivotally engaged with the seat section, side bars, a foot rest comprising side bars pivotally engaged with the seat section, and a rod connecting the outer end portions of said side bars; rigid members pivotally engaged with the end portions of the seat section, the extremities of each of said members being provided with oppositely disposed angular extensions, said extensions being provided with outstanding loops, the side bars of the foot rest being slidably disposed through the lower loops, the rod connecting said side bars coacting with the loops of the lower extensions to limit the relative movement of said extensions and side bars in one direction, the side bars of the back section being freely disposed through the upper loops, and a pair of hanger levers associated with each end of the swing, one of said levers being pivotally engaged with the seat section and the other of said levers being pivotally engaged with the back section, the upper loops contacting with the levers engaged with the back section to limit the relative movement in one direction of the side bars of the back section and the upper extensions of the rigid members.

1,540,541. OIL-GAS-MAKING APPARATUS. WILLIAM E. L. CALVIN, San Francisco, Calif., assignor of one-half to Joseph Vellone, San Francisco, Calif. Filed May 31, 1923. Serial No. 642,455. 5 Claims. (Cl. 48—94.)

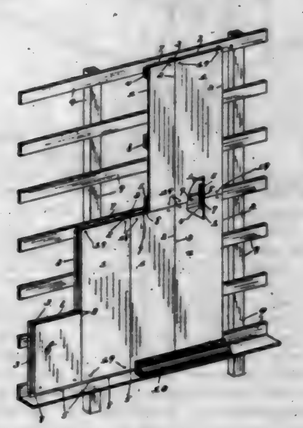
1. In a gas making apparatus, a plurality of vertical vessels each having a grill partition dividing the vessel into upper and lower chambers, the said lower cham-

bers cross-connected by a gas making and fixing passage having a gas outlet, checker brick in said chambers and in said passage, a valve controlled air inlet to and a



valved outlet from the top of each upper chamber and steam and oil spray nozzles in each of the upper and each of the lower chambers.

1,540,542. BUILDING FRAME. STEPHEN J. CARHART, Watervliet, N. Y. Filed July 27, 1923. Serial No. 654,276. 1 Claim. (Cl. 20—4.)



A building frame having a body of sheet-metal bent along one side edge to form a flange, and along its other side edge to form a groove engageable with a like flange on a like frame, a rigid reinforcement secured to the back of said sheet-metal body projecting beyond the ends thereof, one of said projections being formed with a flange and the other being provided with a groove engageable with a like flange on a like frame.

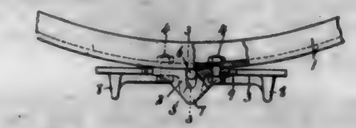
1,540,543. GOLD SEPARATOR. HARRY T. COSTA, Grants Pass, Oreg. Filed Sept. 15, 1923. Serial No. 662,928. 2 Claims. (Cl. 83—67.)

1. A separator of the class described having a pan of inverted frusto-conical shape, a launder associated therewith, a cover for said pan and conforming to the shape thereof, said cover having spaced walls and adapt-



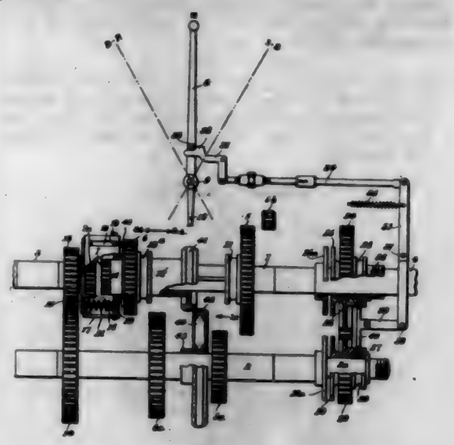
ed to contain water, said cover having an inlet for the water, and a supply tube for the cover spanning said walls and reinforcing the cover.

1,540,544. TRACTION DEVICE FOR TRACTOR WHEELS. CLAYTON L. CURTIS, South Otselic, N. Y., assignor of one-half to Sherman Alter, Ithaca, N. Y. Filed Jan. 3, 1923. Serial No. 610,463. 2 Claims. (Cl. 305—13.)



1. A traction device for vehicle wheels comprising a traction plate having a flat inner face and the opposite edges of its central portion recessed and provided with laterally projecting trunnions midway between its ends, brackets arranged in the recesses and provided with radial slots open at their inner ends for receiving said trunnions, and means for clamping the brackets to the periphery of the wheel rim with the open ends of the slots adjacent said periphery to hold the plate in operative position.

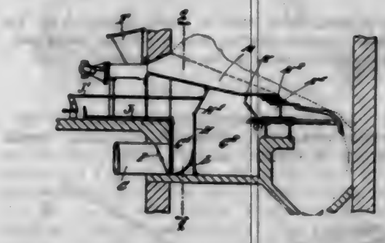
1,540,545. SPEED EQUALIZER FOR GEAR-SHIFT MECHANISM. JORGE F. DEL RIO, Mexico, Mexico. Filed Sept. 24, 1924. Serial No. 739,616. 9 Claims. (Cl. 74—58.)



1. In a speed equalizer for gear shift mechanism, the combination with sets of speed changing gears, a main and counter shaft supporting the same, of friction devices associated with the shafts to cause the gears of

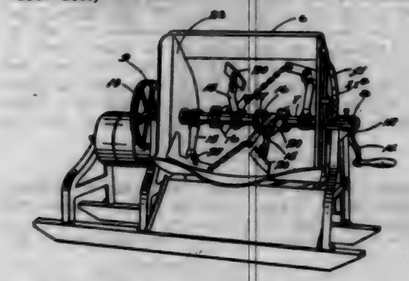
each set to rotate at the same speed at the time of meshing engagement, the friction devices for the low speed gears including meshing gears, respectively, freely rotatable on the main and counter shafts, a friction disk on each free gear, and cooperating friction disks fixed to the main and counter shafts.

1,540,546. UNDERFEED MECHANICAL STOKER. WILLIAM JOHN HUBERT DITLOCK, Croydon, England, assignor of one-half to Erith's Engineering Company, Limited, Kingsway, England, a British Company. Filed May 5, 1924. Serial No. 711,163. 3 Claims. (Cl. 110—44.)



2. An underfeed stoker comprising an underfeed retort, an air chamber beneath said retort, tuyères located at the sides of said retort, a partition wall extending transversely in the chamber and arranged beneath the forward end of the retort where the fuel bed is thickest for dividing the chamber into two compartments, and a damper hinged at its lower edge to the upper portion of said partition, said damper being movable to inclined positions to direct air from the front compartment directly to the fuel bed above the compartment beyond the partition.

1,540,547. MIXING MACHINE. JOHN C. DOIDGE, London, Ontario, Canada, assignor to London Concrete Machinery Co., Ltd., London, Ontario, Canada. Filed June 2, 1923. Serial No. 643,106. 5 Claims. (Cl. 259—109.)



1. A mixing machine consisting of a mixing chamber, a shaft extending through and supporting said mixing chamber on a suitable frame, radially supported mixing means extending from said shaft, chains joining non-adjacent members of said mixing means and means for guiding the material in said mixing chamber towards said chains, said mixing means including radial shanks and arcuate members on said shanks arranged concentrically of said shafts.

1,540,548. PROCESS OF PRODUCING STORAGE BATTERIES. GEORGE F. DOWNER, Cleveland, Ohio. Filed Aug. 25, 1922. Serial No. 584,340. 9 Claims. (Cl. 136—27.)

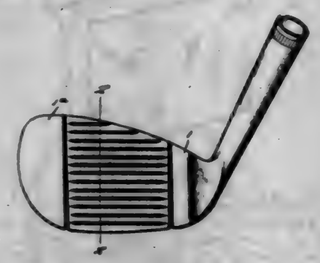
1. The process of producing a storage battery plate which contains the steps of pasting a grid with a paste of lead oxide and water and subsequently immersing the same prior to any material drying and while the surface pores are full of water, in a solution of sulphuric acid having a specific gravity between about 1.050 and about 1.300 until the paste is sufficiently sulphated.

1,540,549. ADJUSTABLE HARROW AND DRAG. WILLIAM A. EARHART, East Radford, Va. Filed Apr. 3, 1922, Serial No. 549,038. Renewed Mar. 3, 1925. 2 Claims. (Cl. 55—103.)



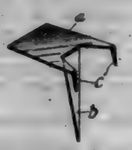
1. A combined harrow and drag comprising side members, cross members hinged to the side members, arms projecting upwardly from the cross members, a bar pivotally connecting the upper ends of said arms, and a diagonal brace member adjustably connected to vertical spaced apart portions of remote arms for rigidly holding the same in adjusted position.

1,540,550. GOLF-CLUB HEAD. JAMES VICTOR THOMAS EAST, Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y., a Corporation of New Jersey. Filed July 3, 1924. Serial No. 724,003. 1 Claim. (Cl. 273—77.)



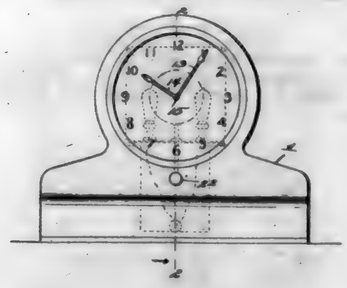
A golf club of the pitching type having a relatively thick sole and concave front and back faces.

1,540,551. DEVICE FOR REENFORCING MOLDS. JAMES E. EVANS, Chicago, Ill. Filed July 21, 1924. Serial No. 727,209. 4 Claims. (Cl. 22—189.)



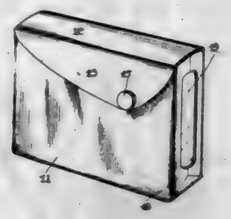
1. A device of the class described comprising a prong member with two sides disposed at an angle to each other, and a leaf member formed by the prolongation of said sides, the separation of them longitudinally and the bending of them at substantially an angle of 90 degrees to said prong.

1,540,552. LAMP CLOCK. MAUD C. FOX, Brooklyn, N. Y. Filed Mar. 18, 1924. Serial No. 700,090. 8 Claims. (Cl. 58—50.)



1. A clock including a casing, a slidably supported movement having a forwardly directed winding key, said movement and key being normally housed within said casing, and means for sliding said movement a sufficient distance to present the key adjacent the exterior of said casing.

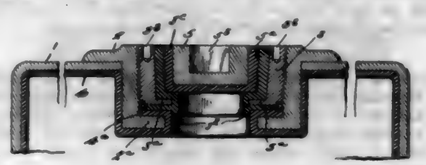
1,540,553. COMBINED CIGARETTE AND MATCH CASE. ANDREW W. GRAHAM, Buffalo, N. Y. Filed Aug. 11, 1923. Serial No. 656,802. 2 Claims. (Cl. 206—38.)



1. In a structure of the character described, a main receptacle of a rectangular shape, a partition in said receptacle dividing the same into end compartments, said receptacle having an end wall provided with an elongated opening communicating with one of the end compartments and said compartments each having an inlet, closure means for the inlets movable into and out of a closing position and adapted to be releasably secured in a closed position, and auxiliary receptacles formed of rigid material and each open at one end, said auxiliary receptacles being inserted into the end compartments of the main receptacle and filling the same and one having a side wall provided with a match striking surface to be exposed through the opening in the end wall of the main receptacle and a second side wall provided with an elongated opening for registering with the opening in the end wall of the main receptacle according to the position in which the auxiliary receptacle is positioned in the main receptacle.

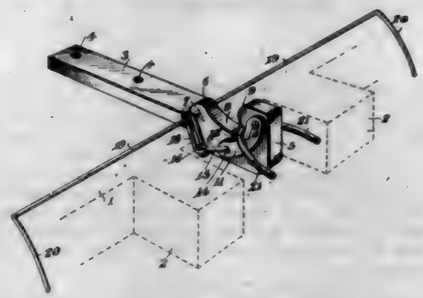
1,540,554. ACID-PROOF CONTAINER. RICHARD T. GRIFFITHS, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed Oct. 2, 1924. Serial No. 741,170. 4 Claims. (Cl. 220—39.)

1. The combination with a metal container provided with an opening the wall of which is provided with an inwardly extending flange, and a rubber lining for the container which is provided with a portion overlying the upper face of said flange, of a clamping bushing having a surface layer of rubber secured thereto, said



clamping bushing being held in said opening with its surface layer pressed against said overlying lining portion, and a closure member for said bushing.

1,540,555. CAR-UNCOUPLING DEVICE. JOHN WILLIAM JONES, Clifford, Ill. Filed July 7, 1924. Serial No. 724,715. 1 Claim. (Cl. 213—219.)



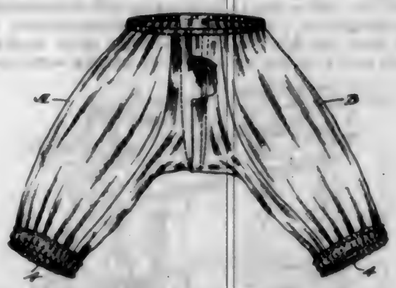
An uncoupling device of the character set forth comprising a drawbar, a head upon one end thereof formed to provide an upturned hook for engagement by a coupling member, a flat arcuate link having one end pivotally secured to the bill of said hook, and lying against and having the swinging end directed downwardly and inwardly, following the curvature of the inner portion of said bill, and means engaging with the free inner end of said link to lift the said inner end across the gullet of the hook to a point above the bill to raise the coupling member to a position where it will slip freely over the head.

1,540,556. CARD HOLDER. WILLIAM K. LAURIE, Albany, N. Y. Filed Apr. 25, 1923. Serial No. 634,468. 1 Claim. (Cl. 40—11.)



A card-holder formed of an integral piece of wire having a middle M-shaped card-holding member, loops extending from the respective legs of the M-shaped member at right angles to the plane thereof, members extending upwardly from said respective loops on opposite sides of and substantially in the plane of said M-shaped member and terminating in jaw members parallel with and cooperative with the respective loops.

1,540,557. NETHER GARMENT. JOHN J. MCLOUGHLIN, Philadelphia, Pa. Filed Nov. 24, 1924. Serial No. 751,950. 4 Claims. (Cl. 2—224.)

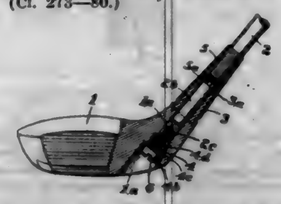


3. A bifurcate garment of the open bloomer type consisting of two corresponding units connected together at the waist only to form a separable crotch, each unit comprising a substantially oval shaped piece forming the side of the body and the major portion of the corresponding leg, and a substantially T-shaped crotch piece two sides of which are cut on curved lines and the respective curved line sides being connected to the opposite sides of the side piece whereby the crotch piece extends from the top at the front to the top at the back and down the leg and constitutes a completing part of the front and back of the body and inside of the leg.

1,540,558. METHOD OF MAKING STEEL RAILS. WILBUR L. MERRILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed June 14, 1923. Serial No. 645,448. 8 Claims. (Cl. 22—65.)

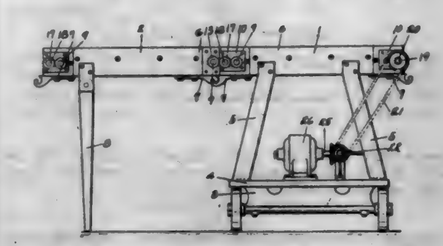
1. The process of making elongated objects which consists in centrifugally casting a ring of metal having the general contour desired in the finished object, opening and straightening said ring and finishing to desired form.

1,540,559. GOLF CLUB. JOHN J. MURPHY, Norwich, Conn. Filed Oct. 20, 1924. Serial No. 744,759. 4 Claims. (Cl. 273—80.)



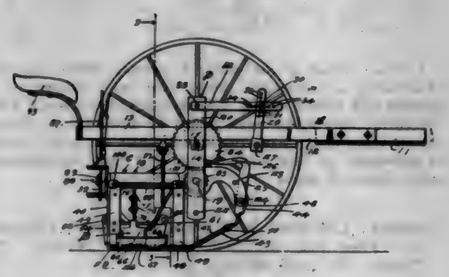
4. A wooden golf club comprising a head having its neck provided with a tubular bore or recess, and a metal ferrule surrounding said neck and provided at its outer end with an annular series of serrations, and a shaft having its body of elliptic shape in cross section and provided with a cylindrical lower end fitting said bore of the neck and with an annular enlargement provided with serrations interlocking with the serrations of the neck ferrule, and means for holding the shaft end in the said bore.

1,540,560. CONVEYER. LEWIS D. NELSON, Union City, Mich. Filed Oct. 11, 1920. Serial No. 416,191. 5 Claims. (Cl. 198—92.)



5. In a conveyer, the combination of a main unit and a plurality of supplementary units adapted to be operatively associated at either end of said main unit, a carrier for each unit provided with driving means brought into operative relation when the units are assembled end to end, and means for driving the carrier of the main unit comprising reversing means.

1,540,561. COTTON CHOPPER. EWALD NITZSCHE, Burton, Tex. Filed June 9, 1923. Serial No. 644,400. 18 Claims. (Cl. 97—18.)

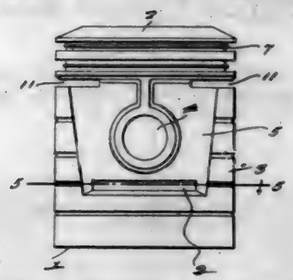


1. In a machine of the class described, a chopper frame, chopper means carried thereby, a positioning frame to which said chopper frame is pivoted, and cam means associated with one of said frames to coact with the other of said frames to permit adjustment of the chopper frame and chopper means in substantial parallelism to the ground.

1,540,562. PISTON. CLARENCE F. OBERACKER, Cleveland, Ohio. Filed May 20, 1924. Serial No. 714,607. 2 Claims. (Cl. 74—108.)

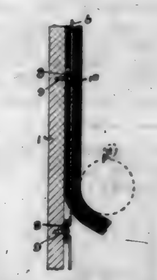
2. A piston comprising a head and skirt portion, said head portion having piston ring grooves provided therein, a reinforcing rib formed on the under face of the head portion, the outer faces of the skirt portion around the wrist pin openings provided therein being cut away to provide diametrically opposed oil pockets, said skirt portion having annular oil grooves extending around the outer face thereof and communicating with said oil

pockets, the lower portions of the oil pockets having slots provided therein to receive oil passing upwardly into said piston, means for directing the oil into said slots, said



means comprising baffle plates formed integrally with the skirt portion and extending inwardly from the upper edges of said slots.

1,540,563. METHOD OF FORMING PROTECTIVE LININGS. EDWIN LETTS OLIVER, Piedmont, Calif. Filed Jan. 30, 1923. Serial No. 615,946. 3 Claims. (Cl. 18—59.)



1. The method of protecting a surface which consists of securing a supporting screen over said surface at a plurality of points and in spaced relation therewith and thereafter overlaying said screen by pressing a plastic rubber composition over the screen until the said screen is embedded in said composition, and then vulvanizing said rubber in place.

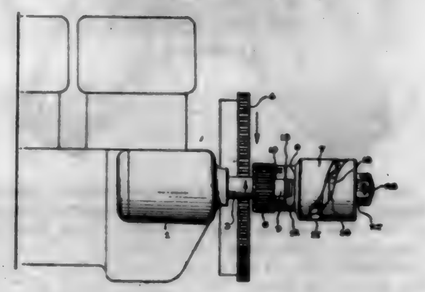
1,540,564. CURLING IRON. JOHN L. OLSON, Chicago, Ill. Filed Nov. 3, 1924. Serial No. 747,595. 11 Claims. (Cl. 132—37.)



1. A curling iron comprising tong members, a free floating pivot between the same, and a normally inactive tension device disposed upon one member to tension the pivot in the separation of the tong members by an interposed object.

1,540,565. AUTOMATIC STARTER FOR MOTOR-DRIVEN VEHICLES. PETER B. PELTO, Detroit, Mich. Filed July 17, 1924. Serial No. 726,592. 5 Claims. (Cl. 74—7.)

1. A motor starting mechanism having, in combination with a starting motor having a shaft and a drive gear in connection with an automobile motor shaft, a pinion carried by the starting motor shaft for intermeshing engagement with the drive gear, a device for controlling the operation of said pinion and having a sleeve with which the pinion has an interlocking and relatively sliding engagement, yielding means for communicating motion from the sleeve to the pinion, the sleeve having a spiral slot, a driving member on the starting motor shaft



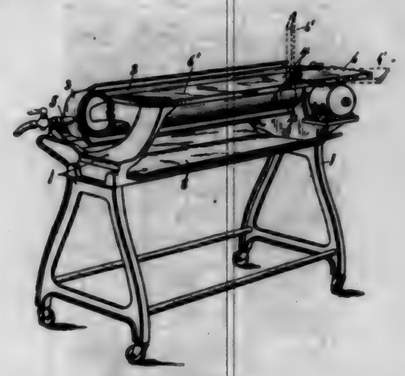
and provided with means engaging said spiral slot, and means on the starting motor shaft and having frictional connections with the drive member to permit a partial yielding movement of the sleeve when the starting motor shaft starts to turn and a complete yielding movement in case of back-fire, thereby preventing stripping of the teeth of the intermeshing gears.

1,540,566. PIPE EXTRACTOR. DONALD C. PETERS, Clarence, Mo. Filed Jan. 26, 1925. Serial No. 4,928. 3 Claims. (Cl. 294—97.)



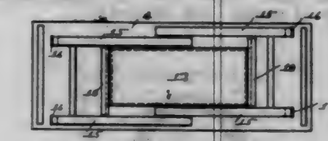
1. An implement of the class described comprising a body having a pointed portion extending from one end and a reduced shank extending from the other end, said body having a transverse opening therethrough and said shank having a cable guideway therein communicating with the body opening, reversely operating grip members pivoted within the opening and withdrawable within the lines of the same, and a pull cable connected to the grip members and extending through the guideway.

1,540,567. FOLDING SHELF FOR IRONING MACHINES. MARY E. PORTER, Syracuse, N. Y. Filed July 24, 1924. Serial No. 727,933. 1 Claim. (Cl. 68—9.)



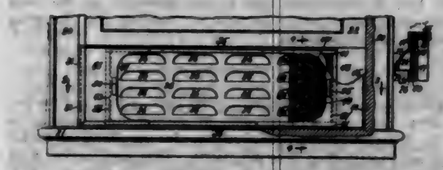
In an ironing machine having a feed roller for the articles to be ironed, a sectional table normally disposed parallel with and adjacent one side of the roller, one of the sections being relatively longer than the other section and hinged thereto to swing about an axis diagonal to the axis of the roller.

1,540,568. AUTOMOBILE TRUNK AND EQUIPMENT THEREFOR. JULES B. REBOUL, Grand Rapids, Mich. Filed Sept. 15, 1923. Serial No. 662,798. 1 Claim. (Cl. 190—12.)



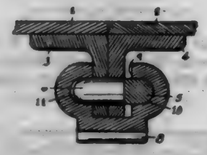
In a structure of the character described: a box having removably mounted adjacent walls, at least one of which is provided on its inner side with a slidable drawer and with folding legs adapted in their operative position to support said wall horizontally when removed from the rest of the structure, the drawer being so positioned between the folded legs as to be held thereby against opening movement.

1,540,569. VENTILATOR. HERMAN REUPERT, New York, N. Y., assignor, by mesne assignments, to Worldsbest Rainshield Ventilator Company, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 29, 1922. Serial No. 547,642. 1 Claim. (Cl. 98—31.)



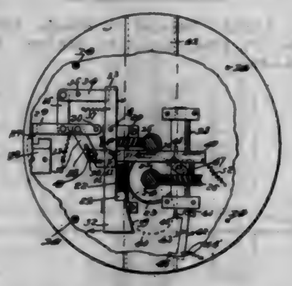
A ventilator comprising a plate having guards stamped therefrom and bulging outwardly producing ventilating openings, said plate being provided at its ends with extensions integral therewith bent laterally and inwardly to provide holding flanges, a frame arranged upon the inner side of the plate and carrying a fly screen, said frame having its ends held within the holding flanges, guide flanges formed integral with the top and bottom of the plate, and end pieces having slidable engagement with said guide flanges and being adjustable longitudinally of said plate, said end pieces being spaced from the fly screen by the inwardly bent portions of the holding flanges which serve to keep the end pieces from contacting with the fly screen and thereby protect said fly screen from being scraped when the end pieces are being adjusted.

1,540,570. CLAMP FOR CONCRETE FORMS. LUD ROBERTS, Jackson, Mich., assignor to Jackson Reinforced Concrete Pipe Co., Jackson, Mich. Filed Mar. 23, 1925. Serial No. 17,603. 3 Claims. (Cl. 25—131.)



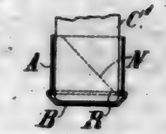
1. The combination with the retaining flanges of a flask or mold, with corresponding perforations, of a wedge member to cooperate therewith, having a dowel pin to engage the said perforations, and a keeper recessed to engage over the said flanges and having tapering longitudinal grooves to accommodate the said wedge and engage the dowel, coacting as specified.

1,540,571. COIN-CONTROLLED ELECTRIC-FAN ATTACHMENT. ORA L. SAMS, Los Angeles, Calif. Filed July 29, 1920. Serial No. 399,681. 5 Claims. (Cl. 194—45.)



1. A coin controlled stop mechanism for motor driven fans having driving and driven shafts connected by speed reducing gearing, a switch lever yieldingly actuated for movement to its closed position, locking means connected with the switch lever for holding the latter in its inoperative position comprising a coin actuable trip for releasing the locking means, and mechanism for moving the switch lever to open position comprising a locking lever for said gearing mounted for rocking and longitudinal movement and connected to the switch lever, means carried by said locking lever and an element carried by said gearing for imparting switch opening movement to said locking lever, and means for disengaging said locking lever from said gearing.

1,540,572. METHOD OF MANUFACTURING SHEET-METAL VESSELS. EDMUND SCHRÖDER, Berlin, Germany. Filed Dec. 6, 1924. Serial No. 754,389. 4 Claims. (Cl. 113—116.)



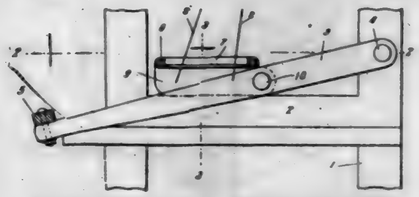
1. The method of manufacturing vessels of sheet-iron, consisting in manufacturing a vessel body by bending suitably a suitable piece of sheet-iron and closing the joint by welding, manufacturing separately a sheet-metal bottom and welding it to said body, and smoothing the two welding seams in a continuous working phase by drawing, substantially as set forth.

1,540,573. FEED TROUGH. DANIEL E. SPECHER and ELROY C. FAUST, Urbana, Ind. Filed Nov. 2, 1923. Serial No. 672,378. 2 Claims. (Cl. 119—61.)



1. A feed trough comprising a shallow container including a pair of end walls each having integral therewith, centrally thereof, and projecting outwardly from its top edge at resilient latching element offset intermediate its ends, and a cover formed with a pair of inclined depending end portions each provided with a transverse slot for the passage of a latching element and with the outer side edges of the slots engaging under the offset portions of the latching elements for detachably securing the cover to the container.

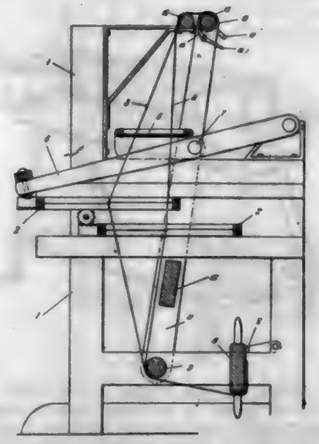
1,540,574. LOOM. BERNARD T. STEBER, Utica, N. Y. Filed Dec. 16, 1924. Serial No. 756,218. 10 Claims. (Cl. 139—18.)



1. In loom mechanism, the combination, with a loom frame, of a lever pivoted thereto, a reed movable relative to the lever located to be advanced by the lever to a weft-beating position substantially at right angles to the warp, and means for sustaining the reed in advance of the return location of the lever.

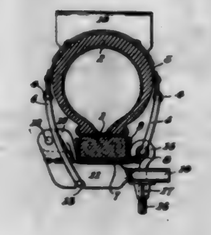
1,540,575. LOOM. BERNARD T. STEBER, Utica, N. Y. Filed Dec. 16, 1924. Serial No. 756,219. 9 Claims. (Cl. 139—18.)

7. In loom mechanism, the combination, with a loom frame, weaving means carried thereby, and a guide for the finished fabric, of a swinging frame having arms adjacent the sides of the loom frame and pivoted at their lower ends to the loom frame to swing freely by gravity, said side arms extending upwardly on an inclined plane to a point adjacent the guide, and a



takeup roller carried by the upper portions of said arms adjacent said guide, and adapted to receive and tension finished fabric incident to the gravity movement of the swinging frame.

1,540,576. ANTISKID DEVICE. FRANK STOUBAL, Verdigre, Nebr. Filed Dec. 12, 1924. Serial No. 755,502. 2 Claims. (Cl. 152—14.)

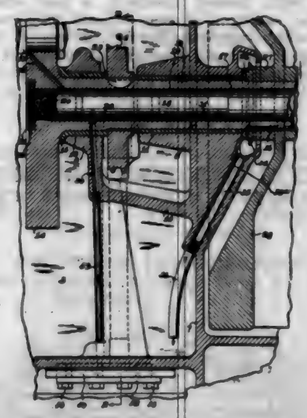


1. In an anti-skid device, an arcuate tire engaging plate, a link carried by each side thereof, a felly engaging plate to which one of the links is pivotally attached at one side, a clamping arm pivotally attached to the other side of the felly plate and constructed for detachable engagement with the other link, a threaded bolt carried by the link adjacent the felly plate mounting, spaced legs at the free end of the arm between which the bolt is positioned and a nut threaded on the bolt into engagement with the legs for holding the clamping arm in closed position.

1,540,577. LUBRICATING DEVICE. PAUL THAMM, New York, N. Y., assignor, by mesne assignments, to C. Blair Woodrow. Substitute for application Serial No. 384,949, filed May 28, 1920. This application filed Dec. 27, 1922. Serial No. 609,345. 12 Claims. (Cl. 184—6.)

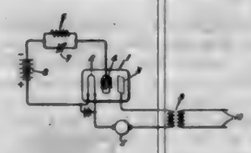
12. In a lubricating device, inner and outer shafts, keyed to rotate in unison, bearings for the outer shaft,

and oil space between said shafts, inlet and outlet ducts in the outer shaft, an inlet duct on one of the bearings,



an oil reservoir, and deflecting means located in proximity to one end of one of said bearings for deflecting and returning oil to said reservoir.

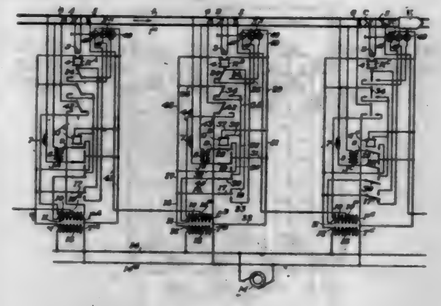
1,540,578. MEANS FOR PRODUCING OSCILLATIONS. HARRY C. THOMPSON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 1, 1921. Serial No. 481,979. 4 Claims. (Cl. 250—36.)



1. Means for producing oscillations comprising an electron discharge device having an electron emitting cathode and at least two other electrodes, an oscillatory circuit connecting the cathode and one of the other electrodes, a circuit connecting the cathode and a second electrode and containing a source of potential of such value as to permit of the effective emission of impact electrons from the first electrode in sufficient amount to produce a negative resistance characteristic in the circuit connected thereto over a range of positive potential of the first electrode, and means for maintaining the average potential of the first electrode negative with respect to the cathode.

1,540,579. RAILWAY-TRAFFIC CONTROLLING APPARATUS. HERBERT A. WALLACE, Edgewood Borough, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 10, 1924. Serial No. 725,169. 6 Claims. (Cl. 246—34.)

1. Railway traffic controlling apparatus comprising a stretch of railway track divided into a plurality of consecutive sections, a track circuit for each section including a track relay, means for supplying each said track circuit with alternating current of one relative polarity or the other according as the track relay for the section next in advance is energized or de-energized, and means for supplying at least one rail of each

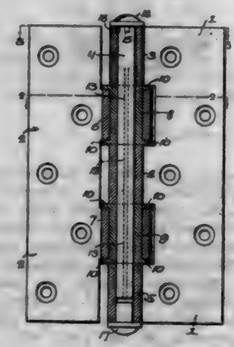


section with loop current of one relative polarity or the other according as the track relay for the section next in advance is energized in the normal or the reverse direction.

1,540,580. METHOD OF VULCANIZING RUBBER. RAYMOND MARK WARNER, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 10, 1924. Serial No. 721,076. 10 Claims. (Cl. 18—53.)

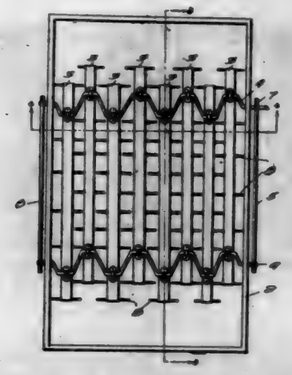
1. The hereindescribed method of producing an article of rubber having one part vulcanized and another part unvulcanized, which consists in mixing two separate stocks, one containing rubber, sulphur and a vulcanization retarder, and the other rubber but no sulphur, juxtaposing said stocks, and subjecting the same to vulcanizing temperature.

1,540,581. HINGE. ALBAN WARREN WAY, Philadelphia, Pa. Filed Feb. 12, 1923. Serial No. 618,546. 5 Claims. (Cl. 16—131.)



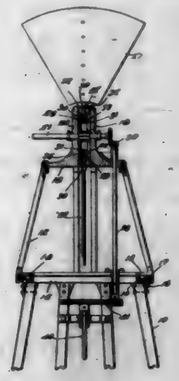
5. The combination in a five knuckle hinge, of two leaves, one leaf having three knuckles and the other leaf having two knuckles located in the spaces between the three knuckles; flanged eccentrics in the knuckles of the two knuckle leaf; a longitudinal key in each of said eccentrics; a pintle having a keyway therein; and means at one end of the pintle for adjustably securing the pintle to the three knuckle leaf.

1,540,582. HOG SCALDER. WILLIAM J. WHEELHOCK, Madison, Wis. Filed Sept. 10, 1924. Serial No. 736,921. 7 Claims. (Cl. 17—15.)



1. In combination, a vat, and longitudinal conveyor slats within the vat, and means for reciprocating the slats vertically.

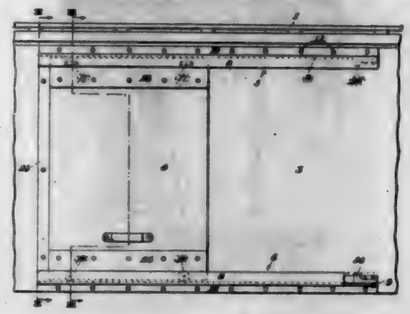
1,540,583. WIND MOTOR. BENJAMIN F. WILLIAMS and WALTER S. SCHLOTHAUER, Douglas, Ariz. Filed Dec. 27, 1924. Serial No. 758,441. 4 Claims. (Cl. 170—29.)



1. A wind motor comprising a horizontally rotatable frame, a vane disposed outwardly therefrom to control the position of the frame, a wind wheel mounted for rotation in the frame, a plurality of radially disposed longitudinally movable axially rotatable arms included in the wheel, sails carried by the arms, means operatively associated with the arms whereby the latter will be axially rotated during rotation of the wheel and means controlled by the speed of rotation of the wheel whereby longitudinal movement of the arms will render the arm rotating means inactive.

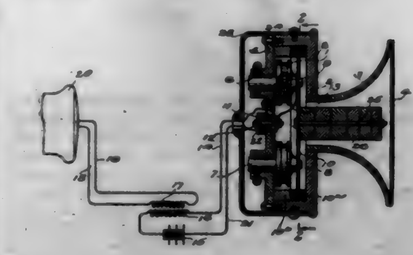
1,540,584. CAR DOOR. SEMKO ZADORONNY, Ashley, Pa. Filed Sept. 21, 1922, Serial No. 589,566. Renewed Oct. 23, 1924. 1 Claim. (Cl. 16—106.)

In combination with a car body having a side wall provided with a door opening therein, a guideway supported upon said side wall and adjacent one edge of the said door opening, said guideway comprising an inner and an outer flange, a cross-web joining said flanges and a projecting portion extending outwardly from said cross-web having perforations therein for receiving bolt fastening means, the said flanges, cross-web, and projecting portion being formed integrally, a door disposed for horizontal sliding movement in said guideway, rollers and a roller supporting bracket carried by said door and adapted for positioning said rollers above said door on substantially a vertical line therewith, the roller supporting bracket carried by the upper edge of said door



comprising a supporting portion secured to the outer face of the door, a perpendicular web portion carried by the supported portion having spaced laterally opening slots formed therein, laterally projecting spaced walls carried by said web portion positioned above said door, and rollers supported upon vertical axes carried by said spaced walls and projecting laterally through said slots and beyond the free edges of said spaced walls to engage the spaced flanges of the guideway for preventing binding of the door caused by inward or outward thrusts placed thereon.

1,540,585. ELECTRICAL STETHOSCOPE. RAYMOND BARRINGTON ABBOTT, West Lafayette, Ind. Filed Oct. 27, 1922. Serial No. 597,407. 2 Claims. (Cl. 179—139.)

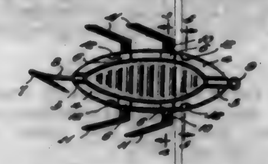


1. In an electrical stethoscopic device, means for providing a dead air chamber, a thing diaphragm forming one end wall of the dead air chamber said diaphragm being mounted for free vibratory motion and adapted to freely transmit vibrations to the dead air chamber, a weighted diaphragm forming the other end wall of the chamber, and means whereby vibrations of the last named diaphragm may be converted into electrical signal currents.

1,540,586. FISH BAIT. LEWIS D. ADAM, Jet, Okla. Filed June 9, 1924. Serial No. 718,947. 3 Claims. (Cl. 43—42.)

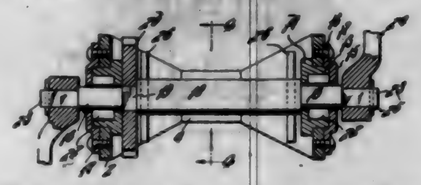
1. A fish bait comprising a hollow elongated body horizontally divided into upper and lower sections which

are secured together, and transverse flexible strips between the two body sections and projecting laterally therefrom, said upper section being of slightly greater



width than the lower section and forcing the projecting portions of said strips downwardly to inclined positions to represent legs.

1,540,587. CAR PULLER. ETNA J. ALBRITTON, Jackson, Miss. Filed May 5, 1924. Serial No. 711,220. 1 Claim. (Cl. 254—161.)



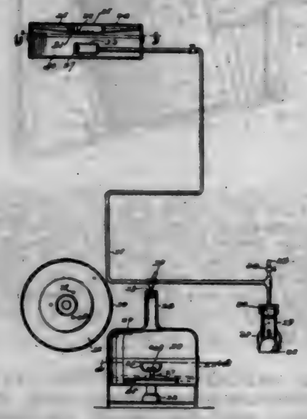
A device for extricating stalled vehicles, comprising a yoke-like frame, means spacing the sides of the frame, said sides, from said means being reduced to the ends of the frame, a hook swiveled in each end of the frame, and a cable attached to each hook, one of which is designed to be secured around a standing object, the other being trained through a sheave block carrying a hook to engage the stalled vehicle, the sides of the frame having round openings therethrough, bearing boxes having barrels received through the openings, caps threaded on the outer end of the barrels and secured to the sides of the frame, anti-frictional rollers in the bearing boxes, a shaft having trunnions which are journaled in the bearing boxes and having squared ends projecting from the trunnions, crank handles removably secured to the ends, a ratchet wheel on the shaft opposite one of the bearings, a pivoted pawl on the frame to engage the ratchet wheel, pins on the shaft adjacent to the ends thereof, and the lower lead of the last mentioned cable being trained around and secured to the shaft.

1,540,588. SECTIONAL ROLL. HORACE G. ALEXANDER, South Londonderry, Vt. Filed Dec. 15, 1923. Serial No. 680,871. 2 Claims. (Cl. 92—49.)



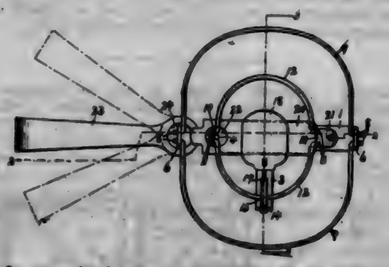
1. A sectional roll comprising a series of circular layers of wood having rounded outer surfaces conforming to the roll and formed of segments having abutting radial side edges, each layer of segments having on one face only a central depressed seat, said seat terminating in an outer, marginal groove extending part way through the segments, a plate mounted between each of the layers and seated in each of said seats, said plates each having a marginal flange extending into its corresponding groove to allow the layers to abut and to prevent outward movement of the segments, clamping plates bearing against the ends of the roll, tie rods traversing the layers outside of the interposed plates and also traversing the clamping plates, and nuts mounted on said rods to hold the layers together.

1,540,589. MEDICAL APPARATUS. BOSTON ALLEN, Baltimore, Md. Filed Aug. 17, 1922. Serial No. 582,420. 2 Claims. (Cl. 128—256.)



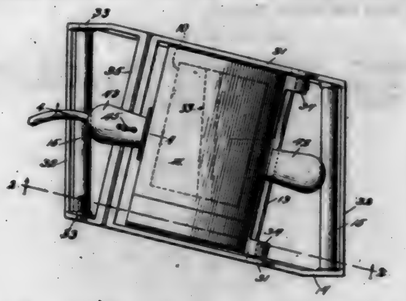
2. An apparatus for applying vapor treatment comprising an applicator, a generator, and a conveyor tube connecting the generator with the applicator, the applicator consisting of a hollow stool into which the conveyor tube extends, the latter being provided with a terminal nozzle having outlet perforations, said stool having an upper wall of concaved contour provided with central outlet perforations arranged above the perforations of said nozzle and having a top wall spaced from said upper wall and provided with a central opening, said central opening and perforations in said upper wall being bounded by an annular wall defining an annular water compartment which may be filled through a perforation in the top wall.

1,540,590. ANIMAL TRAP. JARED E. ALLEN, Oneida, N. Y., assignor to Oneida Community, Ltd., Oneida, N. Y., a Corporation of New York. Filed Jan. 3, 1923. Serial No. 610,465. 4 Claims. (Cl. 43—88.)



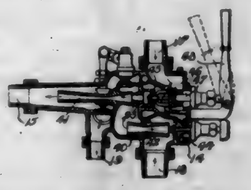
4. In an animal trap, a supporting frame, inner and outer sets of jaws mounted on the frame, a bow spring bearing on the frame within the inner jaws, a leaf spring bearing on the bow spring and engaging the inner set of jaws to close the same, means adapted to be released by an animal for holding the inner jaws in open position, a separate spring hinged to the frame to swing laterally and engaging the outer jaws for closing the same, the second named spring engaging and holding the third named spring in its tensioned position.

1,540,591. SURFACE-ABRADING DEVICE. RAYMOND L. BARKER, Chicago, Ill. Filed Jan. 7, 1924. Serial No. 684,697. 9 Claims. (Cl. 51—170.)



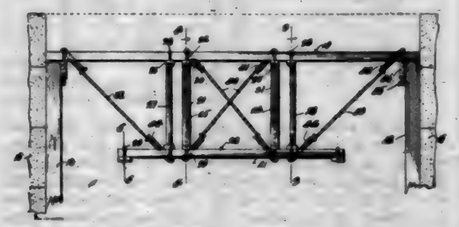
1. In a portable sander unit, the combination of a carriage, a single abrading drum pivotally supported on said carriage, means for driving said drum, the rotation of said drum tending to confine motion of said carriage along a path at right angles to the axis of said drum, and a pair of rollers on said carriage disposed at an angle to said drum for compelling said unit to travel along a divergent path.

1,540,592. EMULSIFYING OR MIXING APPARATUS. ROBERT BERTRAM BEST, Kalamazoo, Mich. Filed Aug. 25, 1924. Serial No. 734,143. 12 Claims. (Cl. 99—2.)



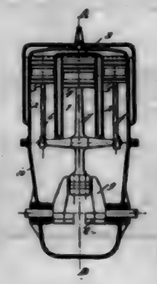
1. An emulsifying apparatus comprising an emulsion tank, a water supply tank, a steam supply, a size tank, means for heating said size tank, an automatically acting inspirator operatively associated with said steam supply and water tank whereby the temperature and pressure of the water delivered is automatically controlled, a delivery connection for said inspirator to said emulsion tank, an ejector disposed in said delivery connection and connected to said size tank, and a rotary mixer disposed between said ejector and emulsion tank.

1,540,593. TRUSS. JAMES S. BIRCH, Chicago, Ill. Filed June 1, 1923. Serial No. 642,842. 3 Claims. (Cl. 25—131.5.)



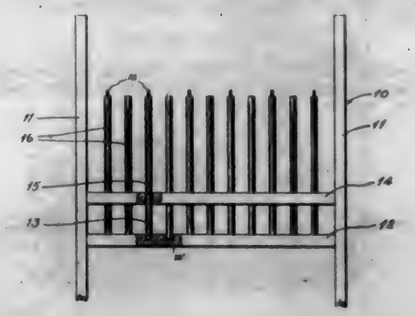
1. A truss for concrete work comprising a spaced pair of bridge beams, a pair of spaced lower weight distributing beams, compression truss disposed between the bridge beams and the weight distributing beams and engaging the inner surfaces thereof, removable U-shaped connecting members detachably holding the compression members in engagement with the bridge beams and with the weight distributing beams, and diagonally extending tension rods connected with said compression members.

1,540,594. INTERNAL FOUR-CYCLE COMBUSTION ENGINE. JAN JACOB BISCHOFF, Madioen, Java, Dutch East Indies. Filed Dec. 8, 1922. Serial No. 605,696. 2 Claims. (Cl. 123—53.)



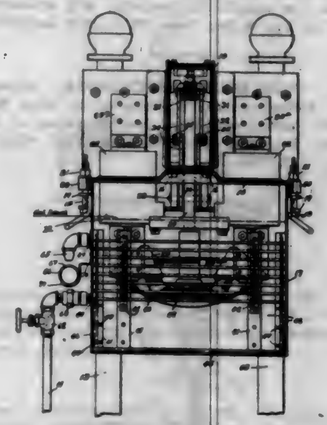
1. An internal four-cycle combustion engine comprising a casing having cylinders arranged therein, said cylinders comprising a central cylinder and two side cylinders; a crank shaft in said casing; a piston in said central cylinder and having a piston rod operatively secured at one end to said crank shaft; a cross arm on said piston rod intermediate the ends thereof; and a piston in each of said side cylinders and having a piston rod secured at one end to said cross arm, said piston in said central cylinder being adapted to produce a power stroke alternately with the power stroke of the pistons of said side cylinders.

1,540,595. LOOM FOR WEAVING MATS. NICKOLAUS BRAUER, New York, N. Y. Filed Mar. 3, 1923. Serial No. 622,700. 1 Claim. (Cl. 139—34.)



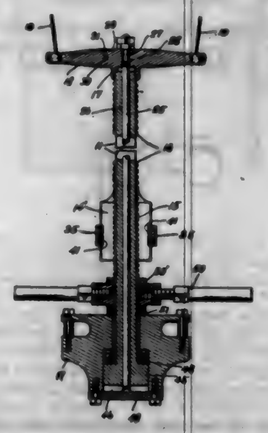
A loom for weaving articles from a length of material including dowel supporting members, one having openings therethrough and the other having sockets aligned with said openings, a plurality of dowels extending through the openings in the first-named member and having adjacent ends seated in the sockets of the second-named member, and material engaging elements carried by said dowels.

1,540,596. ELECTRIC SWITCH. GEORGE A. BURNHAM, Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed Mar. 31, 1919. Serial No. 286,353. 25 Claims. (Cl. 200—150.)



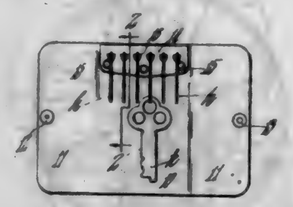
24. An electric switch having an oil receptacle, relatively-movable switch-members contained in the oil in said oil receptacle, and means disposed within the oil space of said oil receptacle arranged to cool the oil therein.

1,540,597. TEMPER SCREW. JOSEPH BURNS, Okmulgee, Okla. Filed Mar. 4, 1924. Serial No. 696,893. 2 Claims. (Cl. 255—15.)



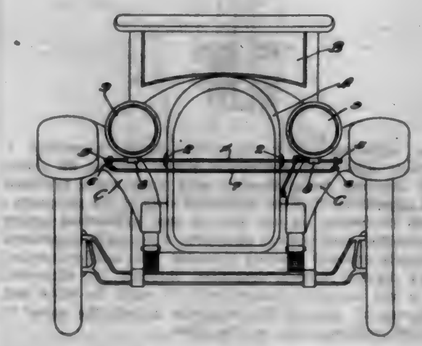
2. In a device of the class described, a screw having a longitudinal bore, a jockey stick extending through the bore, a transverse element on the lower end of the stick, stationary threaded means with reference to which the screw is rotatable, a transverse lifting bar connected with the stick and having a split socket formed therein, means for varying the effective size of the socket to compensate for wear between the end of the stick and the socket receiving it, a swivel block loosely mounted with reference to the lower end of the screw, and means for turning the screw with reference to the stationary threaded means, said swivel block being connected with the transverse element on the lower end of the stick.

1,540,598. CASE FOR KEYS AND THE LIKE. WARNER R. BURTON, Longmeadow, Mass., assignor to Burton, Incorporated, a Corporation of Massachusetts. Filed Oct. 29, 1921. Serial No. 511,436. 1 Claim. (Cl. 150—40.)



A key holder, comprising, a plate adapted to be secured to a key case and having a plurality of ears struck up forwardly therefrom and disposed at right angles thereto, each of said ears having a circular hole therethrough and having an outer wall of at least one hundred and eighty degrees angular extent which wall is curved concentrically therewith, to form a curved pivotal support for a key holding snap hook, and a snap hook pivotally engaged with each of said supports.

1,540,599. HEADLIGHT FOR MOTOR VEHICLES. JOHN M. CAVITCH, Munising, Mich. Filed Apr. 23, 1923. Serial No. 634,137. 2 Claims. (Cl. 240—61.)

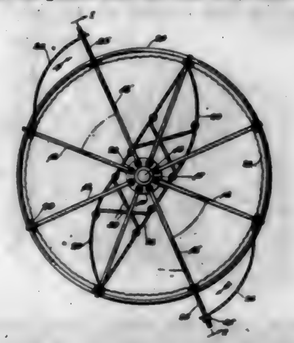


1. An adjusting mechanism for vehicle headlights, comprising a rod extending transversely across the front of the vehicle, having conical shaped recesses in its ends, a brace rod arranged parallel with the first rod and having its ends secured to the fenders of the vehicle, brackets supported by the fenders at each end of the first rod, adjustable bolts carried by the brackets, pointed ends on said bolts for engagement in the recesses of said first rod, a foot pedal and adjustable connection between the foot pedal and the first rod for imparting movement thereto.

1,540,600. DRYING MACHINE. JOHN M. CAVITCH, Munising, Mich. Filed July 6, 1923. Serial No. 649,937. 8 Claims. (Cl. 34—28.)

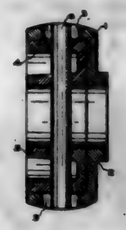
7. A dryer comprising a foraminous article containing basket, means for rotating said basket, air guiding plates carried by the basket at diametrically opposed points and curving inwardly substantially tangentially of the

perimeter of the basket for guiding air into the basket, and air guiding blades within the basket and shaped to receive the air guided into the basket by said blades and



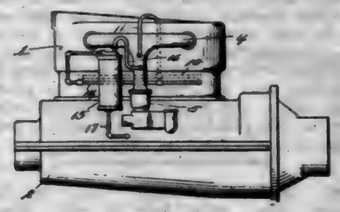
direct it out of the basket in sharp curved paths for increasing the velocity of the outgoing air over the velocity of the incoming air.

1,540,601. COMBINED FAN PULLEY AND CRANKSHAFT ADJUSTER. JOHN E. CREEK and REGINALD W. KENT, Wichita Falls, Tex. Filed Mar. 19, 1923. Serial No. 626,227. 1 Claim. (Cl. 64—17.)



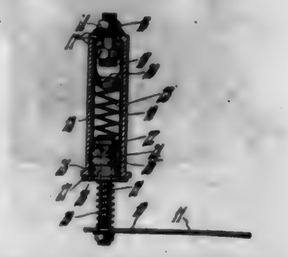
An adjusting device for crank shafts comprising a centrally apertured cylindrical pulley having an internally threaded flange thereon, said flange being provided with oppositely disposed elongated slots in its periphery; a hub projection on one side of said cylindrical pulley surrounding said central aperture; a centrally apertured annularly grooved bushing threaded into said cylindrical pulley having alined apertures through its diameter; and a pin extended diametrically through the slots and apertures of each of the members to lock the same in relative positions, one on the other.

1,540,602. INTERNAL-COMBUSTION ENGINE. CORNELIUS S. CLARK, Norfolk, Va. Filed May 3, 1924. Serial No. 710,882. 5 Claims. (Cl. 123—196.)



1. In an internal combustion engine, a cylinder including a combustion chamber, and a crank case, a piston in said cylinder reciprocable relative thereto and separating that portion of the cylinder wall exposed to the combustion chamber from that part exposed to the crank case, one of said relatively reciprocable members being provided with means constantly overlain by the other for entrapping fuel leaking from the combustion chamber past the piston, and with separate means for intercepting the lubricating oil leaking past said piston from the crank case whereby said leaking substances are segregated, and means for returning said substances to the parts of the engine from which they emanated.

1,540,603. INTERRUPTER MECHANISM. HAROLD H. CLARK, Springfield, Mass., assignor to Wico Electric Company, Springfield, Mass., a Corporation of Massachusetts. Filed Apr. 29, 1921. Serial No. 465,537. 5 Claims. (Cl. 200—80.)



3. An interrupter mechanism, comprising, a hollow guiding sleeve closed at one end, a breaker point within the sleeve and fixed in the closed end thereof, a plunger closely fitting said sleeve and slidable therein, a mating breaker point carried by said plunger, driving means for the plunger extending through the open end of said sleeve, and a closure member loosely mounted on the driving means and closing the open end of the sleeve.

1,540,604. DEVICE FOR USE IN VIEWING MOTION PICTURES. ARTHUR I. CLIMER, Van Wert, Ohio. Filed Aug. 9, 1923. Serial No. 656,525. 2 Claims. (Cl. 88—36.)

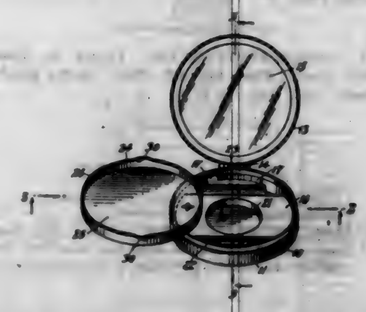


2. A device of the class described comprising optical tubes, a handle, and handle receiving keeper sleeves rigid with the tubes and approximately at right angles to each other.

1,540,605. VANITY CASE. JOSEPH J. COHN, Brooklyn, N. Y. Filed Mar. 8, 1923. Serial No. 623,767. 3 Claims. (Cl. 132—83.)

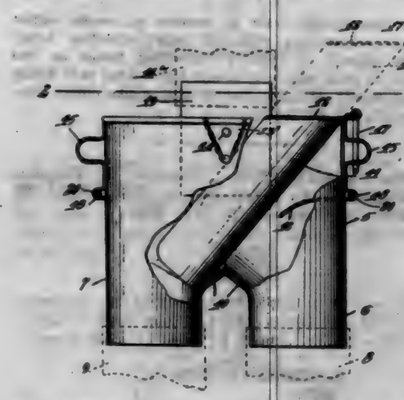
1. A twin compact vanity case comprising a body having a closed lower end and an open upper end, a cover hinged to said body and engageable over the upper open end, a partition disk supported horizontally within said body having a central opening and formed with a depending annular flange from said opening to define a

rouge compact compartment, a tray having a closed lower end and an open upper end constituting a face powder compact receptacle, and an eccentric sliding and



pivotal connection between the tray and said partition to permit of the withdrawal of the tray from the upper open end of the body and the lateral swinging thereof to uncover the rouge compact compartment.

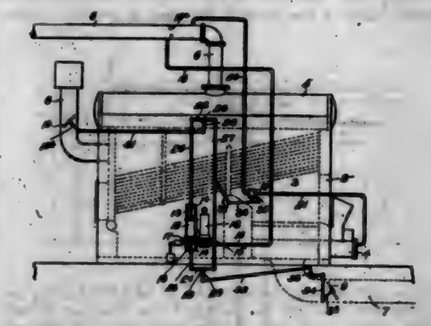
1,540,606. RAIN-WATER CUT-OFF. THOMAS F. CRARY, Middleport, Ohio. Filed Feb. 19, 1924. Serial No. 693,339. 1 Claim. (Cl. 137—9.)



In a device of the character described, a pair of pipe sections connected, and having a large upper end providing a body portion, a pipe disposed centrally of the body portion, for delivering fluid to the body portion, keepers secured to the body portion and having inwardly extended portions lying within the body portion, a trough member removably positioned within the body portion and adapted to lie under the pipe extending into the body portion, and said inwardly extended portions of the keepers adapted to be engaged by the trough member to guide the trough member to its active position when the trough member is positioned in the body portion.

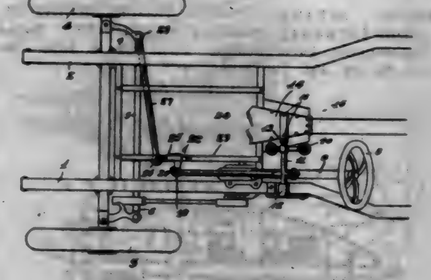
1,540,607. APPARATUS FOR CONTROLLING THE COMBUSTION OF FUEL. WILLIAM L. CURRY, Pittsburgh, Pa.; Albert Curry and Colonial Trust Company, Pittsburgh, administrators of said William L. Curry, deceased. Filed Aug. 30, 1920. Serial No. 407,015. 5 Claims. (Cl. 236—28.)

1. The combination with a steam generator and a furnace, of a steam outlet passage for the generator, a fluid pressure regulator communicating with said passage and responsive to pressure conditions therein, a suspended rocking frame comprising pivoted levers having corresponding ends connected with a movable part of the regulator through vertical rigid links and having



their opposite ends connected by a link parallel with the vertical links, a damper, and means including cranks and links connected with said rocking frame for moving the damper.

1,540,608. STEERING ATTACHMENT. GEORGE K. DAWSON and HORACE RILEY LUCE, San Bernardino, Calif. Filed July 16, 1924. Serial No. 726,364. 1 Claim. (Cl. 74—39.)

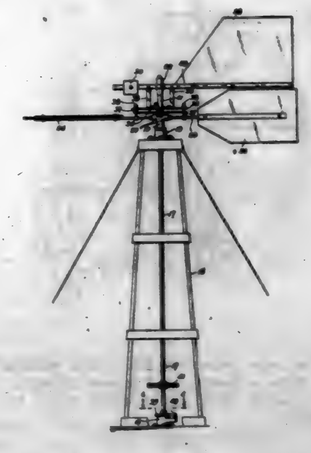


In an automobile having a transmission casing and a cover bolted to said casing, the combination with the steering gear of an automobile including a steering knuckle, of a rock shaft, brackets connected with the frame of the automobile and the cover plate of the transmission for removably supporting said shaft, a pedal rigid with said shaft for rocking the same, an arm rigid with said shaft and projecting downwardly from the same, a bell crank lever pivoted to the frame, a link connecting one arm of the bell crank lever with the arm on the shaft, a rod, and a universal joint connecting the ends of the rod respectively with the steering knuckle of the steering gear and with the other arm of the bell crank lever.

1,540,609. WINDMILL. ALFRED DEBAY, San Diego, Calif. Filed Jan. 19, 1924. Serial No. 687,298. 3 Claims. (Cl. 170—29.)

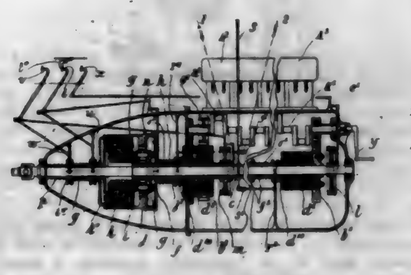
1. A wind mill comprising a shaft, a casting fixed to the shaft, sockets formed in the casting, rods rotatably mounted in the sockets, means for limiting the rotational movement of the rods, blades carried by the rods, arms fixed to the rods, rollers carried by the arms, a sleeve

rotatably mounted on the shaft, an arm fixed to the sleeve, a vane secured to the arm, a counter-weight for the vane, a bracket secured to the arm, a cam secured



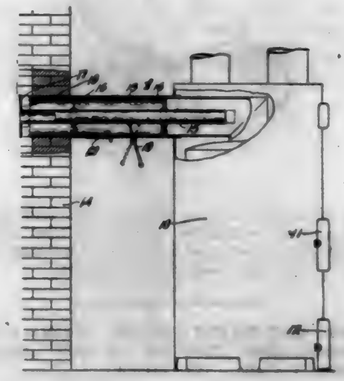
to the bracket and positioned to successively engage the first arms during rotation of the blades for effecting a feathering of the latter, and rollers carried by the cam so as to be engaged by the arms.

1,540,610. APPARATUS OPERATED BY MULTICYLINDER INTERNAL-COMBUSTION ENGINES. EMILE DESMOULINS, Paris, France. Filed June 8, 1920. Serial No. 387,401. 2 Claims. (Cl. 74—34.)



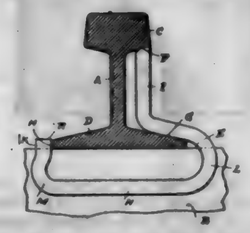
1. In an automobile vehicle, the combination of a driven shaft, two internal combustion engines, one of the engines being of greater power than the other, and both turning in the same direction, a separate crank-shaft operated by each engine, the two crank-shafts each having a pinion keyed thereon, a clutch part for each of said engines mounted to constantly rotate on said driven shaft when its engine is in operation, gear wheels carried by the constantly rotating clutch parts and meshing with said pinions, movable clutch parts associated with said constantly rotating clutch parts, a differential mechanism comprising rotatable concentric spaced annular parts driven respectively through the said clutch connections by said engines, planet pinions in driven connection with said annular parts, said annular parts having radial leverage with respect to the common axis so arranged that both parts will act with equal force on the planet pinions and will compensate for the unequal torques of the mechanism connecting the annular parts to their respective engines, and clutch means on the driven shaft for selectively connecting said driven shaft to various parts of the differential mechanism whereby variations in the speed of said driven shaft are obtained.

1,540,611. COMBUSTION TUBE. FRANK B. DISCO, Norwich, Conn. Filed Dec. 29, 1924. Serial 758,745. 6 Claims. (Cl. 110—58.)



1. In combination with a furnace, a smoke outlet pipe, a concentrically mounted tube extending longitudinally thereof, a radially extending flange on the outer end of said tube, and means for moving said flange into engagement with the end of said smoke outlet pipe, substantially as set forth.

1,540,612. ANTICREEPER. HORATIO G. GILLMOR, Washington, D. C. Filed Mar. 2, 1923. Serial No. 622,378. 12 Claims. (Cl. 238—330.)

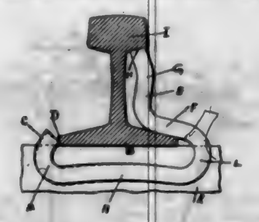


1. A rail anchor including a straight body member and terminal arms formed on the body member for securing the rail anchor to the rail, said terminal arms being so disposed with relation to the body that their grip upon the head and base of the rail is tightened by movement together in a plane transverse of the rail.

4. A rail anchor including a transverse body member and terminal arms, the upper portions of which are approximately parallel, formed on the body member and securing the rail anchor to the rail, said terminal arms being so disposed with relation to the body that their grip upon the head and the base of the rail is tightened by movement together in a plane transverse to the rail.

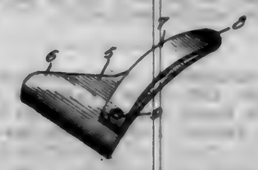
1,540,613. RAIL ANCHOR. HORATIO G. GILLMOR, Washington, D. C. Filed June 25, 1924. Serial No. 722,317. 28 Claims. (Cl. 238—330.)

14. A rail anchor including a transverse body member adapted to engage a tie but not the bottom rail base and end arms formed on the body member for securing the rail anchor to the rail, said end arms being so disposed with relation to the body member that their grip upon the head and base of the rail is tightened by movement together in a plane transverse to the rail.



1. A rail anchor comprising a body adapted to bear against a cross tie and to be out of contact with a rail base and end portions disposed so as to engage and grip the head and base of a rail at one side and to exert downward pressure upon the rail base at the other side of the rail.
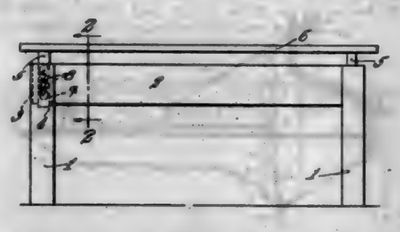
1,540,615. EYESHADE. WILLIAM C. GULDE, St. Paul, Minn. Filed Dec. 21, 1923. Serial No. 682,017. Renewed Nov. 1, 1924. 1 Claim. (Cl. 2—13.)



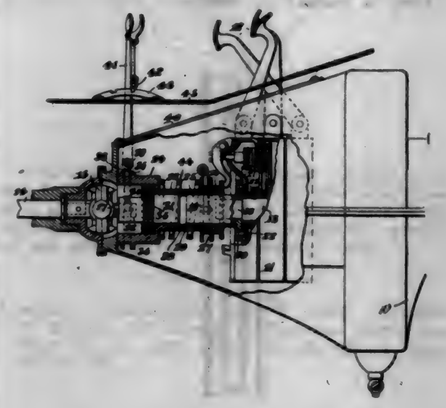
An eye shield including a body portion formed of translucent flexible material, a flexible member of translucent material of a length less than the length of the body portion, secured to the outer surface of the body portion, said body portion adapted to be curved, the second mentioned flexible member being curved to a greater degree than the body portion to hold the body portion in its curved condition, and securing means for securing the body portion to an eye glass frame.

1,540,616. ADJUSTABLE SEAT. CHARLES H. HAGOPIAN, Springfield, Mass. Filed Dec. 7, 1923. Serial No. 679,230. 1 Claim. (Cl. 155—68.)

An adjustable seat comprising, in combination, a support having vertical guideways at the ends thereof, a seat having rigid guides depending therefrom that are slidable in said guideways, whereby the seat may be moved vertically of the support, pawls pivoted at opposite sides of each of said guides, plates carried by the support at either end of said guideways each having a central boss portion that is provided with pawl engaging notches in one side thereof and a flange extending around the boss to form a notch guide at the notched side of the boss and a channel at the rear side thereof, whereby the pawls are guided into the notches during a raising movement of the seat and into the channel and away from the notches during a lowering of the seat.



1,540,617. CLUTCH. WAYNE L. HAINES, Madelia, Minn. Filed Jan. 15, 1924. Serial No. 686,318. 1 Claim. (Cl. 192—67.)

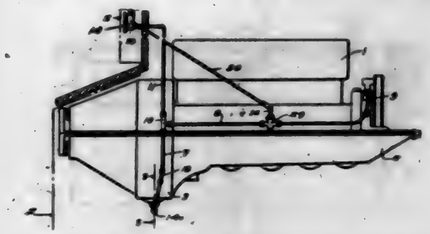


In a clutch mechanism, a shell member having internal teeth and a longitudinal internal guideway, an external longitudinal guide channel and an internal longitudinal guide channel, a holding member having a guide rib engaging in the internal guide channel of the shell, a clutch member having a guide portion engaging in the guideway of the shell and a plurality of teeth adapted to co-act with the teeth of the shell, a shipper collar slidable on the shell and adapted to actuate transmission mechanism, said collar having a guide rib movably engaging the external guide channel of the shell, means for adjusting the shell longitudinally of the clutch member to couple and uncouple the teeth, and means for independently adjusting the shipper collar longitudinally of the shell.

1,540,618. LUBRICATING SYSTEM FOR INTERNAL-COMBUSTION ENGINES. GEORGE E. HAMILTON, Jacksonville, Fla. Filed Feb. 21, 1924. Serial No. 694,339. 3 Claims. (Cl. 184—6.)

1. An internal-combustion engine having a crank case, a fly-wheel, a housing for the fly-wheel at the rear end

of and communicating with the crank case, an oil intake member communicating with the bottom of the housing, a tube extending upwardly from the intake member to a point above the crank case, a breatner pipe



communicating with front end of the crank case, and a second tube extending from the upper end of the first tube to the breather pipe and having its front end downturned and entering the breather pipe.

1,540,619. WELL-BORING DRILL. MICHAEL J. HANNAN, Marietta, Ohio. Filed Jan. 7, 1925. Serial No. 1,026. 4 Claims. (Cl. 255—61.)



1. A well boring drill, consisting of a flattened and vertically channeled bit with a contracted shank rising therefrom and provided with means for connection to a drill rod, said shank having a pair of radially attached projecting lugs formed thereon below the upper end of the shank above the bit and at right angles to the flattened sides of the bit, said lugs being free at their outer ends and extending substantially the width of the bit and arranged and adapted to thoroughly stir and mix together the particles of earthy material bored and separated by the bit.

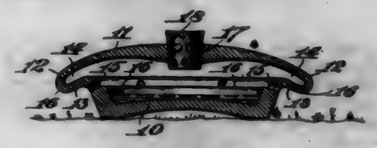
1,540,620. CATTLE STANCHION. HAAKEN P. HANSON, Albert Lea, Minn., assignor to The Olson Manufacturing Co., Albert Lea, Minn., a Corporation of Minnesota. Filed Sept. 4, 1924. Serial No. 735,855. 5 Claims. (Cl. 119—149.)

1. A stanchion comprising a relatively fixed side bar, a swingable side bar, an elongated slide bar passing loocsely through the upper ends of the side bars and projectable beyond the same, means for centering the slide bar so that it projects equally at each side of the stanchion when closed, abutments formed in each



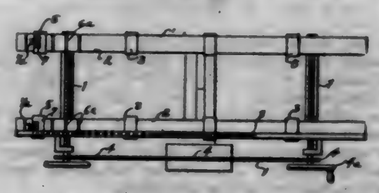
side bar adjacent to the slide bar, and lugs carried by the latter and adapted to engage the abutments to support the swingable side bar when fully opened.

1,540,621. ANT-POISON RECEPTACLE. MOSS HANSON and ELBERT C. HANSON, Los Angeles, Calif. Filed Oct. 16, 1923. Serial No. 668,839. 2 Claims. (Cl. 43—131.)



1. An ant poison receptacle comprising a shallow pan-like base having ant passageways formed in the upper portion of its side wall, a top having a chambered marginal portion that overhangs said ant passageways, and a ledge formed on the inner face of the side wall of the base below said ant passageways.

1,540,622. MEASURING AND SQUARING DEVICE FOR SASH AND DOOR CLAMPING MACHINES. RICHARD M. HARRIS, Dallas, Tex. Filed Oct. 31, 1924. Serial No. 746,954. 2 Claims. (Cl. 144—291.)



1. In a sash and door-clamping machine, a pair of supporting rails, adjustable side-clamping lugs thereon, means for moving said rail toward and away from each other, and adjustable end-lugs at the ends of the rails with mechanism for applying pressure at the ends of the rails to the sash or door, and a scale rule disposed between the sash or door and said side-clamping and end-lugs.

1,540,623. FLOATING SHOE. KICHINOSUKE HASHIMOTO, Tokyo, Japan. Filed July 1, 1924. Serial No. 723,590. 2 Claims. (Cl. 9—21.)



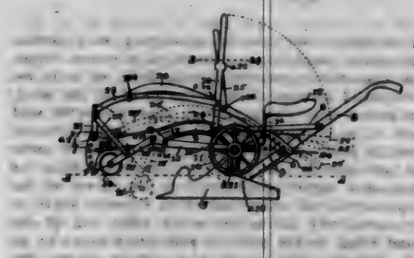
1. A floating shoe comprising an oblong float provided with upper and lower plates secured to the central part thereof on opposite sides, leaving only the surrounding endless part thereof adapted to be inflated.

1,540,624. ANTISKIDDING DEVICE. EMIL H. HAUPT, New York, N. Y. Filed Sept. 8, 1924. Serial No. 736,552. 4 Claims. (Cl. 152—14.)



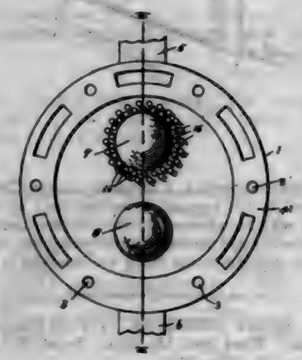
3. The combination with an automobile, supports fixed to the front and rear portions of the automobile, arms pivotally connected to said supports, ground engaging rotary members at the free ends of the arms, elastic means connecting said ground engaging members with the arms, a link connecting the arms and compelling their operation in unison, a lever operatively connected to the link, a latch adapted to hold the arms in either elevated or lowered position, and a foot-operated device controlling the latch.

1,540,625. RIDING ATTACHMENT FOR WALKING PLOWS. DARLEY C. HAYWARD, Custer, Wash. Filed Sept. 11, 1922. Serial No. 587,807. 2 Claims. (Cl. 97—130.)



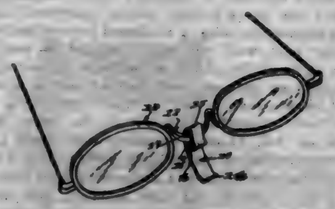
1. The combination of a walking plow, a wheel axle one end of which is fastened to the plow beam thereof projecting landward therefrom, a land wheel mounted for revolution on the outer end of said axle, and a driver's seat supported by said axle, of a gage-wheel arm pivoted to the forward end of the plow beam for vibration beneath the same, a gage wheel mounted for revolution on an axle on the lower end of said gage-wheel arm forward of the plowshare point, a lever link fulcrumed to the forward end of the plow beam vibratable above the same, a link pivoted to said gage-wheel link and to said lever link, a hand-control lever pivoted to said plow beam near said axle to vibrate above said beam, a horizontal link pivoted to said lever link and said control lever, a holding bar having spaced notches underneath in its rear end and pivoted to said horizontal link forward of said notches separate engageable with a catch bar, and a catch bar fastened to the plow adapted to engage said notches.

1,540,626. VAPORIZER. LUCIEN MANLY HIGGINS, Carpinteria, Calif. Filed Sept. 5, 1922. Serial No. 586,263. 3 Claims. (Cl. 123—30.)



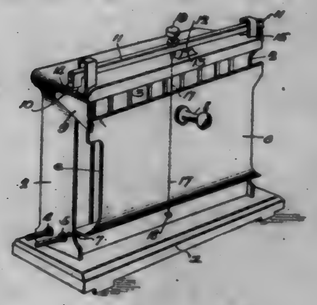
1. In combination with an internal combustion engine having a firing chamber with an inlet valve therein, a plurality of pins secured at one end each to the wall of the firing chamber grouped around the valve inlet and projecting into the combustion space.

1,540,627. SPECTACLE BRIDGE REST. CHARLES W. HOLMES and SAMUEL C. HASSLER, Liberty, Mo. Filed Aug. 31, 1922. Serial No. 585,468. 1 Claim. (Cl. 88—55.)



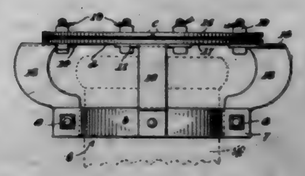
A spectacle bridge rest comprising a single leaf of material of substantial elongated form with one end adapted for bearing engagement with the ridge of the nose, the other end of the leaf being bent to form a loop, one wall of the loop being rebent within and conforming to the loop, causing a seat to be formed for the reception of the bridge, the terminal of the rebent portion having a bulge a short distance below the crotch of the seat to retain the bridge engaged in the seat.

1,540,628. AUTOMATIC TEMPERATURE CONTROL FOR BREAD TOASTERS. FREDERICK E. HURXTHAL, Salem, Ohio, and ALPHEUS O. HURXTHAL, Philadelphia, Pa. Filed Dec. 1, 1924. Serial No. 753,155. 7 Claims. (Cl. 219—19.)



1. In a toasting device, a sensitive element located in such relation to the surface of the material to be toasted that it will be affected by the surface temperature of the material, and mechanism, actuated by the sensitive element, for indicating when the material is toasted.

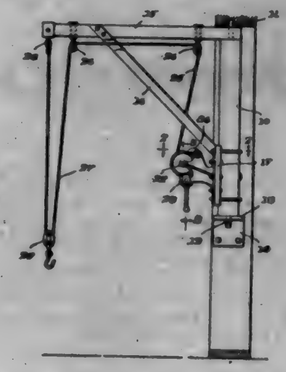
1,540,629. SPARK ARRESTER. JOB HUBBARD, Cleveland, Ohio. Filed Nov. 18, 1924. Serial No. 750,578. 1 Claim. (Cl. 183—74.)



In a spark arrester, a mounting collar formed of two parts with the parts having mating apertured ears for receiving connecting bolts, a U-shaped bracket fastened to each collar part with one side arranged in parallelism with the plane of the collar, an arcuate bracket clamped at its lower end between each pair of mating apertured ears and having lateral lugs at their upper ends, and a spark arrester structure fastened to the upper ends of the U-shaped and arcuate brackets, said spark arrester structure including a disk-shaped screen, and two-part clamping rings overlying and underlying said screen and bolted thereto and to the said brackets, the parts of said rings being of semi-circular shape and arranged in respect to each other with the mating ends of one ring arranged at right angles to the mating ends of the other ring.

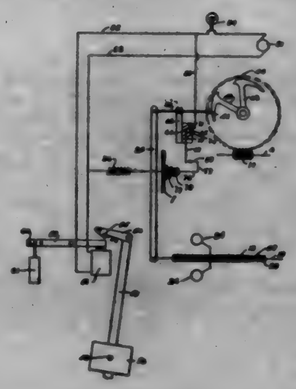
1,540,630. HOISTING DEVICE. CHARLES JENKS and CHRIS E. NELSON, Darlington, Wis. Filed June 2, 1924. Serial No. 717,899. 1 Claim. (Cl. 212—61.)

Means for supporting the crane on the door frame of a building, said means comprising a bracket secured to the door frame, a post journalled between the bracket and the upper part of said frame, a plate having a concaved portion at one side to accommodate itself and said post, U-shaped clamps embracing the posts and passed through said plate for holding the latter attached to



the post, and said plate also including an operating mechanism for the crane as and for the purpose specified.

1,540,631. CONTROLLER FOR HOISTING ENGINES. ALFRED E. JOHNSON, Denver, Colo. Filed Dec. 15, 1923. Serial No. 680,876. 10 Claims. (Cl. 192—140.)



1. A controller for use in connection with hoists, said controller comprising a centrifugal governor adapted to be operatively connected to the hoist so as to rotate at a speed corresponding to the speed of the hoist, a lever having one end operatively connected with said governor so as to be moved thereby, a switch contact connected to said lever at a point intermediate its ends, a shaft operatively connected with the governor so as to rotate at a speed proportional to the speed of the governor, a pair of cams connected to said shaft, a plunger operatively connected to the other end of the lever and lying in the path of said cams so as to be engaged thereby, said cams when they engage the plungers moving the lever in a direction that tends to close the switch.

1,540,632. ICE CAN. JOHN F. KELLEY, Tuscaloosa, Ala. Filed Dec. 27, 1924. Serial No. 758,372. 1 Claim. (Cl. 62—137.)

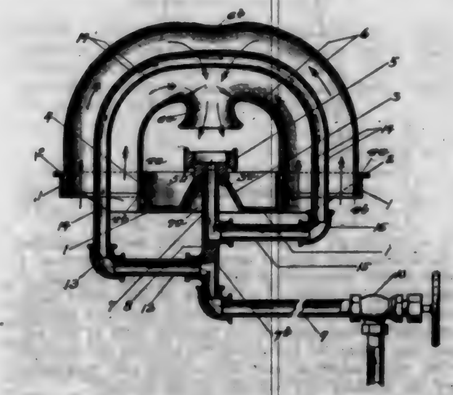
In ice manufacturing apparatus, a can adapted to be placed in a freezing medium, said can having opposite walls thereof provided with outwardly opening hollow

ribs running the full length thereof, each of said hollow ribs extending into the can a distance approximately equal to one-fourth of the distance between the walls having said ribs and being spaced from the adjacent side walls of the can a distance approximately equal to the distance that said ribs extend into the can so that water within and at the center of the can will be frozen at substantially the same rate as at the sides of the can, said ribs being tapered from their lower towards



their upper ends and also being tapered inwardly, said can having a bottom provided with recesses through which the lower ends of said hollow ribs extend whereby said ribs open through the bottom as well as the sides of the can to permit free circulation of the cooling medium therethrough, and downturned flanges on said bottom about the recesses therein, embracing and secured to said ribs to stiffen the latter and to provide a means of producing a water tight joint between the sides and bottom.

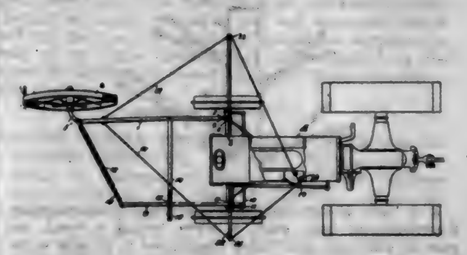
1,540,633. OIL BURNER. OTIS CLARK KINSOLVING, Nashville, Tenn. Filed Feb. 14, 1923. Serial No. 619,056. 1 Claim. (Cl. 158—63.)



In an oil burner, a base, a jet mounted on the base and comprising an elongated hollow body having a single slot in its upper portion from which the oil issues in the form of a spray, means for supplying oil to the jet including a retort of inverted U-shaped form wherein the oil is preheated, said retort overlying the jet and communicating therewith, and means for supplying heated air to the jet and comprising an inverted U-shaped air chamber mounted on the base and enclosing the retort and also overlying the jet, the air chamber being provided on its underside with a flaring outlet directly above the single slot of the jet, said air chamber having its portion above the flaring outlet inwardly deflected to provide surfaces for deflecting the heated air down through the outlet and onto the slot of the jet.

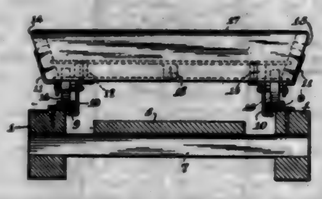
1,540,634. TRACTOR ATTACHMENT. DICK F. KIRCHHOFF, Athol, Kans. Filed Dec. 8, 1924. Serial No. 753,700. 3 Claims. (Cl. 180—82.)

3. In combination with a tractor, a frame connected with the front thereof, and with a part of the steering mechanism, a furrow engaging wheel carried by the frame, a flexible member connected with one of the terminals of the ignition circuit of the tractor and with



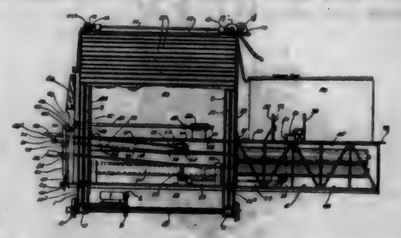
a part of the frame so that the shifting of the frame will detach the terminal and thus break the ignition circuit.

1,540,635. TOBOGGAN. STANLEY E. KOHL, Santa Rosa, Calif. Filed Jan. 19, 1925. Serial No. 3,349. 1 Claim. (Cl. 104—70.)



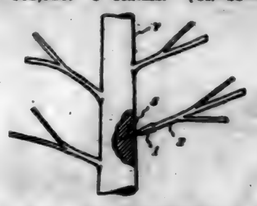
A toboggan comprising a pair of sled like side members spaced with end strips which support longitudinal ribs, which support top and bottom floors running across the toboggan, axles mounted to said brackets which are bolted to sledlike side members and said longitudinal ribs, wheels on said axles and running in a channel steel track to prevent lateral displacement while said brackets extend below and under said channel track to prevent toboggan from jumping same at any point between starting table and water line.

1,540,636. ZINC-RETORT CLEANER. STEVAN KOVAČEVIĆ, Pittsburgh, Pa. Filed July 25, 1923, Serial No. 653,766. Renewed Apr. 18, 1925. 9 Claims. (Cl. 214—28.)



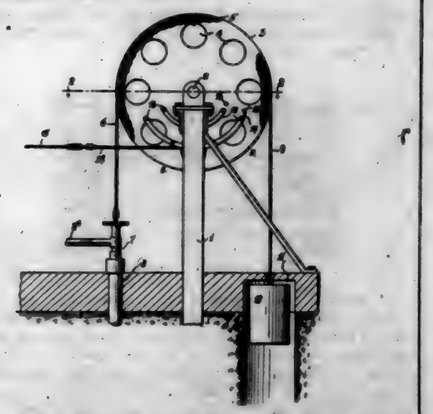
1. In a machine of the character described, a main supporting frame, a supplemental frame, means for adjusting said supplemental frame vertically in the supporting frame, shovels carried by the supplemental frame, means for projecting and retracting said shovels, scrapers carried by said supplemental frame, means for projecting and retracting said scrapers, and means for adjusting the scrapers and the shovels at an inclination.

1,540,637. TREE-BRANCH HOLDER. STEPHEN J. KRATZER, Northampton, Pa. Filed Sept. 15, 1923. Serial No. 662,920. 3 Claims. (Cl. 41—15.)



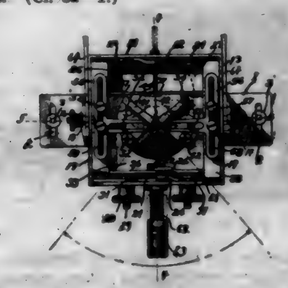
1. A tree branch holder comprising a substantially frustro-conical body shell, a screw having a head, the apex of said body shell being constricted to fit said screw head.

1,540,638. PUMP JACK. CHARLES PYRON LAUGHTER, Luling, Tex. Filed Dec. 5, 1924. Serial No. 754,068. 3 Claims. (Cl. 74—5.)



1. A pump jack for wells comprising a wheel and a support mounted over a well, rocker arms arranged upon the wheel and adapted to receive cables from a source of power, means on the wheel for adjustably connecting the well cable carrying the pump rod; and a weight on one side of the wheel to aid in reciprocating the pump rod in the well.

1,540,639. INCISAL GUIDE. JOHN A. LENTZ, Phoenix, Ariz. Filed May 28, 1923. Serial No. 642,053. 13 Claims. (Cl. 32—1.)



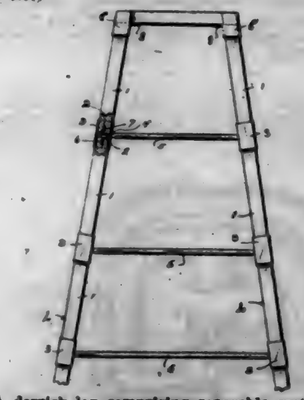
1. An incisal guide for an element of the character described, comprising a plane pivotally supported on a transverse horizontal axis and means for setting the plane in any desired position, said plane being longitudinally divided and hinged and having means associated therewith for setting either section at a desired angle.

1,540,640. TRAP OR SNARE FOR ANIMALS. EDWIN GEORGE LEWIS, Basingstoke, England. Filed Dec. 9, 1924. Serial No. 754,774. 18 Claims. (Cl. 43—87.)



1. In a trap and in combination, a spring barrel, means for rotatably mounting the barrel on the ground, a guide member attached to the barrel, and a draw string movably carried by the guide member and attached to the spring barrel, the guide member being constructed to hold the spring barrel in the set position.

1,540,641. DERRICK LEG. FRANCES W. LOCKHART, Osage County, Okla.; Minnie Lockhart administratrix of the Estate of said F. W. Lockhart, deceased. Filed June 7, 1924. Serial No. 718,627. 3 Claims. (Cl. 20—0.5.)



1. A derrick leg comprising separable sections adapted to be substantially aligned when in assembled relation, a sleeve snugly surrounding the meeting end portions of said sections, certain of the walls of the sleeve being provided with openings, brace members insertible through said openings and between the meeting ends of the sections, and means for connecting the inserted end portions of the brace members, said means being also engageable with the meeting end portions of the sections.

1,540,642. WRENCH. WILLIAM T. LONG, Puyallup, Wash., assignor to John F. Reed, Seattle, Wash. Filed Aug. 21, 1923. Serial No. 658,581. 1 Claim. (Cl. 81—147.)

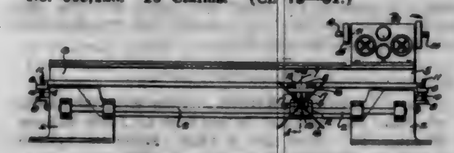
A wrench comprising a straight bar shank having a transverse shoulder on one side edge between its ends and provided with a longitudinal series of transverse teeth on its opposite side edge, a fixed head carried by one end of the shank, a sleeve fitting loosely around the shank between said head and the shoulder and having its closed side normally disposed at an angle to the adjacent longitudinal edge of the shank and spaced a greater distance from said longitudinal edge at its upper end than at its lower end, a movable head secured in the open side of the said sleeve to cooperate with the fixed head, said movable head having a laterally curved thumb piece extending from the sleeve toward the free end of the shank with its free end normally spaced from the teeth on said shank, a series of transverse teeth on the edge of the head presented to the shank and adapted to engage the teeth on said shank, said teeth on the head defining an arc, and a leaf spring secured between its

ends in the closed side of the sleeve and having its ends bearing upon the adjacent edge of the shank, one end of said spring being bent to form a curved terminal for sliding engagement with the shank and the other end thereof being provided with a terminal abutment adapted



to impinge against the transverse shoulders on the shank for limiting the longitudinal movement of the head, said movable head being readily removable from one end of the shank when the spring is depressed so as to clear said shoulder.

1,540,643. BALANCE-TESTING MACHINE. JACOB LUNDGREN, Philadelphia, Pa., assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1922. Serial No. 605,425. 10 Claims. (Cl. 73—51.)



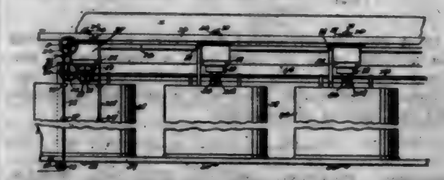
1. In a balance testing machine, the combination with an oscillatory support structure, of means for rotatively mounting a test body upon the structure, means for suspending the structure to afford an axis of oscillation parallel to the axis of rotation of said body and in a perpendicular plane passing through the axis of the test body, and means for suspending the structure to afford an alternative axis of oscillation at right angles to said plane.

1,540,644. CHAIN HOLDER AND APPLIER. LEON C. MAMAUX, Wilkinsburg, Pa. Filed Dec. 31, 1923. Serial No. 683,805. 3 Claims. (Cl. 152—14.)



1. In combination with an automobile, a supporting frame slidably mounted on the running board of the automobile for movement toward and away from the rear wheel of the automobile, an anti-skid chain slidably mounted in the frame, co-operating means carried by the chain at one end thereof and the wheel for withdrawing the chain and applying it about the wheel during rotation thereof when the frame is in its rearward position, co-operating means carried by the first mentioned means and the chain at the other end thereof for securing the ends of the chain together, and means carried by the frame for moving the second mentioned means into operative position.

1,540,645. SUGAR REFINER AND SCRAPER OR UNLOADER THEREFOR. MAURICE C. MEIELS, New Orleans, La., assignor of one-half to William Washington, New Orleans, La. Filed Nov. 21, 1921. Serial No. 516,717. 6 Claims. (Cl. 210—63.)



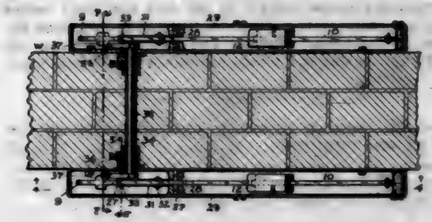
1. In a centrifugal sugar refining machine, a rotatable basket having a discharge opening in its bottom, a vertically movable cover normally closing said opening, a charge tank adapted to discharge into the top of said basket and having a valve controlling the discharge, a receptacle adapted to discharge into the top of the tank, a valve controlling said discharge, manually operable means for permitting or preventing the discharge of material from the tank into the basket, and manually operable means movable in one direction to prevent the discharge of material from the receptacle into the tank and simultaneously lowering the cover into position over the discharge openings of the basket or movable in the other direction to open communication between the tank and said receptacle and simultaneously raise said cover.

1,540,646. TOE SPRING FOR RUBBERS. MILFORD J. NEWHOUSE, Kenwood, N. Y. Filed Apr. 17, 1924. Serial No. 707,149. 3 Claims. (Cl. 36—58.5.)



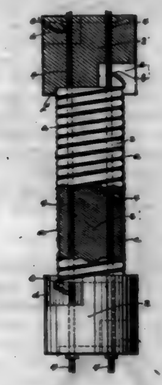
1. A device for retaining rubbers and the like upon shoes consisting of a bow spring adapted to be inserted in the toe of a rubber and having its ends returned inwardly one beyond the other in overlapping relation for engaging the toe of the shoe when the rubber is placed in operative position thereon, said ends being normally tensioned to spring inwardly away from the bow portion to exert forward pressure upon the bow when the device is placed in operative position.

1,540,647. FIRE-DOOR CONTROL. FREDERICK W. PARSONS, Cleveland, Ohio. Filed June 26, 1922. Serial No. 571,061. 13 Claims. (Cl. 189—45.)



10. A pair of self-closing fire doors, a pivoted lever and movable catch for each door, a fusible cable connected with said levers, and an oscillatory device conpendent for movement upon said levers and engageable with said catches alternatively.

1,540,648. HEATING DEVICE FOR OIL WELLS. ROYAL S. PERSHING, Fort Worth, Tex. Filed Oct. 3, 1922. Serial No. 592,055. 11 Claims. (Cl. 219—38.)



1. An oil well heater comprising a plurality of cores and heads alternately arranged, the opposite ends of the heads being formed with sockets to receive the adjacent ends of the adjoining cores, conductor rods passing continuously through the several cores and heads, and resistance elements supported by the cores, the heads formed with pockets exposing the rods for connecting the elements to the rods.

1,540,649. BAIT ATTRACTIVE TO THE COTTON-BOLL WEEVIL. FREDERICK B. POWER, Washington, D. C., and VICTOR K. CHESNUT, Hyattsville, Md. Filed Sept. 24, 1924. Serial No. 739,690. 2 Claims. (Cl. 167—6.)

1. A bait attractive to the cotton boll weevil comprising substances chemically identical with the volatile constituents of the cotton plant.

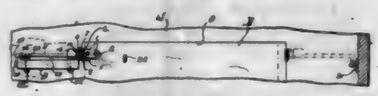
1,540,650. PRESSURE MACHINE FOR FORMING ARTICLES FROM PLASTIC MATERIALS. ROBERT F. J. PRATHER, Dallas, Tex. Filed Nov. 9, 1923. Serial No. 673,652. 4 Claims. (Cl. 25—21.)

1. An anti-friction brick pressing machine including horizontal and vertical rollers in housings disposed on four sides of an elongated tapered channel; means to actuate said rollers in unison; means to permit the



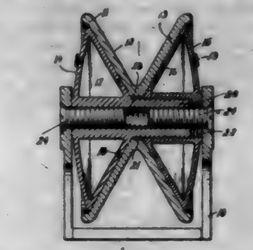
unobstructed passage of said rollers around within the housing, and belt means to aid in the conveying of clay through the rollers.

1,540,651. DOOR HOLDER. SAMUEL J. RAWLINGS, Kearny, N. J. Filed July 22, 1924. Serial No. 727,542. 5 Claims. (Cl. 292—262.)



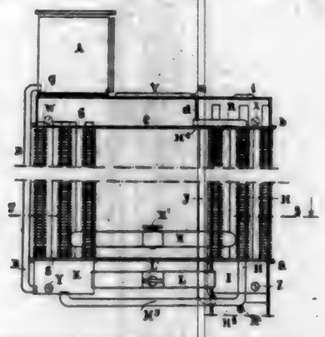
1. In combination with a wall having an opening, a swinging closure member therefor, a hollow member secured to the wall adjacent to the opening and provided with a slot in one of its walls, one end of the slot being open, a rod, means for operatively connecting the rod to the door, an arm carried by the rod and insertable with the member through the slot, an enlargement carried by the arm adapted to extend within the member, said enlargement being of a width greater than the width of the slot, the open end portion of the slot being enlarged to permit said enlargement of the arm to pass therethrough, said arm being in position to be moved through the enlarged portion of the slot only when the door is in completely closed position, said member being provided with means for coaction with the arm to hold the door ajar.

1,540,652. TROLLEY WHEEL. FRED WILLIAM SAXON, Windber, Pa., assignor of one-half to Jacob Nedrow, Windber, Pa. Filed Nov. 3, 1924. Serial No. 747,588. 1 Claim. (Cl. 191—63.)



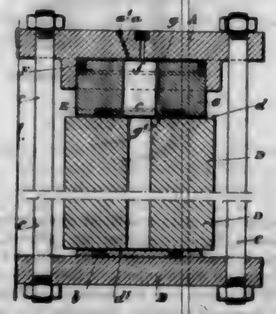
A wheel of the character described embodying a rotatable member having oppositely inclined annular bearing faces, bearing members having opposed bearing faces for engagement with the bearing faces of the rotatable member, an exteriorly threaded stud extending concentrically from one bearing member for adjustable engagement within an interiorly threaded opening provided in the other bearing member, whereby the bearing members may be adjustably connected to provide a substantially V-shaped annular bearing to receive the rotatable member, said stud having an interiorly threaded opening extending axially therethrough, a supporting member and threaded studs extending through the supporting member into the threaded opening for securing the bearing member in position.

1,540,653. RADIATOR. THEOPHILE SAVARY, Paris, France. Filed Jan. 26, 1923. Serial No. 615,180. 8 Claims. (Cl. 237—16.)



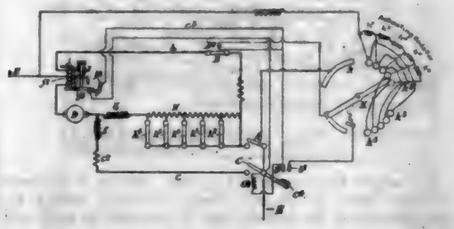
6. A radiator, comprising an upper tank, a pair of spaced lower tanks, means for externally heating one of the lower tanks, horizontal piping connecting the two lower tanks, a system of vertical pipes interposed between the upper and lower tanks and opening into them at opposite ends, and a set of accelerator pipes opening at their upper ends into the upper tank and having horizontally off-set lower portions which extend beneath the heated lower tank in proximity to said heating means so as to be heated thereby and which open at their free ends through the bottom of the other lower tank; substantially as described.

1,540,654. APPARATUS FOR PRODUCING SELF-HOOPING EFFECTS IN METAL TUBES. EUGENE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed June 29, 1923. Serial No. 648,559. 11 Claims. (Cl. 29—1.11.)



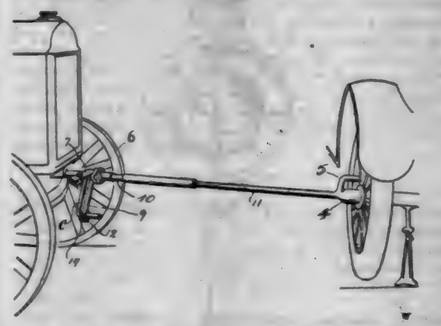
5. In an apparatus for subjecting metal tubes to hydraulic pressure, the combination of two plates at opposite ends of the tube, tie-rod connections between said plates, a sleeve intermediate one of said plates and one end of the tube, annular liquid-sealing joints respectively between said sleeve and plate and between said sleeve and tube, the diameter of the joint between the sleeve and plate being substantially greater than the diameter of the joint between the sleeve and tube, a centering obturator carried by the sleeve and entering one end of the tube, and a second centering obturator carried by the other plate and entering the opposite end of the tube.

1,540,655. ELECTRICALLY-OPERATED CRANE, HOIST, AND THE LIKE. WILLIAM HARDING SCOTT and JOHN BENTLEY, Norwich, England, assignors to Laurence Scott Company Limited, Norwich, England. Filed May 4, 1921. Serial No. 466,636. 4 Claims. (Cl. 172—152.)



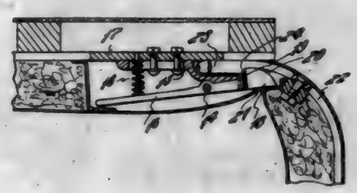
1. In electrically operated hoisting apparatus, of the type described, a series-wound motor, a starting resistance, connections whereby the motor acts as a generator when the armature is driven by the load, an auxiliary resistance and in series therewith an auxiliary field winding for the motor, means operative, when the motor acts as a generator, for leading current from the source of power through the series field winding and the armature in parallel, and thence in series through the auxiliary field winding and the auxiliary resistance, the electrical connection being such that the motor magnets are excited for the lowering direction when the motor is rotated in the lowering direction, the said auxiliary winding serving to increase the torque when current is supplied through the auxiliary resistance and auxiliary winding from the source of electric power.

1,540,656. POWER CRANKING DEVICE FOR FORDSON TRACTORS. ALFRED BRUNO SEPPMANN, Lake Crystal, Minn. Filed Apr. 23, 1923. Serial No. 634,039. 1 Claim. (Cl. 74—106.)



A device of the class described comprising an elongated member, means carried by one end portion of the member for operatively connecting the same to the crank of a motor, the opposite end of the member being provided with a socket member to engage the hub cap of a driven wheel whereby said member and wheel will rotate in unison, and a branch crank integrally connected with said member inwardly of and in close proximity to the socket member, said branch crank being adapted to engage between adjacent spokes of the wheel, said branch crank being substantially L-shaped in form with its foot engaged with the member and its stem of a length to extend outwardly beyond the socket member, said branch crank being entirely to one side of the member and radially with respect thereto, the stem of the branch crank being substantially in parallelism with the member, said socket member being machined out smooth and slightly tapered.

1,540,657. CONVERTIBLE SEAT. WILLIAM THOS. SHAW, Portland, Oreg. Filed May 24, 1924. Serial No. 715,702. 1 Claim. (Cl. 155—7.)



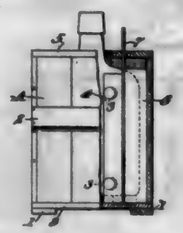
A vehicle body including a seat having a hingedly mounted back, a bracket wholly arranged within the upholstering of the vehicle body at one side of said body and immediately above the seat, said bracket including an offset terminal portion spaced from the side of the body, a horizontally disposed locking lever pivoted on said offset portion, a curved bar having its major portion arranged within the upholstery of said back, and having one extremity projecting from the side thereof and adapted to be received by the space between the side of the body and the offset portion of said bracket when the said back is swung to a vertical position, said extremity being designed to be engaged by the adjacent end of said lever, whereby the latter holds the back in a vertical position, resilient means for holding the lever in its active position, and said bracket being capable of longitudinal adjustment along said side upon which it is mounted, whereby said lever can be adjusted to compensate for lost motion or play of said back.

1,540,658. ADVERTISING DEVICE. IRA HUGH SMITH, Greeneville, Tenn. Filed Aug. 9, 1923. Serial No. 656,623. 3 Claims. (Cl. 40—28.)



1. The combination with the dial, the pointer and pointer shaft of a weighing scale, of a sign carrier mounted concentrically with the dial and displaying announcements about the periphery of the dial, a bracket secured to the pointer shaft in rear of the carrier and having an arm extending forwardly toward the carrier, a circular series of ratchet teeth on the back of the sign carrier concentric with the pointer shaft, and a pawl mounted on the side of the forwardly projecting arm of said bracket and adapted to engage the ratchet teeth upon movement of the shaft in one direction and to ride over the ratchet teeth upon movement of the shaft in the opposite direction.

1,540,659. CARBOY BOX. JOHN THOMAS SMITH, Woburn, Mass., assignor to Merrimac Chemical Company, Woburn, Mass., a Corporation of Massachusetts. Filed Feb. 14, 1924. Serial No. 692,910. 9 Claims. (Cl. 217—52.)



1. In a carboy box, the combination of a vertical strip carrying cushioning means in one face thereof to bear upon a carboy and means for moving the strip into the narrowing space between a side of the box and a carboy therein.

1,540,660. ANIMAL EXTERMINATOR. THEODORE T. SNOW, Sioux Falls, S. Dak. Filed Oct. 6, 1923. Serial No. 667,001. Renewed Nov. 13, 1924. 3 Claims. (Cl. 43—124.)



2. A device of the class described comprising a tubular member adapted for communication with a source of liquid poison, a container carried by one end portion of said member and in communication therewith, a cartridge of absorbent material to be engaged within the container, and means insertible through the member for ejecting the cartridge.

1,540,661. ADVERTISING APPARATUS. ROBERT WALTER ST. CLAIR and JOSEPH R. IRVIN, Clymer, Pa., assignors to National and Local Advertising Company, Incorporated, Indiana, Pa., a Corporation of Pennsylvania. Filed Apr. 16, 1924. Serial No. 706,959. 11 Claims. (Cl. 40—36.)

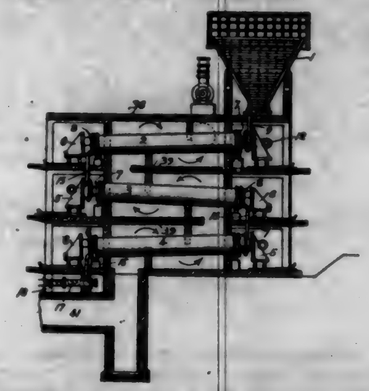
1. Apparatus of the character described comprising a plurality of display frames, means providing compartments which are occupied by said frames when divided into packs, continuously moving means periodically engaging a frame in each pack to push the frames from

one compartment to another thereby causing a circulation of the frames on a step by step order, means to illuminate the outermost frame, and means to extinguish



the illuminating means on a particular side as soon as the frame starts to move and continuing during the transit of the frame.

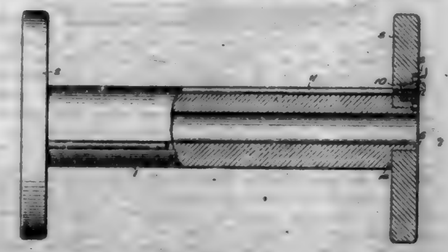
1,540,662. RETORT. EDWARD GILES STONE, Devonport, Tasmania, Australia. Filed Sept. 22, 1924. Serial No. 739,167. 6 Claims. (Cl. 202—15.)



1. Retorting apparatus comprising a rotatable element adapted to have heat communicated thereto and inclined in such manner that material fed thereto at one end will pass by gravity to an exit opening at the other end thereof, means within such element for stirring the contents thereof, means whereby volatile constituents derived from the material heated in said element may be discharged from the latter, a truck arranged at the higher end of the element, a vapor take-off for said element carried by said truck, said off-take being movable toward and away from the truck, and resilient means carried by the truck for forcing the off-take away from the truck and against the higher end of the rotatable element to seal said higher end.

1,540,663. SPOOL. HERBERT OTHRO TAFT, Burlington, Vt., assignor to Vermont Spool & Bobbin Co., a Copartnership composed of Charles D. Ordway, Carrie D. Ordway, Arthur A. Tiffany, Herbert O. Taft, William H. Wilson, George A. Ordway, and Harry L. Winter, Burlington, Vt. Filed Oct. 26, 1923. Serial No. 671,014. 1 Claim. (Cl. 242—124.)

A spool, comprising a body having a longitudinally arranged central bore and a tubular projection at one end whereby a shoulder is provided, an end disk having a bore fitting said tubular projection and also fitting flatwise against said shoulder, said tubular projection having an arc-shaped notch, said end disk having a countersunk portion registering with said notch, a nut fitted in said



countersunk portion and projecting into said notch, and a rod screwed into said nut for locking said end disk in place whereby the end disk is locked against independent longitudinal movement and independent rotary movement.

1,540,664. MONOAZO DYESTUFF. KARL THIESS, Lindlingen, near Hoechst-on-Main, Germany, assignor to Farbwerke vorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany, a Corporation of Germany. Filed Oct. 8, 1923. Serial No. 667,409. 1 Claim. (Cl. 260—87.)

As new products the dyestuffs which dye wool greenish-yellow to reddish-yellow fast tints and correspond to the formula:

$$CHO-R-N=N-R^1$$

wherein R means a benzene residue, which may be substituted in any way, containing the aldehyde group in m-position, and R^1 means arylpyrazolones their derivatives and substitution products forming greenish-yellow to reddish-yellow powders readily dissolving in hot water, dissolving in concentrated sulfuric acid with a yellowish-green to orange yellow colour and containing the free aldehyde group, consequently showing the reactions characteristic for the said group, such for instance as the formation of bisulfite compounds which are very readily soluble in cold water, and condensation with o-hydroxycarboxylic acids of the benzine and naphthalene series to leucotriarylmethane-dyestuffs.

1,540,665. MONOAZO DYESTUFF. KARL THIESS, Lindlingen, near Hoechst-on-Main, Germany, assignor to Farbwerke vorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany, a Corporation of Germany. Filed Oct. 8, 1923. Serial No. 667,410. 1 Claim. (Cl. 260—94.)

As new articles of manufacture, monoazo dyestuffs obtainable by coupling the diazo compounds of m-aminobenzaldehyde and its substitution products and compounds capable of splitting off m-aminobenzaldehyde with the amino-naphthol-mono- and poly-sulfonic acids in which one hydrogen of the amino group may be replaced by one of the residues, alkyl, aryl and acidyl, said dyestuffs having the general formula

$$CHO-R-N=N-R'-N\begin{matrix}H\\X\end{matrix}$$

in which R stands for a benzene residue which may be substituted, R' stands for a residue of one of the naphtholmono- and poly-sulfonic acids and X may be one of the residues acidyl, aryl and alkyl, said dyestuffs dyeing wool yellowish-red, bluish red, and violet red to brown fast tints and forming differently colored powders soluble in hot water and in concentrated sulfuric acid with a characteristic coloration and exhibiting the reaction characteristics of the aldehyde group.

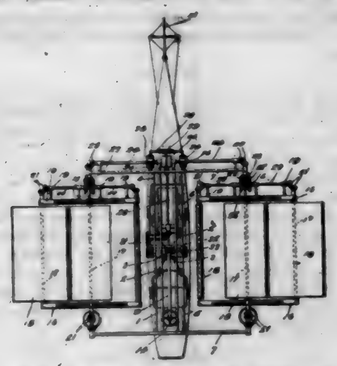
1,540,666. MONOAZO DYESTUFF. KARL THIESS, Lindlingen, near Hoechst-on-Main, Germany, assignor to Farbwerke yorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany, a Corporation of Germany. Filed Oct. 8, 1923. Serial No. 667,411. 1 Claim. (Cl. 260—94.)

As new articles of manufacture the monoazo dyestuffs obtainable by coupling the diazo compounds of m-aminobenzaldehyde and its substitution products and also compounds splitting off in being diazotized m-aminobenzaldehyde with naphthol-2.6-8- and 1.4.7-disulfonic acids and naphthol-trisulfonic acids possessing the general formula:

$$CHO-R-N=N-R^1$$

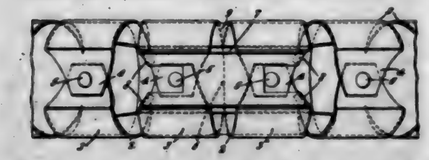
wherein R is a benzene residue substituted in any way and R^1 stands for one of the naphthol-2.6.8 and 1.4.7 disulfonic acid and naphthol trisulfonic acid residues; the said new dyestuffs dyeing wool orange yellow to red fast tints, forming deeply colored powders which are readily soluble in hot water, dissolving in concentrated sulfuric acid with a characteristic coloration and containing the free aldehyde group and showing therefore the reactions characteristic for the said group, for instance the formation of bisulfite compounds readily soluble in cold water and condensation with o-hydroxycarboxylic acids of the benzene and naphthalene series to leuco triarylmethane dyestuffs.

1,540,667. AEROPLANE. JAMES M. THOMPSON and OSCAR J. NEIGENFIND, St. Louis, Mo. Filed July 16, 1924. Serial No. 726,367. 1 Claim. (Cl. 244—25.)



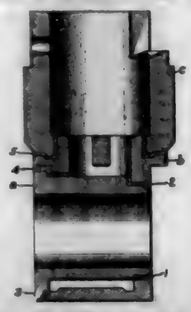
An aircraft of the class described comprising a body, a frame tiltably mounted thereon, a reel device at each side of the device, differential means, a power plant connected with the same, a pair of shafts connecting the differential means with the reel devices, brake means on the shaft, a weight operated member for applying the brakes when the ship tilts, blades carried by the reel devices, means for rotating the blades about their longitudinal centers as the reels rotate and means for tilting the frame.

1,540,668. SPRING CORE FOR TIRES. GEORGE HENRY TRUMAN, Valley City, N. Dak. Filed May 16, 1924. Serial No. 713,759. 4 Claims. (Cl. 152—8.)



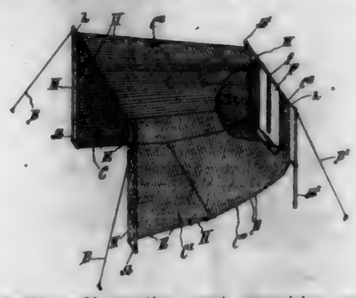
1. A tire core including an elongated strip of resilient metal having transverse side incisions forming tongues therebetween, said tongues being curved toward each other and having inwardly offset, lapping connected ends constituting seats, and a tread portion mounted on the seats.

1,540,669. FURNACE REFRACTORY. MAGNUS UNGER, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 16, 1923. Serial No. 639,397. 5 Claims. (Cl. 204—64.)



1. The method of joining together preformed parts of refractory material which consists in introducing a refractory cement between the parts to be joined and incorporating substantially dry particles of refractory material therein.

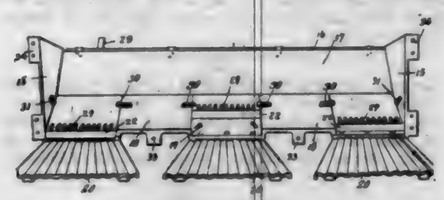
1,540,670. GOLF PRACTICE COURT. GEORGE VIDMER, Washington, D. C. Filed Sept. 12, 1923. Serial No. 662,336. 1 Claim. (Cl. 273—85.)



A flexible golf practice court comprising supports having pins thereon, a netting enclosure composed of side and rear walls and a top, heavy binding strands extending along the edges of the top, said rear wall being secured to the rear ends of the side walls and the side walls adapted to be secured to the ground at their forward edges but sloping upwardly away from the ground at their rear edges, a run-way at the rear portion of the enclosure extending down from said rear wall and being secured to the sloping edges of the side walls, a flexible objective strip supported within the enclosure in forwardly spaced relation to the rear wall, loops extending from the corners of the enclosure for removably engaging said pins whereby to hold the enclosure in a distended position, and further loops at the lower portion of the rear wall for engaging certain of the supports to hold the rear wall at its lower portion away from said objective strip.

1,540,671. COMBINATION HOPPER AND FUEL-FEEDING AND DISTRIBUTING CONSTRUCTION FOR FURNACES. CLARENCE W. VOGT, Louisville, Ky., assignor to Vogt Brothers Mfg. Co., Louisville, Ky., a Corporation. Filed Jan. 26, 1923. Serial No. 615,112. 2 Claims. (Cl. 110—32.)

1. In a furnace having an opening, the combination of a hopper extending upwardly and outwardly therefrom, a plurality of rams arranged in spaced and parallel relation and slidably supported therein for discharging fuel into said opening, and a plurality of divergingly



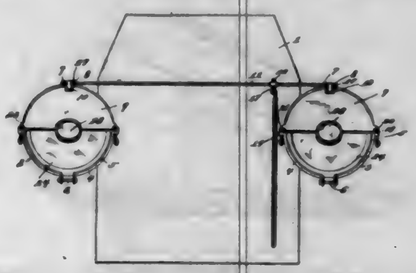
corrugated spreading plates each in line with a ram for receiving fuel therefrom and distributing the same in a body substantially the full width of the opening in width.

1,540,672. OIL BURNER. HERMAN J. ALLEN, Wichita, Kans. Filed Aug. 19, 1924. Serial No. 732,985. 4 Claims. (Cl. 158—28.)



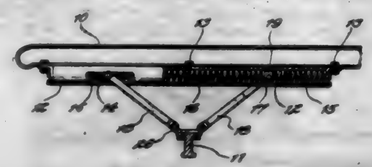
1. In an oil burner a firepot, a blower having an air pipe communicating with said firepot, an inclined oil feed tube in said air pipe having both ends open and provided with a drain opening near its lower end, an oil reservoir having a pipe communicating with said oil feed tube and adapted to establish a gravity feed of the oil, part of the air feed from said blower passing through said oil feed tube and carrying the oil therewith, a drip cup beneath said drain opening and a cut-off safety valve in the oil pipe line operating in connection therewith.

1,540,673. HEADLIGHT DEFLECTOR. RUFUS L. ANDERSON, Orlando, Fla. Filed Mar. 14, 1924. Serial No. 699,275. 6 Claims. (Cl. 240—45.6.)



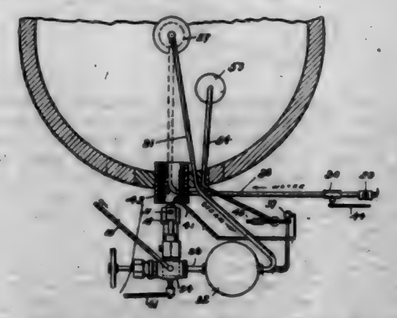
1. A deflector for headlights of the type which include a reflector and a centrally located source of light, comprising a movable curtain normally positioned out of the path of the reflected beam of light emanating from the headlight, and means for tilting said deflector downwardly to a position obstructing the upper part of said reflected light beam, said curtain being constructed to terminate, when in operative position, substantially in a plane embracing the horizontal diameter of said lens, and a light transmitting inset carried by said curtain, said inset being substantially concentric with said lens when the curtain is in operative position, and extending above and below the terminal edge of said curtain.

1,540,674. SHOCK ABSORBER. WILLIAM T. ASHTON, New Castle, Pa. Filed May 10, 1924. Serial No. 713,824. 1 Claim. (Cl. 267—20.)



A vehicle shock absorber comprising a casing arranged beneath the frame of the vehicle and having spaced longitudinally disposed slots, spaced end springs arranged in said casing, an intermediate spring arranged therein, sliding plungers positioned between the adjacent ends of the respective springs, a plate mounted upon the adjacent axle of the vehicle, a pair of oscillating arms pivoted on said plate for each of said plungers, a transverse pin passing through each plunger and the adjacent slots of said casing, and with which the adjacent ends of said arms are pivotally connected, whereby said plungers are simultaneously moved toward and away from each other for the purpose specified, and rollers loosely mounted on said pins and operating within said slots of the casing.

1,540,675. OIL-BURNING APPARATUS. FRANK B. AUSTIN, Attleboro, Mass. Filed May 6, 1924. Serial No. 711,498. 9 Claims. (Cl. 158—28.)

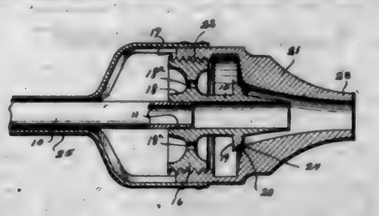


1. In an oil burning apparatus, an oil supply nozzle, a steam generator in the furnace positioned to be heatd by the combustion of the oil, an auxiliary steam generator, an auxiliary heating member therefor, a steam jet nozzle communicating with both of said generators and arranged to direct the steam generated in either of said generators to lift and spray the oil from said oil nozzle into the furnace, means for supplying water initially to both of said generators, and thermally controlled means for initially starting the auxiliary heating member and the supply of water to said generators upon a predetermined low temperature.

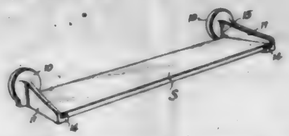
1,540,676. COMBUSTION HEAD OR BURNER FOR BLOWTORCHES. HENRY J. BAGLEY, Sr., Brooklyn, N. Y. Filed June 24, 1924. Serial No. 722,097. 2 Claims. (Cl. 158—27.4.)

1. A blow torch of the character described including a pipe adapted to convey an atomized fuel, a nozzle into which the pipe opens, the nozzle having an outwardly projecting portion which is exteriorly screw-threaded and formed to provide a plurality of air openings, an exterior shell open at its forward end and having interior screw-threads engaged with the screw-threads on said projecting portion whereby the shell may be longitudinally adjusted; the nozzle having a

flange, and the shell being contracted, the adjustment of the shell controlling the space between said flange and the constriction in said shell thereby controlling the amount of air passing from the interior of the shell to the nozzle, and means for shifting the shell relative to the nozzle comprising a member surrounding the fuel pipe and extending longitudinally therealong, and arms extending radially from said member and engaging the rear end of the shell, said member carrying means whereby it may be held to adjusted positions.

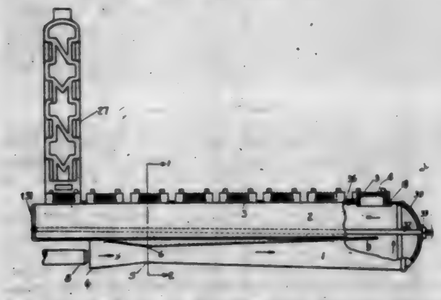


1,540,677. SHELF-SUPPORTING BRACKET. JOHN HENRY BALMER, Maplewood, N. J., assignor to J. H. Balmer Co., Newark, N. J., a Corporation of New Jersey. Filed Nov. 11, 1924. Serial No. 749,258. 1 Claim. (Cl. 248—18.)



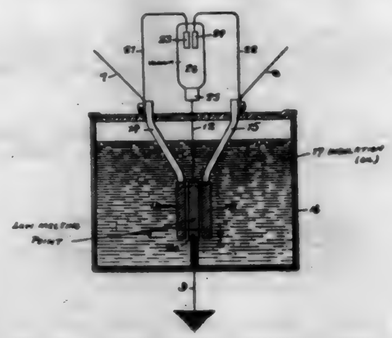
A shelf supporting bracket comprising a base, an arm projecting outwardly from said base, the base gradually merging into the arm where connected to said arm, a flange projecting inwardly from the lower marginal edge of the arm and integrally joined to the base member at the inner end of said arm, the base member being cut away where the inner end of the flange joins the base member to provide a pocket to receive an end of a shelf and a shoulder to prevent accidental upward displacement of the rear corner of said shelf from the bracket, bearing seats raised above the flange at the opposite end of the flange to provide spaced points upon which the end of the shelf is seated, and a stop lug at the outer end of the arm and disposed above the flange.

1,540,678. GAS BURNER. BERRY A. BAXTER, Mansfield, Ohio. Filed July 24, 1924. Serial No. 727,879. 2 Claims. (Cl. 158—104.)



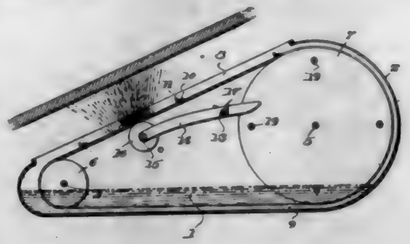
1. A gas burner of the radiant type, comprising a body formed with an elongated opening in the upper portion with transverse spaced portions, burner tips arranged in alinement longitudinally of such opening, each adjacent pair of burner tips having projections on their remote ends to engage beneath certain spaced portions, and flanges on their adjacent ends to bear upon one such spaced portion, and a single means engaging both such flanges to confine the pair of burner tips to the body.

1,540,679. PROTECTIVE INSTALLATION FOR ELECTRIC CIRCUITS. CHARLES E. BENNETT, Decatur, Ga., assignor to Balt Manufacturing Company, Atlanta, Ga., a Corporation of Georgia. Filed May 9, 1922. Serial No. 559,672. 8 Claims. (Cl. 175—30.)



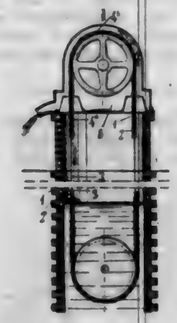
1. In a protective ground connection for an electric circuit, a gap sensitively responsive only to low frequency over-potentials and comprising readily fusible electrode means serving by fusion on discharge across the gap to form a continuous metallic path to ground, a shunt across the gap, and in said shunt a gap sensitively responsive only to high frequency potentials.

1,540,680. FINGERPRINT DETECTOR AND DEVELOPER. ARTHUR E. BERGQUIST, Lindstrom, Minn. Filed Dec. 26, 1923. Serial No. 682,817. 2 Claims. (Cl. 91—44.)



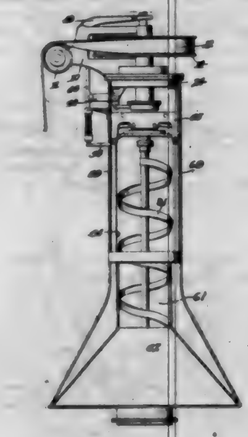
1. A device for developing or making more prominent finger prints, comprising a casing adapted to contain a substance calculated to adhere to the lines of a finger print and render the same more readable, said casing having an opening for the passage therefrom of the said substance, and movable, manually-operable means in the casing for bringing about the movement of said substance from the interior of the casing to the print to be developed or made more prominent, the said casing being tapered toward one end and being provided with shafts and pulleys thereon, one of the pulleys being comparatively large, and the said pulleys being associated with a belt, and means on the belt at intervals in the length thereof to take up chemicals and means for cooperating with the belt to discharge chemicals through the opening in the casing.

1,540,681. APPARATUS FOR RAISING LIQUIDS. EDMOND DETAINT, Paris, France. Filed Aug. 14, 1923. Serial No. 657,406. 5 Claims. (Cl. 103—72.)



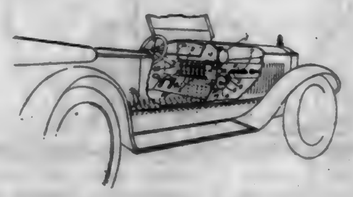
4. An apparatus for raising liquids, comprising an endless cable, liquid retaining discs arranged thereon, said discs being of similar diameter but different thickness, and interposed disc members between said discs, said interposed members being of greater thickness and of less diameter than the first mentioned discs.

1,540,682. POSTHOLE AUGER. JOHN R. DREHER, CHRIS S. DREHER, and GUS T. DREHER, Ross, Iowa. Filed July 15, 1921. Serial No. 484,970. 4 Claims. (Cl. 255—22.)



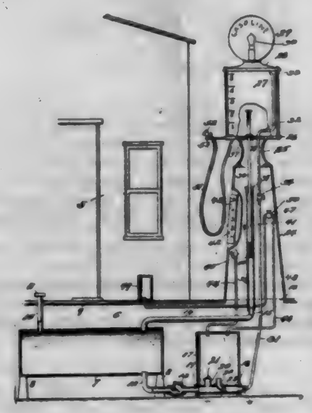
1. In a device of the class described, a threaded shaft for mounting an auger, means for rotating the shaft, a threaded sleeve surrounding the shaft, means for holding said sleeve stationary while the shaft is being rotated, and devices for rotating the sleeve upon the shaft and elevating the shaft when the sleeve holding means are released said devices for rotating the sleeve including a toothed ring and a brake therefor, a second brake for holding the sleeve stationary, a vertically movable spring-controlled rod through which the brakes are actuated, and devices controlling the movement of the rod by vertical movement of the threaded shaft.

1,540,683. AUTOMOBILE LUBRICATING MECHANISM. LEWIS E. DURRIN, San Juan Bautista, Calif. Filed Jan. 17, 1924. Serial No. 686,874. 6 Claims. (Cl. 184—7.)



1. In an apparatus for lubricating an automobile, an oil reservoir, a plurality of oil feeds therefrom to various parts of the automobile for lubricating same, a gas pressure tank, a communicating pipe between the tank and reservoir, and means for supplying compressed gas from the engine of the automobile to the tank.

1,540,684. LIQUID-DISPENSING APPARATUS. RODGER EADES, Winchester, Ky. Filed Oct. 23, 1923. Serial No. 670,365. 3 Claims. (Cl. 221—100.)

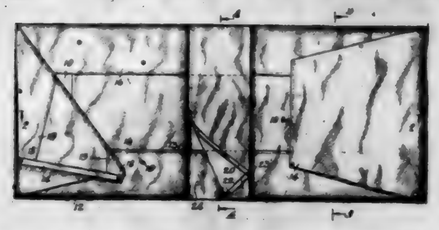


1. In a liquid dispensing apparatus, a storage tank, an auxiliary tank, a discharge pipe leading from the lower portion of said storage tank, a connection between said discharge pipe and the lower portion of said auxiliary tank to permit the flow of liquid from said storage tank to said auxiliary tank, means for preventing backflow of liquid from said auxiliary tank to said storage tank, a conduit extending from the lower portion of said auxiliary tank into said discharge pipe and having its outlet end of reduced area and directed toward the discharge end of the latter, and means for supplying fluid under pressure to the upper portion of said auxiliary tank.

1,540,685. COMBINATION AUTOMOBILE CUSHION AND PILLOW. ERNEST A. EIBAND, New Braunfels, Tex. Filed Mar. 13, 1923. Serial No. 624,863. 7 Claims. (Cl. 5—337.)

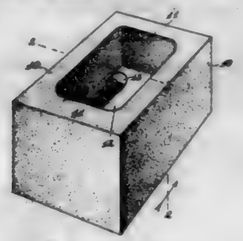
1. A combined cushion and pillow comprising a pair of separate cushions, and covering material over said

cushions and forming a web connecting the same; together with side flaps turned inward and stitched



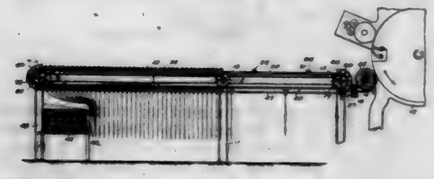
over the cushions, and end flaps folded inward and detachably fastened over the cushions.

1,540,686. **BUILDING TILE.** GUSTAV EY, New York, N. Y. Filed Feb. 14, 1925. Serial No. 9,245. 3 Claims. (Cl. 72—41.)



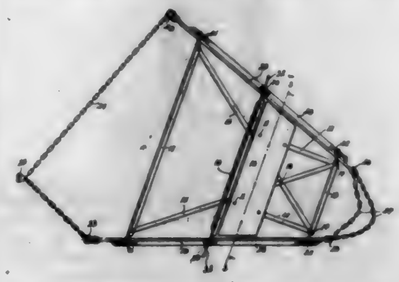
1. As a new article of manufacture a hollow building tile comprising a rectangular body having an opening therethrough and means for facilitating the handling of the same in which said means comprises a web centrally intersecting the opening through the tile body, said web having a hand receiving opening therethrough at one side of its longitudinal center and intermediate its length.

1,540,687. **DRYING MECHANISM FOR PRINTED SHEETS.** ALBERT V. FRISTEL and JAMES W. ROCKS, Brooklyn, N. Y. Filed Aug. 18, 1923. Serial No. 658,102. 3 Claims. (Cl. 34—12.)



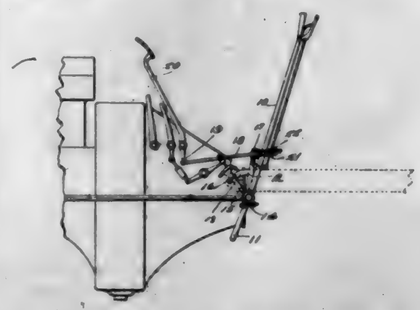
2. The combination with a printing machine, of a drying mechanism for receiving sheets directly from the printing mechanism and moving the same over a given path for permitting a drying action, said drying mechanism including a conveyor, a plurality of gripper bars carried by the conveyor, gripping members arranged on each bar, wheels for supporting the conveyor and for causing the conveyor to move the gripper bars to a point near the discharge of sheets of printed paper from the printing machine, a wheel formed with a plurality of spaced pins arranged adjacent the first mentioned wheels and positioned so that two of the pins will straddle each gripper bar as they move around the first mentioned wheels, said pin-wheels moving at the same peripheral speed as the first mentioned wheels whereby the gripper bars are not permitted to drop under the action of gravity, a cam arranged below the first mentioned wheels, said cam acting to turn the gripper bars to a horizontal position, an actuating arm connected with the gripping members on each gripper bar, and an inclined track engaging said actuating arm for opening the gripping members as the arm passes over the track, said track being so positioned as to cause the opening of the gripping members simultaneously with the insertion of a sheet of paper into the gripping members.

1,540,688. **ROAD DRAG OR SCRAPER.** DAVID FICKES and MERL FICKES, Jeromesville, Ohio. Filed Nov. 17, 1924. Serial No. 750,389. 1 Claim. (Cl. 37—170.)



In a road scraper, a stationary frame including a platform, forwardly extending bars connected therewith, a forward cross bar connected with said forwardly extending bars, diagonally extending cross bars secured in crossed relation and secured to said forward cross bar, a rear cross bar connected with the rear ends of said diagonal bars, scraper blades pivotally mounted on the ends of said forward and rear cross bars, the elongated upstanding members carried by said scraper blades and levers pivotally mounted upon said platform, slidable through said elongated members and pivotally adjustably connected with the latter.

1,540,689. **AUTOMOBILE BRAKE.** JOHN F. FRADET and JULIUS C. ALEXANDERSON, Monango, N. Dak.; said Fradet assignor to said Alexanderson. Filed Aug. 30, 1924. Serial No. 735,176. 2 Claims. (Cl. 74—39.)



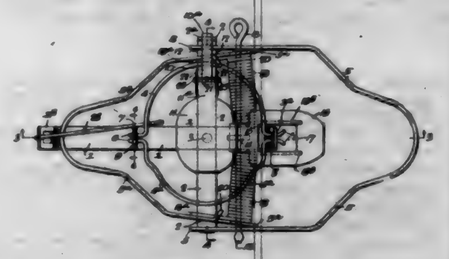
1. In a device of the class described, a lever for releasing a main clutch, a control shaft on which the lever is mounted, an arm rigid with the shaft, a speed lever connected with the arm, a service brake pedal and stem therefor, a rod pivoted to the stem, said rod passing loosely through one end of the arm mounted on said shaft, and means causing the operation of the rod and pedal by the lever upon throwing the latter to clutch releasing position.

1,540,690. **DIE FOR GARMENT CLASPS.** MEYER L. FRIEDMAN and PHILIP L. FRIEDMAN, New York, N. Y. Filed July 19, 1924. Serial No. 721,073. 3 Claims. (Cl. 1—4.)



1. A stapling device comprising a staple support, a guide for receiving a staple, a head, and means associated with the head for first spreading the prongs of the staple to a position where they may be flattened by the head, said means comprising a spring-pressed plunger carried by the head having a rounded end of a greater diameter than the space between the prongs of the staple whereby the prongs will be spread upon passing the auxiliary plunger therebetween.

1,540,691. **ANIMAL TRAP.** WALTER A. GIBBS, Wilmington, Del. Filed Nov. 12, 1920. Serial No. 423,663. 16 Claims. (Cl. 43—88.)



2. In an animal trap, the combination of a pair of cooperating jaws having parallel axes, the animal-gripping portion of one jaw standing above the corresponding portion of the other jaw when in closed position, with automatic means for bringing said jaws together, and normally releasable means for retaining the jaws in open position, together with means for preventing passage of one jaw by the other when brought together by said actuating means.

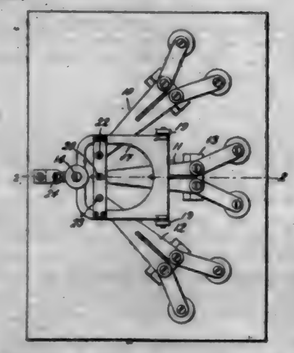
1,540,692. **THERMAL RESPONSIVE MANUALLY-OPERABLE SWITCH.** CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed July 11, 1921. Serial No. 488,729. 4 Claims. (Cl. 200—122.)

1. A thermal responsive manually operable switch comprising a pivotally mounted circuit controlling switch element, means for biasing the same to the open position, an electrically heated thermostatic latch for holding the said switch element in circuit closed position against its bias to the open position, the said latch mounted with one end thereof in position to make abutting and sliding engagement with the said switch element and the said end of the latch freely movable to slide out of engagement with the said switch element to release the same in accordance with the flexing of the latch due to the heating thereof, and manually operable means for mechanically moving the switch element to



the closed circuit position and for flexing the said latch to release the switch element to return to the open circuit position independently of the heating of said thermostatic latch.

1,540,693. **THERMAL RESPONSIVE DEVICE.** CHESTER I. HALL, Fort Wayne, Ind., assignor to General Electric Company, a Corporation of New York. Filed Mar. 22, 1923. Serial No. 626,006. 16 Claims. (Cl. 200—118.)



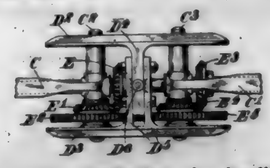
1. A protective device for electric circuits comprising circuit controlling switch mechanism, a plurality of thermal responsive movable elements for controlling the said switch mechanism, each of said elements adapted to be heated in accordance with the current in a separate conductor of the protected circuit and the said elements arranged to operate the said switch mechanism in response to the relative movement of said elements.

1,540,694. **TONGS.** JOSEPHINE POMEROY HERRICK, Cleveland, Ohio. Filed Jan. 7, 1925. Serial No. 1,069. 1 Claim. (Cl. 294—99.)



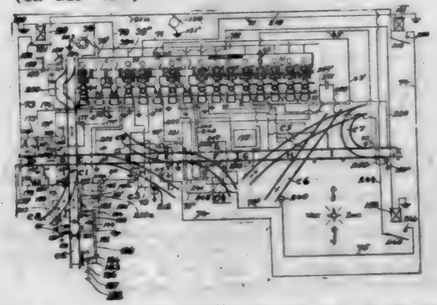
A device of the character described, comprising a pair of connected spring arms, jaws at the ends of the arms, said jaws at their ends having inwardly projecting teeth, each jaw having alternate sharp and dull teeth, some of the sharp teeth projecting slightly beyond the dull teeth, and the dull teeth functioning to limit the projection of the sharp teeth into the article with which the jaws are in engagement.

1,540,695. OAR. JOHN GEORGE HOWARD, London, England. Filed May 5, 1924. Serial No. 711,248. 6 Claims. (Cl. 9—25.)



6. In an oar the combination of a handle-portion, a blade-portion, a carrier, cradles in the form of cross-members pivoted upon the carrier with stays extending from the ends thereof to outer bearings, the handle and blade portions being rotatably supported in the cradles so as to turn about their own axes in the cross-members and the outer bearings, arc-shaped gear-segments supported by the cross-members of the cradles and in mesh with one another so that when the handle is swung forward the blade is swung forwardly also, a toothed gear mounted coaxially with the pivot of each cradle to rotate relatively thereto, said gears being operatively connected together, toothed bevel wheels upon each said gear and toothed wheels which mesh with the first said bevel wheels upon the handle and blade, substantially as and for the purpose set forth.

1,540,696. AUTOMATIC REGISTER AND CONTROLLER FOR TRAINS. HEINRICH KARL, Jersey City, N. J. Filed May 15, 1917. Serial No. 168,904. 5 Claims. (Cl. 246—122.)



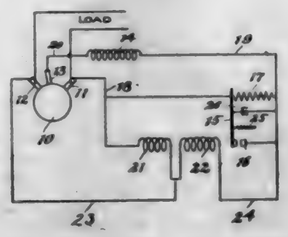
1. In a register controller for railroads, a plurality of controlling units arranged thereon, electrical means for operating said controlling units, operatively connected to different parts of the railroad, a remotely located device and a circuit therefor, adjacent controlling units being located in said circuit and independently normally rendering the circuit inoperative to actuate said device.

1,540,697. PIPE REAMER. HENRY KRUESHELD, Newark, N. J. Filed Sept. 28, 1924. Serial No. 739,377. 5 Claims. (Cl. 131—18.)



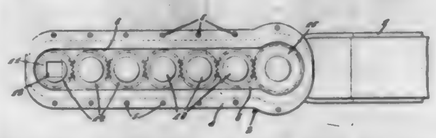
5. A pipe reamer which comprises a plate having slots therein, shoulders at the upper end of this plate on opposite sides thereof adjacent the upper end of one of said slots, a second plate having a slot embracing the unslotted portion of the first-mentioned plate, said plates having offset portions in line with the slots to permit them to be swung flat against each other, said second plate adapted to be swung at an angle to the first plate and moved into engagement with the shoulders whereby it can be maintained substantially in this angular position during use, said second plate adapted to be dropped down into the slots of the other plate prior to being swung flat thereagainst.

1,540,698. VOLTAGE REGULATION FOR GENERATORS. BENNETT M. LEECE, Cleveland, Ohio, assignor to The Leece-Neville Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 10, 1923. Serial No. 679,575. 10 Claims. (Cl. 171—229.)



1. In combination with a variable speed, variable load generator having a field circuit, a regulator for varying the field excitation comprising two relatively movable contacts and two coils, one of the latter being connected to the generator independently of the contacts, and the other being connected to the generator through the contacts when the latter are closed, and said second mentioned coil having another connection with the generator independently of the contacts.

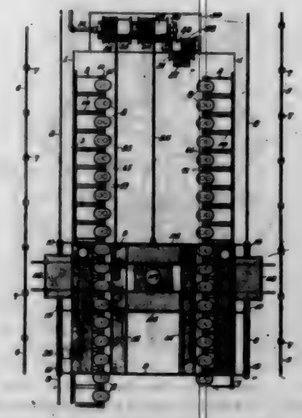
1,540,699. REAMING MACHINE. LEO G. MCMULLEN, Baltimore, Md. Filed July 26, 1922. Serial No. 577,656. 2 Claims. (Cl. 77—55.)



1. In a device of the class described, a frame having a reduced projecting arm embodying a lower member, an upper member and securing elements connecting said members, the members of the arm being supplied with cooperating recesses defining a chamber, said members of the arm being equipped with reduced openings communicating with the chamber, bearings located in the openings and engaging said members of the arm within the chamber, shafts journaled in the bearings, the outermost shaft being provided with tool-holding means, and intermeshing pinions located in the chamber and carried by the shafts.

1,540,700. METHOD OF MAKING CAST-IRON PIPES. CHARLES WILLIAM MCWANE, Lynchburg, Va. Filed Mar. 27, 1923. Serial No. 628,026. 114 Claims. (Cl. 22—16.)

1. In the manufacture of cast iron pipe or the like, that method of making simultaneously a mold and a core which consists in supporting a flask in substantially vertical position, placing a core bar within the flask and securing the same to maintain longitudinal alinement of the core bar, placing and securing a tubular pattern within the flask and around the core bar, and simultaneously filling with green sand the space between the core bar and the tubular pattern and also the space between the tubular pattern and the flask to simultaneously make a core and a mold.



1,540,701. HEEL-TREAD PAD FOR HORSESHOES. JESSE WILLIAM MILLER, Red Wing, Minn. Filed June 11, 1924. Serial No. 719,412. 5 Claims. (Cl. 168—14.)



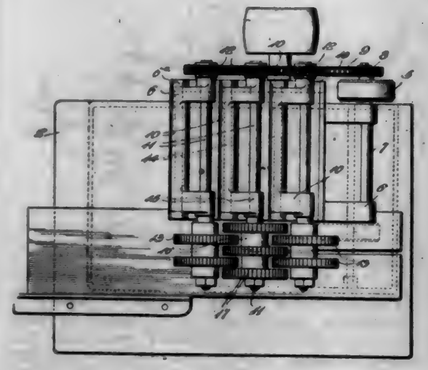
1. The combination with a horseshoe provided with drive calk receiving openings in the rear end thereof, of a heel tread pad therefor comprising a pair of transversely arranged pad body sections, each section having an upstanding element for frictional driving engagement in the calk receiving openings, and an elastic connection between said sections of permitting relative lateral movement therebetween to vary the spacing between said elements.

1,540,702. ARTIFICIAL BAIT. GROVER CLEVELAND MORRISS, Austin, Tex. Filed Dec. 1, 1924. Serial No. 753,346. 1 Claim. (Cl. 43—46.)



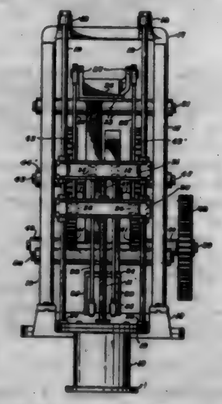
In a device of the character described, an elongated body formed to resemble a fish, a tail portion pivotally mounted at the rear end of said body and capable of movement sideways, fins on the top and bottom of the body for maintaining the same normally in upright position, and securing members passing through the forward and intermediate portions of the body and carrying swivels for connection with a line, a snap hook secured on the under side of the body near the rear portion thereof and a hook detachably engaged with said snap hook.

1,540,703. FEEDING DEVICE. ARTHUR WILSON NELSON, Williamsport, Pa. Filed Mar. 27, 1924. Serial No. 702,420. 2 Claims. (Cl. 143—55.)



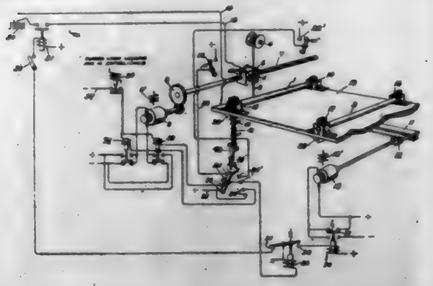
1. In a feeding device for a wood-working machine, a plurality of rotary shafts each mounted for vertical movement independently of the others, a plurality of feed rolls having their peripheries interlapped with relation to one another and provided with wood-engaging peripheral surfaces to effect the feeding of a piece of wood supported by the machine, a plurality of sprocket wheels, each of said shafts carrying one of said feed-rolls and one of said sprocket wheels, and a sprocket chain in mesh with each of said sprocket wheels and being operatable to rotate said sprocket wheels in the same direction.

1,540,704. DEEP-WELL POWER PUMP. ANDREW J. NICHOLAS, Philadelphia, Pa., assignor to A. D. Cook, Incorporated, Lawrenceburg, Ind., a Corporation of Indiana. Filed Oct. 28, 1922. Serial No. 596,407. 4 Claims. (Cl. 74—14.)



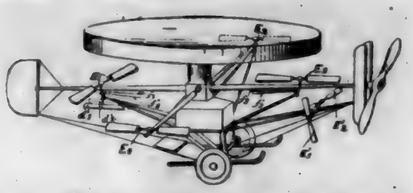
1. A pump comprising a plurality of E-shaped cross-heads, guide rods common to said cross-heads, links for operating said cross-heads, the repective link of each cross-head passing through another of said cross-heads, and means for operating said links.

1,540,705. ARC-WELDING APPARATUS. PAUL O. NOBLE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Sept. 16, 1924. Serial No. 738,093. 9 Claims. (Cl. 219—8.)



1. An automatic arc welding machine for seam welding comprising a welding head having means for maintaining an arc, means for supporting work comprising a plurality of seams to be welded, means for effecting relative movement longitudinally between said welding head and supporting means to traverse the arc along a seam to be welded, means for effecting relative movement laterally between said supporting means and said welding head to position the parts for welding successive seams, and control means for stopping said traversing motion upon the completion of a seam and causing operation of said means to position the parts for welding another of said seams.

1,540,706. CONTROLLING AND STABILIZING DEVICE FOR HELICOPTERS. ETIENNE OEHMICHEN, Valentigney, France. Filed July 26, 1923. Serial No. 653,956. 3 Claims. (Cl. 244—19.)



1. In a helicopter apparatus, the combination of a main propeller for sustaining the apparatus in the air, and whereof the axis passes through the center of gravity of the apparatus, a plurality of auxiliary propellers in constant rotation during the operation of the apparatus, and disposed symmetrically in pairs, and in different planes about the axis of the main propeller and comprising flat blades whose incidence can be varied and reversed, the propellers of each pair rotating in contrary directions, a single central lever pivoting in all directions about a center of oscillation, means for varying the incidence of the blades of the said auxiliary propellers, said means being so connected with the said central lever that the movement of the latter in a given direction will vary the incidence of the blades of a given pair of auxiliary propellers.

1,540,707. WINDMILL. GEORGE F. ORMSBEE, Smith Center, Kans., assignor of one-third to Earnest Jones and of one-third to Jess Martin, both of Smith Center, Kans. Filed Apr. 21, 1923. Serial No. 633,697. 4 Claims. (Cl. 74—14.)

1. In a windmill head, a main stem, a vertically disposed casing mounted on said main stem, a windwheel shaft extending into said casing, a pinion mounted on said shaft within said casing, a pitman extending into said casing and embodying a housing within the casing formed with an elliptical gear therein in mesh with said



pinion within the casing, the inner edge face of said casing forming a bearing and guiding surface for said pitman during reciprocation thereof by said pinion.

1,540,708. SOUNDING TOY. GEORGE H. PARSONS, New York, N. Y., assignor to Averill Manufacturing Co., New York, N. Y., a Corporation of New York. Filed May 1, 1924. Serial No. 710,466. 1 Claim. (Cl. 84—379.)

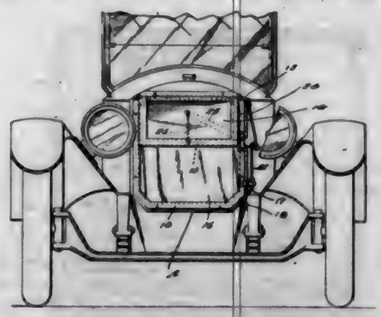


In a sounding toy, an air blast tube adapted to be inserted in the mouth of a doll, a member fixed to the end of the tube, an elongated tranversely positioned wire frame having the ends of said wire forming said frame fixed to the said member, and a harmonica appreciably shorter than the frame located within the frame and having a longitudinal groove therein receiving one longitudinal member of the frame, the opposite edge of the harmonica being guided in said member.

1,540,709. RADIATOR COVER. FRED W. PIEHL, JOHN H. PIEHL, and PAUL F. TIMMERMANN, Fairbank, Iowa. Filed July 15, 1922. Serial No. 575,427. 2 Claims. (Cl. 267—132.)

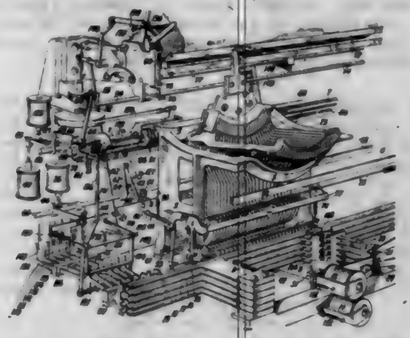
1. A radiator protector comprising a frame mounted on a radiator at the front thereof, a rod journaled transversely of the upper portion of said frame and carrying a plate adapted to cover substantially the upper half of the radiator, a crank arm on said rod, a second plate slidably mounted within the frame below said first named plate, a lever pivoted on the frame and having one end connected with said slidable plate and its other

end connected with said crank arm, a bracket on said frame, an angle lever pivoted on said bracket and connected with the second named end of said lever, and



means operable from the dash for swinging said angle lever to move said first named lever for swinging the first named plate and sliding the second named plate.

1,540,710. PRINTING TELEGRAPHY. HARRY PFANNENSTIEHL, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 29, 1918. Serial No. 579,446. 6 Claims. (Cl. 23—137.)



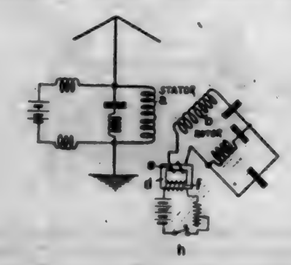
1. In a printing telegraph receiver, a type carriage comprising a plurality of type bars, an electromagnet for moving said type carriage transversely for character printing, and stationary permutation means for selectively controlling the operation of the type bars.

1,540,711. PROCESS FOR THE MANUFACTURE OF SODIUM SULPHIDE. LESTER ALBERT PRATT and JOHN H. CLARKE, Winchester, Mass., assignors to Merrimac Chemical Company, Woburn, Mass., a Corporation of Massachusetts. Filed Aug. 3, 1922. Serial No. 579,446. 6 Claims. (Cl. 23—137.)

1. Process for the manufacture of sodium sulphide which comprises flowing a mixture of molten sodium sulphate with finely divided carbonaceous material in quantity sufficient to reduce the sulphate to sulphide through a supporting and distributing body of inert material at reacting temperature.

1,540,712. SIGNAL-SENDING APPARATUS IN WAVE TELEGRAPHY. LEO PUNGS, Berlin-Charlottenburg, Germany, assignor to C. Lorenz Aktiengesellschaft, Lorenzweg, Berlin-Tempelhof, Germany. Filed Aug. 23, 1921. Serial No. 494,571. 3 Claims. (Cl. 250—17.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)

1. In a signal sending apparatus for wave telegraphy, a high frequency machine having a plurality of syntonizing circuits of different frequencies, a coil having an iron core electrically connected with said circuits and means associated with said core whereby the coil may



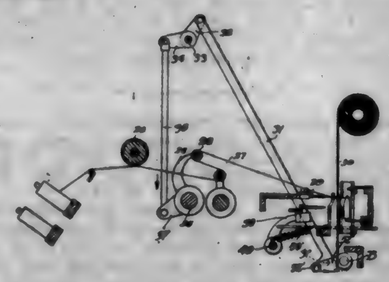
be subjected to superposed magnetic continuous current induction thereby varying the inductivity of the coil and changing the conditions of resonance of the syntonizing circuits.

1,540,713. CHAIN FASTENER. MILTON ALBERT RAMALY, Bowmanstown, Pa. Filed Jan. 24, 1925. Serial No. 4,518. 2 Claims. (Cl. 24—241.)



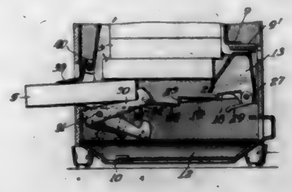
2. A device of the class described, including a body having spaced connected side walls and a pivoted tongue adapted to be closed down between the side walls, said tongue having an inclined, open ended slot in its inner edge when closed, the lower edge of the slot constituting a shoulder having an inclined lower edge, opposite arcuate seats formed in the free upper edges of the spaced side walls and terminating in opposite shoulders, a coiled spring mounted exteriorly of each of the side walls and joined by a resilient loop traversing the seats in the side walls and normally abutting the shoulders thereof, said loop being forced back away from the last-named shoulders by the inclined lower edge of the tongue and caused to engage over the shoulder of the tongue when the same is forced down.

1,540,714. ATTACHMENT FOR EMBROIDERY MACHINES. ANTONIO RAUSSE, Northvale, N. J. Filed Mar. 14, 1922. Serial No. 543,723. 8 Claims. (Cl. 112—96.)



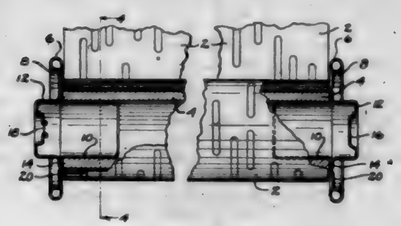
1. An embroidery machine attachment for use with embroidery machines provided with take-up means comprising means operated by the embroidery machine to release the take-up means in its thread tightening position from the embroidery machine when the fabric is being shifted.

1,540,715. VENDING MACHINE. JOHN RIIKONEN, Chicago, Ill. Filed May 8, 1922. Serial No. 559,246. 7 Claims. (Cl. 194—73.)



1. A device of the character described, comprising, in combination, a series of article receiving receptacles, each having a discharge outlet therefrom, a bottom wall disposed across said receptacles in substantial alinement with the lower edge of said outlets, said wall being provided with a plurality of openings communicating with each receptacle, individual delivery means for each of said receptacles, all of said delivery means movable simultaneously across said receptacles below said bottom wall and normally ineffective to deliver articles through said outlets, and coin-controlled means for selectively elevating said delivery means through certain of said openings to render their movement effective for discharging articles.

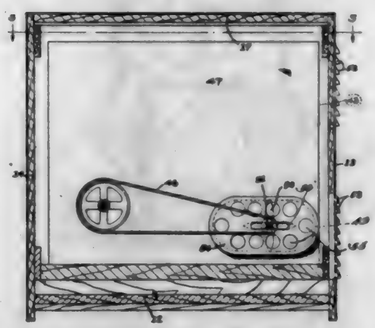
1,540,716. MUSIC-ROLL END. WILLIAM M. SAUNDERS, Waterbury, Conn., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Mar. 2, 1925. Serial No. 12,620. 3 Claims. (Cl. 242—69.)



1. In a music roll end a sheet metal flange having a hollow portion protruding therefrom and integral therewith and a cylindrical shell extending in the opposite direction from said hollow portion and constituting a second protruding portion and having a rim secured to said flange member adjacent to the wall of said hollow protruding portion, one of said oppositely extending portions having a spindle engaging portion.

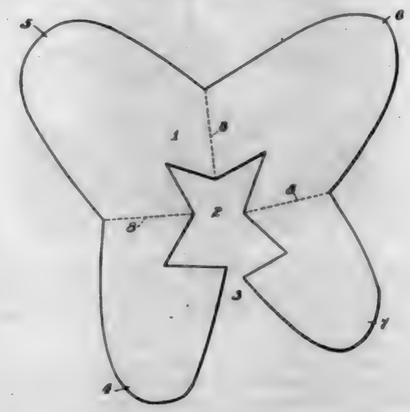
1,540,717. MECHANICAL REFRIGERATION. CHARLES C. SPREEN, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed Jan. 5, 1924. Serial No. 684,657. 10 Claims. (Cl. 62—115.)

2. In combination, a compressor unit comprising a compressor and a motor for operating said compressor mounted for movement transverse to the axis of said motor to maintain tight the belt connecting said motor and said compressor, a fan carried by said motor, an air cooled condensing coil connected to the outlet of said compressor, an enclosure surrounding said coil and provided with at least one inlet opening and at least one outlet opening and having one of said openings arranged to cooperate with said fan and elongated to register with said fan during the transverse movement of said fan, and a cabinet enclosing said compressor unit and said enclosure and said fan and provided with an inlet opening arranged to cooperate with an inlet opening of said



enclosure and an outlet opening arranged to cooperate with an outlet opening of said enclosure, one of the openings in said casing cooperating with the enclosure opening which cooperates with said fan.

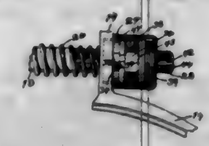
1,540,718. GLOVE. FRANK X. STURM, Alexandria, Ind., assignor to The Glove Corporation, Alexandria, Ind., a Corporation of Indiana. Filed Dec. 5, 1923. Serial No. 678,555. 5 Claims. (Cl. 2—169.)



1. A glove blank for the backs of the fingers of a glove, comprising a substantially star shaped blank, the points of the star forming the finger backs and the center of the blank being slotted at the base of each point to permit the spreading of the material when the blank is folded and secured to the front of the glove.

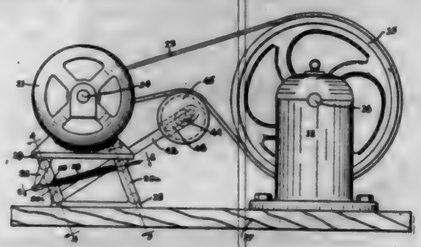
1,540,719. AUTOMATIC TAKE-UP FOR BRAKE BANDS. RAYMOND T. WHIPPLE, San Francisco, Calif., assignor, by direct and mesne assignments, to Charles H. Baer, San Francisco, Calif. Filed Oct. 21, 1922. Serial No. 596,108. 3 Claims. (Cl. 188—196.)

2. In a device of the character described, the combination with a compression brake band having upturned ends, a compression rod adapted to engage said upturned ends, means for imparting partial rotation to said rod, ratchet means secured to one end of said brake band, an intermediate ratchet threadedly engaged by said rod and adapted to have engagement with said ratchet means, a tightening ratchet slidably keyed to



said rod and adapted to contact said intermediate ratchet, and spring means for causing said ratchets to contact one with the other.

1,540,720. POWER TRANSMISSION. CHARLES E. BUCKBEE, Detroit, Mich. Filed Jan. 5, 1924. Serial No. 684,659. 3 Claims. (Cl. 308—11.)



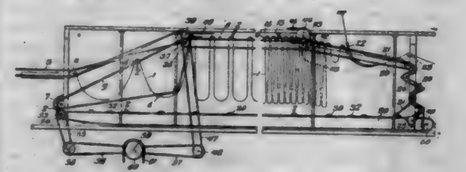
1. In combination, a driven element, a driving element, a belt operatively connecting said elements, an idler pulley engaging said belt, and means supporting one of said elements and said idler pulley in such manner that it continually tends to move, under the influence of its own weight, in a direction to directly tighten said belt and in addition to force said idler pulley against said belt to further tighten said belt, and a spring connected to maintain the tightening force substantially constant over the range of movement of said element.

1,540,721. HANG-UP APPARATUS. CHARLES C. COLBERT and GEORGE E. PRESTON, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a Corporation of Indiana. Filed Oct. 3, 1923. Serial No. 666,267. 18 Claims. (Cl. 34—20.)



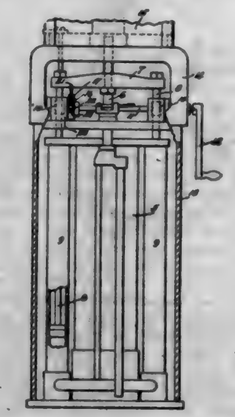
9. An apparatus of the class described comprising, in combination, a plurality of supports travelling in a circuitous course; a magazine containing a reverse supply of said supports interposed in said course; means cooperating with successively presented supports for hanging up material in festoons or folds, which are conveyed by such supports to a place where the material is withdrawn therefrom; means for delivering said supports to said magazine as the material is withdrawn from the supports; and means for said supports withdrawing in proper sequence from said magazine and returning them one after another to position for successive presentation for hanging up the material.

1,540,722. HANG-UP APPARATUS. CHARLES C. COLBERT and GEORGE E. PRESTON, Elkhart, Ind., assignors to American Coating Mills, Elkhart, Ind., a Corporation of Indiana. Filed Oct. 6, 1923. Serial No. 666,900. 8 Claims. (Cl. 34—20.)



2. An apparatus of the class described comprising, in combination, sticks traveling in a circuitous course; and means for moving said sticks through said circuitous course constructed and arranged for hanging up in-feeding material on supports provided by groups of said sticks.

1,540,723. DISPENSING PUMP. JOHN B. DAVIS, Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company, a Corporation of Massachusetts. Original application filed Nov. 7, 1921, Serial No. 513,369. Divided and this application filed June 2, 1923. Serial No. 643,084. 5 Claims. (Cl. 188—74.)

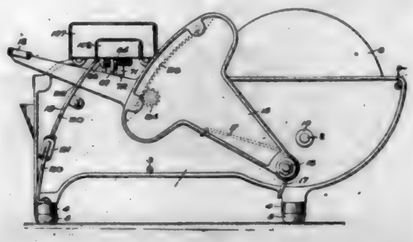


1. The combination with a brake drum having a peripheral groove therein, of a segmental brake shoe having a part normally loosely received in said groove and held from lateral displacement thereby, an actuating cam for forcing said part against the walls of the groove, a pin on which said cam is pivotally mounted, and a fork like portion on said shoe to straddle said pin.

1,540,724. STRIP-SERVING MACHINE. TREVOR RANDALL GAUTIER, Nashua, N. H., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed June 7, 1923. Serial No. 643,907. 30 Claims. (Cl. 91—14.5.)

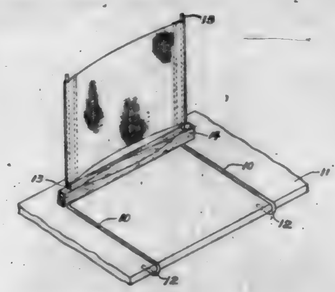
1. In a machine for serving strips of adhesive tape, a frame or housing having opposite side walls providing a space between them for supporting a package of tape in position to be drawn upon by the feeding means, one of said side walls constituting a lateral support for the tape package, a thin disk-like member constituting the opposite lateral support for the tape package, said disk-like member having a spindle extending through an opening in the adjacent side wall, said

spindle having a spring adapted to engage the wall of the opening and to sustain the disk-like member and its spindle in any position of lengthwise adjustment of said



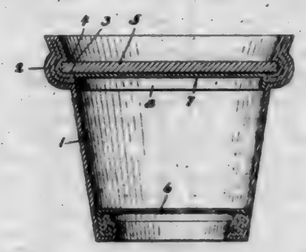
spindle, whereby any width of package or tape receivable between the said side walls may be supported in proper position for feeding.

1,540,725. SEAT BACK. ALBERT B. GLASER, Dayton, Ohio. Filed Mar. 21, 1924. Serial No. 700,834. 3 Claims. (Cl. 155—133.)



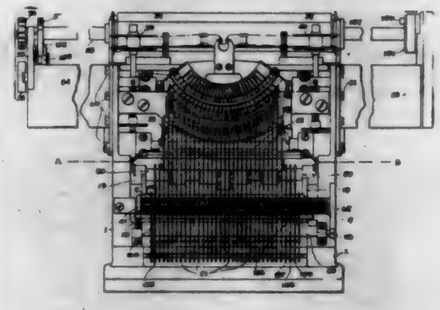
1. A portable seat back comprising two round rods lying across the seat terminating in hooks at one end that embrace the front edge of the seat and at the other end terminating in free standing uprights; a wooden link, having holes adapted to slip over the uprights to hold them in an erect position and at a certain distance apart; a piece of fabric attached to and extending from one upright to the other adapted to serve as a back.

1,540,726. PAPER CONTAINER. ARLINGTON MOORE, Boston, Mass. Filed Oct. 12, 1921, Serial No. 507,370. Renewed Sept. 27, 1924. 2 Claims. (Cl. 229—5.5.)



1. In a paper container having a re-inforced neck formed to provide an internal disk-receiving groove having a disk-supporting seat at its inner side and a disk-retaining shoulder at its outer side, a disk closure for said groove, and a sealing disk having an edge flange adapted to fit in the container at the edge of said seat and to be forced inwardly until its outer surface is flush with said seat, to provide a tight internal closure for the container.

1,540,727. PAGE-PRINTING TELEGRAPH MACHINE. DONALD MURRAY, London, England, assignor to The Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed June 23, 1923. Serial No. 647,330. 6 Claims. (Cl. 178—27.)



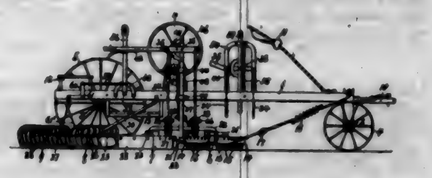
1. A page-printing telegraph machine of the type described, comprising a selecting mechanism actuated by the line impulses, a typewriter printing mechanism including a fixed type bed and a platen carriage reciprocable thereover, the printing operation being controlled by said selecting mechanism, a power driven shaft, an operating spindle having a series of cams, and means actuated by said cams for effecting the required movements of the paper carriage of the printer, a spring-actuated clutch for connecting said shaft and said spindle and a trigger device for said clutch controlled by said selecting mechanism.

1,540,728. PROPELLER. WILLIAM G. G. WEIDINGER, Chicago, Ill. Filed Sept. 6, 1924. Serial No. 736,279. 3 Claims. (Cl. 170—159.)



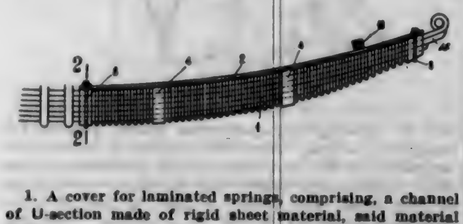
3. In a propeller, a tubular shaft, a hub fast thereupon and rotating therewith, and blades of counterpart formation spaced equidistant one from the other about said hub and extending rearwardly therefrom, said blades curving uniformly outward and then inward and terminating in the plane of said hub, each of said blades being formed with three longitudinally extending cutting edges terminating in a point at the blade end, with a concave portion and with a convex portion embracing one of said cutting edges and producing a streamline effect.

1,540,729. ROAD-SCARIFYING AND STONE-REMOVING VEHICLE. FRITZ E. YORK, Earlville, N. Y. Filed Feb. 11, 1922. Serial No. 535,937. 12 Claims. (Cl. 37—145.)



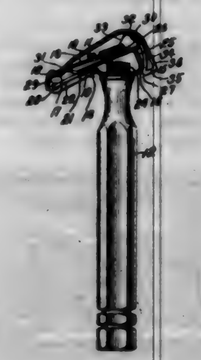
1. In a road machine of the character described, the combination of a main frame and supporting wheels therefor, of a scarifying unit, a scraping unit and a stone collecting rake unit all arranged in sequence from front to rear beneath said frame, connections between the scarifying unit and frame, connections between the scraper and scarifier, and connections between the frame and stone collecting unit.

1,540,730. SPRING COVER. GUIDO DEBENEDETTI, Turin, Italy. Filed June 24, 1924. Serial No. 722,140. 9 Claims. (Cl. 267—37.)



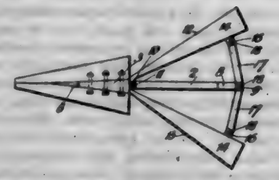
1. A cover for laminated springs, comprising, a channel of U-section made of rigid sheet material, said material having corrugations transverse to the axis of the spring laminations, closing means for the mouth of said channel, and means for fastening said closing means to said channel and the entire cover to the spring enclosed therein.

1,540,731. SAFETY RAZOR. JULIUS BUENO DE MESQUITA, New York, N. Y. Filed Aug. 30, 1924. Serial No. 735,047. 7 Claims. (Cl. 30—12.)



1. A safety-razor comprising a guard plate to receive a blade, a cover hinged at the forward portion of said plate and to close rearwardly over said plate and blade, and means for releasably securing said cover in closed position comprising a rigid part connected with the lower side of said plate and having a rearwardly projecting protuberance and an upwardly and forwardly inclined surface leading from the apex of said protuberance, and a leaf latch spring secured to the rear portion of said cover and having a rearwardly convexed downwardly extending arm to engage and become flexed against said apex when the cover is closed, a rearwardly extending thumb piece at the lower end of said arm and a tongue extending upwardly from the rear end of said thumb-piece to the lower back edge of said cover, said spring being operable to release the cover and aid in throwing the same to open position by the upward pressure of the end of the thumb against said tuhmb-piece, said spring then being flexed rearwardly on passing said apex and reacting against said upwardly inclined surface to drive the cover to open position.

1,540,732. PLOW. SIDNEY JAMES HUNNINGS, Urana, New South Wales, Australia. Filed Oct. 24, 1922. Serial No. 596,593. 1 Claim. (Cl. 97—118.)

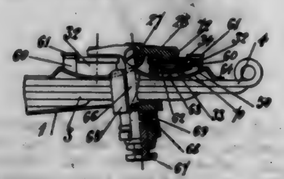


A plow, having a body portion, an upstanding breast portion arranged at one end thereof and extending above the body portion, said upstanding breast portion being formed with openings to permit the attachment of a share thereto, a cutting portion arranged in advance of the breast portion, said cutting portion being formed with an opening to receive a share fixing means, an upright extending from the rear of the body portion and substantially equal in height to that of the breast portion, means for pivotally connecting a mold board and a land board to the rear of the breast portion above the body portion, and links carried by the rear edge of the upright to engage and position the rear ends of the mold board and land board.

1,540,733. DYESTUFFS OF THE ANTHRAQUINONE SERIES. JAMES BADDILEY and WILLIAM WYNDHAM TATUM, Manchester, England, assignors to British Dyestuffs Corporation Limited, Manchester, England. Filed Oct. 22, 1924. Serial No. 745,233. 3 Claims. (Cl. 260—60.)

1. As new articles of manufacture the new dyestuffs which are condensation products of diaminoanthraquinones and a carboxylic acid of an alkylene oxide.

1,540,734. LAMINATED SUSPENSION SPRING FOR AUTOMOBILES AND OTHER VEHICLES. EUGÈNE HOUDRY, Paris, France, assignor to Manufacture Générale de Ressorts, Paris, France, a Limited Joint Stock Company of France. Filed Mar. 8, 1924. Serial No. 697,689. 9 Claims. (Cl. 267—53.)



1. In a laminated spring used in the sunspension of automobiles and other vehicles, the combination with a main strip, and a counter strip, of a cap member carried

by said counter strip, a rocking lever pivoted on the said cap member, and a friction member pivoted to each arm of the said rocking lever, and being in frictional contact with a part of the spring opposite said counter strip

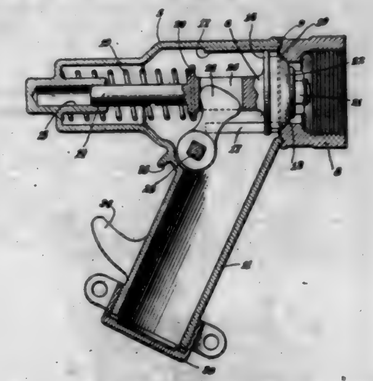
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1,540,735. AUTOMOBILE LICENSE-PLATE-ATTACHING DEVICE. LEONARD D. KROFF, Sterling, Ill. Filed May 7, 1923. Serial No. 637,044. 4 Claims. (Cl. 40—125.)



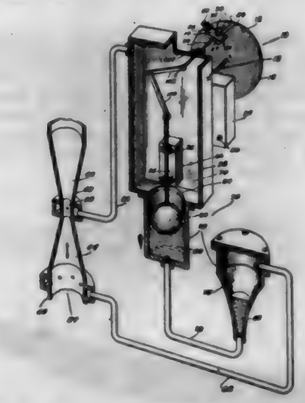
1. In a structure of the class described, comprising a bracket having a slot, and a plate to be supported by said bracket, having a slot to register with the first mentioned slot, the combination therewith of a shank having an integral and laterally flattened head for insertion through said slots, said head being adapted to extend crosswise of the slots, with either end of the head at either side of the slots, duplicate portions adjacent the head and forming flat shoulders facing outward in opposite directions to bear against the edges of said slots, after the inner side of said head is drawn back against the face of the plate, so that with the head in either position thereof the shank is prevented from rotating by engagement of said shoulders with said edges of the slots, a slidable washer on the shank to bear against the bracket, a coil spring bearing against said washer at the back of said bracket, so that said bracket and plate are clamped tightly between said washer and head, and means permanently held on said shank to hold the spring in position thereon.

1,540,736. SELF-CLOSING FAUCET FOR TANK WAGONS. ABRAM W. WHEATON, Jr., Newark, N. J., assignor to A. W. Wheaton Brass Works, Newark, N. J., a Corporation. Filed Dec. 29, 1922. Serial No. 609,566. 2 Claims. (Cl. 137—21.)



2. In a tank wagon the combination with a tank of a faucet comprising a two-part casing, one part having an outwardly extending valve seat closely adjacent the joint, and the second part having guideways closely adjacent the joint, a longitudinal, movable valve member arranged to seat on the aforesaid valve seat against the pressure of fluid in the tank and having a flange closely adjacent the valve head and bearing against the aforesaid guideways, the valve stem projecting and having bearing in a cylindrical bore forming an extension of the casing, and a spring surrounding said projecting valve stem and operative to seat the valve against the pressure of fluid in the tank substantially as and for the purpose described.

1,540,737. FLOW METER. FREDERICK N. CONNET, Providence, R. I., assignor to Builders Iron Foundry, Providence, R. I., a Corporation of Rhode Island. Filed Aug. 16, 1924. Serial No. 732,589. 5 Claims. (Cl. 235—61.)

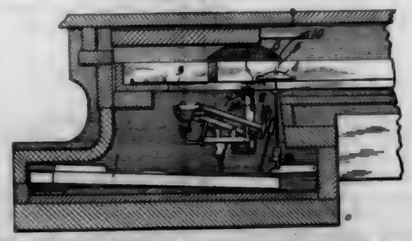


5. In an integrating flow meter having pressure differential producing element attached to a conduit, an integrator of the sine type having a friction driven wheel, small rollers substantially forming the periphery of said wheel, and means actuated by said pressure differential producing element to continuously twist said friction driven wheel to an angle whose sine is proportional to the rate of flow in said conduit.

1,540,738. PROCESS OF MANUFACTURING HYDROQUINONE. HERMANN EMDE, Berlin-Lankwitz, Germany, assignor to Chemische Fabrik auf Actien (vorm. E. Schering), Berlin, Germany. Filed Aug. 9, 1921. Serial No. 490,888. 4 Claims. (Cl. 260—154.)

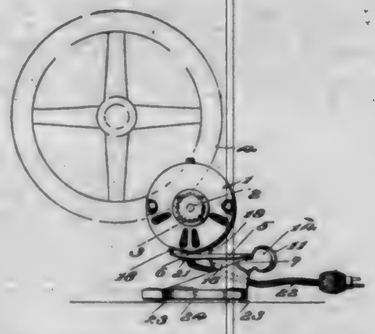
1. The process of making hydroquinone which consists in heating a quinhydrone with iron and water.

1,540,739. COMBINED PIANO AND PRACTICE INSTRUMENT. BENJAMIN H. JEFFERSON and ROBERT H. WAUD, Chicago, Ill., assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill., a Corporation of Illinois. Filed Dec. 16, 1918. Serial No. 266,859. 2 Claims. (Cl. 84—220.)



2. In a grand piano, the combination with the action, of an axially rotatable rod extending crosswise of the action in proximity to the strings, said rod being provided with a plurality of independent muffling members tangentially mounted and each consisting of one or more strips of felt and a handle at one end of the rod or bar for rotating the same, said rod or bar being mounted so that when rotated said felt strips will be thrown into and out of position between the action hammers and the strings, said felt strips being of such character as to muffle the playing tones so as to make the same almost inaudible.

1,540,740. PORTABLE ELECTRIC SEWING-MACHINE MOTOR. THEOBALD C. WEISS, Racine, Wis., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn., a Corporation of Connecticut. Filed Oct. 2, 1922. Serial No. 591,964. 10 Claims. (Cl. 74—26.)



1. In a portable electric motor, the combination of a base to rest on a table top, a bearing ember on said base having its axis parallel to the axis of the motor shaft, a vertically swinging motor carrying arm rocking at one end on said bearing member, a spring holding said arm on said bearing member and also acting on the arm to press its free end upwardly, and an electric motor mounted on the free end of said arm.

1,540,741. MECHANISM FOR SETTING OR DISPLACING A TOOL OR OTHER DEVICE BY A PREDETERMINED AMOUNT. EDGAR KENNETH HUNTER and JOHANNES ROBERT CARL AUGUST, London, England. Filed Oct. 20, 1924. Serial No. 744,711. 8 Claims. (Cl. 175—337.)



1. A setting mechanism comprising in combination a number of loose elements, guides for said elements, a stop, light springs maintaining said elements displaced from one another and from said stop at predetermined varying distances, means to connect the elements most remote from the stop to a body to be displaced, and means to bring together a number of said elements against the light springs supporting them, whereby the said body is displaced by the distance apart of said elements so brought together.

8. A setting mechanism comprising in combination a rod, a number of discs, loosely slidable on said rod, each comprising an electro-magnet and armature, light springs maintaining the said discs displaced from one another and from said stop, a finger on each disc engaging the neighbouring disc to set a limit to their relative normal displacement by reason of the springs between them, and means to energize any one of said electro-magnets to draw up the discs to one another against the action of said springs.

THE

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OF THE

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CONTENTS.

	Page.
Issue of June 9, 1925	261
Interference Notices	261
Adjudicated Patents	261
Adverse Decisions in Interference	261
Applications Under Examination	263
Decisions of the U. S. Courts—	
Pinkerton v. Gibson	263
In re Carrier	264
Patent Suits	267
Trade-Marks Published (234 Applications)	269
Trade-Mark Registrations Granted	299
Trade-Mark Registrations Renewed	311
Labels	312
Prints	313
Reissues	313
Designs	314
Patents Granted	315

Issue of June 9, 1925.

Trade-Marks	229—No.	199,285 to No.	199,513, inclusive.
T. M. Renewals	29		
Labels	18—No.	28,775 to No.	28,792, inclusive.
Prints	1—No.	7,982.	
Reissues	4—No.	16,092 to No.	16,095, inclusive.
Designs	50—No.	67,485 to No.	67,534, inclusive.
Patents	1035—No.	1,540,742 to No.	1,541,776, inclusive.
Total	1466		

Interference Notices.

U. S. PATENT OFFICE, *Washington, Mar. 26, 1925.*

The New-Tone Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of McGregor Chemical Co., 840 East Seventy-fifth Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered November 9, 1915, No. 106,988, to The New-Tone Company, 431 North Clark Street, Chicago, Ill., and a notice of such declaration sent by registered mail to The New-Tone Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless The New-Tone Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 23, 1925.*

Ramco Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ram Metal Products Co., Inc., 1848 Webster Avenue, New York, N. Y., for registration of a trade-mark and trade-marks registered November 24, 1914, Nos. 101,324, 101,325, and 101,326, to the Ramco Manufacturing Company, 232 State Street, Schenectady, N. Y., and a notice of such declaration sent by registered mail to said Ramco Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ramco Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 23, 1925.*

Steinberger & Kalisher, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Steinberger Bros. Lobl Co. Inc., 295 Fifth Avenue, New York, N. Y., for registration of trade-marks and trade-mark registered May 14, 1907, No. 62,598, to Steinberger & Kalisher, 2001 Lyon Street, San Francisco, Calif., and a notice of such declaration sent by registered mail to said Steinberger & Kalisher at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Steinberger & Kalisher, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

ADJUDICATED PATENTS.

(C. C. A. Calif.) The Denivelle patent, No. 1,212,331, for artificial travertin, *Held* invalid. *Denivelle* v. *MacGruer & Simpson*, 4 F. (2d) 329.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,141,717, J. W. Lee and J. L. Hogan, jr., Transmitting intelligence by radiant energy, decided April 6, 1925, claims 1, 2, 3, 4, 5, and 7.

Pat. 1,376,504, W. J. Behn, Universal joint, decided April 6, 1925, claims 1 and 2.

Pat. 1,378,892, C. W. Myers, Tractor, decided April 6, 1925, claims 1 to 4, inclusive.

Pat. 1,396,217, W. M. Jones, jr., Tire making and repairing device, decided April 6, 1925, claim 1.

Condition of Applications Under Examination at Close of Business May 29, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 44,251; Trade-Mark Division, 3,396. Oldest new case, Dec. 1, 1924; oldest amended, Dec. 2, 1924. The dates given are 1925 except where † indicates 1924.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended.	Number of applications awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Feb. 26	Mar. 12	610
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 6	Feb. 14	524
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 20	Apr. 13	293
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 24	Feb. 16	621
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	†Dec. 29	Jan. 2	966
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 6	Jan. 5	891
312	7. JARBOE, C. O., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 2	Feb. 2	966
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 5	Feb. 5	1,320
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Jan. 31	Mar. 4	616
116	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Jan. 29	Jan. 29	981
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 5	Mar. 14	731
260	12. PIERCE, P. P., Machine Elements	Jan. 20	Jan. 20	736
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Jan. 13	Feb. 7	1,142
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 5	Apr. 2	290
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Jan. 30	Feb. 9	925
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 2	Jan. 8	914
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Feb. 16	Mar. 13	366
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 2	Jan. 2	811
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 13	Mar. 25	565
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Sales; Undertaking	Jan. 29	Jan. 31	823
212	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	†Dec. 31	Mar. 23	458
108	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 2	Mar. 17	881
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 7	Jan. 20	998
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Feb. 2	Feb. 19	511
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Mar. 26	Mar. 27	702
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 5	†Dec. 3	752
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 2	Mar. 9	668
225	28. BENSON, A. R., Internal-Combustion Engines	Apr. 10	Apr. 9	699
160*	29. MORRIS, B. N., Abrading; Boring and Drilling Button Making; Chucks or Rockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 15	Jan. 2	1,075
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Feb. 24	Mar. 9	918
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue	Mar. 14	Mar. 16	802
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 5	Feb. 3	629
153	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Mar. 30	Mar. 27	684
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Jan. 26	Jan. 27	606
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 9	Mar. 12	647
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Feb. 13	Jan. 22	1,267
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	†Dec. 17	†Dec. 15	1,210
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 11	†Dec. 15	938
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 7	Feb. 13	422
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 5	Jan. 5	1,615
125	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 21	Jan. 31	619
222*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 3	Jan. 7	1,080
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 7	Jan. 14	904
258	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 26	Jan. 26	757
370	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides	Jan. 20	Jan. 20	790
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 3	Jan. 2	670
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Jan. 26	Feb. 2	1,836
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Dec. 1	†Dec. 5	1,721
230	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 2	Feb. 7	709
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 2	Jan. 3	1,302
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 3	Jan. 6	2,070
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Mar. 13	Mar. 26	826
112	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Jan. 20	Jan. 24	1,003
102	Designs: C. O. MARKHAM (Acting)	May 7	May 14	300
163	Trade-Marks, Labels and Prints: T. L. MEAD, Jr {Trade-Marks	Apr. 23	May 15	1,960
	{Labels and Prints	Apr. 15	May 19	335

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

PINKERTON v. GIBSON.

No. 1,981. Decided December 1, 1924.

INTERFERENCE—ORIGINALITY.

Where the question was one of originality, and P. contended that he mailed an embodiment of the invention to G., but his letter transmitting the device did not describe it, although he had taken out ten patents so that he must have appreciated the importance of claiming and describing any invention he was conscious of having made; where P. did not preserve the letter when returned personally by G., and several witnesses, one of whom was disinterested, all testified to the effect that the device mailed to G. did not disclose the invention; and where P.'s testimony on cross-examination was equivocal, *Held* that the burden was upon P. as the junior party, and he had not sustained it.

APPEAL from Patent Office. Affirmed.

Mr. Joshua R. H. Potts and *Mr. B. G. Richards* for Pinkerton.

Mr. C. L. Parker for Gibson.

Before MARTIN, Chief Justice, and ROBB and VAN ORSDEL, Associate Justices.

ROBB, *J.*:

Appeal from a decision of the Patent Office, in an interference proceeding, awarding priority to the senior party Gibson.

Gibson was the secretary and general manager of the Sta-Rite Hair Pin Co., of Shelbyville, Ill., and Pinkerton was president of the Pinkerton Folding Box Co. of Chicago. A former official of the Sta-Rite Co., in an interview with Pinkerton at the latter's factory, suggested to him the manufacture of cartons instead of display cards, formerly in use. This official and Pinkerton went to the store of Marshall Field & Co. and inspected cartons used by other manufacturers and having plain straps with wooden pins glued between the center of the strap and the side of the box to hold the display hair pin. On September 2, 1920, and subsequent to this interview, Pinkerton sent the Sta-Rite Co. a small carton and wrote the company as follows:

> We have mailed you, under separate cover, a small handmade carton for the celluloid pin to be used instead of the card as suggested by Mr. Bland. Advise us as to how many of these cartons you wish, so we can make provisions to get some of them out for you. We will endeavor to use the stock that we purchased for the cards for this purpose.

It is the contention of Pinkerton that the carton referred to in this letter disclosed the invention in issue, which differs from the prior art in that the strap which overlies the display pin is provided with a struck-down portion or tongue which passes between the prongs of the pin and through an opening in the side of the box, thereby eliminating the wooden dowel. It will be observed that no claim is made in this letter that the carton therein mentioned contained any novel features, nor is there any description of it. Right here it may be mentioned that Pinkerton had taken out ten patents on other kinds of boxes, so that he must have appreciated the importance of describing and claiming any invention he was conscious of having made. Mr. Gibson, who opened the package containing the carton upon its receipt by the Sta-Rite Co., Miss Black, his stenographer, Mr. Girouard, foreman of the celluloid department, a Mr. Creech, a director of the company, and a Mr. Tallman, whose factory was nearby and who was a disinterested witness, all testified to the effect that the carton in question did not disclose the invention; that it did not differ from the cartons already in use. The Assistant Commissioner has very carefully and fairly reviewed this testimony, and we agree with him that it disproves Pinkerton's contention on this point.

Cogency is added to this view from Pinkerton's failure in the letter to describe the carton, from his failure to preserve it when returned personally by Mr. Gibson, and from the equivocal character of his testimony on cross-examination. Mr. Gibson, shortly after his company received this carton, went to Chicago and remained there several days, during which he frequently interviewed Mr. Pinkerton and other concerns dealing in wooden pins or dowels. Gibson contends that it was during this time that he made the invention. On cross-examination, Pinkerton was asked whether he did not suggest to Gibson that he get prices and quotations on wooden pins or dowels, and replied, "No, not that I remember of." He then was asked if Gibson had not reported to him that he had secured prices from one or two persons who owned the stock from which these wooden pins were made and answered, "No, not in my memory." He again was asked whether Gibson did not come back to his, Pinkerton's, office after he had been in Chicago a couple of days, with a box which he informed Pinkerton he had cut out himself the night before, and responded, "I don't remember anything of the kind. We had got through with this box, as to my knowledge." Thereupon he was asked if Gibson did not submit this box for his examination and whether, after carefully examining it and taking it apart and putting it together again, he did not say to Gibson, "You have got it." To this inquiry he replied, "No, I don't remember that."

That Gibson did obtain prices on these dowels is clearly established, because he gave the names and addresses of the firms, and it is apparent from Pinkerton's cross-examination that he not only knew of what Gibson had done but probably suggested it. Of course, if Pinkerton had made the

invention, as he now contends, there was no necessity for this course of conduct on the part of Gibson.

The Assistant Commissioner has so carefully and satisfactorily reviewed the evidence that we do not consider it necessary to dwell further upon it. The burden was upon Pinkerton, as the junior party, and he has not sustained it. We therefore affirm the decision.

Affirmed.

Court of Appeals of the District of Columbia.

IN RE CARRIER.

No. 1,706. Decided April 6, 1925.

Decision of Assistant Commissioner Fenning.

1. PROSECUTION OF APPLICATIONS—REJECTION BY EXAMINERS IN CHIEF ON NEW REFERENCE—RULE 139. An applicant who elects to appeal from a decision of the Examiners in Chief rejecting his claims on a new reference, under rule 139, waives his right to reconsideration before the Primary Examiner.

2. DOUBLE PATENTING—GENUS AND SPECIES—GENERIC CLAIMS PRESENTED IN LATER APPLICATION FOR DIFFERENT SPECIES AFTER GRANT OF PATENT ON EARLIER APPLICATION WITH SPECIFIC CLAIMS. Where two applications filed by the same inventor for different species of the same invention were copending in the Patent Office, and the claims of the earlier application were specific to the species disclosed therein, and generic claims were not presented in the later application until long after the granting of a patent on the earlier application, *Held* that the generic claims should not be allowed in the later application.

3. SAME—UNPATENTABLE DISTINCTION MADE BETWEEN CLAIMS OF DIFFERENT PATENTS TO SAME INVENTOR. An inventor who has obtained a patent for a specific mechanism for moving an indicator to show the humidity of the air or for moving a member for any purpose, can not again obtain a patent claiming the same mechanism for moving a valve for the emission of moisture in the air.

4. INVENTION—AUTOMATIC MACHINERY—USE OF INSTEAD OF HAND OPERATION. It is not patentable merely to do by automatic machinery what has commonly been done by hand.

5. DOUBLE PATENTING—NOT JUSTIFIED BY ENFORCED DELAY FOR INTERFERENCE. Double patenting is not justified on the ground that the inventor could not delay the issuance of his former patent, but had to take it out while his other application was in interference. He should not have claimed the common invention in the application on which the patent was granted if he desired to claim it in the other application.

APPEAL from Patent Office. Affirmed.

Mr. Arthur E. Parsons for Carrier.

Mr. T. A. Hostetler for the Commissioner of Patents.

Before MARTIN C. J., ROBB, J., and VAN ORSDEL, J.

PER CURIAM:

Appeal from a decision of the Patent Office refusing to allow claims 1 to 8, inclusive, 15, 16, 17, 19, and 20, of appellant's application for a patent relating to a humidity regulator.

After a careful examination of the record and briefs, and giving due consideration to the argument at bar, we are convinced, as were the tribunals of the Patent Office, that the allowance by the Office of seven claims of the application protected all the novel features of appellant's device.

For the reasons stated by the Patent Office, we affirm the decision.

The decision of Assistant Commissioner Fenning, rendered in this case February 5, 1924, is as follows:

This is an appeal from the decision of the Examiners in Chief affirming the final rejection by the Primary Examiner of claims 1 to 8, inclusive, 15, 16, 17, 19, and 20.

The invention relates to an instrument intended for use in textile factories and other places to control the emission of moisture to the air, and thereby maintain the desired humidity of the air in the rooms. The device also controls the temperature of the air; but this is not a feature of the appealed claims. The objects of the invention are stated on page 2 of the specification as follows:

The primary object of the invention is to produce an efficient and practical instrument in which the pressure of the vapor generated by a volatile liquid is made use of for controlling the humidity of the air, and which will work equally well without adjustment in variable temperatures. Other objects of the invention are to provide the instrument with means whereby, if desired, the temperature of the air as well as its humidity can be regulated; also to make the instrument adjustable for obtaining the different desired hygrometric conditions of the air; and also to improve regulating instruments of the character mentioned in the respects hereinafter described and set forth in the claims.

The instrument has two tubes which are subjected respectively to the temperatures indicated by wet and dry bulb thermometers. The tubes are partially filled with a volatile liquid, as sulfur dioxide, the vapor pressure of which varies readily in response to changes of temperature. The vapor pressures generated in the tubes are transmitted by air-tight pipes to diaphragms so arranged as to transmit the pressures to the opposite sides of the left-hand end of a lever and at different relative distances from the fulcrum of the lever, depending upon the desired humidity to be maintained. The diaphragm subjected to the greater pressure from the dry-tube generator is located nearer the fulcrum than is the other diaphragm, and the ratio of these distances is changed by manual adjustment of the fulcrum. The correct ratio for a desired percentage of humidity is established when the fulcrum is brought opposite that percentage, as indicated by a scale on the lever. The end of the lever bears against a valve H which controls the flow of compressed air to means controlling a valve h^1 in the pipe h^2 through which moisture is admitted to the air. This specific means forms no part of the invention. It is shown in Fig. 5 which was incorporated in the drawings by amendment. When the humidity falls below that for which the instrument is set, the differential pressure on the lever increases, causing the left end of the lever to move downwardly and permitting a spring to move the valve H toward closed position. The increase in the differential pressure is due to the increased rate of evaporation in the wick surrounding the wet tube when the air becomes less humid, which results in the lowering of the temperature and gas pressure in the wet tube as compared with the temperature and pressure in the dry tube. As the air becomes more humid the rate of evaporation decreases and the pressure in the wet tube increases, lowering the differential pressure on the lever, with a resulting opening movement of the valve H.

The following are illustrative of the appealed claims:

1. In a humidity regulator, the combination with a humidity supply system, and a valve operable to control the action of said system; of thermo-responsive elements independently influenced by different temperatures, and a device for operating the valve, said device being actuated by the conjoint action of said elements due to changes in temperature, whereby the operation of said device is dependent upon the relation existing between said different temperatures, substantially as set forth.

4. In a humidity regulator, the combination with a humidity supply system, and a valve operable to control the action of said system; of generators independently influenced by the wet and dry bulb temperatures of the air, the generators being partly filled with sulphur dioxide, and a device for operating the valve, said device being actuated by the conjoint action of the generators due to changes in temperature, whereby the operation of said device is dependent upon the relation existing between said wet and dry bulb temperatures, substantially as set forth.

6. In a humidity regulator, the combination with a humidity supply system, and a valve operable to control the action of said system; of thermo-responsive elements independently influenced by different temperatures, a device for operating the valve, said device being actuated by the conjoint action of said elements due to changes in temperature, whereby the operation of said device is dependent upon the relation existing between said different temperatures, and means for varying the ratio of effect of the thermo-responsive elements upon said device, substantially as set forth.

19. A humidity controlling device comprising two thermostatic members, a valve, means mechanically connecting said valve with said thermostatic members, and means for setting the thermostatic members with a predetermined difference in effect of the operation of said members.

The references are: Bradford, No. 222,234, Dec. 2, 1879; Carrier, No. 896,690, Aug. 18, 1908; Carrier, No. 1,165,225, Dec. 21, 1915; Cramer et al., No. 1,331,981, Feb. 24, 1920; Richard (Fr.), No. 156,210, June 23, 1883, and addition thereto dated May 19, 1886.

The patent to Bradford discloses a governor intended for use to regulate either the temperature or humidity of the air in spinning and weaving rooms. The valve B controls the flow of steam to the heating coils when used for the former purpose or to the vapor jets when used for the latter purpose. The valve is moved by the eccentric a each time the magnet C is energized. As shown in Fig. 1 a bar *d f*, the length of which depends upon the temperature in the room, carries at its movable upper end a projection located between the electric contact screws *k* and *t*. Those screws are adjusted to such positions as to maintain the temperature between any desired limits. As the temperature rises to the upper limit the bar expands until its projection contacts with the screw *k*. Then a circuit is established from battery through wire *l m*, insulated post *f*, spring *e*, metallic base plate, magnet C, wire leading to insulated connecting screw *h*, and the wire leading therefrom back to battery. This energizes the magnet, and as the armature *o p* is drawn up the gear mechanism is released, the weight D acting therethrough to rotate the eccentric *a* and move the valve to closed position. As the valve moves contact between the spring *e* and post *f* is broken, and when the wheel *s* has made half of a complete rotation the projection *x* on the armature enters an opening in the wheel, permitting the armature to lower sufficiently so that a projection thereon engages the fly *i* and stops the movement of the gearing, with the valve in its closed position and the spring *e* resting against the post *g*. When the temperature reaches the lower limit, the projection on the bar *d f* contacts with the screw *t* and the magnet is again energized. The circuit is as described above except that the screw *t*, the wire *y v*, and the post *g* are utilized in lieu of the screw *k*, the wire *l m*, and the post *f*. This results in the turning of wheel *s* and eccentric through another half rotation, which opens the valve and breaks the circuit by moving the spring *e* away from the post *g*.

When Bradford's governor is used to regulate humidity instead of temperature, the wet bar $e^3 f^3$, the dry bar $g^3 h^3$, and the lever $c^3 d^3$, Fig. 2, are used in place of the bar *d f* and its projection, Fig. 1. The bars $e^3 f^3$ and $g^3 h^3$ are pivotally connected to the lever $c^3 d^3$ and act in opposite directions thereon. Thus expansion of the bar $e^3 f^3$ swings the upper end of the lever to the left, while expansion of the bar $g^3 h^3$ swings said end to the right, as viewed in Fig. 2.

Claims 1 and 2 read directly on Bradford when the device shown in Fig. 2 of this reference is used. His bars $e^3 f^3$ and $g^3 h^3$ have a differential operation, or an action in opposition to each other, on the lever $c^3 d^3$. This differential operation depends upon the relative temperatures of the bars, which is controlled by the humidity of the air.

Claim 15 is not considered patentable over Bradford, in which the valve B is caused to be moved by the lever $c^3 d^3$.

In his brief before the Examiners in Chief, the appellant relied upon his Patent No. 896,690 to overcome the filing date of the application of Cramer et al., Ser. No. 408,049, which application matured into Patent No. 1,331,981, cited above. The Examiners in Chief held the Cramer et al. patent avoided as a reference against certain of the claims which are readable on Carrier's patent, No. 896,690, but held these claims unpatentable to Carrier in his instant application, because they regarded such claims as statements of an invention indivisible from the invention defined in claims 1 and 7 of the patent.

[1] In his brief here appellant states that the case should be remanded to the Primary Examiner for his consideration of Patent No. 896,690, relied upon by the Examiners in Chief. Having elected to appeal from the decision of the Examiners in Chief, under rule 139, appellant has waived his right to reconsideration before the Primary Examiner.

The Carrier patent, No. 896,690, discloses dry and wet bars A and B, constructed in the form of perforated tubular members and arranged one within

the other. The upper end of the outer member A is rigidly connected to a fixed support, while the upper end of the inner member B bears against a lever L. The lower movable ends of the members A and B are connected to each other, and consequently the action on the lever is a differential action due to unequal expansion or contraction of the members A and B. The lever operates a valve similar in construction and operation to the valve H in the instant application. This valve controls the supply of compressed air in a passage leading to means for supplying moisture to the air. The members A and B are made of different metals, so that they do not have the same coefficient of expansion. The inner member B is mounted on a screw F, which has a different coefficient of expansion from the member B. By adjusting the screw in the member B the effective coefficient of expansion of the inner member is adjusted.

It is thus seen that the patented device is used for the same purpose and is generically the same as that of the application. The latter device is an improved instrument in which the wet and dry vapor-generator tubes are used in place of the wet and dry metal bars of the patented device. Claims 1, 6, 15, 19, and 20 read on the patented instrument.

Appellant urges that his claims should not be restricted in view of his prior patent, No. 896,690, because that patent shows, and claims specifically, one species, while his instant application discloses another species of the same generic invention. Since the two applications were copending in the Office, he maintains that he has a right to the generic claims in either. He points out that claims 1 and 7 of the patent, referred to by the Examiners in Chief, include respectively elements which have different coefficients of expansion and means for changing the ratio of expansion of the elements. Since these features are not present in the instant application and since all the other claims of the patent are limited to that species, appellant bases his right to now claim the invention more generically than he claimed it in the patent, on the fact that the instant application was filed before the former patent issued. If the appellant had consistently claimed the generic invention in the instant application since a time prior to the granting of his former patent, there would be considerable force to his contention. The generic claims were not presented herein, however, until long after said patent was granted.

In the case of the *Union Typewriter Co.* v. *L. C. Smith & Bros.*, 171 F. R. 288, Judge Archbald said that in order to hold valid claims 37 and 38 of the Daugherty patent, No. 481,477, they must be held limited in view of the former Daugherty patent, No. 470,990. There, as here, the two applications were copending in the Office, the claims of the earlier patent were specific to the species disclosed therein, and the generic claims were not presented in the later application until after the granting of the earlier patent. The court held that under these circumstances valid generic claims could be granted only in a reissue of the first patent. That decision was affirmed in the circuit court of appeals, 162 O. G. 271; 1911 C. D. 452; 181 F. R. 966, the appellate court holding claims 37 and 38 void in view of the earlier patent.

[2] Daugherty filed his second application on March 8, 1892, obtained his first patent on March 15, 1892, inserted the generic claims by amendment in the second application on June 23, 1892, and obtained the second patent on August 23, 1892. These events all occurred within a period of six months. Appellant occupies a much more unfavorable position, and this is the only marked distinction in the cases. He received his patent on August 18, 1908, but did not assert his right to claims generic to the two species until April 8, 1921. Prior to that date his claims were commensurate with the above-quoted statement of the primary object of his invention—i. e., the use of vapor generators containing a volatile liquid. To allow him generic claims in the instant application would be equivalent to granting a reissue of the former patent with broadened claims for the full term of 17 years at a time when the patent is about to expire. For about 13 years there was no thought of claiming in this application any invention disclosed in the patent. Not having asserted his right to the generic claims until so long a time after obtaining the patent, they should not be allowed in the instant application merely because it happened to be filed a short time before the patent issued. Moreover, the decisions cited above, to which may be added *Jones* v. *Larter*, 92 O. G. 383; 1900 C. D. 111, preclude the allowance of such claims. Claims 1, 6, 15, 19 and 20 are not patentable in view of Patent No. 896,690.

The patent to Carrier, No. 1,165,225, discloses another instrument in which wet and dry generator tubes are partially filled with sulfur dioxide, the vapor pressures being transmitted by means of pipes, diaphragms, levers, and links to the opposite sides of the lever G^3, Fig. 4. This lever is provided with a segment g^4, having teeth which mesh with teeth on a pinion h. This pinion is rigidly connected to a pointer H, Fig. 1. The pointer cooperates with a scale to indicate the humidity of the air. While Carrier uses his instrument to indicate, or indicate and record, percentages of humidity in the air, many of the claims are not limited to such use. In fact, claims 5 and 8 to 15, inclusive, of the patent read directly upon the instrument claimed in the instant application.

Appellant bases his right to the appealed claims, notwithstanding Patent No. 1,165,225, on the fact that each of said claims includes a humidity-supply system and a valve operable to control the action of such system, features not disclosed or claimed in the patent. He argues, therefore, that there can be no double patenting, even though the claimed instrument is the same as that claimed in the patent. The following claims are copied to illustrate the inventions claimed in the application and patent.

Application.	*Patent.*
4. In a humidity regulator, the combination with a humidity supply system, and a valve operable to control the action of said system; of generators independently influenced by the wet and dry bulb temperatures of the air, the generators being partly filled with sulphur dioxide, and a device for operating the valve, said device being actuated by the conjoint action of the generators due to changes in temperature, whereby the operation of said device is dependent upon the relation existing between said wet and dry bulb temperatures, substantially as set forth.	5. The combination of generator receptacles which contain sulfur dioxid and one of which is influenced by the dry bulb temperature of the air, means whereby the other receptacle is influenced by the wet bulb temperature of the air, a movable device, and operating mechanism therefor which is actuated by the conjoint action of the different vapor pressures produced from the sulfur dioxid in said receptacles, substantially as set forth.

[3] The question presented is whether having obtained a patent for a specific mechanism for moving an indicator to show the humidity of the air, as in claims 1 and 2 of the patent, or a member for any purpose, as in claims 5 and 8 to 15 of the patent, the same mechanism can be again patented for moving a valve to control the emission of moisture to the air. At the time the Carrier patent, No. 1,165,225, was granted it was common in the art to operate a valve for controlling the emission of moisture to the air by the differential pressure created by wet and dry thermoresponsive elements acting in opposition to each other, as disclosed, for instance, in the patents to Bradford and Carrier, No. 896,690, discussed above. It is not seen, therefore, how this feature can constitute a patentable distinction over the invention claimed in Patent No. 1,165,225. Claims which differentiate only in this respect from the claims of Patent No. 1,165,225 are clearly unpatentable to appellant in the instant application, because they state in patentable substance the same invention for which he has received protection in the former grant.

Other than the supply system and valve, claims 1, 2, 3, 4, 5, 15, and 16 contain no feature not claimed in Patent No. 1,165,225. It is not considered that they are patentable, in view of this reference.

[4] Claims 6, 7, 8, and 20 include the limitation—means for varying the ratio of effect of the vapor pressures upon the movable member. In Patent No. 1,165,225 this ratio is varied automatically and so claimed in claims 3 and 4. This feature is also claimed broadly in claim 6 of the patent as "leverage changing mechanism." It is not patentable merely to do by automatic machinery what has commonly been done by hand. *Jones et al.* v. *General Fireproofing Co.*, 280 O. G. 562; 1919 C. D. 241; 245 F. R. 97. Moreover, claims 6, 7, 8, and 20, like claim 6 of the patent, cover both the manual adjustment of the application and the automatic adjustment of the patent. These claims are not considered allowable in view of Patent No. 1,165,225.

Claim 17 states that the lever is rigidly connected to the valve. This connection in the application is similar to that shown in Patent No. 896,690. It is rigid only in the sense that it is not yielding. In Patent No. 1,165,225 the connection between the lever G and the member moved thereby is unyielding. This claim is unpatentable in view of Patent No. 1,165,225.

[5] Appellant contends that the claims of the instant application should not be refused on the ground that there would be double patenting of the subject matter of his former patent, No. 1,165,225, since he could not delay the issuance of the former patent, but had to take out the patent while the instant application was involved in interference. Even so, he should not have claimed the common invention in the application on which the earlier patent was granted if he desired to claim it here. Had he patented the instant application first, with the claims here on appeal, he would have been compelled to restrict his claims in the other application. It is perfectly obvious that many of the claims now in the patent would not have been allowed in that application if the present case had been patented first containing the claims here on appeal.

In view of the fact that the appealed claims are regarded as being without patentable merit, for the reasons stated above, it is unnecessary to consider the remaining art relied upon by the Examiners in Chief.

The decision of the Examiners in Chief is affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

845,224, W. Eibel, Fourdrinier machine, stipulation and order dismissing bill Mar. 7, 1924, D. C., S. D. N. Y., Doc. E 28/243, *Eibel Process* v. *Sears, Roebuck & Co.*

1,018,502 (*a*), Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.; 1,180,159, I. Langmuir, Incandescent electric lamp, final decree sustaining patents and granting perpetual injunction (notice dated Mar. 19, 1925), D. C., S. D. N. Y., Doc. E 29/44, *General Electric Co.* v. *Luna Lamp Co., Inc.*

1,018,502 (*b*), Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc., suit filed Nov. 5, 1924, D. C., S. D. N. Y., Doc. E 30/241, *General Electric Co.* v. *P. Freeman Co., Inc., et al.* Final decree sustaining patents and granting injunction Feb. 13, 1925.

1,018,502 (c), Just & Hanaman, Incandescent bodies for electric lamps; 1,082,933, W. D. Coolidge, Tungsten and method of making same for use as filaments of incandescent electric lamps, etc.;

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1,080,630, E. V. Hartford, Antivibration device for vehicle; 1,401,252, same, Spring retarding device, stipulation and order of discontinuance without prejudice Dec. 3, 1924, D. C., S. D. N. Y., Doc. E 29/99, *E. V. Hartford, Inc.*, v. *American Bosch Magneto Corp.*

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1,134,990, J. Besser, Cigar box, suit filed Mar. 19, 1925, D. C., S. D. N. Y., Doc. E 31/298, *J. Besser et al.* v. *L. Powell.*

1,172,864. (See 1,125,935.)

1,180,159. (See 1,018,502 (*a*).)

1,195,252, F. H. Moyer, Rim tool, consent and order dismissing bill Apr. 25, 1924, D. C., S. D. N. Y., Doc. E 28/375, *General Rim Co.* v. *Firestone Steel Products Co. et al.*

1,198,246, G. A. Lyon, Buffer for motor vehicles, suit filed Mar. 19, 1925, C. C. A. (2d Cir.), Doc. 8699, *G. A. Lyon et al.* v *J. F. Boh et al.*

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1,256,102. (See 1,125,935.)

1,258,302. (See 1,125,935.)

1,274,369. (See 1,125,935.)

1,294,755. (See 1,125,935.)

1,300,178, G. Lane, Process of producing legends in black on motion-picture negatives, decree affirmed (notice dated Mar. 20, 1925), C. C. A. (2d Cir.), Doc. 8513, *G. Lane* v. *Craftsmen Film Laboratories, Inc.*

1,307,733, A. V. Guilborg, Lubricating apparatus; 1,307,734, same, Lubricating means, suit filed Mar. 23, 1925, D. C. Conn., Doc. E 1789, *The Bassick Mfg. Co.* v. *The Post & Lester Co.*

1,307,734, A. V. Guilborg, Lubricating means, suits filed Mar. 21, 1925, D. C. Mass., Doc. E 2150, *The Bassick Mfg. Co.* v. *J. M. Cohen et al.* Same, D. C. R. I., Doc. 219, *The Bassick Mfg. Co.* v. *Franklin Auto Supply Co.* Same, D. C., E. D. Wis., Doc. 1543 C D, *The Bassick Mfg. Co.* v. *P. Gross Hardware & Supply Co.* Same, D. C., S. D. N. Y., Doc. E 31/306, *The Bassick Mfg. Co.* v. *W. E. Prudence Hardware Co.* Same, Doc. E 31/307, *The Bassick Mfg. Co.* v. *Lowe Motor Supplies Co.*

1,307,734. (See 1,307,733.)

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1,420,219, I. B. Ross, Adjustable tip for corset and shoe laces, order of dismissal under rule 57 Mar. 16, 1925, D. C., S. D. N. Y., E 25/45, *E. Berliston* v. *Anawan Braid Co et al.*

1,423,829, J. Carlson, Cap, suit filed Feb. 5, 1925, D. C., S. D. N. Y., Doc. E 31/129, *J. Carlson* v. *L. Rosen et al.*

1,423,956. (See 1,018,502 (*c*).)

1,473,314, L. Poccia, Air compressor, decree that perpetual injunction issue July 11, 1924, D. C., S. D. N. Y., Doc. E 29/167, *Poccia Bros., Inc., et al.* v. *F. Piacenti.*

1,494,086, J. A. Well, Corset, consent and order of dismissal Jan. 23, 1925, D. C., S. D. N. Y., Doc. E 29/229, *The Strouse Corset Co., Inc.* v. *The Thompson-Barlow Co., Inc., et al.* Same, consent and order of discontinuance Jan. 23, 1925, D. C., S. D. N. Y., Doc. E 29/243, *J. A. Well et al.* v. *I. M. Ullman et al.* (*Strouse Adler & Co.*).

1,497,543, N. K. Chaney, Adsorptive carbon and process of making same; 1,497,544, same, Adsorbent charcoal and process of making same, suit filed Mar. 19, 1925, D. C., S. D. Ohio (E. Div.), Doc. 352, *National Carbon Co., Inc.*, v. *The Barnebey-Cheney Engineering Co.*

1,497,544. (See 1,497,543.)

1,498,196, L. G. Pacent, Electric plug, final consent decree sustaining patent and granting injunction Mar. 20, 1925, D. C., S. D. N. Y., Doc. E 31/59, *Pacent Electric Co., Inc.*, v. *Polymet Mfg. Corp.* Same, filed consent and order of discontinuance Mar. 20, 1925, D. C., S. D. N. Y., Doc. E 31/61, *Pacent Electric Co., Inc.*, v. *The Saturn Mfg. & Sales Co., Inc.* Same, suit filed Mar. 19, 1925, D. C., S. D. N. Y., Doc. E 31/300, *Pacent Electric Co., Inc.*, v. *Spartan Electric Corp.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 9, 1925.

[VOL. 335. No. 2.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 160,081. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PLOUGH CHEMICAL COMPANY, Memphis, Tenn., assignor to Plough Chemical Company, a Corporation of Delaware. Filed Mar. 2, 1922.

BEAUTY BLEACH

No claim is made to the word "Bleach" except in association with the trade-mark as shown.

Particular description of goods.—Toilet Preparation—viz, Face Bleach.

Claims use since Apr. 1, 1921.

Ser. No. 174,313. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) KOEHLER MANUFACTURING COMPANY, Marlboro, Mass. Filed Jan. 8, 1923.

KOMAX

Trade-mark consists of the word "Komax."

Particular description of goods.—Toe and Heel Plates for Lasts, Last Thimbles, and Last Links.

Claims use since Feb. 14, 1922.

Ser. No. 175,083. (CLASS 27. HOROLOGICAL INSTRUMENTS.) HIPP. DIDISHEIM COMPANY, INC., New York, N. Y. Filed Jan. 25, 1923.

WIZARD

Particular description of goods.—Watches, Watch Movements, and Parts of the Same.

Claims use since about Dec. 17, 1912.

Ser. No. 175,520. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WARREN P. RASH CO., INC., Middlesboro, Ky. Filed Feb. 3, 1923.

BLUEBELL BRAND



No claim is made to the word "Brand" apart from the other features of the mark shown in the drawing. The drawing is lined for blue and gold.

Particular description of goods.—Food Flavorings.

Claims use since Sept. 1, 1922.

Ser. No. 177,852. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THOMAS LAWTON, New York, N. Y. Filed Mar. 22, 1923.



The trade-mark consists of a portrait of the applicant.

Particular description of goods.—Massaging Devices and Obesity-Reducing Bands.

Claims use since August, 1919.

Ser. No. 181,791. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UNITED DAIRY CO., Chicago, Ill. Filed June 9, 1923.

Vit

Particular description of goods.—Chocolate Milk Beverage.
Claims use since Mar. 1, 1923.

Ser. No. 187,838. (CLASS 39. CLOTHING.) ZOE MORGAN RICHARDS, London, England. Filed Nov. 1, 1923.

JOUJOU

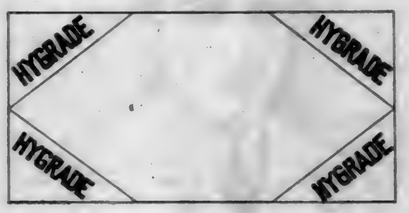
Particular description of goods.—Articles of Clothing—Namely, Women's Bust Supporters, Women's and Children's Knitted or Textile Underwear, Women's and Children's Garters and Hats.
Claims use since June 10, 1919.

Ser. No. 192,286. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BENJAMIN URNER, doing business as Urner Cereal Company, San Diego, Calif. Filed Feb. 14, 1924.

URNER'S DIETENE

Particular description of goods.—Coffee and a Breakfast Cereal.
Claims use since Nov. 1, 1923, on coffee and since Nov. 23, 1923, on breakfast cereal.

Ser. No. 193,514. (CLASS 7. CORDAGE.) FREDERICK C. FISCHER, New York, N. Y. Filed Mar. 10, 1924.



Applicant disclaims the right to the exclusive use of the word "Hygrade" apart from the mark as shown in the drawing.
Particular description of goods.—Cordage and Twines, Consisting of Flax Twines, Cotton Twines, Jute Twines, Hemp Twines, Sash Cord, Fiber Rope, Clothes Lines, and Chalk Lines.
Claims use since Sept. 6, 1922.

Ser. No. 194,665. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) I. ROKEACH & SONS, INC., Brooklyn, N. Y. Filed Mar. 29, 1924. Under section 5, act of 1905, as amended in 1920.)

ROKEACH'S

Particular description of goods.—Salad Oil, a Cottonseed Product; Cocoa, Chocolate, and Honey.
Claims use since August, 1921, on chocolate; since July, 1913, on honey; since September, 1910, on salad oil, a cottonseed product; since July, 1913, on cocoa.

Ser. No. 195,318. (CLASS 2. RECEPTACLES.) THE WARREN CITY TANK & BOILER COMPANY, Warren, Ohio. Filed Apr. 10, 1924.



No claim is made to the words "Warren City, Tanks, Any Size—Any Place—Any Purpose" nor to the representation of the goods.
Particular description of goods.—Steel Storage Tanks, Car Tanks, and Acid Tanks.
Claims use since Jan. 26, 1923.

Ser. No. 195,850. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALBERS PACKING COMPANY, Riverside, Calif. Filed Apr. 21, 1924.

LAKELAND

Particular description of goods.—Ripe Olives.
Claims use since 1918.

Ser. No. 195,854. (CLASS 12. CONSTRUCTION MATERIALS.) AMALGAMATED ROOFING COMPANY, Chicago, Ill. Filed Apr. 21, 1924.

4 in 1

Particular description of goods.—Prepared Roofing Shingles of Fibrous Material Impregnated with a Moisture Repellant.
Claims use since Mar. 1, 1915.

Ser. No. 195,931. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) JOSEPHINE S. WATERHOUSE, doing business also as Waterhouse Manufacturing Co. and as J. S. Waterhouse, Los Angeles, Calif. Filed Apr. 21, 1924.

WATMACO

Particular description of goods.—Revolving Drying Racks for Domestic Laundry Use.
Claims use since July, 1922.

Ser. No. 196,177. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORMAN L. MILES, St. Paul, Minn. Filed Apr. 26, 1924.



The red color shown on the specimens and likewise the words "Miles Candy" and "N. L. Miles Co. St. Paul, Minn." are disclaimed apart from the other features of the mark.
Particular description of goods.—Candy.
Claims use since Apr. 1, 1924.

Ser. No. 196,260. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SCHALK CHEMICAL CO., Los Angeles, Calif. Filed Apr. 28, 1924.

DOUBLE X

Particular description of goods.—Composition for Use as a Floor Cleaner.
Claims use since Mar. 27, 1924.

Ser. No. 196,797. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRIC OUTLET COMPANY, INC., New York, N. Y. Filed May 9, 1924.

Improver

Particular description of goods.—Connecters for Electric Wiring.
Claims use since Mar. 27, 1924.

Ser. No. 196,807. (CLASS 38. PRINTS AND PUBLICATIONS.) HARPER & BROTHERS, New York, N. Y. Filed May 9, 1924.

BLACK & WHITE

Trade-mark consists of the words "Black and White."
Particular description of goods.—Printed Books and Books in Series.
Claims use since about 1885.

Ser. No. 199,205. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ATLANTIC SALT CO., Boston, Mass. Filed June 27, 1924.

ATLANTIC



Particular description of goods.—Bathing Salt and Table Salt.
Claims use since Sept. 24, 1923.

Ser. No. 199,326. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUNKEL BROTHERS, INC., New York, N. Y. Filed June 28, 1924.



No claim is made to the words "Minute Chocolate" apart from the mark as shown in the drawing.
Particular description of goods.—Chocolate.
Claims use since about June 2, 1924.

Ser. No. 200,221. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARTHE RÉGNIER, Paris, France. Filed July 18, 1924.

ELLE A PASSÉ PAR ICI

Particular description of goods.—Perfumes.
Claims use since Apr. 4, 1924.

Ser. No. 201,436. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

Kurtrier

Particular description of goods.—Leaf Tobacco, Smoking Tobacco, Chewing Tobacco, Snuff, Cigars, Stogies, and Cigarettes.
Claims use since Nov. 8, 1921.

Ser. No. 201,437. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

„Neuerburg-Löwenbrück"

No claim is made to the word "Neuerburg" apart from the mark shown.
Particular description of goods.—Cigars, Cigarettes, Cigarillos, Raw Tobacco, Tobaccos for Chewing, Smoking, and Snuffing.
Claims use since June 11, 1908.

Ser. No. 201,440. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

Manengold

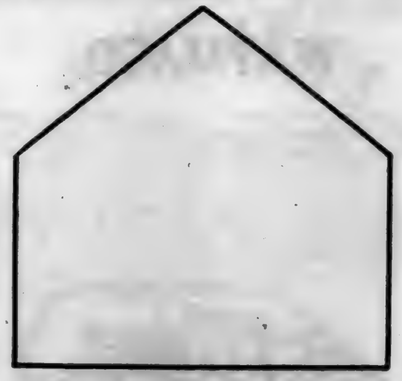
Particular description of goods.—Cigars, Stogies, Cigarettes, Raw Tobacco, and Tobaccos for Chewing, Smoking, and Snuffing.
Claims use since June 28, 1918.

Ser. No. 201,441. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

Güldenring

Particular description of goods.—Cigars, Stogies, Cigarettes, Raw Tobacco, Tobaccos for Chewing, Smoking, and Snuffing.
Claims use since June 28, 1918.

Ser. No. 201,445. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.



Particular description of goods.—Leaf Tobacco, Smoking Tobacco, Chewing Tobacco, Snuff, Cigars, Stogies, and Cigarettes.
Claims use since Oct. 31, 1908.

Ser. No. 201,448. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924.

Ravenklau

Particular description of goods.—Leaf Tobacco, Smoking Tobacco, Chewing Tobacco, Snuff, Cigars, Stogies, and Cigarettes.
Claims use since Nov. 28, 1913.

Ser. No. 201,558. (CLASS 11. INKS AND INKING MATERIALS.) EDWIN A. HESS, doing business as Hess Machine Company, Akron, Pa. Filed Aug. 18, 1924.

HESSCO

Particular description of goods.—Printing Ink.
Claims use since about June 2, 1924.

Ser. No. 202,436. (CLASS 38. PRINTS AND PUBLICATIONS.) EDWARD M. BROOMHALL, Harrisburg, Pa. Filed Sept. 10, 1924.

PONY NAME CARDS

No claim is made to the exclusive use of the words "Name Cards" apart from the mark as shown in the drawing.
Particular description of goods.—Name Cards.
Claims use since July 1, 1922.

Ser. No. 203,136. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MONTAGUE CITY ROD CO., Montague City, Mass. Filed Sept. 27, 1924.

RADIO

Trade-mark consists of the word "Radio."
Particular description of goods.—Fishing Rods and Reels.
Claims use since Aug. 1, 1922.

Ser. No. 203,409. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH ELLIS ARRAS, Jacksonville, Fla. Filed Oct. 4, 1924.

A

Particular description of goods.—Liver Salts.
Claims use since Jan. 1, 1924.

Ser. No. 204,419. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PRECISE MANUFACTURING CORPORATION, Rochester, N. Y. Filed Oct. 25, 1924.

Super-Multiformer

Particular description of goods.—Transformer Coils, Single Coils, Blocked Coils, Incased and Unincased Coils, Transformers, Audio-Frequency Transformers, Radio-Frequency Transformers, Air-Cored Transformers, Iron-Cored Transformers, Radio-Frequency Coils, Audio-Frequency Coils.
Claims use since July 26, 1924.

Ser. No. 204,865. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) STANDARD RADIO CORPORATION, Worcester, Mass. Filed Nov. 5, 1924.

Standardyne

Particular description of goods.—Complete Radio Receiving Sets.
Claims use since Apr. 29, 1924.

Ser. No. 205,082. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NORTHERN MONTANA ALFALFA GROWERS ASSOCIATION, Glasgow, Mont. Filed Nov. 10, 1924.



No claim is made to the words "Northern Montana Alfalfa Growers" and "Alfalfa Seed Brand" apart from the mark shown on the drawing.
Particular description of goods.—Alfalfa Seed.
Claims use since Sept. 1, 1924.

Ser. No. 205,111. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COPLAN STEEL CORPORATION, INC., Ogdensburg, N. Y. Filed Nov. 11, 1924.



No claim is made to the lining, which indicates the colors red and blue on the drawing.
Particular description of goods.—Castings and Forgings.
Claims use since July 10, 1924.

Ser. No. 205,115. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FEDERAL TELEGRAPH COMPANY, San Francisco, Calif. Filed Nov. 11, 1924.

Kolster

Trade-mark comprises a facsimile of a portion of the signature of Frederick A. Kolster, chief research engineer of the Federal Telegraph Co.
Particular description of goods.—Coils Used in Radio Apparatus.
Claims use since Sept. 10, 1924.

Ser. No. 205,200. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE COLUMBUS-UNION OIL CLOTH CO., Columbus, Ohio. Filed Nov. 13, 1924.

TRIM-TEX

Particular description of goods.—Leather-Simulating Cloth for Use in Connection with the Upholstering of Motor Vehicles, Vehicle Top Coverings, and Carriage Cloth.
Claims use since Nov. 1, 1924.

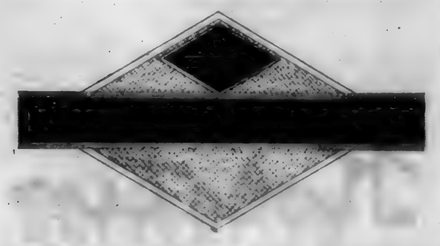
Ser. No. 205,230. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROYAL FEED & MILLING COMPANY, Memphis, Tenn. Filed Nov. 13, 1924.

SPRING MAID



Particular description of goods.—Stock Feed.
Claims use since November, 1923.

Ser. No. 205,243. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) HENRY C. THOMPSON, Hartford, Conn. Filed Nov. 13, 1924.



Trade-mark contains the colors blue and yellow, as shown by the color lines therein.
Particular description of goods.—Soaps, Especially Auto Soap and Hand Soap.
Claims use since Oct. 31, 1924.

Ser. No. 205,432. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE NEW BRITAIN MACHINE CO., New Britain, Conn. Filed Nov. 17, 1924.

NEW BRITAIN

NEW-MATIC

Particular description of goods.—Chucking and Screw Machines.
Claims use since Sept. 19, 1924.

Ser. No. 205,750. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) GILBERT & CO. INC., New York, N. Y. Filed Nov. 24, 1924.

BIRTHFLOWER

Trade-mark consists of the word "Birthflower."
Particular description of goods.—Compact Cases, Vanity Purses, Mesh Bags, Purses, Finger Rings, Bar Pins, Scarf Pins, Lockets, Bracelets, Watch Fobs, Watch Chains, Neck Chains, Key Chains, Earrings, Charms, Brooches, Lavallières, Pendants, Sautoirs, Cuff Links, Cuff Buttons, Vanity Cases, Cigarette Cases, All Made Either of Platinum, Gold, Silver, Either Solid or Plated; Flat Tableware—viz, Spoons, Forks, and Knives—Made of or Plated with Precious Metal; Flatware and Hollow Ware Either Plated with or of Solid Precious Metal.
Claims use since Nov. 9, 1924.

Ser. No. 205,775. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT PFALLER, doing business as Ludwig Heumann & Co. Chemisch-pharmaceutische Fabrik, Nuremberg, Germany. Filed Nov. 24, 1924.

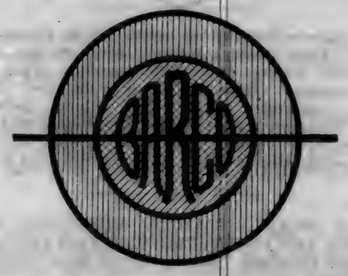


Rev. Pfarrer Heumann

Trade-mark consists of the portrait of Rev. Ludwig Heumann, deceased.
Particular description of goods.—Tablets, Pills, Lozenges, Powders, Tinctures, Mixtures, Elixirs, Extracts,

Potions, Infusions, Decoctions, Solutions, Jellies, and Teas for Internal and External Use in Treating and Healing Diseases of the Nervous System, the Respiration Organs, the Blood Circulation, the Digestive Organs, the Kidneys and Urinary Organs, the Skin, the Eyes, the Ears, the Throat, and the Teeth, Parasitic Diseases, Inflammations of All Kinds, Gout and Rheumatism, and for Foot and Children's Diseases.
Claims use since Jan. 2, 1916.

Ser. No. 205,783. (CLASS 37. PAPER AND STATIONERY.) B. A. BAILTON CO., Chicago, Ill. Filed Nov. 24, 1924.



In the drawing illustrating the trade-mark the shaded portion contained within the inner circle designates a black color and the shaded portion contained between the inner circle and the outer circle indicates a red color.
Particular description of goods.—Paper Items—Namely, Doilies, Manila Paper, Paper Napkins, Paper Towels, Waterproof Wrapping Paper, Wax Paper, and Wrapping Paper.
Claims use since about July, 1922.

Ser. No. 205,802. (CLASS 39. CLOTHING.) WUNDIE-WEAR COMPANY, Corpus Christi, Tex. Filed Nov. 24, 1924.

TIDY TEDS

Particular description of goods.—Children's Textile and Knitted Underwear.
Claims use since November, 1924.

Ser. No. 205,934. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MAHOLITH CARBON PAINT COMPANY INC., New York, N. Y. Filed Nov. 28, 1924.



Particular description of goods.—Dry, Paste, and Ready-Mixed Paint and Paint Enamels.
Claims use since about Jan. 1, 1895.

Ser. No. 206,222. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) CRANDALL PACKING COMPANY, Palmyra, N. Y. Filed Dec. 4, 1924.

REX REX REX REX

Particular description of goods.—Pump Valves and Sheet, Steam, Air, Ammonia, Water, and Oil Packing.
Claims use since 1911.

Ser. No. 206,235. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WILLIAM H. FRASER, doing business as Daven Radio Co., Newark, N. J. Filed Dec. 4, 1924.

DAVEN RADIO

No claim is made to the word "Radio" apart from the mark shown in the drawing.
Particular description of goods.—Resistance Units for Controlling Electric Circuits.
Claims use since May 1, 1923.

Ser. No. 206,252. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) A. MECKY COMPANY, Philadelphia, Pa. Filed Dec. 4, 1924.

SCOOTER-CYCLE

The word "Cycle" is disclaimed apart from the mark.
Particular description of goods.—Chain and Sprocket Operated Children's Bicycles.
Claims use since Nov. 29, 1924.

Ser. No. 206,335. (CLASS 12. CONSTRUCTION MATERIALS.) EPHRAIM BREVARD WALKER, Mobile, Ala. Filed Dec. 5, 1924.

Melis-Pined

Particular description of goods.—Wood Goods (Logs, Lumber, Piling, and Ties).
Claims use since Jan. 1, 1921.

Ser. No. 206,402. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. DURR PACKING CO., INC., Utica, N. Y. Filed Dec. 8, 1924.

C. A. DURR PACKING CO., Inc.
WHITE SWAN
PURE LARD
UTICA, NEW YORK

No claim is made to the exclusive right to the use of the words, "C. A. Durr Packing Co., Inc., Utica, New York, Pure Lard" apart from the mark shown in the drawing.

Particular description of goods.—Pure Lard.

Claims use since Oct. 1, 1911.

Ser. No. 206,556. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACORN INSULATED WIRE COMPANY, Brooklyn, N. Y. Filed Dec. 11, 1924.

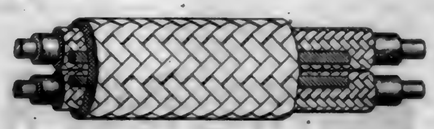


The mark consists of two parallel blue threads or strands in any one or more coverings enclosing one or more conductors. No claim being made herein to the representation of a section of wire.

Particular description of goods.—Insulated Electric Wires or Conductors.

Claims use since on or about Sept. 1, 1914.

Ser. No. 206,557. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ACORN INSULATED WIRE COMPANY, Brooklyn, N. Y. Filed Dec. 11, 1924.



No claim is made to the representation of a section of wire. The shade lines indicate the color green. The trade-mark consists of two threads or strands of the color green under the outer or common braid covering one or more conductors, positioned between said covering and the insulation in substantial parallelism with the conductor or conductors.

Particular description of goods.—Insulated Electric Wires or Conductors.

Claims use since on or about June 1, 1924.

Ser. No. 206,585. (CLASS 12. CONSTRUCTION MATERIALS.) NEW ORLEANS ROOFING & METAL CO., INC., New Orleans, La. Filed Dec. 11, 1924.

NORMCO

Particular description of goods.—Eaves Trough, Corrugated Steel Roofing, V-Crimp Steel Roofing, Plain-Roll Steel Roofing, Pressed-Standing-Seam Steel Roofing, Corrugated Ridge Roll, Plain Ridge Roll (Steel), Miters, Galvanized Steel; End Pieces, Galvanized Steel; Ornamental Steel Siding, and Cupola-Type Ventilators.

Claims use since 1914.

Ser. No. 206,630. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MADAM ELIZABETH NELSON, Detroit, Mich. Filed Dec. 12, 1924.

MADAM ELIZABETH NELSON



No claim is made to the words "Madam Elisabeth Nelson" except in the association shown. The portrait appearing is that of applicant.

Particular description of goods.—Hair Oils, Hair Greases, and Hair Wash, New and Useful Applications for the Cultivation, Development, and Growth of the Hair and General Treatment of the Scalp.

Claims use since Jan. 1, 1920.

Ser. No. 207,034. (CLASS 39. CLOTHING.) STAR-MAID DRESSES, INC., New York, N. Y. Filed Dec. 20, 1924.

STAR-MAID DRESSES



No claim is made to the exclusive use of the word "Dresses" apart from the mark as shown in the drawing.

Particular description of goods.—Dresses.

Claims use since Nov. 12, 1924.

Ser. No. 207,154. (CLASS 12. CONSTRUCTION MATERIALS.) STEVENS (INCORPORATED), Atlanta, Ga. Filed Dec. 23, 1924.

HyFRAX

Particular description of goods.—Fire Brick and Fire-Clay Shapes.

Claims use since Oct. 3, 1924.

Ser. No. 207,190. (CLASS 15. OILS AND GREASES.) HYGRADE OIL & FUEL CORPORATION, Buffalo, N. Y. Filed Dec. 24, 1924.

SUPER-GRADE

No claim is made to the exclusive use of the word "Grade" apart from the mark shown in the drawing.

Particular description of goods.—Gasoline, Lubricating Oils and Greases.

Claims use since Nov. 3, 1924.

Ser. No. 207,337. (CLASS 37. PAPER AND STATIONERY.) BAY WEST PAPER CO., Green Bay, Wis. Filed Dec. 29, 1924.

BAY WEST FOLDED DUBLTOWL

No claim is made to the word "Folded" apart from the mark as shown on the drawing, and no claim is made to the words "Double Towel."

Particular description of goods.—Paper Towels.

Claims use since July 1, 1924.

Ser. No. 207,426. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM B. WHEELER, Council Bluffs, Iowa. Filed Dec. 29, 1924.

WHEELER'S POISON WHEAT



No claim is made for the words "Wheeler's Poison Wheat" except in connection with the mark as shown.

Particular description of goods.—Rodent Poison.

Claims use since Nov. 16, 1922.

Ser. No. 207,550. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDERICK BRIGGS, Washington, D. C. Filed Jan. 2, 1925.

BRIGGS
MIRACLE
BRAND
DRIED BEEF, HAM, BACON, BACUN, AND BAKUN
NATURE'S OWN FLAVOR

"Briggs," "Brand," and "Nature's Own Flavor," "Dried Beef," "Ham," "Bacon," "Bacun," and "Bakun" all are disclaimed as a part of the mark.

Particular description of goods.—Chipped Beef, Dried Beef, Ham Sliced or in Bulk, Lunch Meat, Pork Sliced or in Bulk, Lunch Roll, Roast Corned Beef, Canned Corned Beef, Sausage, Cooked Ham in Bulk or Sliced, Baked Ham, Bacon, Bakun, and Bacun, Which Consists of Layers of Ground Fresh Pork Fat and Lean Subsequently Dried and Smoked.

Claims use since Dec. 3, 1924.

Ser. No. 207,889. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES ROSSBACH, doing business as Rossbach Mfg. Co., New York, N. Y. Filed Jan. 9, 1925.

ROSCO

Particular description of goods.—Electrical Batteries—Namely, Radiobatteries, Flash-Light Batteries, and Dry Cells.

Claims use since about Dec. 5, 1924.

Ser. No. 207,918. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CENTRAL RADIO LABORATORIES, Milwaukee, Wis. Filed Jan. 10, 1925.

Centralab

Particular description of goods.—Radio Signaling Apparatus and Parts Thereof, Comprising Condensers, Grid Leaks, Potentiometers, Rheostats, Vacuum Tube Detectors, Switch Arms and Levers, Transformers, and Tuners.

Claims use since July 1, 1924.

Ser. No. 208,033. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ARNOLD, CONSTABLE & CO., New York, N. Y. Filed Jan. 13, 1925.

Ariadne

Particular description of goods.—Artificial Pearls for Personal Adornment, Necklaces, Chokers, Finger Rings, Bracelets, Bandeaux, Buckles of Precious Metals, and Ladies' Hand Bags of Precious Metal for Personal Wear.

Claims use since Dec. 1, 1924.

Ser. No. 208,050. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) M. HOHNER, INC., New York, N. Y. Filed Jan. 13, 1925.

Song Bird

Particular description of goods.—Mouth Harmonicas.
Claims use since Dec. 29, 1924.

Ser. No. 208,445. (CLASS 39. CLOTHING.) ALWARD MFG. COMPANY, Chicago, Ill. Filed Jan. 22, 1925.



CANVASBACK

Particular description of goods.—Hunting Coats, Vests, Pants, Caps, and Hats Made of Textile and Leather Materials.
Claims use since Jan. 1, 1924.

Ser. No. 208,622. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. SWALL & SONS, Tulare, Calif. Filed Jan. 24, 1925.

Western

Particular description of goods.—Fresh Deciduous Fruits—Namely, Prunes.
Claims use since about 1915.

Ser. No. 208,836. (CLASS 39. CLOTHING.) JOSEPH VAN COLLOM, doing business as Van Co., Baltimore, Md. Filed Jan. 29, 1925.

The Van Co.

The representation of a derby as shown in the drawing in the case is hereby disclaimed apart from the mark shown.
Particular description of goods.—Dress, Negligee, and Work Shirts; Textile Underwear, Scarfs, Cravats, and Collars, Pyjamas, Hosiery, Dressing Robes, Hats, Caps, for Men, Women, and Children, and Sweaters.
Claims use since Jan. 8, 1918.

Ser. No. 208,854. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) KNOT MFG. CO., Philadelphia, Pa. Filed Jan. 30, 1925.

KNOT

Particular description of goods.—Furniture Polish.
Claims use since about Sept. 15, 1924.

Ser. No. 208,915. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LUSTRENE NAST & CO., New York, N. Y. Filed Jan. 31, 1925.

LUSTRAY

Particular description of goods.—Imported English Broadcloth, of Cotton, Silk, or Mixtures Thereof in the Piece.
Claims use since 1923.

Ser. No. 208,941. (CLASS 39. CLOTHING.) LEWIS M. WEED CO. INC., Binghamton, N. Y. Filed Jan. 31, 1925.

The Feather

The lining on the drawing in this case is meant for shading only, color not being material in this mark. Color is hereby disclaimed.
Particular description of goods.—Coats, Blouses, Vests, Trousers, Breeches, Hats, and Caps for Men, Women, and Children, Such as are Used by Hunters, Fishermen, and Tourists.
Claims use since Dec. 1, 1924.

Ser. No. 208,949. (CLASS 12. CONSTRUCTION MATERIALS.) THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y. Filed Feb. 2, 1925.



No claim is made to the words "Wallboard" and "Black Centre" apart from the mark shown in the drawing.
Particular description of goods.—Wall Board and Building Paper.
Claims use since Oct. 15, 1915.

Ser. No. 209,036. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) HEINRICH BIEBLING G. M. B. H., Dresden, Germany. Filed Feb. 3, 1925.

Oscaria

Particular description of goods.—Leather Goods—Namely, Chrome-Tanned Leather.
Claims use since August, 1898.

Ser. No. 209,037. (CLASS 38. PRINTS AND PUBLICATIONS.) A. B. HIRSCHFELD, doing business as The A. B. Hirschfeld Press, Denver, Colo. Filed Feb. 3, 1925.

ACTION

Applicant disclaims any and all intention to secure registration for the words "Advertising" and "Printing" which appear on the drawing.
Particular description of goods.—Periodical Publication.
Claims use since Jan. 1, 1924.

Ser. No. 209,085. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ALBERT HANSON, Huddersfield, England. Filed Feb. 4, 1925.

SONELLA

Particular description of goods.—Preparation of Resin Prepared Especially for Use with Stringed Musical Instruments.
Claims use since May 13, 1920.

Ser. No. 209,111. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. B. SWEENEY, doing business as Sweeney Coffee Company, Lexington, Ky. Filed Feb. 4, 1925.

BLUE GRASS QUEEN

Particular description of goods.—Coffee.
Claims use since Jan. 4, 1925.

Ser. No. 209,357. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE KOLYNOS COMPANY, New Haven, Conn. Filed Feb. 10, 1925.



The lining of drawing indicates colors green and yellow. The carton as such, together with all of the reading matter shown with the exception of the words "Kolynos. Captive Cap" and the name of the applicant, is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Dental Cream.
Claims use since Nov. 29, 1924.

Ser. No. 209,364. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) QUAKER CITY PAPER BOX COMPANY, INC., Philadelphia, Pa. Filed Feb. 10, 1925.

PYRODYNE RADIO
G. A. BISLER JR. Pres.
QUAKER CITY PAPER BOX CO. PHILA. PA.

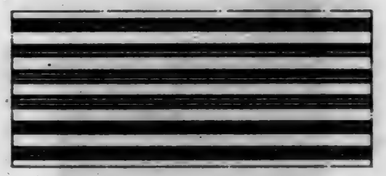
No claim is made herein apart from the mark shown in the drawing to the words "Radio. G. A. Bisler, Jr., Pres." and "Quaker City Paper Box Co., Phila., Pa."
Particular description of goods.—Radio Receiving Sets.
Claims use since Jan. 5, 1925.

Ser. No. 209,531. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THOMAS M. FERGUSON, doing business as T. M. Ferguson & Co., Mecca, Calif. Filed Feb. 13, 1925.

MEC-VEN

Particular description of goods.—Mineral Fluids, Powders, and Salves for Rheumatism, Lumbago; Stomach, Kidney, and Bladder Troubles; Pyorrhea, and Catarrh.
Claims use since March, 1919.

Ser. No. 209,583. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NATIONAL CARBON COMPANY, INC., New York, N. Y. Filed Feb. 14, 1925.



Trade-mark consists of groups of parallel indentations formed in the surface of the body of the flash-light casing and arbitrarily spaced thereon.

Particular description of goods.—Battery Flash Lights and Casings Therefor.

Claims use since Sept. 1, 1923.

Ser. No. 209,606. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) AMERICAN GRINDER MFG. CO., Milwaukee, Wis. Filed Feb. 16, 1925.

BLACKHAWK
SCOUT

Particular description of goods.—Water-Circulating Pumps.

Claims use since Jan. 20, 1925.

Ser. No. 209,633. (CLASS 39. CLOTHING.) FLANNOCRAT MFG. CO., Buffalo, N. Y. Filed Feb. 16, 1925.

Flanno-Knit

The word "Knit" appearing on the drawing is hereby disclaimed apart from the mark as shown.

Particular description of goods.—Garment Known as Sport Blouse Worn by Men, Women, and Children, a Combination of Flannel Material and Knitted Yarn.

Claims use since Mar. 1, 1924.

Ser. No. 209,707. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STERILE PRODUCTS CO., San Diego, Calif. Filed Feb. 16, 1925.

STERODENT

The lines on the drawing indicate the color blue, and the letters, diamond outline, and rectangular outline are white.

Particular description of goods.—Tooth Paste.

Claims use since Nov. 15, 1924.

Ser. No. 209,729. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) NORMAN S. GOLDBERGER, doing business as Fidelio Brewery, New York, N. Y. Filed Feb. 17, 1925.



The word "Brand" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Malt Cereal Beverages Sold as Soft Drinks.

Claims use since about July 1, 1896.

Ser. No. 209,783. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) GAROD CORPORATION, Newark, N. J. Filed Feb. 18, 1925.

GAYROD

Particular description of goods.—Radio Apparatus, Parts, and Appurtenances—Namely, Radio Receiving, Detecting, and Transmitting Sets, Sound-Amplifying Horns Having Telephone Receivers, Loud Speakers, Loops, Microphones, Radio Receiving Sets Mounted or Contained in Cabinets with Talking Machines, Radio Receiving Sets Adapted for Combination with Talking Machines, Radio Receiving Sets Wherein Parts of Talking Machines are Used as Parts of Radio Sets, Wherein Talking Machines are Used as Loud Speakers, and Wherein the Sound-Amplifying Horns of Talking Machines are Provided with Telephone Receivers, and Microphones and Parts Thereof.

Claims use since Feb. 6, 1925.

Ser. No. 209,862. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RICHARD H. OAKLEY, doing business as Oakley Paint Manufacturing Co., Los Angeles, Calif. Filed Feb. 19, 1925.



The proper name "Oakley" is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Dry, Paste, and Ready-Mixed Paint; Oils for Painters' Use and for Use in the Making of Paint, Varnish, Paint Enamels, Calcimine, Paint Remover, and Shingle Stain.

Claims use since January, 1923.

Ser. No. 209,877. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) CECIL W. SOCKETT, Los Angeles, Calif. Filed Feb. 19, 1925.



The word "Gloss" is hereby disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints; Enamels in the Nature of Paints, Varnishes, and Paint Remover.

Claims use since May 20, 1924.

Ser. No. 209,890. (CLASS 37. PAPER AND STATIONERY.) HENRY HOLMES WOODWARD, Conway, S. C. Filed Feb. 19, 1925.



The word "Blank" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Legal Blanks and Commercial Forms.

Claims use since Jan. 6, 1923.

Ser. No. 209,935. (CLASS 37. PAPER AND STATIONERY.) WESTFIELD RIVER PAPER COMPANY, INC., Russell, Mass. Filed Feb. 20, 1925.

Nufoil

Particular description of goods.—Wrapping Paper.

Claims use since about Sept. 15, 1924.

Ser. No. 210,035. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) BELLE CITY MANUFACTURING COMPANY, Racine and Racine Junction, Wis. Filed Feb. 24, 1925.



The words "Belle City M'f'g. Co." and "Racine, Wis. U. S. A." are disclaimed apart from the mark as shown.

Particular description of goods.—Threshing Machinery, Tractors, Silo Fillers, and Feed Cutters.

Claims use since July 1, 1892.

Ser. No. 210,055. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FULLERTON ELECTRIC CO. INC., New York, N. Y. Filed Feb. 24, 1925.

FULL-O-LITE

Particular description of goods.—Inclosed Electric-Light Units.

Claims use since Jan. 31, 1925.

Ser. No. 210,139. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE PALMOLIVE COMPANY, Chicago, Ill. Filed Feb. 25, 1925.

ROSEDALE

Particular description of goods.—Toilet and Shaving Soaps in Solid, Liquid, and Powdered Form.

Claims use since Dec. 23, 1924.

Ser. No. 210,184. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. R. RAMEY, Shawnee, Okla. Filed Feb. 26, 1925. Trade-mark "Sirene."

SYRENE

Particular description of goods.—Liniment Used for External Purposes Only, for Lumbago, Rheumatism, Headache, Neuralgia, Any Ache or Pain, Stiff or Swollen Joints, and Eczema.

Claims use since June 20, 1923.

Ser. No. 210,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) H. A. METZ & CO., INC., New York, N. Y. Filed Feb. 27, 1925.

LEONIL

Particular description of goods.—Compositions for Use in Carbonizing Wool, for Protecting Wool Fabrics Against Injurious Effects During Dyeing, Fulling, and Finishing Operations, and for Addition to Dyeing Baths to Improve the Same and the Wool or Woolen Goods.

Claims use since about Dec. 8, 1924.

Ser. No. 210,275. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE J. B. BURWELL SUPPLY COMPANY, Oklahoma City, Okla. Filed Feb. 28, 1925.



No claim is made to the exclusive use of the words "Inner Tubes" or to the representation of an inner tube apart from the mark shown on the drawing.

Particular description of goods.—Rubber Inner Tubes for Automobile Tires.

Claims use since Feb. 13, 1925.

Ser. No. 210,327. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) TILLMAN & BENDEL, INC., San Francisco, Calif. Filed Feb. 28, 1925. Under ten-year proviso.



The oblique lining denotes the color green, the vertical lining denotes the color red, and the dotted lining denotes the color gold.

Particular description of goods.—Tea, Coffee, Spices, Food-Flavoring Extracts and Compounds, Peanut Butter, Fruit Preserves, Jelly, Olive Oil, Mayonnaise, Catchup, Vinegar, Table Sirup, Garlic Salt, Canned Clams, and Birdseed.

Claims use since about 1894.

Ser. No. 210,369. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 2, 1925.

NESTOR

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Panels, Transformers, Tuning Units, Plugs, Variable Condensers, Jacks, Dials, and Sockets.

Claims use since Jan. 15, 1925.

Ser. No. 210,375. (CLASS 32. FURNITURE AND UPHOLSTERY.) EDWARD P. FARRELL, Toledo, Ohio. Filed Mar. 2, 1925.

SIT 'O' SLEEP

Particular description of goods.—Household Seats, Chairs, Lounges, Couches, Davenports, and Frames Therefor.

Claims use since Feb. 21, 1925.

Ser. No. 210,401. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) A. H. PATTERSON, Stockton, Calif. Filed Mar. 2, 1925.



No claim is made to the exclusive right to the use of the word "Radio" or the words "Distance with Ease" apart from the mark as shown.

Particular description of goods.—Radio Receiving Sets.

Claims use since Feb. 16, 1925.

Ser. No. 210,442. (CLASS 37. PAPER AND STATIONERY.) JOHN D. CARDINELL, doing business as Cardinell-Sales Company, Montclair, N. J. Filed Mar. 3, 1925.

Eradopen

Particular description of goods.—Device in the Form of a Fountain Pen Having Therein a Container for a Fluid Ink Eradicator.

Claims use since Feb. 11, 1925.

Ser. No. 210,622. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) ROESCH ENAMEL RANGE COMPANY, Belleville, Ill. Filed Mar. 6, 1925.



The lining appears on the drawing to indicate shading. No claim is herein made to "Porcelain Ranges, Roesch Enamel Range Co., Belleville, Ill., Roesch" apart from the mark shown.

Particular description of goods.—Coal, Gas, and Combination Ranges and Stoves.

Claims use since about 1921.

Ser. No. 210,633. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) ROBERT J. VAUGHAN, doing business as Children's Clinical Laboratory, Baker, Oreg. Filed Mar. 6, 1925.



Applicant disclaims the exclusive right to use the words "For Teeth and Gums."

Particular description of goods.—Oral Applicators.

Claims use since Jan. 1, 1925.

Ser. No. 210,634. (CLASS 15. OILS AND GREASES.) VIOLETTE M. VOLZ, Denver, Colo. Filed Mar. 6, 1925.

Violette's

Particular description of goods.—Hand-Decorated Candles.

Claims use since Oct. 1, 1924.

Ser. No. 210,663. (CLASS 37. PAPER AND STATIONERY.) EVA MAUDE HOWELL, Danville, W. Va. Filed Mar. 7, 1925.



Trade-mark consists of the word "Protex" in combination with the representation of a shield.

Particular description of goods.—Sanitary Seats and Covers for Commodes, Bedpans, and Toilets.

Claims use since Feb. 2, 1925.

Ser. No. 210,672. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) LAVO COMPANY OF AMERICA, Milwaukee, Wis. Filed Mar. 7, 1925.



The lining on the drawing is merely for the purpose of shading.

Particular description of goods.—Soap, Soap Chips, Scouring Powder, and Washing Powder.

Claims use since June 21, 1881.

Ser. No. 210,720. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) EASTERN COIL CORP., New York, N. Y. Filed Mar. 9, 1925.

EASTERN
Pickle-Bottle
COILS

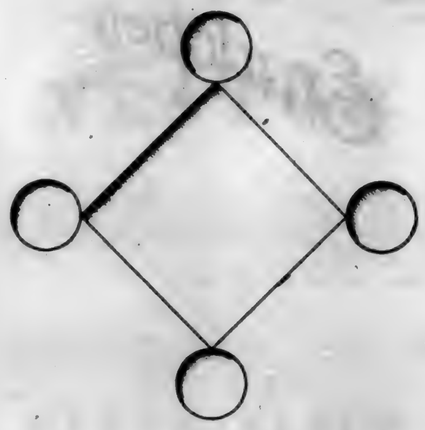
No claim is made to the word "Coils" apart from the mark shown in the drawing.
Particular description of goods.—Induction Coils.
Claims use since July, 1924.

Ser. No. 210,726. (CLASS 39. CLOTHING.) GOTTLIEB & SPAR, New York, N. Y. Filed Mar. 9, 1925.



The words "The Youthful Dress for the Larger Miss" and "Avondale" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Ladies', Misses', and Children's Dresses.
Claims use since Jan. 1, 1925.

Ser. No. 210,729. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) HARRIS STEINMETZ & Co., San Francisco, Calif. Filed Mar. 9, 1925.



Particular description of goods.—Brooches, Bar Pins, Pendants, Finger Rings, Bracelets, and Scarf Pins.
Claims use since Aug. 25, 1924.

Ser. No. 210,756. (CLASS 15. OILS AND GREASES.) RICHARDSON LUBRICATING COMPANY, Quincy, Ill. Filed Mar. 9, 1925.



The drawing is lined to indicate the colors red and blue. The word "Richardson's" is disclaimed apart from the mark as shown.
Particular description of goods.—Automobile Oil.
Claims use since Jan. 1, 1905.

Ser. No. 210,821. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ADVANCE RADIO RESEARCH LABORATORIES, New York, N. Y. Filed Mar. 11, 1925.

RADIO
ADVANCE

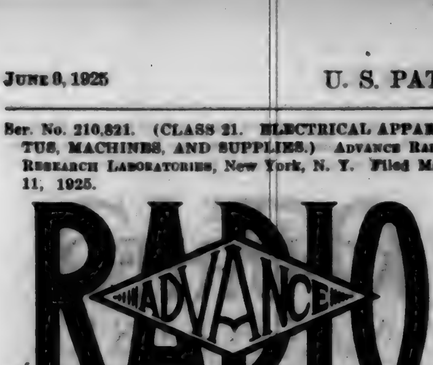
The word "Radio" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Complete Radio Receiving Sets and Parts thereof.
Claims use since October, 1922.

Ser. No. 210,822. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE AMERICAN WIREMOLD COMPANY, Hartford, Conn. Filed Mar. 11, 1925.

ROCKRIB

Particular description of goods.—Insulated Electric Wires.
Claims use since Nov. 5, 1924.

Ser. No. 210,831. (CLASS 2. RECEPTACLES.) CROWN WILLAMETTE PAPER COMPANY, San Francisco, Calif. Filed Mar. 11, 1925.



Particular description of goods.—Paper Bags.
Claims use since Dec. 5, 1924.

Ser. No. 210,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEF HEROK, doing business as Unternehmung für Industriegründungen Ihg. J. Herok, Vienna, Austria. Filed Mar. 11, 1925.

SAND-BANUM

Particular description of goods.—Chemical Products Employed in Technics—Namely, Boiler Compounds (Disincrustants).
Claims use since June 1, 1924.

Ser. No. 210,851. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) OTTO F. LOUIS, doing business as Louis Drug Co., Bay City, Mich. Filed Mar. 11, 1925.

LOUIS'
JIFFY

No claim is made to the word "Louis" apart from the mark shown on the drawing.
Particular description of goods.—Dry Cleaner.
Claims use since Jan. 4, 1923.

Ser. No. 210,859. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SCOTT LOGAN MILLING CO., Sheldon, Iowa. Filed Mar. 11, 1925.



No claim is made to the words "Farmers Elev" except in connection with the balance of the mark.
Particular description of goods.—Wheat Flour.
Claims use since Jan. 1, 1925.

Ser. No. 210,869. (CLASS 12. CONSTRUCTION MATERIALS.) THE WILLIAMSON VENEER COMPANY, Baltimore, Md. Filed Mar. 11, 1925.

TRUMAH

Particular description of goods.—Lumber and Veneers.
Claims use since about Aug. 1, 1924.

Ser. No. 210,870. (CLASS 12. CONSTRUCTION MATERIALS.) THE WILLIAMSON VENEER COMPANY, Baltimore, Md. Filed Mar. 11, 1925.

YEMOKE

Particular description of goods.—Lumber and Veneers.
Claims use since about Aug. 1, 1924.

Ser. No. 210,871. (CLASS 12. CONSTRUCTION MATERIALS.) THE WILLIAMSON VENEER COMPANY, Baltimore, Md. Filed Mar. 11, 1925.

MAHBAN

Particular description of goods.—Lumber and Veneers.
Claims use since about Aug. 1, 1924.

Ser. No. 210,872. (CLASS 12. CONSTRUCTION MATERIALS.) THE WILLIAMSON VENEER COMPANY, Baltimore, Md. Filed Mar. 11, 1925.

CORBAN

Particular description of goods.—Lumber and Veneers.
Claims use since about Aug. 1, 1924.

Ser. No. 210,881. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) BUFFALO SPECIALTY COMPANY, Buffalo, N. Y. Filed Mar. 12, 1925.

FLYDENDE FINER

The Danish words "Flydende Finer" are the equivalent of the English words liquid veneer.
Particular description of goods.—Polishing Liquids for Woodwork and Enameled Surfaces, Possessing the Incidental Properties of a Cleaner.
Claims use since January, 1922.

Ser. No. 210,895. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) E-Z TOON RADIO CO., Indianapolis, Ind. Filed Mar. 12, 1925.

E-Z-TOON

Particular description of goods.—Adjusting Dials for Radio Instruments.
Claims use since December, 1922.

Ser. No. 210,906. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) KAHRE MANUFACTURING COMPANY, Kansas City, Kans. Filed Mar. 12, 1925.

plato

Particular description of goods.—Preparation for Cleaning False Teeth.
Claims use since Jan. 1, 1925.

Ser. No. 210,949. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) C. BRUNO & SON, INC., New York, N. Y. Filed Mar. 13, 1925.

GOLDEN ROD

Particular description of goods.—Banjos, Mandolins, Guitars, Ukuleles, and Banjo Ukuleles.
Claims use since Feb. 20, 1925.

Ser. No. 211,023. (CLASS 38. PRINTS AND PUBLICATIONS.) EMPIRE PUBLISHING COMPANY, INCORPORATED, Atlanta, Ga. Filed Mar. 14, 1925.

THE KOURIER MAGAZINE

No claim is made to the exclusive use of the word "Magazine" apart from the mark shown.
Particular description of goods.—Monthly Magazine.
Claims use since Mar. 1, 1925.

Ser. No. 211,042. (CLASS 37. PAPER AND STATIONERY.) THE JOHN LESLIE PAPER COMPANY, Minneapolis, Minn. Filed Mar. 14, 1925.



RHINOROP

The words "As Tough as a Rhino's Hide, as Strong as a Sisal Rope" are hereby disclaimed.
Particular description of goods.—Wrapping Paper.
Claims use since on or about Nov. 12, 1924.

Ser. No. 211,047. (CLASS 17. TOBACCO PRODUCTS.) PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Mar. 14, 1925.

BAZAAR

Particular description of goods.—Cigarettes.
Claims use since about Feb. 27, 1925.

Ser. No. 211,048. (CLASS 17. TOBACCO PRODUCTS.) PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Mar. 14, 1925.

Penbarry

Particular description of goods.—Cigarettes.
Claims use since about Feb. 27, 1925.

Ser. No. 211,049. (CLASS 17. TOBACCO PRODUCTS.) PENN TOBACCO COMPANY, Wilkes-Barre, Pa. Filed Mar. 14, 1925.

CLEO

Particular description of goods.—Cigarettes.
Claims use since about Feb. 27, 1925.

Ser. No. 211,050. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PHELPS & SIBLEY CO. INC., Cuba, N. Y. Filed Mar. 14, 1925.

MON-E-MAKER

Particular description of goods.—Dairy and Poultry Foods.
Claims use since August, 1923.

Ser. No. 211,064. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) STEEL PRODUCTS MANUFACTURING COMPANY, Westfield, Mass. Filed Mar. 14, 1925.

SONG BIRD TRADE PHONOGRAPH MARK Needles of Quality

No claim is made to the words "Trade-Mark," "Phonographs" and "Needles of Quality" apart from the mark shown in the drawing.
Particular description of goods.—Phonograph Needles.
Claims use since about Mar. 10, 1925.

Ser. No. 211,072. (CLASS 12. CONSTRUCTION MATERIALS.) ALGOMA PANEL CO., Algoma, Wis. Filed Mar. 16, 1925.



Particular description of goods.—Panels and Wood Veneer.
Claims use since 1922.

Ser. No. 211,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUEHLER BROTHERS, INC., Chicago, Ill. Filed Mar. 16, 1925.



Particular description of goods.—Nut Oleomargarine.
Claims use since February, 1921.

Ser. No. 211,084. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) GEORGE W. DUNHAM CORPORATION, Utica, N. Y. Filed Mar. 16, 1925.

WHIRL-E-DRY

Particular description of goods.—Laundry Washing and Drying Machines and Parts and Appliances Therefor.
Claims use since Mar. 1, 1925.

Ser. No. 211,257. (CLASS 38. PRINTS AND PUBLICATIONS.) CITIZENS RADIO SERVICE BUREAU, Chicago, Ill. Filed Mar. 19, 1925.

CITIZENS RADIO CALL BOOK

Particular description of goods.—Radio Call Book in Magazine Form (Periodical Issued Twice Yearly in Spring and Autumn).
Claims use since Nov. 1, 1922.

Ser. No. 211,472. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE HINSON MFG. COMPANY, Waterloo, Iowa. Filed Mar. 23, 1925.

NO. 900 SUPERFINE

The word "Superfine" is disclaimed apart from the mark shown. Trade-mark consists of the words and numeral "No. 900 Superfine."
Particular description of goods.—Tire Covers.
Claims use since May 1, 1921.

Ser. No. 211,548. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE A. SPENCER, Placerville, Calif. Filed Mar. 24, 1925.

AIRDALE

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears, Peaches, Plums, and Apples—and Fresh Grapes.
Claims use since Aug. 11, 1917.

Ser. No. 211,567. (CLASS 39. CLOTHING.) REINHARD E. BARTELS, doing business as Keystone Sole & Shank Co., Lynn, Mass. Filed Mar. 25, 1925.

KEYSSCO

Particular description of goods.—Shoe Shanks for Boots and Shoes.
Claims use since on or about Sept. 1, 1924.

Ser. No. 211,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BEHRENS DRUG COMPANY, Waco, Tex. Filed Mar. 25, 1925.



The words "Justice Before Profit," "Waco, Texas," "Behrens," and "Behrens Drug Co." are disclaimed apart from the remainder of the mark shown in the drawing. The drawing is lined to indicate the color blue.
Particular description of goods.—Spirit of Niter, Spirit of Camphor, Spirit of Turpentine, Spirit of Ammonia, Calomel, Carbolic Acid, Sassafras Bark, Castor Oil, Cream Tartar, Epsom Salts, Tincture Iron Chloride, Paregoric, Tincture Arnica, Tincture Iodine, Peppermint Essence, Chloroform, Glycerin, Larkspur Lotion, Cascara, Baume Tranquilli for Treatment of Earache, Camphorated Oil, Glycerin and Rose Water, Olive Oil for Medicinal Purposes, Denatured Alcohol, Witch-Hazel, Bay Rum, Ammonia, Mineral Oil for Lubrication of the Human Intestinal Tract, Potassium Permanganate, Alum Powder, Prepared White Chalk for Toilet Purposes and Dental Use, Saltpeter, Salicylic Acid, Pumice Powder, Copperas, Sage Powder, Nux Vomica, Alum in Lump Form, Rochelle Salts, Boric Acid, Lead Acetate, Oxalic Acid, Flower of Sulphur, Bluestone (Vitrolo Azul), Flaxseed Meal for Medicinal Purposes, Bicarbonate of Soda, Borax Powder, Senna, Moth Balls.
Claims use since May 1, 1924.

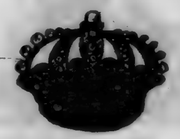
Ser. No. 211,569. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BOMBERGER AND WENTWORTH, Cincinnati, Ohio. Filed Mar. 25, 1925.

Grandtone

Particular description of goods.—Radio Head Sets, Radio Receiving Sets, Radio Loud-Speaker Units, Radiocoils, Variometers, Condensers, Radiopanels, and Antennæ Used in Wireless Telephony and Telegraphy.
Claims use since Mar. 9, 1925.

Ser. No. 211,635. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED HARDWARE & TOOL CORPORATION, New York, N. Y. Filed Mar. 25, 1925.

CROWN BRAND



No claim is made to the exclusive use of the word "Brand" apart from the mark shown.
Particular description of goods.—Abrasive Cloths and Papers.
Claims use since 1924.

Ser. No. 211,639. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES F. WAGNER, doing business as Piccadilly Fizz Co., Los Angeles, Calif. Filed Mar. 25, 1925.



The descriptive word "Fizz" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Extracts and Sirups for Making the Same.
Claims use since Oct. 20, 1924.

Ser. No. 211,644. (CLASS 38. PRINTS AND PUBLICATIONS.) ROSS WILES, doing business as Vital Food Company, Los Angeles, Calif. Filed Mar. 25, 1925.

Radiant Health

Particular description of goods.—Periodical Publication.
Claims use since February, 1924.

Ser. No. 211,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY K. HEDGES, Los Angeles, Calif. Filed Mar. 26, 1925.

DRINK-A-MEAL

Particular description of goods.—Pulverized Granular Compound, the Principal Ingredients Being Dry Barley Malt, Dry Milk, Dry Egg Albumen, and a Suitable Flavoring Extract, Which Compound is Mixed with Hot or Cold Water.
Claims use since Jan. 1, 1925.

Ser. No. 211,774. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM BANCROFT, doing business as F. J. Bancroft Company, Pawtucket, R. I. Filed Mar. 28, 1925.



No claim is made to the words "Used the World Over" and the representation of a tennis racket aside from the mark shown.
Particular description of goods.—Tennis Racket.
Claims use since Jan. 1, 1925.

Ser. No. 211,775. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LUDWIG BAUMANN & Co., New York, N. Y. Filed Mar. 28, 1925.

SELECTO-DYNE

Particular description of goods.—Radio Receiving Sets.
Claims use since Feb. 1, 1925.

Ser. No. 211,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL PRODUCE PACKERS, El Centro, Calif. Filed Mar. 28, 1925.

BLAZON

Particular description of goods.—Fresh Vegetables, Fresh Grapes, Cantaloupe Melons, Fresh Deciduous Fruits, and Fresh Citrous Fruits.
Claims use since Mar. 11, 1925.

Ser. No. 211,796. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MICHAEL MORRIS, Brooklyn, N. Y. Filed Mar. 28, 1925.

EVERADIO

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since about Jan. 1, 1925.

Ser. No. 211,836. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 30, 1925.

Scotch Downs

No claim is made to the word "Scotch" apart from the trade-mark as a whole.
Particular description of goods.—Clothing—Namely, Men's Overcoats, Topcoats, and Raincoats and Similar Coats for Women and Children.
Claims use since July 1, 1924.

Ser. No. 211,838. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 30, 1925.

Broadmoor Stripe

No claim is made to the word "Stripe" apart from the trade-mark as a whole.
Particular description of goods.—Clothing—Namely, Men's Coats, Vests, Pants, Knickerbockers, Overcoats, and Topcoats, and Coats and Knickerbockers for Women and Children.
Claims use since July 1, 1924.

Ser. No. 211,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. THE HORLACHER BREWING CO., INC., doing business as The Horlacher Co., Allentown, Pa. Filed Mar. 30, 1925.

PUR OX

Particular description of goods.—Sirup for Flavoring Ices, Puddings, Sundaes, or Sherbets.
Claims use since May, 1914.

Ser. No. 211,543. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE A. SPENCER, Placerville, Calif. Filed Mar. 24, 1925.

AIRDALE

Particular description of goods.—Fresh Deciduous Fruits—Namely, Pears, Peaches, Plums, and Apples—and Fresh Grapes.
Claims use since Aug. 11, 1917.

Ser. No. 211,567. (CLASS 39. CLOTHING.) REINHARD E. BARTELS, doing business as Keystone Sole & Shank Co., Lynn, Mass. Filed Mar. 25, 1925.

KEYSSCO

Particular description of goods.—Shoe Shanks for Boots and Shoes.
Claims use since on or about Sept. 1, 1924.

Ser. No. 211,568. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE BEHRENS DRUG COMPANY, Waco, Tex. Filed Mar. 25, 1925.



The words "Justice Before Profit," "Waco, Texas," "Behrens," and "Behrens Drug Co." are disclaimed apart from the remainder of the mark shown in the drawing. The drawing is lined to indicate the color blue.
Particular description of goods.—Spirit of Niter, Spirit of Camphor, Spirit of Turpentine, Spirit of Ammonia, Calomel, Carbolic Acid, Sassafras Bark, Castor Oil, Cream Tartar, Epsom Salts, Tincture Iron Chloride, Paregoric, Tincture Arnica, Tincture Iodine, Peppermint Essence, Chloroform, Glycerin, Larkspur Lotion, Cascara, Baume Tranquilli for Treatment of Earache, Camphorated Oil, Glycerin and Rose Water, Olive Oil for Medicinal Purposes, Denatured Alcohol, Witch-Hazel, Bay Rum, Ammonia, Mineral Oil for Lubrication of the Human Intestinal Tract, Potassium Permanganate, Alum Powder, Prepared White Chalk for Toilet Purposes and Dental Use, Saltpeter, Salicylic Acid, Pumice Powder, Copperas, Sage Powder, Nux Vomica, Alum in Lump Form, Rochelle Salts, Boric Acid, Lead Acetate, Oxalic Acid, Flower of Sulphur, Bluestone (Vitrolo Azul), Flaxseed Meal for Medicinal Purposes, Bicarbonate of Soda, Borax Powder, Senna, Moth Balls.
Claims use since May 1, 1924.

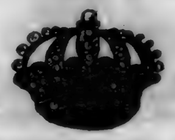
Ser. No. 211,569. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BONDREE AND WENTWORTH, Cincinnati, Ohio. Filed Mar. 25, 1925.

Grandtone

Particular description of goods.—Radio Head Sets, Radio Receiving Sets, Radio Loud-Speaker Units, Radiocoils, Variometers, Condensers, Radiopanels, and Antennæ Used in Wireless Telephony and Telegraphy.
Claims use since Mar. 9, 1925.

Ser. No. 211,635. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) UNITED HARDWARE & TOOL CORPORATION, New York, N. Y. Filed Mar. 25, 1925.

CROWN BRAND



No claim is made to the exclusive use of the word "Brand" apart from the mark shown.
Particular description of goods.—Abrasive Cloths and Papers.
Claims use since 1924.

Ser. No. 211,639. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES F. WAGNER, doing business as Piccadilly Fizz Co., Los Angeles, Calif. Filed Mar. 25, 1925.



The descriptive word "Fizz" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Extracts and Sirups for Making the Same.
Claims use since Oct. 20, 1924.

Ser. No. 211,644. (CLASS 38. PRINTS AND PUBLICATIONS.) ROSS WILKE, doing business as Vital Food Company, Los Angeles, Calif. Filed Mar. 25, 1925.

Radiant Health

Particular description of goods.—Periodical Publication.
Claims use since February, 1924.

Ser. No. 211,682. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY K. HEDGES, Los Angeles, Calif. Filed Mar. 26, 1925.

DRINK-A-MEAL

Particular description of goods.—Pulverized Granular Compound, the Principal Ingredients Being Dry Barley Malt, Dry Milk, Dry Egg Albumen, and a Suitable Flavoring Extract, Which Compound is Mixed with Hot or Cold Water.
Claims use since Jan. 1, 1925.

Ser. No. 211,774. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WILLIAM BANCROFT, doing business as F. J. Bancroft Company, Pawtucket, R. I. Filed Mar. 28, 1925.



No claim is made to the words "Used the World Over" and the representation of a tennis racket aside from the mark shown.
Particular description of goods.—Tennis Racket.
Claims use since Jan. 1, 1925.

Ser. No. 211,775. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LUDWIG BAUMANN & CO., New York, N. Y. Filed Mar. 28, 1925.

SELECTO-DYNE

Particular description of goods.—Radio Receiving Sets.
Claims use since Feb. 1, 1925.

Ser. No. 211,786. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GENERAL PRODUCE PACKERS, El Centro, Calif. Filed Mar. 28, 1925.

BLAZON

Particular description of goods.—Fresh Vegetables, Fresh Grapes, Cantaloupe Melons, Fresh Deciduous Fruits, and Fresh Citrous Fruits.
Claims use since Mar. 11, 1925.

Ser. No. 211,796. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MICHAEL MORRIS, Brooklyn, N. Y. Filed Mar. 28, 1925.

EVERADIO

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since about Jan. 1, 1925.

Ser. No. 211,836. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 30, 1925.

Scotch Downs

No claim is made to the word "Scotch" apart from the trade-mark as a whole.
Particular description of goods.—Clothing—Namely, Men's Overcoats, Topcoats, and Raincoats and Similar Coats for Women and Children.
Claims use since July 1, 1924.

Ser. No. 211,838. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Mar. 30, 1925.

Broadmoor Stripe

No claim is made to the word "Stripe" apart from the trade-mark as a whole.
Particular description of goods.—Clothing—Namely, Men's Coats, Vests, Pants, Knickerbockers, Overcoats, and Topcoats, and Coats and Knickerbockers for Women and Children.
Claims use since July 1, 1924.

Ser. No. 211,848. (CLASS 46. FOODS AND INGREDIENTS OF FOODS. THE HORLACHER BREWING CO., INC., doing business as The Horlacher Co., Allentown, Pa. Filed Mar. 30, 1925.

PUR OX

Particular description of goods.—Sirup for Flavoring Ices, Puddings, Sundaes, or Sherbets.
Claims use since May, 1914.

Ser. No. 211,856. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES. THE MAZDA RADIO MANUFACTURING COMPANY, Cleveland, Ohio. Filed Mar. 30, 1925.

Consomello

Particular description of goods.—Radio Receiving Sets.
Claims use since Oct. 20, 1924.

Ser. No. 211,914. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Mar. 31, 1925.

Junella

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 211,928. (CLASS 33. GLASSWARE.) GERMANOW-SIMON MACHINE CO., Rochester, N. Y. Filed Mar. 31, 1925.



No claim is made herein to any representation of a watch crystal except in connection with the mark as shown.
Particular description of goods.—Watch Crystals—Namely, Unbreakable Watch Crystals.
Claims use since about Mar. 1, 1920.

Ser. No. 211,947. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) QUAKER LACE COMPANY, Philadelphia, Pa. Filed Mar. 31, 1925.

Radiant

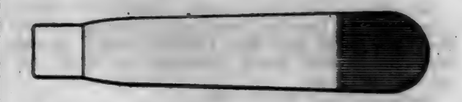
Particular description of goods.—Lace Curtains, Nets, and Curtain Lace in Piece Goods.
Claims use since June 5, 1924.

Ser. No. 211,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed Mar. 31, 1925.

Kinkerry Tweed

No claim is made to the use of the term "Tweed" separate and apart from the mark shown.
Particular description of goods.—Woolen Goods in the Piece and in Cut Lengths.
Claims use since Jan. 19, 1925.

Ser. No. 211,963. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE A. & J. MANUFACTURING CO., Binghamton, N. Y. Filed Apr. 1, 1925.



The trade-mark consists in coloring the free ends of the tools and utensils blue, and the lining in the drawing indicates the color blue. No claim is made herein to the representation of a handle per se.
Particular description of goods.—Kitchen and Household Tools or Utensils—To wit, Cake Turners, Spatulas, Potato Mashers, Knives, Ice Picks, Kitchen Forks, Apple Corers, Can Openers, Kitchen Trowels, Egg Beaters, and Various Types of Kitchen Spoons and Ladles, Including Strainer Spoons, Batter Spoons, Basting Spoons, Stirring Spoons, Mixing Spoons, Measuring Spoons, and Plain and Strainer Ladles.
Claims use since Jan. 24, 1925.

Ser. No. 211,964. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE A. & J. MANUFACTURING CO., Binghamton, N. Y. Filed Apr. 1, 1925.

BLUTIP

Trade-mark consists of the word "Blutip."
Particular description of goods.—Kitchen and Household Tools or Utensils—To wit, Cake Turners, Spatulas, Potato Mashers, Knives, Ice Picks, Kitchen Forks, Apple Corers, Can Openers, Kitchen Trowels, Egg Beaters, and Various Types of Kitchen Spoons and Ladles, Including Strainer Spoons, Batter Spoons, Basting Spoons, Stirring Spoons, Mixing Spoons, Measuring Spoons, and Plain and Strainer Ladles.
Claims use since Jan. 24, 1925.

Ser. No. 212,003. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MICHAEL E. HOWATT, doing business as Arabian Coffee Importing Co., New York, N. Y. Filed Apr. 1, 1925.

SHEIK

Particular description of goods.—Coffee.
Claims use since about Feb. 1, 1924.

Ser. No. 212,004. (CLASS 39. CLOTHING.) INFANTS UTILITIES CORPORATION, New York, N. Y. Filed Apr. 1, 1925.



The name "Infants Utilities Corp." is disclaimed apart from the mark shown.
Particular description of goods.—Infants' Wear and Apparel—Namely, Dresses, Coats, Petticoats, Bonnets, Sacks, and Knit and Fabric Underwear.
Claims use since November, 1924.

Ser. No. 212,014. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE MARVELL PHARMACAL CO., INC., New York, N. Y. Filed Apr. 1, 1925.

TESTEMPCO

Trade-mark consists of the word "Testempco."
Particular description of goods.—Medicinal Preparation Composed of a Concentrated Nucleo-Protein Extract Derived from Testicular Tissue, Including the Leydig Cells, Combined with Calcium Glycerophosphate as an Excipient, for Increasing Mental and Physical Activity, Malnutrition, Anæmia, Senile Dementia, Asthenia, Rheumatism, Neurasthenia, Rachitis, and for Its Tonic Effect Upon the Sex Glands.
Claims use since Feb. 13, 1925.

Ser. No. 212,035. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) JAMES ARTHUR REDNER, doing business as Zulu Blow Gun Company, Battle Creek, Mich. Filed Apr. 1, 1925.

ZULU

Particular description of goods.—Blowgun Target Game.
Claims use since about Nov. 1, 1923.

Ser. No. 212,044. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES WILLIAM RICE, doing business as Who's Who Beverage Co., Lakeland, Fla. Filed Apr. 1, 1925.

WHO'S WHO

Particular description of goods.—Carbonated, Nonalcoholic, Maltless Beverage.
Claims use since Sept. 2, 1924.

Ser. No. 212,059. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) COLB RADIO MANUFACTURING CORPORATION, Bloomfield, N. J. Filed Apr. 2, 1925.

MEGGIT

Particular description of goods.—Resistance Units for Electrical Circuits.
Claims use since Feb. 4, 1925.

Ser. No. 212,063. (CLASS 48. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

MERCALINE

Particular description of goods.—Thread.
Claims use since Mar. 23, 1925.

Ser. No. 212,068. (CLASS 48. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

ALTAMONT

Particular description of goods.—Thread.
Claims use since Mar. 23, 1925.

Ser. No. 212,071. (CLASS 43. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

SATALINE

Particular description of goods.—Thread.
Claims use since Mar. 23, 1923.

Ser. No. 212,076. (CLASS 43. THREAD AND YARN.) THE ELMORE COMPANY, also doing business as The Elmore Thread Company, Spindale, N. C. Filed Apr. 2, 1925.

SEWALINE

Particular description of goods.—Thread.
Claims use since Mar. 23, 1925.

Ser. No. 212,084. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) H. JACOB & SONS, INC., doing business as Marvlo Mills, New York, N. Y. Filed Apr. 2, 1925.

SLIPS LIKE SILK
SLIPTEX
FEELS LIKE SILK

Applicant disclaims the words "Slips Like Silk, Feels Like Silk" apart from the mark shown.
Particular description of goods.—Cotton Piece Goods.
Claims use since Apr. 1, 1925.

Ser. No. 212,107. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) E. T. SMITH COMPANY, Worcester, Mass. Filed Apr. 2, 1925.



Particular description of goods.—Coffee, Tea, and Wheat Flour.
Claims use since December, 1897.

Ser. No. 212,129. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DRAKE CORPORATION, Norfolk, Va. Filed Apr. 3, 1925.



Particular description of goods.—Finished Sheepskins Used for Covering Drafting Rollers in Textile Machinery.
Claims use since 1920.

Ser. No. 212,138. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) A. S. HERLONG & CO., Leesburg, Fla. Filed Apr. 3, 1925.

BELLE OF FLORIDA

The word "Florida" considered alone does not form a part of the mark sought to be registered apart from the mark shown in the drawing.
Particular description of goods.—Fresh Citrous Fruits and Fresh Vegetables.
Claims use since Oct. 6, 1922.

Ser. No. 212,140. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) INDEPENDENT PICTURES CORPORATION, New York, N. Y. Filed Apr. 3, 1925.

"LIGHTNIN'"

Particular description of goods.—Motion Pictures.
Claims use since Feb. 15, 1925.

Ser. No. 212,150. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NEW ENGLAND COAL AND COKE COMPANY, Boston, Mass. Filed Apr. 3, 1925.

NEW ENGLAND COKE

Applicant disclaims any attempt to cover in this registration the words "New England" so far as any geographical significance is concerned or the word "Coke" so far as any descriptive significance is concerned except in the relation and association in which they appear in the specimens and drawing.
Particular description of goods.—Coke.
Claims use since June 18, 1922.

Ser. No. 212,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT C. PURSELL, doing business as Arnicol Laboratories, New York, N. Y. Filed Apr. 3, 1925.

ARNICOL

Particular description of goods.—Preparation for the Relief of Inflammation and Pain by Cutaneous Absorption.
Claims use since Sept. 17, 1924.

335 O. G.—20

Ser. No. 212,164. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WASHBURN CROSBY COMPANY, Minneapolis, Minn. Filed Apr. 3, 1925.

WECO

Particular description of goods.—Radio Receiving Sets.
Claims use since Mar. 25, 1925.

Ser. No. 212,177. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 4, 1925.

Plumage Shades Cloth

No rights are asserted to the exclusive use of the words "Shades Cloth" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 16, 1925.

Ser. No. 212,252. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ADOLF W. HASS, Forest Park, Ill. Filed Apr. 6, 1925.

FLEXO

Particular description of goods.—Liquid Used for Removing Stains and Spots from Woolen and Textile Goods, Garments, Etc.
Claims use since Jan. 1, 1925.

Ser. No. 212,256. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 6, 1925.

KADONA

Particular description of goods.—Piece Goods Made of Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Sept. 18, 1924.

Ser. No. 212,257. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 6, 1925.

MORAKONA

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Sept. 18, 1924.

Ser. No. 212,273. (CLASS 38. PRINTS AND PUBLICATIONS.) KATHLEEN KAYE, Salt Lake City, Utah. Filed Apr. 6, 1925.

HEARTITORIUM

Particular description of goods.—Matter Produced by Special Writer for Newspaper Column.
Claims use since Feb. 27, 1917.

Ser. No. 212,294. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PURITY ICE CREAM CO., Kansas City, Mo. Filed Apr. 6, 1925.



The representation of a boy's head shown on the drawing is fanciful. The words "Ice Cream" and the representation of the goods are disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Chocolate-Coated Ice Cream.
Claims use since Mar. 1, 1925.

Ser. No. 212,332. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) ARTHUR A. HASTINGS, doing business as Hasco Products Company, Springfield, Mass. Filed Apr. 7, 1925.

Giant Cleaner



No claim is made to the word "Cleaner" apart from the mark as shown.
Particular description of goods.—Washing Powder.
Claims use since Jan. 1, 1922.

Ser. No. 212,338. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) MARATHON RUBBER COMPANY, INC., Akron, Ohio. Filed Apr. 7, 1925.

FLEXYDE

Particular description of goods.—Baseballs.
Claims use since Mar. 10, 1925.

Ser. No. 212,344. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH COGEN, doing business as The Nailex Company, New York, N. Y. Filed Apr. 7, 1925.

NAILEX

Particular description of goods.—Nail Polish, Nail-Polish Remover, Nail White, and Cuticle Remover.
Claims use since Aug. 1, 1924.

Ser. No. 212,350. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) RESEARCH ENGINEERING CORPORATION, New York, N. Y. Filed Apr. 7, 1925.

RECONY

Particular description of goods.—Electrical Apparatus, Particularly Motor-Control Devices.
Claims use since on or about Mar. 1, 1923.

Ser. No. 212,374. (CLASS 12. CONSTRUCTION MATERIALS.) THE JOHN D. EMACK COMPANY, Philadelphia, Pa. Filed Apr. 8, 1925.

Stonethatch

Particular description of goods.—Roofing Slate.
Claims use since on or about Feb. 14, 1925.

Ser. No. 212,375. (CLASS 12. CONSTRUCTION MATERIALS.) THE JOHN D. EMACK COMPANY, Philadelphia, Pa. Filed Apr. 8, 1925.

Thatchstone

Particular description of goods.—Roofing Slate.
Claims use since on or about Mar. 3, 1925.

Ser. No. 212,382. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) JUPITER SPARK PLUG COMPANY, Seattle, Wash. Filed Apr. 8, 1925.

JUPITER

Particular description of goods.—Spark Plugs.
Claims use since prior to Mar. 21, 1925.

Ser. No. 212,410. (CLASS 12. CONSTRUCTION MATERIALS.) UNITED STATES GYPSUM COMPANY, Chicago, Ill. Filed Apr. 8, 1925.



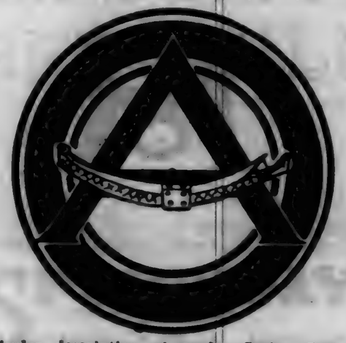
Particular description of goods.—Wall Plaster, Molding Plaster, Plaster of Paris, and Calcined Gypsum.
Claims use since January, 1919.

Ser. No. 212,426. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE ESMOND MILLS, Esmond, Smithfield, R. I. Filed Apr. 9, 1925.

Pair in One

Particular description of goods.—Cotton Blankets.
Claims use since Mar. 25, 1925.

Ser. No. 212,467. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) ANDERSON MANUFACTURING COMPANY, Everett, Mass. Filed Apr. 10, 1925.



Particular description of goods.—Spring Covers for Automobile Springs.
Claims use since Oct. 3, 1921.

Ser. No. 212,470. (CLASS 12. CONSTRUCTION MATERIALS.) THE ARCO COMPANY, Cleveland, Ohio. Filed Apr. 10, 1925.

JOINTITE

Particular description of goods.—Cement for Pipe Joints and Analogous Uses.
Claims use since 1915.

Ser. No. 212,478. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE C. G. SPRING AND BUMPER COMPANY, Detroit, Mich. Filed Apr. 10, 1925.

RADAGARD

Particular description of goods.—Bumpers.
Claims use since about Jan. 29, 1925.

Ser. No. 212,484. (CLASS 39. CLOTHING.) ALFRED DECKER & COHN, INC., Chicago, Ill. Filed Apr. 10, 1925.

Piping Rock

Particular description of goods.—Clothing—Namely, Coats, Vests, Trousers, Knickerbockers, and Overcoats—for Men and Youths.
Claims use since fore part of 1915.

Ser. No. 212,490. (CLASS 39. CLOTHING.) GAGE BROTHERS & COMPANY, Chicago, Ill. Filed Apr. 10, 1925.



Delploi

Particular description of goods.—Ladies' Hats.
Claims use since Oct. 1, 1924.

Ser. No. 212,532. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) BAKELITE CORPORATION, New York, N. Y. Filed Apr. 11, 1925.



Particular description of goods.—Necklaces, Earrings, Pendants, and Bracelets.
Claims use since Dec. 1, 1924.

Ser. No. 212,558. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GROUT AND COMPANY, LIMITED, Great Yarmouth, England. Filed Apr. 11, 1925.

VIC

Particular description of goods.—Crêpe Bandages (Medical and Surgical).
Claims use since Nov. 1, 1923.

Ser. No. 212,558. (CLASS 39. CLOTHING.) KREITMAN & NEWMAN, New York, N. Y. Filed Apr. 11, 1925.

Golden Rat

Particular description of goods.—Fur Coats.
Claims use since Mar. 1, 1924.

Ser. No. 212,559. (CLASS 39. CLOTHING.) KREITMAN & NEWMAN, New York, N. Y. Filed Apr. 11, 1925.

Silver Rat

Particular description of goods.—Fur Coats.
Claims use since Mar. 1, 1924.

Ser. No. 212,560. (CLASS 39. CLOTHING.) KREITMAN & NEWMAN, New York, N. Y. Filed Apr. 11, 1925.

Collegiate

Particular description of goods.—Fur Coats.
Claims use since Mar. 1, 1924.

Ser. No. 212,597. (CLASS 39. CLOTHING.) DAVENPORT HOSIERY MILLS, Chattanooga, Tenn. Filed Apr. 13, 1925.

INDEX

Particular description of goods.—Hosiery.
Claims use since Mar. 19, 1925.

Ser. No. 212,615. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Apr. 13, 1925.

HEATHLAND

Particular description of goods.—Men's and Boys' Suits and Men's, Women's, and Boys' Coats.
Claims use since Mar. 24, 1925.

Ser. No. 212,616. (CLASS 39. CLOTHING.) HART, SCHAFFNER & MARX, Chicago, Ill. Filed Apr. 13, 1925.

BRACKEN

Particular description of goods.—Men's and Boys' Suits and Men's, Women's, and Boys' Coats.
Claims use since Mar. 24, 1925.

Ser. No. 212,661. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) WORLD BESTOS CORPORATION, New York, N. Y. Filed Apr. 13, 1925.

WO-BO

Particular description of goods.—Transmission, Brake, and Friction Linings.
Claims use since on or about Mar. 17, 1925.

Ser. No. 212,853. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) CARSON PIRIE SCOTT & CO., Chicago, Ill. Filed Apr. 17, 1925.

ESTRAL

Particular description of goods.—Pearls and Pearl Necklaces.
Claims use since about September, 1924.

Ser. No. 212,859. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) THE HADLEY COMPANY, Providence, R. I. Filed Apr. 17, 1925.

HCH

Particular description of goods.—Clasps for Ribbon Bracelets, Buckles for Strap Bracelets and Metal Bracelets.
Claims use since Jan. 1, 1921.

Ser. No. 212,868. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SERCK & KADE, INC., New York, N. Y. Filed Apr. 17, 1925.

SULFOCOL

Particular description of goods.—Ointment Used in the Treatment of Eczema, Itch, Scabies, and Other Irritations of the Skin.
Claims use since Feb. 27, 1925.

Ser. No. 212,912. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GEM TOY COMPANY, New York, N. Y. Filed Apr. 18, 1925.

GEM

Particular description of goods.—Dolls.
Claims use since Apr. 1, 1923.

Ser. No. 212,940. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) N. J. MAGNAN CORPORATION, North Attleboro, Mass. Filed Apr. 18, 1925.

Defendor

Particular description of goods.—Tennis Rackets.
Claims use since 1918.

Ser. No. 212,982. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Filed Apr. 18, 1925.

SEA GULL

Particular description of goods.—Fresh Citrous Fruit—Namely, Oranges, Lemons, and Grapefruit.
Claims use since January, 1922.

Ser. No. 213,007. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) CORCORAN MANUFACTURING COMPANY, Indianapolis, Ind. Filed Apr. 20, 1925.

SPEEDWAY

Particular description of goods.—Scooters.
Claims use since Dec. 2, 1924.

Ser. No. 213,057. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ARRANBEE DOLL COMPANY, New York, N. Y. Filed Apr. 21, 1925.

"MY DREAM BABY"

Particular description of goods.—Dolls.
Claims use since Aug. 15, 1924.

Ser. No. 213,157. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MERRITT F. BEAL, Long Island City, N. Y. Filed Apr. 23, 1925.

Orthophone

Particular description of goods.—Clarinet and Saxophone Reeds.
Claims use since Dec. 1, 1923.

Ser. No. 213,216. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo. Filed Apr. 24, 1925.

Sweet Moments



Particular description of goods.—Table Sirup.
Claims use since Mar. 11, 1925.

Ser. No. 213,254. (CLASS 38. PRINTS AND PUBLICATIONS.) PACIFIC & ATLANTIC PHOTOS, INC., New York, N. Y. Filed Apr. 24, 1925.

Pacific & Atlantic

Particular description of goods.—Photographs.
Claims use since Aug. 8, 1922.

Ser. No. 213,268. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNION CUTLERY CO., INC., Olean, N. Y. Filed Apr. 24, 1925.

RUF N TUF

Particular description of goods.—Butcher Knives, Paring Knives, Pocketknives, Hunting Knives, Razors, and Shears.
Claims use since July, 1924.

Ser. No. 213,271. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) WRIGHT & DITSON VICTOR CO., Springfield, Mass. Filed Apr. 24, 1925.

VULCORE

Particular description of goods.—Baseballs and Cores Therefor.
Claims use since Mar. 1, 1925.

Ser. No. 213,272. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) YAKIMA FRUIT & COLD STORAGE COMPANY, Yakima, Wash. Filed Apr. 24, 1925.

GOLD STAR

Particular description of goods.—Fresh Deciduous Fruits.
Claims use since Sept. 3, 1924.

Ser. No. 213,277. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHICAGO MACARONI CO., Chicago, Ill. Filed Apr. 25, 1925.

BIG 3

Particular description of goods.—Alimentary Products—Namely, Macaroni, Spaghetti, Vermicelli, and Noodles.
Claims use since Feb. 2, 1925.

Ser. No. 213,311. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LOGAN BROTHERS COMPANY, Bridgeport, Conn. Filed Apr. 25, 1925.

MIDAS

Particular description of goods.—Coffee.
Claims use since Oct. 28, 1924.

Ser. No. 213,312. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) LOUIS STERN COMPANY, Providence, R. I. Filed Apr. 25, 1925.

WRISTACRAT

Particular description of goods.—Bracelets, Watch Bracelets, and Wristbands.
Claims use since June, 1924.

Ser. No. 213,323. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) ALBERT SCHULLINGER, doing business as Trump Razor Blade Co., New York, N. Y. Filed Apr. 25, 1925.

TRUMP

Particular description of goods.—Razor Blades.
Claims use since Apr. 4, 1925.

Ser. No. 213,355. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) L. BAMBERGER & COMPANY, Newark, N. J. Filed Apr. 27, 1925.

BAM

Particular description of goods.—Golf Balls.
Claims use since March, 1923.

Ser. No. 213,400. (CLASS 0. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) STOCKTON MINERS' COMPOUND MANUFACTURING COMPANY, Stockton, Calif. Filed Apr. 27, 1925.

AURORITE AURORITE EXPLOSIVE AURORITE AURORITE

No claim is made to the word "Explosives" apart from the mark as shown. The shading on the drawing denotes the color red.
Particular description of goods.—Explosives.
Claims use since Jan. 13, 1925.

Ser. No. 213,415. (CLASS 15. OILS AND GREASES.) VACUUM OIL COMPANY, New York, N. Y. Filed Apr. 27, 1925.

VACGREASE

Particular description of goods.—Greases Used in the Manufacture of Leather.
Claims use since Mar. 13, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 9, 1925.

199,285. MAGAZINE PUBLISHED AT MONTHLY INTERVALS. GORDON B. EWING, Providence, R. I. Filed February 6, 1925. Serial No. 209,160. PUBLISHED MARCH 24, 1925.

199,286. BOOTS, SHOES, AND SLIPPERS MADE IN MAJOR PART OF LEATHER, FABRIC, OR RUBBER. NATE'L FISHER & Co., New York, N. Y. Filed February 10, 1925. Serial No. 209,340. PUBLISHED MARCH 17, 1925.

199,287. BATHING CAPS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y. Filed February 10, 1925. Serial No. 209,355. PUBLISHED MARCH 17, 1925.

199,288. HOSIERY. LICHTEN BROS., New York, N. Y. Filed February 10, 1925. Serial No. 209,358. PUBLISHED MARCH 31, 1925.

199,289. GRANULAR OR SEMICRYSTALLINE OR POWDERED MIXTURE OF DEHYDRATED INGREDIENTS OF FRUIT WHEN MIXED IN BOILING WATER FORMS A JELLY OR MARMALADE. ROBERTS FRUIT PRODUCTS, INC., San Jose, Calif. Filed February 10, 1925. Serial No. 209,366. PUBLISHED MARCH 31, 1925.

199,290. GIRLS' WASH DRESSES MADE OUT OF CLOTH, SILK, LINEN, OR OTHER MATERIAL. ARCUNI & EICHWALD, New York, N. Y. Filed February 11, 1925. Serial No. 209,376. PUBLISHED MARCH 31, 1925.

199,291. MEN'S AND BOYS' WORK SHIRTS, DRESS SHIRTS, BLOUSES, AND WAISTS MADE OF SILK, SILK AND COTTON, SATEENS, COTTON, LINEN, FLANNEL, ETC. BOB & BARSIND, New York, N. Y. Filed February 11, 1925. Serial No. 209,379. PUBLISHED MARCH 31, 1925.

199,292. CANNED PINEAPPLE. PEARL CITY FRUIT Co., LTD., Honolulu, Territory of Hawaii. Filed February 16, 1925. Serial No. 209,686. PUBLISHED MARCH 31, 1925.

199,293. MEN'S, WOMEN'S, AND CHILDREN'S NAINSOOK UNDERWEAR AND HOSIERY. THE CAMPE CORPORATION, New York, N. Y. Filed February 11, 1925. Serial No. 209,382. PUBLISHED MARCH 31, 1925.

199,294. HEELS AND TOP LIFTS OF RUBBER AND ANALOGOUS MATERIALS. THE CENTURY RUBBER SPECIALTY COMPANY, Baltimore, Md. Filed February 11, 1925. Serial No. 209,386. PUBLISHED MARCH 17, 1925.

199,295. MEN'S, WOMEN'S, AND CHILDREN'S NAINSOOK UNDERWEAR AND HOSIERY. THE CAMPE CORPORATION, New York, N. Y. Filed February 11, 1925. Serial No. 209,383. PUBLISHED MARCH 31, 1925.

199,296. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. J. G. FOX, doing business as J. G. Fox & Company, Seattle, Wash. Filed February 11, 1925. Serial No. 209,391. PUBLISHED MARCH 31, 1925.

199,297. DRIED PRUNES. DUNDEE FRUIT GROWERS AND PACKERS, Dundee, Oreg. Filed February 12, 1925. Serial No. 209,465. PUBLISHED MARCH 31, 1925.

199,298. HOSIERY. RUFUS W. SCOTT COMPANY, New York, N. Y. Filed February 16, 1925. Serial No. 209,701. PUBLISHED MARCH 31, 1925.

199,299. FRESH CITROUS FRUITS—NAMELY, ORANGES, LEMONS, AND GRAPEFRUIT. FILLMORE CITRUS FRUIT ASSOCIATION, Fillmore, Calif. Filed February 12, 1925. Serial No. 209,470. PUBLISHED MARCH 31, 1925.

199,300. SKIRTS, DRESSES, SWEATERS, COATS, AND SCARFS FOR MISSES AND WOMEN. NEUMAN KNITTING MILLS, Brooklyn, N. Y. Filed February 12, 1925. Serial No. 209,490. PUBLISHED MARCH 31, 1925.

199,301. SWEATER AND SCARF ENSEMBLE. VANDEWART COMPANY, INC., New York, N. Y. Filed February 12, 1925. Serial No. 209,509. PUBLISHED MARCH 31, 1925.

199,302. MEN'S CLOTHING—NAMELY, JACKETS AND OVERCOATS. J. BODERMAN & SONS, New York, N. Y. Filed February 14, 1925. Serial No. 209,559. PUBLISHED MARCH 31, 1925.

199,303. LADIES' TEXTILE UNDERWEAR COMBINING SKIRT, CORSET COVER, AND DRAWERS. B. ALTMAN & Co., New York, N. Y. Filed February 16, 1925. Serial No. 209,605. PUBLISHED MARCH 31, 1925.

199,304. CANNED PINEAPPLE. PEARL CITY FRUIT Co., LTD., Honolulu, Territory of Hawaii. Filed February 16, 1925. Serial No. 209,685. PUBLISHED MARCH 31, 1925.

199,305. WATCHES. THE HAMPDEN WATCH COMPANY, Canton, Ohio. Filed November 15, 1924. Serial No. 205,331. PUBLISHED MARCH 24, 1925.

199,306. COMPLETE RADIO RECEIVING SETS. KARDON PRODUCTS CO. INC., New York, N. Y. Filed November 18, 1924. Serial No. 205,211. PUBLISHED MARCH 24, 1925.

199,307. AUTOMOBILE TIRES AND TUBES. R. H. MACY & Co., INC., New York, N. Y. Filed November 10, 1924. Serial No. 205,074. PUBLISHED MARCH 3, 1925.

199,308. BISCUITS IN THE NATURE OF CRACKERS. WILLIS A. MACKAY, New York, N. Y. Filed November 8, 1924. Serial No. 205,017. PUBLISHED MARCH 24, 1925.

199,309. RICE. AMERICAN FACTORS, LIMITED, Honolulu, Territory of Hawaii, and San Francisco, Calif. Filed November 3, 1924. Serial No. 204,741. PUBLISHED MARCH 17, 1925.

199,310. BREAD. PAPENDICK BAKERY CO., St. Louis, Mo. Filed October 29, 1924. Serial No. 204,565. PUBLISHED MARCH 17, 1925.

199,311. CHEESE. PABST CORPORATION, Milwaukee, Wis. Filed October 28, 1924. Serial No. 204,518. PUBLISHED MARCH 10, 1925.

199,312. WATCHES, WATCHCASES, AND WATCH MOVEMENTS. LOUIS MANNHEIMER & BROS. INC., New York, N. Y. Filed October 28, 1924. Serial No. 204,517. PUBLISHED MARCH 24, 1925.

199,313. MATCHES. JORDBRO AKTIEBOLAG, Jonkoping, Sweden.
Filed October 25, 1924. Serial No. 204,405. PUBLISHED MARCH 17, 1925.

199,314. RADIO RECEIVING SETS. F. A. D. ANDREA, INC., New York, N. Y.
Filed October 24, 1924. Serial No. 204,344. PUBLISHED MARCH 24, 1925.

199,315. DAIRY FEED. THE LADISH-STOFFENBACH COMPANY, doing business as The Ladish Company, Milwaukee, Wis.
Filed October 20, 1924. Serial No. 204,176. PUBLISHED MARCH 17, 1925.

199,316. FRUIT CONFECTION. CHARLES G. GROVER, Denver, Colo.
Filed October 20, 1924. Serial No. 204,166. PUBLISHED MARCH 24, 1925.

199,317. CHOCOLATE AND CANDIES. PARK & TILFORD, New York, N. Y.
Filed October 18, 1924. Serial No. 204,112. PUBLISHED MARCH 24, 1925.

199,318. ICE-CREAM CONES. THE BER-CONE CO., Baltimore, Md.
Filed October 18, 1924. Serial No. 204,081. PUBLISHED MARCH 10, 1925.

199,319. PATCHES FOR TIRES, INNER TUBES, RUBBER BOOTS AND OVERSHOES, GARDEN HOSE, HOT-WATER BOTTLES, AND OTHER ARTICLES MADE WHOLLY OR IN PART OF RUBBER. WHITE BEAR PATCH COMPANY, INC., New Orleans, La.
Filed October 2, 1924. Serial No. 203,856. PUBLISHED MARCH 3, 1925.

199,320. RAILWAY CROSSTIES. INTERNATIONAL CREOSOTING AND CONSTRUCTION COMPANY, Galveston, Beaumont, and Texarkana, Tex.
Filed September 27, 1924. Serial No. 203,120. PUBLISHED MARCH 17, 1925.

199,321. LAMP SHADES. ARGLOMACO, INC., New York, N. Y.
Filed September 26, 1924. Serial No. 203,069. PUBLISHED MARCH 3, 1925.

199,322. BAKERY PRODUCTS, SPECIFICALLY BREAD, CAKE, COOKIES, DOUGHNUTS, PIES, COFFEE ROLLS, MACAROONS, AND HERMITS. CAPEWAY BAKERY, INC., East Braintree, Mass.
Filed September 23, 1924. Serial No. 202,924. PUBLISHED MARCH 10, 1925.

199,323. BAKERY PRODUCTS, SPECIFICALLY BREAD CAKE, COOKIES, DOUGHNUTS, PIES, COFFEE ROLLS, MACAROONS, AND HERMITS. CAPEWAY BAKERY, INC., East Braintree, Mass.
Filed September 23, 1924. Serial No. 202,923. PUBLISHED MARCH 10, 1925.

199,324. FRUIT TREES, FRUIT BUSHES, VEGETABLE PLANTS, FOREST SEEDLINGS, EVERGREEN, SHADE AND ORNAMENTAL TREES, VINES, IN AND OUT DOOR FLOWERS AND PLANTS, VEGETABLE AND FLOWER SEEDS, AND SHRUBS. CLAUDE L. FERRELAND, Bristow, Okla.
Filed September 17, 1924. Serial No. 202,608. PUBLISHED MARCH 17, 1925.

199,325. INDUCTANCE COILS. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed December 5, 1924. Serial No. 206,298. PUBLISHED MARCH 24, 1925.

199,326. MAPLE SIRUP, A BLENDED SIRUP CONSISTING OF CORN SIRUP AND REFINER'S SIRUP, MOLASSES, MIXED CANDY AND PEANUT BUTTER. THE BARREL SYRUP CORPORATION, Oakland, Calif.
Filed December 4, 1924. Serial No. 206,213. PUBLISHED MARCH 24, 1925.

199,327. WOOD, COAL, OIL, OR GAS BURNING FURNACES AND HEATERS. AMERICAN FURNACE COMPANY, St. Louis, Mo.
Filed December 4, 1924. Serial No. 206,207. PUBLISHED MARCH 17, 1925.

199,328. PADS AND COVERS FOR IRONING BOARDS. JOHN RITTENTHALER, New York, N. Y.
Filed December 3, 1924. Serial No. 206,191. PUBLISHED MARCH 24, 1925.

199,329. STRUCTURAL IRON AND STEEL BUILDINGS, BRIDGES, SHAPES, AND PLATES. STEPHEN S. HERRICK, doing business as Herrick Iron Works, Oakland, Calif.
Filed December 3, 1924. Serial No. 206,167. PUBLISHED MARCH 3, 1925.

199,330. WATER HEATERS. SOBCO HEATER CO. INC., New York, N. Y.
Filed November 28, 1924. Serial No. 205,960. PUBLISHED MARCH 3, 1925.

199,331. GAS BURNERS, GAS STOVES, AND RANGES AND PARTS OF THE SAME. PORTSMOUTH STOVE AND RANGE CO., Portsmouth, Ohio.
Filed November 28, 1924. Serial No. 205,948. PUBLISHED MARCH 24, 1925.

199,332. FRESH DECIDUOUS FRUITS, FRESH VEGETABLES, FRESH CANTALOUPES, AND FRESH STRAWBERRIES. SACRAMENTO GROWERS MARKET, INC., Sacramento, Calif.
Filed November 26, 1924. Serial No. 205,891. PUBLISHED MARCH 24, 1925.

199,333. COMBINATION ELECTRIC HOT PLATE AND ELECTRIC LAMP. T. K. FELDMAN, doing business as The "Grillite" Co., New York, N. Y.
Filed November 25, 1924. Serial No. 205,820. PUBLISHED MARCH 24, 1925.

199,334. PHONOGRAPHS. ERNEST O. BUEDINGFELDT, Muncie, Ind.
Filed November 25, 1924. Serial No. 205,815. PUBLISHED MARCH 24, 1925.

199,335. BRIQUET CONTAINING METALLIC SUBSTANCES FOR TREATING MOLTEN METALS. CHICAGO CRUCIBLE COMPANY, Chicago, Ill.
Filed November 24, 1924. Serial No. 205,743. PUBLISHED MARCH 24, 1925.

199,336. PLASTER. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y.
Filed November 24, 1924. Serial No. 205,730. PUBLISHED MARCH 3, 1925.

199,337. BREAD, CAKE, PIE OR ANY FORM OF BAKED PASTE IN WHICH IODIDE IS PLACED. MILIVOJ MARTINOV, doing business as Butter Krust Baking Co., Salt Lake City, Utah.
Filed November 21, 1924. Serial No. 205,649. PUBLISHED FEBRUARY 17, 1925.

199,338. TIRE SHOES. GAUER-LAWSON CO., Chicago, Ill.
Filed November 20, 1924. Serial No. 205,595. PUBLISHED MARCH 24, 1925.

199,339. CAKE. AUGUST HELLMERS, Cincinnati, Ohio.
Filed November 19, 1924. Serial No. 205,551. PUBLISHED FEBRUARY 17, 1925.

199,340. LIQUID BITUMINOUS CEMENT FOR BONDING PURPOSES IN CONSTRUCTION WORK, SUCH AS LAYING RUBBER TILING, FLEXIBLE TILES, LINOLEUM, AND THE LIKE, AND A HEAVY LIQUID BITUMINOUS ENAMEL FOR USE AS A WATERPROOF PROTECTION FOR METAL AND CONCRETE CONSTRUCTIONS IN BUILDING OPERATIONS AND RECOMMENDED FOR PROTECTING METAL AGAINST CORROSION. ELATERITE PRODUCTS CORPORATION, New York, N. Y.
Filed November 18, 1924. Serial No. 205,476. PUBLISHED MARCH 24, 1925.

199,341. OVERALLS, UNION-SUIT WORKING GARMENTS FOR BOYS, YOUNG MEN, AND MEN. THE CROWN OVERALL MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed November 18, 1924. Serial No. 205,475. PUBLISHED MARCH 24, 1925.

199,342. BUTTER. ARCHIBALD CLEAVER CLAUSER, Reading, Pa.
Filed November 18, 1924. Serial No. 205,470. PUBLISHED FEBRUARY 17, 1925.

199,343. TREATED RICE POLISH. THE VITALENE COMPANY, Houston, Tex.
Filed November 17, 1924. Serial No. 205,457. PUBLISHED FEBRUARY 24, 1925.

199,344. WATCHES. THE HAMPDEN WATCH COMPANY, Canton, Ohio.
Filed November 15, 1924. Serial No. 205,332. PUBLISHED MARCH 24, 1925.

199,345. WHEAT FLOUR. RODNEY MILLING COMPANY, Kansas City, Mo.
Filed September 11, 1924. Serial No. 202,517. PUBLISHED NOVEMBER 11, 1924.

199,346. CHEESE. S. A. HARAM & CO. INC., New York, N. Y.
Filed September 8, 1924. Serial No. 202,342. PUBLISHED MARCH 24, 1925.

199,347. DAIRY FEEDS, HORSE FEEDS, HOG FEEDS, AND POULTRY FEEDS. AMERICAN MILLING COMPANY, Peoria, Ill.
Filed August 25, 1924. Serial No. 201,827. PUBLISHED MARCH 24, 1925.

199,348. CANNED ASPARAGUS. VERDEN CANNING CO., San Francisco, Calif.
Filed August 23, 1924. Serial No. 201,824. PUBLISHED MARCH 24, 1925.

199,349. FRESH GRAPES. MAYFLOWER FRUIT ASSOCIATION, Exeter, Calif.
Filed August 23, 1924. Serial No. 201,816. PUBLISHED MARCH 24, 1925.

199,350. TOWELS, BATH CLOTHS, COTTON, LINEN, AND MUSLIN TABLE SETS. RINDSMAN-SALINGER CO., New York, N. Y.
Filed August 16, 1924. Serial No. 201,511. PUBLISHED FEBRUARY 24, 1925.

199,351. QUILTS AND BLANKETS MADE OF COTTON. MICHELE PERUGO, Milan, Italy.
Filed August 8, 1924. Serial No. 201,157. PUBLISHED MARCH 24, 1925.

199,352. LAMPS AND LAMP SHADES. THE EAGLE-WABASH CORPORATION, Chicago, Ill.
Filed August 6, 1924. Serial No. 201,020. PUBLISHED MARCH 24, 1925.

199,353. SEEDS, BULBS, CUTTINGS, AND OTHER THINGS USED IN PRODUCING AND REPRODUCING GRAINS, VEGETABLES, PLANTS, BUSHES, TREES, AND OTHER FLORA. CO-OPERATIVE GRANGE LEAGUE FEDERATION EXCHANGE, INC., Syracuse and Buffalo, N. Y.
Filed August 2, 1924. Serial No. 200,865. PUBLISHED MARCH 24, 1925.

199,354. WHEAT FLOUR. DULLE-MEYER MILLING COMPANY, Chamois, Mo.
Filed July 29, 1924. Serial No. 200,674. PUBLISHED FEBRUARY 24, 1925.

199,355. WHEAT FLOUR. DULLE-MEYER MILLING COMPANY, Chamois, Mo.
Filed July 29, 1924. Serial No. 200,673. PUBLISHED FEBRUARY 17, 1925.

199,356. RADIO RECEIVING SETS. RADIO CORPORATION OF AMERICA, New York, N. Y.
Filed July 16, 1924. Serial No. 200,119. PUBLISHED FEBRUARY 10, 1925.

199,357. CANNED VEGETABLES. C. B. TICHENOR & Co., Millville, N. J.
Filed July 7, 1924. Serial No. 199,723. PUBLISHED MARCH 24, 1925.

199,358. FRESH VEGETABLES, FRESH GRAPES, FRESH CANTALOUPES, AND FRESH BERRIES. Y. OKAWARA & Co., Brawley, Calif.
Filed June 30, 1924. Serial No. 199,383. PUBLISHED MARCH 24, 1925.

199,359. GAS RANGES. THE OHIO STATE STOVE & MFG. Co., Columbus, Ohio.
Filed June 19, 1924. Serial No. 199,334. PUBLISHED MARCH 24, 1925.

199,360. BREAD. S. A. HARAM & Co., INC., New York, N. Y.
Filed June 16, 1924. Serial No. 198,636. PUBLISHED SEPTEMBER 30, 1924.

109,361. CERTAIN TOILET PREPARATIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed May 13, 1924. Serial No. 196,983. PUBLISHED MARCH 31, 1925.

109,362. CERTAIN TOILET PREPARATIONS. SOCIÉTÉ WORTH, Paris, France, assignor to Franklin Simon & Co., New York, N. Y., a Corporation of New York.
Filed May 13, 1924. Serial No. 196,979. PUBLISHED MARCH 17, 1925.

199,363. COTTON, WOOLEN, LINEN, AND SILK PIECE FABRICS. DAVID ROTHSCHILD & Co., Columbus, Ga.
Filed May 12, 1924. Serial No. 196,931. PUBLISHED MARCH 24, 1925.

199,364. SOLDERING LAMPS AND BLOWTORCHES. M J R METALLWARENFABRIK JOSEF ROSENTHAL AKTIENGESELLSCHAFT, Vienna, Austria.
Filed May 2, 1924. Serial No. 196,469. PUBLISHED MARCH 24, 1925.

199,365. MAILING DEVICES AND FOLDERS FOR CARRYING WITHIN THEM ADVERTISING MATTER OR SALES LITERATURE. WALTER S. BIDDLE, doing business as Swif-T-Thrift Sales Co., New York, N. Y.
Filed December 31, 1924. Serial No. 207,489. PUBLISHED MARCH 17, 1925.

199,366. PARTICULAR COLUMN OF NEWS IN THE MORNING TELEGRAPH, A NEWSPAPER. MORNING TELEGRAPH COMPANY, New York, N. Y.
Filed December 27, 1924. Serial No. 207,306. PUBLISHED MARCH 17, 1925.

199,367. CRAVATS. BROADWAY NECKWEAR COMPANY, New York, N. Y.
Filed December 26, 1924. Serial No. 207,228. PUBLISHED MARCH 31, 1925.

199,368. BED SPRINGS, INCLUDING WOVEN-WIRE SPRINGS, LINK SPRINGS, AND COIL SPRINGS. C. O. HASSELBARTH, Albany, N. Y.
Filed December 24, 1924. Serial No. 207,187. PUBLISHED MARCH 17, 1925.

199,369. SOAP. SWIFT AND COMPANY, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,107. PUBLISHED MARCH 17, 1925.

199,370. MONTHLY MAGAZINE. THE PENINSULAR PUBLISHING COMPANY, Tampa, Fla.
Filed December 22, 1924. Serial No. 207,095. PUBLISHED MARCH 17, 1925.

199,371. CALENDARS AND PERIODICAL PUBLICATIONS. THE NATIONAL LIFE AND ACCIDENT INSURANCE COMPANY, Nashville, Tenn.
Filed December 22, 1924. Serial No. 207,091. PUBLISHED MARCH 31, 1925.

199,372. TEXTBOOKS. RUDOLPH BLANK, New York, N. Y.
Filed December 18, 1924. Serial No. 206,875. PUBLISHED FEBRUARY 17, 1925.

199,373. OVERALLS, AND MORE PARTICULARLY THOSE MADE OF TEXTILE FABRICS. THE GLOBE OVERALL COMPANY, Cincinnati, Ohio.
Filed December 16, 1924. Serial No. 206,777. PUBLISHED MARCH 31, 1925.

199,374. READY-MIXED PAINTS AND VARNISHES. JOHN W. WALKER, doing business as Nu-Gloss Auto Painting System, Kansas City, Mo.
Filed December 15, 1924. Serial No. 206,758. PUBLISHED MARCH 17, 1925.

199,375. TITLE AND HEADING OF A NEWSPAPER COLUMN OFFICIALLY CLASSIFIED. EDNA M. JANSON, Lawrence, Mass.
Filed December 12, 1924. Serial No. 206,623. PUBLISHED MARCH 17, 1925.

199,376. POLISHES FOR THE FINISH OF AUTOMOBILES WHICH INCIDENTALLY POSSESS THE PROPERTY OF CLEANING. ROBERT E. CALLAHAN, doing business as Auto Gland Co., Los Angeles, Calif.
Filed December 10, 1924. Serial No. 206,513. PUBLISHED MARCH 31, 1925.

199,377. FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB-BELLS, AND INDIAN CLUBS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,461. PUBLISHED MARCH 31, 1925.

199,378. FOOTBALLS, HANDBALLS, BASKET BALLS, TENNIS BALLS, GOLF BALLS, TENNIS RACKETS, SQUASH RACKETS, TENNIS POSTS, GOLF STICKS, DUMB-BELLS, AND INDIAN CLUBS. JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa.
Filed December 8, 1924. Serial No. 206,459. PUBLISHED MARCH 31, 1925.

199,379. PAINT FOR USE UPON CEMENT FLOORS. SMITH-ALSOP PAINT AND VARNISH COMPANY, Terre Haute, Ind.
Filed December 8, 1924. Serial No. 206,440. PUBLISHED MARCH 31, 1925.

199,380. BOOKS, POSTERS, AND PRINTS IN BLACK AND WHITE OR COLORS, SKETCHES, AND CARTOONS. GEORGE ERNEST STUDDY, London, England.
Filed December 6, 1924. Serial No. 206,380. PUBLISHED MARCH 17, 1925.

199,381. BOOK PUBLISHED ONCE EVERY TWO YEARS. AHRENS PUBLISHING CO., INC., New York, N. Y.
Filed December 5, 1924. Serial No. 206,269. PUBLISHED MARCH 17, 1925.

199,382. TISSUE-PAPER WIPERS FOR CLEANING EYEGLASSES. CHARLES A. SCOTT, Kansas City, Mo.
Filed November 28, 1924. Serial No. 205,957. PUBLISHED MARCH 17, 1925.

199,383. AUTOMOBILE ENAMELS. ENGLANDER'S ENCO AUTO PAINT SHOPS, Detroit, Mich.
Filed November 17, 1924. Serial No. 205,401. PUBLISHED MARCH 31, 1925.

199,384. HOSIERY. H. S. TOUMA CO., INC., New York, N. Y.
Filed November 15, 1924. Serial No. 205,377. PUBLISHED MARCH 31, 1925.

199,385. CANDIES. THE ADAM HOFFMAN COMPANY, Cleveland, Ohio.
Filed May 2, 1924. Serial No. 196,458. PUBLISHED MARCH 24, 1925.

199,386. BUTTER. HYSER BROS., Minneapolis, Minn.
Filed April 26, 1924. Serial No. 196,164. PUBLISHED MARCH 3, 1925.

199,387. LEMONADE, NONALCOHOLIC, MALTLESS SOFT DRINKS, AND ESSENCES AND EXTRACTS FOR PREPARING SUCH DRINKS. ANDERS LINDAHL, Stockholm, Sweden.
Filed April 21, 1924. Serial No. 195,896. PUBLISHED SEPTEMBER 23, 1924.

199,388. CANNED SALMON. A. HUNTABLE, Sydney, Australia.
Filed April 12, 1924. Serial No. 195,447. PUBLISHED MARCH 24, 1925.

199,389. AN ADHESIVE RAT-CATCHING COMPOUND IN THE FORM OF A PASTY SEMIFLUID MATERIAL. FEDERAL LABORATORIES, Chicago, Ill.
Filed April 10, 1924. Serial No. 195,269. PUBLISHED JULY 22, 1924.

199,390. WHEAT FLOUR. WELLS-ABBOTT-NIEMAN CO., INC., Schuyler, Nebr.
Filed April 7, 1924. Serial No. 195,146. PUBLISHED JUNE 17, 1924.

199,391. BRAKE AND CLUTCH LININGS OF MOLDED FRICTION MATERIAL. THOMAS L. GATKE, Chicago, Ill.
Filed April 3, 1924. Serial No. 194,916. PUBLISHED MARCH 17, 1925.

199,392. COTTON PIECE GOODS. HANSAHOE MFG. CO., Valley Falls, R. I.
Filed April 2, 1924. Serial No. 194,863. PUBLISHED MARCH 24, 1925.

199,393. FIBER WALL BOARD, GYPSUM WALL BOARD, GYPSUM PLASTER, PREPARED SHEET ROOFING, ROOFING TILES, SHINGLES, SHINGLE SLABS, AND ROOFING CEMENTS. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y.
Filed March 24, 1924. Serial No. 194,327. PUBLISHED MARCH 17, 1925.

199,394. WOODEN LATHS AND COMPOSITE WOOD AND PAPER LATHS. IVAR FALLENIUS, Gottenborg, Sweden.
Filed March 21, 1924. Serial No. 194,172. PUBLISHED MARCH 17, 1925.

199,395. PIPE ORGANS SUCH AS CHURCH ORGANS, CONCERT ORGANS, AND PARLOR ORGANS, AND MOUTH HARPS (HARMONIUMS). OSCAR WALCKER, doing business as E. F. Walcker & Co., Ludwigsburg, Germany.
Filed March 19, 1924. Serial No. 194,091. PUBLISHED MARCH 24, 1925.

199,396. FLAPS FOR AUTOMOBILE RIMS. NORTH EASTERN RUBBER CO., Elizabeth, N. J.
Filed March 1, 1924. Serial No. 193,117. PUBLISHED MARCH 3, 1925.

199,397. BRUSHES FOR USE ON ELECTRIC MOTORS AND GENERATORS. THESE BRUSHES ARE VARIABLY MADE OF CARBON, CARBON GRAPHITE, GRAPHITE METAL, AND ALL METAL. THE UNITED STATES GRAPHITE CO., Saginaw, Mich.
Filed February 16, 1924. Serial No. 192,456. PUBLISHED MARCH 24, 1925.

199,398. FRESH VEGETABLES. FARM PRODUCTS SALES CO., INC., Hayward, Calif.
Filed February 8, 1924. Serial No. 192,014. PUBLISHED MARCH 24, 1925.

199,399. ELECTRIC-LIGHT VEHICLE SIGNALS FOR DIRECTING PEDESTRIANS AND VEHICLES AS TO MOVEMENT OF THE VEHICLE TO WHICH SUCH VEHICLE SIGNAL IS ATTACHED. EDWARD G. FROST, Los Angeles, Calif.
Filed January 21, 1924. Serial No. 191,068. PUBLISHED MARCH 24, 1925.

199,400. INCANDESCENT ELECTRIC LAMPS. MAGYAR WOLFRAMLÁMPAGYÁR KEMENESSKY JÁNOS RÉSZVÉNYTÁRSASÁG, Budapest, Hungary.
Filed December 29, 1923. Serial No. 190,261. PUBLISHED MARCH 24, 1925.

199,401. PHOSPHATE. TENNESSEE COAL, IRON & RAILROAD COMPANY, Birmingham, Ala.
Filed December 24, 1923. Serial No. 190,069. PUBLISHED OCTOBER 21, 1924.

199,402. COCOA. M. T. E. V. RADEMAKER'S KON. CACAO & CHOCOLADE FABRIEKEN, The Hague, Netherlands.
Filed December 12, 1923. Serial No. 189,571. PUBLISHED APRIL 15, 1924.

199,403. OILCLOTH AND OILCLOTH TABLE COVERS. THE STANDARD TEXTILE PRODUCTS COMPANY, Youngstown, Ohio, and New York, N. Y.
Filed December 10, 1923. Serial No. 189,482. PUBLISHED MARCH 24, 1925.

199,404. LIVE BABY CHICKS, LIVE POULTRY, AND HATCHING EGGS. PAUL F. SMITH, Landis Township, Cumberland County, N. J.
Filed December 6, 1923. Serial No. 189,338. PUBLISHED MARCH 24, 1925.

199,405. PERFUMES, TOILET WATERS, COLD CREAM, AND VANISHING CREAM. JAMES H. TOWEY, doing business as The Towey Company, Minneapolis, Minn.
Filed January 19, 1925. Serial No. 208,323. PUBLISHED MARCH 10, 1925.

199,406. WARM-AIR FURNACES. STANDARD FOUNDRY AND MANUFACTURING COMPANY, De Kalb, Ill.
Filed January 19, 1925. Serial No. 208,316. PUBLISHED MARCH 24, 1925.

199,407. STRUCTURAL-STEEL BARS. LATROBE ELECTRIC STEEL COMPANY, Latrobe, Pa.
Filed January 19, 1925. Serial No. 208,300. PUBLISHED MARCH 24, 1925.

199,408. CHILDREN'S DRESSES. SOL. KLEIN, INC., doing business as Klein Bros., Chicago, Ill.
Filed January 19, 1925. Serial No. 208,297. PUBLISHED MARCH 24, 1925.

199,409. BELTING. THE CONTINENTAL SUPPLY COMPANY, St. Louis, Mo.
Filed January 19, 1925. Serial No. 208,280. PUBLISHED MARCH 24, 1925.

199,410. BRAKE LINING. CHARLES D. SCHMIDT, doing business as Charles D. Schmidt Co., Jamaica, N. Y.
Filed January 17, 1925. Serial No. 208,263. PUBLISHED MARCH 24, 1925.

199,411. CANNED VEGETABLES—NAMELY, CANNED CORN, CANNED BEANS, AND CANNED PORK AND BEANS. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 17, 1925. Serial No. 208,246. PUBLISHED MARCH 24, 1925.

199,412. CANNED VEGETABLES—NAMELY, CANNED CORN. IROQUOIS CANNING CORPORATION, Onarga, Ill.
Filed January 17, 1925. Serial No. 208,245. PUBLISHED MARCH 24, 1925.

199,413. FRESH CITROUS FRUITS. DE SOTO CITRUS SUB EXCHANGE, Arcadia, Fla.
Filed January 15, 1925. Serial No. 208,128. PUBLISHED MARCH 24, 1925.

199,414. FLAVORS FOR FOODS. SOUTHERN BEVERAGE COMPANY, Galveston, Tex.
Filed January 14, 1925. Serial No. 208,113. PUBLISHED MARCH 24, 1925.

199,415. PHONOGRAPH RECORDS. MOON RECORD CORPORATION, New York, N. Y.
Filed January 13, 1925. Serial No. 208,064. PUBLISHED MARCH 24, 1925.

199,416. BRACELETS, BAR PINS, BROOCHES, BARRINGS, NECKLACES, AND MESH BAGS, POWDER-COMPACT CASES, AND VANITY CASES MADE OF OR PLATED WITH PRECIOUS METAL. COHN & ROSENBERGER, INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,042. PUBLISHED MARCH 24, 1925.

199,417. CAKE FLOUR. MINER-HILLARD MILLING CO., Wilkes-Barre, Pa.
Filed January 12, 1925. Serial No. 207,968. PUBLISHED MARCH 17, 1925.

199,418. FLAT AND ROUND LEATHER BELTING. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed January 12, 1925. Serial No. 207,963. PUBLISHED MARCH 17, 1925.

199,419. WOMEN'S AND MISSES' DRESSES, FROCKS, SKIRTS, COATS, BLOUSES, AND SUITS. PEARLMAN-JELENKO INCORPORATED, New York, N. Y.
Filed January 10, 1925. Serial No. 207,948. PUBLISHED MARCH 24, 1925.

199,420. MATCHES. JULIO ROJAS, New York, N. Y.
Filed January 8, 1925. Serial No. 207,830. PUBLISHED MARCH 24, 1925.

199,421. EGGS. WITT'S MARKET HOUSE, Minneapolis, Minn.
Filed January 6, 1925. Serial No. 207,772. PUBLISHED MARCH 10, 1925.

199,422. WEATHER STRIPPING. GERSTEIN BROTHERS, New York, N. Y.
Filed January 6, 1925. Serial No. 207,735. PUBLISHED MARCH 3, 1925.

199,423. WATCH AND CLOCK MOVEMENTS. FÉDÉRATION SUISSE DES ASSOCIATIONS DE FABRICANTS D'HORLOGERIE, Bienne, Switzerland.
Filed January 5, 1925. Serial No. 207,659. PUBLISHED MARCH 24, 1925.

199,424. LEATHER SHOES AND CHILDREN'S ROMPERS. HAROLD S. WITTMAAK, Erie, Pa.
Filed January 3, 1925. Serial No. 207,641. PUBLISHED MARCH 24, 1925.

199,425. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,357. PUBLISHED MARCH 3, 1925.

199,426. BRICK. ACME BRICK COMPANY, Fort Worth, Tex.
Filed December 29, 1924. Serial No. 207,333. PUBLISHED MARCH 3, 1925.

199,427. BRICK. ACME BRICK COMPANY, Fort Worth, Tex.
Filed December 29, 1924. Serial No. 207,331. PUBLISHED MARCH 3, 1925.

199,428. MEN'S SUITS, OVERCOATS, AND RAINCOATS. NATIONAL CLOAK & SUIT COMPANY, New York, N. Y.
Filed December 27, 1924. Serial No. 207,310. PUBLISHED MARCH 24, 1925.

199,429. TIRES. AJAX RUBBER COMPANY, INC., Millbrook, N. Y.
Filed December 27, 1924. Serial No. 207,282. PUBLISHED MARCH 3, 1925.

199,430. ROLLED OATS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed December 26, 1924. Serial No. 207,258. PUBLISHED MARCH 3, 1925.

199,431. ROLLED OATS. THE QUAKER OATS COMPANY, Chicago, Ill.
Filed December 26, 1924. Serial No. 207,257. PUBLISHED MARCH 31, 1925.

199,432. CANDY. ROCKFORD CANDY MANUFACTURING CO., Rockford, Ill.
Filed December 24, 1924. Serial No. 207,204. PUBLISHED MARCH 24, 1925.

199,433. NONOSCILLATING ELECTRIC FANS, OSCILLATING ELECTRIC FANS, ELECTRIC CEILING FANS, ELECTRIC COLUMN FANS, ELECTRIC VENTILATING FANS, ELECTRIC EXHAUST FANS, AND ELECTRIC MOTORS. THE EMERSON ELECTRIC MFG. CO., St. Louis, Mo.
Filed December 24, 1924. Serial No. 207,183. PUBLISHED MARCH 24, 1925.

199,434. BRICK, TILE, AND OTHER COARSE CLAY PRODUCTS. BRADFORD BRICK AND TILE COMPANY, Bradford, Pa.
Filed December 24, 1924. Serial No. 207,175. PUBLISHED MARCH 3, 1925.

199,435. ROOFING IN SHEETS, ROLLS, AND SHINGLES. AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo.
Filed December 23, 1924. Serial No. 207,117. PUBLISHED FEBRUARY 24, 1925.

199,436. ASPHALT ROOFING IN SHEETS, ROLLS, AND SHINGLES. AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo.
Filed December 23, 1924. Serial No. 207,116. PUBLISHED MARCH 24, 1925.

199,437. ROOF ASPHALT. AMERICAN ASPHALT ROOF CORPORATION, Kansas City, Mo.
Filed December 23, 1924. Serial No. 207,115. PUBLISHED MARCH 24, 1925.

199,438. TEXTILE FABRICS ENAMELED OR RENDERED WATERPROOF. THE STANDARD TEXTILE PRODUCTS COMPANY, New York, N. Y.
Filed December 22, 1924. Serial No. 207,105. PUBLISHED MARCH 3, 1925.

199,439. SHOCK ABSORBERS FOR MOTOR VEHICLES. THE BAUER-STUART COMPANY, Springfield, Ohio.
Filed December 22, 1924. Serial No. 207,054. PUBLISHED MARCH 3, 1925.

199,440. ELECTRIC HEATING PADS, ELECTRIC MARCEL IRONS, ELECTRIC SOLDERING IRONS, AND ELECTRIC FLATIRONS. THE FRANK E. WOLCOTT MANUFACTURING COMPANY, Hartford, Conn.
Filed December 20, 1924. Serial No. 207,049. PUBLISHED MARCH 24, 1925.

199,441. WOOD, COAL, GAS, AND OIL STOVES AND COMBINATION WOOD AND COAL AND GAS AND OIL RANGES. MIDWEST STOVE & RANGE COMPANY, Belleville, Ill.
Filed December 20, 1924. Serial No. 207,024. PUBLISHED MARCH 24, 1925.

199,442. CHEESE. GERBER & CO., INC., New York, N. Y.
Filed December 20, 1924. Serial No. 207,009. PUBLISHED MARCH 24, 1925.

199,443. CHEESE. GERBER & CO., INC., New York, N. Y.
Filed December 20, 1924. Serial No. 207,008. PUBLISHED MARCH 24, 1925.

199,444. DAIRY, STOCK, AND POULTRY FEEDS. EMPIRE GRAIN & ELEVATOR COMPANY, Binghamton, N. Y.
Filed December 20, 1924. Serial No. 207,002. PUBLISHED MARCH 17, 1925.

199,445. DAIRY, STOCK, AND POULTRY FEEDS. EMPIRE GRAIN & ELEVATOR COMPANY, Binghamton, N. Y.
Filed December 20, 1924. Serial No. 207,000. PUBLISHED MARCH 17, 1925.

199,446. HYDRATED LIME. ALLWOOD LIME COMPANY, Manitowoc, Wis.
Filed December 20, 1924. Serial No. 206,987. PUBLISHED MARCH 24, 1925.

199,447. RADIO RECEIVING SETS. A. H. GREBE & CO., INC., Richmond Hill, N. Y.
Filed December 5, 1924. Serial No. 206,803. PUBLISHED MARCH 24, 1925.

199,448. CEREAL FOOD PRODUCTS. WASHBURN CROSBY COMPANY, Minneapolis, Minn.
Filed December 5, 1924. Serial No. 206,886. PUBLISHED MARCH 24, 1925.

199,449. PISTON RINGS. FEDDERS MANUFACTURING COMPANY, INC., Buffalo, N. Y.
Filed December 6, 1924. Serial No. 206,847. PUBLISHED MARCH 3, 1925.

199,450. RADIO EQUIPMENT—NAMELY, HEAD PHONES, TUNING COILS, CONDENSERS, CRYSTAL RECEIVING SETS, KNOCKDOWN KITS FOR COMPLETE RECEIVING SETS, BROADCAST TUNERS COMPRISING ASSEMBLED UNITS FOR TUNING. LEE ELECTRIC & MANUFACTURING CO., San Francisco, Calif.
Filed December 8, 1924. Serial No. 206,416. PUBLISHED MARCH 24, 1925.

199,451. PASTEURIZED AND UNPASTEURIZED FRESH COW'S MILK. SUNSHINE CREAMERY, INC., Miami, Fla.
Filed December 8, 1924. Serial No. 206,443. PUBLISHED FEBRUARY 24, 1925.

199,452. CLAY PRODUCTS (INTERLOCKING TILE, HOLLOW BUILDING TILE, FACE BRICK, SEWER PIPE) AND BRICK. THE UNITED CLAY PRODUCTS COMPANY, Washington, D. C.
Filed December 10, 1924. Serial No. 206,548. PUBLISHED MARCH 17, 1925.

199,453. LUMBER OF ALL KINDS TREATED BY IMPREGNATION WITH WOLMAN SALTS OR OTHER WOOD-PRESERVING AND FIRE-RESISTING PREPARATIONS OR COMPOUNDS OR PLANT, FUNGUS, AND ANIMAL DESTROYING PREPARATIONS OR COMPOUNDS. AMERICAN WOOD IMPREGNATION CORPORATION, New York, N. Y.
Filed December 12, 1924. Serial No. 206,602. PUBLISHED MARCH 10, 1925.

199,454. WOVEN-FABRIC BRAKE AND TRANSMISSION LININGS CONTAINING THREADS OF METAL AND ASBESTOS. DAVID W. SCHELTER, doing business as Tested Weaving & Belting Co., Rochester, N. Y.
Filed December 12, 1924. Serial No. 206,638. PUBLISHED MARCH 3, 1925.

199,455. CANNED FRUITS AND RAISINS, DRIED FRUITS, EVAPORATED FRUITS, CANNED SHELLFISH, ALBUMEN, WALNUTS (IN SHELL), WALNUT MEATS IN THEIR NATURAL STATE, PEANUTS IN THEIR NATURAL STATE, DRIED BEANS, DRIED PEAS, BIRDSEED, SUGAR, COFFEE, TEA, SAUSAGE CASINGS, SPICES, AND TAPIOCA. PACIFIC ORIENT COMPANY, San Francisco, Calif.
Filed December 13, 1924. Serial No. 206,681. PUBLISHED MARCH 24, 1925.

199,456. CIGARETTE CASE FOR CARRYING A SUPPLY OF CIGARETTES. THE SANI-FOLD COMPANY, INC., Arlington, N. J.
Filed December 15, 1924. Serial No. 206,751. PUBLISHED MARCH 24, 1925.

199,457. COFFEE. GREGORIO DE MARQUES, New York, N. Y.
Filed December 16, 1924. Serial No. 206,769. PUBLISHED FEBRUARY 3, 1925.

199,458. PREPARED FOODS—NAMELY, SANDWICHES, PIE, CAKE, AND PASTRY. THE GLOBE DAIRY LUNCH CO. INC., Los Angeles, Calif.
Filed December 16, 1924. Serial No. 206,779. PUBLISHED MARCH 24, 1925.

199,459. RADIO RECEIVING SETS. CHRISTIAN E. JETTER, New York, N. Y.
Filed December 16, 1924. Serial No. 206,786. PUBLISHED MARCH 24, 1925.

199,460. COAL, COKE, AND BRIQUETTES. WILLIAM C. ATWATER & CO., INCORPORATED, New York, N. Y.
Filed December 17, 1924. Serial No. 206,821. PUBLISHED MARCH 24, 1925.

199,461. WATERPROOFED OR UNWATERPROOFED ARTICLES—VIZ, TENTS, TARPAULINS, TRUCK COVERS, WAGON COVERS, SHOWER-BATH CURTAINS, HAYSTACK CURTAINS, AND MACHINE COVERS. CHICAGO TEXTILE PRODUCTS COMPANY, Chicago, Ill.
Filed December 17, 1924. Serial No. 206,826. PUBLISHED MARCH 17, 1925.

199,462. CONDENSATION PRODUCTS OF PHENOL AND FORMALDEHYDE, BEING MASSES FROM WHICH MAY BE MADE ARTICLES WHICH ARE FREQUENTLY MADE OF AMBER, VULCANITE, IVORY, BONE, CORAL, GLASS, PEBBLE CRYSTAL, PORCELAIN, HALF-PRECIOUS STONES, AND THE LIKE. KUNSTHARZFABRIK DR. FRITZ POLLAK GESELLSCHAFT M. B. H., Vienna, Austria.
Filed December 17, 1924. Serial No. 206,853. PUBLISHED MARCH 3, 1925.

199,463. CANNED FISH. F. E. BOOTH CO., San Francisco, Calif.
Filed December 18, 1924. Serial No. 206,877. PUBLISHED MARCH 24, 1925.

199,464. SUCTION-CUP DEVICES FOR HOLDING PURPOSES. MAYER MANUFACTURING CORPORATION, Chicago, Ill.
Filed December 18, 1924. Serial No. 206,900. PUBLISHED MARCH 24, 1925.

199,465. CEREAL BREAKFAST FOOD. MARION M. PLAYAN, doing business as Eagle Mills, Los Angeles, Calif.
Filed December 18, 1924. Serial No. 206,919. PUBLISHED MARCH 24, 1925.

199,466. GARDEN, FIELD, GRASS, AND FLOWER SEEDS. SIOUX CITY SEED CO., Sioux City, Iowa.
Filed December 19, 1924. Serial No. 206,978. PUBLISHED MARCH 24, 1925.

199,467. WHEAT FLOUR. CLEVELAND MILLING COMPANY, Cleveland, Tenn.
Filed January 2, 1925. Serial No. 207,555. PUBLISHED MARCH 17, 1925.

199,468. RADIOCORDS AND ELECTRICAL CORDS. AMERICAN FABRIC CO., INC., Providence, R. I.
Filed January 2, 1925. Serial No. 207,544. PUBLISHED MARCH 24, 1925.

199,469. CEMENT WASHTUBS. SAMSON GRANITE COMPANY, INC., Tenafly, N. J.
Filed December 31, 1924. Serial No. 207,527. PUBLISHED MARCH 24, 1925.

199,470. ACCORDIONS. M. HOHNER, INC., New York, N. Y.
Filed December 31, 1924. Serial No. 207,506. PUBLISHED MARCH 24, 1925.

199,471. SEMIMETALLIC PACKING. GEORGE H. BAUSMAN, doing business as The Oriole Packing Company, Baltimore, Md.
Filed December 31, 1924. Serial No. 207,488. PUBLISHED MARCH 3, 1925.

199,472. SAUSAGE. THE ROSELAND FARM AND MANUFACTURING CO., Warrensburg, Mo.
Filed December 30, 1924. Serial No. 207,476. PUBLISHED MARCH 3, 1925.

199,473. RUBBER TIRES FOR VEHICLES. PIRELLI & C., Milan, Italy.
Filed December 30, 1924. Serial No. 207,473. PUBLISHED MARCH 3, 1925.

199,474. MEN'S AND YOUNG MEN'S READY-MADE SUITS AND OVERCOATS. THE MADE-RIGHT TAILORING AND CLOTHING CO., Baltimore, Md.
Filed December 30, 1924. Serial No. 207,467. PUBLISHED MARCH 24, 1925.

199,475. ELECTRICAL IGNITION APPARATUS. GENERAL MOTORS CORPORATION, Detroit, Mich., and Anderson, Ind.
Filed December 30, 1924. Serial No. 207,456. PUBLISHED MARCH 24, 1925.

199,476. GLASS. CHANCE BROTHERS & CO. LIMITED, West Smethwick, England.
Filed December 30, 1924. Serial No. 207,448. PUBLISHED MARCH 24, 1925.

199,477. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,383. PUBLISHED MARCH 10, 1925.

199,478. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,380. PUBLISHED MARCH 10, 1925.

199,479. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,378. PUBLISHED MARCH 10, 1925.

199,480. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,372. PUBLISHED MARCH 10, 1925.

199,481. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,369. PUBLISHED MARCH 3, 1925.

199,482. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,368. PUBLISHED MARCH 3, 1925.

199,483. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,364. PUBLISHED MARCH 3, 1925.

199,484. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,363. PUBLISHED MARCH 3, 1925.

199,485. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,360. PUBLISHED MARCH 3, 1925.

199,486. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,358. PUBLISHED MARCH 3, 1925.

199,487. CHEESE. J. L. KRAFT & BROS. CO., Chicago, Ill., assignor to Kraft Cheese Company, Chicago, Ill., a Corporation of Illinois.
Filed December 6, 1923. Serial No. 189,319. PUBLISHED MARCH 3, 1925.

199,488. CHEESE. J. L. KRAFT & BROS. CO., Chicago, Ill., assignor to Kraft Cheese Company, Chicago, Ill., a Corporation of Illinois.
Filed December 6, 1923. Serial No. 189,317. PUBLISHED MARCH 3, 1925.

199,489. CERTAIN PIECE GOODS. PEERLESS PLUSH MANUFACTURING COMPANY, Paterson, N. J.
Filed November 24, 1923. Serial No. 188,859. PUBLISHED MARCH 10, 1925.

199,490. CARBIDE LAMPS. A. L. HANSEN MANUFACTURING CO., Chicago, Ill.
Filed November 22, 1923. Serial No. 188,676. PUBLISHED MARCH 10, 1925.

199,491. BREAD. CARL SULZER & COMPANY, Chicago, Ill.
Filed November 13, 1923. Serial No. 188,281. PUBLISHED JANUARY 15, 1924.

199,492. CORNETS, TRUMPETS, SLIDE TROMBONES, VALVE TROMBONES, MELLOPHONES, AND ALTO, BARITONE, E♭ BASS, AND B♭ BASS HORNS. LYON & HEALY, INC., Chicago, Ill.
Filed October 22, 1923. Serial No. 187,327. PUBLISHED MARCH 24, 1925.

199,493. GAME PLAYED WITH PIECES SOMEWHAT SIMILAR TO DOMINOES. ASHTON & RIETS, Chicago, Ill.
Filed October 10, 1923. Serial No. 186,769. PUBLISHED MARCH 24, 1925.

199,494. OZONE GENERATORS. THE AIR CONDITIONING & ENGINEERING CO., St. Louis, Mo.
Filed September 24, 1923. Serial No. 186,098. PUBLISHED MARCH 24, 1925.

199,495. WORK SHIRTS, UNDERWEAR OF KNITTED AND TEXTILE FABRICS, AND OVERALLS AND WORK JACKETS FOR MEN; ALSO HOSIERY FOR MEN, WOMEN, AND CHILDREN. LOUIS WOLFSON, doing business as The East Coast Jobbing House, Miami, Fla.
Filed September 1, 1923. Serial No. 185,279. PUBLISHED MARCH 24, 1925.

199,496. PANCAKE FLOUR. POKODOT CEREAL COMPANY, Fargo, N. Dak.
Filed May 28, 1923. Serial No. 181,310. PUBLISHED SEPTEMBER 25, 1923.

199,497. WHEAT FLOUR, GRAHAM FLOUR, RYE FLOUR, GLUTEN FLOUR, PASTRY FLOUR, CORN MEAL, AND ROLLED OATS. FRANK W. FOYE, doing business as Frank W. Foye Company, Lowell, Mass.
Filed February 23, 1923. Serial No. 176,458. PUBLISHED FEBRUARY 17, 1925.

199,498. CANNED MILK. C. N. CRAMER CO., Ashland, Wis.
Filed January 22, 1923. Serial No. 174,892. PUBLISHED MARCH 10, 1925.

199,499. FLOUR MADE FROM WHEAT. PILLSBURY FLOUR MILLS COMPANY, Minneapolis, Minn.
Filed December 15, 1922. Serial No. 173,380. PUBLISHED SEPTEMBER 30, 1924.

199,500. BREAD. WARD BAKING COMPANY, New York, N. Y.
Filed November 29, 1922. Serial No. 172,698. PUBLISHED MARCH 20, 1923.

199,501. FOOD SIRUPS. TAKAMINE LABORATORY, INC., Clifton, N. J.
Filed February 14, 1923. Serial No. 176,051. PUBLISHED MARCH 24, 1925.

199,502. MAYONNAISE. HERBERT H. SHANNON, doing business as The Waldorf Products Corporation, Hillside Township, Union County, N. J.
Filed September 11, 1922. Serial No. 169,330. PUBLISHED MARCH 24, 1925.

199,503. MOTOR TRUCKS. TRAFFIC MOTOR TRUCK CORPORATION, St. Louis, Mo.
Filed October 31, 1921. Serial No. 154,853. PUBLISHED JANUARY 3, 1922.

199,504. CEMENT, BUILDING BLOCKS, AND BUILDING TILE. BLYSTONE MANUFACTURING COMPANY, Cambridge Springs, Pa.
Filed December 8, 1920. Serial No. 140,772. PUBLISHED MARCH 17, 1925.

199,505. SHOE LASTS, BLIND AWNINGS, ANIMAL TRAPS, ETC. AMERICAN WHOLESALE CORPORATION (BALTIMORE BARGAIN HOUSE), Baltimore and Cumberland, Md.
Filed August 13, 1920. Serial No. 136,054. PUBLISHED MARCH 24, 1925.

199,506. CANDIES AND CAKES IN WHICH BRANS OR GRAINS UNGROUND OR PARTLY GROUND FORM AN IMPORTANT PART. THE GRAIN FOOD CANDY COMPANY, Bridgeport, Conn.
Filed January 26, 1925. Serial No. 208,650. PUBLISHED MARCH 24, 1925.

199,507. GROUND POLISHED PLATE GLASS. DEUTSCHE SPIEGELGLAS AUSFUHR GESELLSCHAFT M. B. H., Aachen, Germany.
Filed January 24, 1925. Serial No. 208,576. PUBLISHED MARCH 24, 1925.

199,508. MEN'S, WOMEN'S, AND CHILDREN'S HOSIERY. JOSEPH H. CLARK, San Francisco, Calif.
Filed January 24, 1925. Serial No. 208,568. PUBLISHED MARCH 24, 1925.

199,509. THREAD. BRITTON THREADS, INC., Pawtucket, R. I.
Filed January 24, 1925. Serial No. 208,562. PUBLISHED MARCH 24, 1925.

199,510. THREAD. BRITTON THREADS, INC., Pawtucket, R. I.
Filed January 24, 1925. Serial No. 208,560. PUBLISHED MARCH 24, 1925.

199,511. NEGLIGEE, DRESS, AND WORK SHIRTS, NIGHTSHIRTS, PYJAMAS, AND BOYS' BLOUSES. S. LIEBOVITS & SONS, INC., New York, N. Y.
Filed January 22, 1925. Serial No. 208,472. PUBLISHED MARCH 24, 1925.

199,512. ABSORBENT COTTON AND GAUZE. JAMES A. HEARN & SON, INC., New York, N. Y.
Filed January 22, 1925. Serial No. 208,468. PUBLISHED MARCH 24, 1925.

199,513. ELECTRICAL CONDENSERS. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed January 22, 1925. Serial No. 208,444. PUBLISHED MARCH 24, 1925.

199,514. CHEESE. HOLLAND FOOD CORPORATION, New York, N. Y.
Filed January 21, 1925. Serial No. 208,398. PUBLISHED MARCH 24, 1925.

199,515. TEXTILE ARTICLES—NAMELY, HOSIERY. BEAR BRAND HOSIERY CO., Chicago, Ill.
Filed January 21, 1925. Serial No. 208,374. PUBLISHED MARCH 10, 1925.

199,516. PAINTS AND INGREDIENTS. E. I. DU PONT DE NEMOURS AND COMPANY, Wilmington, Del.
Filed May 28, 1921. Serial No. 148,378. PUBLISHED MARCH 24, 1925.

199,517. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. JAS. M. DUPISCH BOTTLING CO., St. Louis, Mo.
Filed February 6, 1925. Serial No. 209,159. PUBLISHED MARCH 31, 1925.

199,518. MEN'S MERCERIZED-COTTON HALF HOSE. VICTORY HOSIERY MILLS, Burlington, N. C.
Filed February 3, 1925. Serial No. 209,068. PUBLISHED MARCH 31, 1925.

199,519. PERIODIC PUBLICATIONS OCCASIONALLY PUBLISHED, RELATIVE TO SOCIAL AND APPLIED PSYCHOLOGY. THE CARTESIAN RESEARCH SOCIETY, Philadelphia, Pa., and Gloucester, Mass.
Filed February 3, 1925. Serial No. 209,022. PUBLISHED MARCH 24, 1925.

199,520. GAME OF THE TYPE OF "GO-BANG" PLAYED WITH PEGS, FOR ADULTS AND CHILDREN. PARKER BROTHERS, Portland, Me., and Salem, Mass.
Filed February 2, 1925. Serial No. 208,996. PUBLISHED MARCH 31, 1925.

199,521. BOOTS AND SHOES MADE OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC. FIELD & FLINT CO., Boston and Brockton, Mass.
Filed February 2, 1925. Serial No. 208,975. PUBLISHED MARCH 17, 1925.

199,522. PERIODICAL PUBLISHED BIWEEKLY. WILSON J. DUNCAN, Kansas City, Mo.
Filed February 2, 1925. Serial No. 208,962. PUBLISHED MARCH 24, 1925.

199,523. BIAS TAPE. THE I. E. PALMER COMPANY, Middletown, Conn.
Filed January 31, 1925. Serial No. 208,925. PUBLISHED MARCH 17, 1925.

199,524. NOM DE PLUME ON MONTHLY PUBLICATIONS AND PAMPHLETS OF RECIPES ISSUED FROM TIME TO TIME. JEWEL TEA CO., INC., Chicago, Ill.
Filed January 30, 1925. Serial No. 208,851. PUBLISHED MARCH 24, 1925.

199,525. LEATHER SHOES. EDMONDS SHOE COMPANY, doing business as Trans-Continental Shoe Company, Milwaukee, Wis.
Filed January 30, 1925. Serial No. 208,846. PUBLISHED MARCH 17, 1925.

199,526. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS, MADE WHOLLY OR IN PART OF LEATHER, RUBBER, CANVAS, OR TEXTILE MATERIAL. THE MUNROE SHOE COMPANY, INC., Auburn, Me.
Filed January 29, 1925. Serial No. 208,818. PUBLISHED MARCH 17, 1925.

199,527. MEN'S, WOMEN'S, AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS OF LEATHER, RUBBER, FELT, SILK, CLOTH, OR OTHER FABRIC CONSTRUCTION. THOMAS G. PLANT COMPANY, Boston, Mass.
Filed January 28, 1925. Serial No. 208,776. PUBLISHED MARCH 17, 1925.

199,528. WATERPROOF COATS AND CAPES FOR MEN, WOMEN, OR CHILDREN. NEW YORK MACKINTOSH CLOTHING COMPANY, New York, N. Y.
Filed January 28, 1925. Serial No. 208,773. PUBLISHED MARCH 31, 1925.

199,529. SHOES FOR MEN, WOMEN, AND CHILDREN, MADE OF LEATHER, RUBBER, OR FABRIC AND COMBINATIONS OF THESE MATERIALS. B. FRIEDMAN SHOE CO. INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,756. PUBLISHED MARCH 17, 1925.

199,530. NEWSPAPERS PUBLISHED DAILY. SOCIALISTIC CO-OPERATIVE PUBLISHING ASSOCIATION, New York, N. Y.
Filed January 26, 1925. Serial No. 208,683. PUBLISHED MARCH 24, 1925.

199,531. NEWSPAPER PUBLISHED DAILY. SOCIALISTIC CO-OPERATIVE PUBLISHING ASSOCIATION, New York, N. Y.
Filed January 26, 1925. Serial No. 208,682. PUBLISHED MARCH 24, 1925.

199,532. ALL KINDS OF MEN'S SUITS, INCLUDING SPORT SUITS AND GOLF SUITS, COATS, VESTS, TROUSERS, OVERCOATS, RAINCOATS, SWEATERS, JACKETS, AND GOLF HOSE. JOHN DAVID, New York, N. Y.
Filed January 24, 1925. Serial No. 208,573. PUBLISHED MARCH 31, 1925.

199,533. DOLLS. GEO. BONGEELDT & CO., New York, N. Y.
Filed January 24, 1925. Serial No. 208,558. PUBLISHED MARCH 31, 1925.

199,534. COMBS. CEREAL SOAPS COMPANY, INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,507. PUBLISHED MARCH 17, 1925.

199,535. COMPOUND FOR SHORTENING, BAKING, AND COOKING COMPOSED IN PART OF COCONUT OIL AND A SMALL AMOUNT OF PEANUT OIL. THE BALTIMORE BUTTERINE COMPANY, Baltimore, Md.
Filed January 23, 1925. Serial No. 208,500. PUBLISHED MARCH 31, 1925.

199,536. GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK AND SIRUP FOR MAKING THE SAME. JACK BEVERAGES, INC., New York, N. Y.
Filed January 22, 1925. Serial No. 208,466. PUBLISHED MARCH 31, 1925.

199,537. MONTHLY MAGAZINE. WESTERN FRUIT, INC., Seattle, Wash.
Filed January 21, 1925. Serial No. 208,442. PUBLISHED MARCH 24, 1925.

199,538. NEWSPAPERS. D. DE LONEY, Fort Benjamin Harrison, Indianapolis, Ind.
Filed January 21, 1925. Serial No. 208,384. PUBLISHED MARCH 31, 1925.

199,539. MAGAZINE SECTION. A. W. SHAW COMPANY, Chicago, Ill.
Filed January 19, 1925. Serial No. 208,315. PUBLISHED MARCH 24, 1925.

199,540. FISHING TACKLE—NAMELY, CASTING LINES AND TRACES. HENRY MILWARD & SONS LTD., Redditch, England.
Filed January 19, 1925. Serial No. 208,306. PUBLISHED MARCH 31, 1925.

199,541. HOSIERY. S. S. KRESGE COMPANY, Detroit, Mich.
Filed January 19, 1925. Serial No. 208,298. PUBLISHED MARCH 31, 1925.

199,542. LOOSE-LEAF-BINDER PAPER LININGS. FEDERBUSH BROTHERS, New York, N. Y.
Filed January 17, 1925. Serial No. 208,283. PUBLISHED MARCH 17, 1925.

199,543. SEMIMONTHLY PUBLICATION. OKLAHOMA PUBLISHING CO., Oklahoma City, Okla.
Filed January 15, 1925. Serial No. 208,158. PUBLISHED MARCH 31, 1925.

199,544. HYDROCARBON DRY CLEANER AND SPOT REMOVER FOR TEXTILE AND OTHER GOODS. CUSACK M. RILEY, doing business as Lake Manufacturing Company, Minneapolis, Minn.
Filed January 12, 1925. Serial No. 208,014. PUBLISHED MARCH 17, 1925.

199,545. TITLE OF A PERIODICAL CONTAINING ARCHITECTURAL PLANS. GEORGE P. MILLER, Chicago, Ill.
Filed January 12, 1925. Serial No. 207,987. PUBLISHED MARCH 17, 1925.

199,546. WOMEN'S AND CHILDREN'S HATS AND HAT LININGS. BOWDITCH & CLAFF COMPANY, Boston, Mass.
Filed January 12, 1925. Serial No. 207,964. PUBLISHED MARCH 17, 1925.

199,547. [WITHDRAWN.]

199,548. RUBBER BOOTS. THE B. F. GOODRICH COMPANY, New York, N. Y.
Filed January 8, 1925. Serial No. 207,816. PUBLISHED MARCH 17, 1925.

199,549. DAILY NEWSPAPER (SUNDAY EDITION). GLOBE NEWSPAPER COMPANY, Boston, Mass.
Filed January 8, 1925. Serial No. 207,815. PUBLISHED MARCH 17, 1925.

199,550. DAILY NEWSPAPER. GLOBE NEWSPAPER COMPANY, Boston, Mass.
Filed January 7, 1925. Serial No. 207,783. PUBLISHED MARCH 17, 1925.

199,551. MONTHLY MAGAZINE. THE LINDE AIR PRODUCTS COMPANY, New York, N. Y.
Filed January 6, 1925. Serial No. 207,749. PUBLISHED MARCH 17, 1925.

199,552. ATHLETIC SHIRTS, JERSEYS, SWEATERS, STOCKINGS, AND HALF HOSE. THE DRAPER-MAYNARD COMPANY, Plymouth, N. H.
Filed January 6, 1925. Serial No. 207,711. PUBLISHED MARCH 31, 1925.

199,553. SUNDAY MAGAZINE SECTION OF A DAILY NEWSPAPER. GLOBE NEWSPAPER COMPANY, Boston, Mass.
Filed January 5, 1925. Serial No. 207,662. PUBLISHED MARCH 17, 1925.

199,554. DAILY NEWSPAPER. GLOBE NEWSPAPER COMPANY, Boston, Mass.
Filed January 3, 1925. Serial No. 207,621. PUBLISHED MARCH 17, 1925.

199,555. OVERALLS, JUMPERS, AND COMBINATION SUITS. HOOSIER FACTORIES INC., Michigan City, Ind. Filed January 2, 1925. Serial No. 207,571. PUBLISHED MARCH 31, 1925.

199,556. DAILY NEWSPAPER. GLOBE NEWSPAPER COMPANY, Boston, Mass.
Filed January 2, 1925. Serial No. 207,561. PUBLISHED MARCH 17, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

199,557. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925. Serial No. 212,953.

AMSTERDAM

Particular description of goods.—Cotton Piece Goods.
Claims use since 1908.

199,558. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925. Serial No. 212,952.

ALBANY

Particular description of goods.—Cotton Piece Goods.
Claims use since 1908.

199,559. (CLASS 45. BEVERAGES, NONALCOHOLIC.) LANES BOTTLING WORKS, Sioux City, Iowa. Filed Apr. 16, 1925. Serial No. 212,818.

CLOUDY ORANGEADE

Particular description of goods.—A Noncereal, Maltless Beverage.
Claims use since Jan. 18, 1923.

199,560. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) STANDARD PLATE GLASS COMPANY, Pittsburgh, Pa. Filed Mar. 24, 1925. Serial No. 211,549.

Kno-Gloss

Particular description of goods.—Flat Oil Paints for Interior and Exterior Walls, Ceilings, and Similar Surfaces.
Claims use since 1912.

199,561. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLY-ROBINSON CO., Charles Town, W. Va. Filed Mar. 2, 1925. Serial No. 210,340.

WORTHEMORE



Particular description of goods.—Fresh Fruits and Vegetables.
Claims use since Aug. 1, 1923.

199,562. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) RAY L. CARTER, Syracuse, N. Y. Filed Feb. 16, 1925. Serial No. 209,615.

CARTER PRODUCTS

Particular description of goods.—Stationery and Portable Routing Machines, Shaping Machines, and Mortising Machines.
Claims use since July 1, 1923.

199,563. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BILHUBER-WAWAK COMPANY, Chicago, Ill. Filed Oct. 27, 1924. Serial No. 204,438.

ALLSEASON

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 22, 1924.

199,564. (CLASS 46. FOODS AND INGREDENTS OF FOODS.) ANTELOPE VALLEY FRUIT GROWERS ASSOCIATION, Palmdale and Littlerock, Calif. Filed Aug. 23, 1924. Serial No. 201,792.

BESTKEEPER

Particular description of goods.—Fresh Pears.
Claims use since Apr. 8, 1924.

199,565. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LINDSAY RIPE OLIVE COMPANY, Lindsay, Calif. Filed Mar. 13, 1925. Serial No. 210,969.

LINDSAY

Particular description of goods.—Canned Ripe Olives.
Claims use since Feb. 1, 1922.

199,566. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Mar. 3, 1925. Serial No. 210,445.

ASHBOURNE-1

Particular description of goods.—Collars.
Claims use since February, 1902.

199,567. (CLASS 39. CLOTHING.) CLUETT, PEABODY & CO. INC., Troy, N. Y. Filed Feb. 28, 1925. Serial No. 210,277.

ASHBOURNE-2

Particular description of goods.—Collars.
Claims use since Nov. 16, 1901.

199,568. (CLASS 39. CLOTHING.) J. GRADOW AND SON, New York, N. Y. Filed Feb. 14, 1925. Serial No. 209,872.

ART LINE
BRASSIERE

Particular description of goods.—Brassières.
Claims use since March, 1924.

199,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VERMONT PRODUCTS CORPORATION, Brattleboro, Vt. Filed Feb. 10, 1925. Serial No. 209,373.

CROYDON

Particular description of goods.—Canned Fruits, Maple Sugar, Maple Sirup, Maple Confections, Fruit Preserves, Candy, Honey, Honey Confections.
Claims use since 1922.

199,570. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX FRANK, New York, N. Y. Filed Feb. 7, 1925. Serial No. 209,211.

The Lace and Linen Store

Particular description of goods.—Decorative and Household Linens and Laces, All in the Piece.
Claims use since Mar. 1, 1913.

199,571. (CLASS 38. PRINTS AND PUBLICATIONS.) CAMPO MUSIC SERVICE CORPORATION, New York, N. Y. Filed Dec. 31, 1924. Serial No. 207,491.

Thematic

Trade-mark consists of the word "Thematic."
Particular description of goods.—Music Cue Sheets for Motion Pictures.
Claims use since Mar. 30, 1922.

199,572. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLAYNEY-MURPHY COMPANY, Denver, Colo. Filed Dec. 22, 1924. Serial No. 207,058.

BUENO

Particular description of goods.—Bacon.
Claims use since about Nov. 1,

199,573. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM C. ATWATER & CO., INCORPORATED, New York, N. Y. Filed Dec. 15, 1924. Serial No. 206,714.

ATWATER POCAHONTAS

Particular description of goods.—Coal, Coke, and Briquettes.
Claims use since June 13, 1922.

199,574. (CLASS 39. CLOTHING.) PLAYBOY WEARABLES, INC., New York, N. Y. Filed Nov. 18, 1924. Serial No. 205,226.

PLAYWEAR

Particular description of goods.—Infants' Creepers, Children's and Youths' Rompers, Children's and Misses' Bloomers, and Children's and Youths' Play Suits.
Claims use since July 1, 1923.

199,575. (CLASS 12. CONSTRUCTION MATERIALS.) ROCKLAND & ROCKPORT LIME CORPORATION, Rockland, Me. Filed Nov. 8, 1924. Serial No. 205,031.

SELECTED

Particular description of goods.—Lime.
Claims use since prior to May, 1905.

199,576. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) SIMONS-LEEDLE FURNACE CO., Marshall, Mich. Filed Oct. 11, 1924. Serial No. 203,759.

"Heatmore"

Particular description of goods.—Warm-Air Furnaces.
Claims use since Apr. 1, 1924.

199,577. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) AMOS E. KUNDERD, Goshen, Ind. Filed June 21, 1924. Serial No. 198,946.

Kunderd Gladioli STAND SUPREME

Particular description of goods.—Gladioli Bulbs.
Claims use since Apr. 29, 1924.

199,578. (CLASS 39. CLOTHING.) W. B. COON CO., Rochester, N. Y. Filed June 13, 1924. Serial No. 198,505.

SPECIAL MEASUREMENT FOOTWEAR

Particular description of goods.—Leather and Fabric Boots and Shoes.
Claims use since Dec. 1, 1923.

199,579. (CLASS 2. RECEPTACLES.) SOLAR-STURGES MFG. CO., Chicago, Ill. Filed Apr. 18, 1924. Serial No. 195,782.

HOLSTEIN

Particular description of goods.—Milk Cans.
Claims use since 1908.

199,580. (CLASS 10. VEHICLES, NOT INCLUDING ENGINES.) THE BAKER R & L COMPANY, Cleveland, Ohio. Filed Feb. 8, 1924. Serial No. 192,001.

Baker

Particular description of goods.—Trucks, Tractor Trucks, Industrial Trucks, Elevating Trucks, Dumping Trucks, and Trucks for Handling and Transporting Materials and Articles, and Structural Parts Thereof.
Claims use since on or about 1898.

199,581. (CLASS 39. CLOTHING.) O. L. STANARD DRY GOODS CO., Huntington, W. Va. Filed Mar. 31, 1923. Serial No. 178,418.

Sampson

Particular description of goods.—Men's Overalls.
Claims use since October, 1918.

199,582. (CLASS 39. CLOTHING.) CADET KNITTING COMPANY, Philadelphia, Pa. Filed Feb. 23, 1923. Serial No. 176,448.

VAN DYKE

Particular description of goods.—Hosiery.
Claims use since December, 1922.

199,583. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) THE AUTOMATIC TRANSPORTATION COMPANY, Buffalo, N. Y. Filed Feb. 11, 1922. Serial No. 159,233.

AUTOMATIC ELECTRIC

Particular description of goods.—Electrically-Operated Automobiles—Namely, Commercial Automobiles, Industrial or Utility Automobiles, and Passenger Automobiles; and Parts and Accessories Thereof—Namely, Bodies, Brakes, Steering Mechanism.
Claims use since Sept. 1, 1921.

TRADE-MARK REGISTRATIONS RENEWED

27,165. DYES. Registered October 29, 1895. MONROE DRUG CO., Unionville, Mo. Renewed October 29, 1925, to Monroe Drug Company, Quincy, Ill., a Corporation of Illinois, assignee.

44,596. FLOUR MADE FROM WHEAT. Registered July 11, 1905. EAGLE ROLLER MILL CO., New Ulm, Minn., a Corporation of Minnesota. Renewed July 11, 1925.

45,599. TINTED BLOTTING PAPER. Registered August 22, 1905. DISTRICT OF COLUMBIA PAPER MFG. CO., Washington, D. C., a Corporation of Virginia. Renewed August 22, 1925.

45,918. SHEET-METAL WASH BOILERS, BUCKETS, CANS, KETTLES, PAILS, PANS, AND STRAINERS. Registered August 29, 1905. MYER KAMENSTEIN, New York, N. Y. Renewed August 29, 1925.

46,022. FLOUR MADE FROM WHEAT. Registered September 5, 1905. EAGLE ROLLER MILL CO., New Ulm, Minn., a Corporation of Minnesota. Renewed September 5, 1925.

46,132. CLOCKS. Registered September 5, 1905. NEW HAVEN CLOCK CO., New Haven, Conn., a Corporation of Connecticut. Renewed September 5, 1925.

46,167. COTTON DUCK. Registered September 5, 1905. WELLINGTON, SEARS & CO., Boston, Mass. Renewed September 5, 1925.

46,201. KNIT UNDERWEAR AND HOSIERY. Registered September 12, 1905. ROBT. REIS & CO., New York, N. Y., a Corporation of New York. Renewed September 12, 1925.

46,209. TABLE AND DAIRY SALT. Registered September 12, 1905. DIAMOND CRYSTAL SALT CO., St. Clair, Mich., a Corporation of Michigan. Renewed September 12, 1925.

46,383. TABLE AND DAIRY SALT. Registered September 19, 1905. DIAMOND CRYSTAL SALT CO., St. Clair, Mich., a Corporation of Michigan. Renewed September 19, 1925.

46,489. PLAYING CARDS. Registered September 19, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed September 19, 1925.

46,490. PLAYING CARDS. Registered September 19, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed September 19, 1925.

46,654. ILLUMINATING OILS. Registered September 26, 1905. WILBURINE OIL WORKS LTD., New York, N. Y. Renewed September 26, 1925, to Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., a Corporation of New Jersey, successor.

46,883. PLAYING CARDS. Registered October 10, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed October 10, 1925.

46,884. PLAYING CARDS. Registered October 10, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed October 10, 1925.

46,938. PLAYING CARDS. Registered October 17, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed October 17, 1925.

46,942. PLAYING CARDS. Registered October 17, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed October 17, 1925.

47,043. KNIT HOSIERY AND UNDERWEAR. Registered October 24, 1905. M. & C. MAYER. Renewed October 24, 1925, to A. V. Victorius & Co. Inc., New York, N. Y., a Corporation of New York, successor.

47,084. WRITING PAPER AND ENVELOPS. Registered October 24, 1905. SOUTHWORTH COMPANY, Mittineague, Mass., a Corporation of Massachusetts. Renewed October 24, 1925.

47,085. WRITING PAPER AND ENVELOPS. Registered October 24, 1905. SOUTHWORTH COMPANY, Mittineague, Mass., a Corporation of Massachusetts. Renewed October 24, 1925.

47,107. WHEAT FLOUR. Registered October 24, 1905. JOHN HOFFER, Steelton, Pa. Renewed October 24, 1925, to John Hoffer, Harrisburg, Pa.

47,126. VARNISHES. Registered October 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 24, 1925.

47,127. VARNISHES. Registered October 24, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed October 24, 1925.

47,183. BUTTER. Registered October 31, 1905. THE BELLE SPRINGS CREAMERY CO., Abilene, Kans., a Corporation of Kansas. Renewed October 31, 1925.

47,297. ELASTIC STOCKINGS. Registered October 31, 1905. POMMROY COMPANY, New York, N. Y., a Corporation of New York. Renewed October 31, 1925.

47,391. PIANOS. Registered October 31, 1905. MASON & HAMLIN CO., Cambridge, Mass. Renewed October 31, 1925, to Mason & Hamlin Co., Boston Mass., a Corporation of Delaware.

47,457. FLORIDA WATER. Registered November 7, 1905. LANMAN & KEMP. Renewed November 7, 1925, to Lanman & Kemp, Inc., New York, N. Y., a Corporation of New York, assignee.

47,500. LUBRICATING OILS. Registered November 7, 1905. W. C. ROBINSON & SON CO., Baltimore, Md., a Corporation of Maryland. Renewed November 7, 1925.

47,529. MOLASSES, SIRUPS, AND SORGHUMS. Registered November 7, 1905. NEW ORLEANS COFFEE CO. LTD., New Orleans, La., a Corporation of Louisiana. Renewed November 7, 1925.

LABELS

REGISTERED JUNE 9, 1925.

28,775.—*Title:* BORDEN'S STAR BRAND SWEETENED CONDENSED MILK. For Sweetened Condensed Milk. THE BORDEN COMPANY, New York, N. Y. Published February 13, 1924.

28,776.—*Title:* BRUNER'S LADIES' CONQUERER. For Toilet Preparation—Namely, Toilet Water. RUBIN BRUNER, doing business as Fratello Co., Cleveland, Ohio. Published April 30, 1924.

28,777.—*Title:* CALIFORNIA CLUB. For Ginger Ale. CALIFORNIA BOTTLING WORKS, Los Angeles, Calif. Published December 31, 1924.

28,778.—*Title:* SKY LAND. For Goodies, a Food Product. J. HARRY CRANAHAN, Asheville, N. C. Published August 25, 1924.

28,779.—*Title:* DU-PROS STRICTLY PURE SHELLAC. For Shellac. JAMES B. DAY & CO., Chicago, Ill. Published January 19, 1925.

28,780.—*Title:* PURE EFFERVESCENT SALTS—SCOTCH STYLE. For Beverage Salts. THE EFFERVESCENT SALTS CO., Kearny, N. J. Published February 28, 1925.

28,781.—*Title:* QUALITY. For Cocoa. JAS. H. FOWLER TEA & COFFEE CO., St. Louis, Mo. Published December 1, 1924.

28,782.—*Title:* THE HARBAUGH INTERPOSED ANTENNA. For Antenna. D'FOREST HARBAUGH & Co., Chicago, Ill. Published February 7, 1925.

28,783.—*Title:* HERD'S 1879 HAIR LUXURIANT. For Hair Tonic. FERDINAND S. HERD, doing business as Herd's, Davenport, Iowa. Published January 9, 1925.

28,784.—*Title:* A. C. HYND'S HYGIENIC HAIR LIFE. For Hygienic Hair Life. A. C. HYND, Buffalo, N. Y. Published August 25, 1922.

28,785.—*Title:* GOLDEN PEANUT BRITTLE. For Confections, Candies, Nuts, and Candy-Covered Nuts. ILLINOIS NUT PRODUCTS CO., Chicago, Ill. Published February 15, 1925.

28,786.—*Title:* BRIT-L-NUT. For Confections, Candies, Nuts, and Candy-Covered Nuts. ILLINOIS NUT PRODUCTS CO., Chicago, Ill. Published February 15, 1925.

28,787.—*Title:* MODERN SWEETS, COAST TO COAST PACKAGE. For Candy. KALAMAZOO PAPER BOX COMPANY, Kalamazoo, Mich. Published March 4, 1925.

28,788.—*Title:* ODORKURE. For a Disinfectant. G. J. LOVELL, New York, N. Y. Published November 5, 1924.

28,789.—*Title:* LYNNE BRAND. For Combination Relish. LYNNE PURE FOOD CO., Pittsburgh, Pa. Published August 21, 1924.

28,790.—*Title:* LYNNE BRAND. For Mayonnaise Dressing. LYNNE PURE FOOD CO., Pittsburgh, Pa. Published August 21, 1924.

28,791.—*Title:* LYNNE BRAND. For Tartar Sauce. LYNNE PURE FOOD CO., Pittsburgh, Pa. Published August 21, 1924.

28,792.—*Title:* BLUE BAY ORANGE MARMALADE, BLUE BAY PRESERVING CO., SAN FRANCISCO. For Orange Marmalade. ELVIRA B. TOMLINSON, doing business as Blue Bay Preserving Co., San Francisco, Calif. Published November 6, 1924.

PRINTS

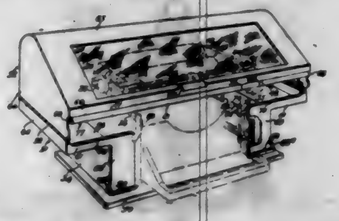
REGISTERED JUNE 9, 1925.

7,082.—*Title:* TRY A PACKAGE OF 5¢ O K VENS 5¢. For Candy Mints. DEWEY H. COFFMAN, doing business as The Iowa Novelty Company, La Crosse, Wis. Published February 3, 1925.

REISSUES

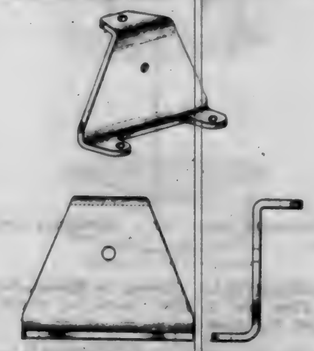
JUNE 9, 1925.

16,092. TYPEWRITING MACHINE. BURNHAM C. STICKNEY, Rutherford, N. J. Filed Apr. 28, 1925. Serial No. 26,516. Original No. 1,533,355, dated Apr. 14, 1925, Serial No. 468,237, filed May 19, 1921. 27 Claims. (Cl. 197—198.)



1. The combination with a typewriting machine, of a sound-deadening casing for the machine, said casing comprising a lower body-part and an upper cover-part hinged at the rear to said body-part, said body-part comprising a front wall, said front wall having an opening to permit the insertion of the machine in said casing, a front cover-plate releasably mounted on said front wall for closing said opening, and for pressing against the front of the machine-frame to hold the machine in position, and holding means for said cover-plate lying wholly within said casing.

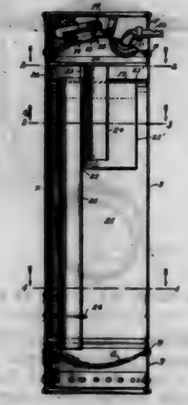
16,093. DESIGN FOR A CRANK-CASE ARM. THOMAS FORD WILSON, Cranston, R. I. Filed June 9, 1923. Serial No. 6,454. Term of patent 14 years. Original No. 59,397, dated Oct. 11, 1921, Serial No. 345,901, filed Dec. 18, 1919, for 14 years.



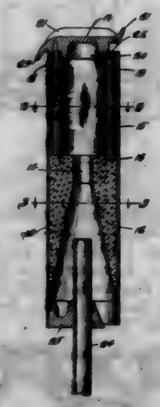
The ornamental design for a crank case arm, as shown.

16,094. FIRE-EXTINGUISHING APPARATUS. ORLANDO R. EWEIN, Milwaukee, Wis., assignor to Pyramite-Childs Corporation, New York, N. Y., a Corporation of Delaware. Filed Nov. 25, 1924. Serial No. 752,271. Original No. 1,437,097, dated Nov. 28, 1922, Serial No. 423,510, filed Nov. 12, 1920. 14 Claims. (Cl. 169—32.)

1. A fire extinguishing apparatus adapted by inverting the apparatus for the co-mixing of chemical solutions to produce a fire extinguishing foam, including an integral container divided into a plurality of chambers comprising solution chambers, each provided with a solution outlet and an equalizing pressure inlet, and a mixing chamber communicating with the inlets and outlets of the said solution chambers.



16,095. BURNER. RUSSELL STYLES, Brooklyn, N. Y., assignor to Stinson Sales Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Dec. 24, 1924. Serial No. 757,988. Original No. 1,495,120, dated May 20, 1924. Serial No. 665,984, filed Oct. 1, 1923. 15 Claims. (Cl. 158—112.)

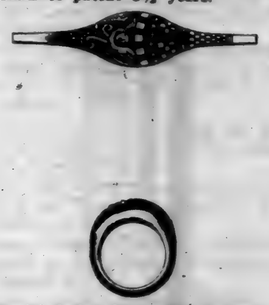


1. In a burner, the combination of a tube open at both ends, a core formed in said tube, a mixing chamber formed in said core, a foraminated cylinder insulated from the walls of said tube and supported by said core, and a burner head co-acting with the foraminated cylinder and one end of said tube for removably supporting the same.

DESIGNS

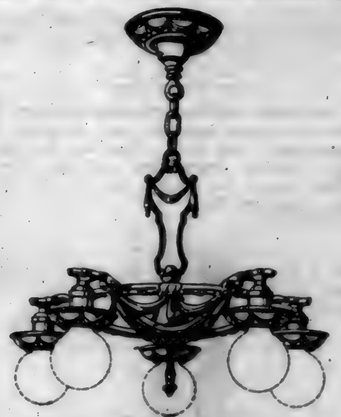
JUNE 9, 1925.

67,485. RING. HARRY J. BLOOM and ABRAHAM SLATIS, New York, N. Y. Filed Mar. 13, 1925. Serial No. 12,707. Term of patent 3½ years.



The ornamental design for a ring as shown.

67,486. CHANDELIER. HUGO BOHL, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,535. Term of patent 3½ years.



The ornamental design for a chandelier, as shown.

67,487. BODY FOR LIGHTING FIXTURES. HUGO BOHL, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,536. Term of patent 3½ years.



The ornamental design for a body for lighting fixtures, as shown.

67,488. BRACKET BACK FOR LIGHTING FIXTURES. HUGO BOHL, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y., a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,537. Term of patent 3½ years.



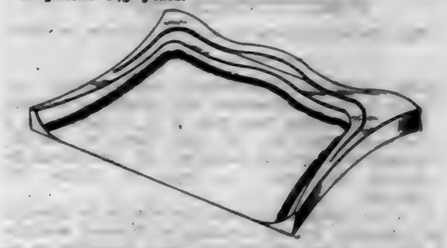
The ornamental design for bracket back for lighting fixtures, as shown.

67,489. MANICURING INSTRUMENT. IRVING BORUCHOW, Brooklyn, N. Y. Filed Feb. 2, 1925. Serial No. 12,236. Term of patent 3½ years.



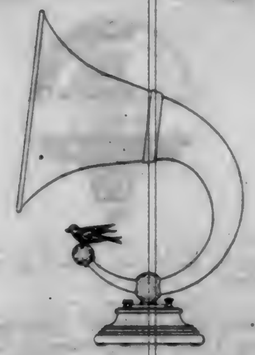
The ornamental design for a manicuring instrument as shown.

67,490. CRUMB TRAY. HAROLD L. BRIGGS, Canastota, N. Y. Filed Feb. 18, 1925. Serial No. 12,408. Term of patent 3½ years.



The ornamental design for a crumb tray, as shown.

67,491. SOUND AMPLIFIER OR SIMILAR ARTICLE. SIDNEY G. BROWN, North Acton, England, assignor to S. G. Brown Limited, North Acton, England. Filed Oct. 21, 1924. Serial No. 11,136. Term of patent 7 years.



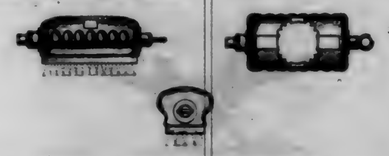
The ornamental design for a sound amplifier or similar article as shown.

67,492. TEA COZY. ELSA K. BUEDINGEN, New York, N. Y., assignor to Priddy & Buedingen, a Copartnership composed of Margaret D. Priddy and Elsa K. Buedingen, both of New York, N. Y. Filed Nov. 11, 1924. Serial No. 11,342. Term of patent 7 years.



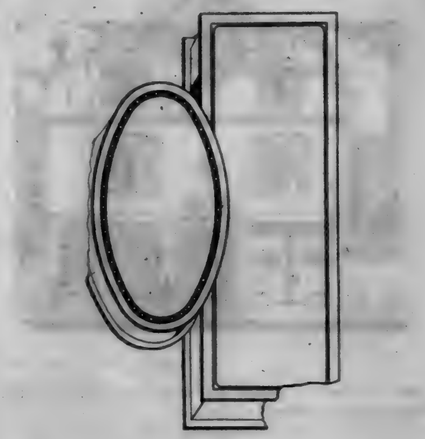
The ornamental design for a tea cozy, substantially as shown.

67,493. HAND-BRUSH CASING. IRA A. BURNETT, Chicago, Ill. Filed Mar. 21, 1925. Serial No. 12,802. Term of patent 14 years.



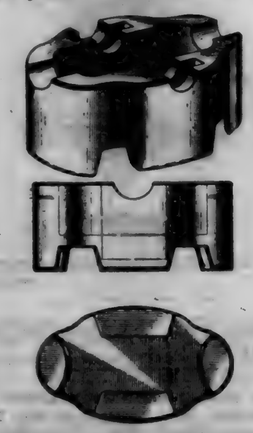
The ornamental design for a hand brush casing, as shown.

67,494. SIGN. DOUGLAS S. CAMPBELL, Cleveland, Ohio, assignor to The Pocahontas Oil Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 11, 1923. Serial No. 6,455. Term of patent 3½ years.



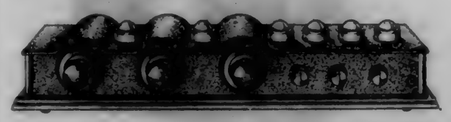
The ornamental design for a sign, as shown and described.

67,495. ASH TRAY. IRA M. CLARKE, New Martinsville, W. Va. Filed Apr. 9, 1925. Serial No. 13,080. Term of patent 7 years.



The ornamental design for an ash tray, as shown.

67,496. RADIOHOUSING. HARVEY COBY, Chicago, Ill. Filed Apr. 9, 1925. Serial No. 13,078. Term of patent 3½ years.



The ornamental design for a radiohousing, as shown.

67,497. BOX OR SIMILAR ARTICLE. CLARENCE A. CRANE, Cleveland, Ohio. Filed Aug. 25, 1923. Serial No. 7,088. Term of patent 3½ years.



The ornamental design for a box or similar article substantially as shown.

67,498. CANOPY FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,665. Term of patent 7 years.



The ornamental design for a canopy for lighting fixtures, as shown.

67,499. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,666. Term of patent 7 years.



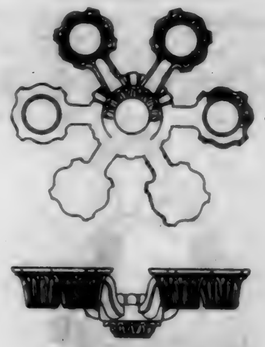
The ornamental design for a loop for lighting fixtures, as shown.

67,500. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,667. Term of patent 7 years.



The ornamental design for a plate for lighting fixtures, as shown.

67,501. SPIDER FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,668. Term of patent 7 years.



The ornamental design for a spider for lighting fixtures.

67,502. PLATE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,669. Term of patent 7 years.



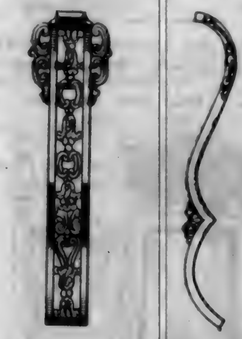
The ornamental design for a spider for lighting fixtures, as shown.

67,503. LOOP FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,670. Term of patent 7 years.



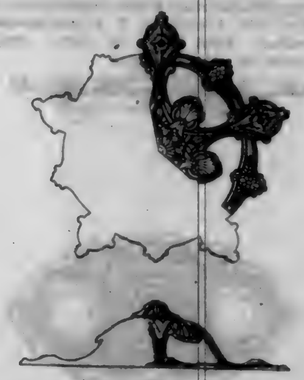
The ornamental design for a loop for lighting fixtures, as shown.

67,504. BRACE FOR LIGHTING FIXTURES. FRANK S. CROWELL, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,672. Term of patent 7 years.



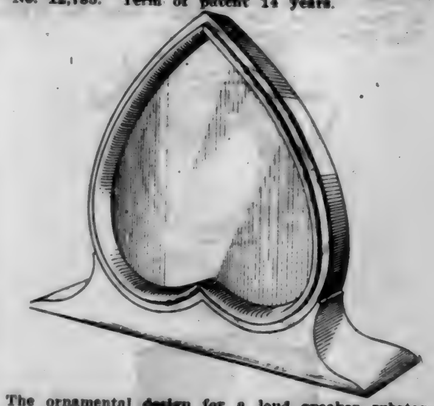
The ornamental design for a brace for lighting fixtures, as shown.

67,505. LIGHTING FIXTURE. STANLEY CZAPEK, Detroit, Mich., assignor to Radiant Specialty Company, a Corporation of Michigan. Filed Mar. 12, 1925. Serial No. 12,700. Term of patent 3½ years.



The ornamental design for a lighting fixture as shown.

67,506. LOUD SPEAKER. LUDWIG M. DIETERICH, New Brunswick, N. J. Filed Mar. 16, 1925. Serial No. 12,783. Term of patent 14 years.



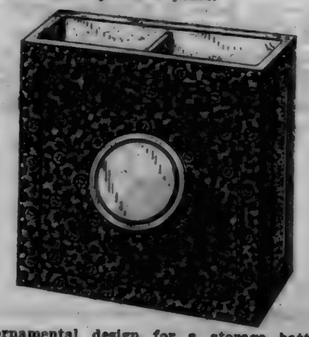
The ornamental design for a loud speaker substantially as shown.

67,507. BRACKET BACK FOR LIGHTING FIXTURES. DANIEL DOBRIN, Detroit, Mich., assignor to Radiant Specialty Company, a Corporation of Michigan. Filed Mar. 12, 1925. Serial No. 12,701. Term of patent 3½ years.



The ornamental design for a bracket back for lighting fixtures as shown.

67,508. STORAGE-BATTERY CONTAINER. CARL J. DUNKWEILER, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed Apr. 6, 1925. Serial No. 13,033. Term of patent 7 years.



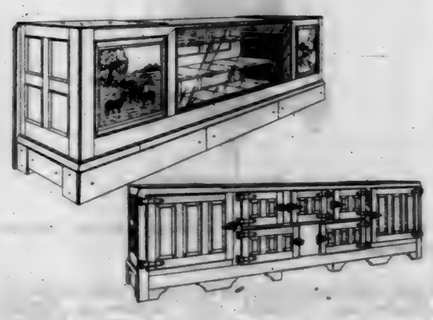
The ornamental design for a storage battery container substantially as shown.

67,509. CAKE OR SOAP OR SIMILAR ARTICLE. ROY S. DURSTINE, Scarsdale, N. Y., assignor to Lever Brothers Company, Cambridge, Mass., a Corporation of Maine. Filed Apr. 2, 1925. Serial No. 12,982. Term of patent 14 years.



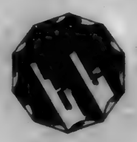
The ornamental design for a cake of soap or similar article, as shown.

67,510. BUTCHER'S FREEZER DISPLAY COUNTER. EDWARD FRIEDRICH, San Antonio, Tex. Filed Mar. 30, 1923. Serial No. 5,653. Term of patent 14 years.



The ornamental design for a butcher's freezer display counter, substantially as shown.

67,511. EYEGLASS LENS. WILLIAM B. GEORGIA, Waco, Tex. Filed Jan. 26, 1924. Serial No. 8,441. Term of patent 14 years.



The ornamental design for an eyeglass lens as shown.

67,512. PLATE FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,763. Term of patent 14 years.



The ornamental design for a plate for lighting fixtures, as shown.

67,513. PLATE FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,764. Term of patent 14 years.



The ornamental design for a plate for lighting fixtures, as shown.

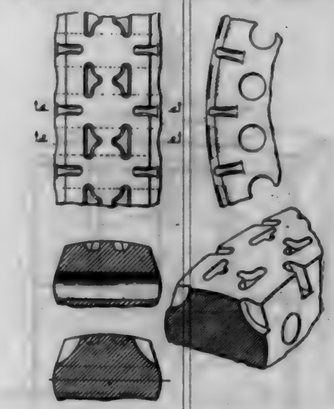
67,514. PLATE FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,765. Term of patent 14 years.





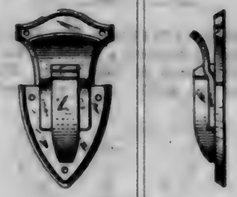
The ornamental design for a plate for lighting fixtures, as shown.

67,515. TIRE. WALLACE R. GILLAM, Tallmadge, Ohio, assignor to Lambert Tire & Rubber Co., Barberton, Ohio, a Corporation of Arizona. Filed Feb. 18, 1925. Serial No. 12,418. Term of patent 14 years.



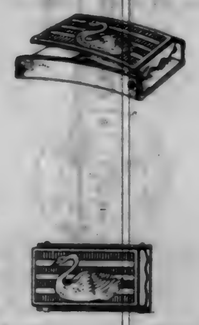
The ornamental design for a tire substantially as shown.

67,516. LOCK. FREDERICK GOERTS, South Orange, N. J., assignor to August Goerts & Co., a Corporation of New Jersey. Filed Mar. 12, 1925. Serial No. 12,694. Term of patent 7 years.



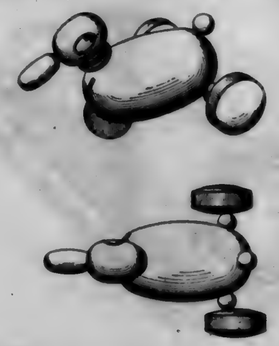
The ornamental design for a lock, as shown.

67,517. BUCKLE. HERMAN GORDON, Louisville, Ky. Filed Mar. 11, 1925. Serial No. 12,682. Term of patent 3½ years.



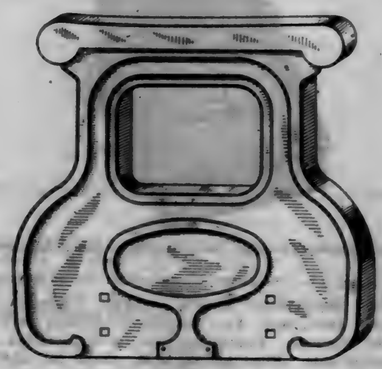
The ornamental design for a buckle, as shown.

67,518. TOY DUCK. RENE DANIEL GROVE, Middletown, Pa. Filed Mar. 30, 1925. Serial No. 12,955. Term of patent 7 years.



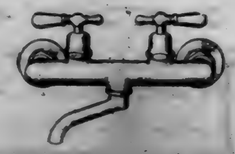
The ornamental design for a toy duck as shown.

67,519. SEAT END. CONRAD T. HANSEN, Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Mar. 19, 1924. Serial No. 9,002. Term of patent 14 years.



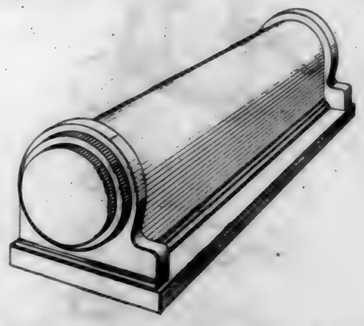
The ornamental design for a seat end, as shown.

67,520. FAUCET. GEORGE A. HARPER, Burlington, Wis., assignor to Burlington Brass Works, Burlington, Wis., a Corporation of Wisconsin. Filed Jan. 26, 1925. Serial No. 12,155. Term of patent 7 years.



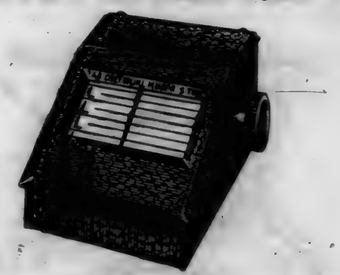
The ornamental design for a faucet substantially as shown.

67,521. CASING FOR RADIO RECEIVING APPARATUS. HENRY F. HERMAN, Chappaqua, N. Y. Filed Feb. 7, 1925. Serial No. 12,304. Term of patent 14 years.



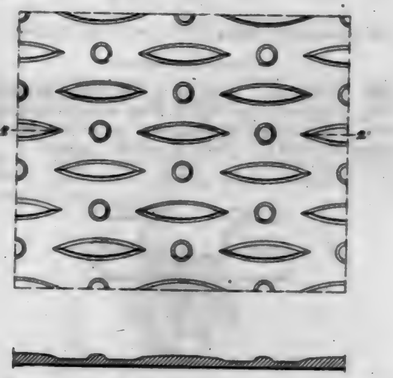
The ornamental design for a casing for radio receiving apparatus as shown.

67,522. TELEPHONE INDEX. GEORGE L. HINMAN, New Haven, Conn., assignor, by mesne assignments, to The Bates Manufacturing Company, Orange, N. J., a Corporation of New Jersey. Filed Feb. 23, 1924. Serial No. 8,701. Term of patent 14 years.



The ornamental design for a telephone index as shown.

67,523. METALLIC FLOOR PLATE. ROBERT H. IRONS, Harrisburg, Pa., assignor to Central Iron & Steel Company, Harrisburg, Pa., a Corporation of Pennsylvania. Filed Apr. 1, 1925. Serial No. 12,979. Term of patent 14 years.



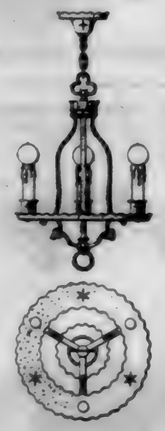
The ornamental design for a metallic floor plate, substantially as shown.

67,524. CABINET FOR TALKING MACHINES. EUGENE T. KIEFFER and WILLIAM B. STEVENSON, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Nov. 11, 1922. Serial No. 4,255. Term of patent 14 years.



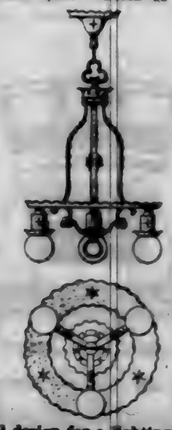
The ornamental design for a cabinet for talking machines, as shown.

67,525. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,606. Term of patent 3½ years.



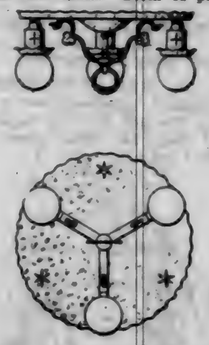
The ornamental design for a lighting fixture, as shown.

67,526. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,607. Term of patent 3½ years.



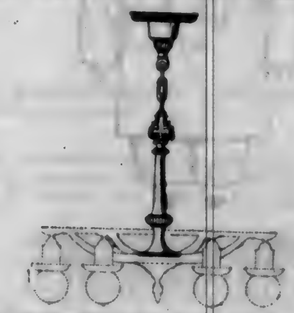
The ornamental design for a lighting fixture, as shown.

67,527. LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., New York, N. Y., a Corporation of New York. Filed May 16, 1924. Serial No. 9,609. Term of patent 3½ years.



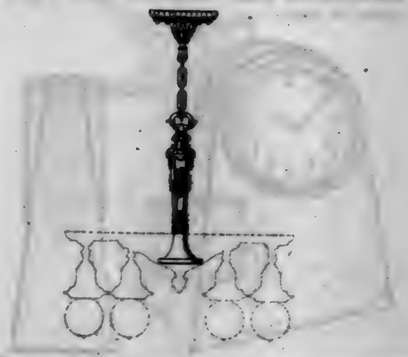
The ornamental design for a lighting fixture, as shown.

67,528. SPINDLE FOR LIGHTING FIXTURE. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,648. Term of patent 3½ years.



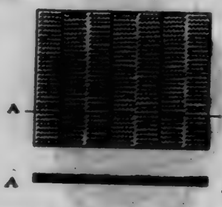
The ornamental design for a spindle for lighting fixtures, as shown.

67,529. SPINDLE FOR LIGHTING FIXTURES. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,653. Term of patent 3½ years.



The ornamental design for a spindle for lighting fixtures, as shown.

67,530. PILE FABRIC. CLARENCE V. KOSLAY, New York, N. Y., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y., a Corporation of New York. Filed Feb. 2, 1925. Serial No. 12,242. Term of patent 7 years.



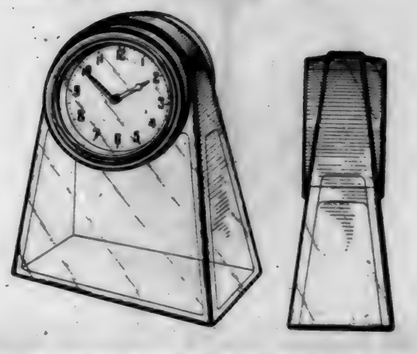
The ornamental design for a pile fabric, as shown.

67,531. SIGNAL LAMP OR SIMILAR ARTICLE. LEON LAPIDUS, Brooklyn, N. Y., assignor to U. S. Auto Lamp Mfg. Co. Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1925. Serial No. 11,648. Term of patent 3½ years.



The ornamental design for a signal lamp or similar article, as shown.

67,532. CLOCK CASE. WILLIAM H. MAGEE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Filed Jan. 12, 1925. Serial No. 12,011. Term of patent 14 years.



The ornamental design for a clock case, as shown.

67,533. AUTOMOBILE BUMPER PLATE. WILLIAM F. MARTIN, Baldwinsville, N. Y., assignor to Penn Spring Works Inc., Baldwinsville, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 9,007. Term of patent 14 years.



The ornamental design for an automobile bumper plate as shown.

67,534. AUTOMOBILE BUMPER PLATE. WILLIAM F. MARTIN, Baldwinsville, N. Y., assignor to Penn Spring Works Inc., Baldwinsville, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 9,008. Term of patent 14 years.



The ornamental design for an automobile bumper plate as shown.

67,535. TIRE TREAD. EDWIN B. MCKAY, Chicago, Ill. Filed Apr. 16, 1925. Serial No. 13,146. Term of patent 3½ years.



The ornamental design for a tire tread, as shown.

67,536. DOLL OR SIMILAR ARTICLE. CRAIG D. MUNSON, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 24, 1925. Serial No. 12,867. Term of patent 7 years.



The ornamental design for a doll or similar article substantially as shown.

67,537. DOLL OR SIMILAR ARTICLE. CRAIG D. MUNSON, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 24, 1925. Serial No. 12,868. Term of patent 7 years.



The ornamental design for a doll or similar article substantially as shown.

67,538. DOLL OR SIMILAR ARTICLE. CRAIG D. MUNSON, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 24, 1925. Serial No. 12,869. Term of patent 7 years.



The ornamental design for a doll or similar article substantially as shown.

67,539. DRESS-TRIMMING BRAID. GUSTAV OBERSTEBRINK, Allenstown, N. H. Filed Dec. 17, 1924. Serial No. 11,728. Term of patent 3½ years.



The ornamental design for dress trimming braid, as shown.

67,540. RADIATOR-CAP ORNAMENT. JOHN R. OISHEI, Buffalo, N. Y. Filed Mar. 3, 1925. Serial No. 12,542. Term of patent 3½ years.



The ornamental design for a radiator cap ornament, as shown.

67,541. SOAP CONTAINER. SUSAN CLARE PEARSON, New York, N. Y. Filed Dec. 19, 1924. Serial No. 11,754. Term of patent 14 years.



The ornamental design for a soap container, as shown.

67,542. LIGHTING-FIXTURE PART. WILLIAM PENN, New York, N. Y., assignor to Biltmore Lighting Fixture Co., Inc., Brooklyn, N. Y., a Corporation of New York. Filed Apr. 18, 1925. Serial No. 13,162. Term of patent 3½ years.



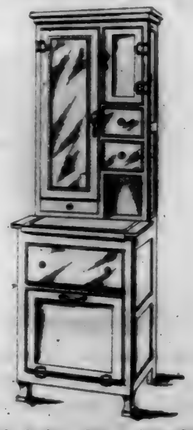
The ornamental design for a lighting fixture part, as shown.

67,543. CASING FOR A RAILROAD-CROSSING DANGER SIGNAL. ELLERY PERRY, Olean, N. Y., assignor of one-half to Roy E. Vance, Olean, N. Y. Filed Feb. 7, 1925. Serial No. 12,297. Term of patent 7 years.



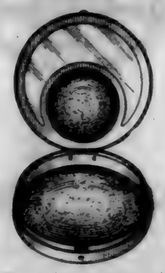
The ornamental design for a casing for a railroad crossing danger signal, as shown.

67,544. HOUSEHOLD CABINET. ORVAL E. PLATTER, North Vernon, Ind. Filed Aug. 22, 1922. Serial No. 3,513. Term of patent 3½ years.



The ornamental design for a household cabinet as shown.

67,545. TOILET CASE. JESSE R. POWELL, Chicago, Ill., assignor to Armour and Company, Chicago, Ill., a Corporation of Illinois. Filed July 20, 1922. Serial No. 3,141. Term of patent 3½ years.



The ornamental design for a toilet case, as shown.

67,546. AMPLIFIER FOR RADIO SETS. HERMAN P. POETER, Washington, D. C. Filed Apr. 7, 1925. Serial No. 13,053. Term of patent 7 years.



The ornamental design for an amplifier for radio sets, as shown.

67,547. LAMP SHADE. FREDERICK ROBITZEK, Stamford, Conn., assignor to S. Robert Schwartz, New York, N. Y. Filed Mar. 24, 1923. Serial No. 5,576. Term of patent 3½ years.



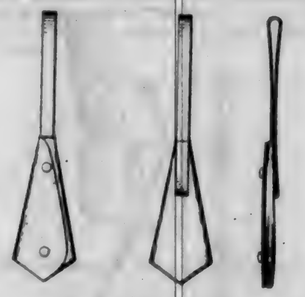
The ornamental design for a lamp shade, as shown.

67,548. PORTABLE LAMP STANDARD. FREDERICK ROBITZEK, Stamford, Conn., assignor to S. Robert SCHWARTZ, New York, N. Y. Filed Mar. 24, 1923. Serial No. 5,577. Term of patent 3½ years.



The ornamental design for a portable lamp standard, as shown.

67,549. PURSE. MAMIE E. ROSE, Lynchburg, Va. Filed Apr. 18, 1925. Serial No. 13,153. Term of patent 3½ years.



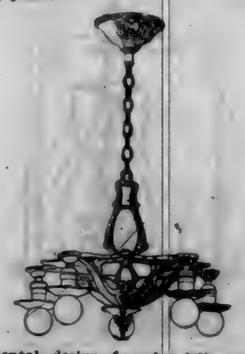
The ornamental design for a purse, as shown.

67,550. SIGN OR SIMILAR ARTICLE. WILLIAM D. ROSE, Portland, Oreg. Filed June 23, 1923. Serial No. 6,557. Term of patent 3½ years.



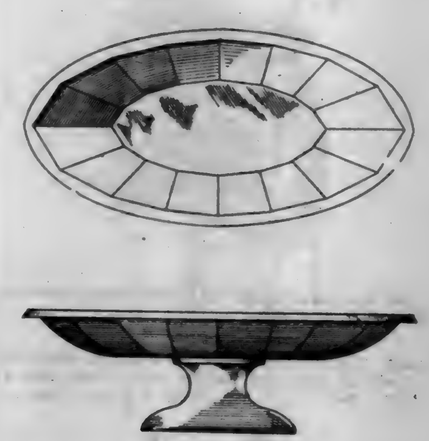
The ornamental design for a sign or similar article, as shown.

67,551. CHANDELIER OR ARTICLE OF SIMILAR NATURE. ISIDOR ROSENBLATT, New York, N. Y. Filed Mar. 12, 1925. Serial No. 12,689. Term of patent 3½ years.



The ornamental design for chandelier or article of similar nature, as shown.

67,552. ICE-CREAM DISH. ALBERT F. SAUNDERS, Syracuse, N. Y., assignor to L. N. Benedict Mfg. Co., East Syracuse, N. Y. Filed Feb. 5, 1925. Serial No. 12,275. Term of patent 3½ years.



The ornamental design for an ice cream dish, substantially as shown.

67,553. PLATE OR SIMILAR ARTICLE. EMIL L. SCHNEFF, Trenton, N. J., assignor to Scammell China Company, Trenton, N. J. Filed Apr. 8, 1924. Serial No. 9,201. Term of patent 14 years.



The ornamental design for a plate or similar article, as shown.

67,554. TOY MUSICAL INSTRUMENT. FREDERICK G. SCHOLL, Woodhaven, N. Y. Filed Mar. 20, 1925. Serial No. 12,779. Term of patent 7 years.



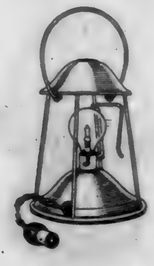
The ornamental design for a toy musical instrument substantially as shown.

67,555. COMBINATION BIRD CAGE AND SUPPORT. CARRIE E. SCHUSTER, Detroit, Mich. Filed Feb. 14, 1925. Serial No. 12,382. Term of patent 7 years.



The ornamental design for a combination bird cage and support, as shown.

67,556. ELECTRIC LANTERN. WILLIAM H. TIFFANY, Portland, Oreg. Filed Nov. 25, 1924. Serial No. 11,483. Term of patent 3½ years.



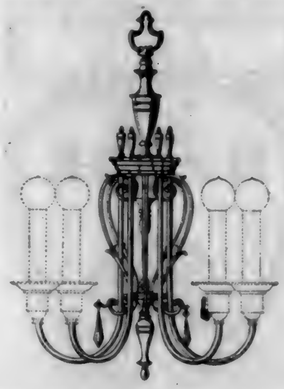
The ornamental design for an electric lantern, substantially as shown.

67,557. BEVERAGE CONTAINER. JOHN M. TRAVIS, St. Louis, Mo. Filed Dec. 18, 1922. Serial No. 4,626. Term of patent 7 years.



The ornamental design for a beverage container, as shown.

67,558. LIGHTING FIXTURE. ERNEST A. WALKER, Newark, N. J., assignor to William Goldberg and Abe Goldberg, both of Newark, N. J., trading as The G & G Fixture Co., a Copartnership. Filed Mar. 17, 1925 Serial No. 12,744. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

67,559. LIGHTING FIXTURE. ERNEST A. WALKER, Newark, N. J., assignor to William Goldberg and Abe Goldberg, trading as The G & G Fixture Co., Newark, N. J., a Copartnership. Filed Mar. 17, 1925. Serial No. 12,745. Term of patent 7 years.



The ornamental design for a lighting fixture, as shown.

67,560. SCROLL ARM FOR LIGHTING FIXTURES. ERNEST A. WALKER, Newark, N. J., assignor to William Goldberg and Abe Goldberg, both of Newark, N. J., trading as The G & G Fixture Co., a Copartnership. Filed Mar. 17, 1925. Serial No. 12,746. Term of patent 7 years.



The ornamental design for a scroll arm for lighting fixtures, as shown.

67,561. GINGHAM TEXTILE FABRIC. JOHN W. WINTERBOTTOM, Nashua, N. H., assignor to Nashua Manufacturing Company, Nashua, N. H., a Corporation of New Hampshire. Filed Apr. 16, 1924. Serial No. 9,291. Term of patent 3½ years.



The ornamental design for a gingham textile fabric as shown.

67,562. MIRROR. PAUL WINTERLICH, Dayton, Ohio. Filed Feb. 28, 1925. Serial No. 12,522. Term of patent 3½ years.



The ornamental design for a mirror, as shown.

67,563. CABINET FOR SOUND-PRODUCING DEVICE. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 12,618. Term of patent 7 years.



The ornamental design for a cabinet for sound producing devices, substantially as shown.

67,564. SUNDAE HOLDER. ALBERT F. SAUNDERS, Syracuse, N. Y., assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Filed Feb. 5, 1925. Serial No. 12,276. Term of patent 3½ years.

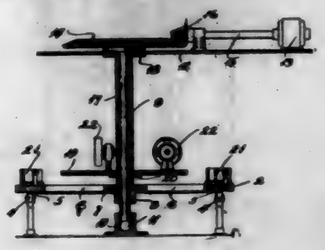


The ornamental design for a sundae holder, substantially as shown.

PATENTS

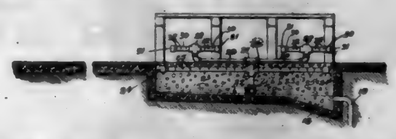
GRANTED JUNE 9, 1925.

1,540,742. FEEDING TABLE. CHESTER M. ANGELL, Chicago, Ill., assignor to Vesta Battery Corporation, a Corporation of Illinois. Original application filed Feb. 27, 1922, Serial No. 539,430. Divided and this application filed Apr. 14, 1923. Serial No. 632,066. 3 Claims. (Cl. 198—209.)



1. A circular conveyor table, a track upon the underside of said table, antifriction supporting devices contacting with said track, means for rotating said table and a circular stationary platform arranged above the conveyor table concentrically therewith.

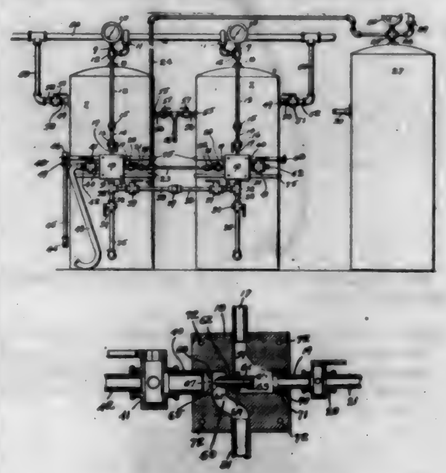
1,540,743. METHOD OF CLEANING AUTOMOBILES. LOUIS J. BADARACCO, St. Louis, Mo., assignor to The Auto Laundry System Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 14, 1923. Serial No. 632,041. 2 Claims. (Cl. 87—5.)



2. The method of cleaning automobiles and the like as a continuous operation which consists of steps taken in the following order first spraying over the greasy parts a film of kerosene, second, dusting the interior of the car with compressed air during which time the grease absorbs the kerosene and becomes softened; third, washing the top of the car and simultaneously therewith subjecting the underside of the car and fenders and the wheels to an upwardly directed spray of water under pressure for softening the road accumulations thereon; fourth, subjecting the parts of the car thus treated to the action of a high velocity spray of water intermingled with a preponderance of air under pressure for removing the road and grease accumulations which have become softened under the action of the previous sprays; fifth, flushing the remainder of the outside of the car with water for floating off lightly lodged foreign matter therefrom, and lastly drying the automobile.

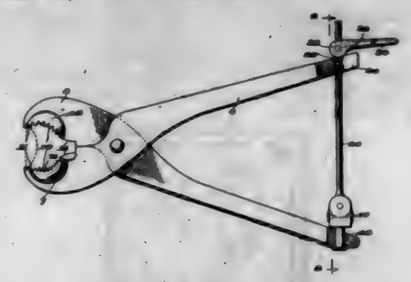
1,540,744. APPARATUS FOR WASHING AUTOMOBILES. LOUIS J. BADARACCO, St. Louis, Mo., assignor to The Auto Laundry System Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 21, 1923. Serial No. 633,788. 10 Claims. (Cl. 299—84.)

1. An automobile washing apparatus comprising a tank, means for introducing a liquid into said tank, means for introducing air under pressure into said tank, a mixer provided with an outlet, a nozzle adjustably located entirely in said mixer coacting with said outlet for cutting off or regulating the amount of liquid passing through said mixer, means for passing air through said nozzle, means for admitting liquid under pressure to said mixer and a delivery means secured to said mixer.



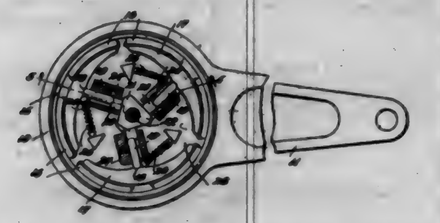
10. An automobile washing apparatus comprising a plurality of liquid tanks, a mixer for each tank and means whereby all the mixers or any one of them may be used with any tank.

1,540,745. PLIERS. ZERO M. BAIN, Coffee Creek, Mont. Filed Jan. 5, 1925. Serial No. 648. 2 Claims. (Cl. 294—41.)



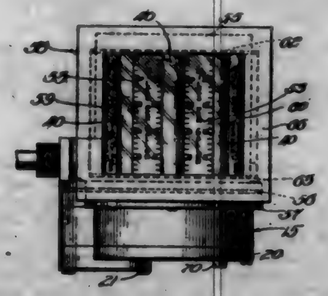
1. A pair of pliers comprising handles having jaws, a shank permanently connected to one of said handles and having a pivot member, a stem connected to said pivot member and being threaded, a nut threaded on said stem and having a reduced terminal portion, one end of one of said handles being provided with a slot receiving the reduced terminal portion of said nut, and a lever pivoted at its forward end to said nut and being of channeled construction to provide a groove for the reception of said stem.

1,540,746. SHOCK ABSORBER. JAMES PIERCE BALDWIN, Los Angeles, Calif. Filed Nov. 11, 1924. Serial No. 749,277. 4 Claims. (Cl. 188—130.)



1. In a shock absorber, in combination, relatively movable but non-separable friction and supporting members, and a brake shoe and movable strut interposed between said members, one end of the strut being carried by the support and the other end engaging the brake shoe, the arrangement being such that the strut tends to assume such position as to transmit thrust in a direction normal to the friction member as it moves in one direction, and means for preventing said strut from assuming such position, for the purpose set forth.

1,540,747. METER AND THE LIKE. THOMAS A. BANNING, Jr., Wilmette, Ill. Filed Dec. 29, 1923. Serial No. 683,883. 34 Claims. (Cl. 235—1.)



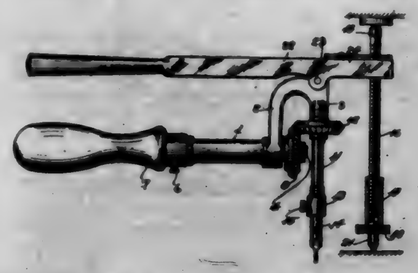
1. In a device for displacing liquid substantially in proportion to the travel of a motor and a receptacle for liquid so displaced, means for delivering liquid from said displacing means to said receptacle for accumulation in the receptacle during the consumption of a unit of fuel by the motor, and means for indicating the ratio of liquid delivered to the receptacle as compared to fuel required to propel the motor, substantially as described.

1,540,748. PROCESS OF MANUFACTURING ETHYLENE DIHALIDES. WALTER BAUER, Darmstadt, Germany, assignor to Röhm & Haas Aktien-Gesellschaft, Darmstadt, Germany, a Firm. Filed Apr. 26, 1922. Serial No. 556,765. 2 Claims. (Cl. 260—166.)

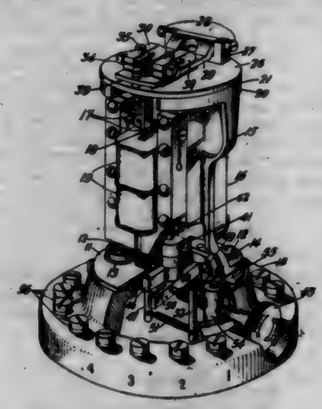
1. The herein-described process of manufacturing ethylene dihalides, which consists in reacting acetylene and hydrogen halide in presence of a gaseous oxydizing substance.

1,540,749. SCREW-DRIVING DEVICE. ARTHUR A. BEACH, Glendale, Calif. Filed Apr. 24, 1924. Serial No. 708,797. 8 Claims. (Cl. 144—32.)

1. A tool including a curved frame having a cylindrical member projecting therefrom, a tool shaft rotatably supported in the curved frame at right angles to the cylindrical member, a tool socket carried by one end of said tool shaft, an operating shaft mounted in the cylindrical member, a handle for operating said shaft, cooperating bevel gears on the operating shaft and tool shaft, to drive the latter in the operation of the former, a supporting means including a threaded shaft terminally formed to permit said shaft to be rigidly held between spaced supports, and a handle member pivotally connected with the curved frame and adjustable longitudinally of the threaded shaft.



1,540,750. ELECTROMAGNETIC DEVICE. WILLIAM O. BECK, Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1921. Serial No. 479,064. 10 Claims. (Cl. 200—95.)

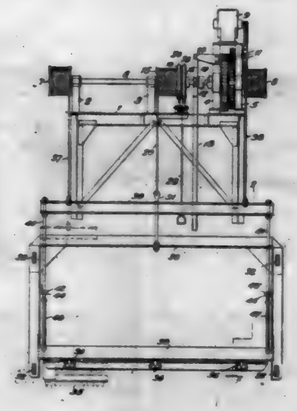


10. An electromagnetic device comprising an operating coil, a support therefor, an armature, a contact member engaged upon the operation of said armature, a supporting plate for said contact member, a flexible intermediate member rigidly connected to said plate and to the support, a shaft rotatably mounted in said support and having a cam at one end adapted to engage a roller rotatably mounted upon said plate, and means for causing the rotation of said shaft to alter the position between the contact member and the armature.

1,540,751. HOISTING APPARATUS. FRANK R. BENSON, Kecoughtan, Va., assignor to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed Feb. 9, 1924. Serial No. 691,696. 10 Claims. (Cl. 254—185.)

1. In hoisting apparatus, a rotatable shaft, a brake drum fixed on said shaft, a winding drum loosely mounted

on said shaft, a brake drum fixed to said winding drum, and means for limiting the relative movement between



said brake drums comprising stops on each of said drums adapted to engage with each other.

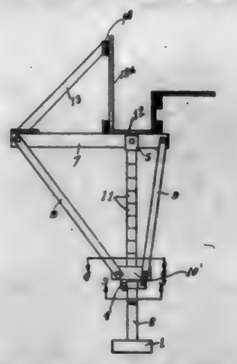
1,540,752. OBJECTIVE LENS SYSTEM. WILLIAM F. BIELICKE, Berlin-Neukolln, Germany. Filed Mar. 8, 1924. Serial No. 697,931. 1 Claim. (Cl. 88—57.)



In an objective lens system for photographic, microscopic, projection, and similar purposes, the combination of four lenses, to wit, a collective and a dispersive lens separated by an air space and situated on a side of the diaphragm facing the incident light and two collective lenses separated by an air space on the rear side of the diaphragm one of these collective lenses having its focal length not longer than twice and the other not greater than the focal length of the combined objective lens and one of these collective lenses at the rear of the diaphragm having its weaker curvature facing the diaphragm.

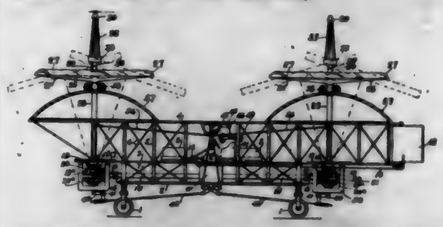
1,540,753. SHORING DEVICE. JAMES S. BIRCH, Chicago, Ill. Filed Jan. 11, 1924. Serial No. 685,511. 1 Claim. (Cl. 248—2.)

In a shoring device, a base, a hollow tube extending from said base, a clamping collar resting upon said tube, a rod extending through said clamping collar, a bracket attached to the upper end of said rod, a beam supported by said bracket, a plurality of pipe sections



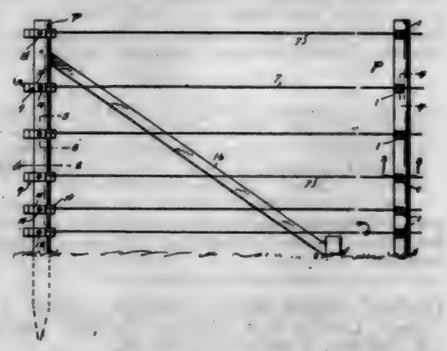
surrounding said rod and extending between said collar and bracket, a block supported upon said collar and braces connecting said beam and block.

1,540,754. FLYING MACHINE. CHARLES C. BLACKMORE, Dayton, Ohio. Filed Dec. 6, 1922. Serial No. 605,159. 3 Claims. (Cl. 244—19.)



1. In a helicopter, a lifting propeller, a shaft supporting said lifting propeller at its upper end, means to support the lower end of said shaft to permit the same to swing in a vertical plane, a carriage supporting said shaft adjacent its upper end, an arcuate guide way supporting said carriage, said guide way being concentric to the point about which said shaft swings, and a parachute carried by the upper end of said shaft and swinging therewith.

1,540,755. FENCEPOST. GLEN H. BRADY, Shinnston, W. Va. Filed Apr. 5, 1924. Serial No. 704,467. 2 Claims. (Cl. 256—40.)



2. As a new article of manufacture, a channel fence post having outstanding bosses carried thereby at points

spaced longitudinally thereof, each of said bosses being provided with means for attaching wire engaging means thereto, a turn collar mounted upon the post, said collar being cruciform to interlock with the bosses when in one position, and wire clamping means associated with the collar.

1,540,756. FASTENER AND TIGHTENER FOR TIRE CHAINS. FREDERICK M. BROWN, Fort Dodge, Iowa. Filed Jan. 25, 1924. Serial No. 688,519. 6 Claims. (Cl. 24—69.)



1. A chain fastener comprising a bar having a transversely arranged pivot pin upon one end, one edge being provided with a notch and its free end provided with a hook, one edge provided with diverging sides terminating in longitudinally extending shoulders, and a restricted portion above said shoulders, substantially as described and for the purposes stated.

1,540,757. METHOD OF FORMING HELICOIDAL SURFACES. EARLE BUCKINGHAM, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 13, 1922. Serial No. 543,403. 35 Claims. (Cl. 76—101.)



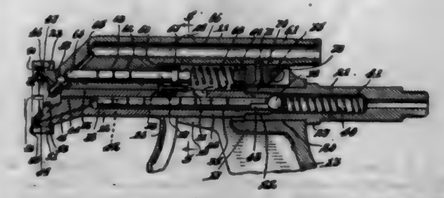
9. The method of forming a hob, which consists in rotating a blank, in forming a thread on the blank having helcoidal surfaces, in cutting flutes on the blank through the thread, and in side relieving the helicoidal surfaces on the sides of the teeth by a constant relief while maintaining the lead unchanged, whereby the effective contour behind each cutting surface is the same at successivee surfaces of intersection similar to the initial cutting face.

1,540,758. SPRING-CLIP BRACKET FOR BURKE HAND FIRE EXTINGUISHERS. GEORGE W. BURKE, Jr., Dayton, Ohio. Filed Sept. 12, 1922. Serial No. 587,831. 2 Claims. (Cl. 248—20.)



2. A bracket for cylindrical objects comprising, a plurality of substantially parallel loops each loop having an opening therein, parallel guide bars secured in perpendicular relation to the parallel loops adjacent the open ends thereof, the opening in one end loop being of such width as to guide a lug on an object to be retained by the bracket but to prevent its passing therethrough, the loop ends of the other end loop passing toward each other sufficiently to retard rearward movement of an object therein due to its own inertia but allowing rearward movement of such object on a positive pull, means for attaching the bracket to a support.

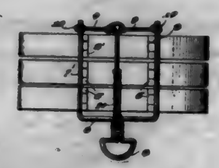
1,540,759. PNEUMATIC PAINTBRUSH. JAMES H. CAHILL and RALPH H. KINGDON, Chicago, Ill., assignors to Sears, Roebuck and Co., Chicago, Ill., a Corporation of New York. Filed Oct. 7, 1922. Serial No. 592,945. 26 Claims. (Cl. 91—45.)



6. In a pneumatic paint brush the combination of a handle, an air conduit adapted to be rigidly engaged with said handle, a paint conduit adapted to be demountably engaged with said air conduit and said handle, valves for said conduits, operating elements for said valves, and a single trigger for actuating said elements, said operating element for said paint valve having a lost motion detachable operating connection with said trigger.

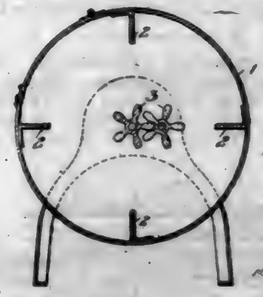
7. In a pneumatic spraying device the combination of a handle having spaced projecting walls thereon, a pair of conduits adapted to be supported thereby in operative relation, one of said conduits conducting liquid substance to be sprayed and the other the air to serve as the transmitting medium therefor, each of said conduits having a control valve, a trigger having a forked portion permanently mounted in said handle between said spaced walls thereof, said conduits being mounted in operative relation in said handle projecting between the legs of said forked trigger, operating stems for said control valves and means engageable by the legs of said trigger for operating said stems.

1,540,760. ASSEMBLING DEVICE. OSCAR C. CARDIN, Valentine, Nebr. Filed June 3, 1924. Serial No. 717,611. 3 Claims. (Cl. 29—87.1.)



1. In an assembling device for use in holding the transmission bands in position on the transmission drums, a holding frame including a body portion having a handle, a pair of arms extending from the body portion and engageable with the lgs of the transmission bands, and readily releasable means cooperable with the outer ends of the arms for maintaining them engaged with the lugs, said readily releasable means comprising a rod fixed to the frame, a shiftable rod mounted on said fixed rod, a spring for drawing said shiftable rod inwardly, and links carried by the shiftable rod and having eyes engageable with the outer ends of the arms.

1,540,761. CHURN. OTTO I. CHORMANN, Rochester, N. Y., assignor to The Pfaudler Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 5, 1924. Serial No. 684,519. 5 Claims. (Cl. 259—84.)



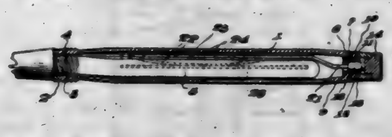
2. A closed container adapted for the treatment of fatty materials and liquids comprising a metal body having an interior lining of vitreous enamel provided with a matt surface.

1,540,762. TOBACCO PIPE. GEORGE C. CORDES, Detroit, Mich. Filed Apr. 18, 1922. Serial No. 554,411. 1 Claim. (Cl. 131—12.)



A tobacco pipe having a recessed stem and an insert within the recess of the stem composed of inner and outer tubes of absorbent material, the inner tube being exposed to the smoke and of a material to rapidly absorb the moisture and nicotine thereof, and the outer tube being of greater thickness of material than the inner tube and serving to gradually absorb the collected moisture and nicotine of the inner tube.

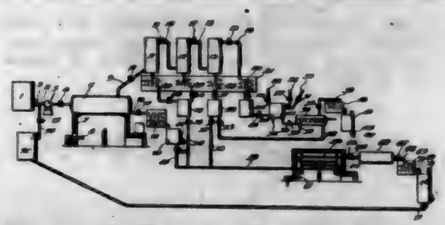
1,540,763. FOUNTAIN PEN. SAMUEL V. CORONA, Janesville, Wis. Filed July 15, 1921. Serial No. 484,903. 4 Claims. (Cl. 120—46.)



1. In a self filling fountain pen, a barrel, a sleeve, a ferrule connecting said sleeve and barrel to permit rotary movement of the sleeve, an ink bag, means for compressing said ink bag, a longitudinally movable cam carried by said ferrule, a second cam rotatable with said sleeve and engaging said first named cam for operating said bag compressing means.

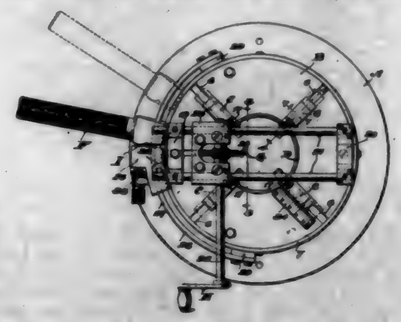
1,540,764. APPARATUS FOR TREATING PETROLEUM OILS. WALTER M. CROSS, Kansas City, Mo., assignor to Gasoline Products Company, New York, N. Y., a Corporation of New York. Filed July 20, 1922. Serial No. 576,197. 3 Claims. (Cl. 196—106.)

1. In an apparatus for treating petroleum oils, the combination with means for fractionally distilling the oil having separate condensate collecting means, of means for refining the lighter fractions of a gasoline-like character, a drawoff line for tarry residual products from the fractional distilling means and means whereby the tarry residual products are combined with the higher boiling point fractions from said distilling means, a pressure distilling means for cracking said higher boiling point fractions and residual products from the fractional dis-



tilling means comprising a heating element, a reaction chamber connected thereto whereby the higher boiling point fractions and residual products may be subjected to the converting reaction of temperatures and pressures regulated to produce conversion of the oil while in substantially liquid phase, means for returning the synthetic products from the cracking means to the initial distilling means for redistillation.

1,540,765. PISTON-RING-FITTING APPARATUS. CHARLES E. DANIELS, Atchison, Kans. Filed Feb. 14, 1924. Serial No. 692,773. 15 Claims. (Cl. 90—59.)



1. In an apparatus for milling the ends of a piston ring, the combination of a support for said ring, of a milling tool adapted to be located between the ends of the ring, and means for progressively compressing the ring up to a predetermined point whereby the ends thereof will be pressed against the milling tool, and means for operating said tool.

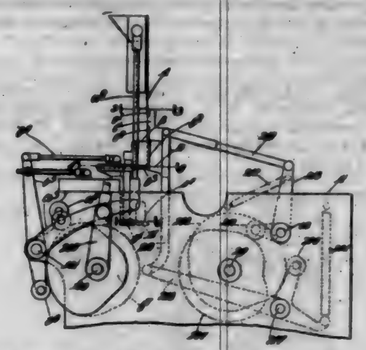
1,540,766. METAL PROCESS. SAMUEL DANIELS and ARTHUR C. ZIMMERMAN, Dayton, Ohio, assignors to Thomas Butmann, trustee, Dayton, Ohio. Filed Feb. 23, 1923. Serial No. 620,833. 35 Claims. (Cl. 147—7.)

1. A process for treatment of metals which comprises, coating the metal with a silicate and heating said coating to permanently affix it.

1,540,767. MACHINE FOR MAKING AND FILLING PACKETS. ALBERT DAY, Wingham Grove, London, England. Filed Apr. 14, 1924. Serial No. 706,437. 5 Claims. (Cl. 93—2.)

1. In a machine for making and filling packets, a vertically reciprocable former, a folder having consecutive horizontal and vertical movements, said vertical movements of said folder synchronizing with the vertical

movements of said former, a stationary mould located under said former and vertically slotted to give passage



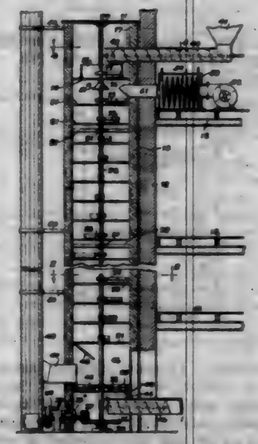
to said folder, said mould having a movable bottom to give passage to a packet, and an ejector platform located below said mould.

1,540,768. METHOD OF AND MEANS FOR THE MEASUREMENT OF COLORS. ELWOOD EDIE, Berlin, N. H., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Sept. 1, 1921. Serial No. 497,588. 11 Claims. (Cl. 88—14.)



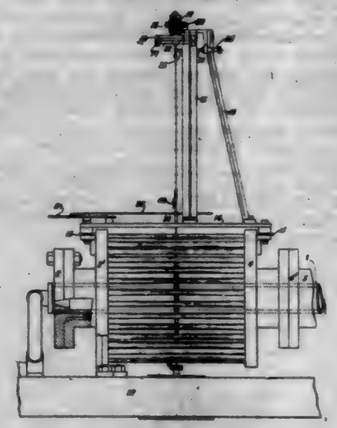
1. Mechanism for gaging color values, comprising a series of rotary members each having permanent opaque sectors of different nonfading colors, the sectors of the one color diminishing in area in the series and the sectors of another color increasing in area, said sectors being capable of reduction in thickness without variation from their original colors.

1,540,769. DRIER. CHARLES OSCAR ERICSON, Helmetta, N. J. Filed Mar. 23, 1923. Serial No. 627,129. 17 Claims. (Cl. 34—33.)



1. A drier comprising a vertical hollow body having a series of transverse shelves therein arranged at different elevations and delivering one to the other, means for forcing the material from shelf to shelf, means for forcing a drying medium into the upper part of the drier body, means for exhausting the moist air from the lower part of said body, and means for withdrawing the dried stock from the lower part of the body.

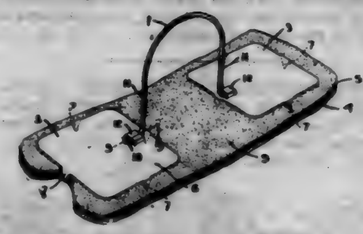
1,540,770. FILAR CONTROL. MICHAEL BIRT FIELD, Glasgow, Scotland, assignor to Kelvin Bottomley & Baird, Limited, Glasgow, Scotland, a Corporation of Great Britain. Filed Oct. 12, 1921. Serial No. 507,332. 9 Claims. (Cl. 171—95.)



4. In a measuring or like instrument, in combination, a pivoted moving system, a bifilar suspension above said system, and means independent of said system exercising in said suspension axial force less than the weight of said system.

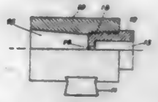
7. A filar control means for measuring instruments and the like, comprising filaments in parallel and a strut connecting said filaments intermediate their ends in such wise as to equalize the tensions in said filaments.

1,540,771. WICKET AND STAKE FOR INDOOR CROQUET. EDWARD S. FOSTER, Boston, Mass. Filed Mar. 15, 1924. Serial No. 699,572. 2 Claims. (Cl. 273—83.)



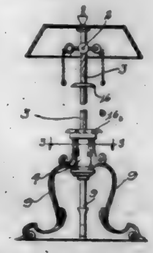
2. A wicket for use in playing indoor croquet on a floor having a covering, comprising an arch formed of heavy wire having the end of each arm of the arch flattened and bent at right angles to said arm, separate thin, flat, metallic sheets to lie on the floor covering and form supports for the arch, each having a struck-up portion between which and the main portion of the sheet said flattened end is clamped and sharp pointed tabs extending downwardly from each sheet to enter the floor covering and prevent lateral movement of the wicket.

1,540,772. FORESIGHT. JAMES WILLIAM GIBBS, Victoria Park, Western Australia, Australia, assignor of one-half to James Lockhart, West Perth, Western Australia, Australia. Filed Mar. 31, 1922. Serial No. 548,496. 1 Claim. (Cl. 33—47.)



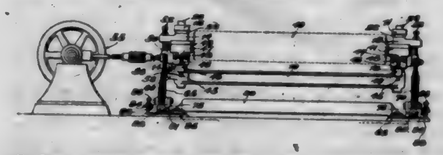
A foresight for firearms comprising a main body, means for attaching said body to a gun barrel, said body having a cylindrical bore extending from one end to the other thereof, which bore is flared outwardly from a point substantially midway between the ends to one end thereof, the other end of said bore being threaded, and a cup-shaped member externally threaded to engage the threads of said bore and having a sighting hole centrally of its bottom substantially as described.

1,540,773. STAND LAMP. JOSEPH GOLDMAN, Chicago, Ill. Filed Nov. 8, 1924. Serial No. 748,729. 2 Claims. (Cl. 240—81.)



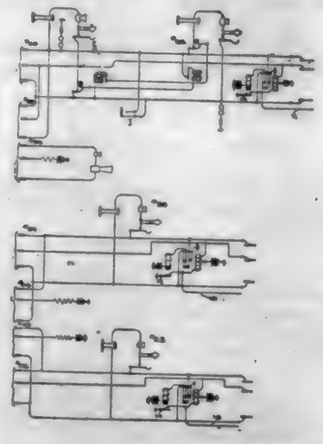
1. A device of the type described comprising a substantially upright body member, a supporting member secured to said body member, said supporting member having a plurality of substantially vertical flat surfaces, a plurality of radial members having portions adapted to lie in engagement with the flat surface of said supporting member, a portion of said supporting member being constructed to overhang and partially receive said radial members at one end of the flattened portions, and a disc having an annular groove adjacent to the peripheral edge thereof arranged for movement on said body member, whereby said disc may be moved into engagement with the radial members at the lower parts of the flat portions thereof, these portions being received in the groove in said disc.

1,540,774. PAPER-MAKING MACHINE. RUFUS H. GRANT, Westbrook, Me., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed Feb. 2, 1924. Serial No. 690,230. 20 Claims. (Cl. 92—45.)



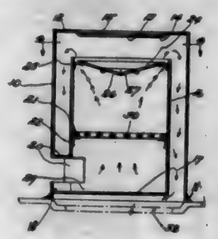
8. In a paper making machine, the combination of a laterally vibratory shake-frame, driving connections joined to said shake-frame for imparting lateral movement thereto; and one or more upright spring bars connected at one end to said shake-frame and at the other end to a suitable support, each bar being composed of a plurality of leaves of varying lengths and being tensioned to constantly tend to move the shake-frame to the limit of its vibration in one direction and thereby imposing tension upon said driving connections throughout movement of the shake-frame in both directions of its vibration.

1,540,775. WATCHMAN'S SERVICE. EDWIN L. GRAUEL, Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 20, 1919. Serial No. 318,655. 4 Claims. (Cl. 179—5.)



1. In a telephone system, lines, means for extending talking circuits therefrom, a watchman's supervisory system consisting of a signal for each line operated when a call is made from that telephone independent of said talking circuit, together with a time recording device adapted to record the number of the telephone calling and the time at which the call is made, together with an attendant's station at which said signals are located, and means whereby said attendant may connect with any calling station over which a signal has been operated regardless of its busy condition over a path also independent of said talking circuit.

1,540,776. HEATER. GEORG HAFNER, New York, N. Y. Filed Jan. 12, 1924. Serial No. 685,733. 1 Claim. (Cl. 126—58.)



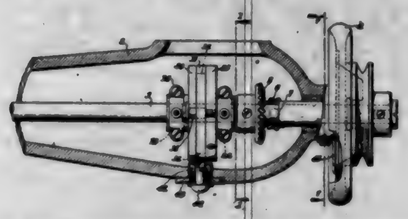
A heater comprising an outer circular casing open at the bottom, a lid closing the upper end of the outer casing, an additional inner casing mounted concentrically in the outer casing, said inner casing being closed at the bottom and open at the top, the inner casing communicating with the outer casing at the top of the heater walls connecting the inner and outer casings at the bottom and bounding an opening communicating with the chamber of the inner casing, a grate mounted in the inner casing above the opening, a conical baffle mounted inverted in the upper end of the inner casing, said baffle having an opening therein, semi-circular doors normally closing said opening and spring actuated hinges supporting said doors, the air circulation being adapted to enter the inner casing through the opening beneath the grate and course upwardly around the baffle and then downwardly between the inner and outer casings and out through the lower open end of the outer casing.

1,540,777. BOOKMARK. ISAAC HELLERMAN, New York, N. Y. Filed July 27, 1922. Serial No. 577,800. 1 Claim. (Cl. 116—119.)



A book marker comprising a one-piece clamp having gripping jaws of unequal length adapted to engage with the cover of a book, a pair of eye members formed integrally with said clamp to extend at right angles to the longer of said jaws, a rod member disposed between and secured by said eye members, and a marker extending along said rod member, said marker being adapted to swing in a plane at right angles to the cover that normally engages with said clamp.

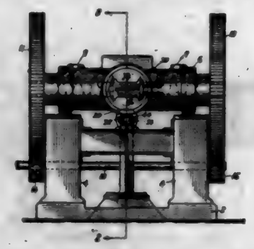
1,540,778. FEEDING MECHANISM FOR SEWING MACHINES. MARTIN HEMLER, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed July 16, 1923. Serial No. 651,801. 6 Claims. (Cl. 112—210.)



1. Feeding mechanism for sewing machines comprising a main-shaft, a main supporting disk fast on said main-shaft, and having a hub constituting a feed-lifting eccentric, a carrier-disk adjustable relative to said main-supporting disk, a feed-advancing eccentric formed integral with said carrier-disk, an adjusting disk intermediate said main and carrier-disks, a feed-dog, and operative connections between said eccentrics and said feed-dog.

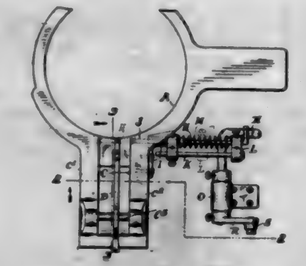
1,540,779. EXTRUDING MACHINE. OSCAR D. HOLLENBECK, Racine, Wis. Filed Sept. 17, 1923. Serial No. 663,026. 3 Claims. (Cl. 18—12.)

1. In a machine for extruding rubber or analogous plastic material, a casing having a passageway leading therefrom, a removable die head threaded into the passageway, and means for removing said head from said passageway, said means including a gear on the head, a pinion meshed therewith and means for rotating the



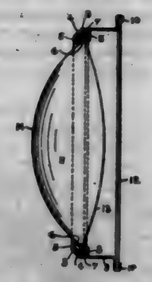
pinion, said pinion being adapted to mesh with said gear throughout the movement of said head out of said passageway.

1,540,780. GAP-CLOSURE ATTACHMENT FOR KNITTING MACHINES. EDWARD JACKSON, Reading, Pa., assignor to The Nolde and Horst Company, Reading, Pa., a Corporation of Pennsylvania. Filed June 5, 1924. Serial No. 717,935. 4 Claims. (Cl. 66—12.)



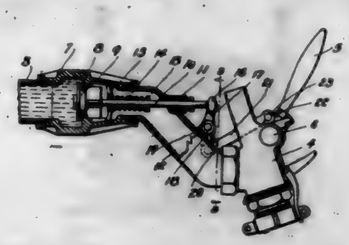
1. In a knitting machine the combination with a plurality of pivotally operated thread-guide members and a latch ring having a thread-guide gap, of a gap closing member comprising a straight bar movable across said gap in a plane substantially tangential to said ring, and means for determinedly moving and retracting said bar.

1,540,781. MOUNT FOR CONDENSER LENSES. CARL W. KEUFFEL, Weehawken Township, Hudson County, N. J., assignor to Keuffel & Esser Co., Hoboken, N. J., a Corporation of New Jersey. Filed Nov. 6, 1922. Serial No. 599,257. 2 Claims. (Cl. 88—24.)



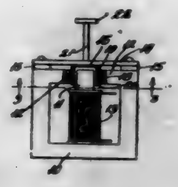
1. In a mount for a condenser lens the combination of a holder member having a heat insulating lining and a retaining plate removably secured to said holder member which is adapted to fit the ordinary condenser holder of projection machines, and brackets removably mounted on said holder member and a transparent guard plate mounted in said brackets.

1,540,782. FAUCET. ANDREW A. KRAMER, Kansas City, Mo. Filed June 9, 1922. Serial No. 567,151. 4 Claims. (Cl. 137—21.)



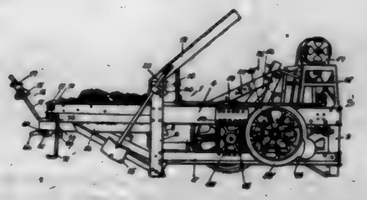
1. In combination with a dispensing conduit and a faucet at the discharge end of the conduit, a valve in the conduit, normally yieldingly held in closed position and having a stem extending to the exterior of the conduit, a handle for the faucet, and means operable by said handle and on said stem to unseat the valve when the faucet is opened.

1,540,783. VIBRATION INSTRUMENT FOR BONE AUDITION. FREDERICK W. KRANZ, Geneva, Ill. Filed Mar. 29, 1923. Serial No.628,683. 2 Claims. (Cl. 179—107.)



1. In an apparatus for translating alternating currents into mechanical vibrations, means for producing a magnetic field, a bar, means for causing vibration of said bar by the combined action of said magnetic field and said alternating currents, the area of said bar in contact with the air being small enough to minimize vibrations of the air caused by said vibrations of the bar, a disk, and a rod connecting said disk to said bar.

1,540,784. BALER. GEORGE W. LANGFORD, Ann Arbor, Mich., assignor to Economy Baler Company, Ann Arbor, Mich., a Corporation of Michigan. Filed May 17, 1919. Serial No. 297,899. 8 Claims. (Cl. 100—9.)



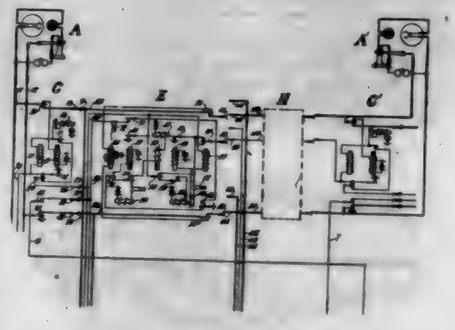
1. In a baler, the combination with a compression box and a plunger operating in said compression box, of a frame for supporting said parts having an upright, a cover member pivotally carried by said frame, and a cross bar carried by said frame beneath which one end of the cover is held when the cover is in use, and a single locking member for holding the other end of said cover.

1,540,785. REEL. ALBERT LATHAM, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me., a Corporation of Maine. Filed Nov. 6, 1919. Serial No. 336,042. 9 Claims. (Cl. 206—52.)



1. A reel comprising a body constructed and arranged to receive material wound upon it and having means to receive a winding spindle, a head carried by and fixed against movement on the body and an enclosing portion separably mounted upon the head.

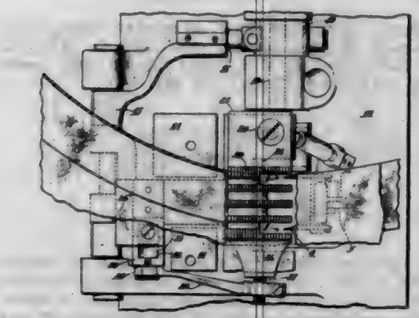
1,540,786. TELEPHONE SYSTEM. CLARENCE B. LOMAX, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 11, 1923. Serial No. 611,916. 13 Claims. (Cl. 179—27.)



1. In a combined telephone and watchman's service system, a plurality of outlying stations, a central station, means operable by the watchman at the outlying station to extend talking connections therefrom to said central station in a definite order, and means responsive to the watchman's call for sounding an alarm at the central station if the watchman calls in from one of said outlying stations out of its regular turn.

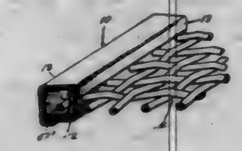
1,540,787. FEEDING MECHANISM FOR SEWING MACHINES. CALVIN H. LUCY, Baltimore, Md., assignor to The Singer Manufacturing Company, a Corporation of New Jersey. Filed Mar. 11, 1919. Serial No. 281,951. 15 Claims. (Cl. 112—206.)

1. In a sewing machine, in combination, stitch-forming mechanism including a plurality of spaced needles, and work advancing mechanism including a presser member and cooperating four-motion feed-dog sections adjacent



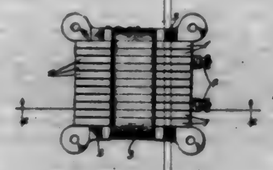
the respective needles and movable at the same angular velocity in concentric horizontal paths to feed the work in a curved path without distortion.

1,540,788. BORDER FRAME FOR OPEN-METAL-WORK PANELS AND THE LIKE. EDWARD MCCLURE, Chicago, Ill. Filed Oct. 24, 1924. Serial No. 745,569. 10 Claims. (Cl. 189—64.)



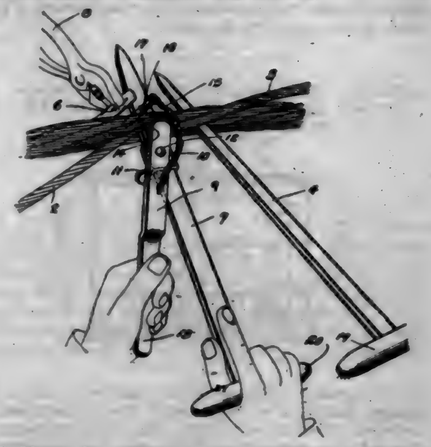
1. A border frame for metal-work and the like, comprising a flanged frame member, one of the flanges being adapted to receive the metal-work supported by the border frame, and channel like locking bars having flanged portions adapted to embrace two opposite edges of the flanges of the frame member.

1,540,789. TESTING TRANSFORMER. CLAUDE M. MCCORD, Richmond Heights, Mo. Filed Apr. 7, 1924. Serial No. 704,628. 5 Claims. (Cl. 175—356.)



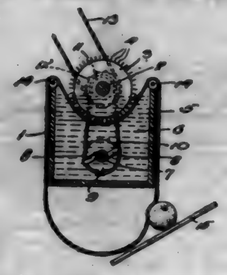
3. An integrally cast testing transformer comprising a body portion, upwardly extending flanges at the sides of the body portion, downwardly extending flanges supporting the body portion, said upwardly extending flanges and body portion having transverse slits therein which extend downwardly entirely through the body portion, and asbestos sheets filling said slits.

1,540,790. SPLICING NEEDLE AND TUCKER. DAVID H. MCCRAY, Tulsa, Okla. Filed July 18, 1924. Serial No. 726,768. 6 Claims. (Cl. 117—6.)



1. Means for splicing a cable comprising a blade, a tucker rod adjustably mounted on the blade and a cable stop on the blade.

1,540,791. MACHINE FOR APPLYING A LIQUID COATING OR PRESERVATIVE TO THE SKIN OF FRUIT. REX DE ORR MCDILL, Cienfuegos, Cuba. Filed June 10, 1922, Serial No. 567,372. Renewed Feb. 9, 1925. 3 Claims. (Cl. 91—54.)



1. A machine for applying a preservative liquid coating to fruit, consisting of a tank adapted to contain a suitable water repelling liquid coating, an absorbent fabric belt, means for driving the belt, and means for agitating the liquid coating in the tank, aforesaid belt being suitably arranged to contact with and apply the preservative coating to the fruit.

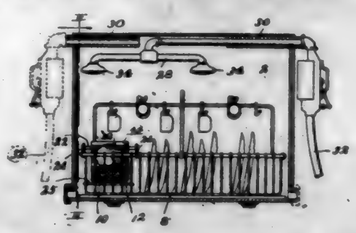
1,540,792. DISPENSING DEVICE. WALTER MCLAREN, Dayton, and URBAN A. KESIDLER, Oakwood, Ohio, assignors to The McLaren Products Co., Dayton, Ohio, a Corporation of Ohio. Filed June 2, 1923. Serial No. 642,927. 2 Claims. (Cl. 248—41.)



2. An article of manufacture comprising a stand having an open top with an inwardly extending ledge around

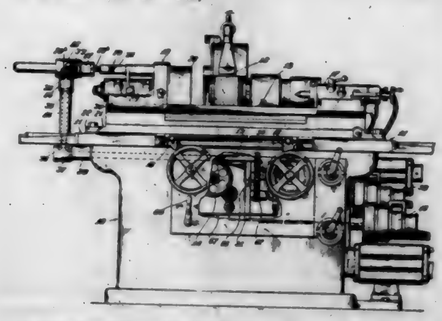
the opening, a rim surrounding and extending above the ledge and having a notch in one side, a removable tray supported on the ledge and having a laterally extending handle disposed in said notch, said tray having a plurality of cone receiving apertures.

1,540,793. TABLEWARE WASHER. GEORGE A. MALONEY, Kansas City, Mo. Filed Feb. 12, 1923. Serial No. 618,506. 5 Claims. (Cl. 141—9.)



1. In a washer of the character described, a vertically-disposed holder, a horizontal shaft fixed to said holder, U-shaped bearings in which said shaft is rockably mounted, and manually-controlled means for alternately discharging a fluid against opposite sides of the holder and the contents thereof to cleanse said contents and actuate the holder.

1,540,794. GRINDING MACHINE. RAYMOND C. MITCHELL, Springfield, Ohio, assignor, by mesne assignments, to Barber-Colman Company, a Corporation of Illinois. Filed Aug. 16, 1920. Serial No. 403,999. 1 Claim. (Cl. 51—95.)



A grinding machine having, in combination, with a base and a table reciprocable on the base, a shaft mounted to turn on a vertical axis at one end of the table, a plate pivoted on the table and having a head stock at the end adjacent said shaft and swingable transversely with the plate relative to the vertical shaft on the table, said head stock being mounted for longitudinal adjustment on the plate and having a horizontally disposed work driving element, said vertical shaft having its lower end passing through the table and terminating a substantial distance above the table, a horizontal longitudinally extending shaft having a gearing connection with the upper end of said vertical shaft, said gearing connection permitting the horizontal shaft to swing in a horizontal plane on the axis of said vertical shaft and also permitting the longitudinal movement of the horizontal shaft in a direction perpendicular to the axis of the vertical shaft, a flexible coupling between said horizontal shaft and the driving element of the head stock, said coupling being adapted to permit the head stock to be swung bodily relative to the vertical shaft transversely of said table on the pivotal center of said plate, and means operatively connected with the lower end of said vertical shaft for positively driving the same, and maintaining driving engagement therewith during the travel of the vertical shaft with the table.

1,540,795. CABINET FOR ELECTRIC SWITCHES. PAUL E. MONSON, Berkeley, Calif., assignor to Bryson D. Horton, Detroit, Mich. Filed July 15, 1918. Serial No. 245,114. 15 Claims. (Cl. 200—50.)



4. The combination with a switch cabinet, an electric switch therein, and a hinged cover therefor, an operating lever for opening and closing said switch, a lock mechanism for said cover operable by the movement of said lever, interlocking means embodied in said lock for holding said switch and lever in their open position when said cover is open, and means comprising a key-like member for disabling said lock whereby the switch can be closed while the cover is open, said last means having a portion adapted to cooperate with a complementary part of the interlocking means whereby said disablement may be normally effected through the use of said key-like means only.

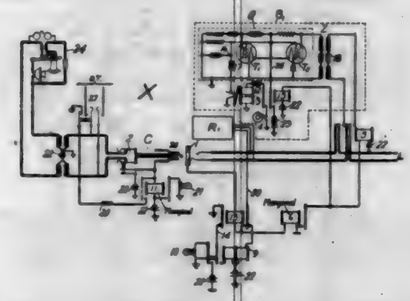
1,540,796. CAR CONSTRUCTION. WILLIAM E. MOREY, Chicago, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Oct. 24, 1923. Serial No. 670,422. 6 Claims. (Cl. 105—243.)

1. A convertible car having members providing a hopper for dumping between the tracks, swinging bottom walls adapted to occupy positions forming hopper walls or horizontal positions to form part of a substantially flat bottom, a second set of swinging bottom walls placed outwardly of the vertical planes containing the axes of rotation of said first mentioned swinging bottom walls, said latter swinging bottom walls being provided with intermediate swinging doors, and telescoping struts connecting the swinging edges of said intermediate swinging doors with said second set of bottom walls.

1,540,797. SIGNALING SYSTEM. PAUL B. MURPHY, Nyack, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 8, 1920. Serial No. 379,705. 16 Claims. (Cl. 179—4.

1. In an electric signaling system, means for generating electrical impulses of different audio frequencies, a transmitting medium, a transmitting station, means

thereat for applying the impulses to said transmitting medium separately and alternately in continuous succession, a receiving station, and receiving means thereat



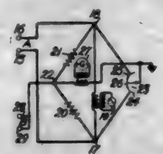
continuously connected to said transmitting medium and responsive only to the combined effect of the several electrical impulses when received singly and alternately over the transmitted medium.

1,540,798. WRENCH. WILLIAM A. NORTON, Marshalltown, Iowa. Filed Nov. 28, 1922. Serial No. 603,733. 3 Claims. (Cl. 81—85.)



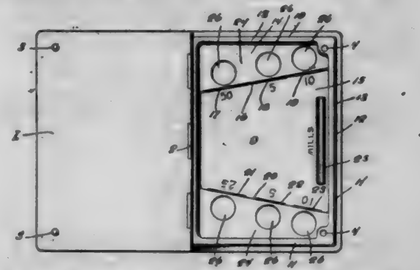
1. A wrench comprising a handle member having a fixed jaw member provided with an opening and a fixed pin, a movable jaw member provided with a screw threaded portion, a pin slidably mounted through the opening of said fixed jaw member, said slidable pin being designed to move in a plane parallel with the movement of said movable jaw member and having its outer end provided with an enlarged portion, a screw threaded member on the smaller portion of said slidable pin within the said opening and in operative relative with the screw threaded portion on said movable jaw member, a movable handle member having a yoke portion surrounding the head portion of the fixed jaw member, said yoke having an opening designed to receive said fixed pin from one edge of said fixed jaw member, the said yoke being provided with a cross member opposite from the opening of said yoke, the said cross member being provided with a cam portion to engage the said slidable pin, and a set screw for holding the yoke portion in operative position on said fixed pin.

1,540,799. SYSTEM FOR MEASURING THE CAPACITY OF ELECTRICAL CIRCUITS. DARRELL NUNN, West Kensington, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 6, 1923. Serial No. 617,283. 5 Claims. (Cl. 179—175.)



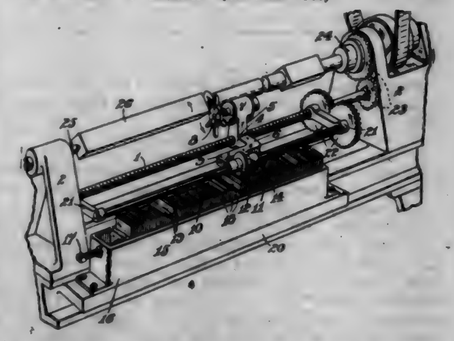
1. An apparatus for measuring the capacity unbalances of a phantomed circuit comprising means for measuring the side-to-earth unbalances independently of the internal characteristics existing between the pairs of the phantomed circuit, said means comprising a bridge arrangement and means for symmetrically connecting one pair of line conductors with respect to the other pair while measuring the side to earth unbalance in said other pair.

1,540,800. NOVELTY CONTAINER. JOHN NUTRY, Ridgewood, N. J. Filed Apr. 18, 1922. Serial No. 555,468. 13 Claims. (Cl. 232—4.)



1. A book-shaped bank comprising a body portion and front and back covers arranged to swing into and out of closed position against the body portion, the body portion having a front wall beneath the front cover, said front wall having a money slot therein thru which coins may be inserted into the body, the back cover constituting a closure for the otherwise open back of the body, the front cover being readily openable, and means whereby the back cover may be locked against opening by unauthorized hands.

1,540,801. AUTOMATIC WOOD TURNER. WALTER O'NEEL, Shelbyville, Ind. Filed Mar. 31, 1924. Serial No. 703,083. 7 Claims. (Cl. 142—37.)



1. In a machine of the character described, the combination with a cutter head, of a support therefor and

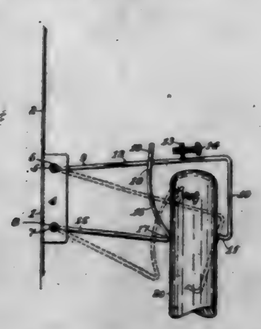
means for causing said support to oscillate, including a template having a plurality of track teeth of different elevations and a helical cam arranged to engage said teeth.

1,540,802. GAME. FRANK L. ORDWAY, Salem, Mass., assignor to Parker Bros., Salem, Mass., a Corporation of Maine. Filed Aug. 19, 1922. Serial No. 582,882. 5 Claims. (Cl. 273—101.)



1. Game apparatus comprising in combination, a vertical spindle, a platform having means for removably supporting the same upon said spindle, means for rotating said spindle thereby to move said platform at a predetermined speed when so supported, a series of figures mounted upon and movable relatively to said platform, and a movable engaging member controllable by the player and with respect to which said figures are moved by the platform, said figures being adapted readily to be moved relatively to said platform when engaged by said member.

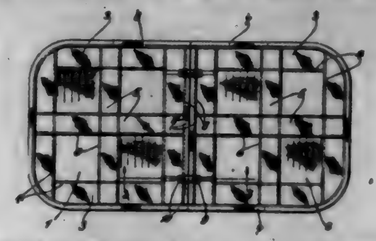
1,540,803. BROOM HOLDER. LEONARD J. POWERS, Waterloo, Iowa. Filed June 26, 1924. Serial No. 722,511. 2 Claims. (Cl. 24—249.)



1. A device of the character described, comprising superposed clamping-members pivoted at their adjacent ends to supporting-means, said members being shaped to have horiosntally opposed and separable end clamping parts and being slidably connected for limited relative movements, and a stop-device mounted adjustably upon one said member opposed to a part of the other member to adjustably limit the spread apart of their clamping parts.

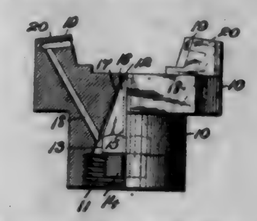
1,540,804. SEAT COVER. JOHN RHEES, St. Louis, Mo., assignor to Evr Klean Seat Pad Co., St. Louis, Mo., a Corporation of Missouri. Filed Mar. 10, 1922. Serial No. 542,590. 10 Claims. (Cl. 155—182.)

1. As an article of manufacture, a seat cover comprising a seating member and a back member, of which the back member is characterized by sufficient stiffness to remain extended vertically and both of which are characterized by sufficient flexibility to permit bending to the curvature of the seat and back of the support to which they may be applied, and a border of flexible material enclosing the outer marginal edges of each of said members, and pivotally uniting the lateral side edges of said members and leaving the intermediate portions of



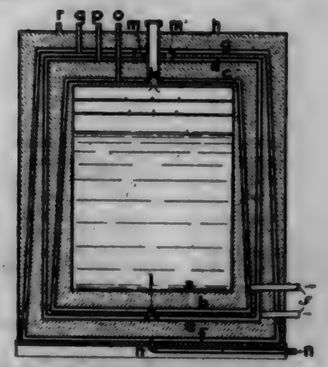
said members disconnected to permit the intermediate portions to spread away from each other in conformity to the contour of the seat and back of the support.

1,540,805. NOZZLE FOR AIR BRUSHES. CARL L. REICHENBACH, Yonkers, N. Y., assignor to Howard W. Bench, Newark, N. J. Filed June 2, 1923. Serial No. 642,952. 2 Claims. (Cl. 91—45.)



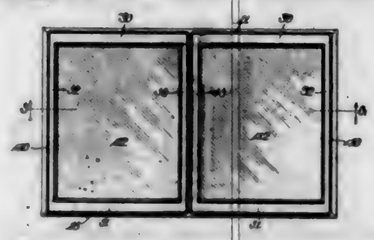
2. A nozzle for air brushes comprising a nozzle casing having a central main opening, side passages having their outlets inclined slightly forwardly relative to the stream from the main bore and tangential to said main bore, and means in said nozzle casing for increasing the velocity of the stream from the main bore.

1,540,806. VESSEL FOR CONVEYING AND STORING LIQUEFIED GASES. WILHELM ROHN, Hanau-on-the-Main, Germany. Filed Jan. 3, 1921. Serial No. 434,822. 4 Claims. (Cl. 220—0.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



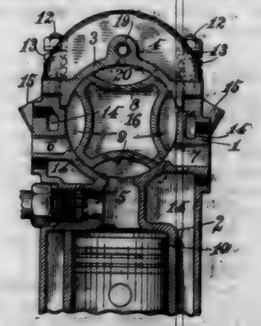
1. A vessel for storing (or conveying) liquefied gas consisting of a plurality of hollow shells placed one within the other, the hollow space in each shell being filled with insulating material and gas, the gas being of a kind whose point of condensation is as little below the average temperature existing in the said space as possible under practical conditions, and the quantity of the said insulating material being such that the particular combination of the density of the material and temperature is obtained that produces as nearly as possible the highest possible insulating effect, substantially as described.

1,540,807. DISPLAY COVER FOR RELATIVELY LONG BOXES. JACOB L. RUSSAKOV, Chicago, Ill. Filed July 14, 1924. Serial No. 725,888. 3 Claims. (Cl. 217—56.)



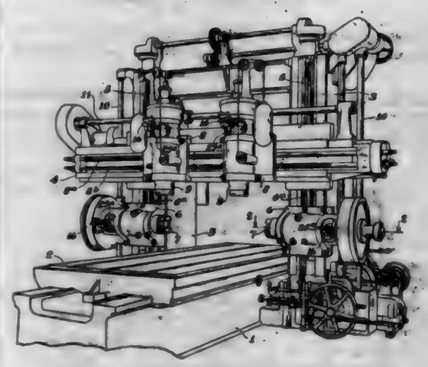
1. A display cover for a relatively long rectangular open-top box of the character described, comprising in combination a substantially flat sheet metal base of relatively long and narrow side and end parts arranged to conform in shape to the top of the box and adapted to rest upon the top edges thereof, said base having depending continuous flanges adapted to telescope readily removably upon the box and to hold the base thereon, said base parts defining an open interior substantially the area of the open top of the box, a strip-like support extending from one side base part to the other side base part substantially midway between the end base parts and across said open interior and dividing said open interior into two substantially equal parts, a pair of doors with a relatively large sight-opening in each thereof hinged upon the respective end parts of the base and adapted normally to overlie said parts of the open interior respectively and to open so as to stand entirely away from said open interior, each of said sight openings being covered with substantially transparent material, there being an upstanding continuous flange-like part surrounding each part of the open interior, the doors telescoping respectively with each upstanding flange-like parts.

1,540,808. ROTARY VALVE. CHARLES A. SAWTELLE, Detroit, Mich., assignor of one-fourth to G. Edward Huff, Detroit, Mich.; one-fourth to Bert E. Cook and one-fourth to A. E. Lea, both of Ypsilanti, Mich. Filed Oct. 23, 1920. Serial No. 419,041. 7 Claims. (Cl. 123—177.)



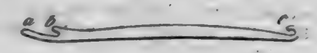
1. In an internal combustion engine, a cylinder, a valve casing carried by said cylinder and having a cylindrical chamber, said casing having an inlet port, an outlet port and a port connecting said chamber with said cylinder, a valve rotatably mounted in said chamber and having a peripheral port to successively connect said cylinder port with said inlet port and said outlet port, and means for cooling said cylinder, said valve casing comprising a portion constituting a cap which is independent of said cooling means and the temperature of which is controlled by said valve, said cap being free to expand and contract uniformly with said valve and thereby maintain a uniform clearance between the same and said valve.

1,540,809. SAFETY DEVICE FOR MILLING MACHINES. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 22, 1923. Serial No. 614,287. 11 Claims. (Cl. 90—15.)



1. In a machine of the class described, the combination of a work support, a plurality of spindles adjacent thereto, power means for rotating the spindles, a motor providing a relative feeding movement between the work support and spindles, means for stopping the rotation of one of the spindles, a switch for controlling the feed motor, and means whereby the switch is automatically opened to stop the feed upon movement of the second named means to stop the rotation of the said one spindle.

1,540,810. DEVICE FOR USE WITH LACES OF BOOTS AND SHOES. WILLIAM SIMON, North Sydney, New South Wales, Australia. Filed Oct. 4, 1924. Serial No. 741,606. 4 Claims. (Cl. 132—1.)

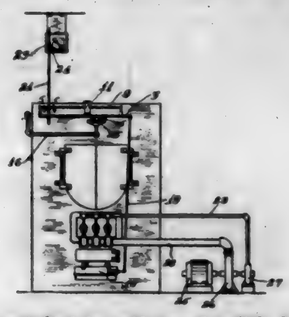


1. A device for use with boot and shoe laces comprising a member formed with a recess capable of engagement with a free part of the lace and with an extension on each side of the recess, the extension on one side of the recess being of greater length than that on the opposite side.

1,540,811. AUTOMATIC REGULATOR FOR FURNACES. CLYDE SLUSSER, Chicago, Ill. Filed Oct. 28, 1922. Serial No. 597,450. 2 Claims. (Cl. 236—0.)

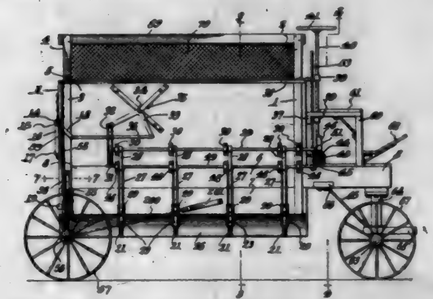
1. In a heating system, a furnace embodying a boiler, mechanism including a motor for feeding fuel thereto, a damper regulator for the furnace responsive to the pressure of the boiler, a switch in the motor circuit controlled by said regulator for stopping and starting said motor, a second switch in the motor circuit, a pair of solenoids for opening and closing said second switch, a

thermostat responsive to the delivered heat for alternately connecting said solenoids with a source of energy,



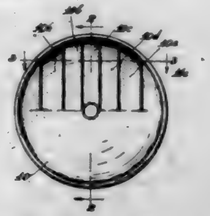
and means controlled by said second switch for alternately making and breaking the circuits to said solenoids.

1,540,812. STACKER WAGON. WALTER H. SMALLEY, Jetmore, Kans. Filed Nov. 28, 1924. Serial No. 752,670. 3 Claims. (Cl. 298—35.)



1. In a device of the class described, a wheel-mounted bin having a hinged bottom door provided with an outstanding projection, a first shaft supported for rotation on the bin, an arm on the first shaft, a link connecting the arm with the projection, a second shaft supported for rotation on the bin and having an eccentric against which the arm and the link knuckle to hold the door closed, means for rotating the first shaft to close the door, and means for rotating the second shaft to cause the eccentric to move the arm and the link to such a position that the door will open by gravity.

1,540,813. REFLECTOR. ANDRES SOLOSABAL, Boise, Idaho. Filed Apr. 23, 1923. Serial No. 633,821. 1 Claim. (Cl. 240—41.)



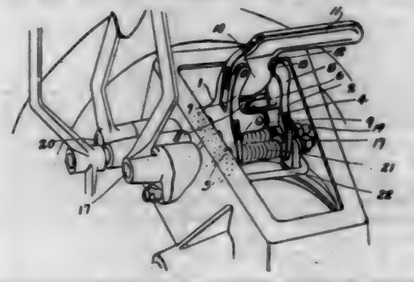
A reflector comprising upper and lower reflecting surfaces each extending over substantially half of the total reflecting surface, said lower half surface being an unmodified paraboloid of revolution and said upper half surface consisting of a plurality of vertically extending zones, each of said zones being of parabolic conformation in vertical section and of flat conformation laterally of the reflector, the front edge of said reflector being at an acute angle to the reflector axis inclining said axis downwardly when said front edge is in a vertical plane.

1,540,814. AUTOMATIC WELL AND PIPE-LINE DRIP. GEORGE STEINBERGER, Cherryvale, and PAUL E. STEINBERGER, Sycamore, Kans. Filed Mar. 17, 1924. Serial No. 699,941. 2 Claims. (Cl. 137—103.)



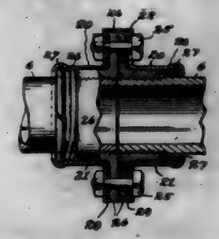
1. An automatic drip for gas wells and the like, including a tank, conduits leading to and from the tank, a valve located in one of said conduits, an extension on said valve, a float attached to said extension, and a coil spring attached to the opposite walls on the interior of the tank and extending beneath said float for supporting the same under certain conditions.

1,540,815. TRANSMISSION-BAND CLAMP. ROBERT B. STEUART, Kansas City, Mo., assignor to Irving E. Johnson, Kansas City, Mo. Filed June 3, 1924. Serial No. 717,473. 3 Claims. (Cl. 29—87.1.)



1. A transmission clamp comprising two pivoted jaw members having rod engaging notches at their lower ends and a cam pivoted to the upper end of one jaw member and contacting with the other jaw member to cause the jaws to rock one with respect to the other, and a notch engaging member on one of the jaw members to engage a notch in the cam when the jaws are moved to clamping position.

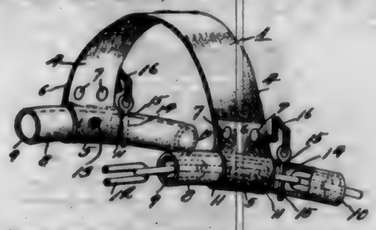
1,540,816. PIPE FITTING. JEREMIAH SULLIVAN, Dudley, Pa. Filed Jan. 28, 1924. Serial No. 689,065. 1 Claim. (Cl. 285—99.)



A repair pipe fitting adapted to be applied to flanged pipe couplings, said fitting comprising a pair of semi-

circular members each of which has a semicircular flange, said members having hub portions with tongue and groove joints at their meeting edges, and packing confined against the hub of the pipe coupling and also between the flange of the fitting member and the flange of said coupling.

1,540,817. TRACE SUPPORT. WILLIAM Z. SWIFT, Buckner, Va. Filed Nov. 1, 1921. Serial No. 512,024. 1 Claim. (Cl. 54—4.)



A trace supporter comprising a backband, loops carried at the ends of said backband, elongated tubular members secured in said loops, pins secured to the back band by means of pliable members, said pins extending through apertures in the tubular members and forming means for holding traces against movement in the tubular members.

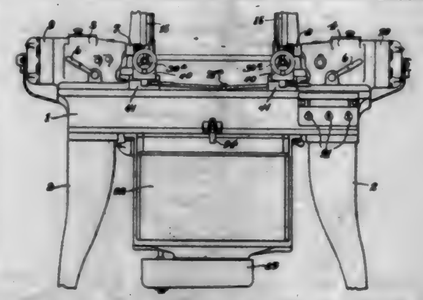
1,540,818. APPLE AND OTHER FRUIT PICKER. HENRY L. TAYLOR, Westfield, Wis. Filed Nov. 28, 1923. Serial No. 677,441. 1 Claim. (Cl. 56—340.)



A fruit picker including a circular ring having a cap integral with a portion thereof and disposed beyond the outer periphery of the ring, said cap having a socket the axis of which is disposed at a right angle to the plane of the ring, a blade fixed within the ring adjacent the cap, annular fasteners loosely receiving the ring, some of said fasteners passing transversely through the blade, a tube connected with the fasteners, and a pole having its end received in the socket of the cap and extending along the tube, and means attached to the tube and surrounding the pole.

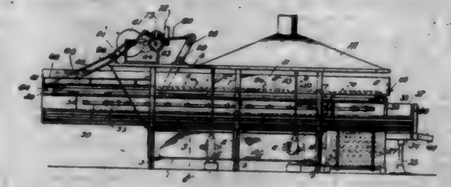
1,540,819. CENTERING MACHINE. JOHN J. THACHER, Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 5, 1921. Serial No. 467,056. 36 Claims. (Cl. 77—18.)

1. A machine tool comprising in combination, a base, a tool spindle, a laterally movable carrier on the base having a blank supporting surface and a relatively angular blank gripping surface, the carrier being adapted to support a blank on its supporting surface and carry the same from a loading position laterally of the spindle to a tooling position adjacent the spindle, a normally fixed jaw between which and the said blank gripping



surface the blank is adapted to be centered and held by the carrier for the tooling operation, the said blank supporting and gripping surfaces being adapted to perform their respective functions independently of each other, and means for feeding the spindle toward the blank and operating the carrier.

1,540,820. CONVEYING MECHANISM FOR CAN WASHERS. THEODORE L. VALERIUS and OLAF LARSEN, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1919. Serial No. 307,821. 13 Claims. (Cl. 198—221.)



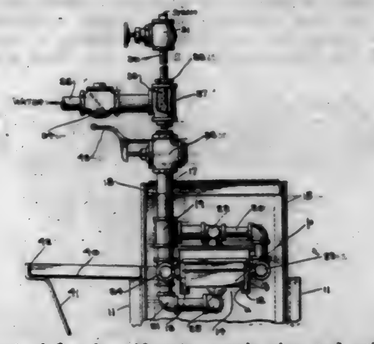
1. In apparatus for cleaning cans, conveying mechanism having, an combination, track means to support the mouths of the cans, a guide extending parallel with said track means against which the bodies of the cans lean, said guide being somewhat shorter than said track means, a shelf onto which the cans fall when advanced beyond the end of said guide, said shelf being shorter than a can, and a platform below the level of said shelf to receive the can as it fulcrums on the end of said shelf.

1,540,821. ICE-CREAM BRICK-MOLD RELEASER. THEODORE L. VALERIUS and OLAF LARSEN, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 10, 1921. Serial No. 491,309. 4 Claims. (Cl. 107—8.)

1. In apparatus of the class described, the combination of a housing having an entrance and an exit, guide members passing through said housing, jet pipes arranged within said housing around said guide members, and means for controlling the flow of heating medium to said pipes, said pipes forming a jetting field around ice cream molds slidably supported on said guide members for passage through said housing.

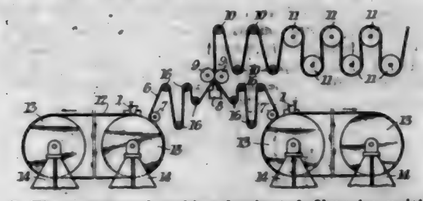
4. In apparatus of the class described, the combination of a plurality of jet pipes arranged to form a jetting field, a water supply pipe connected with said jet pipes, a steam supply pipe extending into said water supply pipe and adapted to discharge steam therein, a

quick acting valve for controlling the flow of heated water to the jet pipes, an automatic valve for preventing



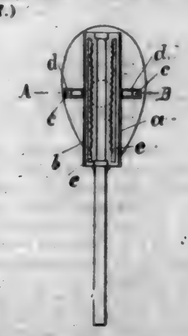
a reversal of flow in said water supply pipe, and guide rails adapted to support ice cream molds for passage through said jetting field.

1,540,822. PROCESS OF MAKING LAMINATED FILMS. HENRY E. VAN DERHOEF, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed June 27, 1924. Serial No. 722,836. 5 Claims. (Cl. 18—57.)



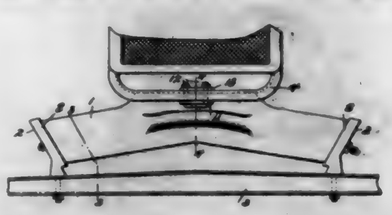
5. The process of making laminated films by uniting sheets of cellulosic-addition-compounds face to face, which comprises spreading solutions of cellulosic-addition-compound, containing a volatile solvent, upon sheet-forming surfaces, partially evaporating said solvent until the sheets thus formed are face-dried and self-sustaining but contain a surplus of said solvent, stripping said sheets from said surfaces, introducing adherence-inducing volatile solvent between faces of said sheets while in said condition, pressing said sheets together and drying out volatile solvent from the laminated film thus formed until said film is cured.

1,540,823. RACKET WITH BALL-CATCHING DEVICE. EDUARD FREIHERR V. MAIRHOFEN, Cassel, Germany. Filed Feb. 16, 1925. Serial No. 9,659. 4 Claims. (Cl. 273—67.)



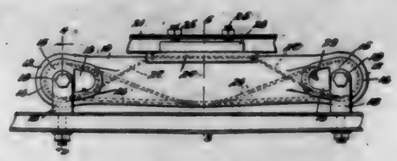
1. A racket with ball-catching device the front surface of the racket serving to throw the balls and the rear surface for catching the same, comprising in combination with the racket proper two longitudinal plates mounted on the rear surface of the racket at an angle of about 45° the one with regard to the other and movable in lateral direction designed to catch a ball between them.

1,540,824. PNEUMATIC SPRING SUSPENSION. JULIUS VON WALDY, New York, N. Y. Filed Mar. 29, 1924. Serial No. 702,076. 23 Claims. (Cl. 267—65.)



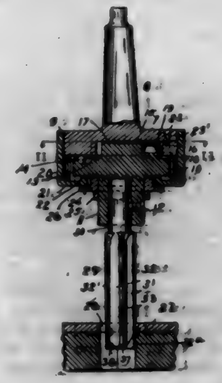
1. A spring for vehicles comprising a pneumatic elastic beam.

1,540,825. PNEUMATIC SPRING SUSPENSION. JULIUS VON WALDY, New York, N. Y. Filed May 1, 1924. Serial No. 710,445. 16 Claims. (Cl. 267—65.)



1. A vehicle spring comprising a pneumatic beam having rigid securing means adjacent the ends and securing means intermediate its ends for connection to the vehicle frame and to the running gear, means associated with the beam for resisting downward flexure and means for resisting undue upward flexure of the beam.

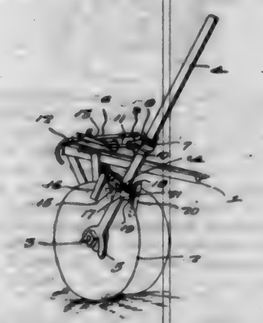
1,540,826. DEVICE FOR DRILLING OR BORING POLYGONAL-SHAPED OPENINGS. HARRY J. WATTS, Turtle Creek, Pa. Filed Jan. 14, 1921. Serial No. 437,153. 11 Claims. (Cl. 77—61.)



1. A device for the purpose set forth comprising a chuck-element provided with a revolvable shank carrying

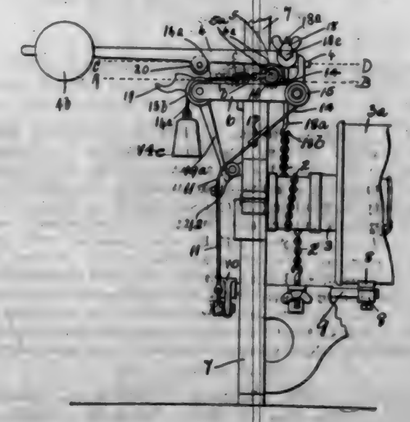
member and a floatable tool-element carrying member connected therewith, one of said members provided in one face with a plurality of radially disposed recesses and the other carrying on one face a plurality of eccentrically mounted pivoted members each moving lengthwise of and operating against the walls of arecess for imparting a floating action to the tool-carrying member during the revolving of the shank carrying member.

1,540,827. DISK SHARPENER. PAUL M. WILDGRUBE, Sycamore, Kans. Filed June 5, 1924. Serial No. 717,567. 2 Claims. (Cl. 97—221.)



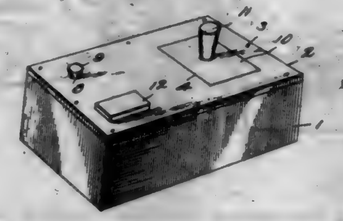
1. Means for sharpening a disk comprising an elongated lever, one end thereof being forked for engagement with the shaft of the disk, an arm supported on said lever, a sharpening member supported on said arm and adapted for engagement with the cutting edge of said disk, a sleeve slidable on the lever, a collar fixed to the sleeve and provided with an eye, a series of links attached to the eye a tone end, and a clamping hook attached at its intermediate portion to the series of links and adapted to engage the frame of the supporting structure of the disk and shaft.

1,540,828. LET-OFF MECHANISM FOR LOOMS. JAMES WILLIAM BOOTH and THOMAS CRAVEN COMLASS, Keighley, England. Filed Jan. 23, 1922. Serial No. 531,078. 6 Claims. (Cl. 139—101.)



1. In letoff mechanism for looms, a warp beam, a brake device engaging with said warp beam, a weighted lever acting upon said brake device, a movable fulcrum for said weighted lever, means for connecting said movable fulcrum to a detector contacting with the coils of warp on the warp beam, and means for keeping said detector against said warp beam.

1,540,829. LIQUID ADHESIVE HOLDER. JOHN PAUL BURNETT, Whitakers, N. C. Filed Sept. 2, 1924. Serial No. 735,444. 3 Claims. (Cl. 91—54.4.)



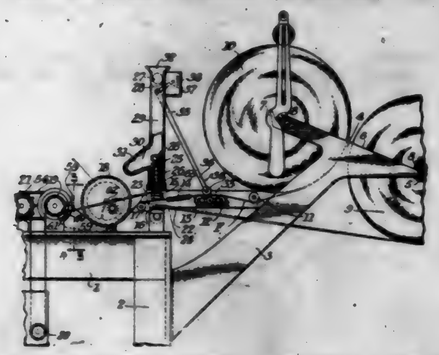
1. A device of the class described including a container, a cover on the container and provided with an opening, a box depending through the opening into the container, a sponge element disposed within the box, and a pad resting on the sponge element within the box and filling the opening.

1,540,830. ADVERTISING DEVICE. ALBERT K. DAVIS, Buffalo, N. Y. Filed Apr. 23, 1921. Serial No. 464,032. 8 Claims. (Cl. 40—36.)



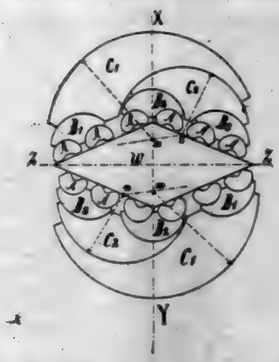
1. In a device of the character described, a pair of upper guideways inclined toward the front of the machine, a pair of lower guideways inclined toward the rear of the machine, a pivoted extension on the rear ends of the upper guideways a series of card frames adapted to be carried upon the lower and upper guideways, a carrier adapted to carry one of the card frames from the lower guideways to the upper guideways, the construction being such that upon the card frame striking the pivoted extensions the same are turned upward to allow the card frame to pass thereby and upon downward movement of the card frame the same is engaged by the said extensions and directed onto the upper guideways.

1,540,831. AUTOMATIC PHOTOGRAPHIC-FILM-SUPPLYING MACHINE. CHARLES DE MOOS, Fort Lee, N. J., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Feb. 8, 1923. Serial No. 617,834. 9 Claims. (Cl. 242—58.)



1. A film supplying mechanism comprising, a reel of supply film, means for drawing film from said reel, a reel of reserve film, and means controlled by the supply film for connecting the outer end of said reserve film with the final end of said supply film.

1,540,832. CHUCK JAW. PAUL FÖRSTER, Nuremberg, Germany, assignor to Aktiengesellschaft vorm. Adolf Finze & Co., Nuremberg, Germany. Filed Feb. 13, 1922. Serial No. 536,376. 1 Claim. (Cl. 279—123.)



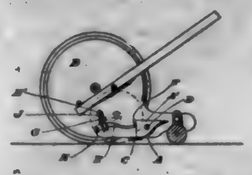
A chuck jaw comprising in combination different sets of oscillatingly mounted jaws, the first inner set consisting of jaws of equal diameter being adapted to engage and hold the work piece, the jaws of one of the two other inner sets of jaws being of different diameters and seated one within the other, the inner one being of a diameter less than the diameter but greater than the radius, of the outer one in which it is seated and guided.

1,540,833. CLOSURE FOR CONTAINERS. OTTO GOTTSCHALK, Dresden, Germany. Filed Mar. 13, 1924. Serial No. 698,972. 1 Claim. (Cl. 221—19.)



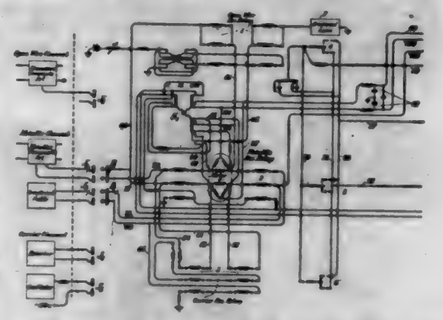
A contrivance for closing sprinkling bottles and similar hollow vessels comprising in combination a cap securely fixed on the bottle neck and having an eccentric orifice in its top plate, a cover rotatably mounted on said cap and having an eccentric orifice, an elastic flap stamped out of said cover and two oppositely situated strips connecting said flap with said cover.

1,540,834. LAWN MOWER. DAVID GEORGE GREGORIE, Pahiatua, New Zealand. Filed Feb. 14, 1920. Serial No. 358,607. 2 Claims. (Cl. 56—294.)



1. In lawn mowers having a rotating cutter, and a stationary cutter, a carrier frame for the stationary cutter, side cheeks on the respective sides of the frame, a knife blade secured along the forward edge of said carrier frame and arranged to extend across between the side cheeks, a flange on each end of the carrier frame directly engaging the inside of the corresponding side cheek, a pivot pin passing through the flange and into the said side cheek, and lever arms, each pivoted forwardly of the carrier and at one end to the side of one cheek of the machine and at its other end engaging with the forward edge of the said carrier frame on its respective side, and a spring acting upon said lever and normally turning it up upon its pivot, substantially as and for the purposes specified.

1,540,835. TELEGRAPH REPEATER. BAXTER P. HAMILTON, River Edge, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 7, 1924. Serial No. 711,684. 3 Claims. (Cl. 178—71.)

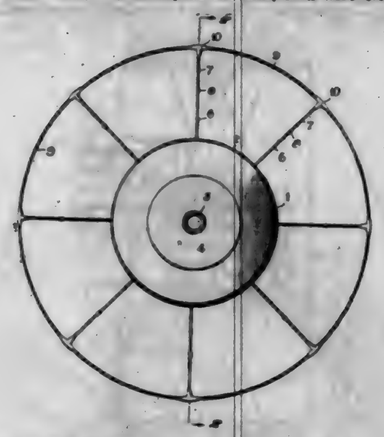


1. A telegraph station, a plurality of different types of telegraph channels terminating thereat, a telegraph repeater set adapted to be associated with said channels and comprising a plurality of switching arrangements, a plurality of receiving relays adapted to be connected in said repeater set by said switching arrangements, each of said relays being suitable for operation with and being operated by current impulses coming in over different ones of said telegraph channels, pole changers controlled by said relays, and a receiving leg whereby a connection may be extended from said set, said receiving leg being associated with said pole changers whereby impulses of different polarities may be applied to said receiving leg.

1,540,836. REEL. LEANDER J. HEDDERICH, Mulberry, Ind. Filed June 18, 1924. Serial No. 720,799. 2 Claims. (Cl. 242—77.)

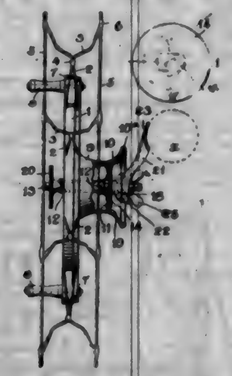
1. A reel comprising a central hub, and a series of spokes secured to and radiating therefrom, each spoke

comprising a pair of wire elements having their inner ends spaced apart, axially of the hub, said wire elements



being secured together at a distance from the hub so as to form a triangle, the outer ends of said wire elements being spread apart to provide a cord receiving channel.

1,540,837. FISHING REEL AND MOUNT. LEANDER J. HEDDERICH, Mulberry, Ind. Filed June 18, 1924. Serial No. 720,800. 10 Claims. (Cl. 242—84.5.)



1. The combination with a fishing reel, of a thumbing drum forming a part thereof, a spindle on which said reel and drum are mounted, for both rotation and slight axial movement, co-operating friction members fixed to said spindle and drum, respectively, the surface of said drum being flaring or bell-shaped at the end, so that pressure of the thumb on such surface tends to shift the drum axially, whereby the said friction members are forced together, and a double breaking effect produced.

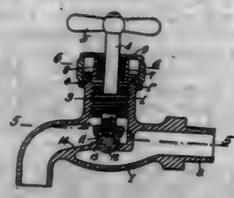
1,540,838. DUSTING BRUSH. JAMES R. HENSLEY, Elmer, Okla. Filed June 18, 1924. Serial No. 719,887. 1 Claim. (Cl. 15—188.)

A dusting brush for barbers' use, comprising a brush head having a central opening and a threaded periphery, a powder receptacle having a threaded mouth in which the brush head is screwed, a slotted sleeve in the top of the receptacle, a handle thereabove, means passing through the sleeve for holding the same in the receptacle and for holding the handle on the receptacle, a valve having its stem received in the sleeve, spring means between the sleeve and stem for normally seating the valve, a rod member passing through the receptacle adjacent to the handle having an offset inner end terminating in a yoke provided with inturned fingers that pass



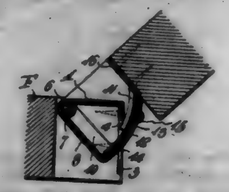
through the slots of the sleeve and enter the sides of the valve stem, and said rod having its outer end offset to form a finger piece.

1,540,839. FAUCET AND SIMILAR DEVICE. ROBERT HEYDRICH Y MARTINEZ, Habana, Cuba. Filed May 5, 1924. Serial No. 711,211. 2 Claims. (Cl. 251—46.)



2. A valve device, comprising, a body, an open neck extending from the body, a valve stem in the body and extending through the neck, a gasket receiving the stem and closing the outer end of the neck, a flat packing plate positioned over the gasket and receiving the stem, an upstanding rim on the plate forming a stuffing box receiving the stem, packing means in the stuffing box, and a screw thimble threaded to the outer surface of the neck and enclosing the above said gasket plate and stuffing box, a screw threaded aperture in the lower end of the stem, an internally threaded flanged ring, a screw loosely holding the ring to the end of the stem, and a resilient valve having external threads and screwed into the flange of the ring, whereby to adjustably connect the valve to the valve stem.

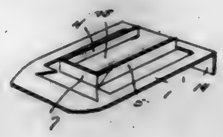
1,540,840. VEHICLE HINGE. RICHARD W. HUBBARD, Ashtabula, Ohio. Filed Nov. 12, 1923. Serial No. 674,270. 8 Claims. (Cl. 16—133.)



1. As an article of manufacture, the combination of a leaf having portions arranged at right angles to each other; one of which portions is provided with a bowed

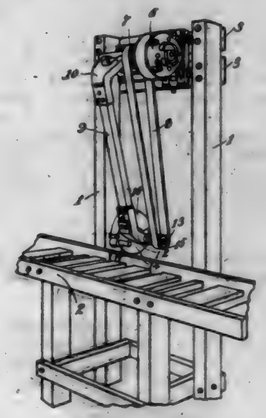
surface and with a substantially oblong aperture in the center thereof; and the other of the angular portions having pintle receiving apertures on the end thereof, an angular plate having one of its portions bowed, ears formed on the angular plate adjacent the arc portion thereof, pintle engaging members arranged on one end of the plate; the arced portion of the angular plate having bent side edges and also having apertures therein, a second leaf having an integral angular portion adapted to enter the bent edges of the bowed surface of the first angular portion and further adapted to be engaged in detachable manner with respect to the bowed portion of the first angular member.

1,540,841. CIGARETTE RECEPTACLE. HENRY W. JOHNSON, Bamberg, S. C. Filed Aug. 4, 1924. Serial No. 729,993. 3 Claims. (Cl. 131—51.)



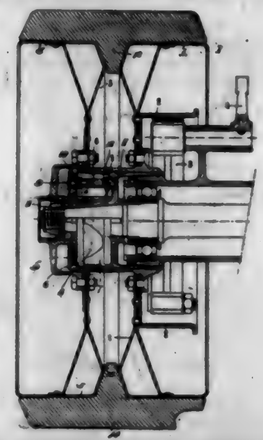
1. An article of manufacture comprising a single blank of material having longitudinally extending slots formed therein, the ends of said slots being disposed inwardly whereby a pair of longitudinally extending lips are formed, said blank having a substantially dove-tailed slot formed therein transversely thereof, a substantially dove-tailed lip formed by said slot, said lips normally lying in the same plane as the blank, said lips being adapted to be bent upwardly to provide a cigarette receptacle.

1,540,842. SWING SAW. HOWARD C. KASTNER, Cincinnati, Ohio, assignor to Elizabeth Townley, Cincinnati, Ohio. Filed Sept. 5, 1922. Serial No. 586,152. 2 Claims. (Cl. 148—46.)



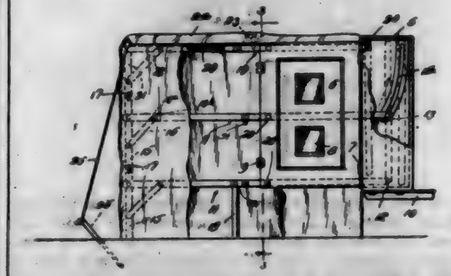
1. In a swing saw, the combination with a swing arm, means for supporting same at its upper end, a cutting element mounted in the lower end, said arm having a head near its upper end projecting away from the vertical plane of the support to throw the lower end carrying the saw away from the operator.

1,540,843. BRAKE MECHANISM FOR TRACK BELTS. ADOLPHE KEGRESSE, Paris, France. Filed Jan. 16, 1923. Serial No. 613,031. 4 Claims. (Cl. 188—2.)



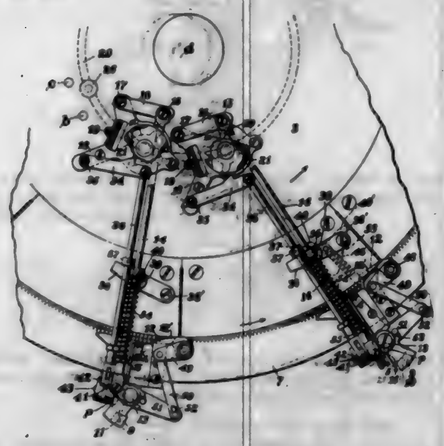
1. The combination, with a supporting wheel or pulley for an endless, flexible track belt, comprising a pair of spaced, companion sections adapted to grip between them a central, longitudinal projection on the inner surface of the belt; of a brake operative on one of said sections to retard its rotation; and a device operative automatically consequent upon the actuation of said brake to effect a relative approaching movement as between said sections and thereby increase the gripping action exerted on the interposed belt projection.

1,540,844. FOLDING TENT AND BED EQUIPMENT FOR VEHICLES. ROOT E. KIMBALL, St. Paul, Minn. Filed Oct. 15, 1923. Serial No. 668,788. 2 Claims. (Cl. 5—119.)



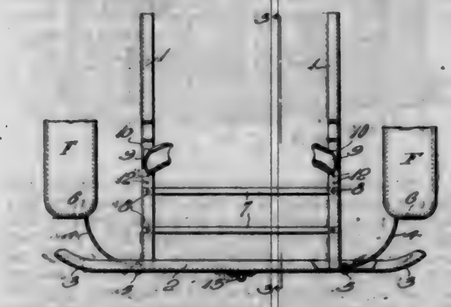
1. A folding bed for vehicles comprising a plurality of pairs of vertically spaced superposed bed supporting rails, said rails being disposed in transversely spaced parallelism and each rail being composed of a pair of links pivotally connected together at their adjacent ends, an open front receptacle to the side walls of which the inner ends of said rails are pivotally connected to permit folding of the structure into the receptacle, legs pivoted to the outer ends of the rails, the legs of the superposed pairs of rails having their ends arranged in abutting relation and detachably connected together, braces carried by the legs and having detachable connection with the rails for maintaining the legs in vertical position, a door pivotally connected to the open side of the aforesaid receptacle, said door being adapted to extend at right angles to the receptacle, and detachable connections between the free vertical edges of the door and the several superposed rails.

1,540,845. KNITTING MACHINE. CHARLES C. KNIBBLE, Norristown, Pa., assignor to Wildman Mfg. Co., Norristown, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1923. Serial No. 620,818. 18 Claims. (Cl. 66—22.)



1. In combination in a circular rib knitting machine, having a rotary needle cylinder and dial, a plurality of feeds disposed at separated points about the knitting head, a plurality of controlling means, one for each feed supported by the dial cap and in part extending therethrough, radial connections extending therefrom to the several feeds and means for operating said controlling means in prescribed order for changing the feeds, said means including contact means travelling with the needle dial, substantially as described.

1,540,846. COMBINATION ATTACHMENT FOR AUTOMOBILES. HERMAN E. KRUGER, Minneapolis, Minn., assignor of two-fifths to E. H. Latimer, Minneapolis, Minn. Filed Feb. 12, 1923. Serial No. 618,703. 2 Claims. (Cl. 293—55.)



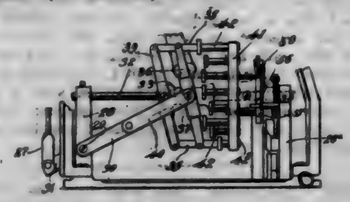
1. An attachment for automobiles comprising a bumper bar for disposition at the rear end of the automobile, a pair of longitudinal carrying bars for said bumper, a plurality of transverse bars in front of said bumper and secured at their ends to said longitudinal bars, all of said bars cooperating in forming a luggage carrier, the ends of said bumper bar extending beyond said longitudinal bars, and oblique fender braces in the angles between said longitudinal bars and said extended ends of the bumper bar, said fender braces and said extended ends of the bumper bar cooperating in forming extensions for the luggage carrier.

1,540,847. ACCUMULATOR. LAMBERTUS ALPHONS LAMMENS, Arnhem, Netherlands. Filed Dec. 26, 1923. Serial No. 682,818. 3 Claims. (Cl. 136—29.)



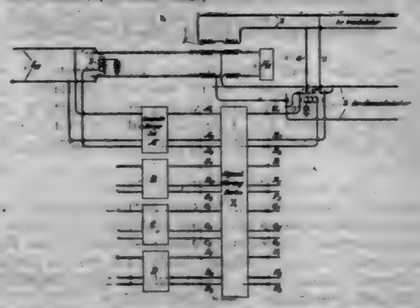
1. An accumulator, comprising, a lead container forming part of the negative pole, negative plates fixed to the bottom of the container, positive plates spaced from the bottom and sides of the container, insulating separators resting on the bottom of the container and placed between the positive and negative plates and projecting above the tops of the negative plates, the positive plates being supported by the separators.

1,540,848. TIME RECORDER. HUGH M. LAWTON, Bellevue, Ky., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Nov. 14, 1921. Serial No. 514,887. 12 Claims. (Cl. 234—43.)



2. In a time recorder, the combination with a laterally movable card tray, and an operating handle for effecting time registrations, means for locating the card tray, comprising a shifting member for the tray, means for moving the same by the operating handle, and a clock controlled abutment means adapted to effect a desired position of the shifting member upon being moved by the operating handle, said abutment means comprising a plurality of pairs of abutments against which the shifting member is pressed.

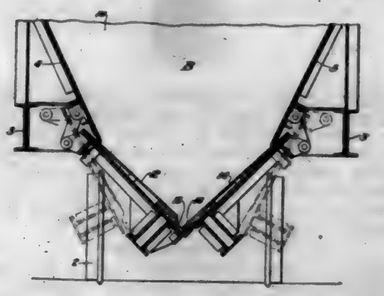
1,540,849. SIGNAL-STORING ARRANGEMENT. OWEN H. LOVELL, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 15, 1924. Serial No. 713,572. 6 Claims. (Cl. 179—15.)



1. A plurality of telephone lines over which voice frequencies are transmitted, means associated with each of said lines for superimposing said voice frequencies

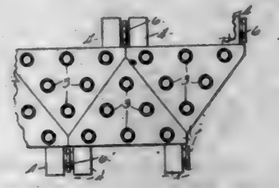
on separate carrier channels for transmission over a common circuit, signaling circuits associated with each of said lines and said last mentioned means, and a signal storing device common to all of said signaling circuits for causing the signals to be transmitted over said carrier channels at separate times.

1,540,850. HOPPER-CAR DOOR. CARL M. LUTH, Wilkinsburg, Pa. Filed Oct. 8, 1923. Serial No. 667,258. 3 Claims. (Cl. 105—250.)



1. A hopper car having the hoppers extending longitudinally thereof, and the bottom of said hoppers being closed by inclined hinged doors, one of said doors being provided with a longitudinally extending groove on its inner face adjacent its lower edge, said groove having beveled side walls and a flat bottom face, and the other of said doors being provided with a projecting lip along its lower edge, said lip being provided with a beveled lower edge and being adapted to project into said groove when said doors are in closed position to form a sealed joint.

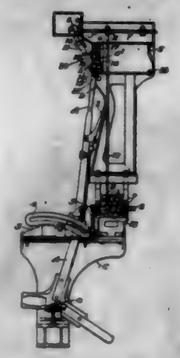
1,540,851. RADIATOR. DE WITT T. LYON, Chicago, Ill., assignor of one-half to Babet R. H. Lyon, Chicago, Ill. Filed Oct. 24, 1921. Serial No. 509,826. 3 Claims. (Cl. 257—154.)



1. A radiator comprising a plurality of sections, each of said sections having a lower and an upper header, the abutting sides of said headers being fashioned so as to prevent lateral movement of said headers with respect to each other when said headers are assembled, a plurality of pipes disposed between each upper and lower header, said pipes placing said headers in communication with each other, laterally extending compartments carried by said headers, and connecting pipes adapted to secure the adjacent compartments together, whereby the various sections are held together as a unit.

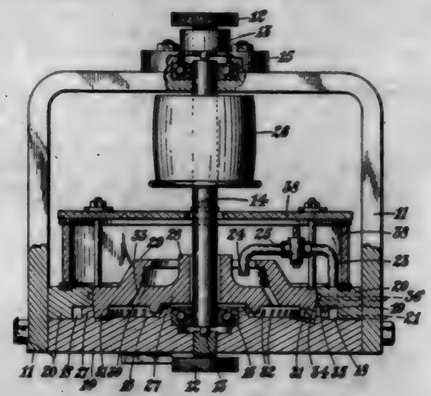
1,540,852. MACHINE FOR CONTROLLING RAILWAY-TRAFFIC-GOVERNING APPARATUS. WILLIAM C. MCWHIRTER, Wilkinsburg, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed July 7, 1923. Serial No. 650,032. 2 Claims. (Cl. 246—136.)

1. In an interlocking machine having electric levers, a super-structure comprising a horizontal frame open at the front and having a horizontal rib dividing the frame into two horizontal compartments located one directly above the other, bus bars in one said compartment associated with the electrical portions of the ma-



chine, cover plates for the other compartment having openings, and indicating lamps supported by said cover plates and located behind said openings.

1,540,853. MACHINE FOR THE TREATMENT OF VACCINE. ROBERT FRANCIS MACFIE, London, England, assignor to Nutriment Limited, London, England, a British Company. Filed June 4, 1923. Serial No. 643,480. 7 Claims. (Cl. 259—107.)



4. In a machine for the treatment of vaccine and bacteria in suspension in a liquid, the combination of a disc-like rotor formed with a peripheral flange, a disc-like stator facing said rotor and spaced away therefrom and provided with a flange fitting closely outside the said flange on the rotor, substantially radial saw-cuts in each of said flanges, means for supplying liquid to the space between the opposed faces of the rotor and the stator, a chamber in said stator whereto the liquid to be treated is delivered through said saw-cuts, and a pipe connection providing a circulation path for the liquid from the said chamber back to said rotor.

1,540,854. TRACTOR HITCH. HAROLD MACK, Finlayson, Minn. Filed Jan. 26, 1924. Serial No. 688,823. 4 Claims. (Cl. 280—33.16.)

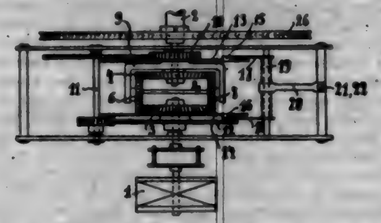
1. A tractor hitch of the class described including a body in the form of an L-shaped bar, the terminal of the longer portion thereof being provided with a pair of

spaced wedge shaped plates tapering inwardly, an arm pivoted to the longer portion of the body so that its terminal abuts the body between the plates, and a



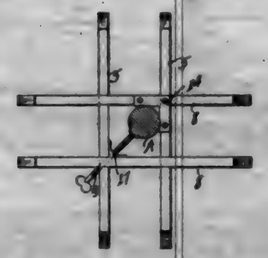
spring impinging between the shorter portion of the body and the arm for holding the end of said arm normally between said plates.

1,540,855. DEVICE FOR DRIVING THE HANDS OF MONUMENTAL CLOCKS. ARMAND MAYER, Levallois-Perret, France. Filed Dec. 16, 1922. Serial No. 607,403. 2 Claims. (Cl. 58—26.)



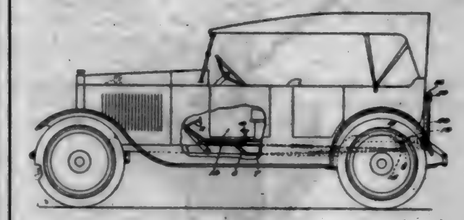
2. A driving mechanism for the hands of turret clocks comprising in combination with the hand mechanism, a motor for driving said mechanism, an auxiliary mechanism, a contact device for automatically adjusting the hand mechanism when the current fails, a differential gear connecting said auxiliary movement and said hand mechanism, two notched disks one for the hour hand and the other for the minute hand connected with the differential gear, rollers bearing against the rims of said notched disks, levers carrying said rollers and designed to act upon the contacts of said contact mechanism in such a manner that the circuit for said motor driving the hands is cut only when the hands of the turret clock and those of the auxiliary movement are in synchronism.

1,540,856. CHRISTMAS-TREE HOLDER. DAVID MUNRO, San Francisco, Calif. Filed Apr. 25, 1924. Serial No. 709,007. 1 Claim. (Cl. 248—38.)



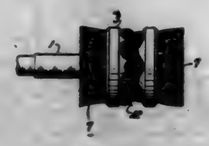
A holder for trees comprising interlocking supporting members, a screw bolt penetrating certain of the members at one of their points of juncture and adapted to engage a portion of the periphery of the tree, an L-shaped reenforcing member carried by the supporting members, and a serrated element carried by said L-shaped member for engaging the tree substantially opposite from the point of contact of the screw bolt.

1,540,857. SIGNALING DEVICE. EUGENE J. PARKER, Cambridge, Mass., assignor to Universal Safety Signal, Inc., Boston, Mass., a Corporation. Filed June 25, 1924. Serial No. 722,354. 5 Claims. (Cl. 116—36.)



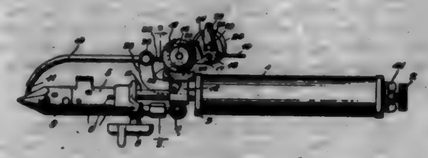
1. A signal device including in combination, a signal arm mounted for partial rotation normally occupying a horizontal position, means to cause 90° rotation of said arm, additional means to cause 180° rotation of said arm, said means being operable independently of each other.

1,540,858. BRUSH. JAMES L. PITCHER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Aug. 14, 1923. Serial No. 657,416. 7 Claims. (Cl. 15—28.)



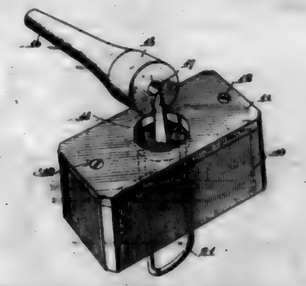
4. In a rotary brush, a cylindrical brush head arranged with a groove around the circumference of said brush head, and having longitudinal openings extending into said groove from each end of said brush head, and brush material in said openings joined together in said groove by binding means.

1,540,859. SOLDERING IRON. ANATOILE PLICQUE, Nashville, Tenn. Filed June 24, 1924. Serial No. 722,171. 3 Claims. (Cl. 113—109.)



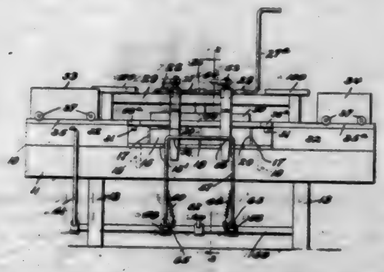
1. In combination with a soldering iron and a feeding means for a ribbon of solder, comprising a bracket rigidly connected with the iron, a spool rotatably mounted on the bracket and carrying a ribbon of solder, a guide for directing the ribbon of solder to the heated point of the iron, a pair of arms carried by the bracket, a shaft mounted in the journals, a toothed wheel rigid with said shaft and adapted to engage the ribbon of solder, a tensioning means located below the toothed wheel and maintaining the ribbon of solder in engagement with the toothed wheel, a lever pivotally mounted on the shaft, a ratchet wheel rigid with the shaft, a pawl on the lever and engaging the ratchet wheel for causing rotation of said ratchet wheel when the lever is oscillated.

1,540,860. HAND PUNCH. GEORGE W. FORAKE, Geneseo, Ill., assignor to Charles A. Pobanz, Geneseo, Ill. Filed June 18, 1924. Serial No. 720,795. 4 Claims. (Cl. 164—64.)



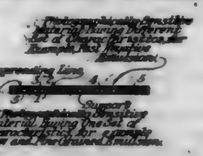
1. A metal hand punch including a die holder, an apertured die on the holder which also forms a rest for the work, a portable hand manipulated punch having an axial bore, and a stud upstanding from the holder axially through the die aperture and adapted to project substantially into the punch bore to act as a guide and centering member for the punch in operation.

1,540,861. CEMENT BRICK AND BLOCK MACHINE. JOHN POSPESHIL, Venus, Nebr. Filed Oct. 4, 1923. Serial No. 666,624. 16 Claims. (Cl. 25—41.)



1. A brick molding machine comprising in combination, a support having a portion provided with a flat horizontal surface, a mold at the end of said surface having the upper edges of its end walls in the same plane as said surface, a movable hopper for supplying said mold with material and parallel runways on said surface and along the upper edges of the side walls of said mold for supporting and guiding said hopper, said mold including a removable bottom pallet, side walls with horizontal lower edges pivoted at their outer sides to a part of said support for turning outwardly, and end walls removable in a vertical plane.

1,540,862. PHOTOGRAPHIC FILM AND PROCESS OF MAKING THE SAME. MILTON B. PUNNETT, Rochester, N. Y., assignor to Eastman Kodak Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 12, 1923. Serial No. 612,268. 11 Claims. (Cl. 95—9.)



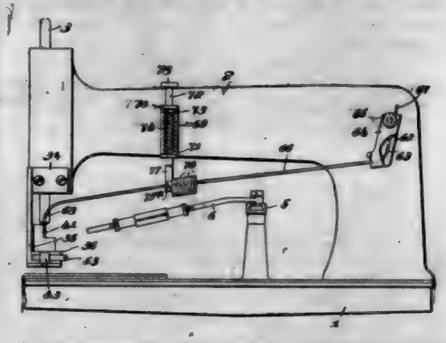
1. A photographic film comprising a support having thereon separate areas of photographically sensitive materials of different recording characteristics the edges of which are defined by anti-spreading lines.

1,540,863. SCALP SYRINGE. ROBERT HANSON RIDGEDON, Richmond, Va. Filed Mar. 22, 1924. Serial No. 701,180. 2 Claims. (Cl. 128—215.)



1. A scalp syringe including a rigid container having an upper open end, a cap removably engaged with the upper open end of the container, having a central opening and an inner washer seated against the container around its opening, provided with an enlarged central portion, the cap and the central portion of the washer having alined openings, an applicator having a body portion and a stem extending from one side of the body portion through the openings of the cap and the washer and provided with an axial bore opening at one end into the container, said washer embracing and holding the stem in position and said applicator body having a chamber in communication with the outer end of the stem bore, an annular series of elongated rigid teeth projecting from the opposite side of the applicator body adjacent to its edge, and a series of rigid applicator teeth projecting from the applicator within the first named series of teeth, said applicator teeth being of slightly less length than the first mentioned teeth and having small axial feed channels extending entirely therethrough and communicating at their inner ends with the chamber of the applicator body.

1,540,864. FASTENER ATTACHING MECHANISM. LEFFALLEH G. HARRAG, Boston, Mass., assignor of one-half to Maurice A. Metcalf, Boston, Mass. Filed May 28, 1920, Serial No. 384,875. Renewed Oct. 30, 1924. 34 Claims. (Cl. 112—113.)

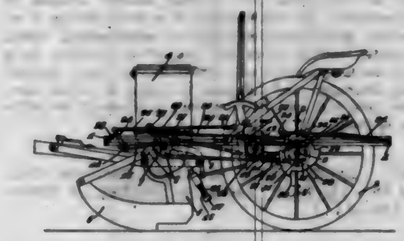


1. A reservoir for use in fastener attaching machines comprising in combination a resilient member constructed and arranged to pass through an opening in a fastener whereby to pendantly support the same, and means for holding said member in downwardly inclined position and with its lower end free.

15. In combination in a fastener attaching machine, a fastener reservoir constructed and arranged to deliver fasteners successively and in definite position of orientation, a receiver comprising a chamber for fasteners delivered from said reservoir said chamber being of a cross section similar to the peripheral contour of a fastener, and a transferring device associated with said receiver and arranged to convey successive fasteners therefrom to the point of use.

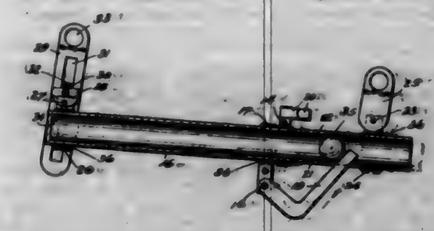
30. In a button attaching mechanism in combination, a button clamp comprising normally closed jaws, a button transferrer, and treadle actuated means comprising cam elements constructed and arranged successively to open said clamp and actuate the transferrer.

1,540,865. CHECKROW PLANTER. ALVA C. SALMONS, Cosby, Mo. Filed May 9, 1922. Serial No. 559,523. 1 Claim. (Cl. 275—9.)



In a planter, the combination with a rock shaft, an arm extending therefrom, a spring for holding the arm normally in one extreme position, and a tongue pivotally connected to the arm and having an intermediate recess, of a seed dropping mechanism including a shaft, a finger secured to and rotatable with said shaft and normally engaging the tongue, a rod pivotally connected to the finger and having an intermediate shoulder, a spring connected to the rod for holding it normally in one extreme position, a rotatable wheel supported axle, means revoluble therewith for intermittently engaging the shoulder to intermittently shift the rod and finger in one direction against the action of the spring to position the finger in the recess thereby coupling the tongue to the rod during the movement of the rod to normal position when released from the actuating means.

1,540,866. IGNITION-CIRCUIT BREAKER FOR MOTOR VEHICLES. VERNON A. SAMUELSON, Port Angeles, and YORKE YOUNG and CALVIN LICHTENBART, Sequim, Wash.; said Young assignor to said Samuelson and Lichtenbart. Filed May 23, 1923. Serial No. 471,872. 2 Claims. (Cl. 200—52.)



1. A circuit breaker comprising a tube, supporting members pivoted to the tube, the tube being closed at one end and having near the other end slots in the diametrically opposite sides thereof, a switch mounted on said tube and having its movable element normally extending through said slots, a ball within the tube between the closed end thereof and said switch element, said ball adapted to contact with and effect the opening movement of the movable switch element when the closed end of the tube is raised above the other end of the tube.

1,540,867. METHOD OF TREATING MOLTEN MAGNESIUM. GUSTAV SCHRIMPFF, Griesheim-on-the-Main, and ADOLF BECK, Schwanheim-on-the-Main, Germany, assignors to Chemische Fabrik Griesheim Elektron, Frankfort-on-the-Main, Germany. Filed Oct. 20, 1923. Serial No. 671,403. 4 Claims. (Cl. 75—14.)

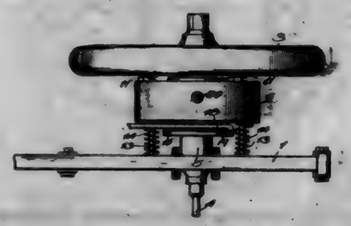
1. The method of protecting molten magnesium and its alloys against burning, comprising placing sulphur onto the surface of the molten metal.

1,540,868. PERCUSSION TOOL. WALTER H. SCULLY, Florence, N. J. Filed Apr. 4, 1922. Serial No. 549,506. 4 Claims. (Cl. 121—32.)



3. In a device of the character described, a tubular handle, a bushing inserted in said handle and having a portion of polygonal formation and constituting a socket, a percussion tool having a shank including a portion of polygonal formation operating in said socket, said handle having a counterbore at its outer end, a sleeve arranged on the shank of the tool and operating in said counterbore and having an annular flange at its inner end, a collar arranged on the outer end of said sleeve, a set screw for securing the collar and the sleeve to the shank of the tool, a coil spring arranged on the sleeve within the counterbore and abutting the annular flange at its inner end and an annular cap having threaded connection with the outer end of the handle and serving as an abutment for the outer end of said spring.

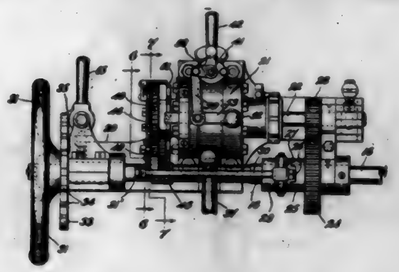
1,540,869. BRAKE MECHANISM. JOHN E. SHAFFER, Chicago, Ill., assignor, by direct and mesne assignments, of one-eighth to George V. Sterling, Chicago, Ill.; three-eighths to James J. Burns and three-eighths to James C. Shrives, both of Cumberland, Md. Filed Mar. 30, 1922. Serial No. 548,038. 5 Claims. (Cl. 188—72.)



1. In a device of the kind described and in combination, a drive shaft, a vehicle brake comprising a slidably non-rotative friction plate, a friction plate drivingly carried by said shaft adjacent said first plate and slidable

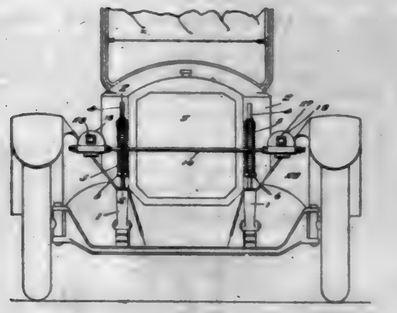
axially thereof, a member slidable to operably move said slidable plates and having a part projecting from the face opposite the sliding plate, a cam engageable with said last mentioned part, means for automatically returning said last mentioned member to its normal position after releasing said cam, and control means for operating said cam member.

1,540,870. POWER REVERSE MECHANISM FOR LOCOMOTIVES. HENRY K. ADAMS, Nashville, Tenn. Filed May 19, 1921. Serial No. 470,999. 10 Claims. (Cl. 121—162.)



9. In a power reverse mechanism for steam locomotives provided with a link valve gear, the combination of a rotary fluid pressure motor; a rotary shaft driven by said motor; connections comprising a worm and sector between said shaft and valve gear for shifting the latter; a clutch to govern said connections; a manually operated rotary valve for controlling the admission of fluid pressure to said motor; a lever linked to said valve and provided with an extension; automatic means comprising a gear train and a cam driven by said shaft adapted to coact with said lever extension to actuate said controlling valve to cut off said fluid pressure when said valve gear has been shifted a predetermined amount; means connected to said gear train for visibly indicating the position of said valve gear; and means for locking said shaft in any desired position, substantially as described.

1,540,871. HEADLIGHT MOUNTING. JOHN S. ADAMS, Pomona, Calif. Filed July 18, 1923. Serial No. 651,366. 7 Claims. (Cl. 240—90.)



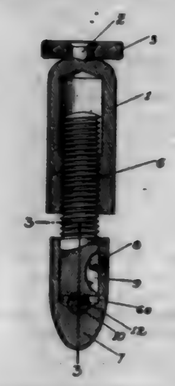
6. A headlight mounting for automobiles including a post fixed thereon, a vertically adjustable sleeve mounted on the post, a bar slidably mounted on the sleeve, headlight supporting means on the bar, and compensating springs on the sleeve above and below the bar and engaging the same.

1,540,872. APPARATUS FOR MAKING HOLLOW RUBBER ARTICLES. ALBERT H. BATES, Cleveland Heights, Ohio, assignor to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. a Corporation of Delaware. Filed Sept. 20, 1924. Serial No. 738,842. 7 Claims. (Cl. 18—35.)



5. In an apparatus for making hollow articles of plastic material, the combination of a mold having a set of cavities each provided with a surrounding raised edge, vents leading from the respective cavities to a common discharge, a valve carried by the mold controlling the discharge and adapted to stand in either open or closed position, and external means whereby the valve may be opened.

1,540,873. JACK. LOUIS T. BERGH, Fairoaks, Calif. Filed Oct. 17, 1924. Serial No. 744,160. 2 Claims. (Cl. 187—9.)

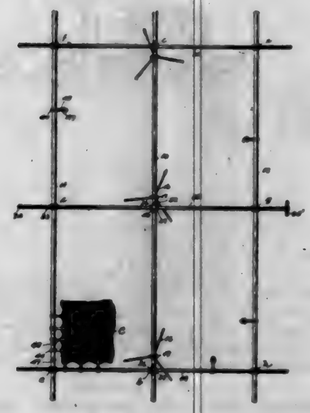


1. A jack comprising a body, a stem screwed therein, a block having a bore into one end of which the outer end of the stem slidably projects, the stem terminating short of the inner end of the bore, and a cam concealed within the bore and on which the stem rests, the cam projecting through and being journaled in the sides of the block whereby to enable the cam to be turned.

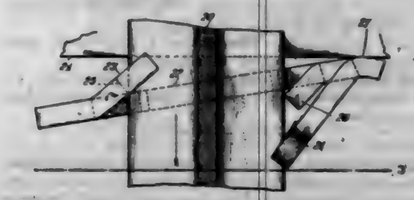
1,540,874. CURTAIN STRETCHER. ARTHUR J. BROSEY, Chicago, Ill. Original application filed Mar. 19, 1920, Serial No. 367,161. Patent No. 1,485,015. Divided and this application filed Jan. 5, 1924. Serial No. 684,520. 4 Claims. (Cl. 45—24.)

1. In a curtain stretcher, the combination of a central longitudinal rod, a central transverse rod, a fitting secured to said central longitudinal rod at the center thereof, said central transverse rod being journaled in said fitting at its center but locked against longitudinal movement, and outer longitudinal rods at each side of said center longitudinal rod, a fitting secured to each outer longitudinal rod at its center, said center transverse rod being threaded, said outer longitudinal rod fittings receiving said threaded center transverse rod, an outer transverse rod at each side of said center transverse rod, fittings adjustable longitudinally on the ends of the center longitudinal rod, said outer transverse rods being journaled at their centers in said fittings to be rotated but to be locked against longitudinal movement, said

outer transverse rods being threaded, and fittings adjustable on the outer ends of said outer longitudinal rods having threaded passageways for receiving the corresponding outer transverse rods, turning of said transverse rods causing movement of said outer longitudinal rods toward or away from said center longitudinal rod.



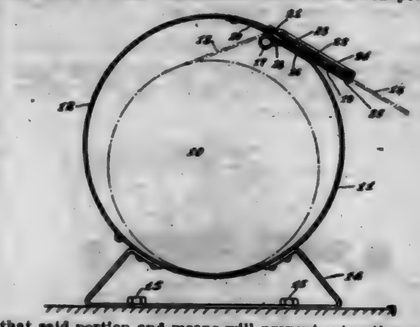
1,540,875. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed June 23, 1924. Serial No. 721,861. 11 Claims. (Cl. 238—330.)



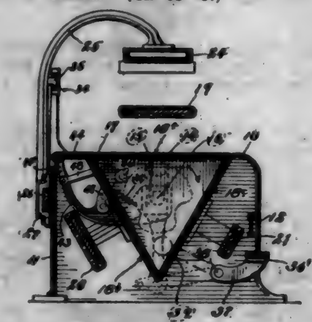
1. A rail anchor comprising a body adapted to extend across beneath a rail, a jaw on each end of the anchor adapted to engage the upper face of the base flange of the rail, shoulders on said anchor in spaced relation at a distance from each other substantially equal to the width of the flange of the rail adapted to engage the side faces of the flange and prevent swinging movement of the body with respect to the rail, one of said jaws being substantially rigid for applying pressure upon the upper face of the flange at one side, and the other jaw being comparatively much more resilient so as to be capable of being displaced readily for snapping into engagement with the upper face of the flange at the opposite side.

1,540,876. TENSION MECHANISM FOR TICKET RIBBONS. JOSEPH F. DWYER, Seattle, Wash. Filed Mar. 17, 1920. Serial No. 366,619. 2 Claims. (Cl. 211—81.)

1. A ticket merchandising device comprising in combination, a casing housing a roll of tickets and having a display wall along which a strip may be advanced and said wall having a raised friction portion elevating that part of the strip passing thereover, and means holding said strip in such engagement with said raised portion that said portion and means will prevent retractive movement of the strip by manual thrust on the free end of the strip.

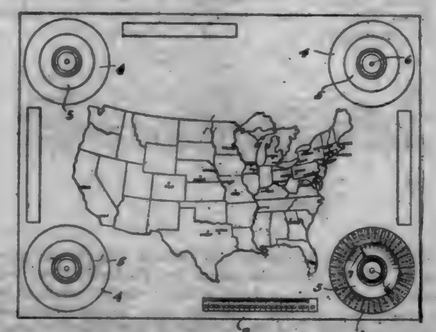


1,540,877. PRESSING MACHINE. ALFRED EILERT, St. Louis, Mo. Filed July 12, 1924. Serial No. 725,546. 10 Claims. (Cl. 68—9.)



1. A pressing machine comprising in combination a longitudinally movable iron, bearings mounted for vertical movement, and a polygonal member having its trunnions journaled in said bearings, there being a plurality of ironing boards supported on said member, the latter being rotatable to position any one of said boards in cooperative relation with said iron, said member being movable in a vertical plane for bringing one of said boards in pressure engagement with said iron.

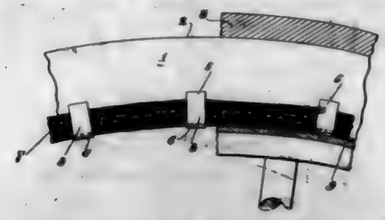
1,540,878. GAME APPARATUS. OSCAR F. ENGEL, Hartford, Conn. Filed Jan. 17, 1925. Serial No. 3,077. 3 Claims. (Cl. 273—134.)



3. A game apparatus comprising a figure representing a map of the United States and bearing on it markings denoting wireless stations, a plurality of discs bearing

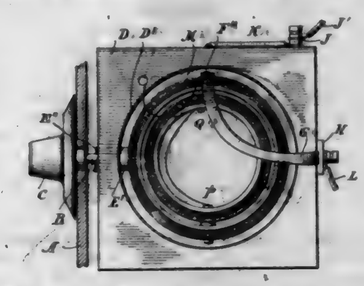
similarly marked designations, and a spinning disc having arranged about it similar marking designations, the figure having holes to receive a peg.

1,540,879. TUBE AND FLAP. EDWARD FETTER, Baltimore, Md. Filed Aug. 18, 1924. Serial No. 732,679. 5 Claims. (Cl. 152—20.)



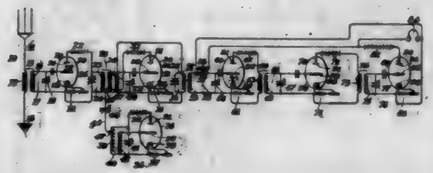
3. The combination with an inner tube for pneumatic tires of a protective flap secured to the tube and covering its inner peripheral face by a plurality of transverse straps spanning the flap and secured at each end to the walls of the tube.

1,540,880. VARIABLE-INDUCTANCE DEVICE. FREDERICK H. GUBER, Roselle, N. J. Filed May 8, 1923. Serial No. 636,289. 4 Claims. (Cl. 171—119.)



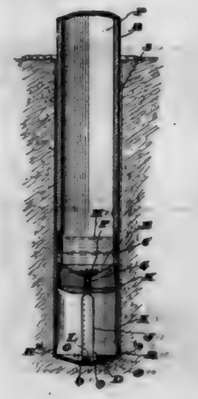
3. A variometer comprising a stator, a rotor coaxially mounted therein, a second rotor mounted to rotate at substantially right angles to the first rotor and flexible means cooperating with the stator and both of said rotors to actuate one of said rotors by the movement of the other.

1,540,881. RECEIVING SYSTEM FOR RADIANT ENERGY. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed July 9, 1918. Serial No. 244,050. 16 Claims. (Cl. 250—8.)



12. A receiving system for radiant energy, comprising an electrical circuit, means for producing electrical beats in said circuit, a detector and a circuit arranged to be controlled by the detector, said second-mentioned circuit including a source of energy and being arranged to react upon said first-mentioned circuit to accentuate the beats therein.

1,540,882. SOLID SHOT BIT. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 11, 1925. Serial No. 22,256. 2 Claims. (Cl. 255—61.)



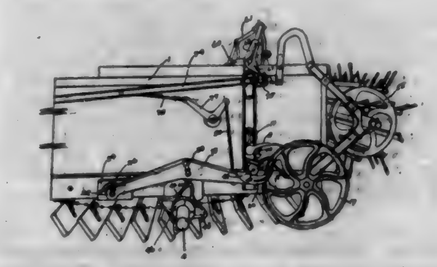
1. A drill comprising a solid bit, and a hollow cylindrical spindle connected to the bit having a convex grinding face at one end and at its other end a concaved depression for directing shot to the center of the bit, said bit also having an aperture through its center and a plurality of longitudinal grooves in its periphery, and slots arranged perpendicularly in the convex face whereby the central aperture communicates with the longitudinal grooves for the passage of shot and water to the convex grinding face and to the periphery of the bit.

1,540,883. VITAMINE PREPARATION. ISAAC F. HARRIS, Tuckahoe, N. Y. Filed Dec. 26, 1919. Serial No. 347,502. 2 Claims. (Cl. 167—7.)

1. A food compound comprising a "vitamine" body and equal parts of lactose and galactose.

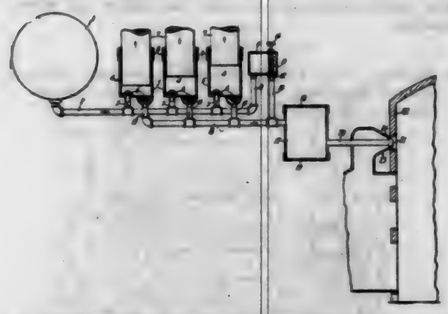
2. A food compound comprising a "vitamine" body derived from living yeast cells and equal parts of lactose and galactose.

1,540,884. FEEDING MECHANISM FOR SPREADERS. CLARENCE C. HERMANN, EDGAR C. LITCHFIELD, and HENRY L. LITCHFIELD, Waterloo, Iowa; said Hermann assignor to said Edgar C. Litchfield and Henry L. Litchfield. Filed Mar. 13, 1922. Serial No. 543,332. 16 Claims. (Cl. 74—54.)



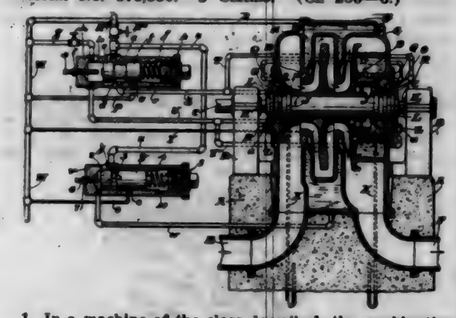
8. In combination, a ratchet wheel, a pivoted lever having at its free end a guide fork engaged with said wheel, and a pawl pivotally mounted on the lever and engaging said wheel.

1,540,885. PROCESS AND APPARATUS FOR OBTAINING RUBBER FROM LATEX. ERNEST HOPKINSON, New York, N. Y. Filed Oct. 17, 1923. Serial No. 669,007. 13 Claims. (Cl. 18—50.)



1. That method of obtaining rubber from latex which consists in, maintaining a supply of latex within a container under high pressure, ejecting it from the container in a finely divided condition into a drying chamber, and drying the particles while dispersed.

1,540,886. HYDRAULIC-PRESSURE-CONTROLLING DEVICE. LESLIE R. HUFF, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 6, 1923. Serial No. 678,830. 3 Claims. (Cl. 230—6.)



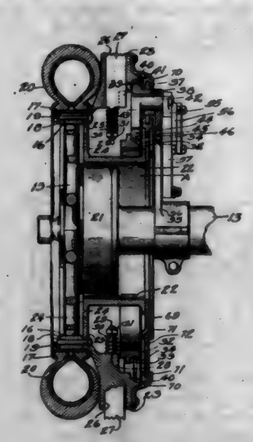
1. In a machine of the class described, the combination with a main casing, of an auxiliary chamber associated with said main casing adapted to be supplied with liquid under pressure, supply and discharge lines for the liquid in said auxiliary chamber, a valve casing in communication with said supply and discharge lines, a reciprocatory valve rotatable in said casing adapted to automatically shut off the passage of liquid through said supply line when the pressure in the discharge line reaches a predetermined point, and adjusting means for enabling said valve to operate under different pressure in said discharge line.

1,540,887. CRAB WRAPPER AND WRAPPING METHOD. BOOKER T. M. HUNLEY, Baltimore, Md. Filed Aug. 17, 1923. Serial No. 657,872. 3 Claims. (Cl. 119—2.)



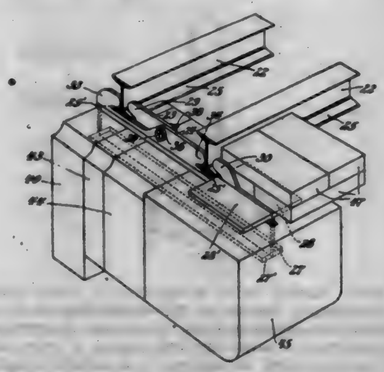
1. The method of wrapping crabs for shipping which consists in holding the claws and fins in folded position and wrapping a sheet of flexible material about the crab and fastening the same to confine the claws and fins, leaving the head portion, including the respiratory organs, exposed.

1,540,888. DISAPPEARING ANTISKID LUG. ROBERT N. KOENIGSBERGER, Sioux City, Iowa. Filed Mar. 13, 1924. Serial No. 698,907. 15 Claims. (Cl. 301—49.)



2. In combination with a vehicle having rear wheels, drums fixed to the wheels for rotation therewith, said drums being slightly less in diameter than the diameter of the wheels, traction lugs mounted in the drums for sliding movement radially thereof, a ring within each drum engaging said lugs, a stationary arch within each drum, having its periphery in sliding contact with the interior of the periphery of the drum, a sliding arch mounted in each stationary arch for downward movement relative thereto, said arches being in sliding contact with the peripheries of the rings, and means carried by the stationary arch for extending the sliding arch downwardly for extending the lugs downwardly as they are rotated to position at the lower portion of the drum, said last means being operable from the driver's seat.

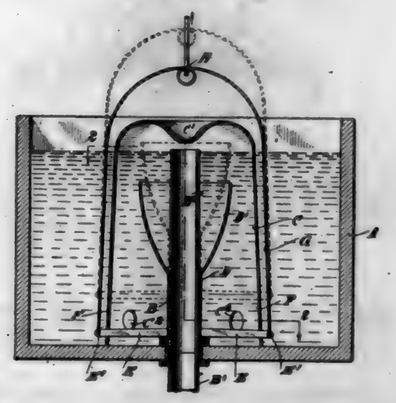
1,540,889. FURNACE ARCH. GEORGE A. KOHOUT, Chicago, Ill. Filed June 26, 1922. Serial No. 571,060. 17 Claims. (Cl. 110—95.)



1. In an arch construction, a pair of spaced supports, a pair of structural members extending between said supports, a hanger comprising a pair of members each

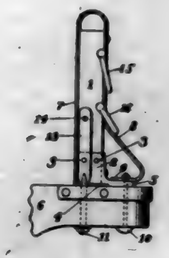
having means engaging each of said structural members, blocks of refractory material each engaging both members of said hanger and means for holding said pair of members from longitudinal movement, whereby said hanger is interlocked both with said structural members and said blocks.

1,540,890. FLUSH TANK. SAMUEL C. LAWSON, Croton-on-Hudson, N. Y. Filed Mar. 31, 1920. Serial No. 370,129. 2 Claims. (Cl. 4—50.)



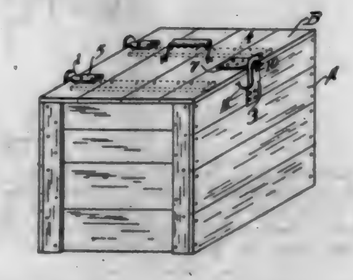
1. A flushing apparatus comprising a supply tank, a stand-pipe extending into said tank, a stationary air-chamber surrounding the upper portion of said stand-pipe and having water inlets adjacent to its lower end, and provided, on opposite sides, with slots, a sleeve surrounding the outlet pipe and tapering outwardly therefrom to form a cup and means extending through said slots for operating said sleeve and cup for lifting the water within the casing and causing a siphoning flow from the outlet pipe.

1,540,891. WAGON STAKE. FRANCIS M. LAY, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Mar. 19, 1920. Serial No. 367,153. 1 Claim. (Cl. 296—43.)



A stake adapted to be mounted on a wagon bolster and including a casting on the bolster having a base extending from opposite sides thereof and an outwardly extending foot, a socket in said casting, a wood stake body rigidly secured in said socket, a metallic band secured to the inner side of the stake body and bent over the top thereof and secured on the outward side of the stake body for part of the length thereof and extending downwardly and outwardly therefrom, having its end portion bent inwardly to rest on said foot, a bolt securing said portion and foot to the bolster, and bolts having strap portions projecting upwardly and riveted to the front and rear sides of the stake body and the casting, said bolts passing through the bolster and secured thereto.

1,540,892. EGG CRATE. JOHN L. LYNCH, Starbuck, Minn. Filed May 12, 1924. Serial No. 712,624. 2 Claims. (Cl. 217—56.)



1. In an egg crate, a cover fastening, comprising perforated lugs connected to the body of an egg crate, a perforated spring connected to the opposite side of the body thereof, lugs to register with and engage the perforated lugs connected to the body of the crate and to removably lock a cover on an egg crate.

1,540,893. OUTLET BOX. JOHN JAMES MERRILL, Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 14, 1921. Serial No. 500,525. 4 Claims. (Cl. 247—21.)

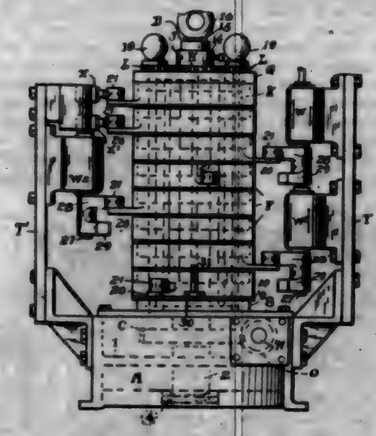


1. In combination, an outlet box and supporting means therefor consisting of a back clamping plate having an outwardly turned rim adjacent to the opening therein, a front clamping plate having an inwardly turned rim adjacent to the opening therein, the said rims being oppositely disposed to form a combined opening of uniform diameter, means for permanently uniting the said clamping plates, the said means being adapted to temporarily hold the back clamping plate in position behind the wall opening while placing the front clamping plate in position in front of the said wall opening, and means for attaching the outlet box to one of the clamping plates.

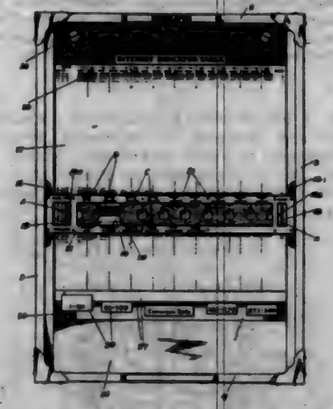
1,540,894. TIMING DEVICE. WILLIAM J. MILLER, Swissvale Borough, Pa. Filed Aug. 15, 1922. Serial No. 581,928. 17 Claims. (Cl. 49—14.)

1. A timing device for associated mechanisms comprising a rotary axial member, a plurality of supports fixed on said member, a plurality of actuating members,

each of said actuating members being rotatably mounted on one of said supports with said rotary member as an axis whereby by turning an actuating member its position relative to its support may be adjusted, and means for individually locking the actuating members in their adjusted positions.

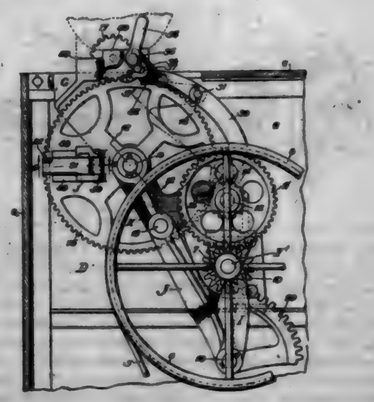


1,540,895. CALCULATOR. HARRY S. MOIR, Chico, Calif., assignor, by direct and mesne assignments, to The Moir Calculator Corporation, San Francisco, Calif., a Corporation of California. Filed May 16, 1923. Serial No. 639,235. 2 Claims. (Cl. 235—1.)



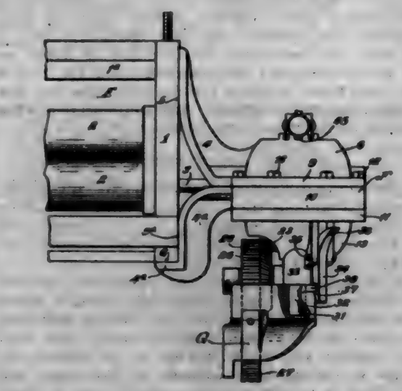
1. In a calculating device, a container for a computation sheet having a compartment to receive and maintain the sheet in a horizontally immovable but vertically removable position, a finding element disposed in a fixed horizontal plane and slidable over the sheet, and guide means for the element mounted on the container, such guide means being disposed beyond the edges of the sheet and having a length relative to that of the sheet to enable the element to be moved clear of said sheet, whereby the sheet may be moved in a vertical direction without interference with the guide means or finding element.

1,540,896. GEARING FOR WASHING MACHINES. GLENN MOIR, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Jamestown, N. Y., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 443,215. 12 Claims. (Cl. 74—50.)



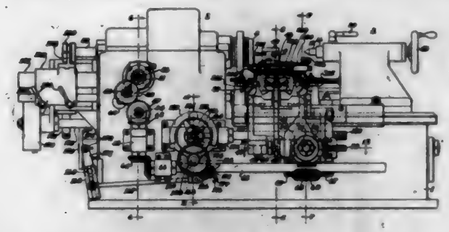
1. A gearing unit comprising rotatable shaft, a driving member rotatably and loosely mounted on said shaft, a driven member adapted for continuous rotative movement in the same direction, a second driven member fixed to said shaft and adapted for rotative movement alternately in opposite directions, gearing means for operating said driven members, and connecting and disconnecting mechanism acting upon said gearing operating means whereby the movement of the rotatable driving unit is transmitted to continuous rotative movement of one of the driven members and is translated to alternate rotative movement of the other driven member, as desired.

1,540,897. SWINGING-WRINGER MECHANISM. GLENN MOIR, Jamestown, N. Y., assignor to Blackstone Manufacturing Company, Jamestown, N. Y., a Corporation of New York. Filed Feb. 7, 1921. Serial No. 443,216. 2 Claims. (Cl. 68—32.)



1. The combination with a wringer mechanism, of a fixed support, a two-part housing, the upper part being movable in a horizontal plane about the lower part, means for removably securing the lower part to said fixed support, said means including depending pins on said lower part, and a hand operated latch member on the lower part adapted to secure the latter to the support.

1,540,898. RELIEVING MACHINE. FRIEDRICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 14, 1921. Serial No. 522,304. 77 Claims. (Cl. 82—14.)



1. In a machine for operating on a cutter blank having helical teeth provided with non-radially arranged cutting faces, the combination comprising means for rotating the blank, a cutting tool adapted to engage the blank, means for effecting feeding movements between the tool and the blank for shaping the latter to cut a predetermined contour, means for effecting relieving movements of the tool along lines extending backwardly and inwardly from the front cutting edge of each tooth in conformity with the helical teeth on the blank while compensating at different blank diameters for the non-radial cutting faces of the teeth, and auxiliary means for changing the direction of the relief lines to side relieve the teeth of the blank.

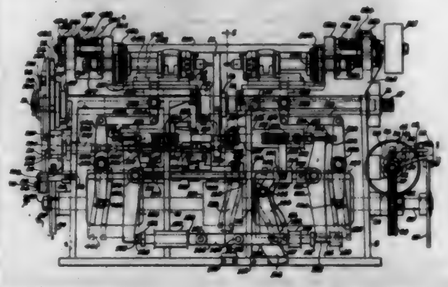
25. In a machine for operating on a cutter blank having helical teeth provided with non-radially arranged cutting faces, the combination comprising means for rotating the blank, a cutting tool for engaging the blank, a former member having a predetermined contour, means for so guiding the cutting tool by said former member as to shape the blank to cut the predetermined contour, and adjustable guide member, and means for varying the position of the said guide member to change the length of the contour formed on the blank relative to the length of the contour on the former member.

50. In a machine tool, the combination comprising a blank-carrying spindle, a cutting tool movable transversely of the spindle toward or from the blank, means for moving the tool toward the blank, means for retarding the said movement of the tool including a cylinder and a piston therein, a fluid reservoir associated with the cylinder, the said cylinder having a single valve for permitting the free flow of liquid between the cylinder and the reservoir when the tool is moved away from the blank and for restricting the flow of liquid between the cylinder and the reservoir when the tool is moved toward the blank.

1,540,899. COMBINED METAL-CUTTING MACHINE. FRIEDRICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Dec. 31, 1921. Serial No. 526,121. 93 Claims. (Cl. 20—38.)

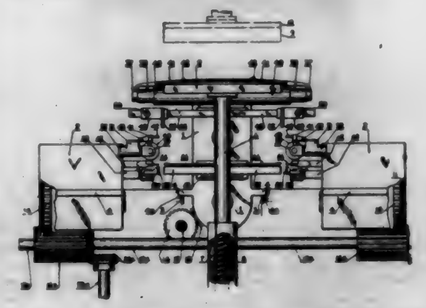
1. In an automatic machine, the combination comprising a member adapted to carry a blank having a tapped hole in the center thereof, means for indexing said member to bring the blank into operative relation to a number of stations, and means located at the various stations for so cutting away portions of the tapped hole in the blank as to form cutting edges and for so chamfering the blank as to relieve the cutting edges adjacent to one side of the blank.

25. In a machine, the combination with a turret adapted to carry a plurality of blanks, each of said blanks having a tapped hole in the center thereof, and means for indexing said turret to bring each blank successively into operative relation to a number of stations, of means for stamping said blanks at one station, means for cutting grooves in the blanks at another station, means at another station for simultaneously drilling holes in each blank adjacent to the tapped hole and from opposite sides thereof while cutting a slot in the side of the blank, means for simultaneously drilling two additional holes in each blank from opposite sides thereof at another station, means for counterboring two of said drilled holes from opposite sides of the blank at another station to extend the drilled holes into the tapped hole in the center of the blank, means for counterboring the remaining two drilled holes in a similar manner to the counterboring at the last station, and means for chamfering the metal between each two drilled holes to relieve each cutting edge adjacent one side of the blank.



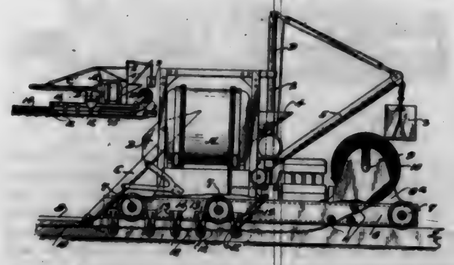
50. In a machine, the combination with a turret adapted to carry a plurality of blanks, each of said blanks having a tapped hole in the center thereof, and means for indexing said turret to bring the blanks successively into operative relation to a counterboring station and to a drilling station, of means located at the drilling station for simultaneously drilling a number of holes through each blank when in operative position and from opposite sides of the turret, said means operating the drilling means in timed relation to the operation of said indexing means, and means located at said counterboring station and operated in timed relation to the indexing means for simultaneously counterboring said drilled holes to extend into the tapped hole.

1,540,900. BOX-COVERING MACHINE. CHARLES H. NITSCH and THEODORE A. FEDERWITZ, Philadelphia, Pa., assignors to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed May 10, 1923. Serial No. 638,116. 53 Claims. (Cl. 93—54.)



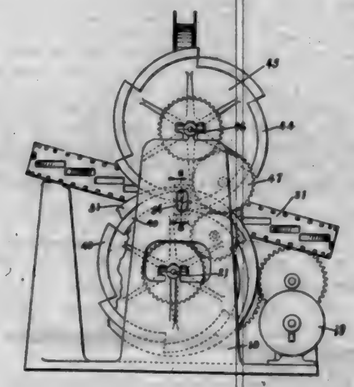
1. In a box-covering machine, the combination with a support, of a unit adjustable to different positions thereon for operation upon boxes of different dimensions, said unit comprising cam structure, a tool controlled thereby, and means for rotating said cam structure always in one direction.

1,540,901. APPARATUS FOR LAYING REENFORCED CONCRETE. JOHN F. ROAD, Cleveland Heights, Ohio, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Mar. 26, 1921. Serial No. 455,887. 3 Claims. (Cl. 94—46.)



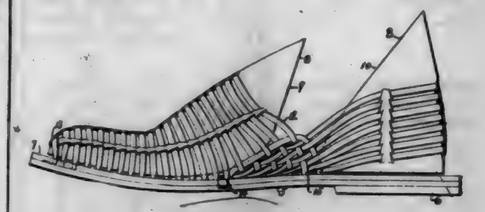
1. In a machine for constructing concrete roads, in combination, a portable support adapted to travel over a road subgrade, a concrete distributing unit mounted upon said support, and adapted to feed concrete aggregates to the subgrade, concrete reenforcing supply means on said portable support, and means carried by said support for supporting said reenforcing in spaced relation from the concrete distributor and in spaced relation to the base of the subgrade, so that materials fed from the concrete distributor pass through the reenforcing to a predetermined depth below the same, and cover said reenforcing to a predetermined depth above the same.

1,540,902. MOVING-PICTURE MACHINE. ELWOOD C. ROGERS, Indianapolis, Ind. Filed May 14, 1920. Serial No. 381,333. 24 Claims. (Cl. 88—16.8.)



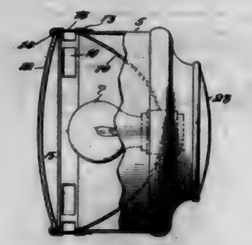
1. In a moving picture machine, the combination of means for moving a film in one direction, and a shutter moving obliquely to the direction of film movement and provided with openings which cross the film with a component of movement in the line of film movement corresponding to the speed of film movement, the sides of said opening being adapted to frame the film on two opposite sides.

1,540,903. SHOE. FRANK SANTOYO, St. Louis, Mo. Filed July 28, 1924. Serial No. 728,550. 2 Claims. (Cl. 36—3.)



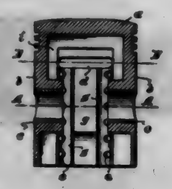
1. A shoe comprising a heel portion of the upper, which heel portion is secured to the insole in advance of the heel portion thereof.

1,540,904. COMBINED SPOT AND PARKING LIGHT. HERMAN SCHLAICH, Long Island City, N. Y. Filed Nov. 8, 1921. Serial No. 513,703. 1 Claim. (Cl. 240—7.)



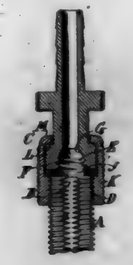
In combination with a motor vehicle, a combined spot and parking light mounted for universal movement on the left side of said vehicle and comprising a casing, a lamp and reflector therein, a translucent portion in said casing through which the spot beam of light is projected, and translucent portions in said casing so located that light will shine through said translucent portions toward the front and rear of the vehicle when the spot beam is directed downwardly.

1,540,905. LIGHT-METAL PISTON, ESPECIALLY FOR USE IN CONNECTION WITH INTERNAL-COMBUSTION ENGINES. PAUL SCHÜTTLER and STEPHAN LÖFFLER, Charlottenburg, near Berlin, Germany. Filed Jan. 26, 1925. Serial No. 4,713. 4 Claims. (Cl. 74—108.)



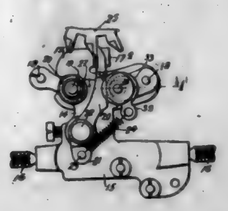
1. A light-metal piston, especially for use in connection with internal combustion-engines and having firstly, rows of holes extending parallelly to the axis of the piston and separating the wall-portions connected with the piston-pin from the other wall-portions, and secondly, transverse slots separating the latter wall-portions from the closed end of the piston, substantially as set forth.

1,540,906. PUMP COUPLING. MAXIMILIAN CHARLES SCHWEINERT, New York, N. Y. Filed Sept. 13, 1915, Serial No. 50,294. Renewed Nov. 13, 1924. 3 Claims. (Cl. 285—122.)



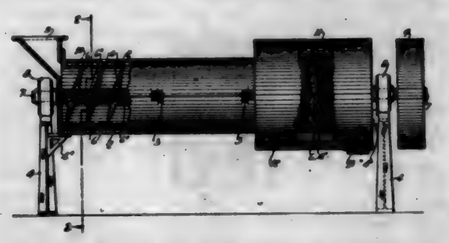
1. A pump coupling having a body portion formed with a threaded bore and a member below said body portion swivelled thereto and formed with a second threaded bore of larger diameter than the first, and a packing washer carried at the end of said body portion and partly overlapped by said member.

1,540,907. TYPEWRITING MACHINE. GEORGE A. SEIB, Ilion, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed May 25, 1923. Serial No. 641,313. 12 Claims. (Cl. 197—88.)



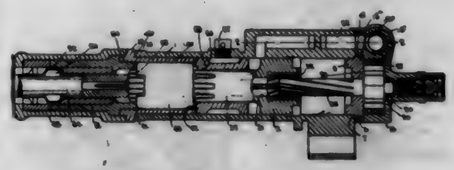
1. In escapement mechanism for typewriting machines, the combination of a dog carrier, a dog movably supported thereon, a stop for said dog contactive with the dog in all of its positions, and a support fixed relatively to said stop, said stop being loosely mounted on said support.

1,540,908. GRINDER AND BEATER. HARRY J. SHELTON, St. Louis, Mo. Filed Dec. 15, 1922. Serial No. 607,117. 10 Claims. (Cl. 83—11.)



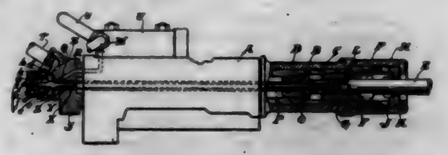
1. A grinder and beater comprising a housing having a tubular grinding chamber with a plurality of revoluble hammers spirally mounted therein, said chamber having an inlet for material to be reduced and an outlet, the pitch of some of said hammers being greater than that of other of said hammers.

1,540,909. PNEUMATIC TOOL. WILLIAM A. SMITH, Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y., a Corporation of New Jersey. Filed Sept. 5, 1922. Serial No. 586,291. 12 Claims. (Cl. 121—7.)



5. In a percussive tool the combination with a cylinder, and a ported valve chest, of a cylinder head having a flange engaging said cylinder, a valve bushing in one end of said valve chest having ports therein registering with the ports in said valve chest, a flanged head on said bushing for engaging said valve chest, the flange on said bushing being cut away to receive and inter-lock with the flange on said cylinder head, and a back head recessed to receive said cylinder head and said valve bushing, and means for clamping said back head to said cylinder.

1,540,910. ROCK DRILL. WILLIAM A. SMITH, Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Sept. 13, 1924. Serial No. 737,509. 2 Claims. (Cl. 121—10.)



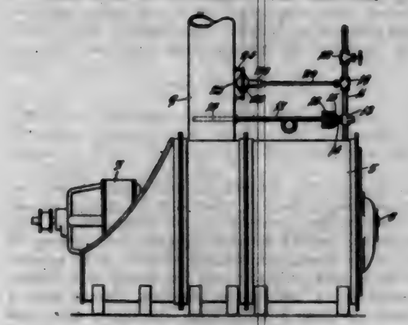
2. In a rock drill, a hammer cylinder, a front head on said cylinder adapted to receive a hollow drill steel, a back head for the cylinder, a water tube extending from said back head through the cylinder into the front head to supply cleansing water to the drill steel, an air tube about the water tube also extending from the back head substantially to the drill steel, said air tube being flared at its back end and said water tube being provided with a bulb fitting into the flared end of the air tube, and a hollow plug screwing into the back head for holding the bulb in sealing relation to the flared end of the air tube, said back head being provided with air and water passages leading to the air and water tubes respectively.

1,540,911. TOOTHBRUSH. SAMUEL SONNESHEIN, New York, N. Y. Filed Dec. 29, 1924. Serial No. 758,522. 1 Claim. (Cl. 132—84.)



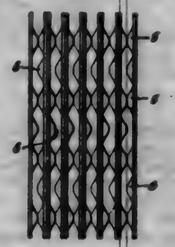
In combination, a brush having a threaded extension, a handle for said brush having a recess in the rear end thereof, the front portion of said handle being internally threaded and being separated from said recess by an intermediate portion of said handle, the rear of said handle having a separable tip detachably connected thereto, and detachable therefrom by a longitudinal movement, said tip having a flat toilet appliance connected thereto and adapted to fit into said recess.

1,540,912. TEMPERATURE REGULATOR FOR BLOWERS. IRA H. SPENCER, West Hartford, Conn., assignor to The Spencer Turbine Company, West Hartford, Conn., a Corporation of Connecticut. Filed May 21, 1919. Serial No. 298,674. 8 Claims. (Cl. 236—18.)



1. A device for effecting flow of air, including means for supplying a temperature changing medium to a volume of air acted upon by said device, a plurality of independently operable valves for regulating a single delivery of said temperature changing medium, and means acting independently each of the other and actuated by reason of different conditions existing in said volume of air to operate said valves.

1,540,913. RADIATOR. SWEN R. SWENSON, New Haven, Conn., assignor, by mesne assignments, to The Motor Radiator & Manufacturing Corporation, Newark, N. J., a Corporation of Delaware. Filed July 14, 1920. Serial No. 396,254. 6 Claims. (Cl. 257—130.)



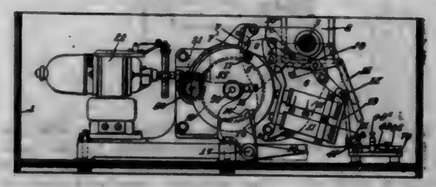
1. A radiator core comprising a plurality of plates arranged in pairs with the side edges of each pair of plates joined together, projections integral with and extending from the faces of each plate serving to space apart adjacent plates and other projections extending from each plate toward the adjacent plate of the contiguous pair of plates, said projections on each plate being offset from any projection on the said adjacent plate of the contiguous pair.

1,540,914. TRUCK. ALEXANDER WALLACE, Shawsheen Village, Mass. Filed Jan. 3, 1925. Serial No. 3,308. 6 Claims. (Cl. 296—28.)



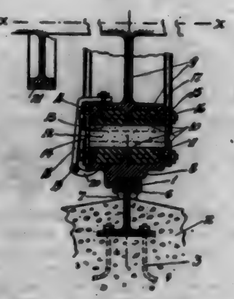
1. In combination with a chassis frame including its longitudinal side members supported on the rear axle, an extension member overlying each of said side members and extending from substantially in advance of the axle to beyond the ends of said side members, a depending strut attached at one end to the frame members adjacent the ends thereof, forward truss members connecting the lower strut ends and the side members, and rear truss member connecting said ends and the extension members adjacent their ends.

1,540,915. AUTOMATIC TRAIN-STOP MECHANISM. LEWIS R. WALLACE, Waltham, Mass. Filed June 2, 1920. Serial No. 385,922. 10 Claims. (Cl. 46—202.)



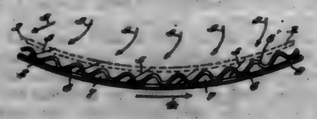
4. In automatic train stop mechanism, in combination with a block signal system, a track obstacle in each block, a gravity operating member therefor, a lock normally maintaining said track obstacle in safety position, and a supplementary lock permitting the track obstacle in the block behind to assume danger position in the event of removal of the gravity member from the track obstacle in the immediately preceding block.

1,540,916. RAILROAD CAR AND TRACK CONSTRUCTION. GAETAN AJELLO, New York, N. Y. Filed Sept. 11, 1923. Serial No. 662,125. 4 Claims. (Cl. 295—11.)



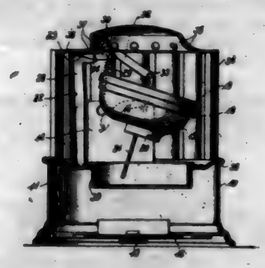
1. In a railroad car and track construction, a wheel consisting of an outer and an inner portion concentrically spaced in relation to each other, embodying in the concentric space between them flanges projecting from each portion toward the other portion, heat insulating means between each set of flanges and cushioning means between the insulating means.

1,540,917. CENTRIFUGAL SEPARATING MACHINE. WILLEM APPEL, Soerabaya, Dutch East Indies. Filed Mar. 14, 1923. Serial No. 15,619. 6 Claims. (Cl. 210—76.)



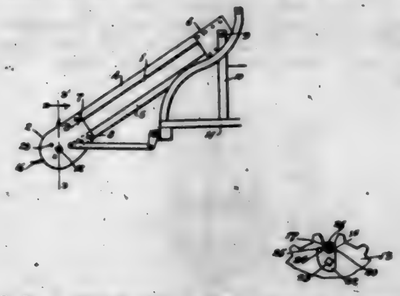
2. In a centrifugal separating machine, a member comprising a perforated corrugated plate with its corrugations extending parallel to the axis of the machine, all its perforations being in corresponding sloping sides of the corrugations.

1,540,918. SAVINGS BANK. LOUIS V. ARONSON, Newark, N. J. Filed Nov. 20, 1924. Serial No. 751,156. 4 Claims. (Cl. 232—4.)



2. A toy bank comprising, in combination, a base containing a coin chamber, a frame carried by the upper wall of said chamber, a voicing apparatus pivoted in said frame, a chute projecting upwardly from said chamber, a closure for the receiving end of said chute, and means carried by the closure to cause operation of the voicing device upon insertion of a coin.

1,540,919. SHEAF LOADER. WILLIAM ALBERT BALDWIN, Winnipeg, Manitoba, Canada. Filed Oct. 8, 1923. Serial No. 667,362. 4 Claims. (Cl. 56—364.)



2. In a sheaf loader, a pick up comprising opposing rotatably mounted and driven chain wheels, said chain wheels having suitably spaced notches formed in the periphery thereof, bearing sleeves mounted in the notches and detachably connected to the wheels and similar prong carrying shafts extending between the chain wheels and having the ends thereof rotatably mounted in the bearing sleeves.

1,540,920. SELF-FILLING PENCIL. HANNIBAL BERRYMAN, Centerville, Mont. Filed June 7, 1924. Serial No. 718,603. 3 Claims. (Cl. 120—18.)



1. A lead pencil comprising a body having a longitudinal opening, a plunger movable longitudinally in the body and having a spiral slot, a shell journaled on the body and having a plurality of internal longitudinal lead compartments adapted to be brought one at a time into registration with the opening to permit a lead to be discharged through the opening and into the body when the plunger is retracted, and a lead feeding means movable in the plunger and having a finger engaged in the slot, the opening, and in one compartment, the body having a recess for the reception of the finger when the lead feeding means and the plunger are retracted, thereby to permit a rotation of the shell.

1,540,921. FASTENING DEVICE FOR LEGGINGS. PAUL BIDAL, Paris, France. Filed July 21, 1924. Serial No. 727,326. 4 Claims. (Cl. 24—208.)

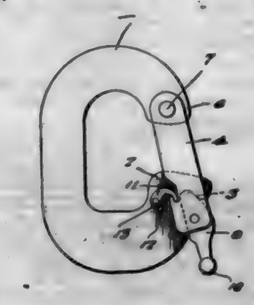


1. A fastener for connecting overlapping pieces of fabric comprising a member adapted to be secured to one piece of fabric and provided at one end with an outwardly-inclined spring tongue in which an opening is formed; and a companion member adapted to be secured to the other piece of fabric and consisting of a bridge-piece embodying a flat central platform formed with a boss which projects inward from its inner face, and T-shaped ends, a securing plate adapted to be positioned against the inner face of the second-named piece of fabric, and a counterplate adapted to be inserted between said platform and the outer face of said second-named piece of fabric and having slots to enable the stem portions of the ends of the platform to be passed therethrough and through the fabric and bent inward against the face of the counterplate; said tongue adapted to be inserted between the platform of the bridge piece and the counter plate to enable the boss on said platform to snap into engagement in the opening in said tongue.

1,540,922. AGGLOMERATED MATERIAL AND PROCESS FOR MAKING THE SAME. ALEXANDRE SACHA BLACHONOVITCH, Paris, France, assignor to Henry Goran Bralower and Morris Bralower, both of New York, N. Y. Filed Sept. 2, 1924. Serial No. 735,480. 5 Claims. (Cl. 106—39.)

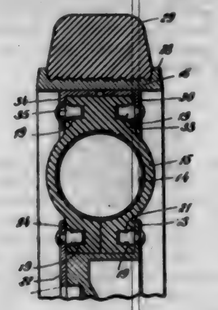
1. A process for agglomerating filler material, comprising, mixing the filler with plaster of Paris, then mixing with the result an aqueous solution of different kinds of gelatines such solution comprising water, bone gelatine, large sinew gelatine, small sinew gelatine, refined gelatine, bronze gelatine, and silver gelatine in approximately the proportions by weight of 1,000, 100, 80, 60, 40, 14, and 6 and then mixing with the result an aqueous solution of different kinds of gelatine hardeners, such solution comprising water, chrome alum, potash alum, bichromate of potash and formaldehyde in approximately the proportions by weight of 1, 76, 152, 57 and 114.

1,540,928. LINK. JEFF M. BLAIR, Humble, Tex. Filed June 18, 1924. Serial No. 719,870. 1 Claim. (Cl. 24—232.)



A hook structure comprising a link having spaced ends and provided at one end with an outstanding lip, and provided at its outer side and under the lip with a recess, link plates pivotally connected with the opposite end portion of the link and adapted to bridge the space between the end portions and overlap the recess, a latch member pivotally mounted between the free ends of the link plates and adapted to engage under the lip and enter the recess, one of the link plates being provided at its edge with a notch and a locking dog pivotally mounted upon the body and engageable in the notch of the link plate.

1,540,924. PNEUMATIC CUSHION WHEEL. JOHN BOGDAN, Newark, N. J., and JOSEPH A. ANGLADA, Jenkintown, Pa. Filed Aug. 13, 1923. Serial No. 657,090. 7 Claims. (Cl. 152—33.)



3. A vehicle wheel comprising a body portion, having a rim provided with a flange, a plate, a wheel tire rim, a flexible shoe rigidly clamped to said rims, said rims and shoe being connected by tapered interengaging portions, and clamping bolts extending through the plate, shoe and rim flange and securing the shoe to the first named rim.

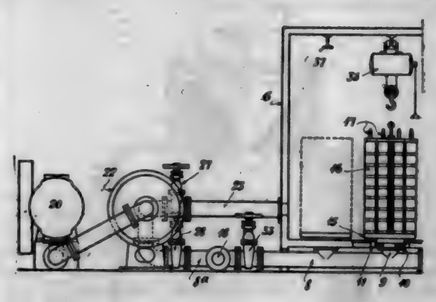
1,540,925. IMPLEMENT FOR CUTTING GRASS. MANUEL BOUSO, Habana, Cuba. Filed Mar. 19, 1923. Serial No. 626,184. 2 Claims. (Cl. 97—169.)



1. In an implement of the class described a beam, a standard pivotally connected to the beam for vertical angular adjustment, a substantially semicircular horizontally arranged share provided at the center with a rearwardly extending arm secured to the lower end of the standard and a colter extending upwardly from said arm and adjustably secured to the beam.

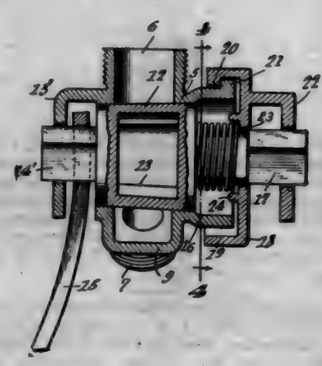
1,540,926. APPARATUS FOR THE DRYING OF WOUND YARNS AFTER LIQUID TREATMENT THEREOF. JOHN BRANDWOOD, THOMAS BRANDWOOD, and JOSEPH BRANDWOOD, Bury, England. Filed May 18, 1923. Serial No. 639,906. 4 Claims. (Cl. 34—26.)

1. A drying apparatus, comprising a drying chamber, an air pipe communicating directly with the air space of the said chamber, a support arranged horizontally in the said chamber and provided with a dish having an air opening, an air pipe connected to said dish, a hollow carrier plate provided with perforated tubes for supporting cheeses of yarn and having a tubular stem which



engages with the said dish, and means for forcing air into one of the air pipes and for exhausting air from the other air pipe.

1,540,927. VALVE. ALFRED W. CHARLES, Butte, Mont. Filed Jan. 7, 1924. Serial No. 684,837. 1 Claim. (Cl. 251—112.)

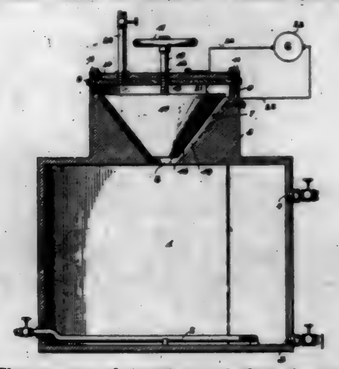


A valve including a body portion, said body portion having an opening extending transversely therethrough, and having a flange formed with lugs extending laterally therefrom, a plug having openings, positioned in the body portion, a cap having lugs, a coiled spring disposed between the cap and plug for normally urging the plug within the body portion to insure a fluid-tight connection between the body portion and plug, and means for rotating the plug.

1,540,928. ACID-RESISTING ALLOY. ALVAH W. CLEMENT, East Cleveland, Ohio, assignor, by mesne assignments, to William H. Smith, East Cleveland, Ohio. Filed Dec. 17, 1917. Serial No. 207,427. 6 Claims. (Cl. 75—1.)

1. An alloy containing principally nickel, chromium and iron, in which the nickel is greater than 50%, the chromium approximately 15%, the balance consisting principally of iron together with an appreciable amount of molybdenum but not greater than approximately 8%.

1,540,929. TREATING OF HYDROCARBON OIL. S PHILIP COMLENTZ, Baytown, and STEWART P. COLEMAN, Corpus Christi, Tex., assignors to Humble Oil and Refining Company, a Corporation of Texas. Filed Dec. 31, 1920. Serial No. 434,393. 7 Claims. (Cl. 196—44.)



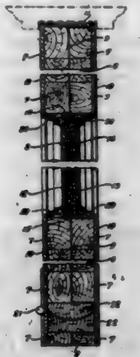
1. The process of treating a hydrocarbon oil which consists in subjecting the oil to treatment with acid, separating the acid sludge, producing an emulsion of the oil with a salt solution and subjecting said emulsion to cataphoretic action.

1,540,930. DEVICE FOR SUSPENDING SHEET MATERIAL. SOLOMON F. CUSHMAN, Beverly, Mass. Filed May 28, 1921. Serial No. 473,332. 9 Claims. (Cl. 24—248.)



2. A device of the class described, comprising a base, a pair of toggle levers, one of said levers being pivoted to the base at one locality thereon and the other being adapted, when the toggles are straightened, to co-operate with another locality of the base to grip a piece of material, and a spring-tongue connected with the first-named toggle and shaped to co-operate with the base in locking the knuckle of the toggle from movement.

1,540,931. SOUND-INSULATING PARTITION. WALTER B. DUNCANSON, New York, N. Y., assignor to The J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 7, 1924. Serial No. 704,626. 9 Claims. (Cl. 20—4.)



1. A sound insulating structure comprising two layers of non-metallic material and a sound-resisting metal foil interposed between said layers.

1,540,932. SOUND-INSULATING PARTITION. ARTHUR H. DODGE, New York, N. Y., assignor to The J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 19, 1924. Serial No. 707,553. 7 Claims. Cl. 20—4.)



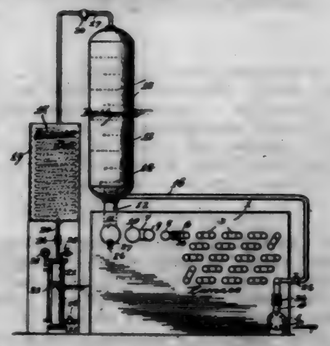
1. A sound insulating door or partition comprising laminæ, and an intermediate lamina consisting of a screen mesh interposed between said laminæ and having the interstices thereof filled with an adhesive by which the adjacent laminæ and the screen are united.

1,540,933. FOLDING PARTITION. JOHN THOS. FAIRHURST, Elizabeth, N. J., assignor to The J. G. Wilson Corporation, New York, N. Y., a Corporation of Virginia. Filed Apr. 26, 1924. Serial No. 709,115. 14 Claims. (Cl. 20—20.)



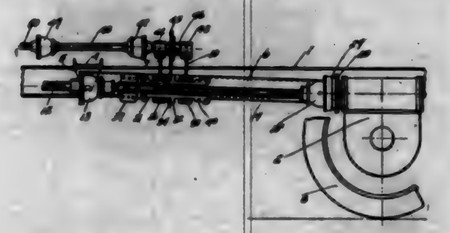
5. In combination, a slidable and rotatable section of a folding door, means to guide the section and to prevent it from sliding during its rotation, and vertically adjustable means to guide the section during its sliding movement.

1,540,934. APPARATUS FOR CRACKING OIL. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Feb. 10, 1921. Serial No. 443,747. 2 Claims. (Cl. 196—107.)



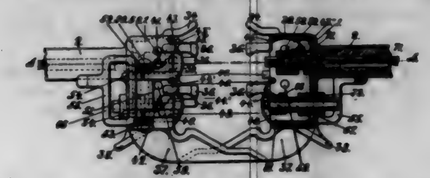
1. In an apparatus for cracking oil, the combination with a furnace, of a plurality of heating tubes for heating the oil to a cracking temperature, expansion means communicating with the heating tubes comprising a plurality of communicating tubes of gradually increasing diameter and means for taking off vapors and separate means for taking off residue from the expansion zone.

1,540,935. POWER TAKE-OFF MECHANISM. WILLIAM J. FOSS, Bay City, Mich., assignor to The Bay City Foundry & Machine Company, Bay City, Mich. Filed Mar. 27, 1922. Serial No. 547,249. 7 Claims. (Cl. 74—7.)



1. The combination with a motor vehicle, a drive shaft, a universal joint, a power take off comprising a declutching mechanism solid on the drive shaft and provided with a toothed clutch, a toothed member journaled thereon and adapted to be connected to the universal joint, shiftable means surrounding said member for selectively engaging one or both of said members, a subframe connected to the vehicle frame, a counter shaft journaled thereon, and means for driving the counter shaft from the drive shaft.

1,540,936. AUTOMATIC GAS AND ELECTRIC COUPLING FOR RAILWAY CARS. THEODORE P. GARABEDIAN, New York, N. Y. Filed Mar. 15, 1923. Serial No. 625,421. 7 Claims. (Cl. 173—332.)



1. In an automatic gas and electric coupling for railway cars, the combination with a housing, pipe nipples in said housing, means to connect said pipe nipples with pipes of the car, connecting terminals on front ends of said nipples, electrical connectors in said housing, cables extending to said connectors from said car, an extension rod on the rear end of said housing, a box adapted to receive said extension rod, a spring in said box, a shoulder on said extension rod adapted to press on said spring, said rod passing through an aperture in the rear end of said box, a nut on the outer end of said rod adapted to limit the movement of said rod with said housing, a yielding means to align said rod in said box, and means to support said box in a parallel coordination with the drawbar of said car.
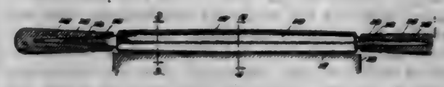
1,540,937. LADDER. EDWARD F. GIVENS and LYCURGUS LINDSAY, Los Angeles, Calif.; said Givens assignor to W. W. Lineaba. Filed Dec. 28, 1921. Serial No. 525,305. 6 Claims. (Cl. 228—38.)

4. In a ladder of the kind described, the combination of a pair of ladder units, interlocking bracket members attached respectively to the ladder units and constructed so as to be disengageable from each other by manipulation of the units, said interlocking brackets operating as a hinge connection for the ladder units when connected and operating to permit an unrestricted opening and closing movement of the angle formed by the ladder units in setting the same up as a step ladder, and a yoke secured to one of the ladder units and having a



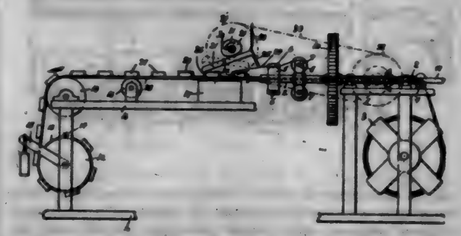
pair of laterally projecting arms, said arms operating when the ladder units are set up as a step ladder, to limit the swinging movement of the ladder units on the joint connection, and having a second position operating to hold one of the ladder units on the other when they are superposed upon each other to form an extension ladder.

1,540,938. SCRAPING BLADE FOR BEARINGS. RALPH W. GORDON, Rapid City, S. Dak. Filed Sept. 18, 1924. Serial No. 738,442. 1 Claim. (Cl. 45—47.)



A tool of the class described comprising an elongated blade concave-convex in cross section and its longitudinal edges tapering from the longitudinal center of the blade toward each end thereof, said blade being bevelled along the edges of the concave surface so that the corresponding edges of the convex surface terminates in a cutting edge, and a handle carried by each end of the blade.

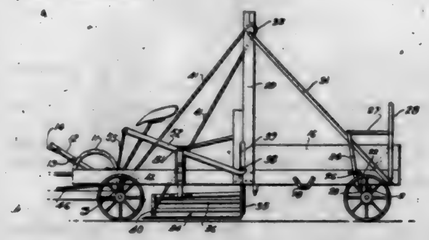
1,540,939. MACHINE FOR THE MANUFACTURE OF FENCING. HANS CLAUSSON HANSEN, Charlottenlund, near Copenhagen, Denmark. Filed Apr. 1, 1925. Serial No. 19,919. 1 Claim. (Cl. 140—31.)



A machine for the manufacture of trellis-like fencing material and wire-bound iron reinforcement for concrete, comprising a machine frame, a plurality of parallel hollow shafts journaled thereon and forming passages for supporting wires, a binding-wire guiding device mounted on each of the said shafts and having means for wrapping the binding-wires around the supporting wires and binding staves to the same, an automatically operated tension device located above the supporting wires and consisting of a spring-actuated lever fulcrumed intermediate of its ends to form two arms, one of the arms being provided at its outer end with means for engaging the staves to control the feed and the other arm having wire engaging means arranged to engage the bind wire and press it firmly against a transverse stave resting on the supporting wire while the binding wire is being wrapped around the supporting wire, a cam located above the lever and arranged to directly engage

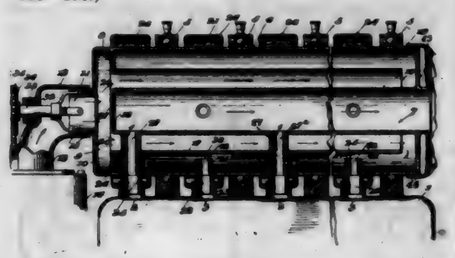
one of the arms thereof for moving the lever against the action of the spring, and a single means for operating the cam to disengage the feed controlling means and move the wire engaging means into contact with the binding wire and for rotating the hollow shafts while the binding wire is being pressed against the stave.

1,540,940. LOADER, MONTA B. HOWARD and THOMAS E. DEWEESE, Marble, Ark. Filed Aug. 10, 1920, Serial No. 402,550. Renewed Nov. 15, 1924. 5 Claims. (Cl. 219—78.)



1. A wheeled frame having a box at the rear thereof, a scoop disposed at the front of the box, lugs thereon, guides carried by the frame and receiving said lugs and designed to permit of a limited vertical movement of the scoop with respect to the frame, pivoted means contacting with said lugs, whereby to raise and sustain the scoop at varying elevations, cable operated means for further elevating the scoop to bring the lugs thereof to the upper extremity of the bearings and for further causing the tilting of the scoop in the direction of the box.

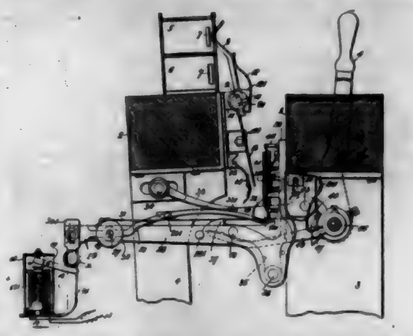
1,540,941. ROTARY VALVE FOR GAS ENGINES. ARTHUR JOSEPH KRAUSE, Cleveland, Ohio. Filed Aug. 19, 1924. Serial No. 732,999. 6 Claims. (Cl. 123—190.)



1. In an internal combustion engine, a rotary valve comprising a cylindrical casing provided with internally arranged exhaust and intake conduits, intake and exhaust ports, and passages connecting the intake ports and exhaust ports respectively with the intake and exhaust conduits, individual water jackets mounted on the cylindrical valve casing and provided with radial passages therethrough isolated from the water jackets, the passages in certain of the water jackets adapted to aline periodically with the intake ports of the valve, the passages in the other jackets adapted to periodically aline with the exhaust ports of the valve.

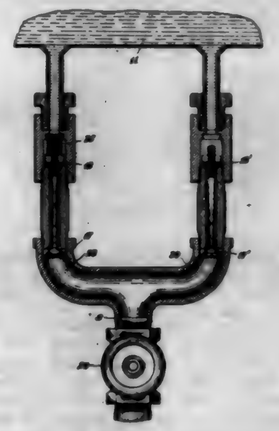
1,540,942. SMASH-PROTECTOR MOTION. LOUIS N. LA FAYETTE, Plymouth, Mass. Filed July 20, 1921. Serial No. 486,238. 8 Claims. (Cl. 139—348.)

1. A loom comprising a breast beam, a lay and shuttle boxes located at each end thereof, a binder located in each shuttle box to be displaced by the entry of a shuttle into the box, circuit-closers located to be held by said binders in circuit-closing position when said binders are in displaced condition, and a circuit comprising an electromagnet and permanent connections between said electromagnet and said circuit-closers, whereby upon the closing of both of said circuit-closers, the electromagnet will at once be energized, a stop motion



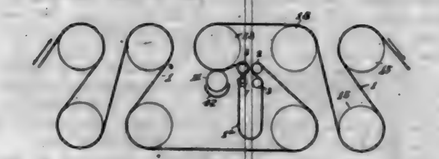
and a locking mechanism, one member of said locking mechanism being attached to said breast beam and the other member being attached to said lay, said members being normally disengaged, and means whereby upon the energization of said electromagnet said stop motion will be operated and said locking members will be positioned to engage and lock the lay on its return movement.

1,540,943. LUBRICATING DEVICE. STEVEN T. LESTER, East Bakersfield, Calif. Filed May 23, 1923. Serial No. 640,839. 1 Claim. (Cl. 184—76.)



In a lubricating device, the combination of a source of lubricant provided with two outlets; each of said outlets having one end of a coupling attached thereto, each of said couplings forming an interior chamber; two nipples respectively secured to the other ends of said couplings; a duct having two branches, one of each of which is secured to the other end of said nipples respectively; and two valve stems respectively passing through said nipples, each of said stems having a valve member secured to opposite ends thereof and arranged so that when one valve is open the other is closed; one only of said chambers having a spring seated therein adapted to exert pressure upon the corresponding movable valve member and tending to actuate same to assume its closed position.

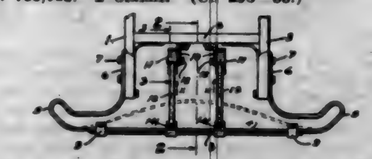
1,540,944. ROOFING MACHINE. OWEN D. MCFARLAND, Chicago, Ill., assignor to The Guyton & Cumfer Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 2, 1921. Serial No. 441,723. 5 Claims. (Cl. 91—16.)



1. In a roofing machine the combination with means comprising an embossing roll for imposing a design upon a roofing sheet continuously fed therethrough, feed rolls having guide flanges thereon arranged out of contact and in off-set relation, whereby the material is accurately fed to the design-making means without the use of pressure.

2. In a roofing machine, the combination with a means for imposing a design upon the roofing material, feed rolls adapted to positively feed the material without subjecting it to pressure, and adapted to maintain available at all times an excess of roofing material to prevent strain, or deterioration of the sheet when the design is imposed thereon.

1,540,945. BUMPER FOR AUTOMOBILES. WRIGHT MILLER, Denver, Colo. Filed Sept. 16, 1924. Serial No. 738,015. 2 Claims. (Cl. 293—55.)



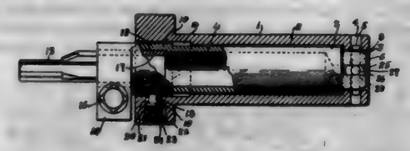
1. The combination with a spring bumper of an automobile, of a recoil retarding device located between the bumper and the chassis of the car.

1,540,946. BEATER. ARTURO F. MOELLER, San Pedro, Mexico. Filed May 8, 1924. Serial No. 711,847. 5 Claims. (Cl. 259—113.)



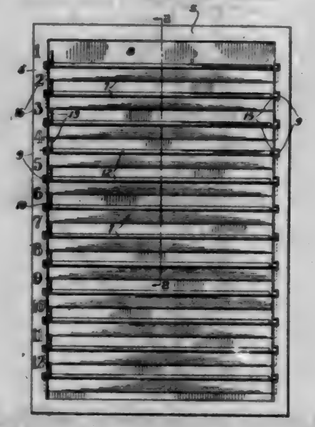
1. In a device of the character described, a dasher including a dasher rod, a foraminous dasher shell connected with the rod, and a removable foraminous bottom plate normally closing the shell and removable without disturbing the connection between the shell and rod.

1,540,947. REAMING TOOL. WILLIAM L. O'BRIEN, Dayton, Ohio. Filed Sept. 15, 1922. Serial No. 588,421. 1 Claim. (Cl. 279—16.)



In a floating tool holder, a tubular casing provided at one end with pairs of intersecting apertures, the axes of which intersect the bore of the casing, a tool holder arranged in the casing and having a ball head at one end provided with a kerf dividing the head into two tines; said tines being provided with aligned apertures coaxial with the axes of one pair of the apertures in the casing, a pivot pin rotatably mounted in the other pair of apertures in the casing and having a flat central portion snugly and slidably engaging the side surface of said kerf, and a second pivot pin passing through one pair of apertures in the casing, through the apertures in the tines and through the first mentioned pivot pin, and functioning to lock the tool holder and first mentioned pivot pin in th ecasing.

1,540,948. PRINTER'S GALLEY RACK. ARTHUR A. PANNIER, Salt Lake City, Utah. Filed Dec. 21, 1923. Serial No. 681,990. 3 Claims. (Cl. 276—44.)

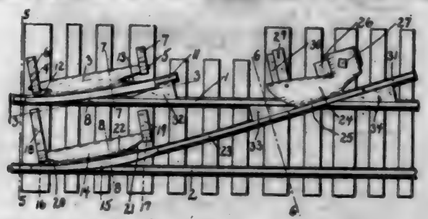


1. A cabinet having a compartment provided at its ends with series of opposed grooves extending from front to rear, a series of cooperating galleys, each having the usual side and end flanges and provided with a guiding rib projecting horizontally outward from the bottom of the galley beyond the end flange, and the bottom of the galley being extended horizontally outward at the other end beyond the end of the side flange, said rib and extended end of the bottom forming guiding means, which are received within said grooves to support the galley within the cabinet, whereby each galley serves as its own shelf within the cabinet.

1,540,949. RAILWAY BRIDGE SWITCH. DAVIS A. PICKENS, Jackson, Miss. Filed June 16, 1924. Serial No. 720,246. 5 Claims. (Cl. 246—376.)

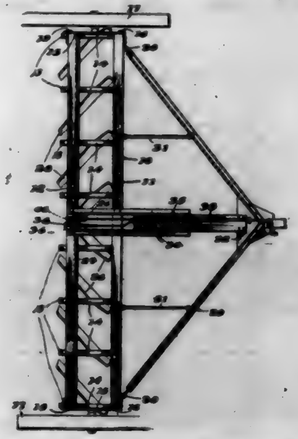
1. In a railway bridge switch, the combination with main line rails and auxiliary rails forming a switch crack of three rail bridging members, each comprising a supporting body and a rail portion having tapered ends secured thereto, trunnions and supports for two of said

rail bridging members arranged to permit these bridging members to be turned back in order to leave the main line rails clear or to be turned over so as to place the rail portion of each on top of a main line rail and an auxiliary switching rail in order to cause a wheel to pass from one rail to the other, and a pivot and sup-



porting means for the third rail bridging member arranged to permit this member to be swung back on its pivot in order to leave the main line rail clear or to be swung forward so as to place its rail portion on top of parts of two auxiliary switching rails and the main line rail in order to cause a wheel to pass from one auxiliary rail to the other.

1,540,950. WEEDER. WILLIAM J. RAUSLER and LAMAR C. PURTT, Loveland, Colo. Filed Feb. 3, 1923. Serial No. 616,728. 2 Claims. (Cl. 97—144.1.)



1. In a device of the type described, supporting wheels, plates bearing stub axles for said supporting wheels, a frame including vertically disposed guide members slidably receiving the sides of said plates, blade holders rigidly connected to said frame member and having aligned apertures formed therein, a shaft directed through the apertures of the blade holders and having its end extending into openings formed in said plates, one side wall of the openings of the plates being formed to provide a rack, pinions carried by the ends of the shaft and engaging the racks of the plates, and means for rotating said shaft and maintaining the same in adjusted position.

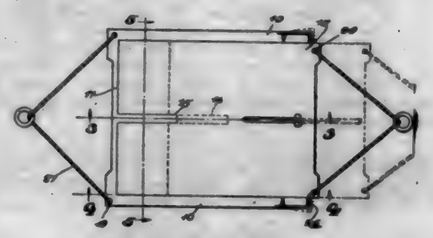
1,540,951. PROCESS OF GROWING LACTOBACILLI AND THE PRODUCT. JOHN REICHEL, Philadelphia, and CHRISTOPHER ROOS, Wallingford, Pa., assignors to H. K. Mulford Company, a Corporation of Pennsylvania. Filed June 19, 1924. Serial No. 721,146. 10 Claims. (Cl. 167—7.)

2. A method of obtaining lactobacilli mass containing substantially the same number of lactobacilli contained in milk or *B. bulgaricus* milk, which consists in growing lactobacilli in a culture media prepared by digesting casein with a ferment in proportions suited to the purpose, treating the mixture with an alkali, incubating the same for substantially six hours at 45° C. sterilizing, and cooling substantially to 40° C. and then planting the media with lactobacilli, and allowing them sufficient time to attain their maximum growth prior to harvesting, by settling or centrifugation.

7. A new product comprising lactobacilli in a culture media other than milk, the lactobacilli being approximately one to two cubic centimeters or two grams, the same being in concentration not less than the number of *B. acidophilus* in one quart of lactobacillus milk.

10. A new article of production, comprised of lactobacillus mass in a moist state and gelatin.

1,540,952. LACE-TRANSFERRING DEVICE. JOHN L. REID, Dublin, Ga. Filed Aug. 30, 1923. Serial No. 660,222. 1 Claim. (Cl. 206—50.)



In a board for bolts of lace, a frame having apertures in its edges at one end, a board slidable therein having apertures near its edges at the end remote from the apertures of the frame, bails adapted to enter the apertures whereby the frame and board are moved relative to each other, and means for holding the frame and board at different positions of adjustment.

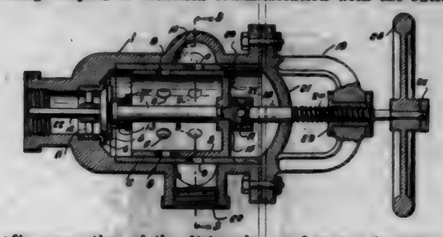
1,540,953. AUTOMATIC TRAIN-PIPE CONNECTER. JOSEPH V. ROBINSON, New York, N. Y. Filed Dec. 6, 1919, Serial No. 343,102. Renewed Nov. 1, 1924. 22 Claims. (Cl. 285—24.)



1. An automatic train pipe coupling head comprising in combination, a base carrying a conduit and having a vertically disposed front face, a pressed sheet metal member mounted on said front face of said base and having an opening in alignment with said conduit and having also guiding means for aligning said conduit with the conduit of a mating head, said member serving as the coupling contour of said base, and means for securing the base and said member together.

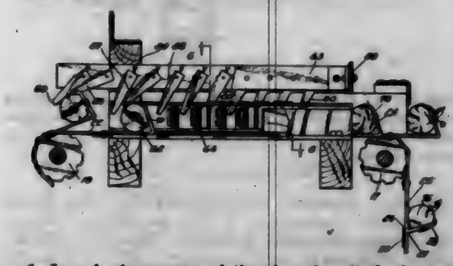
1,540,954. BLOW-OFF VALVE. HUBERT R. ROCKWELL, St. Louis, Mo. Filed May 12, 1923. Serial No. 638,557. 2 Claims. (Cl. 277—35.)

1. A blow off valve having a casing, said casing having an inlet and an outlet, a disk valve for said inlet, a cylindrical valve for the outlet connected to the disk valve, means having swivel connection with said valves to operate them simultaneously, the cylindrical valve being adapted to establish communication with the outlet



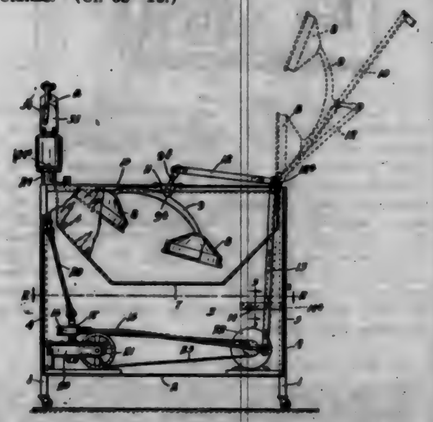
after unseating of the disk valve, and means to prevent turning movement of the cylindrical valve relatively to the casing.

1,540,955. MACHINE FOR REMOVING HUSKS FROM NUTS. MCHENRY ROSS, Monrovia, Calif. Filed Aug. 20, 1923. Serial No. 658,241. 16 Claims. (Cl. 146—49.)



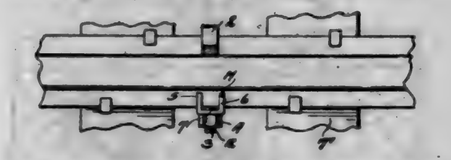
1. In a husk remover of the class described, the combination of: husk removing members disposed along a course; means for carrying nuts through said course in such a manner that said nuts will be engaged by said husk removing members; and means for turning said nuts as they are conducted along said course so that the various portions of said nuts will be engaged by said husk removing members.

1,540,956. WASHING MACHINE. EDWARD RUE, Minneapolis, Minn., assignor to Rue-Nelson Manufacturing Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 10, 1921. Serial No. 506,686. 8 Claims. (Cl. 68—19.)



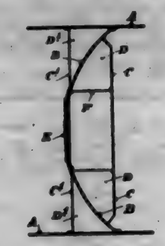
1. A washing machine having in combination, a frame, a liquid and clothes receptacle supported therein, a hinged cover for said receptacle oscillatory means in said receptacle for acting on the clothes, means for actuating said oscillatory means including a lever fulcrumed on a horisontal pivot, and also including means for lifting said lever from its fulcrum when the cover is raised to thereby stop the actuation of said oscillatory means.

1,540,957. ANTICREEPING DEVICE. ANGELO F. RUGGERO, Gold Creek, Mont. Filed Feb. 14, 1925. Serial No. 9,154. 3 Claims. (Cl. 238—329.)



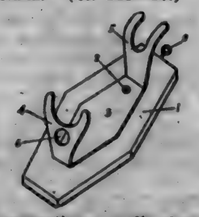
1. An anti-creeping device for a rail comprising a pair of plates connected by an intermediate plate, said first named plates being provided with notches to receive a flange of a rail, the intermediate plate having an opening positioned below the notches, a shank adapted to underlie the rail and having means to engage the second flange of the rail, said shank extending through the opening in the intermediate plate and a nut engageable with the shank outwardly of the intermediate plate but contacting therewith to hold the first named plates and the shank in proper engagement with the flanges of the rail, and a laterally disposed arm carried by one of the plates for contact with a tie.

1,540,958. WATER-TIGHT BULKHEAD FOR SUBMARINES AND OTHER SUBMERSIBLE VESSELS. EUGÈNE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed June 29, 1923. Serial No. 648,557. 15 Claims. (Cl. 114—116.)



1. In a bulkhead structure, the combination of a main bulkhead, a flat auxiliary bulkhead disposed adjacent the main bulkhead and of less strength than the latter, a tubular bulkhead providing a passageway through the structure, and a closure for one end of said passageway.

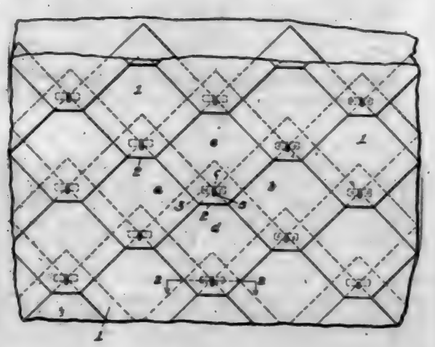
1,540,959. CURLING-IRON HOLDER. LEO J. SCHUMACHER, Dayton, Ohio. Filed Feb. 4, 1924. Serial No. 690,399. 1 Claim. (Cl. 248—20.)



A holder for supporting a curling-iron in a horizontal or a vertical position, comprising a base, a supporting member secured thereto having up-turned ends to hold

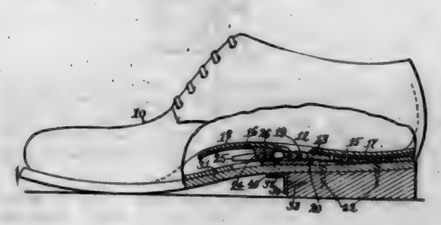
said iron in a horizontal position, one of said ends being bifurcated and the other end having an aperture to receive, and prevent from dangling, the front part of the curling-iron when its handle part is supported in a vertical position by the bifurcated end of the supporting member.

1,540,960. SHINGLE-HOLDING MEANS. ROY SHUMAN, Toledo, Ohio. Filed Aug. 2, 1922. Serial No. 579,177. 1 Claim. (Cl. 108—33.)



In a roof construction having shingles of rectangular construction arranged in such a manner that one shingle overlaps portions of two subjacent shingles, means for holding the shingles together consisting of a flat metallic strip adapted to be inserted between the upper shingle and subjacent shingles, a central upwardly extending bendable stem on the strip projecting thru said upper shingle and adapted to be bent over upon the upper surface thereof, and downwardly extending elements adjacent the opposite ends of the strip for securing the strip to the subjacent shingles, thereby securely retaining three shingles in assembled relation without the necessity of additional securing means.

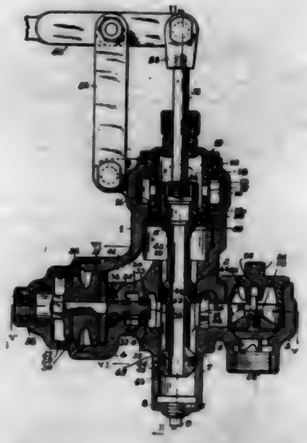
1,540,961. BOOT OR SHOE. JOHN P. STEVENS, Newburyport, Mass. Filed May 21, 1923. Serial No. 640,374. 5 Claims. (Cl. 36—71.)



3. An arch-supporting device for use within a shoe comprising a pivoted heel-supporting member, and an arch-supporting member pivoted to said heel-supporting member to rock thereon while engaged with the arch of the foot.

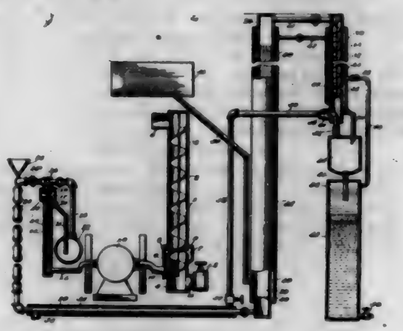
1,540,962. HYDRAULIC VALVE. GEORGE J. STUART, Pittsburgh, Pa. Filed Feb. 10, 1923. Serial No. 618,326. 9 Claims. (Cl. 138—16.)

1. In a hydraulic valve, a casing having therein an exhaust chamber, a common receiving chamber for two fluid pressures, and a third chamber having a port for connection to a hydraulic press or the like; a stem reciprocable in the casing; a valve carried by the stem for opening and closing connection between the last two chambers; a head carried by the stem for balancing the



pressure on the said valve when closed; and a second valve carried by the stem for opening connection between the first and third chambers only after the first valve has been closed.

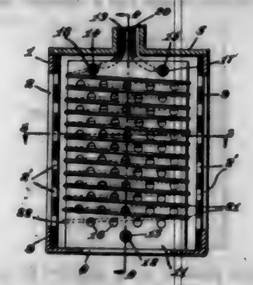
1,540,963. PROCESS FOR SEPARATING GAS FROM LIQUIDS. CHARLES F. W. TABLER, Tampico, Mexico. Filed Mar. 26, 1924. Serial No. 702,117. 7 Claims. (Cl. 183—114.6.)



1. A process for extracting gasoline from gases, which comprises centrifugally separating and eliminating the greater and dry portion from the heavier portions carried by said gases under low pressure, increasing the pressure of the concentrated gases and again centrifugally separating and eliminating discoloring matter from the gases, washing and cooling said gases, further chilling said concentrated gases while centrifugally separating the gasoline and foreign matter from the remaining gases, expanding the separated gasoline for chilling the concentrated gases and gasoline when being washed and during the final stages of the centrifugal separation of the gasoline from said gases.

1,540,964. ELECTRIC IMMERSION HEATER. JOSEPH NAPOLEON TRAHAN, Quebec, Quebec, Canada. Filed May 16, 1924. Serial No. 713,805. 3 Claims. (Cl. 219—40.)

1. An immersion heater comprising a casing having slotted walls, a pair of insulation plates disposed in spaced relation within said casing and spaced from the walls thereof, said plates being adapted for the passage of



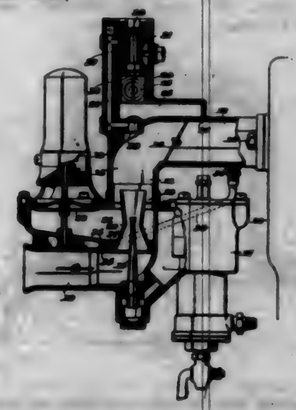
water therethrough, resistance wire wound around said plates, and means for supplying current to said wire.

1,540,965. ARCH-SUPPORT-SECURING MEANS. CARL H. TRIESCHMANN, Milwaukee, Wis. Filed Sept. 27, 1924. Serial No. 740,273. 5 Claims. (Cl. 36—71.)



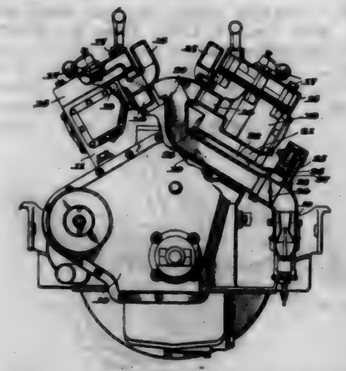
1. An arch support securing means, comprising an arch support member having a recess formed in its lower surface and a tongue entering said recess, and a pointed instrumentality having a head positioned within the recess and its pointed portion extending through the tongue and projecting outwardly therefrom.

1,540,966. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed June 30, 1920. Serial No. 392,975. 7 Claims. (Cl. 123—122.)



1. In a hydrocarbon motor, the combination with the intake conduit thereof, a carburetor connected to said conduit, and a suction operated combustion device connected to draw its mixture from said carburetor and discharge into said conduit, of a suction pipe extending from a part of said carburetor where heavy fuel collects during idling of the motor, to said conduit.

1,540,967. HYDROCARBON MOTOR. JESSE G. VINCENT, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 4, 1920. Serial No. 408,236. 3 Claims. (Cl. 123—122.)

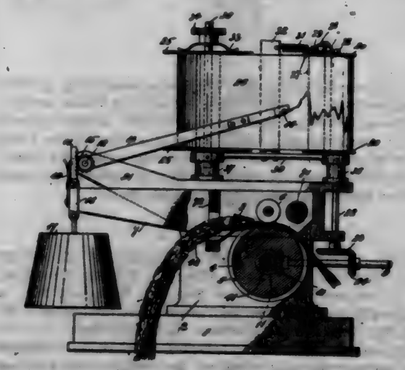


1. In a V-type hydrocarbon motor, the combination with two cylinder blocks having intake passages, of an intake conduit extending through one of said blocks on an incline and connected at its upper end to said intake passages, a carburetor connected to the lower end of said conduit, and a heater jacket on the inclined part of said conduit.

1,540,968. TREATMENT OF VEGETABLE FIBERS AND THE MANUFACTURE OF CELLULOSE BY THE CHLORINATION PROCESS. PERCY WAENTIG and RICHARD ZIEGENBALG, Dresden, Germany; said Richard Ziegenbalg assignor to said Waentig. Filed June 12, 1924. Serial No. 719,581. 6 Claims. (Cl. 92—9.)

2. The process of treating vegetable fibers and producing cellulose therefrom which consists in disintegrating the fibers, adding approximately half their weight of water to the fibers, acidifying them, at ordinary temperature, allowing them to remain in the acidified condition, treating them with chlorine and cooling them during the treatment.

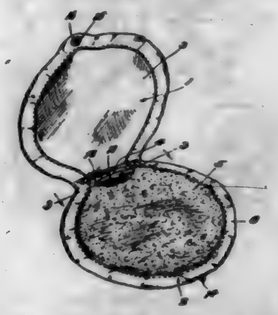
1,540,969. MACHINE FOR INDICATING VARIATIONS IN SLIVER THICKNESS. ERNEST D. WALEN, Watertown, and ARTHUR H. PARSONS, Gloucester, Mass. Filed Sept. 15, 1922. Serial No. 588,508. 4 Claims. (Cl. 33—148.)



1. In a device of the kind described, a feed roller adapted to support and feed a sliver, a measuring roll located to run on said sliver, means adapted to support said measuring roll whereby said measuring roll may be

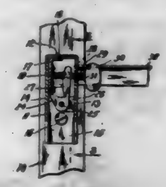
vibrated toward and from the axis of said feeding roller by the varying thickness of said sliver, and means for measuring the extent of such vibrations.

1,540,970. POWDER PUFF. WALTER WARD, Hunter, Kans. Filed June 14, 1921. Serial No. 477,453. 1 Claim. (Cl. 132—78.5.)



In a powder puff, a cover member comprising coacting flaps and a connecting neck portion, said cover member being of a material impervious to powder, a pocket of a material pervious to powder secured to one of said flaps and adapted to be covered by the same and by the other flap and having a mouth presented toward connecting neck portion, there being spaced openings formed in the pocket-carrying flap at said mouth, a flexible securing element extending through said openings for closing the mouth, and interengaging fastening devices carried by the flaps for holding the cover in closed position.

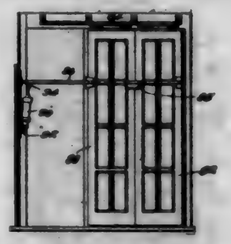
1,540,971. CORNER FASTENING FOR BEDSTEADS. DAVID WASSERMAN, Jersey City, N. J. Filed Oct. 17, 1923. Serial No. 669,038. 3 Claims. (Cl. 5—290.)



1. A corner-fastening for bedsteads comprising a shell, an angle-bar of the bed bottom supporting frame extending into said shell, a bent lever pivotally carried by said shell for clamping said angle-bar against one of the walls of said shell, and means for operating said bent lever, said operating means clamping at the same time said angle-bar against another wall of said shell.

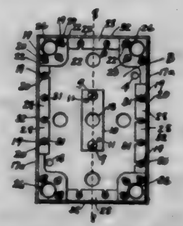
1,540,972. COMBINED ELEVATOR-DOOR CLOSURE AND SWITCH. WILLIAM WALLACE WEEKS, Brooklyn, N. Y., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed Oct. 25, 1923. Serial No. 670,719. 14 Claims. (Cl. 187—54.)

9. In an elevator door operating mechanism, adapted to be operatively connected to the toggle levers of an elevator door, a casing, a piston in said casing, a plunger cylinder connected to said casing, a plunger in said plunger cylinder, means for admitting pressure fluid to operate said piston, spring means in said casing for returning said elevator door to its closed position after opening movement thereof, and an electric switch in said casing comprising switch terminals and a movable contact member,



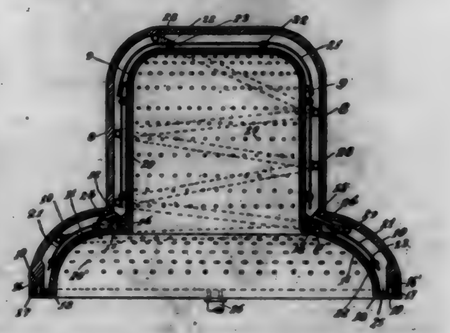
ber, said contact member being adapted to operate with the movements of said elevator door to open and close a circuit through said switch.

1,540,973. FORM BLOCK. LEE R. WETHERILL, Philadelphia, Pa., assignor to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 14, 1924. Serial No. 686,240. 23 Claims. (Cl. 93—59.)



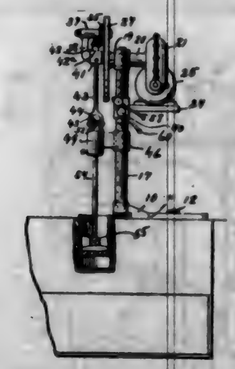
1. Form block structure comprising a block, and a corner shoe carried by said block, said shoe having a body overlying said block, and a cheek having a box-engaging face disposed in a plane substantially parallel with a lateral face of said block.

1,540,974. HAT-STEAMING MACHINE. WILLIAM WILSON, Selma, Ala. Filed Jan. 30, 1924. Serial No. 689,410. 3 Claims. (Cl. 223—31.)



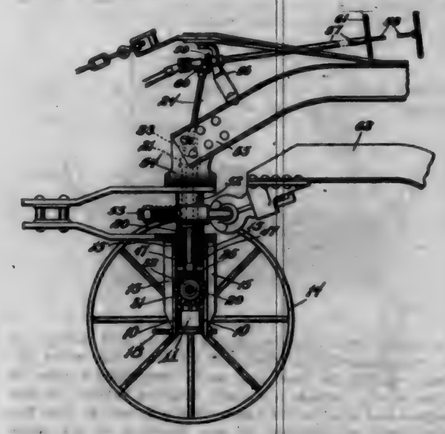
1. A steaming bell for hats comprising an imperforate outer shell and a perforated inner shell, with means to hold the shells in spaced relation and to form a steam tight compartment, a perforated steam pipe for said compartment, with metallic shields of thin material interposed between the perforated coil and the perforations of the inner shell to prevent leakage of condensed water therethrough.

1,540,975. CYLINDER-LAPPING MACHINE. CHRISTIAN WINTHER, CLARENCE W. WINTHER, and LENNA V. WINTHER, Fresno, Calif. Filed Apr. 17, 1922. Serial No. 553,940. 8 Claims. (Cl. 51—26.)



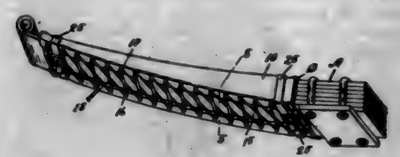
1. A cylinder lapping machine comprising a frame adapted to be detachably mounted upon the upper end of a cylinder block; vertically extending guide members carried by said frame; means mounted on said guide members to slide vertically and adapted to carry a piston; means carried by said frame to impart a vertical reciprocating movement to said slide members, and means operated by said last means to impart a continuous horisontal rotating movement to said piston always in the same direction during its reciprocation; and means to vary the length of said reciprocating movement.

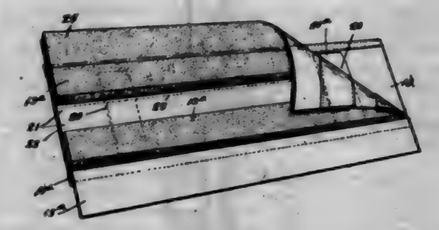
1,540,976. FRONT-WHEEL ASSEMBLY FOR GRADERS. FRANKLIN E. ARNDT, Galion, Ohio, assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio, a Corporation of Ohio. Filed Aug. 16, 1924. Serial No. 732,540. 10 Claims. (Cl. 280—80.)



1. In a vehicle of the character described, an axle, wheel knuckles pivotally mounted upon the ends of the axle for tilting movement in a vertical plane, wheels mounted thereon, a sleeve operatively supported upon the axle, a shaft passing downward through said sleeve, a superstructure, said shaft passing through the pivotal center of the superstructure and said sleeve, manually operable means for rotating the shaft, a member mounted upon the axle for movement longitudinally thereof and transverse to the draft line of the vehicle and operatively connected to the knuckles to cause their simultaneous oscillation in the same direction, and means operatively connecting said shaft to said member to shift the member upon an oscillation of the shaft.

1,540,977. CASING FOR VEHICLE SPRINGS. FRANKLIN B. BALLOU, Salem, Mass., assignor to Standard Products Corporation, Salem, Mass., a Corporation of Massachusetts. Filed Jan. 26, 1923. Serial No. 614,969. 24 Claims. (Cl. 267—37.)

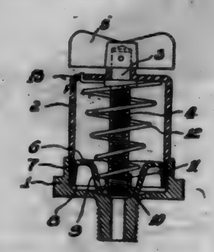




1. A casing for a vehicle spring comprising a flexible sheet of villous material having a fibre pile on one face thereof and adapted to be wrapped about the spring with the pile in contact with the spring.

2. A casing for a vehicle spring comprising a sheet of hair-bearing leather adapted to be disposed with its hairs in contact with the spring.

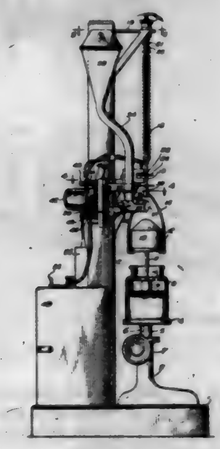
1,540,978. GREASE CUP. OLIVER E. BARTHEL, Detroit, Mich. Filed Feb. 7, 1920. Serial No. 356,944. 2 Claims. (Cl. 184—38.)



1. In grease cup formations, wherein the lubricant is forcibly expelled by the travel of a piston axially of the cup, and wherein the piston movements are provided by rotation of a threaded member, a sheet metal piston having a cross-sectional contour such as to provide an annular depression facing the lubricant within the cup, the outer wall of the depression having an external diameter to fit the cup barrel with the length of such

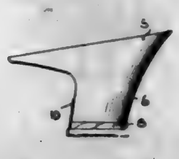
wall sufficient to provide an extended contact with such barrel, the inner wall having a length in the general direction of piston axis greater than the depth of the depression, said inner wall being spaced from the threaded member and having a third wall internal of such depression inner wall, said third wall being internally threaded to fit and travel on the threaded member during rotation of the latter, said walls being of integral formation.

1,540,979. MACHINE FOR TESTING JELLY STRENGTH OF GLUES, GELATINS, AND THE LIKE. OSCAR T. BLOOM, Chicago, Ill., assignor to Swift & Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 11, 1923. Serial No. 631,432. 7 Claims. (Cl. 265—11.)



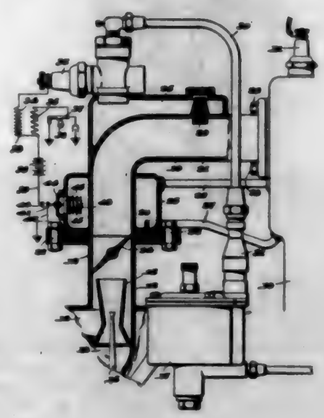
1. In a machine for testing the jelly strength of materials, a material penetrating member reciprocable a predetermined distance through the material being tested and initially contacting with the surface thereof, means for progressively delivering weights to said member to move it through its predetermined distance, and means controlled by the movement of said member for suspending the delivery of weights thereto when it has completed its movement.

1,540,980. BINDING FOR SHOE-HEEL FACINGS. JAKE N. CRASILNECK, San Antonio, Tex. Filed Sept. 4, 1924. Serial No. 735,917. 3 Claims. (Cl. 36—34.)



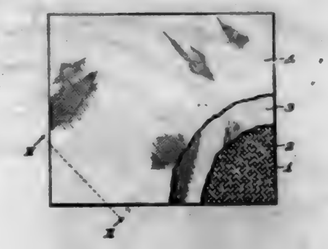
1. The herein described heel binding comprising a band to embrace a heel and the facing thereof at its lower edge, a bar extending across the band at its lower edge to engage the heel of a shoe, and a cap secured to the heel at the lower edge of the band.

1,540,981. HYDROCARBON MOTOR. HENRY P. DOOLITTLE, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 13, 1920. Serial No. 365,450. 3 Claims. (Cl. 123—122.)



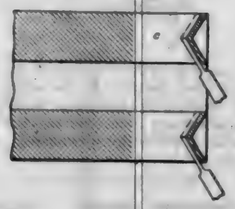
1. In a hydrocarbon motor, the combination with a water jacketed intake conduit, of a combustion heater for the intake gases, and means depending upon the temperature of the jacket water for controlling the operation of the combustion heater.

1,540,982. REPAIR PATCH. WALTER DRABOLD, Detroit, Mich. Filed May 11, 1921. Serial No. 468,476. 1 Claim. (Cl. 152—26.)



A repair patch adapted to conform to and partake of the stretching characteristics of an inner tube when applied to a deflated tube, said patch comprising a piece of fabric having threads angularly disposed relative to one another and also to the edges of the fabric so that the fabric may be stretched in any direction at its edges other than in the direction of the fabric threads, said piece of fabric being embedded in rubber and heat pressed together to form a unitary stretchable structure of sufficient thickness to entirely prevent the passage of said air at all pressures to which the tube is subjected, a covering of uncured gum of air excluding quality permanently adhering to the exposed surface of said unitary structure, the area of the fabric and of the rubber being co-extensive, and a protecting fabric covering removably adhering to the surface of said gum covering.

1,540,983. PRODUCTION OF FRICTION DISKS, WASHERS, BRAKE LININGS, AND THE LIKE. ALEXANDER MILLER FENTON and THOMAS HENRY CROWTHER, Cleckheaton, England, assignors to "Scandinavia" Belting, Limited, County of London, England. Filed Dec. 9, 1921. Serial No. 521,243. 2 Claims. (Cl. 91—68.)



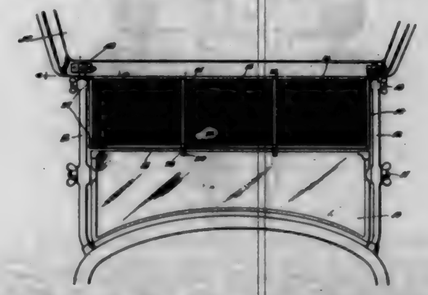
2. The process of making disks, washers, clutch-coverings and the like, by forming, upon a bobbin furnished with co-axial retaining plates, a wound spool composed of fibrous material, impregnated with a suitable binding agent, enclosing the mass in a cylinder and subjecting it to axial compression, drying and hardening the spool and then cutting it into sections.

1,540,984. FOOT WARMER. HENRY FRATERNALI, Dobbs Ferry, N. Y. Filed Feb. 27, 1922, Serial No. 539,705. Renewed Sept. 30, 1924. 1 Claim. (Cl. 126—204.)



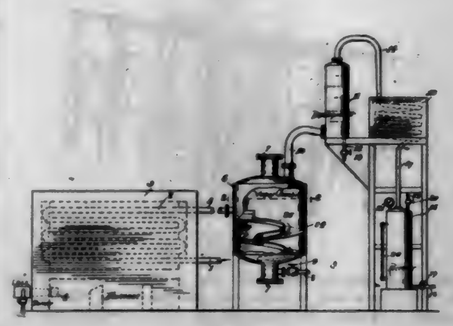
As a new article of manufacture, a foot warmer comprising a terra-cotta body enameled inside and outside, a counter-sunk neck, a rubber stopper adapted to expand against the walls of the neck by virtue of the heat in said body for closing said neck, means for holding said stopper in position, said means comprising a cap for screw threaded engagement with said neck and a pull cord secured to said stopper and extending through said cap.

1,540,985. WINDSHIELD SCREEN. OTHO R. GREGORY, Winter Garden, Fla. Filed Dec. 6, 1923. Serial No. 678,996. 2 Claims. (Cl. 296—95.)



2. The combination with an automobile wind shield having standards in which the top and bottom wind shields are pivoted, of a screen comprising a frame having flat flanges and horizontally and vertically projecting fingers, clamping members including double jaws engaging the standards and bottom wind shield respectively on the one hand and said fingers on the other hand and tightening bolts for the jaws, and a metallic mesh held firmly within the frame between the front inner surfaces of the flanges.

1,540,986. PROCESS AND APPARATUS FOR DISTILLING OILS. HIRAM J. HALLE, Chicago, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Sept. 17, 1920. Serial No. 410,918. 7 Claims. (Cl. 196—58.)



1. The process of distilling oils consisting in heating oil to a cracking temperature, in directing the same to a vapor chamber, in causing the oil to travel in a spiral path over surfaces in said vapor chamber prior to its discharge, and in discharging vapors from the vapor chamber, in discharging oils after passage over said surfaces from the chamber, and in regulating the quantities of oil discharged from the chamber to regulate the depth of oil maintained therein.

4. In an apparatus for distilling oils, comprising a heating chamber, means for feeding oil thereto, a vapor chamber in communication with the heating chamber, said vapor chamber being provided with a spiral passageway gradually leading from the circumference to the center thereof, means for discharging vapors from the vapor chamber, and means for discharging liquid oil from the center of said chamber.

1,540,987. ABRASIVE. THEODORE R. HEINTZ, San Francisco, Calif., assignor, by direct and mesne assignments, to Heintz Laboratories, Inc., Las Vegas, Nev., a Corporation of Nevada. Filed Feb. 28, 1924. Serial No. 695,663. 5 Claims. (Cl. 29—180.)

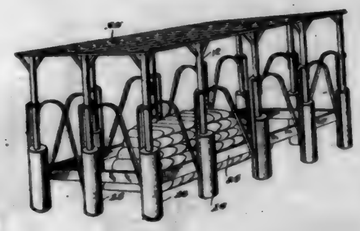


1. A pad of the class described consisting of a ribbon of interwoven metallic threads extending longitudinally of the ribbon, the latter being folded on itself to form a pad.

1,540,988. PROTECTIVE DEVICE FOR USE IN WARFARE. AUGUST WILLIAM HENSEL, Franksville, Wis. Filed Apr. 16, 1923. Serial No. 632,548. 6 Claims. (Cl. 89—36.)

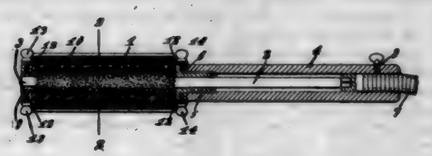
1. In a protective device for use in warfare, a framework carrying a netting adapted to be spread above, and across the objects to be protected, and means for

yieldingly supporting the frame-work including a plurality of rods depending from the frame-work carrying the netting and connected thereto, a cylinder receiving



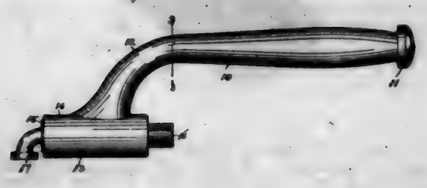
the lower end of each rod, and a piston head carried by the lower end of each rod and operating within the cylinder against resistance of the fluid confined therein.

1,540,989. HAIR-CLEANING DEVICE. JOHN T. HIGGINS, Burlington, N. C., assignor of one-half to Robert P. Robinson, Forest City, N. C. Filed Feb. 12, 1924. Serial No. 692,312. 2 Claims. (Cl. 15—23.)



1. A hair cleaning device comprising a hollow handle, a brush having a spindle rotatably mounted within said handle, means for connection with said spindle to rotate said brush, and oppositely disposed independent laterally spaced guard plates for said brush to prevent tangling of the hair therewith and to permit use of the brush between said plates.

1,540,990. TIRE-PRESSURE-GAUGE HOLDER. RANDALL L. HOLBROOK, Denver, Colo. Filed Mar. 3, 1924. Serial No. 696,703. 1 Claim. (Cl. 81—3.)



A tire pressure gauge holder, comprising a handle, a neck laterally extending therefrom and a holding head on the outer end of the neck, said holding head being formed with a longitudinal bore substantially parallel with the handle and slightly tapered, said bore being adapted to receive and contain a gauge and open at both ends for the projection of said gauge from either end thereof.

1,540,991. GAUGE. FRANK A. HOLMGREN, Minneapolis, Minn. Filed Sept. 24, 1923. Serial No. 664,591. 2 Claims. (Cl. 33—194.)



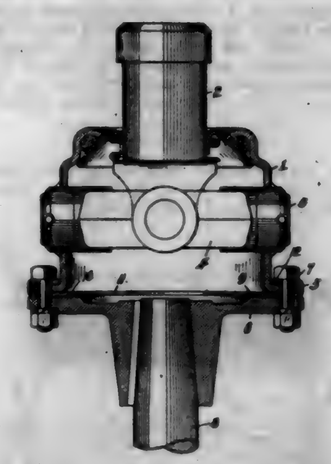
1. A plate having indicating means at its ends corresponding in relative position to the screws of a window hanger, and transversely arranged guiding devices extending perpendicularly from one face of the plate, and laterally arranged projections extending out from said guiding devices.

1,540,992. STEERING WHEEL. CHARLES H. KENRICK, Onaway, Mich. Filed May 6, 1924. Serial No. 711,474. 10 Claims. (Cl. 74—33.)



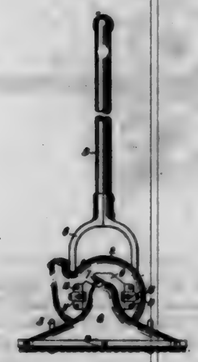
1. A steering wheel, comprising in combination, a wood rim, a plurality of wood spokes and a one piece metallic hub, said hub having a dovetail connection with each spoke, said dovetail connection, retaining said spokes against movement axially of the wheel and allowing radial movement thereof.

1,540,993. UNIVERSAL-JOINT CASING. ADOLPH C. KLOPPING, Toledo, Ohio. Filed Apr. 7, 1924. Serial No. 704,583. 3 Claims. (Cl. 64—102.)



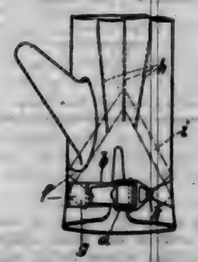
3. A universal joint having a sheet metal driving housing provided with an out-turned flange at one end, a ring plate of sheet metal disposed flat against the outer side of said out-turned flange with its outer edge extending over the flange in close embracing relation thereto, the inner edge of the ring plate being centered with respect to the housing axis and forming a pilot guide, a shaft plate seating against the outer side of the ring plate and having a pilot rib for fitting into the ring plate opening, and bolts extending through the outer edge of the ring plate and shaft plate to secure the parts in assembled relation.

1,540,994. VACUUM CLEANER. STERLING C. LINES, Los Angeles, Calif., assignor to The F. Bissell Company, Toledo, Ohio, a Corporation of Ohio. Original application filed Apr. 17, 1922, Serial No. 553,442. Divided and this application filed Oct. 29, 1923. Serial No. 671,325. 3 Claims. (Cl. 15—16.)



1. In a vacuum cleaner, a frame having a fan casing at one end with the outer side of the casing provided with an inlet opening, a nozzle having a laterally projecting neck flange for seating against the casing in surrounding relation to its opening and for adjustment transversely of the opening, and means engaging the neck flange for releasably securing the nozzle in adjusted relation to the casing.

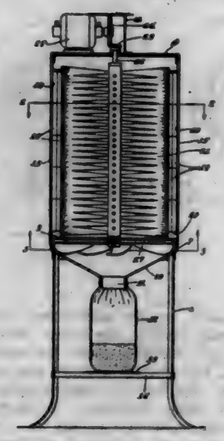
1,540,995. GLOVE. FRITZ MAHN, Oberfrohnau, Germany. Filed Dec. 8, 1923. Serial No. 679,478. 3 Claims. (Cl. 2—162.)



1. In gloves, the combination with a strap-and-buckle closure, of reinforcing bands which overlap the fastened ends of the straps so as to be interconnected therewith, said reinforcing bands being carried helically upwards from the straps towards the finger portions at the back of the glove.

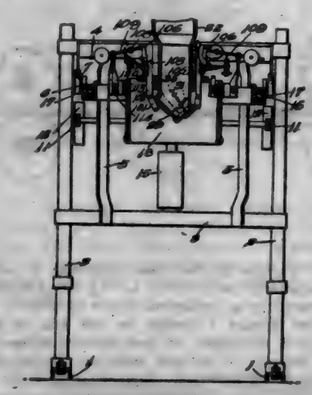
1,540,996. CLEANER FOR BLACKBOARD ERASERS. GEORGE A. MARSHALL, Cleveland, Ohio. Filed July 3, 1922, Serial No. 572,700. Renewed Apr. 22, 1925. 2 Claims. (Cl. 15—7.)

1. An eraser cleaner comprising an upright cylindrical casing provided with a hopper bottom, a collecting bag mounted on the outlet neck from said bottom, a rotary brush in the casing, holders on the inside of the casing,



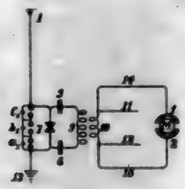
for the erasers, the brush projecting to contact with said erasers in the holders, and means extending thru the top of the casing to rotate the brush.

1,540,997. AUTOMATICAL BALANCE. PETER AUGUST NORDLING, Gottenborg, Sweden. Filed Oct. 3, 1923. Serial No. 666,400. 5 Claims. (Cl. 249—66.)



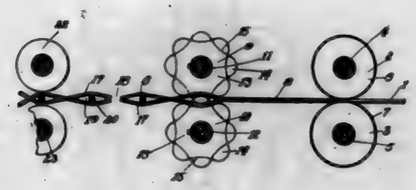
1. In automatical balances, the combination of a pivotal beam, feeding means for supplying the material to be weighed to a package member carried by said beam, shutters adapted to shut off said feeding means automatically and successively when the package member has received the desired quantity by weight of the material, a member connected with the last-closing shutter, a pivotal catch adapted to engage with said member so as to hold the shutter in opened position, a catch-actuating pivotal lever cooperating with said catch, means acting upon said lever and exerting the necessary power for releasing said catch from said member, means operatively connected to said catch-actuating lever and being arranged to bear against the beam of the balance until immediately after that the shutter has been released, and means adapted to support said lever after that the shutter has been released.

1,540,998. CONVERSION OF ATMOSPHERIC ELECTRIC ENERGY. HERMANN PLAUSON, Hamburg, Germany. Filed Jan. 13, 1921. Serial No. 437,107. 7 Claims. (Cl. 250—1.)



1. An electrical energy generating system, comprising a conducting surface for static charges, means to support same at a distance above the earth, a conductor leading to the earth level, a spark gap associated with said conductor to convert electrostatic charges into electromagnetic high frequency oscillations means to supply said electromagnetic energy to a net work, and a spark gap of greatly increased relative resistance in parallel therewith.

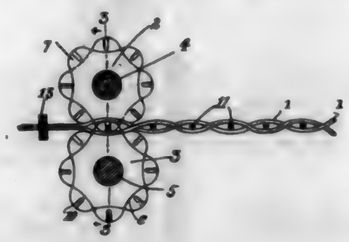
1,540,999. APPARATUS FOR PRODUCING IMITATION BASKET FABRICS. FRANCIS B. RILEY, Newton, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1920. Serial No. 412,336. 3 Claims. (Cl. 139—28.)



2. In a machine of the class described, a pair of rotatable cylinders, one at least having its cylindrical surface destroyed by a contiguous series of concave grooves, each groove having a center on the axis of the said cylinder, and the plane of each groove being at right angles to the axis of the said cylinder, the two cylinders being adapted to score one surface at least of a sheet of flexible material, in straight, parallel, unbroken lines, and shed forming means comprising a pair of shafts with a plurality of cams mounted on each shaft adapted to break the scored sheet into a number of sheds for the insertion of stakes in spaced relation.

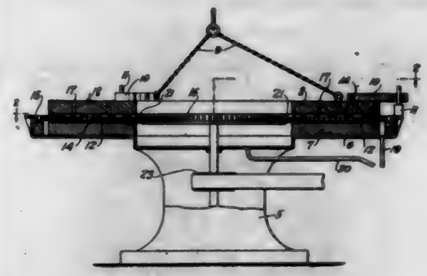
1,541,000. METHOD OF AND LOOM FOR PRODUCING REED, WICKER, AND SIMILAR FABRICS. FRANCIS B. RILEY, Newton, Mass., assignor to Heywood-Wakefield Company, Boston, Mass., a Corporation of Massachusetts. Filed Sept. 23, 1920. Serial No. 412,337. 3 Claims. (Cl. 139—28.)

1. In a loom or like machine for weaving a continuous longitudinal web of stake and strand fabric from reed, wicker or the like, a combined shedding and take-up means, consisting of cooperating pairs of rotary disks; each pair frictionally engaging a warp strand to feed it longitudinally, said disks having convex arcuate cam portions with reentrant slots, said convex portions alternating with and tangent to arcuate concave



portions, whereby at each feeding operation, an open shed is formed across the warp strands, and power actuated means for inserting weft stakes into each shed through the matching slots of said cam disks.

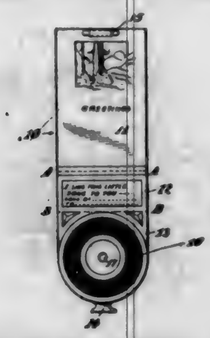
1,541,001. LAPPING MACHINE. RAYMOND R. SEARLES, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 4, 1920. Serial No. 428,238. 7 Claims. (Cl. 51—131.)



1. In a lapping machine, a pair of discs, a plurality of work carriers between said discs adapted to hold articles to be lapped, and means for moving said carriers between said discs and relatively thereto to cause each of said carriers to have a planetary motion.

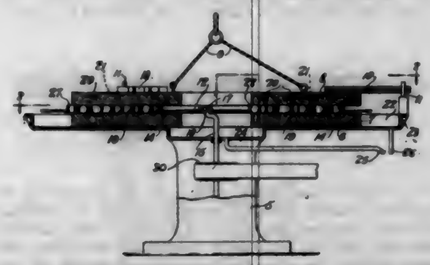
1,541,002. FOLDABLE FORM. LOUIS J. SHRAMEK, New York, N. Y. Filed Feb. 15, 1923. Serial No. 619,328. 3 Claims. (Cl. 274—42.)

3. In a foldable phonographic record carrying device, in combination, a foldable blank, a phonographic record fixedly attached to one face of the blank, a score line upon the blank allowing of the folding of the blank with the record concealed, a score line upon the blank allowing of the folding of the blank with the record exposed, an opening through the record and the blank to allow of the positioning of a phonograph pin therethrough, when the blank is folded with the record exposed, an extended member carried by one end portion of the blank and means carried by the other end portion



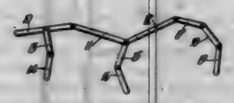
of the blank to engage the extended portion to produce a locking means when the blank is folded with the record concealed.

1,541,003. LAPPING MACHINE. JOHN W. SMITH, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Dec. 4, 1920, Serial No. 428,222. Renewed Nov. 21, 1924. 7 Claims. (Cl. 51—161.)



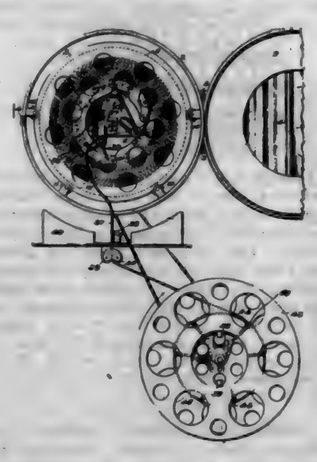
1. In a lapping machine, a pair of discs having spaced lapping surfaces, a work carrier between said discs, and means for effecting a relatively oscillatory movement between said carrier and said discs, said carrier being also rotatable about its own center, and said work carrier having a plurality of apertures for loosely holding articles to be lapped, with means for separating a group of the articles being operated upon, said separating means being thinner than the said articles.

1,541,004. ALPHABETICAL TOY. GRACEBEL TAYLOR, Puente, Calif. Filed Mar. 9, 1923. Serial No. 623,999. 6 Claims. (Cl. 35—1.)



1. A toy of the class described comprising a plurality of long and short bars; the long bars being pivotally joined together end to end, and the short bars being likewise pivotally joined together end to end, the said short bars being pivotally mounted in groups upon the long bars by pivotally joining one end of one of each group thereto; the whole being arranged to be manipulated to form letters of the alphabet and numerals from one to nine.

1,541,005. REEL FOR PICTURE MACHINES. JOSEPH K. E. TREVAS, Hancock, Mich. Filed Feb. 11, 1921. Serial No. 444,182. 2 Claims. (Cl. 88—18.7.)

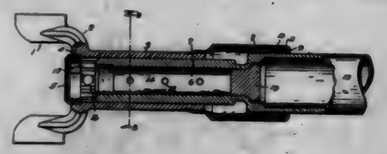


1. In a device of the character described, a magazine for the upper reel, rollers journaled in the magazine, a belt-ring adapted to ride on the rollers, a friction wheel journaled in the casing to operate the belt-ring, and means for communicating motion to said friction wheel.

1,541,006. PROCESS OF MAKING VEGETABLE MILK. GASTON D. THEVENOT, New York, N. Y. Filed June 11, 1923. Serial No. 644,796. 12 Claims. (Cl. 99—11.)

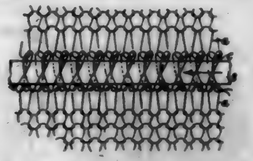
1. A method for the preparation of vegetable milk from soya beans comprising removing from the beans the outside husks, comminuting the beans to attain a fineness whereby the comminuted material may be substantially completely suspended or emulsified in water, and adding water thereto to form a suspension or emulsion.

1,541,007. SLIP-END SPLINE CONNECTION FOR UNIVERSAL JOINTS AND THE LIKE. WILLIAM H. THIEMER, Cleveland, Ohio, assignor to himself, Frederick W. Peters, and J. H. Wills, all of Cleveland, Ohio. Filed July 18, 1921. Serial No. 485,539. 5 Claims. (Cl. 64—89.)



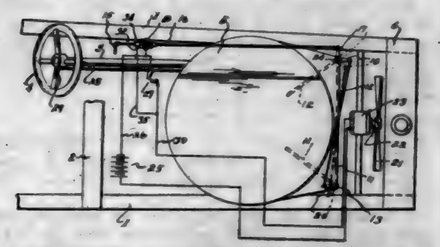
5. A slip-end spline connection comprising a hub closed at one end and provided with grooves extending longitudinally thereof, a shaft having a chamber at one end thereof, said end being slidably mounted in said hub and having ribs cooperating with said grooves, means for supplying lubricant to the space between the exterior of said shaft and the interior of said hub, and a casing secured at one end to the open end of the hub and having at its opposite end an inwardly directed annular flange, an annular collar within said sleeve and spaced from said flange, and packing material interposed between said collar and flange and adapted to engage said shaft.

1,541,008. HOSIERY. LOUIS TLUCKA, Paterson, N. J. Filed Aug. 18, 1924. Serial No. 732,754. 1 Claim. (Cl. 2—240.)



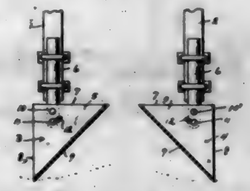
A knitted tubular fabric comprising two knitted tubular portions arranged edge to edge and whose courses substantially parallel each other and an attenuated element arranged between said edges and extending in a circumferential line of the fabric and formed of thread tied in knots at given intervals throughout its length, said element having its thread interlinked with successive loops of and along said edges of said portions and thereby joining the latter, in combination with a constricting attenuated elastic member extending in the same circumferential line as said element and held by the thread thereof at successive points.

1,541,009. STEAM-PROPELLED VEHICLE. OZE C. TRASK, Toronto, Ontario, Canada. Filed Apr. 20, 1923. Serial No. 633,563. 4 Claims. (Cl. 110—62.)



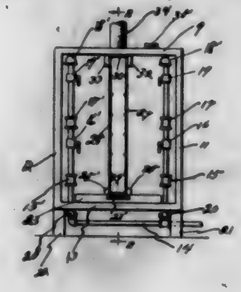
1. In combination, a boiler having a burner thereunder for heating the same, a chamber adapted to receive gases from said burner, a normally closed entrance into said chamber and means for opening said entrance, a fan adjacent said entrance whereby when said entrance is opened and said fan is operated, gases within said chamber that have accumulated from the use of the burner will be forced out.

1,541,010. CULTIVATOR SWEEP. STACHES T. VACEK, Richmond, Tex. Filed Feb. 9, 1924. Serial No. 691,829. 2 Claims. (Cl. 97—198.)



1. A sweep device for cultivators comprising a member including a shank disposed against the depending arm of a cultivator, clamping means engaging the shank and the arm for securing the shank in a rotatably adjusted position, a triangular blade having right angularly extending edges and a diagonal edge, means for pivotally connecting said blade at a point adjacent one of the right angularly extending edges and adjacent to the junction of said edges to the shank, and coacting means carried by the shank and blade for holding the blade in desired adjustment about its pivot.

1,541,011. BROILER. HARRY VALLOR, Detroit, Mich. Filed Aug. 6, 1923. Serial No. 655,929. 3 Claims. (Cl. 126—41.)



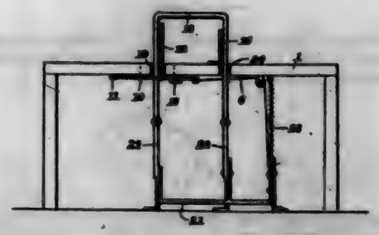
1. A broiler comprising a housing; a food retainer comprising a screen adapted for insertion into said housing; guide members spaced apart and projecting downwardly from the roof of said housing, said guide members being adapted for retaining said food retainer in upright position; a drip pan; and a guide member adapted for mounting in said drip pan, and for engaging the opposite sides said food retainer at its lower edge.

1,541,012. HOLLOW BLAST GRATE BAR. PAULUS J. A. VAN DEINSE, Greenville, Mich. Filed Oct. 31, 1922. Serial No. 598,162. 6 Claims. (Cl. 110—74.)



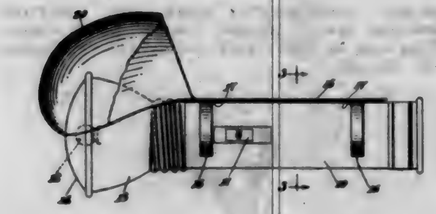
1. A hollow blast grate bar having an opening on its upper side leading from the interior thereof, in combination with a tuyère adapted to be seated in and partially close said opening, said tuyère being made up of two elements having air passages, one element seated on the wall of said opening and the other element seated on the first-mentioned element so that its upper surface is below the surface of the grate bar, both elements being held in position by gravity.

1,541,013. CELERY BUNCHER. BENJAMIN H. VETTER, Lynnhaven, Va. Filed Aug. 2, 1922. Serial No. 579,113. 4 Claims. (Cl. 100—31.)



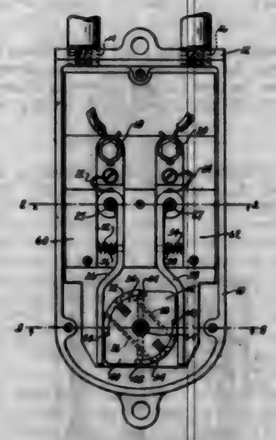
1. A vegetable buncher, a table, standards rising from the same, a sliding frame having guides in the table, standards connected to the sliding frame, means for operating the frame to compress the articles between the standards of the frame and table, and means to retract the frame after operation.

1,541,014. HAND ELECTRIC LAMP. EDUARD WAGNER, Wauwatosa, Wis. Filed Dec. 5, 1923. Serial No. 678,610. 3 Claims. (Cl. 240—8.4.)



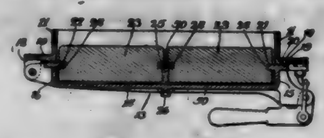
1. The combination with a portable electric lamp having a bulb at its end, of a flat level plate adapted for use as a writing surface, resilient arms on said plate engageable with the body of said lamp, and a reflector adapted to direct a portion of the rays of light from said lamp upon said plate.

1,541,015. ELECTRIC SWITCH. WILLIAM W. WEEKS, Brooklyn, N. Y., assignor to Elevator Supplies Company, Inc., a Corporation of New Jersey. Filed May 25, 1923. Serial No. 641,210. 6 Claims. (Cl. 200—155.)



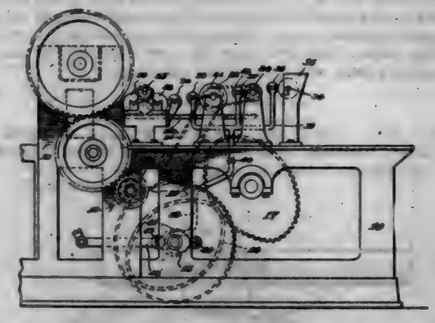
5. An electrical switch comprising a movable insulating member having diametrically opposite conducting portions thereon in the form of substantially circular segments, the said insulating member having nosed insulating portions between the said segments, conducting bars pivoted at one end and extending to contact with opposing sides of the said movable member so as to yield with movements of the said member, the said conducting portions being so placed on the said movable member as to break contact with the said bars substantially simultaneously, and the said nosed portions being so positioned as to cause the said bars to spread rapidly with a speed depending upon the speed of movement of the said movable member and the distance of the nosed portions from the pivoted ends of the said bar.

1,541,016. FURNACE DOOR. FRED ELIEL WERTHEIM, Chicago, and ARTHUR URL WETHERBEE, Evanston, Ill., assignors to William A. Gilchrist, New York, N. Y. Original application filed Dec. 21, 1922, Serial No. 608,333. Divided and this application filed Dec. 31, 1923. Serial No. 683,644. 6 Claims. (Cl. 110—173.)



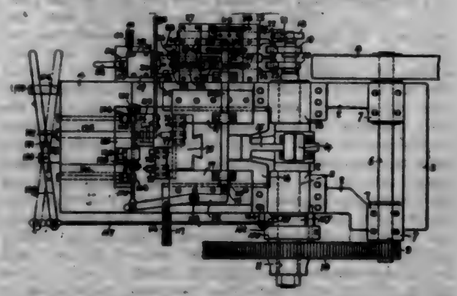
1. In a furnace door the combination of a body portion having ribs projected inwardly at each side, a lining composed of lateral sections having their outer edges in engagement with said ribs, and a key for securing the inner edges of said lining sections to said body portion, said key being releasable for permitting the removal of said lining.

1,541,017. PRINTING PRESS. RICHARD HENRY WILDER, Port Huron, Mich., assignor of one-half to William C. Bowen, Port Huron, Mich. Filed Jan. 19, 1922. Serial No. 530,236. 4 Claims. (Cl. 101—187.)



1. In the inking mechanism for a flat bed printing press, in combination with the ink fountain and fountain roller, form rollers, a series of rotatably mounted stationary and movable rollers adapted to pick up and convey the ink from the fountain rollers to the form rollers, and a rock frame carrying and simultaneously moving the movable rollers.

1,541,018. MACHINE FOR MAKING NUTS. ANDREW WOLFRAM, Pittsburgh, Pa. Filed Apr. 18, 1924. Serial No. 707,376. 14 Claims. (Cl. 10—72.)



1. Feeding mechanism for nut making machines comprising a pair of clamping members adapted to grip a stock bar between them, automatic means for reciprocating one of said clamping members toward and from

the other, automatic means for swinging said clamping members around a fixed axis to advance said stock bar, and means for permitting said clamping members to move about individual axes to maintain alignment with said stock bar during said swinging movement.

1,541,019. ROAD SKATE. EDWARD YOUNGMAN, Muskegon, Mich. Filed Jan. 4, 1923. Serial No. 610,551. 1 Claim. (Cl. 208—184.)

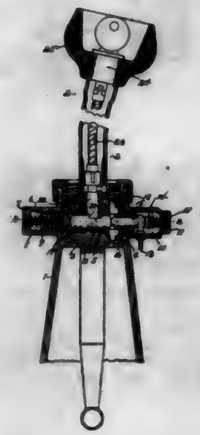


A device of the class described, comprising a long, narrow and relatively thin body of wood, a metal shoe connected to the under side thereof, a flat sheet metal plate formed with an upturned ear at its rear edge and with two oppositely extending ears at its sides located in the same plane with the plate, said plate being attached at the upper side of said body, a second plate of sheet metal attached to the upper side of the body in front of the first plate and formed with two oppositely extending ears at its sides located in the same plane with said second plate, said plates of sheet metal being of thin readily bendable stock whereby the said ears lying in the same planes therewith may be bent upwardly at any desired points, substantially as described.

1,541,020. SIGNALING DEVICE. WILLIAM E. ATTERBURY, Portland, Oreg. Filed Nov. 11, 1922. Serial No. 600,389. 1 Claim. (Cl. 116—39.)

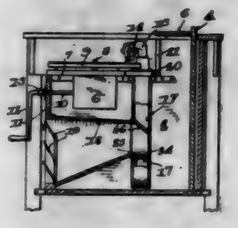
In a signaling device for automobiles, the combination of a horizontal tube extending from one side of the automobile to the other, a wall traversing the tube diametrically at the center, a second wall traversing the tube diametrically on each side of the center wall, said second wall delimiting an air tight compartment on each side of the center wall, and a piston reciprocating within each compartment, with a flat circular housing below the tube, the axis of said housing lying within the plane of the center wall, a flat circular disk rotating air tight in said housing, said disk having a crescent shaped section in the top edge cut away thus leaving an air tight chamber between disk and housing, a suction inlet entering the rim of the housing radially and communicating with the chamber, a suction outlet at the medial center line of the housing at each side of the inlet and normally communicating with the chamber, each suction outlet proceeding toward the tube and terminating in the compartment corresponding to the respective outlet and below the lowest piston inward stroke, a second suction outlet at the medial center line of the housing adjacent to the first named suction outlet and normally held closed by the rim of the disk, said second-named outlet crossing the plane of the center wall and terminating in the compartment on the opposite side above the highest piston outward stroke.

1,541,021. COMBINATION GEAR AND IGNITION SWITCH LOCK. ANDREW BACHLE, Detroit, Mich. Filed June 25, 1923. Serial No. 647,737. 11 Claims. (Cl. 70—127.)



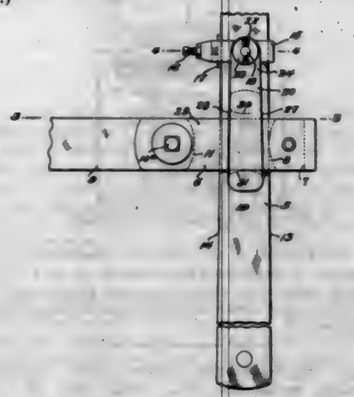
4. The combination with a lever, of means engageable with said lever for locking the same, an electric switch, and a member carried by and extending transversely of said lever for operating both said locking means and switch.

1,541,022. PHONOGRAPH. HENRY BARTEL, Milwaukee, Wis. Filed July 26, 1920. Serial No. 398,954. 3 Claims. (Cl. 274—2.)



3. A phonograph comprising the combination with a box-like cabinet, a horizontal shelf therein, and means supported from said shelf for rotating a record, of a wholly removable panel at the rear of said shelf and constituting an extension thereof, an amplifying horn portion permanently associated with the cabinet beneath said shelf, and a second amplifying horn portion of substantially a U-shaped contour associated with the removable panel and provided with an opening registering with said first mentioned horn portion, said second horn portion being of such a character that it can be withdrawn with the panel in a sliding movement through the opening left by said panel without disturbing the means for rotating the record.

1,541,023. PICKER CONNECTION FOR LOOMS. EMER A. BARTON, Philadelphia, Pa., assignor of one-half to Hugh W. Juby, Philadelphia, Pa. Filed Dec. 12, 1924. Serial No. 755,492. 7 Claims. (Cl. 139—154.)

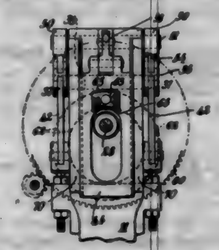


1. The combination with a picker stick of means providing a lateral pivot; a link on said pivot and depending adjacent the side surface of said picker stick, said link having a slot therethrough; and a lug strap embracing said picker stick and having a leg portion extending through said slot.

1,541,024. ATTACHMENT PLUG. REUBEN B. BENJAMIN, Chicago, Ill., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 30, 1919. Serial No. 334,476. 4 Claims. (Cl. 173—359.)

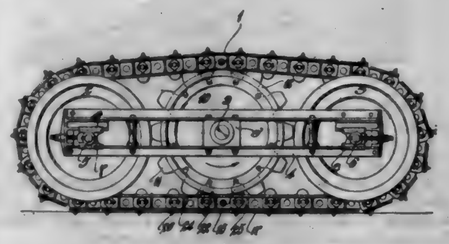
1. An attachment plug comprising an insulating portion having a non-circular recess in the lower side thereof, a shell-contact associated with said insulating portion, a center contact including a screw disposed longitudinally of said insulating portion, and extending therethrough, and a second insulating portion having a metallic member secured thereto for receiving said screw, said member corresponding in shape to said recess and entering the latter and engaging the walls thereof.

1,541,025. DRAWING PRESS. OTTO S. BAYER, Brooklyn, N. Y., assignor to E. W. Bliss Company, Brooklyn, N. Y., a Corporation of West Virginia. Filed June 30, 1922. Serial No. 571,952. 20 Claims. (Cl. 113—38.)



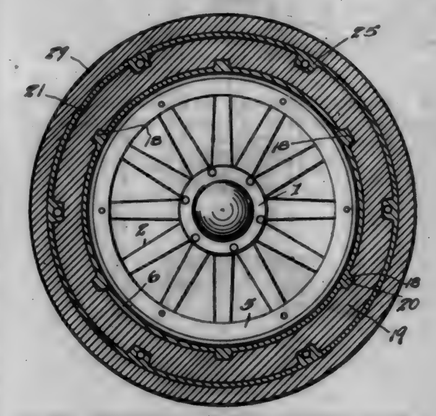
1. A drawing press comprising a blank-holder or die-carrying slide and means for reciprocating the same with a dwell in its movement, said means comprising two rocking parts at the same side of the press, and means comprising a rotary cam on the same side of the press as said rocking parts for simultaneously rocking said rocking parts.

1,541,026. TRACTOR MACHINE. ARTHUR R. BLEWETT, Tacoma, Wash., assignor to The Blewett Tractor Company, Tacoma, Wash. Filed Apr. 27, 1920. Serial No. 376,920. 3 Claims. (Cl. 305—8.)



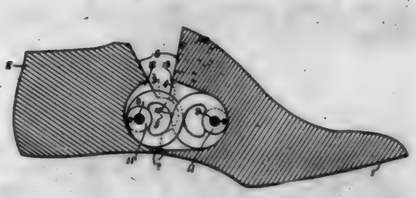
1. The combination with a track having bearing members, of a sprocket wheel adapted to co-act with said members, and a tread rim on said wheel to roll on the track and of the same diameter as the pitch diameter of the sprocket wheel.

1,541,027. TIRE. ROBERT BRUCE BROWN, Spokane, Wash. Filed Feb. 26, 1925. Serial No. 712,028. 1 Claim. (Cl. 152—86.)



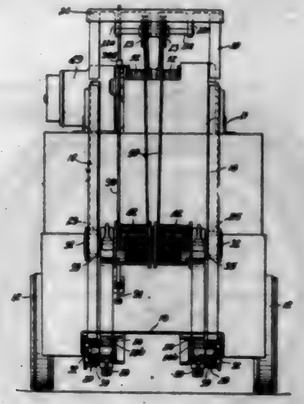
The combination with an outer rim having an inner retaining flange and a complementary removable retaining ring, of an inner rim having side flanges for co-action with the retaining flange and retaining ring, spaced transverse lugs on the inner periphery of the outer rim and means for securing said retaining ring to said lugs, a series of spaced transverse lugs on the exterior periphery of the inner rim, an annular cushion having staggered notches in its interior and exterior peripheries for co-action with said two series of lugs, a felloe and felloe ring, and means for securing the inner rim on said felloe ring.

1,541,028. LAST. GEORGE CLAUSING, Portsmouth, Ohio, assignor to The Vulcan Last Company, Portsmouth, Ohio, a Corporation of Ohio. Filed Mar. 26, 1924. Serial No. 701,986. 5 Claims. (Cl. 12—136.)



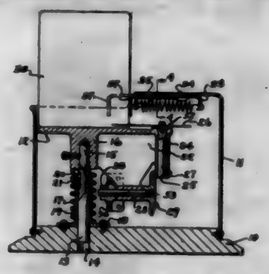
1. In a last, a toe part, a heel part, a joint to permit relative movement of said parties about a center, an S-shaped resilient link connecting said parts, and means for attaching said link to the respective parts.

1,541,029. INDUSTRIAL TRUCK. CLYDE E. COCHRAN, Cleveland, Ohio, assignor to The Elwell-Parker Electric Company, Cleveland, Ohio, a Corporation of Ohio. Filed Jan. 25, 1923. Serial No. 614,720. 34 Claims. (Cl. 187—11.)



17. In an industrial truck of the character described, an upright frame structure rigidly mounted on the frame of the truck, load lifting means associated therewith including an elevating platform, rack bars rigidly mounted on the upright frame structure, gear members coacting therewith and movable with the platform, power driven means rigidly mounted on the truck, power transmitting means associated with said last named means and with the load platform to impart rotation to said gear members associated therewith, whereby said gear members coact with the rack members to raise and lower said load lifting platform and means mounted on the load lifting platform for maintaining the rack and gear members in cooperative relation when the platform is moved.

1,541,030. PACKAGE SLITTER. MORRIS COHEN, New York, N. Y. Filed Oct. 3, 1923. Serial No. 666,265. 15 Claims. (Cl. 121—59.)



1. In mechanism of the character described, a package support, a rotatable knife carried by said support, and means operatively connecting said support and said knife whereby said knife is rotated on the movement of said support.

1,541,031. WATER-LEVEL REGULATOR. CHARLES J. DAVIDSON, Milwaukee, Wis. Filed Jan. 27, 1923. Serial No. 615,413. 7 Claims. (Cl. 137—101.)



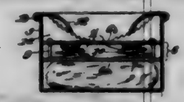
1. An automatic liquid level control mechanism comprising a chamber in which the liquid level may rise and fall; a substantially solid metal control member within said chamber adapted to displace and be buoyed up by said liquid; a substantially solid metal counterbalancing member; differential connections between said members whereby they may move in opposite directions relative to one another in response to the rise and fall of said liquid level; and a valve carried by one of said members for directly controlling the admission of feed liquid, to maintain said level substantially constant.

1,541,032. FISH BAIT OR LURE. EDWARD J. DUMOUCHEL, Kalamazoo, Mich., assignor to Shakespeare Company, Kalamazoo, Mich. Filed July 16, 1924. Serial No. 726,282. 7 Claims. (Cl. 43—47.)



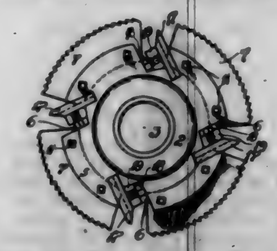
1. A fish bait or lure comprising a longitudinally bowed body of metal finished to provide reflecting surfaces, and a wire net wrapped about said body with parts of the body projecting at the front and rear, the ends of the net being secured by external wrappings.

1,541,033. HAM-BOILING FORM. JOHN EASKES, Cedar Rapids, Iowa. Filed Nov. 10, 1923. Serial No. 674,936. 2 Claims. (Cl. 100—57.)



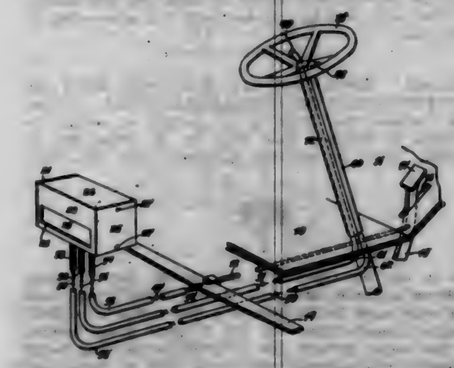
2. A ham-boiling form, comprising a rectangular, open-topped, parallel-sided container, a follower fitting closely but slidably therein, the follower having top and bottom plates with interposed, closely collapsible springs and bosses for positive engagement of the plates when fully collapsed, the upper plate of the follower having outwardly and upwardly inclined serrated ribs, and pawls pivoted thereover to the top of the container.

1,541,034. ROTARY CUTTER. OSCAR G. EDMOND, Spokane, Wash., assignor of one-half to White Pine Sash Company, Spokane, Wash. Filed June 9, 1924. Serial No. 718,786. 6 Claims. (Cl. 144—223.)



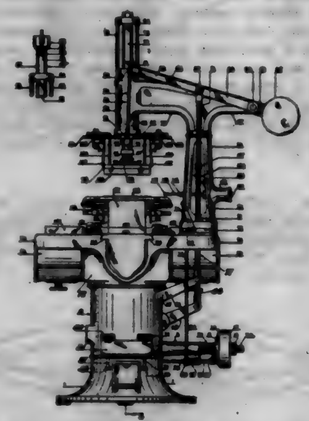
1. The combination with a rotary head having an exterior annular groove and a retaining flange formed thereby, of a saw section and a saw plate in the groove, retaining means on the plate for engaging the section, and retaining means supported in the flange for engaging the plate.

1,541,035. SIGNAL FOR AUTOMOBILES. GUY J. EVANS, Buffalo, N. Y. Filed Aug. 17, 1923. Serial No. 657,917. 2 Claims. (Cl. 116—44.)



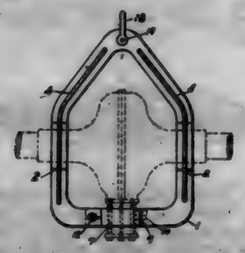
1. A signal for automobiles etc., comprising a casing provided with a sight opening, an indicator member arranged in said casing and movable into and out of a position across said opening, a return member movable normally into its operative position, manually operated means for moving said indicator member across said opening, and automatic means for moving said indicator member out of line with said opening when the return member moves to its normal position, comprising a flexible controlling member having its ends fixed while its intermediate part is operatively connected with said return member and indicator member and adapted to have portions thereof deflected into loops upon moving said members relatively to one another.

1,541,036. BOX-COVERING MACHINE. THEODORE A. FREDERWITZ and WALTER T. BAILEY, Philadelphia, Pa., assignors to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 22, 1923. Serial No. 647,012. 46 Claims. (Cl. 93—54.)



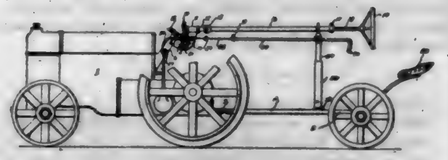
1. In a box-covering machine, the combination with a support, of a unit adjustable to different positions thereon, said unit comprising cam structure, a tool controlled thereby, and a gear for driving said cam structure, and a driving shaft for said unit along which said gear is adjustable by adjustment of said unit upon said support.

1,541,037. DRIVE-AWAY TOWING FIXTURE. WALTER P. FLEMING, Highland Park, Mich. Filed May 5, 1923. Serial No. 636,912. 2 Claims. (Cl. 280—33.44.)



1. A towing fixture of the character described comprising a cast metal frame for encircling the gear housing in the axle, said frame having one V-shaped end formed thereon, U-sockets formed in opposite sides of the frame for receiving the axle shaft housing therein, said U-socket formed and arranged for hooking over the axle shaft housing and to bring the main frame about the central portion of the axle shaft, a U-bearing formed in one end of the frame to receive the drive bearing housing therein, a hinged clamp attached to the said U-bearing for clamping the casting on the drive gear housing, means for firmly holding the hinge clamp in place against the bearing housing and means for attaching the steering bar of the towing device to the rear end of the fixture.

1,541,038. VEHICLE CONTROL. CLYDE M. FORD, Dearborn, Mich. Filed July 31, 1922. Serial No. 578,615. 1 Claim. (Cl. 180—77.)



A device of the class described, comprising a somewhat U shaped member adapted to partially encircle the steering post of a motor vehicle, a member engaging the ends of said first member and rigidly securing the same to said post and having arms extended therefrom adapted to support one end of an extension gear shift control and an extension clutch control, and a rearward extension on said U shaped member adapted to rigidly support one end of an extension steering device.

1,541,039. BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich, assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,145. 9 Claims. (Cl. 293—55.)



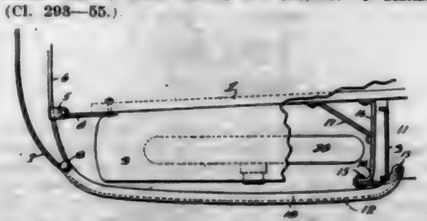
8. A bumper having an impact section comprising external upper and lower bars having their intermediate portions vertically spaced and intermediate upper and lower bars having their intermediate portions vertically spaced from each other and from the first mentioned bars, and means for supporting the ends of said impact section for attachment to a vehicle frame.

1,541,040. BUMPER. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed July 23, 1923. Serial No. 653,146. 7 Claims. (Cl. 293—55.)



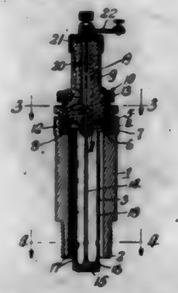
1. A bumper comprising attaching members and an impact section connecting such members, said impact section comprising an upper and a lower bar having their central portions vertically spaced, with the end portions of each bar converging toward the end portions of the other bar, a pair of intermediate bars interposed between the first mentioned bars and each having a central portion extending substantially parallel with the central portion of the first mentioned impact bar adjacent thereto, each of the intermediate bars having portions on each side of the central portion which are bent toward corresponding portions of the opposed intermediate bar, and each intermediate bar having portions extending outwardly from the last mentioned portions and substantially parallel with corresponding portions of the other intermediate bar, and means connecting the ends of the impact bars together and to the corresponding ends of the said members.

1,541,041. FENDER GUARD. CHRISTIAN GIRL, Kalamazoo, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 9, 1923. Serial No. 656,619. 5 Claims. (Cl. 293—55.)



1. The combination, with a fender of a vehicle, of a guard for said fender spaced from the lateral edge of the fender and conforming in curvature thereto, and means for supporting said guard.

1,541,042. SPARK PLUG. EDWARD S. GORMACK, Chicago, Ill. Filed Oct. 6, 1922. Serial No. 592,735. 5 Claims. (Cl. 123—169.)



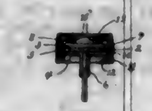
1. A spark plug, comprising a tubular metal body, a metal shell extending into said body through its upper end and having removable connection therewith, said shell being spaced from said body below its connection therewith and having its lower end at the lower end of the body, said shell being provided adjacent its lower end with a double set of apertures, one set above the other, an insulating core carried by said shell at its upper end, and an electrode carried by said core and extending into said shell to said apertures and surrounded by said shell.

1,541,043. RESILIENT CAP FOR THE KEYS OF TYPEWRITERS OR SIMILAR MACHINES. ROBERT S. GRAHAM, New York, N. Y., assignor of one-half to Willis M. Follmer, New York, N. Y. Filed Feb. 6, 1924. Serial No. 690,899. 2 Claims. (Cl. 197—103.)



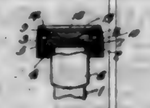
1. A cap for typewriter and similar keys provided with an upwardly extending circumferential ridge, said cap being made in the form of a hollow disk of slightly smaller diameter than the key, a guide flange secured to the bottom of said cap to facilitate the same being stretched over said key, the top of said cap being provided with side and end cushion members, said side members being broader than said end members, and an opening in the top of said cap surrounded by said cushion members, the top of said cap being arranged to rest upon the ridge portion of said key, the central portion of the top of said cap being spaced away from the top of the central portion of said key.

1,541,044. RESILIENT CAP FOR THE KEYS OF TYPEWRITERS OR SIMILAR MACHINES. ROBERT S. GRAHAM, New York, N. Y., assignor of one-half to Willis M. Follmer, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,517. 1 Claim. (Cl. 197—103.)



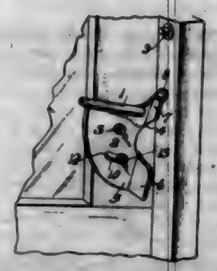
A cap for typewriter and similar keys arranged to be removably secured thereto, the top of said cap being provided with side and end cushion members surrounding an opening, the inner edges of said side and end cushion members adjacent said opening being undercut as and for the purposes set forth.

1,541,045. RESILIENT CAP FOR THE KEYS OF TYPEWRITERS OR SIMILAR MACHINES. ROBERT S. GRAHAM, New York, N. Y., assignor of one-half to Willis M. Follmer, New York, N. Y. Filed May 17, 1924. Serial No. 713,941. 2 Claims. (Cl. 197—103.)



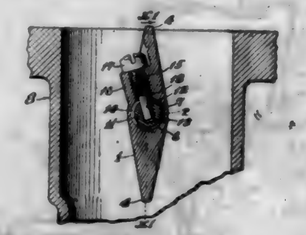
1. A resilient cap for typewriter and similar keys provided with an upwardly extending circumferential ridge, said cap being made in the form of a hollow disk having a top opening, side cushion members adjacent said top opening, and supports secured to said side cushion members, said cushion members and supports being tapered from the edge of said top opening inward toward the ridge of said key as well as being tapered in opposite directions along the side of said opening, said supports being arranged to engage the top of said key when the cap is forced over the top of said key.

1,541,046. COMBINED SASH LIFT AND WINDOW LOCK. GEORGE R. HALL, Dayton Township, Newaygo County, Mich. Filed Apr. 23, 1923. Serial No. 633,967. 2 Claims. (Cl. 292—202.)



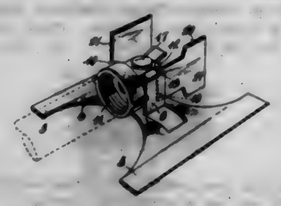
1. In a combined sash-lift and window-lock, the combination of a hand-hold of suitable size and shape for convenient and effective use as a sash-lift, a pivotal base, a narrow-faced locking bolt adapted to engage a special stop to lock the window down, a broad-faced locking bolt adapted to engage a series of regular stops to lock the window in position when raised; all shaped and united to form a single operating unit pivotally mounted upon the face of the sash-bar in combination with a limiting stop limiting its motion, whereby it is adapted and made to serve the double purpose of a sash-lift and locking bolt.

1,541,047. DOUBLE-BEARING THROTTLE. ROBERT H. HART, Los Angeles, Calif., assignor to The Ensign Carburetor Company, Los Angeles, Calif. Filed Apr. 3, 1923. Serial No. 629,736. 5 Claims. (Cl. 251—11.)



1. The combination with a throttle tube, of a bearing tube extending thereacross; a throttle plate journalled on the bearing tube; a throttle shaft inside the bearing tube; and means fixing the throttle plate to the throttle shaft.

1,541,048. LAWN SPRINKLER. EDWARD HAUBISEN, Cleveland Heights, Ohio. Filed Jan. 25, 1924. Serial No. 688,438. 5 Claims. (Cl. 299—74.)



1. A lawn sprinkler comprising a cap member having an inlet and a discharge opening, a substantially cone-shaped spreader head arranged in the discharge opening, a pair of transversely alined pintles formed upon opposed vertical faces of the cap member, and a pair of vertically disposed parallel deflectors mounted upon the pintles.

1,541,049. HARNESS TRACE. EWALD F. HEISER, Denver, Colo. Filed Oct. 14, 1924. Serial No. 743,518. 2 Claims. (Cl. 54—32.)

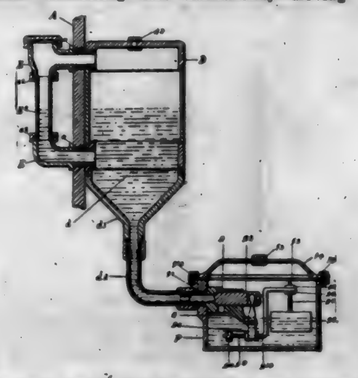


2. A trace whose end portion comprises an inner assembly comprising a metal plate having a cylindrical portion intermediate its ends, the ends of said plate being disposed radially of the cylindrical portion, a strip of leather extended around the cylindrical portion and attached at its ends to said first mentioned strip, and an outer assembly comprising a strip having its end portion terminating adjacent the cylindrical portion, and a second strip having its end portion extended around the inner assembly and overlapping the end of the other strip forming the outer assembly.

1,541,050. AUTOMATIC OIL FEED. LEO J. HINDLE, Lowell, Mass. Filed Jan. 13, 1921. Serial No. 436,915. 1 Claim. (Cl. 184—103.)

The combination of a crank case, a main reservoir, an auxiliary reservoir at a lower level, a pipe leading to

the auxiliary reservoir, a horizontally moving valve closing the opening to said pipe, a float, a lever control mechanism connecting said horizontally moving valve



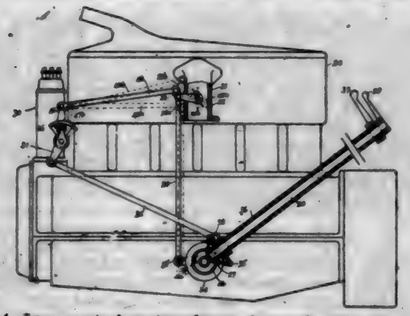
with the float, one of said levers being bent and provided at one end with a counterweight and at the other end with a vertical screw adjustment for the float.

1,541,051. BOBBIN CASE FOR SEWING-MACHINE SHUTTLES. EDGAR D. HUMM, Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn., a Corporation of Maine. Filed June 10, 1922. Serial No. 567,276. 4 Claims. (Cl. 112—233.)



1. A bobbin case comprising a base composed of a circular body and an annular wall portion; a central post fixed to the base body; a latch pivoted to the post; and a cap composed of an annular wall portion and a head which is apertured to receive the outer end of the post, and is provided with an annular inwardly projecting boss forming a latch-receiving depression, the said base and cap forming a chamber in which a bobbin is rotatable on the post; combined with a flat-sided discoidal inner head frictionally engaged with the annular wall portion of the cap, in position to bear on and guard the outer end of a ready wound bobbin, said inner head having a central post-receiving aperture and being of such diameter that it overhangs the periphery of the bobbin; and means for pressing the bobbin against the inner head.

1,541,052. ENGINE CONTROL. JOHN H. HUNT, Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company, a Corporation of Ohio. Filed Mar. 27, 1919. Serial No. 285,660. 5 Claims. (Cl. 123—99.)



4. In a control system for an internal combustion engine having a throttle valve and an ignition timer, in combination, three individual systems for controlling said timer which are cumulatively operable to advance or retard said timer, including first, an engine speed controlled system, second, a system controlled by the throttle valve piston, and third, a manually controlled system.

1,541,053. BUMPER. HERBERT S. JANDUS, Detroit, Mich., assignor to The C. G. Spring & Bumper Company, Detroit, Mich., a Corporation of Delaware. Filed Aug. 20, 1924. Serial No. 733,135. 7 Claims. (Cl. 293—55.)



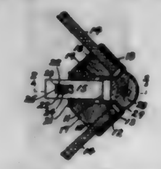
1. A bumper comprising a bar adapted to be fastened to the rear of a vehicle, an upper and a lower bar secured at their ends to, and respectively above and below, the corresponding ends of the first mentioned bar, the said upper and lower bars projecting outwardly and forwardly from such ends, and arms connecting the outer ends of said upper and lower bars to the sides of the vehicle.

1,541,054. ABSORBENT SHIELD FOR GARMENTS. RICHARD KAMM, Chicago, Ill. Filed July 5, 1922. Serial No. 572,772. 6 Claims. (Cl. 2—53.)



3. A shield for the armscye of a garment, the same comprising an absorbent sheet part for insertion in the body of the garment, an outer waterproof flap for insertion in its sleeve, and a waterproof flap inside only of said absorbent part, for insertion in the body of the garment; said absorbent part being secured to said flaps along its upper edge and projecting beyond the lower edge of the inner flap and being also attached to said inner flap below its own upper edge.

1,541,055. MOUNTING FOR STORE WINDOWS. MARTIN KATZ, Brooklyn, N. Y. Filed Sept. 20, 1924. Serial No. 738,908. 6 Claims. (Cl. 20—56.3.)



1. In a window setting, a connection comprising a body member having a projecting flange disposed to engage an outer face of the glass, a tongue projecting inwardly from said body member, a clamp member arranged to engage the inner face of the glass and provided with a perforation adapted to receive said tongue, and clamping means operating through said tongue and clamp to urge the glass against the flange of said body member.

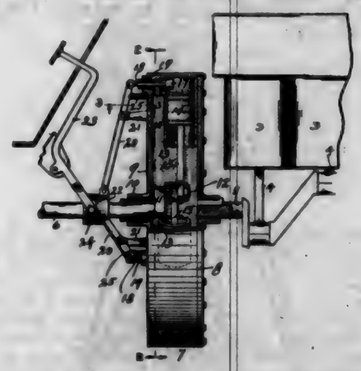
1,541,056. SELF-LOCKING SPRING. ABRAHAM KRAKAUER, New York, N. Y. Filed Dec. 12, 1923. Serial No. 680,086. 5 Claims. (Cl. 5—264.)

1. In a spring seat, a cross bar having apertures therein, comprising a pair of webs and a flange connecting said webs, a coil spring, and a lowermost coil on said spring having a portion thereof passed through the apertures in said bar and forced in the direction of the axis of said spring away from the position said portion would normally assume if free into axially sprung engagement with one of said webs, whereby that part of said coil above and not passed through said apertures engages said flange under pressure.



5. The method of causing a coil spring to lock itself into place comprising the insertion of the end of said spring through a pair of holes in a cross bar, and then forcing said end in a direction axially of said spring out of the position same end would normally assume if free, and into axially sprung engagement with said cross bar.

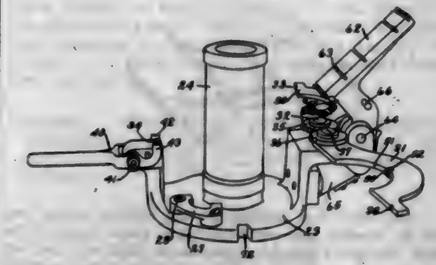
1,541,057. MOTOR-VEHICLE CLUTCH. STACY C. LAMBERT, Clayton, Ind., assignor of one-half to Albe R. Marley, trustee, Clayton, Ind. Filed June 7, 1920. Serial No. 387,130. 2 Claims. (Cl. 192—60.)



1. A crank-shaft, a drum fixed to the crank-shaft and filled with liquid oil, a propeller-shaft entering the drum and having a crank, one or more cylinders fixed within and to the drum, pistons in the cylinders, rods connecting the pistons with the crank on the propeller-shaft a port-communication between each cylinder and the drum-interior having an outwardly tapering valve-seat, a tapering valve for each seat through which port the cylinder is charged and discharged, automatic seating means for each valve comprising a pivoted lever with which the valve is connected, and a spring to appropriately move the lever, said lever and spring being externally of the drum, and manually operated means for moving the lever in opposition to the spring comprising a sleeve sliding on the propeller shaft to which sleeve the valve connected levers are attached and means operated manually for sliding the sleeve.

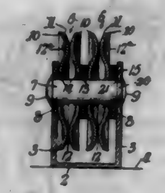
1,541,058. ASSEMBLY FIXTURE. CHARLES L. LEE, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 2, 1923. Serial No. 629,404. 16 Claims. (Cl. 113—99.)

1. Apparatus for the manufacture of finned cylinders comprising, in combination, a support adapted to receive a cylinder, means for locating the cylinder with respect to the support in a predetermined relation, means for



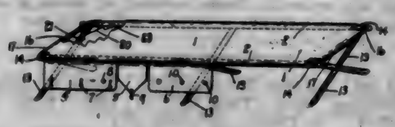
supporting fin material about the cylinder, and means for locating the fin material with respect to the cylinder in a predetermined relation.

1,541,059. SHEAR AND KNIFE SHARPENER. FRED A. LEIGH, Chicago, Ill. Filed Dec. 22, 1923. Serial No. 682,140. 7 Claims. (Cl. 76—87.)



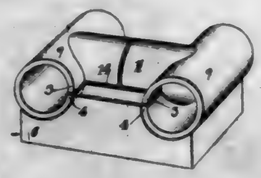
1. In a sharpener of the character described, the combination of a base, a plurality of disc like cutters carried by the base and having their peripheral edges aligned, said cutters each having a portion of its body between its center and one peripheral edge bulged out of the normal plane of the disc to bring one of the peripheral edges of the disc inward of the other so that the outermost peripheral edge may form the cutting edge of the disc.

1,541,060. CONVERTIBLE COT AND PACK BAG. SAMUEL D. MARTIN, Grand Junction, Colo. Filed Nov. 20, 1922. Serial No. 602,249. 3 Claims. (Cl. 224—9.)



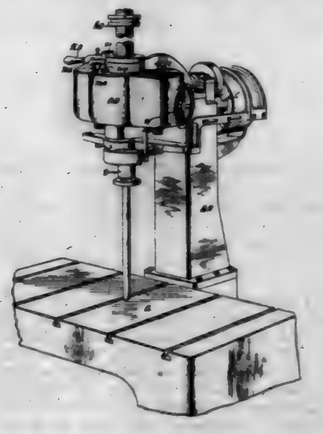
1. In combination, a sheet provided at opposite side edges with spaced flaps arranged to form the ends of a pack when the sheet is folded, side rails connected to said sheet and formed of hinged sections, foldable with the sheet to form said pack, and supporting legs detachably connected to said side rails, for holding the sheet and side rails in elevated position.

1,541,061. MAKING COUPLINGS AND SIMILAR OBJECTS. THOMAS E. MURRAY, Brooklyn, N. Y. Filed May 26, 1922. Serial No. 563,943. 3 Claims. (Cl. 219—10.)



1. The method of making tubular articles which consists in bending opposite edges of a blank to meet the blank at intermediate points so as to form two of such articles connected alongside of each other, welding said edges to the intermediate points of the blank and separating the articles thus formed.

1,541,062. MACHINE TOOL. JOSEPH W. MYERS, Jackson, Mich., assignor to Hinckley-Myers Company, Jackson, Mich., a Corporation. Filed June 27, 1921. Serial No. 480,520. 7 Claims. (Cl. 77—2.)

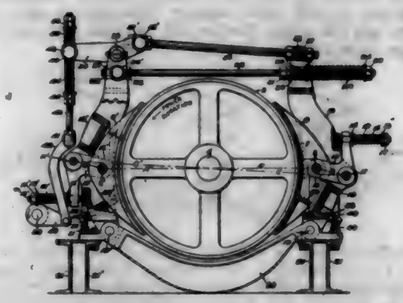


1. In an apparatus of the kind described having a threaded boring bar provided with a longitudinal key-way, a power receiving gear wheel sleeved upon said bar and engaging in said key-way, a second gear wheel sleeved upon said bar and having interior threads engaging the threads of said bar, means for engaging said gear wheels together so as to secure differential movement, and automatic means adapted to disengage said gear wheel at a definite position of said boring bar.

1,541,063. BRAKE MECHANISM. ALMON E. NORRIS, Brookline, Mass. Filed Oct. 26, 1922. Serial No. 597,027. 30 Claims. (Cl. 188—82.)

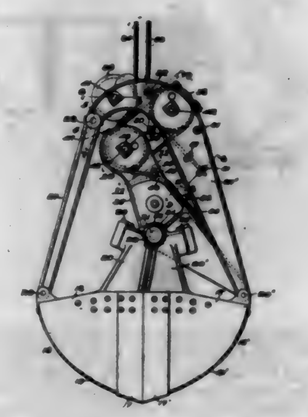
1. In a brake mechanism, the combination of a brake-drum, a friction brake therefor, means cooperating with said brake normally to permit rotation of said brake-drum in one direction but to resist rotation in the opposite direction, and means for moving the first-mentioned means bodily at will to permit rotation in said opposite direction.

24. In a brake mechanism, the combination of a brake-drum, a friction brake therefor, brake applying means cooperating with said brake normally to permit rotation of said brake-drum in one direction, but to resist rotation in the opposite direction, and auxiliary brake-applying



means adapted to be brought into effect by intervention of the operator to cause said brake to be applied with a greater degree of force than that which is afforded by the first-mentioned brake-applying means.

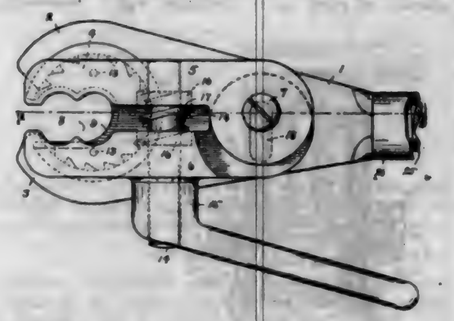
1,541,064. GRAB. ALMON E. NORRIS, Brookline, Mass. Filed July 11, 1923. Serial No. 650,818. 7 Claims. (Cl. 37—184.)



1. A grab comprising, in combination, a pair of hinged jaws, supporting means therefor, a holding rope attached to said supporting means, a closing arm carried by one of said jaws, a closing rope, and means providing for arrangement of said closing rope for two, three, four and five part purchases.

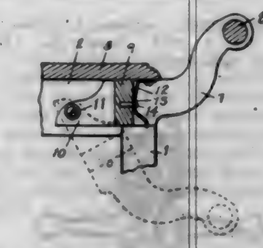
1,541,065. WRENCH. CHARLES S. OLSON, Duluth, Minn. Filed Oct. 27, 1923. Serial No. 671,268. 1 Claim. (Cl. 140—119.)

A wrench of the character described having a head, an open sided hub-like saw tooth ratchet mounted within the head the hub portion of said ratchet being stepped to rotatably register with a like stepped portion in the head of the wrench, a removable holding plate on the extreme end of that portion of the hub extending into the head of the wrench, a gripping jaw formed integral with the end of the hub externally of one side of the head of the wrench, and a second jaw adjustably carried in parallel relation to and by the first mentioned jaw, and a spring controlled pawl mounted longitudinally of



and within the head, and operable from that side of the head opposite the gripping jaws for releasing the ratchet.

1,541,066. SERVING TABLE. JOHN H. PAALMAN, Grand Rapids, Mich. Filed Aug. 6, 1923. Serial No. 656,014. 2 Claims. (Cl. 45—17.)



2. In a serving table, the combination of corner uprights, side rails connecting said uprights, a top secured upon said side rails and uprights, a handle comprising a pair of supporting arms having a handpiece at their outer ends and a cross piece adjacent their inner ends, said supporting arms being pivoted on the inner sides of said side rails to swing against the under side of the table top or to be collapsed between the adjacent uprights, a pin on said cross piece, and a spring catch mounted on the under side of the table adapted to automatically engage said pin when the handle is swung to erected position, the outer end of said latch being offset to provide a fingerpiece for releasing the latch.

1,541,067. REED HOLDER FOR ACCORDIONS. JAMES PALMER, Philadelphia, Pa. Filed Sept. 22, 1922. Serial No. 589,807. 3 Claims. (Cl. 84—360.)

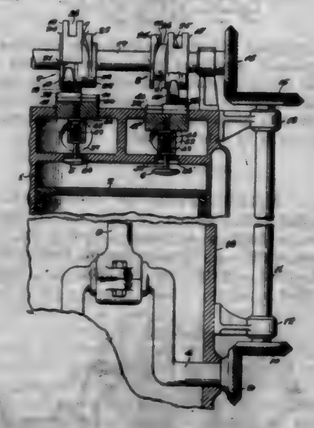


2. A reed holder for accordions consisting of a one-piece casting including a face plate and a pocket-forming part, the face plate having rows of apertures and extended ends for attaching the holder, and the pocket-forming part having a central partition between the rows of apertures, and parallel transverse partitions between the apertures and integral with the central partition, the partitions being integral with the face plate and forming the pockets one end of each pocket communicating with an aperture.

1,541,068. PROCESS FOR THE MANUFACTURE OF ALUMINUM CHLORIDE. HARRY L. PELSER and EUGENE C. HERTHEL, Chicago, Ill. Filed Jan. 15, 1923. Serial No. 612,791. 8 Claims. (Cl. 23—93.)

1. A process for the production of aluminum chloride which consists in heating aluminum in the presence of the chloride of a metal having a less affinity for chlorin than aluminum at high temperatures to a reacting temperature and separating the aluminum chloride formed from the residue.

1,541,069. FOUR-CYCLE INTERNAL-COMBUSTION ENGINE. GALEN H. PETERS, Los Angeles, Calif. Filed Jan. 16, 1923. Serial No. 612,989. 7 Claims. (Cl. 123—93.)



7. Valve operating mechanism substantially set forth comprising a cam, having a cylindrical limb and a wiper; an eccentric strap mounted on said cam and adapted to be carried by said limb to hold the valve closed, and to be reciprocated by said wiper to open the valve; said eccentric strap being slotted to accommodate said limb when the wiper moves the eccentric strap to open the valve.

1,541,070. MOVING PLATFORM. HENRY S. PUTNAM, New York, N. Y., assignor to Continuous Transit Company, New York, N. Y., a Corporation of Delaware. Original application filed May 15, 1922, Serial No. 561,184. Patent No. 1,437,549, dated Dec. 5, 1922. Divided and this application filed Sept. 30, 1922. Serial No. 591,439. 4 Claims. (Cl. 104—25.)

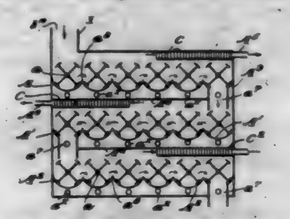


1. An endless moving platform comprising cars each having wheels only at one end, the wheels of the respective cars being fixed thereto as regards angular movements, and each car at its other end having a part overlapping and pivotally supported from the wheeled end of the respective adjacent car, said cars having floors making up a continuous platform and provided with arcuate mating portions permitting relative angular movements between the floors of adjacent cars.

1,541,071. DISTILLATION APPARATUS. PIERO MARIANO SALMONI, London, England, and EDOARDO MICHELE SALMONI, Paris, France. Filed July 16, 1924. Serial No. 726,360. 1 Claim. (Cl. 202—9.)

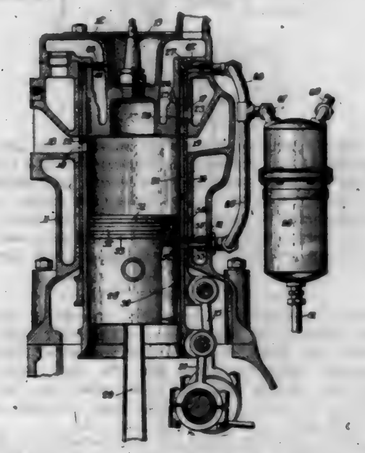
An apparatus for the distillation of carbonaceous material comprising a casing having inlet and outlet open-

ings, a set of superimposed troughs positioned in said casing, each set having a series of horizontal rows of troughs open at the top and arranged to contact side by side in the same horizontal plane, said troughs being corrugated to allow expansion and contraction thereof



in a longitudinal direction, a rotatable agitator in each of the troughs, discharge means for drawing off separately the volatile constituent yielded up in each of the horizontal series of troughs, means for extracting dust in each of said discharge means, and a separate heating device for each of said troughs.

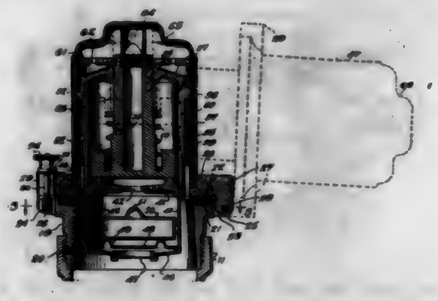
1,541,072. SLEEVE TYPE OF INTERNAL-COMBUSTION ENGINE. RALPH L. SKINNER, Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif., a Corporation of California. Filed Dec. 8, 1922. Serial No. 605,565. 13 Claims. (Cl. 123—196.)



1. In an internal-combustion engine, the combination of a cylinder having a port in its side-wall, an externally channeled piston reciprocatory in said cylinder, means to apply suction to said cylinder-port, a sleeve between said piston and cylinder having a port cooperating with said cylinder-port and with the piston channel means to reciprocate said sleeve, and means to supply lubricant to said cylinder, piston and sleeve.

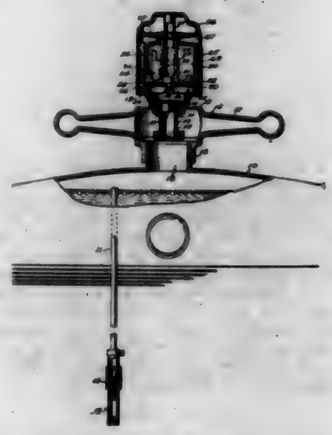
1,541,073. INDICATOR. ALFRED L. SOHM, Chicago, Ill. Filed Sept. 12, 1924. Serial No. 737,376. 8 Claims. (Cl. 116—108.)

3. A device of the character described comprising a substantially cylindrical supporting member adapted to communicate with the interior of an automobile radiator, a base member arranged over said supporting member and forming a substantial closure therefor, said base member being provided with a central aperture, a pressure chamber arranged above said base member and communicating through the aperture therein with the interior of said supporting member, a movable member arranged in said pressure chamber and adapted to be actuated by fluid pressure therein, said movable member having a portion adapted to serve as an indicator, and a condensing



chamber surrounding said pressure chamber, said base being provided with a second aperture affording communication between said condensing chamber and the interior of said supporting member.

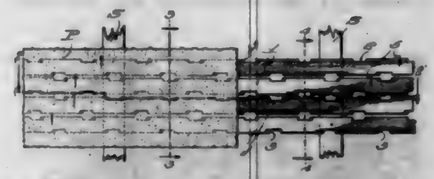
1,541,074. INDICATOR. ALFRED L. SOHM, Chicago, Ill. Filed Oct. 2, 1924. Serial No. 741,291. 4 Claims. (Cl. 116—109.)



2. The combination with a radiator of a motor vehicle, of a member divided by a partition to form upper and lower chambers, said partition being provided with a valve seat normally affording communication between said chambers, a signal adapted to be operated by a predetermined increase in pressure in said upper chamber, said lower chamber communicating with the interior of the radiator, a float valve mounted in said lower chamber and adapted to engage said seat, and an annular plate surrounding said valve and slightly spaced therefrom.

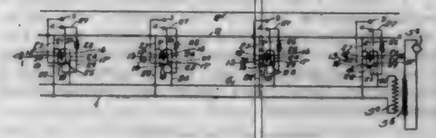
1,541,075. LATH. FRED M. SPAID, Van Wert, Ohio. Filed Jan. 9, 1924. Serial No. 685,224. 2 Claims. (Cl. 72—116.)

1. A lath comprising an elongated flat strip of wood having shallow elongated notches in its opposite edges, the end walls of each notch being substantially parallel with each other but oblique to the length of the lath,



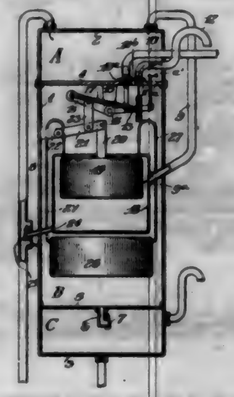
the end walls of the notches at one edge of the lath being disposed in planes at an angle to the end walls of the notches at the other edge of said lath.

1,541,076. ELECTRIC RAILWAY. JOSEPH B. STRAUSS, Chicago, Ill. Filed July 31, 1915, Serial No. 42,961. Renewed Oct. 14, 1920. Serial No. 417,016. 11 Claims. (Cl. 191—14.)



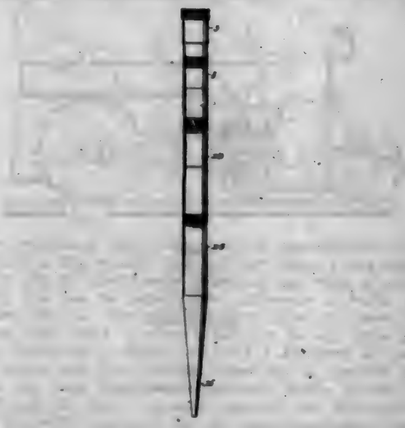
2. An electric railway system comprising a track, a series of separated feed contacts extending along said track, a series of separated exciter contacts also extending along said track, feed wires extending along said track, a series of mercury rectifiers at intervals along said track, one for each feed contact, said rectifiers electrically connected with said feed wires, each rectifier electrically connected with one feed contact and one exciter contact.

1,541,077. FLUID-MEASURING APPARATUS. ADOLPH STUBER, Rochester, N. Y. Filed June 26, 1919. Serial No. 306,976. 16 Claims. (Cl. 103—236.)



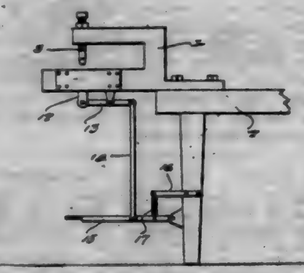
1. The combination with a measuring chamber having a source of fluid supply connected thereto, a receiving chamber in communication therewith and a valve controlling said communication, of a receptacle having communication with the measuring chamber, means for opening and closing the valve controlled by fluid in the receptacle and means for creating a partial vacuum in the receptacle to draw fluid into the measuring chamber and thence into the receptacle.

1,541,078. PUNCH. JONATHAN SUDWEEKS, Ephraim City, Utah. Filed Feb. 27, 1923. Serial No. 621,614. 2 Claims. (Cl. 81—3.)



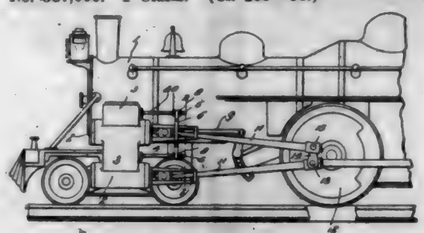
1. A tool of the character described consisting of a head section and a plurality of partially tubular sections, the head section having a conical screw-threaded projecting portion, a shoulder about said threaded portion and a tool which extends from said threaded portion, a member for attachment to the head section having a recess of a size to receive the aforesaid mentioned tool, said recess being internally screw-threaded for engagement with the conical threads of the head section, a cylindrical externally threaded portion of less diameter than the cylindrical portion which engages with the shoulder of the head, said member being tapered from said screw-threaded portion to its end, and other similarly constructed detachable members of different lengths which may be placed in engagement with the section constructed for attachment to the head section.

1,541,079. RIVET HOLDER. JOSEF TISSLER, Bally, Pa. Filed Nov. 24, 1924. Serial No. 751,917. 2 Claims. (Cl. 78—535.)



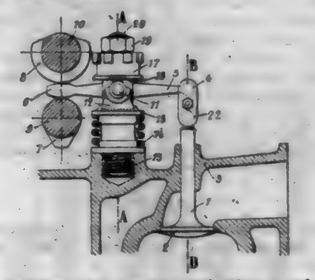
1. A rivet holder comprising a bracket having an abutment member, an anvil member mounted for movement in the bracket and provided with a cone shaped mound portion located below the abutment member, said anvil member being provided at opposite sides of the said mound portion with spaced lugs, rivet holding bars having their inner end portions engaging the mound portion of the anvil and having their intermediate portions disposed between the lugs, pins carried by the bars, the bracket member having diverging slots which receive the pins, and means for moving the anvil member vertically and swinging the rivet holding bars to cause the inner ends thereof to uncover the intermediate portion of the mound of the anvil.

1,541,080. LOCOMOTIVE CONSTRUCTION. LOUIS C. TOLLIVER, Trinity, Tex. Filed Sept. 8, 1922. Serial No. 587,000. 1 Claim. (Cl. 105—84.)



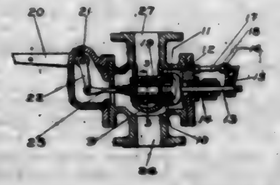
The combination, in an engine having superposed cylinders and a piston rod for each cylinder and a driving wheel, a wrist pin positioned eccentrically of the driving wheel, a connecting rod pivoted at one end upon the wrist pin and pivotally connected at its other end with one of the piston rods, a crank arm fixed upon the wrist pin, a wrist pin carried by the crank arm and disposed at the same distance from the center of the driving wheel as the first mentioned wrist pin and a connecting rod pivotally mounted at one end upon the second mentioned wrist pin and pivotally connected at its other end with the other piston rod.

1,541,081. POSITIVE-VALVE-CONTROL MECHANISM. PIERRE HENRI EDMOND VAREILLE, Levallois-Perret, France. Filed May 26, 1924. Serial No. 716,047. 3 Claims. (Cl. 123—90.)



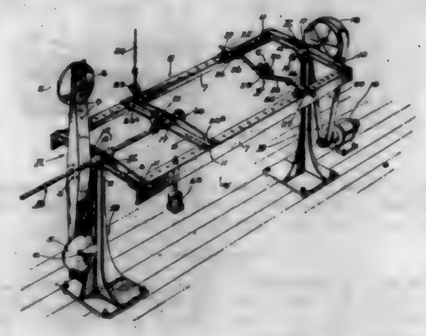
2. In a positive valve control mechanism a rod secured to the engine, a support adapted to slide on said rod and carrying the pivot of the rocker arm, a nut screwed on said rod and a spring urging said support and pivot towards said nut, the latter being so adjusted as to leave a slight play between the pivot and the nut, for the closing position of the valve whereby the valve is yieldingly pressed upon its seat.

1,541,082. VALVE. VINCENT V. VERNSCHOTEN, Erie, Pa., assignor to Northern Equipment Co., Erie, Pa., a Corporation of Pennsylvania. Filed Sept. 15, 1921. Serial No. 500,753. 2 Claims. Cl. 137—101.)



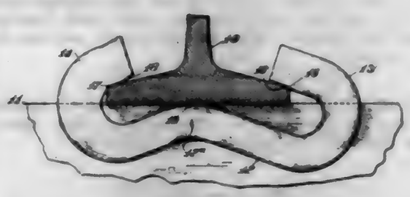
1. A valve casing having a partition therein with two opposing openings in said partition, a cylindrical member having its ends threaded respectively into said openings, a cylindrical plunger slidably mounted into said member, means for reciprocating said plunger, and means for rotating said member.

1,541,083. DYNAMOMETER. CLINTON L. WALKER, Piedmont, Calif. Filed Apr. 14, 1924. Serial No. 706,225. 6 Claims. Cl. 265—24.)



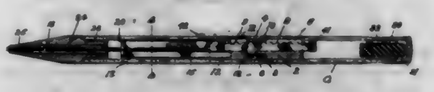
1. A device of the character described, comprising a pivotally supported frame for the reception of a motor, a shaft extending through the pivotal support, means permitting the motor to be connected to said shaft to rotate the same, a resistance member rotatable with the shaft and attached thereto, and means for resisting tilting movement of the frame.

1,541,084. RAIL ANCHOR. HAROLD G. WARE, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 2, 1923. Serial No. 655,240. Renewed Dec. 8, 1924. 36 Claims. (Cl. 238—330.)



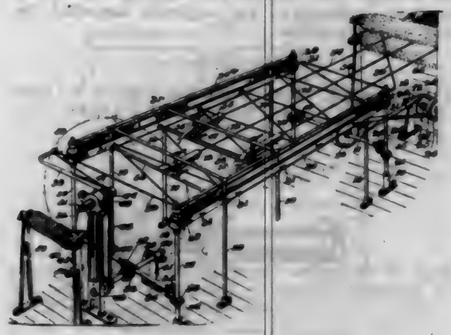
31. A rail anchor comprising a rail base embracing yoke under strain when applied to the rail, formed near its extremities with notches to engage the upper corners of the rail base, and to bear at an intermediate point against the under side of the rail base.

1,541,085. PENCIL. CHARLES E. WEHN, Alameda, Calif., assignor to Listo Pencil Corporation, Alameda, Calif., a Corporation of California. Filed July 31, 1923. Serial No. 654,847. 7 Claims. (Cl. 120—18.)



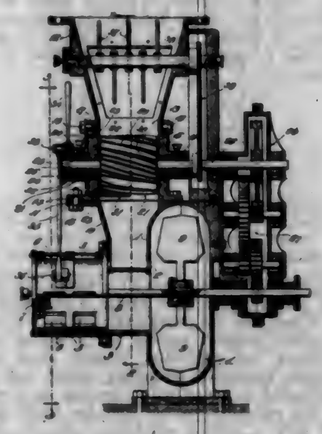
1. In a pencil of the character described, a rod like elongated coupling member having a longitudinally extending groove formed therein, a non-rotatable threaded feed member slidable in the groove, a nut surrounding the coupling member and rotatable thereon and engaging the threads of the feed member to impart longitudinal movement thereto, and a pair of stop members one on each end of the threaded feed member to limit longitudinal movement of the feed member and to prevent disengagement of the threaded feed member and the nut.

1,541,086. LOOM. WILLIAM WILLIS WHEELER, Knoxville, Tenn. Filed Apr. 24, 1924. Serial No. 708,777. 18 Claims. (Cl. 139—11.)



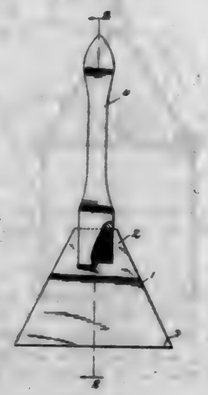
1. A method of weaving which comprises disposing a plurality of sections of a weft thread in the same plane with one section at an angle to the adjacent section, carrying said sections along a definite path and simultaneously disposing warp threads alternately above and below the weft threads, and at a definite point in the travel of the weft thread brushing said sections of the weft thread in parallel relation and in close association with each other and in locked relation with the warp threads.

1,541,087. POWDERED-FUEL AIR MIXER AND FEEDER. WILLIAM H. WHITAKER, Shelbyville, Ill. Filed Feb. 11, 1924. Serial No. 692,065. 6 Claims. (Cl. 110—104.)



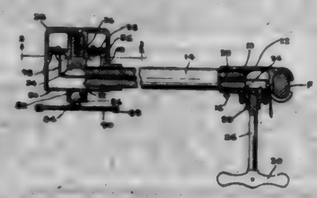
3. Powdered fuel and air mixing and feeding means comprising an air passage, a fuel inlet opening into said air passage, a peripherally-pocketed feed roll whose pockets discharge fuel into said passage through said fuel inlet, a gate movable across a portion of said feed roll to prevent fuel feeding by said portion of the roll, said gate having an operating stub extended outwardly through the wall of said fuel inlet, a controlling valve for the aforesaid air passage, and means connecting said stub and valve for adjustment in unison.

1,541,088. SINK BRUSH. WILLIAM A. WHITEHACK, New York, N. Y. Filed May 20, 1922. Serial No. 562,293. 2 Claims. (Cl. 15—245.)



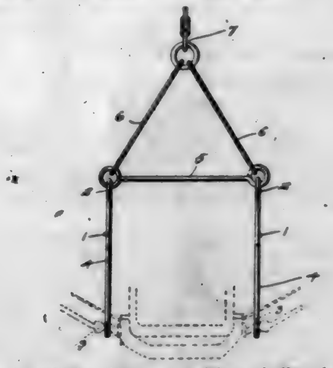
1. A sink brush or the like comprising; a handle, an elastic member secured to said handle and having a free working edge transversely to and beyond said handle, said member being of diminishing thickness from said handle to said edge to increase flexibility of the edge portion and to render said member devoid of a definite bending line to thereby insure the presentation of said edge to a surface against which it is pressed.

1,541,089. SIGNAL FOR MOTOR VEHICLES. EARL T. WINGET, HARVEY E. BRADLEY, and MORLEY C. WALTER, Minneapolis, Minn., assignors to H. E. Bradley Co., Minneapolis, Minn. Filed Dec. 22, 1921. Serial No. 524,100. 1 Claim. (Cl. 116—51.)



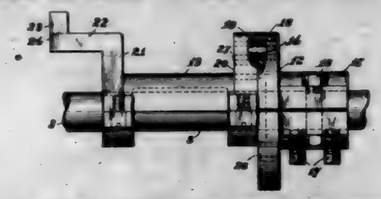
A signal for motor vehicles comprising a support adapted to be secured to a windshield post of the vehicle, an outwardly extending sleeve secured to said support, a cup-shaped member secured to the outer end of said sleeve, a bearing formed in said cup-shaped member, a horizontal shaft rotatably mounted in said bearing, a second cup-shaped member secured to the outer end of said shaft, the periphery of said second cup-shaped member rotatably engaging the periphery of said first cup-shaped member, an indicating arm carried by said second cup-shaped member, a miter gear on the inner end of said shaft, a horizontal shaft rotatably mounted in said sleeve, a miter gear on the outer end of said last-mentioned shaft meshing with said first-mentioned miter gear, a miter gear on the inner end of said last-mentioned shaft, an operating shaft rotatably mounted in said support, a miter gear on the inner end of said operating shaft in mesh with said last-mentioned miter gear, and a handle on the outer end of said operating shaft.

1,541,090. VEHICLE LIFTER. RUDOLPH M. YUNKERS, St. Francisville, La. Filed Mar. 15, 1924. Serial No. 699,511. 2 Claims. (Cl. 294—32.)



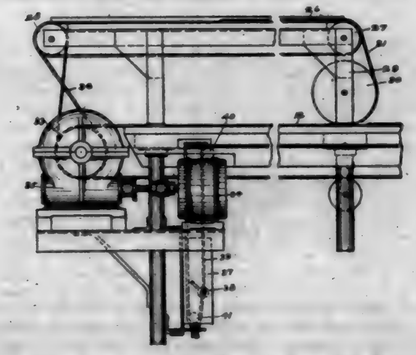
1. A vehicle lifter comprising similar bars having engaging hooks at their lower ends and having the lower portion of each offset so as to clear the headlights of a vehicle.

1,541,091. SAFETY DEVICE FOR LAP RACKS. ROBERT ALDRICH, Greenwood, S. C. Filed Sept. 8, 1923. Serial No. 661,726. 10 Claims. (Cl. 19—162.)



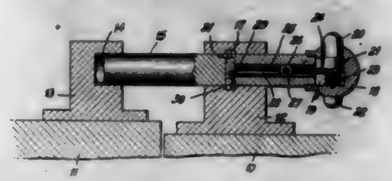
1. In friction release mechanism for lap racks, the combination, with a gear adapted to mesh with a rack and a frictional resistance for the gear, of a frangible pin for transmitting motion from the gear to the resistance, and means for carrying said pin at variable distances from the axis of rotation of the gear.

1,541,092. APPARATUS FOR ASSEMBLING TREAD UNITS. CORNELIUS B. AMES, Cudahy, and GEORGE F. WIELE, Milwaukee, Wis., assignors, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Aug. 19, 1921. Serial No. 493,751. 2 Claims. (Cl. 154—9.)



2. In a tread unit assembling device a traveling belt for receiving a tread element, guides for positioning the element thereon, a stationary support positioned above and parallel to said belt for positioning a second tread element and from which the second element may be moved into assembled relation with the first element, a second belt, parallel to said first belt, adapted to position a third tread element and move the latter into assembled position with the previously assembled elements on said first belt.

1,541,093. LOCK. JOHN AMICO, New York, N. Y. Filed Oct. 11, 1923. Serial No. 667,798. 2 Claims. (Cl. 292—150.)



1. A lock bolt comprising a cylindrical bar, a body in which said bar is slidably mounted, said body containing a cylindrical bore and an annular recess midway therein; said bar having an axial bore in one end and a transverse opening intersecting the bore, a chambered knob on said bar covering the bore, a stem slidable transversely in said knob, a disc pivoted to rotate in the bore of said bar, said disc having an arm operable by said stem, a pin movable in the transverse opening in the bar, said pin being engageable in the recess in said body, a connection between said pin and said disc, and resilient means in said knob opposing the movement of said stem.

1,541,094. LENS HOLDER. JOHN A. AMOS, St. Louis, Mo., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 9, 1924. Serial No. 718,764. 1 Claim. (Cl. 240—41.)

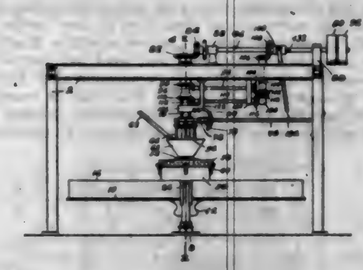


The combination with a lens, of a holder therefor comprising a supporting member having a peripheral recess forming a seat for the peripheral portion of the lens, and a curved resilient member for retaining the lens in the recess, the supporting member being provided with integral rearwardly extending spaced lugs, two of said lugs being provided with openings to receive the ends of the retaining member and the third lug being provided with a portion extending over the retaining member intermediate its ends.

1,541,095. ORE CONCENTRATOR. JAMES B. ARTHUR, deceased, by Mary B. Arthur, executrix, Joplin, Mo. Original application filed Feb. 21, 1920, Serial No. 360,434. Divided and this application filed May 15, 1922. Serial No. 560,883. 1 Claim. (Cl. 83—87.)

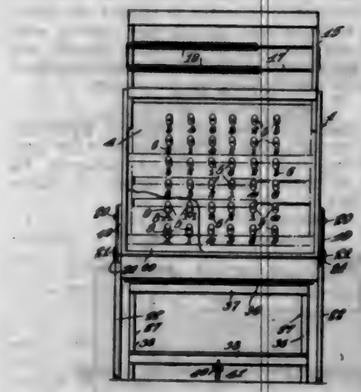
In an apparatus of the character described a rotary table having a flat bottom portion and rim fixed thereto, a centrally disposed drum fixed to said table, a conical

distributor spaced above and overlapping said drum, a guard spaced from and encircling said distributor.



means supporting said guard and secured to the drum, and means for continuously driving the table and the distributor in opposite directions.

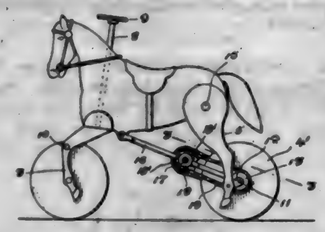
1,541,096. GAME BOARD. CHARLES W. BABCOCK, Addison, N. Y., assignor of one-half to Harry Babcock, Rome, N. Y. Filed July 3, 1923. Serial No. 649,316. 5 Claims. (Cl. 273—104.)



5. In a game device, a box-like body including a table spaced from the rear edge of the body, means on the table for receiving tossed articles, legs, means for connecting the legs to the body, a prop comprising upper and lower members, means for hingedly connecting said members of the prop whereby they may be folded together, means for pivotally connecting the upper member of the prop to the body in such position that the folded prop may be swung within the body and toward the table, and means on one member of the slot for holding the tossed articles when the same are not in use, the space between the table and the rear edge of the body being positioned to house the folded prop and the tossed articles, when the tossed articles are mounted on one member of the prop, as aforesaid.

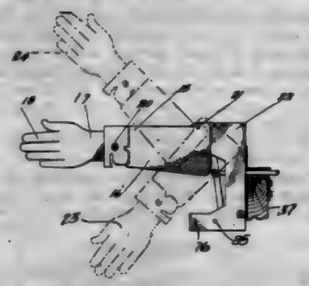
1,541,097. CHILD'S VEHICLE. EDWARD J. BAISDEN, New York, N. Y., assignor, by mesne assignments, of one-half to George E. Grey and one-half to Gerrit J. Lloyd, both of New York, N. Y. Filed Dec. 2, 1922. Serial No. 604,555. 2 Claims. (Cl. 208—42.)

1. A device of the class described comprising a body made in the shape of an animal having four legs, a front wheel pivoted between the front legs, means for pivotally connecting the rear legs with the body, a crank shaft having its cranked ends pivoted to the rear legs, a wheel rotatably mounted on the crank shaft, a



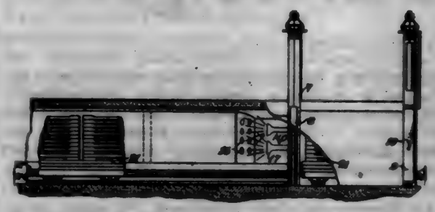
link connecting the crank shaft with an under part of the body and gearing connecting the crank shaft with the wheel.

1,541,098. ARM VEHICLE SIGNAL. FREDERICK M. BALDWIN, Los Angeles, Calif. Filed Dec. 11, 1923. Serial No. 679,934. 13 Claims. (Cl. 116—52.)



1. In a traffic signal of the class described, the combination of a supporting member; an arm member including a counterfeit forearm pivotally depending from said supporting member, and a hand pivoted to the lower and outer swinging end of said counterfeit forearm; and means comprising two levers of sheet metal geared together for swinging said arm member outwardly into signalling position.

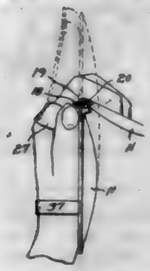
1,541,099. PROCESS FOR THE MANUFACTURE OF ACTIVATED MATERIAL. OSCAR L. BARNEBEY and MERRITT B. CHENEY, Cleveland, Ohio; Josephine B. Cheney administratrix of said Merritt B. Cheney, deceased; said Josephine B. Cheney, as administratrix, assignor to said Barnebey. Filed Mar. 19, 1919. Serial No. 283,639. 12 Claims. (Cl. 252—5.)



1. In an activating process, heating a thin layer of granular carbonaceous material at carbon activation temperatures in the presence of similarly-heated, oxygenated, activating gases adapted to react endothermically with carbonaceous material, maintaining the temperature substantially uniform during the activation, introducing into the activating chamber cooler oxygenated gases containing practically no free oxygen, cooling the

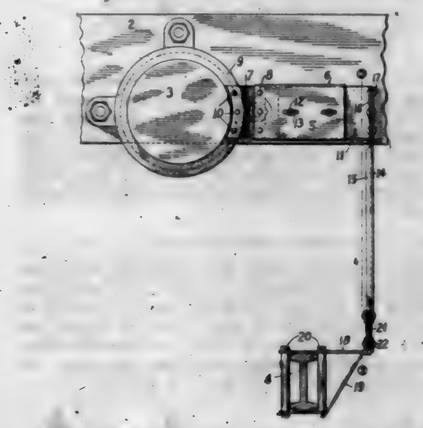
activated carbonaceous material therewith, and then heating said cooling gases to activating temperature and activating carbonaceous material therewith, the granules of said layer being substantially without intermotion during said process.

1,541,100. SWIMMING PADDLE. CHARLES S. BARRETT, Venice, Calif. Filed July 24, 1924. Serial No. 727,896. 9 Claims. (Cl. 9—21.)



9. A swimming paddle comprising: a web having a peripheral seam; a frame secured by said seam, said frame comprising a finger portion and a palm portion hinged together; a spring for retaining said frame in flat disposal; cross braces secured to said frame; a palm band laterally adjustable on said cross braces; and a wrist band secured to said web.

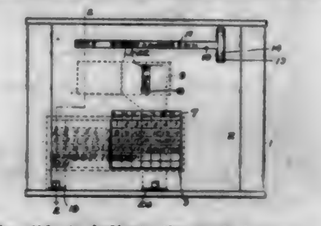
1,541,101. SHOCK ABSORBER. CHARLES C. BLACKMORE, Dayton, Ohio. Filed Jan. 16, 1922. Serial No. 529,563. 12 Claims. (Cl. 267—9.)



1. The combination with a shock absorber comprising a movable member, of a substantially horizontal arm connected with said movable member and having a portion capable of bending about a vertical axis, a substantially vertical arm connected with said horizontal arm and capable of bending about a horizontal axis, and means for connecting said vertical arm to a structure having movement relatively to said shock absorber.

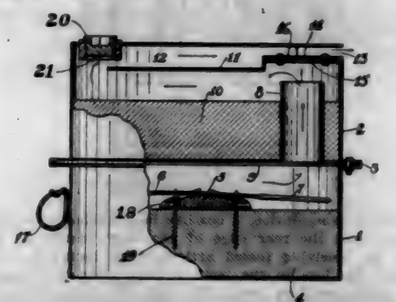
1,541,102. CALENDAR. HERBERT SCOTT BOWMAN, St. Joe, Ind. Filed Apr. 10, 1925. Serial No. 22,233. 2 Claims. (Cl. 40—109.)

2. A calendar comprising a case having a plurality of openings in one of its sides, a pair of rollers revolubly mounted rearwardly of one of the openings, a chart secured at its opposite ends to the rollers respectively, the chart having thereon a column of numerals designating a plurality of years, and also a plurality of columns of indicia designating the names of the days of a week, one column for each month of a year, the indicia in the horizontal row with any year designating the week day names of the first days of the months of that year, means to rotate the rollers in either direction to cause a selected row of year and week day indicia to be exposed through said opening, a movable slide having thereon the names of the months of a year in consecutive order adapted to be selectively exposed through another of said openings, a pointer responsive to the move-



ment of the slide to indicate the week day name on the chart of the selected month and year, the names of the week days being formed on the said slide in order and above another of said openings, and a movable slide having thereon a table of numerals arranged in columns and horizontal rows and representing the days of the months, the latter slide being rearwardly of the latter opening and adapted to be moved to cause a full month of numerals to be exposed through said opening when the numeral one thereof is positioned in register with the name of the week day above said opening corresponding to the week day indicated by the pointer.

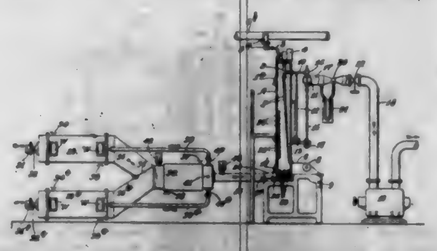
1,541,103. METHOD AND APPARATUS FOR DISPERSING TOXIC AND OTHER IRRITANT SUBSTANCES. DONALD B. BRADNER, Philadelphia, Pa. Filed May 15, 1924. Serial No. 713,590. 10 Claims. (Cl. 102—29.)



5. In a portable apparatus for dispersing an irritant without substantial chemical decomposition thereof, a compartment for holding fuel, another compartment for holding the irritant, means for delivering the combustion gases from the first compartment to the surface of the irritant within the second compartment and an exit passage for gases issuing from the said second compartment.

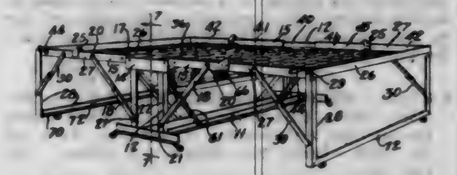
1,541,104. APPARATUS FOR THE PRODUCTION OF ARTIFICIAL SILK AND THE LIKE. JOHN FREDERICK BRIGGS and WILFRED YORKE, Spondon, near Derby, England, assignors to American Cellulose and Chemical Manufacturing Company, Limited, New York, N. Y., a Corporation of Delaware. Filed May 14, 1923. Serial No. 638,994. 13 Claims. (Cl. 18—8.)

1. In dry spinning apparatus of the cellular type for the manufacture of artificial silk and the like, a dry-spinning metier comprising numerous spinning cells, a collecting conduit for carrying off vapour-laden air from the cells of the metier to the exhaust, an individual outlet connection between each of said cells and said collecting conduit, an indicating device in connection with



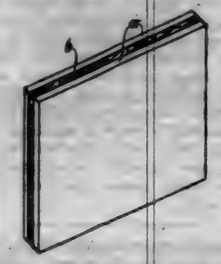
each of said outlet connections for individually indicating the volume of vapour-laden air passing therein from the corresponding cell, and a controlling device to each outlet connection for regulating and cutting off the flow from the corresponding cell.

1,541,105. SEAT BED. WILLIAM J. BROOME, Los Angeles, Calif. Filed Aug. 19, 1922. Serial No. 583,005. 7 Claims. (Cl. 5—111.)



1. In a folding bed, the combination of: a carriage providing a central spring section; an intermediate spring section pivoted upon each side of said central spring section, said intermediate sections being foldable against the sides of said carriage; an outer spring section pivoted to each of said intermediate spring sections at the outer extremity thereof, said outer spring sections being adapted to be folded in against said intermediate spring sections; means for supporting said intermediate sections in laterally extended position; and means secured to said outer sections for supporting the outer extremities of said outer sections.

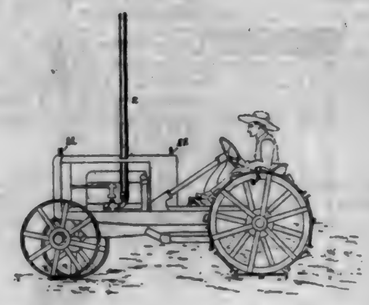
1,541,106. ASBESTOS SLATE MATERIAL AND PROCESS FOR MANUFACTURING IT. FRANZ BRÖSSLER, Vienna, Austria. Filed Sept. 6, 1923. Serial No. 661,320. 2 Claims. (Cl. 20—91.)



1. The manufacture of a composite material, which consists in forming a pile of plates of asbestos cement material, alternating with intermediate plates of ply-

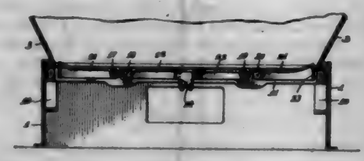
wood with the interposition of a waterproof adhesive in such a manner that the outside plates of the pile consist of asbestos cement material, and then subjecting the pile of plates to hydraulic pressure for causing the plates to unite together to constitute material of the desired thickness.

1,541,107. DUST EXCLUDER FOR INTERNAL-COMBUSTION ENGINES. WILLIAM H. BROWN, Cleveland, Ohio. Filed Dec. 5, 1918. Serial No. 265,380. 7 Claims. (Cl. 180—54.)



6. In an internal combustion engine vehicle, the combination with the engine and its carburetor of an air supply pipe having one end detachably connected to the air intake of the carbureter and its other end extending to a point in the atmosphere above the zone of dust raised by the wheel.

1,541,108. FURNACE GRATE. ALBERT A. BRUDER, Holly, Mich. Filed May 19, 1923. Serial No. 640,077. 9 Claims. (Cl. 126—176.)

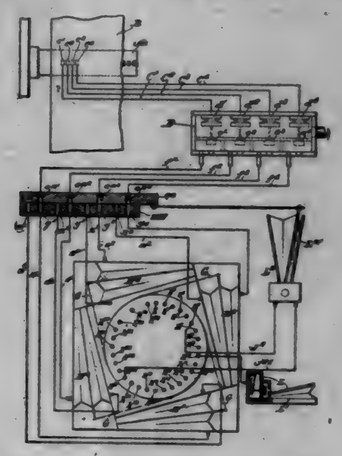


1. The combination with a fire box and ash pit, of guideways in the ash pit, a grate frame slidable on said guideways and adapted to be fixed relative to the fire box, and rockable units carried by said grate frame and operatable at the front of said ash pit to shake down a fire in the fire box on said grate units.

1,541,109. FUNCTION-MULTIPLYING DEVICE FOR AUTOMATIC MECHANISMS. CHARLES S. BURTON, Oak Park, Ill. Filed Nov. 11, 1920. Serial No. 423,318. 8 Claims. (Cl. 84—50.)

1. A device for the purpose indicated comprising a plurality of combining members mounted for movement in parallelism with each other through a definite step distance; means for positioning them all normally at a selected starting or rest position, and means for giving them individually in selected groups a definite step movement from said normal rest position; each member having a series of ports arranged in succession along the path of the step movement; each member having a blank or portless area at a point along said path at which other members have ports positioned for registration, and having a port in said path at step distance from said

portless area; the several members differing as to the points in the path at which said portless areas occur; whereby a movement of different combining members a



step distance from the normal rest position produces through-and-through registration of ports in all the members at different points in the path of movement.

1,541,110. CUE-TIP HOLDER. JOHN H. BUSCHER, Washington, D. C. Filed Aug. 23, 1923. Serial No. 658,860. 1 Claim. (Cl. 273—70.)



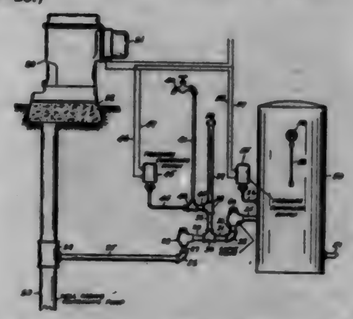
A cue tip holder comprising a ferrule having at one end a recess leading in from the side thereof, the inner wall of the recess lying in a plane coincident with the axis of the furrow, the said ferrule being provided at its end with a semi-circular jaw having an inwardly disposed arcuate flange and a pointed lug provided upon the flange and located midway between the ends thereof and disposed with its point toward the center of the ferrule, a clamp section seated in the recess and completely filling the same, a screw passing transversely through the clamp section and entering the body of the ferrule, said clamp section being provided at its end with a semi-circular jaw having an inwardly disposed arcuate flange and a pointed lug provided upon the last mentioned flange at a point midway between the ends thereof and having its pointed end disposed toward the axis of the ferrule, the said pointed lugs being aligned diametrically of the ferrule.

1,541,111. PUMPING APPARATUS. GEORGE A. BUVINGER and CLARENCE WARNER, Dayton, Ohio, assignors to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Mar. 19, 1922. Serial No. 626,173. 53 Claims. (Cl. 103—179.)



1. In a pumping apparatus, the combination with a well casing and a pump; of a container for the pump removably carried by the inside wall of the casing, and having a discharge through the well casing below the top of the well casing.

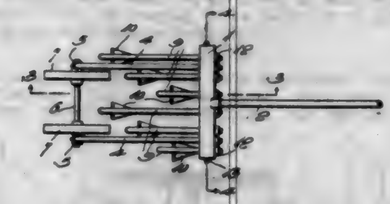
1,541,112. PUMPING APPARATUS. GEORGE A. BUVINGER, Dayton, Ohio, assignor to Delco-Light Company, Dayton, Ohio, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,486. 7 Claims. (Cl. 103—25.)



1. In a water system, the combination with a pump; of power means for driving the pump; a storage tank connected with the pump; a fresh water pipe connected to the pump between the tank and pump; means for causing the pump driving mechanism to operate when the pressure in the storage tank falls below a certain amount and to cease operation after a relatively large volume of water has been pumped into the storage tank; and other means for causing the pump driving mechanism to operate substantially as soon as there is demand for water from said fresh water pipe and for causing said mechanism to cease operation substantially as soon as the demand for water ceases regardless of the pressure in the storage tank.

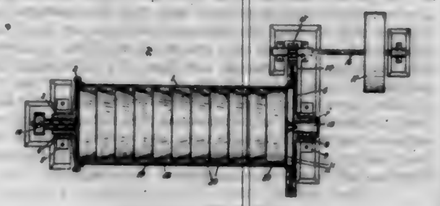
1,541,113. HAND CULTIVATOR. ALMON C. BYRUM, Stockton, Ill. Filed Mar. 22, 1923. Serial No. 626,968. 1 Claim. (Cl. 97—59.)

A hand-operated implement comprising a transverse horizontal bar, a pair of spaced beams extending rigidly rearward from said bar and provided at their rear ends with ground wheels, a plurality of additional beams extending rigidly rearward from said bar on opposite



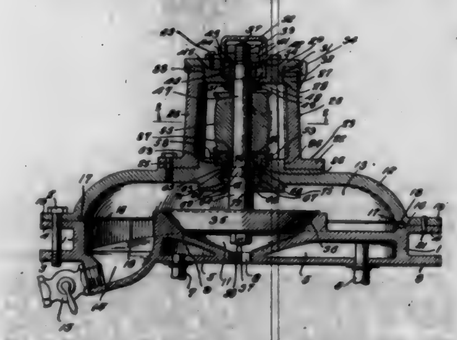
sides of said spaced beams and carrying earth working blades, said blades being arranged in advance of said wheels and a rigid tongue extending forwardly from said bar for pulling the implement.

1,541,114. BALL OR PEBBLE MILL. CHARLES L. CARMAN, Riverside, Calif. Filed Feb. 23, 1924. Serial No. 694,584. 5 Claims. (Cl. 83—9.)



1. A tube mill comprising a tubular body having its inner wall formed with a plurality of abrupt shoulders with intervening frusto-conical portions flaring toward the feed end of the mill, said tubular mill body being provided with means for feeding material to one end thereof, and means for discharging material from the other end thereof.

1,541,115. EXTRACTING MATERIAL. FREDERICK JOHN EDWIN CHINA, Esher, England. Filed May 19, 1923. Serial No. 640,284. 23 Claims. (Cl. 167—4.)

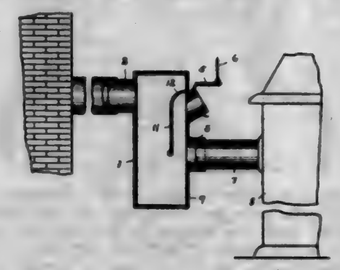


1. A method of obtaining an extract from a solid substance comprising, passing the solid substance together with a suitable solvent of the material to be extracted in a thin film between surfaces relatively movable one past the other at high velocity, whereby the solvent is washed through the fibers of the solid and an extract of material obtained, the velocity of movement of the surfaces past each other and the thickness of the film being such that the solid is not wholly disintegrated.

1,541,116. MANUFACTURE OF MAGNESIA FROM DOLOMITE. CAMILLE CLERC and ARMAND NIHOUL, Paris, France. Filed Dec. 14, 1921. Serial No. 522,366. 2 Claims. (Cl. 23—201.)

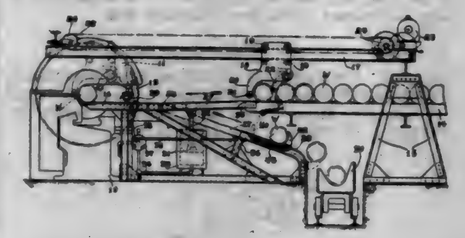
1. The process, which comprises calcining dolomite at a temperature above that necessary for decarbonation and sufficiently high to make hydration of the magnesia difficult without preventing hydration of the lime, swelling the lime-magnesia mixture without completely hydrating the lime or dissolving the same separating the powder thus formed from the non-hydratable portion, and mixing the powder obtained with an excess of magnesium chloride to rapidly precipitate the partially hydrated magnesia in a readily filterable granular form.

1,541,117. SMOKE FILTER. JOSEPH COCHRAN, Duluth, Minn. Filed Oct. 27, 1924. Serial No. 745,948. 3 Claims. (Cl. 126—280.)



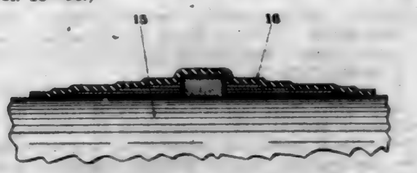
1. The combination with a furnace flue of the character described, of an upright hollow receptacle into which the flue discharges adjacent the lower end thereof, a discharge orifice adjacent the upper end of the receptacle, and controllable means for admitting cold air into the receptacle.

1,541,118. LOADING AND UNLOADING MEANS FOR AXLE LATHES. LYNDON C. COLE, Hamilton, Ohio. Filed June 11, 1924. Serial No. 719,365. 11 Claims. (Cl. 214—1.)



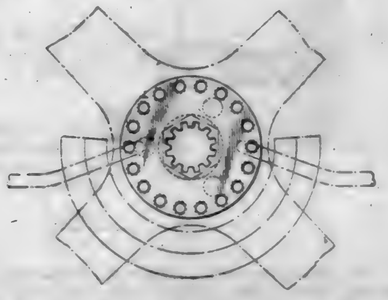
1. Blank transferring means for machine tools comprising in combination, a loading platform, guiding means for transferring the work blanks from said platform to said machine, guiding and supporting means for the finished blanks, and means to move a portion of said guiding means to alignment with said platform or with said supporting means for the finished blanks.

1,541,119. FORMING HOLES IN RUBBER ARTICLES. WILLIAM DE RUSHA, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,940. 4 Claims. (Cl. 18—56.)



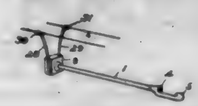
1. The method of forming a hole in a rubber article which comprises cutting a hole at least part way through the reinforcing pad, inserting in said hole a plug which protrudes from the hole, pressing the rubber of the article against said plug in such manner that said rubber tends to move from over said plug, and vulcanizing.

1,541,120. IRREVERSIBLE STEERING DEVICE FOR AUTOMOBILES. JOSEPH G. DES ROBERTS, Portsmouth, N. H. Filed Nov 25, 1924. Serial No. 752,270. 1 Claim. (Cl. 74—33.)



In combination with a steering mechanism of the planetary gear type, having a sun gear and three planet gears, a stabilizing device comprising a disk having a central aperture provided with teeth to engage the teeth of the sun gear, said disk having a plurality of equally spaced countersunk recesses equidistant from the center of the disk; a second disk provided with three apertures adapted to be fitted on the shafts of the three planet gears, said second disk having a plurality of equally spaced rounded projections equidistant from the center of the disk, said rounded projections being adapted to engage the recesses of the first mentioned disk.

1,541,121. INSULATING MEDIUM FOR TRANSMISSION OF INTELLIGIBLE SOUNDS. FRANK C. DOBLE, Winchester, Mass. Filed Aug. 2, 1920. Serial No. 400,741. 20 Claims. (Cl. 179—20.)



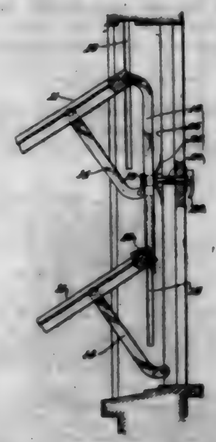
1. The combination with an electrical apparatus adapted to effect conversion between electrical and audible effects, of a combined insulating sound conducting medium and barrier including a channel for conveyance of sound waves, constructed and arranged to maintain safe separation between said apparatus and all parts of the person of an operator using it.

1,541,122. MEGAPHONE. CHARLES H. DODGE and ROBERT H. E. SCHLECHT, St. Louis, Mo. Filed Aug. 21, 1922. Serial No. 583,257. 1 Claim. (Cl. 181—27.)



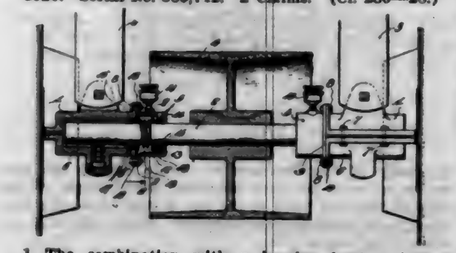
A megaphone comprising a tapered rear section and a tapered forward section, the former being provided with a mouthpiece, a plurality of intermediate tapered sections, the terminal portion of the forward end of the rear section and of each intermediate section being bent inwardly and out of alinement with the exterior surface of said section, the terminal portion of the rear end of the forward section and of each of said intermediate sections being bent outwardly from the intermediate surface of said section, the outward and inward bent portions being parallel to each other, whereby the oppositely bent portions of adjacent sections will fit snugly one within the other and be held in close frictional contact thereby preventing easy collapse of said megaphone without the use of any extraneous fastening means, and means extending across the free end of the forward section for preventing the remaining sections from passing therethrough when the megaphone is collapsed.

1,541,123. SWINGING WINDOWS. JOHN J. DONOVAN, Oakland, Calif. Filed Apr. 26, 1924. Serial No. 709,807. 6 Claims. (Cl. 20—42.)



1. In combination with a window frame, a plurality of superposed sashes therein, a pair of guideways in the frame for each sash, trunnions slidable in said guideways, said trunnions being connected to the sides of the sashes and constituting pivots for the same, links between the sashes and the frame, said links being pivotally connected at one end to the sashes and at the other end to the frame, and a connecting bar connecting the trunnions of the sashes whereby to permit said sashes to be simultaneously swung inwardly and upwardly or outwardly and downwardly with the trunnions as pivots, said connecting bar being pivotally connected to one of the trunnions of the upper sash and detachably connected to the trunnion of the lower sash, and operative means for swinging said connecting bar about its pivot to disconnect it from the trunnion of the lower sash to permit the sashes to be operated independently.

1,541,124. STUFFING BOX FOR BEARINGS. ORSON WINFIELD DUNHAM, Treece, Kans. Filed June 17, 1920. Serial No. 389,742. 2 Claims. (Cl. 286—28.)



1. The combination with a bearing having a shaft therein an annular packing receiving pocket and an annular flange on its end, said flange having bolt holes; of a cup-shaped stuffing box, having its outer closed end counter-bored to provide a shaft passage and a packing pocket, an annular flange on the inner end of said box to fit against the flanged end of said bearing, said stuffing box flange having elongated bolt holes to coincide with the bolt holes in said bearing flange, fastening bolts engaged with the bolt holes in said flanges whereby said box is secured in place after proper adjustment on the shaft, packing in said pockets and resilient means positioned about the shaft between the packings and adapted to expand to compress the packings in said pockets.

1,541,125. AUTOMOBILE TIRE VALVE. JAMES H. DUNN, Beckley, W. Va. Filed Aug. 30, 1924. Serial No. 735,223. 1 Claim. (Cl. 152—115.)



In a tire valve structure, a body including a longitudinally extending bore extending from end to end of the body, an enlargement formed laterally of the inner end of the body, an angular shaped bore extending from the inner end of the body through the enlargement, a tire valve in the outer end of the first mentioned bore, a tire valve in the outer end of the second mentioned bore, and a perforated nut threaded in the outer end of the second mentioned bore for releasing the valve therein.

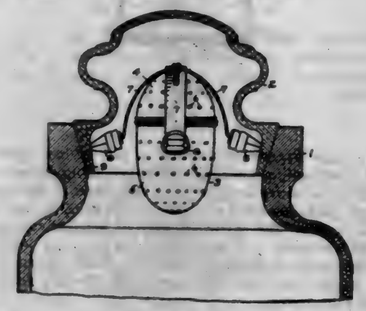
1,541,126. GOLF CLUB. WILLIAM DUNN, Redwood City, Calif. Filed Mar. 24, 1923. Serial No. 627,296. 2 Claims. (Cl. 273—77.)

1. In a golf club head comprising a single solid metallic body, a longitudinally convex sole provided with a groove of less width than the sole and extending longitudinally from the toe to the heel of said head and bringing into relief ground-contacting strips adjacent the front and



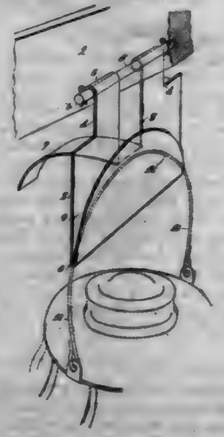
rear faces, a longitudinally convex rear face formed with a longitudinally extending groove, and a neck integral with said head to receive a club shaft.

1,541,127. AIR DRIER FOR CANDY JARS. OSCAR B. ELMER, New Orleans, La. Filed May 14, 1923. Serial No. 638,827. 1 Claim. (Cl. 215—48.)



The combination with a hollow cover of a two part perforated container, the perforated parts being threaded together and adapted to receive and fully enclose a powdered absorbing material, a plurality of resilient members secured to the top of one of said parts and flaring downwardly and outwardly therefrom, and an elastic member on the free end of each said resilient member adapted to engage the inner wall of the lower portion of the cover and space the container therefrom.

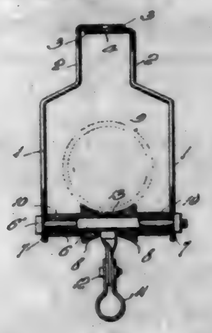
1,541,128. LAMP HANGER. COMMIE L. ENNIS, Boyking, Va. Filed Nov. 20, 1924. Serial No. 751,090. 4 Claims. (Cl. 240—52.)



1. In combination with a railroad crossing guard arm and a signal lamp having a swinging ball a hanger pendently secured to the arm to swing freely beneath it, said

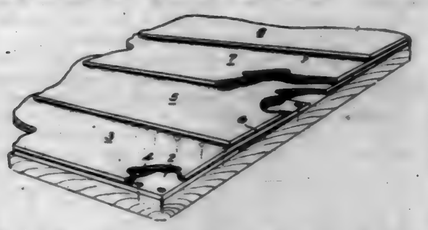
hanger including a member for holding the ball of the lamp, and also including a resilient member to engage the guard arm when said guard arm is in an elevated position substantially as shown and described.

1,541,129. PIPE HANGER. JOHN W. FARLEY, Cleveland, Ohio. Filed Feb. 25, 1924. Serial No. 695,024. 2 Claims. (Cl. 248—31.)



1. A pipe hanger comprising a pair of vertically disposed side bars, a spacing sleeve extending between and abutting the lower ends of said side bars, a bolt passing through said side bars and sleeve and holding the former tightly against the latter, a pair of separate rollers rotatably mounted on said sleeve, a pair of additional spacing sleeves surrounding the first named sleeve between said rollers and said side bars, and another spacer between said rollers.

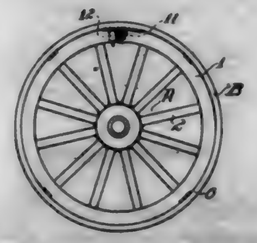
1,541,130. ROOF AND METHOD OF FORMING THE SAME. DOZIER FINLEY, Berkeley, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Dec. 19, 1922. Serial No. 607,791. 1 Claim. (Cl. 108—9.)



The method of forming a roof with strips of smooth surfaced prepared roofing, which comprises laying a strip of roofing, laying a second strip of roofing above the first strip and overlapping a predetermined portion of the first strip, securing the second strip to the roof sheathing adjacent its upper edge only, in then laying back the second strip to expose the overlapped surface of the first strip, covering said surface with a layer of a plastic adhesive compound having substantially the same temperature as the atmosphere, then turning the second strip back over that portion of the first strip to cover the said compound, and pressing the second strip into the layer of the compound to permanently unite the strips.

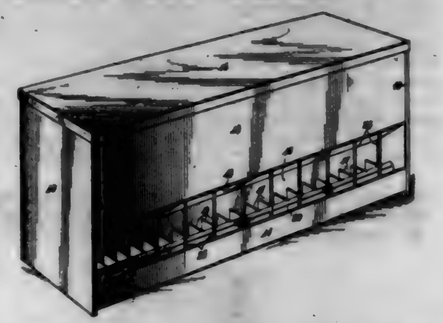
1,541,131. TIRE RIM FOR AUTOMOBILE WHEELS. LOUIS G. FINNICUM, St. Paul, Minn. Filed Nov. 15, 1924. Serial No. 750,106. 2 Claims. (Cl. 301—17.)

1. In a wheel having a demountable rim, a channeled felly, a plurality of notches in a wall of said felly, cam means connected interiorly of the felly adjacent said notches, gear means mounted interiorly of the felly and rotatable from without the felly, locking means associated with the gear means to lock the gear means against rotation, cam means integral with the demountable rim to register with the notches in the felly, and a rack mounted



interiorly of the demountable rim to engage the gear means to move the rim relatively with respect to the felly to draw the faces of the cam means on the rim into engagement with the cam means on the felly to lock the rim on the wheel.

1,541,132. AUTOMATIC FEEDING DEVICE. ERNEST M. FISHER, Atlanta, Ga. Filed Nov. 29, 1924. Serial No. 752,890. 8 Claims. (Cl. 119—52.)



1. A feeder having a feed trough, a structure associated therewith open at the bottom and beneath which the feed is supplied and through which the feed must be obtained, the feeder having a passageway outwardly of said means through which dropped feed may return by gravity to the feed within the trough and below the said means.

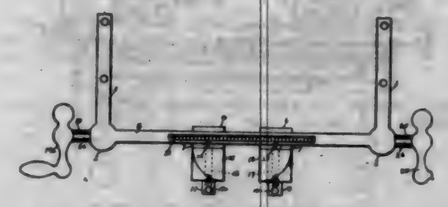
1,541,133. HAT-HOLDING DEVICE. ANTONIO FORTI, New York, N. Y. Filed Dec. 5, 1921. Serial No. 520,145. 1 Claim. (Cl. 223—33.)



A hat holding device of the character described comprising a cross shaped bearing member, oppositely disposed threaded legs included in said bearing member, oppositely disposed hollow legs arranged at right angles to the threaded legs and being provided with oppositely

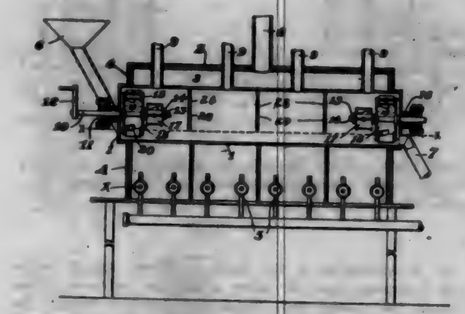
disposed longitudinally arranged slots, rods mounted for slidable movement within the hollow legs and projecting therefrom, arcuate shaped finger pieces extending from the opposite sides of the rods and passing through said slots to limit the outward movement of the rods, springs arranged in said hollow legs and tending to force the rods to their outward position, and a series of blocks secured to the rods and also associated with said threaded legs as and for the purpose specified.

1,541,134. ATTACHMENT FOR MITER BOXES. FRANCIS GILPIN, Colorado Springs, Colo. Filed June 30, 1924. Serial No. 723,242. 9 Claims. (Cl. 143—89.)



1. In a device of the class described, the combination of a frame adapted to be attached to a miter box, said frame having an upper and a lower guide bar forming a guideway therebetween, and connections having a threaded hole at each end of said guideway; two slides, each having a front and a rear plate secured thereto forming flanges thereon, disposed in said guideway; threaded means engaging the threaded holes and the slides, the rear plates having a plurality of holes therein; vise jaws pivotally mounted on the slides and having means for engaging the holes thereof; for the purposes set forth.

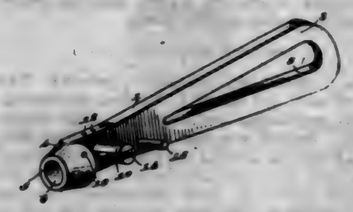
1,541,135. APPARATUS FOR TREATING BITUMINOUS SHALE AND THE LIKE. JOSEPH H. GINET, Denver, Colo. Filed Nov. 1, 1920. Serial No. 421,111. 4 Claims. (Cl. 202—14.)



1. In a retort for treating shale and the like, having a bottom, a plurality of shovels adapted to sweep successive zones of the retort, means carried by each of the shovels adapted to deflect material therefrom into the zone swept by the next adjacent shovel, comprising an adjustable side guide.

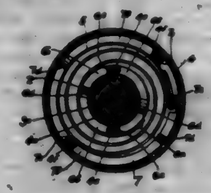
1,541,136. TOOL FOR APPLYING WIRE CLAMPS TO HOSE COUPLINGS. FRED W. GUNN, Boston, Mass. Filed Jan. 21, 1924. Serial No. 687,550. 3 Claims. (Cl. 81—9.3.)

1. A tool of the character described comprising an elongated body having a head at one end thereof, said head having a bore extending longitudinally therethrough, a pair of spaced apart guide members extending transversely through said bore, and a rotatable tightening pin carried by said body, said tightening



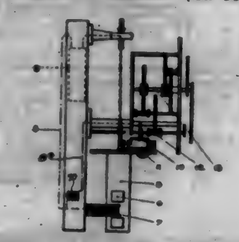
pin having a slotted end portion extending at right angles to the direction of length of said bore and being located at the rear of said head.

1,541,137. IMPULSE COUPLING FOR MAGNETOS. GEORGE S. HANFORD, Lakewood, Ohio, assignor to The Teagle Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 11, 1920. Serial No. 430,039. 6 Claims. (Cl. 123—149.)



1. In an impulse drive coupling for ignition generators, the combination of a rotary driven member, a rotary driving member coaxial with the driven member, a resilient driving and cushioning means between the driving and driven members comprising a spiral spring, a connector secured to the inner end of the spring and having a rotational lost-motion connection with the driving and driven members and a connector secured to the outer end of said spring and having a rotational lost-motion connection with the driving and driven members, and means for temporarily retarding the rotation of the driven member in relation to the rotation of the driving member.

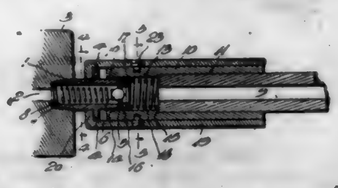
1,541,138. ELECTRIC CLOCK. AUGUST BENGTSSON HJERN, Copenhagen, Denmark. Filed Mar. 15, 1922. Serial No. 543,928. 3 Claims. (Cl. 58—30.)



1. In an electric clock, a torsion pendulum including a flexible member and a body suspended from the lower end thereof, a clockwork mechanism including a toothed wheel, a pivoted member carried by the pendulum body engageable by the teeth of said wheel for intermittently rotating the latter, means for limiting the swinging movement of said pivoted member in one direction, electro-magnetic means for periodically accelerating the

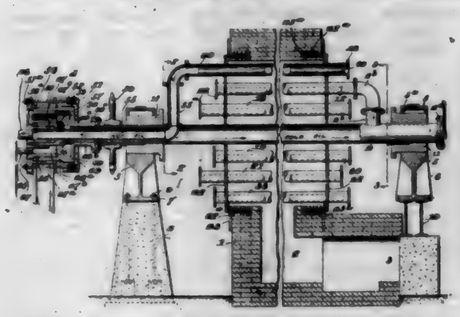
movement of said pendulum, said toothed wheel and pivoted member constituting a contact device for controlling said electro-magnetic means, and said pendulum being arranged to rotate in a given direction before and after contact of said contact device.

1,541,139. COUPLING. JOSEPH BENNETT HAYDEN, JOHN MORRIS, and HARRY C. GEORGE, Greensburg, Pa. Original application filed Sept. 14, 1923, Serial No. 662,674. Divided and this application filed Mar. 27, 1924. Serial No. 702,372. 2 Claims. (Cl. 285—180.)



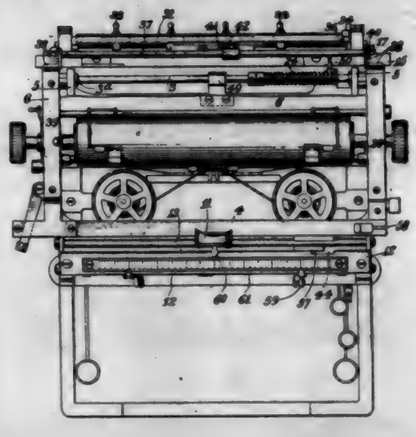
1. A coupling for connection with a nipple having lateral lugs spaced inwardly from its end; said coupling comprising a tubular casing adapted at its rear end to be secured to a hose and open at its front or outer end for reception of the above-named nipple, said outer end of the casing being adapted to abut the lugs of the nipple to limit its insertion into the casing, a spring-pressed packing within said tubular casing to yieldably press against the nipple and establish a tight connection therewith, a tubular sleeve rotatable and non-slidable on said tubular casing, said sleeve having a front end extended beyond said open end of said tubular casing and of an internal diameter to receive within its interior the lateral lugs on the above-named nipple, said front end of said sleeve having an end wall formed with a transverse slot through which the aforementioned nipple and lugs are insertible, the inner side of said end wall being adapted to engage the lugs when the sleeve is turned on the casing and being spaced outwardly from the outer end of said casing a distance slightly greater than the thickness of the lugs, permitting said end wall of the sleeve to be entirely freed of contact with the lugs when turning said sleeve.

1,541,140. PROCESS OF AND APPARATUS FOR DISTILLING AND CRACKING HYDROCARBON OILS. ALFONCE H. HELLER, Berkeley, Calif. Filed Aug. 21, 1922. Serial No. 583,069. 6 Claims. (Cl. 196—47.)



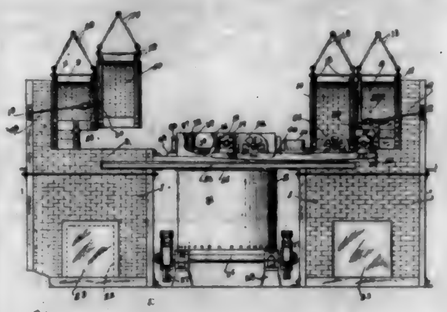
1. The process of producing low boiling hydrocarbon oils from high boiling hydrocarbon oils which comprises passing liquid oil to be treated progressively through a plurality of pipes connected in series and mounted for rotation, and subjecting the oil while in the pipes to a heat treatment sufficient to effect cracking within at least some of the pipes.

1,541,141. TYPEWRITING MACHINE. FREDERIC W. HILLARD, Tottenville, N. Y. Filed Mar. 10, 1922. Serial No. 542,662. 27 Claims. (Cl. 197—60.)



1. In a typewriting machine, in combination, a carriage normally in writing position, said carriage being adapted to be moved to a non-writing position and when so moved to be locked and key operated means to unlock the lock.

1,541,142. GLASS APPARATUS. ROBERT W. HILTON, Smethport, and JOHN L. GRAHAM, Reynoldsville, Pa.; said Graham assignor to said Hilton. Filed Dec. 3, 1920. Serial No. 428,116. 19 Claims. (Cl. 49—53.)

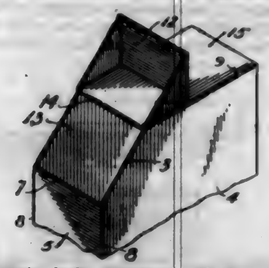


1. In apparatus of the class described, spaced draining furnaces open at their relatively adjacent sides, means for closing each furnace, a drawing furnace located between the draining furnaces, a truck supported for travel between the draining furnaces and with relation to the drawing furnace, the truck including side sills spaced to span the respective draining furnaces when the truck is at one or the other limit of its travel, bearings upon the sills, and pots having trunnions journaled in the bearings, the said bearings being of trough-like form whereby to contain a cooling fluid.

1,541,143. CARTON OR CONTAINER. RICHARD HOILE, Verona, N. J. Filed Aug. 23, 1921. Serial No. 494,472. 10 Claims. (Cl. 229—17.)

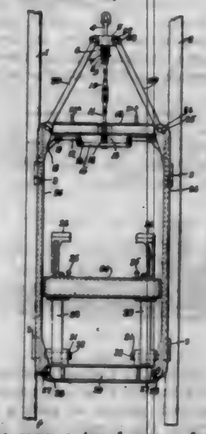
1. In a container, means for providing an access opening comprising weakening lines partially enclosing a

portion of at least three surfaces of the container, whereby the enclosed portion can be partially separated



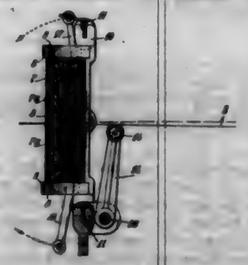
from the main body structure and swung back along an unweakened zone to provide an access opening of less than a whole surface with a hinged closure.

1,541,144. MINE CAGE. WILLIAM G. HOLMES, Danville, Ill. Filed Jan. 21, 1924. Serial No. 687,455. 16 Claims. (Cl. 187—1.)



8. In a mine cage, a top frame, a bottom frame, and side frame members connecting said top and bottom frame members, bolts passing through said members at their ends for pivotally connecting them to permit them to move relative to one another about the bolts as pivots and guides carried by the side members.

1,541,145. WARPING MACHINE. EMIL HOTTINGER-SCHLEER, Hombrechtikon, Switzerland. Filed Apr. 9, 1923. Serial No. 630,822. 11 Claims. (Cl. 28—54.)



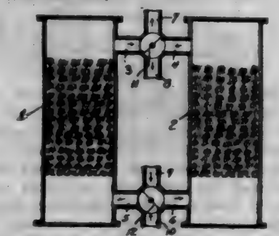
1. A reed for warping machines, comprising a number of bars arranged at a small distance from and parallel to each other, a frame in which said bars are mounted, and adjustable means adapted to impart segment shapes of different rises of arch to said bars and thereby to the reed.

1,541,146. PAPER CONTAINER. ERNEST R. HUNTLEY, Los Angeles, Calif. Filed May 22, 1923. Serial No. 640,697. 1 Claim. (Cl. 229—5.6.)



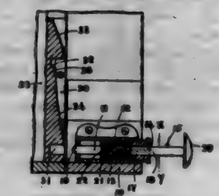
As an article of manufacture, a paper container formed of a single blank having plaited side walls and having the upper end of its walls bent outwardly and downwardly to form an inner annular ledge then bent upwardly and downwardly upon itself and terminating above the said ledge to form with said ledge a cover locking groove, the width of the locking groove being substantially the same as the thickness of the cover, and a flat cover mounted in said groove, the resiliency of the side wall permitting the insertion of the cover in the locking groove.

1,541,147. PROCESS OF DRYING AIR. KIKUNAE IKEDA and HAJIME ISOBE, Tokyo, and TSUBUJI OKAZAWA, Kitatoshima-Gori, Japan, assignors to Zaidan Hojin Rikagaku Kenkyujo, Komagome, Hongo-Ku, Tokyo, Japan. Filed June 2, 1922. Serial No. 565,431. 1 Claim. (Cl. 183—4.)



A process for extracting aqueous vapours from air containing the same consisting in alternately treating two masses of acidic clay, contacting air carrying vapors with one of the masses of acidic clay and continuing this contacting action until the clay has absorbed substantially all of the vapors from a predetermined quantity of air and in alternately contacting an additional source of heated air with the other mass of acidic clay to remove the previous accumulation of moisture therefrom.

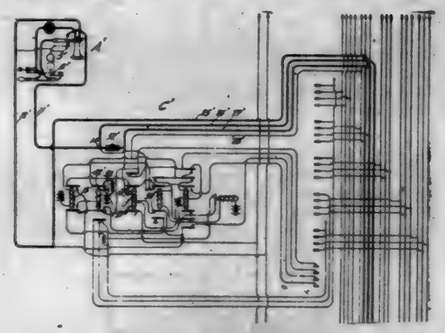
1,541,148. SASH OPERATOR AND FASTENER. RICHARD A. IRVING, Gateshead, England. Filed Mar. 26, 1924. Serial No. 701,066. 2 Claims. (Cl. 292—57.)



1. Sash operating devices for windows comprising the combination of a horizontally disposed barrel adapted to be mounted on the lower sash of the window, a spring-pressed bolt therein, and means for temporarily fixing said bolt in any one of three positions, namely a fully projected position, an intermediate position and a fully retracted position, and a socket member, adapted to be mounted near the top of the upper sash of the window, said member having a socket which can be disposed in

vertical alignment with said bolt, the lower edge of said socket being of such depth that it is cleared by the bolt in its intermediate position but is engaged by the bolt in its fully projected position, and the upper end of said socket being of such depth that it is engaged by the bolt in its intermediate and in its fully projected positions, and a rising track leading from below to said lower edge.

1,541,149. AUTOMATIC TELEPHONE SYSTEM. EMIL JACOBSEN, Evanston, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Mar. 19, 1917. Serial No. 155,651. 43 Claims. (Cl. 179—18.)



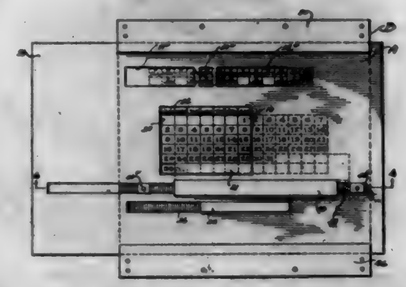
1. In a telephone system, a plurality of lines each terminating in an automatic switch, said switches having movable and fixed terminals, normal conductors for each line multiplied to the fixed terminals of the switches associated with the other lines, a condenser in one line conductor of each line, means for operating any one of said switches to connect its associated line with the normal conductors of another line to establish a talking circuit, and a transposition in the leads extending to the movable terminals of each switch, whereby an established connection will include a condenser in each side of the circuit.

1,541,150. PROCESS OF IMPROVING THE QUALITY OF BUTTER. RUDOLF KAISER, Vienna, Austria. Filed Dec. 17, 1924. Serial No. 756,558. 3 Claims. (Cl. 99—13.)

2. A process of improving the quality of butter by which inferior or rancid butter is decomposed in milk and the cream regenerated thereby is churned again, consisting in passing the butter and milk through a machine for producing a homogeneous mixture of butter and milk, heating the mixture to about 80° Celsius, separating this warm mixture of butter and milk into cream and skimmed milk in a separator rotating with a number of revolutions which is smaller than the ordinary number of revolutions, subsequently intimately mixing both products of separation by means of agitation, cooling the mixture thus obtained in a cream maturing device, adding to the milk and butter product a bacilliculture which is similar to the Tourola-yeast and develops a distinctly agreeable ethereal smell, allowing the mixture to rest for some time, and subsequently churning in known manner.

1,541,151. PERPETUAL CALENDAR. ABD-EL-RAHMAN AMER KHALIFAH, Delengat, Egypt. Filed Oct. 29, 1923. Serial No. 671,494. 5 Claims. (Cl. 40—109.)

1. In a perpetual calendar the combination of a frame, a century bearing member fixed in the frame, a year bearing member adjustable in the frame having the years from 1 to 99 indicated therein, a month bearing member adjustable with respect to the year bearing member so that the same may be arranged in the frame in a definite relation to a particular year of the year bearing member, a numeral bearing member having numerals thereon arranged in substantially calendar formation and in fixed relation with said frame, a member adjustable upon said frame having the week days delineated there-



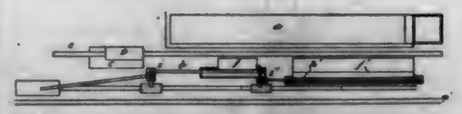
on, and means for arranging said week days according to a particular month of said month bearing member, said last mentioned member when so arranged having the numerals of the numeral bearing member correctly exposing the numerals of the calendar month indicated by said member.

1,541,152. TOBACCO PIPE. VICTOR KOBLER, Zurich, Switzerland. Filed Dec. 11, 1922. Serial No. 606,229. 5 Claims. (Cl. 131—12.)



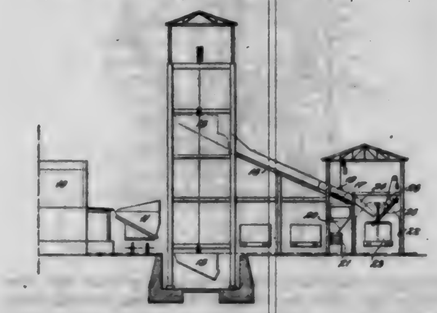
1. A tobacco pipe having a stem provided with a bore, and a part inserted in said stem and consisting of a rod and discs on said rod, spaced at such a distance from each other that upon the inserted part being immersed in a liquid the latter will adhere to said discs by capillary action and will span the intermediate spaces between adjacent discs.

1,541,153. COKE QUENCHING AND LOADING APPARATUS. HENRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 5, 1921, Serial No. 482,613. Renewed Mar. 9, 1925. 5 Claims. (Cl. 214—18.)



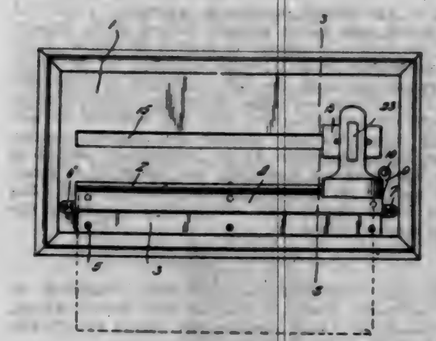
1. A coke quenching and loading device comprising, in combination: a coke oven; a car for receiving coke pushed from the oven, said car having a slanting bottom; a quenching station for quenching the coke in said car; an inclined throw-off ramp adapted to receive the quenched coke from said car; means for conveying the coke from said ramp to a screening apparatus; an auxiliary ramp of relatively greater capacity adapted for use in emergency; means associated with said auxiliary ramp adapted to transfer the coke on said ramp to either railway cars or to the conveying means of said first mentioned ramp.

1,541,154. COKE QUENCHING AND LOADING DEVICE. HEINRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed July 8, 1921. Serial No. 483,145. 10 Claims. (Cl. 214—18.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. The combination of a coke quenching oven, a coke support having an inclined bottom for receiving coke from said oven, a vertically movable coke support having an inclined bottom for receiving coke from said first support according to the sliding angle of said coke, an elevated inclined coke holding and cooling ramp for receiving coke from said vertically movable support, and screening and loading means arranged to receive coke from said ramp.

1,541,155. ENVELOPE OPENER. FRANK N. KROESEN, Indianapolis, Ind. Filed July 24, 1924. Serial No. 728,012. 1 Claim. (Cl. 164—77.)

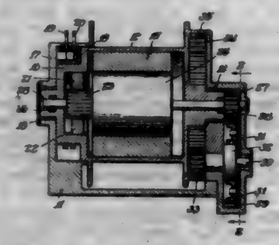


An envelope opener comprising a base having a longitudinal opening therein, a stationary cutter blade on said base, the cutting edge thereof being disposed adjacent said opening, a clamping plate mounted on said base and adapted to hold an envelope in position on the base, a stop for the edge of the envelope to be slit, a carriage slidable on the base, and a rotary cutter carried by the carriage, said rotary cutter disposed in said opening and cooperating with the cutting edge of the stationary cutter blade in slitting the edge of an envelope, means for releasing the clamping plate from engagement with the envelope, said means comprising an extension formed on one end of the clamping plate, means associated with the extension for normally holding the clamping plate under tension, and a finger projecting laterally from the carriage and adapted to engage the extension after the edge of the envelope has been slit and the carriage has traveled the full length of the opening.

1,541,156. BLUE INDANTHRENE DYESTUFF AND PROCESS OF MAKING THE SAME. GEORG KRINGLEIN, Hochst-on-the-Main, PAUL NAWIASKY, Ludwigshafen-on-the-Rhine, MARTIN CORELL, Hochst-on-the-Main, MAX ALBERT KUNZ, Mannheim, and FRITZ SCHÜTZ, Hochst-on-the-Main, Germany, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany, a Corporation of Germany. Filed July 31, 1922. Serial No. 578,802. 5 Claims. (Cl. 260—31.)

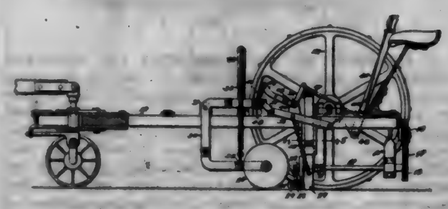
1. The process for the production of a new blue vat dyestuff of the anthracene series, consisting in dissolving the blue vat dyestuff, obtained by subjecting beta-aminoanthraquinone to the caustic potash melt, in concentrated sulfuric acid, adding to this solution sufficient water to cause the precipitation of the dyestuff but insufficient to cause the precipitation of substances which cause the dyestuff to be not fast to chlorin.

1,541,157. MOTOR HOIST. FRED H. LENLEY, Duluth, Minn. Filed Sept. 27, 1923. Serial No. 665,142. 6 Claims. (Cl. 254—187.)



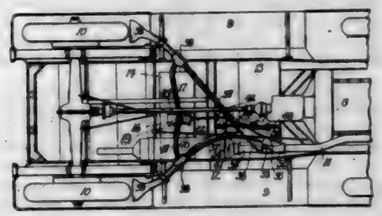
1. In a motor hoist, a hoist frame, an armature and a field, both said members being movable relative to the hoist frame, gearing adapted to connect the armature and field to control their relative movement, and a speed controlled clutch adapted to bring said gearing into operation upon one of said members reaching a predetermined speed.

1,541,158. BEET TOPPER. JOHN W. LITTLE, McCook, Nebr. Filed Feb. 24, 1922. Serial No. 538,982. 4 Claims. (Cl. 56—107.)



1. A beet topper including a supporting frame presenting vertical guides, a cutter mechanism slidable in said vertical guides, a rocker pivoted to the supporting frame in advance of the cutter mechanism, a gauge wheel mounted at the lower end of the rocker, a lever having one end pivoted to the supporting frame and its other end pivotally connected with the upper end of the said rocker, and means connecting the said lever with the lower end of the said cutter mechanism.

1,541,159. SANDER FOR MOTOR VEHICLES. JAMES MACCALLUM, Jr., St. Louis County, Mo. Filed Feb. 11, 1924. Serial No. 691,879. 1 Claim. (Cl. 291—3.)



In a sander for motor vehicles, a downwardly and rearwardly extending nozzle carried by said vehicle and located in front of and in close proximity to each of the rear wheels thereof, a venturi secured to each of said nozzles, a sand reservoir having an opening in its bottom, an inverted Y secured in said opening, a sliding valve carried by said Y for opening and closing said opening, a conduit secured to the side of each venturi and communicating with said venturi at its point of greatest restriction, the opposite ends of said conduit being secured to the branches of the wire, a conduit secured to the end of each venturi, the opposite ends thereof secured to the exhaust pipe of a motor vehicle, means carried by the exhaust pipe for directing the exhaust into said conduits, a lever having one end connected to the brake rod of said vehicle, a link pivotally secured to the opposite end of said lever and to the sliding valve, a flexible connection between the last mentioned end of the lever and the exhaust directing means, a support to which said lever is pivoted intermediate its ends, and means for moving said support whereby the valve operating and exhaust directing means can be placed in operation simultaneously with the braking mechanism of the vehicle when desired.

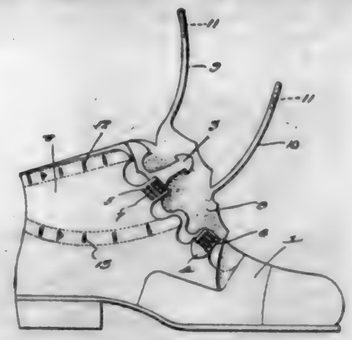
1,541,160. EDGE SPACER FOR CULTIVATED GRASS PLOTS. BERNARD MACDONALD, South Pasadena, Calif. Filed June 30, 1924. Serial No. 723,300. 3 Claims. (Cl. 94—31.)



1. A pavement for use in connection with lawns and comprising a body of plastic material having its upper surface disposed approximately flush with the surface of an adjacent lawn section and spaced therefrom laterally, said body further having a lateral extension disposed in the intervening space between the said surfaces of the lawn and the body and extending upwardly to a position substantially flush with the surface of the ground and below the adjacent surfaces of the lawn and the pavement.

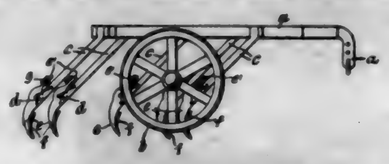
1,541,161. SHOE. PETER MANCUSO, West Hazleton, and PETER NAPOLITANO, Beaver Meadows, Pa. Filed Dec. 9, 1924. Serial No. 754,769. 2 Claims. (Cl. 36—50.)

1. In a shoe, interlocking fastening means for the forward free edges of the upper of said shoe, one side of the upper having slits formed therein, a cover secured to the free edge of the other side of the upper, said cover adapted to extend over the aforementioned fastening means and the opposite free edge of the upper, and means for securing the free edges of the cover to



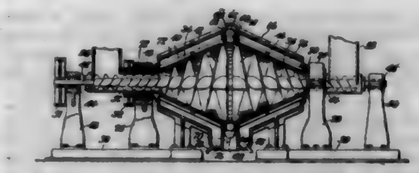
the upper comprising straps extending from the free edge of the cover and adapted to extend through said slits.

1,541,162. AGRICULTURAL IMPLEMENT. DANIEL MERCER, Kirkby, near Liverpool, England. Filed Oct. 30, 1922. Serial No. 598,080. 2 Claims. (Cl. 97—188.)



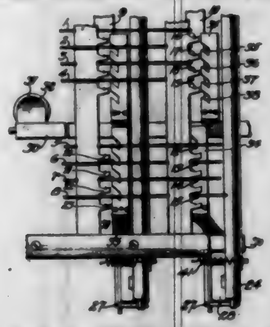
1. In agricultural implements, wherein a chank and its shovel form a unit pivotally carried by its supporting standard in a manner to prevent movement of the shovel rearwardly and permit movement of the shovel forwardly and with the unit adjustable to adjustably limit its extreme movement rearwardly, resilient means operatively connecting the unit and standard to normally return the unit to such rear extreme position when moved therefrom to an intermediate portion of the unit range of movement, and operative to retain the unit in its inactive position when the unit has been moved beyond such intermediate portion of the unit range of travel.

1,541,163. CENTRIFUGAL DRIER. TERRENCE O. WESTHAFER, Pueblo, Colo., and FRED MERLE MILLER, Chicago, Ill. Filed Apr. 7, 1920. Serial No. 371,829. 16 Claims. (Cl. 210—69.)



1. In a centrifugal drier, the combination of a perforated rotary drum, a peripheral discharge intermediate the ends of the drum, means for feeding material into both ends of the drum, means for rotating the drum at a sufficiently high speed to hold said material against the drum by centrifugal force, and means to advance the material from the ends of the drum to said discharge.

1,541,164. AUTOMATIC TELEPHONE SWITCH. VICTOR F. MILLER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 6, 1922. Serial No. 572,909. 18 Claims. (Cl. 179—27.5.)



1. In a switching mechanism, sets of active conductors, sets of passive conductors, an arm having rotary and pivotal movements simultaneously for operating said active conductors, the resulting movement of said arm being in a diagonal direction, an operating card mounted on said arm, rotary bars and means including said rotary bars for moving said arm to effect interengagement of said sets of active and passive conductors.

1,541,165. BUILDING MATERIAL AND PROCESS FOR MANUFACTURING SAME. SIMA MINACHE, Constantinople, Turkey. Filed Aug. 17, 1923. Serial No. 657,004. 3 Claims. (Cl. 18—60.)



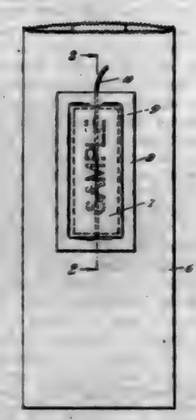
1. A building element comprising two outer layers each consisting of a mixture of magnesium chloride, water glass and calcined magnesium carbonate, and an intermediate layer consisting of a mixture of pulverized organic waste material, calcined magnesium carbonate and magnesium chloride.

1,541,166. PUMP PLUNGER. OSMIN MOWERS, Dallas, Tex., assignor of one-half to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Dec. 6, 1924. Serial No. 754,434. 11 Claims. (Cl. 103—225.)



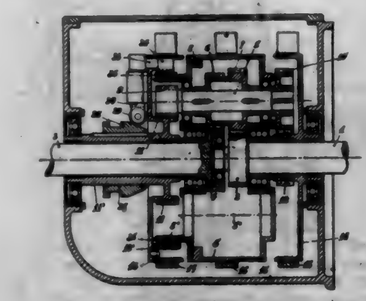
1. In a pump plunger, a rubber cup having a valve seat, a valve in the cup engaging the seat, and a foraminous reinforcing cage enclosing the cup.

1,541,167. SAMPLE-CARRYING DEVICE. ROBERT JOHN MULVEY, Chicago, Ill. Filed Sept. 14, 1922. Serial No. 588,145. 3 Claims. (Cl. 229—53.)



1. A sample carrier comprising a transparent member provided with means on its edges for fastening it on a container of merchandise and having its intermediate portion raised to enclose a sample, and pliable means extending across said raised portion for opening the same to release said sample.

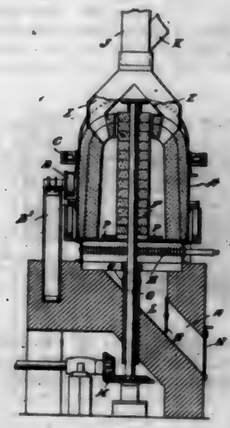
1,541,168. SPEED-CHANGING MECHANISM FOR MOTOR VEHICLES OR OTHER APPARATUS. JOSEPH NAMBOTIN, Lyon, France, assignor to Société Anonyme des Motocyclettes et Automobiles Viratelle, Lyon, France. Filed Mar. 5, 1923. Serial No. 622,885. 1 Claim. (Cl. 74—34.)



Speed change mechanism comprising a casing, a bearing in each of the end walls of said casing, a driving shaft mounted in one of said bearings and extending into said casing, a driven shaft mounted in the other of said bearings and also extending into said casing, a pinion on the end of said driving shaft, a pinion of different diameter than said first mentioned pinion mounted on the end of the driven shaft, said pinions facing one another, two axles arranged diametrically opposite one another on each side of the axis of said shafts and in the same plane therewith, a two cheeked drum freely mounted axially on said shafts and enclosing said pinions, bearings in the cheeks of said drum in which said axles can rotate said axles extending through said cheeks, two planetary wheels of different diameter keyed on each

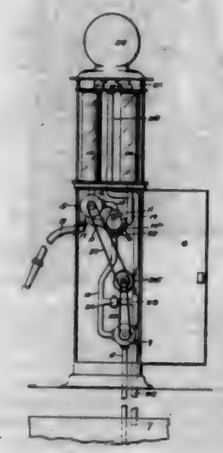
of said axles and within said drum said planetary wheels gearing with said pinions, further planetary wheels keyed on the ends of said axles outside the cheeks of said drum, a pulley mounted loosely on said driving shaft, a toothed wheel integral and co-axial therewith with which two of said further planetary wheels engage, a second pulley loosely mounted on said driven shaft, a toothed wheel integral and co-axial therewith the other two of said further planetary wheels engaging therewith, band brakes round said drum and said pulleys, means for adjusting the effective length of said band brakes, plungers operating to actuate said band brakes, means supporting said plungers, a rotatable shaft of polygonal section mounted in said casing, a cam slidably mounted on said polygonal shaft, means for sliding said cam along said polygonal shaft to actuate one or other of said plungers, a sleeve surrounding said driven shaft, and integral with said first mentioned pulley, a conical sleeve slidable on said first mentioned sleeve, means for sliding said conical sleeve, a sliding member actuated by the sliding movement of said conical sleeve an arm articulated by one end to said sliding member, a spring acting on said arm, a spindle on the other end of said arm said spindle projecting through the cheek of said first mentioned pulley, a toothed sector mounted on said spindle, a hoop integral with one cheek of said drum a band brake surrounding said cheek, one end of said brake being fixed, a block on the free end of said band brake said block having teeth gearing with the teeth of said sector.

1,541,169. CONTINUOUS KILN. SPENCER B. NEWBERRY, Cleveland, Ohio; Andrew W. Newberry, executor of said Spencer B. Newberry, deceased, assignor of one-half to Andrew W. Newberry and one-half to Arthur C. Newberry. Filed May 24, 1922. Serial No. 563,268. 7 Claims. (Cl. 222—3.)



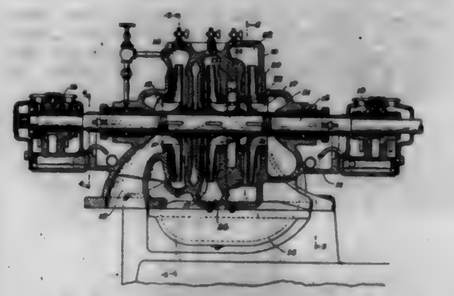
1. A kiln for calcining materials comprising a hollow shell the inner wall of which is substantially straight from the bottom to the top thereof, a substantially cylindrical core arranged in said shell and spaced from the inner wall thereof and extending upwardly and terminating adjacent the top of the shell, the space between said shell and core being unobstructed and forming an annular calcining space, means for supplying materials to be calcined to the upper portion of said space, and means for producing relative motion between said shell and core to cause the materials to travel spirally downwardly through said space during the calcining operation.

1,541,170. DOUBLE-CONTAINER, FORCE-DISCHARGE, DISPENSING APPARATUS. GEORGE BURTON NICHOLSON, Pittsburgh, Pa. Filed Apr. 2, 1924. Serial No. 703,725. 5 Claims. (Cl. 103—2.)



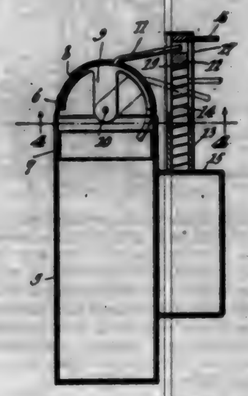
1. Apparatus of the character described comprising a pair of dispensing receptacles, means for filling one while emptying the other and power means for discharging the contents of said receptacles.

1,541,171. CENTRIFUGAL PUMP. WILLIAM H. NOBLE, Easton, Pa., assignor to Pennsylvania Pump and Compressor Company, Easton, Pa., a Corporation of Pennsylvania. Filed Feb. 20, 1924. Serial No. 694,047. 11 Claims. (Cl. 103—112.)



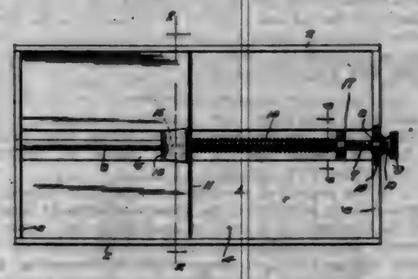
1. A multi-stage centrifugal pump comprising in combination, a pump casing comprising upper and lower halves, more than two impellers rotatably mounted therein, two of said impellers being opposed whereby they are balanced, a suction inlet at one end of the casing, a volute discharge from the first stage impeller, a conduit connecting said volute with the suction of the second stage impeller, re-directing conduits from the discharge of said second stage impeller and leading to the suction of a third stage impeller, a balancing chamber for said second stage impeller, and a volute discharge from said third impeller.

1,541,172. SIRUP CAN. VIRGIL B. NUCKOLS, Elkton, Ky. Filed Oct. 8, 1924. Serial No. 742,492. 1 Claim. (Cl. 65—31.)



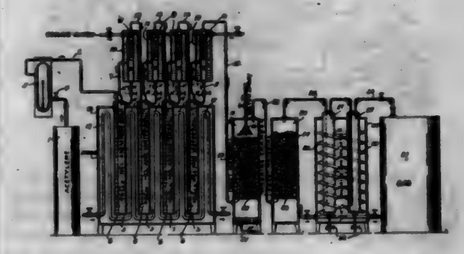
In a device of the character described, a body portion, a cover for the body portion having an opening, a pivoted closure mounted within the cover and adapted to normally close the opening, a rod extending from the cover, a handle portion, a tubular member extending upwardly from the handle portion and having a cut out portion, said rod adapted to extend into the cut out portion, a sliding block in the tubular member and having an opening to accommodate the rod, a spring for normally urging the block to the limit of its upward movement, and means for operating the block to move the closure.

1,541,173. FOLLOW BLOCK FOR FILING CABINETS. JAMES B. ORMOND, Flagstaff, Ariz. Filed Sept. 19, 1924. Serial No. 738,615. 2 Claims. (Cl. 129—32.)



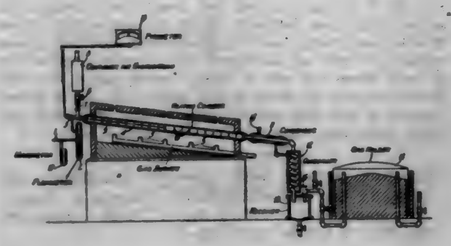
1. A filing receptacle having a recess in its bottom, a partially threaded rod mounted for turning movement in said receptacle and positioned in said recess, a nut threaded on said rod fixed against rotation but free to move along said rod, a follow block slidably mounted on said rod, a coil spring on said rod connected to said follow block at one end and at its other end connected to said nut, and means for turning said rod to relieve the tension of said spring.

1,541,174. PROCESS FOR OBTAINING VINYL CHLORIDE FROM ACETYLENE. IWAN OSTROMISLENSKY, Locust Point, N. J., assignor to the Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed Sept. 14, 1922. Serial No. 588,112. 6 Claims. (Cl. 260—162.)



1. A process for making vinyl chloride which comprises passing acetylene through a water solution of hydrochloric acid containing more than 0.1 mol. per litre of a mercury compound, and recovering vinyl chloride produced thereby.

1,541,175. PROCESS FOR PRODUCING STYROL AND ITS HOMOLOGUES FROM AROMATIC HYDROCARBONS. IWAN OSTROMISLENSKY and MORRIS G. SHEPARD, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Connecticut. Filed May 7, 1924. Serial No. 711,583. 13 Claims. (Cl. 260—168.)

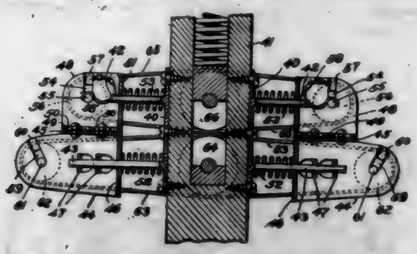


1. A process for making compounds of the type $ArCH:CH_2$ where Ar represents aryl, which comprises heating a hydrocarbon having the general formula ArC_2H_4R where R represents a monovalent substitution to a temperature of approximately 450°–700° C. and partially decomposing the hydrocarbon to form $ArCH:CH_2$.

1,541,176. PROCESS FOR THE MANUFACTURE OF STYROL OR ITS HOMOLOGUES. IWAN OSTROMISLENSKY, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn., a Corporation of Conn. Filed May 7, 1924. Serial No. 711,587. 7 Claims. (Cl. 260—168.)

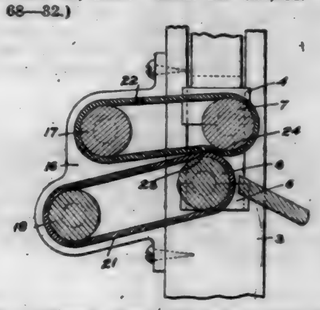
1. A process for the manufacture of $ArCH:CH_2$ where Ar represents aryl, which comprises decomposing $ArCH:CH.COOH$ in two stages at widely separated temperture ranges lying below and considerably above the boiling point of the $ArCH:CH.COOH$.

1,541,177. COMBINED BUTTON ARRANGER AND SAFETY GUARD FOR WRINGERS. OTHO M. OTTE, Tarentum, Pa. Filed Oct. 13, 1921. Serial No. 507,559. 3 Claims. (Cl. 68—32.)



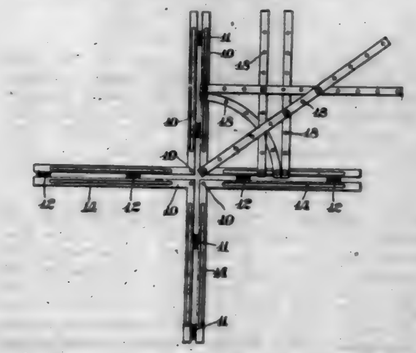
1. The combination with the compression rolls of a wringer, of a pair of endless belts for conveying material to said compression rolls and means for yieldingly supporting the outer reaches of each of said belts.

1,541,178. WRINGER. OTHO M. OTTE, Tarentum, Pa. Filed Jan. 30, 1922. Serial No. 532,758. 2 Claims. (Cl. 68—32.)



1. In a wringer, upper and lower compression rolls having their axes vertically offset, an endless belt driven by said lower roll, a roller around which said belt passes mounted in front of said lower roll, an endless belt driven by said upper roll and a roller around which said belt passes mounted in front of said upper roll and in spaced relation to said first named roller so that said belts converge from said rollers to said compression rolls.

1,541,179. DEVICE FOR USE IN TEACHING GEOMETRY OR TRIGONOMETRY. GEORGE A. PARKINSON, Madison, Wis. Filed Apr. 17, 1924. Serial No. 707,086. 7 Claims. (Cl. 35—2.)



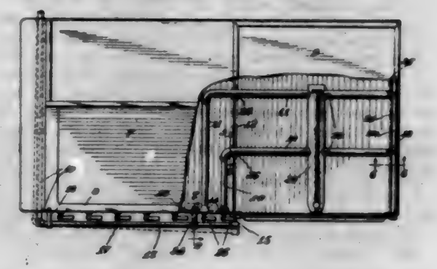
1. An apparatus adapted for use in teaching geometry or trigonometry comprising a frame composed of angle members hinged at their sides to each other to permit coinciding superposition, one of said angle members provided with a slot, a bar and means for adjustably securing said bar in said slot.

1,541,180. DENTAL CASTING MACHINE. JOHN E. PARKINSON, Seattle, Wash. Filed Oct. 22, 1923. Serial No. 670,169. 15 Claims. (Cl. 22—69.)



1. In a casting machine, in combination, a cap adapted to rest on a casting flask and having a passage for compressed air, a movable support for said cap, a valve casing having a passage communicating with said first named passage, a valve in said casing, a member carried by and movable with said support and forming means for pressing said cap against a flask, said member also being movable relative to said support, and means operated by the movement of said member relative to said support for moving said valve.

1,541,181. GAS RANGE. GEORGE E. PICKUP, Newark, Ohio, assignor to The Wehrle Company, Newark, Ohio, a Corporation of Ohio. Filed Mar. 26, 1923. Serial No. 627,832. 4 Claims. (Cl. 126—39.)



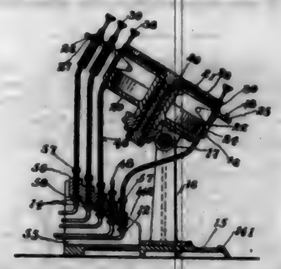
4. In a gas range, an oven having opposed side walls and a burner, said burner being mounted at one end so as to contact with one of said opposed side walls at the inner side thereof and adapted to engage with the other one of said walls whereby the burner is supported in position in the oven and serves as a stay to prevent the side walls from bulging inwardly.

1,541,182. GRADING OF ALKALINE-EARTH CARBONATES. WALTER WILLIAM PLOWMAN, East Sheen, England. Filed Apr. 14, 1922. Serial No. 552,815. 10 Claims. (Cl. 83—84.)

1. In the process of grading as hereinbefore defined of alkaline-earth carbonates, the steps consisting of admixing the carbonate in a state of subdivision with water in presence of an alkaline silicate in quantity sufficient to effect deflocculation of the carbonate, separating the alkaline-earth carbonate suspension so produced from any undeflocculated material, and separating the carbonate from its suspension.

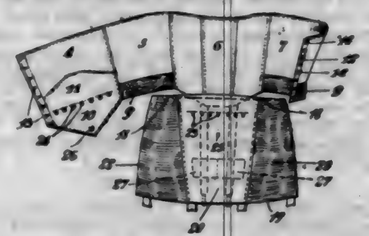
1,541,183. CODING ATTACHMENT FOR TYPEWRITERS. JAMES POWERS, New York, N. Y., assignor to American Code Machine Company, Memphis, Tenn., a Corporation of Tennessee. Filed Apr. 25, 1922, Serial No. 556,413. Renewed Apr. 30, 1925. 28 Claims. (Cl. 35—13.)

1. In combination, a support; a rotary key-carrying disk; keys on said disk in annular series; connections arranged to be engageable by any one of said keys and to engage typewriter keys; code-changing means for



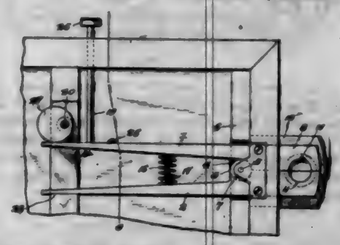
rotating said disk; and spacing means whereby the typewriter is spaced as the disk is rotated.

1,541,184. UNDERGARMENT. LESSAGE RAYMOND, Woodhaven, N. Y., assignor to Camlin Corset Co. Inc., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 13,020. 1 Claim. (Cl. 2—30.)



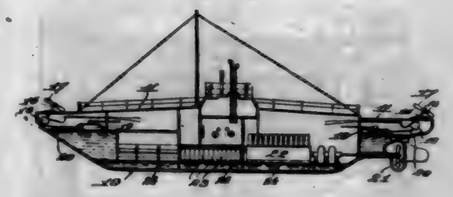
As a new article of manufacture, an undergarment of the character described comprising a brassière garment the front of which is adapted to be opened and closed to put the garment off and on, fastening means for said front, a step-in corset garment, means for securing the said front of the brassière garment to the corset garment at the front of the latter, hose supporters secured to the corset garment at the lower front edge thereof, other hose supporters, elastic straps for securing the latter to the back of the said brassière garment and a piece of fabric secured to the back of the corset garment and forming loops through which the said elastic straps pass as and for the purpose set forth.

1,541,185. SPRING GRIP LATCH FOR AUTOMOBILES, ETC. FRANK L. RICHARDSON, Jena, La. Filed Aug. 26, 1924. Serial No. 734,307. 3 Claims. (Cl. 292—49.)



2. A grip latch comprising a pair of latch members pivoted intermediate of their ends and provided at their outer portions with heads having co-acting recesses forming a keeper receiving socket, a spring interposed between the latch members at the inner side of the pivot thereof, a stop receiving the inner end of one of the latch members and operating means arranged to engage the other latch member for releasing the latch.

1,541,186. SUBMARINE VESSEL. FREDERICK RIES, Compton, Calif. Filed Dec. 26, 1924. Serial No. 757,968. 3 Claims. (Cl. 114—16.)



1. The combination with a submarine vessel, of a bearing mounted for rocking movement at the end of the hull of the vessel, an upright shaft journalled in said bearing, the upper end of which shaft extends a substantial distance above the top of the hull, a propeller mounted on the upper end of said shaft and a motor mounted on the lower end of said shaft.

1,541,187. WATER GAUGE FOR RADIATORS. RONALD ROPER, Humboldt, Iowa. Filed Apr. 14, 1924. Serial No. 706,520. 1 Claim. (Cl. 73—82.)

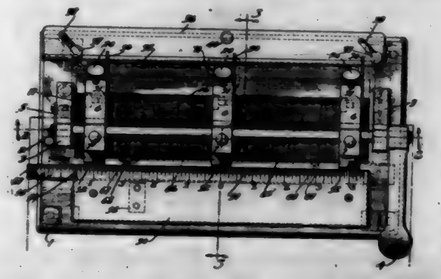


A water gauge for radiators comprising a sleeve, the upper end thereof being threaded and extending through an opening provided in the top of the radiator, clamping nuts threaded on the upper end of said sleeve on opposite sides of the radiator top for securing the sleeve in position thereon, a stem slidable in said sleeve, a float on the lower end of said stem, a cotter pin extending transversely through the upper end of said stem for indicating the position of the float and the amount of water in said radiator, said cotter pin being further adapted for engagement with the upper end of said sleeve for limiting the downward movement of the stem in the sleeve when the water in the radiator is at a predetermined level.

1,541,188. PERFORATOR. ELMER H. SALT, Norwood, Ohio, assignor to The Globe-Wernicke Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 14, 1923. Serial No. 625,161. 1 Claim. (Cl. 164—91.)

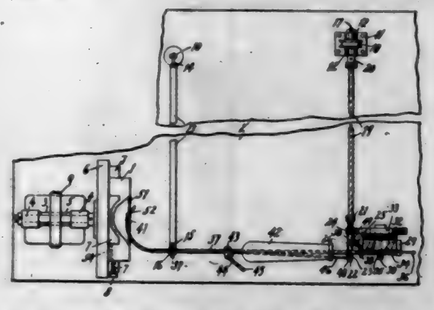
A base, a punch-operating shaft journaled upon said base, punch-carrying units slidable upon said shaft, reciprocable punch-members in said units simultaneously

operable by said shaft, stock-receiving slots traversable by said punches, plates secured to said punch carrying units bridging said slots for limiting the depth of the



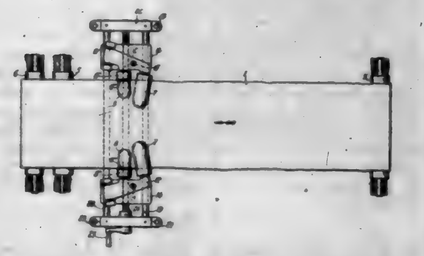
stock insertion within said slots, and an element commonly attached to said plates for unitarily adjusting the same.

1,541,189. METHOD OF AND MACHINE FOR THE INTERNAL WINDING OF WIRE. FRANK W. SICKLES, Springfield, Mass. Filed May 6, 1922, Serial No. 559,044. Renewed Nov. 7, 1924. 39 Claims. (Cl. 242—1.)



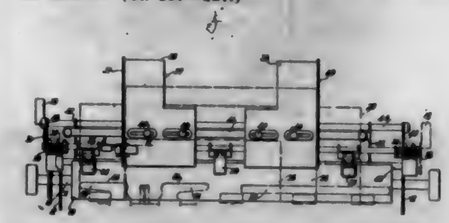
1. A method of winding wire into hollow objects, consisting in simultaneously feeding wire into a hollow object, guiding the wire fed therein, and rotating said object by the action thereon of the wire fed into the same.

1,541,190. SHEET-CONTROLLING DEVICE. CLYDE J. SMITH, Detroit, Mich., assignor to Morgan & Wright, Detroit, Mich., a Corporation of Michigan. Filed Aug. 18, 1923. Serial No. 658,191. 10 Claims. (Cl. 26—66.)



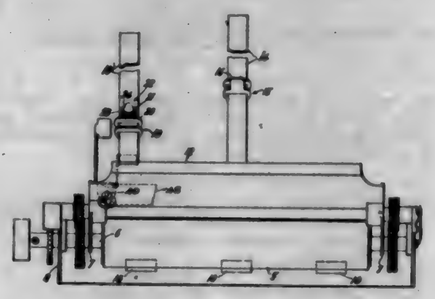
1. A device for guiding sheet material comprising two pairs of rolls for engaging both faces of a sheet at one side thereof, the axes of one pair of said rolls being inclined to the axes of the other pair of rolls, and common means supporting two of the rolls engaging one face of the sheet for insuring their automatic operation in alternation, each of said rolls being adapted to govern the movement of the common supporting means therefor.

1,541,191. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 10, 1921. Serial No. 476,422. 15 Claims. (Cl. 197—127.)



1. In a typewriting machine, a platen, a collating table at the front of the platen upon which work-sheets may be adjusted, a clamp formed to be interposed between work-sheets on the collating table for clamping one of them by a lateral margin, said clamp being movable slightly toward and from the collating table while remaining about parallel therewith, and a single side-edge gage on the collating table extending above and below said clamp, and gaging the sheets placed upon and underneath the clamp.

1,541,192. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 14, 1923. Serial No. 624,889. 12 Claims. (Cl. 197—133.)

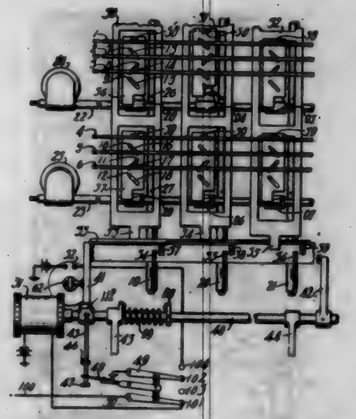


1. In a typewriting machine having means to guide superposed work-sheets with similarly perforated side margins underneath and around a platen and a web-severing device, the combination of a pin for re-registering said work-sheets relatively to one another, means at one side of said machine for adjustably supporting said pin, and means to lock said pin.

1,541,193. ELECTRICAL SWITCHING APPARATUS. PERCY C. SMITH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 5, 1922. Serial No. 604,977. 13 Claims. (Cl. 179—27.5.)

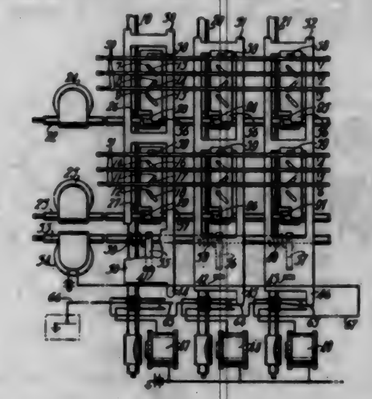
1. In combination, incoming circuits, outgoing circuits, separately movable contacts for effecting connection therebetween, a controlling member for each outgoing

circuit, operating means for moving said contacts, means within said operating means for actuating each controlling member when the corresponding outgoing circuit is



taken for use, and means associated with said members for allotting in definite order the outgoing circuits for use.

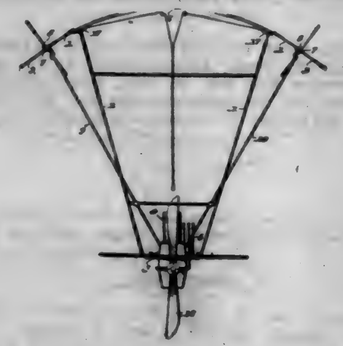
1,541,194. ELECTRICAL SWITCHING DEVICE. PERCY C. SMITH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 8, 1922. Serial No. 605,694. 10 Claims. (Cl. 179—27.5.)



1. In combination, a number of circuits each having separately movable contacts for making connection therewith, magnets individual to said circuits for preparing the contacts for operation, a controlling member for each circuit, operating means for said contacts, means controlled by said operating means for actuating each controlling member when the corresponding circuit is taken for use, and circuits associated with said controlling members for allotting said first mentioned circuits for use.

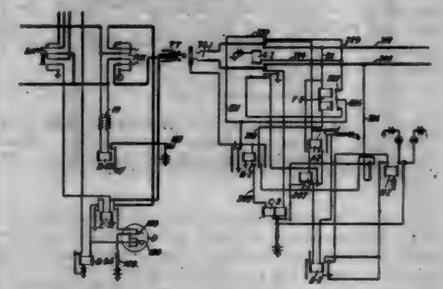
1,541,195. HELICOPTER FLYING MACHINE. ROY W. SMITH, Mechanicville, N. Y. Filed Jan. 10, 1923. Serial No. 611,776. 3 Claims. (Cl. 244—16.)

1. In a helicopter flying machine, the combination with a plane having unobstructed opposite margins, of elevating paddle wheels arranged adjacent and beyond the said unobstructed opposite margins of said plane, and means for revolving said paddle wheels in opposite directions



for the purpose of relieving the air pressure above the plane and blowing air underneath the plane against its under surface.

1,541,196. TELEPHONE SYSTEM. ARTHUR B. SPRAGUE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 15, 1923. Serial No. 619,086. 10 Claims. (Cl. 179—9.)



1. In a telephone system, a subscriber's line, a call charging device associated therewith, an operator's position, a signal thereat, a trunk circuit, means including an automatic switch for extending a connection from said line or said operator's position to said trunk circuit a connecting circuit for answering calls incoming over said trunk circuit, and means in said connecting circuit to discriminate between calls over said trunk circuit, said discriminating means serving to prevent operation of said call charging device when a call from said subscriber's line is answered and serving to control said signal when a call from said operator's position is answered.

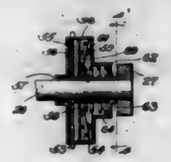
1,541,197. COMBINATION BRUSH. GEORGE W. STEIN, Los Angeles, Calif. Filed July 26, 1924. Serial No. 728,483. 3 Claims. (Cl. 15—106.)



1. The combination with a back member, of a slotted strap transversely arranged on said back member with the ends of said strap secured to said back member, a headed member arranged for sliding movement in the

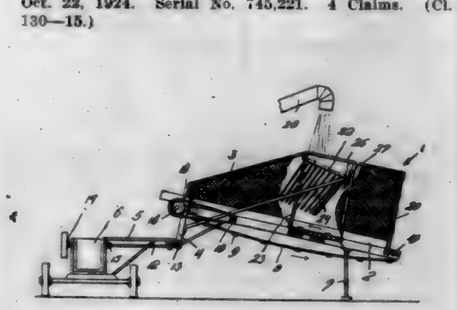
slot in said strap, with the head of said member disposed between said strap and the back member, and a brush back secured to said sliding headed member.

1,541,198. SLIP CLUTCH FOR STONE GATHERERS. LELAND D. TETER, Livingstonville, N. Y. Original application filed Nov. 25, 1922, Serial No. 603,200. Divided and this application filed Nov. 23, 1923. Serial No. 676,597. 2 Claims. (Cl. 64—99.)



1. In a machine for the purpose set forth, the combination of a gatherer shaft, a driving disk fixed to said shaft, a hollow sprocket loose on the gathering shaft housing the said disk and having one side disposed adjacent said disk, means for imparting rotation to the sprocket, a clutch plate slidably fitted within and rotatable with the said sprocket, fingers pivoted upon the rim of the sprocket and connected with said clutch plate, and yieldable means acting on the inner free ends of the fingers for normally holding the clutch plate in engagement with the said driving disk.

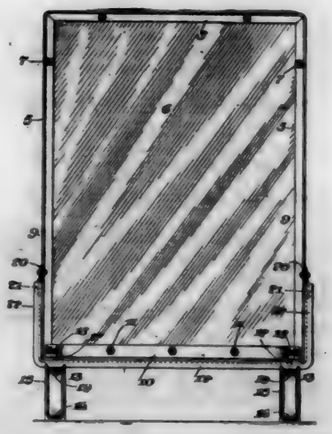
1,541,199. FEEDING ATTACHMENT FOR HAY PRESSES. EDWARD THOMSON, Ashley, Ill. Filed Oct. 22, 1924. Serial No. 745,221. 4 Claims. (Cl. 130—15.)



1. An attachment for the feeding platform of a hay press comprising a frame, wire mesh covering the sides, ends and the forward end portion of the top of the frame, an endless conveyor in the bottom of the frame co-operating at its forward end with the platform, guide means in the frame below the inlet formed in the top of the frame, said guide means comprising a U-shaped member supported in the top of the frame below the inlet opening, and rods extending downwardly from the U-shaped member in parallel spaced relation.

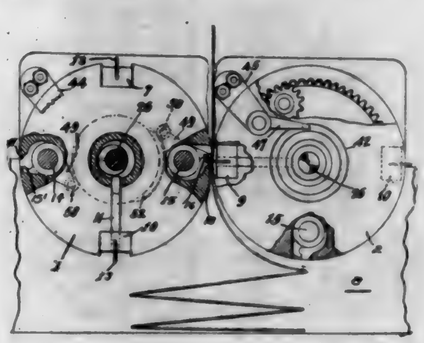
1,541,200. SIGN STAND. HERBERT G. THOMSON, New York, N. Y. Filed Apr. 16, 1925. Serial No. 23,441. 5 Claims. (Cl. 40—125.)

1. A sign stand comprising two juxtaposed corresponding frame sections connected to support a sign therebetween, said sections composed of angle bars bent to form top and side members, and cross-bars secured



to and connecting the lower ends of the side members of the respective bars, a base structure, and detachable connections between the cross-bars and said structure.

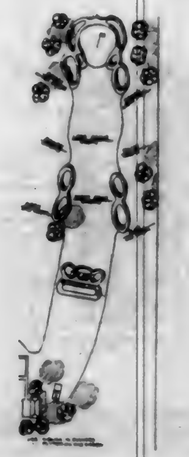
1,541,201. ZIGZAG-PAPER-STRIP-FOLDING MACHINE. EINAR G. WENNERBLAD, NELS OSCAR NELSON, and RAY C. JOHNSON, San Francisco, Calif. Filed Dec. 27, 1922. Serial No. 609,277. 4 Claims. (Cl. 270—73.)



1. A paper strip folding machine, comprising a pair of rollers between which the paper strip is passed, means to alternately crease the paper strip as it passes through said rollers in opposite directions whereby the strip will be delivered from the rolls in a series of zigzag folds and means craried by one of the rollers to cut off the paper strip after a predetermined number of folds have been made.

1,541,202. GAME. CECIL M. WINDIGLER, Washington, D. C. Filed Jan. 31, 1924. Serial No. 689,740. 15 Claims. (Cl. 273—87.)

5. In a game such as described, and in combination, a playing board with direction markings indicated thereon, cards having information thereon co-related to the markings on the playing board, dice for throwing to select the information, and vari-colored chips to be used



as counters for keeping a record of the number of strokes taken by the players as the game progresses from hole to hole.

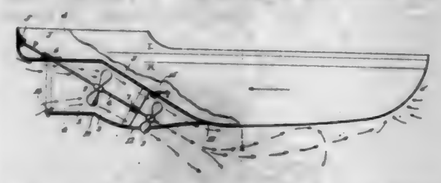
1,541,203. SIGN. GEORGE R. WOOD, Los Angeles, Calif. Filed Mar. 12, 1924. Serial No. 698,665. 4 Claims. (Cl. 40—145.)



1. The improvement in signs set forth comprising a wooden stake having a recess therein; a metal pan adapted to be fitted into and secured in the recess of said stake; a metal point secured to one end of said stake; and a metal cap at the other end of said stake.

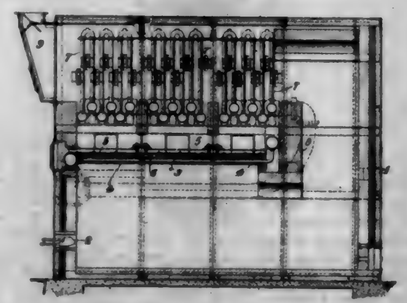
1,541,204. MARINE VESSEL. BENJAMIN FRANKLIN WRIGHT, Elk Hill, Va. Filed Mar. 3, 1924. Serial No. 696,576. 9 Claims. (Cl. 115—16.)

1. In a marine vessel, a hull having a bow front wall inclining downwardly and rearwardly and merging gradually with the bottom of the hull, a casing on the front wall of the hull forming a chamber having the width of the vessel, said chamber being open at its front end and at its lower rear end, and an inclined pro-



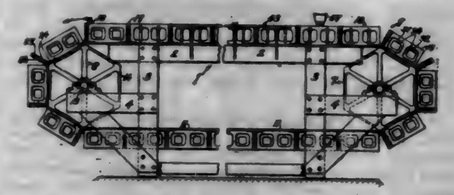
pelling means located within said chamber and adapted to drive the water therein downwardly and rearwardly, as and for the purposes set forth.

1,541,205. SUPERHEATER. JOHN E. BELL, Brooklyn, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed June 17, 1919. Serial No. 304,775. 2 Claims. (Cl. 122—485.)



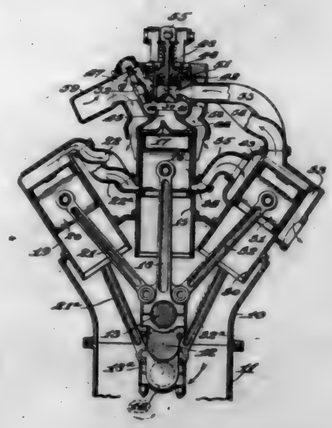
1. The combination with the furnace of a separately fired superheater divided into two compartments, of a superheater constituting a part of the partition wall between the two compartments and the surface of which is adapted to withstand and absorb radiant heat in the fire chamber, in an amount to substantially lower the temperature in said chamber, and an ordinary superheater located in the other compartment through which the hot gases pass from the first compartment or fire chamber, and connections between the two superheaters through which the steam passes from one to the other superheater.

1,541,206. HOLLOW-TILE MACHINE. ARTHUR J. BRUCE, Hollywood, Calif., assignor, by direct and meane assignments, to National Gypsum Products Company, a Corporation of California. Filed June 5, 1923. Serial No. 643,532. 7 Claims. (Cl. 25—99.)



1. In a tile machine, molds having bottoms hinged together to form a continuous belt; and pulleys around which the belt is trained, one of said pulleys having a crowned support adapted to bow up the bottoms of said molds as they pass over such pulleys.

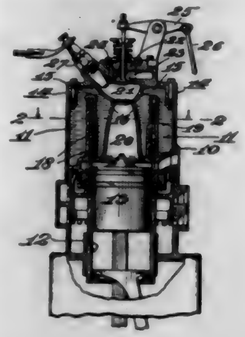
1,541,207. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Apr. 2, 1923. Serial No. 629,296. 4 Claims. (Cl. 123—55.)



1. An internal combustion engine having six cylinders arranged in two rows of three cylinders each and the individual cylinders of each row being radially disposed, a crank shaft having a fixed direction of rotation, the two first cylinders of each row in the direction of crank rotation being adapted to the function of pumping an inert scavenging and cooling volume, the two second cylinders of each row in the direction of crank rotation being adapted for internal combustion, the two third cylinders of each row in the direction of crank rotation being adapted to the function of gaseous fuel pumping, the first cylinder of each row in the direction of crank rotation functioning to provide the inert volume to the second cylinder of the other row, the third cylinder of each row in the direction of crank rotation functioning to pump the gaseous fuel to the second cylinder of the opposite row, means for supplying an inert volume to the inert volume pumping cylinders, means for supplying gaseous fuel to the gaseous fuel pumping cylinders, cross ducts from the inert volume pumping cylinders to ports that are located in the lower portions of the combustion cylinders, and ports which are uncovered and open only when the pistons in the combustion chambers are at the outer ends of their travel, cross ducts from the gaseous fuel pumping cylinders to the combustion cylinders and ignition means within said combustion cylinders.

1,541,208. INTERNAL-COMBUSTION ENGINE. EVERETT R. BURTNETT, Los Angeles, Calif., assignor, by direct and mesne assignments, to The Automotive Valves Co., Los Angeles, Calif., a Voluntary Trust. Filed Sept. 13, 1923. Serial No. 662,415. 2 Claims. (Cl. 123—178.)

1. In an internal combustion engine, the combination, with a combustion cylinder and a sleeve valve arranged for operation therein, of an inverted cylinder head secured to said cylinder and extending downwardly into the upper portion of said sleeve valve, the lower portion of said cylinder head having a compression clearance chamber, the lower portion of which gradually enlarges to the same diameter as the internal diameter of the sleeve valve, the upper portion of said cylinder head having a charge localization pocket that communicates with the upper portion of the compression clearance chamber by a Venturi passage, a centrally located poppet valve arranged in the upper portion of



said head for admitting gaseous fuel into the charge localization chamber, and ignition means projecting into said charge localization pocket.

1,541,209. ILLUMINATED GEAR-SHIFT LEVER BALL FOR MOTOR VEHICLES. BOYD COTTEN and MALCOLM L. LANDESS, Dallas, Tex., assignors of one-third to Jack Browder, Dallas, Tex. Filed Dec. 30, 1924. Serial No. 758,812. 2 Claims. (Cl. 240—7.)

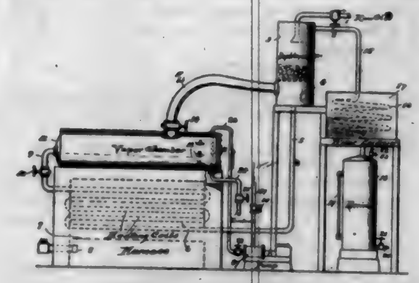


1. An illuminated gear shaft lever ball for motor vehicles, in combination with the lever, comprising a threaded tubular member screwed onto the lever, a hollow ball of translucent material removably secured to the tubular member, an insulating plug seated in the tubular member and carrying a pin under spring tension, the pin connected to a wire leading to an electric battery, an electric light globe in the ball and adapted to be advanced upon the pin and means for locking the globe in electric contact with the battery.

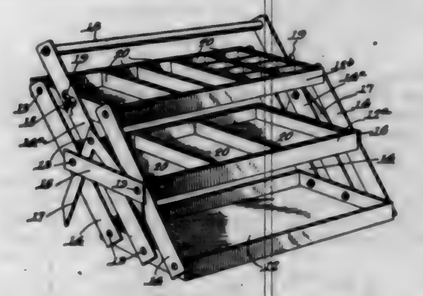
1,541,210. APPARATUS FOR DISTILLING LIQUIDS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Aug. 12, 1920. Serial No. 403,077. 2 Claims. (Cl. 196—137.)

2. In an apparatus for distilling hydrocarbon oils, the combination with a heating means where the oil is heated to a vaporizing temperature, of a vapor chamber in communication therewith, a vapor discharge line

from said chamber, a residual discharge leading therefrom, and an injector nozzle disposed within said chamber and terminating at the entrance of the residual discharge, and means for feeding liquid oil through said nozzle to maintain the discharge from the vapor chamber free of residual carbon.



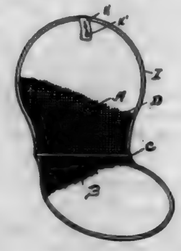
1,541,211. TOOL RECEPTACLE OR CARRIER. LEWIS E. FORD, Salamanca, N. Y. Filed Nov. 22, 1923. Serial No. 676,337. 5 Claims. (Cl. 224—48.)



5. A receptacle, for tools or the like, comprising a plurality of trays, one above the other, a plurality of uprights at each end of the receptacle to which said trays are loosely jointed, the central one of these uprights at each end of the receptacle being extended above the uppermost tray, a cross-bar connecting the upward extensions of said uprights and serving as a handle for lifting and carrying the receptacle, and members attached to the outsides of the ends of said receptacle and adapted to serve as stops to limit the sidewise or inclined adjustment of the receptacle when inclined in either direction.

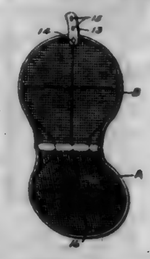
1,541,212. COOL CUSHION AND SEAT. ERSKINE POLK HARLEY, Oklahoma City, Okla. Filed June 27, 1922. Serial No. 571,132. 3 Claims. (Cl. 155—131.)

1. An article of manufacture comprising an enclosed member, a convoluted member within the enclosing member to hold the enclosing member distended and means separate and independent of the convoluted mem-



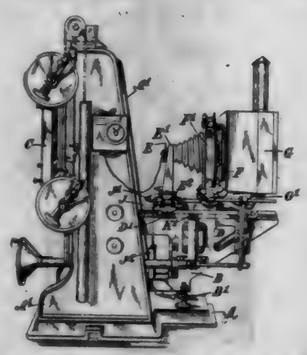
ber circumscribing the convoluted member within the enclosing member to give stability to the structure.

1,541,213. SEAT CUSHION. ERSKINE P. HARLEY, Oklahoma City, Okla. Filed Dec. 11, 1922. Serial No. 606,063. 12 Claims. (Cl. 155—131.)



1. An article of manufacture comprising a convoluted coil spring member having its convolutions positioned in a common plane, an enclosure for said member held distended by said element and transversely disposed means cooperating with oppositely disposed parts of the enclosure for maintaining the enclosure in engagement with the convoluted member.

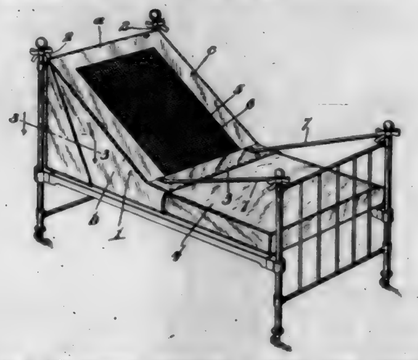
1,541,214. PHOTOGRAPHIC COPYING, ENLARGING, AND REDUCING APPARATUS. ROBERT HARRIS, London, England, assignor of one-half to Pictorial Machinery Limited, London, England, a British Company. Filed Apr. 1, 1924. Serial No. 703,418. 3 Claims. (Cl. 88—24.)



1. In a step-and-repeat machine, the combination of a fixed framework, a unit holder, a lens holder and an image screen mounted thereon, one of which components is fixed and the other two arranged to be movable rela-

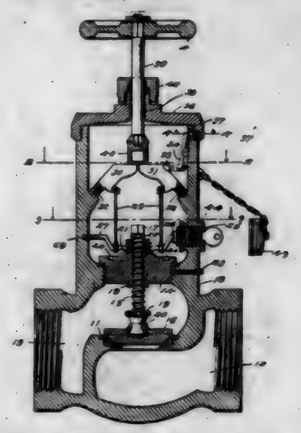
tively thereto, and automatic means whereby the movement of the one movable component so automatically controls the movement of the second movable component as to maintain an image in correct focus on the screen, which means comprises a toothed rack on the framework, a cam rotatably carried by one movable component, a pinion operatively connected with said cam and meshing with said rack, and means for maintaining the second movable component in contact with said cam, the teeth of which pinion and rack are arranged at such an angle to the axis of rotation of the cam that the "normal" pitch is a "standard" pitch.

1,541,215. BED CANOPY. MABEL J. HASTINGS, Loma Portal, Calif. Filed Nov. 13, 1922. Serial No. 600,709. 3 Claims. (Cl. 135—5.1.)



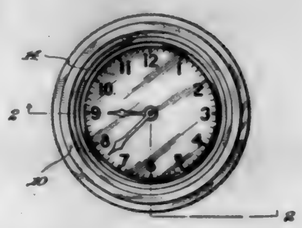
1. A bed canopy comprising a fabric sheet, flexible tie members secured to the sheet intermediate the ends thereof, the end portion of the sheet outwardly of said tie members constituting a back wall, the side portions of the sheet outwardly of said members constituting side walls, the opposite end portion of the sheet being provided with a window, and a reticulated fabric disposed over said window.

1,541,216. LOCK VALVE. VIRGIL J. HENDRICKS, Minneapolis, Kans., assignor to George E. Hendricks, Salina, Kans. Filed May 17, 1924. Serial No. 714,053. 7 Claims. (Cl. 251—20.)



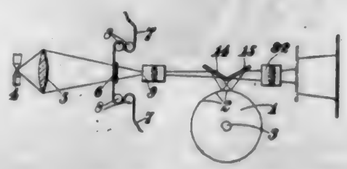
7. A locking valve comprising a casing, a cover for the casing, latch means for said cover, a valve within said casing, a detachable partition member supporting said valve, detachable valve operating means carried by said cover, pivoted stop plates adapted to be interposed between said valve and said detachable valve operating means, means carried by one of said pivoted stop plates to operate the latch means for the cover when said stop plates are shifted to their position between the valve and valve operating means; and a rock shaft having connection with said pivoted stop plates to shift the same to and from their position between the valve and valve operating means.

1,541,217. BEZEL. FREDERICK C. HEBBERMANN, Mount Vernon, N. Y., assignor to Phinney-Walker Company, New York, N. Y., a Corporation. Filed Jan. 5, 1925. Serial No. 627. 4 Claims. (Cl. 58—46.)



1. The combination with inner and outer clock casings, of a bezel screwed into the inside of the front end of the inner casing and having an outwardly extending portion forming a lap joint with the outer casing.

1,541,218. CINEMATOGRAPHIC APPARATUS. KINGSLEY HIGGINSON, London, England, assignor to Carey-Gavey Syndicate Limited, London, England, a British Company. Filed May 2, 1922. Serial No. 557,837. 6 Claims. (Cl. 88—16.8.)



1. In cinematograph apparatus of the character described, the combination of a cinematograph projector wherein the film is moved continuously through the gate, and a rotatable mirror having an external surface of regular polygonal form constituted by a plurality of rectangular mirrors arranged side by side and having each its plane parallel to the axis of rotation of the mirror, which mirror is so disposed as to intercept the beam from the projector along a line other than a radial line of the mirror and reflect the beam towards a screen, the optical refracting system constituting the objective lens of said projector being constructed to have its focal length adjustable within limits less than 10% above and below its normal value and arranged to be moved for focusing purposes toward and away from the gate.

1,541,219. TYPEWRITING MACHINE. JOSEPH B. HOLDEN, Syracuse, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Oct. 9, 1924. Serial No. 742,528. 21 Claims. (Cl. 197—198.)

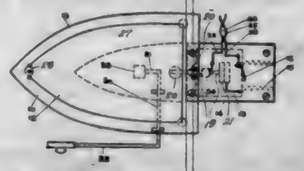


1. In a typewriting or like machine, the combination of a carriage, printing keys, a lock therefor, a key operative to release the carriage from restraint of its feed mechanism, and means controlled by said key for actuating said lock.

1,541,220. ANTISLIP MATERIAL. OTIS HUTCHINS, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed June 28, 1922. Serial No. 571,571. 5 Claims. (Cl. 106—7.5.)

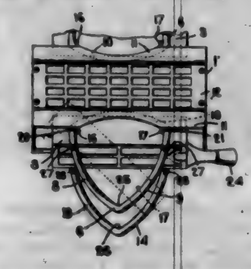
2. An antislip floor or tread surface having cement with fragments embedded therein, said fragments being broken portions of fused alumina masses having a porosity of at least 25 per cent.

1,541,221. COMBINED SUPPORT AND CONTROL DEVICE FOR ELECTRIC IRONS. JOHN F. JOHNSON, Baltimore, Md. Filed July 7, 1924. Serial No. 724,629. 6 Claims. (Cl. 219—25.)



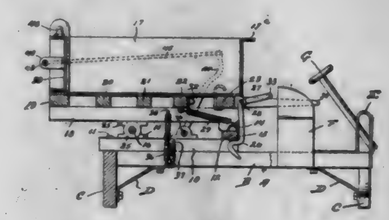
1. In a device of the character described, a base, an iron supporting member pivoted thereon, a switch operatively connected with the member whereby to be opened upon downward movement thereof, and manually movable means for holding said member against downward movement.

1,541,222. ELECTRIC TOASTER. CHARLES F. JONES, Newton Highlands, Mass. Filed Dec. 1, 1924. Serial No. 753,088. 2 Claims. (Cl. 53—5.)



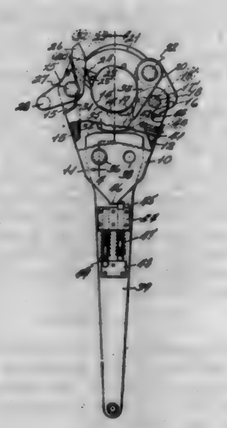
1. In an electric toaster, the combination with a frame supporting the heating element, of two skeleton guiding members extending laterally from the frame, each guiding member having a triangular shape with each side curved on an arc struck from the opposite apex, a toast holder situated between the guiding members and having two pivot pins extending from its upper edge into the upper guiding member and two pivot pins extending from its lower edge into the lower guiding member, the distance between the pivot pins of each pair being substantially the same as the radius of the arc on which each side of the guiding member is formed, whereby the toast holder may be reversed by swinging it first about the pivot pins adjacent one edge and then about the pivot pins adjacent the other edge.

1,541,223. WAGON OR TRUCK DUMPING BODY. ALLEN A. JUELFS and ALBERT JUELFS, McPherson, Kans. Filed Apr. 7, 1923. Serial No. 630,482. 7 Claims. (Cl. 298—23.)



1. In a dumping vehicle, a stationary frame, a frame pivotally mounted thereon and carrying a body having a pivoted end gate, a hand lever pivoted on one side of the movable frame, a rock shaft journaled at the forward end of the movable frame and terminating in a latch, a keeper on the stationary frame cooperating with said latch to hold the body in normal position, an arm on said rock shaft in the path of travel of said lever, arms pivoted on the stationary frame and connected with the end gate, and means on the movable frame engageable with said arm when tilted whereby to open said end gate.

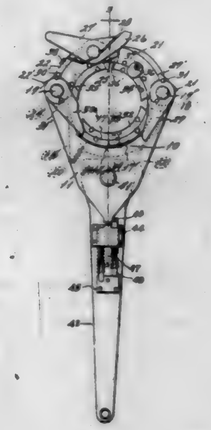
1,541,224. WRENCH. JOSEPH W. KAOUGH, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Nov. 8, 1923. Serial No. 673,608. 9 Claims. (Cl. 81—66.)



1. In a wrench, a head having a seat, a gripping jaw pivoted to the head and swinging relatively of said seat, a clamping jaw pivoted to the gripping jaw and swung

thereon, fingers carried by the clamping jaw for closing the latter, means carried by the head for fastening the clamping jaw in its closed position, a cam mounted in the head and eccentrically engaging the gripping jaw for displacing the same into clamping engagement with a pipe or the like, and a handle mounted in the head and connected with the cam.

1,541,225. WRENCH. JOSEPH W. KAOUGH, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Nov. 8, 1923. Serial No. 673,610. 8 Claims. (Cl. 81—66.)



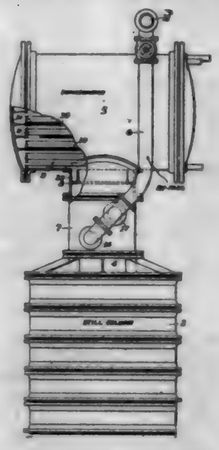
1. In a wrench, a head having a seat, a gripping jaw pivoted in the head, means for displacing the gripping jaw into gripping position, a pair of clamping jaws hinged to the head and co-acting with the gripping jaw, and jaw closing fingers detachably connected with one of the clamping jaws.

1,541,226. COUMARONE-INDENE RESINS AND PROCESS OF MAKING THE SAME. HARRY CLIFFORD KARNS, Philadelphia, Pa., assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 10, 1917. Serial No. 185,453. 26 Claims. (Cl. 260—7.)

8. A process of producing a resinous material which comprises treating, with 0.1% to 1.0% of its weight of sulfuric acid, a naphtha distillate of coal tar containing oils distilling up to approximately 200° C., to convert unsaturated hydrocarbons into substances readily separable from the oil by distillation, distilling the treated oil and subjecting the distillate to the action of aluminum chloride in an amount of from 0.25% to 1.25% of the weight of the distillate to polymerize resin-forming constituents of said distillate.

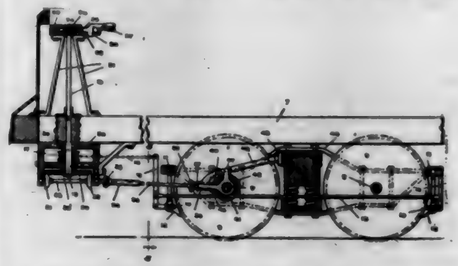
1,541,227. DISTILLATION APPARATUS. RAYMOND M. KELLY, Pittsburgh, Pa., assignor to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1920. Serial No. 401,832. 5 Claims. (Cl. 196—100.)

1. A distillation apparatus comprising a still column, a dephlegmator provided with means for circulating a cooling medium therethrough, a dephlegmator bypass, a removable section between the still column and dephlegmator serving to support the dephlegmator on the still column, a partition extending transversely in said section dividing the interior thereof into independent chambers, and pipe connections to the removable section for con-



ducting the vapors from the still column either around the partition into the dephlegmator or into the dephlegmator bypass, substantially as described.

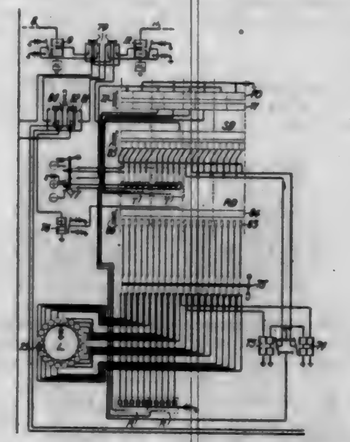
1,541,228. AUTOMATIC BRAKE. CHARLES P. LANCASTER, Three Rivers, Mich., assignor of one-half to Ester T. Griffin, Three Rivers, Mich. Filed Oct. 13, 1923. Serial No. 668,328. 2 Claims. (Cl. 188—145.)



1. The combination in a vehicle, of a wheel, brake means for retarding the motion of said wheel, a frame, a vertical shaft slidable vertically in said frame and prevented from turning, a sleeve rotatable in said frame and on said shaft and movable vertically with said shaft, a friction wheel rotatable about a horizontal axis simultaneously with the rotation of the first named wheel, a friction wheel carried by said sleeve to bear on the aforesaid friction wheel, a drum on said sleeve, a flexible element to be wound on the drum and connected to the brake means for applying it, a stand, a nut mounted for turning movement in the stand and screw-threaded on said shaft, and a handle connected to said nut.

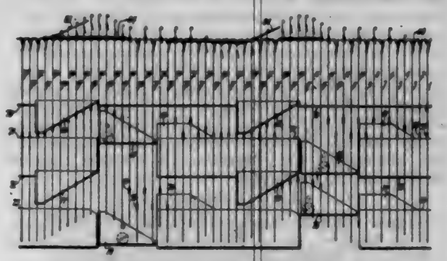
1,541,229. AUTOMATIC TELEGRAPH SYSTEM. GEORGE A. LOCKE, Glen Cove, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 23, 1922. Serial No. 602,724. 4 Claims. (Cl. 178—53.)

1. In a telegraph system, a plurality of terminal stations, a plurality of repeating stations intermediate said terminal stations, continuously operated distributors at each of said stations, means for transmitting a predetermined signal from one of said stations to one of said repeating stations, means at said repeating station for repeating said signal to the adjoining line section and thence to said other repeating and terminal stations,



mechanism at each of said stations responsive to said predetermined signal for indicating directly the amount of line lag, and means at each of said stations for compensating for said line lag in accordance with the indication given by said mechanism.

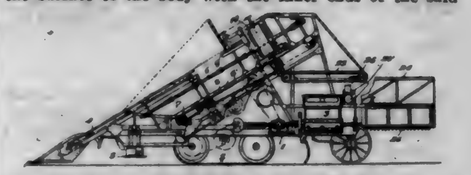
1,541,230. KNITTING MACHINE. VINCENT LOMBARDI, Brooklyn, N. Y. Filed Dec. 18, 1922. Serial No. 607,554. 22 Claims. (Cl. 66—21.)



20. In an independent needle machine for combining a plurality of independent yarns into a fabric, in combination, a row of knitting units, each comprising a yarn receiving member and a latch, and means including said yarn receiving members and said latches to manipulate said yarns to produce a fabric wherein each yarn presents a looped portion and an unlooped portion, the unlooped portion of each yarn extending along the back of a section of the fabric wherein the looped portions of certain other of the yarns are interknit and being interlocked between the loops of adjacent rows in certain of the wales thereof.

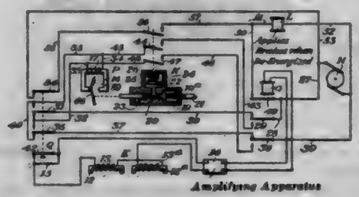
1,541,231. STRIPPER FOR CANE HARVESTERS AND THE LIKE. GEORGE D. LUCE, Watertown, Wis., assignor to Luce Cane Harvester Corporation, New York, N. Y., a Corporation of Delaware. Original application filed May 12, 1919, Serial No. 296,539. Divided and this application filed July 13, 1920. Serial No. 396,004. 33 Claims. (Cl. 130—31.)

3. In a cane stripper of the character described, a stripping brush comprising a body, wire fingers projecting therefrom formed into spring coils pivoted adjacent to the surface of the body with the inner ends of the said



fingers free to move through an angle within the body, and rods carried by the surface of the body and extending through the coils for securing the fingers to the body.

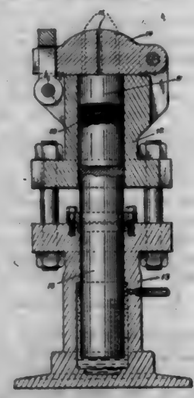
1,541,232. RAILWAY TRAFFIC-CONTROLLING APPARATUS. RONALD A. MCCANN, Swissvale, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Mar. 14, 1925. Serial No. 15,647. 5 Claims. (Cl. 246—63.)



Amplifying Apparatus

1. In combination, a stretch of railway track having positive control territory equipped with primary means for supplying train controlling energy to trains and non-positive control territory not so equipped, auxiliary means located at the entrance to said non-positive control territory for supplying an excess of energy to trains, a first relay on a train for receiving energy from the trackway, a polarized controller controlled by said first train relay, and means on the train including said first relay and said polarized controller and responsive to energy from said auxiliary means but not to energy from said primary means for conditioning the train to proceed through said non-positive control territory without interruption.

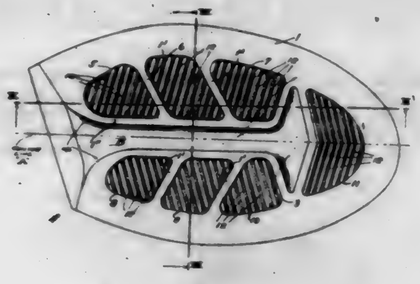
1,541,233. PREPARATIONS OF LAMPBLACK FOR USE IN COMPOUNDING RUBBER. WILLIAM W. MCMAHAN, Detroit, Mich., assignor to Morgan & Wright, a Corporation of Michigan. Filed Nov. 3, 1916. Serial No. 129,290. 2 Claims. (Cl. 100—57.)



1. A process for transforming finely divided carbon from a light, fluffy, powder condition to a solid block which comprises, subjecting the carbon as such being

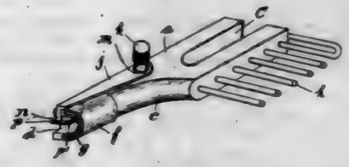
treated upon all sides to a high pressure, while simultaneously venting the mass to permit the pressure to force the air therefrom through the vent until cohesion is produced between the particles and a permanent block formed.

1,541,234. ANTISLIP SHOE SOLE. HARRY ALFRED MCKNIGHT and FRANK ELLIS BURNS, San Francisco, Calif. Filed Feb. 20, 1924. Serial No. 694,046. 3 Claims. (Cl. 36—59.)



1. A sole formed of elastic material and including a longitudinal channel closed at its front end, open at its rear and provided with parallel sides and a connecting web, the latter forming an integral part of the sole.

1,541,235. SEWING-MACHINE BINDER GUIDE. CHARLES H. SANBORN, Newburyport, Mass. Filed June 30, 1924. Serial No. 723,173. 5 Claims. (Cl. 112—138.)



5. A sewing machine binder guide comprising an arm having a transversely concave groove therein arranged to extend horizontally transversely of the end thereof in the direction of the sewing machine feed, and having means whereby a strip of galloon will be folded longitudinally as it is drawn therethrough, an edge gage mounted on said arm arranged to depend into said grovce in position to engage and guide the uppermost edge of the galloon as it is drawn through said groove, and a foot piece on the lower end of said edge gage having a face on its under side for engagement with the material to which the galloon is to be attached and having a portion projecting towards the bottom of the groove from the inner side of said edge gage to support the upper edge portion of the galleon while engaged by said edge gage.

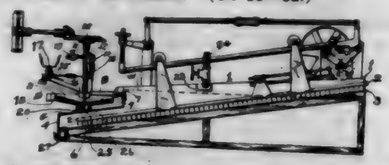
1,541,236. PROTECTOR FOR FANS AND THE LIKE. BRUNO SCHMELZER, Jersey City, N. J. Filed July 23, 1924. Serial No. 727,837. 3 Claims. (Cl. 230—1.)

1. In a device of the class described, a casing comprising a circular wire frame or disc and a plurality of rear supports each dished rearwardly and extending from the casing rim to the spindle of the fan in a single curved line to conform to the arc or contour of the surface of a fan blade but spaced therefrom to provide, by the rearwardly extending supports lying in and parallel with



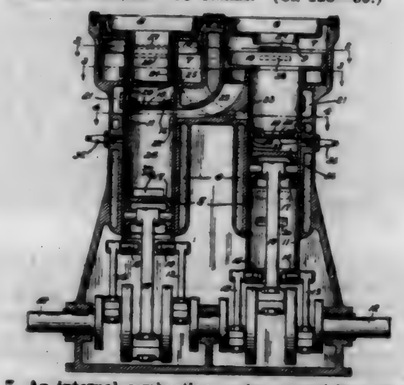
the path of the entering air, a free and unobstructed channel for the air of practically equal width throughout its length before it is deflected by the rotation of the fan.

1,541,237. CLOSED-CIRCUIT CLASSIFIER. ROLLAND S. TROTT, Denver, Colo. Filed Dec. 24, 1923. Serial No. 682,540. 35 Claims. (Cl. 83—82.)



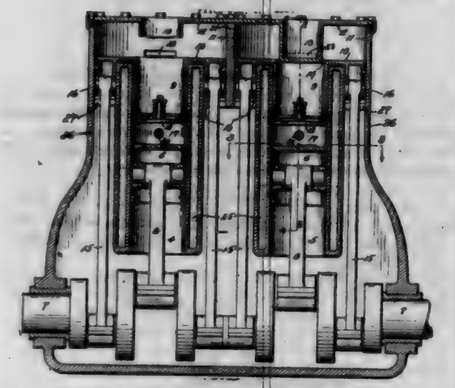
1. A classifier unit, comprising in combination, a thickener and a classifier, each provided with an overflow, the classifier having an outlet above its liquid level, a device for moving settled material to said outlet and an aperture below its liquid level, the thickener having a bottom surface adapted to receive settling material, and being provided with a discharge orifice and with a device for moving settled material toward said orifice, means joining the thickener and the classifier so that said orifice registers with said aperture, means for feeding material to the thickener, means for feeding a liquid to the classifier, and means for conveying the overflow from the classifier to the thickener.

1,541,238. INTERNAL-COMBUSTION ENGINE. JEAN A. H. BARKEIJ, Los Angeles, Calif. Filed Dec. 5, 1923. Serial No. 678,624. 13 Claims. (Cl. 123—59.)



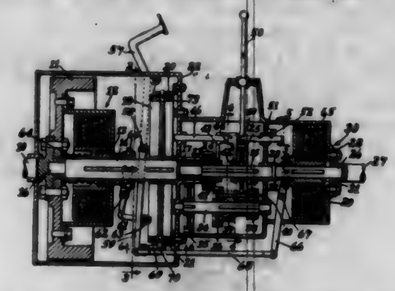
7. An internal combustion engine comprising; an adjacent pair of counterbored cylinders; compression pistons within the counterbores, having tubular trunks within the respective cylinders; power pistons within the trunks; and means for intermittently connecting one side of each compression piston to the inner end of its trunk, and the other side to the inner end of the adjacent trunk; said trunks and the respective power pistons being adapted for reciprocating oppositely.

1,541,239. INTERNAL-COMBUSTION ENGINE. JEAN A. H. BARKEIJ, Los Angeles, Calif. Filed Jan. 15, 1924. Serial No. 686,320. 6 Claims. (Cl. 123—51.)



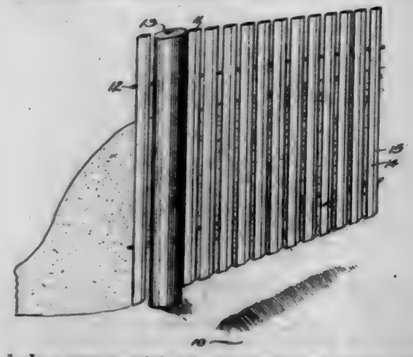
1. An internal combustion engine comprising; an adjacent pair of cylinders with power pistons therein, and directly intercommunicating counterbores; a pair of differential pistons opposed the power pistons adapted for compressing explosive mixture in said counterbores; and means for introducing and firing the thus compressed explosive mixture between said power and compression pistons; said power pistons being adapted for reciprocating in the same direction, and oppositely the compression pistons.

1,541,240. POWER TRANSMISSION. JEAN A. H. BARKEIJ, Long Beach, Calif. Filed May 19, 1924. Serial No. 714,365. 8 Claims. (Cl. 74—107.)



1. In combination with an automobile engine, a power transmission comprising a gear set, a front clutch between the driving shaft and said gear set, a brake between said front clutch and said gear set, a rear clutch between said gear set and the driven shaft, means for operating said front and rear clutches simultaneously to release said gear set from both the driving and driven shafts, said means serving to operate the brake immediately after such release to stop the gear set, and means for shifting the movable gears in said gear set while the fixed gears thereof are held from turning by said brake, said movable gears being caused by the friction in said rear clutch, to turn slowly as they pass through their neutral positions into their new engaging positions.

1,541,241. SNOW FENCE. HECTOR M. BAXTER, Battle Creek, Iowa. Filed July 1, 1924. Serial No. 723,462. 3 Claims. (Cl. 256—1.)



1. In a snow retaining fence, a series of spaced upright slats, each slat being substantially parallelogram-shaped in cross section, the lateral faces of the slats being inclined relative to the front and rear faces, the slats being so spaced that a plane passing through an acute corner of one slat perpendicular to the lateral faces of the slat will intersect the adjacent acute corner of an adjacent slat.

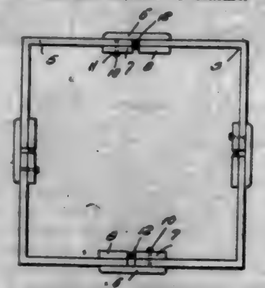
1,541,242. OIL MIXTURE FOR USE IN TREATING PETROLEUM-OIL MATERIAL. HOMER BEHM, Tulsa, Okla., assignor to The American Patent Rights Corporation, Dover, Del., a Corporation of Delaware. Filed Jan. 9, 1923. Serial No. 611,663. 4 Claims. (Cl. 196—1.)

2. A liquid composition for use in treating oils, composed of a mineral oil material, and the reaction products of lime, rosin, formaldehyde and ammonia.

1,541,243. METHOD OF PRODUCING DECOMPOSED OIL MATERIAL. HOMER BEHM, Tulsa, Okla., assignor to The American Patent Rights Corporation, Dover, Del., a Corporation of Delaware. Filed May 9, 1923. Serial No. 637,890. 8 Claims. (Cl. 196—1.)

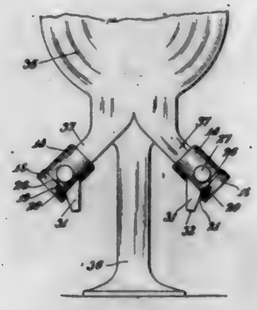
1. A process of making a decomposed oil which comprises reacting upon a solid acid material in a finely divided state, with an alkali material, while both are in a hydrocarbon oil being treated, adding ammonia and an aldehyde material, allowing to stand for at least several hours for the reaction to go on, and blending the product with a terpene oil.

1,541,244. FORM FOR CONCRETE CONSTRUCTION. WILLIAM WHITFIELD BENSON, Chipley, Ga. Filed Apr. 16, 1925. Serial No. 28,731. 3 Claims. (Cl. 25—121.)



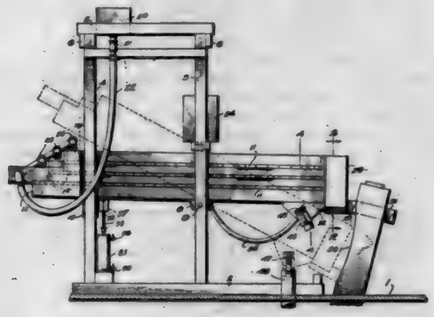
1. A form of the class described including a plurality of segments, the adjacent ends of said segments having spring means therebetween for normally holding them separated and allowing them to contract toward each other, and means for loosely holding the sections together.

1,541,245. SANITARY SUGAR DISPENSER. LEOPOLD BORNFREUND, New York, N. Y. Filed Jan. 14, 1924. Serial No. 685,988. 1 Claim. (Cl. 221—106.)



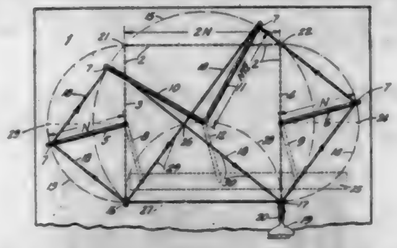
In a sugar dispenser of the class described, a container, angular outturned necks on said container, heads on said necks in communicatin with said container, each of said heads having a curved spout and a closing cap, a hollow sphere having a cut-away part forming a valve seat, a spindle within said head on which said sphere is mounted, a stud in said cap, a U-shaped bracket element mounted on said stud, and constituting a bearing for said spindle, a coiled compression spring wound about said stud for holding said sphere normally with its seat against the neck, and means for rotating said spindle to dispense a predetermined amount of sugar determined by the size of said sphere through said spout.

1,541,246. SLIME CONCENTRATOR. SAMUEL H. BOYLAN, Joplin, Mo. Filed Sept. 23, 1922. Serial No. 590,105. 4 Claims. (Cl. 83—89.)



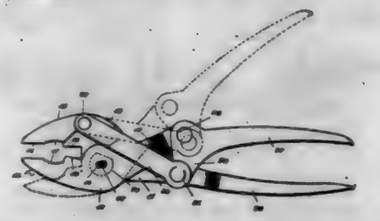
1. In a device of the character described, a pivotally mounted table, a plurality of decks mounted on said table substantially parallel to each other, said decks being provided with fabric surfaces, said table being provided with an inlet and an outlet for the introduction and discharge of material to be concentrated and being normally inclined downwardly toward said outlet, a pair of discharge members arranged adjacent said outlet end of the table, one of said discharge members being arranged above the other, said upper discharge member forming a substantial continuation of said outlet and normally communicating therewith, and means for tipping said table at intervals to bring the outlet end into communication with said lower discharge member.

1,541,247. MATHEMATICAL MODEL. MAURICE R. BROWN, Amsterdam, N. Y. Filed July 30, 1924. Serial No. 729,195. 12 Claims. (Cl. 35—2.)



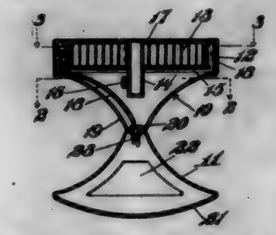
1. A mathematical model comprising flexible means forming the legs of a right triangle and two squares; a side of each square forming a leg of said triangle; and means for varying the sizes of the squares.

1,541,248. PLIERS. ELMER R. CARLSON, Galva, Ill. Filed May 17, 1924. Serial No. 713,988. 5 Claims. (Cl. 294—43.)



1. Pliers comprising crossing levers having a pivot joint at their point of crossing and cooperable jaws at one end, a handle pivoted to one of said levers, the other lever having a handle cooperable with the first-named handle to be grasped in the hand for moving said handles toward one another, said handles being at those extremities of the levers opposite to the jaws, and a link pivoted to the firstnamed handle and secondnamed lever with said link crossing, between its pivots, the first-named lever.

1,541,249. CUFF LINK. JAMES F. CONNOR, Cleveland, Ohio. Filed Oct. 25, 1924. Serial No. 745,907. 9 Claims. (Cl. 24—102.)



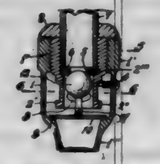
1. A cuff button comprising opposed studs, one of the studs being hollow and having a head at one end disposed in a plane at right angles to the axis of the stud, a spring-retracted drum rotatably mounted in the said hollow head and rotating concentrically to the axis of the stud, and a flexible element wound upon said drum and carried through the hollow stud and connected to the other stud, both of said studs toward their meeting ends being contracted to form relatively narrow abutting necks.

1,541,250. BOTTLE HOLDER. HERBERT CULP, Willoughby, Ohio. Filed May 14, 1924. Serial No. 713,261. 1 Claim. (Cl. 232—41.)



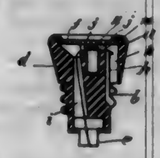
A receptacle for milk bottles comprising a box having an open upper end and adapted to receive a bottle upon the bottom thereof, a hinged cover for said box adapted to rest upon the bottom of a bottle when placed bottom-side-up in the box, whereby said hinged cover will be maintained open, said hinged cover having an inverted recess adapted to receive the neck of a bottle when placed in the box right end up, whereby said cover is permitted to close.

1,541,251. FAUCET AND SIMILAR DEVICE. ALEJANDRO DE BERNARD, Habana, Cuba. Filed May 5, 1924. Serial No. 711,217. 4 Claims. (Cl. 251—8.)



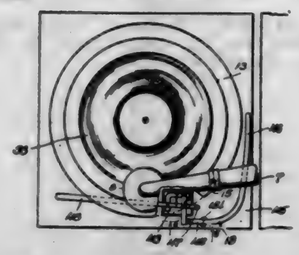
4. A valve device, comprising, a casing, a valve box within and screwed to the casing, the valve box having a projecting, smooth, bored extension limited by flanges, a supply pipe connected to the box, a valve seat at the end of the pipe, a spherical valve loosely positioned in the box, an apertured plate carried by the casing, a pusher arm on the plate in permanent engagement with the valve, screwing of the casing on the box moving the pusher arm to control opening and closing of the valve seat, and a screw in the casing projecting within the same against said smooth extension on the box to limit movement of the casing relative to the box by contact of the screw with said flanges.

1,541,252. ELECTRIC CUT-OUT. RICHARD DEDERER, Sindelfingen, Wurttemberg, Germany, assignor to William Luttgen, New York, N. Y. Filed Aug. 17, 1921. Serial No. 493,174. 8 Claims. (Cl. 200—121.)
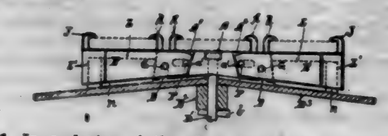


1. A fuse plug comprising in combination, a body portion provided with a terminal at one end and a side terminal, said body portion having fuse receiving channels accessible from the outer end of said body portion and terminating at corresponding ones of said terminals, a fuse link extending through said channels and electrically connected to said terminals, indicating means within said body portion and controlled by said link, said indicating means being accessible from the outer end of said body portion, and a closure for the outer end of said body portion.

1,541,253. AUTOMATIC STOP FOR TALKING MACHINES. WILLIAM R. DUNCAN, Chicago, Ill. Filed Mar. 2, 1923. Serial No. 622,317. 11 Claims. (Cl. 192—122.)



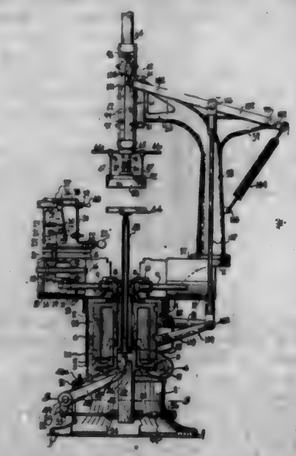
1. A stop for phonographs having reproducers provided with floating weights, comprising a brake mechanism having a trip lever, a spring plunger for engagement with said lever, a catch for holding the plunger in raised position, a weight for actuating said catch, a second catch for holding the weight in raised position and means actuated by the floating weight of the reproducer, for tripping the last named catch.

1,541,254. RUNNING-BOARD SADDLE FOR BOX CARS. MATHEW ELONEN, Conneaut, Ohio. Filed Apr. 13, 1925. Serial No. 22,880. 5 Claims. (Cl. 105—457.)



1. In a device of the class described, a plurality of base portions articulated on each other, and upwardly projecting lugs on said base portions adapted to clamp running boards between them when said base portions are in position with their upper surface in a straight line.

1,541,255. BOX-COVERING MACHINE. THEODORE A. FEDERWITZ and WALTER T. BAILEY, Philadelphia, Pa., assignors to Stokes and Smith Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 12, 1924. Serial No. 705,990. 47 Claims. (Cl. 93—54.)



1. In a box-covering machine, a longitudinally movable hollow plunger, a second plunger within and mov-

able longitudinally with respect to said first named plunger, and a form block carried by said second named plunger.

1,541,256. SATCHEL. WALTER L. FRASER, San Diego, Calif. Filed Nov. 29, 1921. Serial No. 518,521. 3 Claims. (Cl. 190—44.)



1. A satchel, comprising a flexible body portion, a pair of U-shaped frames hinged together at their free ends and attached in said flexible body portion below the top, a second pair of U-shaped frames hinged concentric with the first named U-shaped frames and attached to the top of said flexible body portion, said first and second U-shaped frames being mutually collapsible into each other to form the conventional sized satchel and extensible to enlarge said satchel and releasable means mounted on said U-shaped frames for separately securing the correspondingly hinged portions of said frames in mutually collapsed condition.

1,541,257. TREATING GREEN VEGETABLE FIBERS. EDGAR W. GRIESLER, Brooklyn, N. Y., assignor to R. H. Comey Brooklyn Company, Brooklyn, N. Y., a Corporation of New Jersey. Filed Mar. 7, 1925. Serial No. 13,858. 10 Claims. (Cl. 8—2.)

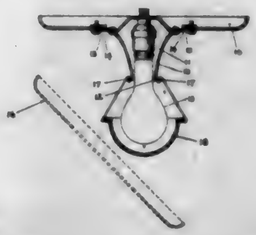
2. The process of preparing green vegetable fibers for bleaching or dyeing which comprises treating such fibers with activin.

1,541,258. SANITARY DRINKING JACKET FOR BOTTLES. WALTER GOTTLICH, Dallas, Tex. Filed Jan. 28, 1924. Serial No. 688,931. 2 Claims. (Cl. 215—100.)



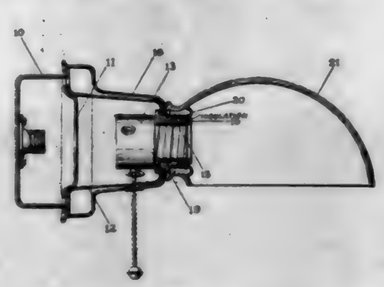
1. A sanitary mouth-guard adapted to be removably placed on a bottle neck, formed of water-proof paper and including a disk-shaped top adapted to rest on the bottle mouth, and a tubular wall adapted to surround the upper portion of the neck of a bottle, said top normally preventing the ready exit of the contents of the bottle and being provided with means to facilitate the tearing away of its central portion to furnish an indication that the guard has been used.

1,541,259. LIGHTING FIXTURE. EDWIN F. GUTH, St. Louis, Mo. Filed Feb. 23, 1923. Serial No. 620,785. 1 Claim. (Cl. 240—78.)



A lighting fixture comprising a reflecting canopy, a socket within the canopy, globe supports secured to the canopy, and a globe supported thereby, said canopy consisting of an outer annular part and a depending central part, said depending part containing a positioning flange fitting into the annular part on one end, and a flange carrying the globe supports on the other end, and being apertured for the reception of the light bulb.

1,541,260. SUPPORT FOR LIGHTING FIXTURES. EDWIN F. GUTH, St. Louis, Mo. Filed May 10, 1923. Serial No. 637,977. 2 Claims. (Cl. 20—85.)

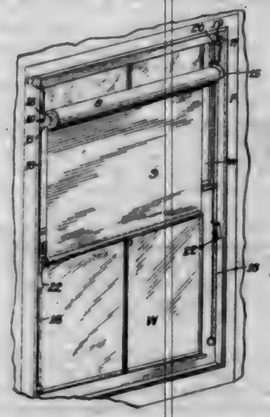


1. A supporting means for a lighting fixture comprising a retaining member secured to the junction box, or wall, and protruding therefrom, said member being provided with an opening with a straight side, a socket with an insulating member to be attached thereto and a straight side on the insulating member to engage the straight side of the opening in the retaining member, a canopy to cover the retaining member, a shade to engage the canopy and a support for the shade to clamp it against the canopy, substanially as shown and described.

1,541,261. ADJUSTABLE SHADE-ROLLER-SUPPORTING MEANS. THOMAS F. HARRIS, New York, N. Y. Filed Sept. 7, 1923. Serial No. 661,373. 1 Claim. (Cl. 156—27.)

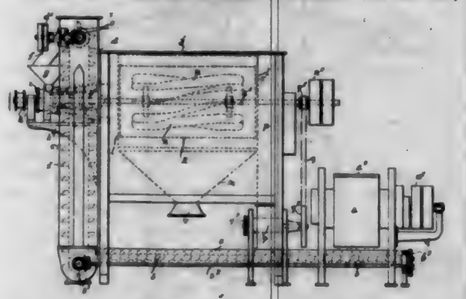
In adjustable shade roller supporting means, the combination of a shade roller having fixed and spring influenced trunnions each of which trunnions is arranged with a transverse reduced portion; plates having perforations of two different cross sectional dimensions for the insertion of the roller trunnions and the engagement of the reduced portion thereof to hold the shade roller and plates against displacement and said plate having an edge formed to tubular shape; flexible means connected at one end to said plates and the opposite ends passing through the tubular portion of the plates; brack-

ets over which the intermediate looped portion of said flexible means movably engage and guides for the



flexible means during the adjusting of the shade roller arranged with means for the engagement of said flexible means to retain the shade roller in adjusted position.

1,541,262. TREATMENT OF COCOA AND SIMILAR FOODSTUFFS. RONALD HEAD, Luton, and WILLIAM EDWARD PRESCOTT, London, England, assignors to Joseph Baker, Sons and Perkins Limited, London, England, a Company of Great Britain. Filed Mar. 17, 1921. Serial No. 453,092. 2 Claims. (Cl. 83—42.)

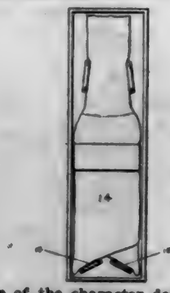


1. An apparatus for treating cocoa and similar food stuffs comprising a breaker in which the material is first reduced, a disintegrating mill embodying means for producing a current of air on the material under treatment, conveying means for transferring the material from the breaker to the disintegrating mill, a sifting device into which the material treated in the mill is delivered by said air current, means for grinding tailings from the sifting device, and means for delivering the said tailings back to the disintegrating mill for further treatment.

1,541,263. FOOD PRODUCT. CHARLES HOFFMAN, Tuckahoe, HARRY DAVETT GRIGSBY, Brooklyn, and NATHAN MINTON CRIDGE, New York, N. Y., assignors to Ward Baking Company, New York, N. Y., a Corporation of New York. Filed Oct. 1, 1921. Serial No. 504,698. 15 Claims. (Cl. 99—11.)

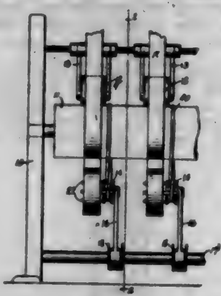
2. The method of producing a food product rich in water-soluble B vitamines from such raw materials as rice polishings, wheat bran, cereal germs, and the like, which comprises cooking the raw material until the starch present is gelatinized, and saccharifying the gelatinized starch by the action of malt diastase thereon; substantially as described.

1,541,264. HOSIERY BOX. GEORGE R. HOLLAND, Brooklyn, N. Y. Filed Oct. 6, 1920. Serial No. 416,068. 3 Claims. (Cl. 206—44.)



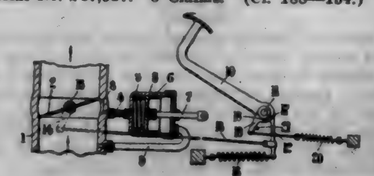
1. In a device of the character described, in combination, a box for enclosing hosiery having cut out and bent up from its bottom member two pairs of flaps, one pair of which is adapted to embrace therebetween an upper portion of hosiery position in the box and the other pair of which are positioned at an angle one with another and adapted to engage and support the lower ends of said hosiery, the said box comprising a paper member upon its bottom covering the openings left by said flaps.

1,541,265. NARROW-WARE LOOM. ELDRIDGE R. HOLMES, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed July 12, 1921. Serial No. 484,196. 10 Claims. (Cl. 139—310.)



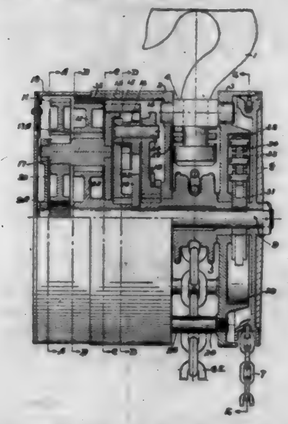
10. In a narrow ware loom, in combination, a tube, a driven roll on which said tube is supported, said roll having an axially extending recess with a raised intermediate portion, and a resilient arm secured at one end in said recess and having its middle portion engaged by said raised portion, the free end of said arm having a spur yieldingly engaging said tube to drive the same.

1,541,266. VACUUM-OPERATED BRAKE. WILLIAM O. KENNINGTON, London, England. Filed Nov. 5, 1924. Serial No. 747,917. 6 Claims. (Cl. 188—154.)



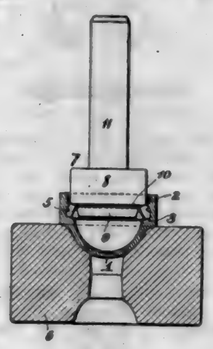
1. A vacuum operated brake mechanism for automobiles and like vehicles, comprising, the combination of the usual brake and throttle mechanism, and means operated by the suction of the engines to actuate the brake mechanism when the throttle is moved beyond what is normally the closed position.

1,541,267. HOISTING BLOCK. JOHN W. KITTREDGE, Akron, Ohio. Filed Dec. 13, 1920. Serial No. 430,406. 19 Claims. (Cl. 254—171.)



1. In a hoisting block, a combination of driving elements so co-acting as to form a planetary gear drive, a second combination of driving elements co-acting in a different manner from the first combination so as to form a different planetary gear drive, and the said driving elements comprising a planetary gear train; said planetary gear train in combination with a frame, a driven wheel, a lifting line, a winding connection between the driven wheel and the lifting line, and means controlled by the load on the lifting line which shift the drive from one planetary gear drive to the other.

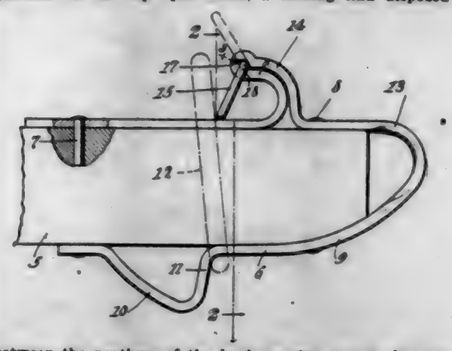
1,541,268. TOOL. FREDERICK K. LANDGRAF, Pittsburgh, Pa., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa., a Corporation of Delaware. Filed Jan. 24, 1921. Serial No. 439,507. 1 Claim. (Cl. 81—15.)



A tool for applying gaskets within hollow members having internal annular shoulders, comprising a body portion adapted to enter into the hollow member, said body having a tapering extension and an annular flattening shoulder at the juncture of said extension with said body portion, said shoulder providing a surface adapted to engage a gasket within the hollow member and press it flatly against the shoulder in the latter.

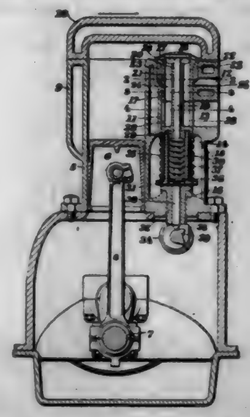
1,541,269. POLE CAP. WILLIAM J. MCFERRAN, Pierre, S. Dak. Filed Apr. 7, 1924. Serial No. 704,779. 4 Claims. (Cl. 278—51.)

1. A pole cap including a lower offset portion defining a shoulder to be engaged by a ring member of a neck yoke, an offset portion formed along the upper edge of the cap to provide a hook member, and formed by bending portions of the cap upon itself, a locking link disposed



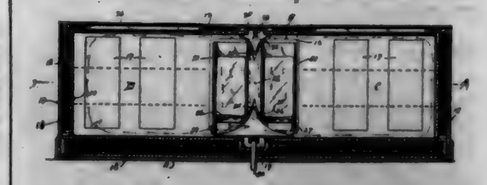
between the portions of the hook member, means for setting up a binding action between the hook member and link member, and said link member adapted to provide an abutment for a neck yoke ring supported on the cap.

1,541,270. INTERNAL-COMBUSTION ENGINE. CHARLES B. MEREDITH, Corning, N. Y., assignor of one-half to George W. Pratt, Corning, N. Y. Filed Apr. 27, 1923. Serial No. 634,979. 4 Claims. (Cl. 123—188.)



1. A valve structure for internal combustion engines comprising a tubular exhaust valve having radially extending fins, and an intake valve mounted in the exhaust valve and being surrounded by the fins.
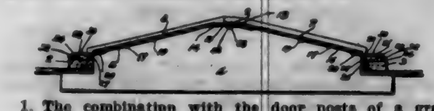
1,541,271. FREEZER CASE OR REFRIGERATOR. LOUIS B. MOORE, St. Louis, Mo. Filed Feb. 2, 1924. Serial No. 690,246. 3 Claims. (Cl. 62—87.)



2. In a refrigerator, a medially disposed ice chamber, a metallic ice container mounted within said chamber and formed to provide two compartments, the compartments being separated by an air space and the air space being bounded by end walls and the upper ends of the

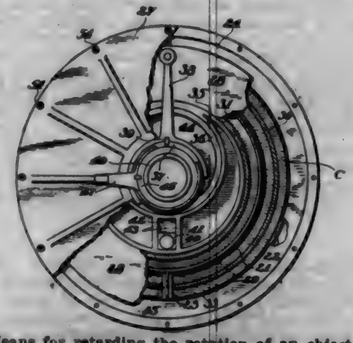
end walls having downwardly extending V-shaped cut-away portions and the lower ends of the walls having V-shaped cut-away portions, a deflector supported above the floor of the chest and V-shaped in cross section and having a length equal to the width of the two ice containers projecting upward into the cut-away portions of the end walls of the air space, a deflector V-shaped in cross section and having its ends disposed in the cut-away portions of the upper ends of the walls of the air passage, the last named deflector being hollow and having an opening at its lower end, the deflector having its end walls extending above the ice container and into proximity to the top of the ice chest, the remainder of the ice chest being divided into compartments for food open at the top and bottom, the deflectors acting to cause a circulation of air downward through the air space, laterally in opposite directions beneath the food compartments, upward through the food compartments, and back to the upper end of the air space, the top of the chest being provided with an opening immediately above the upper deflector, and a removable door normally disposed in said opening, a motor, and a fan operated by the motor and carried by said door and normally disposed between the two upwardly divergent walls of the upper deflector and acting to force air downward between the walls of the upper deflector into the upper end of the air space, and tracks extending transversely across the walls of the refrigerator disposed in proximity to said door, the ice container having walls engaging said tracks and the ice container being independently movable through the door opening.

1,541,272. GRAIN DOOR. JAMES LITTLE NEILSON, Winnipeg, Manitoba, Canada. Filed Sept. 25, 1923. Serial No. 664,727. 4 Claims. (Cl. 20—28.)



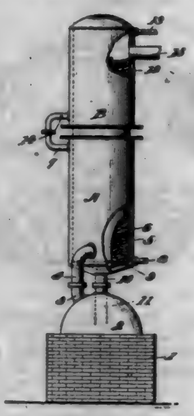
1. The combination with the door posts of a grain car, of a grain door formed from a pair of sections converging inwardly of the car and having their outer ends butted against the posts and their inner ends lapping, a vertical strip secured to the inner end of each section and abutting the adjacent end of the other section and means for releasably locking the lapped ends of the sections together.

1,541,273. FLUID BRAKE. HARVEY C. NUCKOLS, Long Beach, Calif. Filed Sept. 7, 1923. Serial No. 661,443. 15 Claims. (Cl. 188—90.)



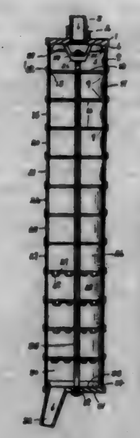
1. Means for retarding the rotation of an object, comprising a chamber for retaining a fluid and adapted to rotate with the object, means for dividing the space in the chamber so that continued rotation thereof will be resisted by the necessity for the fluid to pass from one part of the chamber into another part through a restricted connecting space.

1,541,274. PROCESS OF DISTILLATION. HARRY FRANKLIN PERKINS, Port Arthur, Tex. Filed Jan. 17, 1922. Serial No. 529,862. 5 Claims. (Cl. 196—93.)



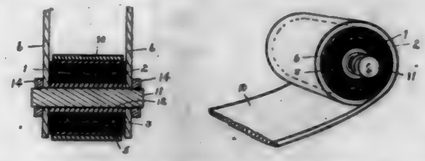
1. In the distillation of fractions or "cuts" of petroleum oils the process which comprises producing vapors of the oils to be distilled, transmitting said vapors in a tortuous pathway through a metallic packing of material freely conducting heat and positively maintained at the temperature near but somewhat above the end point of the cut to be made, then through a similar device maintained at a temperature within 6 degrees Fahrenheit of the end point of the cut to be made and finally condensing residual vapors to afford such cut.

1,541,275. MUFFLER. HERBERT SPENCER POWELL, New Hartford, N. Y. Filed June 6, 1923. Serial No. 643,771. 3 Claims. (Cl. 137—160.)



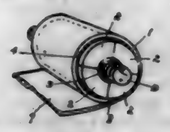
1. In a muffler for explosive engines built of a plurality of sections, a chamber for the expansion of the gases, said chamber being equipped with a plurality of sections having unperforated peripheral flat flanges for cooling the exhaust gases, said flanges forming central apertures for the passage of said gases, said flanges being disposed in alignment with each other, whereby the central apertures will provide a substantially unobstructed passage for said gases, and other sections equipped with a plurality of conical shaped apertures, whereby to break up and segregate exhaust gases.

1,541,276. JOINT FOR THE SPRINGS OF MOTOR VEHICLES. HERBERT SPENCER POWELL, New Hartford, N. Y. Filed July 5, 1923. Serial No. 649,500. 6 Claims. (Cl. 267—54.)



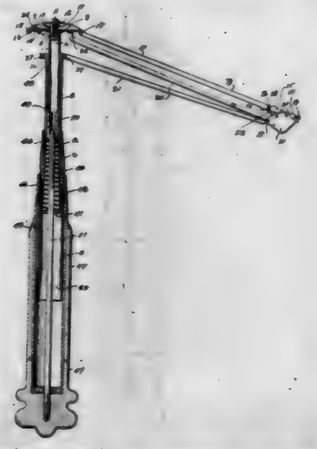
1. In a joint for the springs of motor vehicles, a shell containing a flexible material projecting beyond the edges of said shell, a sleeve passing through said flexible material, and means permitting said shell to be removably mounted to the spring ends and shackles of motor vehicles.

1,541,277. JOINT FOR THE SPRINGS OF MOTOR VEHICLES. HERBERT S. POWELL, New Hartford, N. Y. Filed Dec. 15, 1924. Serial No. 756,009. 7 Claims. (Cl. 267—54.)



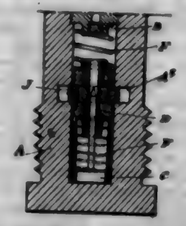
1. In a joint for the springs of motor vehicles, a shell containing removable flexible members adapted to fit together, a sleeve passing through said flexible members, and means permitting said shell to be removably mounted to the spring thereon in shackles of motor vehicles.

1,541,278. UMBRELLA. FRANK J. PUGEL, Pueblo, Colo. Filed Apr. 17, 1924. Serial No. 707,196. 11 Claims. (Cl. 135—22.)



9. In combination with an umbrella having a stick comprising two telescoping sections, ribs pivotally engaged with the outer end portions of the inner section of the stick, each of said ribs comprising two sections, a plate with which the adjacent end portions of the rib sections are pivotally connected, the pivoted end portions of one of the rib sections extending beyond its pivotal connection with the plate, a link pivotally connected with said extension and with the second section of the rib inwardly of the pivotal connection between said second rib section and the plate, a stretcher pivotally connected with the plate and with the outer end portion of the inner section of the stick, a stretcher pivotally connected with the plate and with the outer end portion of the outer section of the stick, the pivotal connections between the sections of the rib and the plate being offset one with respect to the other, the pivotal connection between the plate and the inner section of the rib being disposed inwardly of the pivotal connection between the outer section of the rib and the plate when said sections are extended.

1,541,279. MECHANISM FOR FIRING PERCUSSION OR TIME FUSES. LÉON EMILE REMONDY, Rueil, France. Filed Aug. 15, 1924. Serial No. 732,309. 18 Claims. (Cl. 102—39.)



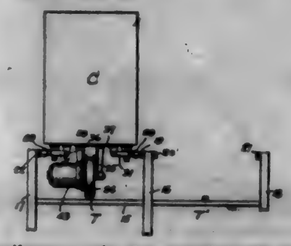
5. A fuse for projectiles comprising a body, primer and striker elements in said body, one of said elements being situated forwardly of the other of said elements, and means for preventing accidental firing of the fuse, said means including a separator body, and a spring for moving said separator body into engagement with the rearwardly situated element to prevent the latter from contacting the forwardly situated element.

1,541,280. SPRING ATTACHMENT CASTER. DANIEL BENSON REPLOGLE, Berkeley, Calif. Filed Aug. 1, 1924. Serial No. 729,418. 3 Claims. (Cl. 16—30.)



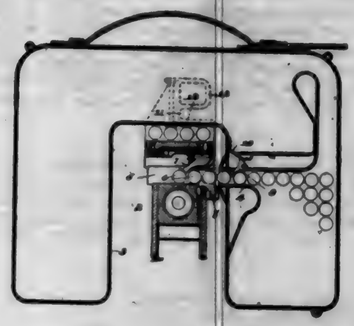
3. In a caster of the kind described, spring actuated attachment means in combination with a hub, a main body of rubber encasing said hub and constituting a tire having an integral central web, forming a buffer upon and completely covering an end of the hub, and a spindle secured to the attachment means, journalled within the hub.

1,541,281. RAILWAY. FLOYD H. RICKER, Los Angeles, Calif. Filed Apr. 22, 1924. Serial No. 708,137. 6 Claims. (Cl. 105—144.)



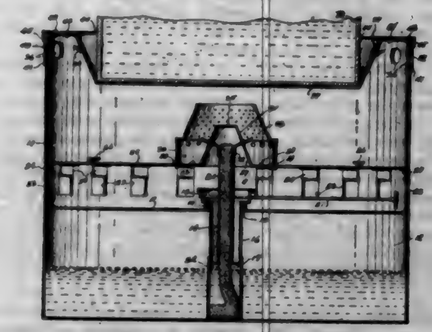
2. In a railway, a pair of mono-rail tracks, guide rails above and at opposite sides of the mono-rail tracks, with a pair of guide rails for each of the tracks, and a common supporting means for the adjacent guide rails of said pairs.

1,541,282. FEED BOX FOR CARTRIDGE BELTS OF MACHINE GUNS. HERBERT O. RUSSELL, Detroit, Mich., and CHARLES LEIGH PAULUS, Dayton, Ohio. Filed Apr. 18, 1922. Serial No. 555,416. 5 Claims. (Cl. 89—33.)



3. A machine gun belt feed box provided with means for securing the box to a gun, the said means permitting the release of the box from the gun by a movement of the box laterally with respect to the gun.

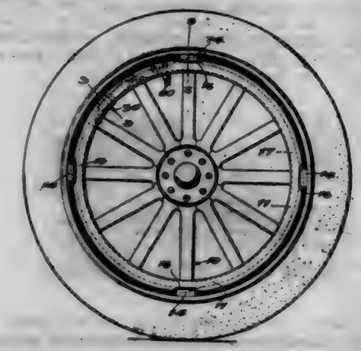
1,541,283. LAMP HEATER. JOHN M. SARGEANT, Elmira, N. Y. Filed Apr. 19, 1924. Serial No. 707,712. 4 Claims. (Cl. 126—258.)



1. In a heater, a cylindrical casing, a heater within the casing at the lower end thereof, a dished receptacle mounted within the casing and having an outstanding flange resting upon the upper surface thereof, said receptacle being provided upon the outer edge of the flange with a depending flange fitting against the outer wall of the casing, said depending flange and the wall of the casing having a plurality of openings formed therein, said receptacle being rotatable to control the alignment of said openings.

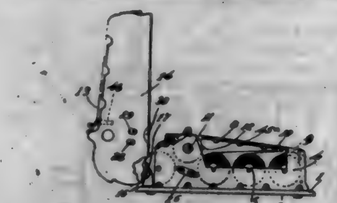
1,541,284. WHEEL. FRANK WILLIAM SCHROEDER and JOHN WESLEY WILCOX, Bemidji, Minn. Filed Apr. 22, 1924. Serial No. 708,251. 2 Claims. (Cl. 301—26.)

1. In combination, a wheel having a fixed rim, a demountable rim adapted to be mounted on the fixed rim, wedges on said demountable rim, a carrier mounted on the fixed rim and comprising a ring shiftable circumferentially with respect to the fixed rim, wedges on said carrier, means for shifting the carrier to bring the wedges thereof into engagement with the wedges of the demountable rim or to move said wedges out of engagement with each other, and releasable locking means for holding the carrier in position to maintain the wedges engaged, said releasable locking means including a ratchet carried by



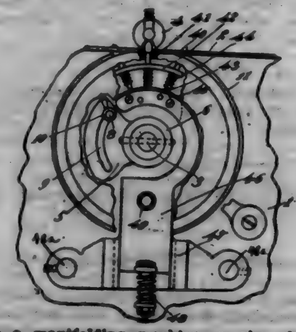
said ring and a plurality of independently swingable pawls carried by the fixed rim and cooperable with the ratchet, the teeth of the pawl being staggered.

1,541,285. MANIFOLDING MACHINE. JOHN Q. SHERMAN and ALBERT W. METZNER, Dayton, Ohio; said Metzner assignor to said Sherman. Filed Sept. 15, 1921. Serial No. 500,898. 20 Claims. (Cl. 282—15.)



1. In a manifolding machine, the combination with a framework, paper feeding and supporting mechanism therein, and a cabinet adapted to come down over said framework so as to enclose its sides, top and ends, and having open spaces therein to expose a certain portion of the frame for making impressions upon the paper, of a hinge structure for the cabinet, comprising interengaging means on the cabinet and the frame adapted to retain said parts together in an arc of movement limited in scope from closed position of the cabinet to a substantially vertical position therefor.

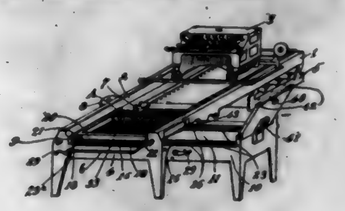
1,541,286. MANIFOLDING MACHINE. JOHN Q. SHERMAN, Dayton, Ohio. Filed Sept. 19, 1921. Serial No. 501,601. 17 Claims. (Cl. 281—1.)



1. In a manifolding machine, a pin wheel feed for paper strips, and means operating in conjunction with the said feeding means for removing the pins and paper

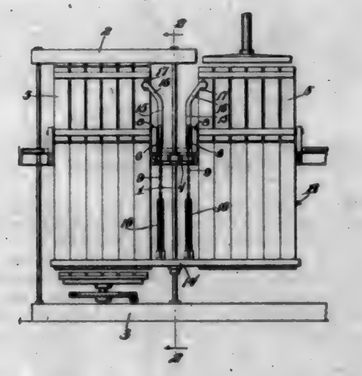
from operative juxtaposition, said means being adjustable for duration of operation during portions of single cycles of operation of the pin wheel feed.

1,541,287. MANIFOLDING DEVICE. JOHN Q. SHERMAN, Dayton, Ohio. Filed May 11, 1922. Serial No. 560,237. 19 Claims. (Cl. 197—126.)



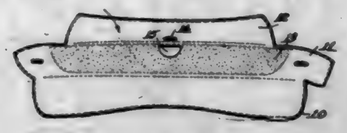
1. A means for printing plural copies, which comprises an assembly of pins having independent movement, means for holding the pins together so as to permit of the depression of selected pins to penetrate the plural copies, and means for applying ink to the pins prior to their penetration of the plural copies.

1,541,288. COTTON PRESS. FERMAN A. SMITH, Coleman, Tex. Filed Nov. 22, 1924. Serial No. 751,675. 3 Claims. (Cl. 100—28.)



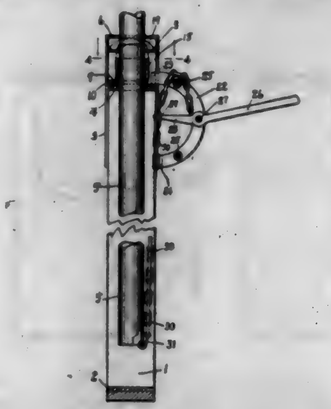
1. In a cotton press, the combination of a press box having a swinging side door, an arm supported by the box for swinging movement and having contact with the door, and a spring engaged with the arm and placed under tension when the door is moved into open position to cause said spring and arm to automatically swing the door in the opposite direction.

1,541,289. COLLAR. STEVE STOMI, Worcester, Mass. Filed July 31, 1924. Serial No. 729,219. 4 Claims. (Cl. 2—138.)



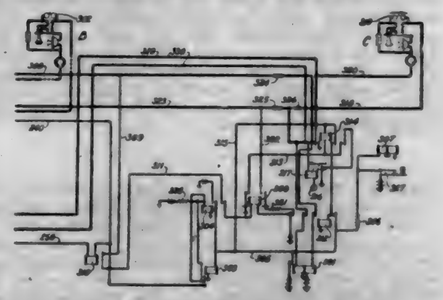
1. A collar having an outer portion, a neck band, and a supplementary flap forming with said neck band a tie passage, one side wall of said passage being of material which is softer and more yielding than the other side wall of said passage.

1,541,290. SHORE. FRANK J. STREIT, Cincinnati, Ohio, assignor of one-half to David B. Kaufmann, Cincinnati, Ohio. Filed May 5, 1923. Serial No. 636,980. 2 Claims. (Cl. 254—148.)



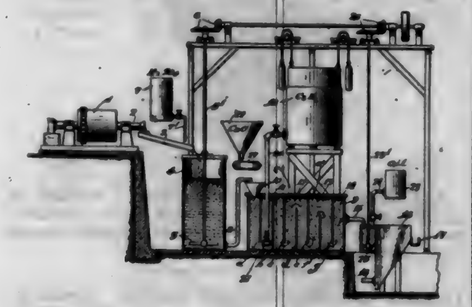
2. A shore including a frame provided with an apertured head, a plate arranged in the frame and provided with an aperture, a pipe slidably arranged in said apertures and provided at one end with a supporting block, a casing arranged in the frame at one side of said plate and surrounding the pipe, a stationary corrugated jaw arranged in the casing and adapted to grip one side of the pipe, a movable corrugated jaw arranged in the casing and gripping the opposite side of the pipe, means extending through the frame and casing and engaging the movable jaw to permit the operator to actuate the latter from the exterior of the frame, a ring loosely mounted on the pipe, means for canting the ring to cause the latter to automatically grip the pipe and prevent the latter from moving downwardly, said ring being accessible from the exterior of the frame to permit the operator to move the ring into a position at right angles to the axis of the pipe, a bracket detachably connected to the frame, a lever pivotally mounted in the bracket, and a chain detachably connected with the lower end of the pipe and engageable with the lever to permit the latter to raise the pipe when force is exerted on the lever.

1,541,291. TELEPHONE-EXCHANGE SYSTEM. DAVID L. TEMPLE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 28, 1922. Serial No. 603,754. 8 Claims. (Cl. 179—9.)



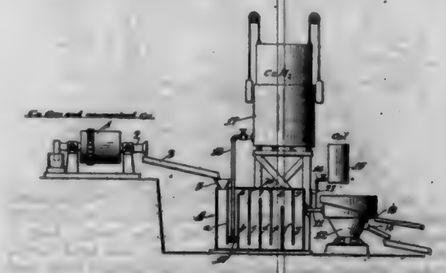
1. In a telephone exchange system, a calling line, a called line, a second called line, call charging mechanism associated with said calling line, switching means for extending a connection from said calling line to either of said called lines, means associated with said switching means for applying ringing current to the line called, means associated with said switching means for operating said call charging mechanism following the successful establishment of a connection between said calling line and one of said called lines, a relay individual to the other of said called lines operative upon the seizure thereof, a second relay operated thereby for opening the circuit of said first relay, and a circuit controlled jointly by said relays for rendering said ringing current applying means inoperative, and for rendering ineffective said call charging operating means.

1,541,292. PROCESS OF TREATING ORES. JOSEPH T. TERRY, Alhambra, Calif., assignor of one-half to James E. Lacy and one-eighth to Richard H. Lacy, both of Los Angeles, Calif. Filed Oct. 29, 1924. Serial No. 746,525. 4 Claims. (Cl. 83—85.)



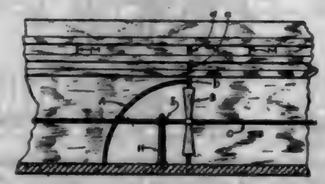
1. A process of treating metalliferous ores, comprising subjecting the ground ore to the action of a solvent of metals, precipitating dissolved metals in the pulp as insoluble compounds other than sulphides, treating the pulp with acetylene to form metal acetylide at least in part, and separating by the flotation process a concentrate containing metal acetylides.

1,541,293. PROCESS OF TREATING ORES. JOSEPH T. TERRY, Alhambra, Calif., assignor of one-half to James E. Lacy and one-eighth to Richard H. Lacy, both of Los Angeles, Calif. Filed Oct. 29, 1924. Serial No. 746,526. 3 Claims. (Cl. 83—85.)



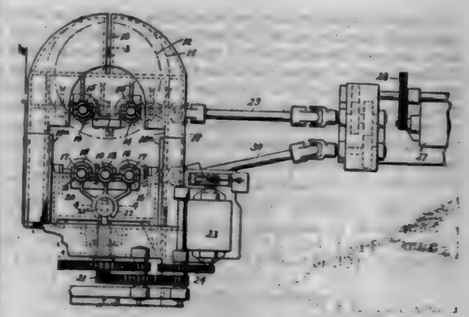
1. A process of extracting copper from ores, comprising treating pulverized ore containing copper in a non-acid solution containing ammoniacal copper with acetylene to form copper acetylide at least in part, and separating the copper from the pulp by the flotation process.

1,541,294. REVERSIBLE CIRCULATION INTERNAL-FAN KILN. ROLF THELEN, Madison, Wis. Original application filed Apr. 19, 1924, Serial No. 708,323. Divided and this application filed Mar. 7, 1925. Serial No. 14,422. 14 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883; 22 Stat. L. 625.)



1. In a double track dry kiln arranged for edge stacking: two series of fans; two shafts on which the fans are mounted for rotation; means for rotating said shafts in either direction to cause reversal of the circulation of the air and vapor in said kiln; and an air distributing system comprising said deflecting partitions, two main air distributors, and two sets of diffusers for each main air distributor.

1,541,295. METHOD OF STRAIGHTENING METAL PIECES. IVOR D. THOMAS, Cleveland Heights, and PAUL H. DOUGLAS, East Cleveland, Ohio, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 29, 1919. Serial No. 347,887. 2 Claims. (Cl. 153—54.)

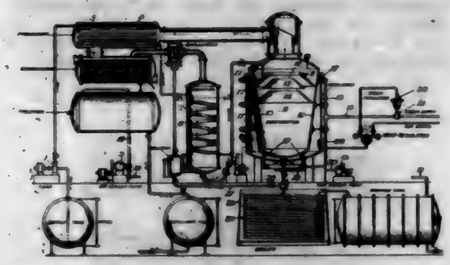


1. The method of straightening which comprises placing a piece to be straightened between two sets of rolls, applying power to one set so as to move it toward the other and straighten the section of the piece between the rolls, rotating the rolls in one direction so as to straighten the portion of the piece at one end of the section which has been straightened, and then in a reverse direction to straighten the portion on the other side of the straightened section.

1,541,296. DEALCOHOLIZING PROCESS. WILLIAM B. UHLEIN, Milwaukee, Wis. Continuation of application Serial No. 215,278, filed Feb. 4, 1918. This application filed Jan. 19, 1923. Serial No. 613,777. 31 Claims. (Cl. 195—1.)

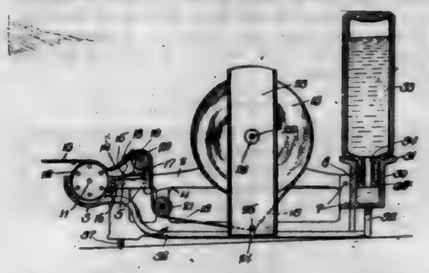
1. The herein described method of dealcoholizing an alcoholic beverage which consists in rapidly and unin-

terruptedly passing the beverage through a high vacuum and momentarily imparting heat thereto at a relatively



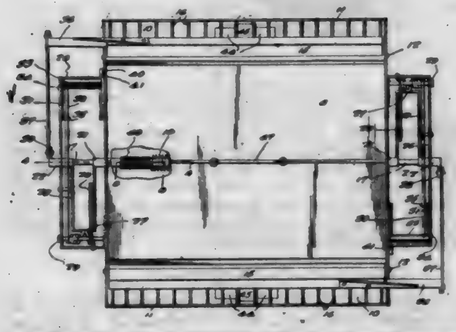
high rate under a relatively low temperature while it is passing through the vacuum so as to volatilise and liberate alcohol practically instantaneously.

1,541,297. TAPE-MOISTENING MACHINE. VANDIVER J. VAN HORN, Chicago, Ill. Filed Feb. 23, 1922. Serial No. 538,458. 1 Claim. (Cl. 91—14.5.)



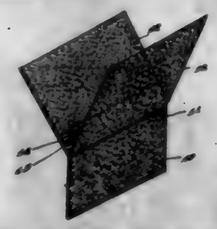
A tape moistening machine comprising a frame; a moisture-supplying hopper at one end of the frame; a receptacle for an inverted bottle mounted on the other end of the frame; a holder for a roll of gummed tape between the hopper and bottle; a pipe connecting the bottle receptacle and the hopper, extending below the holder; a distributing roller in the hopper; and means for adjusting the elevation of one end of the frame to change the height of the water level in the hopper.

1,541,298. ANIMAL TRAP. WILLIAM H. DE RELLE, Newark, N. J., assignor to Henry J. KLUSMIRE, Holton, Kans. Filed Jan. 14, 1924. Serial No. 686,118. 4 Claims. (Cl. 43—61.)



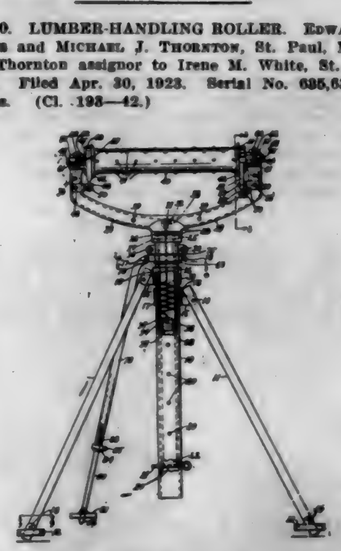
4. In a trap, a compartment, swinging doors normally closing the sides of the same, runways outwardly of the doors, bars mounted above the runways, sweep fingers projecting from the bars, a shaft having a bail fixed on one end and a second bail journalled on the other end, a single impelling spring for rotating the shaft and its attached bail in one direction and for rotating the second bail in an opposite direction, a connection between each bail and one of said bars, separate means for normally holding the bails against rotation, a trigger plate arranged in each runway, a connection between each trigger plate and one of said holding means for releasing the latter when the associated trigger plate is depressed, said compartment embodying a removable pan positioned between the runways, and having inwardly projecting flanges, and further swinging doors disposed inwardly of the first named doors.

1,541,299. DRESSING FOR WOUNDS. ARTHUR LOUIS WALTERS, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana. Filed July 5, 1921. Serial No. 482,305. 5 Claims. (Cl. 206—63.2.)



1. A dressing for wounds, comprising a plurality of layers of absorbent material superposed to form a flexible, flat pack, and a frangible medicament container among such layers.

1,541,300. LUMBER-HANDLING ROLLER. EDWARD R. WHITE and MICHAEL J. THORNTON, St. Paul, Minn.; said Thornton assignor to Irene M. White, St. Paul, Minn. Filed Apr. 30, 1923. Serial No. 635,636. 5 Claims. (Cl. 193—42.)



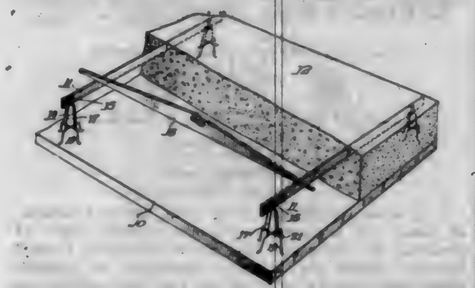
1. In a device of the class described a portable stand comprising a central, vertical, tubular body, a horizontally disposed roller, a head with two arms having each a journal bearing for one end of the roller, said head having a stem slidable and rotatable in the tubular body, and means for holding the stem at various elevations in the body, in which the stem has its upper end provided with a fixed collar rotatable in an annular groove in the head and a spring arranged to maintain a predetermined rotary relation between the head and the stem, and means engaging the lower end of the stem to resist its rotation in the body.

1,541,301. SOLDERING DEVICE AND MATERIAL. JOHN H. WHITE, Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 16, 1924. Serial No. 686,515. 5 Claims. (Cl. 75—1.)



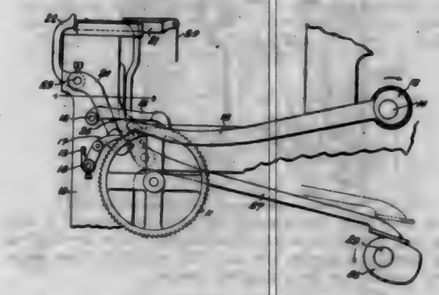
1. An alloy composed of nickel, tantalum, and columbium, the nickel constituting about 95% of the alloy.

1,541,302. CHAIR FOR CONCRETE LEVELING DEVICES. WILLIAM E. WHITE, Chicago, Ill., assignor to Kalman Steel Co., Chicago, Ill., a Corporation of Delaware. Filed July 31, 1922. Serial No. 578,574. 4 Claims. (Cl. 72—122.)



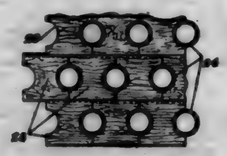
2. A skeleton chair composed of wire and consisting of a base and superstructure, said base being in the form of crossed U-shaped members and said superstructure being in the form of similarly placed U-shaped members, the legs of the superstructure being welded to the horizontal members of the base.

1,541,303. LET-BACK MECHANISM FOR LOOMS. JOSEPH WILKINSON, Fairhaven, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed June 18, 1923. Serial No. 645,968. 3 Claims. (Cl. 139—313.)



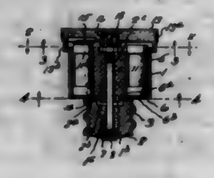
1. In a loom, a take-up mechanism comprising a ratchet wheel, a take-up pawl for said ratchet wheel, actuating mechanism therefor, a holding pawl, a let-back pawl, means to disengage said holding pawl from said ratchet wheel while said ratchet wheel is being moved by said take-up pawl, and to thereafter disengage said take-up pawl from said ratchet wheel on the idle return movement of said take-up pawl.

1,541,304. BAFFLE WALL FOR BOILERS. EINAR A. WINHOLT, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed Dec. 27, 1921. Serial No. 525,120. 3 Claims. (Cl. 110—98.)



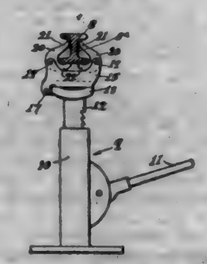
1. In a water tube boiler, the combination with the boiler tubes, of blocks adapted to be inserted between the tubes, the sides of said blocks recessed to receive one-half the circumference of the tube, said recesses shaped to closely fit the tubes throughout the thickness of the blocks, the top and bottom edges of contiguous blocks provided with engaging means adapted to hold the blocks in position.

1,541,305. MULTIPLE-FUSE PLUG. GEORGE T. WOODIN, Newport, N. Y., assignor of one-half to William S. Thorpe, Lakewood, Ohio. Filed July 30, 1921. Serial No. 488,520. 2 Claims. (Cl. 200—125.)



1. In a device of the character described, the combination of a base having a central contact and a shell plug contact, an annular plate in electrical engagement with one of said contacts, a magazine member having chambers the lower ends whereof are crossed by said plate, the said plate being embossed upwardly in each of said chambers, a fuse casing in each chamber adapted to engage the embossed portions of the plate at their lower ends respectively, and an arm in electrical engagement with the other of said contacts and adapted by its rotation to engage the upper ends of the said casings successively.

1,541,306. AUTOMOBILE JACK. ERICK A. YOUNG, Los Angeles, Calif. Filed Mar. 18, 1924. Serial No. 700,032. 9 Claims. (Cl. 254—133.)



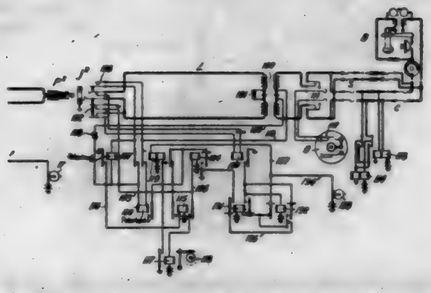
1. In a jack, a lifting member having mounted thereon a pivoted jaw, said jaw having a portion engageable beneath the body to be lifted, and a second portion engageable upon the side of the body to be lifted when the first mentioned portion is pressed downwardly.

1,541,307. KNIFE CONSTRUCTION. HENRY J. ZINN, Forty Fort, Kingston, Pa. Filed Apr. 30, 1924. Serial No. 709,940. 11 Claims. (Cl. 30—9.)



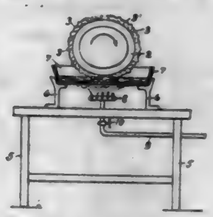
1. The herein described composite cutting blade comprising a thin wafer-like core of high grade material, and a sheath substantially coextensive in length with said core and constituting a reenforcement and stiffening means therefor, a portion of the side of said sheath being spaced from said core and said side contacting said core only at the edge of said side.

1,541,308. TELEPHONE SYSTEM. WALTER F. ALBERT, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 31, 1923. Serial No. 660,284. 12 Claims. (Cl. 179—9.)



1. In a telephone system, a two way trunk circuit a registering device therefor, and means including a polarized relay for rendering said device operable to register calls in one direction only, over said trunk.

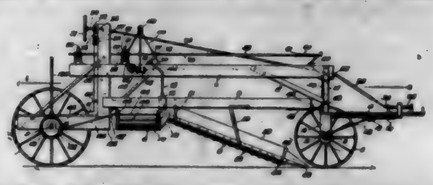
1,541,309. MANUFACTURE OF HATS. JOSÉ ALVARES ALBA, Habana, Cuba. Filed Mar. 31, 1923. Serial No. 629,023. 3 Claims. (Cl. 2—193.)



1. A process for the manufacture of hats of straw having a flange at the edge of the brim prior to ironing, comprising, ironing the hat whereby the flange is flattened out by the action of ironing, and then dampening the flange until it recovers the shape it had prior to the ironing, said dampening being effected by hot acidulated water.

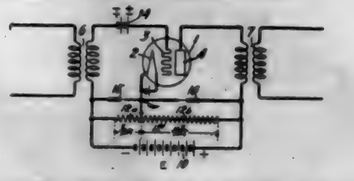
1,541,310. ROAD CLEANER. ANDREW C. ANDERSON, Hazard, Nebr. Filed Dec. 23, 1924. Serial No. 757,728. 15 Claims. (Cl. 37—102.)

1. A road cleaner comprising a wheeled frame, an adjustable frame, means carried by the adjustable frame for cleaning a ditch and for discharging dirt from the ditch to a point beyond the machine, and independent means located at opposite sides of the main frame and connected with the adjustable frame for raising and lowering the same and for tilting the frame laterally to suit the angle or inclination of a road bed and a ditch



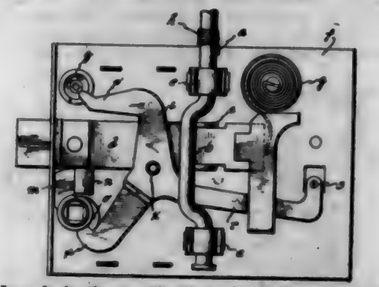
at the side thereof, the raising and lowering means at one side of the main frame being connected with the adjustable frame at the front and back thereof for simultaneously raising and lowering the same.

1,541,311. VACUUM-TUBE CIRCUITS. SIDNEY R. ANDERSON, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 7, 1923. Serial No. 617,533. 6 Claims. (Cl. 179—171.)



1. A vacuum tube translating device having a cathode, an anode, and a control electrode, a variable source of potential for energizing said device connected to said cathode, means for applying potentials of opposite phase and having a ratio of one over the amplification factor of said tube to said control electrode and said anode respectively, and means for impressing on said device voltage variations to be repeated.

1,541,312. DOOR LOCK. THOMAS P. ARCHER and ERNEST E. HEINTZ, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 16, 1924. Serial No. 720,224. 7 Claims. (Cl. 292—169.)



4. In a lock, the combination of a lock casing, a sliding bolt, means for retracting the bolt, means for dogging the retracting means, and a spring actuated lever snap-over control for such dogging means.

1,541,313. TIRE CARRIER FOR AUTOMOBILES. JULIUS G. BALCERWICZ, Grand Rapids, Mich., assignor of one-half to Charles A. Safranski, Grand Rapids, Mich. Filed Oct. 8, 1923. Serial No. 667,119. 4 Claims. (Cl. 224—29.)

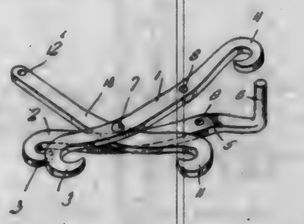
1. A tire-carrying device comprising a pair of rigid members interrelatively-swingably connected intermediate

their ends, each of said members having at one end a laterally-extending hook adapted to supportedly engage a portion of a supported tire and at its other end an



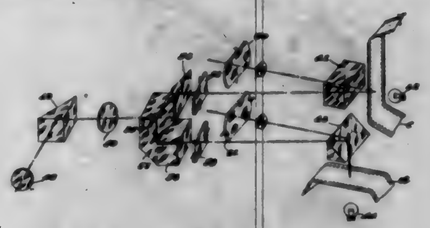
oppositely-extending hook adapted to supportingly engage a substantially-diametrically-opposite portion of a second tire.

1,541,314. TIRE-CHAIN FASTENER. SIMON BENNETT BALDWIN, Galva, Ill. Filed Feb. 18, 1925. Serial No. 10,003. 2 Claims. (Cl. 24—222.)



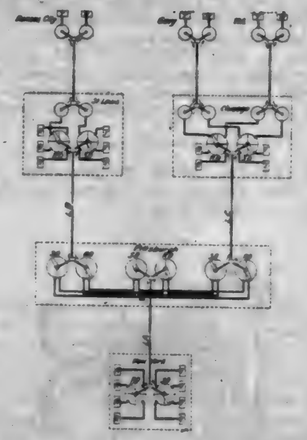
1. A tire chain fastener comprising a pair of spaced bars, one bar being provided at one end with a laterally disposed extension and at its opposite ends with a hook, the other bar being provided at its opposite ends with hooks, one of which is adapted to be connected with said extension, and a retaining lever disposed between and pivotally connected with said bars, said retaining lever being provided with a hook at one end adapted to cooperate with the opposed hooks on said bars.

1,541,315. PRINTING COMPLEMENTAL PICTURES. JOSEPH A. BALL, Wollaston, and EASTMAN A. WEAVER, Brookline, Mass., assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass., a Corporation of Maine. Filed Aug. 20, 1921. Serial No. 493,824. 24 Claims. (Cl. 88—24.)



1. The method of printing complemental pictures on non-superposed sensitized printing spaces in uniform relationship to associated registering means which comprises simultaneously projecting the images on said spaces, and viewing both the images and the associated registering means in superposition.

1,541,316. AUTOMATIC TELEGRAPH SYSTEM. ERWIN P. BANCROFT, Brooklyn, and MARK B. KERR, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1920. Serial No. 393,393. 11 Claims. (Cl. 178—53.)



1. The method of synchronizing two rotatable members operatively interconnected by a transmission line and operated by independent sources of motion, which consists in sending a predetermined signal from one station over the transmission line to another station, causing said last-mentioned station to repeat said predetermined signal back to the originating station to operate a mechanism therent for indicating the line lag.

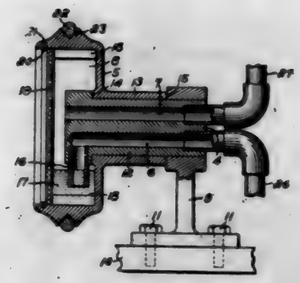
1,541,317. SEPARABLE BUTTON. PAUL J. BELLAVANCE, Attleboro, Mass., assignor of one-half to Joseph E. Gallant, Attleboro, Mass. Filed Mar. 5, 1925. Serial No. 18,207. 28 Claims. (Cl. 24—11.)



1. A separable button, comprising a pair of male and female coacting members, the female member comprising a base, a hollow shank and a flat head having a central socket opening and a U-shaped locking spring member non-rotatably contained therein, and the male member comprising a base, a hollow shank, a flat head having a central opening and an integral annular sleeve projecting downwards therefrom slidable within said shank having means thereon adapted to abut a stop on said shank to limit its upward movement, a stem mounted on said base extending through said shank and sleeve above said head having a cap mounted thereon terminating in an annular lower edge offset from said stem and a stop on the periphery thereof below said cap, an ejection spring extending between said base and the lower edge of the head sleeve and a sleeve slidable on said stem between said cap and stop having an annular ridge projecting substantially centrally from the periphery thereof, whereby on insertion of said female member on said male member and pressing said members together the sides of the U-shaped locking spring may register within the groove formed on said stem between the lower cap

edge and upper edge of the annular ridge on the slidable sleeve to retain said members together, on further pressing together of said members and consequent depression of said ejection spring, the sides of the U-shaped locking spring may ride over the annular ridge on the slidable stem to impinge upon the lower periphery of said stem sleeve, on release of pressure said ejection spring may cause the gripping sides of the U-shaped locking spring to carry said slidable stem sleeve upwards to close said groove, and on further pressure of said ejection spring the sides of said U-shaped locking spring may slide over said annular sleeve ridge and closed groove to abut the periphery of the cap stem to release said members.

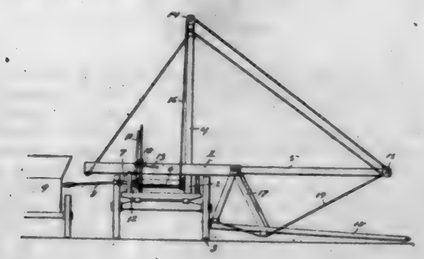
1,541,318. VALVE. FRANK R. BELLUCHE, Mansfield, Mass. Filed Aug. 20, 1924. Serial No. 733,241. 17 Claims. (Cl. 137—140.)



1. In a valve structure, the combination of a stator presenting two passages, a rotor having a bearing on said stator and presenting a chamber within which said passages terminate, and a body of liquid within said chamber normally covering the terminal orifice of one of said passages.

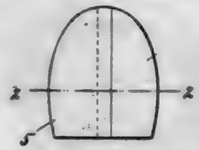
16. A valve structure comprising, in combination, a body of liquid constituting a valve, means presenting a port normally closed by said valve, and means to cause rotation of said valve to open said port and to stop rotation of said valve to close said port.

1,541,319. HAYING TABLE. OTTO BERGER, Mesa, Ariz. Filed July 9, 1924. Serial No. 725,088. 1 Claim. (Cl. 214—80.)



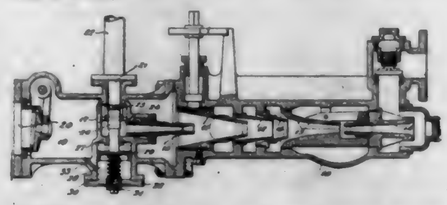
In a haying table, a platform, a rod supported along one side of the platform, a boom pivoted on the rod, a bracket pivoted on the rod, tines supported on the bracket and normally resting on the ground, a brace connecting the bracket and the boom, a mast rising from the platform, pulleys on the ends of the mast and the boom, a cable attached to the end of the mast and trained over the pulleys on the boom and the mast, and a drum for winding the cable so as to lift the boom and deposit the hay on the tines onto the platform.

1,541,320. SHOE AND HEEL THEREFOR. FRANK R. BRIGGS and GEORGE T. MCLEOD, Brookline, Mass., assignors to Thomas G. Plant Company, Roxbury, Mass., a Corporation of Massachusetts. Filed July 19, 1922. Serial No. 576,105. 2 Claims. (Cl. 36—35.)



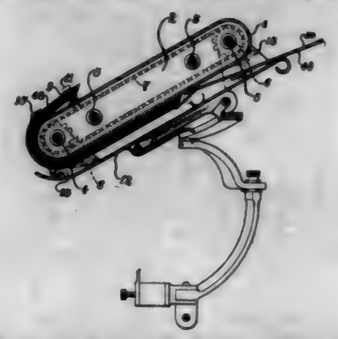
1. An improved arch supporting boot or shoe, having a heel structure formed with a relatively resilient section on the outer edge of the heel, and a relitively non-resilient section on the inner edge of each heel, in combination with a resilient toplift section.

1,541,321. EXHAUST-STEAM INJECTOR. BENJAMIN BROIDO, New York, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 30, 1923. Serial No. 671,810. 7 Claims. (Cl. 162—1.)



1. The combination with an exhaust steam injector having a plurality of conduits connected therewith for supplying water, exhaust steam from an engine, and live steam, to said injector, of means for automatically controlling the admission of live steam to said injector, said means comprising a valve for closing the live steam conduit, and fluid pressure actuated means in communication with the interior of said injector for controlling said valve in accordance with the working conditions within said injector.

1,541,322. COPYING PROCESS AND APPARATUS FOR TYPEWRITERS. CLARENCE H. CALDWELL, Oak Park, Ill. Continuation of application Serial No. 411,519, filed Sept. 20, 1920. This application filed Sept. 18, 1922. Serial No. 588,754. 5 Claims. (Cl. 120—81.)



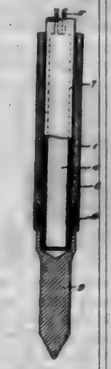
1. The method of handling leaves flexibly connected together at one end, which consists in clamping together all but the top leaf thereof, then causing them to travel in an unbroken path, and at the completion of each cycle of movement unclamping the top clamped leaf only.

1,541,323. COFFIN. GIACOMO CARTASSO, Oakland, Calif. Filed Sept. 27, 1924. Serial No. 740,284. 1 Claim. (Cl. 27—6.)



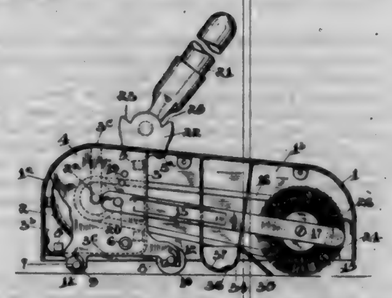
A coffin, comprising a metallic box, a rim secured to the upper edge of said box, said rim having a pair of grooves formed therein, a transparent cover adapted to fit in one of said grooves, a packing in said grooves, a second cover adapted to extend into the second of said grooves, and a packing in said second groove.

1,541,324. ELECTRIC SOLDERING IRON. CLARENCE M. CHAPMAN, Terryville, Conn., assignor to The Chapman Machine Company, Plymouth, Conn., a Corporation of Connecticut. Filed Nov. 19, 1924. Serial No. 750,775. 4 Claims. (Cl. 219—26.)



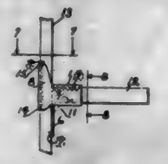
1. An electrical soldering implement comprising a handle, a tubular shank extending from the handle, a heating element contained in the shank and extending to substantially the point end thereof, a metallic sleeve screwed upon the shank and surrounding the heating element, and a copper point having a hollow base screwed into the sleeve and surrounding the end of the tubular shank that extends from the handle and the heating element in said shank.

1,541,325. FLOOR-TREATING APPARATUS. THOMAS H. CLARKSON-JONES, Toronto, Ontario, Canada. Filed Apr. 7, 1923. Serial No. 630,455. 6 Claims. (Cl. 15—49.)



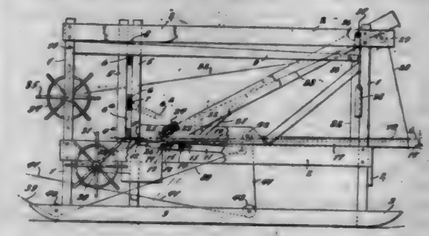
1. In floor treating apparatus, the combination of a carriage; a horizontal motor secured to the carriage and provided with a pulley; a pair of movable radius arms; a brush horizontally journalled on the radius arms and provided with a pulley; pivots for the radius arms located at opposite sides of the carriage above a plane intersecting the axis of the brush and the axis of the motor; and a driving belt passing round said pulleys, said belt owing to the location of the pivots of the radius arms tending to press the brush against the floor.

1,541,326. LADDER. ALFRED N. CLOUGH, San Jose, Calif. Filed Mar. 28, 1923. Serial No. 628,294. 1 Claim. (Cl. 228—58.)



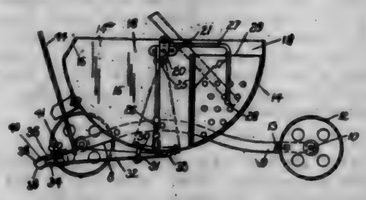
A support comprising a sheet metal body portion adapted to be clamped around a step end, an ear adapted to engage the inner side of a ladder leg below the step to be supported, and a pair of ears rising from said body portion and adapted to be clamped around a ladder leg adjacent to said step end, said support having a boss formed therein in the angle formed by said body portion and said first mentioned ear.

1,541,327. BENDING MACHINE. CLARENCE S. CRANE, Champaign, Ill., assignor of one-half to Eugene I. Burke, Champaign, Ill. Filed Dec. 27, 1923. Serial No. 682,901. 12 Claims. (Cl. 153—16.)



1. In a bending machine, a pair of clamping elements between which the strip to be bent is fed and at intervals clamped therebetween, a pivoted rocker member along which the strip passes, a guide for said strip hingedly connected to said rocker member at a distance from the pivot of the latter, and means for operating said rocker member to carry the guide to one side of the plane of the clamped portion of the strip, whereby a bend will be placed in the strip.

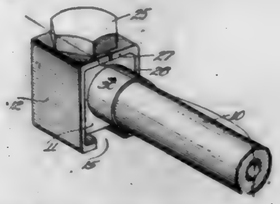
1,541,328. GROUND LINE MARKER. ARTHUR JOSEPH DALBY, Concord, near Sydney, New South Wales, Australia. Filed Jan. 30, 1924. Serial No. 689,437. 6 Claims. (Cl. 91—43.)



1. An improved ground line-marker comprising a carriage, a container thereon having two compartments, one of said compartments having an outlet, an agitat-

ing device, and a mixing device operatable by the draught wheels for mixing and agitating powder and fluid, said mixing device movable over said outlet, and combined therewith an under launder having devices for adjusting its inclination having a discharge end and nozzle having control devices for raising and lowering itself and having devices for regulating a flow of the contents from said container on adjustment of the inclination of said launder as and for the purposes set forth substantially as herein described and explained.

1,541,329. COUPLING. ERNEST W. DAVIS, Oak Park, Ill., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,932. 4 Claims. (Cl. 285—107.)



1. A coupling comprising a body member, a metal strap bent around said body member, one portion of said strap extending in adjacent parallel relation to the side of said body member and having a notch cut in one edge thereof for receiving the neck of a lubricant receiving nipple, the ends of said strap lying in opposed relation against the opposite side of said body member, said body member having a bore extending therethrough, one end of which registers with said notch, the walls of said bore at the last mentioned end having an inwardly extending flange, a perforated gasket seating on said flange, a plug threaded into the opposite end of said bore and having an overhanging head for clamping the opposed ends of said strap to said body member, and a spring interposed between said plug and said gasket.

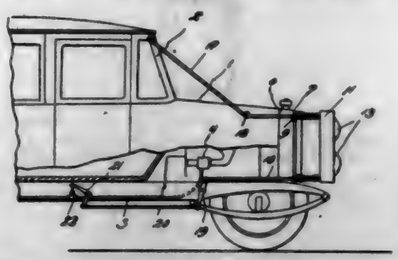
1,541,330. NURSING BOTTLE. WILLIAM MORE DECKER, Buffalo, N. Y. Filed May 14, 1923. Serial No. 638,797. 6 Claims. (Cl. 28—252.)



3. A breast-nipple for a food-cell, provided on its outer side with a stop arranged to seat against the base portion of the breast, when the latter is partly collapsed, and on its inner side with means arranged to enter and contract the mouth of the food-cell in a partly collapsed condition of the breast, said inner contracting means being spaced from the upper end of the cell in the normal, uncollapsed condition of the breast nipple.

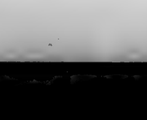
1,541,331. AUTOMOBILE BUMPER. FERDINANDO DE SANTIS, Framingham, Mass. Filed July 2, 1924. Serial No. 723,765. 2 Claims. (Cl. 180—83.)

1. A bumper for automobiles, comprising a perforated plate mounted on the front of the radiator of the automobile, a relatively thick cushion bumper, a plurality of rods projecting rearwardly from said bumper and slidably mounted in said plate, means for normally retaining said bumper in projected relation in front of said plate, a cut-off valve, in the fuel feed pipe of said



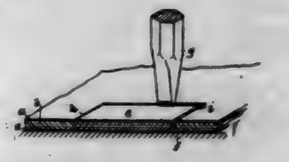
automobile, and connections between said bumper and cut-off valve, operable for shutting off the flow of fuel in said pipe, upon the movement of said bumper member, toward said plate.

1,541,332. WALL BOARD. WILLIAM B. DOE, Skyland, N. C., assignor of one-half to Edwin W. Grove, St. Louis, Mo. Filed Apr. 6, 1923. Serial No. 630,368. 4 Claims. (Cl. 72—116.)



2. A wall board comprising a body of pithy substance having a plaster-receiving face and numerous coarse fibers surrounded by said pithy substance, said fibers being severed to provide end portions whereby the plaster is anchored, and said end portions being extended from said body of pithy substance.

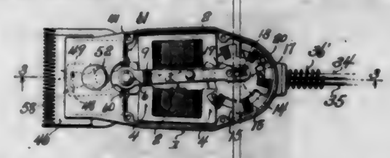
1,541,333. REPAIRING PANELS OF VEHICLE BODIES. PETER DOWLING, Paterson, N. J. Filed Oct. 11, 1924. Serial No. 743,170. 3 Claims. (Cl. 296—30.)



1. The hereindescribed method of patching an apertured panel having a metal outer layer and compressible material backing the same, which consists in fitting a patching piece of paneling having a metal outer layer and compressible material backing the same into the aperture of the panel and so that the metal layers and the backing material of the panel and piece are in coincident planes, then while supporting the panel and piece peening inward the metal at the contiguous edge portions of the layers and thereby forming a depression, and then depositing a bonding substance in said depression.

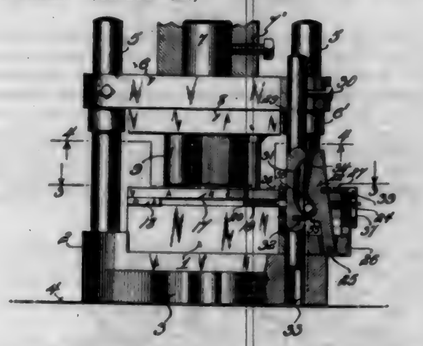
1,541,334. ELECTRIC HAIR CLIPPER. ALBERT J. DREMEL, Racine, Wis. Filed Jan. 13, 1925. Serial No. 2,097. 14 Claims. (Cl. 30—1.)

14. A clipper comprising a stationary blade, a movable blade, electromagnetic mechanism including a vibratory armature connected to said movable blade, a pivot pin supporting said armature, a spring carried by said pin and having one end bearing upon said movable



blade, a tilting washer having a portion bearing against the other end of said spring, and means for tilting said washer.

1,541,335. AUTOMATIC SPACING AND LOCKING MEANS FOR PRESSES. ROBERT W. EASTMAN, Racine, Wis. Filed Aug. 23, 1924. Serial No. 733,791. 5 Claims. (Cl. 164—21.)



1. The combination with a press having a reciprocatory head and a bed plate, of a device having a die block secured to said bed plate, a reciprocatory member having a tool and adapted to be rigidly secured to said press head, and locking means actuated from said reciprocatory member for positively locking said work throughout the entire working stroke of said tool and for releasing said work during a portion of the retracting stroke of said tool.

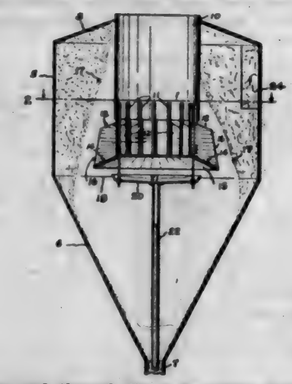
1,541,336. COLD-MOLDED PRODUCT AND PROCESS OF MAKING SAME. CARLETON ELLIS, Montclair, N. J., assignor to Ellis-Foster Company, a Corporation of New Jersey. Filed Feb. 14, 1923. Serial No. 619,063. 7 Claims. (Cl. 18—55.)

1. A molded article shaped in the cold and hardened, by baking containing a rosin phthalic glycerol resinous complex serving as a binder, said resinous complex having a low acid number.

6. The process of making a molded article which comprises incorporating a solution in a volatile solvent of a resin phthalic glycerol resinous complex having a low acid number, with a major proportion of a mineral filler comprising asbestos, drying to remove most of the solvent to obtain a non-sticky but coherent material, subjecting in a cold mold to a high pressure, removing the shaped article from the mold, drying at 70° C. and then baking at a temperature gradually increasing to approximately 300° C.

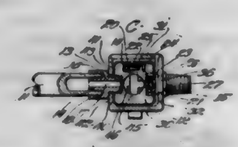
1,541,337. CINDER PRECIPITATOR. ERNST FELX, Tacoma, Wash. Filed Oct. 13, 1924. Serial No. 744,460. 6 Claims. (Cl. 183—87.)

1. In a device of the class described, a drum having a conical bottom portion, tangential air inlet means connected with said drum, a centrally arranged air discharge conduit open at both ends and extending downwardly into said drum from the top end, and radial vanes projecting outwardly beyond said air inlet conduit below



the bottom end thereof, the outer edges of said vanes being inclined outwardly from top to bottom relative to the axis of the drum.

1,541,338. COUPLING MEMBER. DOUGLAS F. FRELER, Evanston, Ill., assignor to The Bassick Manufacturing Co., Chicago, Ill., a Corporation of Delaware. Filed Feb. 14, 1921. Serial No. 444,960. 2 Claims. (Cl. 251—109.)



1. A coupling comprising a body member having a plurality of bores formed therein the inner ends of which meet at a common point and the outer ends of which respectively open through faces of said body member disposed at angles to each other, means at the outer end of each bore for forming a detachable sealed connection with a second coupling, said means being formed in part by a continuous strip passing around said body member and having openings therein for receiving said second coupling, and a valve positioned at said common meeting point for controlling the flow of fluid through said bores, said valve comprising means for connecting two of said bores together as and for the purpose described.

1,541,339. HARNESS HAME HOOK. CHARLES W. FINCH, Vanleer, Tenn. Filed Apr. 18, 1922. Serial No. 554,718. 1 Claim. (Cl. 54—1.)



In a harness hame connector of the class described, a body portion, a pair of spaced arms extending therefrom at an obtuse angle thereto providing therebetween

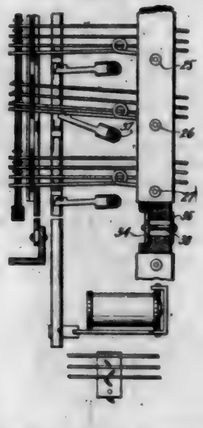
an elongated slot for the reception of a trace extending vertically, hooks at the outer free ends of said arms for engagement with a hame, said body portion being provided with an angularly disposed slot for receiving a backing strap.

1,541,340. BADGE FASTENER. MORRIS FOLKMAN, Cleveland, Ohio, assignor of one-half to Joseph Folkman, Cleveland, Ohio. Filed Aug. 22, 1924. Serial No. 733,562. 4 Claims. (Cl. 40—1.5.)



1. In a fastener for badges or the like, a body portion arranged upon the back of the badge and having a pair of relatively off-set shoulders and an opening between the shoulders, a locking bar slidable between the shoulders, a pivoted pawl carried by the body, and a jaw on the pawl to frictionally engage the locking bar and co-act with the shoulders to hold it against movement.

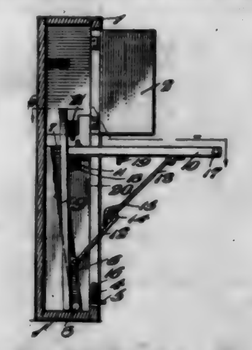
1,541,341. CONTACT BANK FOR COORDINATE SWITCHES. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 23, 1923. Serial No. 620,629. 7 Claims. (Cl. 179—27.5.)



1. In a switch structure, the combination of a block of insulating material, sets of contacts anchored therein, a plurality of grooves therein for locating a plurality of supporting springs, and an abutment at each end of said block integrally formed therewith for locating said block on its supporting bar in the switch frame.

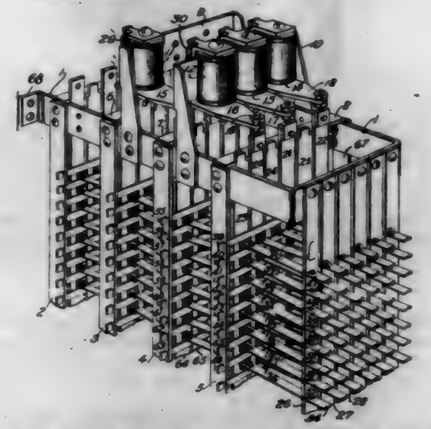
1,541,342. COMBINATION IRONING BOARD AND SERVING TABLE. ALOYSIUS I. FRIEL, Philadelphia, Pa. Filed Aug. 28, 1924. Serial No. 734,597. 3 Claims. (Cl. 45—51.)

1. In an article of the character stated, the combination of a closet having a cover hinged midway of its height to open outwardly and upwardly, said cover being U-shaped and having a lower rail, means to secure the lower end of said cover to the closet, an ironing board support movably secured to the lower rail of said cover and having nested relation with said U-shaped member,



an ironing board within the closet, said support being pivoted at its top to said ironing board and means within said closet for guiding said ironing board to horizontal position during outward movement of said support.

1,541,343. SWITCHING DEVICE. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1921. Serial No. 507,282. 7 Claims. (Cl. 179—27.5.)

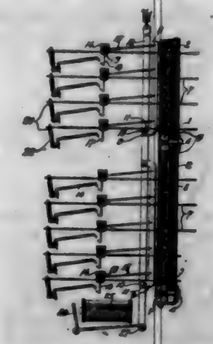


1. In a switching device, a plurality of stationary terminals, a plurality of movable terminals each carrying a plurality of resilient contact elements arranged in co-operative relation respectively with said stationary terminals, means for moving a portion of a movable terminal to cause one of the contact elements thereon to move with a flexing action into engagement with a particular stationary terminal, the flexing action of the contact element causing a relative movement between such contact and said particular stationary terminal.

1,541,344. SWITCHING MECHANISM. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 27, 1922. Serial No. 571,191. 8 Claims. (Cl. 179—27.5.)

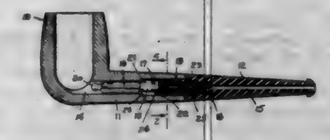
1. In a switching mechanism, a plurality of sets of active contacts arranged in groups each of which forms a unit, a common operating member for said groups, an operating member for each of said groups controlled by

said common operating member, means for removably supporting each group in operative relation to said common operating member, a plurality of sets of passive conductors arranged in parallel rows coordinately disposed to said sets of active contacts each of said sets of passive conductors being adjacent to one of said



sets of active contacts, a plurality of operating link bars corresponding in number to the said plurality of passive conductor sets, and means operable under the conjoint operation of said common operating member and one of said link bars to effect a connection between a set of active contacts and its adjacent set of passive conductors.

1,541,345. TOBACCO PIPE. HARRY E. GOLDVOGEL, New York, N. Y., assignor to Dasco Import Co., Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1924. Serial No. 711,528. 3 Claims. (Cl. 131—12.)



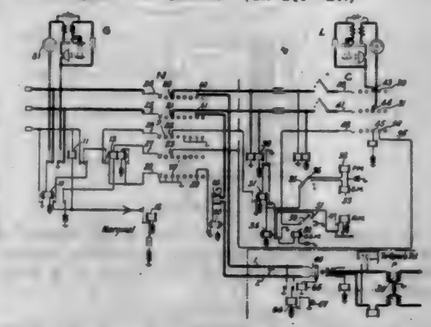
1. A smoking pipe comprising a bowl, a stem, and a mouth piece removably fitted in the stem, means for reinforcing said mouth piece, and a cleaning device removably mounted in said means and having smoke-conducting passages communicating at opposite ends in the stem and mouth piece, said cleaning device having also longitudinal scraping ribs the spaces between which form smoke-conducting channels communicating at opposite ends with the bowl and a point adjacent the stem ends of said passages.

1,541,346. CLEANING ATTACHMENT FOR TOBACCO PIPES. HARRY E. GOLDVOGEL, New York, N. Y., assignor to Dasco Import Co., Inc., New York, N. Y., a Corporation of New York. Filed May 7, 1924. Serial No. 711,529. 3 Claims. (Cl. 131—12.)



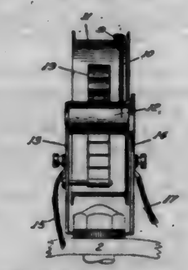
1. A cleaning attachment for the mouth-piece of a smoking pipe having a bowl and pipe stem, comprising a rear portion removably fitting into the mouthpiece, a reduced intermediate portion to provide a cooling chamber, and a forward portion extending into the bowl and having helically disposed scraping ribs.

1,541,347. TELEPHONE-EXCHANGE SYSTEM. CHARLES L. GOODRUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1920. Serial No. 393,889. 12 Claims. (Cl. 179—27.)



3. In a telephone system, a calling and a called line, a trunk line, a non-numerical switch and a numerical switch, subscriber controlled means for operating said switches to interconnect said calling and called lines, and means responsive to a predetermined setting of said numerical switch for releasing said numerical switch and for establishing a connection between said calling line and said trunk line through said non-numerical switch independently of said numerical switch.

1,541,348. DIRECTION SIGNAL FOR MOTOR VEHICLES. JAY L. GOODWIN, Fresno, and ALMON B. WASHBURN, Hanford, Calif. Filed Dec. 6, 1921. Serial No. 520,218. 1 Claim. (Cl. 173—367.)

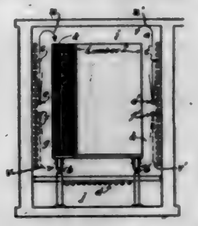


A reel structure comprising a pair of spaced conductor-arms, a shaft journaled in one arm, a sleeve about the shaft and journaled in the other arm, an insulation bushing between the shaft and sleeve, a drum provided with the sleeve in spaced relation thereto, and a double-wire cable wound on the drum, one wire of the cable being connected direct to the drum and the other wire passing through the drum and sleeve in insulated relation thereto and being then connected to the shaft.

1,541,349. METHOD AND MEANS FOR DRYING LUMBER. OLIVER P. M. GOSS, Seattle, Wash., and RALPH H. RAWSON, Portland, Oreg. Filed Sept. 6, 1923. Serial No. 661,217. 3 Claims. (Cl. 34—46.)

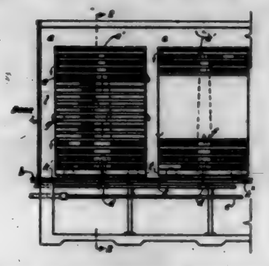
1. The method of kiln drying consisting in so stacking the material in a chamber as to provide a space at the top, the bottom, and the sides of the stack, and vertical spaces between the units of the material composing the stack, injecting sprays of moist heated fluid in one vertical direction along the vertical sides of the chamber from a line lying between the top and the bottom of said stack, then discontinuing said sprays and injecting other sprays of moist heated fluid in the opposite vertical direc-

tion along the vertical sides of the chamber from a line lying between the top and the bottom of said stack, heating the interior of the chamber by an agency located at its sides simultaneously with the injection of said sprays



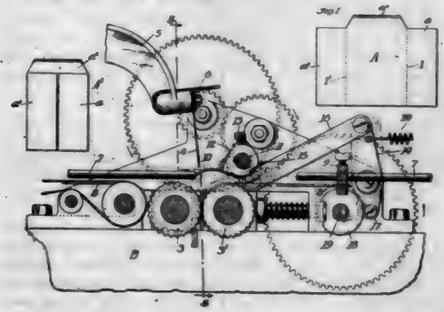
in an upwardly direction, and heating the bottom of the chamber under the bottom of said stack simultaneously with the injection of said sprays in a downwardly direction.

1,541,350. METHOD AND MEANS FOR DRYING LUMBER. OLIVER P. M. GOSS, Seattle, Wash., and RALPH H. RAWSON, Portland, Oreg. Filed Sept. 18, 1923. Serial No. 663,422. 4 Claims. (Cl. 34—19.)



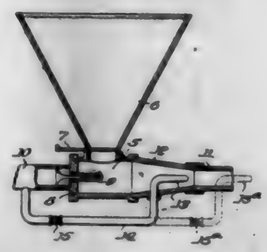
3. In a kiln of the character described, means for supporting the material spaced from the floor of the kiln chamber, a source of moist heating fluid under pressure, horizontally extending heating means located in the bottom of the kiln chamber, a spray pipe located in the bottom of the kiln chamber, such pipe having upwardly discharging vents and being connected to said source of fluid, baffles located in the bottom of the chamber over portions of said heating means and being spaced from said spray pipe.

1,541,351. FOLDING MACHINE. AUGUST W. HALL, Chicago, Ill. Filed Nov. 13, 1923. Serial No. 674,478. 6 Claims. (Cl. 270—61.)



1. In folding mechanism, the combination of folding rolls, a folding knife, actuating means therefor, a movably supported guide for conducting the advancing free edges of pre-folded marginal flaps of blanks delivered to the folding rolls between said rolls, and actuating means for advancing said guide into operative position and for retracting it out of the path of blanks as they are fed to said folding mechanism.

1,541,352. METHOD OF AND APPARATUS FOR MIXING MATERIALS. ERLE P. HALLIBURTON, Duncan, Okla. Filed Apr. 25, 1924. Serial No. 708,927. 15 Claims. (Cl. 83—73.)



1. The method of mixing cement and a liquid which comprises directing a high velocity stream of liquid through a mixing chamber, introducing a quantity of cement into said chamber into contact and intimate mixture with said stream of liquid to produce the fluent mixture of cement and such liquid and directing an auxiliary high velocity stream of liquid into the mixture for varying the consistency thereof without affecting the effectiveness of the initial mixing.

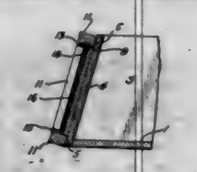
1,541,353. SMOKER'S ARTICLE. EDMUND J. Y. HAMMETT, Lansdale, Pa. Filed Apr. 14, 1923. Serial No. 632,027. 2 Claims. (Cl. 131—51.)



2. In a device of the character stated a receptacle of thin metal having an annular, outwardly flared wall, terminating in a flat rim extended beyond the receptacle proper, a central ash-receiving part having a central apertured portion extended above said receptacle top and having an outwardly flared skirt, said skirt and wall forming an annular continuous choke-channel of substantially V-shaped cross-section when said parts are in nested relation and also providing a cigar or cigarette support, a stud carried by said recetacle bottom and extended upwardly through said central apertured portion and a match-box holder seated upon said central portion and cooperatively engaging said stud to interlock the parts.

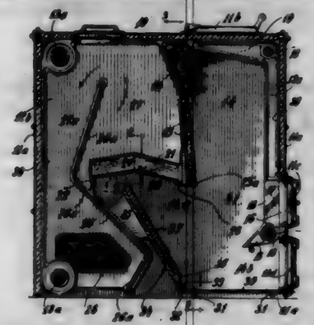
1,541,354. DISPLAY BOX AND SIGN HOLDER. HENRY HARRISON, Philadelphia, Pa. Filed May 9, 1924. Serial No. 711,978. 3 Claims. (Cl. 40—7.)

1. As a new article of manufacture, a display box comprising an upstanding card sign holder forming a side of the box, said holder being constructed to permit card signs to be removably held visible in the holder and the holder comprising a side member having a flat, sign back supporting portion formed with a margin reduced in thickness and also comprising a frame pro-



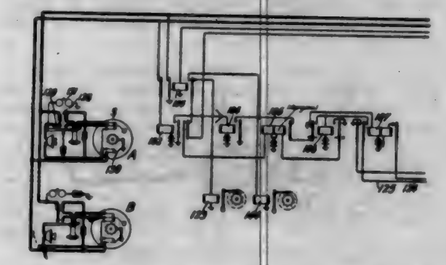
vided with a card receiving slot; the frame and the sign back supporting member being provided with interlocking means for holding them in assemblage.

1,541,355. BOILER. FRANK B. HOWELL, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Jan. 19, 1921. Serial No. 436,303. 13 Claims. (Cl. 110—30.)



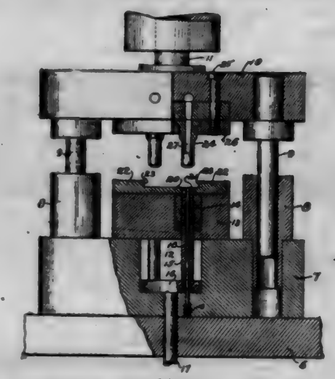
1. A boiler comprising a fuel receptacle including a vertical water-backed rear wall, a flue at the rear of said receptacle, and a separately formed wall disposed in front of said vertical wall to form therebetween a passage for feeding secondary air to the products of combustion entering said flue; said separately formed wall having one side exposed directly to the radiant heat of the fuel, substantially as specified.

1,541,356. MESSAGE-REGISTER SYSTEM. FRANK S. IRVINE, Huntington, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1922. Serial No. 602,948. 11 Claims. (Cl. 179—9.)



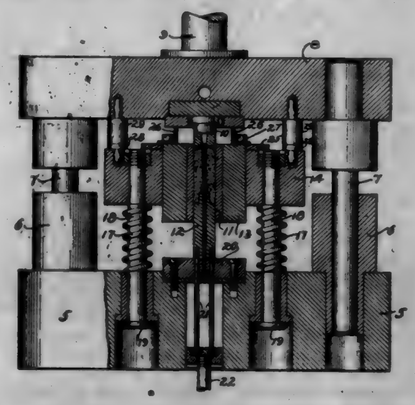
1. In a telephone exchange system, a calling telephone line, a plurality of stations thereon, a message register for each station of the line, automatic switching means for extending a connection from the calling line, a circuit for operating the message registers, means common to a plurality of lines for testing the calling line to determine which station of the party line is calling, a switching device individual to the calling line controlled by said testing means for extending said circuit to the message register corresponding to the calling line, and means for closing said message register circuit to actuate said register.

1,541,357. APPARATUS FOR MOLDING. JOSEPH E. JOHNSON, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 20, 1922. Serial No. 589,293. 10 Claims. (Cl. 18—5.)



1. In a device of the character described, a mold block including a plurality of members rigidly secured together and having registering apertures therein for forming a mold cavity, the top member having an extended substantially flat surface flush with and surrounding the top of said cavity for holding moldable compound to be introduced into said cavity.

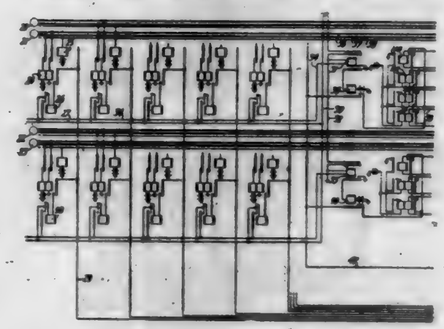
1,541,358. APPARATUS FOR MOLDING. JOSEPH E. JOHNSON, Meriden, Conn., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn., a Corporation of Connecticut. Filed Sept. 20, 1922. Serial No. 589,294. 15 Claims. (Cl. 18—5.)



1. In a molding machine, a die jacket, a die pad, means for adjusting said jacket and pad in fixed position relatively to each other so as to form a mold cavity of such predetermined depth that when filled with compound substantially flush with the top thereof it will contain the requisite amount of material to form a molded article,

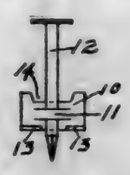
said mold cavity being filled by passing moldable compound over the top thereof and scraping the compound off substantially flush with the top of the cavity, retaining means fixed relatively to said mold cavity for preventing spilling of the compound while the cavity is being filled, and means for compressing moldable compound in said cavity to form a molded article.

1,541,359. TELEPHONE SYSTEM. ALFRED F. KANE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 10, 1924. Serial No. 631,132. 7 Claims. (Cl. 179—18.)



1. In a telephone system, a plurality of incoming lines, a group of link circuits, a relay common to all of said lines, a relay individual to a particular one of said lines, and means effective upon the conjoint operation of said relays to select one of said link circuits to cooperate with one of said lines in establishing a telephonic connection, and to render the selected link inaccessible for other connections until all the links in said group have been employed.

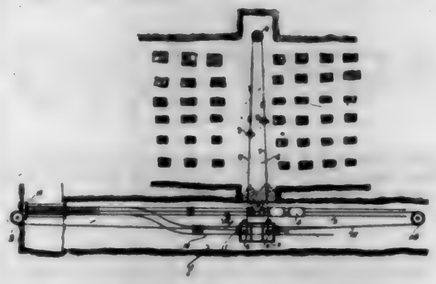
1,541,360. MEANS FOR SECURING PAPER AND METAL FABRIC TO WALL STRUCTURES. CHARLES ELWOOD KEAS and HARRY W. HAHN, Los Angeles, Calif., assignors to Economy Products Corporation, a Corporation of California. Filed Oct. 22, 1923. Serial No. 670,149. 5 Claims. (Cl. 72—118.)



1. A device of the character referred to and including a nail having a head, a body member having a struck up loop through which said nail is frictionally held, said body member having angularly disposed flat wall engaging portions at one edge and a recess at the opposite edge, for the purpose illustrated.

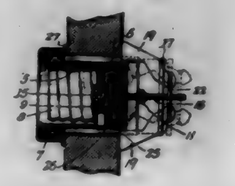
1,541,361. MINE-CAR LOADING AND HAULAGE MEANS. WILLIAM G. KNOWLES, Bessemer, Ala., assignor of one-half to Arthur T. Knowles, Bessemer, Ala. Filed Mar. 26, 1923. Serial No. 627,929. 2 Claims. (Cl. 37—115.)

2. A mine loading mechanism comprising, in combination, an entry track, a way parallel with said track, a portable winding machine movable along said way and comprising roof and ground anchors, cables leading in opposite directions endwise from said winding machine, pulleys at the ends of the entry track about which said



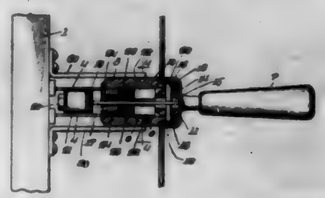
cables pass and connect to a trip of mine cars on said track, in combination with means controlled by the winding machine to load said cars.

1,541,362. ELECTRICAL FIXTURE. ALBERT R. LOCKE, Chicago, Ill. Filed Nov. 28, 1919. Serial No. 341,280. 1 Claim. (Cl. 85—3.)



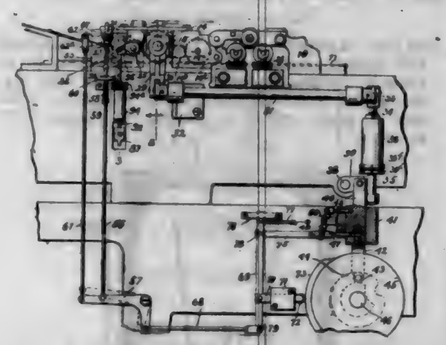
A device of the character described comprising a relatively thick apertured wall; a cup-shape plug having an annular flange at one end for contact with the face of the wall, the other end inserted in said aperture; a screw extending thru the bottom of the plug beyond the wall; a threaded yoke supported on the screw and having apertures at each end; a pair of dogs removable from the plug and pivoted in said apertures; a spring yieldingly holding inner ends of the dogs to extend their outer ends, said dogs each having two shoulders engaging the yoke to prevent their outer ends spreading apart too far and a shoulder to take the thrust of the yoke.

1,541,363. ELECTRIC SWITCH. ALBERT R. LOCKE, Chicago, Ill. Filed May 21, 1921. Serial No. 471,339. 4 Claims. (Cl. 200—17.)



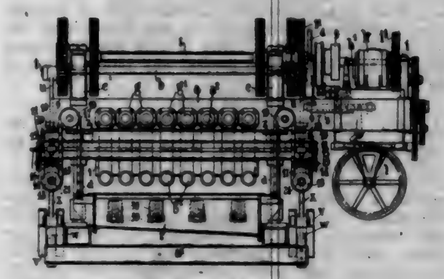
3. An electric switch having a support with a threaded forward end for insertion through the wall of a fixture, a switch blade pivotally associated with the support and having an operating handle, and a threaded nipple for clamping the support to a fixture and securing the switch blade to the support.

1,541,364. PRINTING PRESS. CLARENCE E. MCKINNEY, Cleveland, Ohio. Filed May 9, 1924. Serial No. 711,989. 30 Claims. (Cl. 101—284.)



1. In a printing press, a movable printing member adapted to be provided with a printing form, a movable impression member, and means for moving one of said members toward and from the other, said means including a power-operated actuating device and a yieldable element between it and the member to be moved whereby said members may be spaced different distances apart during the printing operations to compensate for different thicknesses of sheets or material fed between said members.

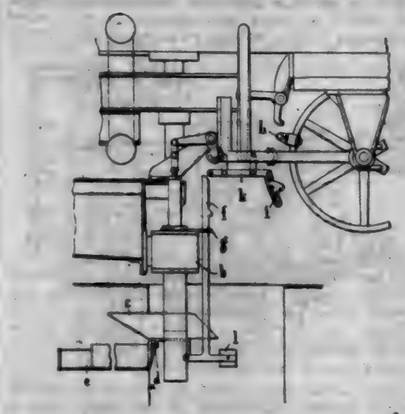
1,541,365. MERCERIZING MACHINE. DUNCAN M. MCLINTOCK, Paisley, Scotland, assignor to Clark and Company Limited, Paisley, Scotland. Filed Oct. 20, 1922. Serial No. 595,843. 12 Claims. (Cl. 8—20.)



1. A hank mercerising machine comprising in combination a frame member, a plurality of rollers carried thereby, a second set of rollers spaced in vertical relation to the first-mentioned rollers so that a hank may be passed vertically over each pair of said rollers, a beam carrying said second set of rollers, mechanically operated connecting rod mechanism for moving the beam vertically in relation to said frame member, and a mercerising tank suspended from and automatically movable with said beam.

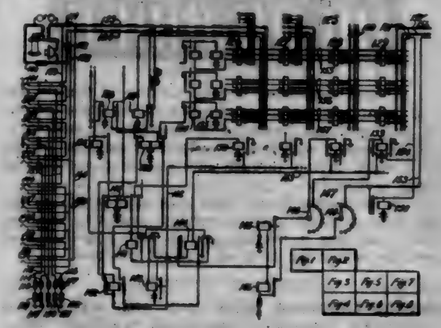
1,541,366. MERCERIZING MACHINE. DUNCAN MENZIES MCLINTOCK, Paisley, Scotland, assignor to Clark and Company, Limited, Paisley, Scotland. Filed Mar. 11, 1924. Serial No. 698,823. 6 Claims. (Cl. 8—19.)

6. A mercerizing machine comprising in combination a movable mercerizing tank having an outlet, a pivoted deflector associated with said outlet, a link secured to said deflector, a projection on said tank which on movement of the tank engages said link to move said deflector



and cam operated means for causing disengagement of said projection from said link independently of movement of the tank.

1,541,367. TELEPHONE-EXCHANGE SYSTEM. JAMES L. MCQUARRIE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 28, 1923. Serial No. 621,705. 9 Claims. (Cl. 179—18.)

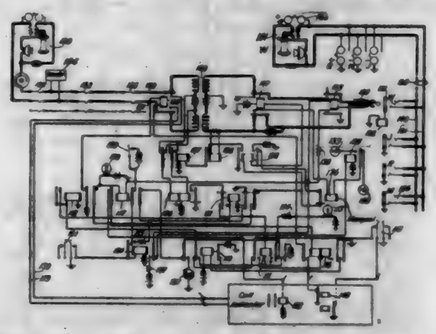


1. The combination in a telephone system of a coordinate selector switch having a plurality of contacts with operable links therebetween for establishing connections, a controlling mechanism for controlling the selective operation of said switch, and a plurality of sources of current to different character for setting said mechanism.

1,541,368. TELEPHONE-EXCHANGE SYSTEM. GEORGE R. MARTIN, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1923. Serial No. 681,588. 5 Claims. (Cl. 179—85.)

1. In a telephone exchange system, calling subscribers' lines, called subscribers' lines each serving a plurality of subscribers' substations, an operator's position, a plurality of trunks at said operator's position each terminating in a calling plug, means for extending a calling subscriber's line to one of said trunks, a plurality of jacks at said operator's position, each jack representing a called subscriber's substation, signaling means at the several substations of each line adapted to be operated by different characters of ringing current, means

for generating said different characters of ringing current, a relay operated in response to the insertion of a plug in a jack to select a particular character of ringing current, means to apply said current to said called line to operate certain of said signaling means on that



line, and a second relay under the control of said operator for opening the circuit of said first relay to apply a different character of current to the called line to operate others of said signaling means on that line.

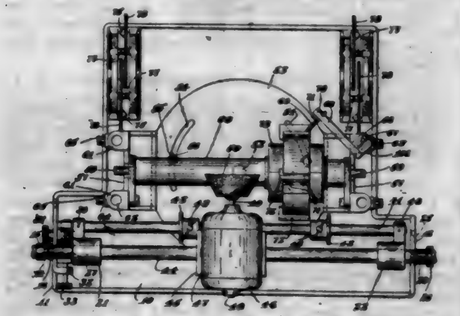
1,541,369. TOY FENCE. HARRY H. MARTIN, Pittsburgh, Pa., assignor to The Liberty Novelty Company, a Common Law Trust of Pennsylvania. Filed Mar. 27, 1923. Serial No. 627,062. 10 Claims. (Cl. 256—19.)



1. A fence comprising a body portion of flexible material, reinforcing members clamped on the edges thereof, and post members having slots therein and secured to said reinforcing members by projecting portions of the latter which extend through said slots and are bent to engage said posts.

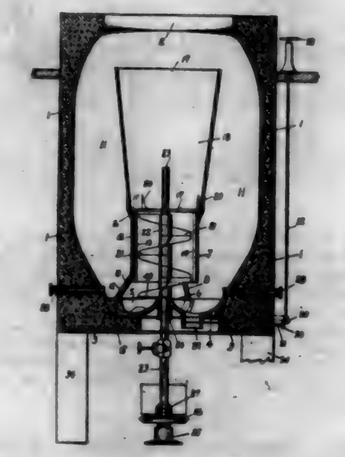
10. A miniature fence comprising a plurality of independent movable, self-supporting sections, each of which comprises a central portion and a plurality of posts for supporting it in an upright position.

1,541,370. SETTING, GRINDING, AND BALANCING MACHINE. LOUIS T. MEDHOLDT, Winthrop, Mass., assignor to H. C. Dodge Company, South Boston, Mass., a Corporation of Massachusetts. Filed Oct. 8, 1923. Serial No. 667,237. 3 Claims. (Cl. 51—220.)



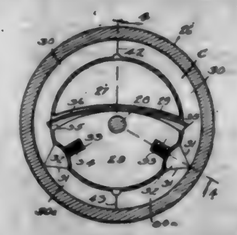
1. An improved knife grinding machine for grinding a plurality of knives mounted in a cutter head, comprising a base, a pivotally frame thereon, a member slidably mounted in said frame and transversely of the base, a rotatable abrasive wheel carried on said member, and means for mounting a cutter head on said frame in operative relation to the abrasive wheel.

1,541,371. METHOD AND APPARATUS FOR BLEACHING PULP. ALBERT D. MERRILL, Watertown, N. Y., assignor to The Stebbins Engineering & Mfg. Co., Watertown, N. Y., a Corporation of New York. Filed Mar. 9, 1925. Serial No. 14,102. 13 Claims. (Cl. 8—2.)



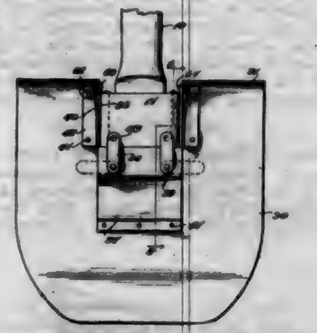
8. In pulp bleaching, a main tank, circular in cross-section, contracting at its upper and lower ends but still retaining a circular form, an inner uptake tank circular in cross-section arranged centrally within said main tank, said uptake tank provided with an impeller screw and being widest at its top and spaced from the top of the outer tank, a series of pulp impeding vanes arranged in said tanks to prevent any rotary action of the pulp mass.

1,541,372. SECTIONAL PACKING RING. RICHARD W. MEWES, Des Moines, Iowa. Filed Jan. 9, 1924. Serial No. 685,155. 3 Claims. (Cl. 74—109.)



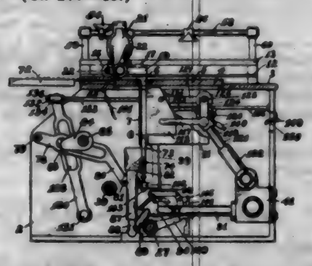
1. In a device of the class described, a casing element having a horizontal base, a sliding member therein having a peripheral groove, and a groove extending across one face, communicating at its ends with the first groove, a packing ring structure comprising a resilient plural segment ring received in said first groove, provided with notches as shown and a spring in the second groove having its ends received in said notches, for thus supporting the weight of the upper part of the ring on the sliding member and exerting resilient outward pressure thereon substantially as described.

1,541,373. COMBINATION TOOL. RICHARD MICHE, Lester, Colo., assignor of one-half to Paul A. Wayt, Walsenburg, Colo. Filed Nov. 28, 1923. Serial No. 677,551. 4 Claims. (Cl. 7—1.)



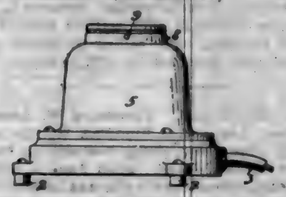
1. In a combination tool, a tool holder adapted to support a plurality of tool members, said tool holder including a handle, an adapter permanently secured on the handle, and means for detachably securing any of the tool members on the adapter, said securing means including tongue and groove elements on the adapter and tool members respectively, said tool members including a blade, some of the elements having hinge connection with the blade, and guides on the blade adapted to engage the hinged elements between them.

1,541,374. TOWEL-FOLDING MACHINE. LAWRENCE F. MUSTEE, Cleveland, Ohio, assignor to Joseph H. Miller. Filed Oct. 21, 1922. Serial No. 596,064. 15 Claims. (Cl. 270—69.)



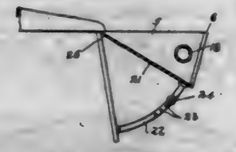
1. In a towel folding machine, the combination of a suction-head adapted to move horizontally, a suction-head adapted to move vertically, means for moving said suction-heads, the suction-heads being connected with suction means, valves for controlling the suction through said suction-heads, means for retaining the valves in their closed or open positions, means for opening said valves, and means for closing said valves, substantially as described.

1,541,375. HEATER FOR SHAPING EYEGLASS FRAMES. HERMAN NEUWIRTH and JACOB BERNSTEIN, Brooklyn, N. Y. Filed June 17, 1924. Serial No. 720,515. 4 Claims. (Cl. 219—21.)



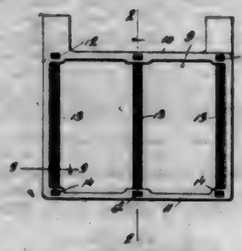
1. A heater of the class described comprising a base or bottom member having a chamber therein, a heating unit in said chamber, and a hollow, frustro-conical mandrel detachably secured to said base so that its interior will receive the heat from said base chamber.

1,541,376. VISOR LIGHT. ARTHUR B. NOCK, Cleveland, Ohio. Filed Aug. 6, 1923. Serial No. 655,876. 10 Claims. (Cl. 240—7.)



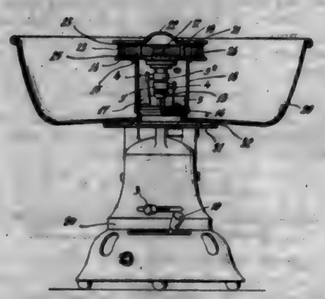
1. In an article of the character described, the combination of a base member, means for securing the said base member to a motor vehicle adjacent the plane of the top in a position to project forwardly and downwardly therefrom to form a sun and rain visor, a top section cooperating with said base member to form a casing and an illuminating element housed within said casing.

1,541,377. STORAGE BATTERY. RICHARD B. OWEN, Washington, D. C. Filed Dec. 22, 1919. Serial No. 346,555. 6 Claims. (Cl. 136—29.)



1. An electrode for storage batteries comprising a grid having a pair of spaced abutments, and a separator insulating element arranged upon the face of the grid and having the extreme outer ends of its terminals engaging said abutments to resist buckling of the grid and to prevent accidental vertical movement of said insulating element with respect to the grid.

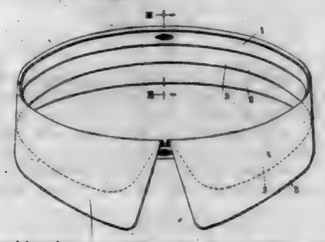
1,541,378. CONFECTION APPARATUS. JOHN PARCELL, New York, N. Y. Filed Feb. 16, 1924. Serial No. 693,281. 6 Claims. (Cl. 219—43.)



1. In a machine of the class described, the combination with a power circuit and a heating circuit, of a single controlling switch therefor having a series of contacts and at one contact assuming a position whereby at first both circuits are interrupted; at additional contacts assuming other positions whereby the power circuit is closed and continuously and progressively en-

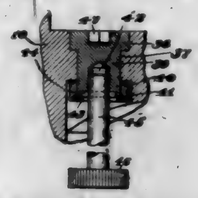
ergized; at another contact assuming another position whereby at a predetermined point the heating circuit will be closed and both circuits will receive the maximum charge of the currents controlled by the switch; and at other contacts assuming other positions by which the heating circuit is opened and the power circuit is continuously and decreasingly energized and finally opened.

1,541,379. COLLAR. WILLIAM E. PEARL, Brooklyn, N. Y. Filed Apr. 15, 1922. Serial No. 553,003. 1 Claim. (Cl. 2—129.)



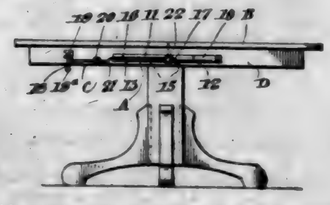
In combination, a collar band, a strip of material initially folded intermediate its ends over and suspended by said band, and constituting thereby a pair of collars of different styles, one of said collars being deeper and longer than the other of said collars, said longer and deeper collar and said band being secured together by stitching together their adjacent upper edges whereby the longer of said collars may be folded backwardly upon itself to substantially the point of the stitching and thereby overlying and concealing the shorter of said collars.

1,541,380. PRIMER CHAMBER FOR FUSES. CHARLES H. PEARSON, Brookline, Mass. Filed June 13, 1923. Serial No. 645,046. 4 Claims. (Cl. 102—36.)



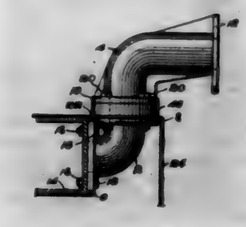
2. In a fuse, the combination of a base, a timing train mounted thereon, a detonating chamber formed in the bottom of the base, a passageway leading from the detonating chamber to the timing train, a removable primer holder located in said passageway, and a safety plate normally located between the primer holder and timing train.

1,541,381. TABLE LOCK. ARTHUR PERRIN, New Liskeard, Ontario, Canada. Filed May 16, 1922. Serial No. 561,369. 1 Claim. (Cl. 45—9.)



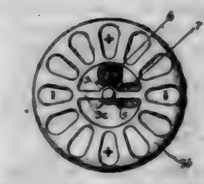
A table lock of the character described, comprising a plate adapted to be attached to one section of the table and presenting a horizontal portion formed with a series of longitudinally spaced notches, a crank pivoted at one end to another section of the table, a locking rod rigidly secured at one end to an intermediate portion of the crank and equipped at its opposite end with means adapted to engage and disengage the notches of the said plate upon tilting of the locking rod in response to pivotal movement of the crank and a bracket provided with a slot loosely receiving the intermediate portion of the rod therethrough, said brackets serving to limit upward and downward tilting of the rod.

1,541,382. CARRIER. RICHARD E. PFENNIG and EDWARD D. WRIGHT, Boston, Mass., assignors of one-fourth to Arthur Willis and one-fourth to Lewis P. Kaufman, both of Boston, Mass. Filed May 18, 1922. Serial No. 562,013. 2 Claims. (Cl. 224—29.)



1. A wheel or rim carrier comprising a pair of arms each having tubular portions angularly related and provided with end flanges connectible end to end by bolts passing through spaced holes in said flanges, one of said arms having means enabling it to be attached to the frame of an automobile and the other arm having supporting means for a spare rim or wheel, a protecting vehicle shield secured between said arms, and an adapter consisting of an annulus adapted to increase the effective length of the carrier, said annulus having holes corresponding with those in said flanges for enabling the arm securing bolts to be passed through it to secure it in the desired position with reference thereto and to said shield.

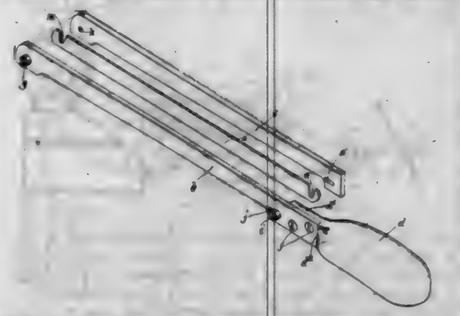
1,541,383. EDUCATOR TOY. FRANK M. PIERCE, Chicago, Ill. Filed Nov. 19, 1923. Serial No. 675,490. 6 Claims. (Cl. 273—138.)



1. In an educational toy, a rotatable cage having symbols and settling pockets, rolling elements in said cage adapted to be lodged in said settling pockets when the cage stops rotating, said rolling elements designating a numerical unit governed by said symbols.

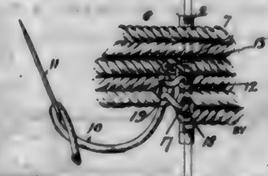
1,541,384. HACK SAW. FREDERICK W. PIERCE, Somerville, Mass., assignor to Frederick W. Pierce and Burt H. Macy, Copartners, doing Business as The-B-X-Saw Company, Boston, Mass. Filed June 6, 1923. Serial No. 643,616. 10 Claims. (Cl. 145—31.)

1. An armored wire cutting tool comprising a blade having teeth on one edge and a holder having side bars constructed to gear flatwise against the side of the blade and grip said blade throughout its length, said bars being cut away at one edge to expose the toothed edge of the



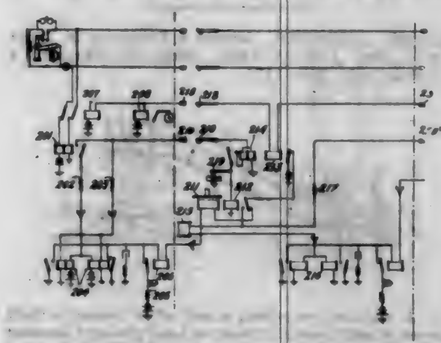
blade and said cut away edges being formed as stop shoulders projecting from the sides of the blade at right angles thereto.

1,541,385. REENFORCEMENT FOR SWEATERS AND METHOD OF MAKING THE SAME. ROY C. PISCITELLO, Boonton, N. J., assignor of one-half to Dominick N. Piscitello, Jersey City, N. J. Filed Sept. 30, 1922. Serial No. 591,459. 3 Claims. (Cl. 2—90.)



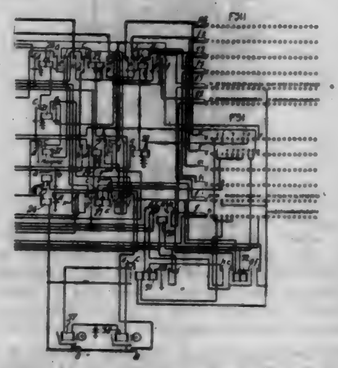
2. A garment composed of knitted members disposed edge to edge, a joining yarn passing through the loops of said members and itself knitted to form a continuation of the said members and a reenforcing strip extending crosswise of the wales of said members and secured thereto by the said joining yarn passing back and forth through said reenforcing strip between the points where said joining yarn interlocks with the loops of the said knitted sections.

1,541,386. MACHINE-SWITCHING TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, New York, N. Y., and GERALD DEAKIN, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Feb. 6, 1919. Serial No. 275,483. 10 Claims. (Cl. 179—27.)



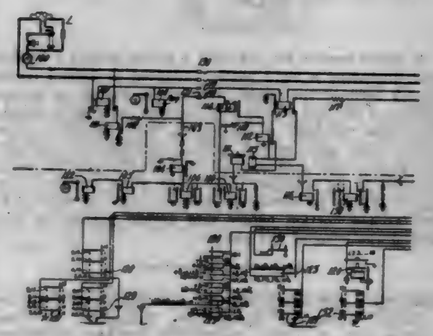
1. In a telephone system, a line, selective switches for extending said line, a register controlling mechanism for controlling said switches, means for associating the controlling mechanism with said line, means operated over the line to set said mechanism, an operator's position, a signal thereat, and means operated following the association of said mechanism with the line if said mechanism fails to undergo its setting operation for rendering said signal effective.

1,541,387. TELEPHONE SYSTEM. LIPA POLINKOWSKY, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 5, 1923. Serial No. 610,752. 14 Claims. (Cl. 179—18.)



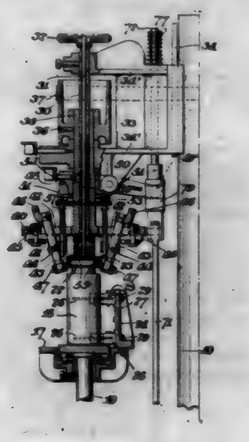
1. In a telephone exchange system, a group of switches at the same switching stage, means to place a particular one of said switches in one of a plurality of predetermined positions, means operated in accordance with the position taken by said switch to render any one of the group of switches operative, and means to operate said operative switch in the desired manner.

1,541,388. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. LIPA POLINKOWSKY, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1923. Serial No. 645,066. 15 Claims. (Cl. 179—18.)



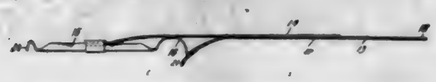
1. In a telephone exchange system, a calling line, selector switches for extending a connection from said calling line, a registering mechanism for controlling said switches, said mechanism comprising a primary register and a plurality of secondary registers, means under the control of the calling subscriber for setting said registers to record digits of the designation of a desired connection, and means whereby any one of said secondary registers may be selected directly through the operation of said primary register.

1,541,389. MACHINE FOR CAPPING JARS. ADOLPH POTDEVIN, Brooklyn, N. Y., assignor to Potdevin Machine Company, New York, N. Y., a Corporation of New York. Filed July 28, 1921. Serial No. 488,160. 4 Claims. (Cl. 226—87.)



2. The combination of a rotatable element, a bearing structure therefor, means for rotating said element, oscillatory levers carried by said element, said levers having weighted upper arms, spinners on the lower arms of the levers, vertically-movable lever controlling rods adjacent the respective levers, and means for moving said rods into close relation to the spinners to counteract the centrifugal force of the said levers.

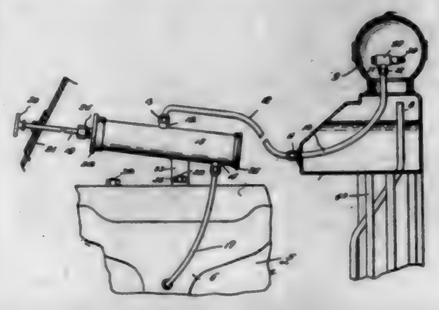
1,541,390. GUTTER HANGER. MAX RACHLIN, New York, N. Y. Filed Dec. 29, 1924. Serial No. 758,654. 1 Claim. (Cl. 108—29.)



A gutter hanger for use with a gutter having a beaded edge, including a rigid portion adapted to extend transversely between the upper edges of the gutter, an arched portion at one end of said rigid portion designed to snugly fit around the bead of the gutter, and a cradle portion joined with said arched portion designed to underlie the gutter, the free end of said cradle portion being adapted to be engaged with said rigid portion, said cradle portion extending at an acute angle in relation to said arched portion before said arched portion is bent around the bead of the gutter.

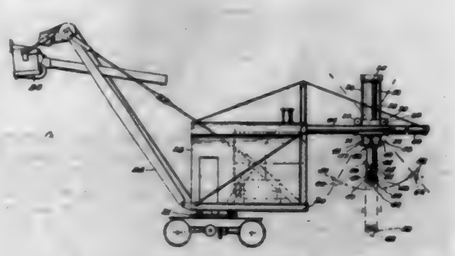
1,541,391. AIR MOISTENER. HERMAN RASMUSSEN and LOUIS LAWRENCE BORNHOLDT, Highmore, S. Dak. Filed Oct. 5, 1923. Serial No. 666,849. 1 Claim. (Cl. 123—25.)

An air moistener comprising a cylinder provided intermediate its ends with an intake port and adjacent one end with a discharge port, the inner surface of the wall of said cylinder being provided with a groove extending from said intake port toward one end of the cylinder, said groove gradually decreasing in depth from said intake, a valve reciprocable in said cylinder, and cooperative with said ports and groove, an operating rod for said valve, a conduit connected with said discharge port and adapted for connection to the intake manifold of an internal combustion engine, and a steam supply conduit having a suction-controlled spring-pressed check valve at



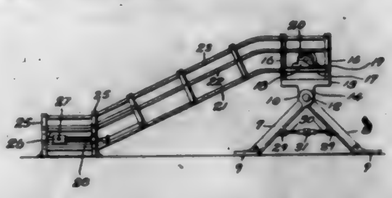
its inlet end connected with said intake port and adapted to have one end portion disposed within the steam space of an automobile radiator.

1,541,392. MECHANISM FOR BREAKING AND HANDLING STONES. JAMES REANEY, Ruxton, Md. Filed June 22, 1921. Serial No. 479,443. 4 Claims. (Cl. 262—9.)



1. In a device of the character described the combination with a trackway, a carriage on the trackway, a cylinder pivotally carried by the carriage and depending from the latter, power means for inclining the cylinder with respect to the carriage, a piston in said cylinder, a power hammer sustained by said piston and means independent of said piston for actuating said hammer.

1,541,393. CONVEYER. AUGUST J. REESTOCK, St. Louis, Mo. Filed Aug. 25, 1922. Serial No. 584,246. 8 Claims. (Cl. 198—117.)



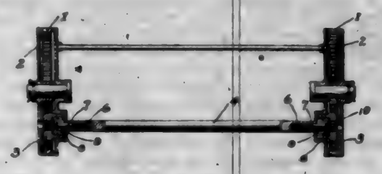
1. A conveyer comprising a pair of A frames, a shaft carried by said frames, a conveyer head pivotally mounted on said shaft, and means carried by said A frames for moving the lower ends of each frame to and from each other.

1,541,394. DEMOUNTABLE RIM FOR VEHICLE WHEELS. JOHN REIPAS, Sudbury, Ontario, Canada. Filed June 1, 1922. Serial No. 565,241. 2 Claims. (Cl. 301—35.)



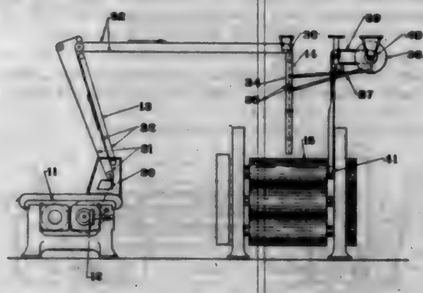
1. A demountable rim circumferentially split in two portions, each portion being provided with recesses, a metallic band engaging the two portions, and a plurality of locking elements formed with lugs, each engaging a recess in each portion, each locking element being formed with a bevelled edge designed to supply a grip for a tool to unlock the rim.

1,541,395. LAWN MOWER. ORANGE G. ROMIG, Akron, Ohio, assignor of one-half to T. Kolins, Akron, Ohio. Filed Oct. 25, 1923. Serial No. 670,779. 7 Claims. (Cl. 56—254.)



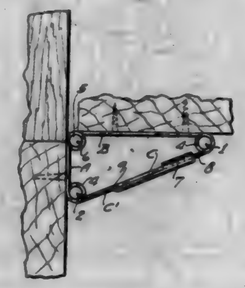
1. In a lawn-mower, the combination with a plurality of driving wheels and a rotatable blade-supporting spindle, of gears mounted upon the spindle in operative relation to the driving wheels, said gears being provided with two sets of oppositely faced ratchet members and adjustable means for selectively engaging the ratchet members.

1,541,396. CALENDERING. CLEMENT A. ROSSBACH, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1921. Serial No. 510,786. 4 Claims. (Cl. 18—10.)



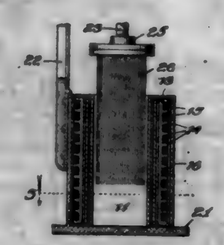
1. In combination, a warming mill, a calendar, means to spirally cut stock from said mill, and means to convey said stock to said calendar.

1,541,397. COMBINED DOOR HINGE AND BRACE. ADOLPH RUBIN, St. Louis, Mo., assignor to Silber Products Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed July 17, 1924. Serial No. 726,528. 11 Claims. (Cl. 16—138.)



1. A combined door hinge and brace, composed of a stationary hinge member, a movable hinge member, and an extensible brace combined with said members and composed of two elements pivotally connected at their outer ends to said hinge members and maintained in telescopic relationship with each other by a bent portion on one of said elements that receives the other element.

1,541,398. RADIOFREQUENCY TRANSFORMER. HENRY K. SANDELL, Chicago, Ill. Filed Mar. 5, 1923. Serial No. 622,871. 5 Claims. (Cl. 171—119.)

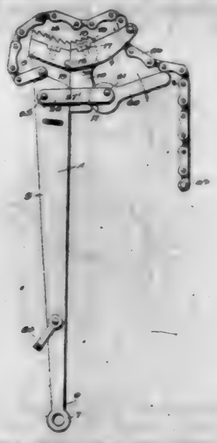


3. A radio-frequency transformer comprising an aperiodic primary winding, a periodic secondary winding, said windings being substantially coaxial, a fixed soft iron core consisting of a plurality of small soft iron wires, the ends of each wire passing around said windings and being brought into substantially overlapping position, and a soft iron core movable into and out of inductive relation to said windings, whereby the frequency of the circuit in which the secondary winding is placed may be tuned.

1,541,399. WRENCH. JOHN G. SAUNDERS, Cross Plains, Tex. Filed Oct. 17, 1923. Serial No. 669,167. 3 Claims. (Cl. 81—68.)

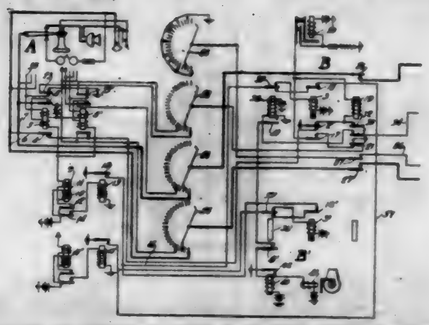
3. A wrench of the character described comprising an elongated shank, a jaw formed on the inner end of the shank, said jaw having a transverse groove formed in its inner edge, a companion jaw arranged to detachably engage the shank and form a continuation of the first mentioned jaw, a relatively short shank formed on the companion jaw for contact with the first mentioned shank having a cam seat formed therein, a pivoted yoke carried by the first mentioned shank, a pivoted cam carried by the yoke arranged to engage in the cam seat, the outer

end of the companion jaw being provided with a slot, a chain seat formed in the inner walls of the slot, and a sprocket chain pivoted at one end to the first mentioned



shank for engaging about a pipe and having its opposite end passed through the slot, any one of the links of the chain being adapted to fit in said chain seat.

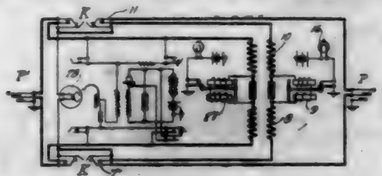
1,541,400. AUTOMATIC TELEPHONE SYSTEM. JOHN SAVIN, Liverpool, England, assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 12, 1921. Serial No. 436,664. 9 Claims. (Cl. 179—18.)



1. In an automatic telephone system, two groups of subscribers' lines, two link circuits at the exchange, a finder switch at one end of one link circuit having access to the lines in only one of said groups, a finder switch at one end of the other link circuit having access to the lines in the other group but not to the lines in the first group, and a connector switch at the opposite end of each link circuit, and wipers for each connector having access to all the lines of both groups and having movement in one direction only.

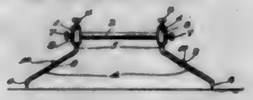
1,541,401. AUTOMATIC TELEPHONE SYSTEM. JOHN SAVIN and RICHARD MERCER, Liverpool, England, assignors to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 12, 1921. Serial No. 436,665. 8 Claims. (Cl. 179—27.)

1. In a telephone system, two classes of subscribers' lines, a selector switch accessible to lines of both classes, a trunk line accessible to said selector and having two branches at the other end thereof, two test wipers in said selector and corresponding test contacts associated with said trunk line, means whereby a calling subscriber can operate said selector to extend a connection over said trunk line via one of said branches, the branch used depending on which of said test wipers is used, and means



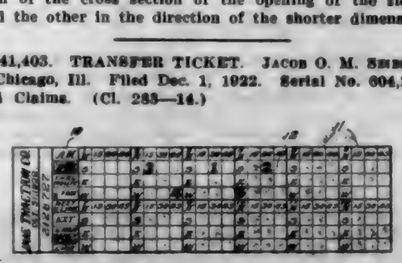
whereby if the calling subscriber is in one of said classes one of said test wipers will be used, and whereby if he is in the other of said classes the other of said test wipers will be used.

1,541,402. SAFETY DEVICE FOR LADDERS. FLETCHER A. SEAMAN, Rochester, N. Y. Filed July 31, 1922, Serial No. 578,560. Renewed Apr. 22, 1925. 2 Claims. (Cl. 228—60.)



1. A ladder attachment comprising a sleeve having an opening with a cross section elongated in one direction, a supporting arm having a straight central portion, two end portions extending from opposite sides of the central portion, one of said end portions being connected with the sleeve in line with the longer dimension of the cross section of the opening of the sleeve and the other end portion being pointed, and two clamping screws operating in said sleeve, one in the direction of the longer dimension of the cross section of the opening of the sleeve and the other in the direction of the shorter dimension.

1,541,403. TRANSFER TICKET. JACOB O. M. SEIBERT, Chicago, Ill. Filed Dec. 1, 1922. Serial No. 604,205. 4 Claims. (Cl. 283—14.)



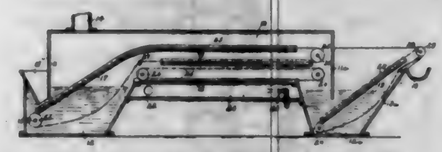
1. A transfer ticket having marked thereon twelve principal divisions, each being designated by an hour symbol, each of said principal divisions being divided into subdivisons, and indicia in connection with the subdivisons whereby each of such sub-divisions indicates both a fraction of the hour and the direction of travel.

1,541,404. RETORT. BENJAMIN H. SMITH, Los Angeles, Calif. Filed Nov. 26, 1921. Serial No. 517,947. 4 Claims. (Cl. 202—14.)



2. A device of the character described including a heating plate having a series of parallel longitudinally extending relatively shallow corrugations, and means for moving layers of material longitudinally along said corrugations on the bases of the depressions thereof so that said layers of material are spaced apart by the peaks of the ridges of said corrugations projecting slightly above said layers of material, for direct heat radiation from said exposed ridges to the upper portions of the layers of material in said depression.

1,541,405. RETORT. BENJAMIN H. SMITH, Los Angeles, Calif. Filed May 15, 1922. Serial No. 639,208. 7 Claims. (Cl. 202—14.)



5. The combination in a retort of a heating plate having parallel corrugations extending the length of said plate, conveyors adapted to move along the respective corrugations of said plate, and abutment elements removably mounted on said conveyors and adapted to move therewith along said corrugations.

1,541,406. TRANSMISSION RELINING BAND. DOUGLAS B. SMITH, San Francisco, Calif. Filed May 21, 1924. Serial No. 714,896. 2 Claims. (Cl. 188—250.)



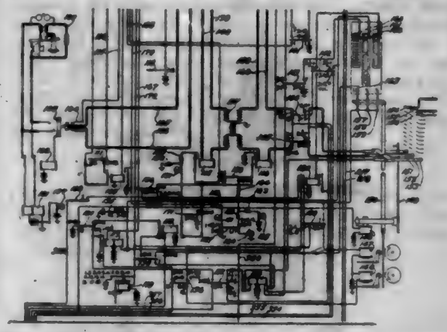
1. A liner for transmission bands comprising a flexible band having a friction facing, the ends of said band being adapted to be beat against the lugs of a transmission band, the opposite ends of said band being slotted and formed with the component parts of a hook and eye connection.

1,541,407. OPTICAL ELEMENT. KURT SPANGENBERG, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed July 20, 1923. Serial No. 652,843. 1 Claim. (Cl. 88—37.)

Optical element consisting of crystallized fluoride of sodium.

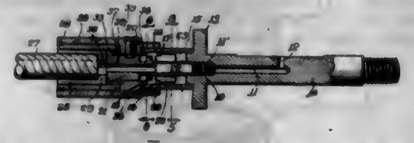
1,541,408. TELEPHONE-EXCHANGE SYSTEM. FRANKLIN A. STEARN, Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 11, 1921. Serial No. 460,318. 17 Claims. (Cl. 179—27.)

1. In a telephone system, an operator's position, a telephone set and a cord circuit thereat, selective switches, said cord circuit and switch serving to extend talking connections, a register sender for controlling the movement of said switches, a connecting relay for said cord circuit, means effective when the cord is taken for use to operate said connecting relay to connect the telephone set to said cord, means for associating said sender with the cord, disconnecting means operated by



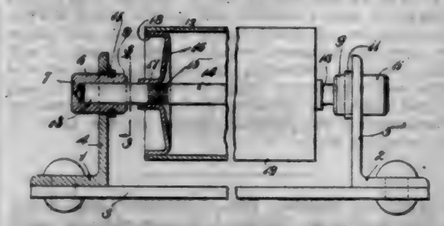
said sender to disconnect said telephone set, releasing means for said sender, and means operated by said disconnecting means for rendering the sender releasing means effective.

1,541,409. LUBRICATING COUPLING. FRANK D. WINKLEY, Madison, Wis., assignor to The Bassick Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Jan. 2, 1920. Serial No. 348,924. 3 Claims. (Cl. 284—18.)



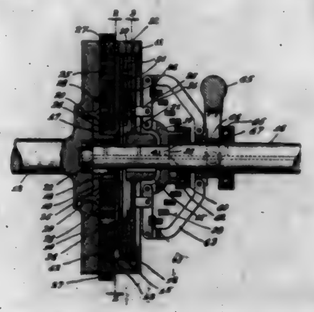
1. In a lubricating coupling, the combination of an oil receiver having an end wall formed with an opening, a valve in said receiver normally completely filling said opening, an oil delivery nozzle formed with a central valve-displacing member slidably engageable with said opening and adapted to open said valve, a cam on the inner side of said end wall, and a radial projection on the forward end of said valve-displacing member adapted to cooperate with said cam under a turning movement of said nozzle to draw the latter into oil-tight contact with said receiver.

1,541,410. CONVEYER. JAMES T. COWLEY, Syracuse, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed May 4, 1923. Serial No. 636,629. 4 Claims. (Cl. 64—10.)



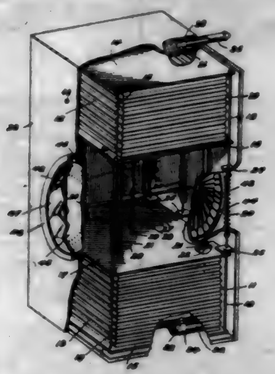
1. A conveyer comprising a support having an opening therein, a bearing sleeve removably mounted in the opening, said sleeve having an axial journal opening for the reception of a roller spindle and being provided with a circumferential groove in its outer surface, and a resilient split collar normally seated in said groove and constituting a stop to limit axial movement of the sleeve in one direction.

1,541,411. CLUTCH. LATTA O. DAVIS, Indianapolis, Ind., assignor to William M. Fogarty, trustee, Indianapolis, Ind. Filed Aug. 12, 1922. Serial No. 581,301. 29 Claims. (Cl. 192—55.)



1. In combination, a flywheel having a rim projecting axially to form a housing, a clutch located within said housing and having relatively movable clutch members which by such relative movement set and release the clutch, one of said clutch members having an axially projecting hub, a ring carried by said flywheel and providing a bearing for said hub, and a spiral spring between said hub and the rim of the flywheel.

1,541,412. AIR-SPEED METER. GEORGE DE BOTHEZAT and IVAN I. ERBMEFF, Dayton, Ohio. Filed Mar. 9, 1922. Serial No. 542,518. 3 Claims. (Cl. 73—2.)



1. In an air speed meter, the combination with bellows arranged in spaced relation, said bellows having movable closure plates, of means rigidly connecting said plates for movement in unison, wires for guiding each of said plates, springs connecting the opposing ends of said wires, means influenced by air velocity connected to each of said bellows, an indicating device, and mechanism for communicating the resultant motion of said plates to the indicating device.

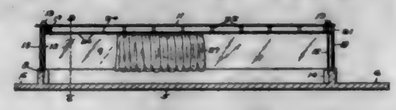
1,541,413. CARRIER FOR DEMOUNTABLE RIMS. EMIL R. DRAVER, Richmond, Ind., assignor, by direct and mesne assignments, of one-fourth to Richard E. Pfenning and one-fourth to Edward D. Wright, both of Boston, Mass., and one-fourth to Arthur Willis and one-fourth to Lewis P. Kaufman, both of Boston, Mass. Filed Mar. 14, 1923. Serial No. 624,957. 14 Claims. (Cl. 224—20.)

4. In an automobile spare rim or spare wheel carrier, in combination, two arms, means to secure one of said arms to the automobile with the upper end of said arm substantially flush with the under side of the skirt-guard, independent means to secure the other arm to said first



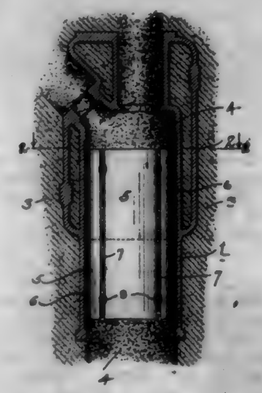
named arm with the skirt-guard therebetween, and means immovably to mount a spare wheel or rim upon said second arm.

1,541,414. GRAVE-DECORATING STRUCTURE. CLINTON G. GOPLIN, Fargo, N. Dak. Filed Feb. 5, 1924. Serial No. 690,827. 4 Claims. (Cl. 211—25.)



1. A structure of the character described comprising a base, glass sides and ends, metallic hangers engaged over the upper edge of the glass sides, strips supported in said hangers and drapes supported from said strips inside of the structure.

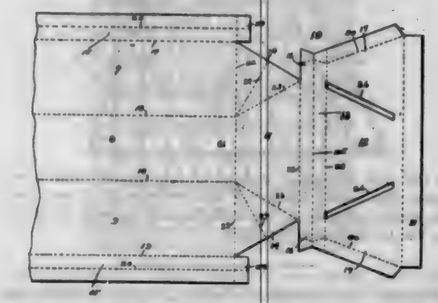
1,541,415. ENGINE CYLINDER AND METHOD OF MAKING SAME. THOMAS P. GREENHOW, Flint, Mich.; Annie K. Greenhow administratrix of said Thomas P. Greenhow, deceased. Filed May 31, 1922. Serial No. 564,977. 13 Claims. (Cl. 22—167.)



1. The herein described method of producing cast metal engine cylinders and the like consisting in forming a suitable core, embedding in the periphery of such core a plurality of segmental chill plates continuous in longitudinal direction from one end of the area to be

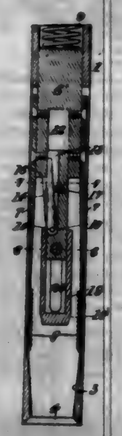
chilled to the other, and spaced circumferentially one from the other, and forming longitudinally disposed ridges of core material intermediate said chill plate, and separating them one from the other, positioning said core in a suitable mold and casting the cylinder from molten metal within said mold and around the core containing said chill plates, and removing the cast cylinder from the mold and the core and chill plates from the cylinder.

1,541,416. SHEET-METAL RECEPTACLE. HILDOR E. INGVOLDSTAD, Sioux City, Iowa. Filed Oct. 13, 1923. Serial No. 668,304. 14 Claims. (Cl. 220—62.)



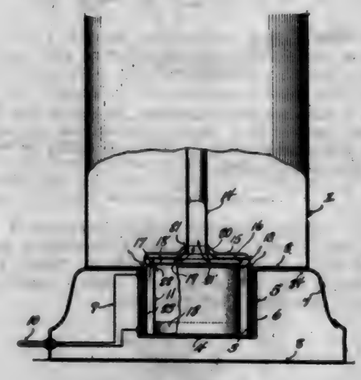
1. A receptacle formed of a single piece of sheet material and including a bottom, side walls, end walls bent upwardly from the bottom and downwardly upon themselves, thus providing inner and outer end walls, and web portions joining the side walls and inner end walls folded upon themselves, the outer end walls being slotted, and said folded web portions being extended through the slots and folded against the outer end walls.

1,541,417. FISHING TOOL. GEORGE WILLIAM KELLER, Coalinga, Calif. Filed Oct. 8, 1923. Serial No. 667,126. 6 Claims. (Cl. 294—102.)



1. A fishing tool comprising a tubular body open at one end and provided adjacent said end with downwardly converging slip guiding surfaces, a plunger reciprocably mounted within said body, a pair of slips carried by said plunger with their free ends engaging said guiding surfaces, a spring within said tubular body engaging said plunger for forcing the slips carried thereby over said surfaces toward each other into part engaging position, a trigger mounting member within said body, a plunger engaging trigger pivotally carried by said mounting member, a trigger releasing member movable into engagement with the trigger to withdraw the same from engagement with the plunger to permit said spring to force said blocks into article engaging position, and a trigger releasing member reciprocably mounted on said trigger mounting member and adapted for engaging the trigger to withdraw the same from engagement with said plunger to permit said spring to force said slips into article engaging position.

1,541,418. ELECTRICALLY-HEATED PERCOLATOR. JOSEPH KOENIG and REMUS KOENIG, Manitowoc, Wis. Filed Dec. 3, 1923. Serial No. 678,178. 5 Claims. (Cl. 219—43.)



1. An electrically heated percolator comprising a main body portion provided with a bottom having a depressed portion provided with a vertical wall, an electric heating element surrounding said vertical wall, a closed compartment fitted within said depression and spaced from the vertical wall, and a tube extending upwardly and communicating with the space between said compartment and said vertical wall, whereby when steam is formed in the spacing between said compartment and wall, heated water will be projected upwardly through said tube.

1,541,419. FOOTWEAR APPLIANCE FOR SWIMMING. EGBERTUS MARTINUS NICOLAAS KORVING, London, England. Filed Dec. 9, 1924. Serial No. 754,862. 1 Claim. (Cl. 9—21.)



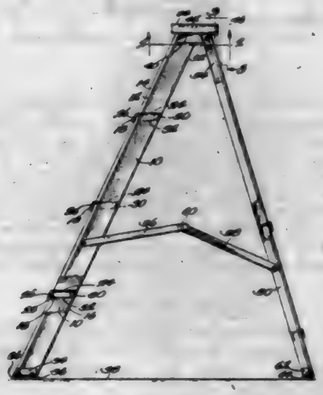
A footwear appliance having an upper part made of strong material, fixed on to a flat piece of wood shaped to the outline of the sole, said piece of wood has on the underside two flaps longitudinally attached by means of hinges leaving a space between said flaps wherein is secured longitudinally a thin strip of wood on to said piece of wood forming the sole member, cooperating parts secured at widest part of the sole members and adjacent part of flap for securing at will said flaps in horizontal position.

1,541,420. GOLF-PRACTICE APPARATUS. GEORGE H. LAMBERT, Asheville, N. C. Filed June 26, 1924. Serial No. 722,616. 10 Claims. (Cl. 273—35.)



1. In a golf practice apparatus, in which the ball is suitably secured to a leash or tether and the latter secured to a return spring, a telescopic casing or housing for the return spring.

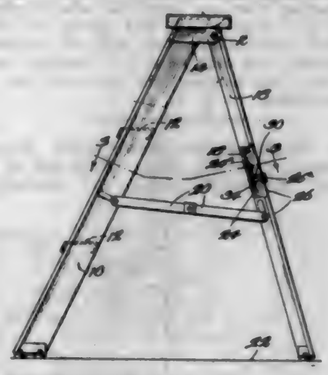
1,541,421. METAL STEPLADDER. FERNANDO J. LE BEAU, Niles Center, Ill., assignor of one-third to Erick Blaine Thelin and one-third to Titus L. Thelin, both of Chicago, Ill. Filed Jan. 17, 1924. Serial No. 686,759. 10 Claims. (Cl. 228—56.)



1. In mechanism of the class described, a pair of parallel separated upright normally inclined Z members with their lower flanges pointed inward toward each other, a straight bar across the upper flanges of said upright members, and an inverted U-shaped step filling the space between the uprights, having one flange over said bar from upright to upright and the other flange bearing on the rear flanges of the Z bar.

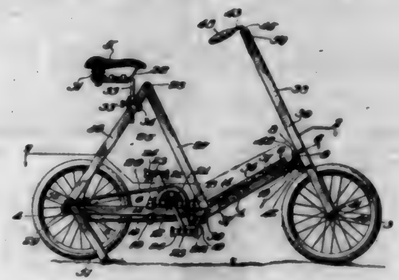
1,541,422. STEPLADDER BRACE. FERNANDO J. LE BEAU, Niles Center, Ill., assignor of one-third to Erick Blaine Thelin and one-third to Titus L. Thelin, both of Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,465. 2 Claims. (Cl. 228—56.)

1. In a device of the class described, a brace mechanism including two upright Z-members having flanges turned toward each other lying in a common plane, and two other flanges turned away from each other, lying in a different common plane; a Z-bar cross-connection between the uprights having its ends abutting the webs of the uprights and one flange resting upon and secured



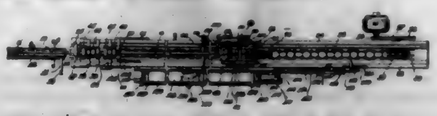
to the first mentioned flanges of the uprights and a bar under the second flange of the cross-member and over the second flanges of the uprights rigidly secured thereto, for the purposes set forth.

1,541,423. COMBINED BICYCLE AND SCOOTER. RICHARD G. LEDIG, Philadelphia, Pa., assignor to A. Mecky Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Sept. 30, 1924. Serial No. 740,719. 4 Claims. (Cl. 208—98.)



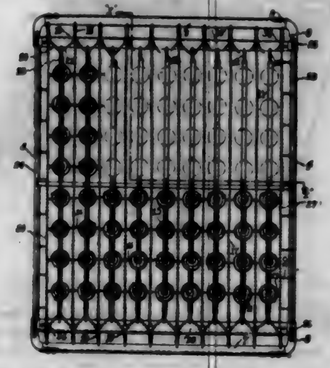
1. In a device of the character described, a lower frame comprising two coextensive frame members, having their rear portions spaced apart and substantially parallel to each other so as to form a rear fork, a rear wheel rotatably mounted in said fork near the rear extremities of said lower frame members, a crank shaft yoke straddling said two lower frame members and provided with transverse end bars secured thereto, and a crank shaft operatively connected with the rear wheel carried by said crank shaft yoke.

1,541,424. TUBE-DRAWING MACHINE. EMIL LINDERME, Cleveland, Ohio. Filed Dec. 10, 1920. Serial No. 429,638. 15 Claims. (Cl. 205—7.)



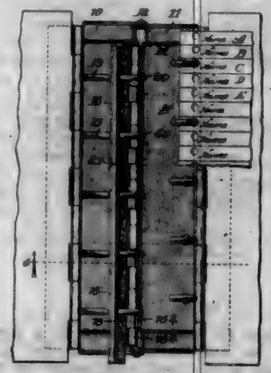
1. In a tube drawing machine, a die adapted to have a mandrel with a tube thereon pulled through said die to reduce the tube, a drawing carriage adapted to grip the mandrel and pull it through the die, swingable means actuated by said drawing carriage to support the mandrel and its tube while passing through the die, and tube loosening devices adjacent said die and adapted to loosen the tube on the mandrel as drawn from said die.

1,541,425. BEDSPRING. BENJAMIN F. LINDSLEY, Mansfield, Ohio. Filed Feb. 9, 1923. Serial No. 617,972. 1 Claim. (Cl. 5—248.)
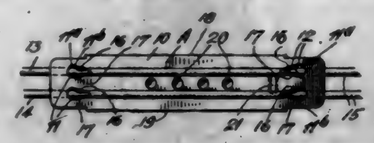


In a bed spring, risers extending rearwardly from the body portions thereof, thence inwardly at the top, angle end bars, means to secure a pair of angle end bars to said risers in spaced apart relation vertically and longitudinally from each other, supporting bars yieldingly connected to one of each pair of the angle end bars, a plurality of conical springs removably mounted on said supporting bars, a series of chains connecting the top portions of said conical springs, whereby the top portion of the springs and chains provide the top of the bed spring, and side bars yieldingly and independently connected to the risers and positioned directly over the side rails of the bed spring, flexible connections between said side bars and the adjacent chains and connected to the latter intermediate the connections of said chains and springs, a brace bar underlying and connected to the supporting bars, and inclined brace members extending from the ends of such brace bar and connected to said side bars.

1,541,426. SHEET SHIFTER FOR PRONG FILES. ARTHUR J. LLOYD, Chicago, Ill., assignor to Accounting Devices Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 26, 1924. Serial No. 758,165. 7 Claims. (Cl. 129—17.)



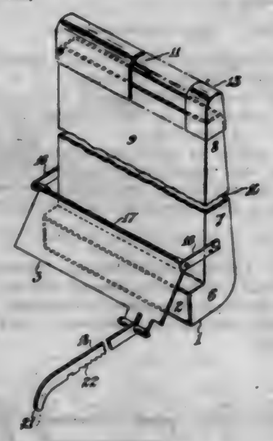
3. A file shifter adapted to be used in connection with a hinged non-shift prong file, said shifter comprising a member adapted to be removably held in fixed relation to one of the sets of prongs of said file while it is open, and a second member to which is attached a set of prongs facing one of said sets of prongs of the file, said second member being slidable longitudinally with respect to the first mentioned member, said members being hingedly connected along an axis substantially parallel to the axis of the file.

1,541,427. FASTENER FOR MAIL BAGS. ARCHIE EDGAR LOW, Ottawa, Ontario, Canada. Filed Oct. 15, 1924. Serial No. 743,832. 2 Claims. (Cl. 24—30.5.)



1. A bag fastener comprising a single piece of metal provided with cord-receiving holes at each end having inwardly bent sides designed to provide flanges to engage and grip ropes or the like passing through said holes.

1,541,428. DRAFT THROAT FOR FURNACES. FRANCIS ALEXANDER LUKE, Albert Park, Victoria, Australia. Filed July 10, 1924. Serial No. 725,223. 1 Claim. (Cl. 110—73.)

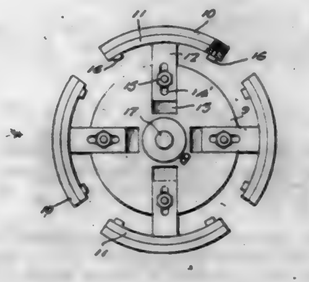


In a furnace fire bridge, a built-in metal draft throat having a forwardly extending base inlet of about the full width of the fire bridge base and having its inlet end about flush with the face of the rear wall of the fire bridge, an upwardly extending body formed integral with the base portion and having converging front and rear walls and a laterally continuous outlet in the fire bridge body, the width of said throat being uniform from the inlet to the outlet; a deflecting removable hood controlling the outlet and formed with a curved wall serving to cause discharge of the draft forwardly into the furnace, a pair of brackets carried by the aforesaid body and projecting from the rear wall of the fire bridge, a flap for controlling the inlet having its other edge supported from said brackets and an adjustable pull rod extending from the flap to the exterior of the furnace.

1,541,429. BRICKMAKING MACHINE. KENNETH G. MCMILLAN, Milledgeville, Ga. Filed May 31, 1924. Serial No. 717,075. 1 Claim. (Cl. 25—1.)

In a brick printing machine, the combination of a travelling clay bar from which the bricks are adapted to be cut, a printing member comprising a rotary carriage and a

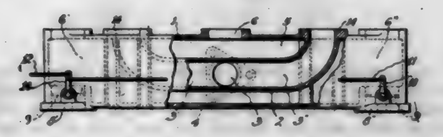
plurality of circumferentially arranged printing plates, the circumference of the printing member being predetermined to exactly equal the length of the bar necessary to produce bricks equal in number to the number of printing plates on the carrier and said plates being adjustable relatively to one another to vary the circumference of the printing member to compensate for variation in the length of bricks cut from the bar and means for utilizing the travelling movement of the bar to drive said printing member at a rate of speed equal to the speed travel of the bar.



1,541,430. ART OF PURIFYING ESTER BODIES. MATTHEW D. MANN, Jr., Roselle, N. J., assignor to Standard Development Company, a Corporation of Delaware. Filed May 9, 1922. Serial No. 559,596. 5 Claims. (Cl. 260—106.)

1. The method of purifying oil-miscible esters when associated with water-soluble alcohols which comprises admixing mineral oil and water with such materials and permitting a layer separation of the resulting mixture.

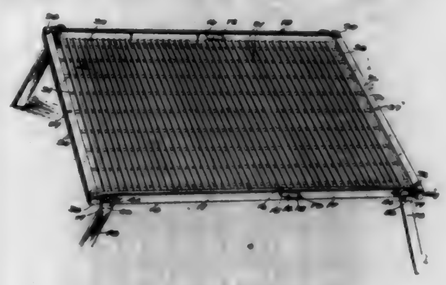
1,541,431. ENGINE MANIFOLD. ARTHUR C. MASON, Flint, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 29, 1920. Serial No. 369,564. 4 Claims. (Cl. 123—122.)



1. A manifold for internal combustion engines comprising an intake passage, an exhaust passage overlapping said intake passage at the ends, and outlet means for the exhaust passage so arranged that exhaust gases may be either chambered from each end toward the midportion of the manifold to heat the intake passage or may be permitted to escape near the ends of said manifold, directly into the surrounding atmosphere.

1,541,432. BED. RAY SQUIER MATTINGLEY, Rockport, Ind. Filed Nov. 19, 1923. Serial No. 675,729. 2 Claims. (Cl. 5—114.)

1. In a bed, a frame including side rails, each side rail including a pair of sections, a pair of links for the sections of each side rail, each pair of links being pivotally connected at one end to one section of a side rail and being pivotally connected intermediate its ends to the other section of the same side rail, a transverse pin carried by the links, said other section having an inclined slot receiving said pin in the extended position

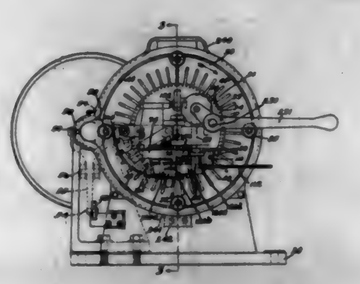


of the sections, said sections having abutting faces beveled on a plane inclined with respect to the vertical and extending transverse to the longitudinal axis of the side rail.

1,541,433. PROCESS OF PREPARING METALLIC SALTS OF DITHIOCARBAMIC ACID. YASUJURO NIKADO, Bay City, Mich., assignor to Michigan Chemical Company, a Corporation of Michigan. Filed Aug. 9, 1921. Serial No. 491,042. 7 Claims. (Cl. 260—11.)

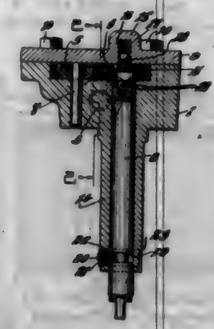
1. The process of producing stable metallic salts of alkyl dithiocarbamic acid comprising passing the distillation-product formed by the destructive distillation of beet sugar residue into carbon bisulfid, separating therefrom a solution of the amino-ammonium salts of dithiocarbamic acid, acidifying the solution with a weak acid, adding a metal salt thereto, and recovering therefrom the metallic salts of dithiocarbamic acid.

1,541,434. MACHINE FOR WEAVING FRICTION MATERIAL ON CLUTCH DISKS. WILLIAM L. O BRIEN, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 20, 1923. Serial No. 652,847. 26 Claims. (Cl. 242—1.)



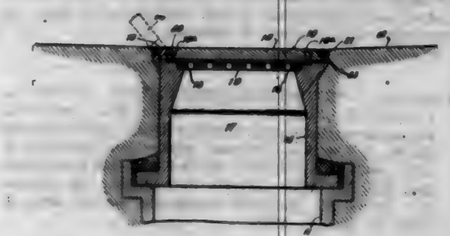
1. Apparatus for attaching cord to a toothed plate comprising, in combination, means for progressively forming loops in the cord; and means for moving the cord with the loops therein progressively from said loop forming means to and about the teeth of the plate.

1,541,435. ROTARY PUMP. EDWIN L. RELLER, St. Louis, Mo., assignor to Wiesler Instrument Company, St. Louis, Mo., a Corporation of Delaware. Filed Jan. 24, 1924. Serial No. 688,293. 5 Claims. (Cl. 103—126.)



1. A rotary pump comprising, a casing, an element rotatable in said casing, a shaft having a loose driving connection with said element, and means for holding said element against the shaft end of said casing.

1,541,436. SEWER DRAIN. MIKLOS RESHAN, Whiting, Ind. Continuation of application Serial No. 677,865, filed Nov. 30, 1923. This application filed Dec. 31, 1923. Serial No. 683,570. 1 Claim. (Cl. 182—31.)



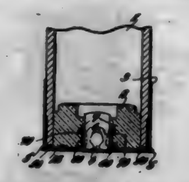
A sewer drain for preventing back flow of water and escape of sewer gas from a drain pipe and comprising a casing embedded in a floor or the like and having an opening substantially flush with the floor, a perforate plate disposed in the opening to strain water flowing through the casing, a gasket arranged in the opening, a cover pivotally secured to the casing and adapted to seat upon the gasket, and a tapered pin for locking the cover in a position wherein it is substantially flush with the floor and wherein it compresses the gasket to seal the opening, said pin being received in a recess in the floor.

1,541,437. BATTERY CUP AND METHOD OF MAKING THE SAME. GEORGE W. SCHAUERTE and JOHN M. OLIN, East Alton, Ill., assignors to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Sept. 4, 1923. Serial No. 660,867. 13 Claims. (Cl. 102—18.)



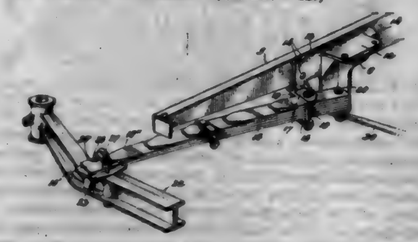
8. In a cartridge, a battery cup whose flash end is provided with slits crossing each other, said end being compressed to substantially close said slits.

1,541,438. CARTRIDGE SHELL AND PROCESS OF MAKING THE SAME. GEORGE W. SCHAUERTE, Alton, Ill., assignor to Western Cartridge Company, East Alton, Ill., a Corporation of Delaware. Filed Oct. 6, 1923. Serial No. 666,916. 14 Claims. (Cl. 102—17.)



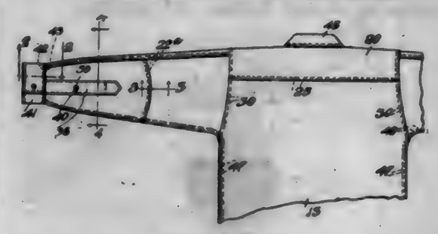
12. In the art of making cartridge shells, the process comprising placing over a battery cup and an anchor on the base, a base wad with the aperture taking freely over the cup and anchor, and condensing the wad to close on the cup and into interlocking engagement with the anchor.

1,541,439. FRONT SPRING. CHARLES R. SHORT and ROSCOE N. HART, Dayton, Ohio, assignors to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed May 23, 1921. Serial No. 471,768. 6 Claims. (Cl. 267—41.)



5. The combination of a chassis frame member and a front axle having a spring seat, a spring bracket secured to the inner side of said member, a leaf spring secured at one end to said bracket and at the other end to said spring seat, said spring and seat having inter-fitting parts to prevent relative displacement laterally.

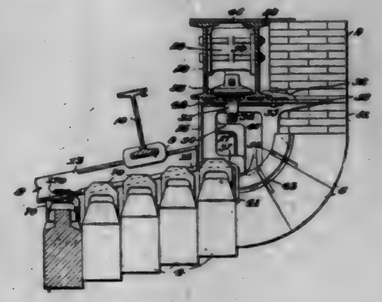
1,541,440. GARMENT. SAMUEL SPERO, Hollywood, Calif. Filed May 31, 1921. Serial No. 473,727. Renewed Oct. 31, 1924. 1 Claim. (Cl. 2—122.)



A garment, the sleeve portion of which is formed with a seam extending lengthwise thereof and a strip of reinforcing material positioned flatwise against the material forming the main portion of the sleeve at the elbow thereof extending therefrom toward the outer end of the sleeve, said sleeve being formed with a vent adjacent its outer end and presenting facings, said reinforcing strip extending across, and being stitched to, said facings to reinforce the latter, said sleeve also being provided with a cuff portion stitched thereto, said reinforcing strip and said material forming the main

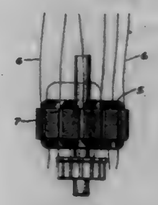
body portion of the sleeve extending into overlapped position relative to said cuff, with said stitching extending through said material, reinforcing strip and cuff, said reinforcing strip being stitched to the main portion of the sleeve along the seam which extends lengthwise of the latter.

1,541,441. FURNACE ARCH. FREDERICK C. STIMMEL, Chattanooga, Tenn., assignor to The Casey-Hedges Co., Chattanooga, Tenn., a Corporation of Ohio. Filed Oct. 19, 1923. Serial No. 669,511. 31 Claims. (Cl. 110—99.)



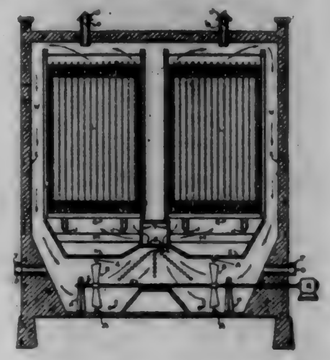
1. In a furnace arch of the character described, hanger beams having oppositely extending base flanges, pendulum hanger tiles, and tile clips for supporting said tiles from said beams, a pair of said clips having rocking engagement with each of said tiles and each pair of clips having hooked upper ends extending toward one another for engaging over the oppositely extending base flanges of the same hanger beam, the facing portions of each pair of clips being inclined downwardly and toward each other, whereby said pair of clips may have their hooked upper ends swung away from each other for disengaging them from the hanger beam under the action of said inclined portions engaging the base flanges of said hanger beam when a tile is pushed upward substantially as described.

1,541,442. METHOD OF WINDING ARMATURES. RAYMOND H. SULLIVAN, Rochester, N. Y., assignor to North East Electric Company, Rochester, N. Y., a Corporation of New York. Filed Mar. 6, 1924. Serial No. 697,344. 1 Claim. (Cl. 242—13.)



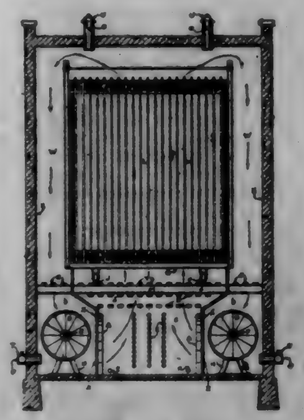
The method of winding an armature, which consists in winding overlapping coils in the armature-slots and leaving the terminal of each coil projecting at the rear end of the core until all coils have been wound: then drawing each such terminal around on top of all coils and through the appropriate slot to complete its respective coil and to bring the terminal into position for connection with the commutator.

1,541,443. REVERSIBLE CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis.; dedicated, by mesne assignments, to the People of the United States. Original application filed Apr. 19, 1924, Serial No. 708,323. Divided and this application filed Mar. 7, 1925. Serial No. 14,423. 4 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)
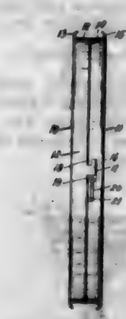


1. In a double track dry kiln arranged for edge stacking: a series of cross shafts; means for rotating said shafts in either direction to cause reversal of the circulation of the air and vapor in said kiln; two fans of opposite pitch mounted for rotation on each shaft; and an air distributing system comprising a main air distributor and two sets of diffusers.

1,541,444. REVERSIBLE-CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis.; dedicated, by mesne assignments, to the Citizens of the United States of America. Original application filed Nov. 7, 1923, Serial No. 673,240. Divided and this application filed Mar. 7, 1925. Serial No. 14,425. 14 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)



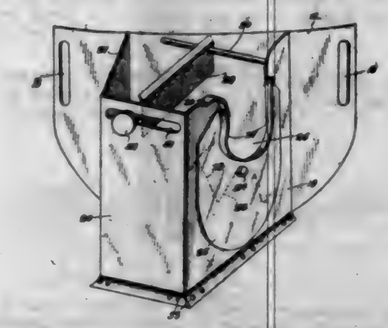
1. In a single track dry kiln arranged for edge stacking: two series of fans; two shafts on which the fans are mounted for rotation; means for rotating said shafts in either direction to cause reversal of the circulation of the air and vapor in said kiln; and an air distributing system comprising side deflecting partitions, a main air distributor, and two sets of diffusers.

1,541,445. RIM FOR VEHICLE WHEELS. FRANK C. THELEN, Jersey City, N. J. Filed Dec. 12, 1924. Serial No. 755,690. 1 Claim. (Cl. 301—23.)



A demountable rim comprising two flanged ring sections, one of said ring sections being provided with a plurality of equidistantly spaced notches in its inner edge, a lug projecting into each notch adjacent the inner edge of the respective ring section, a plurality of equidistantly spaced hooks on the inner edge of the other ring section, the bills of said hooks being adapted to engage said lugs, when said hooks are seated in said notches, by rotating one of said ring sections relatively to the other, whereby said ring sections are secured against lateral movement, and a spring-pressed tongue in one of said notches, adapted to abut against the respective hook to prevent circumferential movement of one of said ring sections in relation to the other, the outer edge of said tongue being beveled to permit said tongue to be forced out of its notch when the respective hook is being seated in said notch.

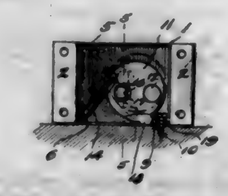
1,541,446. TEA GATHERING. CARL-HEINZ TILLMANNS, Bandoeng, Java, Dutch East Indies, assignor of one-third to Cornelis Johannes Roeters van Lennep, Bandoeng, Dutch East Indies. Filed Jan. 13, 1925. Serial No. 2,236. 9 Claims. (Cl. 146—1.)



1. A tea-gathering implement, comprising a carrier plate having means for enabling its attachment to the body of the user; and a knife plate secured to the carrier plate for severing the stalks of the gathered bundles of tea plants held in the hands of the user.

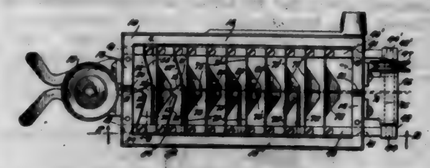
1,541,447. COMBINED SASH AND LIFT LOCK. EDMOND VAN DER ZWALEN, St. Charles, Ill. Filed Mar. 3, 1924. Serial No. 696,654. 2 Claims. (Cl. 292—127.)

1. In a device of the class described, a casing including a front wall having an elongated slot therein, a lift embodying a bolt penetrating said slot for movement therein, a disk eccentrically mounted within the casing, a bolt tangentially mounted on the periphery of said disk, said casing provided with an opening, a spring in said casing



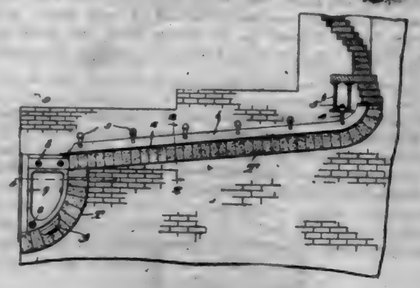
normally holding the disk so that said bolt is disposed over said opening, said first mentioned bolt piercing the disk so that upon movement said disk will be rotated for moving the bolt away from the opening.

1,541,448. YARN CLEANER. HENRY E. VAN NESS, Elmira, N. Y. Filed Feb. 14, 1923. Serial No. 618,683. 16 Claims. (Cl. 28—66.)



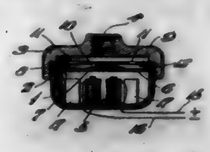
1. In a yarn cleaner for removing particles from a traveling yarn, the combination with means for guiding the yarn through the cleaner, of a blade extending transversely to the direction of the travel of the yarn through the cleaner and having an edge adjacent to the yarn, and means independent of the travel of the yarn across said edge for causing a rapid reciprocatory movement of said edge in directions approximately longitudinal of the yarn traveling through the cleaner.

1,541,449. SUPPORT FOR FURNACE ARCHES. CHARLES F. WAGNER, Atlantic City, N. J. Filed July 8, 1921. Serial No. 483,338. 1 Claim. (Cl. 122—6.)



In a furnace structure a hollow bracket support having grooves in opposed faces thereof, hollow beams separate from but supported adjacent the bracket support, said beams having grooves in the opposite faces thereof, pipes connecting the bracket supports, pipes connecting the beams, tiles projecting into the grooves in the bracket supports and beams and held assembled by engagement therewith, and end supports connected to a pipe of each beam for supporting those ends of the hollow beams remote from the bracket supports.

1,541,450. RADIO LOUD-SPEAKER RECEIVER. HENRY WALKER, Wilmington, Del. Filed Feb. 29, 1924. Serial No. 695,884. 5 Claims. (Cl. 179—110.)



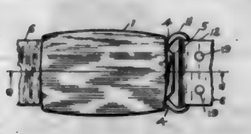
1. A radio loud speaker receiver, comprising a casing element having a magnet and coils therein, a casing element having a tone passage therein and spaced apart diaphragms clamped between said casing elements of which one diaphragm has a central stiffened portion and the other has a vibratory tongue in register with said stiffened portion.

1,541,451. VANITY CASE. EDWARD P. WALLACE, Waterbury, Conn., assignor to Risdon Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed May 13, 1924. Serial No. 712,952. 12 Claims. (Cl. 132—83.)



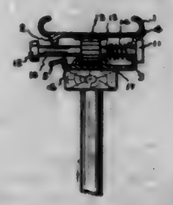
1. In a vanity case, a base, a cover, a hinge for pivotally connecting said base and said cover, said base and said cover both being adapted to contain powder compacts, a strap located between the cover and base and pivoted on the hinge connecting said cover and base, and a mirror pivoted on the free end of said strap, said mirror being adapted to be swung about its pivot for use with the compacts in either the base or the cover.

1,541,452. UNDERSWUNG CAM BUCKLE. WALFRID WALLENTHIN, Attleboro, Mass., assignor to W. W. Associated Attleboro Manufacturers, Inc., Attleboro, Mass., a Corporation of Massachusetts. Filed Apr. 17, 1923. Serial No. 632,788. 6 Claims. (Cl. 24—191.)



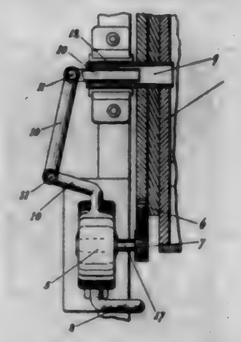
1. In a buckle, the combination of a binding member provided with pivot flanges on each side thereof and a cam member having pivotal lugs extending laterally therefrom near the inner end thereof, side flanges projecting forwardly from said lugs, a gripping portion having an extended surface of convex shape of slight curvature for gripping the free end of a belt against said binding member integrally attached to said side flanges and extending outwardly from said pivotal lugs and a bail extending integrally outwardly therefrom for permanent attachment thereto of a belt end, said cam member being pivoted on the flanges of the binding member.

1,541,453. DEMOUNTABLE RIM AND WHEEL FOR AUTOMOBILES AND OTHER VEHICLES. CLAYTON STUART WATKINS, Wichita Falls, Tex. Filed Dec. 20, 1922, Serial No. 607,981. Renewed Oct. 27, 1924. 3 Claims. (Cl. 301—17.)



1. The combination with a vehicle wheel comprising a felloe provided with side flanges, one of said flanges being inclined outwardly and the other flange being shaped to support a tire rim, a tire rim having a depending flange the edge of which is beveled to correspond with the inclined flange upon said felloe, said felloe and rim having cooperating locking wedges provided with coacting wedging faces, and means for rotating said rim relative to said felloe whereby to bring said wedges into locking relation, of a plurality of U-shaped brackets upon said felloe, and rollers in said brackets to support and guide said tire rim.

1,541,454. ELECTROPLATING MACHINE. WILLIAM WATSON WELLS, Toronto, Ontario, Canada. Filed Jan. 21, 1922, Serial No. 530,840. Renewed Sept. 2, 1924. 5 Claims. (Cl. 204—11.)



1. In an electroplating machine, the combination with the tank containing the electrolyte and the rotatable perforated drum containing the articles to be plated, of means for drawing off from the tank that portion of the electrolyte richest in metal and circulating it through the drum.

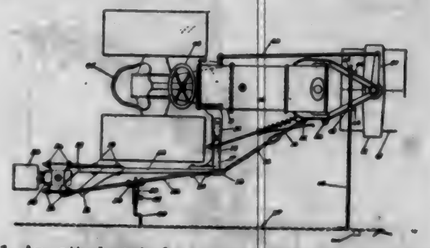
1,541,455. PLUMB AND LEVEL INSTRUMENT. GEORGE C. WHITE, Miami, Fla. Filed Apr. 14, 1924. Serial No. 706,447. 3 Claims. (Cl. 33—215.)

1. A device of the class described comprising a stock, a pendulum, and pivot means for the pendulum, the pivot means being carried by the stock, and the pendulum having an elongated opening wherein the pivot means is



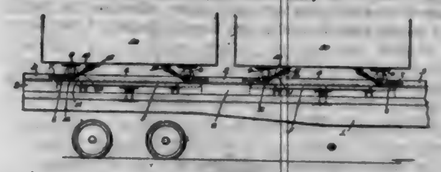
received, thereby permitting a shifting of the center of mass of the pendulum with reference to the pivot means, when the stock is turned end for end.

1,541,456. FURROWING DEVICE. HORACE R. WILSON, Harvey, Ill. Filed June 25, 1924. Serial No. 722,275. 15 Claims. (Cl. 37—98.)



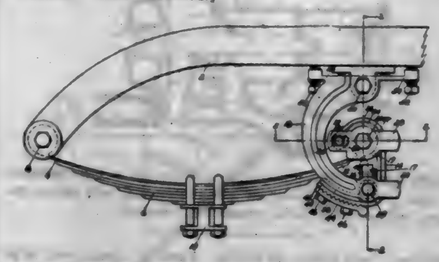
1. An attachment for a road roller comprising a laterally disposed pivot secured to the side thereof, a furrow forming device rotatively secured on the pivot and means for adjusting the device around the pivot for the purpose set forth.

1,541,467. SYSTEM OF TRANSPORTATION. SIDNEY B. WINN, Lapeer, Mich. Filed July 2, 1923. Serial No. 648,964. 8 Claims. (Cl. 214—38.)



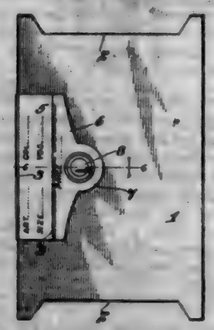
1. As a means for transporting commodities, etc., a traveling carrier having a trackway extending longitudinally of the carrier, said trackway being adapted to permit travel of wheeled carriers and containers thereover and including a plurality of individual turntables symmetrically disposed on the carrier and adapted to carry a portion of said trackway, said turn-tables being spaced apart relative to each other and arranged to provide the conditions of a continuous trackway or a trackway broken by movement of a turn-table, and co-operating means carried by the stationary and turntable portions of the car to maintain the trackway in its alined condition, whereby the trackway may contain a plurality of wheeled carriers or containers with the loading and unloading of the carriers or containers provided with the turn-tables in position to aline the trackway or with the continuity of the trackway broken to permit the carriers or containers to be moved to and from position on the travelling carrier in a regular succession or in an irregular order.

1,541,458. VEHICLE. FREDERICK W. WRIGHT, Danvers, Mass. Filed Jan. 9, 1924. Serial No. 685,214. 11 Claims. (Cl. 267—54.)



1. In a vehicle having relatively movable elements, one of which is the frame of the vehicle, a support for the other element, a portion of the said other element being disposed above an adjacent portion of the frame, and a tape, an intermediate portion of which extends around one of the said element portions and having portions on both sides of the said intermediate portion secured to the other of the said element portions.

1,541,459. BRAID-WINDING-CARD LABEL. CARL J. R. AHRENS, Weehawken, N. J. Filed Sept. 6, 1923. Serial No. 661,143. 1 Claim. (Cl. 40—2.)

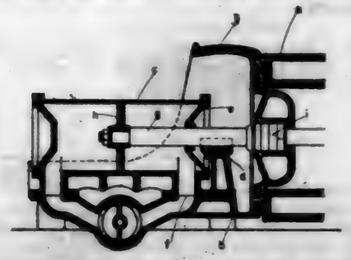


The combination with a braid winding card comprising a flat member having cut-away ends for receiving braid and the like, of a label comprising outer sections adhesively secured to the card, one of said sections being secured to one side of the card and overlapping an edge thereof between the two cut-away ends, the other of said sections being secured wholly on the other side of the card between the cut-away portions at the end of card, and a removable intermediate portion secured to the two outer sections of the label for bearing indicia indicating the contents on the card and positioned adjacent to the free edge thereof.

1,541,460. GAS ENGINE COMBINED WITH A SCAVENGING PUMP. ERICH ARENDT, Saarbrucken, Germany, assignor to Ehrhardt & Sehmer Aktiengesellschaft, Saarbrucken, Germany, a Corporation of Germany. Filed Mar. 9, 1925. Serial No. 14,251. 7 Claims. (Cl. 123—66.)

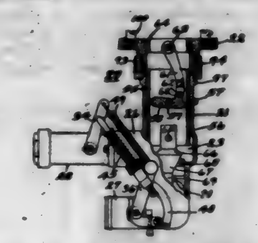
7. In a gas engine combined with a scavenging pump, an engine cylinder, a slide bed attached to said engine cylinder, a pump cylinder slidably mounted on said slide bed, a piston rod extending into both said cylinders, a pump piston which is carried and whose entire weight

is substantially taken by said rod, a bearing likewise adjustably mounted on said slide bed and arranged to support said rod, and a connecting member adapted to



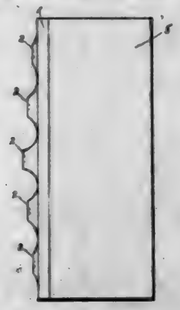
rigidly connect the pump piston with the pump cylinder, so that axial movement of the piston-rod will move the pump cylinder and said connected bearing.

1,541,461. MIXING DEVICE. FRED E. ABELTINS, Dayton, Ohio, assignor to General Motors Research Corporation, Dayton, Ohio, a Corporation of Delaware. Filed July 2, 1923. Serial No. 648,892. 6 Claims. (Cl. 48—180.)



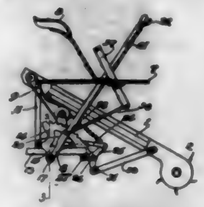
3. A mixer for internal combustion engines comprising in combination, a suitable casing containing a mixing chamber, and air and gas passages leading thereinto; a vertically movable hollow tubular sleeve fitting within said casing and guided within its movements thereby, an oscillation lift plate pivotally suported within said sleeve, and partaking of the movements thereof; and a lever, the upper end of which is pivotally connected with said casing, and the lower end of which is pivotally connected with said lift plate to one side of the pivotal support aforesaid therefor.

1,541,462. COMBINATION GOLF-TEE BLOCK. AMOS PIERCE AVERY, St. Petersburg, Fla. Filed Nov. 22, 1923. Serial No. 676,358. 1 Claim. (Cl. 773—33.)



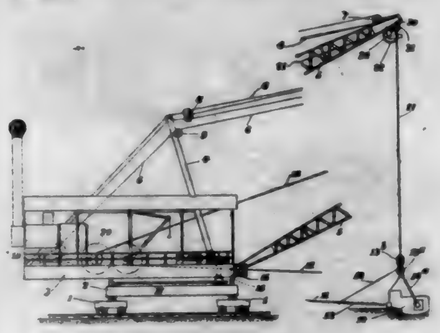
A golf tee block having a plurality of tees of different heights provided with depressions forming ball seats, said tee block comprising an embedded block and resilient tee base fixedly secured to the upper surface thereof, said tees being integral with said base.

1,541,463. SHEAF LOADER. WILLIAM ALBERT BALDWIN, of Winnipeg, Manitoba, Canada. Filed Oct. 8, 1923. Serial No. 667,361. 3 Claims. (Cl. 56—345.)



1. In a sheaf loader, the combination with a pickup conveyor and means pivotally supporting the upper end of said conveyor, of an adjusting lever adjustably supporting the forward end of the pickup conveyor in a set position in respect to the ground and a foot pedal connected with the forward end of the conveyor, said foot pedal being adapted to raise the conveyor to pass a ground obstruction without having to operate the lever.

1,541,464. DRAG-LINE EXCAVATOR. HUBERT OSWALD BEDGOOD, Glasgow, Scotland, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Filed May 9, 1924. Serial No. 711,950. 6 Claims. (Cl. 37—116.)



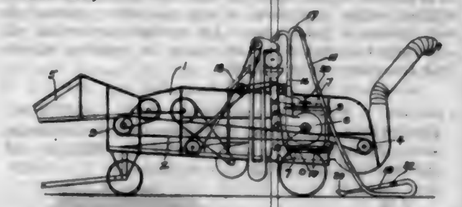
1. The combination with the boom of a drag-line excavator of a single pulley over which the bucket hoisting rope is adapted to pass, the pulley being pivotally connected to the boom at two places whereby the pulley can swing both laterally and longitudinally of the boom.

1,541,465. VALVE. WILLIAM L. BELKNAP, Fairfield, Conn. Filed Apr. 7, 1924. Serial No. 704,894. 6 Claims. (Cl. 251—27.)



5. A valve construction of the character described, comprising a non-metallic and non-porous valve disc, a metal disc holder having a threaded stem, an interposed impressible member, means adapted to indent said member, and a nut mounted on the stem of the holder to force the valve disc and holder firmly against said interposed member to indent the same and seal the valve against escape of fluids when the valve is closed.

1,541,466. RACK-CLEANING DEVICE. ARTHUR JOHN A. BELL, Okotoks, Alberta, Canada. Filed May 12, 1924. Serial No. 712,835. 2 Claims. (Cl. 130—29.)



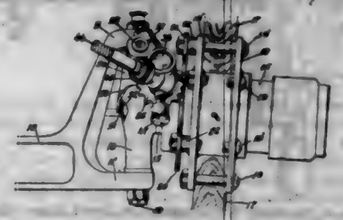
1. The combination with a grain separator having a driving belt, of a guide frame secured to the separator body, a blower having a drive belt adapted to be driven from the drive belt, said blower being slidably mounted upon the frame and means for moving the driving pulley into and out of contact with the driving belt.

1,541,467. HAND BRACE AND SIMILAR TOOL. BROR JOHANNES BENGTSSON, Kallered, Sweden. Filed June 6, 1923. Serial No. 643,814. 2 Claims. (Cl. 77—7.)



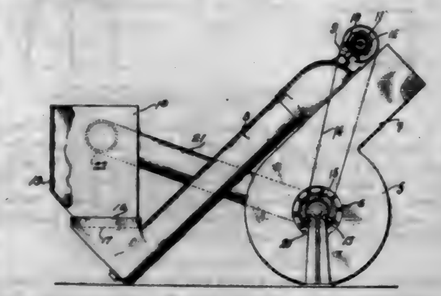
1. A hand brace including a body portion adapted to support a drill, guides on said body portion, a bar slidably mounted in said guides, resilient means for forcing said bar outwardly, adjustable studs on the bar for regulating the yielding amplitude of the latter, and a foot provided at the outer end of the bar and adapted to bear against the face of the work piece actuated upon by the drill.

1,541,468. SPEEDOMETER-DRIVING MECHANISM. JOSEPH BERGE and EDWIN A. GUSTAFSON, Flint, Mich., assignors to A C Spark Plug Company, Flint, Mich., a Corporation of Michigan. Filed May 8, 1922. Serial No. 559,213. 5 Claims. (Cl. 74—7.)



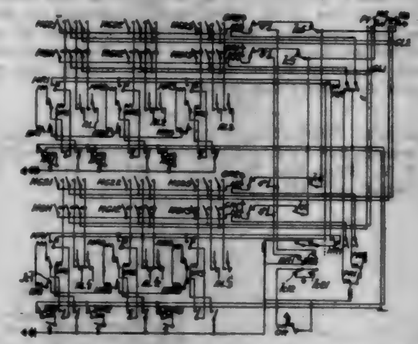
4. In a speedometer driving mechanism, a supporting bracket adapted to be mounted upon a steering knuckle of a vehicle and comprising a sleeve adapted to surround the knuckle and be clamped thereto, and means for positioning said sleeve on said knuckle.

1,541,469. PNEUMATIC CONVEYER. GEORGE BERNERT and JACOB BERNERT, Milwaukee, Wis. Filed June 3, 1921. Serial No. 474,746. 3 Claims. (Cl. 302—11.)



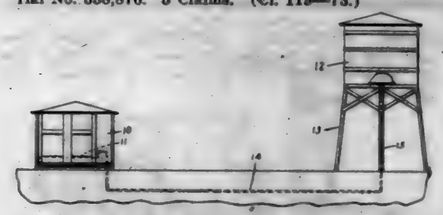
1. A pneumatic conveyer, comprising, in combination, a fan casing, a conveying duct extended from the fan casing, a blower fan in the casing for procuring a pressure of conveying current of air in the duct, air inlet means for the fan casing, an elongated conveyer casing having a discharge and a receiving point, means connecting the conveyer casing discharge point with the conveying duct ahead of the fan, mechanical conveying mechanism within the conveyer casing and adapted to convey material entering the conveyer casing at its receiving point through the casing to the conveying duct to be therethrough conveyed by the conveying current of air, and means connecting the inlet means of the fan casing with the interior of the conveyer casing, whereby any back pressure in the conveyer casing incidental to its connection with the conveying duct is relieved and carried off through the blower fan.

1,541,470. ELECTRICAL SWITCHING DEVICE. GOTTHILF ANSGARIUS BETULANDER, Sodertorns Villastad, Sweden, assignor to The Relay Automatic Telephone Company, Limited, London, England. Filed Aug. 17, 1921. Serial No. 493,131. 5 Claims. (Cl. 179—27.)



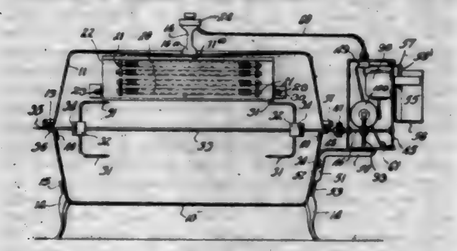
1. The combination with a system of electrical lines of two orders in which any line of the first order upon its electrical condition becoming modified is enabled for connection to an idle line of the second order and means for effecting the connections, of means whereby whilst the connecting means is dealing with a modified line subsequently modified lines are disabled from controlling the connecting means and whereby such subsequently modified lines are enabled and maintained in condition for connection and thereafter connected one at a time.

1,541,471. STOCK-WATERING APPARATUS. THOMAS W. BLACK, Eaton, Ind. Filed Feb. 24, 1922. Serial No. 538,876. 5 Claims. (Cl. 119—73.)



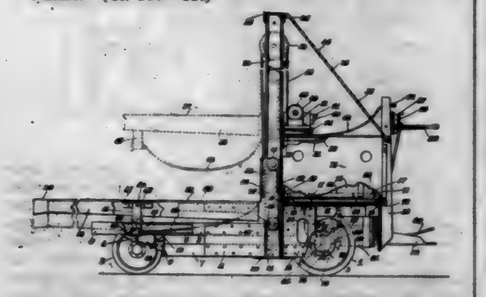
2. In a knock-down device of the character described, a side having an opening therein, a hinged closure for said opening, hinge means supported by said side adjacent the opening normally maintaining said closure in closed position but permitting forcible movement thereof, said means being tiltable into non-closing position adjacent the side for shipping purposes.

1,541,472. COOKING APPLIANCE. WILLIAM F. BORN, Lakewood, Ohio. Filed Nov. 30, 1923. Serial No. 677,748. 22 Claims. (Cl. 219—35.)



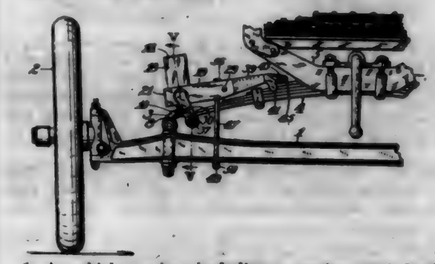
3. The combination of a pair of pans having flanges formed about the perimeters thereof, whereby one pan may be inverted and superimposed upon the other to form an enclosure, electrical heat radiating means carried by the top pan, a rotatable mechanism supported by a bearing formed at the meeting line of the two pans the bottom pan and disposed within said enclosure, said rotatable mechanism being adapted to rotatably carry food in juxtaposition to said electrical heat radiating means and power driven means connected to said rotatable mechanism and detachable therefrom by an endwise movement of said rotatable member and disposed exteriorly of the enclosure for driving said rotatable food supporting means.

1,541,473. INDUSTRIAL TRUCK. JULIUS M. BREITENBACH, New York, and WILLIAM SCHROEDER, Brooklyn, N. Y. Filed June 29, 1921. Serial No. 481,232. 10 Claims. (Cl. 187—11.)



5. A truck having a guide, comprising an I-beam of standard form, a pair of rollers travelling within one of the channels of the I-beam and adapted to bear upon the flanges thereof, the rollers being of slightly less diameter than the distance between the inner faces of the flanges to afford clearance and being coned to conform to the taper of the inner faces of the flanges, a similar pair of rollers travelling within the other channel of said I-beam, a yoke, means for rotatably mounting all said rollers in said yoke, and means for securing to said yoke the object to be guided.

1,541,474. VEHICLE SPRING AND MOUNTING THEREFOR. DALMAR T. BROWNLEE, Indianapolis, Ind. Filed Jan. 27, 1922. Serial No. 532,210. 12 Claims. (Cl. 267—17.)



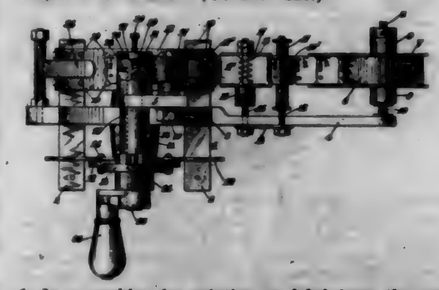
1. A vehicle spring including a spring seat having a pivot underneath it and having also a lateral controlling arm fixed thereon, a coil spring supported upon the spring seat, a hanger supported upon the coil spring and having a guide arm rigidly fixed thereto, and a loop connected substantially with the controlling arm and the guide arm.

1,541,475. CONSTRUCTION OF DAMS. CHRISTIAN BRYNOLDT, Pittsburgh, Pa., assignor to Blaw-Knox Company, a Corporation of New Jersey. Filed Oct. 25, 1922. Serial No. 596,816. 16 Claims. (Cl. 25—131.)



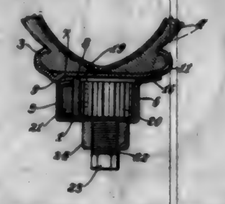
1. The method for constructing concrete dams and the like, which comprises constructing on the foundation or footing one or more longitudinal walls adapted to form part of the dam sections and to serve as a pathway and means of support in further operations, and then building out the dam section with loose green concrete from and beside such wall or walls.

1,541,476. MACHINE FOR PRINTING ON LABEL TAPE. EMIL F. BUSHONG, New York, N. Y., assignor to G. Reis & Bro., Inc., New York, N. Y., a Corporation of New York. Filed July 12, 1922. Serial No. 574,382. 4 Claims. (Cl. 101—228.)



1. In a machine for printing on label tape, the combination of means for engaging the tape to positively feed it, a Geneva stop movement including a pin and a star wheel for driving the tape-feeding means to move the tape step by step, a rotary printing head co-operating with the tape and feeding means to print on the tape as it is moved step by step, and means for rotating the printing head synchronously with the pin, said printing head, star wheel and feeding means being relatively adjustable so that the parts can be so adjusted that the type will engage the tape and lie normal thereto when the pin is at the bottom of a slot in the star wheel.

1,541,477. DEMOUNTABLE RIM. THOMAS F. CARPENTER, St. Louis, Mo., assignor of one-fourth to Charles H. Schokmiller, St. Louis, Mo. Filed Apr. 17, 1922. Serial No. 553,842. 8 Claims. (Cl. 301—26.)

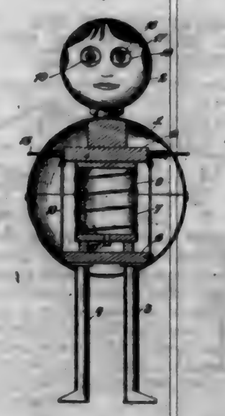


1. A wheel comprising, a felloe provided with a bearing flange, a rim adapted to take over said felloe and having a rib adapted to engage said flange, abutments on said rim, a clamping ring mounted on said felloe inside of and bearing against said flange, and cams on said ring cooperating with said abutments.

1,541,478. PAINT AND STAIN AND PROCESS OF PRODUCING THE SAME. GEORGE W. CARVER, Tuskegee, Ala. Filed June 13, 1923. Serial No. 645,199. 2 Claims. (Cl. 134—58.)

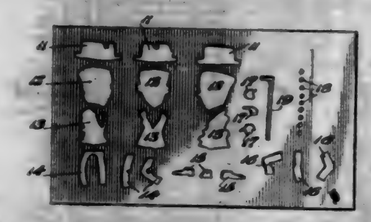
1. The process of producing pigment or the like which comprises boiling clay and metallic iron with acid and separating the coarser particles therefrom.

1,541,479. TOY WITH VOICE AND MOVABLE FEATURES. IRWIN E. COHN, New York, N. Y. Filed Oct. 6, 1924. Serial No. 742,049. 3 Claims. (Cl. 46—40.)



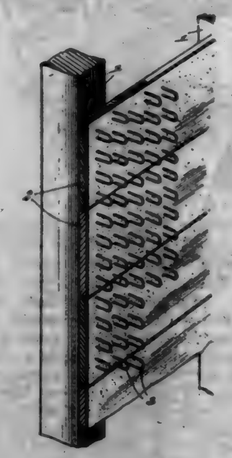
1. A hollow figure toy composed of rigid members telescopically interfitted for relative sliding movement, one of the rigid members being provided with a base adapted to rest upon a support and forming a supporting means for the other member, a pneumatic sound producing device in one of the movable members and in operative relation with the other rigid member, a resilient means for maintaining the second mentioned telescoping member in a normal upward position from the base member, the second mentioned movable member being depressible on the base member whereby one member slides into the other member to cause actuation of the sound producing device against the action of the resilient means.

1,541,480. TRANSPARENT STENCIL. MARSHALL S. COMPTON and EDWARD G. SCHREIBER, New York, N. Y. Filed Nov. 26, 1923. Serial No. 676,892. 1 Claim. (Cl. 35—2.)



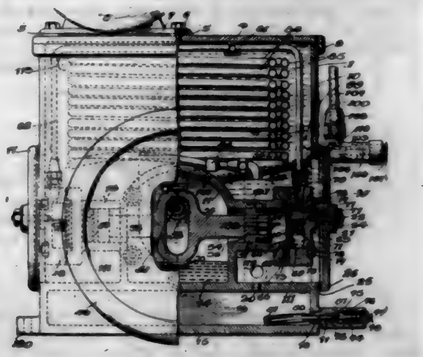
An article of the character stated comprising a transparent stencil sheet having a plurality of individual cut-away portions therein denoting several postures of the major portion of a subject to be illustrated, said cut-away portions being arranged in disjointed and selected relation and showing various positions of activity whereby in use rough sketches of outlines only may be inscribed or traced from the same transparent stencil sheet of numerous postures of said subject, the disjointed outlines of which are to be subsequently completed by the artist.

1,541,481. WALL SHEATHING. CHARLES O. COWAN, Palo Alto, Calif. Original application filed June 22, 1923, Serial No. 647,081. Divided and this application filed Feb. 27, 1924. Serial No. 695,512. 2 Claims. (Cl. 20—4.)



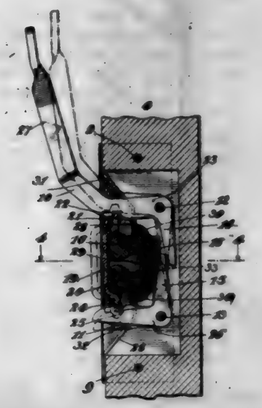
2. In a wall sheathing, the combination with a support, of building boards arranged against the support, means extending through said building boards into the supports for securing the building boards to the supports, said securing means projecting from the outer faces of the building boards, the projecting portions of said means being adapted to bind plaster or the like to said building boards.

1,541,482. REFRIGERATING APPARATUS. HOWARD PAUL CELVER, Parkersburg, W. Va., assignor of one-half to J. H. Randolph, Parkersburg, W. Va. Filed Apr. 29, 1924. Serial No. 709,731. 10 Claims. (Cl. 62—115.)



1. A refrigerating compressor condenser unit comprising a casting, a partition dividing the casting into a chamber for storing condensed gas and a chamber for cooling water, a crank case integrally formed with the casting in the cooling chamber, a pair of oppositely disposed compressor cylinders cast integrally with the crank case and supported above the partition in the cooling chamber by the crank case.

1,541,483. DOORLOCK. WALTER H. D'ARDENNE, Lawndale, Pa., assignor to Heintz Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 9, 1922. Serial No. 593,179. 5 Claims. (Cl. 292—31.)



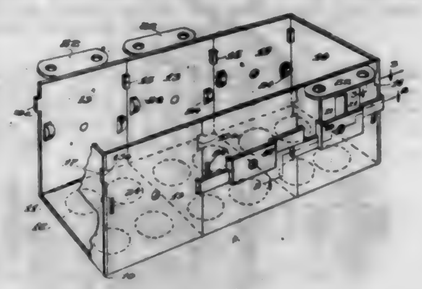
1. In a lock of the character described, the combination of a latch movable into and out of locking position, keeper means for said latch, and means, comprising a pad of resilient material, for holding said latch in locking position, said pad also constituting a buffer.

1,541,484. HIGH-VOLTAGE ELECTRON TUBE. WILHELM DAUMANN, Hamburg, Germany, assignor to C. H. F. Müller, Röntgenröhrenfabrik, Hamburg, Germany, a Corporation of Germany. Filed Feb. 7, 1922. Serial No. 534,695. 1 Claim. (Cl. 250—35.)



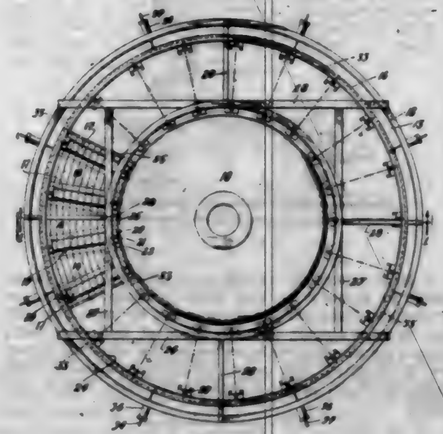
A high voltage electron tube, comprising a receptacle, an anticathode element located in said receptacle and having a flat face in the central portion of the receptacle and at a right angle to the longitudinal axis of the receptacle, and a filamentary cathode element likewise located in said receptacle and extending substantially lengthwise thereof, said cathode being bent sharply at its end or apex which faces the anticathode, such apex being located at the central portion of the receptacle and the space between such apex and the opposing face of the anticathode being unobstructed, and the distance between the flat face of the anticathode and the apex of the cathode element being at least about one-half of the median distance between said cathode element and the flat face of the anticathode.

1,541,485. ELECTRIC SWITCH BOX. EARL DENNIS, Detroit, Mich. Filed Mar. 8, 1922. Serial No. 541,936. 6 Claims. (Cl. 247—16.)



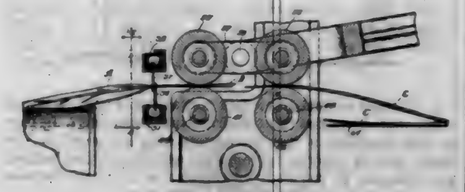
1. In a switch box, a body section having a back and two sides, two end sections, a clamping member for each side of the body section adapted to extend transversely thereover and project beyond the edges at each end, each clamping member having its end portions offset substantially the width thereof to lie alongside the clamping member of an adjacent body section, the end portions of said clamping members provided with ears to engage an adjacent body section or an end section.

1,541,486. FURNACE ROOF. BRADLEY DOBIE, Elmhurst, N. Y., assignor to American Arch Company, a Corporation of Delaware. Filed Apr. 23, 1923. Serial No. 633,906. 16 Claims. (Cl. 110—99.)



1. In a furnace of the character described, the combination with an upright drum and a surrounding furnace wall, of a furnace roof around said drum sealed therewith and with said wall, but supported independently of either.

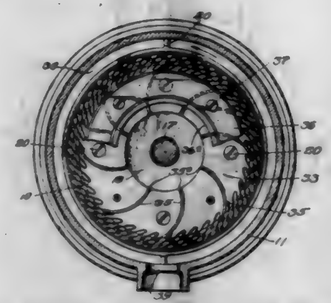
1,541,487. TOBACCO-STEMMING MACHINE. GEORGE F. ECKART, Mishawaka, Ind., assignor to Automatic Stemmer Company, Chicago, Ill., a Corporation of Delaware. Filed May 21, 1923. Serial No. 640,401. 5 Claims. (Cl. 131—57.)



1. A tobacco stripping machine comprising stripping members having notched edges, means for moving said members together with said notched edges in overlapping relation, a constantly rotating roller lying lengthwise of said members, a roller parallel to the first mentioned roller and normally held at a distance therefrom so that stems of tobacco leaves held between said members may be passed between said rollers, and means for moving said rollers together whereby the stems will be drawn through said members.

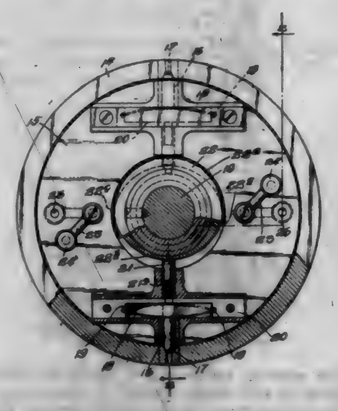
1,541,488. GRINDING BURR. BERNARD M. ELY, Marshall, Mich., assignor to Lambert Machine Company, Marshall, Mich., a Corporation of Michigan. Filed June 25, 1924. Serial No. 722,286. 10 Claims. (Cl. 83—8.)

4. A stationary burr and a runner burr, said burrs having on their peripheries interlocking concentric rows of teeth, the central portions of the faces of said burrs inside of said teeth being separated, and a plurality of



covered radial pockets on the runner burr having their outer ends lying adjacent the teeth and their inner ends open.

1,541,489. POWER-TRANSMITTING MECHANISM. BERNARD M. ELY, Marshall, Mich., assignor to Lambert Machine Company, Marshall, Mich., a Corporation of Michigan. Filed July 24, 1924. Serial No. 728,016. 7 Claims. (Cl. 64—30.)

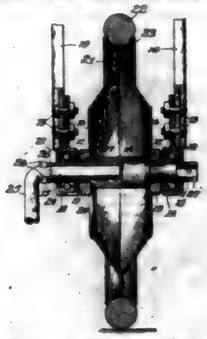


1. A device of the character described, comprising; a shaft; a loose disk mounted thereon; a tight disk on the shaft arranged adjacent the loose disk; a slidable driving pin carried by the tight disk, said pin adapted to be slid inwardly or outwardly; spring means for yieldingly holding said pin in its inner or outer position; a socket in the loose disk adapted to be engaged by the driving pin when in its outer position; and means for manually moving said pin from its inner to its outer position, said means including, a resetting pin adapted to move the driving pin and a rotatable collar surrounding the shaft having a cam surface adapted to engage the inner end of said resetting pin and force the same outwardly upon rotation of said collar.

1,541,490. PEDAL CAR. HOWARD J. FERRIS, Harvard, Ill., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill., a Corporation of Illinois. Filed Dec. 17, 1923. Serial No. 681,122. 4 Claims. (Cl. 280—96.)

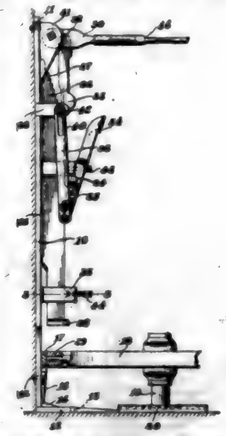
1. In toy wheel goods, a fork rotatably mounted for steering, bearings in the ends of said fork, a shaft jour-

nailed in said bearings, a wheel mounted on said shaft, axial holes in the ends of said shaft, cranks detachably



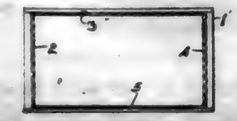
secured in said holes and means for transmitting power from said cranks to said shaft independently of the securing means.

1,541,491. TIRE REMOVER. FRANÇOIS ALFRED FORTIN, Pincher Creek, Alberta, Canada. Filed Nov. 6, 1924. Serial No. 748,172. 5 Claims. (Cl. 157—11.)



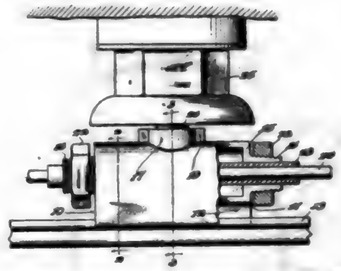
1. A tire remover comprising a supporting frame, a block carried by said frame adapted to support a wheel tire, a pressure-exerting felloes-engaged member slidably mounted in said frame, means for raising and maintaining raised or letting drop said member, and means for exerting pressure on the felloes through said member on the latter being lowered, and adjustable pivotal means for supporting the wheel.

1,541,492. METHOD OF PACKING FRESH FRUIT AND PAD THEREFOR. DARRELL JOSEPH GUENTHER, San Francisco, Calif., assignor to Schmidt Lithograph Company, San Francisco, Calif., a Corporation of California. Filed Aug. 19, 1924. Serial No. 732,948. 8 Claims. (Cl. 217—3.)



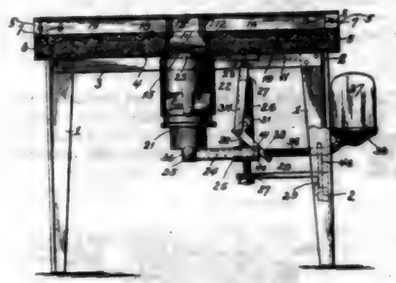
1. In a pad for packing fruit in boxes, a paper board, flat on one side and corrugated on the other side, the ridges of the corrugations having a material thereon to make them slide easily when packing box of fruit.

1,541,493. WIRE HANGER. ALBERT J. GUERNEY, Canton, Ohio, assignor to The American Mine Door Co., Canton, Ohio, a Corporation of Ohio. Filed June 14, 1924. Serial No. 720,073. 14 Claims. (Cl. 191—18.)



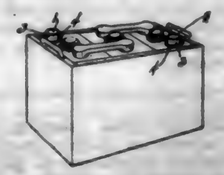
1. In a hanger of the character described, the combination of separate coacting jaws to engage a wire, one of the jaws being provided with means for mounting such jaw upon a support and the other of said jaws being formed for assembly with the former jaw after the former jaw is mounted, and means rotatably adjustable longitudinally of the jaws for drawing the jaws toward each other.

1,541,494. STOVE. OWEN L. HARRISON, Coleta, Ill. Filed May 7, 1924. Serial No. 711,670. 11 Claims. (Cl. 126—215.)



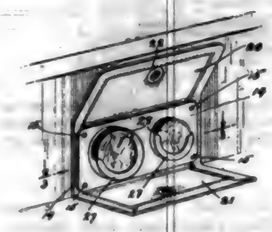
1. A stove comprising a pan containing a heat-resisting body, and a central heat-distributing chamber, a burner in said chamber, a top, heat-conducting elements on the under side of the top in communication with the burner, and dampers at the ends of the pan to cover or uncover the ends of the heat-conducting elements.

1,541,495. MEANS FOR PREVENTING CORROSION OF BATTERY POSTS AND TERMINALS CONNECTED THERETO. WILLIAM T. HASTING, Fort Worth, Tex. Filed Apr. 27, 1923. Serial No. 635,173. 2 Claims. (Cl. 136—135.)



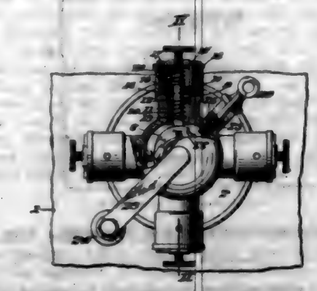
1. The combination with the posts of a battery and the terminal clamps, ferrules placed on the posts and bonded with the metal of the posts, and flanges on the lower edges of the ferrules to support the terminal clamps above and out of contact with the top of the battery box.

1,541,496. RECEPTACLE OR CONTAINER. LEOPOLD HAUSER, New York, N. Y., assignor to Hauser & Weil, New York, N. Y., a Copartnership composed of Leopold Hauser and Simon Weil, both of New York, N. Y. Filed June 9, 1924. Serial No. 718,686. 1 Claim. (Cl. 150—37.)



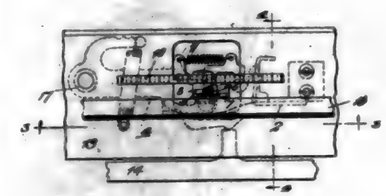
In combination a receptacle or container, a coin receiver attached thereto, said coin receiver comprising a perforated plate attached to the exterior of one wall of the receptacle or container, the perforation of said plate registering with a perforation in the wall of the container or receptacle, a cover for the receiver comprising a perforated strip clamped between the said plate and the perforated wall of the container with its perforation in register with the perforations in the container and receiver and carrying two flaps extending beyond the sides of said perforated plate, a coin supporting plate, a spring mounted in the perforation in the wall of the receptacle or container and adapted to resiliently support the coin-supporting plate, a stop formed on the perforated plate and co-operating with the coin-supporting plate whereby a coin may be clamped between the stop and the coin-supporting plate, the flaps of said cover being foldable into position to overlie the coin receiver.

1,541,497. SPARK TIMER. GUSTAVE L. HESS, New York, N. Y., assignor, by mesne assignments, to Ely Bernays, New York, N. Y. Filed June 22, 1921. Serial No. 479,532. 2 Claims. (Cl. 200—27.)



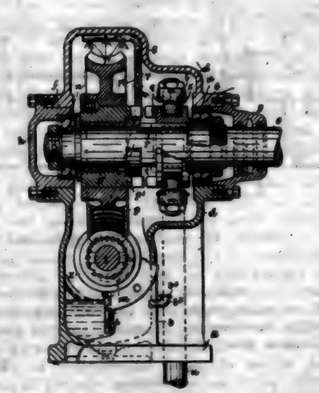
1. In a spark timer, a rotary cam, a rotatively adjustable housing, normally separated reciprocating radially alined outer and inner contact pieces carried thereby, and means for yieldingly holding both of the contact pieces at the limits of their inward movements with the inner contact piece spaced from the lower surface of the cam, said cam having a raised surface arranged to engage the inner contact piece and move it outwardly into contact with the outer contact piece.

1,541,498. TYPEWRITING MACHINE. FREDERIC W. HILLARD, Tottenville, N. Y. Filed June 29, 1923. Serial No. 648,500. 7 Claims. (Cl. 197—68.)



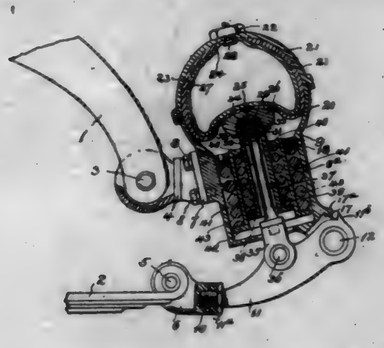
1. In a typewriter, the combination with the carriage and the main spring, of an escapement comprising a rack and a vibratory dog rocker, a normally engaged uninclined dog thereon and a normally disengaged dog on the rocker having its folding face, when engaged with the rack, inclined to the line of the rack feed, said rocker being pivoted on a rigidly fixed pivot positioned in close proximity to said line of feed and perpendicular thereto, whereby the force of the main spring acting on the inclined faced dog to disengage it from the rack, will be transmitted longitudinally through said rocker to said perpendicular pivot, substantially as described.

1,541,499. REDUCTION-GEAR UNIT. FLORENT HINNEKENS, Paterson, N. J. Filed July 10, 1923. Serial No. 650,630. 2 Claims. (Cl. 74—30.)



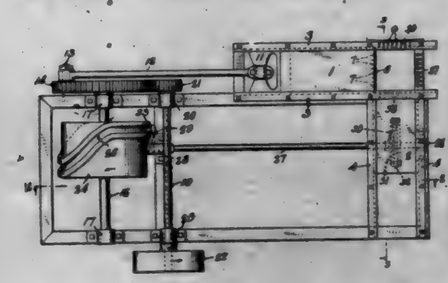
1. In combination, a substantially closed upright casing, a horizontal drive-shaft projecting into the casing and a horizontal driven shaft protruding from the casing at a right angle to and above the drive-shaft and both journaled in the casing, a worm fixed on the drive-shaft and a worm-wheel meshing therewith and revoluble on the driven shaft, means to disconnectively connect said worm-wheel and driven shaft including a clutch member beside the worm-wheel and slidable on the driven shaft, the casing being adapted to contain lubricant below the worm, and means to convey the lubricant up and deliver it onto working surfaces of the worm-wheel and first-named means in limited quantity.

1,541,500. SHOCK ABSORBER. JOSEF HOFMANN, Baumaroche, Switzerland, assignor to Alfred Jeal & Co., Zurich, Switzerland. Filed Sept. 13, 1920. Serial No. 409,938. 14 Claims. (Cl. 267—23.)



1. In a shock absorber, two levers pivoted together, an air cushion and a coil spring between them, the leverage or amplitude of movement at said cushion and spring is less than the ratio of one to one compared to the points of connection of said levers to the vehicle body and body spring.

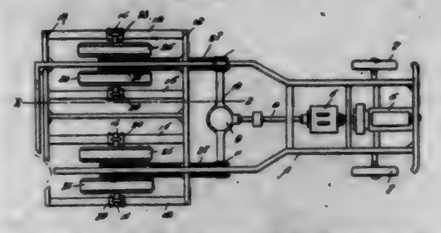
1,541,501. MACHINE FOR CUTTING VEGETABLES AND THE LIKE. ERNEST H. HOSTERMAN and WILLIAM DORN, Hartford, Wis. Filed Dec. 17, 1923. Serial No. 681,089. 9 Claims. (Cl. 146—76.)



1. In a machine for cutting vegetables and the like, the combination of two reciprocating plates guided and movable transversely to each other in parallel planes one above the other, the upper plate provided at one end with a cutting edge and adjacent and transversely thereto with downwardly extending parallel knives, and the lower plate provided adjacent one end with upwardly extending knives arranged transversely to the knives of the upper plate, and mechanism adapted to reciprocate the upper plate and to advance and withdraw the lower plate while the upper plate is over it in position to support the material to be cut.

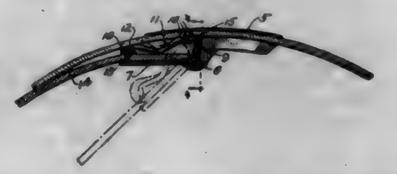
1,541,502. DRIVE FOR MOTOR TRUCKS. LESLIE HOWE, Kenton, Ohio. Filed Nov. 21, 1922. Serial No. 602,406. 2 Claims. (Cl. 180—22.)

1. A motor vehicle including a frame having parallel side frame bars, a pair of spaced transversely extending bars mounted on said side frame bars, said transverse bars extending beyond each side of the frame, a pair of supporting springs mounted at each side of the vehicle frame having the ends connected with the transverse bars and arranged in spaced relation at each side of the side frame bars, supporting axles mounted on each pair of supporting springs in the central portion thereof between the transverse bars, and pairs of traction wheels mounted on each supporting axle between the respective



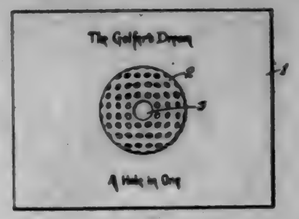
springs of each pair, said supporting springs having a pivotal connection with one of said transverse bars, and a swinging link connection with the other of said transverse bars.

1,541,503. BUCKLE. ERNEST N. HUMPHREY, New Britain, Conn. Filed July 2, 1924. Serial No. 723,664. 4 Claims. (Cl. 24—191.)



4. In a buckle, a front plate, a lever plate pivotally mounted thereon, and a belt gripping plate pivotally mounted on said lever plate and serving to hold the fixed end of a belt thereon, said lever plate contacting with the free end of said belt gripping plate for supporting the latter, said belt gripping plate at a point adjacent the point of contact with said lever plate serving to hold a belt in adjusted position.

1,541,504. ADVERTISING NOVELTY. THEODORE A. HUNTER, Washington, D. C. Filed Nov. 20, 1924. Serial No. 751,150. 3 Claims. (Cl. 40—126.)



1. A device symbolizing a golf ball with a hole in it.

1,541,505. PAPER-ROLL-HOLDER ATTACHMENT. FRANK M. HURLEY, Leipsic, Ohio. Filed Feb. 21, 1923. Serial No. 620,446. 1 Claim. (Cl. 211—32.)

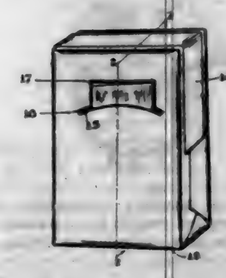
In a device of the class described, spaced upright bearing members having bearing seats formed in their opposed faces and opening through their upper ends, friction rolls mounted at their ends in the said seats one above the other, the upper roll being supported upon the lower roll whereby to frictionally engage and hold paper passed between the rolls, and a cutter comprising a plate secured upon the upper ends of the

bearing members and closing the upper ends of the seats formed in said members, and a rigid blade fixed to and extending downwardly and forwardly from the



front edge of said plate with its cutting edge disposed in advance of the rolls whereby a free space is provided below the cutter and between the same and the rolls.

1,541,506. TOBACCO PACKAGE. FREDERICK B. JACK, Montreal, Quebec, Canada. Filed May 4, 1923. Serial No. 636,701. 1 Claim. (Cl. 206—47.)



In a package of the class described, an inner sealed wrapper of tinfoil and an outer wrapper of paper completely enveloping the inner wrapper, said outer wrapper being provided with a curved slot giving access to a pouch formed between the outer and inner wrappers, the position of the slot being such that the depth of the pouch is less than the length of the package of cigarette paper so that when such a package is inserted in the pouch an end of the package will project outwardly through the slot, the remaining end of the package being supported on that portion of the outer wrapper which forms the lower closed end of the pouch.

1,541,507. METHOD OF WELDING CAST IRON. JUSTIN JEFFERY, Chico, Calif. Filed Dec. 26, 1922. Serial No. 609,137. 9 Claims. (Cl. 219—8.)

1. A process of electric arc welding with cast iron as the welding electrode of the arc, consisting in causing a coating of mild steel to be formed and maintained on such electrode as the electric current passes therethrough.

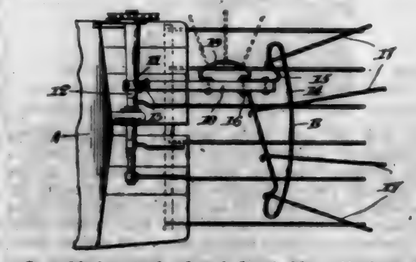
1,541,508. TIRE. HARRY B. JOHNSTON, Seattle, Wash. Filed Jan. 16, 1920, Serial No. 351,942. Renewed Nov. 8, 1924. 5 Claims. (Cl. 152—21.)

2. A single tube tire having a joint at its inner periphery and comprising thickened portions adjacent the rim, the thickened portions normally engaging the rim at the sides thereof, the thickened portions coming to-



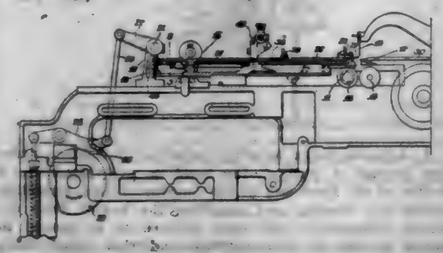
gether to form the joint and being normally out of contact with the rim at the joint when the tire is deflated.

1,541,509. GRAIN AND FLAX ATTACHMENT FOR BINDERS. WILLIAM JOHN KENNEDY, Rosetown, Saskatchewan, Canada. Filed Dec. 29, 1923. Serial No. 683,387. 1 Claim. (Cl. 56—474.)



In a binder, a sheaf and flax holder attachment comprising a main supporting member pivotally mounted on the binder, a band iron having orifices therein rigidly secured at each end on opposite sides of the supporting member and intermediately bent to extend transversely of the end of the supporting member to form a carrier, a plurality of tines extending through the orifices in the band iron, a second carrier on the supporting member and at right angles to the first mentioned carrier and comprising a band member having orifices therein secured at each end to the supporting member and intermediately looped, means for adjusting the supporting member, and means to secure the band irons to the supporting member.

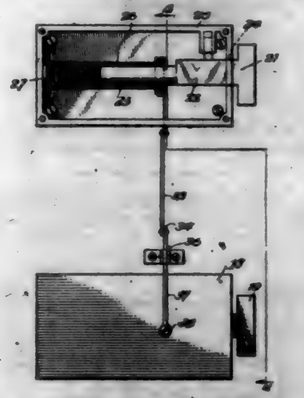
1,541,510. SHEET-FOLDING MACHINE. HOWARD K. KING, Philadelphia, Pa., assignor to Chambers Brothers Company, a Corporation of Pennsylvania. Filed Feb. 6, 1924. Serial No. 690,921. 19 Claims. (Cl. 270—75.)



1. In a sheet folding machine, the combination of means forming a slit, a folding blade for co-operating therewith, a plurality of longitudinally extending guide rods having ends normally terminating on each side of

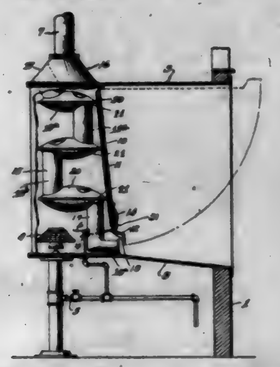
the slit to afford passage for the folding blade, and means for reciprocating certain of said rods to cause a periodic overlapping of said ends to facilitate the passage of the front edge of the sheet over the slit.

1,541,511. LOCK. EUGENE C. KINNEAR, Seattle, Wash., assignor to Anakin Lock Works, Chicago, Ill., a Corporation of Illinois. Filed May 7, 1920. Serial No. 379,454. 9 Claims. (Cl. 109—8.)



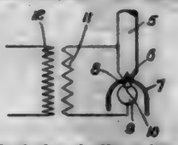
1. A lock for safe doors and the like, comprising in combination: a plurality of locking bars or bolts, a control member therefor and simultaneously moving them into and out of operative position, a normally operable setting mechanism for said control member, means projectable into locking contact with said control member to prevent movement thereof when said setting mechanism is disarranged, and pivoted locking means normally preventing said projectable means from being moved into contact with said control member.

1,541,512. GAS HEATER. ALBERT A. KNISELEY, Detroit, Mich. Filed Apr. 17, 1924. Serial No. 707,134. 5 Claims. (Cl. 126—90.)



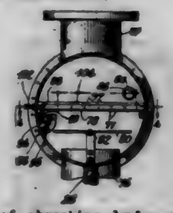
1. A heater for a building comprising a housing opening through a wall of the building to atmosphere, a heater at the inner end of the housing, a door extending across the housing and shielding the heater from external atmosphere, said door adapted to be opened to expose the heater to atmosphere and when closed being spaced from the bottom wall of the housing providing for an ingress of air to the heater, said heater including a burner and a series of chambers and pipe sections connecting the same providing a conduit, the conduit opening to atmosphere below the door edge and discharging to the space to be heated, and an exhaust conduit for the gases of combustion leading to the exterior of the building.

1,541,513. ELECTRIC RESISTANCE WELDING. WILLIAM A. KNOOP, East Newport, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 4, 1920. Serial No. 363,121. 10 Claims. (Cl. 219—10.)



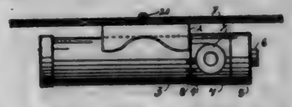
1. The method of electrically welding an element to a second element of lower resistance, which consists in pressing an electrode against the first mentioned element, pressing a second electrode against said second element in such manner that it contacts with a plurality of spaced surfaces on said second element, and passing a welding current through said electrodes.

1,541,514. PROCESS OF AND APPARATUS FOR RECOVERING GASOLINE OR OTHER HYDROCARBON LIQUIDS FROM NATURAL GAS. WILBUR G. LAIRD, New York, N. Y., assignor to Henry L. Doherty, New York, N. Y. Filed June 24, 1919. Serial No. 306,891. 6 Claims. (Cl. 183—114.6.)



1. A process of absorbing hydrocarbon vapors from natural gas comprising passing an absorbent liquid horizontally as a thin layer of foam and forcing natural gas through the layer of foam.

1,541,515. CASE FOR IDENTIFICATION PAPERS. WILLIAM H. LARAWAY, Grand Rapids, Mich. Filed Aug. 30, 1924. Serial No. 735,185. 2 Claims. (Cl. 256—1.5.)



1. In a case for storing and guarding identification papers in automobiles, an outer case having one end closed and the other end open, means for securely connecting said case to the implement board of an automo- a removable cap for covering the open end of the case, and a closed revoluble sleeve outside of the case near the open end thereof, a knob securely mounted in said outer sleeve and said inner sleeve, a slot in the inclosing case for the passage of the stem of the knob from the outer sleeve into the inner sleeve, T formed slots through the case and the inner sleeve near the open end of the case, a removable cap for covering the open end of the case, lugs formed to project inwardly at the rim of the cap and to interlock with the ends of the case and sleeve adjacent to the slots in the case and sleeve, a reel for storing the identification papers, and indexes on the outer sleeve and the case for identifying the locked position and the unlocked position of the said sleeve upon the case.

1,541,516. SHOE-POLISH BOX. STANLEY H. LINDGREN, Maywood, Ill., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 10, 1921, Serial No. 506,748. Renewed Oct. 17, 1924. 8 Claims. (Cl. 220—[illegible].)



1. A container, comprising a body part having a wall provided with a limiting ridge beneath the top thereof, a cover adapted to frictionally engage the upper part of said wall and provided with an outwardly turned flange having an apertured humped portion with apertures in the top thereof, and an opening device extending down through the apertures in said humped portion and having a cam action on said limiting ridge to open the container.

1,541,517. DISPLAY DEVICE. FRANK X. LIST, New York, N. Y., assignor to National Card Mounting Company, New York, N. Y., a Corporation of New York. Filed Aug. 22, 1924. Serial No. 733,484. 8 Claims. (Cl. 211—24.)



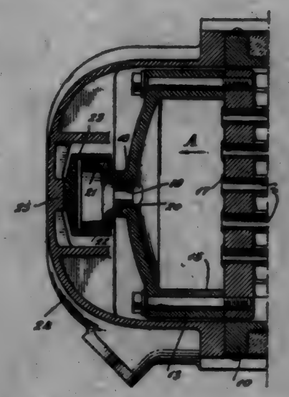
1. A display device comprising a collapsible structure consisting of front and side sections, each scored along parallel lines to provide hingedly connected parts movable from a position in a common plane to positions in angular relation to each other, and spaced parts of said side sections being hingedly connected at one of their ends to relatively opposite ends of the correspondingly spaced parts of said front section whereby said side sections may be folded inwardly upon one side of said front section when the structure is collapsed, in which position the connected parts of each section will lie in a plane again.

1,541,518. THUMB OR WING SCREW. PAUL H. MCCAIN, Chicago, Ill. Filed Feb. 16, 1925. Serial No. 9,478. 5 Claims. (Cl. 85—9.)



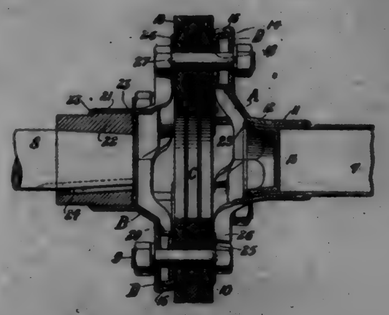
1. A new article of manufacture embodying a screw provided with an enlarged head having a kerf extending thereacross, a separate finger piece having depressions formed in the lateral faces of the finger piece adjacent one edge thereof, the portion of the finger piece having the depressions therein being disposed within the kerf of said head, portions of the head adjacent the said depressions being forced into the said depressions and into contact with the bottoms thereof.

1,541,519. FEED-WATER HEATER. NEAL T. MCKEE, Mount Vernon, N. Y., assignor to The Superheater Company, New York, N. Y., a Corporation of Delaware. Filed Oct. 2, 1923. Serial No. 666,231. 5 Claims. (Cl. 257—225.)



1. In a feed water heater having an outer steam casing, a main header and a floating header therein and a plurality of water tubes secured to and extending between said headers, said headers being provided with water chambers with which said tubes are in communication and means to transmit to said casing outward strains due to unbalanced water pressure within said floating header, whereby tension upon said tubes due to such unbalanced pressure is prevented.

1,541,520. FLEXIBLE JOINT. HARRY P. MACDONALD, Montclair, N. J., assignor to The Snead & Company Iron Works, a Corporation of New Jersey. Filed Dec. 16, 1919. Serial No. 345,292. 15 Claims. (Cl. 69—96.)

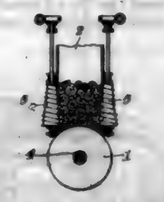


2. A spider member for torque transmitting joints for shafting comprising a sheet metal stamping having a hub portion adapted to receive the end of a shaft and provided with feet or securing members, the ends of the feet being cupped, and the remaining portions being channelled.

1,541,521. WOOD-GRINDING MEANS. GEORG NENZEL, Herischdorf, near Warmbrunn, Germany. Filed Aug. 25, 1924. Serial No. 734,036. 2 Claims. (Cl. 83—75.)

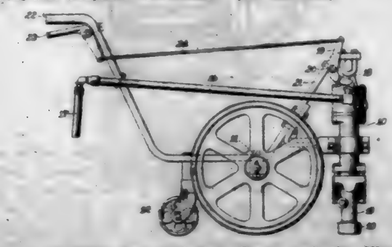
1. In a wood-grinding apparatus the combination with a rotating grinder of a wood container and a pair of

stationary rotating feeding screws partially projecting into the container at its front and back wall, said screws



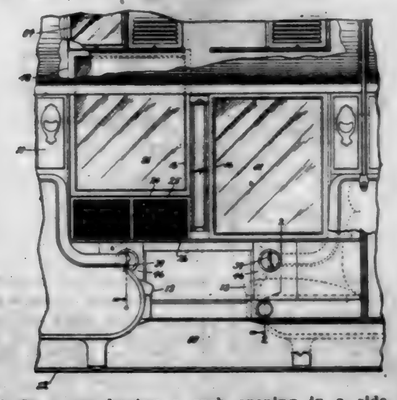
being inclined in opposite directions to grasp the column of wood during its movement toward the grinder, by the screw threads with gradually increasing incisions.

1,541,522. MACHINE FOR SURFACING CAR FLOORS AND THE LIKE. WILLIAM N. OEHM and GOMERT POWELL, Michigan City, Ind. Filed Oct. 31, 1921. Serial No. 511,849. 8 Claims. (Cl. 94—40.)



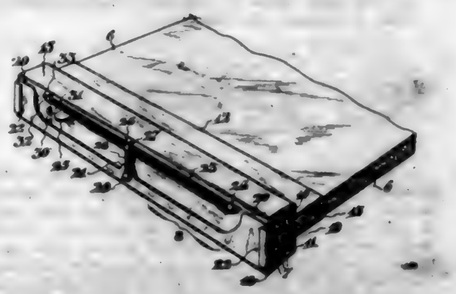
1. A machine for surfacing floors and the like, the combination of a carriage including a frame, longitudinal spaced wheels supporting the frame and one of them being swiveled to turn about a vertical axis, a pneumatic hammer mounted in fixed position on the frame forwardly of the wheels and carrying a set in position to operate on the floor to a level corresponding with the plane of the points supporting the wheels, an operating handle projecting rearwardly from frame, and means operable from the handle for controlling the hammer.

1,541,523. WINDOW ARRANGEMENT FOR RAILWAY CARS. PETER PARKE, Chicago, Ill., assignor to The Pullman Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 22, 1923. Serial No. 658,969. 11 Claims. (Cl. 20—52.1.)



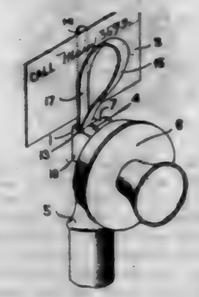
1. In a car having a sash opening in a side wall thereof, a sash for said opening, a frame beneath said window for supporting the same, means beneath said sash for engaging said frame for raising and lowering said frame, and a screen detachably mounted in said frame.

1,541,524. PAPER HOLDER OR CLIP. JOHN C. PATTERSON, Philadelphia, Pa. Filed May 31, 1923. Serial No. 642,446. 11 Claims. (Cl. 129—36.)



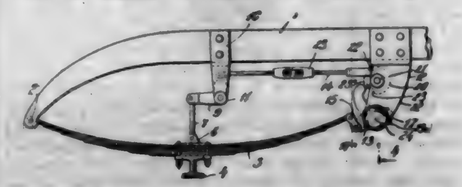
1. A holder or clip comprising a stationary jaw of substantially Z-section with one of the parallel legs extended to form a flange, a corresponding movable jaw, means preventing longitudinal displacement of said jaws, and an operating member adapted to latchingly retain the jaws in varied parallelism.

1,541,525. PAPER-HOLDING CLIP FOR TELEPHONES. WILLIAM H. S. PEARCE, Newton, Mass., assignor to Clement J. Robinson, Boston, Mass. Filed July 11, 1924. Serial No. 725,381. 3 Claims. (Cl. 40—10.5.)



3. A device of the class described comprising a U-shaped holding portion adapted to embrace the upper end of a telephone stand, the sides or cheeks of said holding portion being resilient and each having an opening to receive the rounded end of the pivot connection between the transmitter and the stand, and a paper-receiving portion comprising a relatively rigid arm rising from the holding portion, and a loop-shaped resilient member secured to the holding portion and yieldingly engaging said arm.

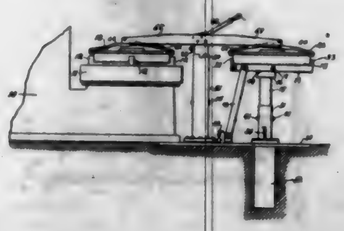
1,541,526. VEHICLE SUSPENSION. WINSLOW S. PIERCE, Jr., Bayville, N. Y. Filed Apr. 19, 1921. Serial No. 462,558. 3 Claims. (Cl. 267—19.)



1. The combination with a vehicle having a chassis frame and axle, of a suspension comprising a resilient member mounted on the axle and pivotally connected to the frame, the frame having on the resilient member a

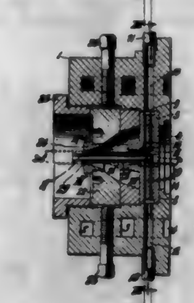
point of suspension movable with the axle relatively to the frame, and means connecting the point of suspension with a point on the resilient member which is constructed and arranged first to reduce the movement of the point of suspension through an arc centering at the pivotal point to less than its arc from the same center proportional to that through which the axle moves, and finally to reverse the movement of the point of suspension relatively to the axle.

1,541,527. HOISTING AND TRANSFERRING MECHANISM. GOMERT POWELL, Michigan City, Ind. Filed Sept. 8, 1924. Serial No. 736,416. 11 Claims. (Cl. 214—1.)



1. In combination, a machine table, a hoisting machine adapted to elevate work to be operated upon, means for tilting the work on said hoisting machine, and transferring mechanism for transferring said work from said hoisting machine to said table.

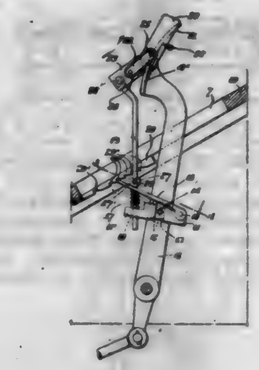
1,541,528. CORE BRIDGE FOR TUBING MACHINES. VERNON ROYLE, Paterson, N. J. Filed May 3, 1923. Serial No. 636,432. 25 Claims. (Cl. 207—5.)



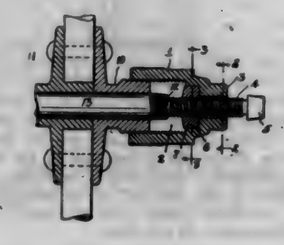
1. A device of the character described comprising, means for extruding the tubing, means for supplying a medium conveying a non-adhesive powder to said tubing, and means for exhausting any excess of said medium.

1,541,529. CLUTCH-PEDAL-CONTROL ATTACHMENT FOR AUTOMOBILES. RAYMOND D. SAYLOR, New Ringgold, Pa. Filed Aug. 30, 1922. Serial No. 585,137. 6 Claims. (Cl. 74—81.)

1. The combination with a clutch pedal, of a foot-rest connected therewith and having a rocking member at the heel thereof, a link pivotally connected with said rocking member, and pawl and ratchet mechanism having a member connected with said pedal, said link being connected with said member and operable to trip said mechanism.



1,541,530. WHEEL PULLER. FRANK J. SCHUMAN, Cleveland Heights, Ohio. Filed Jan. 9, 1923. Serial No. 611,562. 1 Claim. (Cl. 29—85.)

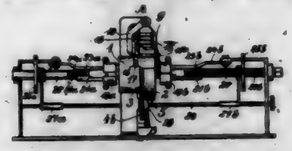


In a wheel puller, the combination of a circumferentially continuous tubular member provided with areas of polygonal shape adjacent its exterior central and outer portions for engagement by a wrench, and having a restricted axial opening adjacent one end, and a countersunk polygonal recess about the inner end of said restricted opening, an enlarged screw-threaded bore extending from the inner edge of said recess to the opposite end of said tubular member, said screw threads being adapted to engage the external threads of the hub of an automobile wheel, a screw having a polygonal head and adapted to have its lower end passed freely through the restricted opening in said tubular member and bear against the end of the wheel axle, and a nut engaged upon said screw and adapted to seat within said polygonal recess to supply a bearing for said screw when it is rotated to force its lower end against said axle.

1,541,531. TYING-UP OR BUNDLING MACHINE. FRITZ SEDLMAYR, Munich, Germany. Filed Jan. 17, 1925. Serial No. 3,093. 8 Claims. (Cl. 17—34.)

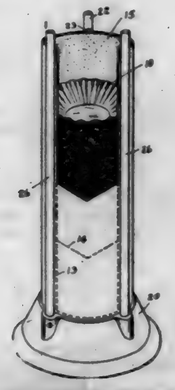
1. In apparatus for the purpose set forth the combination of a hollow cylinder having a longitudinal slot, a ring embracing said cylinder and having a gap, means for rotating said ring a reel holder on said ring, a loop-

ing lever, means for rocking said looping lever, whereby said lever is moved into and out of said gap when said



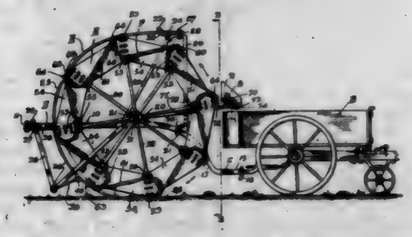
gap is over the cylinder slot, a lever having a hook, and means for vibrating said hooked lever whereby said hook is moved across the path of said looping lever.

1,541,532. PACKAGE AND DISPENSING DEVICE FOR PAPER DISHES. PAUL R. SIMMONS, Indianapolis, Ind., assignor to Peerless Paper Products Company, Indianapolis, Ind., a Corporation. Filed Jan. 11, 1924. Serial No. 685,600. 6 Claims. (Cl. 206—56.)



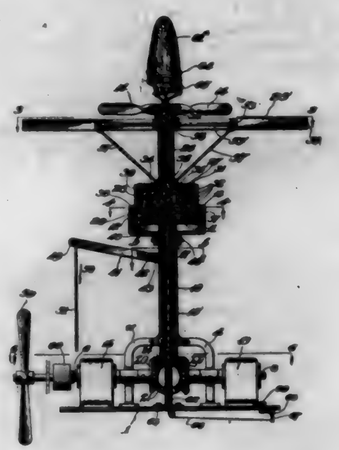
1. A container for paper dishes and the like, including a tube formed of paper board and the like with a vertical series of sections in one side of the wall thereof made independently removable by score lines for making an opening in the side wall of the container for the removal of the paper dishes from the top of the stack thereof, substantially as set forth.

1,541,533. STONE AND ROCK PICKING MECHANISM. EDWARD SMITH, Weyerhauser, Wis. Filed Sept. 9, 1921. Serial No. 499,515. 6 Claims. (Cl. 55—17.)



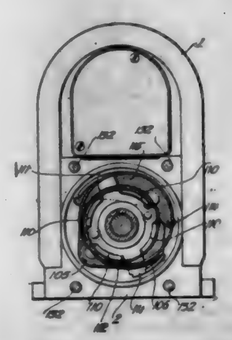
1. A machine for gathering stone comprising a frame, a plurality of arcuate tines carried by the frame and arranged to engage the ground, a rotatable wheel carried by the frame, and a plurality of hook shaped teeth carried by the wheel arranged to engage the ground to cause the wheel structure to rotate when the machine is pulled across the field, each of said teeth having a ground engaging bill and a shank, the shank being secured to the free end portion of the bill of an adjacent tooth and serving to brace the bill.

1,541,534. SAFETY-CONTROL HELICOPTER. FRANK P. SOUDEN, Bridgeton, N. J. Filed Jan. 21, 1925. Serial No. 3,734. 6 Claims. (Cl. 244—19.)



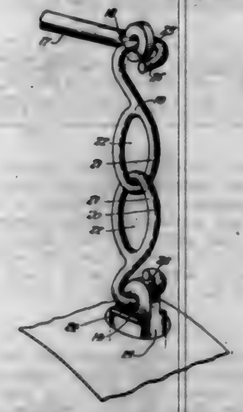
1. In a device of the character stated, a base, a motor carried by said base, a plurality of upright concentric shafts, one of which is driven by said motor, lifting propellers positioned on the upper ends of said shafts, a housing enclosing said shafts, a clutch housing rotatably mounted on said shaft housing, an inner clutch member, gearing and clutch discs contained in said clutch housing, and means for actuating said clutch discs for controlling the relative speed of rotation of said propellers.

1,541,535. MAGNETO. JOHN ROY STARK, Racine, Wis., assignor to Webster Electric Company, Racine, Wis., a Corporation of Wisconsin. Filed Nov. 19, 1921. Serial No. 516,270. 7 Claims. (Cl. 123—149.)



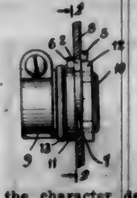
1. In a magneto, a driving shaft, a disc fixed thereto, laterally extending flanges on said disc, a spring positioned about said flanges, a driven shaft, a plate fixed thereto adjacent and substantially parallel to said disc, and a laterally extending finger carried by said plate arranged to overlie said flanges, one end of said spring being attached to one of said flanges, and the other end to said finger.

1,541,536. UNCOUPLING DEVICE. JOHN E. TRESTMAN, Chicago, Ill., assignor to Reliable Railway Equipment Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 1, 1922. Serial No. 548,600. 8 Claims. (Cl. 213—106.)



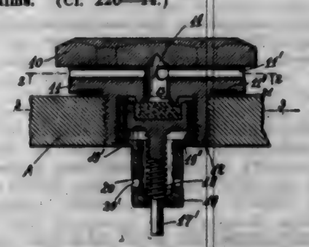
1. An uncoupling device comprising two members formed of bent rods of like shape and size, each rod having one end bent to provide an open scroll-like hook and having the other end bent to form a closed elongated loop, the elongated loops of the two members being loosely linked with each other.

1,541,537. ADAPTER FOR CONNECTING DEVICES. GEORGE C. THOMAS, Jr., Elizabeth, N. J., assignor to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed May 4, 1921. Serial No. 466,782. 4 Claims. (Cl. 247—25.)



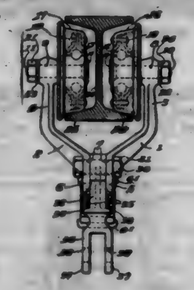
1. A device of the character described consisting of a substantially rigid, flat crescent-shaped body portion and a plurality of projections extending outwardly beyond its exterior periphery, two of said projections being offset axially in opposite directions to provide a space axially therebetween.

1,541,538. VALVED VENT. HARRY E. TUNNELL, New York, N. Y., assignor to Fire Gun Manufacturing Company, Inc., New York, N. Y., a Corporation of New York. Filed June 2, 1920. Serial No. 386,119. 8 Claims. (Cl. 220—44.)



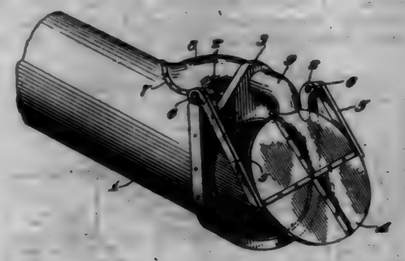
1. A device of the character described, comprising a body having a passage formed with an enlargement or chamber of circular cross section, and also having an annular valve seat projecting into said chamber and spaced from the surrounding wall of the chamber, a housing, having a portion of larger diameter than said valve seat, fitted removably into said chamber, a valve carrier having a head, likewise of larger diameter than the valve seat, guided within and by said housing and fitted with a valve to engage the said seat, said carrier also having a stem guided by the housing at a distance from the head, and a spring coiled around said stem within the housing and tending to seat the valve, said spring being of smaller diameter than the valve seat.

1,541,539. TROLLEY FOR CHAIN CONVEYERS. JERVIS B. WEBB, Detroit, Mich. Filed Sept. 23, 1924. Serial No. 739,258. 5 Claims. (Cl. 105—154.)



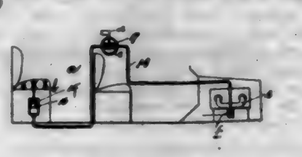
1. A trolley for supporting a chain conveyer, comprising oppositely disposed brackets having wheels secured upon the inner sides thereof which wheels are adapted to rest upon the opposite side portions of a trolley support, a device adapted to extend between the opposite sides of a link of a chain, and means for securing the lower ends of the said brackets to the upper end portion of the said device to effect retention of the latter in interlocked relation with the link.

1,541,540. ANTIFOULING TRAP VALVE. HARRY E. WEIR, Wildwood, N. J. Filed July 30, 1924. Serial No. 729,020. 3 Claims. (Cl. 182—26.)



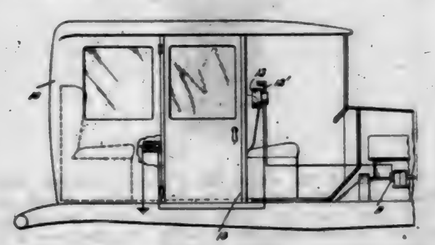
1. In apparatus of the character stated a storm water or sewage conduit, the discharge end of which has fitted thereover and fixed thereto a support, a flap valve pivoted to said support and normally maintained in open position by sewage discharge, and a by-pass connection in communication with said conduit and extended upwardly and forwardly upon a curved line from the top of said conduit and beyond the conduit discharge end the discharge mouth of said by-pass connection being arranged in a plane above the top of said conduit and being further arranged to deflect storm water or sewage downwardly in advance of said flap valve in its closed position.

1,541,541. ATTACHMENT FOR TAXIMETER VEHICLES. ABRAHAM WEISS, New York, N. Y. Filed June 25, 1923. Serial No. 647,432. 2 Claims. (Cl. 180—82.)



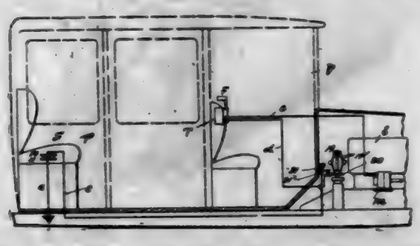
1. In a motor vehicle having a flag controlled taximeter, the combination with the feeding mechanism of the motor, of pneumatic means automatically operated by the occupant of the passenger compartment and adapted to control said feed and a flag operated valve for controlling said pneumatic means.

1,541,542. ATTACHMENT FOR MOTOR VEHICLES. ABRAHAM WEISS, New York, N. Y. Filed Nov. 9, 1923. Serial No. 673,795. 2 Claims. (Cl. 180—82.)



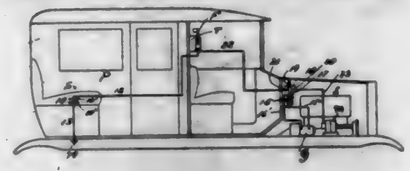
2. In a motor vehicle having a "flag" controlled fare register, a door and an electrically controlled gas ignition system, of a switch controlled through said door, a switch controlled through said "flag" and electric connection between said switches and the ignition system, such that when the door is open, while the "flag" is in "vacant" position, the ignition system will be ineffective.

1,541,543. ATTACHMENT FOR MOTOR VEHICLES. ABRAHAM WEISS, New York, N. Y. Filed May 27, 1924. Serial No. 716,094. 3 Claims. (Cl. 180—82.)



1. In a motor vehicle having a fare register and an electric motor controlling system, a switch controlled by the occupant of the passenger compartment, a switch controlled by the setting of said register, a speed controlled governor and a switch controlled by said governor, said switches being included in the circuit of the motor controlling system, such that when the passenger compartment of the vehicle is occupied, while the register is not set for occupancy, the motor of the vehicle will be affected on reaching a speed limited by the closure of the governor controlled switch.

1,541,544. TAXIMETER VEHICLE. ABRAHAM WEISS, New York, N. Y. Filed July 28, 1924. Serial No. 728,695. 11 Claims. (Cl. 180—82.)

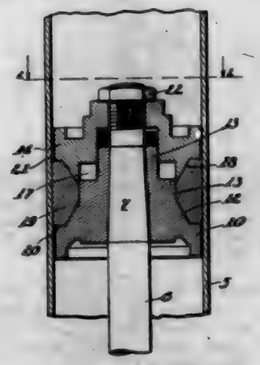


1. In a motor vehicle having a manually controlled fare register, the combination with the motor controlling means, of a passenger controlled means, a register controlled means and means intervening between said first named means and said other two means, such that when the vehicle is occupied and the register is not set for occupancy, said intervening means will affect the motor when the latter attains a certain speed.

1,541,545. CATALYTIC OXIDATION OF SECONDARY ALCOHOLS. ALFRED A. WELLS, Montclair, N. J., assignor, by mesne assignments, to Seth B. Hunt, trustee, Mount Kisco, N. Y. Filed May 18, 1918. Serial No. 235,249. 2 Claims. (Cl. 260—116.)

1. The process of forming oxidized products from secondary alcohols corresponding to the olefins of petroleum when in admixture with hydrocarbons, which comprises passing the vapors of the admixed alcohols and hydrocarbons together with air over a heated catalyzer comprising copper.

1,541,546. PISTON-PACKING-EXPANDING DEVICE. WILSON B. WIGLE, Long Beach, Calif., assignor to Mary R. Wigle, Los Angeles, Calif. Filed July 11, 1923. Serial No. 650,832. 1 Claim. (Cl. 74—109.)



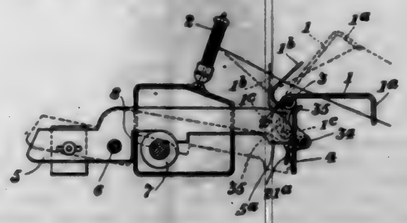
In a piston construction, the combination of a piston rod having a cylindrical threaded upper end and a tapered portion therebelow, a cylindrical piston body having a centrally disposed tapered bore extending therethrough mounted on the tapered portion of the piston rod, said body being provided above its cylindrical portion with a conical surface and a cylindrical portion extending upwardly therefrom, an externally threaded centrally disposed hollow stud formed integrally with the upper end of said piston body, a cylindrical piston follower having a centrally disposed bore and a circular threaded recess therebelow, said recesses engaging the threaded stud of the piston body, the lower portion of said follower being provided with an inverted conical surface, the conical surfaces of the piston body and follower forming the walls of a packing recess, an expansible packing mounted in said recess, said follower being further provided with a cylindrical recess disposed below the threaded circular recesses formed therein and telescopically engaging the upper cylindrical portion of the piston body, and means to lock said follower in position after an expansion of the packing.

1,541,547. TRANSFER OF KNITTED FABRICS. LOUIS N. D. WILLIAMS, Ogonts, Pa. Filed Feb. 23, 1923. Serial No. 620,588. 15 Claims. (Cl. 66—32.)



1. The method of transferring knitted fabrics which consists in impaling the fabric stitches upon the needles of a knitting machine, and then shifting the stitches and needles relatively to insure engagement of the stitches within the needle hooks.

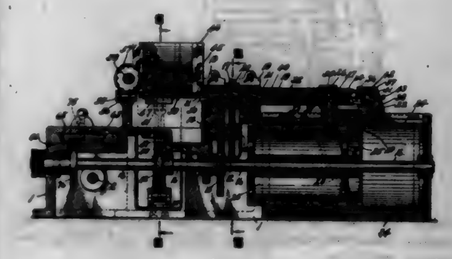
1,541,548. STOP MOTION. THOMAS WILSON and ARCHIBALD WILSON, Doagh, Ireland. Filed May 19, 1923. Serial No. 640,000. 14 Claims. (Cl. 117—28.)



1. A stop motion for machines used in treating threads or yarns, comprising a control spindle adapted to be driven from the machine and movable axially to disconnect the machine from its driving source, and means for effecting axial movement of the control spindle automatically on occasions when stoppage of the machine is desirable.

1,541,549. AUTOMATIC DRILL-MILLING MACHINE. CHARLES P. WINEMAN and WILLIAM G. CALKINS, Detroit, Mich., assignors to Detroit Twist Drill Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 29, 1922. Serial No. 547,658. 6 Claims. (Cl. 90—13.9.)

1. In a machine for fluting drill blanks, the combination with a hopper for holding drill blanks, a milling cutter, a chuck to receive and hold a drill blank, means for rotating and moving said chuck to feed the blank held thereby longitudinally across to the cutter and to operate the chuck to open and close the same, feeding means operated in timed relation to the reciprocation and rotation of the chuck, to feed blanks, one at a

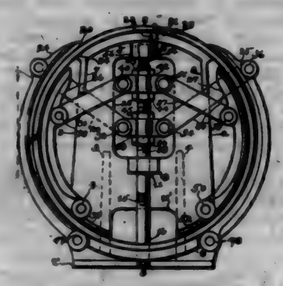


time, from said hopper laterally into the path of reciprocating movement of said chuck, and means for moving the milling cutter in timed relation to the movement of said chuck in feeding blanks to the cutter, to regulate the depth of flute cut by the cutter.

1,541,550. METHOD OF CAPPING BOTTLES. JOHN WYSOCKI, Brooklyn, Md., assignor to U. S. Industrial Alcohol Co., a Corporation of West Virginia. Filed Dec. 29, 1921. Serial No. 525,809. 2 Claims. (Cl. 226—80.)

2. The method of capping a bottle comprising applying thereto a solution having a viscosity enabling it to spread uniformly over the surface, this solution containing the following ingredients in the following approximate relative proportions: Ether, 500 c. c.; alcohol, 500 c. c.; castor oil, 50 c. c.; aluminum powder, 30 grams; nitrocellulose, 100 grams.

1,541,551. DRUM-FORMING MACHINE. FRIDOLF F. BACKSTROM, Chicago, Ill. Filed Sept. 15, 1923. Serial No. 662,994. 6 Claims. (Cl. 144—258.)

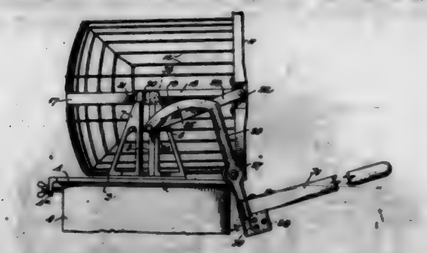


1. A drum-forming machine of substantially annular form, which form consists of a series of clamp-members movable toward and from each other, and a pair of diametrically arranged immovable anvils on inner and outer faces respectively, and means for moving said clamps simultaneously.

1,541,552. CLOTHES-BOILER ATTACHMENT. GEORGE W. BLAKE, Wyandotte, Mich. Filed Jan. 21, 1924. Serial No. 687,459. 10 Claims. (Cl. 68—30.)

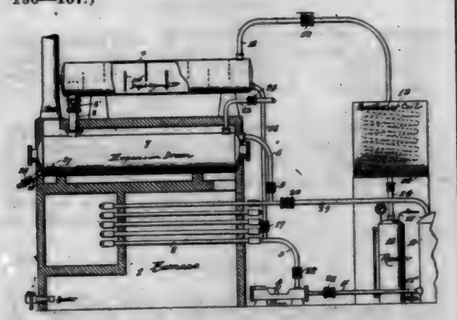
4. The combination with a wash boiler, of a frame, attached thereto, a tiltable clothes container suspended

from said frame and adapted to be elevated and tilted in a plane above the wash boiler, and a leverage mech-



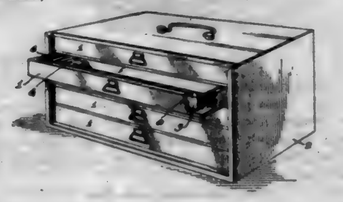
anism attached to said frame and connected to said clothes container adapted for elevating and tilting said clothes container.

1,541,553. APPARATUS FOR TREATING OIL. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Mar. 23, 1921. Serial No. 454,848. 2 Claims. (Cl. 196—107.)



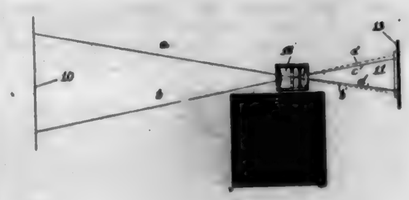
2. In an apparatus for cracking oil, the combination with a heating coil disposed within a furnace, of an expansion chamber in communication with said coil receiving heated oil therefrom, a receptacle adapted to contain a supply of cool oil and valve control connections between said coil and said expansion chamber and receptacle whereby the passage of oil to the expansion chamber may be discontinued and a local circulation of oil through the coil and receptacle effected to cool the heating coil.

1,541,554. SCORE CARD AND TRAY TURNER FOR TILE GAME SETS. GORDON D. EVERITT, Detroit, Mich. Filed Dec. 3, 1924. Serial No. 753,584. 5 Claims. (Cl. 273—148.)



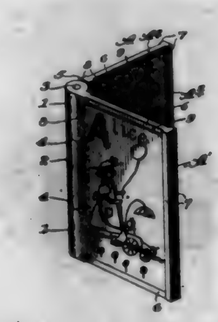
1. A reference card for use with tile game trays, comprising a card adapted to receive writing, said card being of a size approximating the tray with which it is to be used, and provided with a projecting handle at one edge thereof.

1,541,555. MAKING PHOTOGRAPHS FOR MAPPING AND OTHER PURPOSES. SHERMAN M. FAIRCHILD, Oneonta, N. Y., and HERBERT E. IVES, Montclair, N. J., assignors to Fairchild Aerial Camera Corporation, New York, N. Y., a Corporation of New York. Filed July 15, 1921. Serial No. 484,872. 5 Claims. (Cl. 95—5.)



1. In the art of making photographic negatives on films or other sensitive surfaces, for mapping or other purposes, the improvement comprising projecting upon the plate or film the image which is to be recorded, through a reference pattern composed of lines, whereby an image of the reference pattern and the image of the ground or other object to be photographed are both recorded on the same film and are subjected to the same distortion due to shrinkage of the film in subsequent treatment thereof to produce a negative.

1,541,556. TOY BUILDING BLOCK. CHARLES DOUGLAS FISHER, New Rochelle, N. Y., assignor to The Toy Krofters, Inc., Beacon, N. Y., a Corporation of New York. Continuation of application Serial No. 562,662, filed May 22, 1922. This application filed Apr. 6, 1923. Serial No. 630,273. 9 Claims. (Cl. 76—35.)

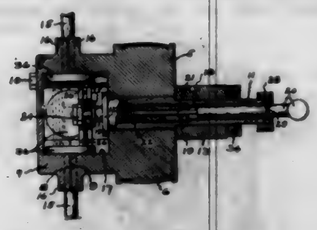


1. A toy book adapted to serve as a building block and comprising two substantially flat, thick stiff leaves having complemental offset barrel-portions connected by a pivot, said barrel-portions forming the back of the toy book, said leaves having printed matter thereon and said parts being constructed, combined and arranged to serve as a building-block.

1,541,557. WEATHER FAN. IRA L. FULLER, Greenfield, Ind. Filed July 26, 1924. Serial No. 728,288. 2 Claims. (Cl. 170—163.)

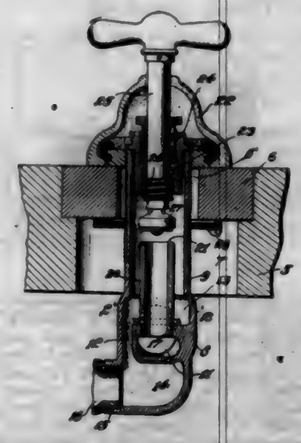
2. In a variable pitch fan, a tubular shaft; a hub rotatably retained on the shaft, and defining a chamber within; a plurality of spindles rotatably mounted in said hub and entering said chamber; a head on each of said

spindles within the chamber; a fan blade mounted on each of said spindles without the chamber; a bolt carried within said tubular shaft, screw-threadedly engaging



therewith, and projecting into said chamber; pivot means secured to said bolt within said chamber, said pivot means engaging each of said spindle heads; and means to turn said bolt.

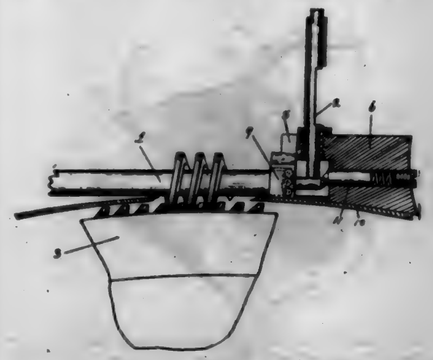
1,541,558. VALVE. SAMUEL GADE, New York, N. Y. Filed Apr. 17, 1922. Serial No. 554,220. 3 Claims. (Cl. 251—155.)



1. A valve body provided with a tubular extension at one side thereof, said valve body being integrally formed with fluid inlet and outlet chambers each of which is bisected by a plane passing through the axial line of said tubular extension, said valve body being further formed at one side thereof with a passage affording communication between said chambers, one wall of said inlet chamber having an opening communicating with said passage, and valve seat members of relatively different lengths adapted to be engaged in said opening for co-operation with valves carried by different length valve spindles and adapted to be mounted in said tubular extension.

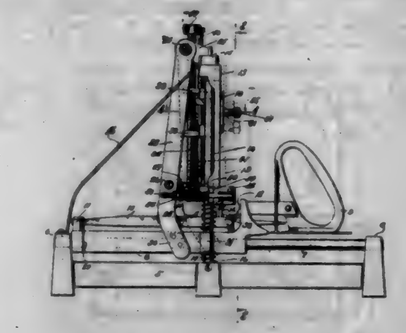
1,541,559. STARTER FOR GAS ENGINES. HARRY WILLIAM GAULD, Brandon, Manitoba, Canada. Filed Oct. 13, 1921. Serial No. 507,521. 4 Claims. (Cl. 74—7.)

1. In a gas engine starter, the combination with a toothed driven member associated with the engine, of a toothed driving member engageable with the teeth of the driven member, a motor driving the drive member, the said motor being pivoted to permit of the swinging of the drive member towards and away from the driven member, the teeth of said members being designed to swing the drive member away from and out of engagement with the driven member upon the driven member



becoming a drive member, means for manually engaging the said members, and means for releasably locking the members in and out of engagement.

1,541,560. TOOL-SHARPENING DEVICE. ARTHUR F. GRISINGER, Milwaukee, Wis., assignor to Albert J. Holzbauer, Milwaukee, Wis. Filed Feb. 9, 1922. Serial No. 535,248. 15 Claims. (Cl. 76—35.)

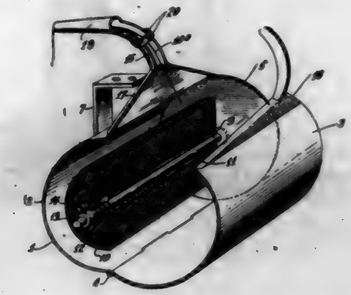


1. A machine of the class described, comprising a support for a cutter to be sharpened, a support mounting a sharpening member, means reciprocally mounting one of said supports for movement on the same plane during each stroke, and means operable to engage the cutter carried by the first named support with the sharpening member carried by the other support only upon movement of the reciprocally mounted support in one direction.

1,541,561. ZINC-OXIDE-RECOVERY PROCESS AND BY-PRODUCTS THEREOF. OSCAR GERLACH, La Salle, Ill. Filed Dec. 4, 1920. Serial No. 428,207. 1 Claim. (Cl. 23—148.)

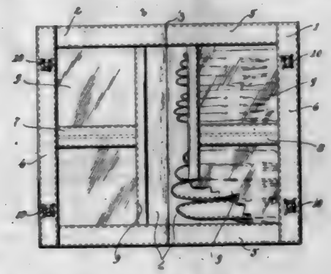
The process for making cement and recovering zinc from silicious material containing zinc, the proportion of silica to the bases present being higher than that required for making cement, which consists in heating the material in the presence of oxygen, carbon and sufficient lime to form a clinker having a fusion point above the vaporization point of zinc, to a temperature at which the clinker sinters, collecting the zinc oxide fumes formed, cooling the clinker and grinding it.

1,541,562. BOBBIN-THREAD-SUPPLY HOLDER AND GUIDE. MAX GILBERT, Bronx, and THOMAS GUIDA and SOLOMON KATZ, Brooklyn, N. Y. Filed May 1, 1924. Serial No. 710,238. 6 Claims. (Cl. 242—146.)



1. A device of the character described embodying a casing divided longitudinally into two lateral sections hinged together, an axle associated with the casing and adapted to support the roll or tubes of thread within the casing, a tubular outlet duct forming a passage for the thread and extending into proximity with a bobbin of the machine with which the device is adapted to be associated, said duct being parted into two sections which are respectively supported on the two hinged sections of the casing, and means for maintaining the sections of the casing and outlet duct normally in closed relation.

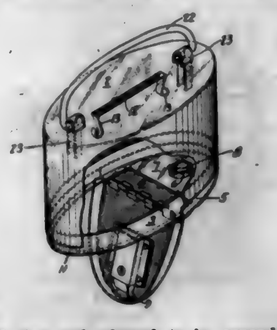
1,541,563. CASE FOR GLOVES AND THE LIKE. CHARLOTTE GRAHAM, New York, N. Y. Filed Feb. 11, 1921. Serial No. 444,078. 1 Claim. (Cl. 150—34.)



A folding case of the character described, comprising a single body piece of flexible material having ends and side edge portions turned in to form borders, fastenings located upon the said turned-in edges of the ends of the body piece whereby the same is held in its folded condition, sheets of transparent material passing under and being secured to the said turned-in edges of the said body piece at the ends and for a distance at the sides thereof, transverse pieces covering the edges of the said transparent sheets adjacent to the fold of the said body piece and upon opposite sides of the line of fold thereof, and intermediately disposed pieces attached to the said transparent sheets and to the said body piece whereby a plurality of pockets are formed opening upon opposite sides of the fold of the said body piece.

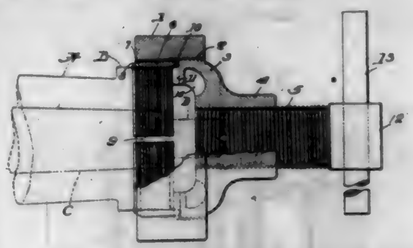
1,541,564. SAVINGS BANK. BUTLER F. GREER, San Francisco, Calif. Filed Mar. 19, 1923. Serial No. 626,000. 3 Claims. (Cl. 232—4.)

1. A savings bank comprising a shell open at one end, a webbed bushing ring secured within the open end of said shell and projecting beyond the edge thereof, a cover plate formed with a flange enclosing said projecting ring and having an flange projecting thru the



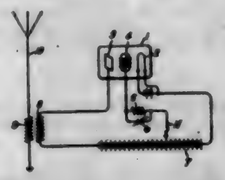
web of said ring and adapted to be expanded on the opposite side thereof to secure the cover plate and ring together.

1,541,565. WHEEL PULLER. ROBERT B. HAINSWORTH, Maywood, Ill. Filed June 26, 1922. Serial No. 570,774. 7 Claims. (Cl. 29—85.)



1. A wheel puller comprising a compressible internally threaded member to fit upon a threaded wheel hub; a shell enclosing said member and having a threaded head with a jack screw centered therein to engage the end of an axle in the wheel hub, said compressible member having an externally tapered part, and the shell having an internally tapered part to cooperate therewith for compressing the threaded member upon application of longitudinal pressure by the jack screw, said shell and its head being separable to permit removal of the compressible member therefrom.

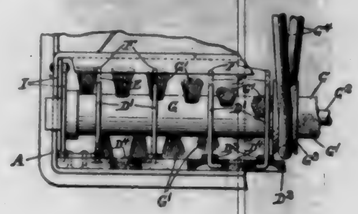
1,541,566. SYSTEM FOR PRODUCING OSCILLATIONS. ALBERT W. HULL, Schenectady, New York, assignor to General Electric Company, a Corporation of New York. Filed May 18, 1921. Serial No. 470,728. 9 Claims. (Cl. 250—36.)



5. The method of operating a generating system comprising an electron discharge device having an electron emitting cathode, an anode and a grid and plate and grid circuits circuits associated therewith which consists in producing an emission of secondary electrons from said

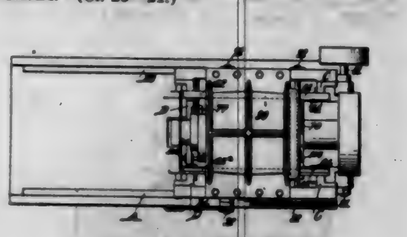
grid sufficient to produce a negative resistance characteristic in said grid circuit over a range of positive grid potential, producing oscillations in said grid circuit independently of any coupling between the circuits and supplying oscillations from the plate circuit to a work circuit.

1,541,567. ELECTRIC SUCTION CLEANER. HOWARD EARL HOOVER, Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Feb. 24, 1921. Serial No. 447,589. 12 Claims. (Cl. 15—157.)



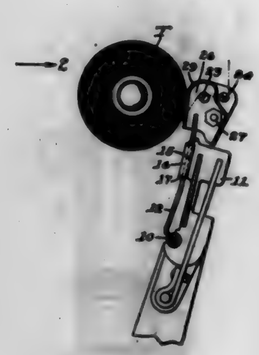
3. A brush guard for suction cleaner nozzles comprising a plurality of U-shaped fingers each separately mounted in the hood.

1,541,568. SEMIAUTOMATIC PLATE-FINISHING MACHINE. CHARLES E. HOPKINS, Plainfield, N. J.; The Plainfield Trust Company administrator of said Charles E. Hopkins, deceased. Original application filed Dec. 11, 1916, Serial No. 136,191. Divided and this application filed Sept. 26, 1922. Serial No. 590,607. 10 Claims. (Cl. 29—21.)



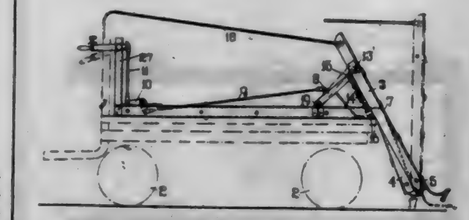
8. In a stereotype plate finishing apparatus, the combination with an arch and a finishing tool shaft concentric therewith, of a driving shaft, a clutch for connecting the driving shaft to rotate the finishing tool shaft, a spring for normally closing the clutch, said clutch having a circumferential channel, a rock arm having a roll engaging in said channel, a cam rotatable with the finishing tool shaft and adapted to swing the rock arm back so as to hold the clutch out when the machine is stopped, a pair of guides under the arch for the straight edges of the plate, one of said guides being movable, a pair of parallel rock shafts having parallel arms connected with the movable guide for lifting it and clamping the plate in the arch, and means whereby when said rock shafts are turned to clamp the plate the rock arm will be freed from the cam and the clutch will be allowed to close, a bar connecting the parallel arms on which the movable guide rests, a slide rod carried by said bar at one end and supported at the other end by the rock arm and having a projection on the end for engaging the cam and operating the rock arm.

1,541,569. YARN GUIDE FOR WINDING MACHINES. LEWIS T. HOUGHTON, Worcester, Mass. Filed Nov. 6, 1924. Serial No. 748,278. 8 Claims. (Cl. 242—157.)



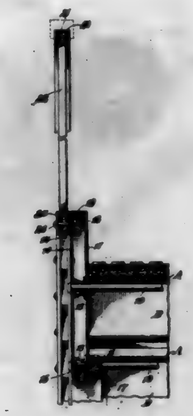
1. The combination with a traverse frame and a guide holder movable along the frame, of a sheet metal bearing plate carried by the holder near the top at a point to engage the frame to receive the wear of the holder against the frame, said plate having integral side flanges detachably holding it on said holder.

1,541,570. TRUCK FOR TRANSPORTING GOODS. HAROLD WALTON HOWE, Liverpool, England. Filed Mar. 26, 1924. Serial No. 702,100. 7 Claims. (Cl. 214—65.)



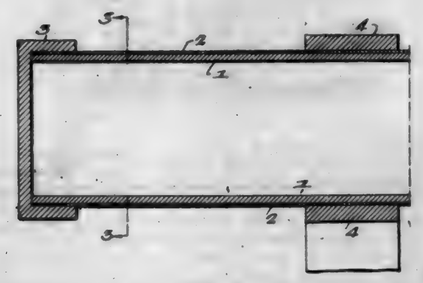
1. In a loading truck the combination of a load supporting platform, frame members detachably connected to said platform and depending to a point immediately adjacent the ground, an auxiliary platform comprising a loading base and a supporting member extending at right angles to said base, a pivotal support for said auxiliary platform mounted at the lowest point of said depending portion of said frame member and means for attaching said auxiliary platform to said pivotal support located at a point on the auxiliary platform substantially adjacent the connection of said base and said supporting member, whereby said auxiliary platform may tilt from load carrying position in close proximity to the ground into a position in substantial alignment with the ground.

1,541,571. PRESSED-STEEL STRINGER. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed April 24, 1922. Serial No. 556,191. 10 Claims. (Cl. 189—43.)



1. A stringer formed of a pair of members, each member having angular flanges at its upper and lower edges, the members being fitted together with the flanges placed one upon the other so that a hollow box-like structure is formed which is closed at the top and bottom by said flanges.

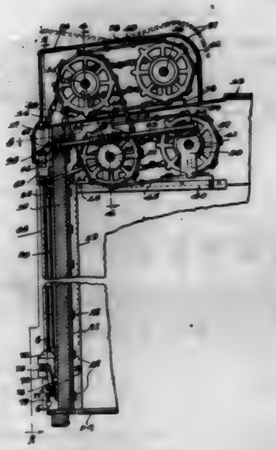
1,541,572. BUMPER BAR FOR AUTOMOBILES. ELLWOOD IVINS, Philadelphia, Pa. Filed Mar. 3, 1925. Serial No. 12,925. 3 Claims. (Cl. 293—55.)



1. A bumper bar for automobiles, and other vehicles, consisting of a tube of iron or steel enclosed within a drawn tube of nickel alloy.

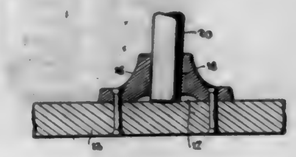
1,541,573. GRAIN DOOR. LOUIS F. JACKSON, Chebanse, Ill. Filed Nov. 20, 1924. Serial No. 751,117. 15 Claims. (Cl. 20—32.)

1. A device of the character described, comprising a pair of doors adapted to lie side by side for closing a single opening each composed of a series of hingedly connected sections, guide members for supporting said



doors in an operative position, and means for raising or lowering either door independent of the other.

1,541,574. RUDDER-SHAFT BEARING. VICTOR JARVINEN, Astoria, Oreg. Filed Aug. 27, 1924. Serial No. 734,465. 3 Claims. (Cl. 114—165.)

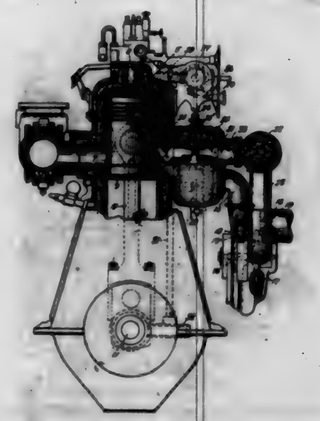


3. An attachment for vessels comprising a step for a rudder post adapted to be attached to the vessel and including a socket and an upwardly arching portion providing a channel through the step to prevent the lodgement of matter against the post.

1,541,575. INTERNAL-COMBUSTION ENGINE. WALTER B. JENNINGS, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 5, 1924. Serial No. 704,507. 6 Claims. (Cl. 123—65.)

5. The combination with an internal combustion engine comprising a cylinder structure having scavenging and exhaust ports, of a scavenging air receiver, a pump for supplying scavenging air thereto, a turbine for operating the pump, a chamber for supplying actuating fluid to the turbine, ports in the cylinder structure which

are opened in advance of the exhaust ports and closed subsequently thereto, and means for connecting such ports



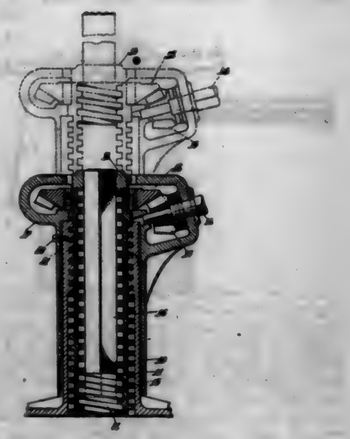
to the chamber during a portion of the power stroke and to the scavenging air receiver during a portion of the compression stroke.

1,541,576. CIRCULATING AND RADIATING HEATER. AXEL JOHNSON, Oakland, Calif. Filed July 1, 1924. Serial No. 723,508. 10 Claims. (Cl. 219—38.)



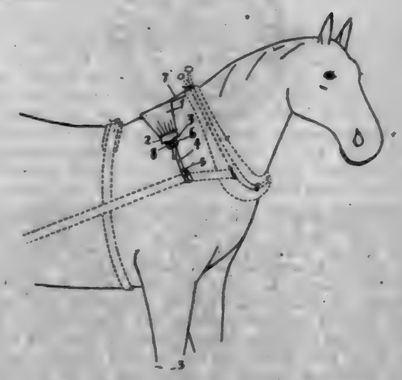
1. A circulating and radiating heater comprising a plurality of assembled sections, each section having a lower chamber, an upper chamber, and a connecting flue therebetween, said lower chambers of the assembly communicating with each other and having air inlet openings in their lower portions, and said upper chambers communicating with each other and having air outlet openings; and a heating member positioned within each of said lower chambers.

1,541,577. SCREW JACK. ALVIN L. JOHNSON, Springfield, Mass. Filed Mar. 24, 1925. Serial No. 16,031. 3 Claims. (Cl. 254—102.)



3. In a screw jack, the combination of a casing having an internal screw thread, a hollow screw movable up and down in said screw thread and provided with an internal screw thread, all the way to the bottom, a non-circular unthreaded plunger as long as the screw and located therein, a short screw on the bottom of the plunger fitting the internal thread, a gear fixed to the top of the screw for turning it, and a guide located above the gear and fitting the non-circular plunger, whereby the plunger is guided and stabilized at two points always at considerable distance apart.

1,541,578. NECK-WEIGHT-RELIEVING HARNESS ATTACHMENT. HOMER T. JONES, Ord, Nebr. Filed June 5, 1924. Serial No. 718,016. 1 Claim. (Cl. 54—18.)



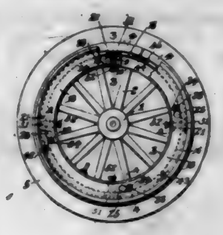
A neck weight relieving attachment comprising a flexible web adapted to hang over the withers of a horse, tucked portions on the ends of said web forming cup shaped hangers, fasteners attached to the ends of said web having offset portions engaging in the cup portions of the web and vertical side bars, strap retaining members slidable on said bars, straps retained by said retaining members, and means on said straps for engaging with the traces of the harness.

1,541,579. TOY AEROPLANE AND LAUNCHING DEVICE THEREFOR. ALEX KIKTA, Flint, Mich. Filed May 2, 1924. Serial No. 710,597. 11 Claims. (Cl. 301—28.)



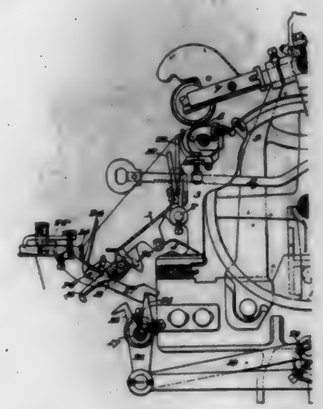
2. A toy comprising, an aeroplane having a central longitudinally extending keel at the forward part thereof provided with a notch in its rear edge, means to provide a pair of parallel members constituting a trackway, a launching carriage comprising, a substantially elongated plate member having the front and rear portions of each side edge rolled over one of said members to retain the carriage in sliding engagement with said members, spaced vertical plane supporting members carried by said carriage, means extending between said supporting members for engaging in the notch in said keel to carry the supported plane forward, a finger member depending from the under side of said carriage, and power means engaging said finger to swiftly draw the carriage forward to launch the plane carried thereby.

1,541,580. COLLAPSIBLE-RIM-SECURING MEANS. JOE LEON KILBY, Tyler, Mo. Filed July 11, 1924. Serial No. 725,431. 2 Claims. (Cl. 244—2.)



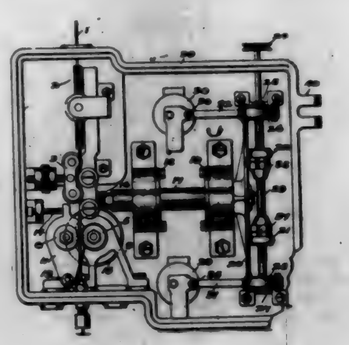
1. A demountable rim securing means comprising a stationary one-piece rim securing element having portions thereof extending at right angles with respect to each other and adapted to be position against the inner side and against the outer face of a felly and further including an intermediate portion connecting said angularly disposed portions together and constituting a rim abutting and attaching means projecting from the inner side of the felly, a shiftable rim securing element adapted to be positioned against the other side of the felly and having an outer projecting portion constituting a rim attaching means and opposing the rim attaching means on the stationary element, and retaining means common to said elements for fixedly securing the stationery element and releasably connecting the shiftable element to the felly of the wheel, said shiftable element and felly having coacting parts to permit of the shifting of said element against one side of the felly when connected thereto, said rim attaching means engaging with the flanges of the rim for securing the latter in position.

1,541,581. AUTOMATIC STARTER FOR WINDING-MACHINE STOP MOTIONS. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed May 2, 1924. Serial No. 710,609. 11 Claims. (Cl. 242—36.)



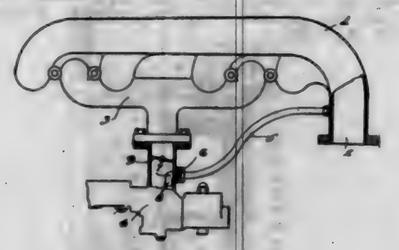
1. A winding machine stop motion including the kicker shaft, and a manually controlled automatic starter comprising a starting kicker on said shaft, and means arranged to be moved into the path of the kicker.

1,541,582. ARC-WELDING MACHINE. WILBUR L. MERRILL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 28, 1924. Serial No. 709,327. 8 Claims. (Cl. 219—8.)



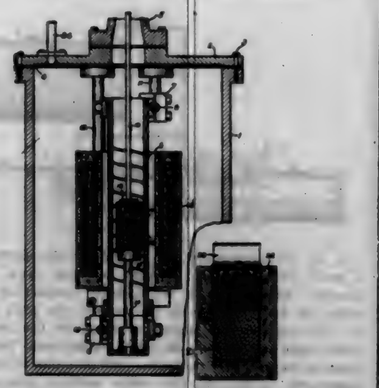
1. An arc welding machine comprising electrode feeding mechanism, means for operating said feeding mechanism comprising a rotatable disc, a friction roll for driving said disc, means for moving said roll into and out of engagement with the disk to control the speed at which said feeding mechanism is operated and means arranged and connected to control said roll moving means in accordance with an electrical characteristic of the arc which varies with the arc length and vary the rate of electrode feed to maintain the arc length substantially constant.

1,541,583. CARBURETOR HEATER. CHARLES C. MEES, Indianapolis, Ind. Filed Aug. 29, 1922. Serial No. 584,615. 3 Claims. (Cl. 123—119.)



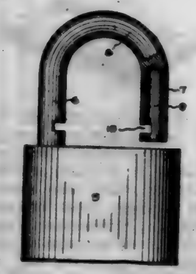
1. In an internal combustion engine, fuel mixture inlet means, a throttle valve therefor, exhaust gas outlet means, a conduit connecting said means, and an elbow extension on said conduit having a flaring opening into said fuel mixture inlet means on the supply side of said throttle valve.

1,541,584. PROCESS OF MAKING VITREOUS SILICA. LEVI B. MILLER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Aug. 10, 1921. Serial No. 491,122. 3 Claims. (Cl. 49—78.1.)



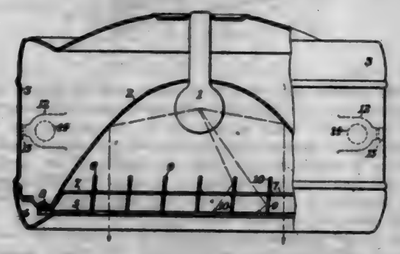
2. The method of producing clear vitreous silica or quartz glass which consists in heating quartz in the crystal state to a fusing temperature in a vacuum while mechanically supporting said quartz to prevent displacement of particles resulting from the cracking of said quartz when heated to a temperature of about 550° C.

1,541,585. RECORD-RECEIVING LOCK. HAROLD K. MORITZ, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed Feb. 11, 1924. Serial No. 692,119. 6 Claims. (Cl. 70—108.)



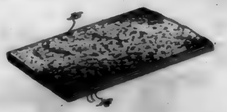
1. In a padlock, a housing, and a locking member operatively connected with said housing, said locking member having a record receiving recess formed therein and arranged to be closed when said locking member is in locked position.

1,541,586. VEHICLE HEADLIGHT. JAMES A. MURPHEY, Germantown, Pa. Filed Feb. 9, 1924. Serial No. 691,547. 6 Claims. (Cl. 240—48.4.)



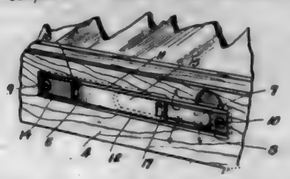
1. In a vehicle headlight, the combination with a light casing having means to hold it stationary upon the vehicle; of a source of light in said casing; a parabolic reflector fixed in said casing, in concentric relation with said source of light, arranged to normally project a portion of the light forwardly from said casing, parallel with the axis of said casing; means arranged to contemporaneously divert a portion of the light from said source laterally with respect to said casing and to the right hand side of the road traversed by the vehicle, and considerably in advance of the vehicle, including a dished plate formed of a single piece of pressed sheet metal comprising a plane annular portion extending transversely to the axis of said casing; a reflecting bar extending diametrically across the axis of said casing, in a plane at an acute angle to the axis of said casing, and merging at its ends into said plane annular portion; other reflecting bars upon respectively opposite sides of, and parallel with, said diametrical bar and in unitary relation with said dished plate, respectively merging at their ends into said transversely extending plane portion of said plate, and in unitary relation with an annular parabolic zone of said plate; and means arranged to hold said dished plate with said bars in vertical position, including an annular recess at the mouth of said parabolic reflector and an annular rib on said dished plate fitted to said annular recess; and means arranged to hold said dished plate in wedging engagement with said parabolic reflector, including a ring engaging said casing, exterior to said plate, and arranged to press the latter rearwardly.

1,541,587. TRIMMING THE INTERIORS OF VEHICLES AND THE LIKE. JOSEPH ROSENSTEIN, Chicago, Ill. Filed Sept. 7, 1922. Serial No. 586,594. 3 Claims. (Cl. 154—50.)



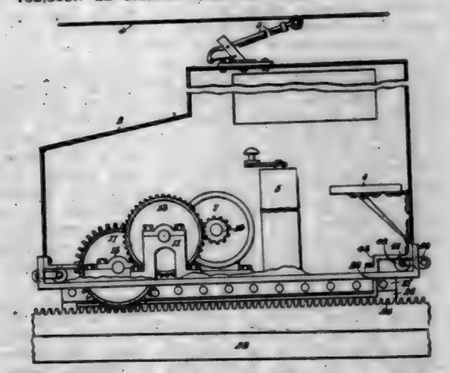
1. As a new article of manufacture, a panel for the purpose specified having sufficient strength to satisfactorily meet the requirements of service and sufficient pliability to be curved on the radii of automobile interior finishes, said panel comprising three sheets of fiber board adhered together by water proof adhesive, the exposed surfaces of the top and bottom sheets being coated with water proof material, and one exposed surface being embossed to simulate leather or the like, together with a suitable binder around the edge of the panel, substantially as described.

1,541,588. WINDOW LIFT AND VENTILATOR. ELLA M. RITTBAU, Liberty, Mo. Filed Feb. 11, 1924. Serial No. 691,994. 1 Claim. (Cl. 98—31.)



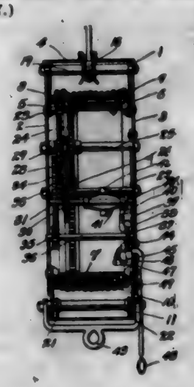
The combination with a window sash having a rail provided with an elongated opening therein, of a ventilator comprising a flat plate inset in the rail so that its outer face is flushed with the face of the rail, the plate having a length greater than the length of the opening in the sash rail and having an opening coinciding with the opening in the sash rail, the plate being provided with undercut grooves extending from end to end, the ends of the grooves being closed by the sash rail and a closure slide of less length than the plate movable longitudinally of the plate and received in the undercut grooves, the slide having movement in one direction to close the opening in the plate and in the rail.

1,541,589. MONORAIL SYSTEM. JOSHUA ROSSINI, Scranton, Pa. Filed Nov. 26, 1924. Serial No. 752,385. 22 Claims. (Cl. 105—29.)



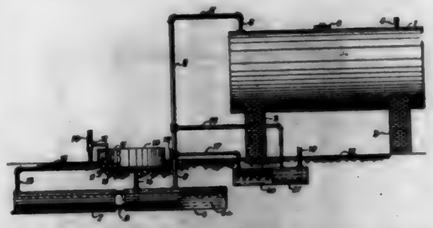
2. In a mono-rail railway, a single rail, a power car associated with the rail, rack teeth on the upper edge of the rail, motor driven gears on the power car meshing with the rack teeth on the rail, said rail embodying side walls with the horizontal teeth at the upper edges, and a guide block depending from the car and cooperating with the rail.

1,541,590. FIRE ESCAPE. CHARLES F. RYBA, Beardsley, Kans., assignor of one-third to Frank Ryba and one-third to Enoch Ryba, both of Beardsley, Kans. Filed May 10, 1924. Serial No. 712,889. 3 Claims. (Cl. 254—157.)



1. In a fire escape, a casing, a rotatable drum mounted in the casing, a gear carried by the drum, a train of gears driven by the first named gear, a shaft receiving its motion from the train of gears, a governor on the shaft, a second shaft driven by the fastest moving gear in the train and a brake disk on the last named shaft, and a shoe actuated by the governor to frictionally engage the disk.

1,541,591. VAPORPROOF STORAGE TANK. ARTHUR E. SADLER, Henrietta, Tex. Filed Mar 1, 1924. Serial No. 696,147. 4 Claims. (Cl. 220—85.)

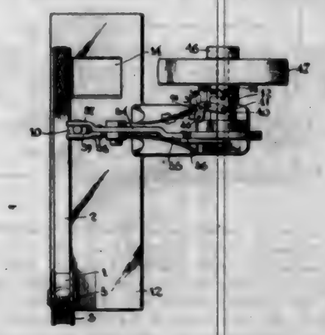


1. In an apparatus for storing hydro-carbon liquids, a main storage tank, a base for said tank, an intake therein, reservoirs; a main pipe connecting the tank with the reservoirs from the top of the tank to the top of the reservoirs, a water tank above the reservoirs, a pipe from the bottom of said water tank into and extending to a point adjacent the bottom of one of the reservoirs, a float in the water tank, a gas outlet pipe from the reservoirs to a distant point, a valve in said pipe adapted to be operated by the movement of the float in the water tank, a trap connected into the main pipe at its top and bottom, and a pipe extending from the trap to the surface of the ground.

1,541,592. SHEARING MACHINE. WALTER SCHWERKE, Beloit, Wis. Filed Feb. 21, 1924. Serial No. 694,351. 5 Claims. (Cl. 164—42.)

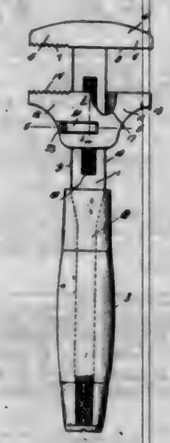
1. A machine for the purpose set forth comprising a slotted material support, a lengthwise slotted knife

operating through the slot of the support for shearing the material on the support, a guide pin carried by the support and operating in the slot of the knife, means connected to the forward end of the knife for imparting



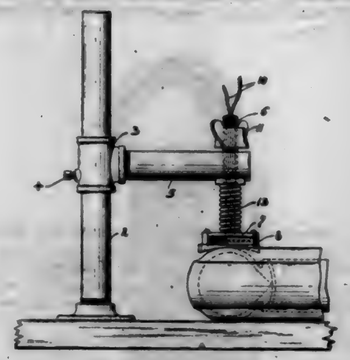
a downward and rearward movement thereto to provide for the shearing of the material by the knife, a pivoted lever slidably connected to said means, and means connected with the rear end of the lever for operating it.

1,541,593. WRENCH. RICHARD G. SCOTT, Edmonton, Alberta, Canada. Filed Apr. 1, 1924. Serial No. 703,429. 1 Claim. (Cl. 81—145.)



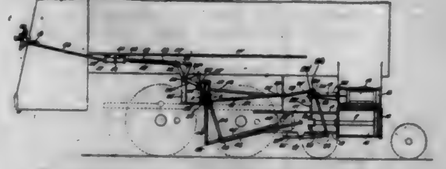
A wrench comprising a shank having a jaw fixed thereto, said shank having rectangularly disposed side surfaces, the opposite side surfaces being disposed parallel with relation to each other, two of the opposite side surfaces being knurled, and the other two intervening side surfaces being milled, a jaw movably mounted upon the shank and having an opening which loosely receives the shank, two of the opposite wall surfaces of the openings being provided with serrations adapted to engage the milled surfaces of the shanks, the said movable jaw being provided at its intervening sides with slots leading in from opposite edges of the said movable jaw, and spring fingers secured to the movable jaw and extending along the slot and having knurled surfaces adapted to resiliently engage the knurled surfaces of the shank.

1,541,594. VULCANIZING APPARATUS. CLYDE M. SEMLER, Akron, Ohio. Filed Apr. 2, 1923. Serial No. 629,827. 3 Claims. (Cl. 18—18.)



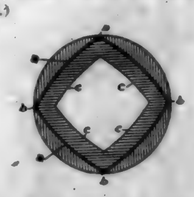
1. In a device for vulcanizing tires or tubes, a support for the object to be vulcanized, an arm extending over the support, a hollow stud mounted in said arm, a plate on the lower end of the stud, an electrical heating element in the plate, wires extending through the stud and connected to the heating element, yielding means adapted to press the object and plate together, and means for adjusting the support and the plate relatively to one another.

1,541,595. VALVE-GEAR MECHANISM. JOHN W. SHEPARD, Tucson, Ariz. Filed Apr. 1, 1921. Serial No. 457,598. 1 Claim. (Cl. 121—116.)



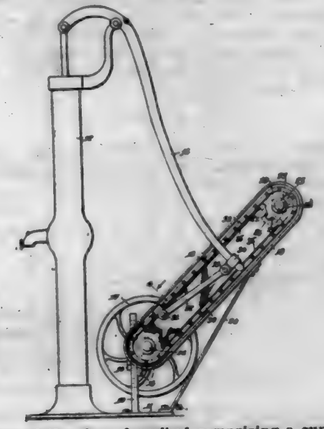
In a locomotive the combination with the valve cross heads and piston cross heads on the opposite sides of the locomotive, a transversely extending rock shaft formed of a pair of sections, one arranged within the other, each projecting from the other and from opposite sides of the locomotive and each having a slotted link at its outer end and a crank arm depending from its inner end and providing means whereby the valve motion on one side is partially derived from the opposite side of the locomotive, of a valved gear mechanism mounted on each side of the locomotive and consisting of a link pivotally connected to a piston cross head centrally of its bottom and extending forwardly therefrom, an upstanding lever pivoted at its lower end to the forward end of said link and further pivoted in proximity to the outer side of and extending above a valve cross head, a rod having its forward end pivotally connected centrally of the outer side of said piston cross head and extending rearwardly therefrom and connected to the crank arm of one of said shaft sections, a rearwardly extending link having its forward end pivoted to the upper end of said lever and a radius bar slidably connected with the link of the other shaft section and having its forward end pivotally connected to the rear end of the link which projects from said lever, and means connected with the shaft sections for effecting the shifting thereof to provide for the forward and backward movements of the engine.

1,541,596. FILAMENT FOR INCANDESCENT LAMPS OR OTHER VACUUM APPARATUS. FRANZ SKAUPY and FRITZ KOHEP, Berlin, Germany, assignors to General Electric Company, a Corporation of New York. Filed Nov. 3, 1924. Serial No. 747,573. 8 Claims. (Cl. 176—40.)



1. A macro-crystal filament of a refractory metal having a polygonal cross-section in its initial form, which filament when heated reduces to a filament having a second and different form having also a polygonal cross-section, the filament in the first form having one of its sides in a position at an angle to the position of any of the sides of the filament in its second form.

1,541,597. PUMP-OPERATING APPARATUS. LON W. SMITH, Maroa, Ill. Filed May 2, 1923. Serial No. 636,274. 1 Claim. (Cl. 74—14.)

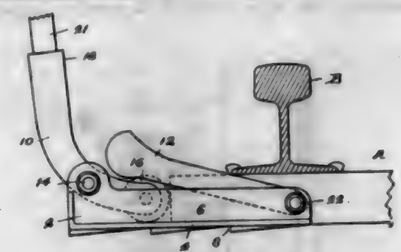


A device of the class described comprising a supporting standard having a bearing sleeve formed with outwardly directed ears, a stub shaft rotatable in said bearing sleeve a shell device attached at one end to said ears, a stud supported in said shell near the other end thereof, chain wheels mounted respectively upon said stub shaft and stud, and endless chain operative over said chain wheels, a pin extending from one of the links of said chain, a link coupled at one end to said pin and adapted to be coupled at the other end to a movable body, and means for rotating said stub shaft.

1,541,598. METHOD OF TREATING TRANSMISSION BANDS. TROY J. SNIDER and WARD E. MARSHALL, Terrell, Tex. Filed Sept. 27, 1923. Serial No. 665,245. 2 Claims. (Cl. 87—9.)

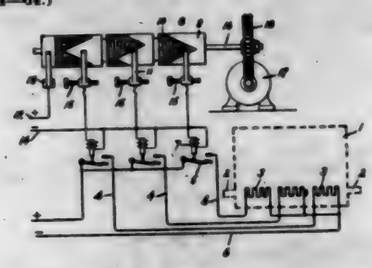
2. The method of treating textile brake or transmission bands which consists in the preparation of a composition consisting of a heavy tallow fat forming 75% of the composition, castor oil, forming 12½% of the composition, and a mineral lubricant of higher consistency than ordinary lubricating oils consisting of 12½% of the composition, immersing the transmission or brake bands in a boiling quantity of said composition, and permitting the same to remain therein from ten to fifteen minutes.

1,541,599. RAILWAY-TRACK LINER. HARRY N. STAMOS, Centerville, Iowa. Filed Nov. 12, 1924. Serial No. 749,478. 2 Claims. (Cl. 254—44.)



1. A device of the character described consisting of a base, a primary lever fulcrumed at one end of said base, a secondary lever fulcrumed at the other end of said base and having its free end overlapping the lower end of the primary lever, and an antifriction roller mounted in the lower end of the primary lever and arranged to travel along the underside of said secondary lever.

1,541,600. METHOD OF AND MEANS FOR OPERATING ELECTRIC FURNACES. CHRISTIAN STRENSTRUP, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 11, 1923. Serial No. 638,843. 6 Claims. (Cl. 204—64.)



1. The method of operating an electric furnace which comprises periodically admitting heating current to and cutting it off from the heating unit thereof and in varying said periods.

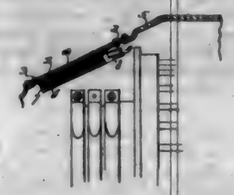
1,541,601. PIPE JOINT. ERNEST TRIBE, London, England; Charles Tribe, administrator of said Ernest Tribe, deceased, assignor to Victaulic Company Limited, London, England. Filed July 7, 1919. Serial No. 309,110. 9 Claims. (Cl. 285—198.)



1. A ring for forming a leak-preventing joint between the adjacent ends of two pipes, said ring comprising as a unitary structure a flexible body portion and flexible annular flanges extending inwardly from the edges of the body portion and forming with the body portion a reentrant fluid-receiving recess, said flanges having pipe-engaging walls projecting diagonally inwards toward the axis of the ring to form tapering

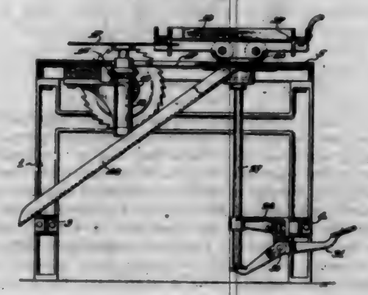
pipe-receiving openings the smaller portions of which openings are of smaller diameters than the diameters of the outer surfaces of the pipes to be received by them, and said flexible body portion forming a yielding backing for urging said flanges into sealing engagement with the outer surfaces of the pipes engaged by them.

1,541,602. OIL-FILTERING DEVICE. WILBER F. TRUMBO and WILBERT L. KIESTER, New Carlisle, Ohio. Filed June 25, 1923. Serial No. 647,714. 2 Claims. (Cl. 184—11.)



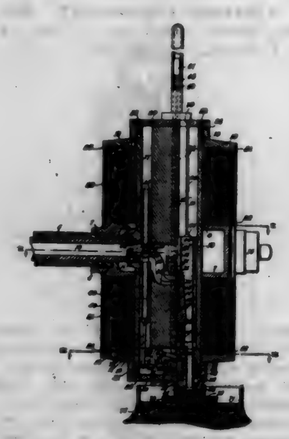
1. The combination with a transmission case having an opening and a cover for the opening, of a frame conforming to and fitting in the opening of said case and secured to the under face of the cover, a reticulated transversely arcuate receptacle secured to the frame under said opening, a plate at one end of the receptacle constituting a bottom for the receptacle into which the oil is received and passed to leave the sediment in the receptacle on the bottom of which it is deposited by gravity due to the position of the receptacle, and a shield provided at and secured to the opposite end of the receptacle, one side of the shield being cut away causing a space to be formed for the entrance of oil as it is thrown in the movement of the fly wheel, the opposite side of the shield having a rolled edge opposite said space and constituting a wing inclined over toward the transmission mechanism, serving to catch the oil and deflect it into the receptacle which overlies, covers and passes the oil over entirely all of the transmission drums.

1,541,603. ICE-CUBING MACHINE. FREAR TURNER, Detroit, Mich., assignor to Turner-Messenger Manufacturing Co., Detroit, Mich., a Corporation of Michigan. Filed May 11, 1923. Serial No. 638,290. 4 Claims. (Cl. 143—38.)



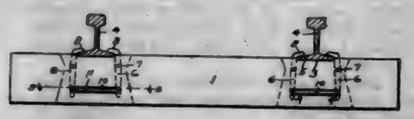
1. In an ice cubing machine wherein blocks of ice are adapted to be operated upon by sawing to provide kerfs by which cubes are released from the block of ice;—means adapted for manipulating the block of ice relative to said saws, said means comprising a shiftable frame, and a reciprocable turn table permitting of a block of ice being elevated and turned relative to said frame so that said frame may subject different faces of the block of ice to some of said saws.

1,541,604. ELECTRICALLY-OPERATED MEANS FOR SEALING VACUUM BOTTLES IN COMBINATION WITH AUTOMATIC PLUG-FEEDING MECHANISM. WALTER WAGNER, Chicago, Ill. Filed May 29, 1923. Serial No. 642,322. 13 Claims. (Cl. 220—1.)



1. An apparatus for the purpose described, comprising a connection for the air discharge opening of a vacuous chamber to enable a vacuum to be created therewithin, means for automatically feeding sealing elements into a proper position for being inserted into said opening, and means for driving one of said elements into said opening while the vacuum is maintained.

1,541,605. CROSSTIE. MARTIN L. WEAKS, Granite City, Ill., and JAMES W. CARY, Cumberland City, Tenn. Filed June 25, 1923. Serial No. 647,668. 1 Claim. (Cl. 238—357.)



A railroad tie having a plurality of rail locking levers disposed in a slot formed in the tie, pivot pins transversely spanning the slot and pivotally supporting the levers, the levers above the pivot pins being provided with hooked ends for engagement with the base of a rail seated on the tie and being further provided below the pivot pins with tails, a wedge key slidably mounted in a transverse slot formed in the tie and between the tails of said levers, said wedge key having converging side edges and being provided with a series of spaced perforations adjacent the narrower end, and a pin for selective engagement in said perforations to prevent recession of the wedge key.

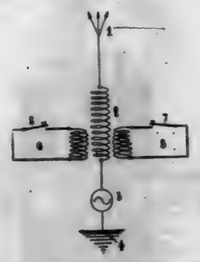
1,541,606. COMPOSITION OF MATTER FOR FACING CONCRETE BLOCKS. CYRUS S. WERT, Kendallville, Ind. Filed Aug. 31, 1921. Serial No. 497,142. 1 Claim. (Cl. 106—24.)

A facing mixture for concrete blocks consisting of a mixture of equal parts of cement, fine sand and marble dust with a small quantity of powdered hydrated lime mixed therewith, the mixture being wetted with water containing as much hydrated lime as it will dissolve and containing also water glass in the proportion of one pine of water glass to five gallons of the water containing the hydrated lime.

1,541,607. BELT TRANSMISSION GEAR. HEINRICH ZOELLY, Zurich, Switzerland. Filed Mar. 21, 1923. Serial No. 626,581. 3 Claims. (Cl. 74—62.)

1. A driving belt entirely of silk.

1,541,608. WIRELESS TELEGRAPHY. HENRI ABRAHAM, Paris, France. Filed Sept. 2, 1921. Serial No. 498,013. 7 Claims. (Cl. 250—9.)

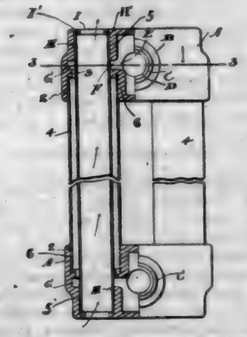


1. A system of radiotelegraphy, for simultaneously transmitting several messages in the same direction from a single sending station, each message at full power so as to avoid decreasing the sending area, comprising a series of independent manipulating devices at the sending station so arranged that by manipulating one of said devices emissions are produced at the wave-lengths characteristic of that device, and that when another device is manipulated the emissions have wave-lengths which are characteristic of the second device and different from those of the first device; and a series of receiving devices at the receiving station equal in number to the manipulating devices at the sending station, each receiving device being so arranged as to be capable of receiving equally well at a predetermined series of different wave-lengths which are the same as those sent out by the sending station when a certain manipulating device is operated.

1,541,609. CONTACT BRUSH FOR ELECTRIC MOTORS AND GENERATORS. CHARLES W. ADAMS, Saginaw, Mich., assignor to The United States Graphite Company, Saginaw, Mich., a Corporation of Michigan. Filed June 14, 1924. Serial No. 720,130. 3 Claims. (Cl. 71—325.)

1. An electrical commutator brush composed of an alloy of copper and lead, with not less than about 40 per cent pead.

1,541,610. RADIATOR. DAVID JOHN ARCHER, Toronto, Ontario, Canada. Filed July 16, 1923. Serial No. 651,762. 1 Claim. (Cl. 257—142.)



A radiator comprising a top and bottom header each having a chamber provided with an inlet and an outlet, and each integrally formed, and each embracing two longitudinally-disposed cylindrical sections, the inner of which is of greater horizontal diameter than the outer one, and into each of which opens a passage-way which is part of said chamber, the outer end of each cylindrical section having an opening thereinto, and each of the said sections being counter-bored to provide extended packing surfaces; a grooved flange located at the opening into each of the smaller cylindrical sections; a tubular air conduit swedged at its ends in said smaller cylindrical sections, and having its extreme ends located in the associated grooved flanges; a grooved flange located at the inner end of the counter-bore of each larger cylindrical section and of greater diameter than said air conduit which passes therethrough, and communicating with its associated passage-way, and a heating-medium-conveying conduit swedged in each counter-bored larger cylindrical section and having its ends packed in the associated grooved flanges thereof.

1,541,611. BACKSAW. JOHN P. ARNOLD, Philadelphia, Pa., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Dec. 18, 1923. Serial No. 681,401. 3 Claims. (Cl. 143—31.)



1. The combination in a back saw, of a blade; a handle secured to the blade; a back having a longitudinal groove to receive the blade, the blade having a slot at each end; pins on the back arranged to enter the slots, the back having a notch; and a catch on the handle arranged to enter the notch in the back when said back is in position on the blade.

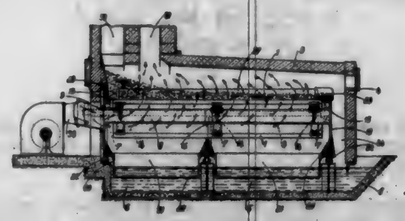
1,541,612. COMBINATION LOCK. LOUIS V. ARONSON, Newark, N. J. Filed Nov. 20, 1924. Serial No. 751,157. 3 Claims. (Cl. 70—53.)

1. A combination lock comprising, in combination, a bolt, a pin journaled in said bolt, a pair of permutation elements mounted upon said pin, one of said elements mounted for free revolution and the other thereof fixed to said pin, a pawl carried by said fixed element, means carried by said free element to coact with said pawl upon revolution thereof in one direction, a spring mounted upon said bolt, having frictional engagement with said free element, said elements having gates adapted to be brought into registry, and a stationary fence coacting with said gates.

1,541,613. COMBUSTION OF FUEL IN FURNACES. JAMES STANLEY ATKINSON, Westminster, London, England; assignor to Société Anonyme des Appareils de Manutention & Fours Stein, Paris, France, a Corporation of France. Filed May 12, 1924. Serial No. 712,656. 6 Claims. (Cl. 110—40.)

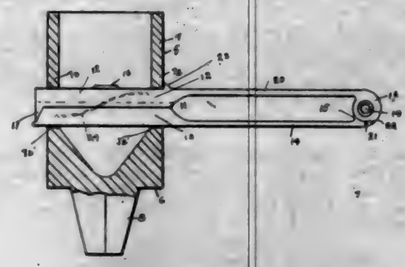
1. A furnace structure comprising an endless fuel conveyor mounted in an inclined position in the furnace,

means for feeding fuel onto the conveyor at one side thereof, means for causing movement of the conveyor to



convey the fuel in an upward direction, and a clinker and ash take-off chute at the side of the conveyor opposite the fuel feed.

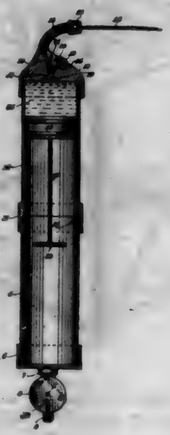
1,541,614. SASH-WEIGHT-CORE-FORMING DEVICE. WILLIAM M. BARNARD, Springfield, Mass. Filed Apr. 14, 1922. Serial No. 552,575. 2 Claims. (Cl. 22—13.)



1. A sash weight core forming device consisting of pair of members, one having a longitudinal channel, one of the members having sliding engagement with said channel, a spring carried and disposed in said longitudinal channel and bearing against the other member tending to separate said members, each member being provided with longitudinal handle, the rear ends of the handles being pivotally connected to each other, one of said members having a character thereon for imprinting the sand from which the sash is molded, the two members being so arranged that upon manual pressure of one end upon any portion of the handles the character will be moved inwardly to the sand and the device may be slidably withdrawn.

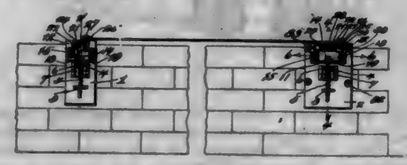
1,541,615. SYRINGE. ALFRED N. BESSESEN, Minneapolis, Minn. Filed Aug. 6, 1923. Serial No. 656,087. 3 Claims. (Cl. 128—218.)

1. In a syringe, a barrel portion, a removable cap carried by said barrel portion, said cap having a passage therethrough, a conical valve seat formed in said cap at one end of said passage, said cap having an opening extending therethrough from the valve seat, a second valve seat formed in said cap at the outer end of said opening, a rod movably positioned in said opening, a valve element carried by each end of said rod adapted to engage said valve seats one at a time, means associated with said rod for normally retaining one of



said valves in engagement with the first mentioned valve seat for closing said passage, and means carried by said rod for unseating this last mentioned valve and for seating the other valve.

1,541,616. BRICKLAYER'S GAUGE. BENJAMIN C. BOGGS, East Lake, Ala. Filed Sept. 7, 1923. Serial No. 661,476. 6 Claims. (Cl. 33—85.)

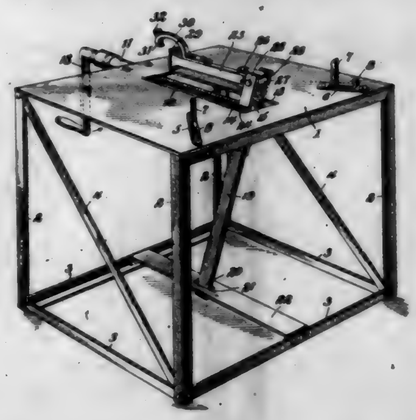


1. A bricklayer's gauge including a support, means for clamping the support on a brick in the wall, and a slide adjustably mounted upon the support and provided with means for leveling it in a direction longitudinally with and transversely of the wall.

1,541,617. RIM EXPANDING AND CONTRACTING DEVICE. JULIUS M. BORN, St. Paul, Minn. Filed Dec. 27, 1921. Serial No. 525,066. 12 Claims. (Cl. 157—1.)

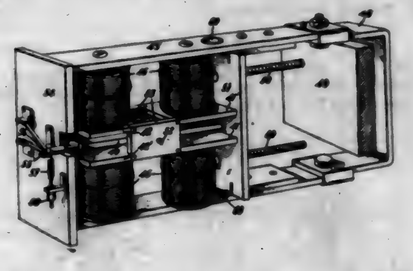
1. In a device of the class described, the combination with a table to support a rim with a tire thereon, of a plurality of stationary rim-engaging members mounted on the top of the table, a movable rim-engaging member operating above the top of the table, means for pivotally mounting said movable rim-engaging member so as to

swing in both a vertical plane as well as a horizontal plane relatively to a rim on said table, and means for



moving said movable rim-engaging member in a horizontal plane toward or from the stationary rim-engaging members.

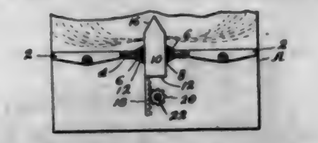
1,541,618. RELAY. HAROLD W. BROWN, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 5, 1921. Serial No. 482,630. 11 Claims. (Cl. 200—13.)



10. A protective relay of the class described, comprising a magnetic structure having oppositely disposed polar projections, a winding on said structure adapted to produce a polarizing flux therein and thereby to magnetize said polar projections, a winding surrounding said armature adapted to produce a flux therein to cause movement of the same in one direction or the other in accordance with the direction of current in said winding, contacts controlled by said armature, and openings in said armature locally restricting the flux path of said second winding to cause the flux path thereof to become saturated on predetermined current therein whereby the retentivity of the magnetic circuit is reduced and abnormal currents in said second winding are prevented from reversing the polarities of said polar projections.

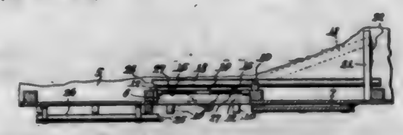
1,541,619. GRATE. CHARLES P. CALDWELL, Kansas City, Mo. Filed Mar. 10, 1921. Serial No. 451,272. 1 Claim. (Cl. 126—163.)

In a furnace grate, a stationary dead plate extending the length of the grate and having a plurality of vertical openings with surrounding pockets, packing in said pockets, tubular elements having air ports and extending through said openings and having smooth parallel sides snugly fitting within the packing, racks depending from said tubular elements, pinions intermeshing with



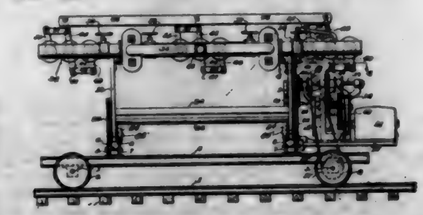
said racks to adjust the same vertically, a shaft upon which said pinions are fixed, and means for rotating said shaft.

1,541,620. GRAIN DOOR. JOHN S. CAMERON, Elliott, Ill. Filed Jan. 6, 1925. Serial No. 862. 2 Claims. (Cl. 16—90.)



1. In a freight car door, a body portion, a door opening, a stationary track section mounted exteriorly of the door opening, a track section pivotally mounted within the body portion and adapted to move into engagement with the first mentioned track section to form a continuation thereof, a support extending inwardly from the wall of the car and having a slot, one end of the pivoted track section adapted to move in the slot, a spring member disposed adjacent to the slot and adapted to engage the pivoted track section to lock the pivoted track section against movement, and a movable door section supported on the pivoted track section.

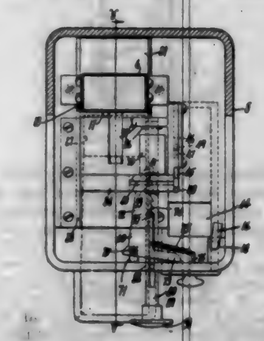
1,541,621. SPRAYING MECHANISM FOR COKE OVENS. MARIO CARINI, Belle Vernon, Pa., assignor of one-half to Arthur Vannucci, Belle Vernon, Pa. Filed Apr. 23, 1924. Serial No. 708,480. 10 Claims. (Cl. 299—48.)



1. A device of the character described, comprising a truck having a plurality of cog-racks mounted transversely thereon, a plurality of metallic plate uprights provided with cog-gears engaging said racks, a beam connecting said uprights at their top portions, a series of spraying pipes resting on said beam, and means connected to one of said uprights and to each of the pipes for imparting a partial back and forth rotary movement to each of said pipes.

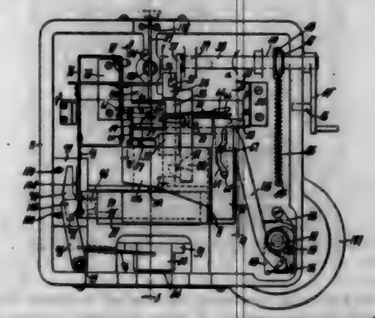
1,541,622. VENDING AND ADVERTISING MACHINE. DANIEL L. CHANDLER, Fitchburg, Mass., assignor, by mesne assignments, to Vend Ads Corp., a Corporation of Massachusetts. Filed Jan. 24, 1920. Serial No. 353,712. 13 Claims. (Cl. 194—80.)

1. A vending machine having, in combination, a casing, a magazine adapted to contain a column of articles of merchandise, a carrier slide movable beneath said column of articles adapted to receive the lowermost article in said column, an outlet chute provided in said casing having an inlet opening beneath the path of travel of said slide and an outlet opening extending outside said casing, and a manually operable actuating member slidable in said casing and in said slide, said



slide being provided with a vertical slot extending transversely of said actuating member, and said actuating member being provided with a coin-supporting notch extending transversely thereacross adapted to be brought into and out of alinement with said slots, whereby, upon the introduction of a coin into said slot, said slide may be locked to said actuating member.

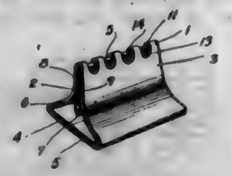
1,541,623. VENDING MACHINE WITH SPURIOUS-COIN DETECTOR. DANIEL L. CHANDLER, Fitchburg, Mass., assignor, by mesne assignments, to Vend Ads Corp., a Corporation of Massachusetts. Filed Dec. 7, 1921. Serial No. 520,682. 42 Claims. (Cl. 194—97.)



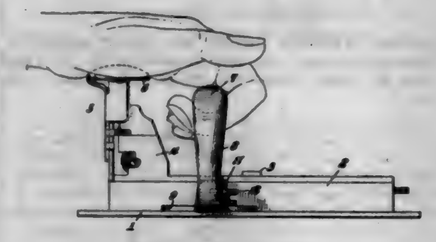
1. A vending machine having, in combination, a movable receptacle for an article to be vended, mechanism rendered effective only by the deposit of a coin of predetermined dimensions in said machine and adapted to move said receptacle to feed said article from said receptacle and out of said machine and mechanism adapted to eject said coin from said machine in the event of said article feeding mechanism failing to feed an article as set forth, said last named mechanism including a movable coin directing chute and means for moving said chute to direct said coin out of said machine.

1,541,624. THREAD CUTTER. ELIZABETH CHUTE, Minneapolis, Minn. Filed Dec. 15, 1924. Serial No. 755,828. 3 Claims. (Cl. 30—14.)

1. A thread cutter comprising a stand having a flat base and two upstanding converging walls joined together at their upper edges and provided with notches and a blade holder comprising two flat portions yieldingly connected at their lower edges and receivable in the space between the converging walls, the converging walls serving to clamp the holder in position, the width of the holder being less than the width of the blade which it is adapted to receive.

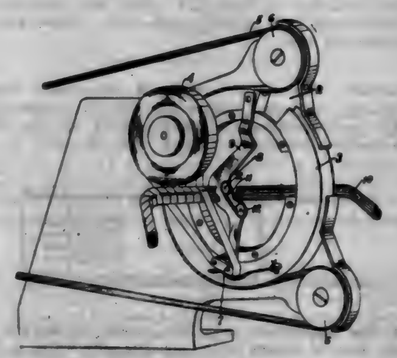


1,541,625. ATTACHMENT FOR STAPLING MACHINES. ISAIAH CHAPMAN, Eckelson, N. Dak. Filed Oct. 27, 1924. Serial No. 746,191. 6 Claims. (Cl. 1—2.1)



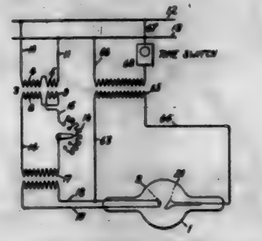
1. A stapling machine, comprising a base, a casing carried by the base, a depressible staple-setting plunger carried by said casing, and a loop handle carried by said base and elevated above the casing in rear of said plunger and adapted to be grasped by the fingers when the palm of the operator's hand rests upon the head of the plunger.

1,541,626. TAPING MACHINE. PENROSE E. CHAPMAN, St. Louis, Mo. Filed Apr. 13, 1922. Serial No. 552,204. 10 Claims. (Cl. 242—6.)



1. In a taping machine, the combination of a shuttle with a steady rest attached thereto.

1,541,627. X-RAY APPARATUS. WILLIAM D. COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Original application filed July 9, 1920, Serial No. 395,088. Divided and this application filed Apr. 26, 1923. Serial No. 634,864. 10 Claims. (Cl. 250—84.)



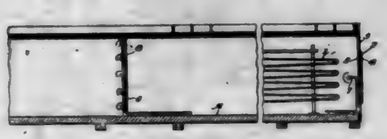
1. The method of obtaining a predetermined output of X-rays from an X-ray tube which is energized by a current of variable voltage which consists in regulating the electron emission at the cathode substantially inversely with the square of the voltage.

1,541,628. THREAD GUIDE FOR STOP MOTIONS. FRANK CRAWFORD, Sr., New Brunswick, N. J. Filed Aug. 31, 1923. Serial No. 660,331. 2 Claims. (Cl. 66—7.)



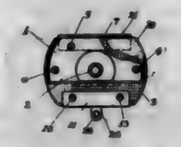
1. The combination in a thread guide for stop motions, of a casing having a bracket; a shaft under the bracket, the outer end of the shaft being supported by the bracket; a curved arm mounted on the shaft and rounded in cross section, said arm having a slot near its outer end; a plate secured to the bracket and bent downwards to form a guide; a beak-shaped end on the guide extending into the slot in the arm; and a projection acting as a guard to prevent the thread passing towards the shaft.

1,541,629. DRY KILN. FRANK M. CREIGHTON, Americus, Ga., assignor to Moore Dry Kiln Co., Jacksonville, Fla., a Corporation of Florida. Filed Apr. 12, 1924. Serial No. 706,180. 4 Claims. (Cl. 34—19.)



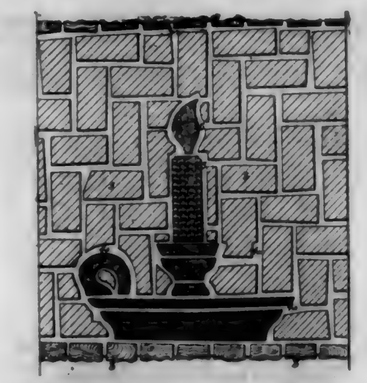
1. The combination of a kiln, means for heating the same, vertical sprays in the opposite side walls, a horizontal spray, said sprays all discharging in the general direction of air movement, and an air inlet regulating shutter or register, adjacent to which the horizontal spray is located.

1,541,630. ELECTRICAL CONDENSER FOR IGNITION CIRCUITS. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, a Corporation of Delaware. Filed Apr. 22, 1924. Serial No. 708,183. 6 Claims. (Cl. 250—41.)



1. A condenser comprising a casing having top and bottom plates of insulation, separated side plates joining the top and bottom plates and providing terminals, a stack comprising layers of conducting and insulating material, and carrying a terminal for part of the layers of conducting material, and another terminal for the remaining layers of conducting material, the stack being capable of insertion as a unit into the casing through either end thereof, to put each of its terminals into contact with one of the terminals of the casing, and being removable from the casing.

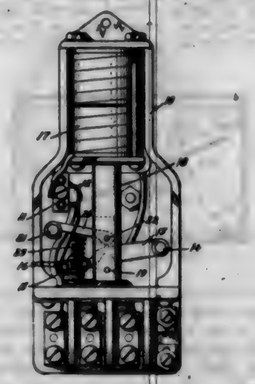
1,541,631. MOSAIC SURFACE AND METHOD OF MAKING IT. JAMES S. DUFFY, Rahway, N. J., assignor to Linomosaic Co. Inc., of New York, N. Y., a Corporation of New York. Filed Oct. 28, 1922. Serial No. 596,233. 5 Claims. (Cl. 72—18.)



1. The process of laying mosaic of resilient, flexible material which consists in first applying a cement to the surface to be decorated, then applying pieces of said flexible material in preformed condition to said cement so as to form a design, said pieces leaving open joint spaces between them, permitting said cement to set, and thereafter filling said joint spaces with a plastic cement which adheres to the sides of the pieces and to the surface which is being decorated.

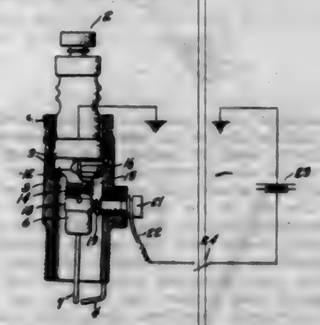
1,541,632. NORMALLY-CLOSED SWITCH. JOHN EATON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Apr. 12, 1920. Serial No. 373,062. 12 Claims. (Cl. 200—87.)

1. A switch of the normally closed type comprising a rigid switch contact and a cooperating movable contact, an actuating member for the movable contact biased to a position at which the contacts are closed, and connections between the actuating member and the said movable contact whereby the movement of the actuating member to its biased position moves the said contact angularly into engagement with the rigid con-



tact and then gives the contacts a wiping action, the said connections arranged to permit the contacts to be maintained closed during the rebound of the actuating member.

1,541,633. SPARK PLUG. ARTHUR F. FARMAN, Oakland, Calif. Filed Jan. 2, 1923. Serial No. 610,182. 1 Claim. (Cl. 123—169.)



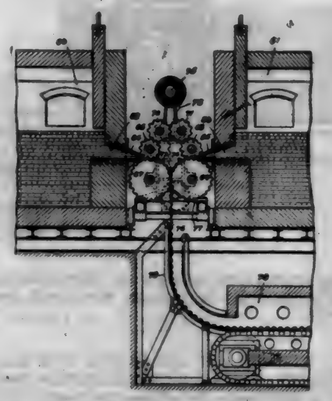
A spark plug comprising a bushing, an insulating core removably positioned therein, an electric heating element arranged on the outer side said core and having one terminal electrically connected to said bushing, a conductor electrically connected to the other terminal of said element and encircling said core on its exterior, and a resilient contact mounted on and insulated from said bushing and arranged to engage said conductor.

1,541,634. BREAD PAN. ERNEST B. FLETCHER, Toronto, Ontario, Canada, assignor to Fletcher Manufacturing Co. Limited, Toronto, Canada. Filed Dec. 18, 1924. Serial No. 756,761. 8 Claims. (Cl. 53—6.)



1. The combination with a pan having wired edges formed on its sides and ends, of a bracket having flanges rolled into the said wired edges along the adjacent sides of two adjacent pans and provided with tabs rolled into the said wired edges on the ends of the adjacent pans.

1,541,635. APPARATUS FOR MAKING CORRUGATED WIRE GLASS. JOHN H. FOX, Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,638. 8 Claims. (Cl. 49—82.)



1. A process of making wire glass which consists in continuously flowing two ribbons of glass so that they converge and meet, corrugating the sheets during such movement, continuously corrugating a wire mesh, feeding it between the two ribbons as they meet and applying pressure to the outer faces of the ribbons to cause them to weld.

1,541,636. COMBINATION CHURN AND FREEZER. WARREN S. GAUNTT, Kansas City, Mo., assignor to Earle H. Roraback, Kansas City, Mo. Filed Mar. 24, 1924. Serial No. 701,870. 1 Claim. (Cl. 259—92.)

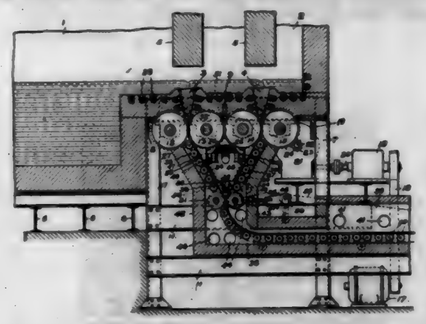


An apparatus of the character described consisting of a container, a lid thereto, supporting elements spaced about in the interior of said container, and an agitator mounted on said supporting elements and consisting of spring wire formed into an expansible split-ring for frictional engagement with the interior of said container and provided with interior coils, for the purpose described.

1,541,637. METHOD AND APPARATUS FOR MAKING WIRE GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,636. 5 Claims. (Cl. 49—82.)

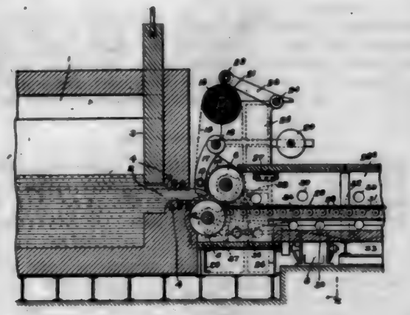
3. In combination in apparatus for forming wire glass, a tank having a pair of parallel outlet slots, a pair of rollers at the exit end of each outlet adapted to receive

therebetween the glass flowing from the outlet, supporting and guiding means in advance of each pair of rollers arranged to bring the two sheets together, means for



supplying a metal mesh between the sheets and means for engaging the outer faces of the sheets and pressing them together.

1,541,638. METHOD AND APPARATUS FOR MAKING WIRE GLASS. FREDERICK GELSTHARP, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company, a Corporation of Pennsylvania. Filed Sept. 26, 1922. Serial No. 590,637. 1 Claim. (Cl. 49—32.)



Apparatus for forming sheet glass comprising a tank containing a bath of molten glass and having an orifice leading through one of its side walls below the surface of the glass, a pair of cooled rolls opposite the orifice and spaced apart a distance corresponding to the thickness of the glass sheet to be produced, and with the upper roll spaced away from the tank, and a grid for guiding a wire mesh between the rolls pivotally mounted above the rolls, and having its lower end between the orifice and the rolls and projecting down into the stream of glass passing from the orifice to the pass between the rolls.

1,541,639. ANIMAL TRAP. WILLIAM S. GREGORY, Cincinnati, Ohio. Filed Oct. 31, 1921, Serial No. 511,924. Renewed Apr. 18, 1925. 1 Claim. Cl. 43—67.)

In an animal-trap, the combination of a receptacle having a fore opening or entrance, a platform or false bottom pivotally mounted within the receptacle longitudinally-back of the said entrance, a drop door or gate hinged along its outer edge to the outer end of the said platform but so as to fold beneath the latter when in normal position awaiting the entrance of the animal to be caught or entrapped, and adapted to automatically swing backwardly into said entrance when the animal has fully entered and with its fore part resting on and lowering the inner end of said platform and simultaneously raising or elevating the said outer end of said platform thereby, whereby the locking of said tilted platform is instantly effected on said full entrance of the animal, suitable cross-braces on the bottom of the receptacle to obstruct and prevent the accidental retreat



of the lower free end of said drop-door away from platform locking position, means for tempting and sustaining the animal in the trap and means for cushioning the fall of the inner end of the platform when the animal has entered the trap, substantially as herein shown and described.

1,541,640. DRAFT EQUALIZER. LOUIS W. GROHS, Racine, Wis. Filed Mar. 18, 1921, Serial No. 453,211. Renewed Jan. 27, 1925. 1 Claim. (Cl. 278—15.)



In combination a draft tongue, a lateral support having its inner end fixed thereto, an equalizing member mounted over and of a length to project from the ends of the support and the sides of the tongue, a pivot bolt extending through said member and support in close proximity to the outer end of the latter, that portion of said member extending inwardly from said bolt being of materially greater length than that portion extending outwardly therefrom, a flat rectangular, combined spacing and bearing plate interposed between and abutting directly against said support and member and further extended rearwardly therefrom, offset upper and lower retaining plates opposing respectively the top of said member and bottom of the support and abutting against the faces of said bearing plate at the rear thereof, and a forwardly directed outwardly inclined rigid rod having its forward end extending through and connected to the abutting portions of said plates and its rear end disposed parallel to and fixedly secured against one side edge of said tongue.

1,541,641. MANUFACTURE OF LAMINATED MATERIAL FROM SPINNABLE TEXTILE WOVEN FABRICS AND AN ADHESIVE BINDER. EMILE J. GUAY, Swampscott, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 8, 1924. Serial No. 705,111. 3 Claims. (Cl. 154—3.)



2. In the manufacture of material of the character described from spinnable textile woven fabric and an adhesive binder, the method of applying the adhesive binder to the fabric which comprises first saturating the fabric with a solution of the adhesive binder and then drying it in a vacuum to drive off the solvent and bring the adhesive binder primarily to the surface of the fabric.

1,541,642. DEMOUNTABLE-RIM CONSTRUCTION. JAMES E. HALE, Akron, Ohio. Filed Oct. 22, 1921. Serial No. 509,755. 1 Claim. (Cl. 301—20.)



A demountable tire carrying rim adapted to receive the standard inextensible bead tire, comprising an endless one-piece rim, the rim being formed with integral outwardly curved side flanges and elevated ledges adapted to receive the base of the tire beads, the rim being provided with a relatively deep channel, the side walls of which are angularly arranged with respect to the ledges, the ledges being at such a distance that the tire will be substantially circular in cross-section and the distance between the vertical inner faces of the side flanges being not greater than three-quarters of the maximum sectional diameter of the tire, the innermost surface of the channel having a seating surface by which the rim may be demountably secured to the wheel body.

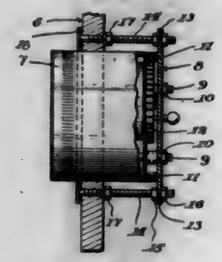
1,541,643. SAND SMOOTHING DEVICE FOR GOLF PLAYERS. HIRAM VIRGIL HENDRICKS, Oklahoma City, Okla., assignor of one-half to Guy A. Crooks, Oklahoma City, Okla. Filed Aug. 13, 1924. Serial No. 731,655. 5 Claims. (Cl. 273—32.)



1. A sand smoothing device for golf players' use, comprising a smoothing head round in cross section and of elongated form, a handle pivoted to the head intermediate of the ends of the latter, and means for binding the handle in any position relative to the head about the axis of its pivot.

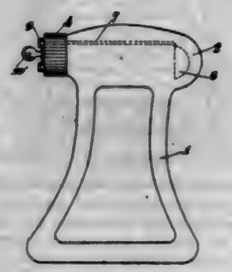
1,541,644. CLOCK MOUNTING. FREDERICK C. HERRMANN, Mount Vernon, N. Y., assignor to Phinney-Walker Company, New York, N. Y., a Corporation. Filed Nov. 26, 1924. Serial No. 752,370. 1 Claim. (Cl. 58—46.)

The combination with an instrument board having a hole therein, and a clock having a rotary case projecting thru said hole and a fixed plate behind said case and supporting the clock movement, of a ring at the front of the board, extending around the front end of the case and thru which said case projects so that it can be



grasped for rotation, bolts extending thru said ring and instrument board, and clamping devices between the rear ends of the bolts and the rear plate.

1,541,645. BOTTLE FOR SUPPLYING LIQUIDS IN DROPS. JULES KRAENTZEL, Brussels, Belgium. Filed Sept. 25, 1924. Serial No. 739,806. 1 Claim. (Cl. 215—1.)

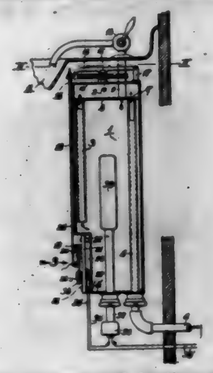


In an improved bottle for supplying liquids in drops, the combination with a bottle having a bell-shaped body and a head with two opposed outwardly projecting end-portions of which the first, fitted inside with a pierced cork plug, is closed and rounded while the second is open and cylindrical, of a metal cap fitted on said cylindrical portion of the head and provided with a hole for the admission of air and a hole for the passage of liquid situated symmetrically respectively above and below the centre of said cap, and air admission tube extending within the head of the bottle from the first-named hole towards the rounded end-portion of said head, a pivot-pin extending centrally through the cap and provided with an operating knob at its outer end, a spring coiled round the inner portion of said pivot-pin, a seat for one end of said spring on the inner end of said pivot pin, and a bridge piece secured on the outer portion of said pivot pin between the aforesaid cap and the operating knob, said bridge piece carrying two rubber or like stoppers capable of closing the holes in the cap.

1,541,646. ELECTRIC WATER HEATER. JULIUS J. KUHNER, Highland, Ill. Filed Oct. 2, 1920. Serial No. 414,290. 4 Claims. (Cl. 219—39.)

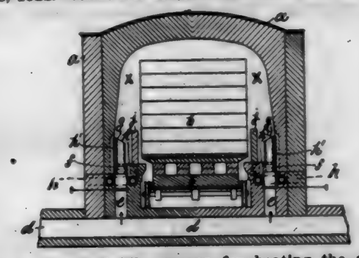
1. A heating container comprised of a pair of abutting compartments, one being arranged above the other, a cold water connection leading to said upper compartment,

a heating element associated with the lower compartment, a thermostatic regulator associated with said



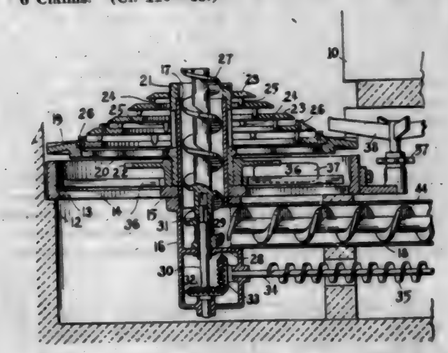
upper compartment and said heating element, and an outlet leading from said upper compartment to said lower compartment.

1,541,647. GAS-FIRED OVEN OR KILN. JOHN HENRY MARLOW, Stoke-on-Trent, England. Filed Mar. 16, 1921. Serial No. 452,870. 5 Claims. (Cl. 25—142.)



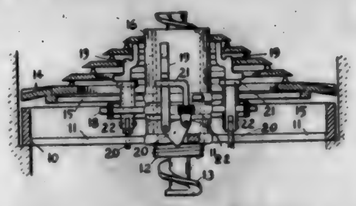
1. In a tunnel kiln, means for heating the same by gaseous fuel, comprising a transverse flue which is connected with a gas supply, gas supply openings between the flue and vertical burner tubes which communicate with the gas supply, ways having outlet openings on different horizontal planes for supplying air about the burner tubes, and a wall which extends vertically above the open upper ends of the burner tubes.

1,541,648. FURNACE. JOHN D. MARTIN, New Straitsville, Ohio. Filed Nov. 12, 1923. Serial No. 674,176. 6 Claims. (Cl. 110—45.)



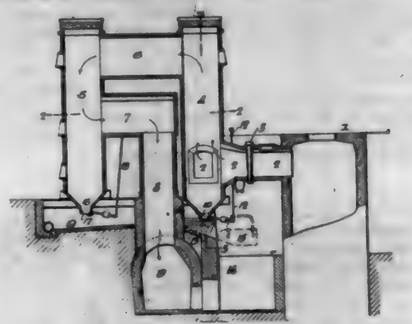
1. In a furnace, a conical grate, an underlying ash-ring, a scraper with radiating arms for removing ashes from the ash-ring, and means for revolving the ash-ring and the scraper.

1,541,649. FURNACE GRATE. JOHN D. MARTIN, New Straitsville, Ohio. Filed May 10, 1924. Serial No. 712,248. 2 Claims. (Cl. 126—182.)



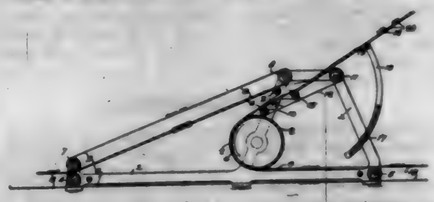
1. In a furnace, a conical grate consisting of a series of superimposed rings, means for revolving the grate, lifting elements carried with the revolving grate for separating the rings, and stationary elements which are engaged by the lifting elements.

1,541,650. GAS EQUALIZER AND SOOT COLLECTOR FOR GAS PRODUCERS. JAMES H. MATHESON, Reading, Pa. Filed Nov. 28, 1921. Serial No. 518,195. 5 Claims. (Cl. 183—34.)



1. The combination in a soot collector for gas producing apparatus; of extended vertical uptake and downtake flues both closed at the top; a short horizontal flue connecting the upper ends of the said uptake and downtake flues; a horizontal gas supply duct connected to the uptake flue between its ends; a horizontal gas discharge duct located vertically below the aforesaid horizontal connecting flue and connected with the downtake flue between its ends; a vertical gas discharge duct located between the uptake and downtake flues and connected at its upper end with the horizontal discharge duct; and valved soot pockets at the lower ends of the said uptake and downtake flues.

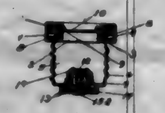
1,541,651. APPARATUS FOR TURNING PAPER. ROBERT K. MATLACK, Milltown, N. J. Filed Aug. 9, 1923. Serial No. 656,507. 15 Claims. (Cl. 271—63.)



1. In an apparatus for carrying sheets of paper for inspection, the combination of a feeding conveyer and a delivery conveyer for the sheets of paper, each conveyer moving in the same direction and having a station at

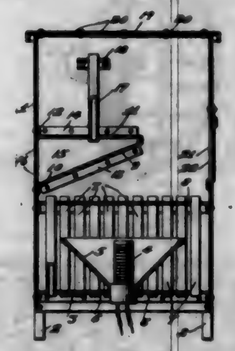
which the paper is entirely exposed for inspection; and apparatus located between the two conveyers for supporting the flat surfaces of the sheets of paper and turning them over to enable them to move forward onto the delivery conveyer so that both sides of the sheets of paper can be examined.

1,541,652. ELECTRICAL FUSE. ALBERT J. MATTER, Chicago, Ill. Filed Jan. 14, 1921. Serial No. 437,149. 17 Claims. (Cl. 200—130.)



1. The combination of a metallic case having an inturned edge, a non-conducting cap permanently attached thereto, a fuse and a non-conducting plug carried by said metallic case adapted to hold the fuse between it and the inturned edge of the case.

1,541,653. HEATER. GEORGE L. MENK, St. Louis, Mo. Filed Nov. 19, 1923. Serial No. 675,548. 5 Claims. (Cl. 126—90.)



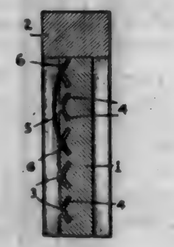
1. In a heater, a hollow shell, a heating element at the bottom of the shell, an upwardly flaring, reflecting flange surrounding said heating element, a series of vertical tubes surrounding and contiguous to said reflecting flange, said tubes being open at their lower ends through the bottom of the shell and extending up to a plane above the upper edge of said reflecting flange, and the shell having outlet openings in the upper portion thereof.

1,541,654. HITCH FOR ELECTRIC CORDS. WILLIAM C. O'BRIEN, Baltimore, Md. Filed Sept. 22, 1923. Serial No. 664,280. 2 Claims. (Cl. 24—129.)



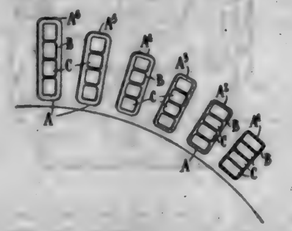
1. A hitch for electric cords comprising a short solid bar having spaced notches in one side adapted to permit the free entrance of the cord and having an opening extending through one end of the bar to the adjacent notch, said opening adapted to receive an attaching cord, and means on the bar for opening and closing the notches.

1,541,655. CHANGEABLE SIGN. GEORGE F. PARRIS, Los Angeles, Calif. Filed Aug. 22, 1924. Serial No. 733,583. 1 Claim. (Cl. 40—143.)



A changeable sign comprising a solid base provided on its front face with a series of relatively close parallel arbitrarily spaced longitudinal grooves, the walls of which being grooved at pronounced acute angles with the plane of the face of the base and diverging, the latter grooves of the walls of the first named grooves converging toward other latter grooves of an adjacent first named groove, the bottoms of the first named grooves being V-shaped, conforming to the second named grooves, and flexible letters provided with ear extensions engaging with the second named grooves, either with those which diverge or others that converge, the letters being retained therein by the resilience of the material of the letters.

1,541,656. DYNAMO-ELECTRIC MACHINE. CHARLES ALGERNON PARSONS and JESSEL ROSEN, Newcastle-on-Tyne, England; said Rosen assignor to said Parsons. Filed Nov. 15, 1923. Serial No. 674,866. 3 Claims. (Cl. 171—252.)

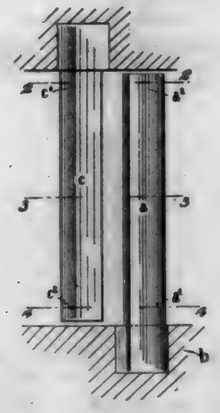


1. In combination in electrical apparatus, a member having therein a series of slots; electrically-associated conductors disposed in said slots and insulation also disposed in said slots and imbedding said conductors, the ratio of the cross-sectional area of said slots to the cross-sectional area of said conductors therein disposed varying progressively along said series, as set forth.

1,541,657. TURBINE BLADING. CHARLES ALGERNON PARSONS and FRANCIS WILLIAM GARDNER, Newcastle-on-Tyne, England; said Gardner assignor to said Parsons. Filed May 24, 1924. Serial No. 715,686. 7 Claims. (Cl. 253—77.)

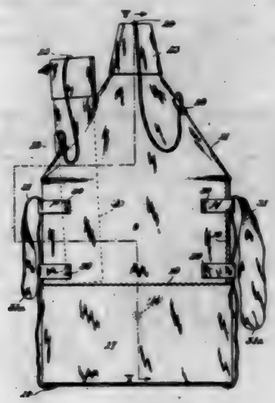
1. In combination in a turbine, relatively rotatable co-axial blade-carrying elements, outwardly-projecting

blades decreasing in thickness from root to tip carried by one of said elements, and co-acting therewith inward-



ly-projecting blades decreasing in thickness from tip to root carried by the other of said elements, as set forth.

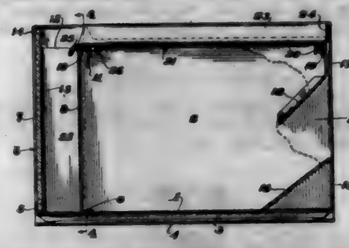
1,541,658. POWDER CAN. MIKE POLIK, Triadelphia, W. Va. Filed Aug. 29, 1924. Serial No. 734,955. 3 Claims. (Cl. 150—52.)



1. In a device of the type described, the combination with a metallic powder can having the form of a flask, of an insulating removable covering for entirely enclosing said can, said covering including a body portion, and a bottom having a portion of its edge permanently attached to said body portion, and having its remaining edge portion detachably attached to the body portion.

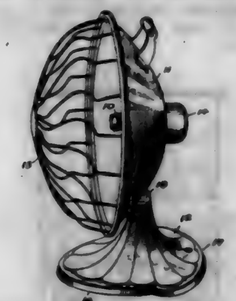
1,541,659. DISPENSING AND DISPLAY CONTAINER. SERENO J. RAMSAY, Algona, Iowa. Filed July 14, 1924. Serial No. 725,944. 4 Claims. (Cl. 211—25.)

1. A dispensing and display container for bulk candy or the like comprising a main receptacle having an outlet at the rear thereof, and provided with a pocket having a transparent front wall and located at the front of the receptacle, a separate tray forming the top of the main receptacle and removable therefrom to permit filling the same, said tray and said pocket being adapted to hold candy or the like independently of the main receptacle, said tray having its bottom wall at the front supported on the inner wall of the pocket and having its



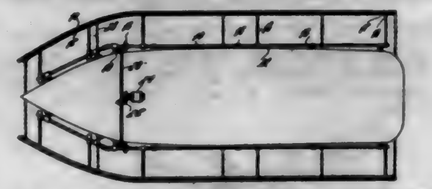
front end open and communicating with the top of the pocket to cause the candy in each to commingle and give the appearance of a full receptacle at all times.

1,541,660. ELECTRIC HEATER. CHARLES P. RANDOLPH, Oak Park, Ill., assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill., a Corporation of New York. Filed Nov. 30, 1923. Serial No. 677,866. 6 Claims. (Cl. 219—34.)



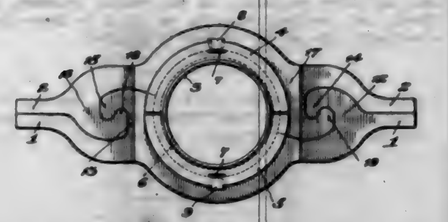
3. An electric heater comprising a radiant electric heating unit, a reflector for directing the heat radiated by said unit, a protruding guard for said reflector, and a base for said unit and reflector having an extension extending in the direction of the heat radiations, said base being otherwise so shaped that the heater when overturned assumes a position in which the heat radiations are directed upward.

1,541,661. SHIP PROTECTOR. AUGUSTO RIVELLI, Baltimore, Md., assignor of one-half to James D. Alaimo, Baltimore, Md. Filed Nov. 3, 1924. Serial No. 747,642. 2 Claims. (Cl. 14—240.)



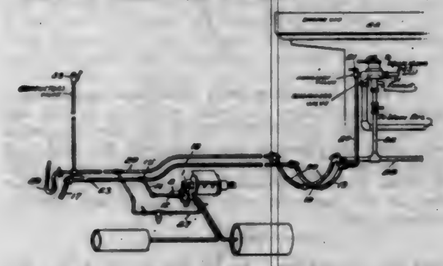
1. The combination with a ship, of a protector comprising a frame located upon each side of and spaced from the hull of the ship, shafts extending along opposite sides of the hull, arms having their ends rigid with the shafts and their outer ends pivotally secured to the frames, means whereby the shafts may be rotated to raise and lower the arms and raise and lower the frames and means for resisting pivotal movement of the frames when the latter are in lowered position.

1,541,662. CASING CLAMP. THOMAS B. ROBINSON, Tulsa, Okla. Filed Oct. 6, 1923. Serial No. 666,976. 2 Claims. (Cl. 24—263.)



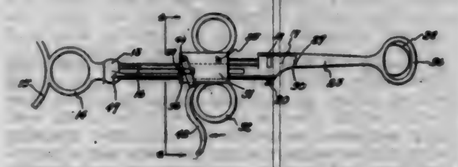
1. A casing clamp for oil wells comprising a base formed of two equal size members having their intermediate portions adapted to surround an oil well casing, interlocking overlapping knuckles integrally formed on the inner walls of said members and adapted for cooperative engagement at diametrically opposite points with respect to the casing to form the sole means for securing the base members in assembled position.

1,541,663. AIR-BRAKE SYSTEM. HENRY SCHMARGE, Belen, N. Mex. Filed Jan. 15, 1925. Serial No. 2,622. 7 Claims. (Cl. 303—42.)



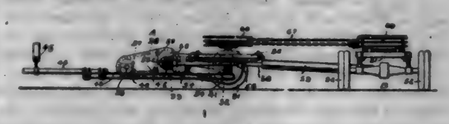
1. An air brake system comprising in combination a pair of pipe lines, a triple valve including a cylinder with an operating piston therein, a separate cylinder connected with said first mentioned cylinder and including a reciprocatory piston having an axial extension arranged to contact with a similar axial extension on said first mentioned piston and independent connections between said pipe lines and said cylinders whereby the stroke of said first mentioned piston may be positively shortened by increasing the pressure in said separate cylinder to protrude the axial extension on said reciprocatory piston in the path of said first mentioned piston for preventing undesired quick action of said triple valve.

1,541,664. TONSIL SNARE. HUGO W. SCHULTES, Brooklyn, N. Y. Filed Oct. 9, 1923. Serial No. 667,434. 1 Claim. (Cl. 128—320.)



A tonsil snare comprising a slotted and hollow body, said slots being diametrically opposite each other, a screw rotatable in said body, a finger ring at one end of said screw for rotating the screw, a carriage slidable on said body, means removable from said carriage for locking the latter on the screw, comprising a sleeve mounted in said carriage, arms extending from said sleeve and being housed in the slots of said body, jaws at the ends of said arms, teeth formed on adjacent faces of said jaws, said jaws being movable in slits in the carriage and in the slots of the body, the arms of said jaws being resilient and normally urging the latter into disengaged position, a trigger, forked arms on said trigger pivoted on the sides of said carriage, curved faces on said jaws, said curved faces projecting through the slits in the carriage, the forked arms of the trigger being adapted to engage the curved surfaces of the jaws and urge the latter into engagement with the threads of the screw.

1,541,665. TRACTOR ATTACHMENT. BENJAMIN F. BROOKE SEWELL, Chula, Va. Filed Dec. 11, 1917. Serial No. 206,703. 4 Claims. (Cl. 180—16.)



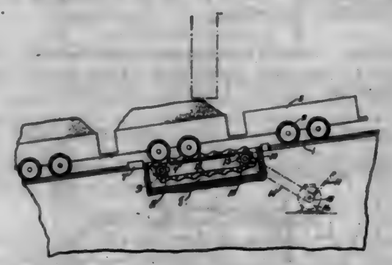
1. A traction attachment for motor vehicles having a central longitudinal swivel connection with the motor vehicle and rests at either side of said longitudinal center for engagement with the drive axle of said vehicle, the swivel connection consisting of a reach rod on the tractor and a swinging clamp on the vehicle.

1,541,666. SHUTTLE. JAMES SHAW, Paterson, N. J. Filed Dec. 18, 1924. Serial No. 756,805. 3 Claims. (Cl. 139—214.)



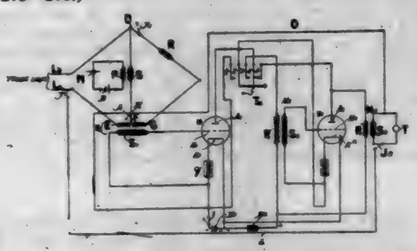
1. In a shuttle having a recess, a removable pin box disposed therein, said pin box comprising a pair of spaced connecting plates having aligning apertures, a plurality of pins loosely disposed in said apertures, and a thin casing adapted to be slipped over the box, and conforming in shape thereto, for the purpose of holding the pins in place.

1,541,667. CAR RETARDER. GLENN B. SOUTHWARD, Elkins, and CLYDE O. GALLAHER, Coalton, W. Va. Filed Jan. 24, 1925. Serial No. 4,595. 7 Claims. (Cl. 104—250.)



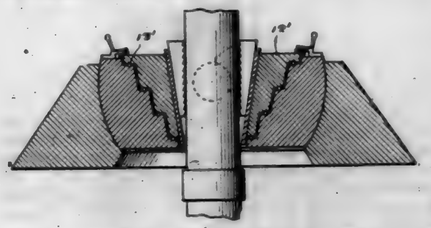
3. A means for retarding a car arranged in a gap between the rails of a track on which the car travels, and comprising endless elements having means for receiving and holding the wheels of the car thereon, means for imparting a longitudinal movement to the elevator, and braking means for said endless elements.

1,541,668. AMPLIFIER FOR SUBSCRIBERS' STATIONS. SIGMUND STRAUSS, Vienna, Austria. Filed June 1, 1922. Serial No. 565,121. 15 Claims. (Cl. 179—170.)



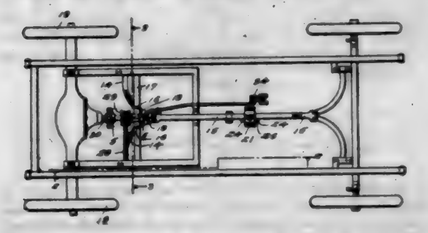
1. In a telephone system comprising telephone lines, and a subscriber's station at the ends of the lines having a microphone, a telephone and an induction coil, an amplifier for amplifying the incoming speech currents, a telephone repeater having a primary and a secondary, a connection including an artificial resistance substantially equal to the line resistance connecting said primary with the telephone lines, means for connecting said microphone to the primary of said repeater whereby the currents from said microphone remain unamplified, a second telephone repeater operatively connected with the amplifier and having a secondary operatively connected with the subscriber's telephone, and a connection between the secondary of said repeater and the middle of the primary of the first telephone repeater.

1,541,669. CASING SPIDER. ROBERT B. SUMMERS, Tulsa, Okla. Filed Nov. 10, 1924. Serial No. 749,070. 6 Claims. (Cl. 24—263.)



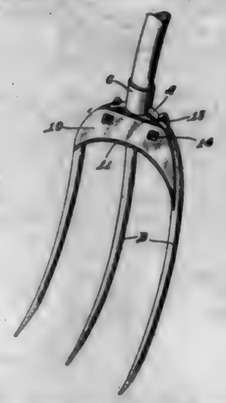
1. A device of the class described comprising a supporting member, a bowl movably mounted therein, means for preventing rotary movement of the bowl in the member, means carried by the bowl for gripping a casing, such means comprising a ring of tapered shape engaging the tapered interior of the bowl and tapered slips in the ring for engaging the casing.

1,541,670. VEHICLE PARKING ATTACHMENT. OLIVER L. THOMPSON, Tulsa, Okla. Filed June 10, 1924. Serial No. 719,152. 3 Claims. (Cl. 180—1.)



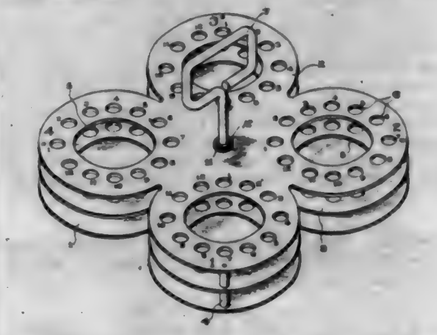
3. A vehicle parker comprising folding standards, a clevis pivoted to each of the standards, an actuating bar, longitudinally slotted links connecting said bar and clevises, pins co-acting with the slotted links, operating means for the said bar, wheels at the lower end of the standards, connecting means between one of the wheels and the drive mechanism of the vehicle including a clutch, and operating means for the clutch to throw the attachment into or out of gear as required.

1,541,671. PITCHFORK ATTACHMENT. ARTHUR B. TOMLINSON, Portage, Wis. Filed June 29, 1923. Serial No. 648,551. 3 Claims. (Cl. 30—14.)



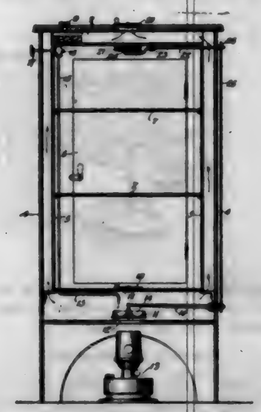
1. A knife attachment for a pitch fork, comprising a blade disposable upon the head portion of a fork and having its edge toward the ends of the tines sharpened, and means for clamping the blade upon the head, said means including a plurality of hook bolts passed through the blade with their hooked ends engaging the outermost tines of the fork and with their other ends carrying clamping nuts.

1,541,672. CARRIER. FRANK TULAY, St. Louis, Mo. Filed Mar. 16, 1923. Serial No. 625,524. 1 Claim. (Cl. 224—48.)



A carrier for water glasses, medicaments and clinic thermometers, comprising superimposed plates having rounded corners all of which, except the bottom plate having rounded openings therethrough and having numbered apertures arranged in spaced relation circumferentially of the openings, a sleeve centrally connecting the outer plate and the plate adjacent thereto, posts holding all of the plates in spaced relation, a handle having a shank passing through the sleeve, and means sustaining the shank from longitudinal movement through the sleeve and permitting the device being revolved thereround.

1,541,673. HEATING CABINET. JOHN A. VALENTA and JOE KOVAR, Taylor, Tex. Filed Mar. 11, 1924. Serial No. 698,575. 3 Claims. (Cl. 126—20.)



1. In a heating cabinet, outer and inner spaced casings each having heat inlet openings, a damper controlling the opening in the outer casing, a liquid supply tank in said cabinet, means for controlling the flow of liquid from said tank to said damper, and a heating element located beneath said damper to vaporize the liquid fed to said damper from said tank and to supply heat to the inner casing through the opening therein.

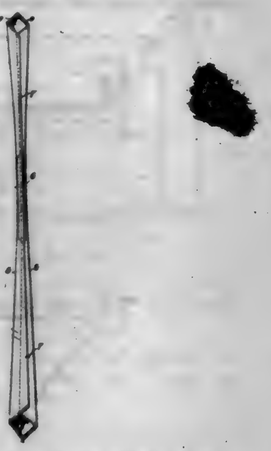
1,541,674. GOLF STICK. OLGA C. WEVER, West Suffield, Conn. Filed Nov. 8, 1924. Serial No. 748,693. 3 Claims. (Cl. 273—80.)



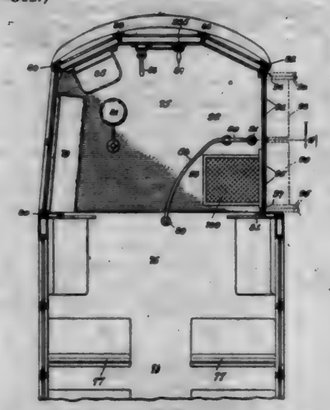
2. A golf stick comprising a pair of foldable sections, a socket in one of said sections for telescopically receiving one end of the other of said sections, a plunger slidable in said socket, a link pivotally connected to said plunger and last mentioned section, a spring within said socket and acting against said plunger, and means for locking said sections in axial alignment, said last means including a slidable sleeve carried by one section and having bayonet slots for co-action with pins on the other section.

1,541,675. NECKTIE. ISADORE D. WOLFSON, New York, N. Y. Filed Oct. 30, 1924. Serial No. 748,880. 2 Claims. (Cl. 2—146.)

1. A four-in-hand necktie composed of two thicknesses of material and substantially the same size and shape secured together at both side edges and at both ends, said tie folded upon two longitudinal fold lines extending throughout the length of the tie and said folds permanently secured to the body of the tie in the neck band portion thereof, and fragile means connecting the folds in the tying ends of the tie, said folds being otherwise free in the tying ends to permit ironing of the tying ends out flat when the fragile connecting means have been broken.



1,541,676. VEHICLE. HARRY H. ADAMS and CHARLES GORDON, Chicago, Ill., assignors to National Pneumatic Company, a Corporation of West Virginia. Filed Sept. 11, 1922. Serial No. 587,405. 68 Claims. (Cl. 105—341.)

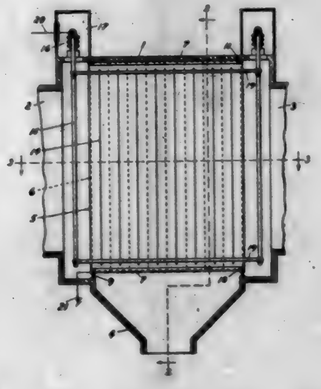


1. A vehicle having entrance and exit-ways, and barrier means for preventing persons boarding the vehicle through said exit-way operable for opening by the act of a passenger combined with an act of the operator of the vehicle and automatically returnable to barrier-forming position when the passenger leaving the vehicle reaches a certain position.

1,541,677. APPARATUS FOR ELECTRICAL PRECIPITATION OF SUSPENDED PARTICLES FROM GASES. EVALD ANDERSON, Alhambra, Calif., assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed April 24, 1924. Serial No. 708,800. 8 Claims. (Cl. 183—7.)

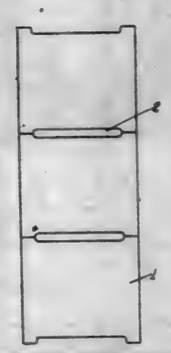
1. An electrical precipitator comprising a collecting electrode formed of a body of semi-conducting material, parallel conducting members extending in said body

of semi-conducting material, and insulated discharge electrodes extending parallel to the collecting electrode and to the conductor members therein and arranged in alternate or staggered relation to the conducting mem-



bers in the collecting electrode and equidistant from opposing conductor members so as to be opposite the spaces between said conducting members for the collecting electrodes.

1,541,678. COLLECTING ELECTRODE FOR ELECTRICAL GAS-CLEANING APPARATUS. WILHELM JOHANNES LORENZ BAUER, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 8, 1924. Serial No. 685,065. 6 Claims. (Cl. 183—7.)



ELECTRODE MEMBER CONSISTING OF SEMI-CONDUCTING NON-METALLIC MATERIAL AND CARBON

1. A collecting electrode for an electrical gas cleaning apparatus comprising an electrode member consisting throughout of a mixture of semi-conducting non-metallic material and carbon.

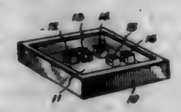
1,541,679. TELEPHONE ATTACHMENT. HERBERT A. BRINK, Cedar Rapids, Iowa. Filed Dec. 4, 1924. Serial No. 753,933. 2 Claims. (Cl. 40—10.5.)

1. In a telephone attachment, a blank adapted to be folded upon itself to form two superimposed sections, the upper of the sections terminating a substantial distance short of the lower of the sections, corresponding openings spaced from the ends of the sections to receive the mouthpiece of the telephone which is adapted to clamp the sections together to form a card holding



clasp, a pencil clasp formed integrally with the sections, means on said lower section to receive a pad, and clips formed integrally with the sections.

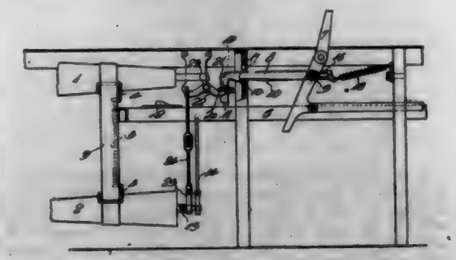
1,541,680. GAME. HENRY V. BERDQUIST, New York, N. Y. Filed Feb. 5, 1925. Serial No. 7,079. 3 Claims. (Cl. 273—109.)



1. A game apparatus comprising a plurality of dice marked with the letters of the alphabet, no one die having the same letter as any other die of the series.

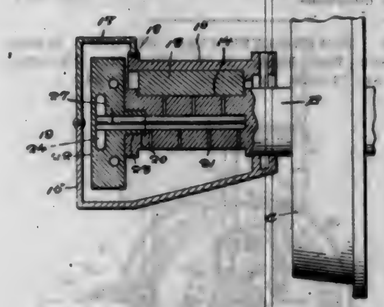
2. A game apparatus which comprises a series of five dice, four of said dice having five letters of the alphabet thereon and the fifth die having six letters thereon, the letters on any one die being different than the letters on any other die.

1,541,681. STOPPING MECHANISM FOR ROVING AND THE LIKE MACHINES. ADONIAS D. BOLDUC, New Bedford, Mass. Filed July 28, 1923. Serial No. 653,314. 9 Claims. (Cl. 192—129.)



1. In combination, a machine having a knock-off lever, a pivoted latch for normally holding said lever against movement, and manually controlled means for releasing said latch from a remote point; a normally held emergency actuator for said knock-off lever movably connected with the latter to permit operation thereof independently of said actuator when said latch is released, means for automatically releasing said actuator upon unusual operation of the machine, means operated by said actuator for automatically releasing said latch when said actuator is released, and means for automatically operating said lever when said latch is released.

1,541,682. LUBRICATING SYSTEM. CHARLES A. BOWEN, Portsmouth, Ohio. Filed Apr. 17, 1922. Serial No. 553,885. 3 Claims. (Cl. 308—127.)



1. In a car truck including an axle carrying a wheel, a journal box for the end of the axle including a casing having lower and upper sections, the lower sections constituting an oil reservoir and the upper section constituting a cover therefor, a bearing brass removably mounted within the journal box, means on the upper section of the box and on the axle for preventing longitudinal displacement of the bearing brass, a disk detachably mounted on the end of the axle and rotating within the box, the axle having a bore and the disk having a chamber communicating therewith, the axle having a plurality of staggered holes extending from the bore to the outer periphery, and passages in the disk extending from the periphery to the chamber, and a deflector cruciform in cross section mounted within said bore.

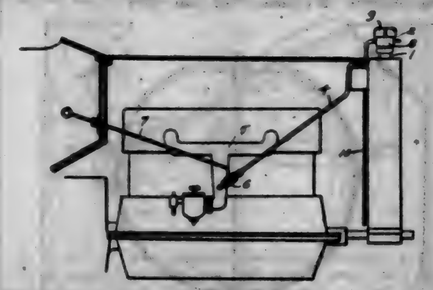
1,541,683. LIFE, HEAVING, AND OTHER TYPES OF LINES. PHILIP H. BURBLES, Washington, D. C. Filed Oct. 4, 1921. Serial No. 505,488. 4 Claims. (Cl. 242—1.)



1. The method of preparing a line adapted to be dropped or hurled free from twists, kinks and the like which consists in imparting an initial twist to the line, then winding said twisted line in a direction which will result in an opposite twist being imparted to the line, and finally applying means upon said line for re-taining the same in twisted and wound condition, said means being dropped with the line for maintaining the coils thereof in position up to the time of their release and during the descent of the line.

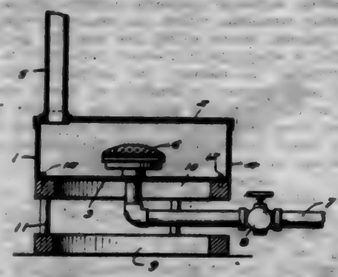
1,541,684. FUEL ECONOMIZER. FERDINAND W. BUSCH, Berlin, N. Dak. Filed Dec. 30, 1921. Serial No. 525,855. 2 Claims. (Cl. 123—25.)

1. In combination with a filling tube of a radiator in an internal combustion engine cooling system, and a detachable cap for the tube, a ring attachable to the tube and adapted to detachably receive



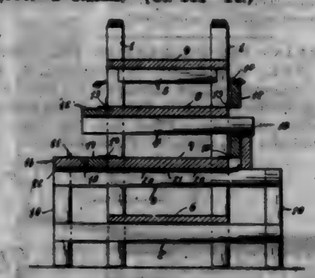
the cap, and a pipe carried by the tube in communication with the atmosphere and the interior of the tube and the fuel line of the engine.

1,541,685. GAS STOVE. HORACE M. CAWOOD, Los Angeles, Calif. Filed Nov. 22, 1924. Serial No. 751,682. 1 Claim. (Cl. 126—40.)



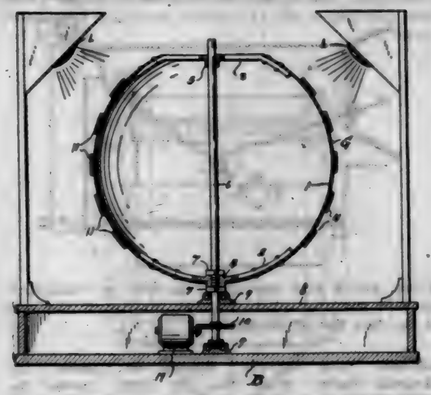
A gas stove comprising a stand, a shallow hollow body mounted upon the stand and having an inlet air opening in its front and a vent pipe connected with the rear portion of its top, and a burner disposed within the body, the stand comprising similar upper and lower frames and connecting posts, and said stand having dowels or pins projecting from its top to enter openings in the bottom of the stove body to hold the parts when properly assembled.

1,541,686. STOREROOM RACK. CHARLES A. CLINE, Marion, Iowa. Filed June 19, 1924. Serial No. 721,060. 2 Claims. (Cl. 211—14.)



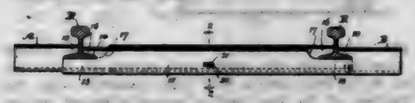
1. A rack of the character set forth, comprising a shelf, a sectional platform, a hinge connecting the inner edges of the platform sections, a hinge connecting the inner platform section to the shelf, means adapted to support the platform sections in extended position in the plane of the shelf, and spring means adapted to support the platform sections folded one against the other at an angle to the shelf.

1,541,687. ILLUMINATING DEVICE. CHARLES C. COEY, Sioux City, Iowa. Filed Dec. 27, 1923. Serial No. 683,089. 2 Claims. (Cl. 240—10.)



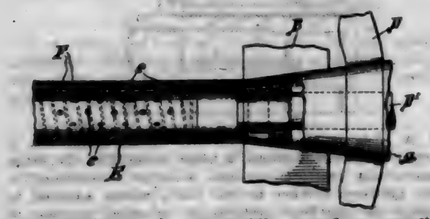
1. An illuminating device comprising a hollow base, an upstanding vertically disposed member having its lower portion extending within the base and rotatably supported thereby, means within the base for rotating said member, a substantially globular body fixed to the upper portion of the member, the peripheral wall of said body being opaque, a plurality of facets secured exteriorly to the peripheral wall of the globular body, said facets being reflective, and lamps supported in a position to direct rays of light upon the globular body from above and at opposite sides thereof.

1,541,688. RAILROAD TIE. GEORGE B. COX, Wray, Colo. Filed Jan. 16, 1925. Serial No. 2,912. 4 Claims. Cl. 238—39.)



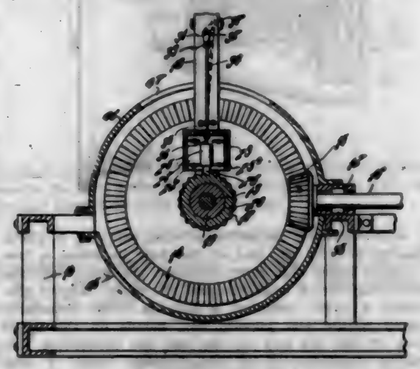
1. A rail tie comprising a pair of telescopically associated inverted substantially U-shaped sections, each of said sections having recessed inner end and complementary recessed portions adjacent its outer end adapted to respectively coact with each other upon inward relative shifting movement to embracingly clamp about the rail base flanges and capable of relative shifting movement in an outward direction to disengage and release the rails and means extending through the medial portion of said sections for retaining the same against relative outward shifting movement.

1,541,689. MEANS FOR DECREASING THE VISIBILITY OF THE WAKE OF AUTOMOBILE TORPEDOES. CLELAND DAVIS, Englewood Cliffs, N. J., assignor to National Torpedo Company, Augusta, Me., a Corporation of Maine. Filed Nov. 28, 1923. Serial No. 677,463. 1 Claim. (Cl. 114—20.)



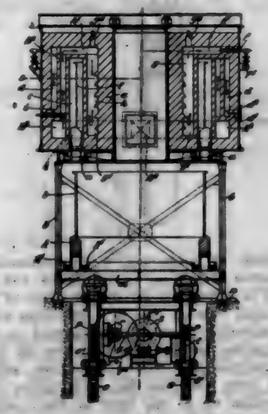
An attachment for automobile torpedoes propelled by compressed air or other gas, comprising an expansion chamber carried at the rear of the torpedo having a plurality of perforations in its outer walls, the said perforations being inclined outward and rearward to facilitate the exhaust, whereby the escaping air or gas is divided into a number of fine streams issuing in divergent directions.

1,541,690. POWER-DEVELOPING DEVICE. ALBERT H. DRAKE, West Valley, N. Y. Filed May 16, 1924. Serial No. 713,820. 2 Claims. (Cl. 74—54.)



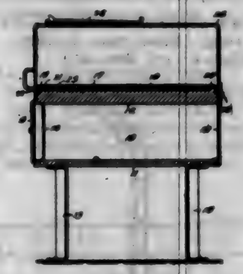
1. In a device of the character described, a frame, a shaft journaled therein, gears rotatable on said shaft, a driven gear between and meshing with both of said gears and mounted on a shaft, an oscillating lever pivoted on said shaft between the first named gears, ratchets carried by said first named gears, pawls on the lever cooperating with said ratchets, and means for adjusting the positions of said pawls to compensate for wear on the gears and ratchets.

1,541,691. FURNACE FOR HEATING HOLLOW CYLINDERS. ARTHUR MCDOUGALL DUCKHAM, London, England. Filed Apr. 16, 1923. Serial No. 632,475. 4 Claims. (Cl. 263—42.)



4. An annular muffle furnace, a framework carrying the furnace, an annular muffle chamber in the furnace, a ring constituting the bottom of the muffle chamber, rams on which the said ring rests, a truck adapted to pass between the rams and to carry the ring and means for operating the rams to lower the ring and to deposit it upon the truck.

1,541,692. KITCHEN FURNITURE. ROBERT B. ELLISON, Roebling, N. J., assignor of one-half to Lewis W. Williams, Roebling, N. J. Filed July 18, 1923, Serial No. 652,446. Renewed Apr. 22, 1925. 4 Claims. (Cl. 146—215.)

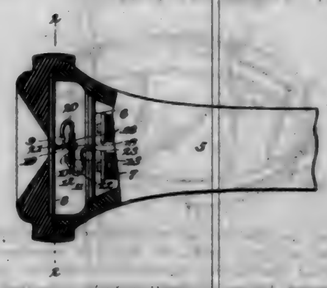


3. In kitchen furniture, a hollow cylindrical body having its top of reduced diameter provided with a concentric recess in its upper face, a resilient pad mounted within the recess, an annular element fitting up over the reduced upper end and having an inwardly projecting flange engaging the pad for retaining the same in the recess, securing means passing through the annular element and anchored in the body and a hinged cover fitting over the reduced upper end.

1,541,693. COATING COMPOSITION AND VARNISH REVIVER. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a Corporation of West Virginia. Filed Feb. 3, 1921, Serial No. 442,245. Renewed Nov. 19, 1924. 18 Claims. (Cl. 134—24.)

2. A composition adapted for use as a varnish reviver comprising chlorinated rubber, a solvent therefor and a resinous homogenising agent.

1,541,694. AMPLIFIER. GUSTAVE ENGLER, New York, N. Y. Filed Aug. 26, 1922. Serial No. 584,484. 8 Claims. (Cl. 179—108.)



1. A sound amplifier comprising a plurality of spaced diaphragms, and means for transferring pulsations from one of said diaphragms to the other of the diaphragms and for accelerating the action of the pulsations against the latter, said means including lever arms having operative connection with both diaphragms, and means for changing the relative lengths of said lever arms.

1,541,695. PIN TOOL. LA ROY E. FAUCHER and WILLIAM M. DIXON, Richmond, Calif. Filed July 25, 1924. Serial No. 728,235. 2 Claims. (Cl. 29—86.2.)



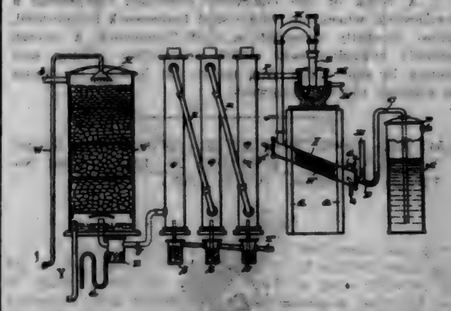
1. A tool of the character described including a pair of jaws adapted to be moved toward and away from each other, one of said jaws having notches in two of its adjacent edges, and a pair of prongs adapted to be received by said notches when the jaws are moved toward each other, each prong being tapered and slightly protruding forwardly of said jaw for the purposes specified.

1,541,696. BOOKBINDER. FRANCIS L. FISHER, San Francisco, Calif., assignor of one-half to William H. Smith, San Francisco, Calif. Filed Dec. 8, 1923. Serial No. 679,368. 10 Claims. (Cl. 129—12.)



1. In a book binder, the combination of a back, of posts secured thereto, a cover having two perforated stripe hinged in series thereto at one edge through one or both of which the posts may be passed, and means to secure said stripe together when the book is to be made permanent.

1,541,697. TREATMENT OF HYDROCARBONS. GEORGE FREDERICK FORWOOD and JOHN GILBERT TAPLAY, London, England, assignors to United Kingdom Oil Company Limited, London, England. Filed July 5, 1921. Serial No. 482,552. 5 Claims. (Cl. 196—58.)



1. The process of treating hydrocarbon oils, having boiling points of 140° C. or more to obtain an oil or spirit suitable as motor fuel, consisting in atomising the oil in a retort, mixing the same with water vapor or steam passed into said retort from a different direction to that at which said oil is introduced, passing the mixture over carbon in a light porous form maintained at a temperature varying from 550° C. to 950° C. according to the boiling point of the oil, the vapor of which is being treated.

1,541,698. GATE. MATHEW H. FRANK, Stockett, Mont. Filed Sept. 28, 1922. Serial No. 591,151. 1 Claim. (Cl. 39—66.)

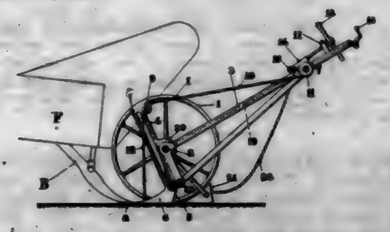


A device of the class described comprising a plurality of upright posts, a track having inclined portions mounted near the top of the posts, the highest point of said track being arranged intermediate adjacent posts, stop means made integral with the track and arranged above the same near its ends and intermediate its ends, a frame movably mounted on the track, a gate associated with the frame and cable means connected to the gate to move the frame along the track to a predetermined point, where it will be moved direct away by gravity.

1,541,699. ALKALINE ACCUMULATOR. FRANCIS ARTHUR FREETH and LESLIE ALEXANDER MUNRO, Hartford, England. Filed Oct. 2, 1922. Serial No. 591,921. 1 Claim. (Cl. 136—29.)

In a battery, the combination of electrodes of nickel and iron with an alkaline solution of sodium silicate containing a large excess of soda.

1,541,700. TRUCK FOR USE IN MANEUVERING AIRCRAFT. JEAN GALLAND, Boulogne-sur-Seine, France. Filed Dec. 11, 1924. Serial No. 755,312. 6 Claims. (Cl. 214—66.)



1. A truck of the character described comprising a framework, wheels on which said framework is mounted, slides pivotally mounted in said framework, a trough slidably engaging said slides, means for raising said trough in said slides, and means for locking the slides in relation to the framework.

1,541,701. HOSE SUPPORTER. MARTIN FOX GAUNT, New York, N. Y. Filed July 29, 1924. Serial No. 728,966. 8 Claims. (Cl. 24—245.)



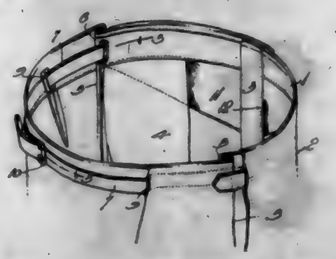
1. A hose supporter, comprising a body formed with a bar spaced from the body, an encircling member provided with a looped end adapted to be slipped over said bar, said body being provided with a plurality of spaced slots and arranged to receive the free end of said encircling member which is fitted into said slots so as to assume a serpentine structure, and means projecting from the lower end of the body for connecting the hose to the body.

1,541,702. LAWN SPRINKLER. GEORGE GEISENDORFER, Warrenton, Oreg. Filed Sept. 1, 1922. Serial No. 585,760. 3 Claims. (Cl. 299—67.)



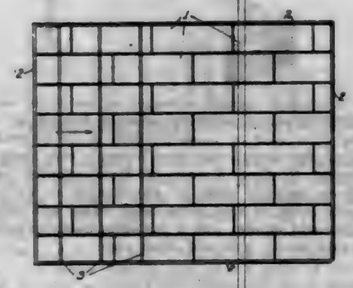
1. A lawn sprinkler of the character described comprising a tubular base section having a fluid inlet for attachment to a source of supply and means for removably attaching a supporting leg, a plurality of tubular sections supported by said base section, including a stationary section and a rotatable section swiveled thereon, a sleeve surrounding the jointure of said stationary and rotatable sections, and a clamping element having a substantially U-shaped arm adapted to fit over said sleeve and adjustable clamping bands at each end of said arm for attachment to the stationary and rotatable sections respectively whereby the rotation of said rotatable section is controlled.

1,541,703. ADJUSTABLE WAISTED AND ABDOMEN-SUPPORTING GARMENT. FRANK W. GERLACH, Kenton, Ohio. Filed Apr. 7, 1924. Serial No. 704,832. 1 Claim. (Cl. 2—237.)



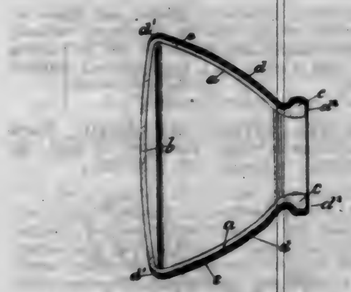
A garment having a waist-encircling portion and a hip-encircling portion, loops secured to the sides of the waist-encircling portion of the garment to lie substantially over the hips, straps secured at one of their ends to said waist-encircling portion in rear of said loops, said straps being carried forwardly to and through said loops and then rearwardly around the rear part of said waist-encircling portion, means for adjustably coupling the other ends of said straps together, and abdomen-supporting strips disposed inside of the front part of said waist and hip-encircling portions, said strips being secured at their rear ends to the sides of said waist-encircling portion at substantially the points where said straps are secured to the same, and at their front ends to the front of said waist and hip-encircling portion, whereby tightening of said straps will draw said waist-encircling portion tight around the waist and also draw upon said abdomen-supporting strips.

1,541,704. SEMICONDUCTING COLLECTING ELECTRODE FOR ELECTRICAL PRECIPITATORS. JAKOBUS GIES, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif., a Corporation of California. Filed Jan. 8, 1924. Serial No. 685,068. 5 Claims. (Cl. 183—7.)



1. A collecting electrode for electrical precipitators consisting of a plurality of sections, each section consisting wholly of molded semi-conducting material in the form of a plate section and said sections being supported in contact with one another.

1,541,705. LAMP SUITABLE FOR USE ON VEHICLES. CLAUDE E. GOODYEAR, Kidderminster, England. Filed Sept. 3, 1924. Serial No. 735,807. 1 Claim. (Cl. 240—41.)



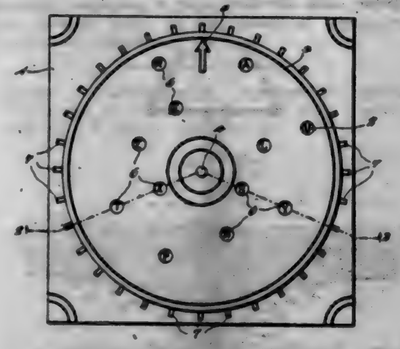
A reflecting lamp body for use on vehicles, said body being composed of glass or other frangible and substantially transparent material and having an integral closed front and further provided on its exterior surface with a coating of reflecting material, and also provided with a splinter confining armor coating applied exteriorly of said reflecting coating by deposition, said armor coating terminating in a flange which extends inwardly and around the front to serve as an abutment to prevent rearward derangement of the armor coating and being also extended inwardly at the rear in order to anchor the armor coating in relation to the lamp body and prevent forward derangement of said coating.

1,541,706. HEADLIGHT LENS. EDWARD GEORGE HAMBURG, Philadelphia, Pa. Filed Dec. 26, 1924. Serial No. 758,234. 4 Claims. (Cl. 240—4.94.)



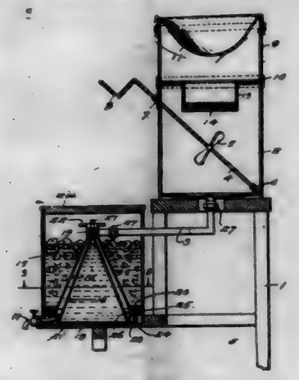
4. A lens comprising a plurality of transversely extending arcuate sections, the alternate sections being transparent and the sections between the alternate sections being opaque, and a relatively small eccentrically disposed lens in said first named lens, and of a color in direct contrast to the color of the first named lens.

1,541,707. GAME. FRANK G. HANBACK, Allegany, N. Y. Filed Sept. 24, 1923. Serial No. 664,585. 2 Claims. (Cl. 273—142.)



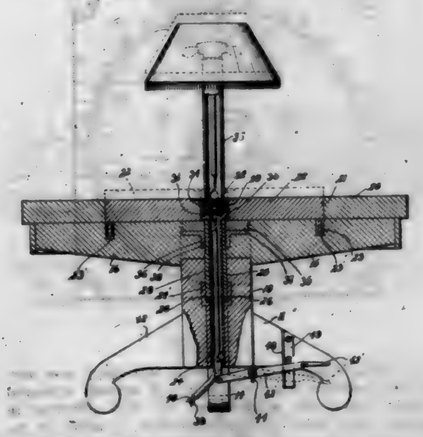
2. A game comprising a relatively stationary base having on its opposite faces a plurality of symbols arranged in radial rows, the symbols on one face differing in character from those on the other face, a series of radial stopping points on said opposite faces of the base, one of said points being disposed at the end of each radial row of characters, a removable pivot pin secured in said base, a disc mounted for rotation on said pin and spaced a slight distance from said base, said disc having apertures formed therein at predetermined points and through which the characters on said base are exposed and an arrow arranged on said disc to cooperate with the stopping points on said base for aligning said apertures with said symbols.

1,541,708. MILK COOLER. FOSTER HARNESS, Oilton, Okla. Filed Mar. 8, 1924. Serial No. 697,822. 2 Claims. (Cl. 257—201.)



1. A cooler of the class described having inner and outer shells providing a space between them through which the material to be cooled is adapted to pass, the inner shell being substantially conical and at its base extending outwardly and upwardly to provide first and second flanges, a gasket seated on the first flange, the second flange extending above said gasket, the outer shell resting on said gasket and being surrounded by the second flange, a screw-threaded stem at the apex of the inner shell, a nut threaded on said stem and engaging the adjacent end of the outer shell, and means to bring a refrigerant into contact with the outer shell.

1,541,709. TABLE. THOMAS J. HICKMAN, St. Cloud, Fla. Filed Oct. 13, 1923. Serial No. 668,408. 2 Claims. (Cl. 45—31.)



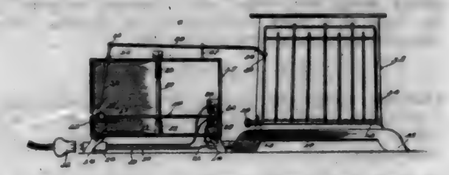
1. In a table, a pedestal, a top mounted on the pedestal and having a central opening, a rotatable element, increasing the available surface of the top, a tubular device passing through the pedestal and mounting the rotatable element, a spindle for guiding the tubular device, a second tubular device engaging that first named and constituting a bearing therefor, and foot operated means for moving said tubular devices and rotatable element upwardly.

1,541,710. BRUSH HANDLE. MALCOLM W. HILL, Baltimore, Md. Filed Sept. 11, 1922, Serial No. 587,470 Renewed May 5, 1925. 2 Claims. (Cl. 15—143.)



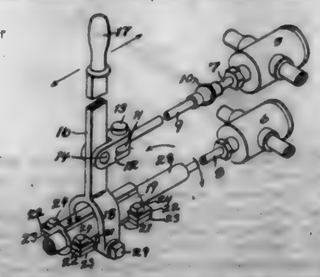
1. In a brush, a handle arranged at an angle to the base of the brush, a securing member formed of wire consisting of a pair of loops adapted to be secured to the base of the brush, the wire forming said loops being extended to form a pair of arms adapted to be arranged on opposite sides of the handle at an angle thereto, the ends of said arms being offset and extending toward said handle, and a fastening member passing through said handle and said offset ends.

1,541,711. ELECTRIC TOASTER. GEORGE E. V. HITZROTH, Hamilton, Ontario, Canada. Filed July 16, 1923. Serial No. 651,898. 4 Claims. (Cl. 161—16.)



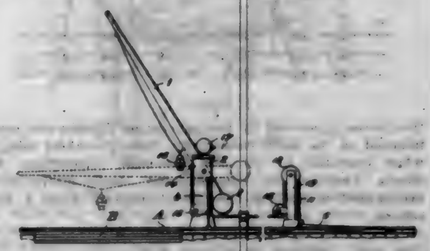
3. In combination, an electric toaster, and means actuated by current flowing through the toaster whereby an object being toasted may be moved out of toasting relation with said toaster at a predetermined moment.

1,541,712. POWER-CONTROL MECHANISM. FLOYD C. HORN, Los Angeles, Calif. Filed Feb. 17, 1923. Serial No. 619,688. 1 Claim. (Cl. 137—144.)



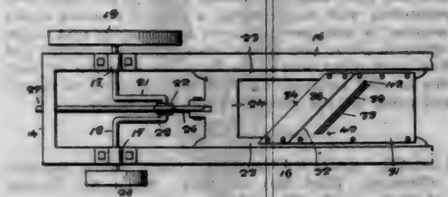
In a device of the character described, a lever, said lever having a bifurcated extremity, a collar secured within said bifurcated extremity and pivoted thereto, a shaft extending through said collar and means for holding said shaft against rotation with respect to said collar, a plurality of valves adapted to control a power medium, a stem extending from each of said valves one of said stems being connected to said shaft so as to be rotated thereby, the other of said stems being connected to said lever, at a point above its pivotal connection with said collar and adapted to be reciprocated by said lever.

1,541,713. CROSSING PROTECTOR. JASPER EDISON HORNER and GEORGE BARNARD WOLF, Toledo, Ohio. Filed May 16, 1924. Serial No. 713,797. 1 Claim. (Cl. 246—293.)



Railroad crossing protecting means comprising gates, weighted means for holding the gates in raised position, a spring pressed latch member having its upper end adapted to pass under the weighted end of a gate when the gate is lowered to prevent the weight from opening the gate again, the other end of the latch member extending to a point close to one of the rails of the track so that it will be struck and depressed by a wheel of the train which moves the latch member to releasing position, a pedal lever adjacent the track adapted to be depressed by the passage of a train over the same, a system of levers actuated by the pedal lever, flexible means for connecting the system to the gates and guiding means for the flexible means.

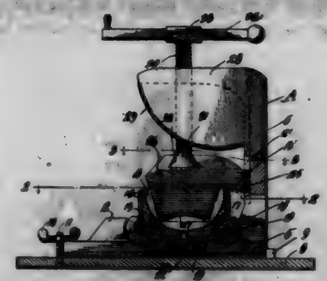
1,541,714. BATTERY-SEPARATOR-PLATE MACHINE. WILLIAM M. HUMBERT, Marshfield, Oreg. Filed Dec. 22, 1923. Serial No. 682,313. 6 Claims. (Cl. 144—12).



1. In a machine of the character described, a supporting frame including an inclined guide way, an abutment member located transversely of and mounted upon the guide way and adapted to support a block of wood, a frame longitudinally movably mounted within the guide way, means for reciprocating the frame, a plate mounted on and forming part of the frame, said plate being formed with a diagonal slot, a diagonally arranged blade parallel with and mounted above the plate adapted to cut through a block of wood for forming a slice at the lower side thereof, and a second blade mounted within said slot and having a toothed edge projecting therabove for grooving the under side of the slice.

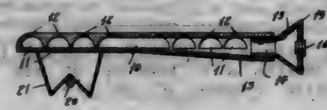
1,541,715. VISE. BEN M. JOHNSON, Chicago, Ill. Filed May 20, 1924. Serial No. 714,717. 1 Claim. (Cl. 81—16.)

In a vise, a base, an upstanding post formed on the base, a head formed on the outer end of the post arranged in spaced parallel relation to the base, a jaw, a dovetail-shaped guide head formed on one side of the jaw, a dovetail-shaped guideway formed on the inner face of the post receiving the said dovetail-shaped guide head, an operating screw carried by the head formed on the post, a handle for operating the screw, means detachably



associating the inner end of the screw with the jaw, an inner jaw including a pair of sections, means pivotally securing the sections intermediate their ends to the base, and springs engaging the meeting ends of the sections of the inner jaw for normally holding the same in a raised position relative to the base.

1,541,716. GAS BURNER. ERVIN J. JOHNSON, Kankakee, Ill. Filed Apr. 3, 1924. Serial No. 704,024. 1 Claim. (Cl. 158—99.)



A cast metal gas burner provided with a plurality of concentric chambers, the sides of which slope upwardly and have outlets in the top, and a radial fuel-supply passage in communication with the several chambers and gradually increasing in depth from the center outwardly, said passages being the sole means of communication between the chambers.

1,541,717. BLACKBOARD. EVERETT H. KEICHUM, Jamestown, N. Y. Filed Nov. 20, 1922. Serial No. 602,044. 2 Claims. (Cl. 45—89.)

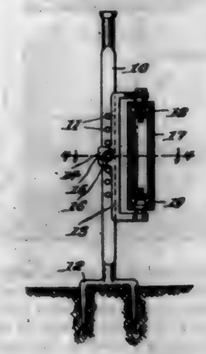


1. A combination desk and blackboard comprising legs, a deskboard pivotally mounted upon said legs, a cross bar connecting said legs above said desk board, a plate secured to the back of said legs and said bar the lower edge of said plate extending below said cross bar and a pocket carried by said plate below said bar and above said desk board accessible in all positions of said board.

1,541,718. BELT GUIDE. ELMER A. KILMER, Hiram, Ohio. Filed Oct. 18, 1924. Serial No. 744,449. 1 Claim. (Cl. 74—51.)

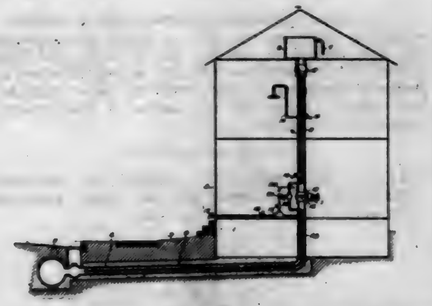
A device of the character described comprising a standard having a vertical series of spaced openings, a pair of spaced parallel prongs depending from the lower end of the standard, forming an integral part thereof, and

adapted to be driven into the ground, a substantially U-shaped member arranged vertically with relation to the standard, an apertured lug projecting from the intermediate portion of the said U-shaped member, and adapted to be attached to the standard, a fastening element adapted to be passed through said lug and any one



of said openings of the standard, whereby the said U-shaped member is capable of adjustment on said standard, a roller journalled between the parallel extremities of the U-shaped member, ball bearings for said roller and means for adjusting all of said bearings to compensate for wear.

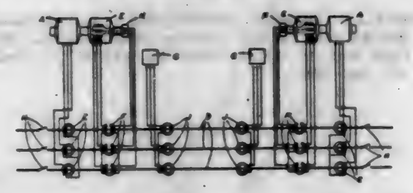
1,541,719. WATER FLOW SYSTEM. HONORÉ LACOURCIÈRE, Brooklyn, N. Y. Filed Sept. 27, 1923. Serial No. 665,185. 3 Claims. (Cl. 137—79.)



1. A water system to be disposed between a dwelling house and the watermain in the street, which includes a service pipe of substantial diameter extending from the main into the house and to a point near the top of the house, a tank to which the upper end of said service pipe is connected, a high pressure valve in said service pipe, and an auxiliary pipe disposed within the service pipe, said auxiliary pipe being open always to a definite degree to permit a definite flow of water therethrough independently of the condition of the high pressure valve in the service pipe.

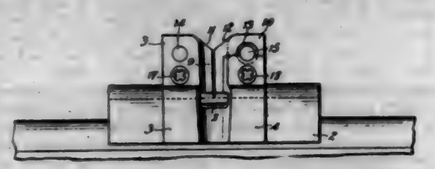
1,541,720. PROTECTIVE ARRANGEMENT FOR ALTERNATING ELECTRIC CURRENT SYSTEMS. BRUCE HAMER LESSON, Tynemouth, and REGINALD WILLIAM BILES, Balcombe, England, assignors to Electrical Improvements Limited, Newcastle-upon-Tyne, England, a British Company. Filed Oct. 22, 1923. Serial No. 670,150. 7 Claims. (Cl. 175—294.)

1. In a protective arrangement for an alternating electric current system the combination with the conductors of the system to be protected, of devices for generating electro-motive-forces having a frequency different from that of the main supply, means for supplying power from the main conductors to the generating devices whereby the frequency of the electro-motive-forces generated bears a definite synchronous relation to that of the main supply, means whereby the electro-mo-



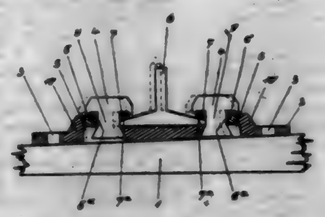
tive-forces generated by the generating devices are superimposed on the main conductors, circuit-breakers adapted when operated to cut out the main conductors, and means whereby the superimposed electro-motive-forces are caused to operate the circuit-breakers when a fault occurs.

1,541,721. TRAVERSE GUIDE AND THREAD CLEANER. DAVID LEWIS, Scranton, Pa. Filed May 20, 1924. Serial No. 714,647. 4 Claims. (Cl. 28—70.)



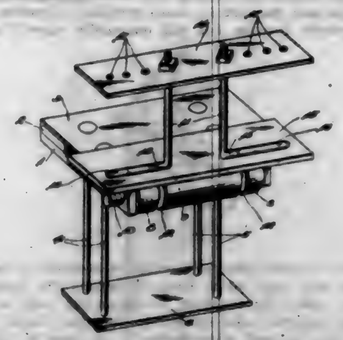
1. A thread guide for spooling and winding machines, comprising a body adapted to fit on the traverse bar of the machine, said body having a pair of spaced upstanding members, said members being bifurcated, the opening between said members extending downwardly into said body, said body having a slot in the upper part registering with said opening, a pair of cleaning blades mounted in said opening, means for clamping said blades rigidly in place, said blades being adjustable toward and from each other, and a porcelain bar arranged on each side of said body and in such a position as to receive and guide the silk passed between said blades.

1,541,722. RAIL FASTENING. OTTO LIEBER, Dresden, Germany. Filed July 29, 1924. Serial No. 728,884. 1 Claim. (Cl. 238—345.)



Rail fastenings characterized by a tie plate provided with openings, double-headed hooks in said openings, and keys cooperating with the hooks to take up the vertical and horizontal forces, the said keys being driven between the upper heads of the hooks and the base of the rail and between the stem of the hooks and one shoulder of the plate.

1,541,723. HINGE. THOMAS L. LILLY, Minonk, Ill. Filed Sept. 16, 1922. Serial No. 588,677. 4 Claims. (Cl. 298—17.)



1. In a device as set forth, supporting plates, means for adjustably connecting said supporting plates to the frame of a vehicle chassis, a pintle bolt supported by said plates, hinge bolts adjustably mounted upon said pintle bolt, means for preventing accidental adjustment of said hinge bolt along said pintle bolt, a clamping plate resting upon said first named plates and provided with slots through which said hinge bolts extend, and a second clamping plate adjustably mounted upon said hinge bolts.

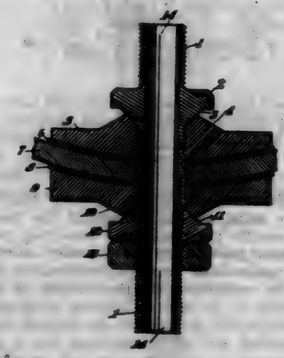
1,541,724. FISHING FLOAT. ROBERT C. MCELEAR, Dallas, Tex., assignor of one-half to Thomas A. Waggoner, Dallas, Tex. Filed Aug. 7, 1923. Serial No. 656,291. 3 Claims. (Cl. 43—49.)



1. In a fishing float, or the like, a housing, a cover for said housing, a bulb, a bulb socket, a battery, a tube of non-conductible material conductible liquid means within the tube, a cylindrical means of hollow construction within the tube above the liquid means, connecting means from the liquid means to the battery thence to the bulb, connecting means from the bulb socket to the cylindrical means, said liquid means making contact with said cylindrical means and said battery connecting means, to flash the bulb when the float is suddenly actuated vertically or actuated to other than a vertical position.

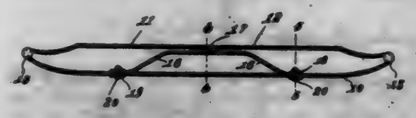
1,541,725. ADJUSTABLE TANK CONNECTION. JAMES NELSON MARTIN, Barnsdall, Okla. Filed Feb. 23, 1923, Serial No. 620,740. Renewed Dec. 5, 1924. 4 Claims. (Cl. 285—30.)

1. An adjustable tank connection or flange as described, comprising a hollow pipe helically threaded externally, having a hexagonally headed nut permanently attached thereto a short distance from the end of said pipe inside the tank, the portion nearest the wall of the tank conically shaped, said cone fitting into a round disc or flange bevelled from the outer edge to a hole in the center surrounding said pipe, a gasket of fibre or other suitable material inside the wall penetrated, another like gasket



outside said wall, another disc or flange bevelled oppositely said first one, a hexagonally headed nut helically threaded having one side conical in form fitting into said last described bevelled flange, securely tightening all of said parts on said outwardly threaded pipe, and a hexagonal helically threaded lock-nut to hold said parts in place.

1,541,726. BUMPER. WILLIAM P. MARTIN, Monongahela, Pa. Filed Aug. 2, 1924. Serial No. 729,822. 4 Claims. (Cl. 293—53.)



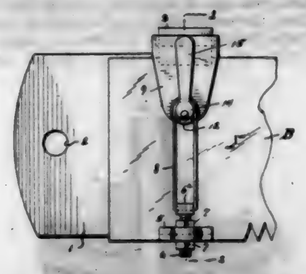
1. A bumper of the character described comprising spaced upper and lower bars, and an intermediate sectional bar arranged rearwardly of the first mentioned bars, means connecting the corresponding outer extremities of all of said bars, means for connecting the respective sections of the intermediate bar together, and means connecting the inner extremities of said sections with said spaced bars.

1,541,727. PIPE COVER. CHARLES H. MEYER, San Francisco, Calif. Filed May 29, 1922. Serial No. 564,425. 1 Claim. (Cl. 131—12.)



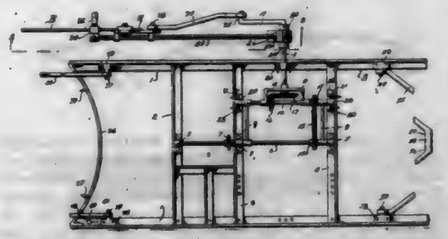
A pipe covering adapted to be positioned on the bowl of a pipe, said cover being made of rubberized, foldable material and embodying in its construction a cap, a sleeve secured at one extremity to said cap and terminating at its opposite extremity in a bead.

1,541,728. SAW HEAD. KENNEY F. MILES, Portland, Oreg. Filed May 9, 1924. Serial No. 710,875. 8 Claims. (Cl. 143—156.)



1. In combination with a saw blade, a head therefor comprising a plate, an end portion of the blade being adapted to overlie the plate, said overlying portion of the blade being provided in its opposite margins with recesses, an outstanding bracket carried by the plate and adapted to be received within the recesses of the blade when the blade is in applied position with respect to the head, the plate of the head at the opposite side thereof being provided with an outstanding lug, a plate disposed transversely of the first plate and provided at its outer end with a depending flange adapted to be received within the second recess of the blade, said flange having a depending loop through which the lug is freely disposed to permit said second plate to have movement toward or from the first named plate and to an extent to free the flange carried by said second plate from the adjacent recess in the plate, and coacting means carried by the bracket and second plate for moving said second plate inwardly of the first plate.

1,541,729. DRAG SAW. KENNEY F. MILES, Portland, Oreg. Filed May 10, 1924. Serial No. 712,290. 7 Claims. (Cl. 143—68.)



1. A saw machine of the class described comprising a supporting structure, a driven shaft carried thereby, a second shaft angularly related to the first named shaft, means for supporting said second named shaft for swinging movement about the first named shaft as an axis, an operative connection between both of the shafts, guiding means carried by the second shaft, a saw head slidably engaged with said guiding means, an operative connection between the saw head and the second shaft, a movable member engaged with the supporting structure for swinging movement about an axis transverse to that of the first named swinging movement, and a bearing carried by said movable member and engageable with the second shaft to hold said second shaft in one position.

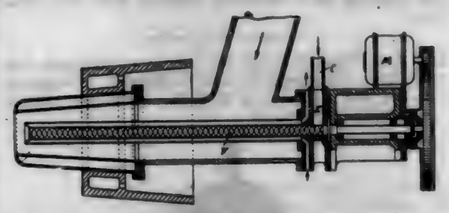
1,541,730. FORK. JUSTUS MISENER, Bay City, Mich. Filed Oct. 24, 1923. Serial No. 670,523. 1 Claim. (Cl. 294—105.)

A hay fork having its head formed with a rearwardly extending tongue and its ends formed with rearwardly extending ears, a stem having a bifurcated end receiving the tongue, a pivot connecting the stem with the tongue, a spring influenced dog carried by the stem engageable with the tongue for holding the latter in alignment with the stem and the fork in closed position, a flexible releasing element for the dog, an outwardly curved member



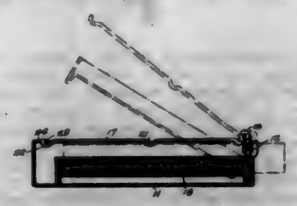
having a forked inner end which is secured to the sides of the stem and which projects beyond the outer face of the frame for the fork, a supporting rope attached to said member, and oppositely rounded plates having their ends secured respectively to the ends of the mentioned member and to the ears of the fork head.

1,541,731. TREATMENT OF ORE IN BLAST FURNACES. CLAUDE MUGUET, Paris, France, assignor to Société Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Filed Sept. 28, 1923. Serial No. 665,419. 6 Claims. (Cl. 266—28.)



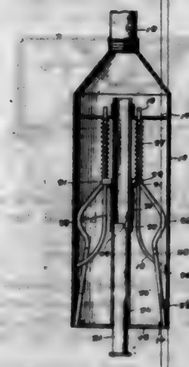
1. A process of treatment of iron ore in blast furnaces, which consists in injecting into the blast furnace, at the level of the blast nozzles, powdered fuel which is entirely consumed to carbon dioxide, and adding to the charges of ore introduced into the furnace a quantity of coke which is necessary to insure the permeability of the charges to the gases and the reduction to carbon monoxide of the total amount of carbon dioxide produced by the combustion of the said powdered fuel.

1,541,732. COMBINED HOLDER AND ASH TRAY. JOSEPH NAGY, New York, N. Y. Filed Dec. 20, 1923. Serial No. 681,812. 4 Claims. (Cl. 131—51.)



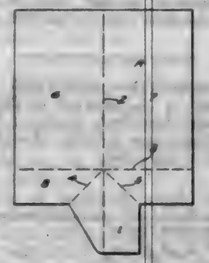
4. In a device of the class described, a receptacle having oppositely disposed gripping fingers extending from one end thereof and capable of engagement with a holder, a tray formed of wire mesh supported in said receptacle and having its major portion spaced from said receptacle to provide an air space about said tray, and a supporting member secured to said tray and having its extremities bent to provide pivots engageable with the receptacle to pivotally support the tray therein.

1,541,733. TOOL. THOMAS H. NELSON, Coalinga, Calif. Filed Nov. 25, 1924. Serial No. 752,240. 4 Claims. (Cl. 294—110.)



1. A well fishing tool comprising a casing, a centrally located longitudinally disposed guide within the casing, downwardly and laterally disposed guides within the casing around the central guide, hooks normally disposed within the casing, means for slidingly connecting the hooks and guides, spring means for forcing the hooks longitudinally without the casing, means for forcing the outer ends of the hooks inward toward one another during their longitudinal movement, means for holding the hooks against longitudinal outward movement and means for automatically releasing the hook holding means.

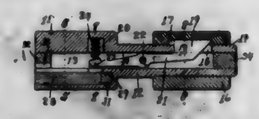
1,541,734. PAPER FOLD. STANLEY NOWAK, New York, N. Y., assignor of one-half to Hyman L. Roth, Brooklyn, N. Y. Filed Dec. 18, 1924. Serial No. 756,784. 1 Claim. (Cl. 46—87.)



A paper fold, comprising a blank having an extension at one end and having a single longitudinal and a single transverse fold line intersecting each other, and forming a point of juncture at the crossing of said lines, the longitudinal fold line extending through the extension, and diagonal fold lines extending from the point of juncture of the longitudinal and transverse fold lines to the edge of the blank at the point of juncture of the edges of the extension with the main portion of the sheet substantially as and for the purpose stated.

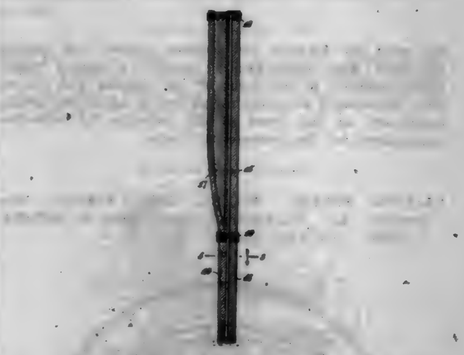
1,541,735. LOCKING DEVICE. JOHN E. OSBORN, Taft, Calif. Filed Mar. 7, 1924. Serial No. 697,581. 1 Claim. (Cl. 70—17.)

In a device of the character described, a head, an extension formed integral therewith, a central bore extending through said head and said extension, said extension having a slot formed therein and communicating with said bore, a dog pivotally mounted in said bore, said dog having an enlarged end extending through said slot, the opposite end of said dog having a spring in contact therewith so as to force said enlarged end through said slot, a retainer adapted to threadedly engage said extension, said retainer having a slot formed



therein and adapted to be engaged by the head of said dog, a rotatable key guide positioned in said head, and a key adapted to be inserted in said guide so as to pass beneath said dog for the purpose of counter-acting the action of said spring when the head of said dog is to be withdrawn from the slot in said retainer.

1,541,736. SHAFT FOR POLO MALLETS AND THE LIKE. HENRY C. OVERIN, Weehawken, N. J. Filed Sept. 8, 1923. Serial No. 661,611. 2 Claims. (Cl. 273—67.)



1. A shaft for polo mallets and the like, comprising two members secured together and having a metallic rod interposed between them, a block inserted in one member at the handle end thereof, whereby an enlargement on one side of the handle end will be formed, a wrapping about said handle end, and braiding applied to the shaft.

1,541,737. RAILWAY-GATE-OPERATING DEVICE. ANDREW PETERSON, Brooklyn, N. Y. Filed Apr. 19, 1924. Serial No. 707,711. 1 Claim. (Cl. 246—293.)

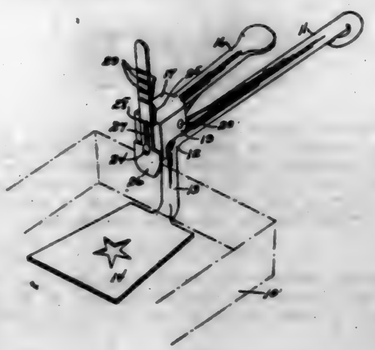


An automatic railway gate operating device having a series of pivoting levers said series of levers being coacting and so spaced that a train in passing will substantially at all times engage one of said levers.

1,541,738. LIFTER. WILLIAM W. PEYTON, Carlisle, Ark. Filed Jan. 19, 1925. Serial No. 3,459. 2 Claims. (Cl. 294—29.)

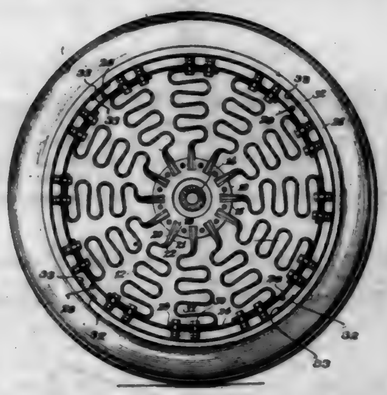
1. A lifter of the character described comprising a pair of pivotally associated handle members, retractile means interposed between the inner sides of the handle

members for returning the same to their normal positions, a lower handle member being substantially offset and providing a downwardly and outwardly inclined portion, a substantially flat reduced portion extending from the lower end thereof and in a plane parallel with that of the handle, an upper handle including a hous-



ing upon the forward end portion thereof, and having its front wall substantially beveled, a spring finger rigidly secured to the front of the housing and spaced from the beveled wall, and reciprocating adjustable means positioned on the front of the housing for selective engagement for the purpose set forth.

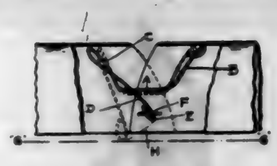
1,541,739. SPRING WHEEL. KARL PIESCH, New Orleans, La. Filed Mar. 7, 1924. Serial No. 697,605. 1 Claim. (Cl. 152—50.)



In a spring wheel, a hub having a ring element formed with transverse dove-tail grooves at the periphery, a rim, radially disposed springs between said hub and rim, said springs having zig-zag bends and the spring inward of the innermost bend having a plurality of laminations, one of which laminations follows the line of the adjacent bends of the springs.

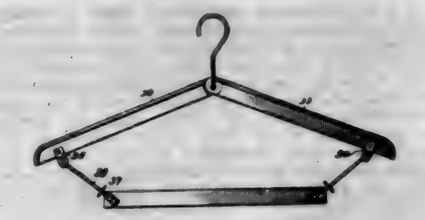
1,541,740. NECKTIE-TYING DEVICE. GEORGE PONAMOUSE, San Francisco, Calif. Filed June 29, 1922. Serial No. 571,703. 1 Claim. (Cl. 24—56.)

A fastener of the character described formed from a single strand of wire bent to provide a horizontal portion, converging side pieces rising from the horizontal portion, an arm extending downwardly from one of the side pieces in spaced parallel relation therewith and



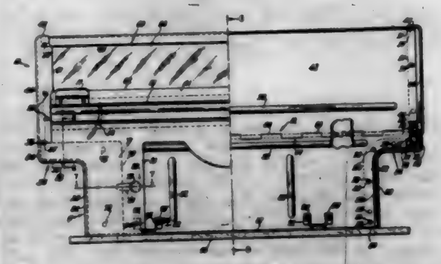
terminating below the horizontal portion in a loop adapted to receive a collar button as and for the purpose specified.

1,541,741. GARMENT HANGER. JOSEPH A. SHOEMAKER, Brooklyn, N. Y. Original application filed Apr. 22, 1921, Serial No. 463,452. Divided and this application filed Jan. 7, 1922. Serial No. 527,580½. 3 Claims. (Cl. 211—13.)



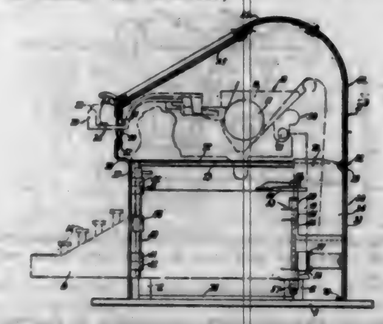
1. A garment hanger including a pair of pivoted bars, a pair of suspended links attached to the outer end of the bars and movable to either side thereof, a pair of clamping bars connected to the opposite ends of the links, said pivoted bars and clamping bars being adapted for relative movement so that they lie in parallelism and contiguous to each other when the hanger is collapsed.

1,541,742. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 4, 1921. Serial No. 475,061. 22 Claims. (Cl. 197—186.)



1. In a casing for a typewriting machine, the combination of a body part and a cover therefor, the body part comprising overhanging lateral extensions and a releasable front plate having rearward projections to engage under the lateral extensions and assist in supporting the latter, the cover being supported on the ends of the lateral extensions and forming therewith extensions of the casing to accommodate the travel of the carriage.

1,541,743. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 11, 1921. Serial No. 476,765. 18 Claims. (Cl. 197—186.)



1. A sound-deadening casing for a typewriting machine having a carriage, said casing comprising a body-part having lateral overhangs to accommodate the travel of the carriage, and a cover extending from end to end of said overhangs and hinged to the body-part to swing from closed position to permit access to the work, said body-part being collapsible to permit it to be swung about the hinge into the cover when the casing is not in use.

1,541,744. MEDICINAL TABLET. BRUCE K. WIBEMAN, Indianapolis, Ind., assignor to Eli Lilly and Company, Indianapolis, Ind., a Corporation of Indiana. Filed Feb. 18, 1924. Serial No. 693,506. 8 Claims. (Cl. 167—7.)

8. A medicinal tablet, comprising a mixture of a desired drug with a form of lactose containing less water than that represented by one molecule of water of crystallization.

9. A medicinal tablet having its body portion comprised of an anhydride of milk sugar to facilitate the increased solubility of the same.

1,541,745. MANUFACTURE OF STEEL. CHARLES CUMINGS, Chicago, Ill., assignor to Commercial Steel Company, a Corporation of Illinois. Continuation of application Serial No. 282,579, filed Mar. 12, 1919. This application filed Dec. 23, 1919. Serial No. 347,004. 30 Claims. (Cl. 75—4.)

1. The process of preparing metal which comprises subjecting a molten bath of the metal to an agitation in the nature of a sudden shock of sufficient intensity to produce a substantial improvement in the tensile strength and other physical properties of the finished product.

1,541,746. MANUFACTURE OF STEEL. ALBERT H. ACKERMAN, Chicago, Ill., assignor to Commercial Steel Company, a Corporation of Illinois. Filed Dec. 23, 1919. Serial No. 346,976. 13 Claims. (Cl. 75—27.)

1. The process of preparing metal which comprises subjecting a molten bath of the metal to a series of agitations in the nature of sudden shocks, said shocks being of sufficient intensity so that their combined effect may produce a substantial improvement in the tensile strength and other physical properties of the finished product.

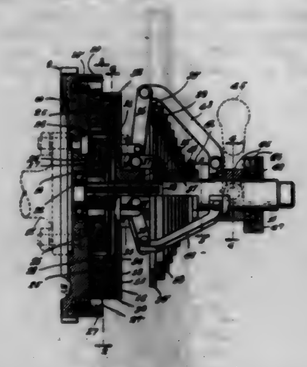
1,541,747. FENCEPOST. RICHARD B. BEVERLEY, Hebardsville, Ga.; Julia Beverley administratrix of said Richard B. Beverley, deceased. Filed Mar. 26, 1924. Serial No. 701,927. 1 Claim. (Cl. 256—53.)

A fence post of concrete construction, rectangular in cross section and hollow at its center, and having a plurality of aligned and spaced lugs along one face thereof, the said lugs being formed with vertically aligned tie-rod holes; main reinforcing wires embodied in the corners of the post; lug reinforcing wires tied to the main



reinforcing wires and looped out through the several lugs; and a tie-rod to slidingly engage the said tie-rod holes, the tie-rod being long enough to extend into the ground.

1,541,748. CLUTCH. LATTA O. DAVIS, Indianapolis, Ind., assignor to William M. Fogarty, trustee, Indianapolis, Ind. Filed May 9, 1923. Serial No. 637,798. 5 Claims. (Cl. 192—55.)



1. In combination, a clutch having a plurality of engageable and disengageable members, a member co-axial with said clutch, and a plurality of inter-coiled spiral springs between one of said clutch members and said co-axial member, the outer ends of said springs being connected to one and the inner ends to the other of the two members connected by said springs, the outer end of each spring being formed into an eye, and a pin projecting through each eye into the part to which such outer end is connected to provide a pivotal mounting for such outer end, the part connected to said outer spring-ends being provided with a rim which peripherally overhangs said springs, and said rim being cut away where the eyes in the outer ends of the springs are located to provide gaps of sufficient width to receive such eyes and permit their turning therein.

1,541,749. METHOD OF MAKING BARRELS. JOSEPH M. HOMMEL, Detroit, Mich. Filed Feb. 12, 1923. Serial No. 618,717. 16 Claims. (Cl. 217—9.)

1. In a package, staves extending longitudinally to the axis thereof, there being a spiral groove formed in

the outer surface of the staves, and a metal band or strip of substantially V shaped form in cross section



seated in the groove and flattened to force the edges of the strip into the walls of the groove.

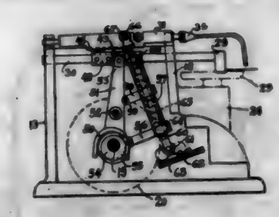
1,541,750. TIRE GAUGE. ABRAHAM G. PARK, Baltimore, Md. Filed Oct. 1, 1924. Serial No. 741,002. 3 Claims. (Cl. 73—11.)



1. A gauge of the class described comprising a casing, a tubular member mounted therein having both ends open, an inflatable member arranged within the tubular member and having its lower end open and its upper end closed, means for holding the inflatable member in position, such means being perforated to admit pressure to the inflatable member, a second tubular member enclosing the first mentioned tubular member and having its end closed and covering the closed end of the inflatable member, a spring within the casing for resisting movement of the second mentioned tubular member and indicating means associated with said second member.

1,541,751. FUR-SEWING MACHINE. HARRY ROSS, Brooklyn, N. Y., assignor of one-half to Louis Spire, New York, N. Y. Filed Dec. 19, 1923. Serial No. 681,485. 8 Claims. (Cl. 112—16.)

1. A fur sewing machine comprising a looper, a looper bar in which the looper is held, a drive shaft, an eccentric on said drive shaft, a cam, a pivoted member having its lower end connected to and operated by said eccentric and its upper end connected to the looper bar whereby the latter is advanced and retracted, and an



operating plunger in the pivoted member, the lower end of which rides over said cam to raise and lower said looper bar.

1,541,752. GARAGE LIGHT. ARCHIBALD T. SAMPSON, Lynn, Mass., assignor to Sampson Axcess System, Inc., Lynn, Mass., a Corporation of Massachusetts. Filed Apr. 7, 1923. Serial No. 630,474. 1 Claim. (Cl. 240—81.)

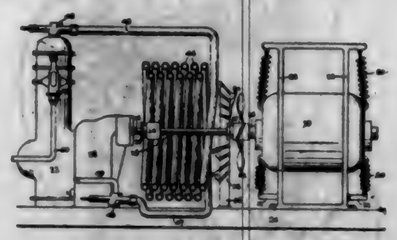


A portable adjustable lighting fixture comprising a demountable base, a supporting pipe mounted thereon, a curved rigid arm, a universal joint interposed between said pipe and said arm and connecting the arm to the base for movement in any direction with respect thereto, and a flexible light carrying cable attached to the rigid arm and movable with respect to both the base and rigid arm.

1,541,753. PROCESS OF MAKING AN INSECTICIDE AND A FUNGICIDE. GEORGE ETHELBERT SANDERS, Annapolis Royal, Nova Scotia, Canada, assignor to Riches, Piver & Co., a Corporation of New Jersey. Filed Dec. 28, 1920. Serial No. 432,692. 4 Claims. (Cl. 167—6.)

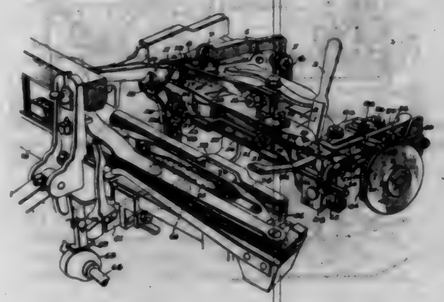
4. The process of making an insecticide and fungicide, comprising the hydration of calcium oxide with a solution of arsenic acid and adding copper sulphate thereto, while hydrating, the calcium oxide being kept always in excess to an amount sufficient to cause a dehydration of the copper sulphate, producing a mixture in dry powder form containing arsenate of lime and dehydrated copper sulphate.

1,541,754. REFRIGERATING APPARATUS. CHARLES C. SPEER, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 23, 1924. Serial No. 721,618. 1 Claim. (Cl. 62—115.)



In combination, a compressor adapted to be inserted in a refrigerating system to compress the refrigerant, a motor adapted to drive said compressor and spaced from said compressor, a drive connecting said motor to said compressor, a fan operated by said motor, a condensing coil also adapted to be inserted in said refrigerating system and positioned between said motor and said compressor about said drive and in the path of the current set up by said fan, a plurality of supporting members positioned about said motor, a plurality of springs entirely supporting said motor from said supporting members, and a deflector interposed between said fan and said coil and effective to direct said current over said coil in any normal position in which said motor is supported by said springs.

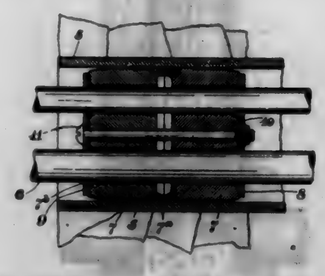
1,541,755. LOOM. EDWARD S. STIMPSON, deceased, late of Hopedale, Mass., by Wallace I. Stimpson, executor, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Sept. 13, 1924. Serial No. 737,467. 14 Claims. (Cl. 139—270.)



1. In a loom, the combination of a cam follower, a feeler to detect the condition of the filling in the shuttle, a device for holding the feeler in a frontward position, and means actuated from the cam follower for freeing the feeler from said device at intervals that the feeler may have periods of activity and inactivity during weaving with the same supply of filling in the shuttle.

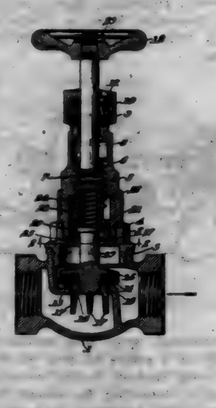
1,541,756. CLOSURE FOR CONDUITS. OZE H. WILLIAMS, Columbus, Ohio, assignor to The Lancaster Tire and Rubber Company, Columbus, Ohio, a Corporation of Ohio. Filed Jan. 17, 1924. Serial No. 686,925. 1 Claim. (Cl. 137—76.)

Means for plugging conduits for electrical conductors comprising, in combination, a septum of elastic material for the conduit composed of two parts having lips facing each other, said septum provided with eccentrically located perforations for the reception of the electrical conductors, said septum, having annular inwardly projecting lips at said perforations, central compression members of inelastic material for the parts of said sep-



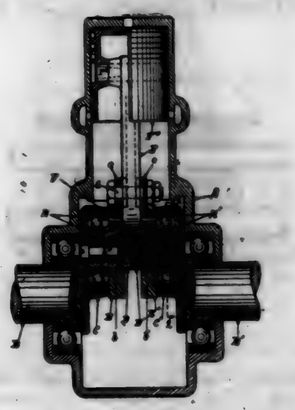
tum, and means engaging said compression members for drawing and holding them together to expand the first mentioned lips into pressing contact with the inner wall of the conduit and the lips of the eccentrically located perforations in pressing contact with the conductors in said perforations.

1,541,757. VALVE. CHARLES B. ALLEN, Wadsworth, Ohio, assignor to The Ohio Injector Company, Wadsworth, Ohio, a Corporation of Ohio. Filed Mar. 5, 1924. Serial No. 697,021. 2 Claims. (Cl. 251—154.)



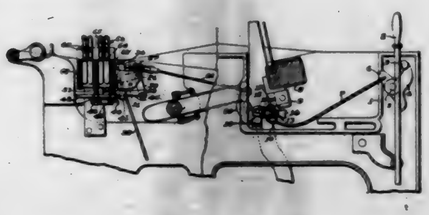
2. In a valve, a bonnet, a body provided with a seat, a disk arranged for cooperation with said seat and adapted to be seated thereon by the influence of fluid pressure in said valve and having a headed stem, a spindle having screwthreaded engagement with said bonnet and having an integral housing enclosing the head of said stem and providing a lost motion connection therewith, a hub interposed between and connecting said body and bonnet, a stop formed in said hub for limiting the valve closing movement of said spindle, said spindle capable of imparting positive unseating movement to said disk but capable only of imparting seating movement thereto to an extent sufficient to permit it to seat under the influence of said pressure, and a resilient member interposed between the spindle and the head of the stem for assisting fluid pressure in seating the disk.

1,541,758. CRANK-SHAFT AND CONNECTING-ROD MECHANISM. WILLIAM E. BAKER, Erie, Pa. Filed Mar. 3, 1924. Serial No. 696,543. 5 Claims. (Cl. 74—38.)



1. In a connecting rod mechanism, a sleeve adapted to be placed on a wrist-pin, a radial disc on said sleeve, an opening through said disc, a connecting rod, a stud-post on said connecting-rod adapted to project into said opening, and means to clamp said connecting rod against the face of said disc.

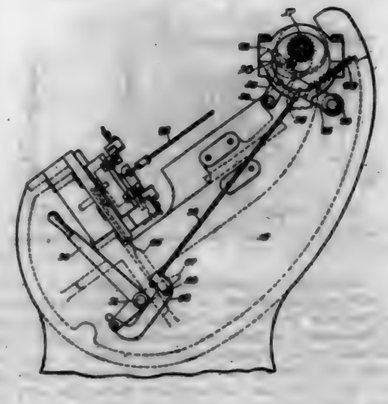
1,541,759. WARP STOP MECHANISM FOR LOOMS. CARL D. BROWN, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Aug. 2, 1924. Serial No. 729,770. 24 Claims. (Cl. 139—360.)



1. In a mechanical warp stop mechanism for looms, the combination of a series of drop wires normally supported by the warp threads during weaving, a drop wire detector having a detecting movement, means actuated by the drop wire when it fails to be supported by a warp thread for securing the detector to a fixed part to thereby arrest its detecting movement, and means for stopping the loom when the detector is secured to the fixed part and its movement is thereby arrested.

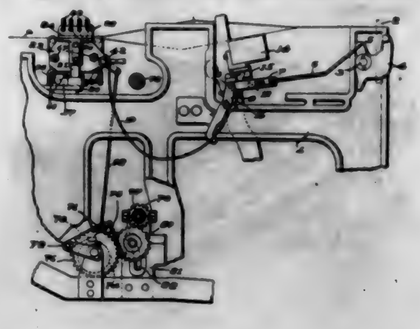
1,541,760. AUTOMATIC DIE PRESS. WILLIAM CAMERON, Chicago, Ill., assignor to Cameron Can Machinery Company, Chicago, Ill., a Corporation of Illinois. Original application filed Oct. 13, 1919, Serial No. 330,284. Divided and this application filed Mar. 18, 1920. Serial No. 366,893. 7 Claims. (Cl. 102—12.)

1. In a machine of the class described, the combination of a shaft, a driving wheel rotatably mounted thereon, a clutch, including a pin, for connecting said wheel and shaft, and yielding means positioned to engage the end



of said pin upon withdrawal of the same for automatically stopping said shaft in predetermined position.

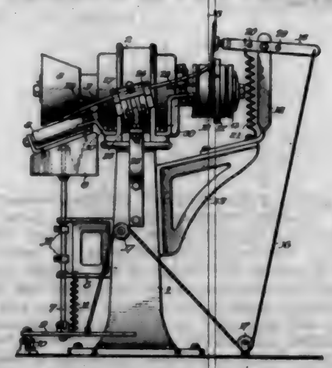
1,541,761. WARP STOP MECHANISM FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 2, 1924. Serial No. 741,152. 11 Claims. (Cl. 139—367.)



1. In a warp stop mechanism, the combination of a series of drop wires, a detector frame having side members, fixed guides for the detector frame enclosed by the side members, and flat drop wire detectors extending between the side members.

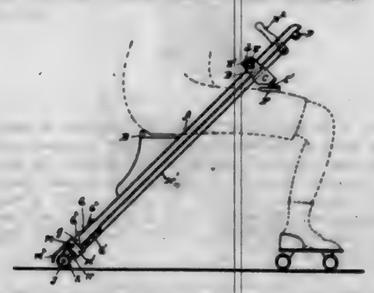
1,541,762. BEAD-BUFFING MACHINE. HAROLD A. DENNIRS, Akron, Ohio, assignor to The General Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed July 9, 1924. Serial No. 725,019. 8 Claims. (Cl. 82—1.)

1. In a machine for the uses and purposes set forth, the combination of a motor having a shaft, a bead driving drum upon one end of the motor shaft and a supporting drum on the other end of the shaft, a spring elevated roller beneath the driving drum and a spring



depressed roller above the supporting drum, the bead being received between the rollers and the drum, and a brush in the path of the bead.

1,541,763. COASTER SKATE. DAVID W. DUNBAR, New York, N. Y., assignor to Coaster Skate Manufacturing Company, Inc., Erie, Pa. Filed Feb. 24, 1925. Serial No. 11,361. 3 Claims. (Cl. 208—182.)



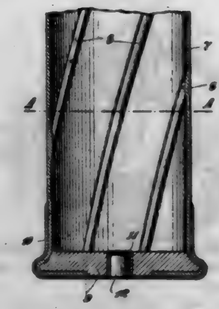
1. In a device for use as described, a bar adapted to rest upon the ground, a seat secured intermediately of the length of said bar, a cross-piece, means to secure the same to said bar, and a plate pivoted on said cross-piece adapted for horizontal self adjustment.

1,541,764. WRIST-WATCH BRACELET. GEORGE D. HARRISON, North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Filed Feb. 9, 1924. Serial No. 691,790. 2 Claims. (Cl. 63—5.)



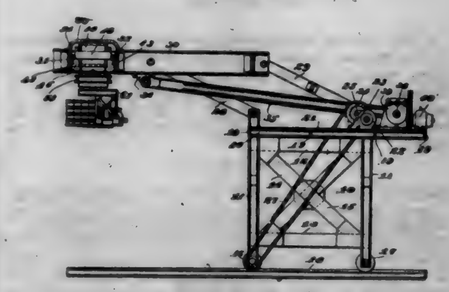
2. In a bracelet, a mesh fabric band, a hollow link on the band at one end thereof having an aperture in the inner side wall thereof, a clasp slidably connected to the link, a spring in the link for tensioning the clasp having one end connected to the latter, the other end of the spring and a part of the mesh fabric band extending across the aperture, and a plug of solder filling the aperture and surrounding the part of the spring in register with the aperture and extending through the interstices of the mesh fabric band adjacent to the opening to anchor both the spring and the band to the link.

1,541,765. CARTRIDGE SHELL. HOWARD D. HODGE, New York, N. Y., assignor of one-half to George Ramsey, New York, N. Y. Filed Nov. 12, 1919. Serial No. 337,513. 9 Claims. (Cl. 102—12.)



1. As an article of manufacture, a charge of encased ammunition comprising a shell having a single tube of extruded aluminum provided with a smooth exterior and with longitudinally extending spirally inclined ribs on the interior of a portion of said tube and adapted to increase the longitudinal strength of said tube and thereby preventing "cut-offs," the inclination of said ribs being such that a plane parallel to and including the axis of the tube will intersect a plurality of said ribs whereby longitudinal splits in said tube are also prevented, and means to retain the powder gases within the shell until a predetermined pressure is developed.

1,541,766. TRAVELING CRANE. GRAFTON E. LUCE, Chicago, Ill. Filed Nov. 23, 1923. Serial No. 676,556. 3 Claims. (Cl. 212—9.)



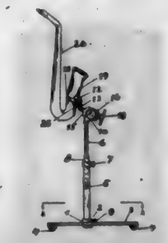
1. In a brick setting machine, the combination of a platform, a pair of beams spaced apart from each other and located above said platform, tracks extending between said beams near one end thereof, a parallel link connection between the beams and the platform, a pair of rack beams and means for operating the same to cause movement of said pair of beams with respect to the platform, a windlass mounted on said tracks for movement transversely of said beams and a brick setting platform suspended from said windlass

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1,541,767. MUSICAL-INSTRUMENTS SUPPORT. AUGUST MORTENSEN, San Francisco, Calif., assignor to The "Frisco" Manufacturing Co. Inc., San Francisco, Calif. Filed Aug. 25, 1924. Serial No. 733,081. 7 Claims. (Cl. 248—40.)

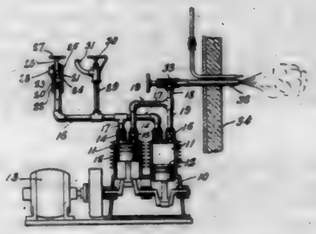
7. A base, a vertically adjustable member detachably positioned on said base, means for holding said member

in rigid relation to said base, a circular shaped off-set formed on the free end of said member, said off-set being bifurcated to engage a horizontally disposed clamp-



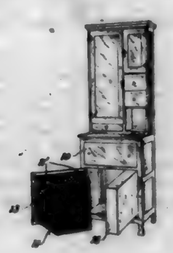
ing device, said clamping device being composed of separate parts co-operating with said off-set in different positions of adjustment.

1,541,768. OIL BURNER. GEORGE A. DILLER and PETER F. PETERSON, Milwaukee, Wis.; said Peterson assignor to said Diller. Filed Apr. 11, 1924. Serial No. 705,794. 3 Claims. (Cl. 158—36.)



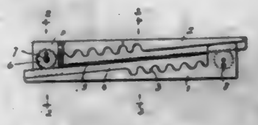
1. The method of preparing and treating fuel mixtures for oil burners of the character mentioned which comprises mixing oil and air, compressing the mixture to increase the temperature thereof, utilizing the heat of compression to vaporize the oil in the mixture, and delivering the mixture through a discharge passage to be burned.

1,541,769. CABINET WITH SECRET COMPARTMENT. ORVAL R. PLATTER, North Vernon, Ind. Filed Dec. 20, 1923. Serial No. 681,810. 3 Claims. (Cl. 45—5.)



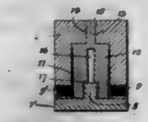
1. The combination in a cabinet of a hamper mounted to swing into and out of the same, a tray-like compartment within the cabinet between the back wall of the same and the adjacent wall of the hamper, said compartment being normally disposed with one of its broad faces against the back of the cabinet, and turnable and slidable means on which the said compartment is mounted for opening and withdrawal.

1,541,770. QUOIN. JAMES J. CURTIS, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,694. 4 Claims. (Cl. 254—42.)



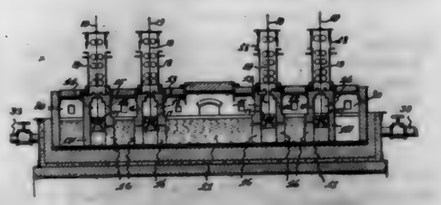
1. A device of the character described, comprising a pair of co-acting identically constructed quoins, each quoin having a toothed tongue and a groove adjacent one end of the tongue, the groove in one quoin being adapted to receive the tongue of the opposite quoin, a gear wheel rotatably mounted in each quoin and adapted to continually engage the teeth on the tongues, and means co-acting with each gear wheel for locking independently the respective gear wheels against rotation whereby the quoins are prevented independent movement in respect to each other while in contact.

1,541,771. QUOIN. JAMES J. CURTIS, New York, N. Y. Filed Mar. 28, 1924. Serial No. 702,695. 4 Claims. (Cl. 254—42.)



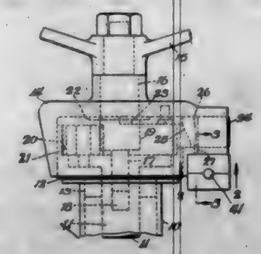
1. In a device of the character described, a pair of quoins, each quoin being provided with a groove and a tongue, the tongue of one quoin fitting into the groove of the opposite quoin, a substantially U-shaped clamping member carried by one of the quoins, said U-shaped clamping member being fitted into said grooves, and means for causing said clamping member to grip the tongue of the other quoin.

1,541,772. GLASS FURNACE. JULES J. QUERTINMONT, Point Marion, Pa. Filed Feb. 7, 1925. Serial No. 7,600. 6 Claims. (Cl. 49—56.)



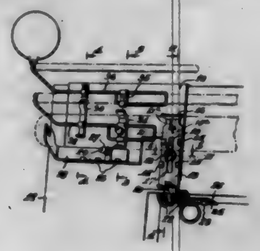
1. A glass furnace for drawing continuous sheets of glass, comprising a melting furnace, a drawing tank communicating with said melting furnace and divided into a series of alternating drawing and reheating chambers in communication with each other and the melting furnace, and terminating with a drawing chamber, a separate and independent heating chamber adjacent to the end drawing chamber and not in communication with said drawing tank or melting furnace to revitalize the chilled molten glass passing into the end drawing chamber.

1,541,773. MEANS FOR LOCKING AUTOMOBILES AGAINST THEFT. FRANKLIN W. STEWART, Chicago, Ill. Filed Feb. 27, 1924. Serial No. 695,614. 23 Claims. (Cl. 200—55.)



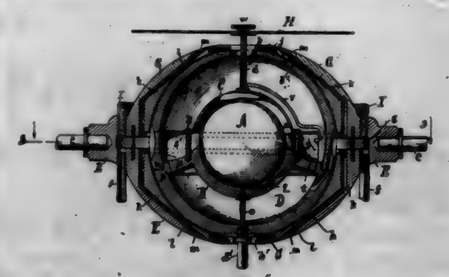
1. In a device of the class described, a housing having a locking element, a two-circuit snap-switch which maintains one of said circuits closed, having no neutral position, said switch being accessible to the operator, and a member coacting with said switch and said locking element whereby either circuit is opened or closed automatically during the actuation of said locking member.

1,541,774. COMBINED CURTAIN AND SHADE SUPPORT. STANLEY JOHN KUEHL, Holyoke, Mass. Filed Feb. 8, 1924. Serial No. 691,414. 8 Claims. (Cl. 156—24.)



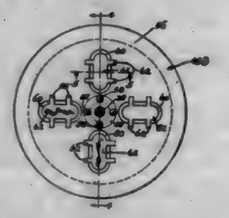
3. A device of the character described including a base plate capable of engagement with a window frame, a slide member adjustable on said base plate, a supporting member formed of a single length of wire having its intermediate portion interposed between said base plate and slide member and held in position thereby, other portions of said supporting member being bent to provide coil springs, and a clamping member pivotally connected to the extremities of said wire and engageable with a portion of the window frame to clamp said base plate in position thereon.

1,541,775. BALL-CONTROLLED MARITIME AND SCIENTIFIC INSTRUMENT. ROYAL E. BIBBINS, New York, N. Y., assignor to Bibbins Ball Compass, Inc., a Corporation of Delaware. Filed Apr. 7, 1922. Serial No. 550,258. 4 Claims. (Cl. 74—78.)



1. A ball-controlled maritime and scientific instrument which comprises a spinning ball supported and driven by compressed air, a floating vessel enclosing said ball,—an encircling ball surrounding said vessel,—and means whereby compressed air, sufficient in quantity and pressure, is supplied to support and steady said encircling ball and said vessel in a true vertical and horizontal position, and to support and drive said spinning ball and impart thereto a directive force for the proper functioning of said instrument.

1,541,776. COMPRESSOR UNIT. WILLIAM D. MERCER, Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 23, 1924. Serial No. 721,711. 1 Claim. (Cl. 170—168.)



A flywheel fan comprising a rim, a hub, a web connecting said rim and said hub and provided with a plurality of apertures therethrough, and a plurality of blades each positioned within said apertures and extending at an angle to the plane of said web with its two lateral edges projecting on opposite sides of said web, and means securing each such lateral edge to said web.

Patents Nos. 1,541,777 to 1,542,807.

THE

OFFICIAL GAZETTE

OF THE

United States Patent Office.

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
Issue of June 16, 1925	537
Disposition of Patent Office Models	537
Class Orders	537
Adjudicated Patents	537
Adverse Decisions in Interference	537
Applications Under Examination	538
Commissioner's Decisions—	
Frolaset Corset Company v. The Beyerhirm Bennisere Co.	539
Decisions of the U. S. Courts—	
Gladys V. H. Phillips Administratrix, etc., v. Carlson et al	539
Thos. Weiss & Co., Inc., v. Stuart, Keith & Co., Inc.	540
Patent Suits	541
Interference Notices	542
Trade-Marks Published (286 Applications)	543
Trade-Mark Registrations Granted	593
Trade-Mark Registrations Renewed	595
Labels	599
Prints	600
Reissues	601
Designs	602
Patents Granted	616

Issue of June 16, 1925.

Trade-Marks	310	No. 199,484 to No.	199,793,	inclusive.
T. M. Renewals	62			
Labels	45	No. 28,793 to No.	28,847,	inclusive.
Prints	21	No. 7,982 to No.	8,002,	inclusive.
Reissues	4	No. 15,095 to No.	15,098,	inclusive.
Designs	75	No. 67,545 to No.	67,619,	inclusive.
Patents	1051	No. 1,541,777 to No.	1,542,807,	inclusive.
Total	1569			

Disposition of Patent Office Models.

The act of Congress, approved February 12, 1925, provides a commission "to select such of the Patent Office models and exhibition exhibits as may be deemed to be of value and of historical interest * * * and cause the remainder of the said models and exhibits to be disposed of by public auction, gift to Federal, State, or private museums or institutions, or returned without expense to the Government to the original depositors or their representatives, where demanded in writing by them." * * *

The commission hereby gives notice to all Federal, State, or private museums or institutions, and to all other parties entitled to receive any of the models or exhibits under said act of Congress, that claim thereto must be made in writing to the commission on or before July 15, 1925; otherwise the models may be sold or destroyed, as authorized by the act.

Claims should be addressed to the Patent Office, Washington, D. C.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

Class Orders.

The Office receives subscriptions for copies of patents, as issued weekly in subclasses. The expense of keeping the records, selecting the proper copies for the order, entering the charge, and mailing is so great that the Office feels compelled to make a charge therefore, which will be nominal in each instance.

Beginning with July 1, 1925, in addition to the statutory price of 10 cents each for the copies furnished, there will be charged $1.00 per year for entry of the order and the first subclass and 10 cents per year for each additional subclass.

A list of patents issued, arranged by subclasses, is printed each week in the OFFICIAL GAZETTE, so that patents desired may be selected and ordered separately.

ADJUDICATED PATENTS.

(D. C. N. Y.) The Fessenden patents, Nos. 1,050,441 and 1,050,728, for method and apparatus for heterodyning. *Held* infringed. *Westinghouse Electric & Mfg. Co. v. Taub*, 4 F. (2d) 605.

(D. C. N. Y.) The Armstrong patent, No. 1,113,149, for audion amplifier, *Held* infringed. *Westinghouse Electric & Mfg. Co. v. Taub*, 4 F. (2d) 605.

(U. S. C. C. A. Wash.) The Carson patents, Nos. 1,149,495 and 1,202,807, for metallurgical furnaces, *Held* valid and infringed. *Carson v. American Smelting & Refining Co.*, 4 F. (2d) 463.

(D. C. N. Y.) The Mitchell and White patents, Nos. 1,423,956 and 1,423,957, for improved tipless incandescent electric lamp and method for making same, *Held* valid and infringed. *General Electric Co. v. Save Electric Corporation*, 4 F. (2d) 584.

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,397,492, J. Good, Automobile-engine fuel supply, decided May 2, 1925, claim 1.

Pat. 1,433,612, P. H. Gaskins, Lubricating system, decided April 7, 1925, claims 1 and 2.

Pat. 1,458,120, H. B. Williamson, Magnet and dynamo electric machine structure, decided March 19, 1925, claims 1, 9, and 17.

Pat. 1,484,927, Beaner and Heise, Storage-battery separator and process of making the same, decided April 30, 1925, claims 1, 2, and 3.

Pat. 1,528,169, W. Sands, Cover fastener, decided May 22, 1925, claims 1, 2, 3, 4, 5, 8, and 9.

Condition of Applications Under Examination at Close of Business June 5, 1925.

Room No.	(Total number of applications awaiting action, including Trade-Mark Division, 66,122; Trade-Mark Division, 2,101. Oldest new case, Dec. 8, 1924; oldest amended, Dec. 13, 1924. The dates given are 1925 except where † indicates 1924.) DIVISIONS, EXAMINERS AND SUBJECTS OF INVENTIONS.	Oldest new application and oldest action by applicant awaiting office action. New.	Amended	Applications pending in the Division
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 2	Mar. 19	603
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 12	Feb. 14	498
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Mar. 30	Apr. 20	222
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Feb. 20	Feb. 20	607
108*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 8	Jan. 12	955
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 6	Jan. 8	881
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 7	Feb. 6	957
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 17	Feb. 18	1,302
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 9	Mar. 4	622
118	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 3	Feb. 4	970
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 16	Mar. 14	758
280	12. PIERCE, P. P., Machine Elements	Feb. 6	Feb. 6	895
154*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Jan. 19	Feb. 10	1,148
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 11	Apr. 11	294
329	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 5	Feb. 20	943
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 14	Jan. 24	901
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 5	Apr. 1	360
229	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 5	Jan. 7	606
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	†Dec. 13	Mar. 26	671
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 7	Feb. 9	812
312	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 6	Mar. 23	477
108	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 16	Mar. 27	389
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 7	Jan. 30	422
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 5	Mar. 5	455
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Apr. 6	Apr. 3	667
228*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 9	†Dec. 17	745
314	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 6	Mar. 9	646
225	28. BENSON, A. R., Internal-Combustion Engines	Apr. 17	Apr. 17	683
160*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 9	Jan. 2	1,088
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 2	Mar. 13	941
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Mar. 24	Mar. 24	799
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 14	Feb. 10	678
152	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 6	Apr. 7	682
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Feb. 11	Feb. 12	571
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 13	Mar. 13	675
103	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Feb. 27	Jan. 22	1,255
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	†Dec. 29	Jan. 5	1,208
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 19	†Dec. 18	945
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Feb. 20	Feb. 13	436
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 12	Jan. 12	1,894
125	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Feb. 25	Jan. 31	618
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 7	Jan. 7	1,061
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 12	Jan. 24	983
253	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Jan. 31	Feb. 3	778
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides	Jan. 26	Jan. 29	772
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 17	Jan. 7	967
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 3	Feb. 9	1,310
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Dec. 8	†Dec. 12	1,720
230	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 9	Feb. 13	708
322	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 7	Jan. 8	1,313
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 15	Jan. 15	2,052
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 1	Apr. 4	800
112	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 9	Feb. 5	999
102	DESIGNS: C. O. MARKHAM (Acting)	May 11	May 21	290
103	TRADE-MARKS, LABELS AND PRINTS: T. L. MEAD, Jr. (Trade-Marks	Apr. 22	May 16	1,919
	(Labels and Prints	May 6	May 23	272

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decision.

FROLASET CORSET COMPANY *v.* THE BOYSHFORM BRASSIERE CO.

Decided March 17, 1925.

1. TRADE-MARKS—DECEPTIVE SIMILARITY "BANDO"—"BANDOBELT."

Where registrant's mark consists of "Boyshform" written across the outline figure of the upper portion of the body of a woman, below which appears "Bando", *Held* that the word "Bando" forms such a prominent part of the registered mark and is so similar to petitioner's mark "Bandobelt" that confusion is probable.

2. SAME—CANCELLATION—ACT OF 1920.

A mark registered under the act of 1920 canceled because of the prior use by another of a deceptively similar mark, registered under the act of 1905, the goods being of the same descriptive properties.

3. SAME—SAME—OBJECTIONS RAISED FIRST TIME ON APPEAL.

Registrant's objection to the admission of petitioner's depositions on the ground that the notice did not give the names and addresses of some of the witnesses could not be made for the first time on appeal.

4. SAME—SAME—DELAY IN FILING PRINTED RECORD—POSTPONEMENT OF HEARING.

Where through inadvertence petitioner did not print its record on time, but on objection by registrant the hearing was postponed, so that the printed record was filed in advance of the actual hearing, *Held* that there was no error in considering the record.

APPEAL from Examiner of Interferences.

Mr. Parker Cook and *Mr. George H. Cook* for Frolaset Corset Company.

Mr. George C. Heinicke for The Boyshform Brassiere Co.

FENNING, *Assistant Commissioner:*

The Boyshform Brassiere Co. appeals from the action of the Examiner of Interferences canceling its Trade-Mark No. 173,558, registered under the act of March 19, 1920, for brassières. The mark consists of "Boyshform" written across the outline figure of the upper portion of the body of a woman, below which appears "Bando."

Frolaset Corset Company, petitioner for cancellation, owns two trade-marks registered under the act of 1905, "Bandobelt," No. 138,244 and No. 176,019, the goods being indicated as diaphragm confiner, corsets, corset waists, brassières, bandeaux, girdles, and belts for personal wear.

[1, 2] It is too clear to need argument that the goods of the parties are goods of the same descriptive properties, so that the purchaser of brassières would expect them to come from the same source as the other goods mentioned. The record clearly discloses that the Frolaset Company used its mark prior to any date of the Boyshform Co. The word "Bando" forms such a prominent part of the registered mark and is so similar to "Bandobelt" that confusion is probable, and this is sufficient, as pointed out in *Macy & Co., Inc.*, v. *The Macey Company, Inc.*, 1922 C. D. 2; 295 O. G. 468; and *Interwoven Stocking Company* v. *David Harris & Eisner*, 329 O. G. 11.

[3] In its brief here registrant objects to the petitioner's depositions being admitted, on the ground that the notice did not give the names and addresses of some of the witnesses. That objection was not made below and can not be made for the first time on appeal.

[4] Through an inadvertence petitioner did not print its record below in sufficient time in advance of the hearing originally set. On objection by registrant the hearing was postponed, so that the printed record was actually filed in advance of the actual hearing, the time prescribed by the rules. Under those conditions there was no error in considering the record below.

The Examiner of Interferences is affirmed.

Court of Appeals of the District of Columbia.

GLADYS V. H. PHILLIPS, ADMINISTRATRIX, ETC., *v.* CARLSSON ET AL.

No. 1,893. Decided February 2, 1925.

INTERFERENCE—FOREIGN APPLICATION—CONCEPTION AND CONSTRUCTIVE REDUCTION TO PRACTICE.

Where C. and T. established a constructive filing date by filing a Swedish application for the same invention, and P. conceived before but did not reduce the invention to practice until after C. and T.'s constructive filing date and was lacking in diligence, *Held* that C. and T. were entitled to their constructive filing date for conception and constructive reduction to practice, and priority was awarded to C. and T.

APPEAL from Patent Office. Affirmed.

Mr. F. A. Bower and *Mr. C. V. Edwards* for Phillips.

Mr. Sam'l. Herrick for Carlsson et al.

Before MARTIN, Chief Justice, ROSS, Justice, and BARBER, Judge U. S. Court of Customs Appeals.

ROSS, *J.:*

This is an appeal from a decision of the Patent Office in an interference proceeding awarding priority to the senior party.

The claims, two in number, relate to a process of increasing or maintaining the amount of nitrocotton dissolved in nitrocellulose solutions, while maintaining a degree of fluidity sufficient to permit the use of the solution as a spray or lacquer. There are two important limitations; that the claims involve a process for dealing with highly concentrated solutions and for changing them to a fluidity sufficient for their use as a lacquer or spray. Claim No. 1 is sufficiently illustrative and reads as follows:

1. A process for making highly concentrated solutions of nitrocellulose having sufficient fluidity to be used as a lacquer or spray, which consists in treating a mixture of nitro-cotton and solvent with heat and pressure.

It clearly appears that the senior party established a constructive filing date of December 6,

1918, by reason of the filing of a Swedish application for the same invention. He therefore is entitled to, and was given, that date for conception and constructive reduction to practice.

The Examiner of Interferences held that Phillips, while first to conceive, was the last to reduce to practice and was lacking in diligence, and therefore awarded priority to the senior party. The Board found that Phillips conceived and reduced to practice in 1914 and that, as he neither abandoned nor concealed the invention thereafter, he was entitled to an award of priority, and so ruled. The Assistant Commissioner, in a carefully prepared opinion, concurred in the findings of the Examiner of Interferences, and, after an examination of the record in the light of appellant's argument and brief, we are convinced of the correctness of the conclusion reached. The opinion of the Assistant Commissioner is so comprehensive and satisfactory that we adopt it without further discussion and therefore affirm the decision.

Affirmed.

Court of Appeals of the District of Columbia.

THEO. WEISS & CO., INC., *v.* STUART, KEITH & CO., INC.

No. 1,600. Decided March 2, 1925.

TRADE-MARK—INTERFERENCE—TRADE-MARK USE—ACCESSORY PORTION OF COMPOSITE MARK.

Where in support of its allegation of trade-mark use appellee produced a ticket bearing a composite mark in which the phrase for which registration was sought was merely accessory to the other and dominating features, *Held* that this showed no use of the mark whatever.

APPEAL from Patent Office. Reversed.

Mr. Cyrus Kehr for Theo. Weiss & Co., Inc.

Mr. Wm. F. Hall for Stuart, Keith & Co., Inc.

Before MARTIN, Chief Justice, ROBB, Justice, and BARBER, Judge U. S. Court of Customs Appeals.

ROBB, *J.:*

Appeal from a Patent Office decision in a trade-mark interference proceeding in which priority and the right of registration were awarded the junior party, appellee here.

The appellee, in its verified petition for registration, alleged that it had continuously used the mark for which it sought registration since September 7, 1910, and that it had applied the mark "directly to the goods by printing or stamping the same thereon" and also had applied or affixed it to the goods by placing thereon, or on the package containing them, printed labels on which the mark was shown. We here reproduce the sample of the mark filed with the Patent Office:

JUST LIKE DADS

To substantiate the averments of its petition, the testimony of four witnesses was taken by appellee. The first witness, its president, testified that the corporation manufactured overalls for men and boys, and he thereupon produced a sample of the goods of the latter class. He then testified in part as follows:

Q. 7. Do you distinguish this garment by any means to designate it as being different from your other line of goods?
A. We do.
Q. 8. How?
A. With a ticket and with the wording "Little Man's Overall Just Like Dad's."
Q. 9. Will you produce such a ticket referred to in your last answer?
A. We will.

We here reproduce the ticket referred to by this witness, which was marked Exhibit 2:



The witness then testified that garments of this style were shipped into various States of the Union and that appellee—

got up in 1912 the ticket which is now attached to the garment and which bears the phrase, "Just Like Dad's."

He then was asked:

I note from these records to which you have referred that reference is made to garments bearing the "Little Man's Ticket." Is this the garment referred to?

He replied "It is" and was asked:

Did these garments bear a ticket similar to that of Exhibit 2?

After he had replied "They did", he was further asked:

Has the use of this ticket as Exhibit 2 on goods as Exhibit 1 been continuous by Stuart, Keith & Co., Inc., since the date set out in the production of these exhibits?

His response was, "It has."

The testimony of the other witnesses did not differ materially from that of the first.

The foregoing testimony falls short of showing such trade-mark use of the "ticket" referred to by the witnesses as is contemplated by the registration statute. *Hump Hairpin Co.* v. *De Long Co.*, 190 O. G. 1032; 1913 C. D. 393; 39 App. D. C. 484. But, even assuming such use, the position of appellee is not bettered, for it has sought the registration of a mark as to which the testimony shows no use whatever. In other words, one mark is claimed and the use of another shown. The dominating features of the ticket produced clearly are the words "Little Man's Overall" and the representation of a boy or "Little Man." The phrase "Just Like Dad's" is nothing more than accessory, the attempt to register which, upon a showing of the composite mark, is directly in conflict with the ruling of this court in *Plasten* v. *Canton Pharmacy Co.*, 143 O. G. 1113; 1909 C. D. 408; 33 App. D. C. 268. In that case we said that a party might not segregate his trade-mark—

and, by registering each of its features separately, thereby prevent the registration by another of any particular part of the mark as actually used,

when such registration and use by another would cause no confusion to the trade or prejudice to the first user. We further said:

A firm may have one or a dozen marks, but, owing to the nature and objects of trademarks, it seldom happens that more than one mark is used by any dealer to designate a particular article. Thus the record shows that Planten has used the registered mark to designate the goods to which the mark of the application *de said* to apply. In contradiction of the statement in his application, he filed with his application not the mark of the application, but the mark previously registered. The Trade Mark Act confers the right of registration upon "the owner of a trademark used in commerce with foreign nations, or among the several States, or with Indian tribes," providing the applicant complies with various requirements stated in the act, and files a verified declaration that the conditions entitling him to the benefit of registration exist. Statutory use of the mark is a prerequisite to the right of registration. * * * In other words, proof of the use of the words "Planten's C. & C. or Black Capsules." in a case where those words have been registered as a trademark, does not establish the use of the words "Black Capsules" as a trademark, for the words eliminated from the registered mark are, under the prior application, an essential part of that mark.

In *Quaker City Flour Mills Co.* v. *Quaker Oats Co.*, 214 O. G. 684; 1915 C. D. 113; 43 App. D. C. 260, 263, a somewhat similar situation was presented and the court said:

But the difficulty here is that "the mark as claimed" has not been used. It is only part of the mark which actually designated the product to which it was applied.

In re Fitzpatrick Bros., 257 O. G. 1081; 1918 C. D. 217; 48 App. D. C. is to the same effect, and in *Beckwith* v. *Commr. of Patents*, 274 O. G. 613; 1920 C. D. 471; 252 U. S. 538, 545, the Supreme Court said:

The commercial impression of a trademark is derived from it as a whole, not from its elements separated and considered in detail. For this reason it should be considered in its entirety * * *.

It follows that appellee was not entitled to an award of priority.

The Patent Office has found, and in that conclusion we concur, that the evidence in behalf of appellant established adoption and use since 1918 of the mark claimed by it, here reproduced:

JUST LIKE DAD'S

An ocular examination of appellee's Exhibit 2 ticket and appellant's mark convinces us that there is no likelihood of confusion from their concurrent use. It results that the decision must be reversed and priority awarded appellant.

Reversed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

745,969, J. B. McCarthy, Electric-fuse holder; 1,129,459, A. L. Eustice, Renewable cartridge fuse, appeal filed Mar. 13, 1925, C. C. A. (7th Cir.), Doc. 3557, *Economy Fuse Mfg. Co.* v. *Chicago Fuse Mfg. Co.*

878,225, J. C. Miller. Pasteurizer; 945,570, same, Ice-cream freezer, decree affirming decree of district court Mar. 3, 1925, C. C. A. (7th Cir.), Dec. 3390-1, *Creamery Package Co.* v. *Miller Pasteurizing Co.*

882,517, Dwight & Lloyd, Process of treating ores; Re. 13,758, F. D. Weeks, Calcining, desulfurizing, agglomerating, and sintering ores and like material; 1,254,316, A. S. Dwight, Process of treating ores; 1,438,349, same, Process and apparatus for treating ores to sinter them; 1,438,350, same, Ore desulfurizing and sintering apparatus; 1,438,351, same, Process of treating ores to sinter them; 1,438,352, same, Apparatus for treating ores to sinter them, suit filed Mar. 1, 1925, D. C., E. D. Wis., Doc. 1531 C D, *Dwight & Lloyd Sintering Co.* v. *Mayville Iron Co.*

891,045, A. B. Dim, Caster for furniture, final consent decree holding patent invalid and dismissing bill, Mar. 30, 1925, D. C., S. D. N. Y., Doc. E 24/256, *The Bassick Co.* v. *Faultless Caster Co.*

904,183, G. Dalen, Filling mass for receivers for storing explosive gases; 1,140,124, same, Storing mass for acetylene gas, appeal filed Mar. 19, 1925, C. C. A. (7th Cir.), Doc. 3559, *American Gasaccumulator Co.* v. *The Prest-O-Lite Co., Inc.*

945,570. (See 878,225.)

988,675, W. F. Burgmann, Printer's register hook, decree affirming decree of D. C., Mar. 21, 1925, C. C. A. (7th Cir.), Doc. 3395, *Printing Utilities Co.* v. *International Harvester Co.*

1,028,950, K. Peterson, Sector-cutting saw, suit filed Feb. 19, 1925, D. C. Minn. (5th Div.), Doc. 161, *Crescent Tool Co.* v. *Diamond Calk Horseshoe Co.*

1,028,910, H. Schmarson, Safety jewel chest, order of dismissal under rule 57 Mar. 3, 1925, D. C., S. D. N. Y., Doc. E 25/182, *National Safety Chest Corp.* v. *M. I. Lieberman.*

1,103,567, E. P. Cowles, Motor vehicle, decree reversing decree of district court with directions to dismiss bill Mar. 2, 1925, C. C. A. (7th Cir.), Doc. 3439, *Overland Motor Co.* v. *Packard Motor Co. et al.*

1,129,459. (See 745,969.)

1,140,124. (See 904,183.)

1,180,159, I. Langmuir, Incandescent electric lamp, final decree sustaining patent and granting injunction Mar. 27, 1925, D. C., S. D. N. Y., Doc. E 22/280, *General Electric Co.* v. *Continental Lamp Works, Inc.*

1,190,906, 1,376,813, 1,378,282, 1,407,416, B. D. Horton, Electrical switch; 1,325,042, J. H. Pickareck, same; 1,399,364, A. Oakes, Electrical switch and method of producing same, suit filed Mar. 27, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1404, *Square D Co.* v. *The American Electric Switch Co.*

1,227,217, H. A. Taylor, Stocking, order of dismissal under equity rule 57, Mar. 16, 1925, D. C., S. D. N. Y., Doc. E 25/90, *H. A. Taylor* v. *Rose Well Hosiery Mills, Inc., et al.*

1,254,316. (See 882,517.)

1,325,042. (See 1,190,903.)

1,346,633, O. E. Cloud, Ventilator, case dismissed without prejudice Mar. 9, 1925, D. C. Kans. (2d Div.), Doc. E 318-N, *O. E. Cloud* v. *The American Cornice Works Co. et al.*

1,376,813. (See 1,190,903.)

1,378,232. (See 1,190,903.)

1,390,364. (See 1,190,903.)

1,407,416. (See 1,190,903.)

1,433,349. (See 882,517.)

1,433,350. (See 882,517.)

1,433,351. (See 882,517.)

1,433,352. (See 882,517.)

1,446,947, T. L. Taliaferro, Drying lithographed metal plate, suit filed Mar. 27, 1925, D. C., S. D. Ohio (W. Div.), Doc. E 376, *Phoenix Hermetic Co.* v. *The U. S. Can Co.*

1,452,099, J. F. Sipe, Elastic tire and method of making same, suit filed Mar. 20, 1925, D. C., S. D. N. Y., Doc. E 31/303, *J. F. Sipe* v. *C. B. Perkins et al.* (*Mutual Tire & Wheel Works*).

1,459,160, Nims & Nims, Water circulator for gas engines, appeal filed Mar. 6, 1925, C. C. A. (7th Cir.), Doc. 3563, *Cramer Mfg. Co. et al.* v. *Nims Pump Co.*

1,501,704, O. H. Clarke, Spot or search light assembly, suit filed Mar. 20, 1925, D. C., E. D. Wis., Doc. 1541 C D, *The Clymer Mfg. Co.* v. *Romort Mfg. Co.*

1,502,559, P. J. Giblin, Footwear, suit filed Mar. 24, 1925, D. C., E. D. Wis., Doc. 1544 C D, *P. J. Giblin et al.* v. *Berlin Tanning Mfg. Co.*

1,504,173, S. N. Wight, Automatic train-control system, suit filed Mar. 17, 1925, D. C. Minn. (3d Div.), Doc. 761, *General Railway Signal Co.* v. *Great Northern Railway Co.*

1,517,662, R. W. Wilson, Toilet box, suit filed Mar. 28, 1925, D. C., S. D. N. Y., Doc. E 31/317, *T. Foster & Bro. Co. et al.* v. *Conde, Ltd.*

1,518,652, F. D. Gould, Auto top, suit filed Mar. 14, 1925, D. C., N. D. Calif., Doc. E 1442, *F. D. Gould Co.* v. *E. C. Anthony, Inc., et al.*

1,519,046, J. C. Pwether, Antirattler, suit filed Mar. 21, 1925, D. C., W. D. Okla., Doc. E 713, *J. C. Pwether* v. *Fowler Supply Co. et al.*

Des. 57,423, P. I. Ansorge, Lighting-fixture part, final consent decrees sustaining patent and granting injunction Mar. 25, 1925, D. C., S. D. N. Y., Doc. E 24/264, *Empire Lighting Fixture Co., Inc.*, v. *Practical Lighting Fixture Co., Inc.*, and Doc. E 31/70, *Empire Lighting Fixture Co., Inc.*, v. *G. Murad.* Same, suits filed Mar. 18, 1925, D. C., S. D. N. Y., Doc. E 31/295, *Empire Lighting Fixture Co., Inc.*, v. *Badanes Mfg. Co., Inc.* Same, Doc. E 31/296, *Empire Lighting Fixture Co., Inc.*, v. *Janick-Sirken Co., Inc.* Same, suit filed Mar. 24, 1925, D. C., S. D. N. Y., Doc. E 31/314, *Empire Lighting Fixture Co., Inc.*, v. *M. Levine et al.*

Des. 61,379, F. W. Oehrle, Fringe, suit filed Mar. 24, 1925, D. C., S. D. N. Y., Doc. E 31/311, *Oehrle Bros. Co.* v. *M. Bernhard Co.*

Des. 63,962, F. M. Poritz, Electric canopy; Des. 63,963, same, Electric socket cover; Des. 64,079, same, Chandelier body, final decree pro confesso as to defendant M. Levine Mar. 16, 1925, D. C., S. D. N. Y., Doc. E 30/11, *Star Chandelier Co., Inc.*, v. *Royal Metal Lighting Fixture Co., Inc., et al.*

Des. 63,963. (See Des. 63,962.)

Des. 64,079. (See Des. 63,962.)

Des. 64,488, H. Aglow, Arm for lighting fixture, suit filed Mar. 24, 1925, D. C., S. D. N. Y., Doc. E 31/313, *Artcraft Metal Stamping Corp.* v. *Geringer Bros.*

Des. 64,751, S. Kaufman, Finger ring, final consent decree sustaining patent and granting injunction Mar. 27, 1925, D. C., S. D. N. Y., Doc. E 31/257, *Klebanoff & Grossman* v. *S. Skabetzky et al.* (*Skabetzky & Schutte*).

Des. 66,051, M. White, Leather, suit filed Dec. 12, 1924, D. C., S. D. N. Y., Doc. E 30/385, *M. White* v. *Ritter Bros. & Sons, Inc.* Consent and order of discontinuance Jan. 17, 1925.

T. M. 22,406, T. M. 47,189, The Coca Cola Co., Nutrient or tonic beverage, final consent decree enjoining defendant, Mar. 26, 1925, D. C., W. D. Okla., Doc. E 699, *The Coca Cola Co.* v. *Standard Syrup & Bottling Co.*

T. M. 47,189. (See T. M. 22,406.)

Re. 13,758. (See 882,517.)

Interference Notices.

U. S. PATENT OFFICE, *Washington, May 23, 1925.*

Ramco Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ram Metal Products Co., Inc., 1848 Webster Avenue, New York, N. Y., for registration of a trade-mark and trade-marks registered November 24, 1914, Nos. 101,324, 101,325, and 101,326, to the Ramco Manufacturing Company, 352 State Street, Schenectady, N. Y., and a notice of such declaration sent by registered mail to said Ramco Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ramco Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, May 21, 1925.*

Steinberger & Kalisher, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Steinberger Bros. Lobl Co. Inc., 295 Fifth Avenue, New York, N. Y., for registration of trade-marks and trade-mark registered May 14, 1907, No. 62,598, to Steinberger & Kalisher, 2001 Lyon Street, San Francisco, Calif., and a notice of such declaration sent by registered mail to said Steinberger & Kalisher at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Steinberger & Kalisher, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 16, 1925.

[VOL. 335. No. 3.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 167,054. (CLASS 15. OILS AND GREASES.) PLOUGH CHEMICAL COMPANY, doing business as The Ever-Ready Company, Memphis, Tenn., assignor to Plough Chemical Company, a Corporation of Delaware. Filed July 18, 1922.

Ever-Ready

Particular description of goods.—Lubricating Oils Having Incidental Properties as a Cleansing and Polishing Substance.

Claims use since about June 26, 1922.

Ser. No. 172,492. (CLASS 17. TOBACCO PRODUCTS.) SELZER & BARAYAN, Los Angeles, Calif. Filed Nov. 24, 1922.

ARABEE

Particular description of goods.—Cigarettes.

Claims use since Aug. 20, 1922.

Ser. No. 178,851. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) TED MORTON CO. INC., New York, N. Y. Filed Mar. 30, 1923.

HOT DOG

Particular description of goods.—Stuffed Figure Toys and Blanks from Which to Form Such Toys.

Claims use since Nov. 1, 1922.

Ser. No. 178,917. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GIMBEL BROTHERS, INC., New York, N. Y. Filed Apr. 10, 1923.

WIP

Particular description of goods.—Golf Balls.

Claims use since about Mar. 1, 1923.

Ser. No. 181,656. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) SOCIÉTÉ FRANÇAISE TRUGOLNIK, Levallois-Perret, France. Filed June 7, 1923. Under ten-year proviso.

1860
T.P.A.P.M.
СЛЕТЕРБУРГЪ.

Particular description of goods.—Rubber Dolls, Rubber Balls, Rubber Animals, Parlor Games Played with Wooden Pieces or with Cards, Fishing Rods, Fishing Reels, Artificial Bait, and Fishing Lines, Tennis Rackets, Footballs, and Toy Balloons.

Claims use since January, 1888.

Ser. No. 190,147. (CLASS 39. CLOTHING.) BETSY BROWN GARMENT CO. INC., New York, N. Y. Filed Dec. 27, 1923.



The words "Betsy Brown" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Nurses' and Maids' Uniforms and House and Porch Dresses.

Claims use since Sept. 16, 1922.

Ser. No. 191,081. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEORGE W. MOENCH, Chicago, Ill., assignor to Tolde-Moench Co., Inc., Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1924.



Particular description of goods.—Flour (Whole Wheat), Bread, Muffins, and Cake.

Claims use since Jan. 7, 1924.

Ser. No. 191,403. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STEPHEN S. POSAVAC, Chicago, Ill. Filed Jan. 28, 1924.



Applicant disclaims all wording—viz, "Trade-Mark, Croatian Nature Cancer Relief"—apart from the other features of the mark shown in the drawing. The portrait is that of applicant.

Particular description of goods.—Solution Externally Applicable for the Treatment of Cancer.

Claims use since Dec. 8, 1923.

Ser. No. 192,296. (CLASS 39. CLOTHING.) THE ALMS & DOEPKE CO., Cincinnati, Ohio. Filed Feb. 15, 1924.



No claim is made to the word "Brand" apart from the mark shown in the drawing.

Particular description of goods.—Women's Underwear, Women's Gloves, Children's Mittens, Ladies' Muslin Underwear, Misses' Muslin Underwear, Children's Muslin Underwear, Ladies' House Dresses, Ladies' Aprons, Ladies' Frocks, Ladies' Dressing Sacks, Gingham Petticoats, Sateen Petticoats, Outing-Flannel Shirts, Misses' Bloomers and Pettibockers, Men's Underwear, Women's Mittens, Rompers, Creepers, Middies, Ladies' Bath Robes, Kimonas, Princess Slips, Children's Underwear, Children's Gloves, Men's Dress Shirts, Men's Work Shirts, Men's Bath Robes, Ladies' Bloomers and Pettibockers, and Children's Bloomers and Pettibockers.

Claims use since Jan. 7, 1924.

Ser. No. 193,320. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) W. J. BAXTER CO., INC., New York, N. Y. Filed Mar. 6, 1924.

London Towne

No claim is made to the exclusive use of the word "London" apart from the mark shown in the drawing.

Particular description of goods.—Cotton Shirtings in the Piece.

Claims use since Feb. 11, 1924.

Ser. No. 193,997. (CLASS 39. CLOTHING.) FISHBEIN & KAPLAN, New York, N. Y. Filed Mar. 18, 1924.



The word "Hats" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Children's Hats.

Claims use since Sept. 15, 1923.

Ser. No. 194,350. (CLASS 39. CLOTHING.) THE HUISKAMP BROS. CO., Keokuk, Iowa. Filed Mar. 24, 1924.



No claim is made to the word "Shoe" apart from the mark as shown in the drawing.

Particular description of goods.—Boots, Shoes, and Oxfords of Leather, Rubber, and Fabric and Combinations of Such Materials for Men and Women.

Claims use since September, 1922.

Ser. No. 194,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) W. L. GOODNOW CO., Keene, N. H. Filed Mar. 31, 1924.



No claim is made to the word "Brand" other than in connection with the trade-mark.

Particular description of goods.—Bread, Cake, and Doughnuts.

Claims use since Oct. 27, 1923.

Ser. No. 195,121. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) OLD SLIP TEA TRADING COMPANY, New York, N. Y., assignor to Old Slip Tea Trading Co., Inc., New York, N. Y. Filed Apr. 7, 1924.

Hanover Square

The word "Hanover" is disclaimed apart from the other features of the mark shown on the drawing.

Particular description of goods.—Coffee, Tea, Cocoa, and Chocolate.

Claims use since July, 1923.

Ser. No. 195,415. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ERNESTO PANZA, doing business as Vittoria Olive Oil Importing Co., New York, N. Y. Filed Apr. 11, 1924.



Particular description of goods.—Olive Oil.

Claims use since Mar. 21, 1924.

Ser. No. 195,473. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CLAIRE LABRINOIS WHEELER, Grantwood, N. J. Filed Apr. 12, 1924.

Uth-Sta

Particular description of goods.—Massage Lotion, Cold Creams, Face Powders, and Wrinkle Remover.

Claims use since November, 1918.

Ser. No. 195,699. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) LEDERER UTILITY BAG CO., Detroit, Mich. Filed Apr. 17, 1924.

Lubco
DETROIT

The right to the exclusive use of the words "Detroit" and "Products" apart from the mark shown is hereby disclaimed.

Particular description of goods.—Shopping Bags, School Bags, and Bathing Bags.

Claims use since Feb. 15, 1924.

Ser. No. 195,765. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924.

"S AND S"

Particular description of goods.—Oil and Varnish Stains.

Claims use since June, 1912.

Ser. No. 195,768. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924.

PRINCE

Particular description of goods.—Colors in Oil and Lead in Oil.

Claims use since March, 1890.

Ser. No. 195,770. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924. Under ten-year proviso.

SUFFOLK

Particular description of goods.—House Paints, Ready-Mixed Colors in Oil, and Paste Paints.

Claims use since about January, 1894.

Ser. No. 195,938. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS GARFUNKEL, doing business as Merchants & Eclipse Sponging Co., New York, N. Y. Filed Apr. 22, 1924.

"TEX-IN-TAKT"

Particular description of goods.—Woolen Piece Goods.

Claims use since 1916.

Ser. No. 195,954. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MORRIS GARFUNKEL, New York, N. Y. Filed Apr. 22, 1924.

"EXELOL"
FINISH

No claim is made to the word "Finish" apart from the mark shown on the drawing.

Particular description of goods.—Woolen Piece Goods.

Claims use since February, 1924.

Ser. No. 195,968. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) LOUIS LEVY, doing business as O. K. Bottler's Supply House, New York, N. Y. Filed Apr. 22, 1924.



No claim is made to the words "The King of All Home Brews" apart from the mark as shown on the drawing. The drawing is lined for shading only.

Particular description of goods.—Malt Sirup.

Claims use since Aug. 1, 1921.

Ser. No. 196,238. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BENJAMIN E. DALE, doing business as Pacific Playing Card Company, Riverside, Calif. Filed Apr. 28, 1924.



Particular description of goods.—Card Game Played with Cards Illustrated by Figures of Baseball Players and in Decks Similar to Playing Cards.

Claims use since Dec. 10, 1923.

Ser. No. 196,417. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WEST TEXAS FUEL CO., INC., El Paso, Tex. Filed May 1, 1924.



Particular description of goods.—Chicken Feeds—Namely, Mash and Scratch.

Claims use since Jan. 1, 1922.

Ser. No. 196,514. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CHAS. R. DEBEVOISE CO., Newark, N. J., and New York, N. Y. Filed May 3, 1924.

TWINKLE

Particular description of goods.—Sateen in the Piece.

Claims use since Apr. 18, 1924.

Ser. No. 197,151. (CLASS 39. CLOTHING.) F. C. HUYCK & SONS, Albany, N. Y. Filed May 16, 1924.



The mark consists of the words "Kenwood Wool Products" and a panel in outline in which is a representation of a mountain ram occupying a prominent position in the foreground and woods and a portion of a mountain range forming the background. No claim is made to the words "Wool Products" apart from the mark shown in the drawing.

Particular description of goods.—Bath Robes.

Claims use since about Feb. 1, 1923.

Ser. No. 197,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HERMANN SCHMIDT, doing business as Goiter Remedy Company, Buffalo, N. Y. Filed May 21, 1924.

Vegosal

Particular description of goods.—Preparation for Treating Goiter.

Claims use since about Mar. 14, 1924.

Ser. No. 197,698. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERTOL DRUG CORP., Jamaica, N. Y. Filed May 28, 1924.

Y-COUGH

No claim is made to the word "Cough" apart from the mark as shown.

Particular description of goods.—Liquid Preparation for Coughs, Colds, Hoarseness, Croup, Asthma, and Affections of the Bronchial Tubes and Lungs.

Claims use since Mar. 17, 1919.

Ser. No. 198,199. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM TAGGART, Ballysillan, Belfast, Ireland. Filed June 6, 1924.

WI-TA

Particular description of goods.—Alteratives, Analgesics, Anaphrodisiacs, Anesthetics, Anodynes, Antacids, Anthelmintics, Antichlorotics, Antiemetics, Antiepileptics, Antigalactagogues, Antigonorrheics, Antihidrotics, Antilithics, Antineuralgics, Antiparasitics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antisialagogues, Antispasmodics, Antizymotics, Aperients, Aphrodisiacs, Astringents, Cardiac Sedatives, Cardiac Stimulants, Carminatives, Cathartics, Cerebral Depressants and Stimulants, Cholagogues, Constructives, Counter-irritants, Demulcents, Deodorants, Deoxidizers, Depilatories, Depressants, Diaphoretics, Digestives, Discutients, Disinfectants, Diuretics, Ecbolics, Emetics, Emmenagogues, Errhines, Escharotics, Expectorants, Galactagogues, Gastric Tonics, Hemostatics, Hypnotics, Irritants, Laxatives, Motor Depressants, Motor Excitants, Mydriatics, Myotics, Narcotics, Nervines, Nutrients, Oxytocics, Ptyalagogues, Purgatives, Pustulants, Refrigerants (Medicinal), Resolvents, Respiratory Depressants, Respiratory Stimulants, Restoratives, Rubefacients, Sedatives, Sialagogues, Soporifics, Sternutatories, Stimulants (Cardiac, Cerebral Hepatic), Stomachics, Styptics, Sudorifics, Taniafuges, General Tonics, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vesicants; Chemicals and Drugs—Namely, the following: Acacia, Acetanilide, Acetone, Acetphenetidine; Acids—Namely, Acetic, Acetic Anhydride, Glacial Acetic, Acetylsalicylic, Arsenous; Arsenic, Trioxide; Benzoic, Boric, Carbolic, Chromic, Citric, Gallic, Hydriodic, Hydrobromic, Hydro-

chloric, Hydrofluoric, Hypophosphorus, Lactic, Molybdic, Nitric, Nitrohydrochloric, Oleic, Oxalic, Phosphoric, Glacial Phosphoric, Phosphotungstic, Pyrogallic, Salicylic, Stearic, Sulphuric; Sulphuric, Aromatic; Sulphurous, Tannic, Tartaric, Trichloracetic, Aconite Root, Aconitine Crystals; Alcohol, Dehydrated; Alcohol, Methyl; Allspice (Pimenta) for Medicinal Purposes, Aloes, Aloin, Althea; Aluminum Compounds—Namely, the Following: Alum, Ammonium; Alum, Exsiccated; Alum, Chrome; Alum, Ferric; Aluminum Acetate, Aluminum Nitrate, Aluminum Sulphate; Ammonia and Ammonium Compounds—Namely, Ammonia Water; Ammonium Benzoate, Bromide, Carbonate, Chloride, Chromate, Citrate, Hypophosphite, Iodide, Molybdate, Nitrate, Oxalate, Persulphate, Phosphate, Salicylate, Sulphate, Sulphocyanate, Tartrate, Valerate; Amyl Acetate, Amyl Nitrate, Amylopsin, Anise; Antidote, Arsenic; Antimony and Potassium Tartrate, Antipyrine, Aqua Ammonia, Arnica Flowers and Arnica Root, Aromatized Castor Oil, Arsenic Iodide, Asbestos Wool, Aspirin, Atropin, Atropine Sulphate, Baking Powder; Balsam Peru, Balsam Tolu; Barium Compounds—Namely, Barium Acetate, Carbonate, Chloride, Dioxide, Hydroxide, Nitrate, Sulphate; Belladonna, Benzaldehyde, Benzoin, Benzol (Benzene), Benzonaphthol, Betanaphthol, Betanaphthol Benzoate; Bismuth Compounds—Namely, Bismuth Milk, Bismuth Citrate, Nitrate, Oxide, Oxychloride, Oxyiodide, Subcarbonate, Subgallate, Subnitrate, Subsalicylate, Bismuth and Ammonium Citrate, Bloodroot, Borax, Buchu, Burow's Solution, Cacao Butter for Medicinal Purposes, Cadmium Iodide, Cadmium Nitrate, Cadmium and Potassium Iodide, Cadmium Sulphate, Caffeine, Caffeine Benzoate; Caffeine, Citrated; Caffeine Hydrobromide, Caffeine and Sodium Benzoate, Caffeine and Sodium Salicylate; Calcium Compounds—Namely, Calcium Acetate, Bromide, Carbonate, Chloride, Glycerophosphate, Hypophosphite, Lactate, Lactophosphate, Oxide, Phenolsulphonate, Phosphate, Sulphide; Calendula, Calisaya Bark, Calomel, Calumba, Camphor; Camphor, Monobromated; Cantharides, Capsicum, Carbon Disulphide, Carbon Tetrachloride, Cardamom, Cardamom Compound, Cascara Sagrada, Caustic Potash, Caustic Soda, Cerium Oxalate; Chalk, Precipitated; Camomile, Charcoal; Chloral, Camphorated; Chloral, Hydrated; Chloramine T, Chlorosane, Chlorinated Eucalyptol, Chloroform, Cinchona, Cinchona Compound; Cinchona, Red; Cinchonidine, Cinchonidine Salicylate, Cinchonidine Sulphate, Cinchonine, Cinchonine Sulphate, Cinnamon, Cassia, Cloves, Cobalt Chloride, Cobalt Nitrate, Cocaine and Cocaine Salts, Cochineal, Codeine and Codeine Salts, Colchicine, Cold Cream, Collodion, Confection Senna, Copper Acetate, Copper Sulphate, Corrosive Sublimate, Creosote (Wood), Creosote Carbonate, Cresol, Cubeb, Cudbear, Diacetylmorphine, Diastase from Malt, Diastase from Pancreas, Dichloramine T, Digitalin, Digitalis, Digitoxin, Eriodictyon, Ether; Ether, Acetic; Ethyl Bromide, Ethyl Chloride, Eucalyptol, Eucalyptus, Eugenol, Fennel, Food Allergens, Foxglove, Gentian, Gentian Compound, Ginger for Medicinal Purposes, Glycerin, Glycerites, Glycyrrhiza (Licorice Root), Gold Chloride, Gold and Sodium Chloride, Guaiac Resin, Guaiacol Carbonate, Gum Arabic, Gum Benjamin, Hairone Tablets; Hellebore, American; Hemoglobin, Henbane, Hexamethylenamine, Hydrastine, Hydrastine Hydrochlorid, Hydrogen Peroxide, Hyoscyamus, Hypodermic Tablets, Iodine, Iodoform, Ipecac; Iron and Iron Compounds—Namely, Iron, Reduced; Iron Albuminate, Arsenate Cacodylate, Carbonate; Carbonate, Saccharated; Chloride, Ferric; Ferrocyanide, Glycerophosphate, Hydroxide with Magnesium Oxide, Hypophosphite, Lactophosphate; Oxide, Red, Saccharated; Peptonate, Peptonate with Manganese, Phenolsulphate, Phosphate, Pyrophosphate, Subcarbonate, Subsulphate, Sulphate, Iron and Ammonium Citrate, Iron and Ammonium Sulphate, Iron and Ammonium Tartrate, Iron and Manganese Peptonate, Iron and Potassium Tartrate, Iron and Quinine Citrate; Iron, Quinine, and Strychnine Citrate; Iron and Strychnine Citrate, Jalap; Kaolin, Medicinal; Kaolin Poultice, Krameria, Lanolin; Lard, Benzoinated; Laudanum, Lavender Compound, Lead Acetate, Lead Carbonate, Lead Nitrate, Lead Oxide, Lead Peroxide, Leucocyte, Licorice, Lime for Medicinal Purposes; Lime, Chlorinated; Lime, Hydrated; Lime, Sulphureted; Liquid Petroleum, Lithia Tablets, Lithium Benzoate, Lithium Bromide, Lithium Carbonate, Lithium Citrate, Lithium Glycerophosphate, Lithium Salicylate, Lithium Tartrate, Litmus Paper, Lobelia, Lupulin, Mace, Magma Bismuth, Magma Magnesia; Magnesium Compounds—Namely, Magnesia; Magnesium Carbonate, Chloride, Citrate, Glycerophosphate, Hypophosphite, Phosphate, Salicylate, Sulphate; Magnesium and Ammonium Phosphate; Manganese Compounds—Namely, Manganese Chloride, Citrate, Dioxide, Glycerophosphate, Hypophosphite, Oxide, Sulphate; Marigold, Matricaria, Menthol; Mercury and Mercury Compounds—Namely, Mercury; Mercury, Ammoniated; Mercury Bromide, Chloride, Iodide, Oleate, Oxide, Salicylate, Subsulphate, Sulphide, Tannate; Mercury and Ammonium Chloride, Mercury with Chalk; Methyl Acetate, Methyl Salicylate, Methylthionine, Milk of Bismuth, Milk of Magnesia, Morphine, Morphine Salts, Mustard for Medicine Purposes, Myrrh, Nickel Nitrate, Nickel Sulphate, Nickel and Ammonium Sulphate, Nutmeg for Medicinal Purposes, Nux Vomica; Oil Betula, Oil Bitter Almond; Oil, Camphorated; Oil, Castor; Oil, Castor, Aromatised; Oil, Cod Liver; Oil, Ethereal; Oil Peppermint for Medicinal Purposes, Oil Theobroma, Oleoresin Capsicum, Oleoresin Cubeb, Oleoresin Ginger, Oleoresin Male Fern, Ophthalmic Tablets, Opium, Opodeldoc, Orange Peel for Medicinal Purposes, Ox Gall, Pancreatin, Paprika for Medicinal Purposes, Paraldehyde, Paregoric, Pareira, Pepper for Medicinal Purposes, Pepsin; Pepsin, Saccharated; Peptone, Peptonizing Powder, Peptonizing Tubes; Petrolatum, Liquid; Phenazone, Phenolphthalein, Phenyl Salicylate (Salol), Phenylacetamide, Physostigmine (Eserine), Physostigmine Salicylate, Physostigmine Sulphate, Pilocarpine Hydrochloride, Pilocarpus (Jaborandi), Pimenta, Podophyllin; Potassium Compounds—Namely, Potassa, Sulphureted; Potassium Acetate, Benzoate, Bicarbonate, Binoxalate, Bisulphate, Bitartrate, Bromate, Bromide, Carbonate, Chlorate, Chloride, Chromate, Citrate, Dichromate, Ferricyanide, Ferrocyanide, Glycerophosphate, Hydroxide, Hypophosphite, Iodide, Nitrate, Oxalate, Permanganate, Persulphate, Phenolsulphate, Phosphate, Sulphate, Sulphide, Sulphocarbolate, Sulphocyanate, Tartrate; Potassium and Sodium Tartrate; Protargentum, Pyrogallol, Quinine; Quinine Salts—Namely, Quinine Bisulphate, Dihydrochloride, Glycerophosphate, Hydrobromide, Hydrochloride, Hypophosphite, Phosphate, Salicylate, Sulphate, Tannate, Valerate; Quinine and Urea Hydrochloride, Resanin, Resin Jalap, Resin Podophyllum, Resin Scammony, Resorcinol, Rhatany, Rhubarb, Saccharin, Salol; Salt, Carlsbad, Artificial; Salt, Kissingen, Artificial; Salt, Vichy, Artificial; Sanguinaria, Santonin, Scopolamine Hydrobromide, Seidlitz Powder, Senna; Silver, Colloidal; Silver Nitrate, Silver Protein; Sodium Compounds—Namely, Sodium Acetate, Acid Phosphate, Arsenate, Arsenite, Benzoate, Bicarbonate, Biphosphate Bisulphate, Bisulphite, Bitartrate, Borate, Bromide, Cacodylate, Carbonate, Chlorate, Chloride, Citrate, Cyanide, Glycerophosphate, Glycerosbolate, Hydroxide, Hypophosphite, Iodide, Nitrate, Nitrite, Nitroprusside, Oxalate, Phenolsulphonate, Phosphate, Phosphate Compound, Pyrophosphate, Salicylate, Sulphate, Sulphite, Tartrate, Thiosulphate, Sodium and Ammonium Phosphate, Solargentum, Spartein Sulphate, Squill; Strontium Compounds—Namely, Strontium Acetate, Arsenite, Bromide, Chloride, Iodide, Lactate, Nitrate, Salicylate; Strophanthin, Strychnine Salts and Compounds, Sugar of Milk, Sulphonethylmethane, Sulphonmethane, Sulphur, Suppositories, Suprarenals, Tartar Emetic, Terpin Hydrate, Theobromine, Theobromine and Sodium Salicylate, Thiosinamine, Thromboplastin, Thymol, Thymol Iodide; Thyroid Gland, Dried; Tin Chloride, Stannous; Toluol (Toluene), Tragacanth, Uranium Acetate and Nitrate, Urease, Valerian, Vanillin, Veratrum Viride, White-Pine Bark, White-Pine Compound, Wild Cherry, Yerba Santa; Zinc Compounds—Namely, Zinc Acetate, Bromide, Carbonate Chloride, Iodide, Oxide, Phenolsulphonate, Stearate, Sulphate, Sulphide, Valerate; Biological Products—Namely, the Following: Antitoxins, Serums, Bacterial Vaccines, Smallpox Virus, Antirabic Vaccine, Leucocyte Extract, Thromboplastin, Veterinary Products, Ophthalmic Mallein, Mallein Solution. The Above Mentioned Products May Be in Any One or Another of the Following Forms: Ampuls, Crude Drugs, Crystals, Elixirs, Extracts, Gases, Liquids, Lozenges, Mixtures, Ointments, Powders, Serums, Solids, Solutions, Spirits, Sirup, Tablets, Tinctures, Troches, and Vaccines.

Claims use since Feb. 3, 1923.

Ser. No. 198,427. (CLASS 39. CLOTHING.) HOYT E. SLAYTON, Manchester, N. H. Filed June 11, 1924.

BEACON

ADJUSTABLE ARCH SHOE

The words "Adjustable Arch Shoe" are disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers Made Wholly or in Part of Leather, Rubber, Canvas, or Textile Material.

Claims use since Oct. 1, 1923.

Ser. No. 198,440. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KATHRYN A. ALLAN, doing business as Allan Cosmetic Company, New York, N. Y., also as Volnay, New York and Paris. Filed June 12, 1924.

SEVEN FACES

Particular description of goods.—Face Powder, Cold Cream, Vanishing Cream, Tissue Cream, Face and Hand Lotion, Brilliantine, Toilet Water, Perfumes and Extracts, Lip Sticks, Talcum and Sachet Powder, Face Rouge, Bath Salts, Liquid Face Powder, Tooth Paste, and Bay Rum.

Claims use since May 2, 1924.

Ser. No. 198,769. (CLASS 43. THREAD AND YARN.) UNITED STATES RUBBER COMPANY, New Brunswick, N. J., and New York, N. Y. Filed June 18, 1924.

REVERE

Particular description of goods.—Rubber Thread.

Claims use since September, 1884.

Ser. No. 199,324. (CLASS 39. CLOTHING.) RICHMOND HOSIERY MILLS, Rossville, Ga. Filed June 28, 1924.

"From Field to Feet"

Particular description of goods.—Hosiery and Knitted and Netted Underwear.

Claims use since 1907.

Ser. No. 199,626. (CLASS 33. GLASSWARE.) INCANDESCENT SUPPLY COMPANY, New York, N. Y. Filed July 5, 1924.

ISCO

Particular description of goods.—Bowls, Shades, Chimneys, Canopies, Fitters, Domes, Reflectors, Hangers, Fringes, and Prisms, All Made of Glass.

Claims use since Oct. 2, 1911.

Ser. No. 199,808. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) WADSWORTH, HOWLAND & CO. INCORPORATED, Boston, Mass. Filed July 10, 1924.

VARNADUL

Particular description of goods.—Varnish.

Claims use since Dec. 18, 1923.

Ser. No. 200,819. (CLASS 45. BEVERAGES, NONALCOHOLIC.) KOLA-MIST SYRUP AND EXTRACT CO., Scotland Neck, N. C. Filed Aug. 1, 1924.

Kola-Mist

Particular description of goods.—Nonalcoholic Maltless Beverage Sold as a Soft Drink and Sirups and Extracts for Making the Same.

Claims use since Jan. 1, 1923.

Ser. No. 200,879. (CLASS 39. CLOTHING.) THE FLORSHEIM SHOE COMPANY, Chicago, Ill. Filed Aug. 2, 1924.



The word "Arch" is disclaimed apart from the mark shown.

Particular description of goods.—Men's Leather Shoes.
Claims use since Mar. 15, 1922.

Ser. No. 202,476. (CLASS 2. RECEPTACLES.) AMERICAN LAKES PAPER COMPANY, Chicago, Ill. Filed Sept. 11, 1924.



Particular description of goods.—Paper Bags.
Claims use since about July 23, 1923.

Ser. No. 202,702. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HENKEL & CIE. GESELLSCHAFT MIT BESCHRÄNKTER HAFTUNG, Dusseldorf-Holthausen, Germany. Filed Sept. 17, 1924.

Dixin

Particular description of goods.—Preparation for Bleaching and Disinfecting Purposes.
Claims use since July, 1912.

Ser. No. 202,953. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) RHEINISCHE METALLWAAREN-UND MASCHINENFABRIK, Dusseldorf-Derendorf, Germany. Filed Sept. 23, 1924.

RHEINMETALL

Particular description of goods.—Pistols, Revolvers, Automatic Revolvers, Hunting Rifles, Sporting Rifles, and Military Rifles, Shotguns, Fuses, Guns, Explosives, Fireworks, Projectiles, Shots, Shells, and Ammunition.
Claims use since May 7, 1919.

Ser. No. 202,954. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) RHEINISCHE METALLWAAREN-UND MASCHINENFABRIK, Dusseldorf-Derendorf, Germany. Filed Sept. 23, 1924.



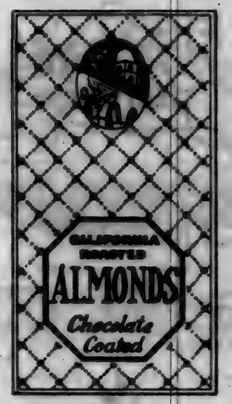
Particular description of goods.—Pistols, Revolvers, Automatic Revolvers, Hunting Rifles, Sporting Rifles, and Military Rifles, Shotguns, Fuses, Guns, Explosives, Fireworks, Projectiles, Shots, Shells, and Ammunition.
Claims use since Oct. 30, 1919.

Ser. No. 203,078. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MRS. H. T. GRAHAM, Brownwood, TEX. Filed Sept. 26, 1924.



No claim is made to the words "Creme" and "The Ideal Beautifier" in drawing apart from the mark shown.
Particular description of goods.—Face-Cream Powder.
Claims use since July 1, 1924.

Ser. No. 203,825. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KO-KO KANDY CO., San Francisco, Calif. Filed Oct. 13, 1924.



The trade-mark consists of the representation of a bridge with a tower shown in the background, and no claim is made for the other features of the mark, including the words "California Roasted Almonds, Chocolate Coated," apart from the mark shown.
Particular description of goods.—Chocolate-Coated Almonds.
Claims use since Aug. 21, 1924.

Ser. No. 204,338. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE UNITED FIG & DATE COMPANY, Chicago, Ill. Filed Oct. 22, 1924.

BRAZILETTES

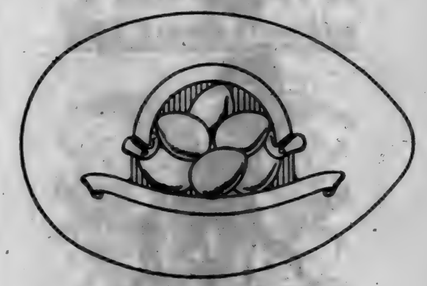
Consists of the coined word "Brazilettes."
Particular description of goods.—Nut product consisting of Shelled Brazil Nuts Sliced and Salted.
Claims use since Sept. 9, 1924.

Ser. No. 204,349. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CENTRAL KANSAS MILLING COMPANY, Lyons, Kans., doing business as The Saxman Milling Company, Saxman, Kans. Filed Oct. 24, 1924.



Particular description of goods.—Wheat Flour.
Claims use since Oct. 1, 1918.

Ser. No. 204,685. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) VINELAND CO-OPERATIVE POULTRY ASSO., INC., Vineland, N. J. Filed Oct. 31, 1924.



No claim is made for the representation of eggs apart from the mark as shown.
Particular description of goods.—Eggs.
Claims use since Dec. 28, 1922.

Ser. No. 204,926. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) AUDIOTONE COMPANY, Green Bay, Wis. Filed Nov. 6, 1924.

AUDIOTONE
INC.
IT TONES THE HEARING

No claim is made to the use of the words "It Tones the Hearing" apart from the trade-mark shown.
Particular description of goods.—Apparatus for the Treatment of Deafness and Impaired Hearing.
Claims use since July 22, 1924.

Ser. No. 205,242. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HENRY C. THOMPSON, Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 12, 1924.



Drawing contains the colors blue and yellow, as shown in the color lines therein.
Particular description of goods.—Automobile Polishes—Namely, Wax Polish for Automobiles and Polishes for Automobile Bodies.
Claims use since Oct. 31, 1924.

Ser. No. 205,918. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. A. GAMBRILL MANUFACTURING COMPANY, INCORPORATED, Ellicott City, Md. Filed Nov. 28, 1924.



The geographical word "Patapsco" and the descriptive word "Flour" are hereby disclaimed apart from the other features of the mark sought to be registered.

Particular description of goods.—Wheat Flour.

Claims use since Mar. 15, 1924.

Ser. No. 206,182. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CARLOS MOLL, Buenos Aires, Argentina. Filed Dec. 2, 1924.



Particular description of goods.—Hand, Circular, and Band Saws, Axes, Hatches, Adzes, and Hammers.

Claims use since Sept. 30, 1916.

Ser. No. 206,331. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STANDARD LABORATORIES, INC., Los Angeles, Calif., and New York, N. Y. Filed Dec. 5, 1924.



No registration rights are claimed for the words "Gives the Hair a Well Groomed Appearance" apart from the mark shown in the drawing. The drawing has been lined for color—vis, gold and yellow.

Particular description of goods.—Pomades for the Hair.

Claims use since about 1921.

Ser. No. 206,529. (CLASS 39. CLOTHING.) L. J. & C. D. JAFFER, INC., New York, N. Y. Filed Dec. 10, 1924.



Particular description of goods.—First Long Pants Suits Designed for Boys in the Transitional Stages Between the Ages of 13 and 17 Years.

Claims use since July 18, 1924.

Ser. No. 206,827. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) M. S. CHOW, INC., Shanghai, China; Chicago, Ill.; and Santa Barbara, Calif. Filed Dec. 17, 1924.



Particular description of goods.—Chinese Rugs of Woven Silk or Wool, Laces, and Embroideries in Bolts.

Claims use since June 1, 1921.

Ser. No. 206,941. (CLASS 2. RECEPTACLES.) COLUMBIAN STEEL TANK COMPANY, Kansas City, Mo. Filed Dec. 19, 1924.



Particular description of goods.—Sheet-Metal Bins and Tanks.

Claims use since June 1, 1924.

Ser. No. 207,031. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE C. D. JARRATT COMPANY, San Antonio, Tex. Filed Dec. 22, 1924.



No claim is made to the word "Brand," nor to the words "Car Lot Distributors," nor "San Antonio, Texas," nor "The C. D. Jarratt Company" apart from the other features of mark.

Particular description of goods.—Texas Vegetable—Namely, Fresh Spinach.

Claims use since Nov. 10, 1924.

Ser. No. 207,186. (CLASS 39. CLOTHING.) ERD MARSHALL CO., Port Huron, Mich. Filed Dec. 24, 1924.

ERD-MAR

Particular description of goods.—Aprons, Bibs, Bloomers, Bonnets; Boots Composed of Leather, Rubber, Fabric, or Combinations Thereof; Brassières, Bath Robes, Beach Capes, Bathing Suits; Coats for Men, Women, and Children; Corsets; Caps for Men, Women, and Children; Collars, Cuffs, Cravats, Dresses; Gloves Composed of Leather, Rubber, Fabric, or Combinations Thereof; Garters, Hosiery; Hats for Men, Women, and Children; Kimonos, Knickers; Moccasins Composed of Leather, Rubber, Fabric, or Combinations Thereof; Mittens Composed of Leather, Rubber, Fabric, or Combinations Thereof; Neckties, Overalls, Pantalets, Pyjamas, Shoes Composed of Leather, Rubber, Fabric, or Combinations Thereof; Slippers Composed of Leather, Rubber, Fabric, or Combinations Thereof; Supporters, Suspenders, Scarfs; Sport Suits for Men, Women, and Children; Shirts, Dress, Negligee, Work, or Under of Knitted or Textile Fabric; Sweaters for Men, Women, and Children; Underwear of Knitted or Textile Fabric for Men, Women, and Children, and Waists.

Claims use since April, 1922.

Ser. No. 207,264. (CLASS 15. OILS AND GREASES.) JAMES E. SCHLOTT, Omaha, Nebr. Filed Dec. 26, 1924.

GOLD BOND

Particular description of goods.—Lubricating Oils.

Claims use since Apr. 5, 1914.

335 O. G.—37

Ser. No. 207,438. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN GROCER COMPANY, Little Rock, Ark. Filed Dec. 30, 1924.



The word "American" is disclaimed apart from the other features of the trade-mark shown in the drawing.

Particular description of goods.—Rice, Wheat Flour, Corn Meal, Corn Chops, Shorts, Poultry Feed, Chick Feed, and Stock Feed.

Claims use since Aug. 1, 1924.

Ser. No. 207,439. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN GROCER COMPANY, Little Rock, Ark. Filed Dec. 30, 1924.



The word "American" is disclaimed apart from the other features of the trade-mark shown in the drawing.

Particular description of goods.—Rice, Wheat Flour, Corn Meal, Corn Chops, Shorts, Poultry Feed, Chick Feed, and Stock Feed.

Claims use since Aug. 1, 1924.

Ser. No. 207,578. (Class 46. FOODS AND INGREDIENTS OF FOODS.) JOHN F. JELKE COMPANY, Chicago, Ill. Filed Jan. 2, 1925. Under ten-year proviso.

HOLSTEIN BRAND

The word "Brand" is disclaimed apart from the mark as shown in the drawing.

Particular description of goods.—Oleomargarine.

Claims use since May 1, 1894.

Ser. No. 207,693. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) GEORGE MADISON STUBBLEFIELD, doing business as Egroeg Chemical Co., Kirksville, Mo. Filed Jan. 5, 1925.

EGROEGS

Particular description of goods.—Vaginal Suppositories.
Claims use since Jan. 1, 1911.

Ser. No. 207,814. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDW. FOX BAKING CO., York, Pa. Filed Jan. 8, 1925.



No claim is made to the words "Patent Bread Edw. Fox Baking Co." or the representation of the goods apart from the mark as shown.
Particular description of goods.—Bread.
Claims use since Dec. 10, 1924.

Ser. No. 207,904. (CLASS 15. OILS AND GREASES.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Jan. 9, 1925.



J. R. Watkins

The trade-mark is a portrait of J. R. Watkins, deceased, and a facsimile of his signature.
Particular description of goods.—Sewing-Machine Oil and Motor Oil.
Claims use since Jan. 11, 1894.

Ser. No. 208,090. (CLASS 39. CLOTHING.) AMERICAN MAID UNDERGARMENT CO., New York, N. Y. Filed Jan. 14, 1925.



Particular description of goods.—Ladies' and Misses' Gowns, Bloomers, Step-Ins, Chemises, Princess Slips, and Pantalets.
Claims use since about Jan 5, 1925.

Ser. No. 208,097. (CLASS 15. OILS AND GREASES.) GENERAL PETROLEUM CORPORATION, Los Angeles, Calif. Filed Jan. 14, 1925.

GENERAL

Particular description of goods.—Oils and Greases having a Mineral Base, including Burning Oils, Motor Fuels, Fuel Oils, and Lubricants.
Claims use since Dec. 6, 1923.

Ser. No. 208,216. (CLASS 39. CLOTHING.) M. ALPERIN & SONS, INC., Memphis, Tenn. Filed Jan. 17, 1925.



Applicant disclaims the exclusive use of the words "Wears Best" apart from the trade-mark shown.
Particular description of goods.—Hosiery and Underwear of Knitted and Textile Fabrics.
Claims use since Jan. 1, 1924.

Ser. No. 208,286. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE FAULTLESS RUBBER COMPANY, Ashland, Ohio. Filed Jan. 19, 1925.

FOUR SQUARE

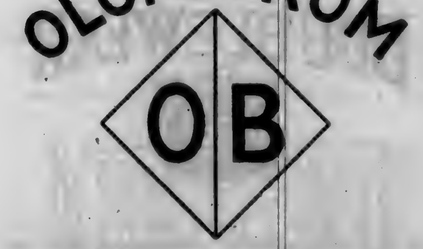
Particular description of goods.—Golf Balls.
Claims use since Jan. 8, 1925.

Ser. No. 208,302. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAMUEL LEWIS, New York, N. Y. Filed Jan. 19, 1925.



Trade-mark consists of the words "Clear-Awl."
Particular description of goods.—Cleansing Solvent for Drains.
Claims use since July 1, 1918.

Ser. No. 208,497. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) AKTIEBOLAGET SEPARATOR, Stockholm, Sweden. Filed Jan. 23, 1925.



Particular description of goods.—Enameled Hollow Ware for Cooking and Household Purposes—Namely, Basins, Bowls, Brush Holders, Covers, Chambers, Colanders, Cups, Dippers, Dishes, Ewers, Funnels, Kettles, Jugs, Ladles; Milk, Grain, and Vegetable Boilers; Trays, Dish Pans, and Spittoons, Mugs, Pans, Pitchers, Plates, Pots, Saucers, and Skimmers.
Claims use since on or about Sept. 9, 1924.

Ser. No. 208,582. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FREIBIG, WHITON & CO. INC., Boston, Mass. Filed Jan. 24, 1925.

TRUE-TINT -TINT

Particular description of goods.—Cotton and Linen Sheetings, Drills, and Drapery Cloths of Cotton, Silk, Wool, Artificial Silk, and Combinations of the Same.
Claims use since Jan. 6, 1923.

Ser. No. 208,643. (CLASS 33. GLASSWARE.) FRANKLIN NOVELTIES, INC., Philadelphia, Pa. Filed Jan. 26, 1925.



No claim is made to the words "Franklin Novelties" apart from the mark as shown.
Particular description of goods.—Salad Sets, Cosmetic Jars, Powder-Puff Sets, Tea Tiles, Tray Sets, Lemon Sets, Lamp Shades, Lamp Shields, Butter, Sugar, and Cream Sets, made of Glass.
Claims use since June 12, 1924.

Ser. No. 208,689. (CLASS 15. OILS AND GREASES.) UNITED OIL COMPANY, Pittsburgh, Pa. Filed Jan. 26, 1925.

UNITEOLINE

Particular description of goods.—Lubricating Oils and Greases made from Crude Petroleum or from Crude-Petroleum Products and other Mineral, Vegetable, and Animal Products.
Claims use since Sept. 9, 1921.

Ser. No. 208,908. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOHN MARTIN GLOVER, Augusta, Ga. Filed Jan. 31, 1925.

"Glover's."

The name appearing on the drawing is a facsimile of the signature of applicant. No claim is made to the name "Glovers" except in the manner as written.
Particular description of goods.—Medicine for Whooping Cough.
Claims use since 1895.

Ser. No. 208,978. (CLASS 39. CLOTHING.) GRIP BOW TIE COMPANY, Omaha, Nebr. Filed Feb. 2, 1925.

CROSS PUZZLE

Particular description of goods.—Neckties.
Claims use since Jan. 12, 1925.

Ser. No. 209,115. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Feb. 4, 1925.

Robin Hood

Particular description of goods.—Canned Salmon, Tunny Fish, Sardines, Herring, Roe, and Dried Codfish.
Claims use since 1905.

Ser. No. 209,270. (CLASS 39. CLOTHING.) MAX BACON, New York, N. Y. Filed Feb. 9, 1925.

Bonnie Boy

Particular description of goods.—Boys' Blouses and Jumpers.
Claims use since Feb. 19, 1921.

Ser. No. 209,329. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. R. BINGHAM, Sevastopol, Wis. Filed Feb. 10, 1925.

Bingham's WONDERLAND BRAND Apples

Disclaimer is made to the words "Bingham," "Brand," and "Apples" apart from the mark, as shown in drawing.
Particular description of goods.—Fresh Apples Packed in Barrels, Boxes, or other Packages.
Claims use since Sept. 15, 1923.

Ser. No. 209,396. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK A. GARDNER, doing business as F. A. Gardner & Co., Riverside, Calif. Filed Feb. 11, 1925.

MANZANITA

Particular description of goods.—Cream for Sunburn, Tan, Chapped Hands, Face, and Lips.
Claims use since July 10, 1912.

Ser. No. 209,397. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK A. GARDNER, doing business as F. A. Gardner & Co., Riverside, Calif. Filed Feb. 11, 1925.

NAVAJO

Particular description of goods.—Hair Tonic, Cold Cream, and Cold Tablets.
Claims use since Sept. 10, 1912.

Ser. No. 209,512. (CLASS 39. CLOTHING.) THE VOLLMAN, LAWRENCE CO., Cincinnati, Ohio. Filed Feb. 12, 1925.

"Correct. That's All"

No claim is made to the word "Correct" apart from the mark shown in the drawing.
Particular description of goods.—Women's Leather Shoes.
Claim use since June 4, 1924.

Ser. No. 209,524. (CLASS 39. CLOTHING.) BLUM & SPIEGELMAN, New York, N. Y. Filed Feb. 13, 1925.

DOUBLEWEAR

The words "Double Wear" are disclaimed apart from the mark shown.
Particular description of goods.—Men's Suits and Overcoats.
Claims use since November, 1919.

Ser. No. 209,562. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) COMMUNIGRAPH COMPANY, INC., New York, N. Y. Filed Feb. 14, 1925.

COMMUNIGRAPH

Particular description of goods.—Electrical Typewriting Machines and Parts thereof.
Claims use since Dec. 27, 1924.

Ser. No. 209,585. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) HENRY T. NICHOLS, Spokane, Wash. Filed Feb. 14, 1925.

XL-O

Particular description of goods.—Polishes for Automobiles, Pianos, Furniture, Woodwork, and All Varnished Surfaces.
Claims use since March, 1919.

Ser. No. 209,671. (CLASS 15. OILS AND GREASES.) THE KUNS OIL CO., Minneapolis, Minn. Filed Feb. 16, 1925.

GOLD MEDAL

The words "Gold Medal" are disclaimed apart from the mark shown in the drawing. Also the words "The Best in the World" are disclaimed.
Particular description of goods.—Gasoline, Kerosene, Lubricating Oils, and Greases.
Claims use since Jan. 15, 1910.

Ser. No. 209,756. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT J. VAUGHAN, doing business as Children's Clinical Laboratory, Baker, Oreg. Filed Feb. 17, 1925.

KIDDIESKIT
FOR TEETH AND GUMS



Applicant disclaims the exclusive right to use the words "For Teeth and Gums" apart from the mark shown.
Particular description of goods.—Dental Preparations for Cleaning and Treating the Teeth and Gums.
Claims use since Jan. 1, 1925.

Ser. No. 209,837. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MOUNTAIN VIEW FRUIT ASSOCIATION, Ontario, Calif. Filed Feb. 19, 1925.

BLUE ENSIGN

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit; and Fresh Deciduous Fruits—Namely, Pears, Apricots, Fresh Grapes.
Claims use since July, 1901.

Ser. No. 209,937. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PHILADELPHIA QUARTZ COMPANY, Philadelphia, Pa. Filed Feb. 20, 1925.

RUSTICON
BANISHES BOILER RUST

The conventional lining in the drawing is intended to indicate the color red. No claim is made to the words "Banishes Boiler Rust" apart from the mark shown on the drawing.
Particular description of goods.—Silicate of Soda Used to Prevent Rust and Corrosion in Boilers, Radiators, and Hot-Water Systems of All Sorts.
Claims use since Oct. 11, 1924.

Ser. No. 209,985. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOODALL WORSTED CO., Sanford, Me. Filed Feb. 21, 1925.

NUROTEX

Particular description of goods.—Mohair Piece Goods and Piece Goods of Combinations of Cotton, Wool, Mohair, Alpaca, Camel's Hair, Silk, and Artificial Silk.
Claims use since Jan. 26, 1925.

Ser. No. 210,089. (CLASS 49. DISTILLED ALCOHOLIC LIQUORS.) EGON BRAUN, Hamburg Germany. Filed Feb. 24, 1925.

Egonbra

Particular description of goods.—Brandies, Liqueurs, Punches, Alcoholic Essences, and Extracts for Making Alcoholic Beverages.
Claims use since 1922.

Ser. No. 210,101. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



The letters and words "Made in Louisville, Ky., U. S. A," "Perfection," and "Turner Day & Woolworth Handle Co." are disclaimed apart from the mark shown.
Particular description of goods.—Wooden Tool Handles.
Claims use since Jan. 1, 1910.

Ser. No. 210,104. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



The words and letters "Made in Louisville, Ky., U. S. A.," "Peerless," and "Turner Day & Woolworth Handle Co." are disclaimed apart from the remainder of the mark as shown by drawing.
Particular description of goods.—Wooden Tool Handles.
Claims use since Jan. 1, 1910.

Ser. No. 210,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BEVIL, INC., New York, N. Y. Filed Feb. 25, 1925.



The words "Fifth Ave." and "New York" are disclaimed apart from the trade-mark shown in the drawing.
Particular description of goods.—Nail Polish.
Claims use since on or before Dec. 9, 1924.

Ser. No. 210,133. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa. Filed Feb. 25, 1925.

Renatone

Particular description of goods.—Medicinal Preparation Exercising a Remedial Effect in Disorders of the Kidney and Bladder.
Claims use since Nov. 1, 1924.

Ser. No. 210,256. (CLASS 39. CLOTHING.) THE TRAVELER SHOE COMPANY, Boston, Mass. Filed Feb. 27, 1925.

TRAVELARCH
A Shoe Maker
Traveler Shoe Co.

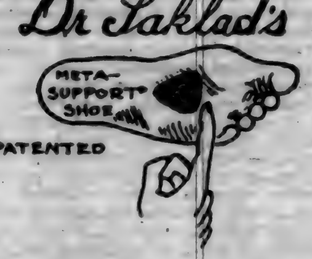
Applicant hereby disclaims exclusive right to the use of the word "Maker," also individual name "L. Wit," and also to the use of the corporate name "Traveler Shoe Co." except in the association shown on its said mark filed herein.
Particular description of goods.—Men's, Women's, and Children's Shoes Made of Leather or Leather in Combination with Rubber, or Leather in Combination with Canvas.
Claims use since Nov. 10, 1924.

Ser. No. 210,292. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DALEY ELECTRIC CHEMICAL COMPANY, Newark, N. J. Filed Feb. 28, 1925.

DECCO

Particular description of goods.—Fluid for Storage Batteries.
Claims use since on or about May 17, 1924.

Ser. No. 210,317. (CLASS 39. CLOTHING.) WILLIAM SAKLAD, Boston, Mass. Filed Feb. 28, 1925.



Applicant disclaims exclusive right to the use of the words "Dr. Saklad's," "Patented," and "Shoe" except in the particular connection and association shown in the mark.
Particular description of goods.—Shoes Made of Leather, Rubber, or Fabric, or of Combinations of These Materials.
Claims use since Jan. 15, 1923.

Ser. No. 210,387. (CLASS 39. CLOTHING.) HARRIS & TIPOGRAPH, INC., New York, N. Y. Filed Mar. 2, 1925.



The words "Genuine Non-Soil Leather" are claimed only in connection with the other features of the mark.
Particular description of goods.—Sweatbands.
Claims use since about 1920.

Ser. No. 210,398. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NEPTUNE SEA FOOD COMPANY, San Diego, Calif. Filed Mar. 2, 1925.

GUERRIERO

TONNO

The descriptive word "Tonno" is hereby disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Canned Fish.
Claims use since December, 1924.

Ser. No. 210,450. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Thespis

Particular description of goods.—Vanishing Cream.
Claims use since Sept. 20, 1921.

Ser. No. 210,461. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

REGULOL

Particular description of goods.—Mineral Oil for the Treatment of Chronic Constipation and Intestinal Stasis.
Claims use since December, 1915.

Ser. No. 210,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925. Under ten-year proviso.

Lehn & Fink

Particular description of goods.—Absorbents, Alteratives, Analgesics, Anaphrodisiacs, Anesthetics, Anodynes, Antisyphilitics, Antacids, Antiarthritics, Anthelmintics, Antichlorotics, Antiemetics, Antiepileptics, Antigalactogogues, Antigonorrheics, Antihydropics, Antilithics, Antineuralgics, Antiparasitics, Antiperiodics, Antiphlogistics, Antipyretics, Antirheumatics, Antiseptics, Antisialogogues, Antispasmodics, Antisymotics, Aperients, Aphrodisiacs, Aromatics, Aromatic Bitters, Astringents, Bitters (Simple), Calefacients, Cardiac Depressants, Cardiac Sedatives, Cardiac Stimulants, Carminatives, Cathartics, Caustics, Cerebral Depressents and Stimulants, Cholagogues, Constructives, Correctives, Counterirritants, Demulcents, Deodorants, Deoxidizers, Depilatories, Depressants, Depresso-Motors, Depurants, Detergents, Diaphoretics, Digestives, Diluents, Discutients, Disinfectants, Diuretics, Drastics, Ecbolics, Emetics, Emmenagogues, Emollients, Errhines, Escharotics, Evacuants, Excitants, Expectorants, Febrifuges, Galactagogues, Gastric Tonics, Hemostatics, Hydrogogues, Hypnotics, Irritants, Laxatives, Local Anesthetics, Motor Depressants, Motor Excitants, Mydriactics, Myotics, Narcotics, Nervines, Neurotics, Nutrients, Nutriants, Oxytocics, Peristaltics, Prophylactics, Protectives, Ptyalagogues, Purgatives, Pustulants, Refrigerants (Medicinal), Resolvents, Respiratory Depressants, Respiratory Stimulants, Restoratives, Revulsants, Rubefacients, Sedatives, Sialogogues, Soporifics, Sorbefacients, Specifics, Sternutatories, Stimulants (Cardiac, Cerebral, Hepatic), Stomachics, Styptics, Sudorifics, Tenicides, Tenifuges, General Tonics, Vasoconstrictors, Vasodilators, Vascular Sedatives, Vermicides, Vermifuges, Vesicants; Acids—Namely, Acetic,

Acetic Anhydride, Glacial Acetic, Acetyl Salicylic, Aconitic, Arsenous, Benzoic, Boric, Butyric, Cacodylic, Camphoric, Carbolic, Cresylic, Cubebic, Chromic, Chrysophanic, Cinnamic, Citric, Creosotic, Diethylbarbituric, Formic, Gallic, Glycerinophosphoric, Hydrobromic, Hydrochloric, Hydriodic, Hydrocyanic, Hydrofluoric, Hypophosphoric, Hypophosphorus, Lactic, Monochloracetic, Nitric, Nucleinic, Oleic, Oxalic, Oxybenzoic, Palmitic, Phosphoric, Phosphoric Glacial, Phenylcinchoninic, Phthalic, Picric, Pyrogallic, Pyrosulphuric, Rosolic, Salicylic, Silicic, Stearic, Succinic, Sulphuric, C. P., Sulphuric Commercial, Sulphurous, Tannic, Tartaric, Valerianic, Chemicals and Drugs—Namely, Abscess Root, Acetanilid, Acacia, Acetphenetidin, Acetyl Chloride, Acid Sodium Oleate, Acid Sodium Phosphate, Aconite Leaves, Aconite Root, Aconite Herb, Aconitine Crystals, Aconitine Nitrate, Aconitine Amorphous, Aconitine Hydrobromide, Adeps Lanæ, Adonidin, Adonis Vernalis, Adrenalin, Æsculin, Agaric White, Agaricin, Agar-agar, Agrimony, Egg Albumen, Albargin Powder, Aletris, Alkanet Root, Althea Root, Allspice, Allyl Isosulphocyanate, Almonds (Bitter and Sweet), Almond Meal, Aloin, Aloes Cape, Aloes Curacao, Aloes Socotrine, Alpha Naphthol, Aluminum Acetate, Aluminum and Potassium, Nitrate Salt, Alum, Aluminum Hydroxide, Alum Ammonia, Aluminum Chloride, Aluminum Nitrate, Aluminum Sulphate, Ambrol; Ammonia and Ammonium Compounds—Namely, Benzoate, Bromide, Carbonate, Acetate, Chloride, Citrate, Ferric Alum, Ferric Sulphate, Hypophosphite, Iodide, Muriate, Nitrate, Oxalate, Persulphate, Phosphate, Picrate, Salicylate, Sulphocyanate, Spirits, Sulphocyanide, Sulphate, Sulphide, Valerate, Ammonia Water; Ambergris Gray, Amyl Acetate, Amyl Nitrite, Amyl Valerate, Amylopsin, Amylene Hydrate, Anemonin, Anethol, Angelica Root, Angelica Seed, Angostura Bark, Anise, Star Anise; Antimony Compounds—Namely, Arsenate, Arsenite, Black, Chloride, Oxide, Sulphide Golden, Sulphurated Tartrate; Antipyrine, Apomorphine Hydrochloride, Apomorphine Hydrobromide, Apomorphine Apocynum, Apocynum Cannabinum, Apple-Tree Bark, Apiol Green, Agaric, Arbutin, Areca Nuts, Arecoline, Arecoline Hydrobromide, Arecoline Hydrochloride, Arbor Vitæ, Aristol, Arnica Flowers, Arnica Root, Argyrol, Aristochin, Arrhenal, Arsenic, Arsenic Chloride, Arsenic Sulphide, Arsenic Trioxide, Arsenic Bromide, Arsenic Iodide, Arsenous Iodide, Arsenous Chloride, Asafetida, Asparagin, Asparagus Root, Asparagus Seed, Atoxyl, Atropine, Atropine Sulphate, Atropine Valerate, Avens Root, Avenin Legumin, Avenin Alcohol, Benzyl Alcohol, Dehydrated Alcohol, Methylic Alcohol, Isobutylic Alcohol, Denatured Alcohol, Bael Fruit, Balm Gilead Buds, Balmony, Balsam Copaiba, Balsam Light, Balsam Fir, Balsam Para, Balsam Peru, Balsam Sulphur, Balsam Tolu, Balsam Cur-Jun, Bamboo Brier Root, Barberry Bark, Barbital Sodium, Barbital; Barium and Its Compounds—Namely, Chloride, Carbonate, Dioxide, Hydroxide, Crystals, Iodide, Nitrate, Peroxide, Sulphate, Sulphide, Sulphite; Bay Laurel, Bayberry Bark, Bear's-Foot Root, Belladonna Leaves, Belladonna Herb, Belladonna Root, Beeswax, Benzaldehyde, Benzoin, Benzole, Benzyl Chloride, Benzyl Benzoate, Benzyl Succinate; Berberin and Salts—Namely, Bisulphate, Hydrochloride, Phosphate, Sulphate, Acid Sulphate, Nitrate; Berberis Aquifolium, Beta Naphthol, Beta Naphthol Benzoate, Beth Root, Bismuth Beta Naphthol, Biebrick Scarlet Red, Birch Bark; Bismuth and Compounds—Namely, Citrate, Ammonium Citrate, Nitrate, Oxide, Subcarbonate, Oxiodide, Subgallate, Phosphate, Salicylate, Subsalicylate, Subcarbonate, Subnitrate, Subsulphate, Trioxide; Bitter Root, Bittersweet Bark, Bittersweet Herb, Bittersweet False, Black-Ash Bark, Blackberry Juice, Blackberry Bark of Root, Black Haw, Black Cohosh, Block Hellebore, Black Pepper, Black-Willow Bark, Black-Willow Buds, Black-Walnut Hulls, Bladder Wrack, Blessed Thistle, Bloodroot, Blue Cohosh, Blue Flag, Blue Mallow, Blue Mass, Bluestone, Boldo Leaves, Boneset, Borage Leaves, Borax, Boxwood, Brain Substance, Bone Black, Bromine, Brompipin, Bromoform, Broomcorn Seed, Broom Tops, Brucine, Bryonia, Bryonin, Buchu, Buckbean Leaves, Buckbean Root, Buckhorn Brake, Buckeye Bark, Buckthorn Bark, Buckthorn Berries, Bugleweed, Burdock Root and Seed, Butterfly Root, Buttornut Bark, Button Snakeroot, Cactin, Cactoid, Cactus Grandiflorus, Caffeine, Caffeine Hydrochloride, Caffeine Citrated, Caffeine Hydrobromide, Caffeine Muriate, Calabar Bean, Calamine, Calamus Root, Calcidin, Calcium Bromide, Calendula, Calcium Chloride; Calcium and Its Compounds—Namely, Cyanamid, Creosote, Formate, Fluoride, Glycerophosphate, Hypophosphite, Hydroxide, Iodide, Lactate, Lactophosphate, Nitrate, Peroxide, Phenosulphonate, Phosphate, Oxylate, Oxide, Permanganate, Salicylate, Sulphate, Sulphide; Calomel, Camphor, Camphor Monobromated, Canella Bark, Cannabin Tannate, Cannabis American, Cannabis Indica, Cantharidine, Cantharides, Capsicum, Capreolin, Carsca, Cocoa Beans, Caramel, Caraway Seed, Carbon Disulphite, Carbon Tetrachloride, Cardamon Seed, Caroba Leaves, Cascara Bark, Casein, Cascara Amarga, Cascara Sagrada, Cascarilla Bark, Cassia, Cassia Fistula, Cassia Ceylon, Caustic Soda (Nitrous), Catechol, Castor Beans, Castor Fiber, Castor Leaves, Castor Oil, Castor-Oil Seeds, Catechu, Catnip Herb, Cayenne, Celandine (Garden), Celery Seed, Celery Root, Celloidin, Centaury Americana, Centaury Minor, Centaury Flowers Blue, Cerium Nitrate, Cerium Oxalate, Cerrhalysin, Cetonine Muriate, Chalk, Chamomile Flowers (German, Roman, and Hungarian), Chaparro Amargoso, Charcoal (Animal, Willow, Short Purified, and Blood), Checkerberry, Chekan Leaves, Cherry Laurel Water, Chestnut Leaves, Chelonoid, Chickweed Red, Chicory Root, Chillies Zanzibar, Chinoidine, Chiretta, Chloral Hydrated, Chloroform, Chlorophyll, Chlorestrin, Chromium Sulphate, Chrysarobin, Cinchona Calisaya, Cinchona Pale, Cinchona Bark Red, Cinchona Yellow; Cinchonidine, Cinchonidine Bihydrobromide, Cinchonidine Hydrobromate, Cinchonidine Salicylate, Cinchonidine Sulphate, Cinchonine, Cinchonine Salicylate, Cinchonine Sulphate, Cinnamon Bark, Cinnamon Saigon, Cinnamic Aldehyde, Citral, Cloavers, Clover (Red and White), Cloves, Cobalt Nitrate, Cacao Butter, Cocaine, Cocaine Hydrochloride, Cocaine Sulphate, Cochineal, Cocillana, Cacao Leaves, Coculus Indicus, Codeine, Codeine Acetate, Codeine Hydrochloride, Codeine Nitrate, Codeine Phosphate, Codeine Sulphate, Codeine Salicylate, Colchicum Root, Colchicum Seed, Colchicine, Colchicine Salicylate, Cocillanna, Collodion, Colocynth Apple, Colocynth Pulp, Coltsfoot, Colombo Root, Comfrey Root, Condurango, Conline, Conline Hydrobromide, Conline Hydrochlorate, Coninum Leaves, Convallemarin, Coolwort, Copper Arsenite, Copper Acetate, Copper Nitrate, Copper Oxide Black, Copper Phosphate, Copper Sulphate, Copper Sulphocarbolate, Cotton-Root Bark, Coriander Seed, Corn Silk, Corpus Luteum, Smut, Corrosive Sublimate Coto Bark, Cottonseed Oil, Couch Grass, Cowhage, Cramp Bark, Crane's-Bill, Cream Tartar, Creosote Beechwood, Creosote Carbonate, Cresol, Cresolis Compound, Cubeb, Cube Gambier, Cudbear, Culver's Root, Cumarin, Cutch, Damiana Leaves, Dandelion, Deer-Tongue Leaf, Dewberry, Dextrine Powder, Dextrose, Diacetyl Morphine, Diastase, Diastase Malt, Digitalin, Digitalis Leaves, Digitoxin, Dittany, Diuretin, Dog-Grass, Dogwood, Duotal, Duboisine Sulphate, Dwarf-Elder Root, Etchinacea Root, Elaterin, Elaterium, Elder Bark, Elder Flowers, Elecampane Root, Elder-Flower Water, Elm Bark (Slippery), Emetine Hydrochloride, Ergot, Eserine, Eserine Salicylate, Eserine Sulphate, Ether, Ether Nitrous Concentrated, Eucalyptol, Ethyl Acetate, Ethyl Bromide, Ethyl Formate, Ethyl Iodide, Eucalyptus Leaves, Euphorbia Pilulifera, Evergreen, Euphorbia Hypericifolia, Euonymin Green, Evening Primrose, Extract of Pine Needles, Extract of Malt, Eyebright Herb, Fennel Seed, Feverfew, Fishberries, Figwort, Five-Flower Gentian, Fleabane, Flaxseed Meal, Fenugreek Seed, Formaldehyde, Formin, Fringe-Tree Bark, Frostwort, Fumitory, Fustic, Guduol, Galangal Root, Guarana, Gambier, Gamboge, Garlic, Garden Lettuce, Gelatin, Gelseminine, Gelseminine Hydrobromide, Gelsemium, Gentian, Ginger (African and Jamaica), Giant Ragweed, Ginger Wild,

Gingerine, Ginseng Root, Glauber Salt, Glucose, Glycerin, Glycyrrhizin, Glycyrrhizin Ammoniated, Goat's Rue, Gold Bromide, Gold Chloride, Gold and Sodium Chloride, Gold Iodide, Gold Tribromide, Goldenrod, Golden Seal, Green Soap, Goldthread, Gravel Plant, Grindelia Robusta, Guaiac, Guaiacol, Guaiacol Carbonate, Guarana, Guaranine; Gums—Namely, Ammoniac, Acacia, Catechu, Chicle, Damar, Euphorbium, Ghatti, Guarana, Galbanum, Kino, Mastic, Myrrh, Opium (Red), Olibanum Tears, Sagapenum, Sandarac, Senegal, Tragacanth, Turpentine; Haircap Moss, Hardhack, Hawthorn Berries, Hellebore (Black and White), Helonias, Hematoxylin, Hemlock, Hemogallol, Hemoglobin, Hemp American White, Henbane, Henna Leaves, Heroin, Heroin Hydrochloride, Histamine Hydrochloride, Horsaria Herb, Hexamethylenetetramine, Homatropine, Homatropine Hydrobromide, Holocaine, Honey, Hops, Horehound Herb, Horse-Chestnut Bark, Horsemint, Horse-Nettle Berries, Horse-Radish Leaves, Horse-Radish Root, Hound's-Tongue, Huckleberry Leaves, Hydrangea, Hydrastine Alkaloid, Hydrastine Hydrochloride, Hydrastine Sulphate, Hydrastin, Hydroquinine, Hydroquinine Hydrochloride, Hydrogen Peroxide, Hyoscine, Hyoscine Hydrobromate, Hyoscine Hydrochloride, Hyoscine Sulphate, Hyoscyamine, Hyoscyamine Hydrobromide, Hyoscyamine Sulphate, Hypophysics, Hyssop, Ichthalbin, Ignatia Bean, Black Hemp, White Hemp, Canadian Hemp, Indian Turnip, Iodine, Iodoform, Insect Flowers, Iodole, Iodalbin, Ionone, Ipecac; Iron and Its Compounds—Namely, Acetate, Albuminate, Ammonia, Arsenate, Arsenite, Arsenite with Ammonium Citrate, Bromide, Dihydrogen, Cacodylate, (Ammonia Citrate), Carbonate Precipitated, Carbonate Mass, Carbonate Saccharated, Chloride, Chloride Solution, Citrate Solution, Citrate scales, Citrate Insoluble, Citrate and Ammonia, Citrate and Manganese, Citrate and Quinine Soluble, Citrate and Quinine Insoluble, Citrate and Strychnine, Citrate-Quinine and Strychnine, Citrate Insoluble Powder Dialyzed, Ferrocyanide, Formate, Glycerophosphate, Hydrocyanate, Hydroxide, Hypophosphate, Hypophosphite, Hyposulphite, Iodide, Lactate, Nitrate Solution, Oxalate, Oxide Powdered, Oxide Saccharated, Oxide Anhydrous, Oxide Hydrate, Oxide Metallic, Peptonized, Peptonate, Phosphate Soluble, Phosphate Precipitated, Protochloride, Protobromide, Pyrophosphate Soluble, Protocarbonate, Pyrophosphate Solution Reduced, Subcarbonate, Subsulphate Solution, Subsulphate, Succinate, Sulphate Ferric, Sulphate Crystals, Sulphate Dried Powdered, Sulphide, Sulphuret, Tartrate and Potassium, Terpinhate, Valerate Ferric, Ironwood, Iron Ivy American, Irish Moss, Jaborandi Leaves, Jalapin, Jalap, Jambul Seed, Jequirity Seed, Jersey Tea, Johnswort Herb, Judas-Tree Bark, Juniper Berries, Kamala, Kaolin, Kava Kava, Kino, Kieselguhr, Kola Nuts, Kousso Flowers, Lactucarium, Lady's-Slipper, Lard Benzoinated, Laurel Leaves, Larkspur Seed, Lavender Flowers, Lead Acetate, Lead Carbonate, Lead Oxide, Lead Metallic, Lead Nitrate, Lead Oxide Red, Lead Oxide Yellow, Lead Peroxide, Lecithin, Lemon Balm, Lemon Peel, Lettuce Leaves, Lettuce Wild, Liverwort Herb, Licorice Root, Licorice-Root Compound Powder, Life Everlasting, Life Plant, Lily Root, Lily of the Valley, Lime Juice, Linden Flowers, Lippa Mexicana, Litharge, Lithia Benzoate, Lithia Benzosalicylate, Lithia Bitartrate, Lithia Bromide, Lithia Carbonate, Lithia Citrate, Lithia Iodide, Lithia Salicylate, Lithia Tartrate, Liverwort, Lobeline Sulphate, Liquor Cresolis Compound, Lobelia Herb, Lobelia Seed, Logwood, Lovage Leaves, Lovage Root, Lungwort, Lupulin, Lycopodium, Red-Rose Leaves, Magnesia Bromide, Magnesia, Magnesia (Calcined), Magnesia (Heavy and Light), Magnesia Citrate, Magnesia Carbonate (Heavy and Light), Magnesia Chloride, Magnesia Formate, Magnesia Glycerophosphate, Magnesia Hypophosphite, Magnesia Iodide, Magnesia Lactate, Magnesia Oxide, Magnesia Nitrate, Magnesia Peroxide, Magnesia Phosphate, Magnesia Phosphate and Ammonia, Magnesia Salicylate, Magnesia Silicate, Magnesia Sulphate, Magnesia Sulphite, Malt, Maidenhair, Magnolia Bark, Malefern Oleoresin, Malva Flowers Blue, Manaca Root, Mammary-Gland Substance, Mammary Gland Desiccated, Mangrove Bark, Mandrake, Mannite; Manganese and Its Compounds—Namely, Citrate Soluble, Carbonate, Citrate, Chloride, Dioxide, Glycerophosphate, Hypophosphite, Iodide, Lactate, Oxide Black, Oxide Heavy, Nitrate, Peptonized, Peptonate, Phosphate, Sulphate, Salicylate; Manna, Manzanita Leaves, Marigold, Marjoram Sweet, Marshmallow (Leaves and Flowers), Marshmallow-Root, Marsh Rosemary, Matico, Mayapple, Menthol; Mercury and Its Compounds—Namely, Ammoniated Benzoate, Bromide, Bisulphate Cyanide with Chalk, Iodide Green, Iodide Red, Iodide Yellow, Nitrate, Oxide Red, Oxide Yellow, Oxide White, Oleate, Oxycyanide, Salicylate, Succinimide, Sozoiodole, Tannate; Mercurous Iodide Yellow, Meta Cresol, Methylene Blue, Methyl Iodide, Methyl Salicylate, Mezereon Bark, Mezereum Bark, Milkweed, Mountain Mint, Mistletoe, Membasa Chillies; Morphine and Its Compounds—Namely, Acetate, Bimeconate, Bromide, Citrate, Diacetyl, Diacetyl Hydrochloride, Diacetyl Hydrobromide, Hydrochloride, Bimeconate, Phosphate, Phthalate, Hydrobromide, Tannate, Sulphate; Valerianate, Tartrate; Motherwort Leaves, Motherwort Herb, Mountain Laurel, Mullein Flowers, Mullein Leaves, Mugwort, Muirapuama, Musk Root, Musk Tonquin, Musk Artificial, Mustard Seed, Myrrh, Moss (Haircap, Iceland, Irish), Mercurial Ointment, Naphthalene, Naphthol Alpha, Naphthol Beta, Naphthol Beta and Bismuth, Naphthol Beta Benzoate, Naphthol Hydrochloride, Narceine, Narcotin, Nettle, Nickel Bromide, Night-Blooming Cereus, Nitroglycerin, Novocain, Novocain Hydrochloride, Nutgalls, Nutmeg, Nux Vomica, Oak Leaves (Jerusalem and Poison), Oak Bark (Red and White), Oats, Oil Apricot Kernels, Oil Almonds Bitter, Oil Almonds True, Oil Almonds Sweet, Oil Amber, Oil Animal, Oil Anise, Oil Staranise, Oil Bay, Oil Balm, Oil Bergamot, Oil Betula, Oil Birch, Oil Cade, Oil Camphor, Oil Cajuput, Oil Calamus, Oil Cardamom, Oil Caraway, Oil Canada Snakeroot, Oil Cassia, Oil Castor, Oil Cedarwood, Oil Celery Seed, Oil Camomile, Oil Chaulmoogra, Oil Cinnamon Ceylon, Oil Cloves, Oil Cod Liver, Oil Chloroform, Oil Copaiba, Oil Coconut, Oil Coriander, Oil Cottonseed, Oil Croton, Oil Cubebs, Oil Cumin, Oil Erigeron, Oil Ethereal, Oil Eucalyptus, Oil Fennel, Oil Geranium, Oil Hazelen, Oil Hemlock, Oil Horsemint, Oil Hyssop, Oil Juniper Berries, Oil Laurel, Oil Lard, Oil Lavender, Oil Linseed, Oil Lemon, Oil Lobelia, Oil Lemon Terpeneless, Oil Mineral, Oil Mustard, Oil Mirbane, Oil Marjoram, Oil Myristica, Oil Neroli, Oil Nutmegs, Oil Olive, Oil Origanum, Oil Attar of Rose, Oil Orange Bitter, Oil Orange Sweet, Oil Orris Root, Oil Parsley Seed, Oil Peanut, Oil Pennyroyal, Oil Pepper Black, Oil Peppermint, Oil Pimento, Oil Pinus Pumilionis, Oil Pine Needles, Oil Rosemary, Oil Sandalwood, Oil Sassafras, Oil Savin, Oil Saw Palmetto, Oil Spearmint, Oil Sesame, Oil Spice, Oil Thuja, Oil Tansy, Oil Tar, Oil Thyme, Oil Turpentine, Oil Verbena, Oil Wine, Oil Wintergreen, Oil Wormwood, Oil Wormseed, Orange-Flower Water, Orange Peel Bitter, Orange Sweet, Orchic Gland Desiccated, Orchic Extract, Orris Root, Orthoform Powder, Opium, Osier Bark (Green), Ovarian Substance Desiccated, Oxgall Powdered Extract, Oxgall Purified Powder, Ovarian Glands Desiccated; Oleoresins, as Follows: Black Pepper, Buchu, Capsicum, Cubeb, Ginger, Lupulin, Malefern, Matico, Parsley Seed, Kava Kava, Saw Palmetto, Panerestin, Pancreas Substance Desiccated, Pancreatin Saccharated, Papain, Paraformaldehyde, Paraldehyde, Pareira Brava, Parilla Yellow, Parsley Root, Parsley Seed, Passion Flower, Pawpaw, Pelletierine, Pellitory Root, Pencil Root, Pennyroyal Leaves, Pepper Black, Pepper White, Peppermint Herb, Pepsin Powder 1:3000, Pepsin Granular 1:3000, Pepsin Glycerole, Pepsin Lacticated, Persimmon, Petrolatum, Petroleum (Amber, Crude, Liquid, White), Phenacetine, Phenolphthalein, Phosphorus Trichloride, Phosphorus Oxychloride, Phosphorus Pentachloride, Phosphorus Spirit N., F., Phosphorus Amorphous, Pichi, Picrotoxin, Pilocarpine, Pilocarpine Hydrochloride, Pilocarpine Nitrate, Pimpinella, Pimento Powdered, Pineal Substance Desiccated, Pinkroot, Pinus Candadensis, Pitcher Plant, Pituitary Substance, Pituitary Gland, Piperazine, Pituitary Anterior Substance, Piperine, Pipsissewa, Plantain,

Pleurisy Root, Placenta Powdered, Podophyllin, Poison-Oak Leaves, Poke Berries, Pokeroot, Pomegranate, Poplar Bark, Poppy Heads, Poppy Flowers, Poppy Leaves; Potassium and Its Compounds—Namely, Acetate, Arsenate, Arsenite, Bicarbonate, Bichromate, Biphosphate, Bisulphate, Bitartrate, Bromate, Bromide, Carbonate Calcined, Chlorate, Chloride Pure, Chromate Yellow, Citrate, Cyanide, Dichromate, Ferrocyanide, Formate, Glycerophosphate, Guaiacol Sulphonate, Manganate, Nitrate, Hypophosphite, Iodide, Iodate, Permanganate, Phosphate, Perchlorate, Persulphate, Prussiate Yellow, Salicylate, Sulphate, Thiocyanate, Sulphocyanate, Tartrate, Prickly-Ash Bark, Prickly-Ash Berries, Princess Pine, Prostate-Gland Substance, Protargol, Pulsatilla Leaves, Pumpkin Seed, Pyramidon, Precipitate Red, Precipitate White, Quassia, Quassin, Quebracho Bark, Queen of the Meadow Leaves, Quince Seed, Quinidine, Quinidine Sulphate; Quinine and Its Compounds—Namely, Acetate, Arsenate, Arsenite, Benzoate, Bimuriate and Urea, Bisulphate, Bromide, Bihydrochloride, Carbolate, Ethyl Carbonate, Chlorohydrosulphate, Citrate Dihydrobromide, Hydrochloride, Ferrocyanide, Formate, Glycerophosphate, Hypophosphite, Lactate, Sulphate, Phosphate, Salicylate, Sulphocarbolate, Tartrate, Tannate Valerate; Raspberry Leaves, Red-Clover Flowers, Red-Clover Tops, Red Root, Red Saunders, Rennin, Resorcin, Resin Scammony, Rhatany Root, Rhubarb, Rhus Aromatica, Rose Leaves, Rosemary, Rose Water, Rosin, Rosinweed, Rue; Resinoids, as Follows: Aletrin, Alnuin, Apocynin, Asclepedin, Baptisin, Cannabin, Cascarin, Caulophyllin, Chionanthin, Cimicifugin, Collinsonin, Colocynthin, Cypripedin, Dioscorein, Euonymin (Brown and Green), Eupurpurin, Fraserin, Gelsemin, Geranin, Gossypiin, Hamamelin (Brown and Green), Helonin, Hydrastin, Irisin, Jalapin, Juglandin, Leptandrin, Lobelin, Lycopin Macrotin, Menispermin, Myricin, Phytolaccin, Prunin, Podophyllin, Rumicin, Sanguinarin, Scutellarin, Senecin, Stillingin, Trillin, Viburnin, Xanthoxylin and Sabadilla Seed, Saccharin, Saffrol, Saffron, Sage Leaves, Salicin, Salol, Salt Rochelle, Sandalwood, Sanguinarin Muriate, Sanguinarin Nitrate, Santonin, Saponin, Sarsaparilla, Sassafras Bark, Savin Leaves, Savory, Saw Palmetto, Saw Palmetto Berries, Saxifrage Root, Scammony Mexican, Scopola Root, Scopolamine Hydrobromide, Sourwood Leaves, Scouring Rush, Skullcap Leaves, Scurvy Grass, Seidlitz Mixture, Senecio Gracilis, Senega Root, Senna, Serpentaria Root, Sheep Laurel, Sheep Sorrel, Shepherd's-Purse, Silver Iodide, Silver Nitrate, Silver Proteinate, Silver Nucleinate, Silver Oxide, Silkweed Root, Simaruba Bark, Skunk Cabbage, Smartweed, Smut Corn, Snakeroot Canada, Snakeroot Virginia, Soap-Tree Bark, Soapwort; Sodium and Its Compounds—Namely, Acetate, Arsenate, Arsenite, Ash, Benzoate, Bicarbonate, Bichromate, Bisulphate, Bisulphite, Borate, Bromide, Cacodylate, Carbonate, Chloride, Gold and Soda Chloride, Cholate, Cinnamate, Citrate, Copaivate, Cyanide, Fluoride, Formate, Glycerophosphate, Glycocholate, Hydroxide, Hypophosphite, Hyposulphite, Iodide, Lactophosphate, Methyl Arsenate, Nitrate, Nitrite, Nucleinate, Perborate, Persulphate, Phenolsulphonate, Phosphate Dry, Pyrophosphate, Salicylate, Santonate, Silicate, Succinate, Sulphate, Sulphite, Sulphocarbolate, Sulpho-Ichthyolate, Sulphide, Stearate, Taurocholate, Thiosulphate, Tartrate, Tungstate, Valerate; Solomon's Seal, Sparteine Sulphate, Spearmint, Spermaceti, Spikenard Root, Squills Root, Starch, Star Grass, Star Root, Stavesacre Seed, Stoneroot, Storax Liquid, Stovaine, St. John's Bread, St. John's Wort, St. Ignatius Bean, Stillingia Root, Stramonium Leaves, Stramonium Seed, Strontium Arsenite, Strontium Bromide, Strontium Carbonate, Strontium Iodide, Strontium Lactate, Strontium Nitrate, Strontium Salicylate, Strophanthin, Strophanthus Seed; Strychnine and Its Compounds—Namely, Arsenate, Arsenite, Acetate, Bromide, Citrate, Cacodylate, Glycerophosphate, Hydrobromide, Hydrochloride, Hypophosphite, Nitrate, Phosphate, Sulphate, Salicylate, Valerianate; Sugar, Milk Sugar, Sulphonethylemethane, Sulphur Balsam, Sulphur Flowers, Sulphur Iodide, Sulphur Precipitated, Sumac Berries, Sumac Bark, Sumac Leaves, Summer Savory, Sumbul, Sundew, Sunflower Seed, Suprarenal Gland, Sweet Basil Leaves, Simple Sirup, Tag Alder, Talcum Powder, Tallow, Tamarack Bark, Tamarinds, Tannin, Tar, Tansy, Tartar Emetic, Terebene, Terra Alba, Terpinol, Terpin Hydrate, Theobromine, Theobromine and Soda Salicylate, Thiosinamine, Thymol, Thyme, Thymus Substance Powder, Thymus Gland, Thymol Iodide, Thyroidin, Thyroids Desiccated, Tilia Flowers, Tin Chloride Toluene, Tonga Bark, Tonga Root, Tonka Beans, Trional, Tragacanth, Trumpet Plant, Turpentine, Venice Turpentine, Turkey Corn, Turpeth Mineral, Turpeth Root, Twin Root, Twin Leaf, Unicorn Root (True and False), Uranium Nitrate, Ustilago Maydis, Uva Ursi Leaves, Valerian Root, Vallet's Mass, Vanilla Beans, Vanillin, Veratrine, Veratrine Hydrochloride, Veratrine Sulphate, Veratrum Viride, Virginia Stone Crop, Wafer Ash Bark, Wahoo Bark of Root, Wahoo Twigs, Walnut Leaves (Black and English), Water Cress, Water Eryngo, Water Fennel, Water Hemlock, Water Pepper, Watermelon seed, White Wax, Yellow Wax, White Poplar Bark, White Pine Bark, White-Pond-Lily Root, White Willow, White-Oak Bark, Wild Carrot, Wild-Cherry Bark, Wild Ginger, Wild Indigo, Wild Lettuce, Wild Turnip, Wild Yam, Wintergreen, Witch-Hazel Bark, Wood Betony, Wormseed, Wormseed Levant, Wormwood, Xanthoriza Root, Yarrow Herb, Yellow Dock, Yellow Root, Yellow Bark, Yerba Reuma, Yerba Santa, Yohimbebe Bark, Yohimbin Hydrochloride, Zedoary Root, Zinc Acetate, Zinc Arsenite, Zinc Borate, Zinc Bromide, Zinc Carbonate Precipitated, Zinc Cyanide, Zinc Chloride, Zinc Iodide, Zinc Oxide, Zinc Perborate, Zinc Peroxide, Zinc Permanganate, Zinc Phenolsulphonate, Zinc Phosphate, Zinc Phosphide, Zinc Stearate, Zinc Sulphate, Zinc Sulphite, Zinc Sulphide, Zinc Valerate. The Above-Mentioned Products May be in Any One or Another of the Following Forms: Fluid Extracts, Tinctures, Solid and Powdered Extracts, Concentrations, Oleates, Oleoresins; Gelatin-Coated, Sugar-Coated, and Enteric Coated Pills; Pink Granules, Hypodermic Tablets, Veterinary Hypodermic Tablets, Ampules, Dispensary Tablets, Tablet Triturates, Compressed Tablets, Sugar-Coated Tablets, Chocolate-Colored Coated Tablets, Elixirs, Wines, Cordials, Sirups, Solutions, Spirits, Waters, Liniments, Ointments, Cerates, Confections, Powders, Soluble Elastic Capsules, Globules, Granular Effervescent Salts, Miscellaneous Products or Specialties, Such as Acetidine Capsules and Tablets, Acid Phosphates, Liquid, Alkaline and Antiseptic Tablets, Analgesic Balm, Antiseptic Disks (Wilson's), Antiseptic Tablets (Bernay's Small Porous, Round), Antiseptic Tablets (Bernay's Small Porous, Oblong), Antiseptic Tablets (Bernay's Special Large Porous, Round), Antiseptic Tablets (Clover Shaped Porous, Not Threaded), Antiseptic Tablets (Cyanide Porous, Round) Antiseptic Tablets (Mercury Bichloride Threaded), Antiseptic Tablets (Potassium Permanganate), Brown Mixture, Brown Mixture Without Opium, Cachous Aromatic, Camphor Phenol, Capsules Dry Filled; Calomel, Rhubarb, and Colocynth Compound; Ferrous Carbonate and Combinations, Quinine Sulphate and Bisulphate All Grainages, Thymol and Milk Sugar, Capsules Empty Gelatin All Sizes; Castor Oil Aromatic, White and Red; Cataplasm of Kaolin N. F., Charcoal Pellets, Chlorodyne American, Cholera-Infantum Mixture, Cocaine Tablets Soluble, Cod-Liver Oil and Preparations Thereof, Cold Cream S. and D., Colloidon U. S. P., Collodion Flexible U. S. P., Liquor Aurantii Dulcis, Liquor Fuscus Dulcis, Liquor Rosæ Dulcis; Corpus Luteum Powder, Capsules, and Tablets; Dobell Tablets Soluble; Elixir Catnip and Fennel, Elixir Chloro-Calcium, Emulsion Petroleum Compound with Hypophosphites of Calcium and Sodium, Ferromanganese Peptonated, Ferromanganese Peptonated with Arsenic, Ferromanganese Peptonated with Cascara, Fowler's Solution, Fowler's Solution Tablets, Glycerin Suppositories, Glycerite Hydrastine and Bismuth, Glycerole of Iron Chloride, Glycerophosphates Compound, Headache Salts, Heliotrope Toilet Powder, Hem-Roid Cones, Hydrogen Peroxide Hypophosphites, Compound without Sugar, Liquor Cresolis Compound U. S. P., Liquor Santalva, Lithia Tablets Effervescent, Lithia and Formin Tablets Effervescent, Lithiated Sorghum Compound Lozenges Compressed All Formulæ, Lozenges Cut Medicated All Formulæ, Medicated-Oil Inhalant, Menthol-Cone Inhaler, Mercurial Ointment U. S. P. 50% Mercury, Mercurial Ointment Diluted U. S. P., Blue Ointment 30% Mercury, Mercurial Ointment Capsules, Milk of Bismuth U. S. P., Milk of Magnesia S. and D., Mineral Oil S. and D., Naseptic Wool, Novocain Tablets Soluble, Ovarian Substance Powder, Capsules and Tablets, Ovaritone, Oxgall Purified, Oxgall Powdered Extract U. S. P., Pancreatin U. S. P., Pan-Peptic Elixir, Pan-Peptic Powder, Pan-Peptic Tablets, Paraffin Compound, Pepsin Lacticated Elixir, Pepsin Lacticated Powdered, Pepsin Saccharated Petrol, Pills in Bulk and Packages All Formulæ, Pituitary Extract, Quinine Pills and Tablets (Sulphate or Bisulphate) All Grainages, Rennet Tablets, Rennin, Root-Beer Flavor, Seidlits Powders, Vanilla Products, Sodio-Phosphate Compound, Sodium Phosphate Granular, Spirits of Amyl Nitrite, Suppositories of Cacao Butter, Horoglyceride and Gelatin All Formulæ; Thyroid Glands, Powder, Capsules, and Tablets; Toilet Powders, Tonic Beef, Tonic Hypophosphites, Tooth Paste, Tooth Powder, Tooth Wash, Unguentum Terralis, Vanilla Extracts, and Zinc Stearate Compound Plain or Perfumed.

Claims use since about 1875.

Ser. No. 210,468. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

SEVILLA
ALMOND MEAL

No claim is made to the words "Almond Meal" apart from the mark as shown.

Particular description of goods.—Almond Meal.

Claims use since 1906.

Ser. No. 210,483. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Vigoris

Particular description of goods.—Scented Spirits Medicated Alcohol.

Claims use since Oct. 13, 1921.

Ser. No. 210,485. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

TUSSO-THYMENE

No claim is made to the word "Thymene" apart from the mark as shown.

Particular description of goods.—Remedy Indicated in the Treatment of Whooping Cough, Winter Colds, Laryngitis, Asthma, Catarrh of the Throat, and Kindred Ailments.

Claims use since May 3, 1923.

Ser. No. 210,498. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) PEBECO, INC., New York, N. Y. Filed Mar. 3, 1925.

PEBECO VENTILATED TOOTH BRUSH

No claim is made to the words "Ventilated Tooth Brush" apart from the mark as shown.

Particular description of goods.—Toothbrushes.

Claims use since August, 1921.

Ser. No. 210,577. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRESCRIPTION HOUSE, OF HOUSTON, Houston, Tex. Filed Mar. 5, 1925.

PETROLAD

Particular description of goods.—Medicine for Internal Use as a Laxative.

Claims use since Feb. 10, 1925.

Ser. No. 210,671. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE LAMAR ALFALFA MILLING CO., Lamar, Colo. Filed Mar. 7, 1925.



The words "Alfalfa Leaf" and "Meal" are not claimed apart from the other features of the mark as shown.

Particular description of goods.—Meal for use in Poultry Mashes.

Claims use since August, 1924.

Ser. No. 210,707. (CLASS 39. CLOTHING.) THE BURKHARDT BROS CO., Cincinnati, Ohio. Filed Mar. 9, 1925.

THE GOAL

Particular description of goods.—Men's Suits, Topcoats, Caps, Sweaters, Hats, and Sport Shirts.

Claims use since Jan. 15, 1925.

Ser. No. 210,712. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHICAGO HAIRDRESSING ACADEMY, INC., Chicago, Ill. Filed Mar. 9, 1925.

Beau-Ideal



The portrait appearing on the drawing is fanciful.
Particular description of goods.—Cleansing Cream, Lemon Cleansing Cream, Cold Cream, Vanishing Cream, Rejuvenating Cream, Developing Cream, Bleaching Cream, Acne Cream, Face Powders, Complexion Beautifier, Rouge Compact, Liquid Rouge, Lip Rouge Stick, Madcap Rouge, Scalp-Treatment Tonic, Clay Pack, Brilliantine Liquid, Brilliantine Concrete, Curling Fluid, Bandoline, Henna, Nail-Polish Powder, Nail-Polish Paste, Liquid Nail Polish, Nail Bleach, Cuticle Cream, Astringent Face Lotion, Bleaching Powder, Bleaching Lotion, Face Enamel, Hand Lotion, Muscle Oil, Depilatory Powder, Eyebrow Coloring, Eyelash Cosmetic.
Claims use since June, 1918.

Ser. No. 210,762. (CLASS 39. CLOTHING.) SIMON MILLINERY SUPPLY CO., San Francisco, Calif. Filed Mar. 9, 1925.

Meadowbrook
FLEXO-WEAVE

No claim is made to the exclusive use of the word "Weave" except in association with the other features of the mark.
Particular description of goods.—Ladies' Hats.
Claims use since Jan. 12, 1925.

Ser. No. 210,802. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., INC., Philadelphia, Pa. Filed Mar. 10, 1925.

BRILLIANTEX

Particular description of goods.—Cotton Goods and Linen Goods, All in the Piece.
Claims use since Feb. 24, 1925.

Ser. No. 210,806. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TENNESSEE TOOL WORKS, INC., Knoxville, Tenn. Filed Mar. 11, 1925.

TRAFFIC LINE

Particular description of goods.—Apparatus or Machines for Marking or Painting Lines or Bands on Streets, Playgrounds, Athletic Grounds, and Other Surfaces.
Claims use since Apr. 16, 1924.

Ser. No. 210,962. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HOLCOMB & HOKE MANUFACTURING COMPANY, Indianapolis, Ind. Filed Mar. 13, 1925.

Butter-Kistwich

Particular description of goods.—Toast-Sandwich Machine.
Claims use since Jan. 15, 1925.

Ser. No. 210,995. (CLASS 5. ADHESIVES.) OTTO L. ALBERTSON, doing business as Klotho Mendo Company, Sioux Falls, S. Dak. Filed Mar. 14, 1925.

Klotho Mendo

Particular description of goods.—General Mending Cement for Cloth, Leather, Rubber, and Paper.
Claims use since Jan. 1, 1925.

Ser. No. 211,063. (CLASS 39. CLOTHING.) HENRY SRENCO, doing business as Trouser Shop, Philadelphia, Pa. Filed Mar. 14, 1925.



No claim is made to the words "The Trouser Shop."
Particular description of goods.—Men's Trousers.
Claims use since Oct. 1, 1923.

Ser. No. 211,146. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y. Filed Mar. 17, 1925.

NOVONETTE

Particular description of goods.—Cotton Piece Goods.
Claims use since Feb. 28, 1925.

Ser. No. 211,152. (CLASS 39. CLOTHING.) M. & H. BLOCK CO., New York, N. Y. Filed Mar. 17, 1925.



No claim is made to the words "Scottish Plaids" apart from the mark as shown.
Particular description of goods.—Flannel Mufflers and Broadcloth Reefers.
Claims use since Feb. 1, 1925.

Ser. No. 211,222. (CLASS 39. CLOTHING.) PARIS WHOLESALE MILLINERY COMPANY, Salt Lake City, Utah. Filed Mar. 18, 1925.

Parmillo

Particular description of goods.—Ladies' Hats.
Claims use since July, 1921.

Ser. No. 211,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BLANKE-WENNEKER CANDY CO., St. Louis, Mo. Filed Mar. 19, 1925.

Sungold

Particular description of goods.—Candy.
Claims use since Feb. 25, 1925.

Ser. No. 211,303. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SPARTAN MILLS, Spartanburg, S. C. Filed Mar. 19, 1925.

PRINCESS

Trade-mark consists of the word "Princess."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1888.

Ser. No. 211,445. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EDWARD MANDELBAUM, New York, N. Y. Filed Mar. 21, 1925.

FILAROLE

Trade-mark consists of the words "Filarole."
Particular description of goods.—Rolls.
Claims use since Feb. 20, 1925.

Ser. No. 211,466. (CLASS 17. TOBACCO PRODUCTS.) WILLIAM SAMPLE FORTUNE, Findlay, Ohio. Filed Mar. 23, 1925.

FORTUNE'S
MIXTURE



No claim is made to the words "Fortunes, Mixture, Mild and Sweet" apart from the mark shown.
Particular description of goods.—Cigars, Cigarettes, Manufactured Smoking Tobaccos, and Leaf.
Claims use since Jan. 1, 1925.

Ser. No. 211,497. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. E. SHARPLESS CO., Philadelphia, Pa. Filed Mar. 23, 1925.



No claim is made for the exclusive use of the words "Pure Pasteurized Butter" apart from the mark shown.
Particular description of goods.—Butter.
Claims use since Jan. 1, 1922.

Ser. No. 211,522. (CLASS 39. CLOTHING.) ENDICOTT JOHNSON CORPORATION, Endicott, N. Y. Filed Mar. 24, 1925.

LOLLY POPS

Particular description of goods.—Babies' Soft-Soled Shoes with Soles of Sheepskin and Uppers of Patent Leather or Kid.
Claims use since about Feb. 12, 1925.

Ser. No. 211,539. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) NAAMLOOZE VENNOOTSCHAP NEDERLANDSCHE KUNSTELIJDEFABRIEK, Arnhem, Netherlands. Filed Mar. 24, 1925.

AMPLUM

Particular description of goods.—Raw Wool, Artificial Straw, Artificial Horsehair; Staple Fibers and Mixed Fibers in the Raw State of Silk, Wool, Cotton, Mercerised Cotton, and Linen; and Staple Fibers and Mixed Fibers in the Raw State of Artificial Silk, Artificial Wool, Artificial Cotton, Artificial Mercerized Cotton, and Artificial Linen.
Claims use since July 1, 1924.

Ser. No. 211,566. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PABLO BACA, doing business as La Victoria Packing Co., Los Angeles, Calif. Filed Mar. 25, 1925.

SALSA BRAVA

The descriptive word "Salsa" is disclaimed except as used in conjunction with the mark as shown.
Particular description of goods.—Edible Sauce or Condiment Composed of Hot Chili Peppers and Spices.
Claims use since June 1, 1922.

Ser. No. 211,599. (CLASS 39. CLOTHING.) JOSEPH LICHTMAN, Philadelphia, Pa. Filed Mar. 25, 1925.

HIGH Fitrite SHIRT GRADE

The words "High Grade Shirt" are herewith disclaimed apart from the trade-mark.
Particular description of goods.—Men's Top Shirts, Including Dress, Negligee, and Work Shirts.
Claims use since Apr. 30, 1920.

Ser. No. 211,684. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) KEYSTONE SANITARY SUPPLY CO., Greensburg, Pa. Filed Mar. 26, 1925.

K KEYSTONE BRAND WIPING CLOTHS

No claim is made to the words "Brand" and "Wiping Cloths" apart from the mark shown.
Particular description of goods.—Unimpregnated Cloth Dusters.
Claims use since Aug. 15, 1921.

Ser. No. 211,710. (CLASS 39. CLOTHING.) HOWARD E. RUST, doing business as H. E. Rust Company, Malden, Mass., and New York, N. Y. Filed Mar. 26, 1925.

RUSTLYN

"Rustlyn."
Particular description of goods.—Girls' Dresses, Boys' Suits, Creepers, and Rompers.
Claims use since Jan. 29, 1925.

Ser. No. 211,738. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALFRED JACOB DURRENBERGER, Buffalo, N. Y. Filed Mar. 27, 1925.

DURRENBERGER'S GENUINE WHITE LINIMENT

No claim is made to the words "Durrenberger's Genuine White Liniment" apart from the mark shown.
Particular description of goods.—Liniment.
Claims use since Jan. 20, 1925.

Ser. No. 211,756. (CLASS 39. CLOTHING.) M. NATHAN AND BROTHERS, INCORPORATED, Johnstown, Pa. Filed Mar. 27, 1925.

GLORIA

Particular description of goods.—Women's and Girls' Coats, Frocks, and Suits.
Claims use since Feb. 21, 1925.

Ser. No. 211,761. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SEAMLESS RUBBER COMPANY, INC., New Haven, Conn. Filed Mar. 27, 1925.

SR

Particular description of goods.—Adhesive Plasters.
Claims use since Aug. 14, 1924.

Ser. No. 211,794. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES W. MCCLENDON, doing business as Nu-Age Drug Co., Dallas, Tex. Filed Mar. 28, 1925.

NU-AGE



The pictures appearing as a part of the trade-mark are fanciful and not portraits of any living person.
Particular description of goods.—Preparation for the Treatment of Dandruff, Eczema of the Scalp, Falling Hair, and a Stimulant to Promote the Growth of New Hair.
Claims use since February, 1923.

Ser. No. 211,815. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEBB MANUFACTURING COMPANY, Nashville, Tenn. Filed Mar. 28, 1925. Under ten-year proviso.

Webb's

Particular description of goods.—Baking Powder, Bateman Drops, Castor Oil, Glycerin, Godfrey's Cordial, Jamaica Ginger, Iron Tincture, Paregoric, Petroleum Jelly, Pomade, Quinine, Spirits of Camphor, Sweet Spirits Niter, and Turpentine for Medicinal Purposes.
Claims use since Jan. 1, 1887.

Ser. No. 211,851. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GODFREY J. LAFRAMBOISE, doing business as Zest Card Company, Bay City, Mich. Filed Mar. 30, 1925.

ZEST!

Particular description of goods.—Card Games.
Claims use since Mar. 25, 1925.

Ser. No. 211,877. (CLASS 45. BEVERAGES, NONALCOHOLIC.) TIP-TOP BOTTLING COMPANY, St. Louis, Mo. Filed Mar. 30, 1925.



Particular description of goods.—Nonalcoholic, Maltless, Chocolate-Flavored Carbonated Beverages.
Claims use since Mar. 2, 1925.

Ser. No. 211,878. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOKALON CHEMICAL CORPORATION, New York, N. Y. Filed Mar. 30, 1925.

Nuremberg

Particular description of goods.—Medicinal Salts.
Claims use since Mar. 19, 1925.

Ser. No. 211,879. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HARRY TOMASZEWSKI, South Bend, Ind. Filed Mar. 30, 1925.

Katz PAJAMAS

No claim is made for the word "Katz" except in association with the other features of the mark.
Particular description of goods.—Candy.
Claims use since Feb. 17, 1925.

Ser. No. 211,935. (CLASS 39. CLOTHING.) JAIN-SOL CLOTHING CO., New York, N. Y. Filed Mar. 31, 1925.

Berry-Park

Particular description of goods.—Clothing for Men, Young Men, and Boys—Namely, Coats, Vests, Suits, and Trousers.
Claims use since Feb. 19, 1925.

Ser. No. 211,950. (CLASS 39. CLOTHING.) SAWYER BOOT & SHOE CO., Bangor, Me. Filed Mar. 31, 1925.

SKOOKUMS

Particular description of goods.—Mens', Boys', and Youths' Boots and Shoes and Slippers made wholly or in part of Leather and Fabrics.
Claims use since Mar. 13, 1925.

Ser. No. 211,954. (CLASS 39. CLOTHING.) THE SPERRY & HUTCHINSON COMPANY, New York, N. Y. Filed Mar. 31, 1925.

STRONGHEART

Particular description of goods.—Bathing Suits, Sweaters; Men's Dress, Negligee, Work, and Under Shirts of Knitted and Textile Fabric; Pyjamas, Nightshirts, Cravats, and Neckties, and Underwear of Knitted and Textile Fabric for Men, Women, and Children; Belts for Personal Wear, Garters, and Suspenders.
Claims use since Aug. 15, 1924.

Ser. No. 211,960. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) KALMAN THAU, doing business as Laura Hair Novelty Company, New York, N. Y. Filed Mar. 31, 1925.

ROSANETTE

Particular description of goods.—Hair Nets.
Claims use since Mar. 19, 1925.

Ser. No. 211,968. (CLASS 17. TOBACCO PRODUCTS.) BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Apr. 1, 1925.

It's Ripe Tobacco!
RIPE BROWN

No claim is made to the words "It's Ripe Tobacco" and "Ripe Brown" apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since on or about Feb. 24, 1925.

Ser. No. 211,969. (CLASS 17. TOBACCO PRODUCTS.) BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Apr. 1, 1925.

It's Ripe Tobacco!
RIPE LIGHT

No claim is made to the words "It's Ripe Tobacco" and "Ripe Light" apart from the mark shown in the drawing.
Particular description of goods.—Cigars.
Claims use since on or about Feb. 24, 1925.

Ser. No. 211,970. (CLASS 17. TOBACCO PRODUCTS.) BAYUK CIGARS INCORPORATED, Philadelphia, Pa. Filed Apr. 1, 1925.

It's Ripe Tobacco!
RIPE LIGHT BROWN

No claim is made to the words "It's Ripe Tobacco" and "Ripe Light Brown."
Particular description of goods.—Cigars.
Claims use since about Feb. 24, 1925.

Ser. No. 212,028. (CLASS 39. CLOTHING.) THE PEERLESS-W-COMPANY, Chicago, Ill. Filed Apr. 1, 1925.

PEERLESS

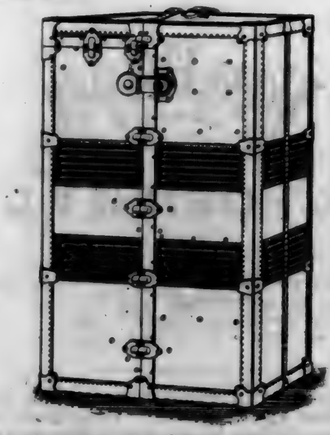
No claim is made to the word "Peerless" apart from the mark as shown in the drawing.
Particular description of goods.—Hosiery.
Claims use since 1912.

Ser. No. 212,046. (CLASS 39. CLOTHING.) J. D. SILBERSTEIN & SONS, INC., New York, N. Y. Filed Apr. 1, 1925.

THOROKLOTH

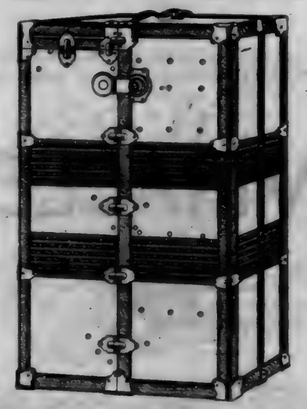
"Thorokloth."
Particular description of goods.—Dress and Negligee Shirts.
Claims use since Dec. 1, 1924.

Ser. No. 212,094. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE OSHKOSH TRUNK COMPANY, Oshkosh, Wis. Filed Apr. 2, 1925.



The trade-mark consists of a plurality of alternate red and yellow stripes around the middle portion of the trunk. No claim is made to the representation of the trunk apart from the trade-mark as shown.
Particular description of goods.—Wardrobe Trunks, Dress Trunks, Cabin or Steamer Trunks, Shoe, Shirt-Waist and Hat Trunks, Hat Trunks, Shoe or Boot Trunks, and Hand Luggage, such as Visiting Cases, Portable Wardrobe Trunks, and Taxi Wardrobes.
Claims use since Mar. 27, 1915.

Ser. No. 212,095. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) THE OSHKOSH TRUNK COMPANY, Oshkosh, Wis. Filed Apr. 2, 1925.



The trade-mark consists of a plurality of alternate red and yellow stripes around the middle portion of the trunk in combination with a maroon binding for the edges, as indicated in the drawing. No claim is made to the representation of the trunk apart from the trade-mark as shown.
Particular description of goods.—Wardrobe Trunks, Dress Trunks, Cabin or Steamer Trunks, Shoe, Shirt-Waist and Hat Trunks, Hat Trunks, Shoe or Boot Trunks, and Hand Luggage, such as Visiting Cases, Portable Wardrobe Trunks, and Taxi Wardrobes.
Claims use since Mar. 27, 1915.

Ser. No. 212,102. (CLASS 39. CLOTHING.) RAYMOND RAKOFSKY, doing business as Van Roon Hosiery Company, New York, N. Y. Filed Apr. 2, 1925.

Van Roon

HOSIERY

Applicant disclaims the use of the word "Hosiery" apart from the mark shown.

Particular description of goods.—Hosiery.

Claims use since Aug. 15, 1922.

Ser. No. 212,117. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) ARGOID METAL MANUFACTURING COMPANY, Penetanguishene, Ontario, Canada. Filed Apr. 3, 1925.

ARGOID

Particular description of goods.—Metals and Metal Alloys in Pig, Bar, Sheet, or Other Form.

Claims use since May, 1924.

Ser. No. 212,121. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HENRY MILES COOK, New York, N. Y. Filed Apr. 3, 1925.

MIRACLE

Particular description of goods.—Hand-Loom-Woven Scarfs, Table Runners, and Small Floor Rugs Made of Wool, Wool and Silk, Wool and Linen, or Cotton Rags.

Claims use since about Dec. 15, 1924.

Ser. No. 212,152. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) BERNARD RICH'S SONS, INC., New York, N. Y. Filed Apr. 3, 1925.

"DORANTIQUE"

Particular description of goods.—Doilies Made of Linen, Cotton, Wool, Silk, or Artificial Silk.

Claims use since on or about Mar. 15, 1925.

Ser. No. 212,185. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE IDEAL CONCRETE MACHINERY COMPANY, Cincinnati, Ohio. Filed Apr. 4, 1925.

IDEAL

Particular description of goods.—Concrete Tools and Machinery Consisting of Concrete Mixers, Gravel Screeners, Sand Driers, Concrete Block, Brick, Sill and Lintel, Pillar, Capital and Base, Tile-Ball, Pier-Coping, and the Like Molds; also Interchangeable Face Plates, Pallets, Cores, Liners, and Dividing Plates for Such Molds, Tools and Implements for Making Artificial-Stone and Cement Pavements, Comprising Tampers, Jointers, Edgers, Trowels, Markers, Rollers, Pounders, and Levelers.

Claims use since July 1, 1924.

Ser. No. 212,201. (CLASS 45. BEVERAGES, NONALCOHOLIC.) CHARLES A. L. REED, doing business as Clifton Laboratories, Cincinnati, Ohio. Filed Apr. 4, 1925.

Boost

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since Mar. 20, 1925.

Ser. No. 212,226. (CLASS 39. CLOTHING.) APEX HAT FRAME CO., INC., New York, N. Y. Filed Apr. 6, 1925.

APEX MAID

Particular description of goods.—Women's Hats, Hat Frames, and Hat Linings.

Claims use since July, 1922.

Ser. No. 212,263. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES HENRY HUBBARD, Cos Cob, Conn. Filed Apr. 6, 1925.

HUBBARD'S

HELPING HAND

The exclusive use of the name "Hubbard's" being disclaimed apart from the mark shown.

Particular description of goods.—Tonic or Remedy for Poultry.

Claims use since Mar. 31, 1925.

Ser. No. 212,264. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.

GREEN-HAT

The lining on the drawing indicates the color green.

Particular description of goods.—Gasoline and Lubricating Oils and Greases.

Claims use since Apr. 3, 1925.

Ser. No. 212,265. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.

PURPLE-HAT

The lining on the drawing indicates the color purple.

Particular description of goods.—Gasoline and Lubricating Oils and Greases.

Claims use since Apr. 3, 1925.

Ser. No. 212,266. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.

RED-HAT

The lining on the drawing indicates the color red.

Particular description of goods.—Gasoline and Lubricating Oils and Greases.

Claims use since April 3, 1925.

Ser. No, 212,269. (CLASS 15. OILS AND GREASES.) INDEPENDENT OIL MEN OF AMERICA, Chicago, Ill. Filed Apr. 6, 1925.



The lining on the drawing indicates the color blue.
Particular description of goods.—Gasoline and Lubricating Oils and Greases.
Claims use since Apr. 3, 1925.

Ser. No. 212,277. (CLASS 39. CLOTHING.) H. W. MERRIAM SHOE COMPANY, Newton, N. J. Filed Apr. 6, 1925.

TOUCH DOWN WELT

No claim is made to the word "Welt" apart from the mark as shown on the drawing.
Particular description of goods.—Shoes Constructed of Leather, Rubber, and Fabric, of Leather and Rubber, Leather and Fabric, and Rubber and Fabric.
Claims use since Mar. 2, 1925.

Ser. No. 212,278. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MONROE DRUG COMPANY, Quincy, Ill. Filed Apr. 6, 1925.

Colorantes de Putnam Polvos de Blanquear "NO-KOLOR"



The words "Colorantes," "de Putnam," "Polvos de Blanqnear," and "No-Kolor' are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Dyes.
Claims use since Jan. 7, 1925.

Ser. No. 212,287. (CLASS 2. RECEPTACLES.) JOHN E. O'BRIEN, doing business as Thermopak Company, Brooklyn, N. Y. Filed Apr. 6, 1925.

THERMOPAK

Particular description of goods.—Heat-Insulating Containers or Receptacles Formed of Paper, Celluloid Board, and Other Fibrous Material.
Claims use since Oct. 24, 1917.

Ser. No. 212,326. (CLASS 43. THREAD AND YARN.) FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass. Filed Apr. 7, 1925.

HEMONIA

Particular description of goods.—Yarn Made from Degummed Hemp Fiber.
Claims use since Mar. 25, 1925.

Ser. No. 212,327. (CLASS 43. THREAD AND YARN.) FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass. Filed Apr. 7, 1925.

FLAXONIA

Particular description of goods.—Yarn Made From Degummed Flax Fiber.
Claims use since March 25, 1925.

Ser. No. 212,328. (CLASS 43. THREAD AND YARN.) FIBRE DEVELOPMENT COMPANY, Whitinsville, Mass. Filed Apr. 7, 1925.

JUTONIA

Particular description of goods.—Yarn Made from Degummed Jute Fiber.
Claims use since March 25, 1925.

Ser. No. 212,335. (CLASS 8. SMOKERS' ARTICLES, NOT INCLUDING TOBACCO PRODUCTS.) KAUFMANN BROS. & BONDY, New York, N. Y. Filed April 7, 1925.

SHAMROCK

Particular description of goods.—Smokers' Pipes, Cigar Holders, and Cigarette Holders.
Claims use since 1881.

Ser. No. 212,365. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY STATE FISHING COMPANY, Boston, Mass. Filed April 8, 1925.

Forty Fathom

Trade-Mark consists of the words "Forty Fathom".
Particular description of goods.—Haddock Fillets, Toasted Fillets, Fulton Fillets, Cod Fillets, Sole Fillets, Finnan Haddie, Salt Codfish, Salt Haddock, Fish Flakes; Toasted Fish Flakes in Bulk, Wrapped, Canned, and Put Up in Glass Jars; Canned Clam Chowder, and Clams Both Fresh and Canned.
Claims use since August 2, 1922

Ser. No. 212,379. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) FOX MACHINE COMPANY, Jackson, Mich. Filed Apr. 8, 1925.

SUPERFLEX

Particular description of goods.—Power Presses.
Claims use since March, 1924.

Ser. No. 212,419. (CLASS 46. FOODS AND INGREDIENTS OF FOODS). THE BONITA CO., also doing business as The Bonita Company, Fond du Lac, Wis. Filed Apr. 9, 1925.

Leaping Lena

Particular description of goods.—Candy.
Claims use since January 13, 1925.

Ser. No. 212,423. (CLASS 39. CLOTHING.) T. J. COOPER & SONS, Winchester, Va. Filed Apr. 9, 1925.

C & J SONS
FORT LOUDOUN BRAND

No claim is made to the word "Brand".
Particular description of goods.—Men's, Women's, and Children's Hosiery; Men's, Women's, and Children's Sweaters; Men's and Boys' Dress and Work Shirts; Men's, Boys', and Youths' Overalls; Men's, Boys', and Youths' Work Pants; and Men's Cravats.
Claims use since February 14, 1925.

Ser. No. 212,450. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JOHN H. MULHOLLAND COMPANY, Philadelphia, Pa. Filed Apr. 9, 1925.

SMOOTHTEX

Particular description of goods.—Wood Tongue Blades and Applicators.
Claims use since March 1, 1922.

Ser. No. 212,457. (CLASS 39. CLOTHING.) THE PREBLE-THOMPSON BOX TOE COMPANY, INC., Lynn, Mass. Filed Apr. 9, 1925.

PREBLE
LYNN, MASS.

No registration rights are claimed for any of the words shown in the drawing apart from the mark there shown.
Particular description of goods.—Stiffeners for Boots and Shoes, Such as Box Toes, Counters, and Insoles.
Claims use since October 27, 1924.

Ser. No. 212,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CORN PRODUCTS REFINING COMPANY, New York, N. Y. Filed Apr. 10, 1925.

CO-PRO-CO

Particular description of goods.—Feedstuffs—Namely, a Mixture of Grain, Alfalfa, and Corn-Sugar Molasses.
Claims use since March 4, 1925.

Ser. No. 212,499. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) A. LUMIÈRE LABORATORIES, New York, N. Y. Filed Apr. 10, 1925.

LUMIERE'S

Applicant disclaims the surname "Lumiere's" apart from the mark shown in the drawing. The lining expresses shading.

Particular description of goods.—Nonadherent Wide-Mesh Medicated Gauze for Surgical use.

Claims use since July, 1923.

Ser. No. 212,509. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) JOHN SISOLAK, Chicago, Ill. Filed Apr. 10, 1925.

CARDINAL

Particular description of goods.—Wrenches.

Claims use since November 1, 1924.

Ser. No. 212,512. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TETRA LABORATORIES INC., New York, N. Y. Filed Apr. 10, 1925.

MOTHERS' FRIEND

Particular description of goods.—Preparation for the Human Hair and Head for Cleansing and Prophylactic Purposes.

Claims use since September, 1900.

Ser. No. 212,522. (CLASS 39. CLOTHING.) THE AULT-WILLIAMSON SHOE CO., Auburn, Me. Filed Apr. 11, 1925.



Particular description of goods.—Men's, Women's, and Children's Boots and Shoes Composed Wholly or in Part of Leather, Rubber, or Fabric, or Combinations of Two or More of These Materials.

Claims use since July 29, 1924.

Ser. No. 212,540. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE CAMPBELL-HAUSFELD COMPANY INCORPORATED, Harrison, Ohio. Filed Apr. 11, 1925.

PARAGON SPRAYER

Applicant disclaims right to the exclusive use of the word "Sprayer" except in the precise relation and association in which the same appears in the drawing.

Particular description of goods.—Machines for Spraying Liquids.

Claims use since on or about November 26, 1921.

Ser. No. 212,541. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) CHESNY BROTHERS, South Manchester, Conn. Filed Apr. 11, 1925.

SERI-PLANE

Particular description of goods.—Strand-Examining Machines.

Claims use since Apr. 27, 1922.

Ser. No. 212,542. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) DAVID G. CLELAND, Philadelphia, Pa. Filed Apr. 11, 1925.

"I-X-L"

Particular description of goods.—Paint and Varnish Remover.

Claims use since Feb. 1, 1912.

Ser. No. 212,567. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUGENE E. NICE COMPANY, Philadelphia, Pa. Filed Apr. 11, 1925.

NEEOSPAR

"Neeospar."

Particular description of goods.—Paints of All Kinds.

Claims use since June, 1918.

Ser. No. 212,568. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUGENE E. NICE COMPANY, Philadelphia, Pa. Filed Apr. 11, 1925.

Neeolyte

"Neeolyte."

Particular description of goods.—Paints of All Kinds.

Claims use since January, 1914.

Ser. No. 212,593. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE COLORADO MILLING & ELEVATOR CO., Denver, Colo., also doing business as The Pueblo Flour Mills, Pueblo, Colo. Filed Apr. 13, 1925.

BELLEROSE

Particular description of goods.—Wheat Flour.

Claims use since Aug. 5, 1924.

Ser. No. 212,601. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES). FAULTLESS CASTINGS CO., Brazil, Ind. Filed Apr. 13, 1925.

F

Particular description of goods.—Cast-Iron Pipes.

Claims use since Mar. 11, 1925.

Ser. No. 212,609. (CLASS 2. RECEPTACLES.) GREAT NORTHERN MFG. CO., Chicago, Ill. Filed Apr. 13, 1925.

QUALITY BRAND

No claim is made to the words "Quality Brand" or either of them apart from the mark shown.

Particular description of goods.—Vacuum Bottles.

Claims use since Dec. 1, 1924.

Ser. No. 212,611. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) GREAT NORTHERN MFG. CO., Chicago, Ill. Filed Apr. 13, 1925.

QUALITY BRAND

No claim is made to the words "Quality Brand" or either of them apart from the mark shown in the drawing.

Particular description of goods.—Toy Ranges and Toy Engines.

Claims use since Dec. 1, 1924.

Ser. No. 212,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LAMBERT PHARMACAL COMPANY, St. Louis, Mo. Filed Apr. 13, 1925.

LISTERINE

Particular description of goods.—Cold Cream.

Claims use since about Jan. 1, 1917.

Ser. No. 212,624. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAG RHU COMPANY, INC., Pittsburgh, Pa. Filed Apr. 13, 1925.

WOW

Particular description of goods.—Medicinal Preparation Containing Glandular Extract and Exercising a Beneficial Effect in the Treatment of Nervous Disorders and General Debility.
Claims use since Nov. 2, 1924.

Ser. No. 212,641. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Apr. 13, 1925.

GREYLOCK

Particular description of goods.—Wheat Flour.
Claims use since about Jan. 1, 1910.

Ser. No. 212,657. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) VAUGHAN & BUSHNELL MFG. CO., Chicago, Ill. Filed Apr. 13, 1925.

STRAIGHT LINE

Particular description of goods.—Hammers, Hatchets, Planes, and Braces.
Claims use since March, 1925.

Ser. No. 212,659. (CLASS 5. ADHESIVES.) THE WESTERN FUR CO., St. Louis, Mo. Filed Apr. 13, 1925.

FURMENDA

Particular description of goods.—Adhesive Cloth.
Claims use since Mar. 1, 1925.

Ser. No. 212,679. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) JOHN J. ETGES, doing business as Etges Manufacturing Company, Chicago, Ill. Filed Apr. 14, 1925.



Applicant disclaims the representation of the hook apart from the trade-mark shown in the drawing.
Particular description of goods.—Hangers for Christmas-Tree Ornaments.
Claims use since Mar. 28, 1925.

Ser. No. 212,680. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MAX FERTIG, New York, N. Y. Filed Apr. 14, 1925.

Lorelei Lace

No claim is made to the word "Lace" apart from the mark shown in the drawing.
Particular description of goods.—Hand-Embroidered Netted Lace in the Piece.
Claims use since March, 1923.

Ser. No. 212,681. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed Apr. 14, 1925.

Kashmelitta

Particular description of goods.—Woolen Piece Goods.
Claims use since Mar. 2, 1925.

Ser. No. 212,687. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON JUSTER, doing business as The Du Moiret Company, New York, N. Y. Filed Apr. 14, 1925.

MOON-GLO NARCISSUS

No claim is made to the word "Narcissus" apart from the mark as shown.
Particular description of goods.—Perfumes, Toilet Waters, Rouges, Face Powders, Talcum Powders, Bath Salts, and Face-Powder Compacts.
Claims use since Oct. 10, 1924.

Ser. No. 212,719. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CONQUERINE COMPANY, INC., Richmond, Va. Filed Apr. 15, 1925.

Conquerine

Particular description of goods.—Remedy for Dyspepsia, Indigestion, Constipation, and Other Stomach Troubles, Nervousness, and Restlessness.
Claims use since 1908.

Ser. No. 212,732. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed Apr. 15, 1925.

Crepe Isolde

Applicant disclaims any right to the word "Crepe."
Particular description of goods.—Piece Goods made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.
Claims use since Dec. 2, 1921.

Ser. No. 212,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) D. W. MANNERS, doing business as Pardeco Products Co., Washington, D. C. Filed Apr. 15, 1925.

DETHSPRAY

No claim is made to the word "Spray" apart from the mark as shown in the drawing.
Particular description of goods.—Insecticides.
Claims use since May 31, 1924.

Ser. No. 212,750. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REESE CHEMICAL CO., Cleveland, Ohio. Filed Apr. 15, 1925.

BORALUM

The lining on the drawing represents the color blue.
Particular description of goods.—Antiseptic and Deodorant Powder.
Claims use since Jan. 1, 1914.

Ser. No. 212,753. (CLASS 2. RECEPTACLES.) THE ROSETH CORPORATION, Brooklyn, N. Y. Filed Apr. 15, 1925.

DUSTEX

Particular description of goods.—Paper Garment Bags.
Claims use since Jan. 1, 1914.

Ser. No. 212,769. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GEO. D. WETHERILL & CO., INC., Philadelphia, Pa. Filed Apr. 15, 1925.

REFLECTOFLAT

Particular description of goods.—Wall Paint.
Claims use since about June 10, 1909.

Ser. No. 212,783. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BORIS BOROWIKOW, doing business as Borowikow Perfume Co., Brooklyn, N. Y. Filed Apr. 16, 1925.

HAIR STIMULINE

No claim is made to the use of the word "Hair" other than as a component part of the mark as shown. Trade-mark consists of the words "Hair Stimuline."
Particular description of goods.—Hair Tonic.
Claims use since Jan. 28, 1925.

Ser. No. 212,791. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) FRANKLIN SIMON & CO., INC., New York, N. Y. Filed Apr. 16, 1925.

DANS LA NUIT

Particular description of goods.—Perfumizers.
Claims use since Mar. 10, 1924.

Ser. No. 212,821. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MASTER PLIER CORPORATION, Chicago, Ill. Filed Apr. 16, 1925.

MASTER PLIER CORPORATION
MASTER TOOLS
CHICAGO

No claim is made herein to the exclusive use of the words "Master Plier Corporation, Chicago, Tools" apart from the representation contained in the drawing.

Particular description of goods.—Pliers.

Claims use since May 23, 1924.

Ser. No. 212,826. (CLASS 39. CLOTHING.) PENNSYLVANIA SILK HOSIERY MILLS, INC., Bangor, Pa. Filed Apr. 16, 1925.

MIRACLE

Particular description of goods.—Hosiery.

Claims use since Feb. 5, 1925.

Ser. No. 212,833. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. M. SINCLAIR & CO. LTD., Cedar Rapids, Iowa. Filed Apr. 16, 1925.

CedarBrook

Particular description of goods.—Cheese.

Claims use since Apr. 4, 1925.

Ser. No. 212,839. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GEORGE H. TABER, Pittsburgh, Pa. Filed Apr. 16, 1925.

MICRO-MOTOR

Particular description of goods.—Vernier Adjusters for Instruments of Precision.

Claims use since Oct. 4, 1923.

Ser. No. 212,844. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) CHAS. W YOUNG & Co., Philadelphia, Pa. Filed Apr. 16, 1925.

PORIT

Particular description of goods.—Liquid, Semiliquid, Powdered, and Flaked Soap for Commercial Use, Including Use Upon Automobiles, Household, and Toilet Use.

Claims use since Mar. 20, 1925.

Ser. No. 212,854. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) CARSON PIRIE SCOTT & Co., Chicago, Ill. Filed Apr. 17, 1925.

BIG BEN

Particular description of goods.—Towels of Textile Material.

Claims use since about Jan. 1, 1925.

Ser. No. 212,863. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NATIONAL BISCUIT COMPANY, New York, N. Y. Filed Apr. 17, 1925.

EPINUTS

Particular description of goods.—Biscuits, Crackers, Cakes, and Wafers.

Claims use since Mar. 20, 1925.

Ser. No. 212,891. (CLASS 2. RECEPTACLES.) COTTONLUXE MANUFACTURING CO., INC., New York, N. Y. Filed Apr. 18, 1925.

COTTONLUXE
TRADE MARK
PRODUCTS

No claim is made for the exclusive use of the words "Trade-Mark" or "Products" apart from the mark shown in the drawing.

Particular description of goods.—Receptacles—i. e., Bags and Flexible Containers Made of Paper or Cloth and Lined with Cotton Fibers.

Claims use since Apr. 8, 1925.

Ser. No. 212,897. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEIS-FERTIG COMPANY, also doing business as The Deis-Fertig Dairies Co., Dover, Ohio. Filed Apr. 18, 1925.

DEFCO

Particular description of goods.—Butter and Cheese.

Claims use since Mar. 17, 1925.

Ser. No. 212,898. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DEIS-FERTIG COMPANY, also doing business as The Deis-Fertig Dairies Co., Dover, Ohio. Filed Apr. 18, 1925.

MEADOW VALLEY

Particular description of goods.—Butter and Cheese.

Claims use since Mar. 17, 1925.

Ser. No. 212,920. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK J. KAUFMAN, Baltimore, Md. Filed Apr. 18, 1925.

Meadow Queen

Particular description of goods.—Butter.

Claims use since Apr. 1, 1923.

Ser. No. 212,961. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FELIX PFEFFER, doing business as Norta Distributing Company, New York, N. Y. Filed Apr. 18, 1925.

Norta

Particular description of goods.—Chemical Composition for Type Cleaning.

Claims use since about Nov. 1, 1924.

Ser. No. 212,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Apr. 18, 1925.

ALTA

Particular description of goods.—Shorts Wheat Middlings.

Claims use since about Feb. 3, 1919.

Ser. No. 212,966. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Apr. 18, 1925.

TEKOE

Particular description of goods.—Wheat Flour.

Claims use since about Jan. 1, 1899.

Ser. No. 212,967. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RUSSELL-MILLER MILLING CO., Minneapolis, Minn. Filed Apr. 18, 1925.

POWERFUL

Particular description of goods.—Wheat Flour.

Claims use since about Jan. 1, 1918.

Ser. No. 212,991. (CLASS 39. CLOTHING.) AULT-WILLIAMSON SHOE CO., Auburn, Me. Filed Apr. 20, 1925.

CONSTANT COMFORT
The Shoe with the 7 Points of Merit

Applicant disclaims any right to the exclusive use of the words "The Shoe with the 7 Points of Merit" except in the precise relation and association in which these words appear in the drawing.

Particular description of goods.—Men's, Women's, and Children's Boots and Shoes Composed Wholly or in Part of Leather, Rubber, or Fabric or of Combinations of Two or More of These Materials.

Claims use since July 29, 1924.

Ser. No. 213,018. (CLASS 39. CLOTHING.) GOTTFRIED-WEISS CO., Philadelphia, Pa. Filed Apr. 20, 1925.

MOONRAYSTRYPE
CO

Particular description of goods.—Men's Ready-Made Suits.

Claims use since Oct. 15, 1924.

Ser. No. 213,021. (CLASS 15. OILS AND GREASES.) THE LINCOLN OIL AND PAINT COMPANY, Cleveland, Ohio. Filed Apr. 20, 1925.

HONEST ABE

Particular description of goods.—Lubricating Oils and Greases.

Claims use since about Jan. 1, 1923.

Ser. No. 213,039. (CLASS 2. RECEPTACLES.) THE PFAUDLER COMPANY, Rochester, N. Y. Filed Apr. 20, 1925.

Pfaudler

Particular description of goods.—Iron and Steel Tanks.
Claims use since August, 1921.

Ser. No. 213,052. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) UNIFLEX RUBBER COMPANY, Rutherford, N. J. Filed Apr. 20, 1925.

UNIFLEX

Particular description of goods.—Rubber Force Cups, Rubber Basin Stoppers, and Rubber Sink Stoppers.
Claims use since October, 1923.

Ser. No. 213,067. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANDREW J. DITMAN, New York, N. Y. Filed Apr. 21, 1925.

Trigestia

Particular description of goods.—Medicinal Preparations for the Relief of Dyspepsia, Headache, Sour Stomach, and Indigestion.
Claims use since Jan. 1, 1889.

Ser. No. 213,111. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA C. BENKWITH BRUHN, Dysart, Iowa. Filed Apr. 22, 1925.

GOLDEN KEY

Particular description of goods.—Antiseptic Healing Oil for the Treatment of Old Sores, Eczema, Dropsy Legs, Itching Skin, Inflamed Skin, Boils, Cuts, Bruises, Etc.
Claims use since Apr. 7, 1925.

Ser. No. 213,133. (CLASS 39. CLOTHING.) GRAHAM-BUNGARNER COMPANY, Parkersburg, W. Va. Filed Apr. 22, 1925.

Best-Pals

Trade-mark consists of the words "Best-Pals".
Particular description of goods.—Boots and Shoes Made Wholly or in Part of Leather.
Claims use since July 1, 1924.

Ser. No. 213,142. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) PARKE, DAVIS & COMPANY, Detroit, Mich. Filed Apr. 22, 1925.

DIGIFORTIS

Trade-mark consists of the word "Digifortis".
Particular description of goods.—Tincture of Digitalis.
Claims use since Mar. 18, 1925.

Ser. No. 213,184. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES MCB. MITCHELL, doing business as Drux Chemical Co., Minneapolis, Minn. Filed Apr. 23, 1925.

DRUX

Particular description of goods.—Powder Soluble in Water to be Used as a Douche or Wash.
Claims use since Mar. 20, 1905.

Ser. No. 213,221. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MATTHEW V. BOUTTÉ, doing business as Bronkine Chemical Co., New York, N. Y. Filed Apr. 24, 1925.

BRONKINE

The shading on the drawing indicates a red color.
Particular description of goods.—Medicine for Coughs, Colds, and Bronchial Irritations.
Claims use since December, 1921.

Ser. No. 213,228. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JULIA DONNELLY, St. Davids, Pa. Filed Apr. 24, 1925.

LIK

Particular description of goods.—Rouges and Lip Sticks.
Claims use since Apr. 15, 1925.

Ser. No. 213,229. (CLASS 39. CLOTHING.) CHAS. DOUGLAS MACK CO. INC., also doing business as Silverstrype Co., Inc., New York, N. Y. Filed Apr. 24, 1925.

SILVERSTRYPE

Trade-mark consists of the word "Silverstrype".
Particular description of goods.—Men's, Boys', and Youths' Clothing—viz, Overcoats; Two-Piece Suits—viz, Coats and Trousers; Three-Piece Suits—viz, Coats, Vests, and Trousers; Four-Piece Suits—viz, Coats, Vests, and Two Pair of Trousers; and Coats, Vests, and Trousers Separately.
Claims use since Oct. 11, 1923.

Ser. No. 213,231. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ELLIOTT CO., Providence, R. I. Filed Apr. 24, 1925.

ASTRINOGEN

Particular description of goods.—Mouth Washes.
Claims use since February, 1924.

Ser. No. 213,242. (CLASS 39. CLOTHING.) KAUMAGRAPH CO., New York, N. Y. Filed Apr. 24, 1925.

KAUMAFROX

Trade-mark consists of the word "Kaumafrox."
Particular description of goods.—Frocks.
Claims use since Mar. 12, 1925.

Ser. No. 213,245. (CLASS 39. CLOTHING.) FRITZ MANN, Oberfrohna, Germany. Filed Apr. 24, 1925.

Frontal

Particular description of goods.—Stockings.
Claims use since Feb. 1, 1925.

Ser. No. 213,246. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALOIS MAIER, doing business as The Hair-Off Co., Los Angeles, Calif. Filed Apr. 24, 1925.

Hair-off

Particular description of goods.—Chemical Preparation Suitable for the Removal of Hair.
Claims use since Mar. 1, 1925.

Ser. No. 213,270. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Apr. 24, 1925.

KIDBLAD

Particular description of goods.—Kidney and Bladder Pills.
Claims use since Apr. 20, 1925.

Ser. No. 213,289. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FAIRCHILD BROS. & FOSTER, New York, N. Y. Filed Apr. 25, 1925.

BIOGENOL

Trade-mark consists of the word "Biogenol".
Particular description of goods.—Homogenized Cod-Liver Oil with the Constituents of Deep-Sea Water and Extracts of Sea Plants, Designed for Internal Administration in the Treatment of Rauchitis, Defective Dentition, Goiter, Disorders of Nutrition and Metabolism, as a Tonic, and Prophylactic.
Claims use since Mar. 25, 1925.

Ser. No. 213,360. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BURNHAM MANUFACTURING CO., Charles City, Iowa. Filed Apr. 27, 1925.

Skeezix

Particular description of goods.—Children's Coaster Wagons, Wheelbarrows, and Pedal Cars.
Claims use since Jan. 1, 1920.

Ser. No. 213,446. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) MALCO PRODUCTS CORPORATION, Brooklyn, N. Y. Filed Apr. 28, 1925.

MALCO

Particular description of goods.—Vacuum Cleaning Apparatus.
Claims use since Mar. 20, 1924.

Ser. No. 213,478. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed Apr. 29, 1925.

Jacqleen

Particular description of goods—Pile Fabrics in the Piece.
Claims use since Dec. 3, 1924.

Ser. No. 213,481. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Apr. 29, 1925.

TITANO

Particular description of goods.—Billiard Cloth.
Claims use since Mar. 1, 1925.

Ser. No. 213,483. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Apr. 29, 1925.

BELJO

Particular description of goods.—Billiard Cloth.
Claims use since Mar. 1, 1925.

Ser. No. 213,484. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill. Filed Apr. 29, 1925.

TOURNAMENT

Particular description of goods.—Billiard Cloth.
Claims use since Mar. 1, 1925.

Ser. No. 213,505. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

Iridoron

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Dec. 26, 1924.

Ser. No. 213,506. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

JASMAFLOR

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Dec. 26, 1924.

Ser. No. 213,507. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

JASMINFLOR

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Dec. 26, 1924.

Ser. No. 213,508. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

ROSENE

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since July 28, 1910.

Ser. No. 213,509. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

VERAFLOR

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Dec. 26, 1924.

Ser. No. 213,511. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEINE & Co., New York, N. Y. Filed Apr. 29, 1925.

Zibethin

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Apr. 27, 1908.

Ser. No. 213,581. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LEWIS-RISSER CO., New York, N. Y. Filed Apr. 30, 1925.

SATIN  AMALDA

The word "Satin" is disclaimed apart from the mark shown.
Particular description of goods.—Silk Piece Goods.
Claims use since Apr. 1, 1925.

Ser. No. 213,601. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & VANDAM, INC., New York, N. Y. Filed Apr. 30, 1925.

TEE-VEE

Particular description of goods.—Cotton, Wool, Silk, and Artificial-Silk Fabrics and Combinations of the Same.
Claims use since Mar. 20, 1925.

Ser. No. 213,629. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) FORSTMANN & HUFFMANN COMPANY, Passaic, N. J. Filed May 1, 1925.

Gulina

Particular description of goods.—Woolen Piece Goods.
Claims use since Apr. 1, 1925.

Ser. No. 213,634. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Filed May 1, 1925.



No claim is made for the exclusive use of the words "Beauty Soap" apart from the mark shown.
Particular description of goods.—Soap.
Claims use since March, 1925.

Ser. No. 213,635. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) THE GLOBE SOAP COMPANY, Cincinnati, Ohio. Filed May 1, 1925.

WANDA

Particular description of goods.—Soap.
Claims use since March, 1925.

Ser. No. 213,649. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) IOWA CANNING CO., Vinton, Iowa. Filed May 1, 1925.

Quick Meal

Particular description of goods.—Canned Vegetables—Namely, Canned Corn.
Claims use since 1902.

Ser. No. 213,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) TURNER & VANDAM, INC., New York, N. Y. Filed May 1, 1925.

T
V

Particular description of goods.—Cotton, Wool, Silk, and Artificial-Silk Fabrics and Combinations of the Same.
Claims use since Mar. 20, 1925.

Ser. No. 213,700. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) DRAKE CORPORATION, Norfolk, Va. Filed May 2, 1925.



Particular description of goods.—Oil-Stain Remover, a Solvent Liquid Used for Removing All Kinds of Oil and Grease Stains from Fabrics, Painted Surfaces, Floors, Etc., When Applied Alone or Mixed with Other Substances.
Claims use since 1920.

Ser. No. 213,705. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EDGAR K. FRANK & Co., New York, N. Y. Filed May 2, 1925.

Ever-Nu

Particular description of goods.—Cotton Piece Goods, Cotton and Silk Mixture Piece Goods, Cotton and Artificial-Silk Mixture Piece Goods.
Claims use since Apr. 16, 1925.

Ser. No. 213,782. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) JOHN ALLEN PARKER, New York, N. Y. Filed May 2, 1925.



Particular description of goods.—Wallets and Portfolios.
Claims use since Apr. 1, 1924.

Ser. No. 214,284. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STANLEY WORKS, New Britain, Conn. Filed May 13, 1925.

1345

Particular description of goods.—Butts.
Claims use since 1895.

Ser. No. 214,285. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STANLEY WORKS, New Britain, Conn. Filed May 13, 1925.

994

Particular description of goods.—Metal Washers.
Claims use since 1879.

Ser. No. 214,286. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STANLEY WORKS, New Britain, Conn. Filed May 13, 1925.

906

Particular description of goods.—Hinges.
Claims use since 1879.

Ser. No. 214,287. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE STANLEY WORKS, New Britain, Conn. Filed May 13, 1925.

904

Particular description of goods.—Hinges.
Claims use since 1879.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 16, 1925.

199,584. OUTSIDE PAINTS, FLOOR ENAMEL, OIL STAIN, SHINGLE STAIN, FLAT WHITE, WHITE ENAMEL, WASHABLE WALL PAINT, FLOOR VARNISH, SPAR VARNISH, INTERIOR VARNISH, JAPANS, AND COLORS IN OIL. WILLIAM E. MCGREW, doing business as McGrew Paint Manufacturing Company, Los Angeles, Calif.
Filed June 16, 1924. Serial No. 198,658. PUBLISHED MARCH 31, 1925.

199,585. WORK SHIRTS. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed June 13, 1924. Serial No. 198,537. PUBLISHED MARCH 31, 1925.

199,586. CANDY. UNIVERSAL THEATRES CONCESSION COMPANY, Chicago, Ill.
Filed June 12, 1924. Serial No. 198,488. PUBLISHED MARCH 31, 1925.

199,587. CLEANING AND POLISHING FLUID FOR USE ON AUTOMOBILES, FURNITURE, PIANOS, FLOORS, AND OTHER PAINTED, LACQUERED, OR ENAMELED SURFACES. RUDOLPH H. HARNISH, doing business as Harnish Products Co. (not incorporated), Chicago, Ill.
Filed June 5, 1924. Serial No. 198,186. PUBLISHED MARCH 24, 1925.

199,588. ROASTED COFFEE. GEO. R. NEWELL & Co., Minneapolis, Minn.
Filed May 5, 1924. Serial No. 196,609. PUBLISHED SEPTEMBER 30, 1924.

199,589. PENS AND PENCILS. WALL-STIEH COMPANY, INC., New York, N. Y.
Filed April 24, 1924. Serial No. 196,093. PUBLISHED JUNE 10, 1924.

199,590. FOLDING BEDS. AMERICAN BED COMPANY, St. Louis, Mo.
Filed April 18, 1924. Serial No. 195,731. PUBLISHED AUGUST 12, 1924.

199,591. CANDY. THE NUNNALLY COMPANY, Atlanta, Ga.
Filed April 12, 1924. Serial No. 195,456. PUBLISHED JULY 1, 1924.

199,592. CANNED VEGETABLES. BENJ. COLE, JR. & Co., Boston, Mass.
Filed March 25, 1924. Serial No. 194,395. PUBLISHED JULY 1, 1924.

199,593. DOLLS. AVERILL MANUFACTURING CORPORATION, New York, N. Y.
Filed March 22, 1924. Serial No. 194,245. PUBLISHED MARCH 31, 1925.

199,594. CLEANING COMPOUNDS. ADRIAN VERWIEL, Chicago, Ill.
Filed February 21, 1924. Serial No. 192,652. PUBLISHED MARCH 17, 1925.

199,595. HOSIERY. IPSWICH MILLS, Boston, Mass.
Filed February 1, 1924. Serial No. 191,025. PUBLISHED MARCH 31, 1925.

199,596. ARTICLES OF STATIONERY—NAMELY, DRAWING AND TRACING PAPER, GUMMED TAPE, CROSS-SECTION PAPERS, AND CLOTHS, FIELD BOOKS, PENCILS, PENCIL SHARPENERS, AND PENS. DEFIANCE SALES CORPORATION, New York, N. Y.
Filed December 14, 1923. Serial No. 189,662. PUBLISHED MARCH 17, 1925.

199,597. NARROW ELASTIC WEBS. PENN RIVET CORPORATION, Philadelphia, Pa.
Filed December 12, 1923. Serial No. 189,580. PUBLISHED MARCH 31, 1925.

199,598. HAIR GOODS—NAMELY, HAIR BANDS, TRANSFORMATIONS, CLUSTERS, AND CURLS. YVETTE CO., New York, N. Y.
Filed November 10, 1923. Serial No. 188,225. PUBLISHED MARCH 31, 1925.

199,599. WASHING COMPOUND. MACK MILLION SCOTT, doing business as Scott's Specialty Mfg. Co., Mansfield, Ohio.
Filed October 17, 1923. Serial No. 187,135. PUBLISHED MARCH 17, 1925.

199,600. CLOTHES-WASHING-MACHINE CYLINDERS. RICHARD MICHAEL COMISKEY, Quincy, Ill.
Filed October 15, 1923. Serial No. 186,978. PUBLISHED JANUARY 20, 1925.

199,601. MECHANICS' SOAP. A. M. RIBAS, Sagua la Grande, Cuba.
Filed May 18, 1923. Serial No. 180,811. PUBLISHED JUNE 3, 1924.

199,602. CANNED VEGETABLES, FRUIT, AND FISH. THE S. A. SMITH COMPANY, Gary, Ind.
Filed April 18, 1923. Serial No. 179,385. PUBLISHED JANUARY 8, 1924.

199,603. SCRUBBING POWDERS. G. F. LESSENHOP & SONS, INC., Lincoln, Nebr.
Filed October 5, 1922. Serial No. 170,331. PUBLISHED MARCH 17, 1925.

199,604. MILK-CHOCOLATE NUT BAR. KLEIN CHOCOLATE COMPANY, INC., Elizabethtown, Pa.
Filed February 7, 1925. Serial No. 209,224. PUBLISHED MARCH 24, 1925.

199,605. PHONOGRAPHS AND TALKING MACHINES. ALBERT CARASSO, doing business as Fold-O-Phone Mfg. Co., New York, N. Y.
Filed February 7, 1925. Serial No. 209,201. PUBLISHED MARCH 24, 1925.

199,606. CANDIES. SPERRY CANDY COMPANY, Milwaukee, Wis.
Filed February 5, 1925. Serial No. 209,192. PUBLISHED MARCH 24, 1925.

199,607. PIECE GOODS OF SILK, COTTON, WOOL, AND HAIRS. BIANCHINI FERIER, Lyon, France.
Filed February 6, 1925. Serial No. 209,153. PUBLISHED MARCH 24, 1925.

199,608. TEA AND COFFEE. DELANO, POTTER & Co., INC., Boston, Mass.
Filed February 5, 1925. Serial No. 209,122. PUBLISHED MARCH 24, 1925.

199,609. LADIES' SILK HOSE, HOSE MADE OF ALL WOOL AND ALSO OF A MIXTURE OF MERCERIZED COTTON AND SILK FIBER FOR MEN, WOMEN, BOYS, GIRLS, AND INFANTS. ISAAC E. JACOBSON, doing business as Jacobson Sons Co., Portsmouth, Va.
Filed February 4, 1925. Serial No. 209,087. PUBLISHED MARCH 24, 1925.

199,610. WOVEN CASHMERE AND FLANNEL SCARFS. N. P. & J. TRABULSI, New York, N. Y.
Filed February 3, 1925. Serial No. 209,066. PUBLISHED MARCH 24, 1925.

199,611. WOVEN CASHMERE AND FLANNEL SCARFS. N. P. & J. TRABULSI, New York, N. Y.
Filed February 3, 1925. Serial No. 209,065. PUBLISHED MARCH 24, 1925.

199,612. FRESH APPLES AND PEARS. WHITE BROS. & CRUM CO., Lewiston, Idaho.
Filed February 2, 1925. Serial No. 209,012. PUBLISHED MARCH 24, 1925.

199,613. INFANTS' SOCKS OR HALF HOSE. HARRY L. KINNE, New York, N. Y., and Philadelphia, Pa.
Filed February 2, 1925. Serial No. 208,989. PUBLISHED MARCH 24, 1925.

199,614. CANNED FRUITS AND VEGETABLES AND FRUIT AND BERRY JAM. PIKEVILLE CANNING & PRESERVING COMPANY, Pikeville, Tenn.
Filed January 31, 1925. Serial No. 208,927. PUBLISHED MARCH 24, 1925.

199,615. CERTAIN STEAM-FITTING SUPPLIES. AMERICAN STEAM SPECIALTY CORPORATION, New York, N. Y.
Filed January 28, 1925. Serial No. 208,735. PUBLISHED MARCH 24, 1925.

199,616. FRESH APPLES, CANTALOUPES, ORANGES, LEMONS, PEARS, CHERRIES, AND PEACHES. F. E. NELLIS & COMPANY, Chicago, Ill.
Filed September 16, 1922. Serial No. 169,555. PUBLISHED SEPTEMBER 30, 1924.

199,617. SHOES, BOOTS, AND SLIPPERS MADE OF LEATHER, LEATHER IN COMBINATION WITH FABRIC AND ELASTIC, AND WITH RUBBER HEELS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,246. PUBLISHED MARCH 17, 1925.

199,618. MONTHLY PERIODICALS. AMERICAN THRIFT FRATERNITY, Philadelphia, Pa.
Filed June 28, 1924. Serial No. 199,273. PUBLISHED MARCH 31, 1925.

199,619. CANNED PEAS AND CORN. KERNS-BELVIDERE CANNING COMPANY, Belvidere, Ill.
Filed June 30, 1924. Serial No. 199,360. PUBLISHED SEPTEMBER 30, 1924.

199,620. TEAS. THE G. B. FARRINGTON COMPANY, New York, N. Y.
Filed July 12, 1924. Serial No. 199,934. PUBLISHED MARCH 31, 1925.

199,621. MIXED PAINTS. RICHARD H. OAKLEY, doing business as Oakley Paint Manufacturing Company, Los Angeles, Calif.
Filed July 28, 1924. Serial No. 200,636. PUBLISHED DECEMBER 30, 1924.

199,622. COMBINATION CABINETS FOR COMBINED RADIO RECEIVING AND TALKING MACHINES. EMBODYING MECHANICAL SOUND AMPLIFIERS AND MECHANICAL DUPLEX AMPLIFIERS ADAPTED FOR USE WITH A COMBINED TALKING MACHINE AND RADIO RECEIVING SET, AND CABINETS FOR RADIO RECEIVING SETS. ALFRED H. HAAG, Philadelphia, Pa.
Filed July 30, 1924. Serial No. 200,718. PUBLISHED MARCH 17, 1925.

199,623. CANDY. ROBERT A. JOHNSTON COMPANY, doing business as Johnston's, Milwaukee, Wis.
Filed July 31, 1924. Serial No. 200,765. PUBLISHED NOVEMBER 4, 1924.

199,624. SMOKING TOBACCO. COHEN, WERNEN & Co., London, England.
Filed August 8, 1924. Serial No. 201,123. PUBLISHED MARCH 31, 1925.

199,625. RUBBER OVERSHOES. BALTIC INDIA RUBBER COMPANY "QUADRAT", Riga, Latvia.
Filed September 8, 1924. Serial No. 202,317. PUBLISHED MARCH 31, 1925.

199,626. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS; MINERAL WATER AND ESSENCES OF HERBS FOR MAKING SOFT DRINKS. EGON BRAUN, Hamburg, Germany.
Filed September 9, 1924. Serial No. 202,374. PUBLISHED MARCH 31, 1925.

199,627. TABLE GAME PLAYED WITH PIECES. JOHN TUTOLES, Stamford, Conn.
Filed October 8, 1924. Serial No. 203,611. PUBLISHED MARCH 31, 1925.

199,628. FURNITURE-CLEANING COMPOUND WITH INCIDENTAL POLISHING PROPERTIES. NEWTON S. HILLYARD, doing business as Hillyard Chemical Company, St. Joseph, Mo.
Filed October 9, 1924. Serial No. 203,629. PUBLISHED MARCH 17, 1925.

199,629. CANNED FRUITS, BERRIES, AND VEGETABLES. EUGENE FRUIT GROWERS ASSOCIATION, Eugene, Oreg.
Filed October 13, 1924. Serial No. 203,798. PUBLISHED MARCH 31, 1925.

199,630. WHISKY. HARRY BLUM, doing business as Philip Blum & Company, Chicago, Ill.
Filed October 25, 1924. Serial No. 204,892. PUBLISHED MARCH 31, 1925.

199,631. READY-TO-WEAR CLOTHING, SUCH AS MEN'S AND BOYS' SUITS, OVERCOATS, AND TROUSERS. UNIVERSAL CLOTHING MANUFACTURERS, INC., Chicago, Ill.
Filed October 31, 1924. Serial No. 204,684. PUBLISHED MARCH 31, 1925.

199,632. MEN'S, WOMEN'S, CHILDREN'S, AND INFANTS' NEGLIGEE SHIRTS, UNION SUITS, AND HOSIERY, AND INFANTS' WRAPPERS. POTTER KNITTING COMPANY, Springfield, Mass.
Filed November 5, 1924. Serial No. 204,868. PUBLISHED MARCH 31, 1925.

199,633. CANNED VEGETABLES. THE CUTLER PACKING CORP., Modeltown, N. Y.
Filed November 8, 1924. Serial No. 204,997. PUBLISHED MARCH 31, 1925.

199,634. SHOE GOODS NOT EMPLOYING PRECIOUS STONES OR PRECIOUS METALS IN THEIR CONSTRUCTION—NAMELY, SHOE ORNAMENTS, SHOE BUCKLES, SHOE RIBBONS, SHOE BUTTONS, SHOE BINDINGS, PUMP OR SLIPPER HOLDS, AND SHOE-ORNAMENT-ATTACHING MEANS. THE DALRYMPLE-DUDLEY CO., Haverhill, Mass.
Filed November 12, 1924. Serial No. 205,155. PUBLISHED MARCH 17, 1925.

199,635. HATS AND CAPS INTENDED FOR THE USE OF CHILDREN AND WOMEN. JAFFE & SEAKWOOD, New York, N. Y.
Filed November 12, 1924. Serial No. 205,167. PUBLISHED MARCH 17, 1925.

199,636. LEATHER AND FABRIC GLOVES, LADIES' AND GENTLEMEN'S COATS, AND SUITS, BATHROBES, OVERCOATS, DRESS AND NEGLIGEE SHIRTS, NECKTIES, SOCKS, SWEATERS, GOLF AND SMOKING JACKETS, WOMEN'S HATS, AND CAPS FOR MEN. FRANK A. MCLAUGHLIN, New York, N. Y.
Filed November 15, 1924. Serial No. 205,345. PUBLISHED MARCH 31, 1925.

199,637. CORE BINDERS, WASHES, AND ADHESIVES OF VARIOUS KINDS—NAMELY, THOSE PRODUCED FROM CONCENTRATED DISTILLERY WASTE. CURTIS BAY COPPER & IRON WORKS, Baltimore and Curtis Bay, Md.
Filed June 24, 1924. Serial No. 190,042. PUBLISHED MARCH 31, 1925.

199,638. LAXATIVE MEDICINE. JOSEPH FUTTERMAN, doing business as Perkins Chemical Co., Baltimore, Md.
Filed June 14, 1924. Serial No. 198,583. PUBLISHED MARCH 31, 1925.

199,639. COTTON PIECE GOODS. JOHN KING & SON, Glasgow, Scotland.
Filed August 8, 1924. Serial No. 201,145. PUBLISHED APRIL 7, 1925.

199,640. BOOTS AND SHOES MADE OF LEATHER, RUBBER, OR OTHER MATERIALS. SOCIÉTÉ ANONYME C. F. BALLY, Schoenenwerd, Switzerland.
Filed July 30, 1924. Serial No. 200,732. PUBLISHED MARCH 10, 1925.

199,641. CANDY. THE FOSTER HONEY AND MERCANTILE CO., doing business as The Foster Honey Co., Boulder, Colo.
Filed July 29, 1924. Serial No. 200,677. PUBLISHED APRIL 7, 1925.

199,642. CIGARS, CIGARETTES, SMOKING TOBACCO, AND CHEWING TOBACCO. VETTERLEIN BROTHERS, INC., Philadelphia, Pa.
Filed July 26, 1924. Serial No. 200,591. PUBLISHED APRIL 7, 1925.

199,643. MAYONNAISE SALAD DRESSING, THOUSAND-ISLAND SALAD DRESSING, OLIVE MAYONNAISE SANDWICH SPREAD OR RELISH, AND OLIVE MAYONNAISE. KELLOGG PRODUCTS, INC., Buffalo, N. Y.
Filed July 12, 1924. Serial No. 199,942. PUBLISHED MARCH 31, 1925.

199,644. LIQUID-FUEL-BURNING APPARATUS. C. U. WILLIAMS & SON, Bloomington, Ill.
Filed July 5, 1924. Serial No. 199,664. PUBLISHED APRIL 7, 1925.

199,645. WINDOW CURTAINS MADE OF OAK, ACORNS, SHELLS, AND BAMBOO. MARY SCHOONMAKER SMITH, New York, N. Y.
Filed July 5, 1924. Serial No. 199,651. PUBLISHED MARCH 10, 1925.

199,646. PITCH AND TAR. GRUBENHOLZ-IMPRÄGNIERUNG G. M. B. H., Charlottenburg, Germany.
Filed July 2, 1924. Serial No. 199,475. PUBLISHED APRIL 7, 1925.

199,647. CORN SIRUP. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed October 15, 1924. Serial No. 203,919. PUBLISHED APRIL 7, 1925.

199,648. TABLE SIRUP. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed October 15, 1924. Serial No. 203,914. PUBLISHED APRIL 7, 1925.

199,649. OIL, GREASE, TAR, AND DIRT REMOVER AND CLEANER FOR CLEANING ENGLISH BUBBANK, CANVAS, MOHAIR TOPS, AND UPHOLSTERING. DELITE PRODUCTS CO., Long Beach, Calif.
Filed October 14, 1924. Serial No. 203,861. PUBLISHED MARCH 31, 1925.

199,650. AUTOMOBILE ENAMEL. GEORGE KRONSCHNABEL, doing business as Superior Auto Company, Oakland, Calif.
Filed September 20, 1924. Serial No. 202,828. PUBLISHED MARCH 31, 1925.

199,651. NAILS. NEW ROCHELLE COAL & LUMBER CO., New Rochelle, N. Y.
Filed September 11, 1924. Serial No. 202,515. PUBLISHED MARCH 31, 1925.

199,652. SHAVING AND TOILET SOAPS. "LA ROSARIO" (S. A. COMPANY LIMITED, Santander, Spain.
Filed September 9, 1924. Serial No. 202,392. PUBLISHED MARCH 31, 1925.

199,653. CANDY. HAWLEY & HOOPS, New York, N. Y.
Filed September 4, 1924. Serial No. 202,210. PUBLISHED NOVEMBER 18, 1924.

199,654. ELECTRICAL REFRIGERATING MACHINES. JOSEPH MERCADANTE, New York, N. Y.
Filed August 21, 1924. Serial No. 201,711. PUBLISHED MARCH 31, 1925.

199,655. MEDICINES AND PHARMACEUTICAL PREPARATIONS FOR THE TREATMENT OF INFLAMMATION OF THE EYES, NOSE, THROAT, AND BRONCHIAL TUBES. CHARLES G. MAYWOOD, Albion, Mich.
Filed August 21, 1924. Serial No. 201,710. PUBLISHED MARCH 31, 1925.

199,656. CHOCOLATE FOR EATING PURPOSES, COCOA, CANDY, AND NUT CONFECTIONS. HERSHEY BROTHERS, Pittsburgh, Pa.
Filed August 20, 1924. Serial No. 201,668. PUBLISHED NOVEMBER 18, 1924.

199,657. HAIR GROWER AND COMPOUND FOR ECZEMA, TETTER, FALLING AND SPLIT HAIR OF THE SCALP. ELIZABETH C. PINNIX, doing business as Madam Elizabeth C. Pinnix, Burlington, N. C.
Filed December 11, 1924. Serial No. 206,591. PUBLISHED MARCH 24, 1925.

199,658. PIECE GOODS OF WOOL, COTTON, AND SILK AND MIXTURES OF THE SAME. SOCIETE Rodier, Paris, France.
Filed December 10, 1924. Serial No. 206,546. PUBLISHED APRIL 7, 1925.

199,659. ESSENTIAL AND FLOWER OIL COMPOUNDS THEREOF. PIERRE LEMOINE ET CIE., INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,540. PUBLISHED APRIL 7, 1925.

199,660. ESSENTIAL AND FLOWER OIL COMPOUNDS THEREOF. PIERRE LEMOINE ET CIE., INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,539. PUBLISHED APRIL 7, 1925.

199,661. ELECTROSURGICAL APPARATUS FOR DISSECTION AND LIKE PURPOSES AND FOR DESICCATION SURGERY. ACME-INTERNATIONAL X-RAY CO., Chicago, Ill.
Filed June 13, 1924. Serial No. 198,494. PUBLISHED OCTOBER 28, 1924.

199,662. HYDROMETERS. CHARLES E. LINEBARGER, doing business as The Chaslyn Company, Chicago, Ill.
Filed December 10, 1924. Serial No. 206,532. PUBLISHED MARCH 31, 1925.

199,663. PERFUMES AND TOILET WATERS. HOUBIGANT, INC., New York, N. Y.
Filed December 10, 1924. Serial No. 206,525. PUBLISHED MARCH 31, 1925.

199,664. TOBACCO PIPES, CIGAR AND CIGARETTE HOLDERS. WILLIAM HENDRIEX, College Point, N. Y.
Filed December 10, 1924. Serial No. 206,524. PUBLISHED APRIL 7, 1925.

199,665. WHEAT FLOUR. BAY CITY MILLING COMPANY, Bay City, Mich.
Filed December 10, 1924. Serial No. 206,508. PUBLISHED MARCH 31, 1925.

199,666. CEMENT AND CONCRETE. BADGER WATERPROOFING CO., Luxemburg, Wis.
Filed December 9, 1924. Serial No. 206,471. PUBLISHED MARCH 3, 1925.

199,667. PASTRY SERVICE SHELLS. NOVELTY PRODUCTS, INC., Chicago, Ill.
Filed December 8, 1924. Serial No. 206,421. PUBLISHED MARCH 31, 1925.

199,668. MOTOR OILS. OTHO F. MIKESELL, Lima, Ohio.
Filed December 8, 1924. Serial No. 206,421. PUBLISHED MARCH 31, 1925.

199,669. CERTAIN PIECE GOODS. E. H. BEHRENS & CO., INC., New York, N. Y.
Filed December 8, 1924. Serial No. 206,393. PUBLISHED MARCH 31, 1925.

199,670. RECKONING MACHINES AND ADDING MACHINES. SAMUEL MEYER, Uccle, Brussels, Belgium.
Filed December 5, 1924. Serial No. 206,323. PUBLISHED MARCH 31, 1925.

199,671. FLOWER, VEGETABLE, AND FARM SEED; SPRING AND SUMMER FLOWERING FLOWER BULBS. WILLIAMS SEED COMPANY, INC., Norfolk, Va.
Filed December 3, 1924. Serial No. 206,206. PUBLISHED APRIL 7, 1925.

199,672. SOLID FUELS, THE SAID FUELS BEING WHITE IN COLOR AND CONSISTING OF THE EVAPORATED JUICES OF VEGETABLES. FRANK AUGUST HUEBER, Los Angeles, Calif.
Filed December 2, 1924. Serial No. 206,117. PUBLISHED MARCH 17, 1925.

199,673. MINERAL AND VEGETABLE LUBRICATING OILS. ALFRED OLSEN & CO., A/S, Copenhagen, Denmark.
Filed November 29, 1924. Serial No. 206,022. PUBLISHED MARCH 17, 1925.

199,674. CERTAIN TEXTILES. JOHN WANAMAKER, New York, New York, N. Y.
Filed November 25, 1924. Serial No. 205,846. PUBLISHED MARCH 31, 1925.

199,675. SKINS AND LEATHERS OF ALL KINDS AND QUALITIES. SOCIÉTÉ ANONYME DES ANCIENS ETABLISSEMENTS A. COMBE & FILS & CIE., Paris, France.
Filed November 25, 1924. Serial No. 205,839. PUBLISHED MARCH 31, 1925.

199,676. GLOVES AND MITTENS OF LEATHER, FABRIC, AND COMBINATION OF LEATHER AND FABRIC. THE BOSS MANUFACTURING COMPANY, Kewanee, Ill., and Brooklyn, N. Y.
Filed November 24, 1924. Serial No. 205,737. PUBLISHED MARCH 31, 1925.

199,677. ARTICLES MADE OF RUST AND ACID PROOF "M C C" STEEL—NAMELY, POCKET-KNIVES, RAZORS, TABLE FORKS, TABLE AND TEA SPOONS, DESSERT KNIVES (FRUIT KNIVES), TART SPOONS, SHEARS, VALVES FOR INTERNAL-COMBUSTION ENGINES, AND TURBINE BLADES. BERGISCHE STAHL-INDUSTRIE, Remscheid, Germany.
Filed November 22, 1924. Serial No. 205,675. PUBLISHED MARCH 31, 1925.

199,678. SHEETS, RODS, AND TUBES OF CELLULOID. STANDARD PYROXOLOID CORPORATION, Leominster, Mass.
Filed May 28, 1924. Serial No. 197,504. PUBLISHED SEPTEMBER 9, 1924.

199,679. COAL, WOOD, GAS, AND OIL BURNING FURNACES. THE BANNER-MAHONING FURNACE COMPANY, Youngstown, Ohio.
Filed May 16, 1924. Serial No. 197,128. PUBLISHED FEBRUARY 10, 1925.

199,680. GASOLINE, MOTOR-LUBRICATING OIL, KEROSENE, AND FUEL OIL. METRO STATIONS, INC., Olean, N. Y.
Filed May 8, 1924. Serial No. 196,749. PUBLISHED DECEMBER 2, 1924.

199,681. RADIO RECEIVING SETS AND PARTS THEREOF. CLARENCE A. TILESTON, doing business as Scientific Equipment Company, Ridgewood, N. J.
Filed May 3, 1924. Serial No. 196,555. PUBLISHED JULY 29, 1924.

199,682. HAM, BACON, AND SAUSAGE. THE CHANDLER AND RUDD COMPANY, Cleveland, Ohio.
Filed May 2, 1924. Serial No. 196,431. PUBLISHED APRIL 7, 1925.

199,683. PREPARATION FOR CLEANING THE TEETH, FOR REMOVING FILM, STAINS, OR THE LIKE. W. HARVEY WADDELL, doing business as Filmoff Company, Chicago, Ill.
Filed April 21, 1924. Serial No. 195,925. PUBLISHED JUNE 10, 1924.

199,684. PORTABLE NONFREEZING FIRE EXTINGUISHERS, SWING-PIPE WINCHES, SWING-PIPE CABLE GUIDES, AND AUTOMATIC SPRINKLER FIRE EXTINGUISHERS. THE OIL CONSERVATION ENGINEERING COMPANY, Cleveland, Ohio.
Filed April 8, 1924. Serial No. 195,181. PUBLISHED MARCH 31, 1925.

199,685. RIBBONS IN THE PIECE. R. H. MACY & CO., INC., New York, N. Y.
Filed March 27, 1924. Serial No. 194,553. PUBLISHED APRIL 7, 1925.

199,686. LINIMENT, LAXATIVE SALTS, DIURETIC STIMULANT, BALM USED EXTERNALLY AS A LINIMENT, RHEUMATIC PILLS, HEADACHE POWDERS, AND HEALING SALVE. FRANK M. HILADEY, doing business as Bo-Ko Health Laboratory, Cleveland, Ohio.
Filed March 15, 1924. Serial No. 193,834. PUBLISHED OCTOBER 21, 1924.

199,687. BLANKETS AND SPREADS OF COTTON, WOOL, OR MIXTURES THEREOF. GIUSEPPE OSTINO, doing business as Ostino & Bertagna, Chieri, Italy.
Filed March 12, 1924. Serial No. 193,675. PUBLISHED SEPTEMBER 30, 1924.

199,688. SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,881. PUBLISHED APRIL 7, 1925.

199,689. DEVICES FOR MEASURING THE FEET, HANDS, AND OTHER PORTIONS OF THE BODY. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,883. PUBLISHED APRIL 7, 1925.

199,690. PLASTERS AND PADS FOR TREATING ABNORMAL GROWTHS AND CONDITIONS OF THE FEET. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,878. PUBLISHED APRIL 7, 1925.

199,691. SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,877. PUBLISHED APRIL 7, 1925.

199,692. SUPPORTS FOR THE ARCHES AND OTHER PARTS OF THE FEET. ARROWSMITH MANUFACTURING COMPANY, New York, N. Y.
Filed February 27, 1924. Serial No. 192,875. PUBLISHED APRIL 7, 1925.

199,693. AUTOMOBILE LOCKS, COMPARTMENT LOCKS, AND LOCKING DOOR HANDLES. BRIGGS & STRATTON COMPANY, Milwaukee, Wis., assignor to Briggs & Stratton Corporation, Milwaukee, Wis., a Corporation of Delaware.
Filed February 12, 1924. Serial No. 192,171. PUBLISHED MARCH 31, 1925.

199,694. GLASS GLOBES FOR LANTERNS. R. E. DIETZ COMPANY, New York, N. Y.
Filed February 4, 1924. Serial No. 191,757. PUBLISHED MARCH 31, 1925.

199,695. RICE. ROSENBERG BROS. & CO., San Francisco, Calif.
Filed January 18, 1924. Serial No. 190,980. PUBLISHED MARCH 17, 1925.

199,696. CANNED SHRIMP. MARINE PRODUCTS, INCORPORATED, New Orleans, La.
Filed December 29, 1923. Serial No. 190,262. PUBLISHED APRIL 7, 1925.

199,697. MOTH-REPELLENT COMPOUNDS FOR THE TREATMENT OF TEXTILE FABRICS. PATHE CHEMICAL COMPANY, Brooklyn, N. Y.
Filed January 30, 1925. Serial No. 208,865. PUBLISHED APRIL 7, 1925.

199,698. CONCENTRATED NATURAL FLOWER OILS, CONCENTRATED NATURAL FLOWER ESSENCES, AND CONCENTRATED NATURAL FLOWER EXTRACTS. ROURE-BERTRAND FILS, INC., New York, N. Y.
Filed January 30, 1925. Serial No. 208,871. PUBLISHED APRIL 7, 1925.

199,699. COAL. SOUTHERN COAL & COKE COMPANY, Boothton, Ala.
Filed January 30, 1925. Serial No. 208,870. PUBLISHED APRIL 7, 1925.

199,700. DRESS, NEGLIGEE, AND WORK SHIRTS AND PYJAMAS. S. LIEBOVITZ & SONS, INC., New York, N. Y.
Filed January 31, 1925. Serial No. 208,913. PUBLISHED MARCH 17, 1925.

199,701. LEATHER, FABRIC, RUBBER, AND RUBBER-COMPOSITION SHOES. SHAFT-PIERCE SHOE CO., Faribault, Minn.
Filed January 31, 1925. Serial No. 208,930. PUBLISHED MARCH 17, 1925.

199,702. SHOES OF LEATHER, LEATHER AND RUBBER, LEATHER AND FABRIC, AND COMBINATIONS THEREOF. ABRAHAM DVILNSKY, doing business as The Geo. Merritt Shoe Co., Brockton, Mass.
Filed February 2, 1925. Serial No. 208,963. PUBLISHED MARCH 31, 1925.

199,703. CERTAIN EXCAVATING AND CONVEYING MACHINERY. HARNISCHFEGER CORPORATION, Milwaukee, Wis.
Filed February 2, 1925. Serial No. 208,981. PUBLISHED MARCH 31, 1925.

199,704. REFLECTORS MADE OF GLASS. REFLECTOR & ILLUMINATING CO., Chicago, Ill.
Filed February 2, 1925. Serial No. 208,998. PUBLISHED APRIL 7, 1925.

199,705. MANICURE SETS. NORTHAM WARREN CORPORATION, New York, N. Y.
Filed February 6, 1925. Serial No. 209,186. PUBLISHED APRIL 7, 1925.

199,706. WOOL CLOTH FOR SUITS, OVERCOATS, AND WEARING APPAREL. FORD NAYLOR, INC., New York, N. Y.
Filed February 6, 1925. Serial No. 209,173. PUBLISHED APRIL 7, 1925.

199,707. MACHINERY FOR CONDITIONING MATERIALS AND MACHINERY FOR DRYING MATERIALS. THE INDUSTRIAL DRYER CORPORATION, Stamford, Conn.
Filed February 5, 1925. Serial No. 209,127. PUBLISHED MARCH 31, 1925.

199,708. CHISELS. THE PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed February 4, 1925. Serial No. 209,105. PUBLISHED MARCH 31, 1925.

199,709. CHISELS. THE PECK, STOW & WILCOX COMPANY, Southington, Conn.
Filed February 4, 1925. Serial No. 209,104. PUBLISHED MARCH 31, 1925.

199,710. MATCHES. EESTI TIKUTÖÖSTUS "LENDRA," A/S., Reval, Esthonia.
Filed February 4, 1925. Serial No. 209,081. PUBLISHED MARCH 31, 1925.

199,711. MATCHES. EESTI TIKUTÖÖSTUS "LENDRA," A/S., Reval, Esthonia.
Filed February 4, 1925. Serial No. 209,080. PUBLISHED MARCH 31, 1925.

199,712. CROSS-WORD-PUZZLE GAME. THE CROSS-WORDO CO., Washington, D. C.
Filed February 4, 1925. Serial No. 209,078. PUBLISHED APRIL 7, 1925.

199,713. LUBRICATING OILS AND GREASES. GEORGE P. N. CARR, Philadelphia, Pa.
Filed Jan. 31, 1925. Serial No. 208,896. PUBLISHED MARCH 31, 1925.

199,714. LUBRICATING OILS. STOVER COMPANY, Chicago, Ill.
Filed January 29, 1925. Serial No. 208,831. PUBLISHED MARCH 31, 1925.

199,715. LADIES' HATS. HARRY SOLOMONS & SON, New York, N. Y.
Filed January 24, 1925. Serial No. 208,618. PUBLISHED MARCH 31, 1925.

199,716. FRESH DECIDUOUS FRUITS AND FRESH GRAPES. THE PIONEER FRUIT COMPANY, San Francisco, Calif.
Filed January 24, 1925. Serial No. 208,608. PUBLISHED MARCH 31, 1925.

199,717. COFFEE. THE BERDAN CO., Toledo, Ohio.
Filed January 17, 1925. Serial No. 208,220. PUBLISHED APRIL 7, 1925.

199,718. SHOES MADE OF LEATHER OR A COMBINATION OF LEATHER, RUBBER, OR FABRIC. SYLVANIA SHOE COMPANY, Philadelphia, Pa.
Filed January 16, 1925. Serial No. 208,210. PUBLISHED MARCH 31, 1925.

199,719. BISCUIT CONTAINING SANTONIN AND USED AS A VERMICIDE FOR HOGS. FRANK D. LORTON, doing business as Certified Laboratories, St. Louis, Mo.
Filed January 16, 1925. Serial No. 208,204. PUBLISHED MARCH 31, 1925.

199,720. MEDICINAL PLASTERS—NAMELY, PLASTERS AND POULTICES FOR MEDICINAL PURPOSES TO BE APPLIED EXTERNALLY, FOR TREATMENT OF INFLAMMATION AND OF CONGESTION. DUANE REMEDIES CORPORATION, New York, N. Y.
Filed January 16, 1925. Serial No. 208,183. PUBLISHED MARCH 31, 1925.

199,721. HAIR PREPARATION. WILLIAM A. MATLOCK, St. Louis, Mo.
Filed January 15, 1925. Serial No. 208,154. PUBLISHED MARCH 31, 1925.

199,722. TEXTILES IN THE PIECE OF SILK OR SILK MIXTURES. J. H. & C. K. EAGLES, INC., Shamokin, Pa., and New York, N. Y.
Filed January 15, 1925. Serial No. 208,130. PUBLISHED MARCH 31, 1925.

199,723. ENVELOPE PAPER. INTERNATIONAL PAPER COMPANY, New York, N. Y.
Filed January 14, 1925. Serial No. 208,101. PUBLISHED MARCH 31, 1925.

199,724. DISHWASHING MACHINES. KLEENDRY CORPORATION, Los Angeles, Calif.
Filed January 13, 1925. Serial No. 208,055. PUBLISHED MARCH 31, 1925.

199,725. LEATHER SHOES. TEEPLE SHOE COMPANY, Waupun, Wis.
Filed January 12, 1925. Serial No. 208,025. PUBLISHED MARCH 31, 1925.

199,726. PERFUME, TOILET WATER, VEGETAL, EAU DE COLOGNE, SACHET, DUSTING POWDER, TALCUM POWDER, FACE POWDER, BRILLIANTINE, BATH SALTS, COLD CREAM, ROUGE, AND SKIN LOTION. CHERAMY, INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,041. PUBLISHED MARCH 24, 1925.

199,727. SHOES HAVING LEATHER UPPERS, RUBBER SOLES AND HEELS, AND FIBER COUNTERS. TEMPLE SHOE COMPANY, Waupun, Wis.
Filed January 12, 1925. Serial No. 208,023. PUBLISHED MARCH 31, 1925.

199,728. KNOBS FOR SHIFTING GEAR LEVERS. DAVID S. BARTLETT, Springfield, Mass.
Filed January 12, 1925. Serial No. 207,960. PUBLISHED MARCH 31, 1925.

199,729. CERTAIN PIECE GOODS. C. HARLAND LAWRENCE, Taunton, Mass.
Filed January 9, 1925. Serial No. 207,938. PUBLISHED APRIL 7, 1925.

199,730. FRAMES, RIMS, NOSE PIECES FOR EYEGLASSES, AND CELLULOID APPLIANCES FOR EYEGLASS SPECTACLES. OPTICAL PRODUCTS CORPORATION, New York, N. Y.
Filed January 9, 1925. Serial No. 207,880. PUBLISHED MARCH 31, 1925.

199,731. MATCHES. OSAKEYHTIO SAVO, Kuopio, Finland.
Filed January 9, 1925. Serial No. 207,883. PUBLISHED MARCH 31, 1925.

199,732. CLEANSING AND MASSAGE CREAM. MELANIE F. JAEGER, doing business as Physicians Supplies, New York, N. Y.
Filed January 9, 1925. Serial No. 207,871. PUBLISHED MARCH 24, 1925.

199,733. FUEL OILS AND LUBRICATING OILS AND GREASES. THE AMERICAN OIL CO., Baltimore, Md.
Filed January 9, 1925. Serial No. 207,844. PUBLISHED MARCH 31, 1925.

199,734. MEDICINAL PREPARATION USED AS A GENERAL TONIC FOR LOSS OF APPETITE, CONSTIPATION, AND STOMACH DISORDERS. DAVID WRÓBLEWSKI, New York, N. Y.
Filed January 8, 1925. Serial No. 207,840. PUBLISHED MARCH 24, 1925.

199,735. WOMEN'S HATS. PAIGE HAT CO., INC., New York, N. Y.
Filed January 6, 1925. Serial No. 207,756. PUBLISHED MARCH 31, 1925.

199,736. CHINESE TEXTILE RUGS AND GRASS RUGS, BAMBOO MATS, AND LACES IN THE PIECE. PACIFIC ORIENT COMPANY, San Francisco, Calif.
Filed January 6, 1925. Serial No. 207,755. PUBLISHED APRIL 7, 1925.

199,737. CERTAIN FABRICS. HEBERLEIN & CO., A. G., Rietwiss, Wattwil, Switzerland.
Filed January 6, 1925. Serial No. 207,740. PUBLISHED MARCH 31, 1925.

199,738. CERTAIN YARNS. HEBERLEIN & CO., A. G., Rietwiss, Wattwil, Switzerland.
Filed January 6, 1925. Serial No. 207,739. PUBLISHED MARCH 31, 1925.

199,739. RAZORS. GRAEF & SCHMIDT, INC., New York, N. Y.
Filed January 6, 1925. Serial No. 207,737. PUBLISHED MARCH 31, 1925.

199,740. PIE FILLINGS, CREAM FILLING, AND JELLY POWDER. COLUMBIA FOOD PRODUCTS CO. INC., Newark, N. J.
Filed January 6, 1925. Serial No. 207,709. PUBLISHED APRIL 7, 1925.

199,741. FLUID PREPARATION FOR CLEANING WOODWORK, PAINTED SURFACES, LINOLEUM, PORCELAIN, CROCKERY, ETC. SOLITE CHEMICAL COMPANY, Oakland, Calif.
Filed January 5, 1925. Serial No. 207,691. PUBLISHED MARCH 31, 1925.

199,742. MEN'S AND BOYS' DRESS, NEGLIGEE, AND WORK SHIRTS, BLOUSES, PYJAMAS, TEXTILE UNDERWEAR, AND OVERJACKETS MADE OF COTTON, LINEN, FLANNEL, WOOL, SILK, ARTIFICIAL SILK, AND OTHER TEXTILES. H. D. BOB COMPANY INC., New York, N. Y.
Filed January 5, 1925. Serial No. 207,677. PUBLISHED MARCH 31, 1925.

199,743. SOAPS. Dr. M. ALEXANDER, Frankfort-on-the-Main, Germany.
Filed January 2, 1925. Serial No. 207,542. PUBLISHED MARCH 31, 1925.

199,744. DENTAL PLIERS. ARROW SUPPLY & IMPORTING COMPANY, New York, N. Y.
Filed December 30, 1924. Serial No. 207,442. PUBLISHED MARCH 31, 1925.

199,745. KEROSENE, BURNING OIL, AND FURNACE OIL. THE TEXAS COMPANY, Houston, Tex., and New York, N. Y.
Filed December 29, 1924. Serial No. 207,415. PUBLISHED MARCH 17, 1925.

199,746. PREPARATION FOR THE TREATMENT AND PREVENTION OF CHAPPED HANDS AND LIPS, SUNBURN, AND ALL ROUGHNESS OF THE SKIN. JULIUS O. E. NEVEN, Brooklyn, N. Y.
Filed December 29, 1924. Serial No. 207,393. PUBLISHED MARCH 24, 1925.

199,747. LAXATIVE. HAROLD KAPLAN, Brooklyn, N. Y.
Filed December 29, 1924. Serial No. 207,386. PUBLISHED APRIL 7, 1925.

199,748. DIAGNOSING INSTRUMENT ADAPTED FOR THE DETERMINATION OF HEAT DISSIPATION FROM THE HUMAN BODY. E. R. V. MANUFACTURING COMPANY, Detroit, Mich.
Filed December 29, 1924. Serial No. 207,346. PUBLISHED MARCH 31, 1925.

199,749. ROUGES, FACE POWDERS, AND LIP STICKS. J. NOTOVITZ, INC., Chicago, Ill.
Filed December 26, 1924. Serial No. 207,254. PUBLISHED MARCH 24, 1925.

199,750. SURFACE-COATED PAPERS OF THE CHARACTER USED FOR MAGAZINE AND BOOK COVERS. MCLAURIN-JONES CO., Brookfield, Mass.
Filed December 24, 1924. Serial No. 207,197. PUBLISHED MARCH 31, 1925.

199,751. COFFEE. MCCORD-STEWART CO., Atlanta, Ga.
Filed December 22, 1924. Serial No. 207,088. PUBLISHED MARCH 31, 1925.

199,752. CANNED PEAS. BEAVER CANNING COMPANY, Beaver Dam, Wis.
Filed December 18, 1924. Serial No. 206,874. PUBLISHED MARCH 31, 1925.

199,753. LABEL GLUE, GLUE FOR SEALING CARTONS, AND SILICATE OF SODA FOR ADHESIVE PURPOSES. MARKWELL MANUFACTURING CO., INC., New York, N. Y.
Filed December 16, 1924. Serial No. 206,796. PUBLISHED APRIL 7, 1925.

199,754. CERTAIN NAMED ARTICLES OF HARDWARE. MARKWELL MANUFACTURING CO., INC., New York, N. Y.
Filed December 16, 1924. Serial No. 206,792. PUBLISHED APRIL 7, 1925.

199,755. DENTAL PLASTER AND SURGICAL PLASTER OF PARIS. CERTAIN-TEED PRODUCTS CORPORATION, New York, N. Y.
Filed December 16, 1924. Serial No. 206,767. PUBLISHED MARCH 31, 1925.

199,756. TOASTED SANDWICHES. KING BUN COMPANY, Dallas, Tex.
Filed December 13, 1924. Serial No. 206,672. PUBLISHED APRIL 7, 1925.

199,757. DRIED FRUITS AND FRESH PEARS. JAMES MILLS ORCHARDS CORPORATION, Hamilton City and Maxwell, Calif.
Filed January 24, 1925. Serial No. 208,599. PUBLISHED MARCH 31, 1925.

199,758. CANNED VEGETABLES—NAMELY, CORN; TOMATO PASTE, FRUIT JELLY, AND PRESERVED FRUITS. INTERSTATE WHOLESALE GROCERS, INC., New Orleans, La.
Filed January 24, 1925. Serial No. 208,593. PUBLISHED MARCH 31, 1925.

199,759. SIRUPS FOR FOOD PURPOSES. H. T. COTTAM & COMPANY, INC., New Orleans, La.
Filed January 24, 1925. Serial No. 208,572. PUBLISHED APRIL 7, 1925.

199,760. COTTON THREADS. BRITTON THREADS, INC., Pawtucket, R. I.
Filed January 24, 1925. Serial No. 208,559. PUBLISHED MARCH 31, 1925.

199,761. MAYONNAISE, OLIVE MAYONNAISE, CATCHUP, AND CHILI SAUCE. AUSTIN, NICHOLS & Co., Brooklyn, N. Y.
Filed January 24, 1925. Serial No. 208,550. PUBLISHED MARCH 31, 1925.

199,762. CANDY. THE ADAM HOFFMAN COMPANY, Cleveland, Ohio.
Filed January 24, 1925. Serial No. 208,545. PUBLISHED MARCH 31, 1925.

199,763. FILTER FABRICS MADE OF COTTON. UNITY COTTON MILLS, La Grange, Ga.
Filed January 23, 1925. Serial No. 208,539. PUBLISHED MARCH 31, 1925.

199,764. CANNED SPICED FISH MEATS. BOSENCE & EATON, Redondo Beach, Calif.
Filed January 23, 1925. Serial No. 208,504. PUBLISHED APRIL 7, 1925.

199,765. COAL. LEHIGH VALLEY COAL SALES COMPANY, New York, N. Y.
Filed January 22, 1925. Serial No. 208,469. PUBLISHED MARCH 31, 1925.

199,766. FRESH LEMONS. JAMES MILLS ORCHARDS CORPORATION, Hamilton City and Maxwell, Calif.
Filed January 21, 1925. Serial No. 208,414. PUBLISHED MARCH 31, 1925.

199,767. FRESH DECIDUOUS FRUITS, FRESH GRAPES, FRESH CITROUS FRUITS, MELONS, AND EGGS, AND DRESSED POULTRY. J. J. GRAVES, doing business as Oak Shadows Farms, San Francisco, Calif.
Filed January 21, 1925. Serial No. 208,394. PUBLISHED APRIL 7, 1925.

199,768. NERVE TABLETS. THE CAREY MEDICAL CORPORATION, Elmira, N. Y.
Filed January 20, 1925. Serial No. 208,370. PUBLISHED APRIL 7, 1925.

199,769. NERVE TABLETS. THE CAREY MEDICAL CORPORATION, Elmira, N. Y.
Filed January 20, 1925. Serial No. 208,369. PUBLISHED MARCH 24, 1925.

199,770. HUNTING COATS AND HUNTING PANTS IN LONG AND KNEE LENGTHS, HUNTING VESTS, HUNTING CAPS AND HATS, COATS, PANTS, KNICKERBOCKERS, AND VESTS MADE OF DUCK AND OTHER FABRICS FOR MEN, WOMEN, AND CHILDREN, LEGGINGS AND PUTTEES. ALWARD-ANDERSON-SOUTHARD CO., Chicago, Ill.
Filed January 20, 1925. Serial No. 208,328. PUBLISHED MARCH 31, 1925.

199,771. DEODORIZED VEGETABLE STEARIN FOR FOOD PURPOSES. THE PROCTOR AND GAMBLE COMPANY, Cincinnati, Ohio.
Filed January 19, 1925. Serial No. 208,312. PUBLISHED APRIL 7, 1925.

199,772. SPRAY USED FOR STERILIZING, DISINFECTING, DEODORIZING, AND DESTROYING INSECTS. LACKO SPECIALTY CO., INC., San Francisco, Calif.
Filed January 19, 1925. Serial No. 208,299. PUBLISHED APRIL 7, 1925.

199,773. ROACH COMPOUND. JAMES CARAPOTIAS, Rockford, Ill.
Filed January 19, 1925. Serial No. 208,278. PUBLISHED MARCH 31, 1925.

199,774. CHECKS. HERBERT D. WESSMAN, Springfield, Mass.
Filed January 17, 1925. Serial No. 208,269. PUBLISHED MARCH 31, 1925.

199,775. COTTON PIECE GOODS. THOMAS, LAKE & WHITON, INC., Boston, Mass.
Filed January 17, 1925. Serial No. 208,265. PUBLISHED APRIL 7, 1925.

199,776. PERFUMES, TOILET WATER, FACE POWDER, AND ROUGE. COTY, INC., Wilmington, Del., and New York, N. Y.
Filed January 17, 1925. Serial No. 208,226. PUBLISHED MARCH 31, 1925.

199,777. CLEANING FLUID OR COMPOUND. BEE KLEANER COMPANY, Atlanta, Ga.
Filed November 21, 1924. Serial No. 205,629. PUBLISHED MARCH 31, 1925.

199,778. HOUSE AND BATH ROBES, NIGHT ROBES, PYJAMAS, KNICKERS, TROUSERS, JACKETS, COATS, AND UNIFORMS. WHITE GOODS MFG. CO., Chicago, Ill.
Filed November 15, 1924. Serial No. 205,381. PUBLISHED FEBRUARY 3, 1925.

199,779. MINERAL WATER. PAULSON MEDICINAL WELL CO., Saratoga, Wyo.
Filed November 15, 1924. Serial No. 205,353. PUBLISHED MARCH 31, 1925.

199,780. MEDICINES USED IN THE TREATMENT OF ASTHMATIC AFFECTIONS. AMERICAN FELSOL COMPANY, Lorain, Ohio.
Filed November 15, 1924. Serial No. 205,307. PUBLISHED MARCH 31, 1925.

199,781. ALIMENTARY PASTES. ALBERT MUSHER, doing business as Musher and Company, Washington, D. C.
Filed November 14, 1924. Serial No. 205,282. PUBLISHED MARCH 31, 1925.

199,782. APPARATUS FOR DISTRIBUTING LOOSE OR FLUENT SOLID MATERIALS. RANSOME CONCRETE MACHINERY COMPANY, Dunellen Borough, N. J.
Filed November 11, 1924. Serial No. 205,138. PUBLISHED MARCH 31, 1925.

199,783. COTTON PIECE GOODS AND OTHER TEXTILE FABRICS. NATIONAL FABRIC AND FINISHING COMPANY, Boston, Mass.
Filed November 11, 1924. Serial No. 205,126. PUBLISHED MARCH 10, 1925.

199,784. POTATO CHIPS AND MAYONNAISE SALAD DRESSING. ABRAHAM I. HORMATS, doing business as K & P Products Co., Baltimore, Md.
Filed November 10, 1924. Serial No. 205,068. PUBLISHED MARCH 31, 1925.

199,785. MEDICINAL TABLET FOR A BODY BUILDER AND TO REGULATE THE BOWELS, KIDNEYS, LIVER, STOMACH, AND DIGESTION. TRI STATE PHARMACY CO., Evansville, Ind.
Filed November 7, 1924. Serial No. 204,981. PUBLISHED MARCH 24, 1925.

199,786. CANDLES. STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill.
Filed November 5, 1924. Serial No. 204,874. PUBLISHED MARCH 24, 1925.

199,787. SPECIAL STEEL ROLLED IN FLAT BARS, ROUND BARS, AND PLATES FOR USE IN MAKING JAIL CELLS. SOUTHERN STEEL COMPANY, San Antonio, Tex.
Filed November 5, 1924. Serial No. 204,873. PUBLISHED MARCH 31, 1925.

199,788. MEDICINAL SALVE KNOWN AS CAMTHOL USEFUL IN ALL FORMS OF CONGESTION AND INFLAMMATION AFFECTING THE RESPIRATORY ORGANS. THE CAMTHOL COMPANY, Savannah, Ga.
Filed November 4, 1924. Serial No. 204,813. PUBLISHED MARCH 17, 1925.

199,789. SAUSAGE. G. H. HAMMOND COMPANY, Chicago, Ill.
Filed November 3, 1924. Serial No. 204,768. PUBLISHED MARCH 31, 1925.

199,790. PESSARIES, DOUBLE-ACTION SYRINGES, AND SANITARY-NAPKIN SUPPORTERS. FREDERICK K. OEPPING, doing business as The Pyramide Company, St. Louis, Mo.
Filed November 1, 1924. Serial No. 204,720. PUBLISHED MARCH 31, 1925.

199,791. CERTAIN TEXTILE FABRICS. EAGLE PIECE DYE WORKS, Paterson, N. J.
Filed October 30, 1924. Serial No. 204,590. PUBLISHED APRIL 7, 1925.

199,792. TITLE OF MONTHLY MAGAZINE. HAPPINESS PUBLISHING COMPANY, Chicago, Ill.
Filed October 29, 1924. Serial No. 204,553. PUBLISHED FEBRUARY 17, 1925.

199,793. PERFUMES, TOILET WATERS, ROUGES, COMPACTS, TOILET POWDERS, LIP STICKS, AROMATIC VINEGARS, HAIR AND SKIN LOTIONS, FACE PACKS, BEAUTY CLAY, COLD CREAMS, FACE CREAMS, EYEBROW PENCILS, FACIAL PAINTS, SACHETS, AND BATH SALTS. NEMESIO LOPEZ CABO & JOSÉ LUIS CONDE PEREZ, Buenos Aires, Argentina.
Filed October 28, 1924. Serial No. 204,497. PUBLISHED MARCH 24, 1925.

199,794. CANDY. THE SWEETS COMPANY OF AMERICA, INCORPORATED, New York, N. Y.
Filed October 24, 1924. Serial No. 204,379. PUBLISHED APRIL 7, 1925.

199,795. CRAVATS, FOUR-IN-HAND TIES, AND BOW TIES. J. I. GUMPORT AND SONS, INC., New York, N. Y.
Filed October 22, 1924. Serial No. 204,259. PUBLISHED MARCH 24, 1925.

199,796. LEATHER LOOM SUNDRIES—NAMELY, BUMPER STRAPS, HARNESS STRAPS, HOLD-UP STRAPS, JACK STRAPS, LUG STRAPS, HEEL STRAPS, AND PICKERS. CHARLES BOND COMPANY, Philadelphia, Pa.
Filed October 16, 1924. Serial No. 203,934. PUBLISHED MARCH 31, 1925.

199,797. CLOTHING—NAMELY, TROUSERS. TRIANGLE CLOTHING MFG. CO., St. Louis, Mo.
Filed April 21, 1920. Serial No. 131,454. PUBLISHED JANUARY 24, 1922.

199,798. STEEL BILLETS, BARS, FORGINGS, AND DISKS. POLDI STEEL CORPORATION OF AMERICA, New York, N. Y.
Filed April 19, 1921. Serial No. 146,390. PUBLISHED APRIL 1, 1924.

199,799. STEEL BILLETS, BARS, FORGINGS, AND DISKS. POLDI STEEL CORPORATION OF AMERICA, New York, N. Y.
Filed April 19, 1921. Serial No. 146,395. PUBLISHED APRIL 1, 1924.

199,800. LUBRICATING OILS, PARTICULARLY MOTOR AND TRACTOR OILS. JOHN M. BRANT COMPANY, Bushnell, Ill.
Filed May 29, 1922. Serial No. 164,626. PUBLISHED MARCH 17, 1925.

199,801. LUBRICATING OILS AND GREASES. CALIFORNIA PAINT COMPANY, Oakland, Calif.
Filed June 14, 1922. Serial No. 165,463. PUBLISHED APRIL 3, 1923.

199,802. PAPER NAPKINS, DOILIES, AND TABLECLOTHS. THE ICY-HOT BOTTLE COMPANY, Cincinnati, Ohio, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio, a Corporation of Ohio.
Filed July 31, 1922. Serial No. 167,639. PUBLISHED MARCH 31, 1925.

199,803. CERTAIN SPORTING GOODS. LEON A. OLMSTED, doing business as United States Athletic Company, Chicago, Ill.
Filed October 12, 1922. Serial No. 170,667. PUBLISHED APRIL 7, 1925.

199,804. WARMING PADS, MEDICAL COILS, AND MASSAGE VIBRATORS. LEON A. OLMSTED, doing business as United States Athletic Company, Chicago, Ill.
Filed October 12, 1922. Serial No. 170,669. PUBLISHED MARCH 31, 1925.

199,805. HOSIERY. EMERY & BEBBS COMPANY, INC., New York, N. Y., assignor to Onyx Hosiery Inc., New York, N. Y., a Corporation of New York.
Filed October 24, 1922. Serial No. 171,122. PUBLISHED OCTOBER 30, 1923.

199,806. LACES SOLD BY THE YARD FOR DRESS TRIMMINGS. BADISH & HOLT, New York, N. Y.
Filed November 1, 1922. Serial No. 171,447. PUBLISHED MARCH 31, 1925.

199,807. SILKS, RIBBONS, AND SILK AND COTTON MIXTURES IN THE PIECE. JOS. GRINSFELDER & SONS, INC., Baltimore, Md.
Filed December 15, 1922. Serial No. 173,352. PUBLISHED NOVEMBER 4, 1924.

199,808. FOUNTAIN PENS. CORONA PEN COMPANY, Janesville, Wis.
Filed December 26, 1922. Serial No. 173,810. PUBLISHED MARCH 31, 1925.

199,809. PEAT-FUEL PRODUCT IN THE FORM OF BLOCKS, CYLINDERS, AND OTHER SHAPES. JOHN VAN CLARK, Minneapolis, Minn.
Filed December 26, 1922. Serial No. 173,808. PUBLISHED MARCH 31, 1925.

199,810. LUBRICATING OILS AND GREASES. THE CANFIELD OIL COMPANY, Cleveland, Ohio.
Filed March 30, 1923. Serial No. 178,329. PUBLISHED MARCH 17, 1925.

199,811. ELECTRICAL POLYSTATION LOUD-SPEAKING TELEPHONE SYSTEMS, ELECTRICAL LOUD-SPEAKING RECEIVERS FOR POLYSTATION TELEPHONE SYSTEMS, RADIO LOUD SPEAKERS, AND RADIOHORNS. AUDIOPHONE COMPANY OF AMERICA, New York, N. Y.
Filed May 24, 1923. Serial No. 181,052. PUBLISHED DECEMBER 9, 1924.

199,812. GASOLINE. LOUIS J. WILDE, Los Angeles, Calif.
Filed July 27, 1923. Serial No. 183,784. PUBLISHED NOVEMBER 27, 1923.

199,813. COTTON PIECE GOODS. AMERICAN BLEACHED GOODS COMPANY, INC., New York, N. Y.
Filed August 8, 1923. Serial No. 184,200. PUBLISHED APRIL 7, 1925.

199,814. TOOL STEEL. PETER A. FRASSE & CO. INC., New York, N. Y.
Filed September 29, 1923. Serial No. 186,360. PUBLISHED NOVEMBER 27, 1923.

199,815. CERTAIN NAMED OIL TANK AND PIPE LINE FITTINGS. THE OIL CONSERVATION ENGINEERING COMPANY, Cleveland, Ohio.
Filed November 8, 1923. Serial No. 188,180. PUBLISHED MARCH 31, 1925.

199,816. UNTREATED TEXTILE POLISHING CLOTHS AND DUSTERS. JONES BROTHERS, LIMITED, Manchester, England.
Filed November 15, 1923. Serial No. 188,372. PUBLISHED APRIL 7, 1925.

199,817. LARD SUBSTITUTES FOR SHORTENING AND FRYING MEDIUMS. ASPEGREN & CO., INC., New York, N. Y.
Filed November 16, 1923. Serial No. 188,399. PUBLISHED MARCH 25, 1924.

199,818. CERTAIN COSMETICS AND TOILET AND DERMATOLOGICAL PREPARATIONS. HARRY BALLER, doing business as Ray Manufacturing Company, New York, N. Y.
Filed January 30, 1925. Serial No. 208,841. PUBLISHED APRIL 7, 1925.

199,819. LIQUID DENTIFRICE OR ANTISEPTIC LIQUID PREPARATION. THE ASSOCIATED PROFESSIONS INC., New York, N. Y.
Filed January 30, 1925. Serial No. 208,840. PUBLISHED MARCH 24, 1925.

199,820. DENTAL CREAM. THE ASSOCIATED PROFESSIONS INC., New York, N. Y.
Filed January 30, 1925. Serial No. 208,839. PUBLISHED MARCH 24, 1925.

199,821. CRUDE ARSENIC, WHITE ARSENIC, AND SODIUM-ARSENITE SOLUTION. UNITED STATES SMELTING, REFINING AND MINING COMPANY, Portland, Me., and Boston, Mass.
Filed January 29, 1925. Serial No. 208,835. PUBLISHED MARCH 24, 1925.

199,822. PREPARATION FOR THE TREATMENT AND RELIEF OF PYORRHEA AND KINDRED DISEASES. JOHN A. STANDISH, Washington, D. C., assignor to Pyorrout Laboratories, Inc., Washington, D. C., a Corporation of Delaware.
Filed January 29, 1925. Serial No. 208,830. PUBLISHED APRIL 7, 1925.

199,823. MEDICINAL OINTMENT INDICATED IN SEBORRHEA CAPITIS, SEBORRHEIC AND OTHER IRRITATIONS AND INFLAMMATIONS OF THE SKIN. REPUBLIC INTERNATIONAL CORPORATION, Port Washington, N. Y.
Filed January 29, 1925. Serial No. 208,826. PUBLISHED APRIL 7, 1925.

199,824. GRASS SEED, IN PARTICULAR TIMOTHY, REDTOP, RED CLOVER, AND ALSIKE. W. N. POTTER & SONS, Greenfield, Mass.
Filed January 29, 1925. Serial No. 208,824. PUBLISHED APRIL 7, 1925.

199,825. GRASS SEED, IN PARTICULAR TIMOTHY, REDTOP, RED CLOVER, ALSIKE, AND LAWN SEED. W. N. POTTER & SONS, Greenfield, Mass.
Filed January 29, 1925. Serial No. 208,823. PUBLISHED APRIL 7, 1925.

199,826. MEN'S HATS. GOLDSTEIN BROS., Brooklyn, N. Y.
Filed January 29, 1925. Serial No. 208,808. PUBLISHED MARCH 31, 1925.

199,827. CIGARS. WALTER PERCY DANFORTH, Augusta, Ga.
Filed January 29, 1925. Serial No. 208,796. PUBLISHED APRIL 7, 1925.

199,828. MEDICINAL COMPOUNDS FOR USE IN THE TREATMENT OF NEURITIS OF A GOUTY ORIGIN, HEADACHES, RHEUMATISM, GOUT, SCIATICA, ARTHRITIS, AND SIMILAR AILMENTS; FOR THE ELIMINATION OF THE UREA THAT HAS BEEN FORMED, AND THE LESSENING OF THE FORMATION OF UREA, AND AS AN INTESTINAL ANTISEPTIC. SAMUEL LEWIS SUMMERS, Fort Washington, Pa.
Filed January 28, 1925. Serial No. 208,789. PUBLISHED MARCH 24, 1925.

199,829. MEDICINAL COMPOUNDS FOR USE IN THE TREATMENT OF SYPHILIS AND AS A CONSTITUTIONAL ALTERATIVE. SAMUEL LEWIS SUMMERS, Fort Washington, Pa.
Filed January 28, 1925. Serial No. 208,788. PUBLISHED MARCH 24, 1925.

199,830. MEDICINAL COMPOUNDS FOR USE IN THE TREATMENT OF COUGHS, COLDS, BRONCHITIS, PNEUMONIA, AND PULMONARY TUBERCULOSIS. SAMUEL LEWIS SUMMERS, Fort Washington, Pa.
Filed January 28, 1925. Serial No. 208,787. PUBLISHED MARCH 24, 1925.

199,831. MEDICINAL COMPOUNDS FOR USE AS A CONSTITUTIONAL ALTERNATIVE, A SYSTEMIC TONIC IN THE TREATMENT OF SYPHILIS. SAMUEL LEWIS SUMMERS, Fort Washington, Pa.
Filed January 28, 1925. Serial No. 208,786. PUBLISHED MARCH 24, 1925.

199,832. PROTEIN PRODUCT WHICH PROMOTES MAMMARY ACTIVITY IN NURSING MOTHERS. THE E. T. PEARSON CORPORATION, New York, N. Y.
Filed January 28, 1925. Serial No. 208,774. PUBLISHED APRIL 7, 1925.

199,833. FACE POWDERS, FACE CREAMS, ROUGES, TOILET WATERS, PERFUMES, HAIR TONICS, HAIR OILS, HAIR REMOVERS, DENTIFRICES, TOOTH POWDERS, NAIL POLISHES, DEODORIZING PREPARATIONS, SACHET POWDERS, TALCUM POWDERS, AND ANTISEPTICS. ANNA MARY BLAKE, doing business as Healoderm Laboratories, Fayetteville, N. C.
Filed February 18, 1925. Serial No. 209,767. PUBLISHED APRIL 7, 1925.

199,834. OINTMENT FOR THE RELIEF OF NEURITIS, NEURALGIA, SCIATICA, LUMBAGO, RHEUMATISM, RHEUMATIC PAINS, SWOLLEN GLANDS AND JOINTS, SORE, TIRED, AND ACHING FEET, AND SIMILAR AILMENTS. SEMION S. NELSON, doing business as The Nelson Company, Hartford, Conn.
Filed January 28, 1925. Serial No. 208,772. PUBLISHED APRIL 7, 1925.

199,835. STRAW HATS FOR MEN. ENDEL & PELES, New York, N. Y.
Filed January 28, 1925. Serial No. 208,747. PUBLISHED MARCH 31, 1925.

199,836. MACARONI. L. LAMBROSA & COMPANY, INC., Brooklyn, N. Y.
Filed January 27, 1925. Serial No. 208,711. PUBLISHED MARCH 31, 1925.

199,837. MACARONI. L. LAMBROSA & COMPANY, INC., Brooklyn, N. Y.
Filed January 27, 1925. Serial No. 208,710. PUBLISHED MARCH 31, 1925.

199,838. TOILET WATER, SCALP POMADE, PEROXIDE OF HYDROGEN, SHAMPOO, BAY RUM, MASSAGE CREAM, HAIR TONIC, SKIN CREAM, AND HAIR OIL. LOS ANGELES BARBER SUPPLY CO. INC., Los Angeles, Calif.
Filed February 12, 1925. Serial No. 209,483. PUBLISHED APRIL 7, 1925.

199,839. BROOMS. TWINKO MANUFACTURING COMPANY, INC., Monrovia, Calif.
Filed February 12, 1925. Serial No. 209,508. PUBLISHED APRIL 7, 1925.

199,840. GINGER ALE. THE BUCKEYE PRODUCING CO., Toledo, Ohio.
Filed February 13, 1925. Serial No. 209,525. PUBLISHED MARCH 31, 1925.

199,841. SKIN LOTIONS. CHAS. H. CLARK, Philadelphia, Pa.
Filed February 13, 1925. Serial No. 209,529. PUBLISHED APRIL 7, 1925.

199,842. CANNED SALMON. SHEPARD POINT PACKING COMPANY, Seattle, Wash.
Filed February 13, 1925. Serial No. 209,550. PUBLISHED MARCH 31, 1925.

199,843. ANTISEPTIC, ASTRINGENT, AND DEODORIZING SOLUTIONS FOR THE MOUTH AND THROAT. EDWIN B. DOUGLAS, Chicago, Ill.
Filed February 14, 1925. Serial No. 209,566. PUBLISHED APRIL 7, 1925.

199,844. LOTION FOR THE HANDS AND FACE. BLAESSER & ESHLEMAN, Paullina, Iowa.
Filed February 16, 1925. Serial No. 209,614. PUBLISHED APRIL 7, 1925.

199,845. WOOLEN PIECE GOODS. FORSTMANN & HUFFMANN COMPANY, Passaic, N. J.
Filed February 16, 1925. Serial No. 209,634. PUBLISHED APRIL 7, 1925.

199,846. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,641. PUBLISHED MARCH 31, 1925.

199,847. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,642. PUBLISHED MARCH 31, 1925.

199,848. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,643. PUBLISHED MARCH 31, 1925.

199,849. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,644. PUBLISHED MARCH 31, 1925.

199,850. TOILET PAPER, PAPER TOWELS, PAPER NAPKINS, AND CRÊPE PAPERS. FORT HOWARD PAPER COMPANY, Green Bay, Wis.
Filed February 16, 1925. Serial No. 209,646. PUBLISHED MARCH 31, 1925.

199,851. BROOMS. NATIONAL BROOM MANUFACTURING CO., Pueblo, Colo.
Filed February 16, 1925. Serial No. 209,679. PUBLISHED APRIL 7, 1925.

199,852. HANDKERCHIEFS. STRAUSS BROS. & CO., New York, N. Y.
Filed February 16, 1925. Serial No. 209,709. PUBLISHED APRIL 7, 1925.

199,853. CHILDREN'S SLEDS. AMERICAN TOY & NOVELTY WORKS, INC., York, Pa.
Filed February 17, 1925. Serial No. 209,716. PUBLISHED APRIL 7, 1925.

199,854. PERFUMES AND TOILET WATERS. MARYON DE FOR, INC., New York, N. Y.
Filed February 17, 1925. Serial No. 209,736. PUBLISHED APRIL 7, 1925.

199,855. PREPARATION FOR CLEANING TEETH. FREDERIC C. AUBREY, Albany, N. Y.
Filed February 18, 1925. Serial No. 209,762. PUBLISHED APRIL 7, 1925.

199,856. STEEL TANKS. GRAVER CORPORATION, East Chicago, Ind.
Filed February 18, 1925. Serial No. 209,786. PUBLISHED APRIL 7, 1925.

199,857. SHAMPOO. GUARANTEED PRODUCTS CORPORATION, New York, N. Y.
Filed February 18, 1925. Serial No. 209,787. PUBLISHED APRIL 7, 1925.

199,858. CROSS-WORD-PUZZLE GAMES. WILLIAM PELES, doing business as Make-Ur-Own Mfg. Company, Beacon, N. Y.
Filed February 18, 1925. Serial No. 209,810. PUBLISHED APRIL 7, 1925.

199,859. CONE DISPENSERS. THOMAS ADAMS, Barberton, Ohio.
Filed February 19, 1925. Serial No. 209,827. PUBLISHED APRIL 7, 1925.

199,860. COTTON PIECE GOODS. M. H. OPPENHEIMER & CO., INC., New York, N. Y.
Filed February 19, 1925. Serial No. 209,866. PUBLISHED APRIL 7, 1925.

199,861. BROOMS. AMERICAN BROOM AND BRUSH CO., Amsterdam, N. Y.
Filed February 20, 1925. Serial No. 209,892. PUBLISHED APRIL 7, 1925.

199,862. HANDKERCHIEFS. BUTLER BROTHERS, Chicago, Ill.
Filed February 21, 1925. Serial No. 209,973. PUBLISHED APRIL 7, 1925.

199,863. POWDER MOUTH WASH. SAL-ORIS CHEMICAL CO., Minneapolis, Minn.
Filed February 21, 1925. Serial No. 210,013. PUBLISHED APRIL 7, 1925.

199,864. PREPARATIONS FOR THE TREATMENT OF DISEASES OF THE LIVER. C. F. SIMMONS MEDICINE CO. INCORPORATED, St. Louis, Mo.
Filed February 21, 1925. Serial No. 210,015. PUBLISHED APRIL 7, 1925.

199,865. PREPARATIONS FOR THE TREATMENT OF DISEASES OF THE LIVER. C. F. SIMMONS MEDICINE CO. INCORPORATED, St. Louis, Mo.
Filed February 21, 1925. Serial No. 210,016. PUBLISHED APRIL 7, 1925.

199,866. DOUBLE SILICATE OF SODIUM AND ALUMINUM. AMERICAN DOUCIL COMPANY, Philadelphia, Pa.
Filed February 25, 1925. Serial No. 210,110. PUBLISHED APRIL 7, 1925.

199,867. AROMATIC COMPOUNDS SUITABLE FOR PERFUMING PURPOSES. MORANA INCORPORATED, New York, N. Y.
Filed February 25, 1925. Serial No. 210,130. PUBLISHED APRIL 7, 1925.

199,868. MEDICINAL PREPARATION EXERCISING A REMEDIAL EFFECT IN NERVOUS DISORDERS. MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa.
Filed February 25, 1925. Serial No. 210,131. PUBLISHED APRIL 7, 1925.

199,869. HAIR TONIC. MAURICE MURPHY, doing business at Murphy Remedies Company, Pittsburgh, Pa.
Filed February 25, 1925. Serial No. 210,132. PUBLISHED APRIL 7, 1925.

199,870. MEDICINE FOR COUGHS, COLDS, WHOOPING COUGH, AND LUNG DISEASES THAT ARE NOT INCURABLE. FRED L. BEMIS, doing business as Bemis Drug Co., North Abington, Mass.
Filed February 26, 1925. Serial No. 210,157. PUBLISHED APRIL 7, 1925.

199,871. EXTRACT OF COD-LIVER OIL. JOSEPH NATHAN & COMPANY, LIMITED, London, England.
Filed February 26, 1925. Serial No. 210,180. PUBLISHED APRIL 7, 1925.

199,872. MEDICINAL PREPARATION FOR USE AS A PREVENTIVE AND TREATMENT OF PYORRHEA, DISEASED TONSILS, SORE THROAT, COLDS IN THE HEAD, BAD BREATH, DANDRUFF, BODY ODORS, PIMPLES, AND ITCHING SKIN. DUMORE PRODUCTS CO., South Bend, Ind.
Filed February 12, 1925. Serial No. 209,466. PUBLISHED MARCH 24, 1925.

199,873. FLY KILLER AND INSECTICIDE. MAURY-COLE COMPANY, Memphis, Tenn.
Filed February 11, 1925. Serial No. 209,422. PUBLISHED MARCH 24, 1925.

199,874. LADIES', MISSES', AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE OF LEATHER, CANVAS, CLOTH, OR COMBINATIONS THEREOF. LAIRD, SCHOBER & COMPANY, Philadelphia, Pa.
Filed February 11, 1925. Serial No. 209,412. PUBLISHED MARCH 31, 1925.

199,875. LUNG TONIC FOR USE IN THE TREATMENT OF COLDS, COUGHS, INFLUENZA, LA GRIPPE, AND LUNG TROUBLES. THE MARTIN DRUG STORE, Loraine, Tex.
Filed February 10, 1925. Serial No. 209,359. PUBLISHED MARCH 24, 1925.

199,876. INSECTICIDE. CONNECTICUT CHEMICAL & DISINFECTANT CO., New Haven, Conn.
Filed February 10, 1925. Serial No. 209,335. PUBLISHED MARCH 24, 1925.

199,877. PAPER BAGS. COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y.
Filed February 10, 1925. Serial No. 209,334. PUBLISHED APRIL 7, 1925.

199,878. PAPER BAGS. COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y.
Filed February 10, 1925. Serial No. 209,333. PUBLISHED APRIL 7, 1925.

199,879. PAPER BAGS. COLUMBIA BAG & PAPER CORPORATION, Long Island City, N. Y.
Filed February 10, 1925. Serial No. 209,331. PUBLISHED APRIL 7, 1925.

199,880. MEDICINE USED FOR COUGHS, COLDS, BRONCHITIS, HOARSENESS, AND RELIEF OF COUGHS IN GENERAL. BRANSKY & HARRIS, doing business as The B & H Pharmacal Company, Norfolk, Va., and Chicago, Ill.
Filed February 10, 1925. Serial No. 209,330. PUBLISHED APRIL 7, 1925.

199,881. FABRICS MADE OF YARNS OF WOOL AND SILK. MONOMAC SPINNING COMPANY, Boston, Mass.
Filed February 9, 1925. Serial No. 209,308. PUBLISHED APRIL 7, 1925.

199,882. SANITARY CAN FOR SOILED CLOTHS. SAMUEL LEWIS, New York, N. Y.
Filed February 9, 1925. Serial No. 209,304. PUBLISHED APRIL 7, 1925.

199,883. GAUGE GLASSES. CRANDALL PACKING COMPANY, Palmyra, N. Y.
Filed February 7, 1925. Serial No. 209,203. PUBLISHED APRIL 7, 1925.

199,884. LINIMENT FOR SKIN DISEASES. WILLIAM W. BROOKS, doing business as Brooks Chemical Co., Memphis, Tenn.
Filed February 7, 1925. Serial No. 209,197. PUBLISHED MARCH 31, 1925.

199,885. PIPE FITTINGS, INCLUDING COUPLINGS, NIPPLES, ELBOWS, T'S, BIBBS, CAPS, FLANGES, FLOOR PLATES, AND GATE VALVES, ANGLE VALVES, GLOBE VALVES, AND CHECK VALVES. WASCO MANUFACTURING CO. INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,625. PUBLISHED MARCH 31, 1925.

199,886. OLIVE OIL. AUGUST DELUCA, doing business as August Deluca & Co., New York, N. Y.
Filed January 26, 1925. Serial No. 208,644. PUBLISHED MARCH 31, 1925.

199,887. WOMEN'S, MISSES', AND CHILDREN'S SHOES MADE WHOLLY OR IN PART OF LEATHER AND CLOTH. J. J. GROVER'S SONS COMPANY, Lynn, Mass.
Filed January 26, 1925. Serial No. 208,651. PUBLISHED MARCH 31, 1925.

199,888. COAL. KELLY COAL & MATERIAL CO., Springfield, Mo.
Filed January 26, 1925. Serial No. 208,658. PUBLISHED MARCH 31, 1925.

199,889. OLIVE OIL. LA MONTAGNE BROTHERS, INC., New York, N. Y.
Filed January 26, 1925. Serial No. 208,661. PUBLISHED MARCH 31, 1925.

199,890. HOUSEHOLD GLASSWARE. J. E. MARSDEN GLASS WORKS, INC., Ambler, Pa.
Filed January 26, 1925. Serial No. 208,667. PUBLISHED MARCH 31, 1925.

199,891. METAL FENCE POSTS. THE AMERICAN STEEL AND WIRE COMPANY OF NEW JERSEY, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa., New York, N. Y.; and Worcester, Mass.
Filed January 27, 1925. Serial No. 208,694. PUBLISHED MARCH 31, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

199,892. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HERMAN BRUNN, New York, N. Y. Filed Mar. 28, 1923. Serial No. 178,163.

Venida

Particular description of goods.—Candies.
Claims use since Mar. 28, 1923.

199,893. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) C. A. AUER, Corry, Pa. Filed Dec. 26, 1924. Serial No. 207,228.

SEEP

Particular description of goods.—Leather Oil-Well Cups.
Claims use since August, 1913.

TRADE-MARK REGISTRATIONS RENEWED

26,593. TONIC MEDICINES. Registered May 28, 1895. SAMUEL B. HARTMAN. Renewed May 28, 1925, to The Peruna Company, Columbus, Ohio, a Corporation of Ohio, successor.

26,594. MEDICINE FOR THE BLOOD. Registered May 28, 1895. SAMUEL B. HARTMAN. Renewed May 28, 1925, to The Peruna Company, Columbus, Ohio, a Corporation of Ohio, successor.

26,595. LAXATIVE MEDICINES. Registered May 28, 1895. SAMUEL B. HARTMAN. Renewed May 28, 1925, to The Peruna Company, Columbus, Ohio, a Corporation of Ohio, successor.

26,919. OPTICAL GOODS, INCLUDING SPECTACLES, LENSES, TEST CASES, AND GAGES. Registered August 13, 1895. AMERICAN OPTICAL COMPANY, Southbridge, Mass., an Association. Renewed August 13, 1925.

27,113. SIRUPS. Registered October 1, 1895. TOWLE SYRUP COMPANY. Renewed October 1, 1925, to The Log Cabin Products Company, St. Paul, Minn., a Corporation of Delaware, assignee.

44,378. WHEAT FLOUR. Registered July 4, 1905. PIEDMONT MILLS INC., Lynchburg, Va., a Corporation of Virginia. Renewed July 4, 1925.

44,586. WATCHES AND CLOCKS. Registered July 11, 1905. ROBT. H. INGERSOLL & BRO., New York, N. Y. Renewed July 11, 1925, to Waterbury Clock Company, Waterbury, Conn., a Corporation of Connecticut, assignee.

44,609. BELTING FOR POWER TRANSMISSION. Registered July 18, 1905. THE GANDY BELTING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed July 18, 1925.

44,610. BELTING FOR POWER TRANSMISSION. Registered July 18, 1905. THE GANDY BELTING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed July 18, 1925.

44,611. BELTING FOR POWER TRANSMISSION. Registered July 18, 1905. THE GANDY BELTING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed July 18, 1925.

44,865. LEATHER SHOES. Registered July 25, 1905. PETERS SHOE CO. Renewed July 25, 1925, to International Shoe Company, St. Louis, Mo., a Corporation of Delaware, assignee.

44,866. LEATHER SHOES. Registered July 25, 1905. PETERS SHOE CO. Renewed July 25, 1925, to International Shoe Company, St. Louis, Mo., a Corporation of Delaware, assignee.

44,868. LEATHER SHOES. Registered July 25, 1905. PETERS SHOE CO. Renewed July 25, 1925, to International Shoe Company, St. Louis, Mo., a Corporation of Delaware, assignee.

45,141. AN INTERNAL REMEDY FOR COLIC AND CHOLERA. Registered August 8, 1905. FRANK TRAUDT. Renewed August 8, 1925, to Francis J. Traudt, St. Louis, Mo., assignee.

45,325. KNITTED UNDERWEAR FOR MEN AND BOYS. Registered August 15, 1905. UTICA KNITTING CO., Utica, N. Y., a Corporation of New York. Renewed August 15, 1925.

45,689. ENVELOPES. Registered August 29, 1905. SAMUEL CUPPLES ENVELOPE CO., St. Louis, Mo., and New York, N. Y. Renewed August 29, 1925, to Samuel Cupples Envelope Co., St. Louis, Mo., a Corporation of Missouri.

46,006. GROUND CRYSTAL QUARTZ. Registered September 5, 1905. THE BRIDGEPORT WOOD FINISHING CO. Renewed September 5, 1925, to The Lithowhite Silex Co., New Milford, Conn., a Corporation of Connecticut, successor.

46,043. LEATHER SHOES. Registered September 5, 1905. PETERS SHOE CO., Renewed September 5, 1925, to International Shoe Company, St. Louis, Mo., a Corporation of Delaware, assignee.

46,111. BELTING FOR POWER TRANSMISSION. Registered September 5, 1905. THE GANDY BELTING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed September 5, 1925.

46,112. BELTING FOR POWER TRANSMISSION. Registered September 5, 1905. THE GANDY BELTING COMPANY, Baltimore, Md., a Corporation of Maryland. Renewed September 5, 1925.

46,238. BEARING METAL. Registered September 12, 1905. FRICTIONLESS METAL COMPANY, Richmond, Va. Renewed September 12, 1925, to Frictionless Metal Company, St. Louis, Mo., a Corporation of Tennessee.

46,239. BEARING METAL. Registered September 12, 1905. FRICTIONLESS METAL COMPANY, Richmond, Va. Renewed September 12, 1925, to Frictionless Metal Company, St. Louis, Mo., a Corporation of Tennessee.

46,250. INSULATING COMPOUNDS. Registered September 12, 1905. STANDARD UNDERGROUND CABLE COMPANY, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed September 12, 1925.

46,333. LININGS OF INSULATING MATERIAL. Registered September 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Renewed September 12, 1925, to Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., a Corporation of Pennsylvania.

46,334. LININGS OF INSULATING MATERIAL. Registered September 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Renewed September 12, 1925, to Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., a Corporation of Pennsylvania.

46,335. LININGS OF INSULATING MATERIAL. Registered September 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Renewed September 12, 1925, to Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., a Corporation of Pennsylvania.

46,337. LININGS OF INSULATING MATERIAL. Registered September 12, 1905. KEYSTONE HAIR INSULATOR COMPANY, Allegheny, Pa. Renewed September 12, 1925, to Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y., a Corporation of Pennsylvania.

46,516. STAINS, FILLERS, AND VARNISHES. Registered September 26, 1905. JAMES F. KURFEES PAINT CO. Renewed September 26, 1925, to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

46,530. RUBBER VEHICLE TIRES. Registered September 26, 1905. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,531. RUBBER VEHICLE TIRES. Registered September 26, 1905. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,532. RUBBER VEHICLE TIRES. Registered September 26, 1905. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,533. RUBBER VEHICLE TIRES. Registered September 26, 1905. THE GOODYEAR TIRE AND RUBBER COMPANY, Akron, Ohio, a Corporation of Ohio. Renewed September 26, 1925.

46,652. KNITTED UNDERWEAR FOR LADIES, MEN, AND CHILDREN. Registered September 26, 1905. UTICA KNITTING COMPANY, Utica, N. Y., a Corporation of New York. Renewed September 26, 1925.

46,829. RUM. Registered October 10, 1905. FELTON & CO., Boston, Mass. Renewed October 10, 1925, to Felton & Sons, Inc., South Boston, Mass., a Corporation of Massachusetts, assignee.

46,838. WORSTED AND COTTON YARNS. Registered October 10, 1905. ARLINGTON MILLS, Boston, Mass., a Corporation of Massachusetts. Renewed October 10, 1925.

46,881. PLAYING CARDS. Registered October 10, 1905. THE NEW YORK CONSOLIDATED CARD COMPANY, New York, N. Y., a Corporation of New York. Renewed October 10, 1925.

46,969. CHAMPAGNE OR SPARKLING WINE. Registered October 17, 1905. AMERICAN WINE CO., St. Louis, Mo., a Corporation of Missouri. Renewed October 17, 1925.

46,992. MOTOR CARS. Registered October 17, 1905. THE AUTOCAR CO., Ardmore, Pa., a Corporation of Pennsylvania. Renewed October 17, 1925.

47,089. CASE LINING, SHEATHING, INSULATING AND ROOFING PAPERS. Registered October 24, 1905. THE STANDARD PAINT COMPANY, New York, N. Y. Renewed October 24, 1925, to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y., assignee.

47,119. ADHESIVE TAPES. Registered October 24, 1905. NEW YORK INSULATED WIRE COMPANY, New York, N. Y., a Corporation of New York. Renewed October 24, 1925.

47,146. UNCOLORED JAPAN TEA. Registered October 31, 1905. E. B. MILLAR & CO., Chicago, Ill., a Corporation of Illinois. Renewed October 31, 1925.

47,153. SOUPS. Registered October 31, 1905. JOSEPH CAMPBELL COMPANY. Renewed October 31, 1925, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, assignee.

47,154. BAKED BEANS. Registered October 31, 1905. JOSEPH CAMPBELL COMPANY. Renewed October 31, 1925, to Campbell Soup Company, Camden, N. J., a Corporation of New Jersey, assignee.

47,179. WEB-PERFECTING FLAT-BED PRESSES. Registered October 31, 1905. DUPLEX PRINTING PRESS CO., Battle Creek, Mich., a Corporation of Michigan. Renewed October 31, 1925.

47,189. TONIC BEVERAGES AND SIRUPS FOR THE MANUFACTURE OF SUCH BEVERAGES. Registered October 31, 1905. THE COCA-COLA COMPANY, Atlanta, Ga., a Corporation of Delaware. Renewed October 31, 1925.

47,209. PINCERS AND PINCER HAMMERS. Registered October 31, 1905. FRANK W. WHITCHER. Renewed October 31, 1925, to Frank W. Whitcher Company, Boston, Mass., a Corporation of Maine, assignee.

47,230. RAZORS. Registered October 31, 1905. ADOLPH KASTOR & BROS., New York, N. Y. Renewed October 31, 1925.

47,233. FILES AND RASPS. Registered October 31, 1905. NICHOLSON FILE COMPANY, Providence, R. I., a Corporation of Rhode Island. Renewed October 31, 1925.

47,250. A CHEMICAL COMPOUND. Registered October 31, 1905. THE PRESERVALINE MANUFACTURING COMPANY, New York, N. Y. Renewed October 31, 1925, to The Preservaline Manufacturing Company, Brooklyn, N. Y., a Corporation of New York.

47,251. A CHEMICAL COMPOUND. Registered October 31, 1905. THE PRESERVALINE MANUFACTURING COMPANY, New York, N. Y. Renewed October 31, 1925, to The Preservaline Manufacturing Company, Brooklyn, N. Y., a Corporation of New York.

47,289. A CHEMICAL COMPOUND. Registered October 31, 1905. THE PRESERVALINE MANUFACTURING COMPANY, New York, N. Y. Renewed October 31, 1925, to The Preservaline Manufacturing Company, Brooklyn, N. Y., a Corporation of New York.

47,305. CANDY. Registered October 31, 1905. PHILIP WUNDERLE, Philadelphia, Pa. Renewed October 31, 1925.

47,360. MARINE ENGINES. Registered October 31, 1905. GAS ENGINE & POWER CO. AND CHARLES L. SEABURY & CO., CONSOLIDATED. Renewed October 31, 1925, to Consolidated Shipbuilding Corporation, New York, N. Y., a Corporation of New York, successors.

47,362. DAMASK. Registered October 31, 1905. J. N. RICHARDSON SONS & OWDEN LTD., Belfast, Ireland, and New York, N. Y., a Corporation of Great Britain and Ireland. Renewed October 31, 1925.

47,375. AXES. Registered October 31, 1905. SIMMONS HARDWARE CO., St. Louis, Mo., a Corporation of Missouri. Renewed October 31, 1925.

47,427. BOOKS. Registered November 7, 1905. LOTHROP, LEE & SHEPARD COMPANY, Boston, Mass., a Corporation of Massachusetts. Renewed November 7, 1925.

47,445. PILLS FOR CATARRH. Registered November 7, 1905. GIAMBATISTA ARDITO, Hoboken, N. J. Renewed November 7, 1925.

47,456. REMEDY FOR CERTAIN NAMED DISEASES. Registered November 7, 1905. HOME REMEDY & SUPPLY CO., York, Pa., a Corporation of Pennsylvania. Renewed November 7, 1925.

47,488. BITTERS. Registered November 7, 1905. CARL F. LAUBER, Philadelphia, Pa. Renewed November 7, 1925.

47,551. TABLE SILVERWARE. Registered November 7, 1905. TOWLE MFG. COMPANY, Newburyport, Mass., a Corporation of Massachusetts. Renewed November 7, 1925.

47,553. PIANOS. Registered November 7, 1905. THE BALDWIN COMPANY, Cincinnati, Ohio, a Corporation of Ohio. Renewed November 7, 1925.

47,561. WHISKY. Registered November 14, 1905. CARL F. LAUBER, Philadelphia, Pa. Renewed November 14, 1925.

47,606. STILL AND SPARKLING WINES. Registered November 14, 1905. CARL F. LAUBER, Philadelphia, Pa. Renewed November 14, 1925.

LABELS

REGISTERED JUNE 16, 1925.

28,793.—*Title:* AMERICAN ANGLO-YIDDISH CALENDAR. For Calendars. ANGLO-YIDDISH CALENDAR CO., New York, N. Y. Published January 24, 1925.

28,794.—*Title:* SPEEDEX ANSCO FILM. For Photographic Films. ANSCO PHOTOPRODUCTS, INC., Binghamton, N. Y. Published March 15, 1925.

28,795.—*Title:* CHOOSE BETWEEN THESE TWO DELIGHTFUL ARMAND POWDERS. For Face Powder. THE ARMAND COMPANY, doing business as Armand, Des Moines, Iowa. Published February 21, 1925.

28,796.—*Title:* LE BAUME ROSÉ. For Hand and Face Lotion. FLORENCE NIGHTINGALE BEARD, doing business as Flor-de, Cranford, N. J. Published March 18, 1925.

28,797.—*Title:* BLAIR'S NO. 7 HERB TONIC. For Herb Tonic. BLAIR & SON MEDICINE CO., Sherman, Tex. Published April 3, 1924.

28,798.—*Title:* STOUT-ARCH SHOES. For Shoes. LANE BRYANT, INC., doing business as Lane Bryant, New York, N. Y. Published December 1, 1924.

28,799.—*Title:* DETROITS ORIGINAL STOUT. For Malt Extract. FRANK L. BRZOSKA, doing business as Detroit Malt Extract Co., Dayton, Ohio. Published May 1, 1925.

28,800.—*Title:* KACTUS MELLOW. For Cactus Dessert and Cake Patties Filled with the Dessert. CACTUS PRODUCTS COMPANY, Tucson, Ariz. Published December 22, 1923.

28,801.—*Title:* CAMEO. For Porcelain Enamel Products. CALIFORNIA METAL ENAMELING CO., Los Angeles, Calif. Published December 15, 1924.

28,802.—*Title:* BUSHY HAIR TONIC. For Hair Tonic. CARDARAS-GEORGOPOULOS CO., Chicago, Ill. Published March 23, 1925.

28,803.—*Title:* WHISK CLEANS EVERYTHING WITHOUT SUDS. For Cleansing Powder Prepared in Granular and Powdered Form. CHEMICAL PRODUCTS CO. OF AMERICA, Philadelphia, Pa. Published April 1, 1925.

28,804.—*Title:* COWAN'S BIG 5 LAUNDRY BLUE. For Laundry Blue. C. M. COWAN & COMPANY, Knoxville, Tenn. Published May 5, 1925.

28,805.—*Title:* NU-PLATEN. For Containers of Nu-Platen. ROGER T. DAVIS, San Antonio, Tex. Published April 29, 1925.

28,806.—*Title:* PAIN CRACKER. For Medicinal Plasters. DUANE REMEDIES CORPORATION, New York, N. Y. Published April 3, 1925.

28,807.—*Title:* L-E. For a Preparation for the Treatment of Mange. C. B. EATON CHEMICAL COMPANY, Fayette, Mo. Published April 13, 1925.

28,808.—*Title:* GOLDEN DIP SALAD DRESSING. For Salad Dressing. HARMON EDWARDS, Berkeley, Calif. Published February 15, 1925.

28,809.—*Title:* MIAMI SEA SALT. For Sea Salt. JACOB ENGLER, doing business as Miami & Miami Beach Sea Salt Company, Miami, Fla. Published April 20, 1925.

28,810.—*Title:* DURO. For Automobile Cleaner. PAUL ENGSTRUM, Los Angeles, Calif. Published April 10, 1925.

28,811.—*Title:* DELIGHT. For Cantaloupes. FARMERS PRODUCE COMPANY, Brawley, Calif. Published October 1, 1924.

28,812.—*Title:* THE ORIGINAL RECEIVING SET. For Miniature Toilet Sets. H. FISHELOV & CO., Chicago, Ill. Published December 5, 1924.

28,813.—*Title:* ALWAYS FRESH. For Coffee. JAS. H. FORBES TEA & COFFEE CO., St. Louis, Mo. Published December 1, 1924.

28,814.—*Title:* DR. GINDICK'S TOOTH BRUSH ANTISEPTIC. For Tooth Brush Cabinets. RAYMOND H. GINDICK, Waukegan, Ill. Published March 1, 1925.

28,815.—*Title:* IONA SPECIAL BLEND. For Coffee. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J. Published April 27, 1925.

28,816.—*Title:* C-PRINTING MANILA. For Paper. GROVETON PAPER COMPANY, INC., Groveton, N. H. Published April 29, 1925.

28,817.—*Title:* SKI-BOW. For Playing Cards. STANLEY F. HANSEL, doing business as S. F. Hansel Card Co., Chicago, Ill. Published December 2, 1923.

28,818.—*Title:* RED RAVEN. For Brooms. E. H. HUNT, doing business as Hunt's Broom Factory, Xenia, Ohio. Published April 23, 1925.

28,819.—*Title:* IMPERIAL ELIXIR. For Hair Tonics. IMPERIAL PERFUMERY AND BARBER'S SUPPLIES, INC., New York, N. Y. Published March 1, 1925.

28,820.—*Title:* CHILDREN'S CIRCUS. For Rubber Stamps. JOGGERST MANUFACTURING COMPANY, Binghamton, N. Y. Published May 5, 1925.

28,821.—*Title:* AMERICAN BEAUTY. For Pasteurised Swiss Loaf Cheese. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published February 20, 1925.

28,822.—*Title:* AMERICAN BEAUTY. For Pasteurised Pimento Loaf Cheese. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published February 20, 1925.

28,823.—*Title:* AMERICAN BEAUTY. For Pasteurized American Loaf Cheese. THE E. KAHN'S SONS COMPANY, Cincinnati, Ohio. Published February 20, 1925.

28,824.—*Title:* 100% BRAN. For Cereal Breakfast Food. KELLOGG COMPANY, Battle Creek, Mich. Published January 24, 1925.

28,825.—*Title:* PARROT TALKAGRAPH. For Transcribing and Reproducing Disk Attachments. KINWIT CO. INC., New York, N. Y. Published August 4, 1924.

28,826.—*Title:* KLECKNER'S. For Pure Spanish Paprika. DAVID KLECKNER, New York, N. Y. Published February 14, 1925.

28,827.—*Title:* VISTA DEL MONTE. For Grapes. WILLIAM HENRY LORENZ, Lodi, Calif. Published February 1, 1925.

28,828.—*Title:* HERB TEA. For Herb Tea. ROBERT MAURER, doing business as Lapidar Company, Chino, Calif. Published August 5, 1924.

28,829.—*Title:* DUTCH LUNCH, A MELSTER PRODUCT, MADE IN THE COUNTRY. For Candy Bars. MELSTER CANDY COMPANY, Cambridge, Mass. Published May 12, 1925.

28,830.—*Title:* WHOLE WHEAT. For Bread. MILLER-PARROTT BAKING CO., Terre Haute and Evansville Ind. Published May 8, 1925.

28,831.—*Title:* MONARCH GERM-A-SIDE. For Germicide. MONARCH LABORATORIES, INC., Chicago, Ill. Published February 21, 1925.

28,832.—*Title:* YUCCA. For Oranges. MUTUAL ORANGE DISTRIBUTORS, Redlands, Calif. Published December 1, 1924.

28,833.—*Title:* COLUMBIA HIGH TENSION RADIO "B" BATTERY. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published May 16, 1925.

28,834.—*Title:* HONEY NUT WHEAT. For Uncooked Breakfast Food. NATIONAL FARM PRODUCTS CO., Philadelphia, Pa. Published April 20, 1925.

28,835.—*Title:* CAMEL. For Fresh Oranges. ORANGE HEIGHTS FRUIT ASSOCIATION, Corona, Calif. Published August 1, 1924.

28,836.—*Title:* WE THANK YOU FOR THE ORDER THAT CAUSED THIS BOX OF THIRTY, TEN CENT PACKAGES OF CALIFORNIA ALMOND TALLÉ. For a Confection. WILLIAM PRENTISS, Jr., Long Beach, Calif. Published March 3, 1924.

28,837.—*Title:* ALL SWEET BRAND ALMONDS WITH THE SKINS ON. For Packaged Almond Meats. WILLIAM PRENTISS, Jr., doing business as California Almond Confections Company, Long Beach, Calif. Published September 1, 1923.

28,838.—*Title:* PAINT. For House Paints, Floor Paints, Roof Paints, Varnish Stains, Enamels, Cement Paints, and Paints in General. PROGRESS PAINT MFG. CO., Louisville, Ky. Published February 14, 1925.

28,839.—*Title:* ACCURACY IN DAINTINESS. For Wrist Watches. ADOLPHE SCHWOB, INC., New York, N. Y. Published March 24, 1925.

28,840.—*Title:* ON TIME ALL THE TIME. For Watches. ADOLPHE SCHWOB, INC., New York, N. Y. Published March 24, 1925.

28,841.—*Title:* LUSHUS FRUIT PRESERVES. For Preserves. D. B. SCULLY SYRUP CO., Chicago, Ill. Published May 23, 1924.

28,842.—*Title:* SKIDOO CREAMY CLEANSER. For Cleansing Paste. THE SKIDOO COMPANY, Columbus, Ohio. Published March 1, 1925.

28,843.—*Title:* HICKORY SHIRRED ELASTIC. For Elastic. A. STEIN & COMPANY, Chicago, Ill. Published March 9, 1925.

28,844.—*Title:* BUMP OFF FOR SORE FACES. For a Lotion. SUTTON & ALDERMAN, DRUGGISTS, Chapel Hill, N. C. Published March 30, 1925.

28,845.—*Title:* J. CHAS. TIPPETT'S COUGH, CROUP & HOOPING COUGH SYRUP. For Cough, Croup, and Whooping Cough Syrup. J. CHARLES TIPPETT, San Francisco, Calif. Published November 26, 1924.

28,846.—*Title:* THE NEW VELVET FOUNTAIN PEN INK. For Ink. VELVET INK CO., Providence, R. I. Published March 20, 1925.

28,847.—*Title:* MINERVA. For Fresh Pineapple. WEST INDIES FRUIT IMPORTING CO., Chicago, Ill. Published April 10, 1925.

PRINTS

REGISTERED JUNE 16, 1925.

7,983.—*Title:* LOOK BEFORE YOU LEAP. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 11, 1925.

7,984.—*Title:* "LOOKING FOR THE LABEL" AFTER YOU'RE SORRY WON'T CHANGE IT TO "B. V. D."! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 11, 1925.

7,985.—*Title:* BE SURE TO SEE THAT IT'S "B. V. D." for Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 9, 1925.

7,986.—*Title:* VALUABLE COUPON ENTITLING THE HOLDER TO BABBITT'S FAMOUS "THREE BOTTLE SPECIAL." For Perfume. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,987.—*Title:* FREE—ONLY ONE TO A PERSON. For Perfume. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,988.—*Title:* FLEUR DE NUIT. For Perfume. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,989.—*Title:* VALUABLE COUPON—ANOTHER ONE OF OUR BIG ADVERTISING FEATURES TO BETTER ACQUAINT THE WOMEN OF AMERICA WITH RABBITT'S FLEUR DE NUIT PRODUCTS. For Compacts. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,990.—*Title:* THE BABBITT COMPANY, INC.—DEAR CUSTOMER: WE KNOW THAT YOU CANNOT HELP BUT BE PLEASED WITH THIS, OUR "THREE BOTTLE SPECIAL" PERFUME. For Perfume. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,991.—*Title:* IMPORTANT SPECIAL COUPON FOR YOU. For Perfume. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,992.—*Title:* THE BABBITT COMPANY, INC.—DEAR CUSTOMER: MANY THANKS FOR YOUR ORDER FOR "FLEUR DE NUIT" DOUBLE COMPACT. For Compacts. THE BABBITT COMPANY, Philadelphia, Pa. Published April 24, 1925.

7,993.—*Title:* EVERY 500 MILES. For Lubricating Apparatus. THE BASSICK MANUFACTURING COMPANY, Chicago, Ill.. Published April 15, 1925.

7,994.—*Title:* THE MARVO ORIENTAL GIRL. For Bath Powder. BRAMWELL MANUFACTURING COMPANY, St. Paul, Minn. Published May 1, 1925.

7,995.—*Title:* A FOOD YOU CAN SAFELY PRESCRIBE BECAUSE IT IS ALWAYS THE SAME. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 16, 1925.

7,996.—*Title:* THIRTY YEARS AGO CHAUNCEY DEPEW TOLD MEN HOW TO KEEP FIT. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published April 30, 1925.

7,997.—*Title:* TAKE EXTRA CARE IN FEEDING DURING BABY'S SECOND SUMMER. For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 5, 1925.

7,998.—*Title:* DE LUXE DAINTIE. For Cake Decorators. DE LUXE CAKE DECORATOR COMPANY, Minneapolis, Minn. Published March 1, 1925.

7,999.—*Title:* YOU WOULD BE TOO COURTEOUS TO EMBARRASS A GUEST IN A SITUATION LIKE THIS. For Crane's Cordlinear. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published October 1, 1924.

8,000.—*Title:* GOOD-WINGFOOT-YEAR BALLOONS THEY WEAR LONG—INCREASE BRAKING EFFICIENCY—REDUCE REPAIR BILLS—IMPROVE APPEARANCE OF YOUR CAR—AFFORD BETTER TRACTION—MAKE YOUR CAR LAST LONGER AND THE COST IS LOW. For Vehicle Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published December 24, 1924.

8,001.—*Title:* THE KANE ANTENNAE. For Antennæ for Radios. THE KANE ANTENNAE COMPANY, Aberdeen, Wash. Published April 9, 1925.

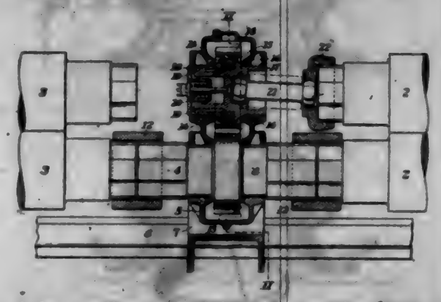
8,002.—*Title:* SUNBURST COAL. For Coal. THE LANSING ICE & FUEL CO., Lansing, Mich. Published April 18, 1925.

8,003.—*Title:* HIGH GRADE INDUSTRIAL CHEMICALS. For Acids, Alums, Alumina, Sulphate of Alumina, Soda Products, Salt, Lyes, Liquid Chlorine, Chlorine Products, Chlorine Gas, Hydrogen Gas, Gas Purifiers, Heavy Chemicals, Water Softeners and Cleansers, Kryolith, Bauxite, and Nitrate of Soda. PENNSYLVANIA SALT MANUFACTURING COMPANY, Philadelphia, Pa. Published May 14, 1925.

REISSUES

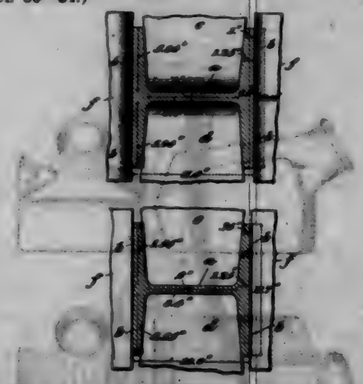
JUNE 16, 1925.

16,096. ROLLING MILL. FLORENCE C. BIGGERT, Jr., Pittsburgh, Pa., assignor to United Engineering & Foundry Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 6, 1924. Serial No. 754,443. Original No. 1,487,067, dated Mar. 18, 1924, Serial No. 586,914, filed Sept. 8, 1922. 9 Claims. (Cl. 80—54.)



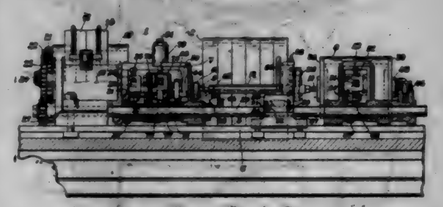
1. In a rolling mill, a two-high roughing stand, a two-high finishing stand, said stands being side by side in end-to-end relationship, a floating housing intermediate said stands, a spindle carried by said housing and connecting the lower roll of one stand with the lower roll of the other stand, and means for driving the upper roll of one of the stands from said spindle, substantially as described.

16,097. ROLLING FLANGED METAL BEAM OR BAR. HENRY GREY, deceased, late of New York, N. Y.; by American Universal Mill Company, Scranton, Pa., assignee. Filed Apr. 16, 1925. Serial No. 24,236. Original No. 1,064,361, dated July 30, 1912, Serial No. 199,630, filed Mar. 23, 1904. 5 Claims. (Cl. 80—34.)



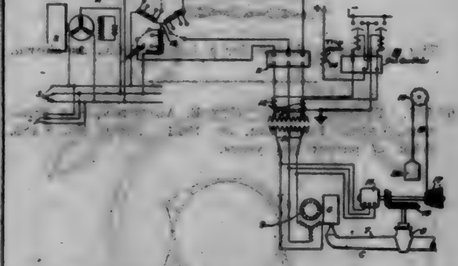
1. The process of rolling flanged shapes which consists in subjecting a blank having web and flange portions, and the web portion of which is substantially of the same width as that of the finished bar, to successive rolling operations on the sides of said web portion and on the outer faces of the flange portions simultaneously, each of which operations successively reduces the cross sectional area of the shape in its web and flanges in substantially the same proportion from the blank to the finished product and rolling the flange edges between said rolling operations.

16,098. GRINDING MACHINE AND METHOD OF GRINDING. FRIEDRICH MÜLLER, Hartford, Conn., assignor to Pratt & Whitney Company, Hartford, Conn., a Corporation of New Jersey. Filed Oct. 19, 1921. Serial No. 508,890. Original No. 1,365,337, dated Jan. 11, 1921, Serial No. 144,923, filed Jan. 27, 1917. 68 Claims. (Cl. 51—225.)



1. The combination in a mechanism for grinding, of a reamer holding means, means for bodily reciprocating the reamer along lines perpendicular to its axis, and means for simultaneously turning the reamer to present successive teeth for grinding and relieving at successive reciprocations, the last said means serving to turn the reamer while it is being ground thus providing each tooth with a convex relief surface.

16,099. APPARATUS FOR ADDING TO THE OUTPUT OF A MAIN POWER STATION THE OUTPUT OF ONE OR MORE DISTANT SOURCES. SEVERN D. SPROUL, Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 14, 1921. Serial No. 500,670. Original No. 1,329,276, dated Jan. 27, 1920, Serial No. 228,078, filed Apr. 12, 1918. 29 Claims. (Cl. 290—4.)



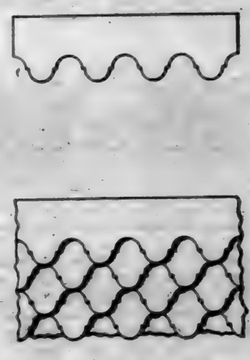
17. In a power distributing system, the combination with a main source of energy, of an auxiliary generator, a water-wheel therefor, a gate-valve for controlling the flow of water to the water-wheel, a motor for controlling the position of the gate-valve, means controlled in accordance with the direction of rotation of the motor for controlling the operation of the valve, and means, operative through the main power conductors of the distributing system, for controlling the operation of the motor.

26. The method of connecting a generator to a transmission line which comprises starting the generator from rest and accelerating it to substantially synchronous speed by imparting to the generator both mechanical energy through a prime mover for the generator and electrical energy of approximately normal frequency from the line.

DESIGNS

JUNE 16, 1925.

67,565. SHINGLE STRIP. ALBERT W. ABBEY and CHARLES W. DOHM, Baltimore, Md., assignors to the Continental Roofing and Manufacturing Company, Baltimore, Md., a Corporation of Maryland. Filed Jan. 15, 1925. Serial No. 12,055. Term of patent 14 years.



The ornamental design for a shingle strip, as shown.

67,566. LADY'S GIRDLE. FREDY ALLMENDINGER, New York, N. Y. Filed Feb. 20, 1925. Serial No. 12,481. Term of patent 3½ years.



The ornamental design for a lady's girdle, as shown.

67,567. FINGER RING. GUY H. ALTERTON, San Francisco, Calif. Filed Jan. 30, 1924. Serial No. 8,485. Term of patent 3½ years.





The ornamental design for a finger ring, as shown.

67,568. GLOBE FOR GASOLINE PUMPS. GLENN R. AMES, Kansas City, assignor to White Eagle Oil and Refining Company, Kansas City, Mo. Filed Apr. 17, 1925. Serial No. 13,152. Term of patent 14 years.



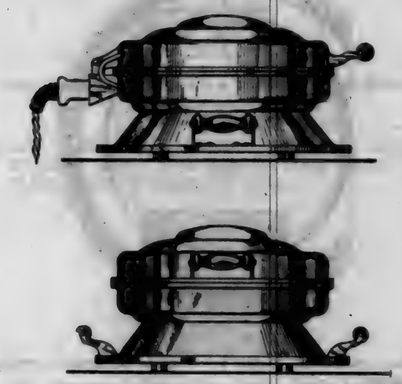
The ornamental design for a globe for gasoline pumps substantially as shown.

67,569. BOTTLE. JAMES SCOTT ST. BARBE BAKER, London, England. Filed Dec. 26, 1924. Serial No. 11,807. Term of patent 14 years.



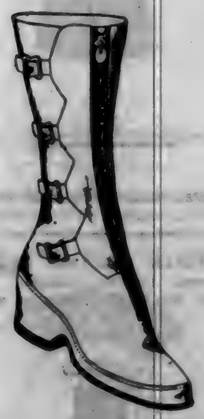
The ornamental design for a bottle substantially as shown.

67,570. WAFFLE IRON OR SIMILAR ARTICLE. ALFRED BERSTEIN and MARTIN BERSTEIN, Chicago, Ill. Filed Nov. 22, 1924. Serial No. 11,524. Term of patent 14 years.



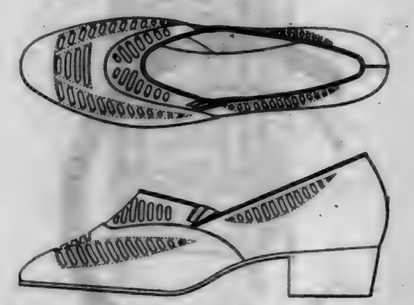
The ornamental design for a waffle iron or similar article, as shown.

67,571. OVERSHOE. GEORGE W. BLAIR, Mishawaka, Ind., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind., a Corporation of Indiana. Filed Mar. 15, 1924. Serial No. 8,940. Term of patent 14 years.



The ornamental design for an overshoe, substantially as shown.

67,572. SHOE. FRANK M. BOHR, Boston, Mass. Filed Mar. 19, 1925. Serial No. 12,774. Term of patent 7 years.



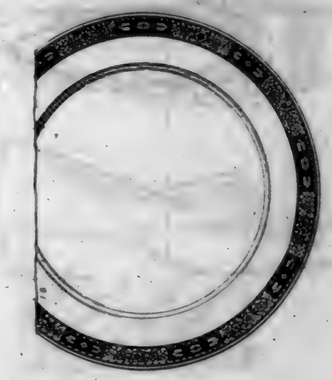
The ornamental design for a shoe, as shown.

67,573. PLATE OR SIMILAR ARTICLE. LEWIS H. BOWN, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Mar. 28, 1925. Serial No. 12,943. Term of patent 7 years.



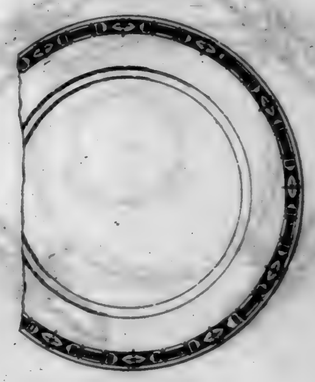
The ornamental design for a plate or similar article, as shown.

67,574. PLATE OR SIMILAR ARTICLE. Lewis H. Bown, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Mar. 28, 1925. Serial No. 12,944. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

67,575. PLATE OR SIMILAR ARTICLE. Lewis H. Bown, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Mar. 28, 1925. Serial No. 12,945. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

67,576. PLATE OR SIMILAR ARTICLE. Lewis H. Bown, East Aurora, N. Y., assignor to Buffalo Pottery, Buffalo, N. Y. Filed Mar. 28, 1925. Serial No. 13,105. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

67,577. GOBLET OR SIMILAR ARTICLE. Gustave S. Carlson, St. Paul, Minn. Filed Jan. 28, 1924. Serial No. 8,465. Term of patent 8½ years.



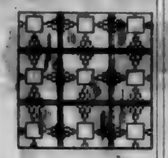
The ornamental design for a goblet or similar article, as shown.

67,578. PORTABLE ELECTRIC HEATER. Walter Clark, Toronto, Ontario, Canada. Filed Mar. 15, 1924. Serial No. 8,947. Term of patent 14 years.



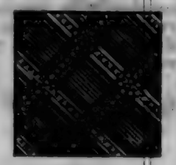
The ornamental design for a portable electric heater, as shown.

67,579. TEXTILE FABRIC. Richard Cocking, Waltham, Mass. Filed April 23, 1925. Serial No. 13,198. Term of patent 3½ years.



The ornamental design for a textile fabric as shown.

67,580. TEXTILE FABRIC. Richard Cocking, Waltham, Mass. Filed Apr. 23, 1925. Serial No. 13,199. Term of patent 3½ years.



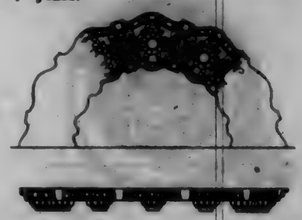
The ornamental design for a textile fabric as shown.

67,581. KNITTED BLOUSE. Isaa P. Cohen, New York, N. Y. Filed Mar. 20, 1925. Serial No. 12,781. Term of patent 3½ years.



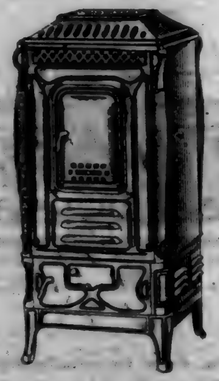
The ornamental design for a knitted blouse as shown.

67,582. RING FOR LIGHTING FIXTURES. Frank S. Crowell, Toledo, Ohio, assignor to The Edward N. Riddle Company, Toledo, Ohio, a Corporation of Ohio. Filed Mar. 10, 1925. Serial No. 12,671. Term of patent 7 years.



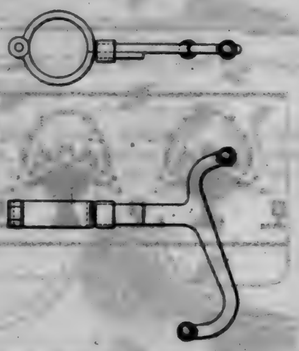
The ornamental design for a ring for lighting fixtures, as shown.

67,583. HEATER. Houston Dudley, Nashville, Tenn., assignor to Gray & Dudley Company, Nashville, Tenn., a Corporation of Tennessee. Filed Feb. 26, 1925. Serial No. 12,494. Term of patent 14 years.



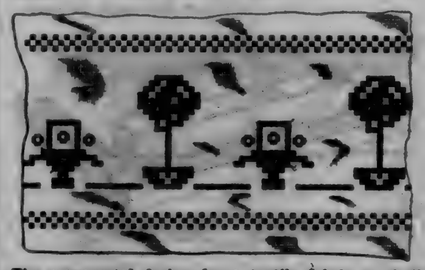
The ornamental design for a heater as shown.

67,584. HANDLE FOR PERCOLATORS. William W. Dunn, Malden, Mass., assignor to Silex Company, Malden, Mass., a Corporation of Connecticut. Filed Mar. 19, 1925. Serial No. 12,773. Term of patent 7 years.



The ornamental design for a handle for percolators, as shown.

67,585. TEXTILE FABRIC OR SIMILAR ARTICLE. Jerome Everett Emerson, Lockport, N. Y., assignor to Niagara Textile Company, Lockport, N. Y. Filed Dec. 19, 1924. Serial No. 11,741. Term of patent 3½ years.



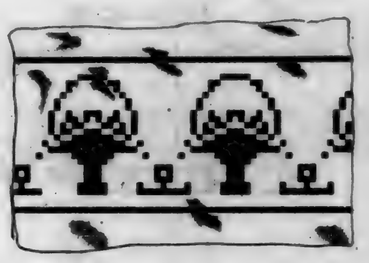
The ornamental design for a textile fabric or similar article, as shown.

67,586. TEXTILE FABRIC OR SIMILAR ARTICLE. JEROME EVERETT EMERSON, Lockport, N. Y., assignor to Niagara Textile Company, Lockport, N. Y. Filed Dec. 19, 1924. Serial No. 11,742. Term of patent 3½ years.



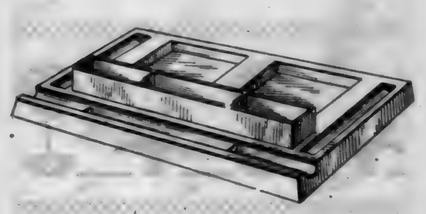
The ornamental design for a textile fabric or similar article, as shown.

67,587. TEXTILE FABRIC OR SIMILAR ARTICLE. JEROME EVERETT EMERSON, Lockport, N. Y., assignor to Niagara Textile Company, Lockport, N. Y. Filed Dec. 19, 1924. Serial No. 11,743. Term of patent 3½ years.



The ornamental design for a textile fabric or similar article, as shown.

67,588. INKWELL BASE. SIMON N. FALDER, Los Angeles, Calif. Filed Mar. 13, 1924. Serial No. 8,913. Term of patent 14 years.



The ornamental design for an inkwell base as shown.

67,589. FINGER RING. ZORNKO FREUND, Newark, N. J. Filed May 2, 1925. Serial No. 13,300. Term of patent 3½ years.



The ornamental design for a finger ring, as shown.

67,590. BOBECHE FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,761. Term of patent 14 years.



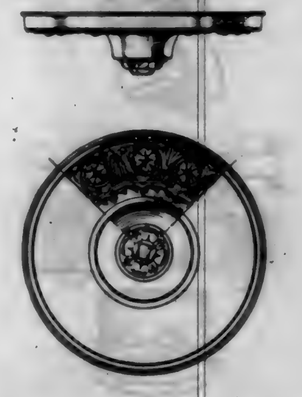
The ornamental design for a bobeche for lighting fixtures, as shown.

67,591. CANOPY FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,762. Term of patent 14 years.



The ornamental design for a canopy for lighting fixtures, as shown.

67,592. PLATE FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,766. Term of patent 14 years.



The ornamental design for a plate for lighting fixtures, as shown.

67,593. TRAFFIC GUIDEPOST. SYLVESTER CLEVON GOODRICH, Wellston, Ohio. Filed Mar. 9, 1925. Serial No. 12,642. Term of patent 3½ years.



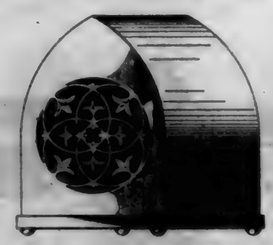
The ornamental design for a traffic guidepost, as shown.

67,594. RADIO LOUD SPEAKER. OTTO HEINEMAN, New York, N. Y., assignor to General Phonograph Corporation, a Corporation of New York. Filed Feb. 20, 1925. Serial No. 12,488. Term of patent 7 years.



The ornamental design for a radio loud speaker, substantially as shown.

67,595. RADIO LOUD SPEAKER. OTTO HEINEMAN, New York, N. Y., assignor to General Phonograph Corporation, a Corporation of New York. Filed Feb. 20, 1925. Serial No. 12,489. Term of patent 7 years.



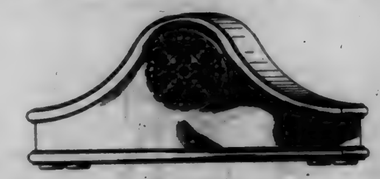
The ornamental design for a radio loud speaker substantially as shown.

67,596. RADIO LOUD SPEAKER. OTTO HEINEMAN, New York, N. Y., assignor to General Phonograph Corporation, a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,530. Term of patent 7 years.



The ornamental design for a radio loud speaker substantially as shown.

67,597. RADIO LOUD SPEAKER. OTTO HEINEMAN, New York, N. Y., assignor to General Phonograph Corporation, a Corporation of New York. Filed Mar. 2, 1925. Serial No. 12,531. Term of patent 7 years.



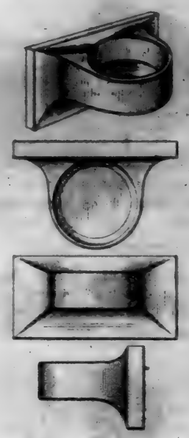
The ornamental design for a radio loud speaker substantially as shown.

67,598. BREAST WATCH. ALEXANDER HORVATH, Chicago, Ill. Filed Aug. 31, 1921. Serial No. 497,391. Term of patent 3½ years.



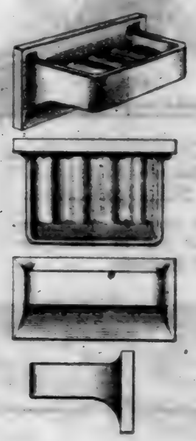
The ornamental design for a breast watch, as shown.

67,599. PROJECTING TUMBLER HOLDER. ROY E. JORDAN, Newark, N. J., assignor to The Mosaic Tile Company, a Corporation of Ohio. Filed Mar. 4, 1924. Serial No. 8,819. Term of patent 14 years.



The ornamental design for a projecting tumbler holder, as shown.

67,600. PROJECTING SOAP DISH. ROY E. JORDAN, Newark, N. J., assignor to The Mosaic Tile Company, a Corporation of Ohio. Filed Mar. 4, 1924. Serial No. 8,820. Term of patent 14 years.



The ornamental design for a projecting soap dish, as shown.

67,601. COMBINATION SOAP HOLDER AND GRAB RAIL. ROY E. JORDAN, Newark, N. J., assignor to The Mosaic Tile Company, a Corporation of Ohio. Filed Mar. 4, 1924. Serial No. 8,821. Term of patent 14 years.



The ornamental design for a combination soap holder and grab rail, as shown.

67,602. TEXTILE FABRIC. MAX KLEIN, New York, N. Y., assignor to Mosse, Incorporated, New York, N. Y. Filed Mar. 26, 1925. Serial No. 12,885. Term of patent 7 years.



The ornamental design for a textile fabric, as shown.

67,603. COMBINATION FLOWERPOT, LAMP, AND SMOKING STAND. CHARLES R. KISKADDEN, Sheboygan, Wis. Filed Oct. 30, 1924. Serial No. 11,231. Term of patent 3½ years.



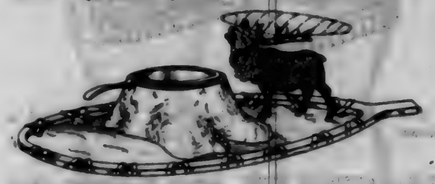
The ornamental design for a combination flowerpot, lamp, and smoking stand, as shown.

67,604. MIRROR BRACKET. WILLIAM LA HOONY, Buffalo, N. Y., assignor to Standard Mirror Co., Inc., Buffalo, N. Y., a Corporation of New York. Filed Apr. 15, 1924. Serial No. 9,285. Term of patent 7 years.



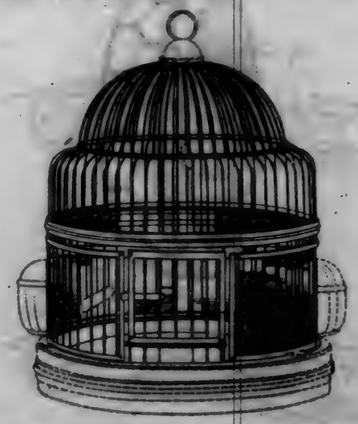
The ornamental design for a mirror bracket, as shown.

67,605. SMOKER'S SET. CALVIN H. LEHMAN, Johnstown, Pa. Filed Apr. 16, 1925. Serial No. 13,140. Term of patent 14 years.



The ornamental design for a smoker's set as shown.

67,606. BIRD-CAGE BODY. LEWICKI J. LEON, Chicago, Ill. Filed Mar. 23, 1925. Serial No. 12,825. Term of patent 14 years.



The ornamental design for a bird cage body, as shown.

67,607. DIRECTING SIGNAL FOR AN AUTOMOBILE. CHARLES LEMPERSON, Wilmington, Del. Filed Jan. 28, 1925. Serial No. 12,164. Term of patent 3½ years.



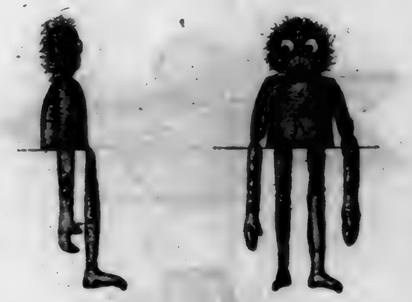
The ornamental design for a directing signal for an automobile, as shown.

67,608. LOUD-SPEAKING TELEPHONE RECEIVER. GEORGE E. LUM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1922. Serial No. 3,833. Term of patent 14 years.



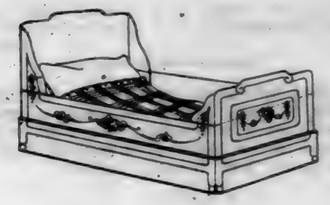
The ornamental design for a loud speaking telephone receiver, as shown.

67,609. DOLL. FLORENCE L. MEYER, San Francisco, Calif. Filed Mar. 3, 1924. Serial No. 3,804. Term of patent 3½ years.



The ornamental design for a doll as shown.

67,610. TOY BED OR ARTICLE OF SIMILAR NATURE. HANS BRUNO MEYER, New York, N. Y. Filed Jan. 27, 1922. Serial No. 383. Term of patent 3½ years.



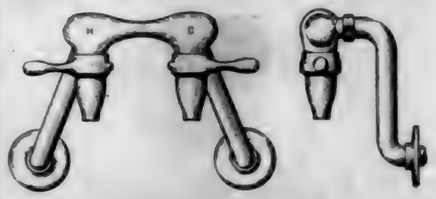
The ornamental design for a toy bed or article of similar nature as shown.

67,611. TEXTILE FABRIC USED FOR DRAPERIES. JOHN W. MONTAGUE, New York, N. Y. Filed Nov. 22, 1924. Serial No. 11,449. Term of patent 3½ years.



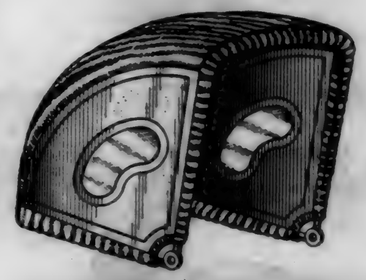
The ornamental design for textile fabric used for draperies as shown.

67,612. PLUMBER'S BIB. WILLIAM WINT MORGAN, Philadelphia, Pa. Filed Oct. 18, 1923. Serial No. 7,530. Term of patent 3½ years.



The ornamental design for a plumber's bib as shown.

67,613. BABY-CARRIAGE HOOD. STEPHEN MORRIS, New York, N. Y. Filed Apr. 24, 1925. Serial No. 13,214. Term of patent 7 years.



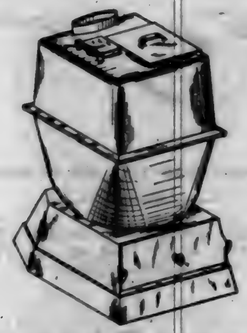
The ornamental design for a baby carriage hood as shown.

67,614. CUSHION TIRE. ROBERT M. PIERSON, Akron Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 10, 1923. Serial No. 7,170. Term of patent 3½ years.



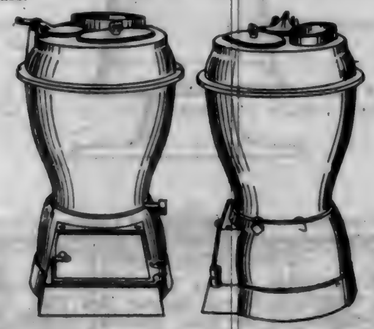
The ornamental design for a cushion tire as shown.

67,615. BROODER STOVE. PAUL W. RUNYAN, Springfield, Ohio, assignor to The National Brooder Company, Springfield, Ohio, a Corporation of Ohio. Filed Apr. 21, 1924. Serial No. 9,335. Term of patent 14 years.



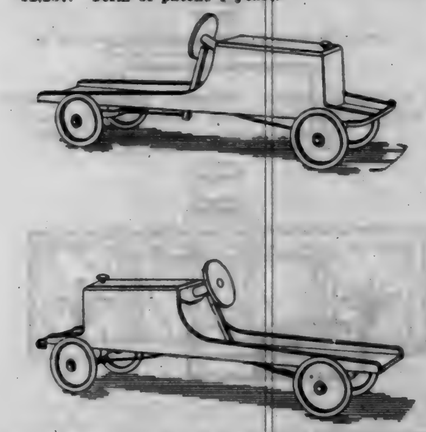
The ornamental design for a brooder stove as shown.

67,616. BROODER STOVE. PAUL W. RUNYAN, Springfield, Ohio, assignor to The National Brooder Company, Springfield, Ohio, a Corporation of Ohio. Filed Aug. 4, 1924. Serial No. 10,372. Term of patent 14 years.



The ornamental design for a brooder stove, as shown.

67,617. TOY AUTOMOBILE. PEDRO G. SALOM, Jr., Philadelphia, Pa. Filed Feb. 6, 1925. Serial No. 12,287. Term of patent 7 years.



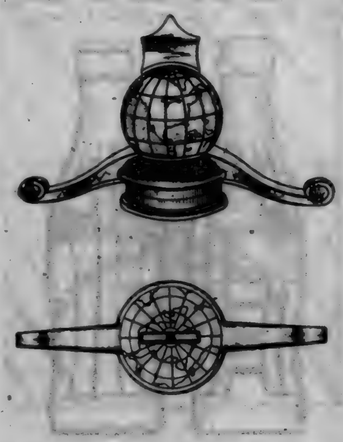
The ornamental design for a toy automobile substantially as shown.

67,618. CANOPY FOR LIGHTING FIXTURES. JOSEPH A. SCHNEIDER, Buffalo, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,769. Term of patent 14 years.



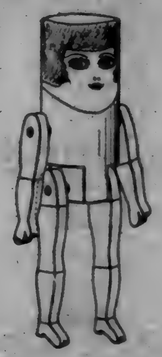
The ornamental design for a canopy for lighting fixtures, as shown.

67,619. RADIATOR CAP. WILLIAM SCHNELL, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 8, 1925. Serial No. 11,066. Term of patent 3½ years.



The ornamental design for a radiator cap, as shown.

67,620. DOLL. JACOB SCOLL, Evanston, Ill. Filed Aug. 22, 1923. Serial No. 7,061. Term of patent 3½ years.



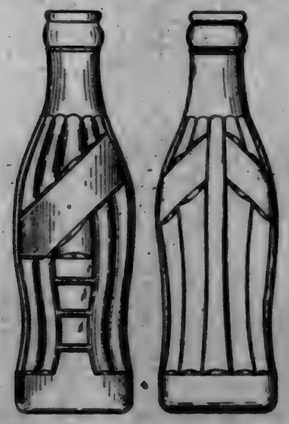
The ornamental design for a doll, as shown.

67,621. KNITTED BLOUSE. GEORGE SHAIB, Brooklyn, N. Y. Filed Apr. 13, 1925. Serial No. 13,109. Term of patent 3½ years.



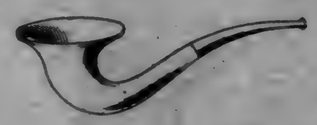
The ornamental design for a knitted blouse substantially as shown.

67,622. BOTTLE. GAYLE D. STEWART, Toledo, Ohio, assignor to The American Bottle Company, Toledo, Ohio, a Corporation of Ohio. Filed Dec. 26, 1924. Serial No. 11,798. Term of patent 14 years.



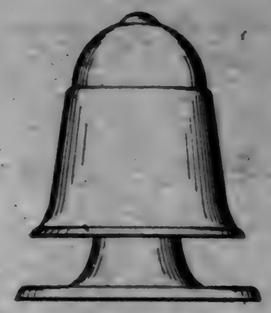
The ornamental design for a bottle, substantially as shown.

67,623. PIPE. DAVID L. STRONACH, Columbia, S. C. Filed Apr. 18, 1925. Serial No. 13,159. Term of patent 14 years.



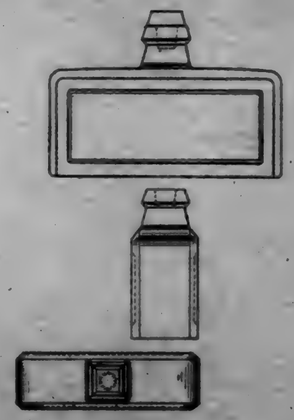
The ornamental design for a pipe as shown.

67,624. SOUND AMPLIFIER. CHARLES W. TAYLOR, Salt Lake City, Utah. Filed Apr. 27, 1925. Serial No. 13,224. Term of patent 7 years.



The ornamental design for a sound amplifier, as shown.

67,625. BOTTLE. HARRY LINCOLN TERRY, Chicago, Ill., assignor to Forhan Company, New York, N. Y., a Corporation of New York. Filed Oct. 31, 1924. Serial No. 11,242. Term of patent 3½ years.



The ornamental design for a bottle as shown.

67,626. BEVERAGE-DISPENSING FIXTURE. JOHN M. TRAVIS, St. Louis, Mo. Filed Jan. 2, 1925. Serial No. 11,854. Term of patent 7 years.



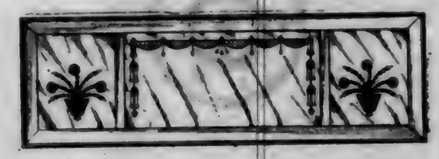
The ornamental design for a beverage dispensing fixture, as shown.

67,627. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,189. Term of patent 7 years.



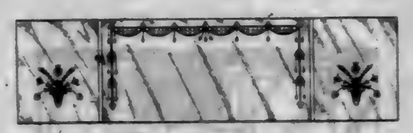
The ornamental design for a mirror, as shown.

67,628. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,190. Term of patent 7 years.



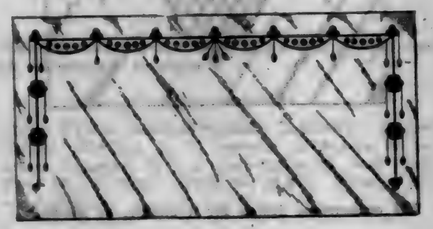
The ornamental design for a mirror, as shown.

67,629. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,191. Term of patent 7 years.



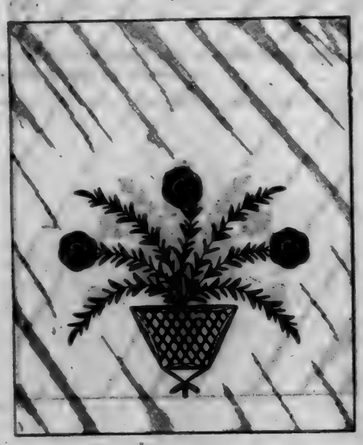
The ornamental design for a mirror, as shown.

67,630. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,192. Term of patent 7 years.



The ornamental design for a mirror, as shown.

67,631. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,193. Term of patent 7 years.



The ornamental design for a mirror, as shown.

67,632. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,194. Term of patent 7 years.



The ornamental design for a mirror, as shown.

67,633. MIRROR. ANTHONY TRIPPI, Buffalo, N. Y. Filed Apr. 23, 1925. Serial No. 13,195. Term of patent 7 years.



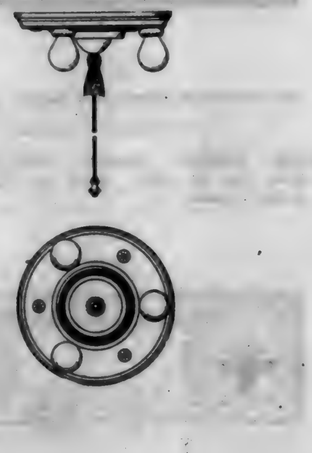
The ornamental design for a mirror, as shown.

67,634. GLASS BOTTLE. HERMAN TURTLETAUB, Perth Amboy, N. J. Filed Apr. 15, 1925. Serial No. 13,138. Term of patent 7 years.



The ornamental design for a glass bottle, as shown.

67,635. LIGHTING FIXTURE. ALLYN B. WALTON, Lorain, Ohio. Filed Feb. 26, 1924. Serial No. 8,741. Term of patent 3½ years.



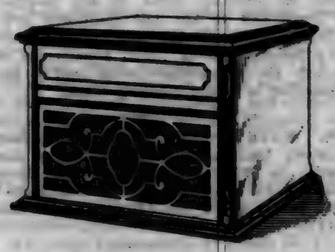
The ornamental design for a lighting fixture, as shown.

67,636. HAT. MARGARET M. WILLIAMS, Campbell, Calif. Filed Nov. 29, 1922. Serial No. 4,448. Term of patent 3½ years.



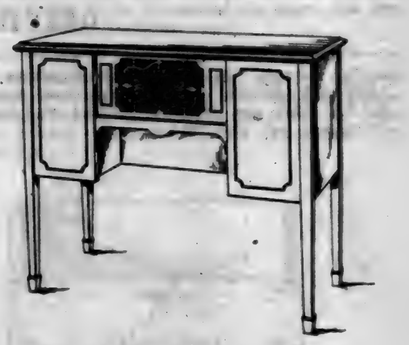
The ornamental design for a hat as shown.

67,637. CABINET FOR SOUND-PRODUCING DEVICES. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 12,610. Term of patent 7 years.



The ornamental design for a cabinet for sound producing devices, substantially as shown.

67,638. RADIO LOUD-SPEAKER CABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 12,611. Term of patent 7 years.



The ornamental design for a radio loud speaker cabinet, substantially as shown.

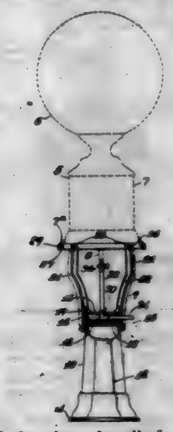
67,639. RADIO LOUD-SPEAKER CABINET. JOSEPH WOLFF, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc., a Corporation of New York. Filed Mar. 5, 1925. Serial No. 12,612. Term of patent 7 years.

The ornamental design for a radio loud speaker cabinet, substantially as shown.

PATENTS

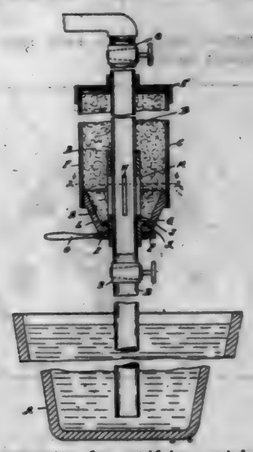
GRANTED JUNE 16, 1925.

1,541,777. BASE FOR TOWEL STERILIZERS AND LIKE APPARATUS. GAETANO ALBANESE, Brooklyn, N. Y. Filed Apr. 30, 1924. Serial No. 710,137. 10 Claims. (Cl. 126—361.)



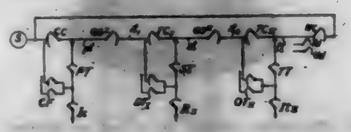
1. A base of the class described comprising a standard, a crosshead at the top of said standard, a plate mounted in connection with the crosshead of the standard, said plate being provided with a plurality of radially projecting arms, a plurality of frame members detachably mounted in connection with said arms, and projecting above said standard.

1,541,778. APPARATUS FOR REFINING METAL. RICHARD F. AGRICOLA, Saginaw, Mich., assignor of one-third to Karl A. Agricola and one-third to William L. Agricola, both of Detroit, Mich. Filed Nov. 17, 1923. Serial No. 675,394. 5 Claims. (Cl. 266—34.)



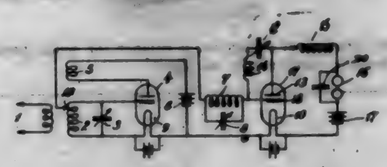
1. In an apparatus for purifying metals, the combination with a receptacle for holding molten metal, of a container for the purifying material, a conduit passing through said container and extending into said molten mass for conveying a gaseous current thereinto, and means for introducing said purifying material into said conduit in a finely divided state.

1,541,779. ELECTROMECHANICAL TELEPHONE SYSTEM. FRITZ ALDENDORFF, Berlin-Wilmersdorf, Germany, assignor to Paul Kollasch, New York, N. Y. Filed Nov. 16, 1922. Serial No. 601,899. 12 Claims. (Cl. 179—18.)



1. In an electro-mechanical telephone system, groups of subscribers' lines, primary talking trunks, secondary talking trunks, intermediate trunks between the primary and secondary trunks, a numeral selector associated with each said primary talking trunk, a non-numerical switch associated with each said secondary trunk, auxiliary trunks, auxiliary non-numerical switches adapted to connect an auxiliary trunk to any selected intermediate trunk and to any idle secondary trunk, and means for extending a call from a subscriber's line through a primary talking trunk, a numerical selector, and through an intermediate trunk and a secondary trunk connected to a said auxiliary trunk.

1,541,780. WAVE SIGNALING SYSTEM. EDWIN H. ARMSTRONG, Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 8, 1922. Serial No. 566,681. 4 Claims. (Cl. 179—171.)



1. An electric regenerative system adapted to produce super-regenerative action, including a feed-back circuit having a certain degree of damping and means for periodically varying the relation between the amount of feed-back and the degree of damping of the system comprising a generator of electrical oscillations adapted to supply an auxiliary frequency to the regenerative system and a capacity in said generator for controlling and maintaining the oscillations in said oscillating system.

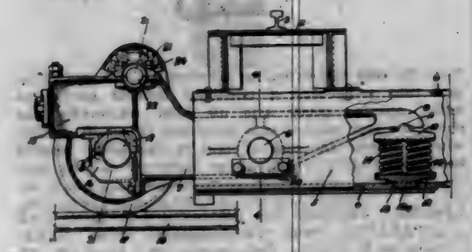
1,541,781. LOBSTER TRAP. ANTHONY A. AXIOTES, Newport, R. I. Filed Feb. 2, 1925. Serial No. 6,287. 4 Claims. (Cl. 43—66.)

2. In a lobster trap, a case provided with an opening, posts mounted upon the case at the margins of the opening, inwardly converging doors pivotally supported upon the posts with their adjacent portions normally spaced from each other, laterally projecting portions



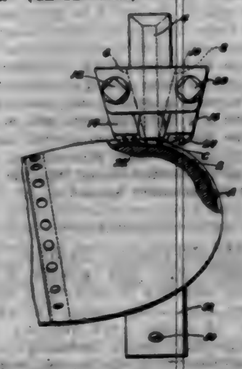
upon the lower portions of the doors overlapping each other, and spring arms supported by the case engaging the doors.

1,541,782. SPRING SUSPENSION FOR TRAVELING CRANES. HUBERT E. BAKER, Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y., a Corporation of New Jersey. Filed Dec. 10, 1924. Serial No. 754,920. 17 Claims. (Cl. 105—163.)



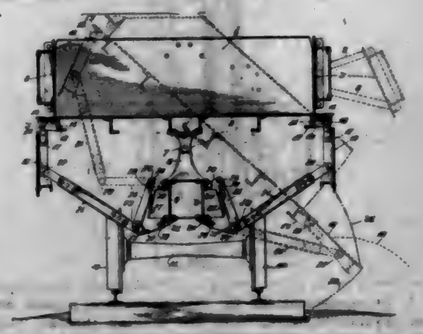
1. In a traveling crane, a bridge, a beam secured at each end of the bridge, wheel carrying members pivotally mounted one at each end of each beam, a wheel carried by each wheel carrying member, and spring means interposed between each wheel carrying member and the beam designed to withstand and absorb shocks and vibrations to which the crane is subjected, substantially as described.

1,541,783. METHOD OF ATTACHING UPPERS TO SOLES IN THE MANUFACTURE OF SHOES. ARTHUR BATES, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Oct. 25, 1917, Serial No. 198,406. Divided and this application filed Jan. 25, 1922. Serial No. 531,682. 12 Claims. (Cl. 12—145.)



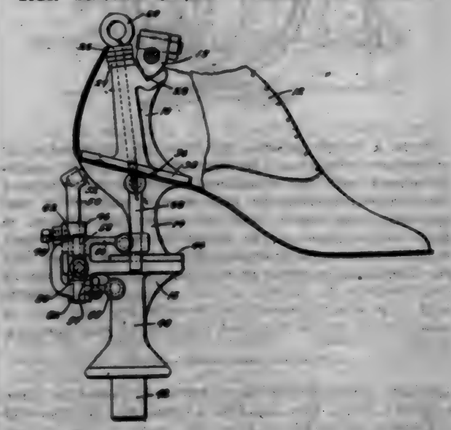
1. The method of attaching uppers to soles in the manufacture of shoes which consists in inserting a fastening through the margin of an upper into the edge face of a sole, effecting a relative movement in the line of the fastenings between the sole and the portion of the upper adjacent to the inserted fastening on the side of said fastening where the next fastening is to be inserted in such manner as to cause that fastening and said portion of the upper to approach each other to take up a part of the fullness of the upper, and then inserting a second fastening.

1,541,784. RAILWAY DUMP CAR. JAMES D. BENBOW, Aurora, Ill., assignor to Western Wheeled Scraper Company, Aurora, Ill., a Corporation of Illinois. Filed July 3, 1924. Serial No. 723,959. 16 Claims. (Cl. 105—277.)



10. In a dump car, the combination with a car bed mounted to tilt laterally to discharge its load, of a side apron pivotally suspended along a side margin of the bed and adapted to be projected into position to form a lateral extension of the floor thereof, and a vertically swinging thrust bar pivotally connected with the under body of the car and with said apron between the side margins thereof to cause the lower margin of the apron to move initially inwardly relatively to the upper margin thereof when righting.

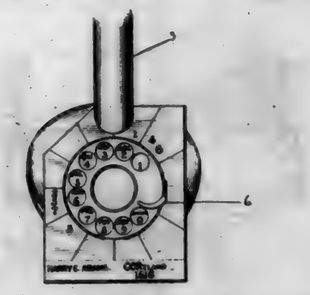
1,541,785. APPARATUS FOR USE IN ATTACHING HEELS. FREDERIC E. BERTRAND, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 25, 1923. Serial No. 614,903. 9 Claims. (Cl. 12—125.)



1. A unitary block for use in attaching heels to shoes from which the last has been withdrawn having a surface shaped to engage and transmit pressure to the inside bottom surface of a shoe at the heel end only, a

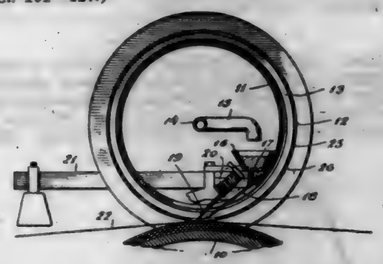
portion to receive pressure from a clamp member arranged substantially perpendicularly above the central part of said surface, and a fastening-receiving perforation opening at one side of the pressure-receiving portion at one end and substantially at the center of said surface at the other end, the block being shaped to provide ample clearance between the block and the shoe upper at all points above the bottom of the shoe.

1,541,786. DIAL-TELEPHONE ATTACHMENT. JAMES KENDALL BURGESS, Montclair, N. J. Filed Jan. 17, 1925. Serial No. 3,088. 8 Claims. (Cl. 179—90.)



1. In an attachment for dial telephones, a card having spaces registering with the opening through which are shown the letters and numbers on the dial and having a telephone number shown thereon in a sequence of numerals only.

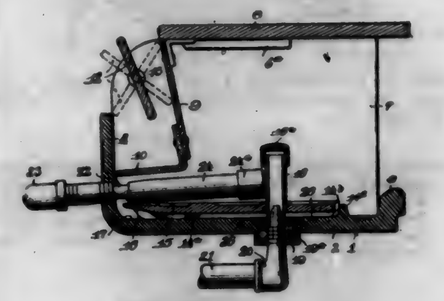
1,541,787. METHOD AND APPARATUS FOR PRINTING TEXTILE FABRICS. ERNEST CADORNE, Englewood Cliffs, and GEORGE DUPONT, Paterson, N. J. Filed Dec. 29, 1923. Serial No. 683,817. 6 Claims. (Cl. 101—127.)



1. In a textile printing machine, the combination of a pressure roller, an apertured floating stencil capable of contact with said roller and being driven thereby, a foraminated covering for said stencil, portions of said covering being coated with an impervious material to form the outlines of the design to be printed, which outlines register with the apertures in said stencil, and the remaining portions of said covering being uncoated and forming the figures of said design, and means to feed a printing composition through the apertures in said stencil to the uncoated portions of said covering.

1,541,788. OIL BURNER. GEORGE J. CARLISLE, Niles, Mich. Filed July 2, 1924. Serial No. 723,669. 15 Claims. (Cl. 158—92.)

13. An oil burner comprising a casing open at its forward end toward the space to be heated, the opposite end being located exterior said space and provided at its rear end with an air inlet having a damper therein, a baffle plate depending from the top of said casing forwardly of said air inlet, a plate supported on the bottom wall of said casing, a burner extending through said plate and communicating with the space between said plate and bottom wall, means for injecting air into said burner, a fuel inlet tube entering said casing



from the rear and extending forwardly above said plate, said tube comprising a telescopic member having an outlet opening below said air inlet rearwardly and above the rear edge of said plate and adjustable lengthwise to direct the flow of fuel to the space beneath said plate.

1,541,789. PROCESS OF DEALCOHOLIZATION AND APPARATUS FOR PERFORMING THE SAME. CHARLES H. CASPAR, Philadelphia, Pa. Filed Oct. 22, 1920. Serial No. 418,787. 9 Claims. (Cl. 196—1.)

1. The process of dealcoholizing a liquid and recovering the alcohol therefrom which consists in discharging the liquid in such manner as to present an extended surface, bringing a relatively colder gas or vapor into contact with the liquid to absorb alcohol therefrom and then bringing the gas or vapor into contact with a relatively colder finely divided liquod for the purpose of condensing out the absorbed alcohol.

1,541,790. WELL-EXPLODING DEVICE. WILLIAM J. CHELBY, Casper, Wyo., and WARREN F. BLEECKER, Boulder, Colo., assignors to Zero Hour Torpedo Company, Casper, Wyo. Filed Sept. 11, 1924. Serial No. 737,178. 15 Claims. (Cl. 102—4.)

11. A well shooting device including an electrical timer unit comprising a casing formed with two compartments, a battery fitted removably within one compartment, a chronometer mounted upon and carried by one terminal of the battery, and having a crystal and a movable hand, a contact wire projecting through the crystal into the path of the movable hand, lead wires extending from the other battery terminal and the con-



tact wire to the other compartment of the casing, and an initial exploder arranged within the said other compartment and connected to the lead wires.

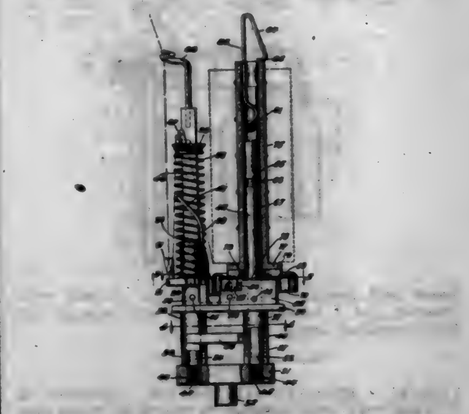
1,541,791. ANTIFRICTION PIPE CARRIER. CHRISTIAN A. CHRISTOFFERSON, St. Paul, Minn. Filed Apr. 22, 1921. Serial No. 463,535. 1 Claim. (Cl. 308—7.)



A device for operating a switch or signal, comprising a substantially horizontally disposed stationary pipe; and a power transmitting member extending through said pipe consisting of a number of pipe sections, intermediate members, each comprising a bar with comparatively long tang ends inserted in the ends of the adjacent pipe sections, connecting sleeves enclosing and threaded upon the adjoining ends of the bar and pipe section, a pair of pins at substantially right angles to each other secured through each pipe section and the tang therein, the bar having slots extending therethrough at substantially right angles to one another, and rollers mounted in said slots having treads curved transversely to correspond with the curvature of the inner wall of said stationary pipe and diameters approximately the internal diameter of the said pipe with sufficient clearance only to permit longitudinal movement of said power transmitting member while preventing bending of the same within said pipe.

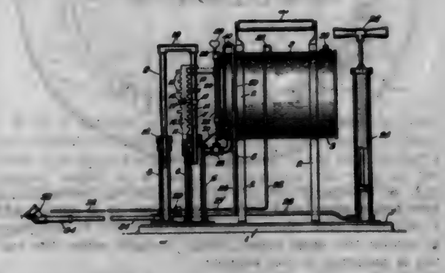
1,541,792. BRAIDING MACHINE. JAMES H. CONNOLLY, Pawtucket, R. I. Filed Oct. 5, 1922. Serial No. 592,534. 5 Claims. (Cl. 66—11.)

1. In a braiding machine, a guide plate unit provided with sinuous intersecting channels, and with peripheral grooves opening into the channels, and a carrier base comprising posts slidably mounted in the channels,



plates upon the ends of the posts, and a guide plate carried by the posts registering in the grooves.

1,541,793. FUMIGATING APPARATUS. KENNETH F. COOPER, Great Neck, N. Y., assignor to American Cyanamid Company, New York, N. Y., a Corporation of Maine. Filed Dec. 29, 1920. Serial No. 433,876. 9 Claims. (Cl. 299—96.)

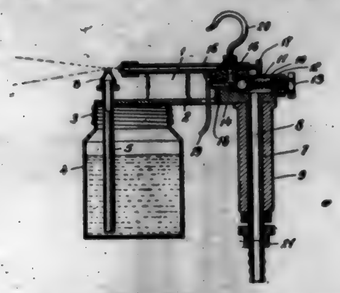


1. In an apparatus for delivering a measured quantity of a liquid fumigant, the combination of a container; a constant volume receiver; an adjustable outlet for said receiver comprising a slidable U-shaped pipe member; connections between said container and said receiver for delivering a quantity of said fumigant from said container to said receiver; a spray nozzle connected to said outlet; and a vent pipe leading from said container to the location of said spray nozzle, substantially as described.

1,541,794. SPRAYING DEVICE. ARMANDO COSTA, Great Kills, N. Y. Filed Mar. 17, 1923. Serial No. 625,685. 1 Claim. (Cl. 91—45.)

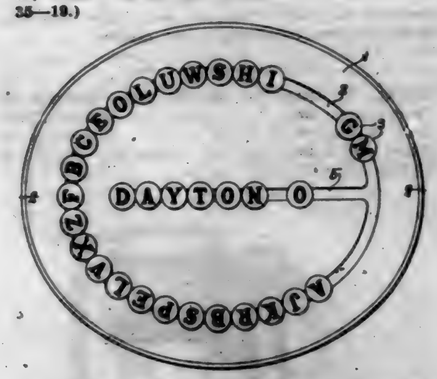
In an apparatus of the class described, the combination of a main casting, a connection at one end of said casting for a paint receptacle, a valve block at the other end of said casting, a valve chamber bored in said casting, said valve chamber having an extension of lesser diameter than the valve chamber, forming a valve seat therein, a valve working in said chamber against said

seat, plunger for said valve in said extension, an air passage bored in said casting adjacent said valve chamber, a communicating bore in said casting extending



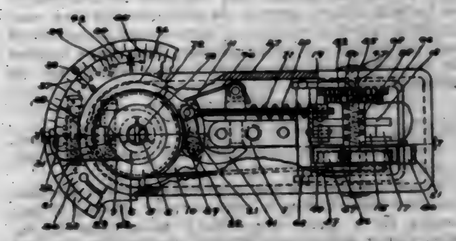
across said passage into the extension of said valve chamber, and a regulating valve in said passage, said valve extending across said bore.

1,541,795. EDUCATIONAL DEVICE. HORATIO G. CRESS, Troy, Ohio, assignor to The H. G. Cress Company, Troy, Ohio, a Corporation of Ohio. Filed June 14, 1924. Serial No. 719,956. 2 Claims. (Cl. 35—19.)



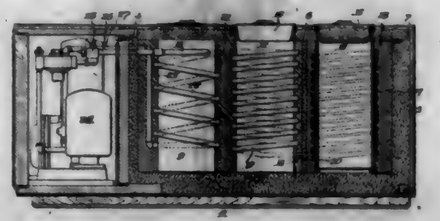
1. A button for an educational device consisting of two heads chamfered from their edges to a shank, and a relatively thin connecting shank cutaway at the edges to render the same substantially invisible when the button is mounted in the support.

1,541,796. MICROMETER CALIPER. PHILIP J. DARLINGTON, Boston, Mass. Filed Feb. 8, 1922. Serial No. 535,010. 25 Claims. (Cl. 33—147.)



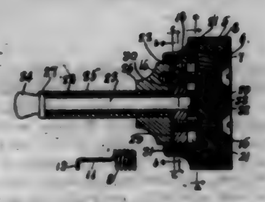
2. A micrometer-caliper comprising a frame provided with graduations, a set of interchangeable scale members differently graduated and adapted to be applied to the frame with their graduations reading with the graduations on the frame, a micrometer member supported by the frame and having a rotatable and longitudinal movement with relation thereto, and a pointer adjustably mounted on and movable with said micrometer member and readable with the graduations on the scale member applied to the frame.

1,541,797. REFRIGERATING CABINET. FRENCH E. DENNISON, Beloit, Wis., assignor to Lipman Refrigeration Company, Beloit, Wis., a Corporation of Delaware. Filed May 12, 1924. Serial No. 712,511. 10 Claims. (Cl. 62—95.)



9. A refrigerating cabinet, comprising a frame structure, an open top food container disposed therein, a refrigerating coil arranged in contiguous relation to said food container, and solid non-porous material possessing low heat conductivity and high thermal capacity in which said containers and coils are imbedded.

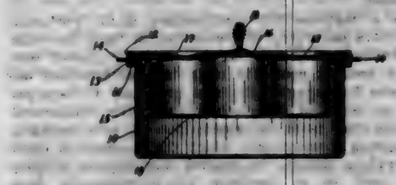
1,541,798. RADIOPHONE PLUG. CHARLES W. DENNY, WILLIAM E. MCLAUGHLIN, and GEORGE HELWIG, Middletown, Ohio, assignors to The Barkeley Electric Manufacturing Company, Middletown, Ohio, a Corporation of Ohio. Filed Aug. 13, 1923. Serial No. 657,210. 10 Claims. (Cl. 173—334.)



2. In a phone plug, a holding ring, a cap plate in one face thereof having a plurality of phone tip apertures, a plurality of yielding members arranged in said cap plate adjacent said apertures, retaining members for securing said cap plate on said holding ring, and adapted to contact each with one of said yielding members, contact members associated with said holding ring, said contact members being insulated from one another and being connected to the respective retaining members.

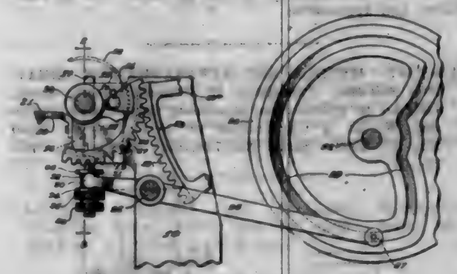
1,541,799. COMPARTMENT STEAM COOKER. ETHEL C. DODGE, East Greenwich, R. I. Filed Feb. 8, 1924. Serial No. 691,402. 1 Claim. (Cl. 53—1.)

A cooking utensil comprising a body portion, a plate supported by the body portion, a plurality of cups affixed to the plate and extending downwardly into the body portion, and a lid having a plurality of depressions



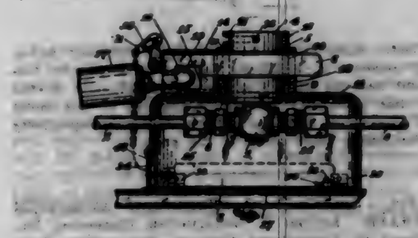
formed integrally thereon and adapted to extend into the tops of the cups and effectively close them.

1,541,800. AWL-SHIFTING AND STITCH-REGULATING MECHANISM FOR LEATHER-STITCHING MACHINES. LEO J. DU MAIS and FLOYD E. MINER, Chicago, Ill., assignors to Chicago Shoe Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 3, 1923. Serial No. 666,237. 5 Claims. (Cl. 112—48.)



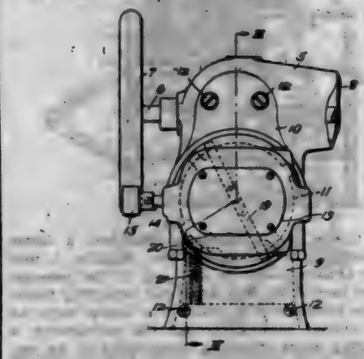
1. The combination with a shaft mounted for reciprocation transversely on a sewing machine and provided with a vertically inclined opening, of an awl mounted for oscillation on said shaft, a bar mounted for vertical movement below said shaft and having at its upper portion an inclined cam located in and slidably co-operating with said opening in said shaft, means for oscillating the awl to cause it to penetrate the work, and means for actuating said bar to cause the awl to feed the work laterally.

1,541,801. VALVE LOCK. ROBERT E. DURNING, Bellevue, Pa. Filed Aug. 2, 1924. Serial No. 729,835. 8 Claims. (Cl. 251—6.)



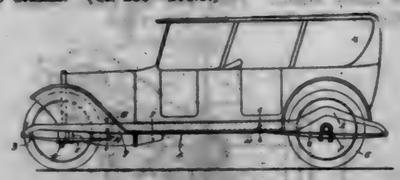
1. In a valve lock, a valve, an enclosing casing having an upwardly disposed neck, and a U-shaped member formed thereon provided with transverse perforations, a valve stem drum rotatably mounted in the casing neck, a locking key having a recess formed complementary to the U-shaped member perforations, and locking means passing through said key, and U-shaped member for holding the key in locked position.

1,541,802. MOUNTING FOR SEWING-MACHINE MOTORS. RALPH EBERSFELD, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 14, 1921. Serial No. 453,089. 12 Claims. (Cl. 74—26.)



1. In combination, a sewing-machine head comprising an upright standard, an auxiliary casing member mounted adjacent to said upright standard and provided with an opening therein and an electric motor mounted at least partially within said opening.

1,541,803. MOTOR VEHICLE. EDWIN R. EVANS, Detroit, Mich. Filed Mar. 5, 1923. Serial No. 623,947. 8 Claims. (Cl. 280—106.5.)



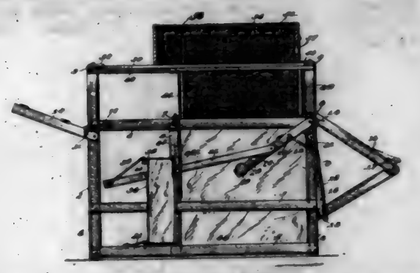
2. In a vehicle, a frame having a downwardly opening channel sill with vertically extending legs and transverse foot flanges upon the legs, one of the legs having a greater height at a point intermediate the ends of the sill than at the ends thereof and the other of the legs having portions of different height longitudinally of the sill.

1,541,804. BRUSH ATTACHMENT FOR VACUUM CLEANING TOOLS. EGBERT R. FIELD, Detroit, Mich., assignor to Eureka Vacuum Cleaner Company, Detroit, Mich., a Corporation of Michigan. Filed Feb. 13, 1922. Serial No. 536,022. 1 Claim. (Cl. 15—168.)



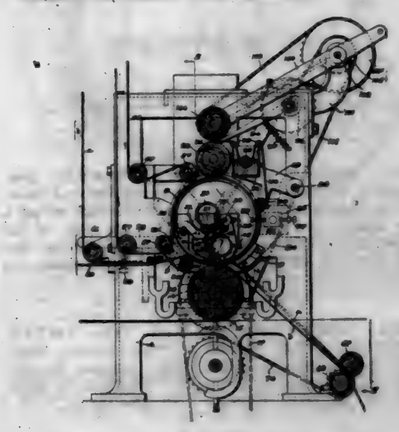
In a vacuum cleaner, the combination with a suction foot having a mouth, of a brush attachment including a clip having an inverted substantially U-shaped portion extending upwardly into said mouth to permit a portion of the article being cleaned to be drawn upwardly into said mouth, and having portions at the ends of the U-shaped portion aforesaid embracing opposite sides of said mouth, and a brush upon one side of the mouth secured to one of the last-mentioned portions of said clip.

1,541,805. FLYTRAP. CLIFFORD A. FLEMING, Huntsville, Mo. Filed Jan. 22, 1924. Serial No. 687,815. 10 Claims. (Cl. 119—156.)



10. In a device of the character described, a frame structure providing a passageway for animals, a pair of swinging arms adjacent to one end of the passageway, a roller carried by said arms and extending transversely of the passageway in position to engage with the back of an animal passing through the passageway, a pair of swinging doors extending transversely of the passageway and positioned in spaced relation to said roller, and pitmen connecting said arms and said doors, said doors being spring pressed toward closed position, and a flexible spring pressed curtain adapted to cooperate with said doors to close said passageway.

1,541,806. MACHINE FOR ORNAMENTING FABRICS. LORENS FLICK, Providence, R. I., assignor to Sayles Finishing Plants, Inc., Saylesville, R. I., a Corporation of Rhode Island. Filed July 30, 1923. Serial No. 654,597. 23 Claims. (Cl. 101—114.)



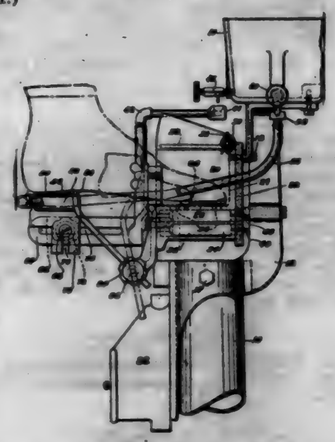
1. In a machine for ornamenting cloth, the combination of a stenciling cylinder, a container for the ornamenting material within the cylinder having an inclined wall resting upon the inner surface of the cylinder, means for bodily adjusting the container horizontally within the cylinder to vary its position therein, means for regulating the flow of ornamenting material from the container and delivering it between the inner surface of the cylinder and the inclined wall, and means for rotating the stenciling cylinder.

8. In a machine of the character described, the combination of a stenciling cylinder, a supporting surface between which and the stenciling cylinder the cloth is passed, a receptacle for the ornamenting material within the cylinder, means for governing at will the flow of material from the receptacle to the inner surface of the cylinder including a doctor, a supply pipe within the cylinder, and means for heating the several parts within the cylinder.

15. In a machine for ornamenting cloth, the combination of a back grey of greater width than the cloth to be ornamented, means for depositing a phenol condensation product upon the cloth in predetermined design, means for engaging the back grey only at its edges outside the edges of the cloth to carry the ornamented cloth from the point of application of said product, and a heating chamber into which the ornamented cloth is delivered to change the partial condensation product on the cloth to an insoluble non-thermoplastic final product.

19. In a machine for ornamenting cloth, the combination of a stenciling cylinder, means within the cylinder for applying a plastic condensation product to the inner face of the cylinder to pass through the stencil opening in the cylinder, means for advancing a sheet of cloth to be ornamented and for pressing it against said cylinder to receive the plastic deposits, and means for subjecting the cloth with the deposits thereon to a heat treatment of a character to permanently secure the ornamentation to the cloth and render them hard and insoluble so that they resemble glass beads in durability and appearance.

1,541,807. METHOD AND APPARATUS FOR TREATING SHOES. FREDERICK M. FURBER, Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed May 27, 1924. Serial No. 716,169. 13 Claims. (Cl. 12—1.)

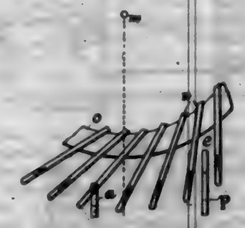


1. That improvement in methods of treating shoes, which consists in supplying radiant heat to the toe-end and heel-end of a shoe simultaneously and at the same time generating individual supplies of hot moist vapor adjacent to said toe-end and heel-end respectively and furnishing said vapor to the shoe.

1,541,808. PROCESS OF PRODUCING AMMONIUM NITRATE. LUCIEN H. GREATHOUSE, Clarendon, Va., assignor to Atmospheric Nitrogen Corporation, Syracuse, N. Y., a Corporation of New York. Filed Sept. 6, 1923. Serial No. 661,150. 12 Claims. (Cl. 23—105.)

12. The process of producing ammonium nitrate which consists in preparing a gas containing nitrogen oxides, absorbing a portion of said oxides in water to produce nitric acid, bringing the remaining nitrogen oxides into absorbing contact with ammonium carbonate to produce a mixture of ammonium nitrate and ammonium nitrate until no material quantity of nitrogen oxides remain in the gas, then oxidizing the nitrite content of the solution produced by the nitric acid first produced and passing air through the solution and then reintroducing the resultant nitrogen oxides into the flow of the nitrogen oxides first mentioned.

1,541,809. CIRCULAR-KNITTING FRAME. EMIL HAAGA, Stuttgart, Germany. Filed June 28, 1920. Serial No. 392,462. 6 Claims. (Cl. 66—20.)



1. In a circular knitting frame, a circular needle carrier, a circle of needles horizontally disposed on said carrier in such a manner that their axes form tangents of a smaller circle concentric with said carrier and a circle of sinkers disposed at right angles to the frame axis.

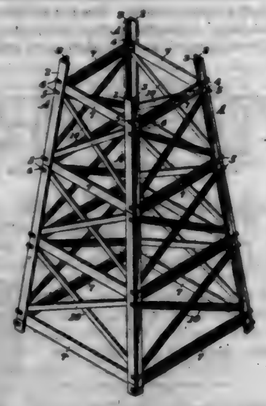
1,541,810. BATHING CAP. MARGARET HAMILTON, Memphis, Tenn. Filed Aug. 29, 1922. Serial No. 585,026. 2 Claims. (Cl. 2—68.)



1. In a bathing cap, the combination with a flat body portion devoid of a preformed head or hat-receiving pocket, of a strip of a length to encircle the head of a wearer, and having a central portion secured to the body portion at the forehead portion thereof, said central portion being of a width and length approximating only the height and width of a wearer's forehead, the end portions of the strip beyond the said central portion being of less width than said central portion and being free from the body portion to thereby form tying strips.

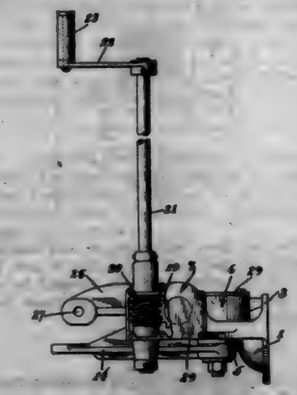
1,541,811. OIL-WELL DERRICK. CHARLES M. HEETER, Butler, Pa. Filed Mar. 2, 1922. Serial No. 540,482. 2 Claims. (Cl. 20—0.5.)

2. A derrick having a plurality of supporting columns, each column being formed of two members at an angle to each other, each member being formed of a plurality of sections, the joints between the sections of one member being staggered relative to the joints between the sections of the other member, a plurality of sets of girts connecting the columns to each other, each joint of the



column sections being overlapped by a girt, and a U clamp on each side of each girt connecting the column members to each other.

1,541,812. HORIZONTAL AND VERTICAL TRACTOR HITCH. JOSEPH M. HIGHDUCHECK, Greensburg, Pa., assignor to Greensburg Tool and Machine Company, Greensburg, Pa. Filed Sept. 17, 1923. Serial No. 663,280. 4 Claims. (Cl. 240—33.10.)



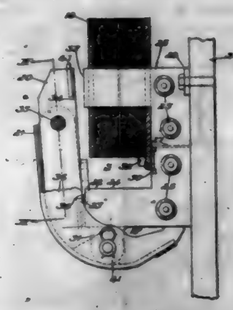
1. A horizontal and vertical sweep hitch for tractors including a support adapted to be attached to the rear portion of the tractor, said support comprising a main body portion and an attaching portion, inner and outer housings formed on the body portion and provided with bearing openings, all of said parts being cast in a single piece, a main shaft journaled horizontally of the support, a secondary vertically arranged shaft journaled in the support and operably connected to the main shaft, an arm adapted for lateral swinging movement connected to the lower end of the secondary shaft and arranged beneath and projecting beyond the support, a manually actuated shaft arranged in a vertical position and having its lower portion journaled in the outer portion of the support and operably connected with the main shaft, another arm mounted loosely about the main shaft, and means for releasably clamping the last mentioned arm to the main shaft so that it will swing vertically upon the operation of the manually operable shaft when desired, substantially as and for the purposes set forth.

1,541,813. SAFETY CIRCUIT CUT-OUT. MARTIN HÖCHSTÄDTER, 's Gravenhage, Netherlands, assignor to N. V. Lijn Protectie, 's Gravenhage, Netherlands, a Corporation of the Netherlands. Filed Aug. 24, 1921. Serial No. 494,833. 7 Claims. (Cl. 175—294.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In an automatic safety circuit cut-out system for line sections of the character described, having a main line and an auxiliary line in each line section and transformers at the ends of each line section for coupling the auxiliary line to the main line, and adapted to cause the cut-out operation in case of line disturbance, the transformer ratio of at least one of said coupling transformers being smaller than the impedance ratio between the main and the auxiliary line.

1,541,814. ELECTROMAGNET CONTACTOR. CHARLES H. HODGKINS and WALTER C. GOODWIN, Pittsburgh, Pa., assignors to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 20, 1920. Serial No. 360,202. 13 Claims. (Cl. 175—338.)



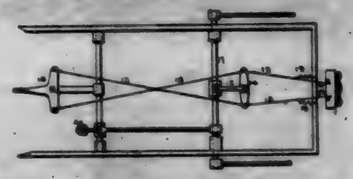
1. An electromagnet comprising a core member having an interposed air gap and a plurality of pole faces, and a magnetically balanced armature adapted to coact with said pole faces, said faces being positioned in substantially parallel planes.

1,541,815. METHOD OF SHAPING SHOE-UPPER MATERIALS. ERIC A. HOLMGREN, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 3, 1922. Serial No. 526,599. 10 Claims. (Cl. 12—97.)



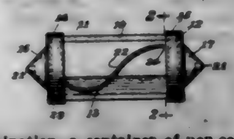
1. That improvement in methods of shaping shoe upper materials including an upper and a lining and stiffening material which is capable of flowing under the application of pressure, which consists in providing a portion of the upper materials which is to be subjected to upper shaping pressure with one or more openings to receive said stiffening material, and by the application of pressure in shaping the upper materials to the desired shoe contour causing the stiffening material to flow into said opening or openings to assist in holding the materials in shape.

1,541,816. AUTOMOBILE SIGNAL. BURTT J. HUBBARD, Kokomo, Ind. Filed Jan. 13, 1917. Serial No. 142,295. 11 Claims. (Cl. 116—45.)



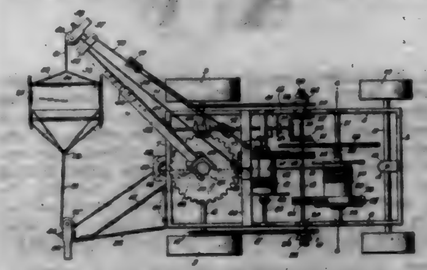
1. The combination with a vehicle, of a casing secured thereto having right and left signaling compartments, a source of illumination for each of said compartments, means whereby the driver of said vehicle can selectively illuminate said compartments to indicate an intended change in direction, and additional means whereby both of said compartments may be illuminated simultaneously to indicate that the vehicle is stopping.

1,541,817. VARIABLE-RESISTANCE GRID LEAK FOR RADIO APPARATUS. GEORGE H. HUMM, Fairfield, Conn., assignor to Radio Foundation, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Feb. 11, 1924. Serial No. 692,049. 7 Claims. (Cl. 204—57.)



5. In combination, a container of non-conducting material, a fluid mass within the container and constituting a high resistance conductor, and a conductor wire adapted to vary the resistance of the fluid by being more or less submerged therein, said wire being spaced from the sides of the container throughout the length of the wire.

1,541,818. TRENCH MACHINE. WALTER G. HUMPHREYS and OMAR R. HUMPHREYS, Omaha, Nebr. Filed Dec. 8, 1924. Serial No. 754,660. 6 Claims. (Cl. 37—144.)

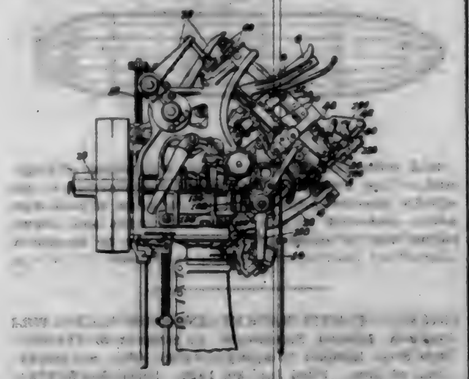


1. A trench filling machine comprising a frame adapted to straddle a trench, an outrigger secured to the frame and arranged to extend therefrom, a scoop, a cable attached to the scoop and passing over the outrigger for operating the scoop in one direction, a boom on the frame adapted for vertical adjustment, and a second cable connected to the scoop and to the boom for elevating the scoop and carrying it laterally away from said outrigger.

1,541,819. METHOD OF AND LIQUOR FOR PRODUCING TANNED LEATHER. DANIEL DANA JACKSON and ALLEN ROGERS, Brooklyn, and TE-PANG HOU, New York, N. Y. Filed Sept. 2, 1921. Serial No. 498,049. 5 Claims. (Cl. 149—4.)

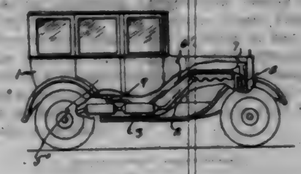
1. A method of tanning, comprising oxidizing a ferrous salt solution to the ferric state, and adding an alkali to produce a basicity between ratios of 5 to 6 and 3 to 4 equivalents of the mineral acid radical to the ferric ion, and treating the pelt in said oxidized solution.

1,541,820. MACHINE FOR WORKING UPPERS OVER LASTS. BERNHARDT JORGENSEN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed June 24, 1920, Serial No. 391,485. Renewed Aug. 21, 1924. 101 Claims. (Cl. 12—10.)



1. A machine of the class described having, in combination, means for pulling an upper over a last, an overlaying device for the toe end of the shoe, side overlaying devices mounted for movements laterally of the shoe at opposite sides of the forepart and toward which said toe overlaying device is movable in its operation on the shoe, different mechanisms for effecting respectively different movements of said toe and side overlaying devices, comprising first a movement along the plane of the sole and then a movement toward said plane to bend the margin of the pulled upper inwardly over the sole and to press it against the bottom face of the sole, and means operative in time relation to said overlaying devices to cause the upper pulling means to release the upper.

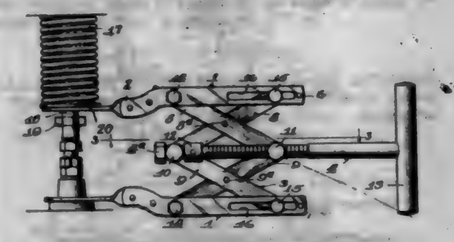
1,541,821. HEATER FOR AUTOMOBILES. JAMES W. KELCH, JAMES J. SUNDAY, and FREDERICK SCHLUSTER, Detroit, Mich. Filed Feb. 12, 1925. Serial No. 8,779. 6 Claims. (Cl. 257—241.)



1. A heater for motor vehicles including a shell having inlet and outlet ports for the exhaust gases of the motor, a plurality of tubes extending between said inlet and outlet ports, and means opposite to and in rear of the inlet port for directing the exhaust gases into the tubes, said means being so constructed as to eliminate back pressure on the motor.

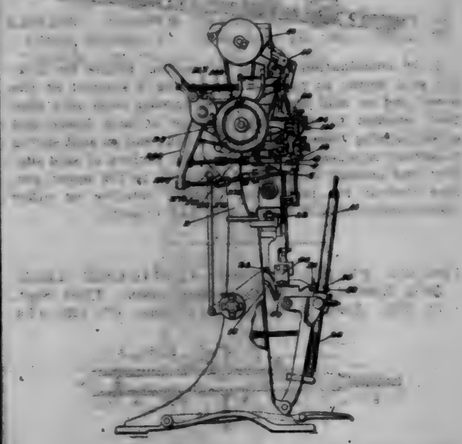
6. In a heater for motor vehicles, the combination with a tubular shell having inlet and outlet ports for the exhaust gases of the motor at the opposite ends thereof, and an inwardly flared portion immediately in rear of the inlet port, a core having tubes extending longitudinally of the shell between said inlet and outlet ports, and a header for the tubes having a concave portion opposite to the flared portion aforesaid for directing the exhaust gases into the tubes so that the said gases will flow freely in substantially a straight line from the inlet port through the tubes to the outlet port.

1,541,822. VALVE LIFTER. ANDREW A. KERCH, Chicago, Ill. Filed June 11, 1921. Serial No. 476,685. 2 Claims. (Cl. 29—96.3.)



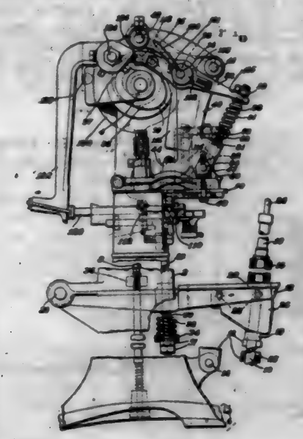
1. A valve spring lifter comprising a pair of parallel arms provided with spring engaging members at one end thereof, an extensible linkage comprising pairs of links each pivotally connected together midway of their ends, and with each other at their adjacent ends, and having pivotal and endwise sliding connection with said arms, and a screw shaft journalled at one point of connection between said pair of links and having threaded engagement at the other point of connection.

1,541,823. ASSEMBLING MACHINE. NORWOOD H. KNOWLTON, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 7, 1918. Serial No. 215,774. 59 Claims. (Cl. 12—4.)



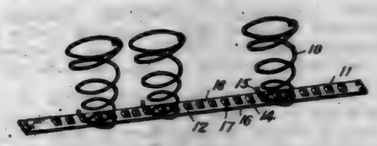
1. In a machine of the class described, the combination of a wiper movable over a shoe bottom, a tacker movable in a direction opposite to that of the wiper, and means for moving the wiper and tacker to do their work.

1,541,824. MACHINE FOR TREATING SHOE UPPERS. NORWOOD H. KNOWLTON, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 17, 1922. Serial No. 544,581. 56 Claims. (Cl. 12—51.)



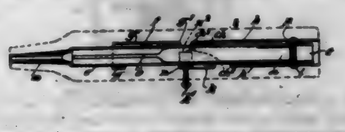
1. In a machine for assembling an upper upon a last having a sole attached thereto, the combination of means for pressing an upper and counter against the side faces of the last, means for effecting relative movement between the last and the pressing means to work the upper toward the sole, and means for securing the upper to the last.

1,541,825. SELF-LOCKING SPRING. ABRAHAM KRAKAUER, Brooklyn, N. Y. Filed Feb. 6, 1924. Serial No. 690,896. 4 Claims. (Cl. 5—264.)
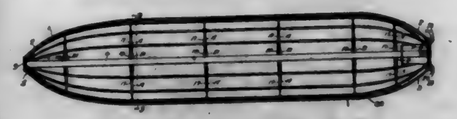


1. In combination with a coil spring, means for locking said spring in position comprising a support at the lower end of said spring, means pressed from said support adapted to allow the passage of said lower end of said spring therethrough, and a bent end on said spring in sprung engagement with the under surface of said support and passing through said support to the upper surface thereof for preventing relative rotative or other displacement of said spring and said support.

1,541,826. PENCIL HAVING A SLIDABLE LEAD. EMIL KROUTIL, Budweis, Czechoslovakia. Filed Sept. 14, 1922. Serial No. 588,110. 4 Claims. (Cl. 120—17.)



1. A pencil having a slidable lead comprising in combination an inner case provided with a longitudinally extending slot, an outer case encasing the inner case, the two cases being adapted to slide within one another, a longitudinally adjustable toothed rack in the inner case for feeding forwardly the slidable lead, the teeth of said rack projecting into and being freely accessible by means of the longitudinal slot in the inner case, a locking catch on the inner case adapted to engage and lock the rack against sliding backwardly, a feed catch on the outer case adapted to engage and feed forwardly the rack in case the two cases are moved towards each other, and a spring lever attached to one of the cases and operated by pressure for raising the catches and interrupting the engagement between the said catches and the rack.

1,541,827. COLLAPSIBLE FORM. OSCAR J. LAISY, Cleveland, Ohio. Filed Apr. 20, 1921, Serial No. 462,805. Renewed Dec. 26, 1924. 14 Claims. (Cl. 244—6.)



1. A collapsible frame comprising a plurality of longitudinal ribs, certain of said ribs being movable in an opposite direction with respect to the other of said ribs, means connected to and adapted to space said longitudinal ribs to cause said spacing means to assume a longitudinal position and collapse said frame.

1,541,828. TENNIS RACKET AND THE LIKE. WILLIAM A. LARNED, Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 30, 1922. Serial No. 532,754. 3 Claims. (Cl. 273—73.)



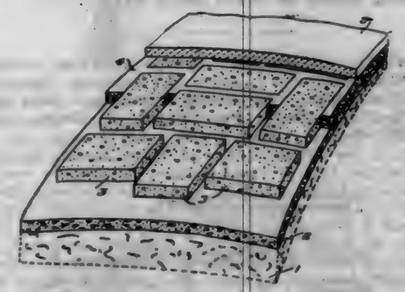
1. A tennis racket comprising a tubular metal frame, a tubular metal bridge-piece connected to said frame at its throat portion, and a stringing for said frame, said tubular bridge-piece and tubular frame containing large registering holes in their meeting walls to permit the passage of the stringing therethrough without injury to the same.

1,541,829. TENNIS RACKET AND THE LIKE. WILLIAM A. LARNED, Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio, a Corporation of Ohio. Filed Feb. 13, 1922. Serial No. 536,186. 3 Claims. (Cl. 273—73.)



1. The combination with a metallic tennis racket frame, legs on the latter, of a handle applied to the legs thereof, and a ferrule fitted on the inner end of the handle, said ferrule having over the inner end of the handle, a top containing holes which tightly receive the legs of the frame.

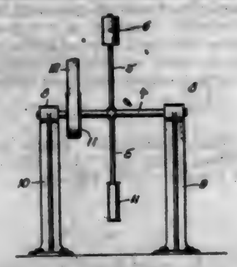
1,541,830. CONSTRUCTION OF ROADS AND WAYS. PETER JOHN MANUEL LARRAÑAGA, London, England. Filed Sept. 9, 1922. Serial No. 587,201. 6 Claims. (Cl. 94—22.)



6. A paving consisting of a bottom course of flexible resilient material, an intermediate course supported by said bottom course and having a layer of flat relatively rigid slabs forming pressure and shock distributing elements and free to have slight relative movement, and a top wearing surface course of flexible material resiliently supported by said intermediate course so that the paving as a whole is flexible.

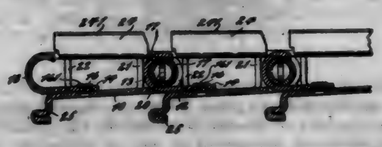
1,541,831. PROCESS OF MAKING MOLDED ARTICLES. OSCAR LINDER, Chicago, Ill., assignor to Ideal Roller & Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 5, 1921. Serial No. 512,989. 3 Claims. (Cl. 18—58.)

1. The process of molding resilient printers' or lithographers' roller under pressure which consists in obtaining the pressure to which the material to be molded is to be subjected by submitting the roller to a centrifugal force,



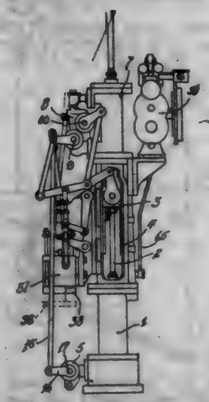
the center of which is outside of the mold in which the roller to be molded is contained.

1,541,832. PORTABLE FLEXIBLE TRACK AND PROCESS FOR MAKING THE SAME. SYLVANUS D. LOCKE, Bridgeport, Conn. Filed Feb. 3, 1920. Serial No. 356,110. 29 Claims. (Cl. 305—10.)



2. A chain comprising a plurality of links and connecting pins, each link comprising a single piece of sheet metal having a base portion and a top portion spaced apart and connected by curved portions at each end, the curved portion at one end being cut away at each end and the curved portion at the other end being cut away whereby the curved portion of one link will have a space to accommodate the curved portion of the adjacent link, and sheet metal circular connecting pins each extending through the curved portions of a pair of adjacent links, each pin having a pair of projecting wings adapted to engage between the top and base portions of a link to prevent the pin from turning in the link.

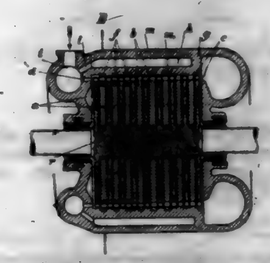
1,541,833. SAFETY BRAKE ENGINE. HENRY H. LOGAN, Chicago, Ill. Filed July 24, 1924. Serial No. 728,013. 10 Claims. (Cl. 303—49.)



1. A brake engine of the type described having a power cylinder, a piston in said power cylinder, an oil cylinder, a piston for said oil cylinder connected with

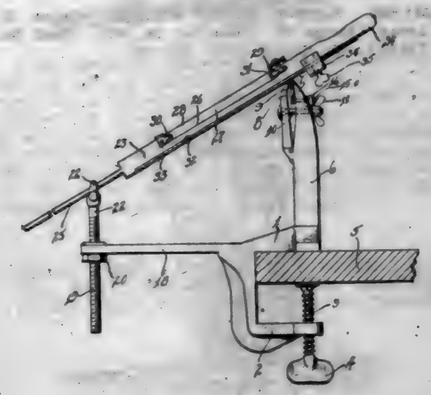
the piston in said power cylinder, a valve for said power cylinder, a valve for said oil cylinder to permit the flow of oil from one side of said oil piston to the other side, means for manually actuating said valves, and other means associated with said pistons and said oil cylinder for permitting the quick movement of said pistons during the first part of their travel when said valves are open.

1,541,834. AXIAL TURBINE. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Apr. 21, 1924. Serial No. 708,081. 4 Claims. (Cl. 253—69.)



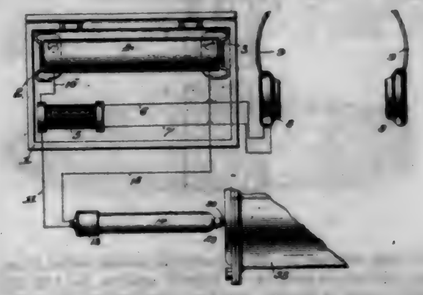
1. An elastic fluid turbine of the axial flow multistage type comprising a cylindrical carrier for the stator elements which are surrounded as well as carried by said carrier, an outer casing spaced from the cylindrical carrier and cast integral therewith at both the front and rear ends, said carrier and outer casing forming therebetween a continuous chamber surrounding the carrier over the whole length thereof, and means to supply elastic fluid to said continuous chamber including a direct connection at the high pressure end with the high pressure supply.

1,541,835. SHEARS SHARPENER. JOHN EDGAR MCKINLEY, Oakland, Nebr., assignor of one-fourth to Roy Bowen, Oakland, Nebr. Filed Feb. 24, 1925. Serial No. 11,282. 2 Claims. (Cl. 76—82.)



1. A device of the character described comprising a vise adapted to grip and support the blade of a pair of shears, an adjustable guide member disposed at a predetermined distance from said vise and being adjustable as to height, said member having a horizontal supporting surface greater in length than the length of the shears blade and having upturned stop members at each end thereof, and an abradant supporting member having a handle portion for manual actuation, whereby the abradant may be moved across said cutting blade and the member may bear at one end upon and be guided by said guide member.

1,541,836. SOUND-LOCATING DEVICE. ALEXANDER MCNAB, Bridgeport, Conn. Filed Jan. 21, 1920. Serial No. 352,981. 2 Claims. (Cl. 179—122.)



1. In a microphone for use in sound locating devices the combination of a body; a resistance mounted therein and adapted to be included in a circuit with the primary windings of a coil; a plunger extending forwardly from the resistance; a spring bearing against the forward end of the plunger; a second plunger mounted in the body and bearing on the opposite end of the spring; a cup piece mounted on the outer end of the body; a felt nose piece mounted in the cup; and a finger guided and supported by the nose piece, said finger at its inner end bearing against the second named rod.
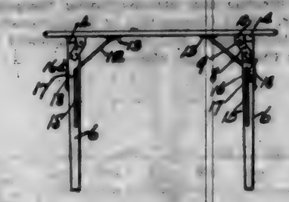
1,541,837. THRESHOLD. HERMAN C. MAISE, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed July 23, 1923. Serial No. 653,231. 9 Claims. (Cl. 296—28.)



6. The combination with a vehicle body having a sill and side panels provided with spaced door openings above the sill, of a seprate threshold member extending across said spaced openings and secured to said sill.

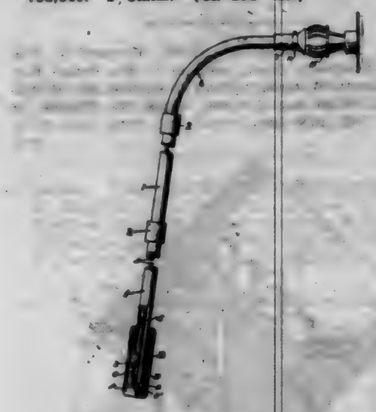
1,541,838. FOLDING TABLE. WILLARD E. MARSH, Memphis, Tenn. Filed Apr. 27, 1922. Serial No. 556,921. 6 Claims. (Cl. 45—11.)

4. A folding table comprising a top, cleats transversely disposed across near opposite ends of the said top, legs each comprising a single piece having its top end bifurcated and spread apart, a hinge for each of said leg sections, fastened to said top section, adjacent said cleats, whereby the ends of said leg sections will each



abut and clamp against said cleats at two separated places when said legs are fully opened and means for bracing said legs in such opened position.

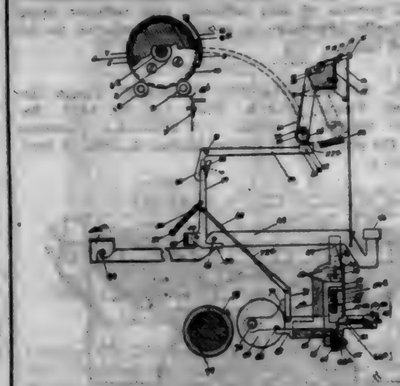
1,541,839. ELECTRIC-LAMP-MAINTENANCE DEVICE. LAWRENCE W. METZLER and WALTER L. METZLER, Topeka, Kans. Filed Nov. 28, 1924. Serial No. 752,640. 1 Claim. (Cl. 294—20.)



In an electric lamp maintenance device, a hollow staff having a rotatably mounted sleeve over the end thereof, on the opposite end a hollow curved member rigidly mounted thereon, a ferrule screwed on the end of said curved member, an annular flange in said ferrule, a socket rotatably mounted on the end of said ferrule and a stud fastened to said socket by means of a pin so that said socket will rotate with said stud, a flange on said stud engaging said annular flange in said ferrule on the opposite side from said socket so that the socket and stud are rotatably mounted relative to said ferrule, a rubber flexible grip having a plurality of grooves in the side, and in close proximity to each other so that the remaining, intervening, flexible portion will yield spirally, gripping the lamp bulb, a torque transmitting cable connected to the extreme outer end of said sleeve, the said outer end being detachable, but sufficiently rigid to rotate said cable, the opposite end of said cable extending into an aperture in said stud and rigidly fastened therein so that said cable will transmit torque to said socket.

1,541,840. WRITING MACHINE. CHARLES B. MORGAN and ROBERT A. CROOKS, Kansas City, Mo. Filed Nov. 9, 1923. Serial No. 673,719. 6 Claims. Cl. 197—17.)

1. In a machine of the character described printing mechanism, a key lever, a rotary driving member, a plunger, mechanism controlled by the key lever for releasing said plunger and permitting the same to move towards the rotary member, an eccentric which on being carried by the plunger against the rotary member retracts said plunger, a rod connected to the printing mechanism, a link pivotally secured to said rod and



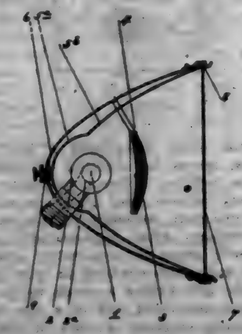
the plunger and a shoulder on the plunger which co-acts with said link in effecting the operation of the printing mechanism through the intermediacy of the rod on backward movement of the plunger.

1,541,841. CIGAR EXTINGUISHER. JACOB E. NEAHR, Hartsdale, N. Y. Filed Apr. 1, 1924. Serial No. 703,898. 10 Claims. (Cl. 131—51.)



1. A cover for an ash-receptacle, said cover provided with a cigar-tray or rest which is pivotally mounted to form a pinching jaw, to enable the cigar-rest and cover to co-operate to pinch and extinguish a cigar.

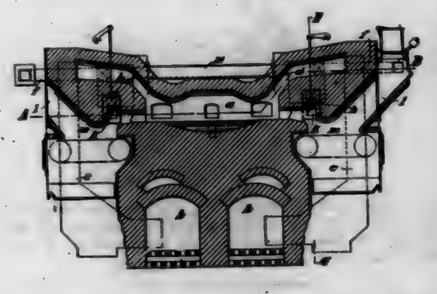
1,541,842. LIGHT PROJECTOR. PHILIP S. OSGOOD, Cleveland, Ohio. Filed May 25, 1921. Serial No. 472,433. 1 Claim. (Cl. 240—41.)



In a lamp for the purpose set forth, an outer casing, a reflector, provided with a semi-spherical portion and a parabolic portion, a source of light and an astigmatic

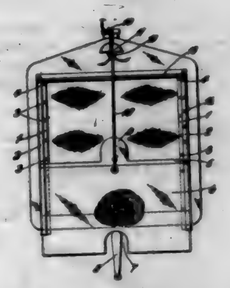
lens spaced therefrom, said source of light and lens being rigidly secured to said casing within said reflector, said source of light being at the focal point of said semi-spherical portion of said reflector, said reflector being longitudinally adjustable in said casing relative to the source of light.

1,541,843. SIEMENS-MARTIN FURNACE. PETER OSTENDORF, Vienna, Austria. Filed Aug. 29, 1921. Serial No. 496,688. 1 Claim. (Cl. 263—15.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



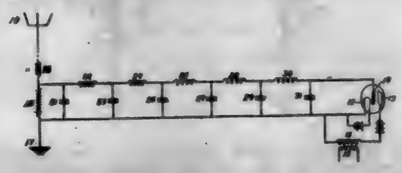
An open hearth furnace comprising in combination, a melting room, a gas generator adjacent said melting room, the wall between said melting room and said generator having only two superposed channels extending therethrough, one of said channels connecting the lower part of said generator with the lower part of said melting room, while the other channel extends obliquely downwards into the upper part of the melting room.

1,541,844. RADIATOR COVER. ROBERT L. PATE, Springfield, Mo. Filed Jan. 24, 1924. Serial No. 688,337. 4 Claims. (Cl. 257—132.)



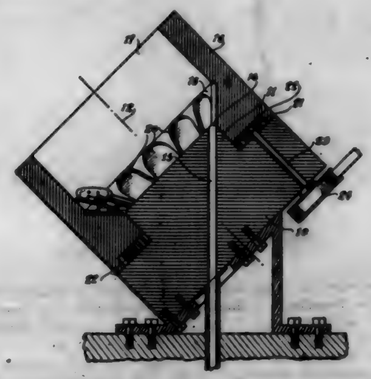
2. A radiator cover, comprising a pair of vertical guide channels, means for securing the guide channels in front of the radiator, a lower stationary cover plate having its ends between said guide channels and the radiator, an upwardly extended portion in connection with said stationary plate approximately midway between said guide channels, a movable cover plate operative within said guide channels in front of the lower stationary plate and having a notch in its lower edge for the purpose mentioned and of a size to be closed by said upwardly extended portion of the stationary plate when the movable plate is in its upper adjustment, and means for supporting the movable plate in its various selected adjustments in said guide channels.

1,541,845. ELECTRICAL WAVE TRANSMISSION. MICHAEL I. PUPIN, Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 11, 1915, Serial No. 430,995. Renewed Dec. 15, 1920. 19 Claims. (Cl. 250—20.)



19. A transmission system comprising a unidirectionally conducting element and a second unidirectionally conducting element and a second unidirectionally conducting element and a band filter between said unidirectionally conducting elements, said band filter having a natural period of oscillation which is outside of the frequencies which it efficiently transmits.

1,541,846. FEEDING MECHANISM. FORREST G. PURINTON, Waterbury, Conn., assignor to The Patent Button Company, Waterbury, Conn., a Corporation of Connecticut. Filed Aug. 1, 1924. Serial No. 729,564. 3 Claims. (Cl. 218—12.)



1. A feeding mechanism for button heads comprising an angularly disposed rotatable hopper having inclined side walls, and a stationary bottom wall for said hopper provided with an edge projecting beyond the said inclined side walls of the hopper so that the side walls of the hopper and the edge will support a button head in substantially a vertical position, said bottom wall having an opening extending therein from the elevated portion of said ledge forming a substantially vertical delivery chute for the button heads brought there in front by the rotation of said hopper.

1,541,847. GRIPPER. CHARLES F. PYM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed Feb. 1, 1917, Serial No. 146,028. Divided and this application filed Nov. 12, 1920. Serial No. 423,588. 13 Claims. (Cl. 12—11.)

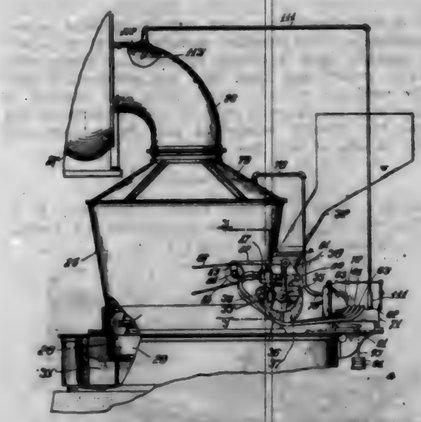
1. A gripper mechanism comprising a fixed lower jaw having an upwardly extending shank, an operating plunger guided in and extending upwardly of said shank and having an outwardly offset lower end, an upper movable jaw having a shank portion pivotally connected at its upper end to the offset lower end of said plunger,

a link having its rear end pivotally attached to the lower fixed jaw at a point rearwardly of the pivot point on said offset end and having its forward end



pivoted to said movable jaw at a point intermediate of its ends, and means for reciprocating said plunger to move said upper jaw toward and from the lower fixed jaw.

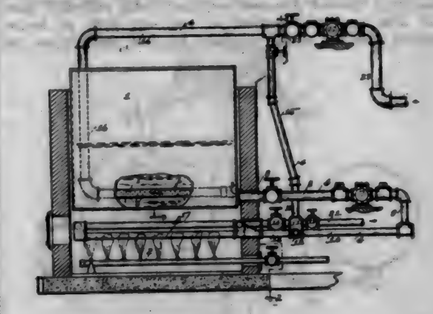
1,541,848. FEED-REGULATING MECHANISM. FRED I. RAYMOND, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill., a Corporation of Illinois. Filed June 26, 1923. Serial No. 647,774. 32 Claims. (Cl. 83—44.)



1. In combination with a pulverizing mill, exhausting apparatus for removing the pulverized material therefrom, a feeder, a pneumatic for controlling the feeder, and a device responsive to pressure changes in the mill for actuating said pneumatic only when pressure changes of predetermined magnitude take place.

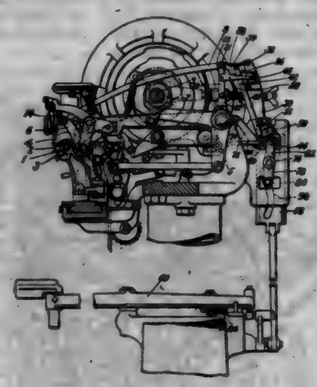
1,541,849. MEANS FOR HEATING AND CIRCULATING LIQUID IN A HEATING TANK. HARRY M. REYNOLDS, Grand Rapids, Mich., assignor to H. M. Reynolds Shingle Company, Grand Rapids, Mich., a Corporation of Michigan. Filed Dec. 4, 1922. Serial No. 604,954. 2 Claims. (Cl. 126—343.5.)

1. A tank adapted to contain a heated liquid, and having a vent below the level of the liquid; means for heating the tank and the liquid therein; a pipe extending into the tank and having a plurality of perforations



opening into the liquid therein below its level; means for circulating the liquid through the pipe and its perforations into the tank and out through its vent.

1,541,850. LASTING AND SEWING MACHINE. FRED RICKS and REGINALD BOYD WOODCOCK, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 1, 1921. Serial No. 519,162. 15 Claims. (Cl. 12—4.)

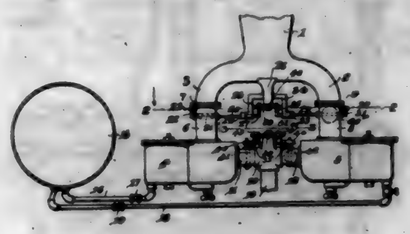


1. In a machine for operating progressively upon a shoe through successive cycles, auxiliary positioning means arranged for movement into and out of operative position, means for actuating the auxiliary positioning means when in operative position toward and from the shoe in each cycle, and means under control of the operator during operation of the machine for moving the auxiliary positioning means to its inoperative position and beyond the path of its movement when in operative position.

1,541,851. DUAL FUEL-SUPPLY SYSTEM. WILHELM M. RISTAU, Jr., Fredericksburg, Tex. Filed Aug. 5, 1924. Serial No. 730,237. 8 Claims. (Cl. 123—127.)

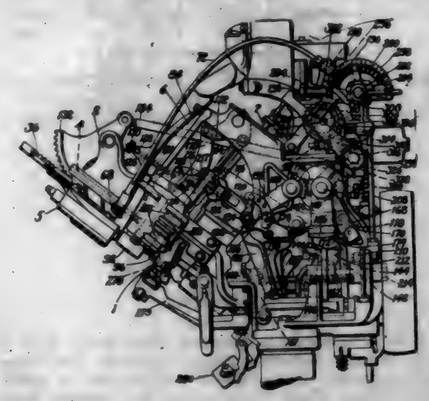
8. A dual fuel supply system comprising a pair of caburetors, each provided with an air inlet pipe and a fuel supply pipe and means to independently and detachably connect it to the intake manifold of a motor, a spring controlled pivoted throttle valve mounted in each of said supply pipes, with the pivot of each of said valves extending horizontally and projecting from

a supply pipe and having its inner end formed with a crank arm, a pivoted spring controlled air controlling valve mounted in each of said inlet pipes and having the pivot thereof disposed vertically and extended from the inlet pipe and formed at one end with an angle-shaped member, means common to said crank arms for



operating one of said throttle valves independently of the other, means common to said angle-shaped members for operating one of said air controlling valves independently of the other, and means connected with the intake manifold of an engine for supporting said crank arm operating means.

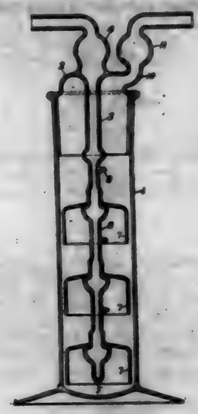
1,541,852. MACHINE FOR WORKING UPPERS OVER LASTS. WILLIAM THOMAS BUCKINGHAM ROBERTS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Oct. 15, 1921. Serial No 507,900. 87 Claims. (Cl. 12—4.)



1. A machine of the class described having, in combination, means for pulling an upper at the sides of the forepart to stretch it transversely over a last to substantially its final tension before the upper is pulled at the end of the toe, and means for pulling the upper at the end of the toe to stretch it lengthwise of the last after the transverse pull has been substantially completed.

1,541,853. ABSORPTION BULB. CLARENCE J. ROTTMANN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 9, 1919. Serial No. 302,737. 6 Claims. (Cl. 261—121.)

2. An absorption bulb comprising a container and closure therefor, discharge means leading from the closure, a gas-supply pipe leading through the closure, with one end disposed adjacent the bottom of the con-



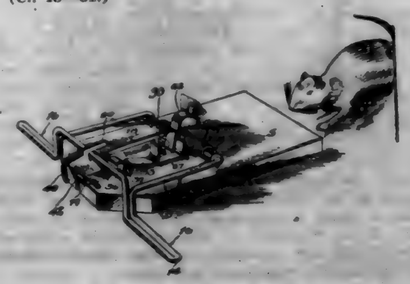
tainer, and baffle members carried by the supply pipe within the container.

1,541,854. BOX WITH OPENING DEVICE. DANIEL E. SALVUCCI, Philadelphia, Pa. Filed Jan. 14, 1924. Serial No. 685,940. 3 Claims. (Cl. 220—43.)



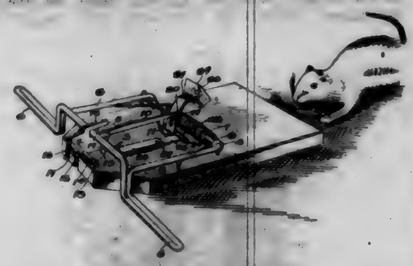
1. A box comprising a body member having a lateral projection, a cover member engaging with said body and provided with a lateral projection, a finger piece movable toward and from said box members, a split wedge arranged on said finger piece and adapted to engage with the opposing sides of said projections, and means for movably supporting said finger piece and wedge on one of said box members.

1,541,855. TRAP. ERNEST SANDS, Charleston, S. C. Filed Dec. 7, 1923. Serial No. 679,143. 7 Claims. (Cl. 43—81.)



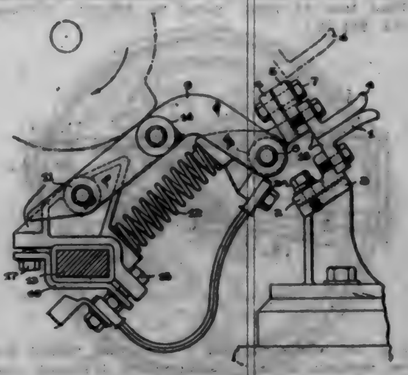
1. A trap comprising a base, a jaw pivotally secured to the base and formed from a single length of wire arranged in U-shaped formation, said length of wire being provided with oppositely located laterally projecting portions constituting gripping members, and a trigger for holding the jaw in set position, said gripping members projecting outwardly from the jaw whereby the arms are spaced from the rodent striking portion of the jaw.

1,541,856. TRAP. ERNEST SANDS, Charleston, S. C. Filed Jan. 22, 1924. Serial No. 687,801. 3 Claims. (Cl. 43—81.)



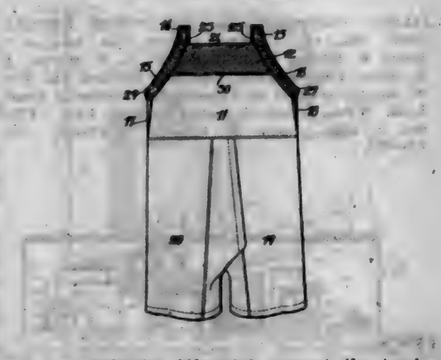
1. A trap comprising a base, a spring-pressed pivoted jaw carried thereby, a pivoted member carried by the base and adapted to engage with said jaw to releasably hold the jaw in "set" position, said jaw engaging member having an integral elongated trigger portion, a pivoted bait carrier carried by said base, said bait carrier having an aperture formed therein for receiving the free end portion of said trigger when the bait carrier is in a certain position and the jaw-engaging member is engaged with said jaw, a weighted arm integral with said bait carrier and urged by gravity to position to hold said bait carrier in engagement with said trigger, and a lateral striker on said trigger adapted to engage said weighted arm just before the free end portion of said trigger enters the aperture in said bait carrier, said striker arm being adapted to force the weighted arm to position to hold said bait carrier in engagement with said trigger.

1,541,857. CONTROL APPARATUS. OTTO P. SCHUSTER, North Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 12, 1922. Serial No. 581,321. 5 Claims. (Cl. 200—170.)



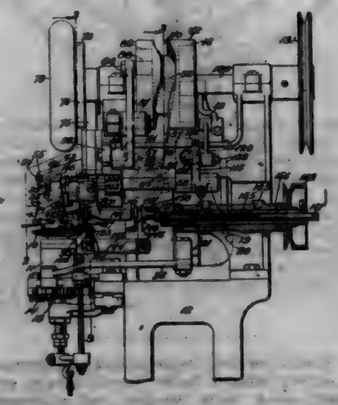
5. A switch comprising a movable contact member having a serrated surface and a similarly surfaced rotatable supporting member, of an operating lever for mounting the supporting member, a bearing bracket for said lever, an insulated shaft for supporting the bearing bracket, a stationary contact member and a supporting bracket therefor, each having co-operating serrated surfaces in mutual engagement, means for adjusting said members from tooth to tooth along said serrated surfaces and means for maintaining said bearing bracket in alinement with said contact members.

1,541,858. COMBINATION GARMENT. JOHN F. SCOTT, Cohoes, N. Y., assignor, by mesne assignments, to Arnold S. Hatch, Albany, N. Y. Filed Sept. 3, 1924. Serial No. 735,555. 2 Claims. (Cl. 2—78.)



2. A combination bifurcated garment the trunk or body portion and the leg portions of which are constructed of a non-elastic fabric, said fabric extending around the sides and under the arms, borders of elastic material about the arm holes of said body portion and extending upwardly therefrom to form shoulder straps, and an insert of laternally elastic vertically ribbed material in the upper portion of the back of said body extending downwardly from the neck opening between said arm hole borders and secured thereto, said fabric being doubled with the doubled edge at the upper portion bordering the neck opening at the upper portions of said border portions and having the upper edge of the relatively inelastic material inserted between the lower edges and joined thereto on a straight, substantially horizontal, seam extending between said arm hole borders, the upper edge of said insert forming a neck opening border lying above the lower edges of the arm hole.

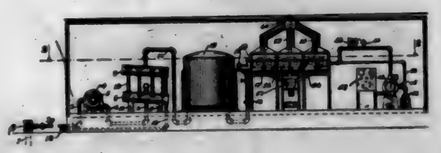
1,541,859. INSOLE-REENFORCING MACHINE. THOMAS H. SEELY, Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed July 23, 1919. Serial No. 312,662. 35 Claims. (Cl. 12—20.)



18. Trimming mechanism for reenforced insoles comprising a disc knife, means for continuously rotating said knife, means for imparting to said knife chopping

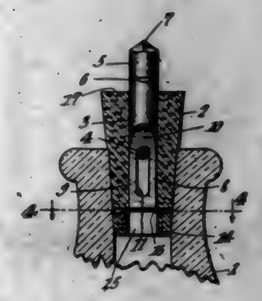
strokes in a plane normal to the surface of the reenforce and through the reenforce to trim it and means for feeding the insole in a direction substantially parallel to said plane.

1,541,860. CARBON-BLACK AND POWER GENERATOR. WILLIAM A. SHARPE, Denver, Colo., assignor to Harry R. Rogers, Fred. B. Rogers, L. T. Martin, A. L. Miller, Lon Galbreath, Lawrence Johnson, and Wm. A. Sharpe, trustees of Consolidated Producers Trust, Lusk, Wyo., Organized Under Common Law. Filed Oct. 9, 1923. Serial No. 667,562. 3 Claims. (Cl. 134—65.)



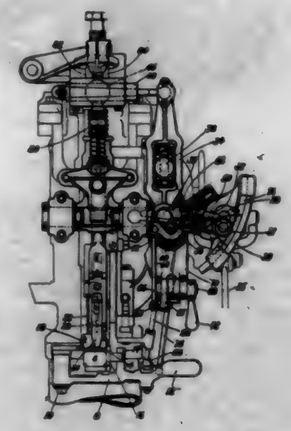
1. A carbon-black retort comprising a pair of parallel cylindrical boilers rotatable on their central axes, means for rotating said boilers in opposite directions and towards each other at the top, a pair of scrapers, one cooperating with each boiler, said scrapers contacting with the adjacent sides of the boilers at a point between the vertical and horizontal diameters of the boilers, a screw conveyor located underneath each pair of brushes, pipes connected to the boilers for introducing water thereinto, means comprising pipes for conducting steam from the boilers, and a series of gas jets underneath each boiler.

1,541,861. DISPENSING STOPPER. WILLIAM F. SHAW, Denver, Colo. Filed July 11, 1924. Serial No. 725,453. 2 Claims. (Cl. 215—47.)



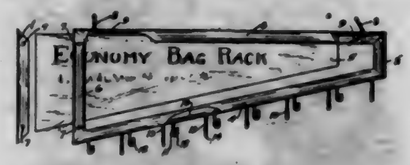
1. In a device of the class described, a stopper having a bore, a valve slidable in the bore, the valve comprising a part which closes the bore, and a reduced end which closes the bore but partially when the valve is partly withdrawn, the reduced end of the valve having an elongated slot, and a pin engaged at its ends with the stopper and passing through the slot of the valve.

1,541,862. LASTING MACHINE. ROBERT HENRY SILVESTER, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 1, 1921. Serial No. 510,141. 20 Claims. (Cl. 12—2.)



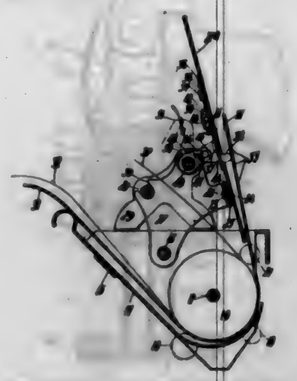
1. In a machine of the class described, means for inserting a plurality of tacks, a gripper, and means for locating the gripper in front of the point of insertion of either tack.

1,541,863. BAG RACK. HARLOW M. SIMPSON, Fort Morgan, Colo., assignor to Simpson Specialty Company, Fort Morgan, Colo., a Corporation of Colorado. Filed Mar. 22, 1924. Serial No. 701,054. 4 Claims. (Cl. 211—2.)



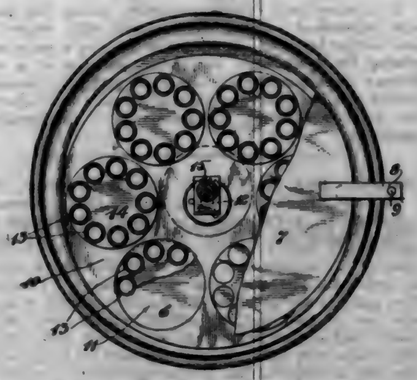
4. A bag rack comprising a framework formed from metal members having a substantially U-shaped cross-section adapted to hold a display card, one side member of said frame being provided with openings for the reception of hangers, said hangers comprising a wire having a central straight portion adapted to lie within the channel of one frame member and to be held in place by the card, the ends of the hanger being bent at an angle to the central portion and project through the openings, one end of each hanger being formed into a hook and the other being formed into an eyelet, the hook being in a plane passing through the straight portion and the eyelet in a plane perpendicular to the straight portion.

1,541,864. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Apr. 21, 1923. Serial No. 633,573. 17 Claims. (Cl. 197—127.)



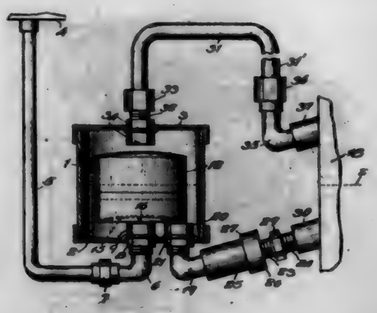
1. In a typewriting machine, the combination with a revoluble platen, of a collating table, arranged at the delivery side of the platen and disposed to support the leading ends of work-sheets on the platen, sheet-holding pins carried by said table and projecting through a slot in said table from the rear thereof, positioned to enter perforations provided in the margins of a work-sheet, carried on the platen and said table, and carriers for said pins mounted at the rear of said table and adjustable thereon toward and from the platen.

1,541,865. LAPPING MACHINE. JOHN W. SMITH, New Britain, Conn., assignor to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Apr. 3, 1923. Serial No. 629,554. 8 Claims. (Cl. 51—161.)



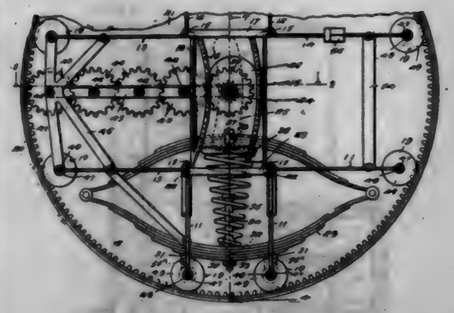
1. In a lapping machine, a pair of opposed flat lapping discs, a main work carrier plate between said discs, means for circularly moving one of said parts with reference to the other, the main work carrier having a plurality of openings therein, a secondary work carrier plate for one or more of said openings, said secondary carrier plate having a plurality of pockets for holding articles to be lapped, said secondary carrier being positioned so as to cause articles held therein to lie within the opening of the main work carrier.

1,541,866. AUTOMATIC OIL-FEEDING APPARATUS. MARTIN SORENSEN, Chicago, Ill. Filed Oct. 15, 1920. Serial No. 417,124. 3 Claims. (Cl. 184—103.)



1. In a device of the kind described and in combination, a casing provided with an inlet and outlet, and with a third port, means for connecting said inlet with a source of supply, means for connecting said outlet with an oil container, conduit means between said third port and said container in free communication with both and forming an air seal therebetween, and means in said casing for automatically controlling the admission of fluid from said source of supply through said inlet.

1,541,867. VEHICLE WHEEL. JOHN HENRY SPARKS, Westville, N. J. Filed Jan. 17, 1925. Serial No. 3,182. 17 Claims. (Cl. 305—5.)

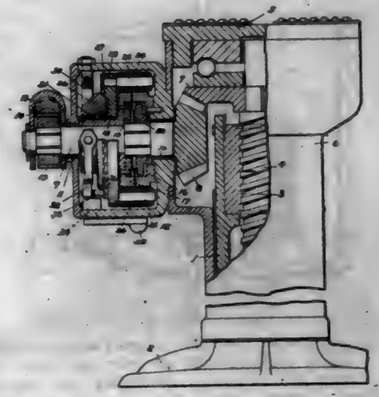


14. A wheel of the class described having spokes, a rim movable with respect to the spokes, means of engagement between the rim and spokes, stationary hub plates, means to secure said hub plates and spokes together, a movable hub plate associated with the first mentioned hub plates, an axle engaging said movable hub plate, cushioning means for said movable hub plate, and means driven by said axle to move said rim comprising a train of gearing, certain gears of said train being carried by a bearing pivoted on said axle and from means supported by said spokes.

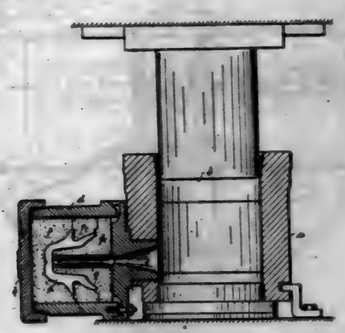
1,541,868. SELF-LOWERING LIFTING JACK. WALTER A. SPEAR, Dayton, Ohio, assignor to The Joyce-Cridland Company, Dayton, Ohio, a Corporation of Ohio. Filed Jan. 12, 1924. Serial No. 685,725. 19 Claims. (Cl. 254—103.)

1. In a lifting jack, a standard, a lifting element supported by said standard, a shaft connected with said

lifting element for rotation thereby when said lifting element is moved downwardly, a device to resist the rotation of said shaft by said lifting element, and planetary gearing interposed between said device and said shaft.



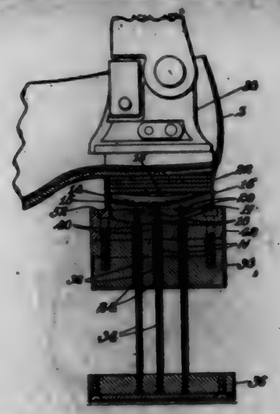
1,541,869. PROCESS FOR THE PRODUCTION OF CERAMIC WARE. RICHARD SPRENGER, Berlin-Heningsdorf, Germany. Filed Apr. 4, 1921. Serial No. 458,619. 3 Claims. (Cl. 25—156.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



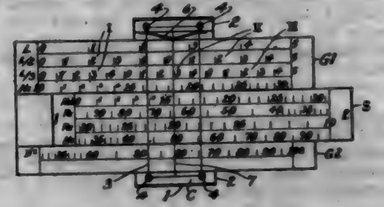
1. A process for the manufacture of ware from ceramic material and especially porcelain, consisting in applying pressure upon a mass of ceramic material within a container while the said material is in a plastic and non-fluid condition, extruding thereby a portion of the said mass from the container through an inlet into a mould, which inlet extends through a part of the mould into a position when the extended material is distributed to fill the moulding space, substantially as described.

1,541,870. ART OF ATTACHING HEELS. JOHN F. STANDISH, Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 12, 1922. Serial No. 528,686. 12 Claims. (Cl. 12—147.)

1. The method of attaching yieldable concave heels, which consists in relatively positioning a heel and the receiving surface of a shoe, applying pressure to bring a portion only of the inner surface of the heel and said receiving surface into contact, driving nails to attach the heel to the shoe, and bringing more of the inner surface of the heel into contact with the receiving surface.

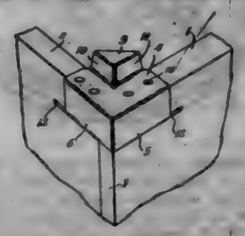


1,541,871. LOGARITHMIC CALCULATING DEVICE. FREDERICK O. STILLMAN, Melrose, Mass. Filed Apr. 17, 1922. Serial No. 554,348. 1 Claim. (Cl. 235—70.)
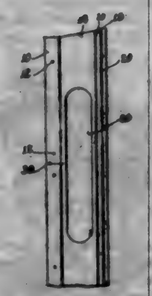


In a logarithmic calculating device having two members capable of parallel reciprocation with respect to one another, each of said members carrying a scale comprising two consecutive superposed portions of a continuous logarithmic scale, either of said two members having indicia to indicate which of the said two logarithmic portions contains the answer of a mathematical operation.

1,541,872. BOX OR CRATE. ROBERT STODDARD, Chicago, Ill., assignor to Milk Bottle Crate Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1924. Serial No. 728,170. 6 Claims. (Cl. 217—69.)



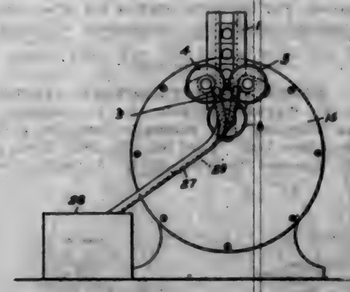
1. A device of the class described comprising a horizontal top adapted to contact with the top edge of a box or crate, and a vertical side adapted to contact with a side of said box or crate, said side terminating in a bent-in lug adapted to engage in a slot in said box.

1,541,873. WEATHER STRIP FOR WINDOWS. HENRY A. TAYLOR, Morris, Ill., assignor of one-half to William R. Allen, Morris, Ill. Filed June 21, 1922. Serial No. 570,026. 3 Claims. (Cl. 20—69.)



1. A weather strip comprising a body portion apertured to fit over a sash pulley, the portion extending along one side of said aperture being cut through for letting the sash cord in laterally when installing the strip.

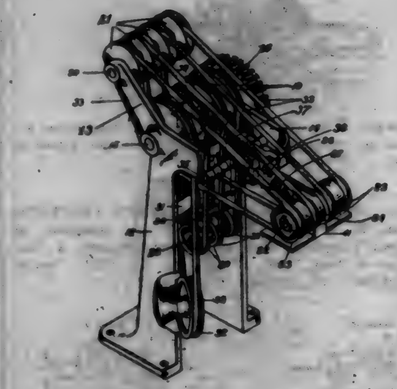
1,541,874. NUT AND BOLT ASSEMBLING MACHINE. CHARLES C. THOMSON and JAMES CRAIG, Butler, Pa. Filed Mar. 1, 1924. Serial No. 696,189. 11 Claims. (Cl. 10—155.)



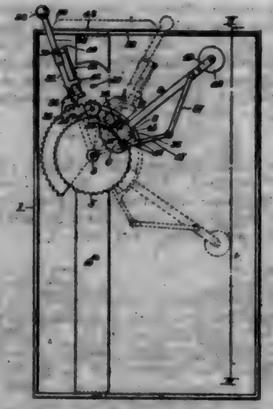
4. In a nut-and-bolt assembling machine the combination with a seat for a nut, of a pair of rotatable rollers borne on parallel axes and adapted to be held yieldingly to position for engaging a bolt advancing to a nut in place within said seat, means for rotating said rollers, and a third roller idly mounted on an axis parallel with the axes of the pair of rollers first named and adapted to cooperate with the said first-named pair of rollers, to sustain a bolt in position between the pair and in alignment with a nut in place on said seat.

1,541,875. MACHINE FOR AND METHOD OF LASTING SHOES. EVERETT W. VARNEY, Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 21, 1920. Serial No. 404,983. 56 Claims. (Cl. 12—12.)

1. That improvement in the art of working shoe uppers over lasts which consists in simultaneously and uninterruptedly rubbing an upper at one side of a last at a plurality of adjacent locations, and then simultaneously and uninterruptedly overwiping upon an inner sole the upper on the same side of the last at a plurality of adjacent locations.



1,541,876. MOTOR RESETTER. MORRIS VICTORSOHN, Brooklyn, N. Y. Filed Apr. 17, 1922. Serial No. 554,278. 18 Claims. (Cl. 185—39.)

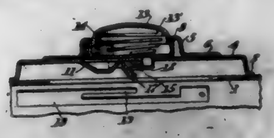


1. The combination with a member to be rotated, of a ratchet carried thereby, an arm carrying a pawl to engage said ratchet, a weight on the arm for actuating said member, a resetting lever pivoted concentrically to said member, and means of connection between said lever and arm for raising the latter.

1,541,877. ELECTRICAL SWITCH. LEE J. VOORHEES, Binghamton, N. Y., assignor to National Carbon Company, Inc., a Corporation of New York. Filed May 27, 1921. Serial No. 473,216. 8 Claims. (Cl. 200—60.)

1. A switch mechanism comprising a contact arranged to be depressed and to be moved laterally, a spring

member separate from the contact and adapted to support the same, means for depressing the contact when



said contact is moved laterally, and a conductor arranged to be engaged by the contact when the latter is depressed.

1,541,878. SINGLE POLAR TELEGRAPH CIRCUITS. EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 21, 1921. Serial No. 516,868. 20 Claims. (Cl. 178—2.)



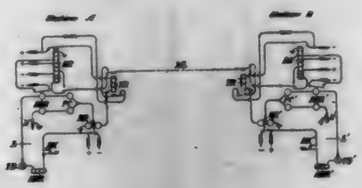
1. In a signaling system, a line circuit, terminal stations, transmitting apparatus and receiving apparatus at each terminal station, switching means connecting the line circuit to the transmitting apparatus at one station and the receiving apparatus at the other station during non-signaling condition so that signals may be transmitted in one direction, means for normally maintaining said connections during times that no signals are being transmitted in either direction and means whereby said switching means may connect the line to the transmitting apparatus at said last mentioned station and to the receiving apparatus at said first mentioned station for transmitting signals in the opposite direction in response to the actuation of the transmitting apparatus at said second station.

1,541,879. SINGLE POLAR TELEGRAPH CIRCUITS. EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 21, 1921. Serial No. 516,869. 12 Claims. (Cl. 178—2.)



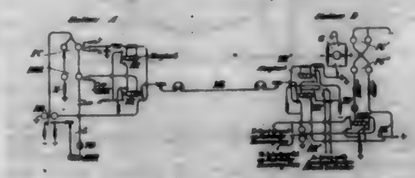
1. In a signaling system, a line circuit, terminal stations at each end of said line circuit, each terminal station having transmitting apparatus and receiving apparatus thereat, switching devices at each station for connecting the transmitting apparatus to the line at one station and the receiving apparatus to the line at the second station, so that signaling currents may be transmitted over the line in one direction, said switching devices also functioning to connect the transmitting apparatus to the line at the second station, and the receiving apparatus to the line at the first station to transmit signaling currents over the line in the opposite direction and polar relays at each station for controlling said switching devices, said polar relays being unresponsive to normal signaling currents but being responsive to abnormal signaling conditions produced by the transmitting apparatus.

1,541,880. SINGLE POLAR TELEGRAPH CIRCUITS. EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 21, 1921. Serial No. 516,870. 7 Claims. (Cl. 178—2.)



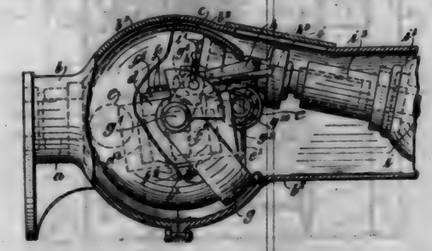
1. In a signaling system, a line circuit, terminal stations at each end of said line circuit, each terminal station having transmitting apparatus and receiving apparatus thereat, switching devices at each station for connecting the transmitting apparatus to the line at one station and the receiving apparatus to the line at the second station during non-signaling condition, so that signaling current may be transmitted over the line to one station, means for normally maintaining said connections during times that no signals are being transmitted in either direction, means controlling said switching devices to connect the transmitting apparatus to the line at the second station and the receiving apparatus to the line at the first station in response to the actuation of said transmitting apparatus at said second station to transmit signaling currents to the other station, said means comprising break relays at each station for controlling such switching devices, the break relay at one station being maintained energized by ordinary signaling currents, and the break relay at the other station being deenergized during the transmission of signaling currents.

1,541,881. SINGLE POLAR TELEGRAPH CIRCUITS. EDWARD F. WATSON, Yonkers, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 21, 1921, Serial No. 516,871. Renewed Oct. 22, 1924. 3 Claims. (Cl. 178—2.)



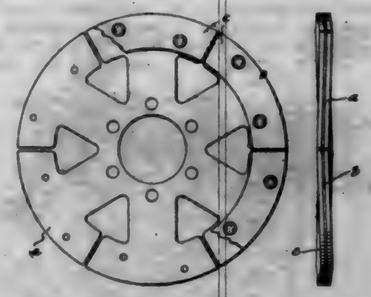
1. In a signaling system, a line circuit, terminal stations at each end of said line circuit, transmitting apparatus and receiving apparatus at each terminal station, a local subscriber's loop extending from one of said terminal stations to a subscriber station, telegraph apparatus at the subscriber station whereby the transmitting apparatus at the corresponding terminal station may be controlled from the subscriber station over the loop and whereby the telegraph apparatus will respond to the receiving apparatus at the terminal station, telegraph apparatus at the other terminal station directly controlled by the transmitting and receiving apparatus thereat, and means whereby during non-signaling condition the transmitting apparatus at one terminal station will be associated with the line, and the receiving apparatus at the other terminal station will be associated with the line for transmission in one direction, and for transmission in the opposite direction the connections will be reversed.

1,541,882. TRANSMISSION DEVICE. CARL W. WEIMS, Brooklyn, N. Y., assignor of one-half to Clarence B. Sturges, Fairfield, Conn. Filed May 31, 1922. Serial No. 564,700. 16 Claims. (Cl. 74—26.)



1. A power transmission device comprising a support, a rotating body having a spherical bearing surface supported in fixed relation to said support, a main frame supported on an axis transverse to the axis of the rotating body and capable of being rocked on said axis, a secondary frame hinged on the main frame, a second rotating body supported by the secondary frame and having a driving engagement with said spherical bearing surface, a transmission shaft supported by the secondary frame, and co-acting gears carried by said second named rotating body and the transmission shaft respectively.

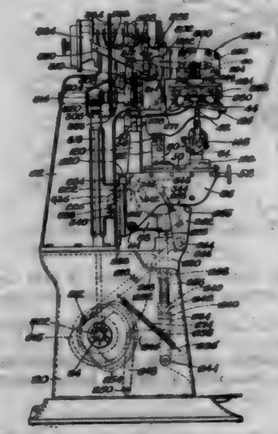
1,541,883. CLUTCH DISK. ERNEST E. WEMP, Detroit, Mich. Filed Feb. 15, 1924. Serial No. 693,054. 9 Claims. (Cl. 192—107.)



3. A clutch disk, comprising a plate divided into spokes by slots enlarging from the center outward, each of the spokes being permanently twisted along a radial line.

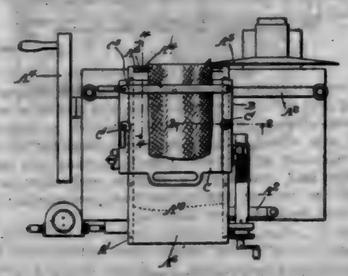
1,541,884. MACHINE FOR USE IN THE MANUFACTURE OF SHOES. ERASTUS B. WINSLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 22, 1919. Serial No. 319,272. 39 Claims. (Cl. 12—17.)

3. A machine for use in the manufacture of shoes provided with short outsoles having a concavity between a tongue and the main body at the heel seat end thereof, having, in combination, a shoe supporting jack, a gaging device having a lug constructed and arranged to enter the said concavity in the outsole of a shoe supported on



the jack to locate the sole in its own plane relatively to the shoe, and a nailing device for securing the sole to the shoe.

1,541,885. SLICING MACHINE. WALLACE B. WOLFF, Chicago, Ill. Filed Aug. 25, 1924. Serial No. 733,894. 6 claims. (Cl. 146—102.)

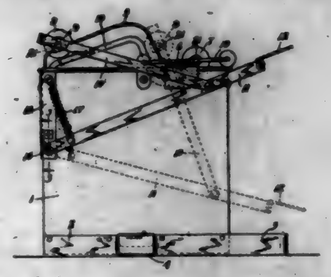


6. In a slicing machine comprising a cutting element, a meat carriage and a meat support mounted thereupon, and adapted to be moved forwardly thereupon, a cover for said meat carriage comprising a single plate covering the entire top of the carriage, said plate extending forwardly above and beyond the front of the carriage frame and being downwardly turned about the rear edge of the carriage, its forward edge being upwardly off-set from the body of the plate, the off-set portion being corrugated.

1,541,886. MOP PAIL AND WRINGER. FERDINAND R. WOLTER, Minneapolis, Minn. Filed June 8, 1922. Serial No. 566,688. 5 Claims. (Cl. 15—262.)

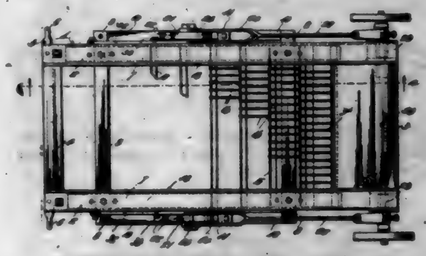
1. A mop pail and wringer device having in combination, a pail, a local roller journaled at the top edge thereof adjacent one side of the pail, spaced parallel rails extending substantially horizontally from said local roller then upwardly and then downwardly to the opposite side of said pail, a movable roller, axially extending journals at the ends thereof, an arm extending across the end of each of said journals at one side of said rails and having its ends bent parallel to said arm and apertured to

receive each of said journals at the other side of each of said rails, U-shaped clips secured to said journals and extending under said rails, and means including a



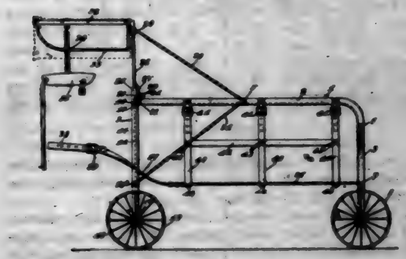
treadle bail to which the free ends of said arms are connected for moving said movable roller and clips along said rails.

1,541,887. SCREEN. HERMAN F. WULLSTEIN, Salt Lake City, Utah. Filed Feb. 1, 1924. Serial No. 690,046. 16 Claims. (Cl. 83—56.)



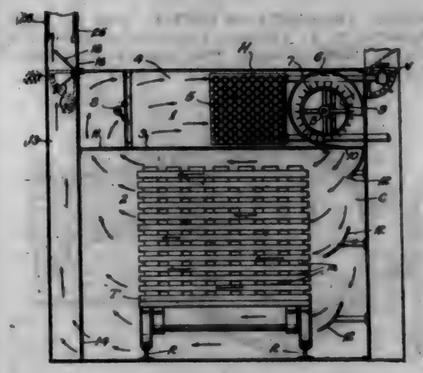
1. A screening device comprising a screen, means for thrusting said screen upwardly when said means is moved to a predetermined position and released, a rotatably mounted cam wheel having peripheral cams for so moving and releasing said screen thrusting means, and means for turning said cam wheel a distance equivalent to the length of one cam at spaced intervals, permitting it to remain inert between such intervals.

1,541,888. COTTON-PICKER'S TRUCK. JOHN L. AERILL, Lexington, Tenn., assignor of one-half to J. W. Roberts, Lexington, Tenn. Filed Jan. 22, 1923. Serial No. 614,243. 9 Claims. (Cl. 280—29.)



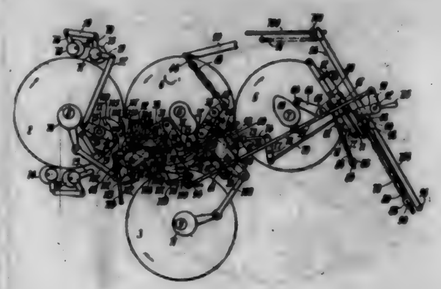
1. In a device of the class described, a truck comprising a wheel-mounted frame; a steering means for the truck, including an elevated part; and means assembled with said part for aiding in supporting the body of an operator whilst the operator is standing on the ground.

1,541,889. DRYING APPARATUS. HENRY BAKER, St. Louis, Mo. Filed Sept. 25, 1922. Serial No. 590,477. 9 Claims. (Cl. 34—46.)



1. A drier comprising a suitable casing or chamber, said chamber being divided longitudinally into a series of juxtaposed sections, each of said sections being divided into a fan compartment and a drying compartment in superposed relation, a fan in each fan compartment operating to circulate air through the drying compartment of the section, and means for causing the air to circulate through the drying compartment in substantially horizontal paths.

1,541,890. PRINTING-PRESS-TRIPPING MECHANISM. WILLIAM H. BANNETT, Bergenfield, N. J., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Sept. 11, 1923. Serial No. 662,043. 16 Claims. (Cl. 101—140.)



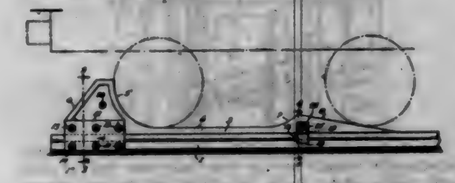
1. In tripping mechanism for a printing press in which a form cylinder is mounted in eccentric bearings for movement toward and from an impression cylinder, the combination of a rocking yoke, pawls pivotally mounted in opposite ends respectively of said yoke, a trip block mounted for reciprocation between said pawls and having means for engaging said pawls for rocking said yoke, a movable cam in coacting relation with said pawls, said cam being adapted for governing the operative relation of said pawls and trip block, means for urging said pawls to engagement with said cam and trip block, means for reciprocating said trip block, means operatively connecting said yoke and said eccentric bearings, and means for actuating said cam.

1,541,891. CIGAR AND CIGARETTE HOLDER. JOHN F. BECKER, Dubuque, Iowa. Filed Oct. 31, 1924. Serial No. 747,004. 8 Claims. (Cl. 131—51.)



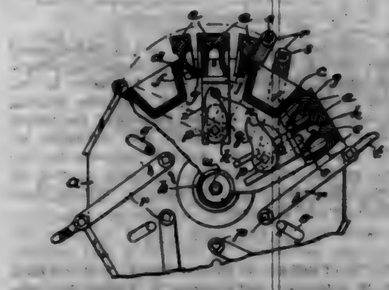
1. In a device of the character described, a mouthpiece, and a casing carried thereby, said casing having its end turned in to provide an outwardly flared opening of less diameter than the diameter of the casing.

1,541,892. CAR STOP. GEORGE H. BEIN, Cleveland, Ohio. Filed Mar. 25, 1925. Serial No. 18,113. 4 Claims. (Cl. 104—260.)



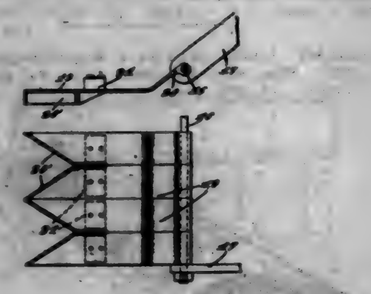
1. A car stop of the character set forth comprising a pair of stop members adapted to be fastened one to each rail of a railway track at opposite points, each stop member having at one end an arcuate portion adapted to receive a car wheel and at the opposite end an inclined portion rising from the top of said rail, one end of each of said members having a recess adapted to receive the top and side of said rail, a clamping plate having a recess adapted to receive the opposite side of said rail, means for fastening said plate and member together about said rails, and means for fastening the opposite end of each of said members to its respective rail.

1,541,893. ICE-CREAM-CONE-BAKING MACHINE. LOUIS BERSON, Philadelphia, Pa., assignor, by direct and mesne assignments, to Philadelphia Ice Cream Cone Machinery Company, a Corporation of Pennsylvania. Filed Feb. 21, 1923. Serial No. 620,333. 3 Claims. (Cl. 107—58.)



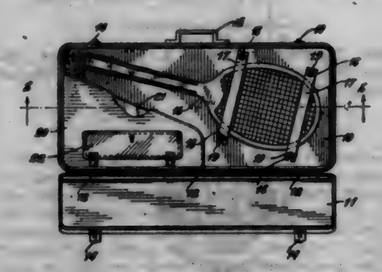
3. In an ice cream cone baking machine, the combination with a pair of frame members, spacing blocks supported by said members, female mold members supported by said spacing blocks, a cam pivotally supported by each of said frame members adjacent the ends of said mold members, a crank in operative connection with each of said cams and extending above said mold members, and a rod extending above said mold members and affording a connection between said cranks whereby said cranks may be operated to operate said cams simultaneously to lift said mold members.

1,541,894. CULTIVATOR BLADE. CLAIBOURN BEVILL, Bushnell, Fla. Filed Oct. 27, 1922. Serial No. 597,359. 1 Claim. (Cl. 97—201.)



A cultivator including a plurality of blades, each of the blades having a diagonally disposed rear end, and flanges extending at right angles to the blades and formed along one edge thereof and along the diagonally disposed rear end.

1,541,895. CONTAINER FOR TENNIS RACKETS AND THE LIKE. ROBERT S. BLAIR, Stamford, Conn. Filed Oct. 19, 1922. Serial No. 595,534. 5 Claims. (Cl. 273—74.)



2. A container for tennis rackets comprising in combination, a substantially tight casing, means therein adapted to support a tennis racket, a compartment within said casing adapted to receive a moisture absorbtive material, and means separating the interior of said compartment from the remainder of the interior of said casing adapted to permit access to said absorptive material of the air about said tennis racket and adapted to prevent exit of said material from said compartment toward said tennis racket.

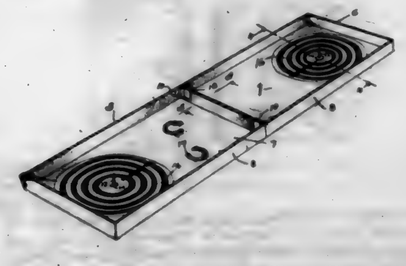
1,541,896. FORM CLAMP. GEORGE B. BOSCO, Chicago, Ill. Filed Nov. 26, 1923. Serial No. 677,041. 8 Claims. (Cl. 24—19.)



2. A clamp comprising a flexible tie element, a collar mounted on said element and adapted for adjustment along said element, a locking dog pivotally mounted on said collar and adapted to coact with said tie element

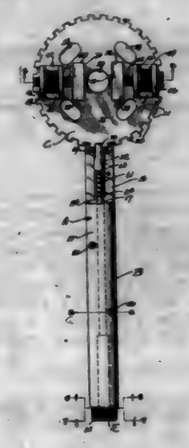
for clamping said collar thereto, and a detachable tool arranged to grip said tie element and being adapted to be fulcrumed on said locking dog for pulling said element relative to said collar.

1,541,897. GAME. WILLIAM L. BUEDINGEN, Milwaukee, Wis. Filed Sept. 10, 1923. Serial No. 661,977. 1 Claim. (Cl. 273—100.)



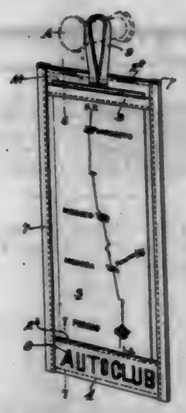
A game of the class described comprising a pair of telescopic container sections adapted to form a unitary parcel when not in use, a pin arranged vertically within one end portion of each section and to which playing members are thrown, and said sections adapted to be secured end to end when in use to position the pin of one section a distance from the other, said distance being dependable upon the length of each section.

1,541,898. WRENCH. GEORGE J. CHAMBERLAIN, Milwaukee, Wis. Filed Feb. 5, 1924. Serial No. 690,820. 2 Claims. (Cl. 81—62.)



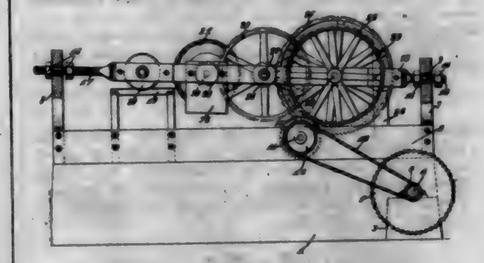
1. In a wrench construction the combination of a supporting member, jaws slidably carried by said supporting member in a fixed path of travel, screw threaded shanks carried by said jaws, frames carried by said supporting member providing spaced walls, having apertures therethrough for receiving the screw threaded shanks of the jaws therethrough, and units carried in the frames between the walls thereof having screw threaded bores therein for adjustably receiving the screw threaded shanks of said jaws whereby upon rotation of said nuts the jaws will be independently adjusted with respect to each other.

1,541,899. VISIBLE-MAP CONTAINER. GEORGE P. CHAPMAN, Long Beach, Calif. Filed May 26, 1924. Serial No. 716,929. 5 Claims. (Cl. 40—16.)



1. A map-sack for tourists' maps, having an open unobstructed mouth at its top end; one lip of the mouth being off-set above the other and having a suspending loop, the map-sack having a transparent panel through which a map in the sack is visible.

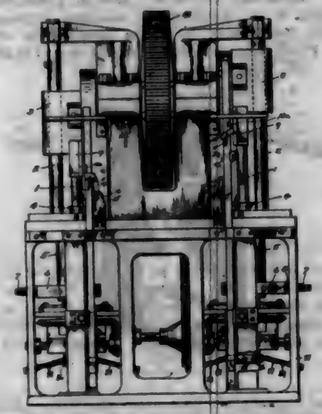
1,541,900. MOTOR. CALVIN F. CHRISTOPHER, Canton, N. C. Filed Aug. 29, 1924. Serial No. 735,020. 4 Claims. (Cl. 74—7.)



1. The combination with a shaft, gears thereon, and an element driven by said shaft, of supporting shoes, a movable frame, a transverse shaft journaled in the frame, wheels secured thereto and normally bearing upon the shoes to support one end portion of the frame, driving gears secured to the shaft and normally engaging the first named gears, movable supports for the other end portion of the frame, a motor carried by the frame, and means for transmitting motion from the motor to the driving gears.

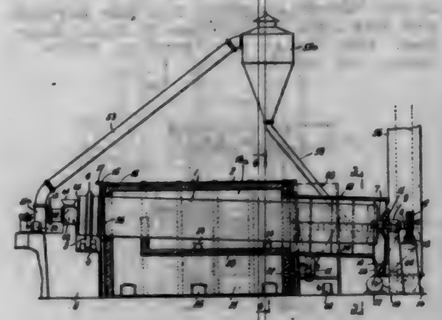
1,541,901. MATERIAL-COMPRESSING MACHINE. ROBERT B. COLEMAN and GEORGE C. HUMPHREY, Los Angeles, Calif., assignors, by direct and mesne assignments, of one-twentieth to Dade D. Sayer, one-twentieth to Dade D. Sayer, trustee, and two-twentieths to John B. Dawson, all of Los Angeles, Calif., and sixteen-twentieths to By-Products Fuel Machine Co., Los Angeles, Calif., a Corporation of California. Filed Sept. 26, 1922, Serial No. 590,708. Renewed Dec. 26, 1924. 9 Claims. (Cl. 100—20.)

1. In a machine of the character referred to, the combination with a reciprocating element, and means for operating the same, of a trip bar, a latch thereon adapted to be moved into the path of said reciprocating element to be engaged thereby for moving said bar, means for moving said latch member, when released, into operative position, a holding member engaging said latch member and holding it in inoperative position, a pivoted member for moving the same to release said



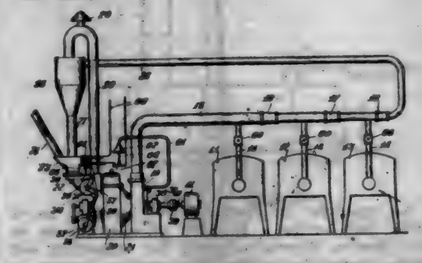
latch member, means for hooking onto said pivoted member for operating it intermittently to release said latch member, and means on said bar adapted to be engaged by said reciprocating element for returning said bar to its normal position.

1,541,902. DRIER. HARRY RAYMOND COLLINS, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Apr. 26, 1922. Serial No. 556,679. 18 Claims. (Cl. 34—6.)



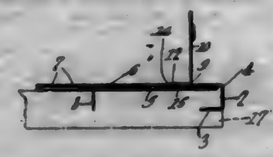
1. A drier including a tubular casing or shell which is rotatably mounted and is constructed and arranged to receive material to be dried at one end thereof and to carry it to the other end of the casing for discharge, and a furnace for supplying heat to dry the material in the casing as it passes therethrough, the furnace having a combustion chamber and a passage for the gases of combustion, and the shell being mounted to extend through said passage and to project outside the furnace at both ends thereof, an extension casing connected to the furnace and communicating with said passage by which the discharge end of the shell is housed, the passage and extension casing being constructed and arranged to constrain circulation of the gases of combustion about the exterior surface of the shell from its feed end throughout to its discharge end, around the latter, thence through the shell to the feed end thereof, and means for causing circulation of the heating gases, substantially as described.

1,541,903. MEANS FOR PULVERIZING, FEEDING, AND BURNING FUEL. JOB CRITES, Evanston, Ill., assignor to Raymond Brothers Impact Pulverizer Co., Chicago, Ill., a Corporation of Illinois. Filed Apr. 25, 1924. Serial No. 708,908. 12 Claims. (Cl. 110—106.)



1. A system of the class described, comprising a pulverizing mill, a conduit leading directly from the mill to a furnace for carrying pulverized fuel to the furnace by air flotation, means for conducting back to the mill the surplus air and fuel, and means controlled by the air pressure in the mill for regulating the feed of fuel to the mill.

1,541,904. WINDOW SHADE AND CURTAIN FIXTURE. EDWIN C. CURTIS, Kingston, and GEORGE H. REYNOLDS, Wyoming, Pa. Filed Aug. 20, 1924. Serial No. 733,191. 1 Claim. (Cl. 156—24.)

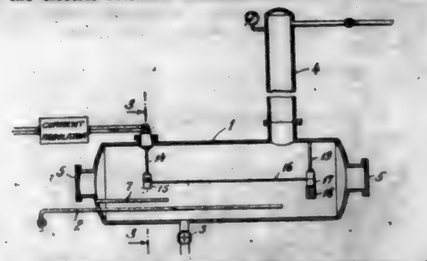


A window shade and curtain fixture comprising a body in the form of a plate, the constituent material of the body being distorted to form raised flanges along the longitudinal edges of the body and to form an inwardly extended longitudinal rib located between the flanges, there being an inwardly extended prong struck from the rib and disposed approximately at right angles to the rib, the body being supplied at one end with a flange disposed approximately at right angles to the body, the last-specified flange being provided with an inwardly extended prong disposed about at right angles to the prong of the rib and about parallel to the rib, there being notches at the point of juncture between the body and the last-specified flange, transverse seats being formed in the outer surfaces of the first-specified flanges; and a bracket comprising a wing and a base, the base being supplied at its free end with a pawl which is adapted to engage in the seats of the first-specified flanges, the base of the bracket being mounted to slide on the outer surfaces of the first-specified flanges of the body, the base having underlying fingers engaged beneath the first-specified flanges of the body, on opposite sides of the rib, the fingers being adapted to pass through the notches when the bracket is mounted on the body and when the bracket is disengaged from the body.

1,541,905. METHOD AND APPARATUS FOR CRACKING OILS. JOSEPH GEORGE DAVIDSON, Pittsburgh, Pa., assignor to C. H. Conner, New York, N. Y. Filed Nov. 30, 1921. Serial No. 518,786. 6 Claims. (Cl. 196—121.)

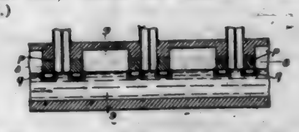
1. The method of cracking oils with internal electrical heating of the oil which comprises supplying the current initially through nuclei resistors and causing the resistors to build up by carbon deposits thereon during

the cracking operation, regulating the electric current and decreasing the voltage as the cross sectional area of the electric resistors increases.



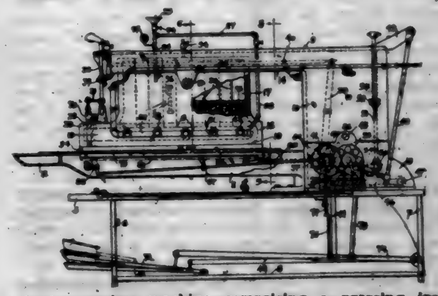
6. An apparatus for cracking oils comprising an oil cracking still having a plurality of small nuclei resistors therein, detachable means for supporting said resistors, means for supplying alternating current to said resistors comprising a plurality of insulated leads introduced through a single opening in the still, and said resistors being spaced apart to permit the building up of carbon thereon progressively during the cracking operation until large massive resistors are formed by such deposit.

1,541,906. FURNACE FOR USE IN THE MANUFACTURE OF SHEET GLASS BY VERTICAL DRAWING. ERNEST DELACUVELLERIE, Dampremy, Belgium, assignor to Société Anonyme "Brevets Fourcault," Dampremy, Belgium, a Corporation of Belgium. Filed Apr. 16, 1923. Serial No. 632,500. 1 Claim. (Cl. 49—17.)



An improvement in furnaces for use in the manufacture of glass sheets by vertical drawing and consisting essentially in the addition of a homogeneous piece of refractory material of suitable section which is placed directly under the bridge pieces proper which exist in this type of furnace, the injurious corrosion of the joints of the usual bridge pieces being avoided and the particles or grains which become detached from the walls collecting on the said under additional pieces, the replacement of which additional pieces being effected without complete stoppage of the furnace and their protection assures perfect manufacture of the glass sheet without striations or cords.

1,541,907. PRESSING MACHINE. JACOB DENEMARK, Trenton, N. J. Filed Nov. 22, 1923. Serial No. 676,229. 8 Claims. (Cl. 68—9.)



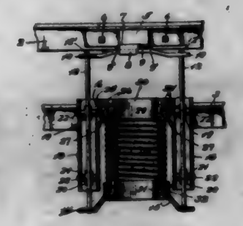
1. A pressing machine comprising a pressing iron, means for generating steam, a material feeding element beneath the iron, means for operating the feeding element, means for periodically introducing the generated steam to the material to be pressed, said means being operated by the feeding element operating means.

1,541,908. DISPLAY DEVICE. ADOLPH DIETSCHE, Jr., New York, N. Y., assignor to American Lithographic Company, New York, N. Y., a Corporation of New York. Filed Sept. 8, 1924. Serial No. 736,391. 5 Claims. (Cl. 40—7.)



1. In a device of the character described the combination of a front, the upper portion of which extends transversely from the lower portion thereof, a top member articulated to and extending rearwardly from the lower edge of said upper portion of the front, a base member articulated to the lower edge of said front and extending rearwardly therefrom, said base member having a transversely extending ear at its rear, a back member articulated at its lower edge to an edge of the ear of said base member and at its upper edge to the rear edge of said top member.

1,541,909. SHOCK ABSORBER FOR BED BOTTOMS AND THE LIKE. BARTHOLOMEW F. EARLY, Boston, Mass. Filed July 14, 1923. Serial No. 651,561. 6 Claims. (Cl. 267—60.)

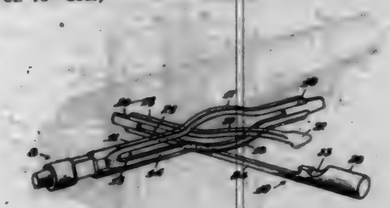


1. In combination, a supporting member comprising parallel members, a body member supported on said members, a coil spring having its upper end connected with said body member, guideways depending from said body member on opposite sides of said spring, a supported member, a pair of parallel guide rods depending from said supported member, and means connecting the lower ends of said rods with the lower end of said spring.

1,541,910. BROMINE SOLUTION. HANS FRIEDENTHAL, Berlin-Charlottenburg, Germany, assignor to Industrie-Verwaltung-Aktiengesellschaft, Berlin, Germany, a Stock Company of Germany. Filed May 10, 1924. Serial No. 712,429. 11 Claims. (Cl. 23—216.)

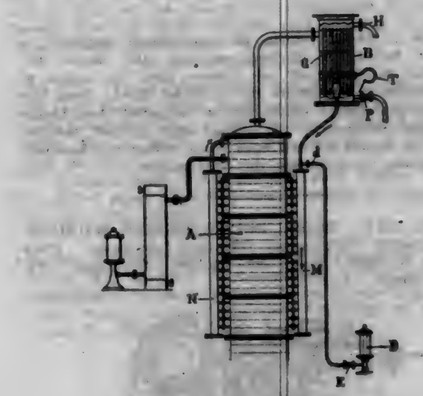
1. The process of dissolving bromine, which consists in dissolving the same in aqueous solutions of sulphocyanic acid combinations.

1,541,911. DRILL JAR AND THE METHOD OF MAKING SAME. RICHARD ARMOUR, Los Angeles, Calif. Filed Oct. 4, 1923. Serial No. 666,464. 2 Claims. (Cl. 76—101.)



1. In a drill jar, a rein having a pair of side members and joined together at one end thereof and adapted to be separated at their other ends, the separable end portions of the side members being scarfed to provide an interlocking joint, and said scarfed end portions being welded together along the interlocking joint.

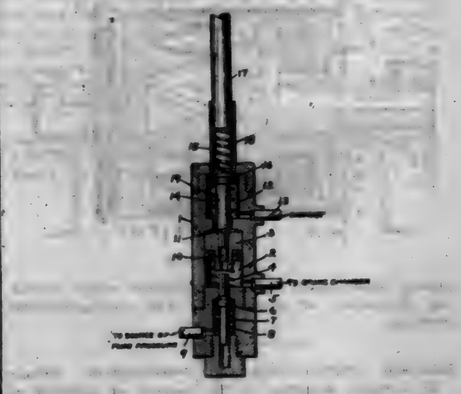
1,541,912. CONDENSING ARRANGEMENT OF RECTIFYING APPARATUS. EMILE AUGUSTIN BARBET, Paris, France. Filed Feb. 2, 1920. Serial No. 355,548. 4 Claims. (Cl. 196—13.)



1. In combination with a rectifying column, a tubular condensing and cooling apparatus, means for withdrawing a portion of the cooled condensate from said apparatus elements in contact with the liquid within the column, means for leading the remainder of the cooled condensate from said apparatus to said elements, and means for feeding said condensate after passage through said elements to the head of the rectifying column.

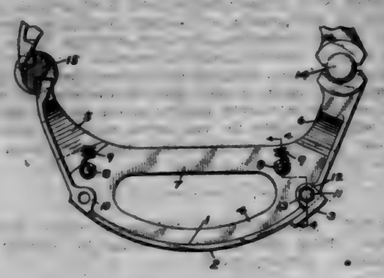
1,541,913. AUTOMOTIVE BRAKE-CONTROL VALVE. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Apr. 11, 1922. Serial No. 551,713. 1 Claim. (Cl. 303—54.)

In an automotive fluid pressure brake, a controlling valve device comprising a valve for controlling the supply of fluid under pressure for applying the brakes, an exhaust valve, a piston intermediate said valves for



operating the supply valve, and a manually operated push rod for operating said exhaust valve and piston.

1,541,914. BRAKE-SHOE HEAD. JOHN R. BARTHOLOMEW, Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Feb. 3, 1923. Serial No. 616,848. 3 Claims. (Cl. 188—236.)

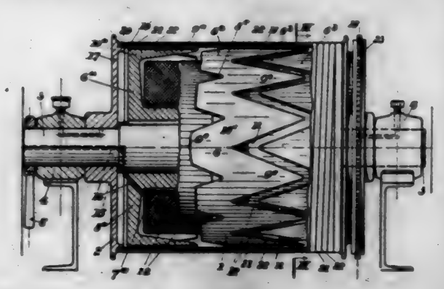


2. The combination with a brake shoe provided with a depending side lug at each end, of a brake head having an arcuate face for receiving said shoe and screw threaded studs carried by said head for securing said lugs to the brake head.

1,541,915. ELECTROMAGNETIC SEPARATOR. JULIUS BINO, Eisenach, Germany, assignor to the Firm Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Filed Nov. 10, 1924. Serial No. 749,060. 23 Claims. (Cl. 83—71.)

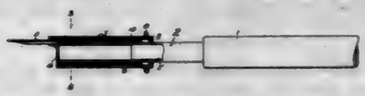
1. Electro-magnetic separator comprising: a magnet system; a drum enclosing said magnet system and rotatable relatively to it; the magnet poles of said system

lying substantially in a cylindrical surface coaxial to said drum and having edges lying obliquely to the generatrix of said cylindrical surface; said drum com-



prising substantially helically arranged strips consisting alternately of magnetizable and nonmagnetizable material.

1,541,916. PENHOLDER AND PROTECTOR. PHILIP M. BIONDO, Brooklyn, N. Y., assignor of one-third to Joseph Messina and one-third to Charles Ciravola, both of Brooklyn, N. Y. Filed Dec. 8, 1923. Serial No. 679,871. 2 Claims. (Cl. 120—98.)



1. A pen holder and protector, comprising a handle, a tubular member extending from one end of the handle, a tubular pen guard secured to the front end of said tubular member and surrounding the tubular member for an appreciable part of its length, a pen sleeve surrounding said tubular member and positioned to reciprocate in said guard, said sleeve having an overlapping portion presenting clamping members for a pen, and a hand operated member connected to one end of said pen sleeve, said hand operated member being formed with means readily grasped whereby the sleeve and pen carried thereby may be moved so that the pen pen will be beneath the pen guard when the parts are in one position and projecting therefrom when the parts are in a second position.

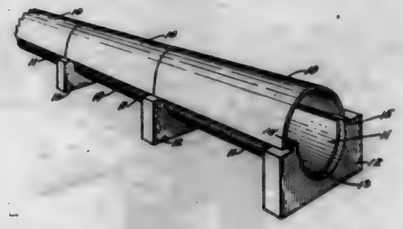
1,541,917. ROD SOCKET. DAVID W. BOWE, Detroit, Mich. Filed July 19, 1923. Serial No. 652,611. 3 Claims. (Cl. 25—131.)



1. Rod supporting means comprising a pair of castings, one having a laterally projecting seat in its inner face with closed rear ends, and the other having a similar seat open at its rear end.

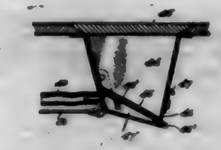
1,541,918. DRAINAGE TILE. JOHN W. BRENNAN, Denver, Colo. Filed Apr. 27, 1923. Serial No. 635,057. 8 Claims. (Cl. 61—16.)

1. A hollow drainage tile, comprising in combination, an upper semi-cylindrical section; a lower semi-cylindrical section coacting with and of less diameter than said upper section, the edges of said coacting sections overlapping; a longitudinal opening between said overlapped edges and blocks arranged to support



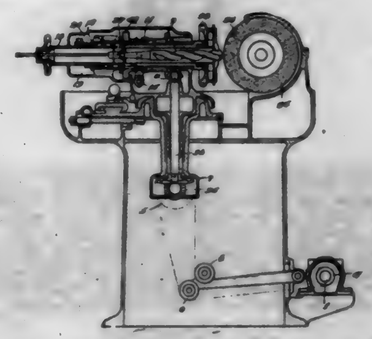
both said upper and lower sections and holding said sections in spaced relation and out of contact with each other.

1,541,919. SEED AND FERTILIZER SCATTERER. EDWARD R. BRIGGS, Berkeley, Calif. Filed Mar. 31, 1924. Serial No. 703,161. 2 Claims. (Cl. 275—2.)



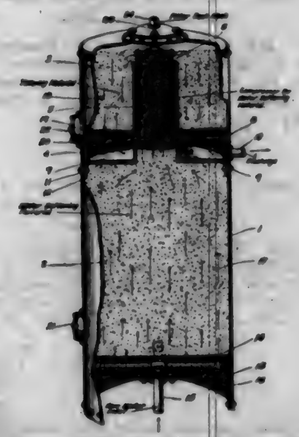
2. In a motor vehicle for agricultural purposes, a hopper having a discharge-opening, and means for utilizing the power of the exhaust from the motor of the vehicle to distribute the material falling from the hopper, said means embodying an elongated blast nozzle arranged underneath the hopper and pivoted thereto, so as to permit its exit edge to be raised and lowered, and means for actuating the blast nozzle.

1,541,920. SPIRAL-DRILL-GRINDING MACHINE. HEINRICH BRITTINGER, Offenbach, Germany. Filed May 5, 1923. Serial No. 636,990. 8 Claims. (Cl. 51—219.)



1. In a spiral drill grinding machine, a drill holder spindle, mounted rotatably, a cam disc arranged revolubly with said spindle, a stationary slide, means being provided for interconnecting the said parts in such manner, that said cam disc, while revolving with said spindle, simultaneously produces oscillating and reciprocating motion of said spindle.

1,541,921. WATER SOFTENER AND FILTER. JOHN E. CAPS, Wilmette, Ill. Filed May 5, 1923. Serial No. 636,861. 5 Claims. (Cl. 210—24.)



1. In a device of the class described, a casing having an inlet at the bottom and an outlet intermediate its ends, a hollow casting co-extensive in cross section with the casing, and having a hollow portion communicating with the outlet, one wall of the casting having openings whereby communciation may be established between the casing and the hollow portion of the casting, the casting having a central upstanding tubular neck, terminating short of the top of the casing, and a packer loosely mounted in the tubular neck, adapted to bear upon material in the lower chamber.

1,541,922. LEATHERBOARD FELT. FRANKLIN V. CHANEY, Boston, Mass., assignor to Chaton Fibre Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 8, 1923. Serial No. 623,749. 3 Claims. (Cl. 92—3.)

1. A leatherboard felt comprising 40% leather fibre, 20% mixed paper fibre, 30% coarse animal or vegetable fibre, and 10% binder.

1,541,923. BOUQUET. IRA W. CUNNINGHAM, St. Louis, Mo., assignor to Cunningham & Cade, a Copartnership composed of myself and Byron Cade, sr., doing business at St. Louis, Mo. Filed July 14, 1924. Serial No. 725,971. 1 Claim. (Cl. 24—5.)



A corsage adapted for display upon the wrist and including a cluster of flowers secured together at their stems, in combination with a wrist-encircling band, a ribbon having engagement with the flower-cluster and with the band for both fastening the band intermediate its ends to the flower-cluster and decorating the flower-cluster, and means carried by and at the ends of the band for fastening the same about the wrist.

1,541,924. METHOD OF BENDING READILY-BREAKABLE METALS. ALEXANDRE L. DUVAL D'ADRIAN, Washington, Pa. Filed Apr. 26, 1921. Serial No. 464,729. 2 Claims. (Cl. 219—3.)

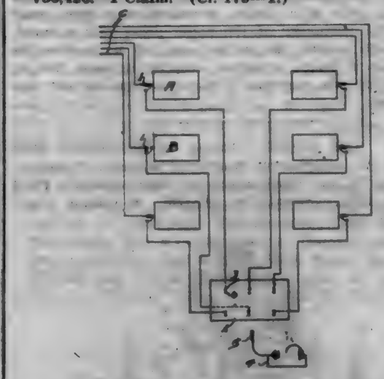
1. The herein described method of bending sections of wire formed of readily breakable metals such as tungsten and molybdenum, which consists in connecting one end of each section of wire to a form, then passing an electric current through the wire for heating it to a temperature at which it may be readily bent without liability of breakage, and bending the wire while thus heated about said form.

1,541,925. TRICK DECK OF CARDS. WILLIAM I. DAVIDSON, Long Beach, Calif. Filed May 24, 1923. Serial No. 641,090. 5 Claims. (Cl. 273—153.)



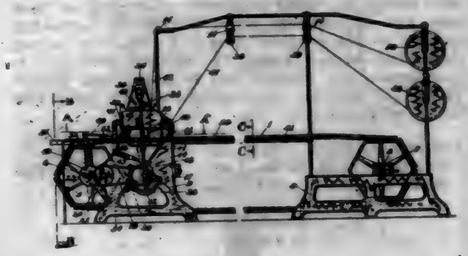
1. A trick deck of cards consisting of two groups which have differentiated end edges whereby when the cards of the two groups are stacked in alternate positions the end edges of one group of the cards will provide means to receive pressure of the player's finger, or fingers, when applied to the end of the deck, the differentiation consisting in that the transverse end edges of the cards of one group are substantially burred.

1,541,926. TELEPHONE SYSTEM. WILLIAM F. DAVIDSON, St. Paul, Minn. Filed Aug. 6, 1924. Serial No. 730,426. 1 Claim. (Cl. 179—1.)



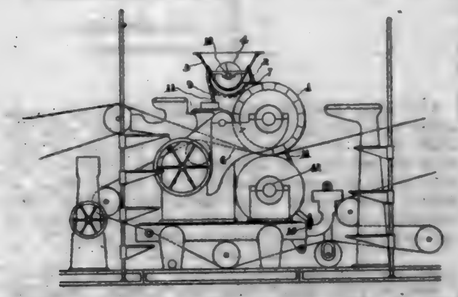
An office building telephone service system, comprising an incoming telephone line, a telephone set connected thereto in a tenant's office, a line from said telephone set to an outlet in a central switchboard, identifying means adjacent said outlet, and switch means operable from said tenant's office to route an incoming call directly to the central switchboard, or to the telephone set in the office of the tenant, at will.

1,541,927. MACHINE FOR USE IN MAKING BOXES. EDWARD F. DUNNE, JR., Morristown, N. J., assignor to Wirebounds Patents Company, a Corporation of Maine. Filed Nov. 7, 1921. Serial No. 513,529. 37 Claims. (Cl. 1—8.2.)



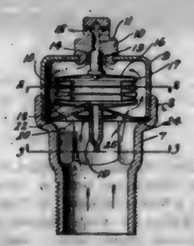
37. A machine for use in making wire-bound boxes comprising, in combination, binding-wire-applying means including fastener-setting mechanism operable at intervals upon moving box parts; means to position and feed box parts to said mechanism; and means to increase the extent of movement of the box parts between fastener-setting operations.

1,541,928. BROKE REMOVER FOR PAPER MACHINES. THOMPSON E. DURHAM, Sault Ste. Marie, Canada. Filed Apr. 30, 1924. Serial No. 710,136. 4 Claims. (Cl. 92—10.)



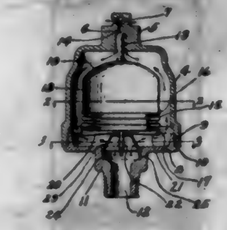
1. The combination with a paper machine provided with press rolls of a doctor extending into close proximity to the periphery of the upper press roll, a transverse trough behind the doctor adapted to receive the broke; and a helical conveyor located in said trough, the pitch of the conveyor increasing towards the discharge end.

1,541,929. AIR VALVE. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 4, 1921. Serial No. 442,536. 6 Claims. (Cl. 297—5.)



1. A device of the character described, comprising a closed shell having a head, said head being resilient and normally dished outward relative to the shell, the interior of said shell being rarefied to hold said resilient head flexed inward against its inherent resilient tendency to assume its normal outwardly dished position.

1,541,930. AIR VALVE. LEWIS W. EGGLESTON, Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Feb. 4, 1921. Serial No. 442,532. 3 Claims. (Cl. 236—63.)



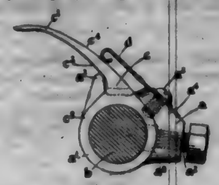
1. In a valve, the combination of a casing having inlet and outlet ports therein, a valve for controlling one of said ports, and means for operating said valve said means comprising a shell having a flexible body portion and a float portion and closed ends, one of said end portions being resilient and normally dished outwardly.

1,541,931. MEANS FOR PACKING CIGARETTES. GUNNAR CHRISTIAN EKSTRÖM and GUSTAF ÖRSTRÖM, Stockholm, and BROR ANDERS EMIL JOHNSON, Appelviken, Sweden, assignors to Aktiebolaget Gerh. Arehns Mekaniska Verkstad, Stockholm, Sweden, a Corporation of Sweden. Original application filed July 7, 1921, Serial No. 483,667. Divided and this application filed Nov. 17, 1924. Serial No. 750,475. 3 Claims. (Cl. 226—5.)

1. In a device for transmitting cigarettes from a cigarette making machine to a packing device the provision of means, which positively transfer the cigarettes from the cigarette producing members of the said machine to a flexible carrier and positively place the same into the said carrier, and a member, on which the said carrier, containing cigarettes, is wound.

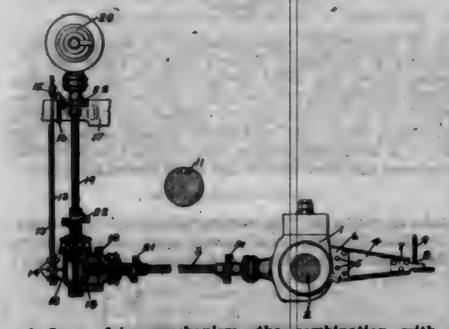
1,541,932. SHEET-GRIPPING MECHANISM OF PRINTING MACHINES. ARTHUR BURROUGHES EVANS, Leeds, England. Filed Nov. 26, 1924. Serial No. 752,376. 2 Claims. (Cl. 101—412.)

1. Sheet gripping means for printing presses comprising a rock shaft, a gripping finger loosely mounted on said shaft, a collar adjustably secured to the shaft and having a part projecting beneath said finger and



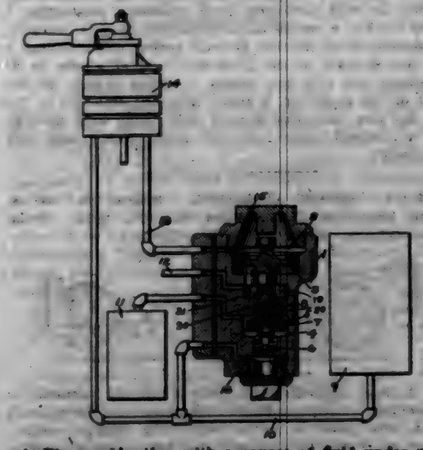
forming a stop for the same, and a spring normally holding the finger against said stop.

1,541,933. TRAIN-CONTROL DRIVE MECHANISM. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Mar. 24, 1922. Serial No. 546,525. 6 Claims. (Cl. 105—117.)



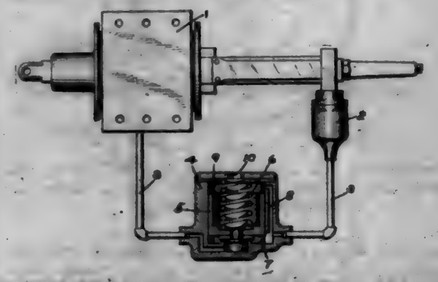
1. In a drive mechanism, the combination with a locomotive truck axle and a gear housing mounted on said axle, of a horizontal drive shaft extending from said housing, a vertical drive shaft, bevel gears for connecting the horizontal drive shaft with the vertical drive shaft, and flexible connections in each shaft.

1,541,934. RAIL-SANDING DEVICE. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Jan. 6, 1923. Serial No. 611,090. 6 Claims. (Cl. 291—14.)



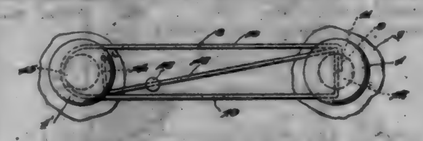
1. The combination with a source of fluid under pressure and a reservoir, of a sand valve device comprising a valve for controlling the supply of fluid from said reservoir to effect the sanding of the rails, a valve for controlling the supply of fluid from said source of fluid under pressure to said reservoir, and a piston operated by fluid under pressure for operating said valves.

1,541,935. SLACK ADJUSTER. CLYDE C. FARMER, Pittsburgh, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed June 24, 1924. Serial No. 722,020. 5 Claims. (Cl. 188—203.)



5. The combination with a brake cylinder and a slack adjuster operated by fluid supplied from the brake cylinder in applying the brakes, of valve means for controlling communication through which fluid under pressure is supplied from the brake cylinder to the slack adjuster and for controlling communication from the slack adjuster to an exhaust port.

1,541,936. FASTENER. IKLEY C. FIFE, Chicago, Ill. Filed Jan. 18, 1924. Serial No. 687,111. 2 Claims. (Cl. 24—93.)



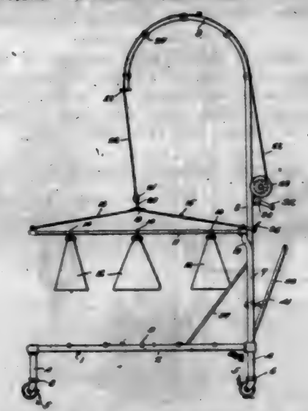
1. A fastener of the class described including knob members detachably connected to the body of a garment at pre-determined points, a loop member having one end connected with one of said knobs and its other end detachably engaged with the other knob, a yieldable arm carried by said loop and normally disposed at an oblique angle between the sides of the loop whereby the same may be moved laterally to permit insertion of the second loop within the loop, and a stop finger carried by said arm and adapted to be positioned in front of the second knob to retain said knobs in spaced relation with respect to each other.

1,541,937. CABLE INSTALLATION. HENRY W. FISHER and RALPH W. ATKINSON, Perth Amboy, N. J., assignors to Standard Underground Cable Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed July 8, 1920, Serial No. 395,574. Divided and this application filed Dec. 24, 1924. Serial No. 757,906. 3 Claims. (Cl. 175—294.)



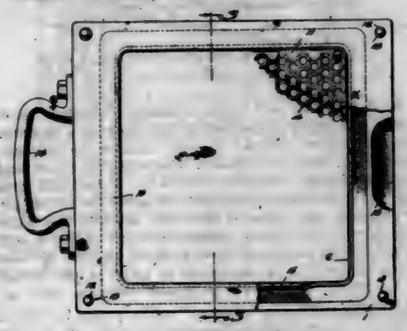
1. A high-tension electric transmission installation including a length of cable within which fluid bodies are maintained under pressure and means in communication with said cable length operated by reduction of pressure for disconnecting said cable length from associated parts of the installation, substantially as described.

1,541,938. HOSPITAL TRUCK. WILLIAM W. FREDERICK, Coshocton, Ohio. Filed June 12, 1924. Serial No. 719,596. 2 Claims. (Cl. 5—89.)



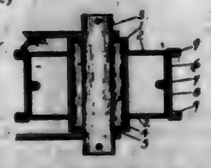
1. In a device of the class described, a truck including an upstanding derrick and an upstanding end member, the upper portion of the end member extending across the derrick to form a shoulder, a stretcher supported at one end on the shoulder against downward swinging movement and abutting against the derrick to prevent horizontal movement of the stretcher, latch means for holding the stretcher detachably engaged with the shoulder and the derrick, and means assembled with the derrick for raising and lowering the stretcher.

1,541,939. CAPSULE MOLD. JOSEPH L. GEORGE, Cincinnati, Ohio. Filed Dec. 13, 1924. Serial No. 755,800. 6 Claims. (Cl. 18—35.)



1. A plural cavity mold section, having dividing walls defining regular polygonal shaped openings, each wall of each opening being cupped midway between its junction with adjacent walls.

1,541,940. WHEEL FOR ROLLER-BEARING DRY-KILN TRUCKS. HERBERT B. GILLETT, Grand Rapids, Mich. Filed Sept. 23, 1921. Serial No. 502,775. 4 Claims. (Cl. 301—63.)



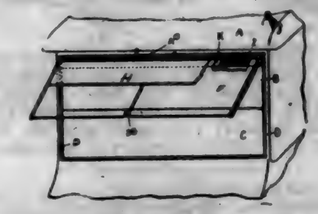
2. A fabricated sheet metal wheel comprising side disks, a main cylindrical tread of sheet metal having an inwardly projecting peripheral strengthening rib upset therein, an outer auxiliary tread of sheet metal, the edges of which are folded and conformed over the periphery of the disks to form wheel flanges, as specified.

1,541,941. TIMER. ABRAHAM S. GOLDSTEIN and ALEXIS P. DAVIS, Baltimore, Md., assignors to The Ford Duplex Timer and Accessories Company, Baltimore, Md., a Corporation of Maryland. Filed Feb. 17, 1923. Serial No. 619,580. 2 Claims. (Cl. 200—24.)



1. In a timer the combination with a casing having a plurality of stationary contacts each of which has two contact faces, of a rotor having a rock-frame, a contact carried by said rock-frame means for holding the rock-frame and its contact against outward movement under centrifugal force said rock-frame contact engaging one face of a stationary contact, and a second rotor contact to engage the other face of the same stationary contact.

1,541,942. SHADE FOR WINDSHIELD PROTECTORS. OTHELLO O. GREENWOOD, Lowell, Mass. Filed Mar. 28, 1923. Serial No. 628,352. 3 Claims. (Cl. 296—95.)



1. In an automobile having a wind-shield frame, the combination with an adjustable transparent wind-shield protector, of pull bar checks and guideways at each side carried by said protector, each guideway supporting a roller bracket, a spring roller supported by said brackets, an opaque shade carried by said spring roller having a pull bar slidable in the guideways and of a size to fit in behind the pull bar checks, a pulley carried at the front of the protector, a shade pull-cord attached to the pull bar and extending around said pulley back through the wind-shield frame, and means to fasten said cord in position.

1,541,943. SHOCK ABSORBER. ROLAND M. GAUSS, San Francisco, Calif. Filed May 24, 1923. Serial No. 641,228. 3 Claims. (Cl. 267—54.)



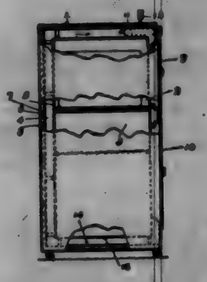
1. A shock absorber comprising a cylinder adapted for positioning vertically adjacent the frame and spring ends of an automobile, a piston within the cylinder with a piston rod extending through the upper end thereof, a base member secured to the lower end of the cylinder and having a cylindrical skirt depending therefrom having a side opening adapted to receive the spring end for pivotal connection to the skirt and also the frame end, a pin extending through slots in opposite sides of the skirt and said frame end, and a pair of rods extending vertically along opposite sides of the cylinder connected at their lower ends respectively to the ends of the pin and connected at their upper ends to the piston rod by a cross head.

1,541,944. PISTON RING. HAMPTON ARTHUR GUERLAY, Houston, Tex. Filed Apr. 11, 1924. Serial No. 705,913. 2 Claims. (Cl. 74—109.)



1. A piston ring having a plurality of spaced lugs upstanding on its upper surface, a plurality of spaced lugs extending inwardly of the ring, the various lugs defining spaces for the admission of pressure fluid to respectively force the ring down and out in a piston groove, and means by which a joint is made between the separated ends of the ring including means providing a recess to receive an end of the ring, and upstanding lugs spaced closer than the other to reinforce the joint.

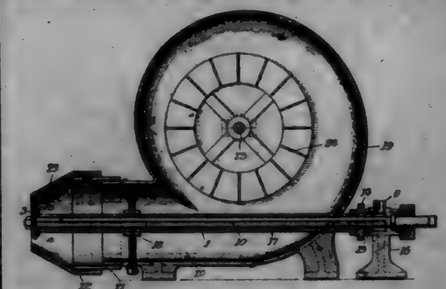
1,541,945. VACUUM REFRIGERATOR. WILLIAM H. W. HAMILTON, Rochester, N. Y., assignor of one-half to Joseph H. Huntsman, San Francisco, Calif. Filed Apr. 12, 1924. Serial No. 706,028. 2 Claims. (Cl. 220—9.)



1. A refrigerator having a chamber surrounded by double walls enclosing a "vacuum", said chamber being divided into an ice-compartment and a storage-compartment, openings leading respectively into said compartments, closures for said openings comprised respectively of double walls also enclosing vacuum-spaces a third wall spaced from and enclosing said double walls and providing an air-space therebetween, an air-pump mounted within said vacuum-space for securing and maintaining "vacuum" within said vacuum-space, and a gauge for indicating the degree of "vacuum" within said space.

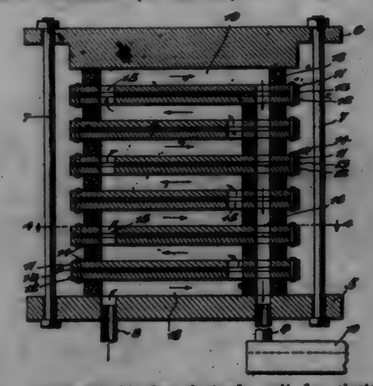
1,541,946. ATOMIZER. BURT S. HARRISON, Chicago, Ill., assignor to Drying Systems, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 15, 1922. Serial No. 561,238. 4 Claims. (Cl. 158—77.)

1. A device of the class described comprising a pair of coaxial spaced disks, means for rotating one of said disks, means for delivering a liquid to the space between said disks, means for regulating the flow of such liquid by a provision for adjusting one of said disks toward and away from the other, a means for delivering air under pressure past the periphery of said disks, said means including a nozzle converging toward said disks



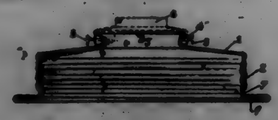
whereby the air and atomized liquid are directed to a focal point outward of and in line with the axis of the disks.

1,541,947. ELECTROLYTIC CELL. FRANK E. HARTMAN and HARRY BURTON HARTMAN, Scottdale, Pa., assignors to Electric Water Steriliser & Ozone Company, Scottdale, Pa., a Corporation of Pennsylvania. Filed Mar. 21, 1923, Serial No. 545,509. Renewed Apr. 3, 1925. 5 Claims. (Cl. 204—5.)



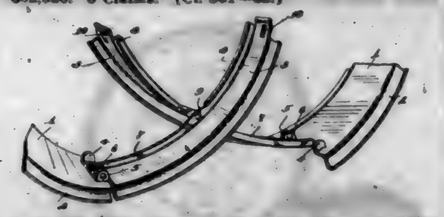
1. A composite bipolar electrode unit for electrolytic cells including an aluminum anode plate, and an iron cathode plate having an insulating sheet therebetween, means for uniting said plates, and both of said plates and sheet having openings.

1,541,948. ADAPTER FOR LAMP SHADES. JOSEPH HASLER, Brooklyn, N. Y., assignor to William E. Noe & Sons, a Copartnership of New York, N. Y. Filed Apr. 13, 1922. Serial No. 552,157. 1 Claim. (Cl. 240—128.)



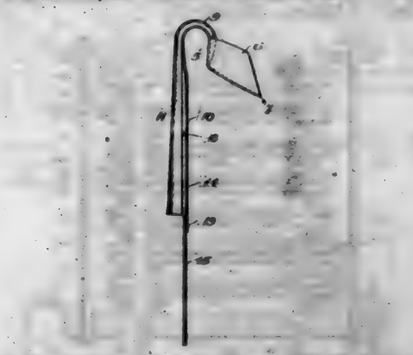
In combination with a standard shade holder an adapter comprising a cap having a flange lip engaging the screws of the standard shade holder and provided with a lower threaded flange, a threaded annulus, to engage the threaded flange of the cap, provided on its lower portion with an outwardly projecting wire frame and a shade mounted over the annulus and suspended from the wire frame.

1,541,949. DEMOUNTABLE RIM. CHESTER N. HAUPER, Columbus, Ohio. Filed Apr. 16, 1923. Serial No. 632,320. 5 Claims. (Cl. 301—32.)



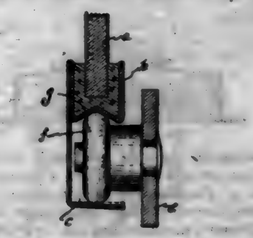
1. A collapsible rim for automobile tires comprising a transversely divided major rim section having its ends normally spaced, a minor rim section pivotally connected with each end of the major rim section and normally in engagement with the opposite ends of said major rim section, each minor rim section having means for interlocking engagement with the other, said minor rim sections being pivotally connected to each other intermediate their ends.

1,541,950. PEN FOR RECORDING APPARATUS. HENRY W. HERSCH, Rochester, N. Y., assignor to The Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Oct. 29, 1923. Serial No. 671,456. 3 Claims. (Cl. 120—43.)



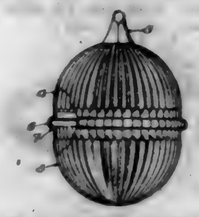
1. In a pen, a reservoir portion comprising a rear wall and converging side walls forming between them an ink feeding channel having a writing point at the forward end thereof, and a shank extending from the rear of said reservoir comprising a strip bent marginally upon itself to provide a socket for the reception of a pen support.

1,541,951. WINDOW-SASH CHANNEL. ERNEST E. HEINTZ and THOMAS P. ARCHER, Detroit, Mich., assignors to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 28, 1924. Serial No. 723,062. 2 Claims. (Cl. 189—76.)



1. A sash lower channel bar, comprising a single strip of stock, fashioned into an upwardly presenting channel to take the glass and having a depending L-like portion doubled back on one side wall of the upwardly presenting channel to form a laterally opening channel to guide a regulator element.

1,541,952. METHOD FOR PRODUCING ORNAMENTS. HUGO HELLER and HOBART F. FRIMMEL, Milwaukee, Wis.; said Frimmel assignor to said Heller. Filed Feb. 17, 1923. Serial No. 619,665. 13 Claims. (Cl. 41—10.)



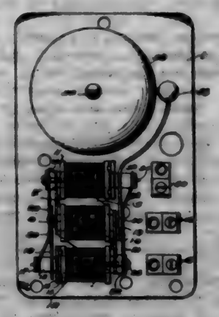
1. The method of producing a hollow ornament from sheet metal, which comprises decorating the surface of the metal with a colored film, and crimping the metal to bring the article into the required form.

1,541,953. TOY SAVINGS BANK. HENRY HERMANI, Baltimore, Md., assignor to The Tin Decorating Company of Baltimore, Baltimore, Md., a Corporation of New Jersey. Filed May 2, 1924. Serial No. 710,566. 13 Claims. (Cl. 232—4.)



1. In a device of the class described, the combination with a wall having a slot, of a coin guard therefor comprising a pair of resiliently connected jaws normally spaced apart less than the thickness of the smallest coin to be received, the jaws having portions within the slot to be engaged by an inserted coin thereby to spread the jaws and means to slidably connect the jaws to the wall.

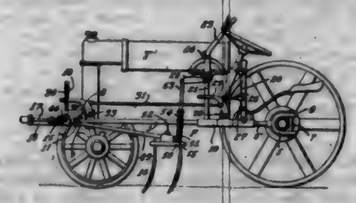
1,541,954. COMBINED BELL AND BUZZER. HARRY HIMAN, Marinette, Wis. Filed Oct. 19, 1920. Serial No. 418,058. 2 Claims. (Cl. 177—7.)



1. An electric signaling apparatus comprising a bell and buzzer signal and an electro-magnet adapted for separately operating said bell and buzzer, said electro-magnet comprising three cores supported substantially parallel with each other, the means for supporting said cores comprising metallic plates of magnetic material

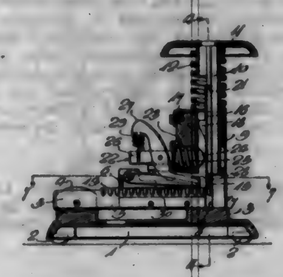
to which, respectively, opposite ends of the center core and of different outer cores are connected, core windings and vibrating armatures adapted to bridge the spaces between said center core and the unsupported ends of the outer cores which are bridged at the respective opposite ends of said cores by the supporting plates which connect said cores in pairs, and said magnetic plates being connected by a plate at one side of at least a portion of all of the windings, whereby in effect two separate horseshoe magnets are formed of each of which the center core is an element, substantially as described.

1,541,955. MOTOR CULTIVATOR. ELIJAH A. HOLLENBECK, Shelby County, Mo. Filed July 24, 1922. Serial No. 577,246. 11 Claims. (Cl. 97—47.)



1. A motor plow comprising a tractor, a rigid frame surrounding the tractor body secured to the tractor at front and rear, a plurality of plow beams mounted on said frame, operating means for said beams mounted on the frame adjacent the rear end of the tractor and connected to said beams.

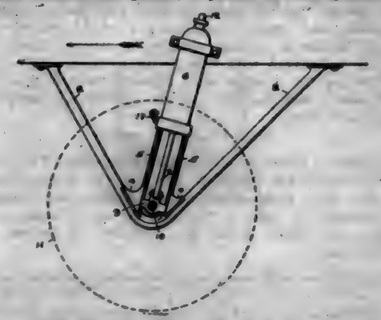
1,541,956. STAPLING MACHINE. RICHARD JACOB HOLSHAUSEN, Westport, Conn., assignor to The Compo Manufacturing Company, Westport, Conn., a Corporation of New York. Filed Feb. 14, 1921. Serial No. 444,953. 16 Claims. (Cl. 1—2.3.)



7. A combination binder comprising a plunger and staple securing and straightening means adjacent said plunger and traveling throughout part of its journey with said plunger and parallel therewith.

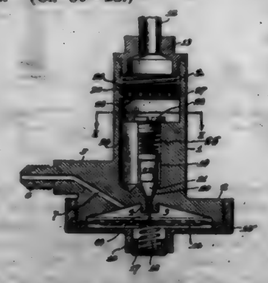
1,541,957. SHOCK ABSORBER. HARRIS G. HOOPER, San Francisco, Calif. Filed May 7, 1919. Serial No. 295,444. 5 Claims. (Cl. 244—2.)

1. In combination with the frame of an aeroplane, a hanging bracket bolted at one end to said frame, guides secured at one end to the free end of said bracket, a metallic cylinder secured at one end to said frame and at its opposite end to said guides, a slidable cross-head mounted within said guides, a piston in said cylinder, a



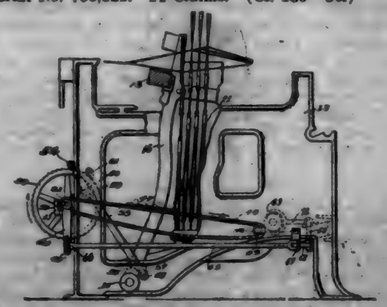
pitman pivotally engaging at one end said piston and at its other end said cross-head and a wheel shaft yieldingly supported in said cross-head.

1,541,958. DIAPHRAGM VALVE. FRANK HORAWA, Detroit, Mich. Filed May 18, 1923. Serial No. 639,759. 1 Claim. (Cl. 50—23.)



A valve of the type described comprising a valve body having a diaphragm chamber and inlet and outlet connections, a diaphragm in said chamber, and a conical member between the inlet connection and chamber of said valve body and slidable axially of said body, said conical member being connected to said diaphragm and held normally open thereby, and said valve body having a by-path leading to the conical portion of said conical member.

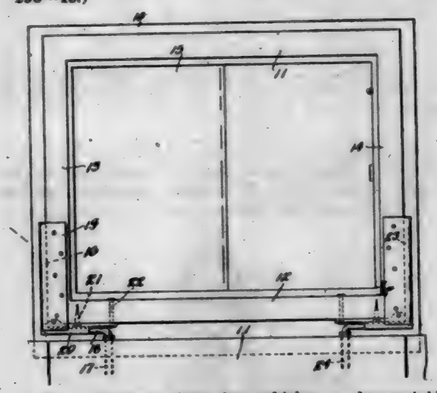
1,541,959. LOOM. JOHN HENRY HOWARTH, Lanett, Ala., assignor to West Point Manufacturing Co., Langdale, Ala., a Corporation of Alabama. Filed Dec. 30, 1924. Serial No. 758,821. 14 Claims. (Cl. 139—80.)



7. In a bag loom, shed forming mechanism to effect the weaving of a unitary tubular fabric and intervening connecting sections of different weave including two inde-

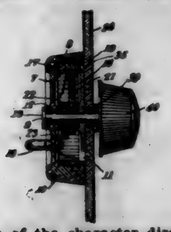
pendent sets of harnesses spaced transversely of the loom, two independent sets of harness-cams each including a change cam, and means for simultaneously shifting the change cam of each set into and out of operative position, and means comprising a chain on the loom frame having a pattern surface, a ratchet wheel operatively associated with said chain pawl, means actuated by the lay for rotating said ratchet wheel step by step, and means engaging the pattern surface and adapted to shift said cams.

1,541,960. CONNECTING MEANS FOR TWO-PART AUTOMOBILE DOORS. MATTHEW R. HULL, Connersville, Ind., assignor to Rex Manufacturing Company, Connersville, Ind., a Corporation of Indiana. Filed Mar. 29, 1924. Serial No. 702,958. 3 Claims. (Cl. 296—45.)



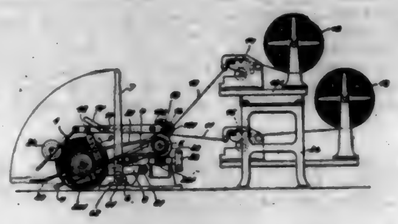
1. In a two-part door for vehicles, a demountable upper door section, a permanent lower door section, a connector at the hinge side of the door comprising upper and lower parallel arms secured to the respective sections and an angularly related body in the same plane with the arms said body being fixed to the upper section, and a similar connector similarly secured at the closing side of the door the last-named connector having its arms located in diverging planes whereby when it is forced into position on the lower door section the body of the connector is twisted to bias the upper edge of the demountable door section toward the vehicle body, substantially as set forth.

1,541,961. RHEOSTAT. STANLEY E. JACOBS, Brooklyn, and LOUIS J. SCHMEHL, Larchmont, N. Y., assignors to Stanley-Everett Corporation, New York, N. Y., a Corporation of New York. Filed Sept. 3, 1924. Serial No. 735,580. 13 Claims. (Cl. 201—55.)



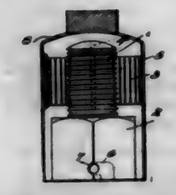
13. In a device of the character disclosed, an insulating base, an annular resistance element seated in said base, wiring terminals for said resistance element exposed at the back of said insulating base for wiring purposes, a plate attached to the front of the insulating base and provided with a screw bushing for seating in a panel or other support, a shaft journaled in said screw bushing and a contact arm actuated by said shaft for cooperation with the annular resistance element.

1,541,962. MANUFACTURE OF PACKAGES OF ROLLED WEBS OF PAPER. EMIL JAGENBERG, Duesseldorf, Germany. Filed Apr. 12, 1924. Serial No. 706,018. 8 Claims. (Cl. 93—1.)



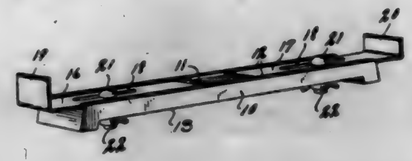
1. In a machine for packaging rolled webs, means for rotatably supporting a web roll, means for applying a protecting strip about the periphery of the roll so as to overhang an end thereof, and means having rolling contact with the protecting strip and supported by the roll to bend the overhanging portion of the strip over the end of the roll by and during movement of the roll.

1,541,963. SAFETY DEVICE FOR NUTS ON BOLTS. CHRISTIAAN HENDRIK JASPER, Rotterdam, Netherlands. Filed Oct. 28, 1924. Serial No. 746,304. 3 Claims. (Cl. 151—29.)



1. A locking safety device for a bolt nut, comprising an axially applicable cap adapted to enclose a nut and having a nut-engaging end portion and an inner portion larger than the bolt, a coiled spring within said cap, the outer end of said coiled spring being attached to said cap, said bolt having a radial longitudinal groove therein extending partially therethrough at the part thereof projecting beyond said nut; the inner end of said coiled spring being adapted to automatically enter into said groove in said bolt on turning the cap counter-clockwise and to be retained thereby, whereby said cap tends to keep the nut tight, the diameter of the inner portion of the cap being less than the diameter of the untensioned spring.

1,541,964. JOINTING AND RAKING TOOL. LEWIS H. JOHN and ALFRED HARRIES, Johnstown, Pa. Filed Mar. 14, 1925. Serial No. 15,504. 3 Claims. (Cl. 72—137.)



1. A jointing tool for bricklayers comprising a handle having a longitudinally extending recess upon one face, the recess being defined by upwardly extending shoulders and the handle being perforated through to said recess, a blade angularly bent to provide a cutter and a shank, the shank lying in said recess and being longitudinally

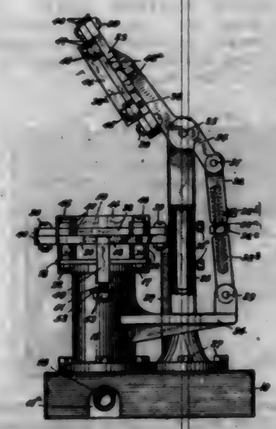
slotted, and a bolt passing through said slot in the shank and through said handle and carrying a nut whereby the blade may be shifted longitudinally upon the handle.

1,541,965. MOTOR VEHICLE. LAWRENCE F. JORDAN, Deer Park, Wash. Filed June 7, 1921. Serial No. 475,813. 6 Claims. (Cl. 180—22.)



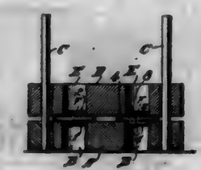
1. The combination with a motor vehicle frame and its driving axle, of a pair of rectangular side frames on said axle and means for supporting the vehicle frames from said axle, of a pair of driving wheels arranged in tandem form and journaled within said rectangular frames, the rear wheels only in said frames being movable for steering, and means for moving said steering wheels.

1,541,966. PRESS. HENRY KAPPELE, Stamford, Conn. Filed Oct. 6, 1924. Serial No. 742,082. 6 Claims. (Cl. 18—17.)



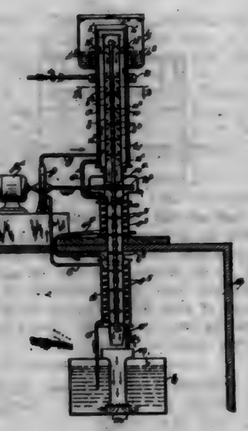
4. A press of the kind described comprising a base, an upright standard thereon, a sleeve slidably mounted on said standard to move in a vertical, lineal path, means for introducing a fluid under pressure into said sleeve to raise the same, a lower die carried by said sleeve and movable therewith in a lineal path, a device pivotally mounted upon said base, an upper die carried by said device and movable therewith in a curved path and a connection between said sleeve and device whereby both dies are coincidentally moved toward each other in their respective paths on the power stroke and automatically moved away from each other by the gravitative action of said sleeve and its die when the power is discontinued.

1,541,967. WAFER CAPSULE. GUSTAVE KLINKENSTEIN, New York, N. Y., JOHN L. LITOMY, Glen Ridge, and EMIL PLAVECSKY, West Orange, N. J. Filed Sept. 2, 1922. Serial No. 585,911. 3 Claims. (Cl. 167—2.)



2. A wafer capsule including two cup-shaped wafer-like sections the side walls of which are formed to telescope and frictionally engage to hold said sections together, the bottom of each of said sections being formed with an exterior projection substantially coaxial with the section and disposed in spaced relation to said side walls to prevent flexing or denting of said bottom.

1,541,968. REFRIGERATION. DONALD B. KNIGHT, Brooklyn, N. Y. Filed Jan. 9, 1925. Serial No. 1,348. 10 Claims. (Cl. 62—94.)

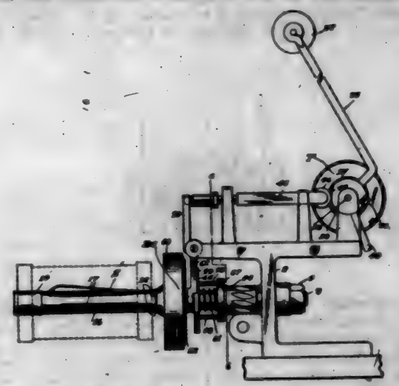


10. Refrigerating apparatus comprising a brine tank, a concentrator, a pump and tubes to deliver the brine from the tank to the concentrator, means to return the soluble substance from the concentrator to the tank, tubes to condense the vapor of the solvent and return the water of condensation to the tank, and means to apply the cooling effect of the brine in its passage to the concentrator to cool and condense the vapor from the solvent in its passage from the concentrator to the tank.

1,541,969. WINDING MACHINE. EDWARD J. KOSAK, Cicero, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1922. Serial No. 571,920. 14 Claims. (Cl. 242—156.)

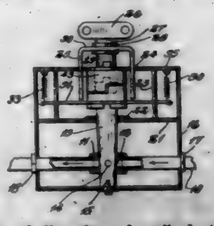
1. In a winding machine, the combination with a winding mandrel, a source of supply for said machine, a rocking element having a to-and-fro movement, a cam

for said rocking element, a push rod associated with said cam, and means controlled by the tension of strand be-



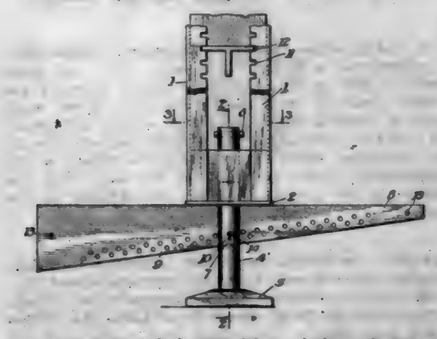
tween said winding mandrel and said source of supply for actuating said cam and rod for maintaining a constant tension upon said strand.

1,541,970. VALVE LOCK FOR GASOLINE CONDUITS. MICHAEL KROMP and STANISLAW JALOSZYNSKI, Montréal, Quebec, Canada. Filed Nov. 10, 1924. Serial No. 749,081. 3 Claims. (Cl. 251—6.)



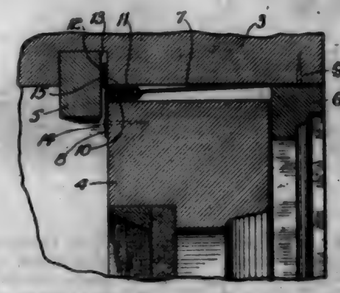
1. In a lock of the class described, the combination with a casing of a rotatable valve body in said casing adapted to establish and interrupt the flow of fuel from a fuel tank to an engine, a collar on said body having upper abutments and lower recesses, a projection at the upper end of said body adapted to be engaged by a key for rotating said body, and means for locking the parts in their adjusted positions.

1,541,971. WEDGE JACK. HENRY H. LAMPERT, Chicago, Ill. Filed Apr. 16, 1924. Serial No. 706,955. 2 Claims. (Cl. 254—104.)



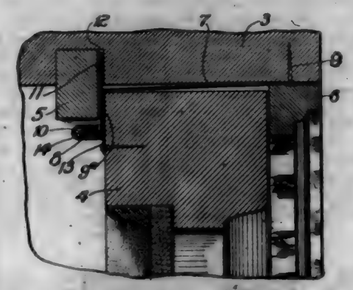
2. An improved jack comprising a base, a slotted post having swivel connection to said base, a casting with an aperture to fit said post, a wedge co-acting between said slot and said casting, stops on said post and said wedge, a rectangular shore timber socket built on said casting, and a shelf supported in said socket.

1,541,972. METAL WEATHER STRIP. ALFRED M. LANE, St. Louis, Mo., assignor to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed May 28, 1923. Serial No. 641,929. 4 Claims. (Cl. 20—69.)



1. The combination of a frame and a closure therefor, of a metal weather strip comprising two cooperating members mounted on said frame and said closure, respectively, the frame member comprising a metal strip located between the opposing faces of said frame and said closure and having a free marginal portion doubled back upon itself and formed into a grooved portion having one wall of double thickness.

1,541,973. METAL WEATHER STRIP. ALFRED M. LANE, St. Louis, Mo., assignor to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed May 28, 1923. Serial No. 641,930. 3 Claims. (Cl. 20—69.)

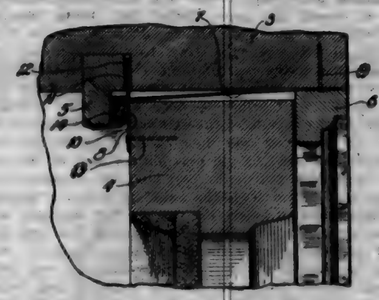


1. The combination with a frame and a closure therefor, of a relatively flexible member disposed between said frame and the adjacent face of said closure and secured along one margin to said frame adjacent to one side of said closure and a relatively rigid member secured along one margin to the opposite side of said closure, the free marginal portions of said members being formed with cooperating ribbed and grooved portions located opposite the side face of said closure outside the general plane thereof.

1,541,974. METAL WEATHER STRIP. ALFRED M. LANE, St. Louis, Mo., assignor to Monarch Metal Products Company, St. Louis, Mo., a Corporation of Missouri. Filed May 28, 1923. Serial No. 641,931. 5 Claims. (Cl. 20—69.)

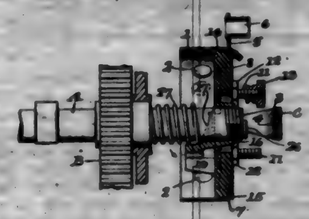
1. The combination of a frame and a closure therefor, of a member secured to said frame adjacent to one

corner of said closure, and a member secured to said closure adjacent to the opposite corner thereof, said



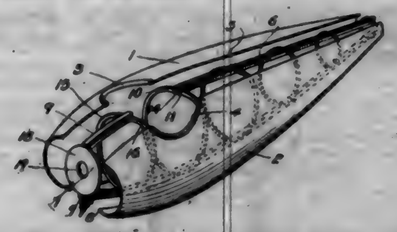
members having loosely interlocked portions located beyond said opposite corner of said closure.

1,541,975. TIMER. NORBERT J. C. LESTER, Knoxville, Tenn. Filed July 5, 1923. Serial No. 649,616. 5 Claims. (200—24.)



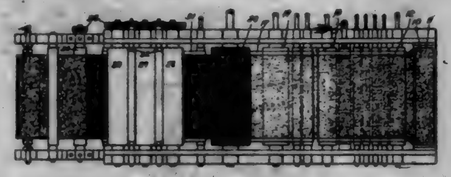
2. A timer comprising a shell, a ring of insulating material fitting within the shell, contact members carried thereby, a brush having a slightly tapered central opening fitting over an operating shaft, means for causing the brush to rotate with the shaft but permitting endwise and rocking motion thereon, and means engaging said brush to give it both movements thereby holding it in close engagement with said contact members.

1,541,976. FUSELAGE. ALBIN K. LONGREN, Topeka, Kans. Filed Apr. 10, 1922. Serial No. 551,054. 3 Claims. (Cl. 244—30.)



3. A fuselage comprising complementary concave-convex side members, longerons at the top and bottom of the fuselage, and interposed between the edges of said side members, each longeron have oppositely disposed grooves in its sides to receive the opposite edges of the respective side members to stiffen same and maintain the said edges in coincident planes, each longeron having a relatively deep longitudinal groove in its inner face to lighten the same, means whereby to secure the edges of the side members in said grooves in the opposite sides of the longerons, and substantially circular transverse braces connected to the longerons and to the side members.

1,541,977. PAPER MAKING. WILLIAM A. LORENZ, Hartford, Conn., assignor to The Otaka Fabric Company, Hartford, Conn., a Corporation of Connecticut. Filed Jan. 29, 1921. Serial No. 440,869. 9 Claims. (Cl. 92—70.)



1. The method of forming a web of pulp, pressing water from the web, embossing the pulp web with a suitable design while still moist, maintaining the embossed condition of the pulp web while finally drying the same into paper, and calendering the dry web to flatten out the embossings and limber the paper.

1,541,978. AIRPLANE PROPELLER AND PROCESS OF MAKING THE SAME. WILLIAM A. LORENZ and STILLMAN SHAW, Hartford, Conn.; said Shaw assignor of his entire right to said Lorenz. Filed April 20, 1921. Serial No. 462,795. 7 Claims. (Cl. 18—56.)



1. The process of forming a propeller for airplanes which consists in providing a solid block of fibrous material, chemically treating the block and then washing the same, carving the block while it is still moist and pliable so as to form a hub and solid blades which are tapered down towards their edges, then twisting the blades to the helical pitch desired while in soft and pliable condition, and then drying the propeller while it is held in twisted condition.

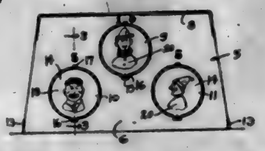
1,541,979. TRAFFIC SIGNAL FOR STREET CROSSINGS. JOHN W. LOWTHER, Pittsburgh, Pa. Filed Oct. 3, 1924. Serial No. 741,406. 5 Claims. (Cl. 116—63.)



2. In a signaling device of the class described, a two-position support rotatable on a vertical axis, a Stop signal rigidly borne by said support and extending in vertical plane, a Stop and Go signal rotatably borne by said support and provided with Stop and Go panels, and means for rotating said Stop and Go signal and bringing the Stop and Go panels alternately to position in a

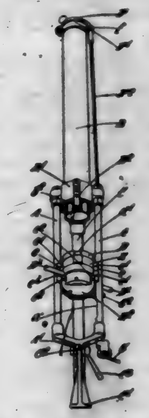
vertical plane angularly disposed to the plane of the first-named Stop signal, while the support continues unchanged in position.

1,541,980. GAME DEVICE. SOLOMON LUBIN, New York, N. Y., assignor to Standard Solophone Mfg. Co., Inc., New York, N. Y., a Corporation of New York. Filed Jan. 19, 1925. Serial No. 3,234. 4 Claims. (Cl. 273—122.)



1. A game device comprising a board having an inclined face with a plurality of openings therein, game piece receptacles hingedly associated with said face adjacent said openings, and means on said face member for releasably holding said receptacles in position to receive a projected game piece.

1,541,981. BREECH LOADING GUN. OWEN DAVID LUCAS, Bayswater, London, England, assignor to Vickers Limited, London, England, a British Company. Filed Mar. 3, 1923. Serial No. 622,516. 3 Claims. (Cl. 89—1.)



1. In a breech loading gun mount, a breech screw, a carrier in which the breech screw is rotatably mounted, and inclined shock-resisting strut members comprising part of said mount on which said carrier is slidably mounted, the said carrier being movable along the strut members away from the breech end of the tube for loading.

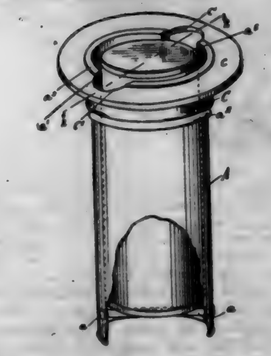
1,541,982. TRAP NEST. WILLIAM R. LUTS, St. James, Mo. Filed Feb. 2, 1925. Serial No. 6,241. 4 Claims. (Cl. 119—47.)

1. A device of the kind described, comprising a lower egg trap box and an upper nest box, the two being connected by an egg port through the floor of the nest box; an outwardly swinging door for the front entrance of the nest box; a sliding door for the said front entrance, the same being set in front of the swinging door and spaced therefrom; a latch mechanism for releasably holding the swinging door in an horizontal open position, the said latch having a shank extended into the pathway from the doors to the interior of the box; means for automatically elevating the swinging door to its horizontal open position as the sliding door is raised; a sliding door for the rear opening of the nest box; an oscillating lever on top of the nest box and having its ends connected respectively to the front and rear sliding doors so that one will stand open while the other is closed, the front sliding door being arranged to overbalance the rear sliding door so as to stand normally closed when the rear door is open; an exit cage attached at the rear of the nest box and into which the rear sliding door opens; an outwardly swinging rear door for the exit cage; a door controlling platform mounted in the bottom of the exit cage and hinged to the sill of the swinging rear door and having its free forward end connected to the rear sliding door of the nest box; a nest arranged in the nest box and communicating through its bottom with the said egg port; a primary egg chute mounted below the egg port of the nest box; a latch lever pivoted within the egg trap box and having at one end a latch for releasably holding the rear sliding door in closed position, the opposite end being disposed below the mouth of the primary egg chute; means for normally holding the forward end of the latch



lever in elevated position with the latch at the rear end in engagement with the rear sliding door; an egg tray mounted on the end of the said lever under the said egg chute; an egg trap loosely mounted within the egg trap box under the said egg tray, the said egg trap including an elongated box set on an incline and having a plurality of beveled and overlapping egg trap boards pivotally mounted therein from end to end, in such manner that an egg will roll from the upper end to a lower point and then automatically upturn the available rearmost board, and a secondary egg chute mounted on the egg trap and adapted to be disposed under the egg tray of the latch lever; a hen trap at the rear of the exit cage and into which the latter opens through its said swinging door, the said hen trap being enclosed with netting at its sides and end and having sliding exit doors for the several compartments, the said compartments being formed of beveled trap boards similar in shape and design to the egg trap boards but much larger in size, the same being pivoted within an elongated box.

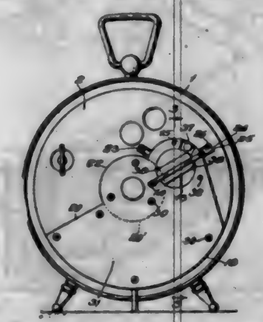
1,541,983. GROUND VASE. ROBERT B. MCGOWAN, Cincinnati, Ohio. Filed Nov. 19, 1923. Serial No. 675,605. 3 Claims. (Cl. 47—41.)



3. In a ground vase the combination of a cylindrical casing provided with finger recesses, an outwardly extending bead on said casing, a metal casting comprising

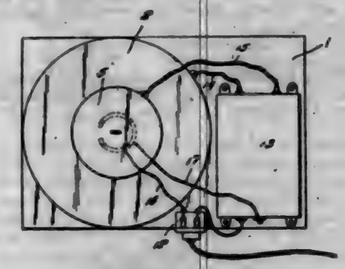
a flanged ring member, supported by said bead, a vase member within said casing and means integral with said casing for permitting the ready removal of said vase from said casing.

1,541,984. COIN-CONTROLLED CLOCK. RAYMOND H. MCMINN, Chicago, Ill. Filed Apr. 20, 1921. Serial No. 462,836. 9 Claims. (Cl. 194—84.)



1. In combination, a clock, a winding stem therefor, a coin-controlled key for operating said winding stem, and means for automatically accelerating said key relative to the unwinding movement of said stem to release a coin therefrom.

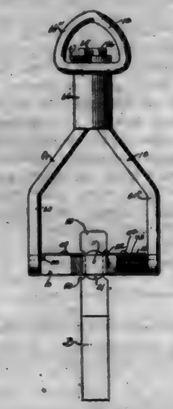
1,541,985. ELECTROCUTING RAT TRAP. GEORGE A. MARQUIS, Lewiston, Me. Filed Jan. 3, 1925. Serial No. 344. 2 Claims. (Cl. 43—98.)



1. A rat trap comprising an insulated base, a bottom metallic plate supported thereon, an upper metallic plate, a semi-spherical head carried by the upper plate and cooperating with the lower plate for tiltably supporting the upper plate on the lower plate, contacts carried by the opposed faces of the respective plates and insulated therefrom, said contacts being normally spaced from each other, and adapted to be brought into engagement with each other when the upper plate is tilted, and means for returning the upper plate to its normal position.

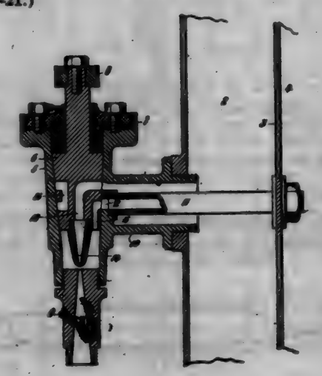
1,541,986. ELEVATOR FOR SUCKER RODS. JOHN B. MARTIN, Shreveport, La. Filed Feb. 16, 1924. Serial No. 693,254. 4 Claims. (Cl. 294—91.)

1. An elevator of the class described comprising a body having an opening therein and a radial slot leading to said opening, said body being recessed from its upper face about the opening to provide an annular seat, a lug extending upwardly from said seat, a circular block rotatably fitting into the opening of said body and having a radial slot, said block having an outstanding annular shoulder extending into the recess and resting upon said seat with its upper face flush with the upper face of the body, a cover plate carried by said body and extending over said block to retain the same in place and permit rotary movement thereof so that a portion of the slot of said member extends into the area of the opening of said body; said block being turnable within said body so that the slots of the block and body may be placed in alignment or out of alignment with respect



to each other, the annular shoulder of said block having its inner face provided with an annular recess receiving said lug and limiting rotary movement of said block and latch means for holding the block in a locked relation with respect to the body when the slots are out of alignment with respect to each other.

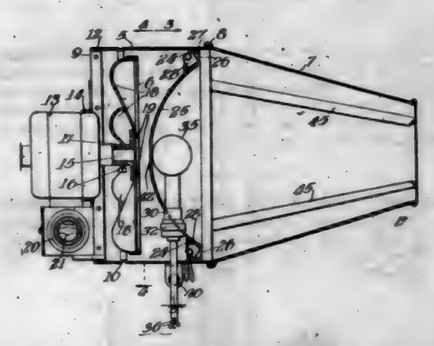
1,541,987. VALVE FOR STERILIZING APPARATUS. GEORGE SAMUEL MASCALL, London, England, assignor to John Bell & Croyden Limited, London, England. Filed Jan. 5, 1925. Serial No. 729. 1 Claim. (Cl. 137—21.)



In sterilising apparatus comprising an inner and an outer casing forming an inner sterilising chamber and an outer pressure steam chamber; the combination therewith of a valve casing, a revoluble valve plug located within said valve casing, a cover to close one end of said valve casing, a stem on said plug extending through said cover, an operating handle on said stem, the opposite end of said valve casing extending beyond said valve plug, a continuation tube open to the atmosphere fixed to said extending end of said valve casing, said valve casing having a lateral tubular shank fixed to said outer casing of the apparatus communicating at one end with said pressure steam chamber and at the opposite end with the periphery of said valve plug, an extension tube passing through said tubular shank to com-

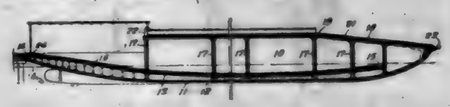
municate at one end with said sterilizing chamber and at the opposite end with the interior face of said valve casing, said valve plug having a central conical nozzle fixed at its end opposite to said continuation tube of said casing and said valve plug having a bore communicating with said nozzle and extending to the circular face of said valve plug to communicate with said tubular shank and with said steam chamber in one position of said valve plug, and said valve plug having a second bore communicating, in the same position of said valve plug, with said extension tube and said sterilizing chamber to exhaust air or steam from the latter, and said plug having a U-shaped passage adjacent that side opposite to the openings of said bores, the arms of said U-shaped passage opening onto the periphery of said valve plug to effect communication in another position of said valve plug between said pressure steam chamber through said tubular shank and simultaneously with said sterilizing chamber through said extension tube, to admit steam from said steam chamber to said sterilizing chamber.

1,541,988. METHOD OF AND MEANS FOR DRYING. WILLIAM MEYER, Chicago, Ill. Filed Aug. 2, 1923. Serial No. 655,174. 11 Claims. (Cl. 34—26.)



1. In a device of the class described, the combination of a casing having an inlet and an outlet and an annular passage providing communication between said inlet and said outlet and a heating element arranged annularly in said annular passage.

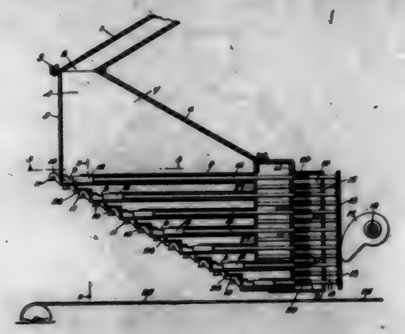
1,541,989. DOUBLE-DECKED CAR FERRY. JAMES G. MILLER, Norfolk, Va. Filed Apr. 3, 1925. Serial No. 20,416. 4 Claims. (Cl. 114—60.)



1. A vessel of the character described, comprising an upper and lower deck, a plurality of sets of rails mounted upon the decks, a portion of said upper deck sloping forwardly and downwardly and the lower deck curving rearwardly and upwardly.

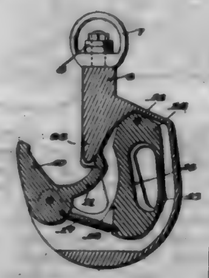
1,541,990. BATTER DROPPER. NATHAN MINNERSO, Minneapolis, Minn. Filed Aug. 9, 1922. Serial No. 580,706. 4 Claims. (Cl. 107—28.)

1. In a device of the class described the combination of a chamber adapted to receive material to be deposited in drops; a plurality of tubes associated with said chamber in staggered relation and provided with apertures through which portions of said material may enter; flaring discharge nozzles carried by the ends of said tubes; plungers slidably mounted within said tubes adapted to move past said apertures to open and close the same, and to expel the material within said tubes through said nozzles in drops; and means for reciprocating said plungers.



4. In a device of the class described, the combination of a chamber adapted to receive dough material to be deposited in drops; a plurality of tubes passing through said chamber and provided with apertures through which portions of said material may enter; a plurality of outlets for said tubes disposed in staggered relations and in different horizontal planes; plungers slidably mounted within said tubes adapted to move past said apertures to open and close the same, and to expel the material within said tubes in drops; and means for reciprocating said plungers.

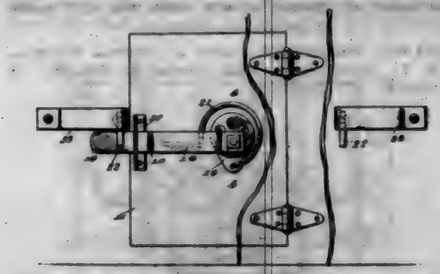
1,541,991. SAFETY HOOK. JOSEPH F. MOODY and VIRGIL L. DU BOIS, Tulsa, Okla. Filed June 24, 1924. Serial No. 722,071. 8 Claims. (Cl. 24—241.)



1. A safety hook comprising a body having a pair of bills cooperating with the body in defining a socket, a latch pivoted to the bills and having an inwardly extending branch, and a trigger adapted to engage the branch to hold the same in position, said trigger being housed within and protected by said body.

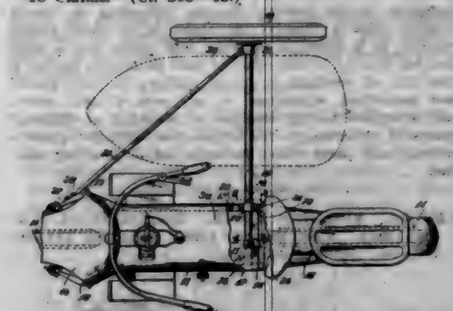
1,541,992. DOOR LATCH. BENEDICT B. MORIARTY, Howard, S. Dak. Filed May 5, 1924. Serial No. 711,137. 3 Claims. (Cl. 292—228.)

1. In a swinging door, a stem journaled through the door, having a handle at its inner end, a latch bar secured at one end upon the outer end of said stem, keeper brackets at opposite sides of the door and of similar construction, gravity keepers swingable in said brackets and similarly cooperating with the latch bar to hold the door in open and closed positions, and a spring



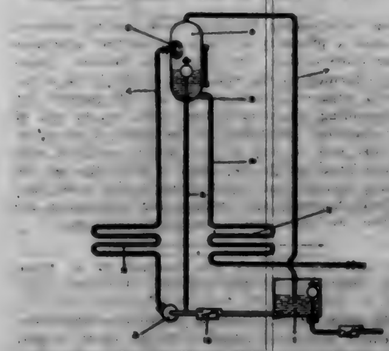
engaging the latch bar and controlling movement thereof and also controlling movement of the stem and the inner handle.

1,541,993. THIRD-WHEEL ATTACHMENT FOR MOTOR CYCLES. CARL A. NERACHER, Syracuse, N. Y., assignor to Ner-A-Car Corporation, a Corporation of New York. Filed June 13, 1921. Serial No. 477,148. 18 Claims. (Cl. 208—45.)



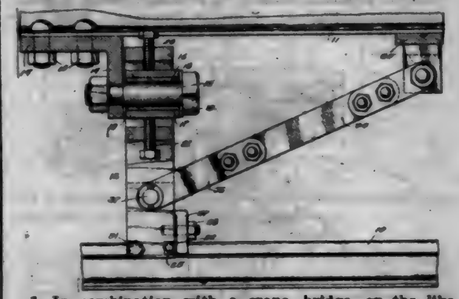
1. In combination with the frame of a two-wheeled motorcycle, comprising side frame members on opposite sides of the wheels of the motorcycle and a transverse frame member, a third wheel attachment for the motorcycle comprising an axle, a wheel mounted thereon, and means for detachably fastening the axle to said frame at two places spaced transversely apart thereon.

1,541,994. PROCESS FOR CONTINUOUSLY STERILIZING MILK AND THE LIKE. NIELS JONAS NIELSEN, Aarhus, Denmark. Filed June 28, 1924. Serial No. 723,025. 1 Claim. (Cl. 99—15.)



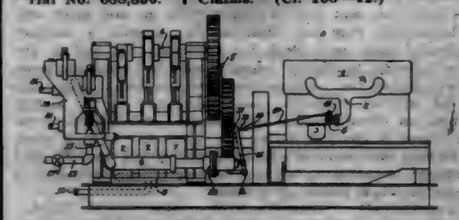
A process for sterilizing milk or a similar liquid by continuously passing the liquid through a heated tube system or the like under pressure, characterized in passing the liquid when leaving the heating system, through a chamber of lower pressure and condensing the vapors thus developed in the liquid passing to the heating system, thus depriving the sterilized hot liquid of heat and preheating the fresh liquid.

1,541,995. DEVICE FOR SMOOTHING OR DRESSING RAILS. GEORGE ODUM, Chicago, Ill. Filed Dec. 18, 1924. Serial No. 756,693. 16 Claims. (Cl. 104—1.)



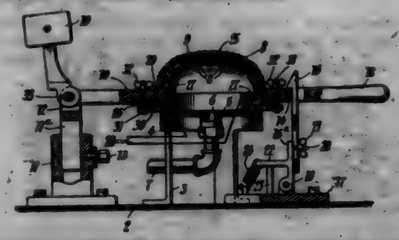
1. In combination with a crane, bridge, or the like, having a carriage travelling on rails; a tool holder attached to said carriage; and a cutting tool mounted in said tool holder and adapted to engage the margin of the upper surface of one of the rails and smooth or dress the same as said carriage moves.

1,541,996. GOVERNOR FOR POWER-DRIVEN PUMPS. IMMANUEL ALVIN OLIVER, Santa Clara, Calif., assignor to Bean Spray Pump Co., San Jose, Calif., a Corporation of California. Filed Jan. 26, 1924. Serial No. 688,890. 7 Claims. (Cl. 103—42.)



1. The combination with a power driven pump having a fluid discharge and a pressure chamber connected therewith, of means for reducing the fluid pressure at said discharge when the pressure in said chamber rises above a pre-determined value; and means actuated by the pressure reduction at said discharge for reducing the power output of the driving means.

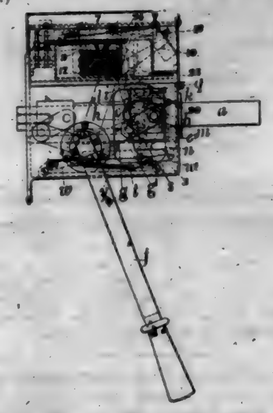
1,541,997. HAT-LINING-BLOCKING MACHINE. LESLIE M. PAGE, Maplewood, N. J., and LOUIS MEYLACH, Brooklyn, N. Y. Filed Sept. 12, 1924. Serial No. 737,248. 6 Claims. (Cl. 223—31.)



1. In a machine of the character described the combination of a block perforated for the passage of steam, means for supplying steam to said block, a yoke pivoted

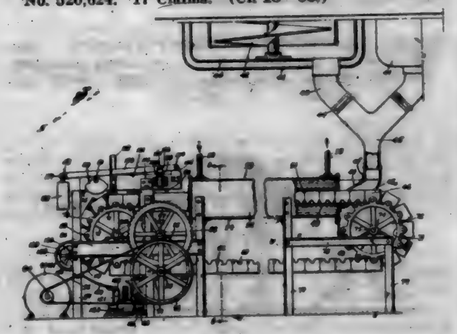
at one side of said block, a forming hood of flexible material adapted for coaction with said block, carried by said yoke, means for releasably latching said yoke in coacting relation with said block, means for adjusting said latching means vertically, and means for adjusting the pivot of the yoke to compensate for the adjustment of the latching means.

1,541,998. CIRCUIT BREAKER. GEORGE PAILIN, Manchester, England, assignor to Ferguson Pailin Limited, Manchester, England, a British Company. Filed May 12, 1923. Serial No. 638,540. 6 Claims. (Cl. 200—106.)



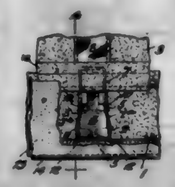
2. In circuit breakers, the combination comprising a switch arm having an annular groove therein, a block slidable on said arm, a ball carried by said block and detachably engaging said annular groove, a member pivoted upon said block for retaining said ball in the said groove, means for releasing said ball retaining member, means for reciprocating the said block both with and without imparting such movement to the switch arm, an energy accumulator, means whereby said accumulator is charged during the movement of said block without movement of said arm, and means whereby said energy is caused to actuate the said releasing means of the said ball retaining member.

1,541,999. MOLDED ARTICLE AND METHOD OF MANUFACTURING SAME. LEWIS A. PALEY, Buffalo, N. Y., assignor to Paley Engineering Company, New York, N. Y., a Corporation of New York. Original application filed Apr. 1, 1920, Serial No. 370,441. Divided and this application filed Dec. 7, 1921. Serial No. 520,624. 17 Claims. (Cl. 18—58.)



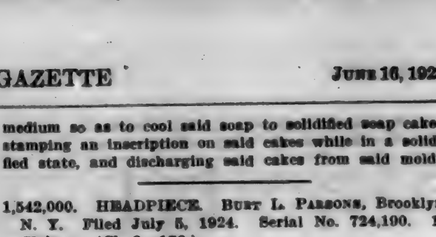
1. A method of treating soap and the like, which includes introducing hot, liquid soap into a plurality of molds, moving said molds while subjected to a cooling medium so as to cool said soap to solidified soap cakes, stamping an inscription on said cakes while in a solidified state, and discharging said cakes from said molds.

1,542,000. HEADPIECE. BURT L. PARSONS, Brooklyn, N. Y. Filed July 5, 1924. Serial No. 724,190. 11 Claims. (Cl. 2—176.)



9. In a head piece, a band part, a crown part, and collapsible connections between the parts at spaced intervals around the band for holding the parts selectively either spaced apart or together, said connections comprising a metal stamping secured to one of said parts by integral teeth which are clinched into said part, said stamping having integral tongues extending in spaced relation with a face of the stamping to form guides running in a direction between said parts, and a wire member secured to the other of said parts and having a plurality of resilient stretches running in said guides and permitting separation or approach of said parts, said stretches having changes in direction at different points in their length for cooperation with the grooves to hold said parts either in separated or abutting relation.

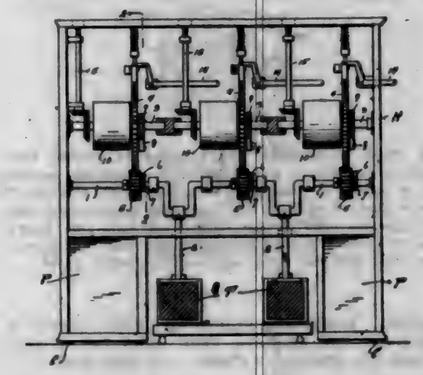
1,542,001. BUILDING BLOCK. GAETANO PILATI, Florence, Italy. Filed May 21, 1924. Serial No. 714,860. 1 Claim. (Cl. 72—41.)



A hollow interlocking building block having between its side faces a plurality of rows of vertical apertures of circular cross-section, flat side faces thereon, ridges and grooves formed on the end faces of the block to interlock with adjacent blocks and to provide pockets for mortar, depending ridges extending from end to end of the lower marginal side edges of the block, grooves extending from end to end of the upper marginal side edges of the block for the reception of the ridges on the block resting thereon, and a flat recess in the under face of the block—between said ridges—for containing the mortar when the blocks are in assembled position.

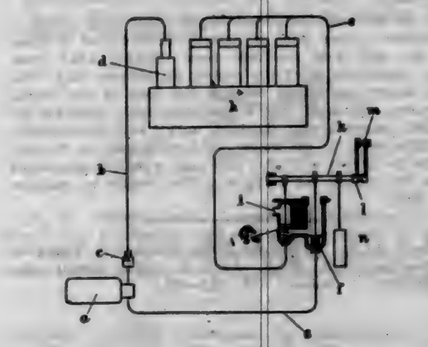
1,542,002. MOTOR. ENRICO RE, Vineland, N. J. Filed Nov. 28, 1923. Serial No. 677,493. 1 Claim. (Cl. 185—9.)

In combination with a shaft a plurality of shaft sections rotatably supported adjacent to the shaft, a gear loosely mounted on each of the shaft sections, a gear loosely mounted on the first named shaft with which said gear of the shaft section meshes, a spring associated with each shaft section and gear thereon for rotating the gear, coacting means carried by the shaft and each of the gears mounted thereon to cause said gear and shaft to rotate in unison in one direction,



means for holding the gears on the shaft sections against rotation, the spring associated with one gear operating when unwound to release the holding means of the succeeding gear.

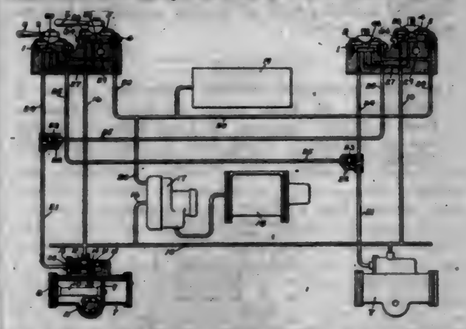
1,542,003. AIR-DISCHARGE DEVICE WITH INTERNAL-COMBUSTION ENGINES. ALFRED REINSCH, Berlin-Marienfelde, Germany, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany, a Corporation of Germany. Filed Mar. 1, 1924. Serial No. 696,277. 2 Claims. (Cl. 123—33.)



1. The combination, with an internal combustion engine, especially of the type which operates according to the Diesel principle, of an air-supply tank, a pipe connecting it with the fuel-valves of the engine, a shut-off valve arranged in said pipe, an air-discharge device independent of said valve also located in said pipe, and means for actuating said valve and air discharge device simultaneously to reduce the pressure on the fuel valves to atmospheric pressure.

1,542,004. CAR-DOOR-CONTROL DEVICE. WILLIAM B. RENSHAW, Wilmerding, Pa., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa., a Corporation of Pennsylvania. Filed Nov. 20, 1924. Serial No. 750,989. 3 Claims. (Cl. 303—6.)

1. In a car door control apparatus, the combination with a door engine, of a door controlling valve device at each end of the car, a door control pipe leading from each door controlling valve device to the door engine,



and a double check valve for controlling communication from said control pipes to the door engine.

1,542,005. HOLLOW ELASTIC PLAYING BALL. RALPH E. RILEY, Akron, Ohio, assignor to The Miller Rubber Company, Akron, Ohio, a Corporation of Ohio. Original application filed Oct. 31, 1921, Serial No. 511,720. Divided and this application filed Jan. 17, 1922. Serial No. 529,876. 7 Claims. (Cl. 273—58.)



1. A hollow elastic thin walled rubber playing ball having a design portion of elastic sheet rubber inlaid in the surface of the ball, and autogenously united therewith.

1,542,006. DECOLORIZING CARBON PARTICULARLY FOR MEDICINAL USE. JOHAN NICOLAAS ADOLF SAUER, Amsterdam, Netherlands, assignor to Naamlooze Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company), Amsterdam, Netherlands, a Corporation of the Netherlands. Filed July 26, 1917. Serial No. 182,883. 2 Claims. (Cl. 167—7.)

1. A medicinal preparation comprising a shaped product of a size adapted to be taken in the mouth, containing sterilized decolorizing vegetable carbon, substantially free from soluble ash constituents, of which the dry matter contains substantially above 94% of free carbon, such material being held together by a crystalline binder which is readily soluble in the juices of the alimentary canal.

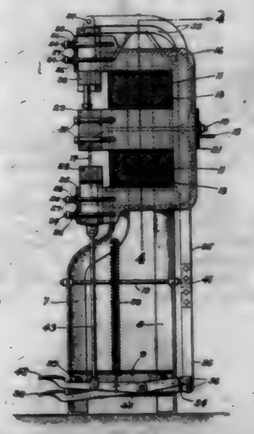
1,542,007. CUTTING TOOL. FRANK J. SCHROEDER, Altoona, Pa. Filed Dec. 6, 1922. Serial No. 605,269. 1 Claim. (Cl. 29—96.)



A cutting tool comprising a holder provided at one end with a tapered tool receiving socket, an upstanding boss adjacent the socket, a cutting member having

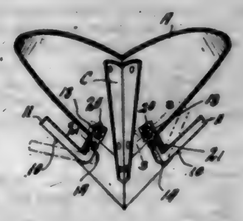
a tapered shank portion for fitting in the tapered socket, and a locking member projecting through the upstanding boss and engaging with the cutting member to lock the same in the socket.

1,542,008. ELECTRIC RIVET HEATER. JOHN E. SEDERHOLM, St. Paul, Minn., assignor to American Hoist & Derrick Company, St. Paul, Minn., a Corporation of Minnesota. Filed Aug. 5, 1922. Serial No. 579,940. 7 Claims. (Cl. 219—13.)



1. In an electric rivet heater, the combination with a magnetic core in the form of a rectangular frame, of primary coils arranged on the longitudinal parallel members of said core, secondary elements of substantially E-shape, with their branches extending above and below the longitudinal members of said core, and means on the ends of said branches for holding rivets between the middle branch of said secondary element, and the upper or lower branch thereof.

1,542,009. WEED-CUTTING ATTACHMENT FOR PLOWS. CLEO SHIPMAN, Hamlin, Tex. Filed Dec. 30, 1924. Serial No. 758,867. 2 Claims. (Cl. 97—133.)



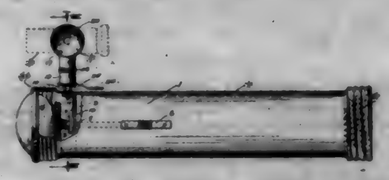
1. In combination with a buster plow having wings and a point the wings adjacent the point being perforated for the passage of bolts and the point adjacent the wings being also perforated for the passage of bolts, of a weed cutting attachment therefor comprising two knives each having a blade and a shank angularly disposed relative to the blade, the shanks extending across the face of the point and on to the wings and being slotted for the passage of bolts passed through the apertures of the wings and point, the slots permitting an angular adjustment of the knives.

1,542,010. HANDLING DEVICE. WILLIAM H. SIEMA, Oakglen, Ill. Filed Oct. 6, 1921. Serial No. 505,811. 1 Claim. (Cl. 100—57.)



A device to facilitate the handling of stalked vegetables, comprising a trough having a supporting surface and a back wall forming a dihedral angle, the line of intersection of said surface and wall being lower than the opposite edge of the surface or wall, one lateral edge of surface and wall being lower than its opposite edge, the dihedral being open at its lowest point.

1,542,011. PORTABLE SURGICAL LIGHT. HIRAM R. SIMPSON, San Francisco, Calif. Filed Feb. 4, 1924. Serial No. 690,584. 3 Claims. (Cl. 240—8.5.)



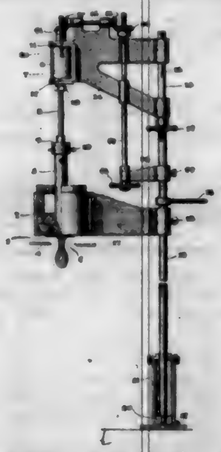
1. In an elongated pocket electric flash lamp having a container casing with a battery therein and a lamp at one end, with its light beam directed away from and longitudinally of the casing, an electric lead from the battery extending through the side of the casing adjacent said lamp, and a localizing light projector rotatably mounted over the lead, on an axis substantially at right anges to the casing, an electric bulb in the projector in circuit with the lead, and a switch associated with the casing for completing the circuit to energize the bulb.

1,542,012. JUMPING TOY. OLIVER P. SPILMAN, Houston, Tex. Filed Apr. 3, 1923. Serial No. 629,590. 7 Claims. (Cl. 273—95.)



2. A game comprising a plurality of flat pieces adapted to be placed on a surface to be placed upon to represent pools of water, and a toy representing a frog with a body having a flat under surface on which it normally rests, and a leaf spring extending upwardly from the body with one end anchored in the body and the other end free, the tension and inertia of the spring when compressed and suddenly released being operable to propel the toy in a forward direction.

1,542,013. PLUNGER-OPERATING MECHANISM FOR GLASS FURNACES. THOMAS STENHOUSE, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va., a Corporation of West Virginia. Filed Mar. 22, 1922. Serial No. 545,762. 19 Claims. (Cl. 49—55.)



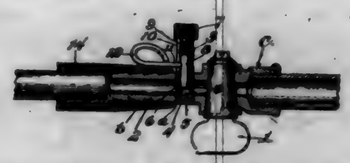
5. A glass furnace including a flow spout, a plunger adapted to reciprocate in said flow spout, means for reciprocating the plunger, and fluid pressure operated means for lifting the plunger clear of the flow spout.

1,542,014. METHOD AND DEVICE FOR CRIMPING EYELASHES. CHARLES W. STICKEL, Rochester, N. Y. Filed June 5, 1922. Serial No. 566,114. 17 Claims. (Cl. 132—32.)



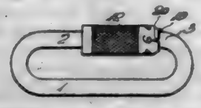
16. An eyelash curler comprising cooperating jaws, one having a gripping edge curved to fit about the eyelid and the other having substantially parallel curved ridges spaced to receive the gripping edge of the first jaw.

1,542,015. VALVE. CLARENCE E. STRICKLAND, Atlantic City, N. J. Filed July 12, 1924. Serial No. 725,678. 6 Claims. (Cl. 284—13.)



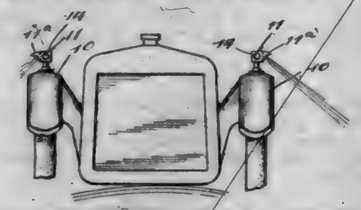
1. In combination with a conduit, a tubular member carried by and in communication with the conduit, a valve slidably mounted within the tubular member and extending within the conduit to close the flow therethrough, means for constantly maintaining the valve in closed position, a wall of the tubular member being provided with a slot, and a shank secured to the valve and extending outwardly through the slot.

1,542,016. PERMUTATION LOCK. JACOB HENRY STULL, Fremont, Ohio. Filed Mar. 6, 1924. Serial No. 697,898. 3 Claims. (Cl. 70—19.)



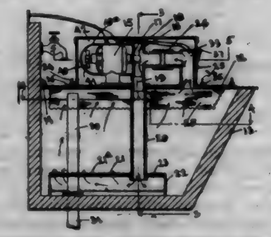
1. A lock comprising a shackle having a straight portion formed with registering longitudinal and transverse grooves, a sleeve frictionally surrounding said straight portion of said shackle and having a stud received normally in a transverse groove thereof but adapted for reception also in a longitudinal groove of said shackle portion, said sleeve having a transverse slot from its exterior to its interior, and an operating barrel rotatably surrounding said sleeve and having a stud extending inwardly through the aforesaid slot and normally received in a transverse groove of said straight shackle portion, the last named stud being adapted also for reception in a longitudinal groove of said shackle portion when the first named stud is similarly positioned, whereby the barrel and sleeve as a unit are longitudinally slidable with respect to the shackle.

1,542,017. AUTOMOBILE SIGNAL. WILLIAM F. TERRY, Washington, D. C. Filed June 13, 1923. Serial No. 645,171. 3 Claims. (Cl. 177—329.)



1. In combination with a vehicle, a combined emergency headlight and signal element mounted at each side and at the forward end of the vehicle for rotative adjustment thereon, means for securing the signals in adjusted positions, an illuminating element in each signal element and means for selectively or simultaneously controlling said illuminating elements, said signal elements each embodying means for directing a beam of light from the illuminating element thereof outwardly from the signal element in one direction, a second modulated beam horizontally outwardly from the signal element at substantially right angles to the first named beam and a third beam likewise modulated but differing from the second beam outwardly from the signal element in the opposite direction from and in alignment with said second beam.

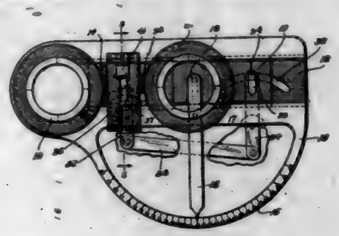
1,542,018. WASHING APPARATUS. WILLIAM B. TUNSTALL, Worcester, Mass. Filed May 19, 1922. Serial No. 562,080. 5 Claims. (Cl. 68—37.)



1. A washing apparatus comprising a platform, formed as a cover adapted to close the mouth of a tub, airforcing means fixed to and located above the platform;

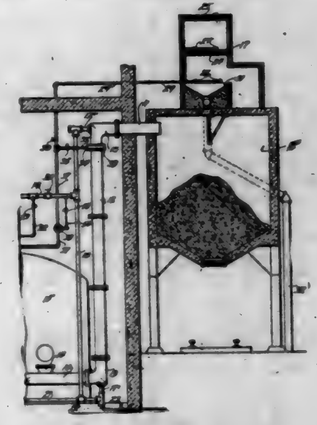
and air-conducting means fixed to the platform and including a flow conduit, adapted to conduct air downward to the lower portion of a tub, and a return conduit adapted to conduct air upward from the upper portion of the tub, said platform and the air-forcing and air-conducting means fixed thereto being applicable as a unit to a tub.

1,542,019. INSTRUMENT FOR MEASURING OPTICAL FRAMES. JOSEPH P. WHITAKER, Apponaug, and JOHN FIELDING, Providence, R. I. Filed June 8, 1923. Serial No. 644,286. 14 Claims. (Cl. 33—200.)



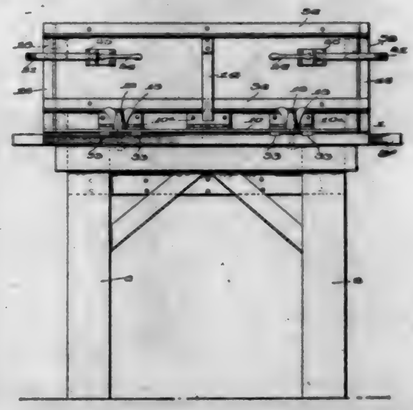
1. An instrument for measuring optical frames, comprising a pair of relatively adjustable members adapted to be spaced to receive eye wires of frames having different interpupillary distances, and means controlled by the relative movement of said members for indicating the interpupillary measurement of each frame positioned thereon.

1,542,020. ASH CONVEYER. CARL F. ZIMMERMANN, Chicago, Ill., assignor to Conveyors Corporation of America, Chicago, Ill., a Corporation of New York. Filed June 10, 1921. Serial No. 476,415. 3 Claims. (Cl. 302—20.)



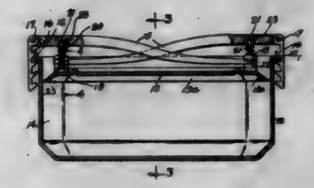
1. A steam ash conveyer system comprising a collecting receptacle for the ashes, a conveyer conduit discharging the ashes into said receptacle, a wash vent leading from said collecting receptacle, water spray nozzles discharging into said wash vent, a plurality of steam nozzles discharging into said conveyer conduit to impel the travel of ashes through said conduit, a steam supply pipe connected to said steam nozzles, means for controlling the flow of steam through said steam supply pipe, a water supply pipe connected to said water spray nozzles, a control valve in said water supply pipe comprising a normally closed movable valve element, an expansible chamber having its movable wall connected to said movable valve element, and a steam connection between said expansible chamber and said steam supply pipe for opening said water control valve when said steam nozzles go into operation.

1,542,021. MOLD FOR MAKING CONCRETE BLOCKS. CHARLES WILLIAM AKERS, Nashville, Tenn. Filed Sept. 27, 1924. Serial No. 740,360. 4 Claims. (Cl. 25—121.)



1. A concrete mold comprising adjusting plates, side plates hingedly connected with the adjusting plates, means for adjustably spacing the adjustable plates and side plates, end plates hingedly connected to one side plate, and means for releasably locking the opposite ends of the end plate to the other side plate.

1,542,022. OCTAGONAL HAM BOILER. HANS ADELMANN, New York, N. Y., assignor to Ham Boiler Corporation, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1925. Serial No. 19,264. 4 Claims. (Cl. 100—57.)



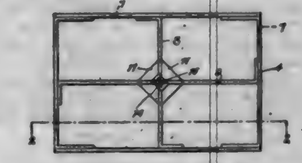
1. In a ham boiler, the combination with a receptacle and a cover therefor, of means for depressing said cover to bear down upon the contents of said receptacle and to lock said cover in depressed position, said means comprising a pair of levers extending across said cover, racks pivoted to an end of each of said levers and arranged to adjustably engage said receptacle at opposite points thereof, each of said levers having pivotal engagement at the other end thereof with said cover and at a point opposite to the location of its rack, resilient abutment means being provided for each lever at a point between the end thereof to resiliently depress said cover according to the adjustment of said racks, said resilient means being arranged in proximity to said racks and remotely from the opposite ends of said levers so as to provide space for a considerable deflection of said resilient means when said racks are adjusted.

1,542,023. TRUCK. THOMAS J. ALEXANDER, Selma, Calif. Filed Mar. 15, 1924. Serial No. 699,539. 6 Claims. (Cl. 214—82.)



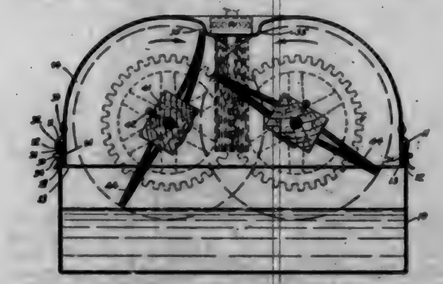
1. A wheeled truck having a continuous load bed and adapted for being up-ended, and for discharging its freight in that position by forwardly projecting its load-bed.

1,542,024. CHICK CONTAINER. PETER BAAR, Zeeland, Mich. Filed Aug. 4, 1924. Serial No. 729,868. 5 Claims. (Cl. 229—15.)



1. A chick container comprising a rectangular box divided into compartments, each compartment having an oblique wall at the center of the container.

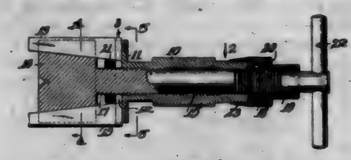
1,542,025. BRUSH CLEANER. CHARLES W. BALLMAN, Indianapolis, Ind. Filed Nov. 17, 1923. Serial No. 675,251. 8 Claims. (Cl. 15—88.)



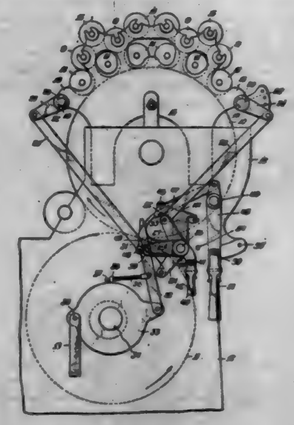
1. In a brush cleaner, the combination of a reservoir, a detachable cover therefor having a brush receiving slot therein, and means supported by the cover and movable into the reservoir when actuated for cleaning brushes inserted into said slot.

1,542,026. ADJUSTABLE INTERNAL GAUGE. JOHN BATH, Worcester Mass., assignor to John Bath & Co. Inc., Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 20, 1919. Serial No. 331,337. 10 Claims. (Cl. 33—178.)

1. An adjustable internal gauge comprising an elongated body, a pair of gauge bars mounted on the end of the body for radial movement only thereon and projecting lengthwise from the end of the body, a single operating member engaging both of said bars and effective to move said bars simultaneously radially when moved lengthwise of said body, and means to adjust said operating member lengthwise relatively to said body.

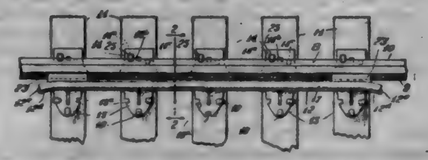


1,542,027. HAND AND AUTOMATIC ROLL TRIP. JOSEPH R. BLAINE, Chicago, Ill., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 17, 1921. Serial No. 492,882. 7 Claims. (Cl. 101—352.)



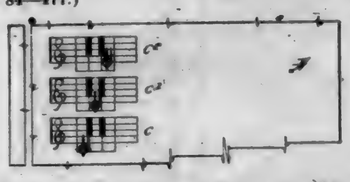
1. In a printing press, the combination of inking rolls, an operating cylinder having a journal, a member pivotally mounted thereon and normally operatively connected to said inking rolls for tripping the latter, means for releasing the operative connection between said member and rolls, and other means for tripping said rolls after releasing said operative connection.

1,542,028. GUARD-RAIL CONSTRUCTION. GROVER F. BLAIR, Bellevue, Ohio, assignor of one-half to Rolandis A. Blair, Fort Wayne, Ind. Filed May 7, 1924. Serial No. 711,560. 16 Claims. (Cl. 238—19.)



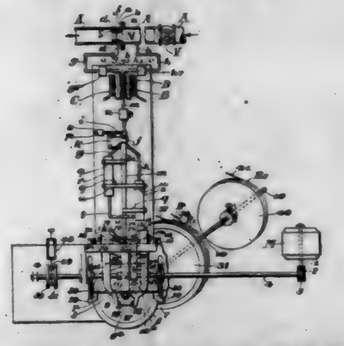
1. In a guard rail construction, the combination of supporting means adapted to be fixed against lateral movement away from a railroad rail, a member separable from said supporting means and having a plurality of wearing surfaces, and means for mounting said member upon said supporting means so that any one of said wearing surfaces may be readily brought into operative position.

1,542,029. INSTRUCTION ROLL. ISABELLE MCKEE BLOCH, Chicago, Ill., assignor to the Q R S Music Company, Chicago, Ill., a Corporation of Illinois. Filed June 3, 1922. Serial No. 565,691. 10 Claims. (Cl. 84—477.)



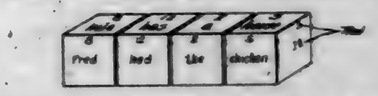
5. An instruction roll for utilizing automatic playing devices for teaching manual playing, having imprinted over the areas containing the slots for automatic playing, delineations of significant portions of the manual of the instrument with which the note sheet is designed to cooperate, the slots being cut through the delineation of the keys which correspond to the slots respectively.

1,542,030. CONTROL METHOD AND APPARATUS. EDWARD S. BRISTOL, Philadelphia, Pa., assignor to Leeds & Northrup Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 25, 1921. Serial No. 464,485. 58 Claims. (Cl. 137—78.)



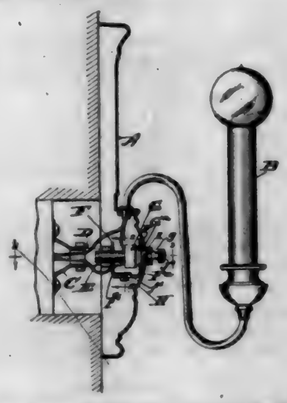
1. In a control system, structure actuated in response to changes in magnitude of a condition, a deflecting member mechanically connected with and actuated by said structure, a movable structure, a source of power, a disengageable mechanical connection between said source of power and said movable structure controlled by said deflecting member, and control mechanism controlled by said movable structure.

1,542,031. EDUCATIONAL DEVICE. LUCY M. BRUEN, Jamaica Plain, Mass., assignor to Milton Bradley Company, a Corporation of Massachusetts. Filed Feb. 2, 1924. Serial No. 690,172. 6 Claims. (Cl. 35—1.)



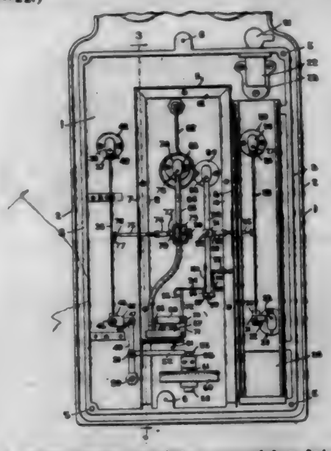
1. An educational device comprising a plurality of blocks, each block having an incompleted sentence or vocabulary unit and an index designation exhibited on one or more of its sides, said index designation being different for each block but the same on the various sides of each separate block, said blocks adapted to be differently arranged side by side according to predetermined combinations of said index designations whereby said vocabulary units form different completed sentences.

1,542,032. DEVICE FOR SUPPORTING ELECTRIC WALL BRACKETS. ROMULUS CAROSELLI, Detroit, Mich. Filed Dec. 1, 1924. Serial No. 753,404. 3 Claims. (Cl. 240—85.)



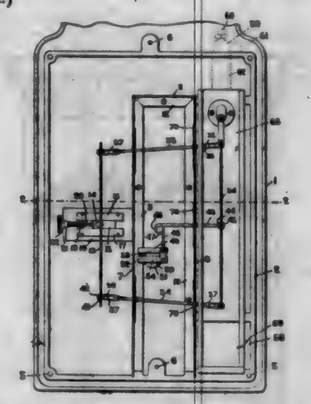
1. In a device of the character described, the combination of a hickey; an adjustable supporting fixture for a wall bracket comprising two telescoping L-shaped members, means for securing said members together when adjusted; an adjustable nipple screwed into the hickey and projecting through the wall of one of said L-shaped members; an electric switch adapted to be secured between the walls of the fixture by the adjustment of said nipple; an electric fixture including a wall bracket; a nut screwed to the switch extending through and overlapping the wall of said bracket, and means projecting through the nut for operating the switch.

1,542,033. THERMOSTATIC REGULATOR. EDWARD W. COMFORT, Winchester, and ALBERT W. THOMPSON, Lowell, Mass., assignors to Parks-Cramer Company, Boston, Mass., a Corporation of Massachusetts. Filed June 11, 1923. Serial No. 644,555. 15 Claims. (Cl. 236—44.)



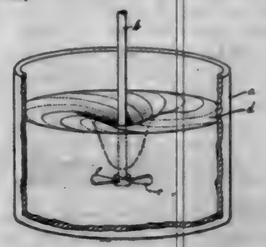
1. A thermostatic regulator comprising laterally distortional thermo-flexible members subject respectively to the dry and wet bulb temperatures of the air, supporting means for each of said members acting to prevent lateral movement of the ends thereof and an energy-controlling device differentially operable by the lateral distortional movements of said members.

1,542,034. THERMOSTATIC REGULATOR. EDWARD W. COMFORT, Winchester, and ALBERT W. THOMPSON, Lowell, Mass., assignors to Parks-Cramer Company, Boston, Mass., a Corporation of Massachusetts. Filed June 11, 1923. Serial No. 644,556. 24 Claims. (Cl. 236—44.)



1. A thermostatic regulator comprising a base, two thermo-flexible members subject respectively to different temperature conditions, means supporting the same upon said base to utilize relative lateral movement between the middle and the ends of each of said members when subjected to variations in temperature, an energy-controlling device fixed on said base and means operable by the differential action of the lateral deflections of both of said members to actuate said energy-controlling device.

1,542,035. DISPERSION OF BITUMINOUS MATERIALS AND PROCESS OF MAKING SAME. MARK R. CONE, Baltimore, Md., assignor to The Union Trust Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 30, 1923. Serial No. 642,872. 37 Claims. (Cl. 134—1.)

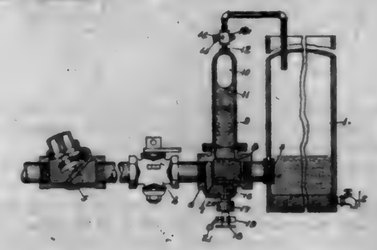


1. In a process of dispersing a herein described heat liquefiable substance in a liquid ordinarily immiscible therewith, the steps which include subjecting said substance in a fluid state to tension and accelerated motion in the presence of said liquid.

1,542,036. TANK-DISCHARGE-CONTROLLING DEVICE. RUDOLPH CONRADES, Erie, Pa. Filed Apr. 9, 1919. Serial No. 288,867. 14 Claims. (Cl. 137—68.)

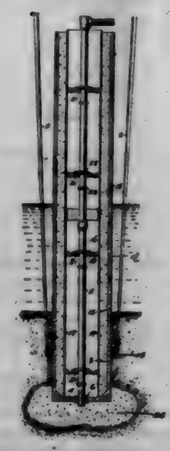
1. In a tank discharge controlling device, the combination of a valve body having a valve passage therethrough and a seat; a float chamber above the seat; a float in the chamber; and a valve directly connected to and controlled by the float and operating on the seat, said float chamber being of sufficient height to maintain when filled the float and valve above the draft of the fluid passing through the seat.

8. In a tank discharge controlling device, the combination of a valve body having a valve passage therethrough and a seat; a float chamber above the seat; a float in the chamber; and a valve controlled by the float and operating on said seat, said chamber trapping the air after a discharge operation and maintaining a liquid level operating on the float below the connected tank level whereby the float may remain on the seat and affect a closure.



11. The combination of a conduit; means acting with the introduction of air from the conduit to said means for closing the conduit; and devices for discharging the air so introduced.

1,542,037. PROCESS OF AND APPARATUS FOR MAKING CONCRETE STRUCTURES. CARLOS E. CORTES, Martinez, Calif., assignor to Shell Company of California, a Corporation of California. Filed Mar. 8, 1922. Serial No. 542,029. 9 Claims. (Cl. 61—57.)

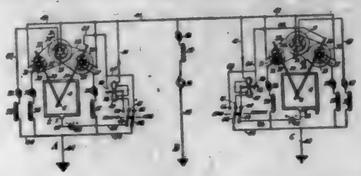


1. The process of forming a concrete pile in situ comprising forming a sectional concrete casing about a mandrel, filling the space between the casing and the mandrel with concrete, lowering the filled casing and removing the mandrel therefrom after the filled concrete has set.

1,542,038. TELAUTOGRAPH APPARATUS. ALBERT V. T. DAY, Paris, France. Continuation of application Serial No. 450,843, filed Aug. 26, 1908. This application filed Nov. 15, 1916. Serial No. 131,443. Renewed Oct. 7, 1924. 11 Claims. (Cl. 178—19.)

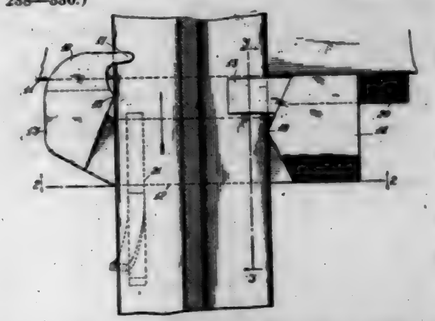
1. An electric system for transmitting chirographic or other movements, comprising a common transmitting circuit, means for superposing thereon a number of component currents characterised by periodic variations of different frequencies, means for producing in each com-

ponent current a phase variation corresponding to one respective component of the movement to be transmitted, and reproducing means controllable by the trans-



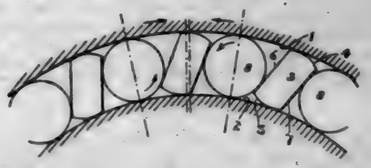
mitting circuit and responsive to the phase variation in each component current to reproduce the component of movement corresponding thereto.

1,542,039. RAIL ANCHOR. WILLIAM H. DE BUSK, Chicago, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed June 28, 1924. Serial No. 721,862. 13 Claims. (Cl. 238—330.)



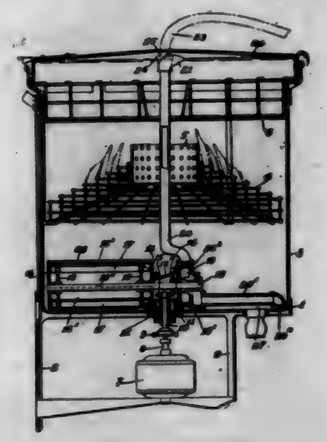
1. A rail anchor comprising a rigid body adapted to extend across beneath a rail, rigid bearings on said body adapted to engage the side faces of the flange of the rail, other rigid bearings on said body adapted to engage the top and bottom faces of the flange of the rail, and a bearing on said body adapted by engagement with the cross tie when there is a tendency for the rail to creep to swing the anchor slightly with respect to the rail for causing a tight operative shackle grip upon the side faces of the flange and also on the top and bottom faces of the flange at the side of the rail adjacent the tie engaging portion of the anchor.

1,542,040. PAWL MECHANISM. DIMITRI SENSAUD DE LAVAUD, Paris, France. Filed May 14, 1923. Serial No. 638,940. 1 Claim. (Cl. 74—16.)



In a pawl mechanism, the combination with a pair of spaced concentric surfaces, of a plurality of prisms having parallel faces and cylindrical surfaces connecting said parallel faces and in eccentric relation to each other, and rollers arranged between said prisms and engaging the flat sides thereof and holding the curved surfaces in contact with the spaced concentric surfaces.

1,542,041. DISHWASHING MACHINE. CHARLES F. DOBLE, Wollaston, Mass. Filed July 10, 1922. Serial No. 574,059. 8 Claims. (Cl. 141—9.)



1. In a dish washing machine, a tank, means for supporting dishes therein, a rotary propeller and a rotary pump mounted within said tank, for simultaneous rotation about a common horizontal axis, and effective to project water upwardly past and downwardly upon the dishes, and means for simultaneously revolving said propeller and pump about a common vertical axis, whereby to project the water against the dishes in a revolving sheet.

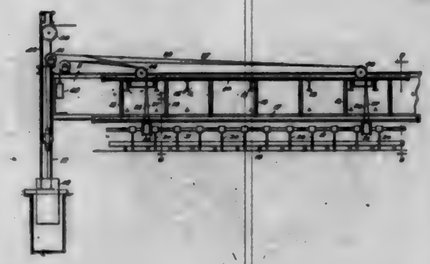
1,542,042. RAIL ANCHOR. PATRICK H. DONOVAN, Chicago, and LAURENCE J. BERKELEY, Evanston, Ill., assignors to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 22, 1923, Serial No. 670,020. Renewed Sept. 27, 1924. 34 Claims. (Cl. 238—329.)



1. A rail anchor comprising a jaw member for engaging one edge of a rail base and a toggle member interposed between the rail and the jaw member to effect a toggle grip on the rail during the presence of creeping pressure.

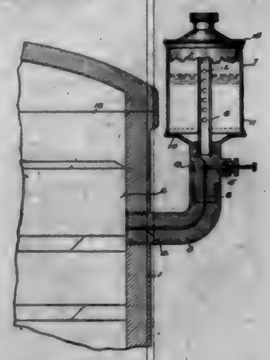
1,542,043. APPARATUS FOR HANDLING RAILS. WILLIAM T. DRAKE, Harrisburg, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Nov. 21, 1922. Serial No. 602,460. 11 Claims. (Cl. 266—6.)

1. In a device of the class described, the combination with a bed for heated steel rails and a device supported above the bed for treating a heated rail with fluid under pressure, of mechanism for lifting a heated rail from



the bed to said device along an arcuate path, holding it in position to be treated, and lowering it again to the bed.

1,542,044. OIL CUP. LESLIE CARL DUTRO, Long Beach, Calif. Filed July 26, 1923. Serial No. 653,994. 2 Claims. (Cl. 184—58.)



1. An oil cup for lubricating engines, comprising a container formed with a bottom having a boss or hub, said boss or hub having a threaded socket and a restricted passage-way extending from the socket, a needle valve arranged in said hub and adapted to restrict said passage-way according to the position of the valve, a tubular member screwed into said socket extending to near the top of said container, said tubular member having a plurality of apertures arranged therein at different levels, and a member having a restricted passage-way connected with said hub and adapted to connect said cup with an engine cylinder at a point covered by the piston of the engine when starting its power stroke.

1,542,045. CALISTHENIC TOY. PETER ESSER, Clifton, N. J. Filed Oct. 11, 1921. Serial No. 507,113. 5 Claims. (Cl. 46—45.)

1. A toy comprising a wheeled dirigible platform, a single hollow standard thereon, a spindle revoluble transversely in said standard at the upper end thereof, cranks on the ends of said spindle, a manikin journalled above its center of gravity on one of said cranks whereby it is caused to move reciprocatively in a substantially vertical plane, a U shaped loop fixedly carried by said spindle diametrically opposite the crank, the bight of said loop passing under said manikin when the latter is raised and over the manikin when in its lowermost position, a figural element actuated by the other crank,

said element having weighted feet to extend nearly to said platform and maintain the element erect by gravity, a positive gear drive wholly within said standard for



actuating said spindle, said means being actuated by the wheels of said platform upon movement thereof, and a motor for propelling said platform.

1,542,046. REBOUND CHECK. SAMUEL S. FALKINBURG, Chicago, Ill. Filed Aug. 25, 1924. Serial No. 734,046. 5 Claims. (Cl. 267—60.)

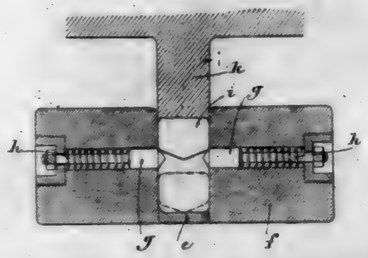


1. A rebound check comprising a strap adapted to pass beneath an axle, an extensible spring connected at its lower end to the upper part of the strap, the upper end of the spring formed into an eye, a hooked bolt passing through the eye, an angle member having a hole in one flange for receiving said bolt, the other flange of the angle member adapted to engage over a frame part above the axle, the angle member arranged between the spring eye and the hooked end of the bolt and means for drawing and holding the hooked end of the bolt and the angle member clamped against and upon a frame member as and for the purpose specified.

1,542,047. MANUFACTURE OF DIES, MATRICES, PUNCHES, AND LIKE OBJECTS MOLDED IN THE HOT STATE. LAURENT FERRARI, Beausoleil, France, assignor to The Societe Francaise pour l'Exploitation des Procedes Canaval-Ferrari, Beziers, Herault, France. Filed Aug. 16, 1922. Serial No. 582,173. 3 Claims. (Cl. 76—107.)

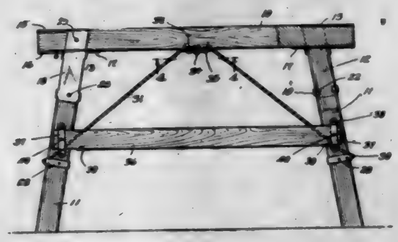
1. A process of manufacture of dies, matrices, punches, and like pressed or molded objects, consisting in preparing by fusion an alloy which is malleable at a relatively low temperature, said alloy being subsequently

cast in molds so as to constitute a piece which is then suitably brushed, and strongly compressed in the hot state whereby it shall be rendered perfectly homogeneous and shall be given a conical form, said piece of alloy being then polished, brushed and heated in order to



render it malleable, and is then placed in the apparatus serving to press strongly together the said piece and a patrix used for making the impression, said apparatus being so disposed that the piece of alloy shall come into contact with the patrix at the time when the pressure is applied.

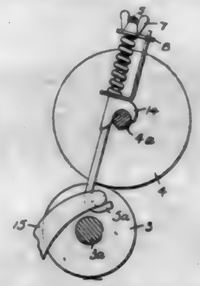
1,542,048. MECHANIC'S HORSE. JAMES FORESTER, New York, N. Y. Filed Aug. 6, 1923. Serial No. 655,902. 6 Claims. (Cl. 304—5.)



1. The herein described bracket for connecting the legs to the beam of a mechanic's horse, said bracket comprising a keeper and a shell portion integral therewith, said keeper constituting a loop for surrounding the beam and having a horizontal opening for receiving the beam and comprising top and bottom members extending parallel to each other outward beyond the side portions of the loop, said bottom member extending also inward beyond the side portions, and said shell portion extending downward from said side portions of the loop and comprising two divergent flat side panels and bracing means for stiffening them and assisting in holding the legs within the shell.

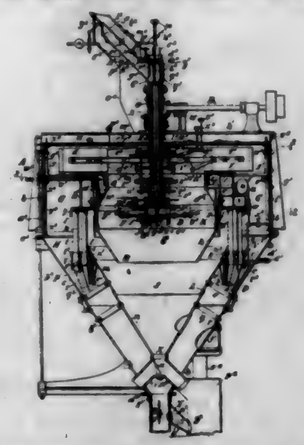
1,542,049. DEVICE FOR INDICATING SPRING PRESSURE UPON SPINNING-MACHINE ROLLERS. WILLIAM JAMES FOURACRE and ALLAN FOURACRE, Harden, near Bingley, England. Filed Aug. 29, 1924. Serial No. 734,915. 3 Claims. (Cl. 265—1.)

1. In a spinning machine, the combination of a shaft, a roller supported by the shaft to rotate about the axis thereof, a second roller arranged to rotate in peripheral contact with the first said roller, a relatively stationary member having a threaded stem extending across the axis of the first said roller, a slide fitted on said stem and having a lateral projection extending across and bearing against the shaft supporting the first said roller, a coiled spring surrounding the stem and tending to move the slide to maintain contact between the rollers, a nut mounted on the stem and movable



thereon to vary the strength of the spring, and means for indicating the location of the nut on the stem in any adjusted position.

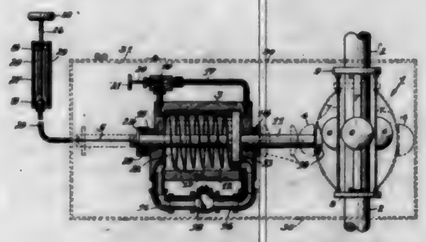
1,542,050. AIR SEPARATOR. GEORGE HOLT FRASER, Brooklyn, N. Y. Filed Mar. 8, 1919, Serial No. 281,445. Renewed Sept. 19, 1924. 90 Claims. (Cl. 83—40.)



2. In combination, a casing enclosing a chamber, an upper receptacle within said casing having upper and lower openings communicating with said chamber or wall, a lower receptacle within said casing having an open upper end spaced from said upper receptacle and affording communication between said chamber and said lower opening, means for feeding material to be separated into said upper receptacle, means for causing a fluid current to flow through said upper receptacle into said chamber and return between said receptacles to said lower opening, a filter for intercepting particles floating in such current from said chamber toward said lower opening, and an adjustable valve surrounding said filter for varying the space through which return current may flow thereto.

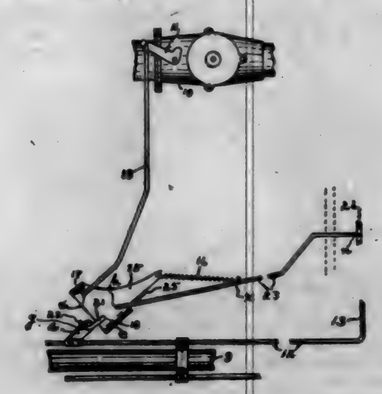
1,542,051. CIRCUIT BREAKER FOR MOTOR VEHICLES. CHARLES L. GEDNEY, St. Paul, Minn. Filed July 27, 1921. Serial No. 487,830. 8 Claims. (Cl. 123—146.5.)

4. In a device of the class described, a cylinder adapted to be filled with a liquid, a piston in said cylinder, a conduit for liquid between the ends of said cylinder, a spring to resiliently hold said piston at one end of its stroke, a switch adapted to be actuated to stop the vehicle motor when said piston is in a predetermined position, means for holding said piston out of said pre-



determined position when the vehicle is in motion and manually operated means for drawing said piston temporarily out of said predetermined position when the vehicle is stationary.

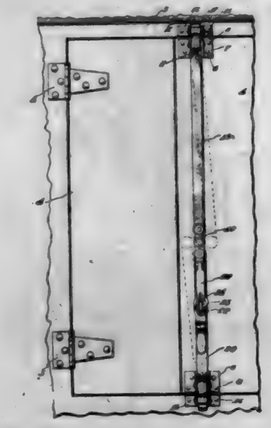
1,542,052. FOOT ACCELERATOR. ALEXIS F. GILLET, Omaha, Nebr., assignor to Jubilee Manufacturing Company, Omaha, Nebr., a Corporation. Filed Feb. 5, 1925. Serial No. 7,160. 5 Claims. (Cl. 74—39.)



1. In a foot control for the valve-lever of a carbureter throttle, the combination with a manually rotatable operating-rod having a fixed arm, of a swivel-post pivotally connected with said arm, a bell-crank pivotally connected with the swivel-post and provided with a stop-member, a throttle-rod pivotally connected at its respective ends with the bell-crank and said valve-lever, a foot-control-rod pivotally connected with the bell-crank, and a resilient element connecting the bell-crank with the foot-control-rod normally maintaining said foot-control-rod in engagement with said stop-member, said foot-control-rod being movable against the force of said resilient element into disengaged relation with the stop-member for moving said throttle-rod.

1,542,053. CAR-DOOR FASTENER. WILLIAM R. GILLIES, Chicago, Ill., assignor to Equipment Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed May 12, 1923. Serial No. 638,507. 4 Claims. (Cl. 292—48.)

1. The combination with a car having a door hinged to swing around a vertical axis, cam hooks pivotally mounted upon the door at its upper and lower edges and adapted to move relatively to the door around axes parallel with the plane of the door, car carried keepers disposed above and below the door opening, and exterior of the car surface, said keepers comprising portions behind which said cam hooks may engage, and means for



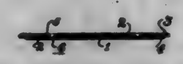
swinging said cam hooks outwardly to engage behind said keeper portions when the door is to be fastened and for retracting said cam hooks when the door is to be unfastened.

1,542,054. HYDRAULIC RECOIL CHECK. STEFAN GOSOS, Chicago, Ill. Filed May 14, 1924. Serial No. 713,183. 2 Claims. (Cl. 188—80.)



1. In combination, a closed casing adapted to be filled with liquid, a movable partition extending across said casing and dividing it into two chambers, said partition consisting of two telescoped parts and springs between said parts tending to increase the effective length of the partition and permitting the effective length to be automatically decreased to provide a passage between said chambers, and means for moving said partition.

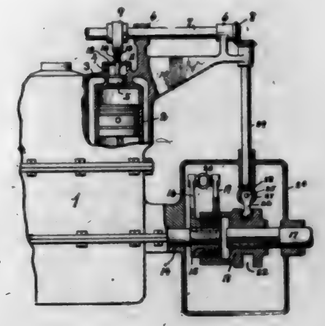
1,542,055. ANTIFRICTION INSERT FOR SPRINGS. ARTHUR V. GULLBORG, Chicago, Ill. Filed Jan. 5, 1923. Serial No. 610,766. 4 Claims. (Cl. 267—49.)



1. The combination with a leaf spring, of strips of relatively soft material positioned between the leaves thereof, relatively hard anti-friction members between

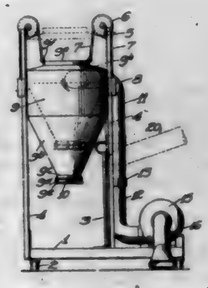
said leaves associated with said strips of material, and raised resilient portions on the strips of material for preventing the entrance of foreign material between the spring leaves.

1,542,056. ENGINE. MAURICE GUY and JOSEPH J. RUIN, Detroit, Mich. Filed May 4, 1923. Serial No. 636,572. 5 Claims. (Cl. 123—78.)



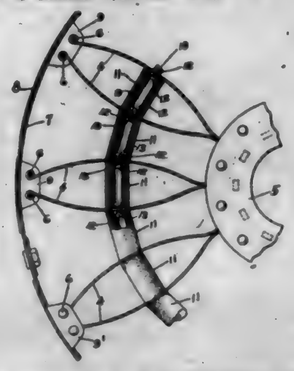
3. In an internal combustion engine, an explosion chamber, a piston to vary the volume thereof, a rotatable cam to move the piston, a crank shaft and a power transmitting device attached thereto comprising a driving and a driven part and a spring between them, said driven part being rotatable relative to the driving part in proportion to the force transmitted, and means connected to the driven part and to the cam to rotate the cam in proportion to the force transmitted and so vary the volume of the explosion chamber.

1,542,057. PORTABLE COOLING, TURNING-OVER, AND SACKING APPARATUS. OLAV HOYDEN, Point Loma, Calif. Filed Mar. 23, 1922. Serial No. 546,197. 5 Claims. (Cl. 302—17.)



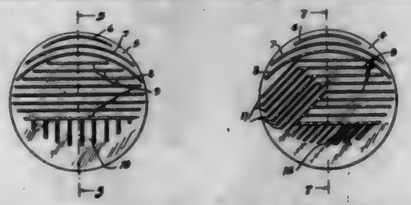
1. In an apparatus of the class described, a truck, a suction nozzle secured to said truck, spaced from and obliquely with the floor, a suction producing means secured to said suction nozzle, support members extending upwardly from said truck, a cyclone hopper adjustably suspended from said support member and conductors communicating with said suction producing means at one end and tangentially with the cyclone hopper at the other.

1,542,058. VEHICLE WHEEL. ADELBERT F. KELLY, Spokane, Wash. Filed Feb. 12, 1923. Serial No. 618,550. 6 Claims. (Cl. 152—51.)



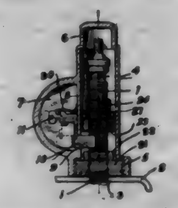
1. In a vehicle wheel, the combination of a hub, a rim, and pairs of intermediately bowed resilient spokes connecting the hub and rim, with resilient means interposed between the bowed portions of the members of each pair.

1,542,059. SYSTEM OF AUTOMOBILE LIGHTING. FRANK A. KENNEY, Denver, Colo. Filed Jan. 19, 1924. Serial No. 687,217. 6 Claims. (Cl. 240—48.4.)



1. A system of road illumination for automobiles comprising two spaced headlights having reflectors, lamps and lenses, both of said lenses having means for deflecting upwardly inclined rays from the lamps downwardly upon the road and for permitting horizontal rays to pass through unaffected and the righthand lens having additional means for deflecting a portion of the rays downwardly and to the right.

1,542,060. TIRE LOCK. JAMES G. KING, Edgewater, Colo., assignor to J. L. Bruns, Denver, Colo. Filed Aug. 31, 1923. Serial No. 660,848. 7 Claims. (Cl. 70—122.)



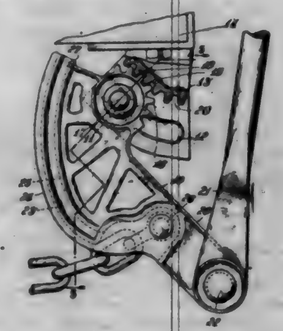
1. In combination, a threaded stem, a nut threadedly connected thereto, a tubular casing adapted to surround said stem and nut, said tubular casing and nut being freely movable relative to each other, and movable locking means carried by the tubular casing for engaging said nut when the tubular casing is moved in one direction, whereby the tubular casing will be held against longitudinal movement.

1,542,061. PASSENGER-IDENTIFICATION DEVICE. JOHN G. KING, Morristown, N. J. Filed May 22, 1923. Serial No. 640,695. 2 Claims. (Cl. 40—10.)



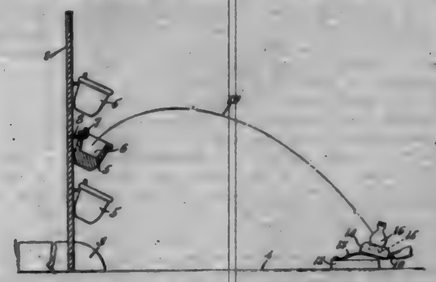
2. In a device of the kind described comprising a backing plate, a ticket with slots in opposite edges, and headed studs to hold the plate permanently on a support and to hold the ticket removably in place at the slots.

1,542,062. BRAKE-OPERATING MECHANISM. AUGUSTUS F. KLASING, Chicago, Ill., assignor to The Klasing Car Brake Company, a Corporation of Colorado. Filed June 17, 1921, Serial No. 478,258. Renewed Jan. 24, 1923. 11 Claims. (Cl. 74—110.)



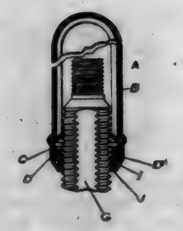
1. In brake operating mechanism, the combination of members angularly disposed with respect to one another and each movable in substantially the direction of its length, a rolling element to transmit movement from one of said members to the other and a fixed member on the car upon which the aforesaid element rolls in a path inclined downwardly away from the brakes, the inclination of which is less as said element approaches the limit of its travel.

1,542,063. GAME APPARATUS. SIDNEY W. KNIGHT, London, England, assignor to Parker Brothers, Salem, Mass., a Corporation of Maine. Filed Oct. 21, 1924. Serial No. 744,933. 2 Claims. (Cl. 273—105.)



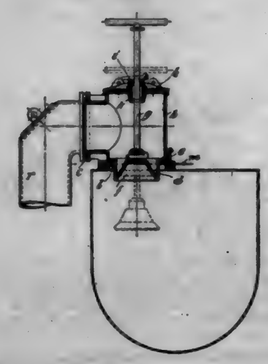
1. A game board comprising a flat board, a hook thereon, a bucket, means on said bucket for suspending engagement with said hook, slots in the lower edge of said board and correspondingly slotted supporting strips adapted for interlocking therewith and retaining the board in upright position.

1,542,064. DUST CAP. HENRY P. KRAFT, Ridgewood, N. J.; Edgar J. Phillips and Earl A. Darr executors of the will of said Henry P. Kraft, deceased. Filed Dec. 24, 1920. Serial No. 432,966. 1 Claim. (Cl. 152—12.)



A dust cap or the like, having a clamping ring, and means for forcibly contracting the same to clamp the cap to a valve casing or the like, said clamping ring having a threaded interior, and the threads of the ring being of less depth than the threads of the valve casing.

1,542,065. COKE-OVEN GAS-MAIN VALVE. HEINRICH KOPPERS, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 31, 1921. Serial No. 497,362. 11 Claims. (Cl. 251—167.)

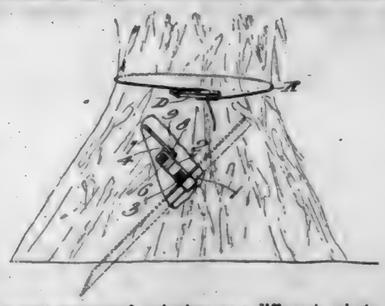


4. A stop valve for dry receivers in chamber ovens for producing gas and coke, comprising, in combination with the casing box and valve seat, a cover for the box, a valve cone pressing outwardly against its valve seat, said valve seat being adapted for removal through the casing box after the cover of said box is removed, said valve seat being removably secured in place by obliquely inclined pressure screws that are adjustable from the outside of said casing box, and a slot in the box casing adapted to receive a sheet metal slide after the valve seat is removed in order to close the opening between the receiver and the casing box.

1,542,066. TEMPORARY SHOCK SUPPORT. THOMAS LEWIS, New Cumberland, Ohio. Filed Mar. 15, 1923. Serial No. 625,381. 8 Claims. (Cl. 56—131.)

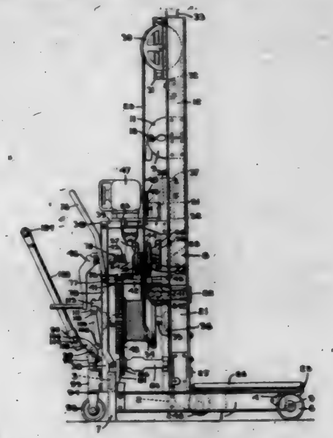
1. A temporary shock support comprising a stake to be driven into the earth, a pair of arms intermediate the ends of said stake normally diverging from each

other in a plane substantially at right angles to the stake, and means pivotally and frictionally mounting the arms on the stake for inward swinging toward each



other, and downward swinging on a different axis to a position parallel with the stake, when the device is withdrawn from a completed shock.

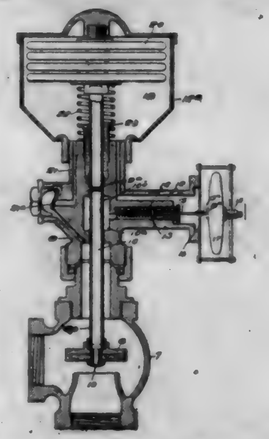
1,542,067. HOISTING MACHINE. RALPH M. LOVEJOY, Meredith, N. H., assignor to Lewis-Shepard Company, South Boston, Mass., a Corporation of Massachusetts. Filed July 12, 1922. Serial No. 574,517. 8 Claims. (Cl. 192—15.)



1. A hoisting device comprising load supporting means, means for raising said load supporting means including co-operating rotatable clutch members, means for preventing retrograde rotation of one of said clutch members, progressively movable controlling means operable to release said clutch members from effective engagement and means for restoring said clutch members into effective engagement upon interruption of the progressive movement of said controlling means.

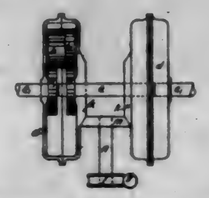
1,542,068. CONTROLLING DEVICE FOR HEATERS. JAMES MCALEAR and ERNEST W. RIESBECK, Chicago, Ill., assignors to The McAlear Mfg. Co., Chicago, Ill., a Corporation of Illinois. Filed June 16, 1917. Serial No. 175,392. 5 Claims. (Cl. 236—42.)

1. A controlling and regulating device for heaters comprising a valve casing, a valve therein for controlling the admission of the heating fluid to the heater, a valve stem connected with said valve, a controlling element responsive to variations in temperature directly connected with said valve stem for moving it so as to move said valve, a portion of said valve casing being provided with a passageway, a connection between said passageway and the admission side of said valve so that the heating fluid may pass up into said passageway when said valve is closed or open, a controlling valve for said passageway, a thermostatic device mounted on said casing and responsive to variations in temperature of the apartment to be heated for controlling said controlling



valve, said passageway leading to said controlling element so that when said latter valve is open the heating fluid acts upon said controlling element to cause the valve stem to be moved, a retracting device for said controlling element, said valve casing provided with a second passageway through which water of condensation returns, and a check valve for controlling said latter passageway.

1,542,069. DIFFERENTIAL GEAR. ERIC WILLIAM MACKAY-WHITE, Edmonton, Alberta, Canada. Filed Sept. 11, 1922. Serial No. 587,597. 1 Claim. (Cl. 180—17.)



In differential gears of the planetary type, a pair of rotating members in the form of gear casings, driving and driven shafts forming bearings for said members and operatively connected therewith, driving gears mounted on said driving shafts, driven gears mounted on said driven shafts, communicating gears multiplied in numbers and journalled on bearings in said casings and connecting said driving and driven gears, outer gears secured to said casings, a cooperating gear and a worm wheel shaft bringing the latter gear into coaction with said casing outer gears, and a worm coacting with a worm wheel on said worm wheel shaft in affecting the locking or partial locking of the planetary system.

1,542,070. STEM HANDLE. HARRY E. MCKEE, Brooklyn, N. Y. Filed Mar. 17, 1924. Serial No. 699,676. 5 Claims. (Cl. 251—150.)

5. A valve stem having a screw threaded outer portion, a handle having a hub engageable on said threaded portion, spaced radial teeth on the end of said hub, a

clamp nut engaged on the exterior of said hub, to envelop the screw threads thereon, said nut having a wrench engaging portion and containing an axial shouldered recess through which said stem extends, a collar slid-



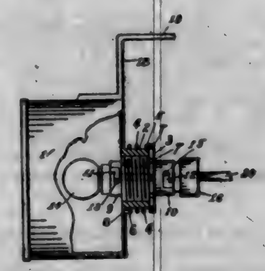
able on the end of said stem, said stem having a squared portion at the base of its screw-threads to which said collar is fitted, and teeth on one end of said collar engageable with the teeth of said hub, the opposite end of said collar abutting the shoulder in said nut.

1,542,071. SOCKET WRENCH. WILLIAM D. MCKEON, Worcester, Mass., assignor of one-half to Arthur R. Petterson, Worcester, Mass. Filed Jan. 18, 1924. Serial No. 687,106. 5 Claims. (Cl. 81—60.)



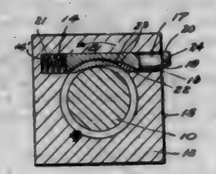
1. As an article of manufacture, a wrench comprising a handle and a head, said head being of general cylindrical form and having sockets of different sizes in the opposite ends and being provided with a stud near the center thereof projecting therefrom substantially at right angles to the axis of the head and the handle having a recess substantially at right angles to its length and another extending longitudinally in which said stud can be rotatably located for the purpose described.

1,542,072. AUTOMOBILE LAMP. PRICE H. MCNEILL, Olympia, Wash. Filed Sept. 4, 1924. Serial No. 735,872. 2 Claims. (Cl. 240—7.)



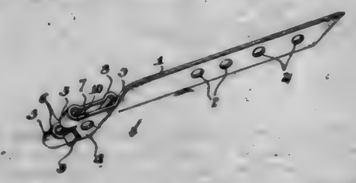
1. In an automobile lamp, an aperture formed in the body of the lamp, an externally screw threaded plug adapted to engage internal screw threads formed in the said aperture and adapted to receive an electric light bulb, a flange formed on one end of the said plug having slots formed in the periphery of said flange, a helical spring, having one end adapted to engage the slots formed in the periphery of said flange, the opposite end of said spring adapted to engage an aperture formed in the lamp body thereby securely locking said plug in position, substantially as shown and described.

1,542,073. NUT LOCK. ROBERT W. MARTIN, Glenoma, Wash., assignor to R. W. Martin Company, Tenino, Wash., a Corporation of Washington. Filed Dec. 22, 1922. Serial No. 608,412. 1 Claim. (Cl. 151—26.)



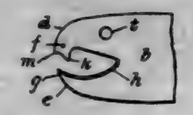
A nut having a chamber extending thereinto from one of its peripheral faces and arranged to have the longitudinal axis of the chamber inclined with respect to the plane of the end bearing surface of the nut and substantially tangent with the internal threaded surface of the nut, said chamber having at its outer end a restricted opening to afford a stop thereat, a pin in said chamber, said pin having intermediate its length an arcuate recess, said pin being provided longitudinally thereof with a ridge which extends into said recess, said pin having an end of reduced diameter which extends from a shoulder on the pin through said restricted opening, said shoulder cooperating with said stop to limit the outward movement of the pin with respect to the chamber, and a spring provided in said chamber and acting against the pin to protrude the end of the latter from said chamber.

1,542,074. ELECTRIC GROUND CLAMP. WALTER S. MAYER, Philadelphia, Pa. Filed Feb. 24, 1922. Serial No. 538,898. 7 Claims. (Cl. 173—273.)



1. An electric clamp comprising an integral strip of material having a section adapted for engaging a conduit, a section adapted for engaging a conductor, a lug for spacing said sections apart and means comprising a bolt passing through both of said sections for drawing said section first named against said lug and said conductor against said section second named.

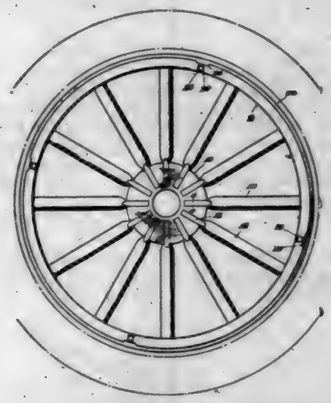
1,542,075. DEVICE FOR OPENING TINS, CANS, CARTONS, AND THE LIKE. JOHN DOUGLAS MITCHELL, Stocksfield, England. Filed Sept. 18, 1921. Serial No. 500,327. 2 Claims. (Cl. 30—3.)



1. A can opener comprising a leverage member provided with two oppositely disposed coacting jaws, forming an incising jaw and a hooking jaw, said hooking jaw being provided at its forepart with a hooking member comprising a laminal tooth or lug formed to lie approximately over the forepart of said incising jaw and sub-

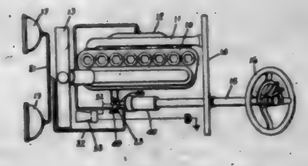
stantially in co-planar alignment therewith, the inner wall of the said tooth or lug being formed to droop downwards abruptly from the palate portion of the said hooking jaw, the said tooth or lug being thus formed as a distinct drooping offset from the interior roof portion of the palate of the hooking jaw, the organization being such that the hooking member will first securely engage the bead, fold, corner or similar part of a can in a hook like manner during the working can incising stroke of the incising jaw and subsequently act as a fulcrum will towards the forepart of the said incising jaw to admit of the effective use of the latter as an outwardly cutting can cutter.

1,542,076. VEHICLE WHEEL. FREDERICK L. MINNICK and HIGHLAND Z. DEAN, Ellensburg, Wash., assignors to Dean-Minnick Steel Wheel Company, Seattle, Wash., a Corporation. Filed May 6, 1924. Serial No. 711,427. 4 Claims. (Cl. 301—80.)



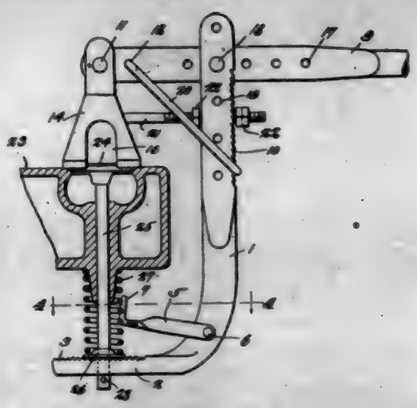
4. In a metallic vehicle wheel, a hub having radial slots therein opening through the side faces of the hub, spokes provided at their inner ends with terminals inserted in said slots, the terminals being normally wider than the hub to project it at the side faces thereof, and locking ribs swedged from the projecting portions of said terminals to overhang the side faces of the hub.

1,542,077. HEADLIGHT AND SIGNAL CONTROL FOR VEHICLES. JOHN C. MOORE, Connersville, Ind. Filed July 2, 1921. Serial No. 482,052. 4 Claims. (Cl. 177—311.)



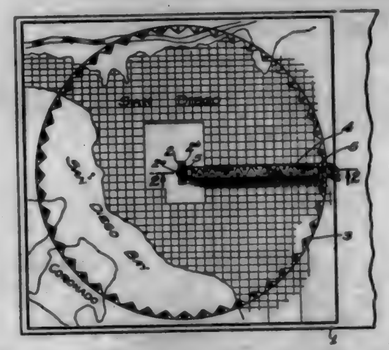
1. The combination with a vehicle having a steering post, and movable means for projecting a beam of light on the ground at different distances from the vehicle, of a single means for independently operating said signal and moving said movable means including a rod and means for slidably and rotatably mounting said rod on said steering post.

1,542,078. VALVE-SPRING COMPRESSOR. MAYWOOD C. MORGAN, Portsmouth, Ohio. Filed Apr. 28, 1922. Serial No. 557,163. 6 Claims. (Cl. 29—86.3.)



1. A device of the class described comprising a main member provided at one end with a transverse foot and having a longitudinal rack; a head cooperating with the foot to compress a valve-spring; a brace carried by the head and receiving the main member slidably; a lever; pivot elements connecting the lever with the main member and with the head; and a latch mounted pivotally on the lever and coacting with the rack to hold a valve-spring compressed.

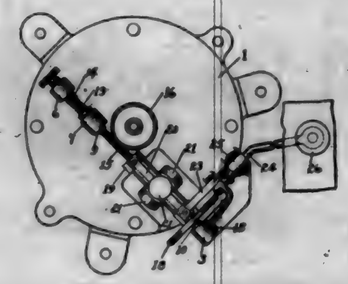
1,542,079. LOCATION-INDICATING MEANS FOR MAPS. ANN MULLIGAN, San Diego, Calif. Filed Sept. 15, 1924. Serial No. 737,775. 11 Claims. (Cl. 35—6.)



1. In a means of the class described, a map structure provided with a perforation, and a flat shiftable indicator provided with graduated characters rotatably mounted about said perforation at its one end and adapted to be shifted through said perforation.

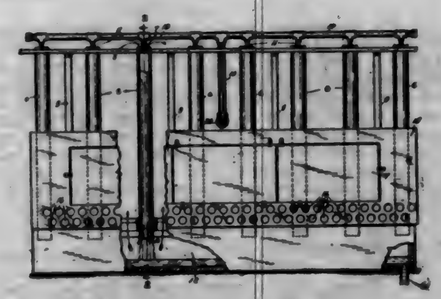
1,542,080. SPEED GOVERNOR. THOMAS J. MURPHY, Astoria, N. Y., assignor of one-half to James P. B. Duffy, Rochester, N. Y. Filed Apr. 3, 1924. Serial No. 704,006. 2 Claims. (Cl. 188—187.)

1. In a speed governor, the combination of a part to be governed, a rotary element, gear means connecting said part and element to rotate the latter, means supporting said element for rotation and also for axial movement produced by variation in the force transmitted by said gear means, adjustable resilient means resisting said axial movement of said element, centrifugal speed means



including a part carried by said element and actuated by said centrifugal means and also by said axial movement of said element for maintaining the speed of the latter constant.

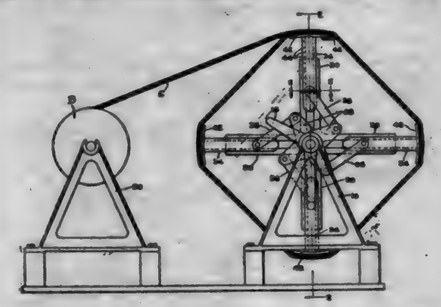
1,542,081. REFRIGERATING DEVICE. ROBERT BRUCE MUSSER, Seattle, Wash. Filed June 30, 1921. Serial No. 481,456. 3 Claims. (Cl. 261—116.)



1. A refrigerating device embodying a compartment; one or more vertically disposed cylinders therein, extending from near the ceiling of said compartment to near the floor thereof; a nozzle axially disposed in the upper end portion of said cylinder; a trough disposed beneath the lower end portion of said cylinder; a pipe connecting said nozzle with a source of refrigerating fluid; a second pipe connecting said trough with said source of refrigerating fluid; and means whereby said fluid may be jetted from said nozzle against the walls of said cylinder, whereby the air from the upper portion of said compartment may be forced downwardly, by means of said jet action and by reason of the weight of the cooled air through said cylinder and ejected from the lower end portion of said cylinder.

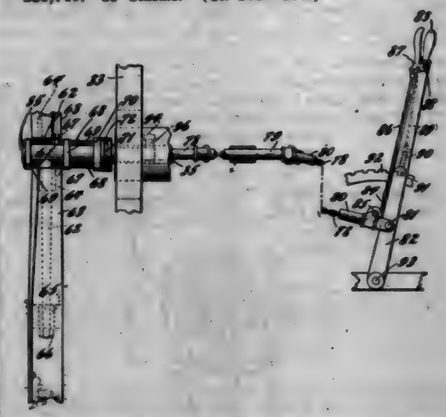
1,542,082. CORD WINDING AND CUTTING DEVICE. CHRISTIAN V. NELSON, Minneapolis, Minn., assignor to Washburn Crosby Company, Minneapolis, Minn., a Corporation. Filed Feb. 2, 1926. Serial No. 6,272. 3 Claims. (Cl. 242—113.)

1. A cord winding and cutting device comprising a rotatable shaft, a plurality of bars arranged in parallel spaced relation around said shaft, means connecting the ends of said bars with said shaft, a clip attached to one of said bars for securing the end of cord which is to be wound, and a knife guide secured to said clip bearing bar in parallel spaced relation to a longitudinal edge



thereof whereby the wound cord may be cut into pieces of uniform length by drawing a knife between said guide and the adjacent edge of said bar.

1,542,083. PROPELLER APPARATUS. MOSES C. NIXON, Chicago, Ill. Filed Apr. 12, 1919. Serial No. 289,740. 39 Claims. (Cl. 170—163.)

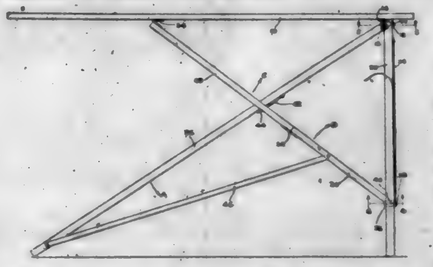


18. In a propeller apparatus, the combination with a revoluble shaft, propeller blades mounted on said shaft and arranged to be rotatably adjusted about an axis at right angles to the axis of said shaft, the base of said blades each being formed adjacent one side with an arcuate series of holes arranged concentric of its axis of adjustment and provided adjacent the opposite side with a turning pin, a locking member for each blade carried by said shaft and arranged to cooperate with any one of said holes, a frame carried by and mounted to slide axially of said shaft, said frame including bars provided with a plurality of cam surfaces adapted to cooperate with said locking member to intermittently engage and disengage them and also bars provided with a plurality of contact faces arranged to intermittently cooperate with said turning pins during disengagement of said locking members, whereby said blades may be locked in different positions of adjustment and shifted from one position to another, and means for shifting said frame.

25. In a propeller apparatus, the combination with a revoluble shaft, propeller blades mounted on said shaft and arranged to be rotatably adjusted about an axis at right angles to the axis of the revoluble shaft, means adapted to turn said blades about their axis during rotation of said shaft, and releasable means carried by said shaft and resiliently actuated to lock said blades in adjusted position whereby said blades may be unyieldingly

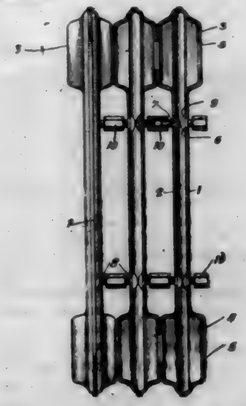
locked in extremes and intermediate positions, said locking means being operatable during rotation of said shaft, and means by which the locking means may be released during rotation of the revoluble shaft.

1,542,084. IRONING TABLE. KEMUEL B. OLANDER, Minneapolis, Minn. Filed Sept. 28, 1923. Serial No. 665,440. 3 Claims. (Cl. 68—10.)



1. An ironing table comprising an ironing board, a pair of legs pivotally attached to the front of said board, a rearwardly extending support pivotally attached to the front of said board and occupying a downwardly inclined position when the table is set up for use, toggle arms hinged together and having the upper arm hinged to an intermediate portion of said board and the lower arm hinged to said legs near their lower ends, a stop carried by said support and adapted to engage the lower side of said toggle arms, and a connecting bar pivoted at one end to the rear portion of said support and pivoted at the other end to an intermediate portion of said lower arm.

1,542,085. RADIATOR. ANTON PERSSON, Charleroi, Pa. Filed May 22, 1924. Serial No. 715,066. 1 Claim. (Cl. 257—140.)



In a radiator, a plurality of sections each comprising halves welded together along their margins, each half being formed with upper and lower square perforations, adjusting screws formed with square shoulders disposed in the said square perforations, and a turnbuckle connecting the reversely threaded ends of said screws.

1,542,086. BEDSPRING STRETCHER. GEORGE H. PHILP, Los Angeles, Calif. Filed Nov. 5, 1923. Serial No. 672,840. 2 Claims. (Cl. 140—110.)

1. In a bed spring stretcher, a pair of parallel bars, means for clamping said bars together with a bed spring interposed therebetween, a series of internally threaded members on one of said bars adapted to be adjusted to various positions longitudinally of the bar, threaded



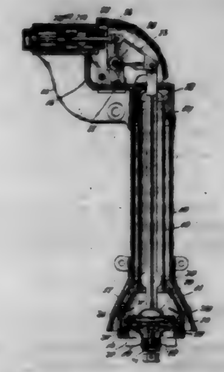
shafts engaging said members, and means for supporting said shafts against longitudinal movement on a spring frame.

1,542,087. RING SPRING. PHILIP PROEL, New Dorp, N. Y. Filed Oct. 22, 1924. Serial No. 745,051. 3 Claims. (Cl. 63—17.)



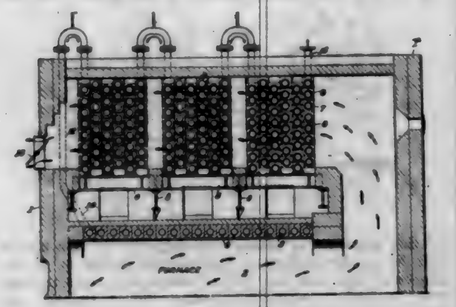
3. The combination with a ring, of a filler arranged to be secured therein at a portion thereof, said portion having a surface formed to lie in close contiguity to the inner surface of said ring, an inwardly extending cup being formed in said portion having its opening in the surface of contact between the filler and the ring, and solder within said cup to secure the filler to the ring, said solder being confined within said cup by the ring acting as a closure therefor at said surface of contact to prevent spreading of the solder and injury to the ring while the filler is being attached.

1,542,088. THERMOSTATIC CELL. EDWARD C. POST, Chicago, Ill., assignor to Vapor Car Heating Company, Inc., Chicago, Ill., a Corporation of Illinois. Filed May 26, 1924. Serial No. 716,006. 5 Claims. (Cl. 207—9.)



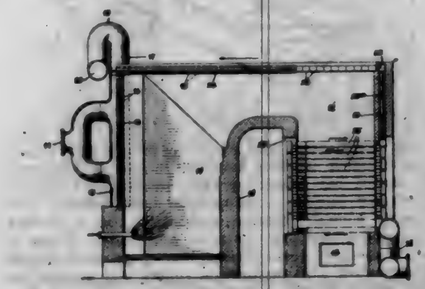
1. In a thermostatic device, an expansible metal cell to contain a thermostatic fluid, having a flexible side wall formed with a single concavity to provide for expansion under internal pressure having a central indentation to prevent snap action.

1,542,089. OIL HEATER. JOHN PRIMROSE, Dongan Hills, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed May 4, 1920. Serial No. 378,989. 21 Claims. (Cl. 196—110.)



1. In an oil heater the combination with a furnace chamber, of a roof therefor comprising oil conducting pipes, blocks of refractory non-metallic material surrounding the said pipes to control the absorption of heat by the oil and prevent the dissociation of oil therein, and banks of oil conducting pipes having heating surfaces thereon through which the oil flows after passing through the first mentioned pipes, said last mentioned banks being disposed in the path of the hot gases from the furnace chamber.

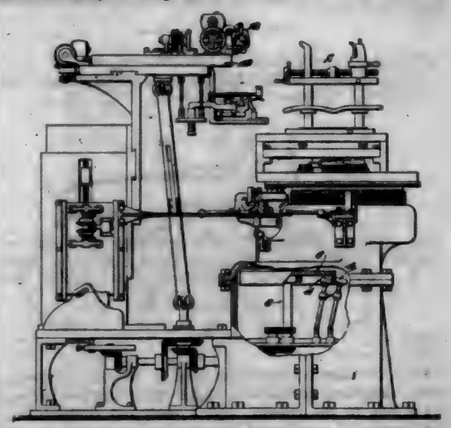
1,542,090. OIL HEATER. JOHN PRIMROSE, Dongan Hills, N. Y., assignor to Power Specialty Company, New York, N. Y., a Corporation of New York. Filed Mar. 19, 1923. Serial No. 626,239. 8 Claims. (Cl. 196—110.)



8. An oil heater comprising a plurality of horizontally extending vertically superimposed tubes disposed to define one wall of a furnace chamber, a second bank of horizontally extending tubes disposed side by side and defining the roof of the furnace chamber, a third bank of tubes disposed in the path of the hot gases and cast iron casings upon a portion of said roof tubes and said tubes in the path of the hot gases for the purpose described.

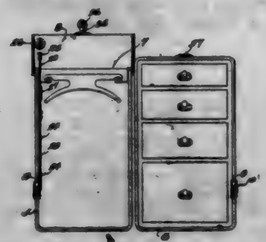
1,542,091. AUTOMATIC SHOE MACHINE. EDWIN J. PRINDLE, East Orange, N. J., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Original application filed July 31, 1916, Serial No. 112,291. Divided and this application filed Oct. 17, 1919. Serial No. 331,293. 18 Claims. (Cl. 12—17.)

1. A shoe machine, having, in combination, means for supporting a shoe, a mechanically actuated tool for operating progressively upon portions of the shoe, mechanism for relatively feeding the shoe to the tool, and means



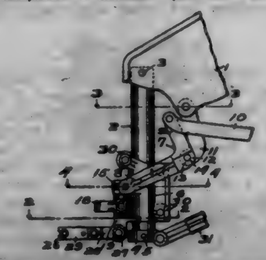
responsive to variations in the relative speeds of the feed and tool for synchronizing the speed of the tool actuating means with the feeding mechanism.

1,542,092. TRUNK LOCK. MARTIN RASMUSSEN, Racine, Wis., assignor to Hartmann Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed July 7, 1923. Serial No. 650,187. 5 Claims. (Cl. 292—99.)



1. In a trunk lock, a keeper member; an oscillatable locking member provided with a recess and a toe adapted to engage said keeper member and draw it into said recess; means movable in one direction by a trunk section for oscillating said locking member; and additional means for moving said last named means in the other direction.

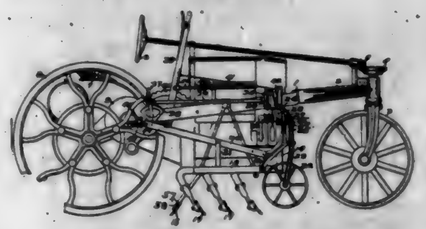
1,542,093. ADJUSTABLE TRACTOR HITCH. SAMUEL W. RAYMOND, Adrian, Mich. Filed May 18, 1922. Serial No. 561,833. 5 Claims. (Cl. 280—33.44.)



1. In a tractor hitch, a vertical member connected to the tractor, a hitch block slidably located on the member and rotatable relative thereto, a bifurcated lever

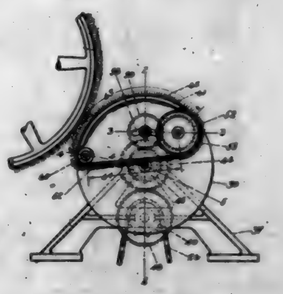
having arms located on opposite sides of the hitch block and connected to the hitch block for raising and lowering the hitch block.

1,542,094. TRACTOR CULTIVATOR. SAMUEL W. RAYMOND, Adrian, Mich. Filed Oct. 2, 1922. Serial No. 591,686. 6 Claims. (Cl. 97—47.)



1. In a tractor cultivator, a pair of side harnesses each comprising a frame, a toggle joint interconnecting the frame to the tractor, and a push rod connected to the tractor at a point at the rear of the frame and to the forward end of the frame for applying pressure at a point near the forward end of the frame for moving the frame with the tractor, means for limiting the movement of the toggle for determining the lateral position of the frame relative to the center line of the tractor.

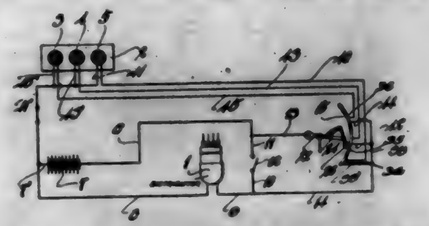
1,542,095. INSULATING MACHINE. JOHN J. REINHOLD, Marietta, Pa. Filed Nov. 25, 1921. Serial No. 517,726. 4 Claims. (Cl. 117—40.)



1. The combination with a frame structure rotatably mounted, of an endless belt having teeth and carried by said frame structure, said endless belt being so arranged that a portion only thereof forms a true arc concentric with the center of rotation of said frame structure, and propelling means arranged to progressively move said endless belt when said frame structure is rotated.

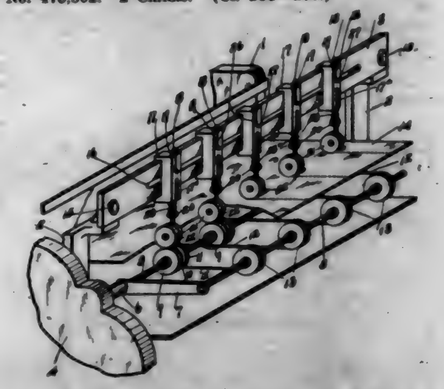
1,542,096. THERMOELECTRIC INDICATOR. ROYAL N. RIBLET, Spokane, Wash., assignor of one-half to Weston J. Hobbs, Spokane, Wash. Filed Apr. 27, 1920. Serial No. 376,993. 1 Claim. (Cl. 177—351.)

A combined temperature signal system and ignition cut-off for internal combustion engines comprising in combination, a plurality of distinctive electric signals, separate circuits for said signals, a control device for said circuits comprising a plurality of insulated overlapping conducting segments and an insulating segment at the termination of the conducting segments, each conducting segment being included in one of said circuits respectively, a cooperating contact device engageable progressively with said conducting segments and included in each said circuits, means exposed to the engine temperature for controlling the position of the contact device and thereby selectively energize said signals, an ignition circuit for the engine, said ignition circuit including therein the contact device in series and the con-



ducting segments in parallel whereby the ignition circuit will be maintained when the contact device is in engagement with any one of the conducting segments and will be broken when the contact device engages the insulating segment.

1,542,097. PERFORATING ATTACHMENT. ALBERT E. RIPLEY, Ray City, Mich. Filed June 6, 1921. Serial No. 475,302. 2 Claims. (Cl. 164—100.)



1. The combination with a printing press having a pair of spaced apart brackets mounted thereon, a longitudinally slotted bar connecting said brackets and detachably secured thereto, a plurality of heads slidably and adjustably mounted thereon, perforating means carried thereby and comprising relatively wide rollers having a plurality of small teeth formed thereon grooved, driven rollers beneath said perforating rollers and adapted to impart motion thereto and in which the said perforating teeth travel, and means on the heads for maintaining a pressure on the perforating rollers for positively moving the stock over the grooved rollers.

1,542,098. COMPOSITE PACKING MATERIAL. CHARLES T. RIPLEY, Chicago, Ill. Filed June 19, 1922. Serial No. 569,433. 4 Claims. (Cl. 308—243.)



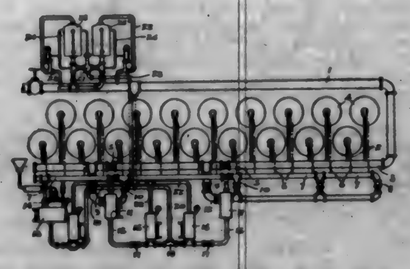
1. Journal box packing material comprising a mass of fibrous material capable of absorbing oil and a plurality of coiled springs embedded therein, both extremities of each spring being bent back.

1,542,099. FISHING TOOL. THERON M. ROGERS, Fellows, Calif. Filed May 17, 1924. Serial No. 713,999. 7 Claims. (Cl. 294—114.)



1. A fishing tool comprising a bell open at its lower end, and a helical track in the bell extending to the lower end thereof.

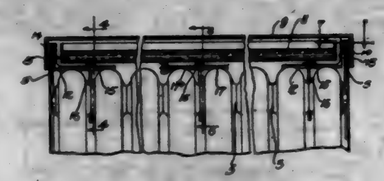
1,542,100. SYSTEM OF STEAM DISTRIBUTION AND CONDENSATION CONTROL. WILLIAM HUGH ROSS, Toronto, Ontario, Canada. Filed Sept. 14, 1922. Serial No. 588,274. 5 Claims. (Cl. 34—43.)



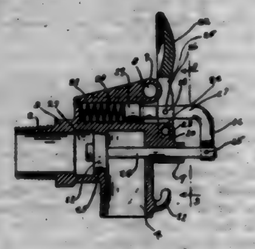
4. A system of steam distribution and condensation control, comprising the combination with a steam generator, of a plurality of batteries of individual heating units, a steam line leading directly from a steam generator to the first of said batteries, a return steam pipe forming an unobstructed collector of the low pressure steam and condensate from said battery, a separator adapted to remove the condensate from the exhaust steam, means for directing the dry steam from the separator to the secondary battery, an equalizer tank adapted to receive the condensate from the separator, means for elevating the condensate to a point above the generator, and means for discharging the elevated condensate into the generator.

1,542,101. TOP INCLOSURE FOR RADIATORS. PAUL E. SCHLEICHER, Chicago, Ill. Filed June 28, 1924. Serial No. 722,978. 4 Claims. (Cl. 237—79.)

2. In a radiator cover, a back plate, brackets secured to the upper side edges of the back plate, each bracket having a series of holes, a support having prongs adjustably engaging the holes in each bracket, means for clamping said supports upon a radiator, a humidor supported upon said supports, means for holding said brackets in spaced relation and a cover fitting over the tops of said brackets and back plate.



1,542,102. VALVE. FRIEDRICH SETTE, Iron Ridge, Wis., assignor of one-fourth to Frances Sette and one-fourth to Madia Sette, both of Milwaukee, Wis. Filed July 31, 1922. Serial No. 578,331. 3 Claims. (Cl. 251—134.)



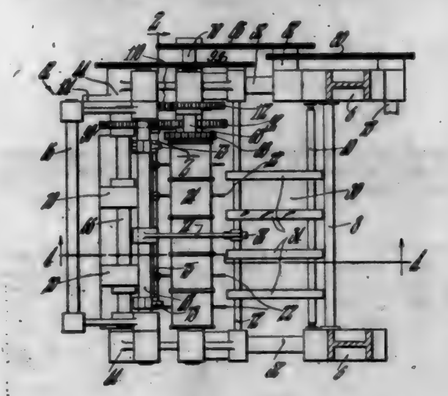
1. In a valve including a unitary body portion having a passageway therethrough, a valve seat in said passageway, and a valve adapted to co-operate with said valve seat, the combination with a valve stem on said valve and projecting outwardly of said body portion, of a rod having a portion thereof substantially parallel to said valve stem and having one end secured thereto, a plunger on the other end of said rod, said body portion being provided with a cylindrical aperture closed at one and surrounding said plunger, a spring interposed between the closed end of said aperture and said plunger, and a lever pivoted intermediate its ends to an intermediate portion of said rod and at one end to said body portion.

1,542,103. SKATE WHEEL. ALVIN H. SHOEMAKER, Seattle, Wash. Filed Apr. 25, 1922. Serial No. 556,414. 4 Claims. (Cl. 208—181.)



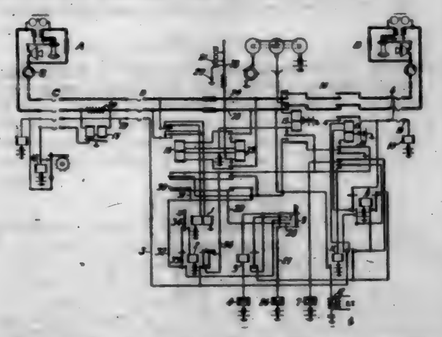
1. A skate wheel embodying a bearing member, two discs of elastic material disposed near the respective ends of said bearing member and forming treads, spacing means of less diameter than said discs interposed between said discs and means on the ends of said bearing member for compressing said discs against said spacing means.

1,542,104. STRIP FEEDING, CUTTING, AND DELIVERING MECHANISM. ELMER LOVELL SMITH, Springfield, Mass., assignor to Package Machinery Company, Springfield, Mass., a Corporation of Massachusetts. Filed Nov. 15, 1921. Serial No. 515,264. 10 Claims. (Cl. 164—68.)



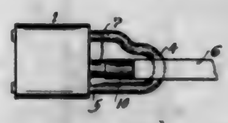
1. In a mechanism of the class described, a drive shaft, a knife roll and a bed roll arranged to receive a strip of paper therebetween, the bed roll being provided with a knife receiving slot, a knife carried by the knife roll disposed tangentially thereof for severing pieces from the strip, mechanism for advancing a strip to the said rolls, means connecting the drive shaft and advancing means for driving the latter continuously, means connecting the knife roll and bed roll for driving the same in unison, elliptical gears connecting the knife roll and drive shaft that are arranged for unlimited adjustment angularly of their respective shafts whereby the knife and bed roll may be driven at a variable speed with respect to the advancing mechanism.

1,542,105. MEASURED-SERVICE AUTOMATIC TELEPHONE SYSTEM. PERCY C. SMITH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 20, 1922. Serial No. 569,700. 6 Claims. (Cl. 179—9.)



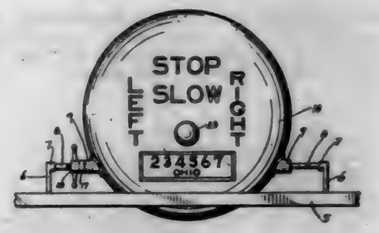
1. In a telephone system, calling and called telephone lines, an automatic switch for interconnecting the same wherein said called lines terminate in groups, meters for said calling lines, a relay included in said switch responsive to the removal of the receiver of the called line for supplying current to the calling line of the proper character for operating the calling line meter, another relay, means for operating the same when any one of certain predetermined groups is selected by said automatic switch whereby said first mentioned relay is prevented from responding to the removal of the receiver of the called line, and means for supplying talking current to the calling line.

1,542,106. PADLOCK. FORREST H. SPENCER, Spirit Lake, Idaho. Filed June 9, 1924. Serial No. 718,781. 4 Claims. (Cl. 70—108.)



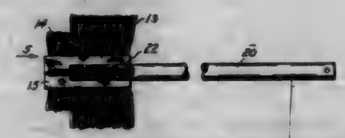
1. The combination with a lock and its hasp, of a tensioning device comprising a cup integral with the lock, a reintively movable member carried by the cup, and a spring within the cup urging said member to bear against a lock support.

1,542,107. COMBINATION TIRE CARRIER AND BUMPER. JOHN G. SUTHERLAND, Oakwood, Ohio. Filed Aug. 3, 1923. Serial No. 655,441. 4 Claims. (Cl. 293—55.)



1. In a device of the type described, the combination with a bumper frame attachable to an automobile, of a tire carrier swiveled within said frame for a turning movement from a vertical to a horizontal position.

1,542,108. BOTTLE CLEANER. GEORGE E. TAYLOR, Auburn, Mass. Filed May 23, 1923. Serial No. 640,962. 3 Claims. (Cl. 15—211.)



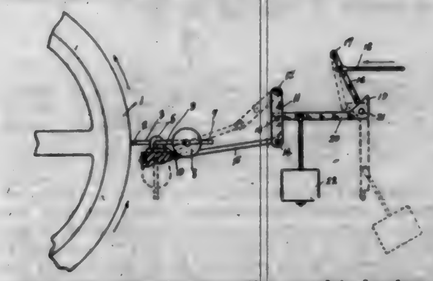
1. As an article of manufacture, a mop for cleaning bottles and the like comprising a handle having a central longitudinal slit at the end, two layers of woven textile material located inside the slit and projecting beyond the end of the handle, and two series of strands of flexible fibrous material held between the two layers of fabric at their centers and projecting therefrom at the sides, one series of strands being located in the part of the two layers of textile material projecting beyond the end of the handle and constituting an end mop flexibly supported by the projecting part of the flexible material.

1,542,109. PLATFORM SCALE. WILLIAM H. TAYLOR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed June 12, 1924. Serial No. 719,469. 4 Claims. (Cl. 265—71.)



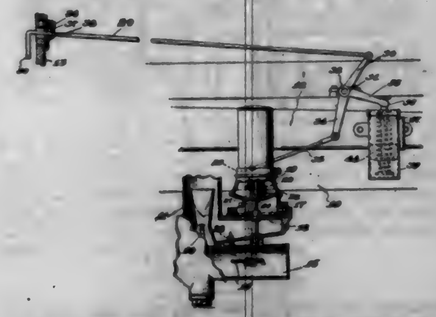
1. A pivot link for scales having an opening and a passageway leading thereto, lugs adjacent said passageway, a locking plate having an offset flange for engagement with a face of said link, and projections on said locking plate for bending over said lugs to hold the plate in locking position.

1,542,110. TRIP DEVICE FOR PREVENTING BREAKAGE OF TRANSMISSION ROPES. SAMUEL TEMBEY, Nanaimo, British Columbia, Canada. Filed Oct. 30, 1924. Serial No. 746,907. 4 Claims. (Cl. 192—120.)



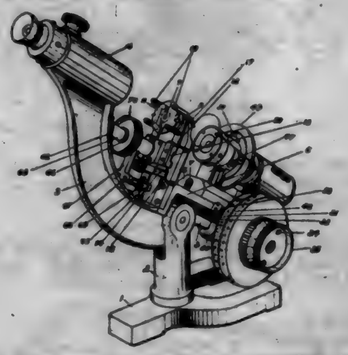
1. A trip device for preventing complete breakage of transmission ropes after partial breakage comprising, a weighted lever upturned and pivoted at one end, withdrawable means maintaining said lever normally horizontal, and means adapted to be actuated by an outflying rope strand to withdrw the withdrawable means clear of the lever.

1,542,111. INTERNAL-COMBUSTION ENGINE. MILTON TIBBETTS, Detroit, Mich., assignor to Packard Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 7, 1922. Serial No. 527,535. 17 Claims. (Cl. 123—124.)



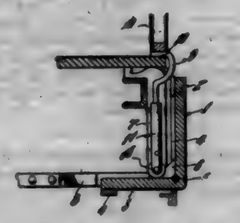
1. In an internal combustion engine, the combination of a mixture device therefor, means for varying the mixture, a manually operated device to move said varying means from normal position, automatic means for returning said varying means to normal position upon manual release thereof, and means governing the action of said automatic means.

1,542,112. LENS-TESTING INSTRUMENT. EDGAR D. TILLYER, Southbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Apr. 10, 1922. Serial No. 551,081. 24 Claims. (Cl. 88—56.)



1. An instrument of the character described, including a standard lens, spaced independent targets disposed in different meridians and movable in and longitudinally of the optical axis of said standard lens, and a cylindrical lens attached to one of the targets for throwing a constant amount of astigmatism within the lens system of said instrument, to compensate for the minimum separation of the targets.

1,542,113. DISAPPEARING STEP. CARL H. VOGEL, Buffalo, N. Y. Filed Apr. 14, 1924. Serial No. 706,471. 2 Claims. (Cl. 280—166.)



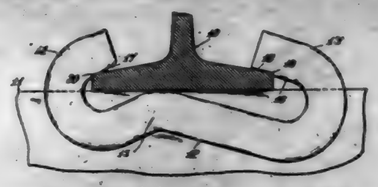
1. In a vehicle, a step member of angle shape in cross section and composed of a step part and a riser part, means for pivotally supporting the step member in the vehicle body under the door thereof and a rod having its upper end connected with the door and a lower part engaging the step member for tilting the member on its pivot when the door is opened or shut.

2. In a vehicle, a step member of angle shape in cross section and composed of a step part and a riser part, means for pivotally supporting the step member in the vehicle body under the door thereof, a member on the door engaging the step member for moving the same, such means comprising a rod connected with the bottom of the door and having a spring pressed telescopic part on its lower end and a roller on said part for engaging the step member.

1,542,114. RAIL ANCHOR. HAROLD G. WARE, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Original application filed Aug. 2, 1923, Serial No. 655,240. Divided and this application filed Apr. 7, 1924. Serial No. 704,676. 10 Claims. (Cl. 238—330.)

1. A rail anchor adapted to be driven transversely of a rail to its applied position comprising a rail base embracing yoke provided with jaws having portions for

engaging the upper surfaces of a rail base adjacent opposite edges thereof and with abutments adapted to bear against the vertical edges of the said base; the body of



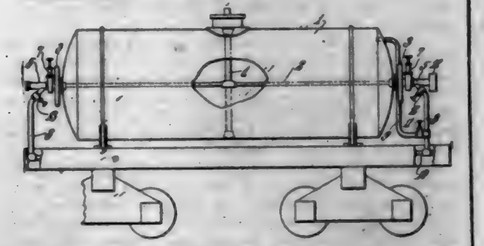
the yoke being bent to provide a seat adapted to bear against the under-surface of the rail base at a point nearer one of said jaws than the other.

1,542,115. FOOD-STORING DISHES. ADOLPH O. WEIS, Cleveland, Ohio. Filed Oct. 25, 1924. Serial No. 745,836. 3 Claims. (Cl. 65—15.)



1. The combination with an elongated dish, of a multiple number of smaller dishes upon which said larger dish is superimposed, said larger dish being provided with depending transverse and longitudinal flanges upon its bottom wall, and with a marginal shoulder, said shoulder being engageable with the upper edges of said smaller dishes, said longitudinal flanges being cut away to permit the bottom of said larger dish to overlap the adjacent upper edges of said smaller dishes.

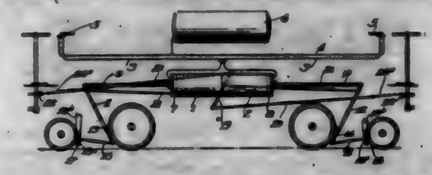
1,542,116. TANK CAR. RUDOLPH WELCKER, Springfield, Mass. Filed May 9, 1923. Serial No. 637,910. 4 Claims. (Cl. 105—231.)



1. In a railroad train a plurality of tank cars, each having in combination a discharge pipe connected to the discharge pipes of the other cars, means to apply air pressure to the top of the liquid in each tank and means to apply air pressure directly to the discharging body of liquid in said discharge pipe whereby the liquid in one car may be discharged through the discharge pipe of an adjacent car as well as through its own discharge pipe.

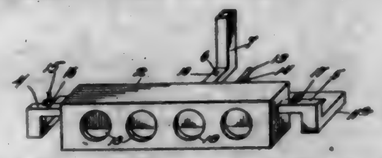
1,542,117. AIR-BRAKE-CONTROL APPARATUS. FRANK WEST, East San Diego, Calif. Filed Oct. 21, 1920. Serial No. 418,405. 4 Claims. (Cl. 303—6.)

1. An air brake control apparatus for vehicles, including a compressed air tank, a one piece compound cylinder, air conductors connecting said tank with the outer ends of the separate compartments in said cylinder, means for controlling the flow of air from said compressed air tank to said cylinder, a piston reciprocably mounted in each compartment of said cylinder adapted to be forced inwardly by the compressed air, a tension



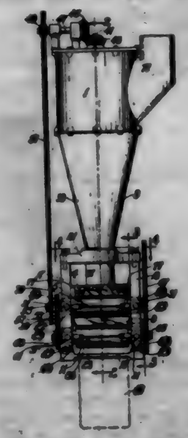
rod connected to each of said pistons and extending from the outer ends of said cylinder, a brake lever with one end connected to each of said tension rods connected with the other end of each of said levers and with the front and rear ends of said vehicle, and brake shoes connected with each of said levers and links.

1,542,118. WINDOW-GLASS APPARATUS. WILLIAM WESTBURY, Caney, Kans. Filed Feb. 19, 1923. Serial No. 619,927. 1 Claim. (Cl. 49—53.)



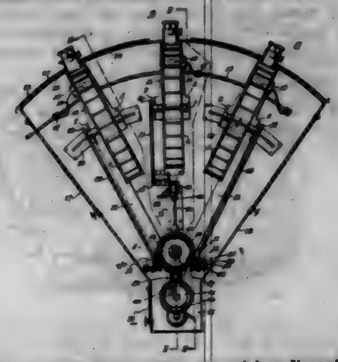
In glass making apparatus, a kiln having a plurality of openings, conduits communicating at one end with the kiln at opposite points thereof, a flue connected to the opposite ends of the conduits and open at one end, a stack connected to the other end of the flue, a valve for establishing communication between the rear end of either of the conduits and the open end of the flue and between the rear end of the other conduit and the stack, means for discharging a combustible mixture into the kiln from the conduit in communication with the open end of the flue, to sustain combustion in the kiln, and means for facing pots in the kiln through the openings of the latter.

1,542,119. METHOD OF AND APPARATUS FOR COMPRESSING AMORPHOUS CARBON. GEORGE H. WEBSTER, Chicago, Ill. Filed Nov. 30, 1923. Serial No. 677,904. 10 Claims. (Cl. 18—8.)



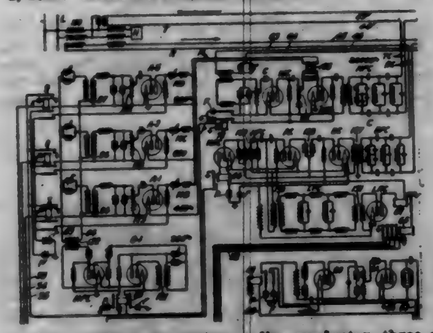
7. The method of compressing loose amorphous carbon, which comprises progressively compressing said loose carbon and simultaneously conveying the same to an enclosed receptacle from which the carbon is forced past compressing rollers.

1,542,120. ADVERTISING APPARATUS. HARRY WIDRE, Detroit, Mich. Filed Apr. 16, 1923. Serial No. 632,333. 2 Claims. (Cl. 88—27.)



1. An advertising apparatus comprising diverging projecting machines, a dark cabinet for said diverging projecting machines, some of said machines being adjustable relative to a common pivot in said cabinet, means for fixing the adjustable machines relative to the pivot, and slidable shutters forming part of said cabinet and through which shutters said machines extend.

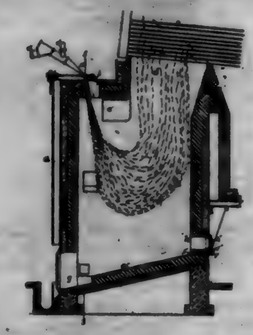
1,542,121. CARRIER-WAVE COMMUNICATING SYSTEM. SAMUEL B. WILLIAMS, Jr., Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 1, 1922. Serial No. 548,681. 40 Claims. (Cl. 179—15.)



1. In a carrier wave system, a line conductor, three or more stations arranged to communicate thereover, a frequency selective channel having a terminal at each station, means actuated responsive to the use of said channel at any station for impressing a wave on said channel, busy signals associated with said terminals, and means responsive to said impressed wave for operating the busy signals at the distant stations.

1,542,122. METHOD OF AND MEANS FOR BURNING PULVERULENT FUELS. EDWARD B. WORTHINGTON, Cleveland, Ohio, assignor to The M. A. Hanna Company, Cleveland, Ohio, a Corporation of Ohio. Filed Oct. 2, 1920. Serial No. 414,162. 10 Claims. (Cl. 110—28.)

9. In a furnace of the class described, the combination with a vertically elongated combustion chamber, of means for producing combustion in space intermediately of the walls thereof, an inclined bottom for said combustion chamber positioned at a distance from the zone of com-



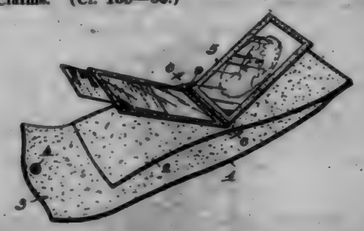
bustion adapted directly to receive the solid products thereof, and means for moistening and cooling the bottom of said combustion chamber, substantially as set forth.

1,542,123. WRENCH. JOSEPH EIFEL, Detroit, Mich. Filed Oct. 29, 1917. Serial No. 199,034. 14 Claims. (Cl. 81—60.)



3. A device of the kind described, comprising, in combination, a pair of jaws, a pair of simple, operating levers for directly giving the jaws relative movement, and supplemental means for increasing the tension between said operating levers.

1,542,124. PASS CASE. OLAF HALVORSEN and WILLIAM T. SEIBELS, Chicago, Ill.; said Seibels assignor to said Halvorsen. Filed May 29, 1924. Serial No. 716,556. 3 Claims. (Cl. 150—35.)



1. A pass-case comprising a foldable cover of pliable material, a card holding member, consisting of frames of transparent material joined together by a section of flexible material, and a bar adapted to extend transversely of said card holding member and provided with fastening members adapted to pass through the flexible section thereof and said cover.

1,542,125. METALLIC-SPIDERED FIBER PULLEY. WILLIAM D. HAMMERSTADT, Indianapolis, Ind. Filed May 3, 1924. Serial No. 710,710. 6 Claims. (Cl. 64—17.)

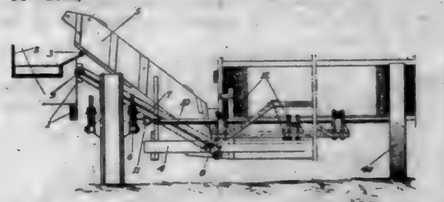
1. A fibrous wheel including a hub, a plurality of radially projecting metallic arms, each terminating in a

longitudinal and transversely extending sleeve, a pin positionable in said sleeve and projecting beyond the same



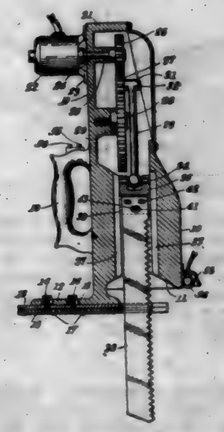
for support purposes, and a plurality of annular fibrous and suitably apertured wheel-forming sections secured to the arms by the sleeves and pins seating in said apertures.

1,542,126. HEADER-FRAME AND FEED-SPOUT CONNECTION. GEORGE H. HARRIS, Stockton, Calif. Filed June 16, 1923. Serial No. 645,742. 4 Claims. (Cl. 56—209.)



1. In side-hill harvester construction, a thresher having a feed house mounted thereon, said feed-house having an opening facing to one side of the thresher and a rail along the lower edge of said opening, a header-frame flexibly mounted at one end on the thresher for swinging movement relative thereto in a vertical plane, a feed-spout pivoted at one end of the header-frame and resting at the other end on the rail of the feed-house, and means whereby the header frame will move laterally of the thresher with any change of angular setting of said frame relative to the thresher.

1,542,127. PORTABLE ELECTRIC SAW. CHARLES B. HASTINGS, New York, N. Y. Filed Oct. 31, 1924. Serial No. 746,953. 5 Claims. (Cl. 143—72.)



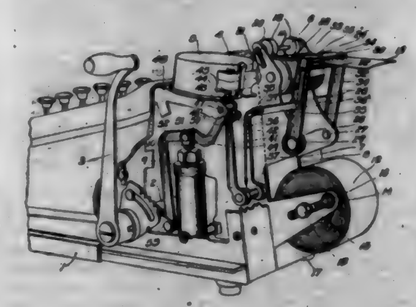
5. A portable electric saw comprising an elongated upright body, a motor attached thereto, a saw blade operatively connected to said motor to move reciprocatively, a laminated base adjustably attached to said body, a plurality of spherical anti-frictional elements held between the laminations of the base and extending through the lower element thereof, said base having an opening at its front and a narrow slot extending rearwardly from the opening, hardened guides at the sides and rear of the slot, means for adjusting said guides relative to the saw blade, means in said guides to carry lubricating material, means for illuminating the path of the saw blade, a handle fixed on said body, and switches carried by said handle to control said motor and illuminating means.

1,542,128. UNIVERSAL MANDREL. JOHN HAUSHALTER, Milwaukee, Wis. Filed Oct. 22, 1921. Serial No. 509,676. 4 Claims. (Cl. 82—11.)



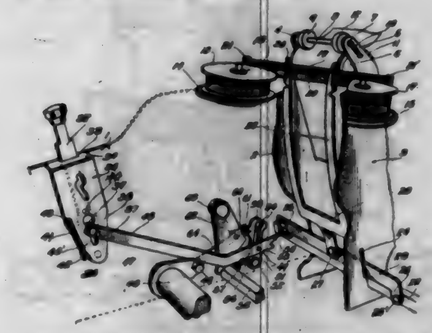
1. A dental mandrel comprising a body portion having two angularly related parts, a driving shaft having a bearing in one of said parts, a driven shaft having a bearing in the other of said parts and replaceably mounted therein, said shafts being formed at their ends to provide a quickly detachable driving connection whereby said second shaft may be rotated by the first shaft when properly positioned in operative relation thereto, and releasable means wholly exterior to said body portion for maintaining said second shaft in operative power receiving position with respect to the first shaft, said releasable means being adapted to permit the bodily removal of the second shaft.

1,542,129. STRIP-FEEDING MECHANISM FOR ADDING MACHINES. BENJAMIN P. HAYES, Kansas City, Mo. Original application filed Feb. 27, 1920, Serial No. 361,743. Divided and this application filed July 5, 1921, Serial No. 482,344. Renewed May 8, 1925. 7 Claims. (Cl. 271—2.5.)



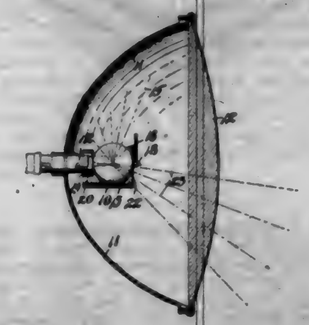
1. Strip advancing mechanism for adding or like machines, comprising complementary jaw frames, one pivoted to the other and the carrying frame having pivotal mounting to afford long and short radial movement of the respective frames, operating mechanism connected with the jaw frame having short radial movement, whereby the jaw frames are moved relative to each other, and an abutment on the long radius frame engageable by the short radius frame, whereby the frames are moved as a unit.

1,542,130. RIBBON-SHIFTING MECHANISM FOR ADDING OR LIKE MACHINES. BENJAMIN P. HAYES, Kansas City, Mo. Original application filed Feb. 27, 1920, Serial No. 361,743. Divided and this application filed July 11, 1921, Serial No. 483,888. Renewed May 8, 1925. 10 Claims. (Cl. 235—60.)



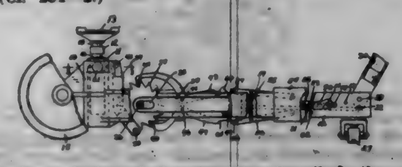
1. Ribbon shifting mechanism for adding or like machines comprising, in combination with a total key and a main actuator, a ribbon guide, and means, normally disconnected from the ribbon guide, settable by the total key and operable by the actuator to shift the ribbon guide.

1,542,131. SHIELD FOR LIGHT BULBS. FRANK V. HAYS, Jr., West Orange, N. J. Filed Apr. 16, 1924. Serial No. 706,841. 2 Claims. (Cl. 240—48.6.)



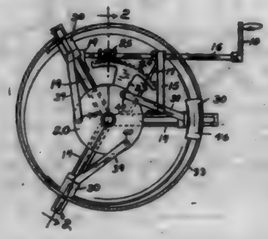
1. A shield for light bulbs comprising a sheet metal trough-like member with a plate across the top at one end the plate having a recess at its bottom edge to receive the top of the bulb, the member having spring fingers adapted to be snapped over the base of the bulb.

1,542,132. JACK. MARTIN L. HEINEKE, Springfield, Ill. Filed May 12, 1924. Serial No. 712,567. 25 Claims. (Cl. 254—2.)



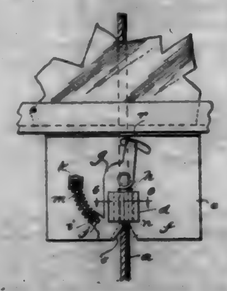
1. In a device of the character described, the combination with a horizontal frame and an oscillatory handle carried thereby, of a load supporting element vertically movable with reference to a portion of said frame longitudinally spaced from said handle, and motion transmitting connections operative between said handle and said element and adapted to actuate said element in a given direction upon the oscillation of said handle in either direction.

1,542,133. TIRE-CHANGING DEVICE. MARTIN L. HEINEKE, Springfield, Ill. Filed July 3, 1924. Serial No. 723,955. 12 Claims. (Cl. 157—1.)



1. The combination of a pair of clamping jaws and means for moving the jaws transversely of the line of their clamping movement, one of said jaws having a portion guided for movement longitudinally with reference to the other and having a slight lateral motion permitting free longitudinal play in the absence of such transverse motion, said means for producing the transverse motion being connected to one of said jaws to move it laterally with reference to the other and thereby bind said portion.

1,542,134. WINDOW AND REGULATOR COUPLING. ERNEST E. HEINTZ, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 23, 1922. Serial No. 583,722. 7 Claims. (Cl. 268—4.)

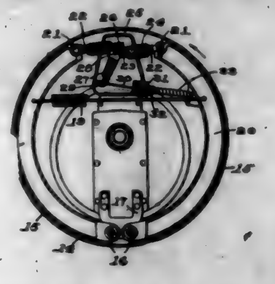


1. In a window regulator, the combination of a window sash, a lifting member, and a detachable coupling between the two, including a slotted plate secured to the sash, a spring-pressed latch for guarding the opening in the plate, and a fixture secured to the lifting member which may ordinarily displace the latch in entering the slot in the plate, but which requires manipulation of the latch to release it.

1,542,135. BRAKE. ERIK J. HERVONEN, Worcester, Mass., assignor to Leland-Gifford Company, a Corporation of Massachusetts. Filed Jan. 18, 1924. Serial No. 687,108. 11 Claims. (Cl. 188—78.)

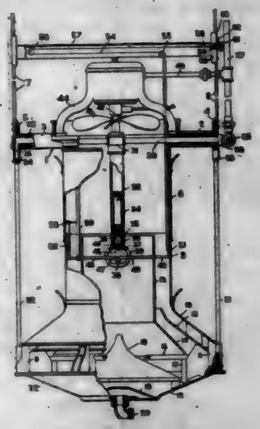
1. The combination with a wheel, of a brake mechanism therefor comprising a circular brake casing and brake shoes adapted to engage it, of a non-rotary casing

mounted within the first named casing, and mechanism for operating the brakes located in the second casing and



operating through the walls thereof, said second casing providing means to receive a lubricant for the operating mechanism.

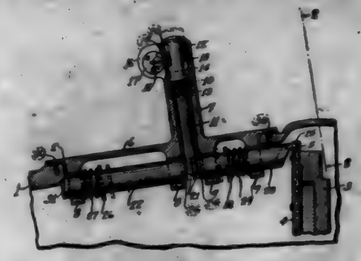
1,542,136. HUMIDIFIER. WILLIAM B. HODGE, Charlotte, N. C., assignor to Parks-Cramer Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Dec. 17, 1920, Serial No. 431,521. Divided and this application filed May 17, 1923. Serial No. 639,633. 13 Claims. (Cl. 236—44.)



1. A humidifier comprising a casing, means within said casing for producing a jet of spray, means for projecting a current of air through the spray and adjustable regulating means operable to intercept a portion of spray produced and thereby to regulate the amount of moisture delivered by the humidifier without varying the air current or the amount of liquid delivered to said spray producing means.

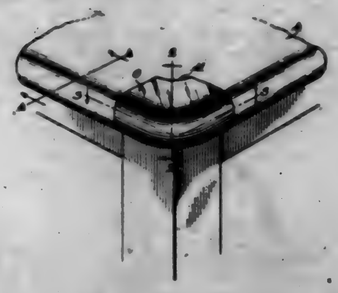
1,542,137. AUTOMOBILE LOCK. JOSEPH F. HOFFMANN, Maplewood, Mo., assignor to Johnson Automobile Lock Company, St. Louis, Mo., a Corporation of Illinois. Filed Nov. 18, 1922. Serial No. 600,677. 4 Claims. (Cl. 70—90.)

1. In combination with an automobile, including its transmission-housing and a rotary member of the transmission-assembly, a lock comprising a plate located upon the transmission-housing, a barrel fixed upon and upstanding at approximately right angles to the upper face of the plate, a pair of spaced aligning bolt-eyes depending from the under face of the plate, a toothed-end bolt supported by said eyes for slidable actuation to engage at its toothed-end with said rotary member to prevent rotary movement thereof, a plunger depressible in the barrel for engagement with and at the opposite end of the bolt for actuating the bolt into, and re-



taining the bolt in, locking engagement with the rotary member, and means for yieldingly actuating the bolt out of engagement with the rotary member when released by the plunger.

1,542,138. FURNITURE-TOP CONSTRUCTION. DAVID R. HUNTER, Muskegon, Mich., assignor to The Shaw-Walker Co., Muskegon, Mich., a Corporation of Michigan. Filed Jan. 30, 1925. Serial No. 5,691. 8 Claims. (Cl. 45—31.)



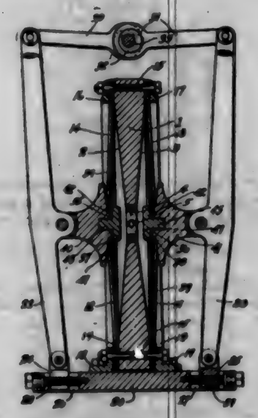
1. A top for furniture comprising a core, a sheet of covering material laid over said core with its marginal portion extending around and beneath the edges thereof, and caps secured at the corners of said core and extending around the corner edges and inlaid flush with the edges and top surface of the covering material.

1,542,139. TRUCK FOR TOY RAILWAY CARS. HARRY C. IVES, Bridgeport, Conn., assignor to The Ives Manufacturing Corporation, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 20, 1924. Serial No. 757,140. 6 Claims. (Cl. 105—208.)



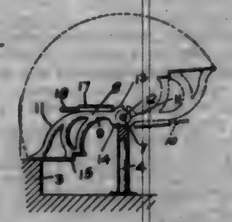
1. In a toy railway truck, a frame including an upper transverse portion, and opposed side portions at the ends of said upper portion, wheel carrying axles supported in and extending between said sides, a transverse brace bar extending between said sides, and clip means at each end of said bar interlockingly clipped to said sides.

1,542,140. COMPRESSOR. JOHN G. JOHNSON, Tacoma, Wash., assignor of one-half to John S. Anderson, Tacoma, Wash. Filed May 8, 1923. Serial No. 636,466. 2 Claims. (Cl. 230—5.)



1. A device of the class described comprising in combination, a base plate, a circular body plate mounted on said base and having conically concaved opposite side faces and a central opening therethrough, and having valved inlet and outlet channels leading from its periphery into said central opening, flexible diaphragms secured upon opposite faces of the body plate to provide air tight chambers at opposite sides thereof, flexible reinforcing plates overlying said diaphragms, pumping heads fixed centrally to said diaphragms, a pair of pumping levers pivotally fixed to said heads and having ends pivotally and adjustably fixed to the base plate, a rotating shaft, eccentrics on said shaft and means connecting the eccentrics with said pump levers whereby said diaphragms will be moved simultaneously toward and from the body plate.

1,542,141. FOOT REST FOR SHOE-SHINE PARLORS. ALLAN ROLAND PYE JOHNSON, Toronto, Ontario, Canada, assignor of one-half to Charles Tilley and Herbert Victor Tilley, both of Toronto, Ontario, Canada. Filed Oct. 24, 1922. Serial No. 596,618. Renewed May 2, 1925. 2 Claims. (Cl. 15—205.)



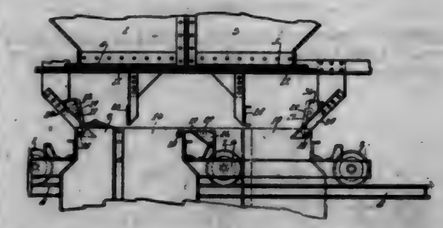
1. A foot rest for shoe shine parlors comprising a platform provided with an upstanding ledge, a standard support located in front of the ledge, a member swung upon the upper end of the standard support and having its end curved into a vertical direction, a foot rest carried upon the vertically extending portion adapted to rest upon the platform ledge, and a step member carried upon the opposite side of the swung member to the vertically extending portion.

1,542,142. FLUID-FUEL BURNER. PETER JOHNSON, Seattle, Wash. Filed Nov. 17, 1924. Serial No. 750,279. 2 Claims. (Cl. 158—65.)



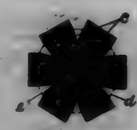
2. In a fluid fuel burner, a burner body, a fuel inlet pipe extending into said body and inclined upward relative to the horizontal the outer end of said inlet pipe being open, means for delivering a jet of fuel into the outer end of said inlet pipe, and a horizontally arranged T fitting on the inner end of said fuel inlet pipe, the ends of said T fitting being partially closed by segmental webs that extend across the bottoms of the same and form, within said T fitting, a wall from which liquid will flow outwardly through said inlet pipe before it overflows said webs.

1,542,143. MATERIAL-HANDLING APPARATUS. EDWIN F. JONES and JOHN A. AULD, Erie, Pa. Filed Mar. 31, 1922. Serial No. 629,070. 5 Claims. (Cl. 214—1.)



1. In a material handling apparatus, the combination of a measuring bin; an upright strike off blade; means for moving the bin and blade relatively to strike off excess material; and a catcher movable relatively to the bin catching the overflow and returning by its movements the same to the bin.

1,542,144. CORE OF TRANSFORMERS. YASUTARO KATSUMOTO, Nishi-ku, Osaka, Japan. Filed Feb. 27, 1922. Serial No. 538,394. 3 Claims. (Cl. 175—356.)

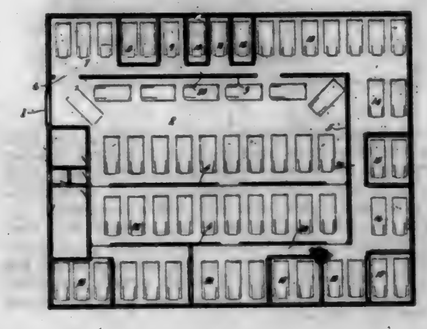


1. A transformer core, comprising a plurality of radially extending sheet iron frames of uniform dimensions, each having an inner vertical leg, an outer vertical leg, and a pair of horizontal legs connecting the ends of said vertical legs, the inner legs of the frames being disposed in contiguous relation in at least two layers and forming a central pole, the sectional form of the inner legs being rhombic and the outer vertical legs disposed in a circle.

1,542,145. OVEN FOR TREATING VEHICLE BODIES. RALPH A. KAUFFMAN, Seattle, Wash. Filed Apr. 30, 1923. Serial No. 635,906. 2 Claims. (Cl. 34—19.)

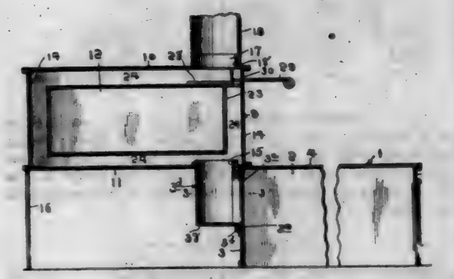
2. In a building of the class described, a passage along which vehicles may be successively advanced and ovens located in said passage, each having opposite side

openings through which said vehicles may pass and provided centrally at the top and floor with air inlet and outlet openings, with channels leading from said



inlet to opposite ends of the oven, a blower located in the inlet and heating means located at the discharge ends of the channels.

1,542,146. STOVE. WILLIAM B. KIMMEL, San Francisco, Calif. Filed June 10, 1924. Serial No. 719 159. 2 Claims. (Cl. 126—9.)



1. A portable stove for camping purposes and the like comprising a firebox having a cooking top, an open bottom and a substantially vertical wall, said wall being provided with an outlet opening to discharge the products of combustion, an upwardly extending pipe section detachably connected to said wall and having an opening registering with said outlet opening, an oven having one of its ends projecting only slightly over and resting on the cooking top of the firebox, the bottom of said oven having an opening into which the pipe section extends for discharging products of combustion in to the oven, said oven having a baking compartment of sufficient size to house said pipe section when the latter is detached from the firebox, and the oven being of such size as to be nested in the firebox when the stove is not in use.

1,542,147. MUSICAL WHISTLE. WILLIAM KRAGIEL, Paterson, N. J. Filed Feb. 27, 1924. Serial No. 695,413. 2 Claims. (Cl. 46—46.)

1. A musical instrument comprising a pair of plates integrally joined together at their upper edges and being wholly open at one end, means connecting the opposite end edges of the plates, said connecting means having an inlet opening therein, a single elastic strip secured between the plates at one side and adapted to pass freely outward between the plates at the opposite



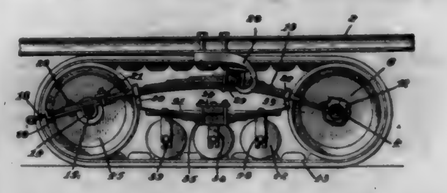
side, means for retaining said strip substantially parallel to the upper edge of the instrument, and a metal clip of relatively large area secured on the outer end of said strip.

1,542,148. PUZZLE. PETER KRAMARIUK, Sault Ste. Marie, Ontario, Canada. Filed Oct. 20, 1924. Serial No. 744,834. 5 Claims. (Cl. 273—160.)



1. A puzzle comprising a plurality of interlocking pieces arranged in cruciform structure, a key piece constituting one of the pieces, and a piece provided with locking means for locking the key piece against displacement.

1,542,149. TRACTION DEVICE. JOSEPH ADALBERT LANDRY, Mont-Joli, Quebec, Canada. Filed Dec. 24, 1923. Serial No. 682,565. 6 Claims. (Cl. 305—9.)

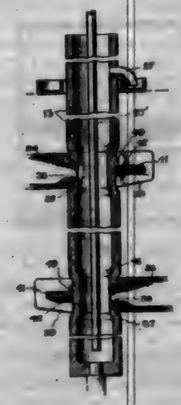


5. A traction device comprising a drive axle, a drive wheel mounted thereon, a spring extending from said axle, an auxiliary wheel supported by said spring, a tread member surrounding said wheels, a brace resting on said spring, a gooseneck extending upwardly from said brace, a vehicle body resting on said gooseneck, an auxiliary spring depending from said first named spring, a cross bar resting on said auxiliary spring, a plate secured to said cross bar, journals attached to said plate, and rollers mounted in said journals, said rollers engaging said tread member.

1,542,150. ROASTING FURNACE. ARTHUR VICTOR LEGGO, Melbourne, Victoria, Australia. Original application filed Dec. 22, 1921, Serial No. 524,301. Divided and this application filed July 3, 1923. Serial No. 649,381. 6 Claims. (Cl. 257—119.)

4. In roasting furnaces a hollow rabble shaft having a rabble arm fitted detachably thereto, recesses in the sides of the rabble shaft, jaws on the inner end of the

arm adapted to slide in the recesses in the rabble shaft, slots in the outer ends of the jaws, a cotter and gib



passing through the said slots, and a recess in the back of the rabble shaft against the upper end of which the cotter is adapted to bear.

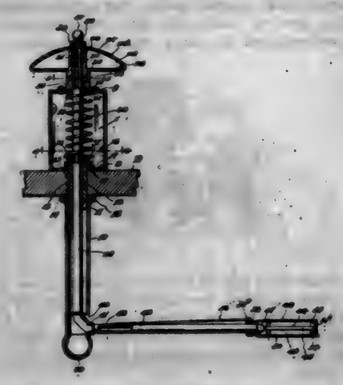
1,542,151. GATE LATCH. MATTI LEHTONEN, Chisholm, Minn. Filed Feb. 13, 1922. Serial No. 536,189. 9 Claims. (Cl. 292—28.)



1. A gate latch comprising a housing, latches pivotally mounted within said housing and having keeper gripping portions arranged in overlapping relation, a pivoted tumbler arranged in said housing and having a portion co-operative with said latches for preventing movement thereof, and means for operating said tumbler.

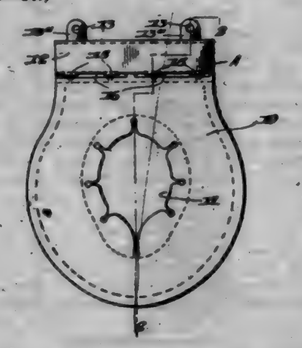
1,542,152. DIRECTION SIGNAL FOR AUTOMOBILES. CLARENCE C. LEONARD, Erie, Pa. Filed Aug. 14, 1924. Serial No. 732,006. 4 Claims. (Cl. 116—52.)

1. A direction signal comprising a housing a tubular casing, a bushing connecting the two and adapted to be fitted through a part of the body of an automobile whereby to mount the housing and tubular casing thereon, a spindle extending through the bushing and rotatably and shiftably mounted therein, the said spindle extending into the housing and beyond one end thereof and likewise, extending within the said casing, an arm connected with that portion of the spindle which extends within the casing and extending radially from the spindle, a signal member carried by the arm, a handle member carried by the other end of the spindle exterior to the housing, coacting locking elements upon the handle member and the housing adapted to be mutually engaged when the spindle is shifted in one direction and to be mutually disengaged when the spin-



dle is shifted in the opposite direction, and a spring within the housing coacting with the spindle to yieldingly hold the same shifted in the first mentioned direction.

1,542,153. SANITARY TOILET-SEAT COVERING. HOWARD DOANE LEWIS, Pictou, Nova Scotia, Canada. Filed May 1, 1924. Serial No. 710,370. 1 Claim. (Cl. 206—57.)

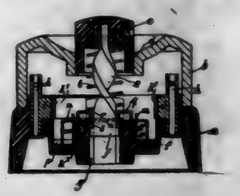


In a device of the character described, the combination with a backboard having orifices therein of a length of spring metal sheeting bent to form a frame with top and bottom sides in spaced relationship to one another and having an open front and open ends, the bottom side being of greater width than the top and provided with spaced orifices designed to register with the outer edge of the top, teeth formed in the outer edge of the top and designed to penetrate sheets of paper or the like and to engage with orifices in the extended bottom and means for rigidly securing the frame to the backboard and suspension members carried by the backboard.

1,542,154. PUSH-BUTTON SWITCH. STEN ERIC LINDVALL, Altona, Germany. Filed May 24, 1924. Serial No. 715,616. 3 Claims. (Cl. 200—64.)

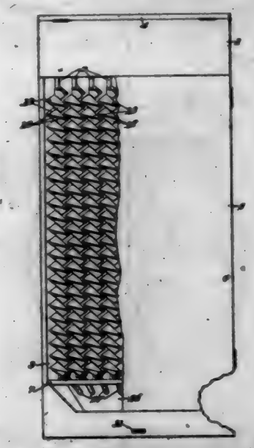
1. A push button switch comprising a casing, contact pieces attached to the sides of the casing and a rotatable contact piece adapted to make and break contact between the said fixed contact pieces, a spring pressed push button having a flat spirally twisted shaft prevented from rotation by being guided in a slot in the bottom of the casing, a slotted operating member engaged by said spi-

rally twisted shaft to be rotated thereby, when pushing down the button, ratchet teeth on a fixed part of the casing and ratchet teeth on the said operating member, corresponding in number to the first named ratchet teeth, a spring pawl in connection with the rotatable contact piece and adapted to rotate with the operating member



and to slide over the fixed ratchet teeth so as to be rotated about an angle corresponding to the pitch of the teeth by pushing inwardly the button and then locked in position when the said operating member returns into its original position on the backward movement of the button by its spring.

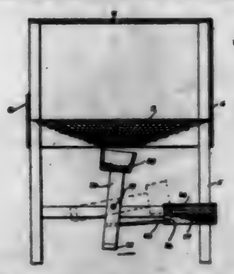
1,542,155. SEED SEPARATOR. FREDERIC S. LYMAN, Salt Lake City, Utah, assignor of one-half to Maurice Keating, Salt Lake City, Utah. Filed June 15, 1923. Serial No. 645,647. 6 Claims. (Cl. 130—18.)



2. In a seed separator, a seed-separating raceway comprising a pair of plates wound spirally around a support, each of said spiral plates adapted to receive seeds to be separated and to retain such of said seeds as possess predetermined properties and to eject others having other properties, and a spiral cover for said raceway following the convolutions thereof but spaced therefrom and adapted to prevent the reentrance into either of the spirals of said raceway of seed once ejected therefrom.

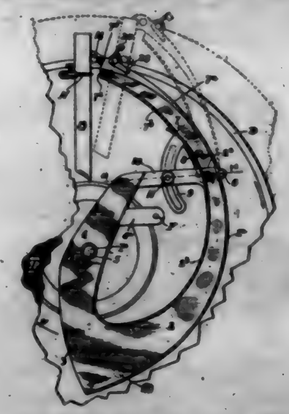
1,542,156. POULTRY NEST. THOMAS S. MCLENDON, Carrollton, Ga. Filed Aug. 23, 1923. Serial No. 658,988. 1 Claim. (Cl. 119—48.)

In a poultry nest, a frame, a floor therein forming a nest proper comprising a foraminous body inclined toward the center and apertured at its approximate center, a substantially vertical support oscillatory mounted under the opening of the floor and having a greater weight below the pivot whereby the said support is held normally approximately vertically, a cup on the upper end of the support adapted to receive eggs issuing from the opening in the floor, a yieldable collector with relation to which the cup is operative for delivering eggs to the collector, an arm extending laterally of the support and carried



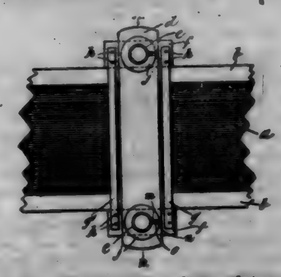
thereby, and an arresting element on the collector in the path of travel of the arm for arresting the said arm and retaining the support in normal position.

1,542,157. ADJUSTABLE PHONOGRAPH REPEATER. STERRETT E. MCNULTY, Los Angeles, Calif. Filed Dec. 12, 1922. Serial No. 606,412. 7 Claims. (Cl. 274—15.)



1. In a repeating attachment for a phonograph, a main plate provided with a needle-lifting blade and comprising one section of a guideway formed in two sections capable of relative movement.

1,542,158. PROFILE TEMPLATE. ALBERT MADEN, Waterfoot, England. Filed Feb. 25, 1922. Serial No. 539,315. 1 Claim. (Cl. 33—175.)



In a conformator gage, two clamp plates comprising a front plate and a hinder plate, each having a rubber pad on its inner side, there being an aperture adjacent each end of each plate guide bars passing between said plates

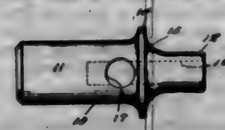
at the respective ends thereof, a series of wires adapted to move laterally between said plates and guided by said bars, studs screwed into the apertures in said hinder plate and projecting through the corresponding apertures in the front plate, distance pieces interposed between said plates and surrounding said studs and adapted to contact said guide bars, thumb nuts on said studs adapted to force said clamps together and springs respectively interposed between each nut and the front plate, detachable handles inserted into longitudinal bores in said studs and adapted to extend outwardly from said clamp plates, and catch means carried by said hinder plate adapted to engage in circumferential grooves in said handles respectively and to hold the same removably secured in said studs.

1,542,159. ARCHER'S ARROW NOCK AND FINGER GRIP. EDWIN F. MAXWELL, Berkeley, Calif. Filed Apr. 15, 1924. Serial No. 706,733. 8 Claims. (Cl. 124—7.)



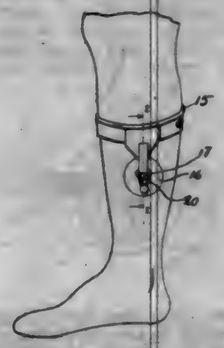
1. A device of the character described including a finger grip body having a barrel to receive an arrow nock and provided with slots, and jaws accommodated in said slots of the barrel to engage said nock.

1,542,160. SWAGING TOOL. JOHN S. MAXWELL and ROBERT H. ROTHROCK, Pittsburg, Kans. Filed June 2, 1924. Serial No. 717,480. 2 Claims. (Cl. 153—79.)



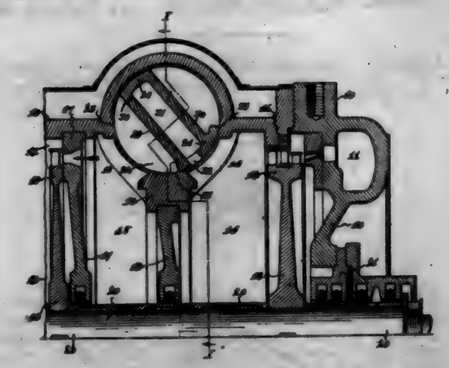
1. A tool comprising a body including a head, a centering extension, an annular flange surrounding the body between said head and extension, a flaring face extending from the flange and merging into the centering extension and a water outlet passage extending through the body and means included in the passage for reducing the pressure of water passing therethrough.

1,542,161. HOSE. GROVER B. MELLUS, Los Angeles, Calif. Filed Sept. 15, 1922. Serial No. 588,349. 3 Claims. (Cl. 2—240.)



1. A hose having a bead formed at its open end, and a supplemental piece of material secured to the leg portion of the hose, there being an opening from the outside to the space between the hose and the supplemental piece.

1,542,162. TURBINE BLEEDER VALVE. JAMES LEONARD MOORE, Wellsville, N. Y., assignor to The Moore Steam Turbine Corporation, Wellsville, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,778. 7 Claims. (Cl. 60—67.)



1. A multi-stage expansion steam turbine comprising a casing having a live steam or high pressure inlet and final low pressure outlet, means for effecting a plurality of stages of expansion within said casing and interposed between said inlet and outlet, a diaphragm within the casing separating one stage of expansion from a succeeding stage of expansion and provided with an opening for the passage of the steam from one stage to the adjacent succeeding stage of expansion, an intermediate steam pressure outlet communicating with a stage ahead of the diaphragm and receiving expanded steam and exterior of the casing, a rotary bleeder valve disposed in said opening and provided with ports arranged and adapted to control the passage of the expanded steam through said opening from one stage to a succeeding stage or into the intermediate fluid pressure outlet, said bleeder valve provided with a chamber therein having openings or outlets communicating with the exterior of said valve and arranged and adapted to permit the steam to bleed into and through said chamber and valve when said valve is in its closed position, thereby uniformly heating all sections of said valve and permitting a small volume of expanded steam to constantly pass through the other stages of expansion between said diaphragm and final low pressure outlet.

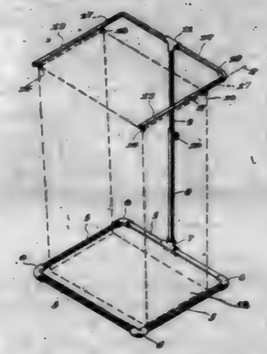
1,542,163. ADJUSTABLE CARRIER STRAP. ALBERT MOORE, New Bedford, Mass. Filed Dec. 1, 1923. Serial No. 678,056. 1 Claim. (Cl. 224—5.)



1. A device of the class described comprising a pair of shoulder straps, each of said straps being crossed and connected at their crossed portions to provide a loop, a

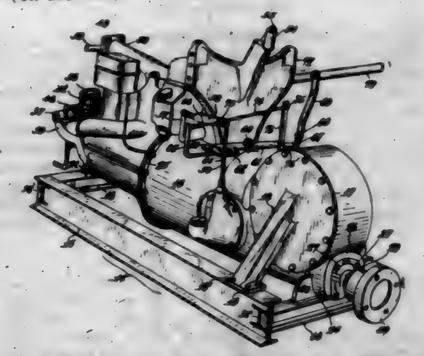
downwardly extending inner short end and a downwardly and outwardly extending relatively long end extending from the loop, means whereby the ends may be secured to a receptacle, a connecting strap, a loop at each end of the connecting strap for sliding engagement with the shoulder straps and means whereby the length of the connecting strap may be regulated.

1,542,164. BAG HOLDER. SWAN NELSON, Chicago, Ill. Filed Apr. 24, 1923. Serial No. 634,372. 1 Claim. (Cl. 83—26.)



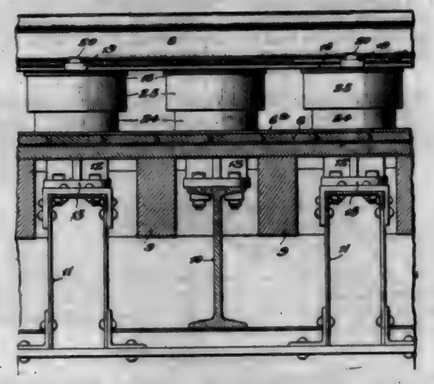
A bag holder comprising a U-shaped member having spaced parallel tubular sides and a bight portion, a standard connected to the bight portion, said spaced parallel sides being provided with longitudinal slots in the lower sides thereof, springs anchored within said tubular sides and having bag engaging hooks extending through the slots and extending downwardly from beneath the spaced parallel sides, and fixed bag engaging hooks depending from beneath the spaced parallel sides, said first and second named hooks being directly beneath and close to said spaced parallel sides for supporting the sides of the engaged bag close to and directly beneath the sides of the U-shaped member.

1,542,165. MARINE UNIT. JOSEPH S. ORCHELS, Philadelphia, Pa., assignor to Metalweld Service Corporation, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 7, 1924. Serial No. 730,789. 21 Claims. (Cl. 115—34.)



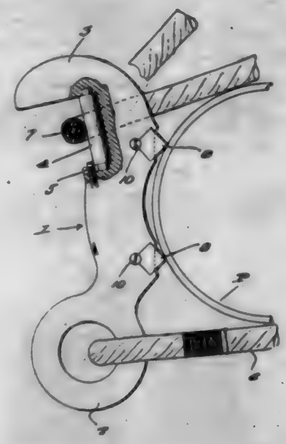
1. In a marine unit the combination of a basal framework of lock-welded standard sections, a tractor engine removably supported thereon, means for laterally bracing said engine to the framework, means driven direct from the engine shaft to maintain a continuous cooling circulation thereabout, control mechanism operative by a single manipulating element effective to lock the engine at any desired directional speed, and means whereby the propeller shaft may be repacked without dismantling the coupling connection.

1,542,166. WEATHERPROOF RAIL STAND FOR TRACK SCALES. JOHN WILSON ORROCK, Montreal, Quebec, Canada. Filed May 1, 1923. Serial No. No. 635,962. 12 Claims. (Cl. 265—71.)



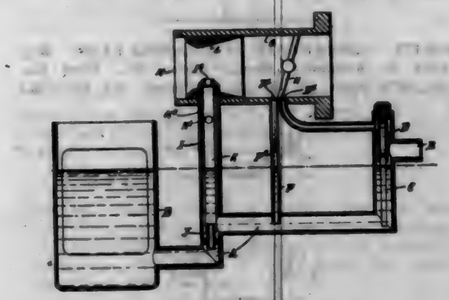
1. A weather proof rail stand for track scales including a flashing, a rail supporting stand projecting through said flashing and having a head provided with lug receiving seats, and an apron having offset lugs for engaging in said seats and depending from said head in overlapping relation to said flashing.

1,542,167. PIPE-GRIPPING DEVICE. FRANK CHARLES OSTHEIMER and LEON FROMAN ROBERSON, Virgil, Kans. Filed June 2, 1924. Serial No. 717,305. 1 Claim. (Cl. 81—64.)



A pipe gripping device comprising a body having an anchoring eye formed at one end, having a lateral projection formed at its opposite end constituting a rope guard, and having its intermediate portion of arcuate formation, the intermediate portion of the body being formed in its inner edge with polygonal sockets, which are closed at one end and open at the other end, substantially rectangular pipe contact blocks fitted into said sockets, retaining screws carried by the body and engaging the outer ends of the blocks to retain the latter in position, and an anti-friction roller rotatably mounted upon the outer edge of the body beneath said guard, and a pipe encircling rope anchored at one end to said eye, the intermediate portions of said rope adapted to be passed around the pipe and the free end portion thereof being adapted to be looped beneath the guard, to permit the bight portion of the loop to ride against said roller, whereby when the free end of the rope is pulled upon, the rope will be tightened about the pipe.

1,542,168. CARBURETOR. ARCHIE DONALD PATERSON and MALCOLM ALLAN GRAY, London, England; said Gray assignor to said Paterson. Filed Nov. 16, 1922. Serial No. 601,350. 1 Claim. (Cl. 261—41.)



In a carburetor, the combination, with a constant-level chamber, a mixing chamber, a throttle valve therein, a main nozzle discharging into the mixing chamber, and a secondary device for supplying starting or slow-running mixture also discharging into the mixing chamber; of means for supplying an auxiliary charge of undiluted liquid fuel into said mixing chamber at small throttle openings, said auxiliary charge being delivered at a point adjacent the point of discharge of said starting mixture into the mixing chamber and also adjacent the closed position of the throttle on the atmosphere side thereof; and a well with which the main nozzle, the starting supply device and the auxiliary fuel supply means communicate, the main nozzle communicating with said well at a lower level than the auxiliary fuel supply means.

1,542,169. FUSE. CHARLES H. PEARSON, Brookline, Mass. Refile of abandoned application Serial No. 435,787, filed Jan. 7, 1921. This application filed July 17, 1924. Serial No. 726,482. 6 Claims. (Cl. 102—36.)



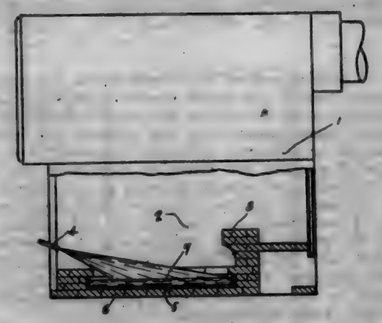
4. In a time fuse, the combination of a base, a firing pin in said base movable at right angles to the axis of the fuse in its flight, means normally tending to force said firing pin to its operated position, means for holding said firing pin in its normal position, a primer lying in the path of movement of said firing pin, a safety device interposed between said firing pin and primer, a second safety device retaining said first safety device in its normal position, said second safety device being operated by the shock of firing to release said first safety device, said first safety device being operated by centrifugal force to move out of the path of movement of said firing pin, and releasing means for said firing pin operating after the safety devices have operated.

1,542,170. PACKING RING. ANTHONY S. PIERREL, Washington, La. Filed Apr. 4, 1921. Serial No. 458,281. 1 Claim. (Cl. 288—1.)



A packing ring comprising an outer annular section formed of a plurality of segments substantially L-shaped in cross section, the adjacent ends of said segments being slightly spaced and juxtaposed, an inner annular section formed of a plurality of segments with their ends juxtaposed, each of said inner section segments being mounted upon and secured to an outer section segment and overlapping the joint between the supporting section and an adjacent outer section segment, the means for securing together the outer section and the inner section segments comprising a pin upon the segment of one of the sections projecting into a recess in the other section segment, and separate wire springs, each having a plurality of U-sections therein, joining the adjacent ends of the segments of said outer section, each spring having its ends anchored in adjacent segments and serving to hold said segments against relative movement both toward and from one another, the lengths of said springs between the bends paralleling the peripheral surface of the segments.

1,542,171. FUEL-OIL COMBUSTION. WILFRED FRANCIS RAVENOR, Vancouver, British Columbia, Canada. Filed Apr. 22, 1924. Serial No. 708,158. 9 Claims. (Cl. 158—117.5.)



1. In fuel oil combustion, directing unvaporized oil particles contained in the flame on to a surface of liquid matter having a boiling temperature higher than the flame temperature.

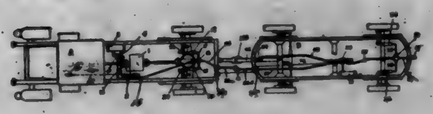
5. In fuel oil combustion, directing the burning fuel on to a body of liquid matter having a boiling temperature higher than the flame temperature on the surface of which is spread a powdered catalytic agent.

1,542,172. DRILLING APPARATUS. WARREN B. REED and WALTER HEFLIN, Morgan City, La. Filed Feb. 27, 1922. Serial No. 539,566. 21 Claims. (Cl. 255—72.)



1. In an apparatus of the class described the combination of an outer drill pipe; a core tube located inside said pipe; a guide tube inside said core tube; and a plug member associated with said guide tube and adapted to be pushed up into said core tube by the core material, substantially as described.

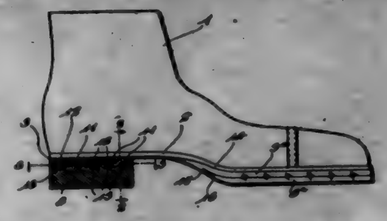
1,542,173. BRAKE SYSTEM FOR VEHICLE TRAINS. JOY S. REYNOLDS, San Francisco, Calif., assignor, by direct and mesne assignments, to Reynolds Brake Corporation, Detroit, Mich., a Corporation of Michigan. Filed June 17, 1922. Serial No. 569,132. 2 Claims. (Cl. 188—3.)



1. A braking system for vehicle trains consisting of a tractor member and trailer members, comprising means for accumulating and storing fluid under pressure on said tractor, means operated by said pressure for applying brakes on said tractor, a conduit connected with said source of pressure and extending throughout the train and adapted to serve brake elements on said tractor and said trailers, an auxiliary pressure tank positioned on each of said trailers and supplied by said conduit, and pressure operated means, responsive to a disconnection of said train, whereby the pressure in said auxiliary tanks will effect a locking of the steering gear of said trailers in the position that the said gear assumed at the time of said disconnection.

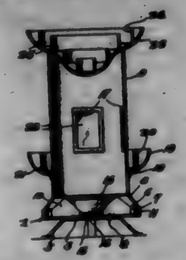
1,542,174. DETACHABLE HALF SOLE AND HEEL. LOUIS BONIDOUX, Norfolk Downs, Mass. Filed Aug. 20, 1923. Serial No. 658,527. 1 Claim. (Cl. 36—42.)

A shoe having relatively stationary and detachable sole members, an undercut rib and groove connecting said members, the inner face of one member having spaced sockets formed therein, the contacting face of the other member having similarly spaced knife cuts in inclined planes, the material at one side of each cut being bulged outwardly to provide a plurality of inclined



resilient teeth for reception in said sockets to hold the two members against sliding in a direction to remove the detachable member.

1,542,175. GREENHOUSE FUMIGATING LAMP. WILLIAM H. ROBINSON, Morton Grove, Ill. Filed Dec. 13, 1923. Serial No. 680,572. 3 Claims. (Cl. 43—125.)



1. In a greenhouse fumigating lamp, a base having lateral arms, a lamp body operatively supported upon the arms, a container operatively supported upon the base for the reception of alcohol to be burned, and a bowl operatively supported upon the upper end of the body for the reception of fumigating material or powder, said bowl having annular channels for the reception of fumigating material which evenly burns.

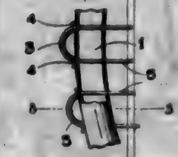
1,542,176. HARNESS. CYRUS C. ROSS, Walthill, Nebr. Filed May 12, 1924. Serial No. 712,603. 2 Claims. (Cl. 59—29.)



1. The combination with a hame member, of a wear plate extending over the top of said hame member and down the outer side thereof from the top downwardly, a rib member fixed to the portion of the wear plate extending down the outer side of the hame member and having harness rings at the top and bottom thereof, said rib member being provided intermediate the harness rings

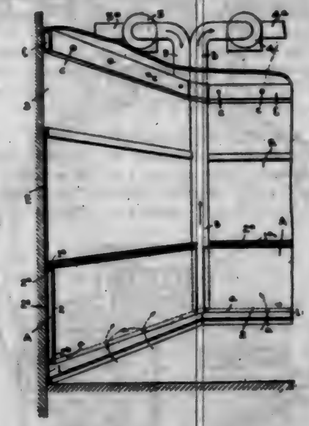
said series of slots extending inwardly from the outer side from the rib member and each having a narrow neck and an enlarged inner portion, and a ring surrounding the hame member in normal position and having a flattened portion at one point in its circumference, said flattened portion being movable in and out of the narrow necks of said slots and the remainder of the ring fitting closely in the enlarged portion of said slots, said ring being of such dimensions to prevent it from dropping down over the bottom harness ring carried by the rib.

1,542,177. TENNIS RACKET AND THE LIKE. ROBERT ROSS, Birmingham, England. Filed Sept. 6, 1924. Serial No. 736,280. 2 Claims. (Cl. 273—73.)



1. A tennis or like racket having curved resilient plate springs disposed between the looped ends of the strings and the frame, said spring having bifurcated ends to receive and position the strings.

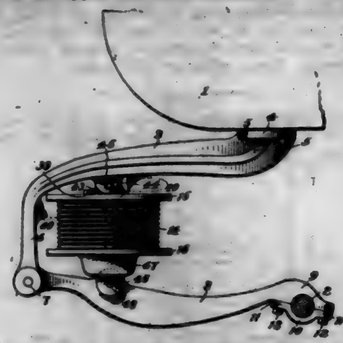
1,542,178. VENTILATING SYSTEM. DAVID E. ROSS and JAMES D. HOFFMAN, La Fayette, Ind., assignors to Purdue University, La Fayette, Ind., a Corporation of Indiana. Filed Mar. 1, 1923. Serial No. 622,093. 10 Claims. (Cl. 98—27.)



1. In ventilating apparatus for school rooms and the like; a duct having a series of openings increasing in area as they are further removed from the outlet of the duct, the total area of the series of openings in the duct approximating the cross sectional area of the outlet, and a series of partitions within the main duct forming sub-ducts therein, substantially as described.

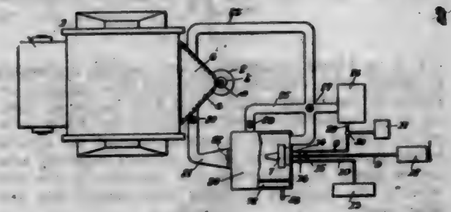
1,542,179. SPRING. HUGH WHEELER SANFORD, Knoxville, Tenn. Filed July 28, 1920. Serial No. 399,476. 18 Claims. (Cl. 267—20.)

1. A spring attachment for vehicles, comprising an upper horizontal bracket, having a downward projection at its rear end and adapted to be connected at its forward end to the vehicle body, and a lower horizontal bracket member pivoted to the downward projection of the upper bracket member and adapted to be connected at its opposite end to an axle of the vehicle, a sheet metal air bellows construction interposed between and secured to the upper and lower bracket members, and de-



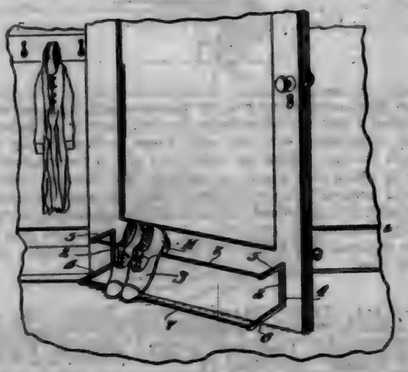
pending flanges on the upper bracket member adapted to normally extend below the upper end of the bellows and on opposite sides thereof.

1,542,180. ART OF AND APPARATUS FOR THE TREATMENT OF PLANT FIBER OR THE LIKE. CLARENCE C. SELDEN and ROBERT D. PEARSON, Los Angeles, Calif. Filed Apr. 28, 1924. Serial No. 709,610. 15 Claims. (Cl. 19—66.)



4. In combination with a carding machine, a housing through which the sheets of fiber pass in full width, and means for delivering vapor into the housing the full width thereof.
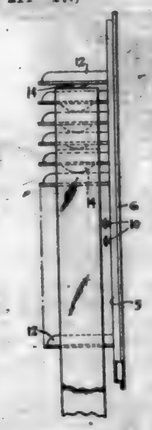
1,542,181. SHOE RACK. EATON G. SHERMAN, Hollywood, Calif. Filed Nov. 2, 1923. Serial No. 672,283. 2 Claims. (Cl. 211—14.)



1. A rack for supporting footwear comprising spaced brackets including shanks adapted to be attached to a primary support by means of screws extending therethrough, said brackets having forwardly extending bars

of different lengths integral with said shanks, transverse rails, and sockets formed on the ends of said bars adapted to receive the ends of said rails, the support engaging faces of said brackets being inclined to the planes of said brackets whereby as said screws are tightened, said brackets will be urged to positions inclined toward each other thereby firmly gripping said rails.

1,542,182. TIE HOLDER. SAVERIO A. SPAZIANTE, New York, N. Y. Filed Oct. 24, 1923. Serial No. 670,437. 2 Claims. (Cl. 211—17.)



1. A tie holder comprising a base member, a plurality of hollow arms extending from said base member, arranged in superposed relation and each having an opening in the underside thereof, a semi-circular finger member in each of the arms extending through the opening in the arm to engage the top of the next subjacent arm, and a spring in said finger and attached to the arm whereby the finger is yieldably held against said subjacent arm.

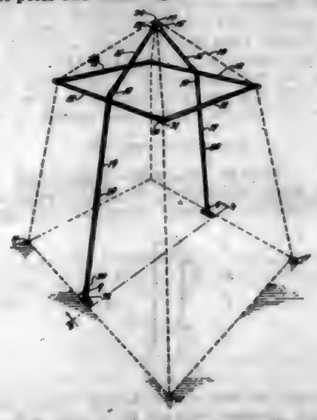
1,542,183. LIGHT-CONDUCTING ROD FOR THERAPEUTICAL PURPOSES. EDGAR STEINBERG, Berlin-Wilmersdorf, Germany, assignor to Ultra-Heilstrahlen-Apparate Aktien-Gesellschaft, Berlin, Germany. Filed June 18, 1923. Serial No. 646,140. 1 Claim. (Cl. 174—177.)



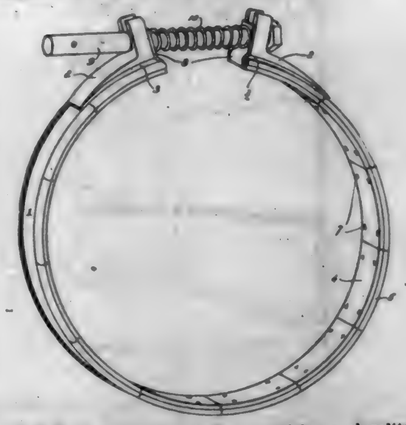
A light connecting rod for therapeutical purposes comprising a club-shaped body of quartz glass having polished and unpolished surfaces, only those surfaces being polished through which the light-rays are to be transmitted or by which they are to be reflected, the polished surfaces being arranged so as to reflect the light-rays backwards through the club head, the last light-transmitting surface being adapted for application to the inside of the gum for the treatment of a tooth and shaped in conformity with said gum.

1,542,184. TENT. FRANK M. STOLL, Denver, Colo., assignor to The Stoll Manufacturing Co., a Corporation of Colorado. Filed Sept. 2, 1924. Serial No. 735,433. 5 Claims. (Cl. 135—4.)

1. Means for supporting a tent of the type having an angularly depending top and relatively steeper depending side walls comprising: poles pivoted together at the peak of said tent and extending downward at an angle substantially parallel to said top and intermediate the corners of said tent; other poles arranged to be affixed to said first poles and extending downward at an angle substantially parallel to and on the center line of said side walls and a series of interconnecting poles upheld by said other poles and adapted to surround said tent substantially at the intersection of the top and side walls thereof so as to support the corners of said tent.



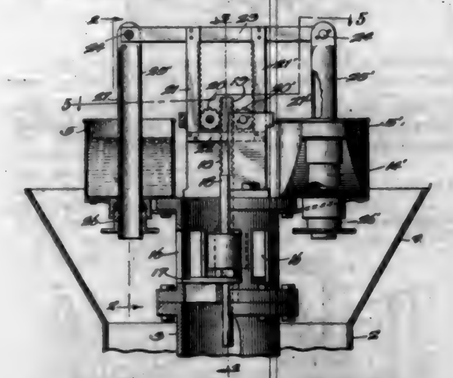
1,542,185. BRAKE BAND. ALVIN H. SWEET, Los Angeles, Calif., assignor, by direct and mesne assignments, to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Filed Apr. 30, 1923. Serial No. 635,552. 1 Claim. (Cl. 188—249.)



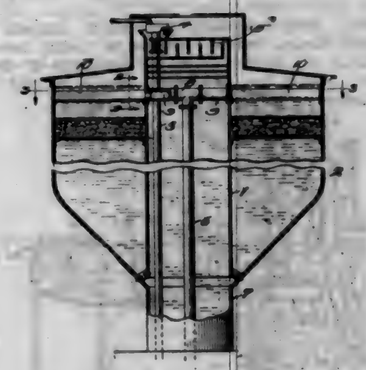
A brake band having a lining comprising a plurality of independent sections adapted for engaging the edges of said band and for circumferential sliding therewithin; and a pair of perforate plates spaced by a helical compression spring mounted on the tightening bar of said band; said plates extending inwardly over the respective ends of said lining to prevent circumferential movement of the latter with respect to said band.

1,542,186. LIQUID-TREATING APPARATUS. INOS B. TANNER, Chicago, Ill., assignor to Joseph E. Nelson & Sons, Chicago, Ill., a Copartnership composed of John E. Nelson and William H. Nelson. Filed May 4, 1923. Serial No. 636,743. 1 Claim. (Cl. 210—16.)

Liquid treating apparatus including a source of liquid furnishing liquid to be treated under pressure; a pipe communicating with said source; a valve in said pipe operated by the liquid, the pipe having a port closed by said valve and also opened to varying extents by the valve according to the pressure exerted upon the valve by the liquid; a settling chamber into which the liquid to be treated is discharged through said port; a chemical tank; a chemical pipe movable up and down and having a port at one end near the level of the chemical in the chemical tank and communicating with the chemical tank to receive chemical therethrough, said chemical pipe discharging at its other end into the settling chamber; an upright rack coupled with said valve; an upright rack connected with said chemical pipe; and gearing in mesh with said racks and serving to move said chemical pipe oppositely to the valve whereby the extent of the port in the chemical pipe through which chemical may flow is increased as said valve increases the extent of the liquid port through which liquid to be treated may flow and vice versa.

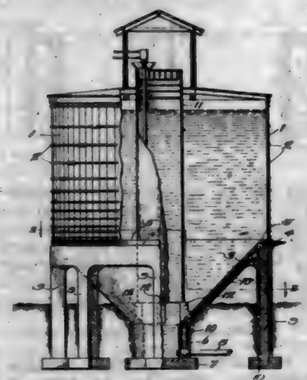


1,542,187. LIQUID TREATING APPARATUS. INOS B. TANNER, Chicago, Ill., assignor to Joseph E. Nelson & Sons, Chicago, Ill., a Copartnership composed of John E. Nelson and William H. Nelson. Filed May 4, 1923. Serial No. 636,745. 3 Claims. (Cl. 210—16.)



1. Liquid treating apparatus including a reaction chamber; means for supplying liquid to be treated and liquid treating chemical to said chamber; a settling tank in communicating with the reaction chamber at the lower part of said chamber and extending above said lower part of said chamber and having an outlet opening at an upper portion; and a trough in and extending crosswise of the settling tank in register with said outlet opening for conveying treated liquid thereto.

1,542,188. TANK. INOS B. TANNER, Chicago, Ill., assignor to Joseph E. Nelson & Sons, Chicago, Ill., a Copartnership. Filed Nov. 16, 1923. Serial No. 676,100. 3 Claims. (Cl. 72—13.)



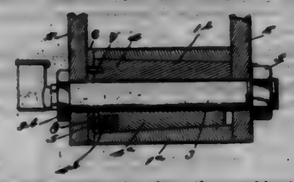
1. The combination with the body portion of a tank; of a concrete foundation upon which said body portion is placed and inclusive of a portion constituting the bottom wall of the tank and downwardly converging toward the axis of the tank and terminating in a discharge pipe integrally formed therewith, and also formed with supporting legs at and projecting downwardly from the body portion of the tank.

1,542,189. SHOE OR ANKLE ORNAMENT. RALPH A. THOMPSON, Garland, Pa. Filed Dec. 27, 1922. Serial No. 609,353. 1 Claim. (Cl. 2—245.)



A device of the class described, comprising an attachment member of cruciform shape, adapted to be attached at the end to a shoe, and a ring member attached to the attachment member, said ring member being folded over on a diameter to receive and detachably hold an ornament therein.

1,542,190. SPRING SHACKLE. BRUCE WHITE TRAYLOR, Philadelphia, Pa. Filed Jan. 23, 1924. Serial No. 687,954. 4 Claims. (Cl. 267—54.)



1. In a compensating bearing, the combination with a pivot member and an encircling sleeve spaced therefrom, one of said members having its bearing surface of frusto-conical shape, of an interposed longitudinally divided bushing having a frusto-conical face corresponding to said frusto-conical bearing surface, one section of said divided bushing being shorter than the other, and spring means exerting pressure on said shorter section.

1,542,191. MOLD BOX FOR BLOCK PRESSES. JOSEF VAN HÜLLEN, Crefeld, Germany. Filed Oct. 17, 1924. Serial No. 744,192. 4 Claims. (Cl. 18—42.)



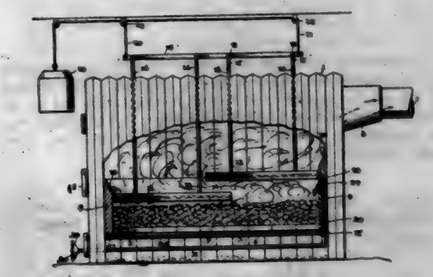
1. A mold box for block presses comprising in combination with the box proper having conical inner walls, conical heatable plates bearing against said conical inner walls of the mold box so that an inner space is formed enclosed by vertical faces, projections on said conical plates, and abutments on the inner walls of the mold box for limiting the movability of said heatable plates.

1,542,192. CHECK-BOOK HOLDER. JOSEPH A. VAUTROT, Mobile, Ala. Filed Apr. 15, 1925. Serial No. 23,877. 2 Claims. (Cl. 281—19.)



1. The combination with a foldable check book holder comprising a body portion adapted to be folden intermediate its ends, and a flap carried by one end of said bottom portion and adapted to be detachably secured to the other end when in closed position, of a spring carried by said body portion and extending on opposite sides of said intermediate point, said spring being adapted to be placed under tension when said holder is folded.

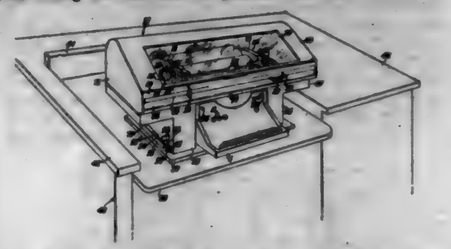
1,542,193. HEATING FURNACE. FRANK A. WALD, Camp Hill, Pa. Filed May 8, 1923. Serial No. 637,590. 8 Claims. (Cl. 110—66.)



1. A heating furnace having a grate, a plurality of arches positioned above the grate, suspending means for the arches capable of adjustments to vary the space between the arches and the grate, and means permitting relative adjustments between the arches.

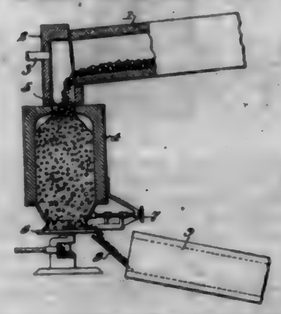
1,542,194. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed June 17, 1921. Serial No. 478,231. 13 Claims. (Cl. 197—186.)

1. In combination, a base which may be used in a drop-head typewriter desk, a typewriting machine mounted on said base, a sound-deadening casing mounted on said base and enclosing said machine, means for fastening said casing to said base to prevent rearward movement



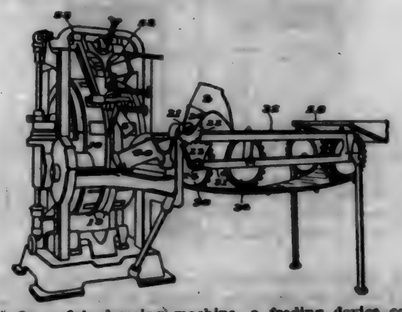
of said casing on said base when the latter is tilted rearwardly, and means within the casing for preventing movement of the machine relative thereto.

1,542,195. LIME-BURNING PROCESS. IRVING WARNER, Bellefonte, Pa. Filed Sept. 15, 1923. Serial No. 662,954. 1 Claim. (Cl. 222—4.)



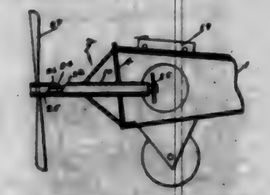
The process of making lime from limestone which consists in heating the same in passage through a rotary kiln to a temperature above that of dissociation and then transferring the heated mass, while still above the dissociation temperature, to a heat insulated receptacle and permitting the mass to remain in this receptacle for a sufficient time to complete the calcination.

1,542,196. FISH-DRESSING MACHINE. EDWARD H. WAUGH, Seattle, Wash., assignor to Smith Cannery Machines Co., Seattle, Wash., a Corporation of Washington. Filed July 30, 1923. Serial No. 654,627. 64 Claims. (Cl. 17—3.)



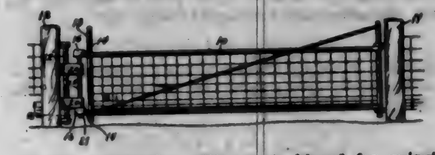
4. In a fish dressing machine, a feeding device comprising an endless fish carrying apron, an endless chain connected to move in time with and alongside the apron and having fish positioning means, said chain stopping short of the apron at its delivery end, and a fish treating means acting upon the fish after being released by the chain and while still supported by the apron.

1,542,197. TOY AEROPLANE. AUGUST WEBER, Jersey City Heights, N. J. Filed Aug. 17, 1922. Serial No. 582,460. 2 Claims. (Cl. 46—46.)



1. In a toy aeroplane comprising a body, a sleeve carried by the body having a cam surface at its forward end, a rotatable and slidable shaft in the sleeve, a cam member mounted on the said shaft cooperating with the cam surface of said sleeve, and a propeller rotatable with the shaft whereby noise is produced as the cam surface and cam member engage each other.

1,542,198. GATE LATCH. SMITH A. WELLMAN, Mason City, Iowa. Filed July 19, 1924. Serial No. 727,067. 3 Claims. (Cl. 292—52.)



1. The combination with a gate hinged for swinging movement relative to a latch post, of a latching device comprising a bearing having a stem by which it is fixed to the free end of said gate, a rod mounted for rotary oscillation and for vertical sliding movement in said bearing, a cap fixed to said rod above said bearing and having a depending peripheral flange, the flange of said cap being formed with a radial notch adapted to receive the stem of said bearing and prevent oscillation of said cap and rod, and divergent wings fixed to said rod and adapted to partially embrace the latch post at times.

1,542,199. GLOVE. CHARLES W. WHITE, Kewanee, Ill., assignor to The Boss Manufacturing Company, Kewanee, Ill., a Corporation of Illinois. Filed June 11, 1921. Serial No. 476,697. 3 Claims. (Cl. 2—161.)



1. A glove made of cloth and having a protecting covering for the palm and fingers, said protecting covering comprising a palm having finger portions formed integral therewith and separate finger portions adapted to be secured to the integral finger portions to entirely enclose the fingers of the glove, the seams formed by securing the separate finger portions to the integral finger portions being at the front of the fingers.

1,542,200. CLOTHESLINE. DANIEL N. WILKERSON, Washington, D. C. Filed Aug. 17, 1922. Serial No. 582,437. Renewed May 11, 1925. 1 Claim. (Cl. 68—3.)



A pinless clothes line link made of a single length of wire having a portion constituting the strain receiving bar straight throughout its length, said portion being bent at each end to provide an eye for connection to adjacent links, the wire being continued from one end by a sharp bend from the eye at said end to provide a clothes receiving eye adjacent that end and to be then wrapped spirally about the strain bar portion and diverging therefrom, said wire being then directed toward the strain bar and being tightly wrapped about the remaining eye, said diverging portion and the portion directed toward the strain bar constituting one side of a clothes receiving eye.

1,542,201. THEFT SIGNAL. JOHN T. WILSON, Los Angeles, Calif. Filed Dec. 15, 1923. Serial No. 680,877. 4 Claims. (Cl. 296—95.)



1. A convertible sun shield and theft signal for automobiles comprising an opaque visor pivoted at its upper edge to the upper part of the windshield frame, brackets secured on the side members of the windshield frame, slotted arcuate braces connected at one end to the visor and extending through said brackets, a clamp shaft extending through the slots in said braces and journaled in said brackets, a nut screw seated on one end of said shaft for engaging one of said braces, a tumbler on said shaft near its other end for engaging said other brace said nut and said tumbler cooperating to hold said visor in its upper position when used as a sun shield and to lock said visor in a vertical position in front of the wind shield when used as a theft signal.

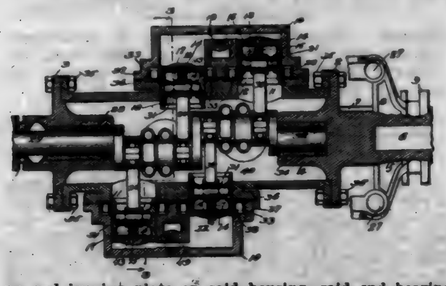
1,542,202. PROCESS FOR PRODUCTION OF TRANSPARENT EFFECTS IN COTTON FABRICS. ROBERT ZIMMERMANN, Tubach, Switzerland, assignor to the Firm Textilwerk Horn A.-G., Horn-on-the-Bodensee, Switzerland. Filed Mar. 28, 1923. Serial No. 628,324. 9 Claims. (Cl. 8—20.)

7. Process of producing soft, pliable cotton fabrics having a transparent effect, which comprises treating the fabric with a bath containing at least 60% of sulphuric acid, water, and at least 5% of ammonium sulphate, the percentage of acid being higher the higher the percentage of ammonium sulphate.

1,542,203. HYDRAULIC POWER TRANSMISSION. BERTRAM E. ADAMS and JOSEPH A. BLAIR, Gold Hill, Oreg. Filed June 28, 1923. Serial No. 648,341. 1 Claim. (Cl. 192—60.)

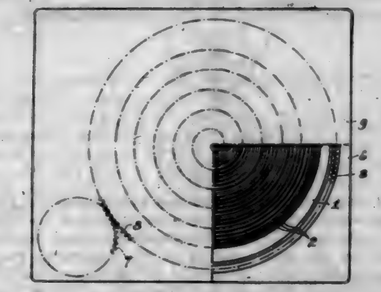
In a mechanism of the class described, the combination of a housing, a plurality of blocks on said housing, each block provided with a plurality of piston receiving cylinders and with a passage between and communicating with said cylinders, a rotary valve in each passage of

each block between the piston receiving cylinders, a driven shaft extending into said housing, pistons in said piston receiving cylinders and connected to said driven shaft,



an end bearing plate on said housing, said end bearing plate provided with an outwardly-extending hub-like portion, a pair of collars slidably mounted on said hub-like portion and held against rotation thereon, and connecting devices connecting said rotary valves and said collars.

1,542,204. SCREEN FOR RÖNTGEN-RAY EXAMINATION. ÅKE OLOF ÅKERLUND, Stockholm, Sweden. Filed Dec. 27, 1922. Serial No. 609,299. 3 Claims. (Cl. 250—34.)



1. In a rotatable screen for Röntgen-ray examination the combination of a carrier of a material permeable for the rays, and a plurality of substantially parallel spiral strips of an impermeable material, all extending from the same centre and having their planes coinciding in direction with that of the primary Röntgen-rays.

1,542,205. JAIL-LOCKING MECHANISM. JOHN ALLENSON, St. Paul, Minn., assignor to St. Paul Foundry Company, a Corporation of Minnesota. Filed June 14, 1922. Serial No. 568,148. 35 Claims. (Cl. 159—7.)



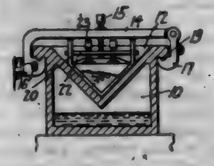
1. A locking device for pails comprising a latch bar, a bracket secured thereto, means engaging said bracket for raising said latching bar and individual means for engaging said bracket for lowering said latch bar.

1,542,206. TRACTION WHEEL. LOUIS W. ANTHONY, Albany, Oreg. Filed Sept. 22, 1922. Serial No. 589,827. 6 Claims. (Cl. 301—43.)



5. A traction wheel comprising a sectional hub supported upon an axle, an eccentric rotatable with respect to the axle and located between said sections, a collar rotatably mounted upon the eccentric, an outer rim supported by spokes radiating from the hub, an inner rim supported upon spokes radiating from the collar, means for rotating the eccentric, and traction means on the inner rim projectable through the outer rim.

1,542,207. VULCANIZING MACHINE. GEORGE S. BARKER, Denver, Colo. Filed Dec. 17, 1923. Serial No. 681,265. 6 Claims. (Cl. 18—19.)



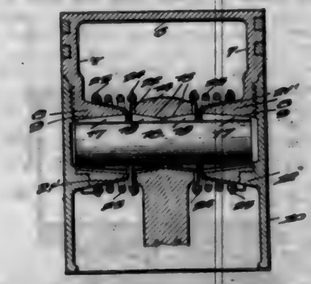
1. A vulcanizing machine comprising a heat-containing unit and curing molds arranged to be clamped against said heat-containing unit, said curing molds comprising sections arranged to be clamped together around the article to be cured before said molds are clamped against said heat-containing unit.

1,542,208. CLOTHESPIN. GEORGE C. BERGER, Fosston, Minn. Filed Jan. 30, 1924. Serial No. 689,463. 2 Claims. (Cl. 24—137.)



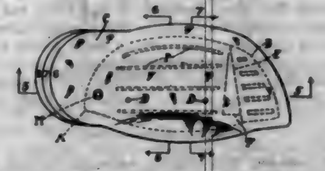
1. A clothes pin comprising coacting gripping members pivotally connected with each other, means yieldably urging the members into contact with each other at their lower portions, the lower portion of each member being bent back upon itself to provide a rounded shoulder and being provided in its back-bent portion with indentations providing gripping protuberances.

1,542,209. WRIST-PIN MOUNTING. ALFRED BRONSON, New Bedford, Mass. Filed July 26, 1922. Serial No. 577,648. 7 Claims. (Cl. 74—108.)



1. The combination with a movable member having a tapered socket, of a wrist pin extending into the socket, and a tapered split bushing having weakening slots both on the inside and outside of the bushing.

1,542,210. FOOT-ARCH-SUPPORTING DEVICE. DAVID BONADA, Cooma, New South Wales, Australia. Filed May 6, 1924. Serial No. 711,916. 3 Claims. (Cl. 36—71.)



3. A foot-arch supporting device for use within a boot or shoe and formed in two parts, in which one element of a transversely disposed tapered hinge is formed on the underside of the forward end of one part and a complementary hinge element is formed on the rearward end of the other part, said hinge providing the required flexibility.

1,542,211. COUPLING FOR RAILWAY OR OTHER VEHICLES. WILHELM G. BOONSAIER, London, England; Irene Kathleen Holland and Gregorio John Boonsaier executors of said Wilhelm G. Boonsaier, deceased. Filed Aug. 15, 1923. Serial No. 657,620. 3 Claims. (Cl. 213—107.)



1. An automatic coupling, comprising a coupling head having a pair of forwardly-extending arms providing a buffer recess between them; a pinion mounted in one arm and projecting into said recess to engage a similar pinion on the opposed coupling member; and a pawl pivotally mounted on the coupling head and having two separate locking portions, one for coaction with said pinion and the other for directly and simultaneously engaging a part of said head.

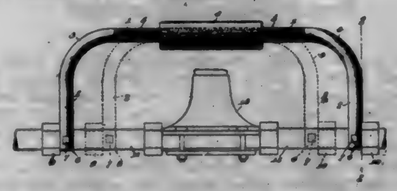
1,542,212. GAS BURNER AND HEATING APPLIANCE. JOHN WAINWRIGHT BOWERBANK, Kidderminster, England. Filed Apr. 5, 1924. Serial No. 704,537. 1 Claim. (Cl. 126—40.)

A gas heating appliance comprising a burner of the kind described secured centrally upon a bottom plate having an air inlet aperture centrally beneath said burner and an upstanding rim surrounding said burner, means for adjusting the burner valve from above the bottom plate and also from below said plate, radial arms on said



plate, means for radially adjusting said arms, and means on said arms inter-engaging with the legs of a stand associated with the vessel to be heated to secure said appliance at different positions in said stand, substantially as described.

1,542,213. JACK. THOMAS PERRY BROCKETT, Goldsboro, N. C. Filed Oct. 14, 1924. Serial No. 743,606. 2 Claims. (Cl. 254—100.)



2. A device of the character described comprising a pair of pressure exerting members, each being substantially L-shaped and consisting of a straight threaded attaching end portion, a straight contact end portion and a curved intermediate portion merging the straight attaching end portion and the contact end portion one into the other, a coupling nut connecting the attaching end portions of said members, whereby the contact end portions of the members will be held substantially parallel with each other, each of said contact end portions being formed with a pair of forks at its extremity, said forks being offset laterally of opposite sides of the body of the contact end portion and the inner wall of each contact end portion being concavely curved at the junction of the forks of said contact end portion to closely fit over a pipe or like circular member which is straddled by the forks, and a set screw threaded through a transverse opening in one of the forks of each contact end portion for securing said contact end portion to the member which is straddled by said forks.

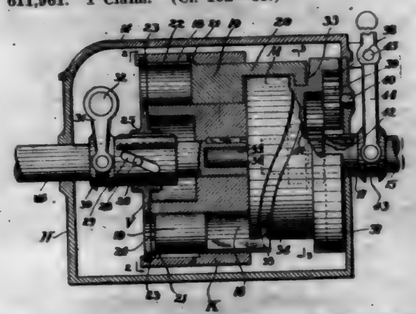
1,542,214. SHUTTLE-THREADING DEVICE. LOUIS ALEXANDRE CADORET, Pawtucket, R. I. Filed Oct. 30, 1924. Serial No. 746,886. 4 Claims. (Cl. 139—223.)



1. A thread guide comprising a base plate intended to be secured in a shuttle recess, and a length of wire over said plate, the wire being secured at one end to the plate and extended upwardly to form a thread-guiding leg, said wire being extended from the upper end of said leg to provide a substantially horizontal arm, the wire being bent substantially upon itself at the end of said arm and then declining to provide a second

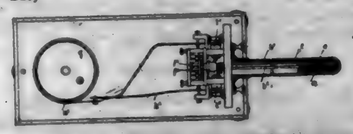
arm which diverges laterally from a vertical plane between the two arms, the lower extremity of said second arm being bent downwardly and secured to the plate to provide a second thread-guiding leg.

1,542,215. FLUID-CLUTCH TRANSMISSION FOR MOTOR VEHICLES AND THE LIKE. VAN ROY CARTER, Los Angeles, Calif. Filed Jan. 11, 1923. Serial No. 611,961. 1 Claim. (Cl. 192—59.)



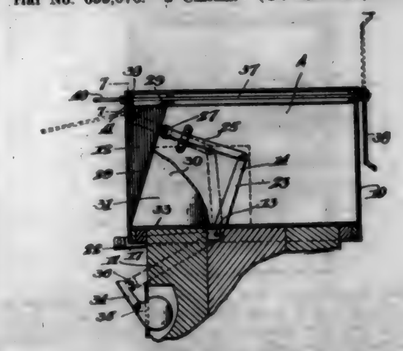
In a fluid clutch transmission, a driving shaft, a driven shaft, a motion conveying member adapted for operative connection with the driving shaft, said member being formed with a cam groove, piston and cylinder units fixed to the driven shaft, rods on the pistons, extensions formed on the rods of said pistons and engaging with said cam groove, a housing adapted to contain fluid, a valve fitting against the ends of the cylinder units and having openings adapted to register with the cylinders, said valve having a hub portion, a sleeve slidingly mounted on the driven shaft and having ribs to engage in grooves in the hub portion, the sleeve being connected to the driven shaft by pins fixed in the driven shaft and extending into cam slots in the sleeve, a collar extending from the sleeve, and a fork engaging the collar so that by operating the fork the sleeve may be reciprocated to rotate the valve to control the outlets of the cylinders.

1,542,216. INDUSTRIAL APPARATUS FOR THERMOMETRIC ANALYSIS. PIERRE CHEVENARD, Imphy, France, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Filed Feb. 7, 1922. Serial No. 534,782. 11 Claims. (Cl. 234—11.)



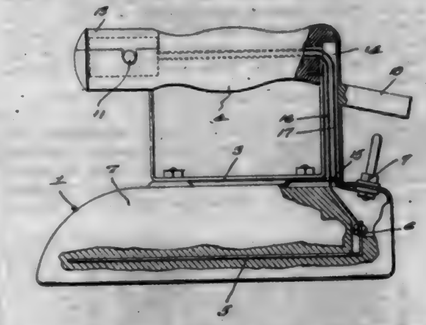
10. Apparatus for thermometric analysis comprising a tube, a specimen of the substance under examination placed in the bottom of the tube, an axial hole bored through the specimen, a needle located in the hole and impinging on the bottom of the tube and constituted by an alloy exempt from thermic anomalies, means for transmitting to the outside of the tube and amplifying the variations of the temperature of the specimen according to the variations of the length of the needle resulting from its expansion, means for transmitting to the outside of the tube and amplifying the variations of the length of the specimen resulting from its expansion, the amplification of these variations of length being different from the amplification of variations of the length of the needle, a recording cylinder, means for recording on this cylinder the variations transmitted to the outside of the tube and resulting from the needle and from the specimen.

1,542,217. RURAL MAIL BOX. JOSEPH ELWELL COLE, Dacre, Ontario, Canada. Filed Mar. 13, 1924. Serial No. 699,076. 2 Claims. (Cl. 232—17.)



1. A rural mail box comprising, in combination, a suitable support, a casing on the support having an open end, a door swingingly mounted in the open end, a compound lever pivotally mounted adjacent the door and designed to extend beyond the front end of the casing, the other end of said lever being adapted to slidably contact with the door whereby, on the front end of the lever being pressed downwardly, the door is opened, and whereby, on the front end of the lever being released, the door is automatically closed, guide means for the lever, and means outside the casing for retaining the lever in downwardly operated position to hold the door open.

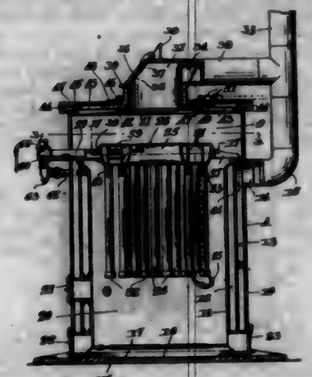
1,542,218. ELECTRIC IRON. LULA L. CONRAD, Johnstown, Pa. Filed June 30, 1924. Serial No. 723,260. 1 Claim. (Cl. 219—25.)



An electric iron including a base, a heating element in said base, a handle positioned above the base a substantially U-shaped supporting frame having its bight portion detachably connected to the top of said base and having the upper ends of its arms fastened to and supporting said handle, a conduit depending from one end of said handle, and communicating with a recess formed in said base, one end of said handle being recessed to provide a pocket, for reception of a controlling switch, and a removable cover for said pocket.

1,542,219. FURNACE. FREDERICK AUGUST DARCHERE, Ottawa, Ontario, Canada, assignor of three-fourths to William Frederick Powell, Ottawa, Ontario, Canada. Filed Sept. 10, 1923. Serial No. 661,954. 11 Claims. (Cl. 122—160.)

11. In a furnace of the character described, the combination with an outer casing and a suitable base having a top plate and a revolving cover plate, and an auxiliary flue through said plates, of an inner casing provided with a water jacket and adapted to form, in combination with the outer casing, an inner heating chamber and an outer heating chamber on each side of the water jacket, and of substantially lesser length than the outer casing, a header across the top of said chambers, and fluid heating elements from said header suspended within the inner chamber, whereby, in combination with the fire therein, the water in said elements and the water jacket is heated, a main flue through the side of the casing, and communicating with the outer chamber, and smoke baffle means for said flue, damper means in



the auxiliary flue adapted to divert the heat units and smoke to the outer chamber whereby the water in the water jacket is again heated, an inspection door in said cover and a plurality of apertures adapted to register individually with said door in the top plate, and cleaning door means in the auxiliary flue, cold water intake means connected to the header and the water jacket, hot water discharge means for the opposite side of the header, and hot water intake means connected to the water jacket, whereby the water circulates through the header and the water jacket to the heating coils and from the heating coils back to the water jacket.

1,542,220. PREHEATER. CHARLES A. DARIUS, Montclair, N. J. Filed May 4, 1922, Serial No. 558,478. Renewed Nov. 8, 1924. 16 Claims. (Cl. 110—175.)



1. An air pre-heater attachment for furnace doors embodying reversely disposed and nested metal pan members perforated to provide a tortuous path of air from the open end of the outer pan through the bottom of the latter and through walls of the inner pan, and means to attach the device to a furnace door with the open end of the outer pan contiguous with the inner surface of said door.

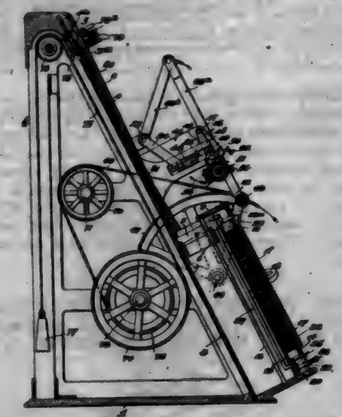
1,542,221. SECTIONAL INKING ROLLER. HENRY DE JARNETTE, Des Moines, Iowa. Filed Mar. 12, 1923. Serial No. 624,481. 1 Claim. (Cl. 91—67.5.)

In a sectional composition roller, a cylindrical metal core, a sectional roller supported thereon comprising a tubular lining having reduced ends to fit said core, and a composition cover for said lining, clamp devices for



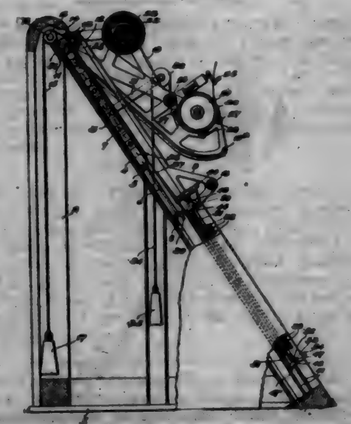
securing said lining to said core, said clamp devices and the reduced ends of the lining having coacting tongues and notches.

1,542,222. RAPID TYPE PRINTER. FRED A. DOLPH, Washington, D. C. Filed Mar. 4, 1924. Serial No. 696,890. 14 Claims. (Cl. 101—94.)



1. A machine of the class described, comprising a frame, type bars movably mounted thereon, means including resilient members for positively moving said type bars, a platen mounted on said frame and operatively associated with said means, a bank of movable type keys for limiting the movement of said bars in one direction, and resilient means for maintaining said type keys in any position to which they are moved.

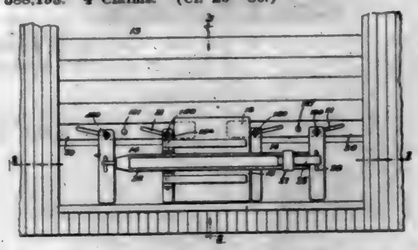
1,542,223. PRINTING MACHINE. FRED A. DOLPH, Washington, D. C. Filed July 11, 1924. Serial No. 725,509. 17 Claims. (Cl. 101—94.)



1. In a printing machine, the combination of a frame, type bars mounted for rotation and reciprocation in said frame, means for reciprocating said type bars, and

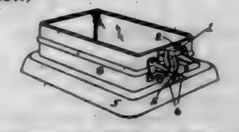
a keyboard including a plurality of letter keys, each of said keys being adapted to control the rotation and the longitudinal movement of one of said bars.

1,542,224. GRAIN-CAR DOOR. JOSEPH E. DRAKE, Blue Rapids, Kans. Filed Sept. 14, 1922. Serial No. 588,193. 4 Claims. (Cl. 20—30.)



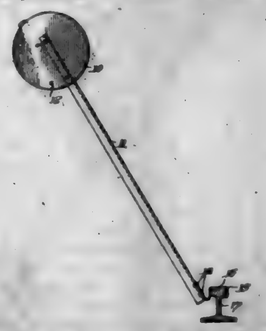
1. An auxiliary grain car door adapted to be detachably secured at its ends in a door opening beneath a main door, said auxiliary door including sections hinged together and presenting an opening therebetween, a closure for said opening hinged to one of said sections and movable to close or open position, and means on said sections of the auxiliary door movable in a vertical plane to engage the main door above and constitute a support therefor until said main door is nailed in position.

1,542,225. FLASK-POSITIONING DEVICE FOR PATTERN PLATES. HOWARD T. DUDLEY, Saginaw, Mich. Filed Jan. 11, 1924. Serial No. 685,569. 8 Claims. (Cl. 22—157.)



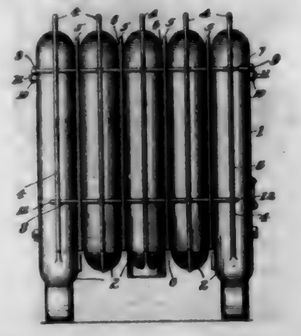
1. A flask-member positioning device for a pattern plate comprising an apertured lug on one end of said flask member and a fixed pin therefor on said plate, a pair of projections spaced apart on said pattern plate, an apertured lug on the other end of said flask member, the side faces of said lug adapted to fit closely, with respect to transverse dimensions only, between said projections.

1,542,226. TRACK-SIGNAL-FLAG HOLDER. HARRY W. FAHNESTOCK, Chicago, Ill. Filed Sept. 12, 1924. Serial No. 737,283. 1 Claim. (Cl. 246—477.)



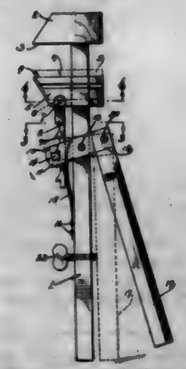
A railway signal comprising in combination a track clamp having an inturned portion adapted to engage a rail head on the underside thereof and having a vertical portion at the outside thereof adapted to engage the outer side of the rail head and an angularly disposed inner portion adapted to engage the inner side of a rail head, with portions of the clamp connecting said engagement and clamping portions, a signal holder secured at an angle of 45° to said clamp and a signal carried by the said holder.

1,542,227. RADIATOR GUARD. HERMAN J. FISHER and ARTHUR BETZ, Pasadena, Calif., assignors to Crown Gas Radiator Company, Pasadena, Calif., a Corporation of California. Original application filed Nov. 15, 1922. Serial No. 601,010. Divided and this application filed May 8, 1923. Serial No. 637,508. 1 Claim. (Cl. 126—202.)



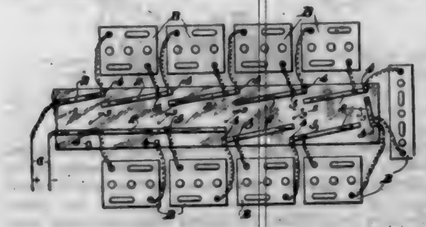
The combination with a radiator comprising the usual spaced vertical sections; of perforate lugs on the outer sides of the end sections and near the top thereof, a guard for said radiator comprising spaced parallel bars adapted to extend laterally of the radiator, right angularly disposed arms at the ends of the uppermost of said bars, downturned hooks on the ends of said arms to enter said lugs, the said bar being spaced from said radiator when said hooks are engaged in said lugs, the other of said bars being shorter than the upper bar, looped portions at the ends of said other bar to engage with the sections of the radiator, and rods arranged in spaced parallel relation with each other and at right angles to said bars; the upper ends of certain of said rods bent inwardly to overlie portions of said radiator and spaced from the latter.

1,542,228. WRENCH. JAMES D. FRANKLIN, Chattanooga, Tenn. Filed Mar. 20, 1923. Serial No. 626,826. 1 Claim. (Cl. 81—86.)



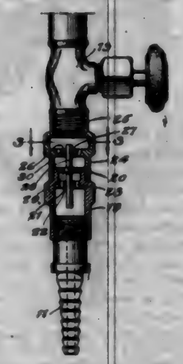
In a wrench of the class described, comprising a shank having a fixed jaw at its upper end, a slidable jaw carried on said shank, said slidable jaw being provided with a socket in its lower face, a rack bar pivoted at its upper end within the socket of said slidable jaw and suspended from the latter adjacent one side edge of said shank, a bracket comprising a pair of parallel plates straddling said shank and pivoted thereto intermediate of its ends, a dog carried between the inner ends of the plates forming said bracket and adapted to engage the teeth of said rack bar, a lever reduced at its upper end and having said reduced end extended between and secured to the outer ends of the plates forming said bracket, the shoulders formed at the reduced end of said lever abutting the lower edges of the plates forming said bracket to provide a secure connection therebetween, a leaf spring secured at its one end to the side edge of said shank and bowed to contact with the side edge of the rack bar and normally retain the latter in engagement with said dog, said shank being provided with a threaded opening therein adjacent its lower end and a thumb screw extending through said threaded opening and adapted to have its end contact with the inner side edge of said lever to limit the inward movement of the latter, as and for the purposes described.

1,542,229. BATTERY-CHARGING SWITCHBOARD. JACOB PLANNIB GANTT, Wagener, S. C. Filed June 20, 1924. Serial No. 721,374. 5 Claims. (Cl. 175—298.)



1. A battery charging switch board comprising a panel, a plurality of alined switch arms pivotally mounted thereon, a switch contact mounted on said panel adjacent the free end of each of said switch arms, and means at the inner ends of each switch arm for receiving the adjacent free end of the next switch arm.

1,542,230. WELDING TORCH. ADOLF GANS, New Brighton, N. Y. Filed Dec. 18, 1922. Serial No. 606,590. 1 Claim. (Cl. 251—127.)



A valve structure comprising a housing provided at a point between its ends with a partition wall having a central guide opening and a series of eccentrically positioned ducts passing therethrough, the said housing being of greater internal diameter at one side of the partition wall than at the opposite side thereof, the housing being provided at that end of smaller internal diameter with a valve seat, a valve stem having one end portion slidably received in the central opening of the partition, a valve disk carried at the intermediate portion of the stem and adapted to close against said seat, a casing provided at a point between its ends with a diaphragm wall having a central guide opening wihch slidably receives the other end portion of the valve stem, the diaphragm also having a series of eccentrically positioned ducts passing therethrough and which converge inwardly toward the center of the valve disk, the casing being detachably connected at one end with the smaller end of the housing, the internal diameter of the casing at one side of the diaphragm being greater than the internal diameter at the opposite side of the diaphragm, the valve disk being received in the smaller end portion of the casing and the opposed side surfaces of the diaphragm and the valve disk lying in parallel planes whereby the said surfaces may meet in close contact with each other and the valve disk may completely close the ends of the converging ducts in the diaphragm.

1,542,231. COMBINED CORNER SHIELD AND CASTER. WALTER SUMNER GARFIELD, Dothan, Ala. Filed Dec. 4, 1923. Serial No. 678,526. 5 Claims. (Cl. 16—24.)



2. A combined corner shield and caster for use on trunks, said corner shield comprising a body portion having attaching wings, the body portion and the attaching wings being adapted to be secured flush up against the trunk, a caster housing integral with said body portion, said caster housing having a guide opening therein and having an inwardly directed marginal flange around the outer end of said opening and a recess around the inner end of said guide opening, a ball carrier arranged in said housing and having a socket therein, a ball rotatably mounted in said socket, a collar fixed to the carrier and having a flange enlarging the peripheral area of the collar and providing a spring seat, the periphery of the collar being slidably engaged with the wall of the guide opening, a compression coil spring having one end engaged with the spring seat of said collar, and a plate having a spring seat engaged with the opposite end of said coil spring, the plate being received in the recess of the body portion and being held therein by engagement with the trunk.

1,542,232. ALLOY. PIERRE GIRIN, Paris, France, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Filed Dec. 9, 1920. Serial No. 429,543. 6 Claims. (Cl. 75—1.)

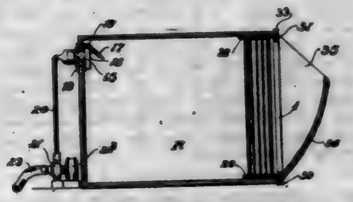
1. An alloy of the character described containing nickel 25 to 40 per cent, metal of the chromium group appreciably in excess of 8 and not more than 15 per cent, manganese 0.5 to 5 per cent, carbon 0.3 to 1 per cent and the remainder iron.

1,542,233. ALLOY. PIERRE GIRIN, Paris, France, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Filed Dec. 9, 1920. Serial No. 429,545. 1 Claim. (Cl. 75—1.)

An alloy of the character described containing nickel appreciably in excess of 20% and not exceeding 40%,

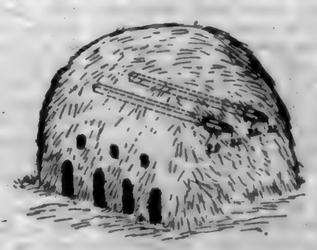
chromium 10% to 15%, manganese 1% to 5%, carbon 0.2% to 1%, and iron the remainder, said alloy being heat-resistant and non-corrodible and having ductility and malleability adapting it for wire drawing and forging.

1,542,234. GERMICIDE TANK. JAMES M. GOLDEN, Paso Robles, Calif. Filed July 21, 1922, Serial No. 576,581. Renewed Mar. 18, 1925. 4 Claims. (Cl. 183—44.)



1. In a cleaning apparatus, a receptacle having a closed end and an open end, a nipple fitted in the closed end of the receptacle and having a head constituting a valve seat, a valve hingedly supported on the seat and normally occupying a closed position to close the end of said nipple, a conduit connected to the nipple, means for creating a suction inwardly of the conduit, a filtering member in the receptacle, and a chute removably fitted in the open end of the receptacle for deflecting the air and solid particles upwardly from the receptacle.

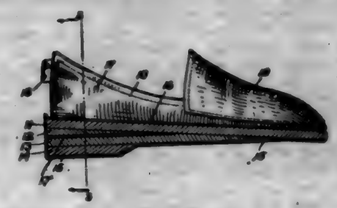
1,542,235. PROCESS OF STACKING AND CURING GRAIN. DAVID M. GRAHAM, Bordulac, N. Dak., assignor to Graham-Roach Harvester & Stacker Company of North Dakota. Filed Apr. 3, 1918. Serial No. 226,423. 2 Claims. (Cl. 98—26.)



1. A process of stacking and curing grain, which consists in forming a stack of the same, allowing the grain berries to mature and cure in said stack; then, before overheating or spoiling of the berries in the interior of the stack, restacking said stack, at the same time forming therein a defined ventilating air space and disposing in the interior of the second stack the drier grain from the exterior parts of the first stack, and disposing on the exterior of said second stack the moister grain from the interior of said first stack.

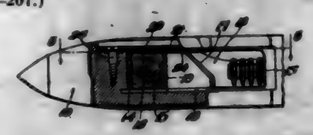
1,542,236. SLIPPER. MAX GREENBLATT, New York, N. Y. Filed July 14, 1924. Serial No. 725,792. 3 Claims. (Cl. 36—12.)

3. A slipper having an upper sole portion extending to the rear thereof, a wedge shaped lower sole portion extending to the rear thereof, a wedge shaped insert located at the rear of the slipper intermediate said sole portions, a fabric facing stitched to said insert and said upper sole portion, said fabric facing covering the top of said upper sole portion and having its ends turned inwardly under said insert, a second fabric facing covering the bottom of said lower sole portion and having its ends



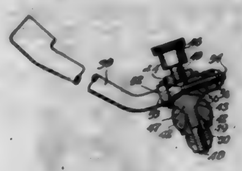
turned inwardly above the top thereof, and an upper having the ends of the rear thereof turned inwardly and located between the inturned ends of said facings.

1,542,237. SHUTTLE. RALPH L. GREENE, Attleboro, Mass., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed July 21, 1924. Serial No. 727,141. 1 Claim. (Cl. 139—207.)



A shuttle comprising a body provided with a bobbin recess, a shuttle spring and bobbin guide supported in the shuttle body, and a filler plate provided with a recess adapted to embrace the inclined portion of the bobbin guide so as to interlock the bobbin guide and filler plate and prevent the lateral displacement of the one with relation to the other.

1,542,238. UNIVERSAL JOINT. WILLIAM G. GRIFFETH, Charlotte, N. C., assignor to Robert L. Carithers, Winder, Ga. Filed Nov. 8, 1923. Serial No. 673,459. 2 Claims. (Cl. 287—96.)

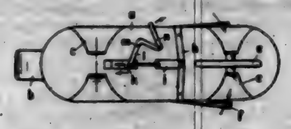


1. In a steering mechanism, a drag link, and means for connecting said drag link to the crank arm of a steering wheel comprising a portion on said drag link having an opening tapering inwardly from both sides to form a double cone shaped opening, a block bolt having a cone shaped end rotatably mounted in said opening, said block bolt having a reduced portion adapted to receive a cone shaped bushing, the other end of said block bolt having a transverse double cone shaped opening therein, and a crank arm having a conical portion rotatably mounted in said transverse opening and having a reduced extension adapted to receive a cone shaped bushing.

1,542,239. ROLLER SKATE. CARL HAAS, St. Moritz-Bad Engadin, Switzerland. Filed June 3, 1924. Serial No. 717,506. 1 Claim. (Cl. 208—173.)

A roller skate comprising in combination a foot plate made from sheet aluminium, a lever system on the lower surface of said sole plate, sole claws and heel claws fixed

on said lever system and an elbow lever for operating said lever system so that the sole claws and heel claws



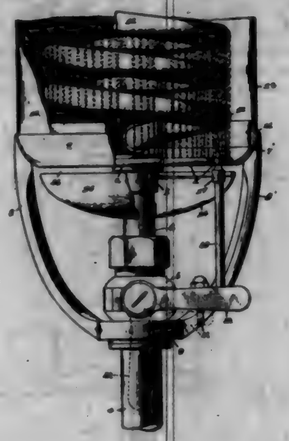
are simultaneously pressed against the boot, and an extension at the rear end of the foot plate said extension being bent down so that it can serve as brake.

1,542,240. AUTOMOBILE BUMPER. ALBERT HARRIS, Toronto, Ontario, Canada. Filed July 12, 1924. Serial No. 725,722. 1 Claim. (Cl. 293—55.)



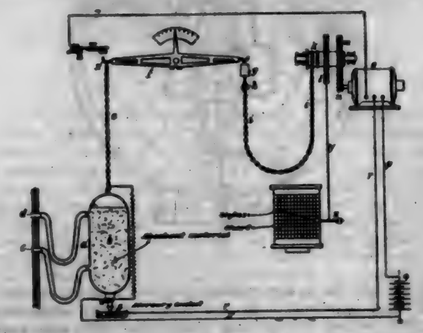
A bumper for automobiles, comprising a main bar member curved inward at its ends, a bar member fitting against the aforesaid bar member intermediately of its length and having its ends bowed outward from such main bar member and the extremities of the bowed portions curved inward to bear freely against the inturned ends of the main bar member, and means for clamping the main and bowed bar members together.

1,542,241. GAS BURNER. CARL HARTMANN, San Francisco, Calif. Filed July 15, 1924. Serial No. 726,137. 3 Claims. (Cl. 126—350.)



1. A gas burner comprising a plurality of arms each having a plurality of restricted apertures; a ring mounted around the burner arms and adapted to receive an element to be heated; a reflector mounted below the arms and ring and having its upper edge in slightly spaced relation to the lower edge of the ring to form an annular air passage around the burner arms; and a valve controlling the passage of gas to the burner arms whereby gas from a source of supply may be caused to issue from the restricted apertures in the arms without prior admixture with air for burning below and around the element to be heated, the combustion of said gas being supported by air admitted around the burner arms only through the passage between the reflector and the ring.

1,542,242. METHOD AND APPARATUS FOR CARRYING OUT AUTOMATIC GAS ANALYSIS BY WEIGHT. CARL A. HARTUNG, Berlin, Germany. Filed Nov. 14, 1924. Serial No. 749,964. 5 Claims. (Cl. 23—232.)



1. A method for carrying out automatic gas analysis by weight, which consists in passing the gas through absorbent material, continuously balancing said material, controlling the balancing operation by the increase in weight of the material, and recording the increase in weight.

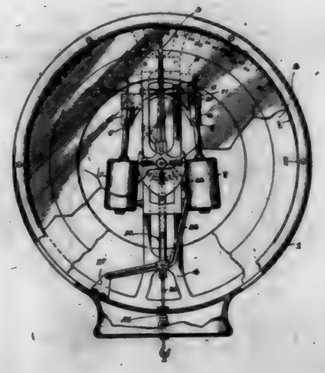
5. A device for carrying out the hereindescribed method of automatic gas analysis by weight, comprising in combination a vessel containing absorbent material, flexible gas conduits leading to and from said vessel, a weighing device for continuously balancing the vessel, means to reset the weighing device operated by the increase in the weight of the said vessel, and means to record the increase in weight.

1,542,243. TOOTH-CLEANING IMPLEMENT. WILLIAM F. HEINELMAN, Pittsburgh, Pa. Filed Jan. 15, 1924. Serial No. 686,422. 4 Claims. (Cl. 132—92.)



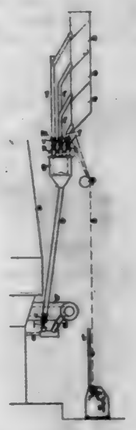
1. A device for the purpose set forth comprising a body, means whereby the body may carry a supply of dental floss, a holder adjustably mounted upon one end of the body, a latching member mounted in the end of the body and engaging the holder to yieldably retain the same in a set position, and guides within the body for directing dental floss to the holder.

1,542,244. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 26, 1919. Serial No. 347,431. 12 Claims. (Cl. 265—62.)



1. In a scale, in combination, a frame, a pendulum comprising a connected head and bob, a flexible supporting member having non-winding connections with said head and said frame, and a guide for preventing undue swinging of said head.

1,542,245. METHOD OF CHARGING SHAFT FURNACES WITH FINELY-GROUND CHARGING MATERIAL BY FEEDING INTO THE SMELTING ZONE. HERMANN HENRICH, Duisburg, Germany, assignor to Deutsche Maschinenfabrik A. G., Duisburg, Germany. Filed Jan. 27, 1922. Serial No. 532,287. 5 Claims. (Cl. 266—27.)



2. Apparatus for charging into the smelting zone of blast furnaces by way of the air blast tuyères finely divided substances such as ore, fuel and flux, comprising a number of separate containers for the said substances, a mixing container disposed beneath the said containers, conduits between the said containers and the said mixing container through which the said substances may respectively pass, valves on the said conduits, means for independently regulating the said valves, and a conduit between the said mixing container and the air blast pipes, substantially as described.

1,542,246. BELT BUCKLE. ARAM HOGASSIAN, New York, N. Y. Filed Apr. 24, 1924. Serial No. 708,704. 5 Claims. (Cl. 24—180.)



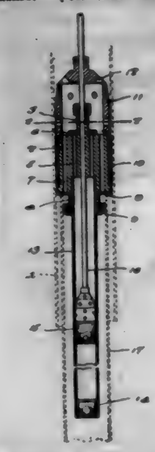
1. A belt buckle comprising a face plate, a bail swingingly mounted thereon, means upon the bail for the connection thereto of one end of a belt of ordinary type provided with openings, and a tongue upon the bail for engagement in the said openings in the belt, the said bail having an open portion through which the belt end is insertible and the said tongue projecting into said open portion of the bail.

1,542,247. LOCKING DEVICE FOR BOLT NUTS AND THE LIKE. JAMES BRUCE HOOD, Newark, N. J. Filed Aug. 18, 1924. Serial No. 732,634. 7 Claims. (Cl. 151—25.)



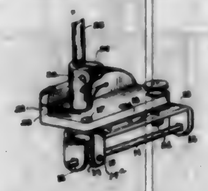
3. A nut locking device, comprising a nut and a resilient coil segment, concentric with and frictionally engaging the helix of the bolt to which the nut may be applied, one end of said segment to be movably hinged to the top surface of the nut and the other end wound in a direction corresponding to the unscrewing direction of the helix.

1,542,248. WORKING BARREL. CHARLES P. HOWE, Walters, Okla. Filed Sept. 20, 1924. Serial No. 738,984. 2 Claims. (Cl. 103—178.)



1. A working barrel structure comprising a fitting provided at its opposite ends with nipples, one nipple being of greater diameter than the other nipple, a cylinder connected in the larger nipple and having a valve, a plunger slidably mounted in the cylinder, said fitting being provided with passageways which communicate with the upper end of the cylinder, the valve member slidably mounted upon the smaller nipple and adapted to close the upper ends of said passageways, the said fitting being provided with other passageways located beyond the first mentioned passageways, and a valve member located upon the larger nipple and adapted to be disposed in the lower end of the second mentioned passageways.

1,542,249. RACK FOOT OR SUPPORT. SAMUEL N. HURT, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 10, 1919. Serial No. 343,915. 10 Claims. (Cl. 265—32.)



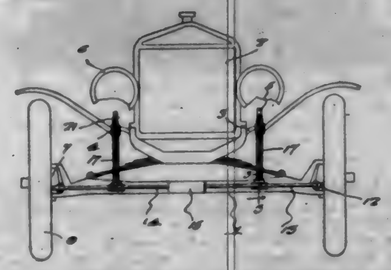
1. In a scale, in combination, a lever, a rack bar connected thereto, means for adjusting said rack bar angularly relative to the plane of movement of said lever, and means for adjusting said rack bar bodily laterally.

1,542,250. CREAM SEPARATOR. ROY S. INNES, Madison, S. Dak. Filed Apr. 8, 1924. Serial No. 704,983. 2 Claims. (Cl. 137—20.)



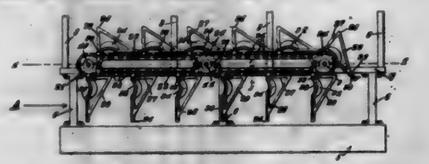
2. In a cream separator, a substantially J-shaped siphon tube, an air tube rigidly connected to the short leg of the siphon tube and having a shoulder, a flexible disk formed to seat on top of a milk bottle and having a central opening removably receiving the tubes, said shoulder of the air tube being located opposite and adjacent to the curved part of the siphon tube whereby said shoulder and the said adjacent curved part form abutments to each engage the upper face of the disk.

1,542,251. DIRIGIBLE HEADLIGHT FOR AUTOMOBILES. VICTOR KETTELER, Neshkoro, Wis. Filed Mar. 21, 1924. Serial No. 700,891. 1 Claim. (Cl. 240—62.)



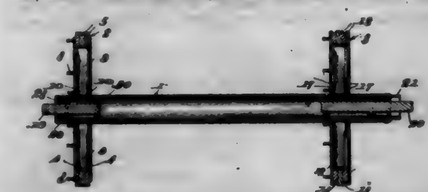
A dirigible headlight gear for an automobile machine comprising a rod pivotally connected at its ends with the steering knuckles of the machine and provided with sections of gear teeth, a guide mounted upon the intermediate portion of the axle of the machine and receiving the intermediate portion of said rod, lamp posts pivoted upon the frame of the machine and provided with angularly disposed arms, gear wheels carried by the arms and meshing with the teeth of the bar and springs coiled around the lamp post and serving to hold the teeth of the gear wheels in close contact with the teeth of the bar.

1,542,252. TIDE AND CURRENT MOTOR. MARTIN KIMBLE, Washington, D. C. Filed Oct. 25, 1921. Serial No. 510,258. 3 Claims. (Cl. 170—86.)



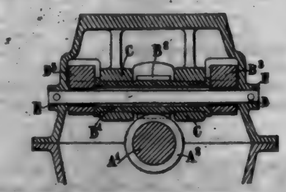
2. In a device of the class described, a vessel, sprocket wheels journaled on the vessel, a sprocket chain engaged with the wheels, and buckets pivoted to the chain, the buckets being provided with recesses located closely adjacent to the pivotal mountings of the buckets on the chains, the recesses being concaved to conform to the periphery of one wheel, thereby to permit the buckets to rest on said wheel throughout an appreciable portion of the periphery of the wheel, and to lessen the leverage of the buckets on the pivotal mountings of the buckets as the buckets feather upon leaving the water, and as the buckets move over said wheel and upon the upper run of the chain.

1,542,253. GUDGEON FOR BULL WHEELS. MEINHARD H. KOTZEBUE, Tulsa, Okla., assignor of three-fourths to Walker S. Estes, Tulsa, Okla. Filed Jan. 22, 1924. Serial No. 687,806. 2 Claims. (Cl. 64—41.)



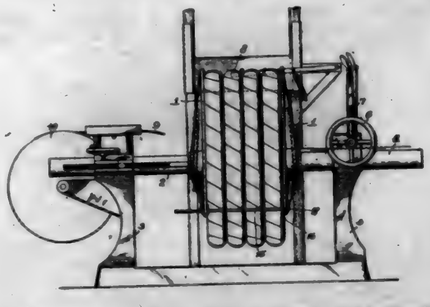
1. A device of the character described comprising a tubular shaft, a gudgeon inserted in one end of the shaft, a pair of disks welded to the gudgeon in spaced relation one being welded to the shaft on the inside the other being of the same dimensions as the shaft and welded to the end thereof to provide a closure plate, and a third disk welded to the inner extremity of the gudgeon and having frictional engagement with the inside of the tubular shaft.

1,542,254. BALANCING OF RECIPROCATING ENGINES. FREDERICK WILLIAM LANCHESTER, Birmingham, England. Filed Nov. 18, 1924. Serial No. 750,649. 4 Claims. (Cl. 24—38.)



1. Harmonic balancing mechanism for a reciprocating engine including a pair of reverse rotating rotor elements each comprising a driven portion and a pair of balance weights driven thereby but mounted independently thereof.

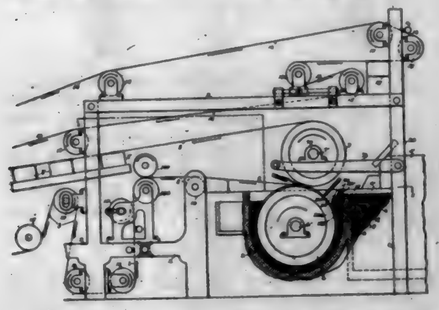
1,542,255. TIRE-STRAPPING PRESS. JOHN W. LESLIE, Evanston, Ill., Assignor to Signode System, Inc., Chicago, Ill., a Corporation of Delaware. Filed June 29, 1921. Serial No. 481,212. 7 Claims. (Cl. 100—31.)



1. In apparatus of the class described, and in combination, a pair of separately adjustable compressing means, having a compressing movement in a horizontal direction, adapted to compress and hold a plurality of tires, and facilitate their being formed into a bundle; and radially adjustable means whereby said tires may be supported directly from the compressing means.

6. In apparatus of the class described, and in combination, rotatable compressing means, having a compressing movement in a horizontal direction, adapted to compress and hold a plurality of tires, and facilitate their being formed into a bundle; means whereby said tires may be supported directly from the compressing means, said latter means permitting rotation of said tires with said compressing means, and tire feeding means adapted to feed tires into said supporting means.

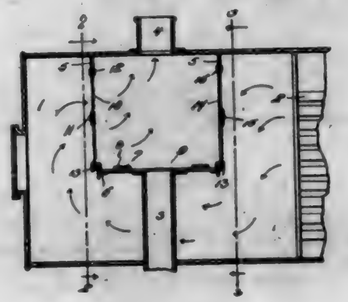
1,542,256. PAPER-MAKING MACHINE. WINFIELD E. MCINTYRE, Fayetteville, N. Y. Filed July 24, 1924. Serial No. 727,995. 11 Claims. (Cl. 92—43.)



3. In a machine for making cloudless tissue paper, the combination with a cylinder, a vat, and a flow-box separated from the vat by a submerged dam, of a gage mounted upon the top of the dam for regulating the flow of the liquid pulp into the vat, and a deflector disposed between the flow-box and the cylinder for preventing the pulp from contacting with the cylinder until it sinks below the gage.

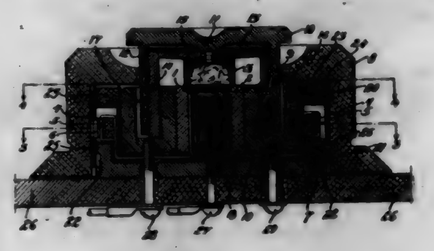
1,542,257. DRAFTING SYSTEM FOR LOCOMOTIVES. WILLIAM L. MCMAHAN, Oskaloosa, Iowa, assignor of one-third to L. L. Jordon, Oskaloosa, Iowa. Filed Aug. 7, 1924. Serial No. 730,656. 1 Claim. (Cl. 110—47.)

In a locomotive, a draft system comprising an exhaust nozzle leading into the smoke box, sectional baffle plates hingedly connected together and provided at their edges with clips, flanges located in the smoke box of the locomotive, and adapted to be engaged by said clips, table plates hingedly connected together and provided at their hinged edges with recesses, said recesses adapted to register with the discharge end of the exhaust nozzle, said table plates adapted to rest upon the flanges



in the smoke box, and screen sections hingedly connected together and having at their free edges clips adapted to engage the flanges in the smoke box, the baffle plates being interposed between the flues and exhaust nozzle of the locomotive, and the scren sections being interposed between the exhaust nozzle and the forward end of the smoke box.

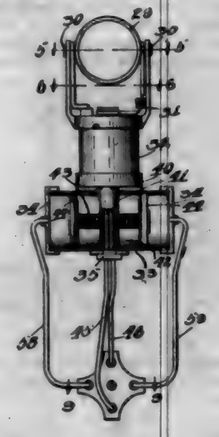
1,542,258. MINERAL DETECTOR AND RECTIFIER FOR RADIORECEPTION. JOSEPH MCMENAMIN, Philadelphia, Pa. Filed Oct. 17, 1922. Serial No. 595,025. 14 Claims. (Cl. 250—31.)



1. A rectifier and detector for radio reception comprising a mass of rectifying material, a plurality of insulated wires grouped at one end to form a compact mass with a flush face and presenting a plurality of fixed contacts opposed to the mineral, and means for selectively bringing any of the wires into circuit.

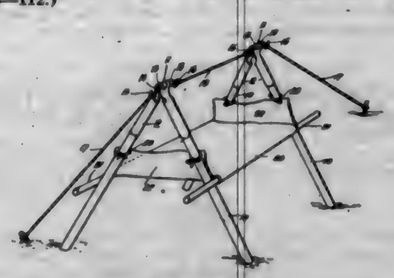
1,542,259. SEARCHLIGHT. ALFRED JOHN MACE, Chicago, Ill. Filed Jan. 11, 1924. Serial No. 685,497. 7 Claims. (Cl. 240—61.)

1. A searchlight control comprising suction actuated pistons adapted to cause movement of said searchlight about two axes and a single universally mounted operating valve handle adapted to control the movement of



said pistons singly or simultaneously according to the direction of movement of said handle.

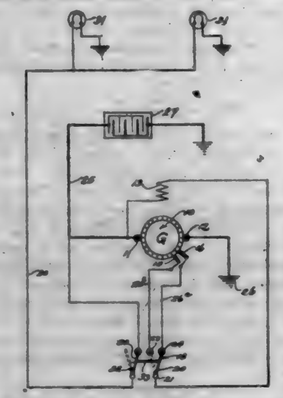
1,542,260. AUTOMATIC TIGHTENING COT OR THE LIKE. MARVIN R. MARSTON, Long Beach, Calif. Filed May 12, 1924. Serial No. 712,747. 2 Claims. (Cl. 5—112.)



1. A device of the character described comprising two pairs of legs hingedly connected together at their tops and adapted to be set on a supporting surface with the legs of each pair at an angle to each other, a tie member between the pairs of legs and braces for the legs, and a cot or like member comprising a flexible horizontal sheet and two longitudinal side poles attached thereto and bearing on the outer surfaces of the angularly braced legs; so that a weight on the sheet tending to move the sheet and poles down tends to spread the poles apart and stretch the sheet; the hinge connection between the legs of each pair comprising hinge members and a hinge pin with a hook formed at each end of the hinge pin, and the tie between the pairs of legs and the braces being attached to said hooks.

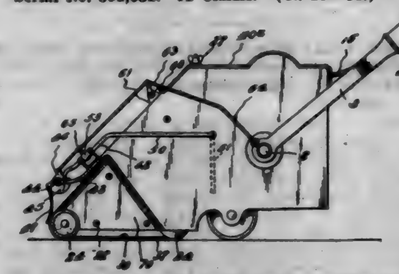
1,542,261. ELECTRIC GENERATOR CIRCUIT. JAY C. MOORE, Fredonia, Pa. Filed Oct. 10, 1923. Serial No. 667,718. 2 Claims. (Cl. 171—313.)

1. In combination with an electric system for motor vehicles including a battery circuit and a lighting circuit, a generator including a commutator and main collector brushes operatively disposed in the battery circuit, a shunt field winding circuit for the generator including a plurality of brushes operatively connected on the commutator of the generator, switch means for selectively placing any of the last mentioned brushes



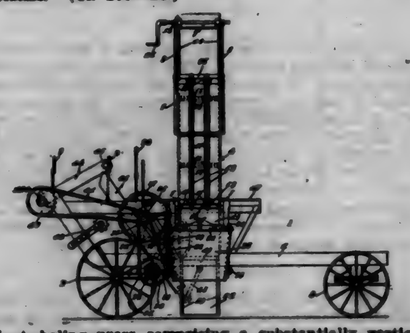
in said shunt field winding circuit, and a switch for the lighting circuit operatively connected to the first mentioned switch.

1,542,262. FLOOR-CLEANING MACHINE. JOHN B. MORTON, Jr., Charleston, W. Va. Filed Sept. 28, 1922. Serial No. 591,031. 11 Claims. (Cl. 15—51.)



1. A floor cleaner of portable type comprising carrying means, a tank carried thereby, an endless mopping cloth or belt carried by the carrying means, means to drive said cloth or belt, means to supply water from the tank to a surface to be cleaned, side wheels supporting the carrying means, and an auxiliary wheel supporting the carrying means and arranged intermediate the side wheels.

1,542,263. HAY PRESS. ORRAN C. NICKEL, Las Animas, Colo. Filed May 15, 1923. Serial No. 639,121. 2 Claims. (Cl. 100—24.)



1. A baling press comprising a substantially vertical trunk, a loop-shaped guide extended longitudinally of the trunk, and spacers movable through the trunk and slid-

able on the guide, the spacers moving upwardly through the trunk responsive to the pressure of the material in the trunk, and moving downwardly on the guide externally of the trunk, the slidable mounting of the spacers on the guide permitting the spacers to move downwardly faster than they move upwardly, thus to minimize the number of spacers required.

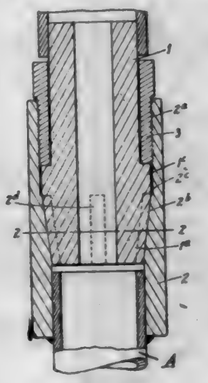
1,542,264. PROCESS OF MAKING ACIDS FROM AROMATIC HYDROCARBONS. JAMES FLACK NORRIS and EVERETT W. FULLER, Cambridge, Mass. Filed July 18, 1922. Serial No. 575,783. 22 Claims. (Cl. 260—108.)

1. In a process of making an aromatic acid, treating an aromatic hydrocarbon with phosgene and aluminum chloride, forming a large quantity of a compound of aluminum chloride and an aromatic acid chloride and a small quantity of a compound of aluminum chloride and a di-aryl ketone by conducting the reaction in the presence of a substance which dissolves the hydrocarbon and removes a large quantity of the reaction products from the sphere of reaction before secondary reaction therewith occurs.

1,542,265. PROCESS OF MAKING AMINOSALICYLIC ACID. JAMES F. NORRIS and EDMUND O. CUMMINGS, Cambridge, Mass. Filed Oct. 20, 1922. Serial No. 595,753. 14 Claims. (Cl. 260—109.)

1. In a process of preparing an amino acid from a corresponding aryl azo acid, reducing the latter by means of a $TiCl_3$ solution.

1,542,266. DRILL-ROD-JOINT CONNECTION. WILLIAM H. PALMER and EDWARD W. PALMER, San Diego, Calif. Filed June 20, 1921. Serial No. 478,939. 2 Claims. (Cl. 205—124.)



1. A drill rod connection, including a hollow exterior member provided with an interior tapered portion provided with grooves in said tapered portion, and an internal thread in one end thereof, an internal member provided with a taper conforming to the taper in said external member and provided with outwardly extending lugs adapted to fit snugly into said grooves, and provided with an outwardly extending annular flange adapted to fit snugly against the shoulder formed at the upper end of the said tapered portion and a bushing threaded on its outer side adapted to be screwed between the exterior and interior connection members and fit against said flange.

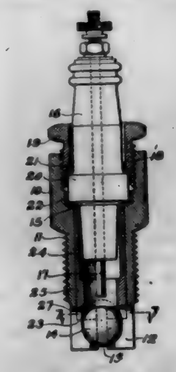
1,542,267. DEVICE FOR SUPPORTING PIPE COILS. PHILIP PARKER, Woburn, Mass. Filed Dec. 5, 1923. Serial No. 678,736. 1 Claim. (Cl. 248—34.)

A support of the class described, comprising a supporting rod, securing members removably secured to the ends of the supporting rod, tubular supporting members mounted on the rod, each of the tubular supporting members including a relatively wide flange formed adjacent to the lower end thereof, a hook member formed integral with each tubular supporting member and arranged adjacent to the upper end thereof, said hook member extending from the side of the tubular support-



ing member opposite to the side supporting the flange, each supporting member having cut out portions in its lower end, each supporting member having lugs extending upwardly from the upper end thereof, the lugs of one supporting member adapted to fit in the cut out portions of the adjacent upper tubular supporting member to lock the tubular supporting members together.

1,542,268. SPARK PLUG. CLARENCE EDWARD PARKERTON, Danbury, Conn. Filed Sept. 7, 1923. Serial No. 661,413. 2 Claims. (Cl. 123—169.)



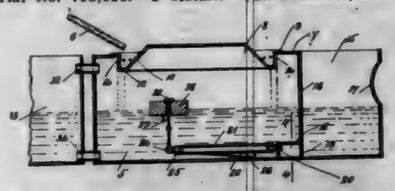
1. In a spark plug, a substantially cylindrical metallic body externally threaded to fit the spark plug opening in the cylinder and formed at its inner end with integral spaced fingers forming a ball cage, a ball movable within the cage and forming one electrode, an insulating member removably secured within the body portion and having a metallic core constituting the other electrode, said fingers being formed with internal shoulders, and a sleeve rigidly held between the insulating member and said shoulders with its inner end limiting the approach of the ball toward the other electrode, said sleeve being removable from the body portion when the insulating member is removed therefrom.

1,542,269. WINDOW-SCREEN FASTENER. SAMUEL I. PATTON, Dallas, Tex., assignor of one-third to H. J. Garrett, Dallas, Tex., and one-third to T. J. Barton, Fort Worth, Tex. Filed Mar. 13, 1924. Serial No. 699,049. 3 Claims. (Cl. 292—202.)



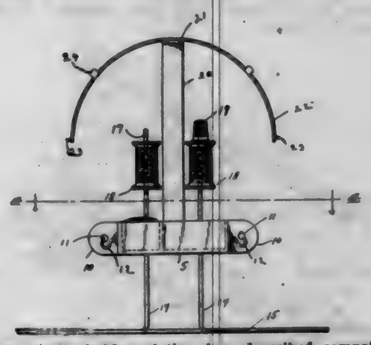
1. In a window screen latch, a rotatable latch member having a finger provided with an inclined edge and a wedge pin engaged by said inclined edge when the latch is rotated.

1,542,270. STOCK WATERER. REUBEN G. PETERSON, Wessington Springs, S. Dak. Filed June 7, 1924. Serial No. 718,611. 4 Claims. (Cl. 119—78.)



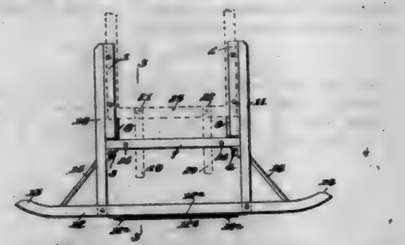
4. In a stock waterer, a supply tank, a drinking trough, an air vessel having an outlet at its lower part which communicates with the trough, two tubular stems connected to the air vessel and projecting laterally of it, two flexible pipes arranged side by side in the tank and secured to the said stems, a cross pipe connected between its ends to the two flexible pipes, inlet nozzles connected to the ends of the cross pipe, and a float in the tank for sustaining the inlet nozzles in an inclined position, said float being connected to the cross pipe between its ends.

1,542,271. ARTICLE HOLDER. CLIFFORD C. RAMSEY, Cleveland, Ohio. Filed Feb. 6, 1923. Serial No. 617,254. 2 Claims. (Cl. 45—135.)



1. An article holder of the class described comprising a horizontal frame provided with upstanding legs, a receptacle connected to and vertically adjustable upon said legs, an arm connected with said receptacle and rising vertically therefrom, and an arcuate strip connected with the upper end of said arm and overlying said receptacle.

1,542,272. AUTOMOBILE BUMPER. JUAN P. RAVELO, Habana, Cuba. Filed Nov. 24, 1923. Serial No. 676,727. 4 Claims. (Cl. 293—55.)



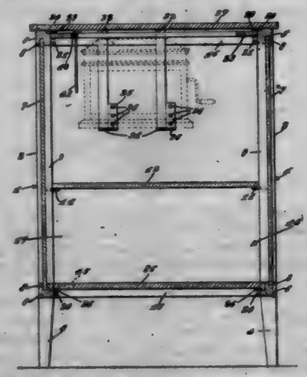
1. A bumper for use on vehicles, comprising, a transverse beam, notches provided in the transverse beam, for receiving arms of a tire carrier, a frame connected to said beam and positionable at the rear of the vehicle, and separate bumper elements connected to the frame and comprising two curved resilient members.

1,542,273. FRONT FENDER FOR AUTOMOBILES. JUAN P. RAVELO, Habana, Cuba. Filed Nov. 24, 1923. Serial No. 676,728. 2 Claims. (Cl. 293—55.)



1. A front fender for automobile vehicles, preferably of the Ford type, comprising a buffer of angular cross section, two bumper members connected to the buffer, bent ended bars connected to the buffer, attaching means to fix the bars to a vehicle, said attaching means comprising, a plate connected to each of the bars and having an opening for receiving the standard head light support rods, whereby the fender can be securely attached to a Ford type machine by means of the standard structure of the machine, and without alteration of the same.

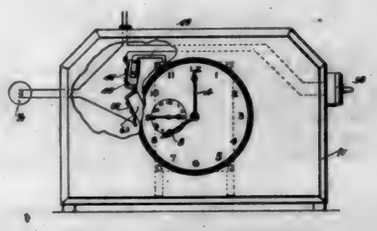
1,542,274. KNOCKDOWN CABINET. JOSEPH H. RICHARD, Minneapolis, Minn. Filed June 20, 1922. Serial No. 569,619. 1 Claim. (Cl. 45—52.)



In a device of the class described, a cabinet comprising sides, a back, detachable connections between the side and the back, a bottom, means for supporting

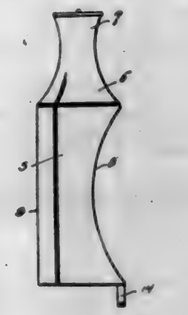
the bottom removably in the cabinet, an upwardly removably open frame seated detachably in the upper end of the cabinet, a depending hanger, and means for supporting the hanger on opposed portions of the frame for sliding movement therealong.

1,542,275. ELECTRIC ALARM CLOCK. MANUEL HENRY RODRIGUES, Honolulu, Territory of Hawaii. Filed Feb. 11, 1924. Serial No. 692,141. 4 Claims. (Cl. 58—19.)



1. In combination with a clock mechanism having a time indicating mechanism, an escapement control for the same and an alarm release associated therewith, an electric alarm device including a switch having two movable contact members, means associated with the alarm release for operating one of the contacts and means associated with the escapement control for operating the other contact.

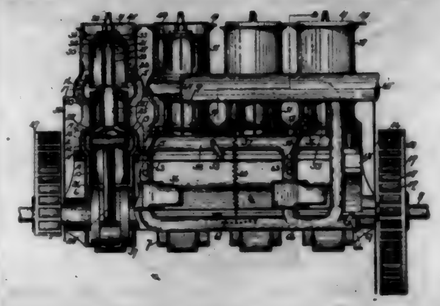
1,542,276. HOT-WATER BOTTLE. CLARENCE SMALL, Binghamton, N. Y. Filed Nov. 21, 1923. Serial No. 676,092. 1 Claim. (Cl. 128—258.)



A hot water bottle comprising a body formed of rigid material having opposite side walls, one of the side walls being concaved transversely of the body and the opposite side wall being convexed longitudinally of the body.

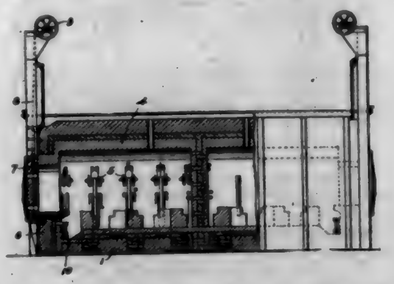
1,542,277. GAS ENGINE. IRA H. SPENCER, West Hartford, Conn. Filed Apr. 10, 1920. Serial No. 372,998. 40 Claims. (Cl. 123—73.)

1. An engine including a cylinder having an explosion chamber therein, a piston located in said cylinder with its top in said chamber at the time of explosion therein, said piston having a central chamber with ports extending therefrom for flow of fluid thereto,



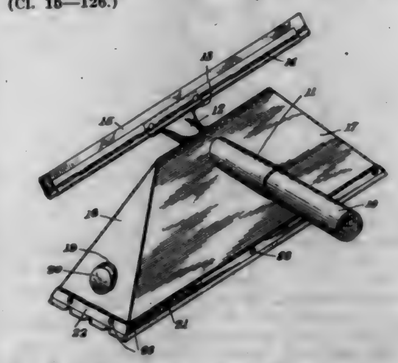
and means for conducting fluid upwardly from said central chamber when the piston is in the lower part of the cylinder.

1,542,278. ELECTRIC FURNACE. RANDAL E. TALLEY, Irwin, Pa., assignor to George J. Hagen Company, a Corporation of Pennsylvania. Filed July 19, 1923. Serial No. 652,467. 4 Claims. (Cl. 204—64.)



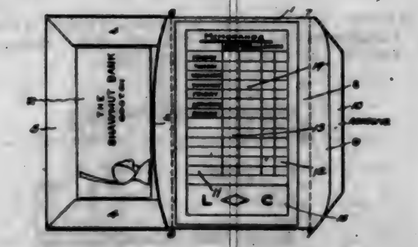
1. An electric furnace having heating elements along the walls thereof, a door and a compensating heating element so positioned as to compensate for heat lost through said door.

1,542,279. WINDOW CLEANER. WILLIAM R. TURNER, Newark, and AARON V. SNEDEKER, East Orange, N. J. Filed Mar. 14, 1924. Serial No. 699,201. 3 Claims. (Cl. 15—126.)



1. A window cleaner comprising a handle bar, a reservoir rigidly carried on said bar, said reservoir being of triangular cross section, a perforate block removably engaged in the base of said reservoir, said block having a series of longitudinal grooves in its lower surface, and a scrubbing pad of textile fabric covering the bottom and edges of said block, said pad conformably lining the mentioned grooves.

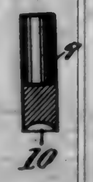
1,542,280. PAY ENVELOPE. PAUL F. WACHENHUSEN, Brighton, and FREDERICK H. WACHENHUSEN, Malden, Mass. Filed June 2, 1921. Serial No. 474,445. 2 Claims. (Cl. 283—1.)



1. A combined pay envelope and packetbook comprising a back members with a pocket on the inner face thereof, record recording spaces also on said face, the back adapted to be folded between the pocket and record spaces to constitute part of the back a flap for the envelope and packetbook, the back scored near one end and also gummed at such end to provide an adhesive flap adapted to be folded against the outside of the back and opposite the pocket when the structure is used as an envelope, the back adapted to be severed along the scored line to open the envelope and thus provide an ungummed flap for the structure when used as a packetbook with record therein of the data on which the pay was computed

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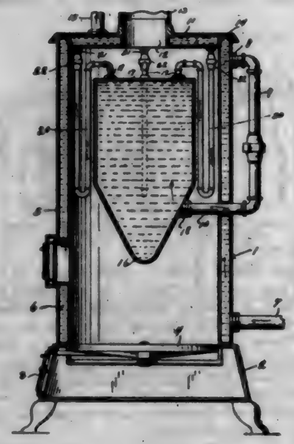
1,542,281. SQUARE-END NAIL OR STAPLE. GEORGE X. WENDLING, San Francisco, Calif. Filed May 16, 1923. Serial No. 639,868. 1 Claim. (Cl. 85—90.)



A nail for driving into wood for securing purposes comprising a head and rigid elongated shank of relatively small diameter, the lower or driving end of the shank being dished to provide a sharp peripheral cutting edge of the same circumference as the shank.

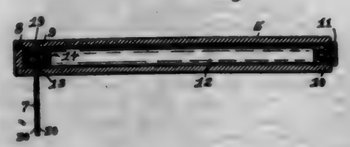
1,542,282. WATER HEATER. ELMER R. WILLIAMS, Springfield, Mo. Filed Jan. 22, 1924. Serial No. 687,798. 4 Claims. (Cl. 122—165.)

2. In a water heater, the combination of a stove having hollow walls forming a water jacket and a hollow head having a hot water outlet, a heating drum within said stove in spaced relation to the walls thereof, a conduit leading from the upper portion of said water jacket and communicating with the lower portion of said drum, and heating coils leading from the upper end of said drum



and extending downwardly and then upwardly between the drum and walls of the stove and communicating with the hollow head.

1,542,283. TOY. FRANK ZANFAGNA, Providence, R. I. Filed Jan. 14, 1925. Serial No. 2,345. 4 Claims. (Cl. 46—46.)



1. In a toy of the nature described, a handle, a water reservoir in the handle, an absorbent material in the water reservoir, a sound-box, flexible means operatively connecting the sound-box with the handle and means operatively connecting the water reservoir with the said flexible means.

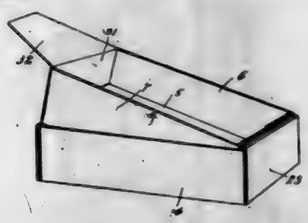
1,542,284. FAUCET. AURELIO SEVILLA BLANCO, Habana, Cuba. Filed Feb. 2, 1925. Serial No. 6,464. 3 Claims. (Cl. 251—27.)



2. A faucet comprising, a body, inlet and outlet passages in the body, an operating member in the body, a valve stem mounted in the operating member, a head on the free end of the stem, a tube sleeved on the stem and held thereon by the head and a resilient valve head slidably received on the tube and surrounding the tube, stem and stem head.

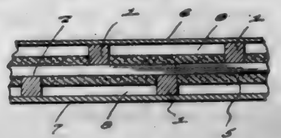
3. A valve operating member, a valve stem carried by the operating member, a head on the free end of the stem, a tube sleeved on the stem and held thereon by the head and a resilient valve head slidably received on the tube and surrounding the tube, stem and stem head.

1,542,285. DISPLAY CARTON. LEVERETT D. CAMPBELL, Latonia, Ky., assignor to The Globe Folding Box Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 5, 1921. Serial No. 519,903. 5 Claims. (Cl. 206—44.)



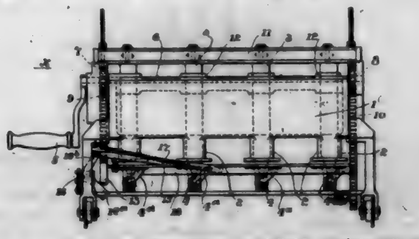
1. A carton formed from a single blank of suitable material cut and scored to form body and cover portions of bottom, sides, and ends, with said two portions integrally connected longitudinally by a strip of the material extending between the adjacent ends of the top and cover when the carton is closed and scored to permit folding with the cover and container both upright as the carton is set up, whereby the cover may enclose the container and may be removed therefrom and turned to hold the container in display position.

1,542,286. HOUSE-WALL STRUCTURE. PURVIS E. DEAN, Boyne City, Mich. Filed Oct. 15, 1924. Serial No. 743,709. 1 Claim. (Cl. 72—49.)



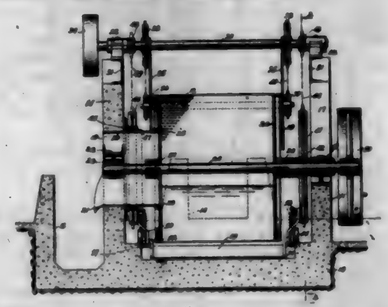
A wall structure comprising a central partition wall composed of a wooden frame work including vertical studs arranged in staggered relation on opposite sides of horizontal connecting pieces, and a concrete wall in which said frame work is embedded, the opposite sides of the concrete wall terminating in spaced relation from the outer surfaces of the vertical studs, and facing walls secured to said studding and spaced from the concrete wall to provide dead air spaces between the facing walls of the concrete wall.

1,542,287. MACHINE FOR DEPOSITING SEMIFLUID, PASTY, OR DOUGHLIKE MATERIALS.. JOHN DEMPSEY, Belfast, Ireland. Filed Feb. 19, 1924. Serial No. 693,870. 2 Claims. (Cl. 107—28.)



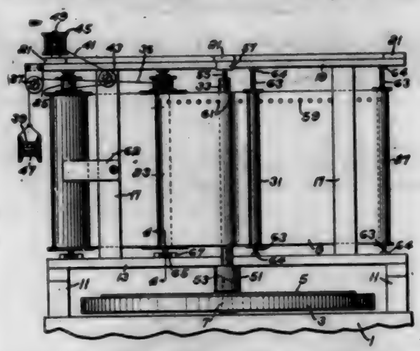
2. A machine for depositing semi-fluid, moistened or pasty material having in combination a hopper, a tube below the hopper and open to the bottom of the latter, a reciprocating plunger adapted at times to enter the tube and eject material from it, a cross-bar to which the plunger is attached, means to reciprocate the plunger comprising a reciprocating rack attached to the cross-bar a gear wheel gearing with the rack and a handle to rotate the gear wheel, a valve at the lower end of the tube, a lever for operating the valve, a projection on the lower end of the rack, a bell-crank lever pivoted to the frame of the machine and having one arm in the path of the machine and having one arm in the path of the projection, a link connected to the other arm, a reciprocating bar connected to the link and to the valve lever, and means to return the bar and link to normal position to close the valve when permitted to do so by the projection on the rack.

1,542,288. SEPARATOR. WILLIAM LIVINGSTON D'OLIER, Philadelphia, Pa. Filed Oct. 20, 1920. Serial No. 418,217. 25 Claims. (Cl. 210—201.)



1. A separator comprising a rotary screen, and a rotary scraper arranged to travel around said screen and at a different rate of speed from that of the screen.

1,542,289. PHONOGRAPH ATTACHMENT. MARION A. DOWNES, West Roxbury, Mass. Filed Mar. 9, 1923. Serial No. 623,964. 5 Claims. (Cl. 40—28.)



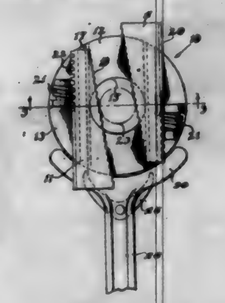
1. An attachment for a phonograph comprising a support adapted to be applied to or removed from a phonograph and having means for applying the same to the phonograph above the turn-table thereof, said support having means for holding with relation to a visible field a traveling display film bearing indications related to successive portions of the phonograph record, said holding means comprising a supply spindle and a winding spindle, the former being removable to permit the substitutions of different films severally related to different phonograph records, devices actuated by the phonograph for positively engaging successive portions of the film intermediate said spindles and maintaining a feed of the film across the field of vision at a uniform and continuous rate for a given phonograph speed, said devices comprising a spur wheel feed-controlling device cooperating with successive perforations in the film, a light and easily turned driving spindle on said support to actuate said devices, and a detachable driving connection between said driving spindle and phonograph turn-table part comprising an apertured cap adapted to set over the phonograph mandrel when the support is applied to the phonograph.

1,542,290. DEVICE FOR OPERATING THE BRAKES OF ALL THE FOUR WHEELS OF A VEHICLE. GUSTAVE DUMONT, Neuilly-sur-Seine, France. Filed Mar. 23, 1923. Serial No. 627,177. 3 Claims. (Cl. 188—106.)



1. A system for controlling the brakes of the four wheels of a vehicle, and particularly applicable to automobile vehicles, comprising, two front and two rear brake operating means, two cables, one connecting the front brake operating means and the other the rear brake operating means, two movable members, a pulley on each member, each pulley having one of the cables passing around it, a second pulley on each of the movable members, an operating member, and a third cable, connected at one end to an adjustable support, passed around each of the second pulleys and connected at the other end to the operating member.

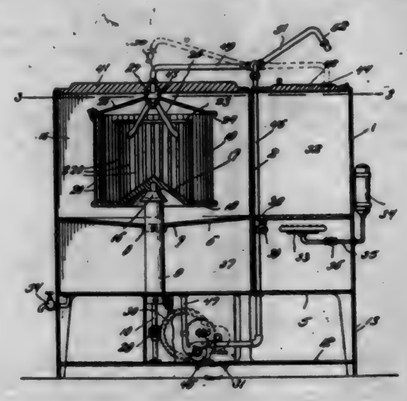
1,542,291. ADJUSTABLE WRENCH. MICHAEL J. ECONOMIDES, Brooklyn, N. Y. Filed May 7, 1924. Serial No. 711,688. 6 Claims. (Cl. 81—179.)



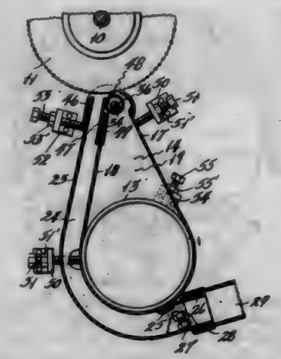
1. A wrench comprising a head provided with an axially disposed opening to receive an article to be turned, said head being formed of mating sections having their end faces meeting along a diameter of the head when in a closed position and said sections being adapted to be moved into and out of a closed position, and common means for gripping an article disposed in said opening and holding said sections in a closed position, said means overlapping both sections when in a locking position.

1,542,292. WASHING MACHINE. GUY FRANCIS EDDY, Medford, Oreg. Filed June 2, 1924. Serial No. 717,379. 5 Claims. (Cl. 68—18.)

1. A washing machine comprising a casing, a clothes receiving means supported therein, means for rotating the same, a water supply tank communicating with said casing, a supply pipe extending from said casing, a pump associated therewith, a discharge pipe extending from said pump, the upper end of said discharge pipe having a fitting mounted thereon, a lateral pipe extending from each side of said fitting, one of the lateral pipes adapted to communicate with the casing, the other lateral pipe adapted to communicate with the water supply tank.



1,542,293. AIR-BLAST FLUE AND NOZZLE FOR COTTON GINS. GEORGE E. EVANS, Waco, Tex. Filed Dec. 10, 1923. Serial No. 679,589. 10 Claims. (Cl. 19—57.)

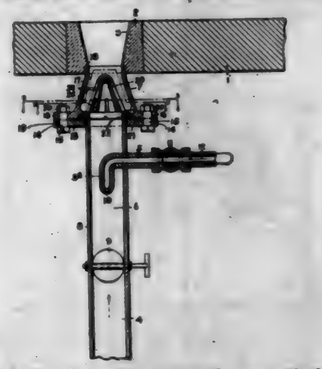


9. In a cotton gin, the combination with a saw cylinder, of an upright air flue having a nozzle at its upper end located under the saws, a lint flue contiguous to the air flue having a restricted mouth in juxtaposition to the nozzle, and under the saws, and a member adjustable in the nozzle obstructing the passage of air transversely across the saw teeth to the mouth of the air flue and for varying the opening of the nozzle and coincidently the inlet area of the lint flue.

1,542,294. BURNER. GEORGE L. FOGLER, Pittsburgh, Pa., assignor to James B. Blackburn, Pittsburgh, Pa. Filed Apr. 8, 1921. Serial No. 459,763. 6 Claims. (Cl. 158—96.)

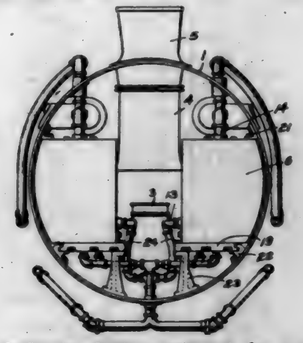
5. A burner comprising a mixing chamber, means for supplying fuel and air to the said chamber, a deflector comprising a hollow cone having its larger end in com-

munication with the said mixing chamber and having a plurality of laterally inclined slots formed lengthwise along its sides, and a sleeve surrounding the said cone



and spaced therefrom, the combined areas of the said slots being substantially equal to the area of the inlet end of the said cone and being also substantially equal to the outlet from the said sleeve.

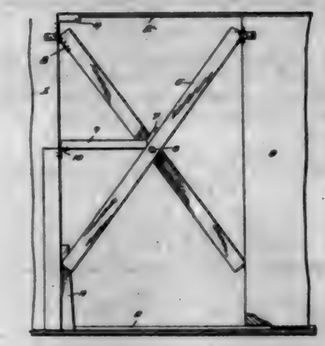
1,542,295. FEED-WATER HEATER. GUY T. FOSTER, Dayton, Ohio, assignor to Locomotive Economizer Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 31, 1922. Serial No. 533,055. 2 Claims. (Cl. 122—426.)



1. A feed-water heater equipment for a locomotive engine including in combination with a horizontally disposed cylindrical smoke-box, a smokestack rising vertically from said smoke-box at a point intermediate the length of the smoke-box, and a steam exhaust directed vertically upward diametrically through the smoke-box and into the smokestack, of twin heater halves provided with sill-plates, seats for said heater halves formed within the smoke-box, each seat including an inwardly opening horizontal slot arranged on either side adjacent the smoke-box wall and adapted to receive the sill-plates of the heater halves when thrust laterally in outward direction away from the medial vertical plane of the smoke-box, and means arranged adjacent the medial vertical plane of the smoke-box for securing to place said heater halves when so thrust outward.

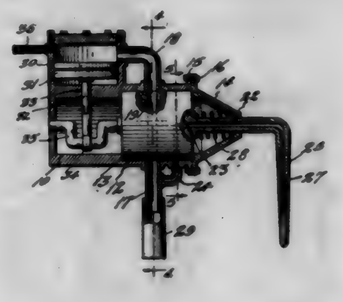
1,542,296. DOOR CARRIER. JAMES V. GIBSON, Baker, Oreg. Filed July 7, 1924. Serial No. 724,633. 3 Claims. (Cl. 20—19.)

3. In combination with a frame having a door slidably mounted therein, bars pivoted together at a point midway between their ends, hinge members connecting the upper ends of the bars with the frame and door respectively, said bars having at their lower ends bearing corners for engaging the frame and door respectively,



and means for engaging the pivoted portion of one of the bars so as to prevent said bars swinging to allow the closing of the door.

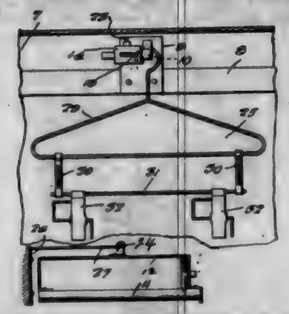
1,542,297. AUTOMATIC TRAIN-STOPPING APPARATUS. JOHN A. GRAMM, Dallas, Tex., assignor of one-eighth to A. J. Urbish, one-eighth to James P. Thomas, one-eighth to Benjamin R. Buford, and one-eighth to D. B. Mathers, all of Dallas, Tex. Filed Mar. 21, 1924. Serial No. 700,818. 3 Claims. (Cl. 246—190.)



1. In a train stopping apparatus, a housing, a valve mounted in the housing having an air passage, an air line connection with which said valve passage registers, an air conductor leading from the housing and with which said valve passage is adapted to register, the valve being normally out of registration with both the air line connection and the air conductor, a tripping arm connected with said valve and extending from the housing, a cylinder connected with the conductor, a reduced air discharge on the cylinder, a piston in the cylinder, and a connection between the piston and the valve.

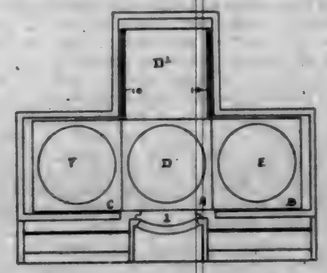
1,542,298. GARMENT-HANGER-SUPPORTING MECHANISM FOR WARDROBE TRUNKS. WADE H. HARRISON, Petersburg, Va. Filed Jan. 18, 1924. Serial No. 687,052. 3 Claims. (Cl. 211—15.)

1. In a garment hanger structure, a support, a bar projecting from said support, a second bar telescoped over the first bar, a frame attached to the second bar, a third and fourth bar extending from the support, one on each side of the frame for preventing rotation of the



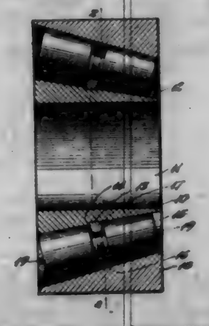
second bar in relation to the first bar, the third bar being longer than the fourth bar and provided with an extension disposed toward the fourth bar.

1,542,299. ROTARY STAGE. MAX HARAIT, Dresden, Germany, assignor to Aktiebolaget Ars, Stockholm, Sweden, a Corporation. Filed Dec. 24, 1921. Serial No. 524,635. 3 Claims. (Cl. 20—1.123.)



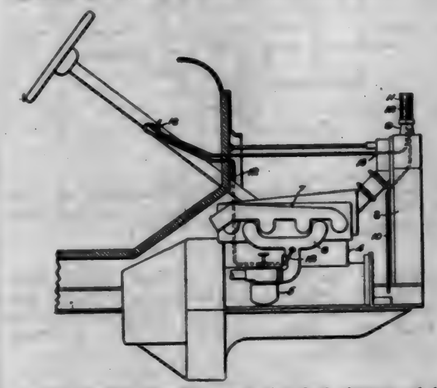
1. A stage system comprising rotary stages, means for moving said stages vertically into compartments situated above and below the normal stage floor, and means for moving the said stages in a direction parallel to the stage opening and at right angles thereto in each of said compartments.

1,542,300. ROLLER-BEARING STRUCTURE. WILLIAM F. HUTHER, Canton, Ohio. Filed Jan. 10, 1923. Serial No. 611,911. 3 Claims. (Cl. 64—62.)



1. In a roller bearing, an inner member having a frusto-conical exterior and provided with a short cylindrical portion dividing the member into minor and major frusto-conical ends, a roller retaining ring frictionally engaged on said cylindrical portion said minor end forming a guide and expanding means for the ring, said ring being a continuous unbroken annulus, rollers surrounding the inner member and engaging against the side of said retaining ring whereby longitudinal movement of said rollers is prevented, and an outer member having a frusto-conical interior surrounding said rollers.

1,542,301. VAPOR-SUPPLY APPARATUS FOR FUEL CHARGES OF INTERNAL-COMBUSTION ENGINES. PERCY L. JONES, Medford, Mass. Filed Nov. 2, 1923. Serial No. 672,314. 3 Claims. (Cl. 123—25.)



1. In a vapor supply system for fuel charges of internal combustion engines, the combination of an engine-heated water reservoir, a filling cap therefor presenting a vapor chamber above the water space and a restricted passage within said filling cap between said vapor chamber and said water space, and a vapor pipe having its inlet orifice in said vapor chamber within said filling cap above said restricted passage.

1,542,302. ADJUSTABLE CAP. ISIDOR KAPLAN, New York, N. Y. Filed Nov. 5, 1924. Serial No. 747,910. 13 Claims. (Cl. 2—197.)

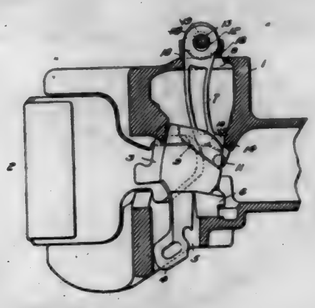


1. In an adjustable cap, a pair of strap members, one of said strap members having a series of spaced apertures near the end thereof, movable slide free of said cap and having a pair of openings therein through which the apertured strap member passes, a clasp element on said slide, and a cooperating clasp element on the other of said strap members, a portion of one of said clasp elements being adapted to pass completely through said apertures into the other of said elements for locking said slide in place.

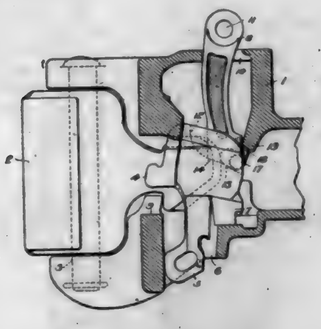
1,542,303. CAR COUPLER. WILLIAM KELSO, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 31, 1923. Serial No. 616,121. 9 Claims. (Cl. 23—127.)

8. In a coupler, the combination of a head, a lock mounted in said head, a lifter for said lock, a collar

mounted on said lifter and cooperating with said head to prevent movement of said lifter beyond a certain predetermined amount in a given direction for preventing jamming of said lifter, and an uncoupling rod forming an operative connection between said lock lifter and collar.

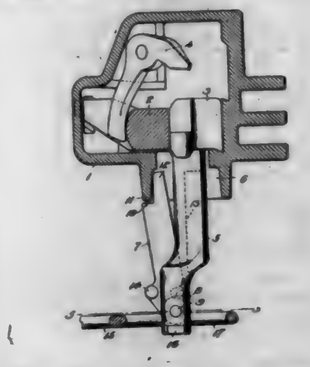


1,542,304. CAR COUPLER. WILLIAM KELSO, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Feb. 7, 1923. Serial No. 617,548. 2 Claims. (Cl. 213—127.)



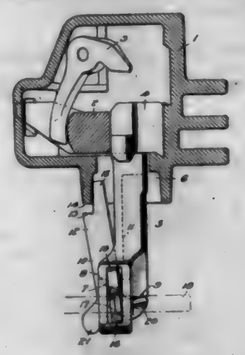
1. In a car coupler, the combination with a coupler head, of a knuckle pivotally mounted thereon, an upwardly movable and rearwardly swinging lock for said knuckle, and a lock lifter for actuating said lock, said lock being provided with an upwardly and rearwardly opening slot adapted to receive the lower end of said lifter, said lifter being formed at its lower end with a plurality of faces disposed at an angle to each other and being provided with trunnions extending into said slot and movably and detachably connecting said lifter to said lock, said slot being formed with a bottom wall comprising a plurality of faces angularly disposed with respect to each other and respectively adapted to engage the said angularly disposed faces of said lifter, one of said faces of said bottom wall being inclined downwardly toward the rear of said lock, and one of said faces of said lifter being inclined downwardly toward the rear of said lifter, said inclined faces being adapted to cooperate to enable said lifter to slide down said inclined face of said bottom wall under the influence of gravity, and the other of said faces of said bottom wall and lifter being adapted to engage each other to limit said sliding movement of said lifter with respect to said lock.

1,542,305. CAR COUPLER. WILLIAM KELSO, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 4, 1924. Serial No. 747,810. 11 Claims. (Cl. 213—146.)



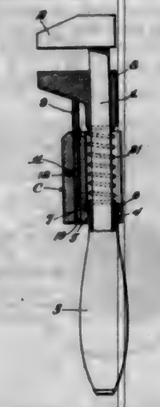
1. A car coupler having a head, a knuckle, a lock for said knuckle, a device for preventing said lock from accidentally moving to unlocked position, and means for actuating said device to permit said lock to move to unlocked position, said means being adapted to effect an unlocking movement of said lock through the intermediacy of said device and being supported by said lock when the latter is in locked position, said device being pivotally mounted on said lock beneath said head and having a shoulder adapted to engage a portion of said head to prevent accidental unlocking of said lock, and said device also being provided with a lug adapted to be engaged by said means to cause said device to execute a pivotal movement with respect to said lock, said lug serving to limit upward movement of said means with respect to said lock.

1,542,306. CAR COUPLER. WILLIAM KELSO, Pittsburgh, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Nov. 29, 1924. Serial No. 752,889. 10 Claims. (Cl. 213—146.)



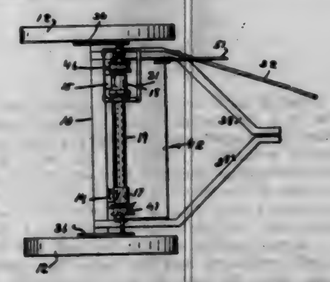
2. A car coupler having a head, a knuckle pivotally mounted thereon, a lock for said knuckle having a depending leg extending through an opening in said head, means movable with respect to said lock for preventing accidental unlocking of the latter, and an uncoupling member adapted to actuate said means and to actuate said lock through the intermediacy of said means, said leg being provided with an elongated slot, and said means being provided with a lug of greater height than width which extends into said slot and is adapted to move vertically with respect to said lock and also to oscillate angularly.

1,542,307. WRENCH. ROBERT A. KENNEDY, Lavonia, Ga. Filed Jan. 7, 1924. Serial No. 684,832. 3 Claims. (Cl. 81—150.)



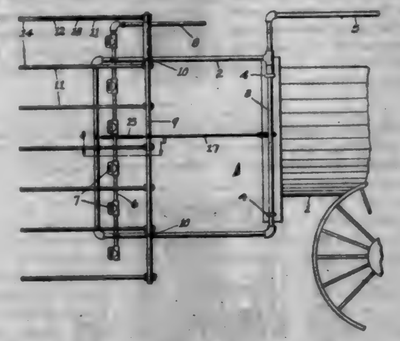
3. A wrench comprising a shank provided with a jaw, a casing substantially U-shaped in cross section having its outer end closed by a plate, said plate being provided with an opening, the shank being disposed through the casing and through the opening in the plate, a hand grasp for the shank, an end portion of said hand grasp being disposed through the opening in the plate; a washer in threaded engagement with said end portion of the hand grasp and in contact with the inner face of the plate, the inner walls of the casing being provided with a groove in which said washer is received, and a movable jaw mounted on the shank between the casing and the jaw of the shank.

1,542,308. WHEELED SCRAPER. HARRY KLINE, Kerman, Calif. Filed Feb. 20, 1924. Serial No. 693,987. 5 Claims. (Cl. 37—132.)



1. A wheeled scraper comprising an axle; wheels supporting said axle; sprockets carried by said wheels; vertically extending guide members carried by said axle interemdiate said wheels having guideways therein extending from the bottom to near the top; a scoop slidably mounted in said guideways; bearings rigidly mounted one at the upper end of each of said guide members; a hollow shaft revolubly mounted in said bearings to project beyond the outer ends thereof; a winding drum rigidly mounted upon said hollow shaft at each end thereof; cables connecting said drums and said scoop; a brake drum rigidly connected to the inner end of one of said bearings; a braking member slidably but non-revolubly mounted upon said hollow shaft adapted for engagement with said brake drum to retard rotation of said shaft; a shaft revolubly mounted within said hollow shaft and projecting beyond each end thereof; sprockets rigidly mounted upon the ends of said last shaft; chains connecting said sprockets and the sprockets of said supporting wheels, whereby when said wheels are rotated said shaft will be rotated therewith; a clutch member slidably but non-revolubly mounted at one end of said shaft; a clutch member projecting outwardly from said winding drum adapted for engagement by said first clutch member; an operating lever for said clutch members; an operating lever for said brake members; and means connecting said operating levers whereby the same are operated synchronously.

1,542,309. SPRAYING APPARATUS. LAWRENCE B. LE DUKE, Lawrence, Mich. Filed June 28, 1924. Serial No. 722,958. 9 Claims. (Cl. 299—39.)



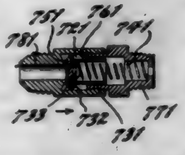
9. In a spray apparatus, the combination of a sprayer, a pivotally mounted spreader provided with a plurality of fingers, and means for yieldingly supporting said spreader with its fingers in an outwardly projecting rearwardly inclined relation relative to said sprayer.

1,542,310. ELECTRIC SNAP SWITCH. HENRY B. LEPPERT, New Britain, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed Dec. 15, 1923. Serial No. 680,841. 8 Claims. (Cl. 200—67.)



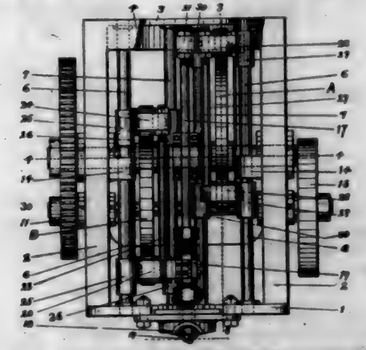
1. In a snap switch, a frame, a yoke hinged thereto and having an opening in its bottom, an operating lever hinged to said frame and having a swinging finger piece, a link having a reduced end extending into said opening to afford a loose pivotal connection with said yoke and having a sliding connection with said lever, said link having an extended head alternately engaging the opposite edges of said yoke, a spring surrounding said link, and a cupped washer slidable on said link and having a flange surrounding one end of said spring and engaged by the end of said lever.

1,542,311. LUBRICATING APPARATUS. SYLVANUS D. LOCKE, Bridgeport, and CHARLES R. DOSCH, Stratford, Conn., assignors to The Chassis Lubricator Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Feb. 28, 1922. Serial No. 540,000. 10 Claims. (Cl. 184—7.)



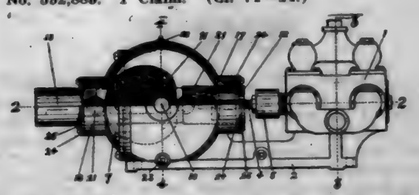
5. In a lubricating system for machine bearings, a conduit, means for increasing and decreasing pressure on the lubricant in said conduit and a measuring valve in said conduit, comprising a valve body having a chamber therein, an inlet port and an outlet port in said chamber, a member in said chamber and arranged to move between the inlet port and the outlet port and to form a poppet valve to close said ports alternately with each increase and decrease of pressure on the lubricant in the conduit, and a spring arranged to hold said member against said inlet port when the lubricant pressure is low.

1,542,312. CAM-DRIVEN PUMP. SAMUEL W. LUITWIELER, Rochester, N. Y. Filed Sept. 27, 1922. Serial No. 590,858. 9 Claims. (Cl. 74—14.)



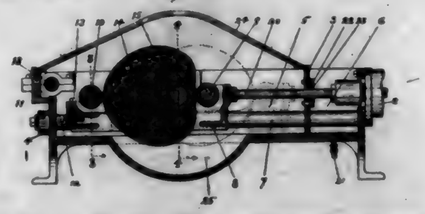
1. In a pump, the combination with a cam-shaft and cam fixed thereon, of a cam frame including upper and lower cross-heads carrying rollers engaging the cam at opposite points of its periphery, a front guide-rod disposed at one side of said cam, a rear guide-rod disposed at the opposite side of the cam, and guide loops carried by said cross-heads and travelling on the guide-rods.

1,542,313. CAM-DRIVEN PUMP. SAMUEL W. LUITWIELER, Rochester, N. Y. Filed Oct. 6, 1922. Serial No. 592,889. 1 Claim. (Cl. 74—14.)



The combination with a cam housing having collars at its opposite ends affording relatively large circular openings constituting guideways, of a cam rotatable in the housing, a cylindrical one-piece cam-actuated member including relatively large cylindrical end portions which are hollow and travel in the aforesaid guideways, a piston rod connected to one of said end portions, a stuffing box surrounding said piston rod and adapted to be received by the adjacent hollow end portion as the latter moves toward the stuffing box, a cam shaft on which the cam is fixed, the cam-actuated member also including a cylindrical central portion formed integral with said end portions and slotted in right-angled planes to receive the cam and cam shaft respectively, the cam-actuated member having cylindrical transverse openings extending parallel to the cam shaft, and rollers journalled in said openings and engaging opposite points of the cam.

1,542,314. CAM-DRIVEN PUMP. SAMUEL W. LUITWIELER, Rochester, N. Y. Filed Jan. 11, 1923. Serial No. 612,088. 4 Claims. (Cl. 74—14.)



1. The combination with a reciprocating pump element and a frame connected thereto, of a cam, rollers mounted on the frame and engaging the periphery of the cam at opposite points, one of said rollers being supported in a plate carried by the frame, and means for adjusting the plate on the frame so as to bring the roller into contact with the periphery of the cam.

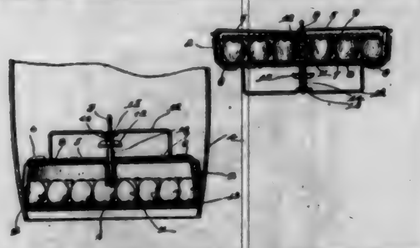
1,542,315. PRINTING-PLATE CLAMPING DEVICE. ELMER F. NOELL, Cincinnati, Ohio, assignor to The Printing Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 26, 1925. Serial No. 4,743. 3 Claims. (Cl. 101—385.)



1. A printing plate clamp device, adapted for use in apertures in a base block having shoulders formed in the bottom of the apertures comprising a body having a jaw thereon, a member pivoted on the body, so as to swing into substantial alignment therewith thereby permitting insertion of the entire device in the aperture, said member having a projection at the lower end thereof for engagement with the shoulder in the base of the aperture, and means movable through the body and engaging the pivoted member to rock the same into position of engagement with the wall of the hole, thereby moving the projection into position beneath said shoulder by the tilting of the body.

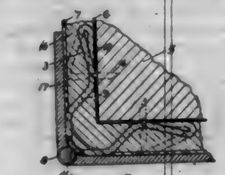
1,542,316. RECEPTACLE FACER. ARTHUR H. PHILLIPS, Hulberton, N. Y. Filed May 23, 1924. Serial No. 715,479. 9 Claims. (Cl. 225—17.)

1. The combination with a facing receptacle having a bottom wall and a surrounding side wall, of a cover for said facing receptacle formed with material adapted to support articles in the facing receptacle when the latter is inverted, and means for holding said cover in place, said means being mounted on the facing receptacle and being movable thereon to free the receptacle when



the facing receptacle is placed in an inverted position within the container so that the cover may remain in the container when the facing receptacle is withdrawn.

1,542,317. CORNER BEAD. FRED E. PLANETT, Oakland, Calif., assignor to Planett Manufacturing Company, Oakland, Calif., a Corporation of California. Filed Apr. 30, 1924. Serial No. 709,090. 3 Claims. (Cl. 72—121.)



1. A corner bead for plastered walls comprising a stiff longitudinal rod having wire staples integrally secured thereto at spaced intervals and in alignment, the extremeties of each staple being recurved to form driving prongs, and said staples provided with shoulders adjacent said prongs for spacing purposes.

1,542,318. MAKE-UP MIRROR. GORDON B. POLLOCK, Hollywood, Calif. Filed Sept. 19, 1921. Serial No. 501,720. 4 Claims. (Cl. 88—1.)



1. A mirror for the purpose of showing a reflected image of an object as the object will appear in a photograph, that includes a reflective surface, and light selective means associated with the reflective surface, said means selecting light so that the light reflected is characterized by a relative predominance of actinic rays.

1,542,319. ROTARY JAR. ROBERT MCDONALD PYLES, Long Beach, Calif. Filed Dec. 10, 1920, Serial No. 429,635. Renewed Nov. 11, 1924. 1 Claim. (Cl. 255—27.)



A rotary jar comprising a tubular drive section, and a tubular driven section telescopically united for relative longitudinal movement, an abutment on one section having opposite clutch surfaces, opposed abutments on the other section having clutch surfaces for alternate cooperation with the clutch surfaces of said first named abutment, said opposed abutments being relatively spaced to permit longitudinal sliding of one section upon the other to forcefully dash the cooperating clutch surfaces together on opposite strokes of the drive section and the cooperating clutch surfaces being formed to intermesh to establish rotary connection of the two sections at opposite ends of the longitudinal stroke of the drive section.

1,542,320. GARMENT HANGER. WILLIAM REID, Philadelphia, Pa. Filed Feb. 9, 1924. Serial No. 691,573. 1 Claim. (Cl. 211—13.)

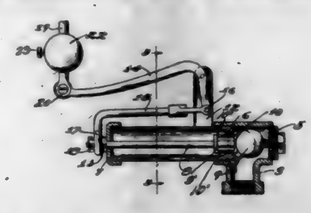


A garment hanger constructed from a single strand of wire, said wire formed into a suspension hook at one end, then straightened out to a point at one side of the hook, thence returning at a slight inclination to a central point below the hook to form one half of a skirt or trouser supporting horisontal cross bar, then twisted vertically downward for a short distance and thereafter bent into an elongated loop to form one half of a coat supporting portion, the return of said loop being extended beyond the central twisted portion and a second elongated loop formed therein to provide the other half of the coat support, the wire being thereafter again involved in the twisted portion, and the end finally bent laterally from the twist to form the complemental arm of the trouser or skirt supporting bar.

1,542,321. CLOSET-TANK VALVE. JOHN RENNER, Madison, Nebr. Filed Apr. 11, 1923. Serial No. 631,470. 1 Claim. (Cl. 137—104.)

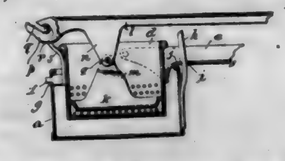
A device of the character described comprising a horizontal tubular casing having a valve seat at one end thereof, an inlet pipe connected to said casing at the

end having said valve seat, a valve stem slidably mounted in said casing, a valve carried by said valve stem adapted to engage said valve seat, a support extending upwardly from said tubular casing, an L-shaped lever pivotally connected intermediate its ends to said support, a float



connected to one end of said L-shaped arm, and an L-shaped link having one end thereof connected to one end of said L-shaped arm while the opposite end thereof is detachably connected to the end of said valve stem opposite to that carrying said valve seat.

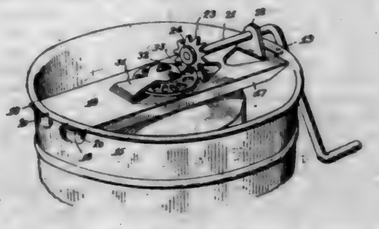
1,542,322. COMBINATION FRUIT PRESS, POTATO MASHER, AND STRAINER. MICHAEL A. ROLLMAN, Mount Joy, Pa. Filed Sept. 23, 1920, Serial No. 412,143. Renewed Dec. 10, 1924. 7 Claims. (Cl. 100—41.)



1. As a new article of manufacture, a culinary utensil combining in one a fruit press, potato ricer and strainer embodying a two-part handle, a perforated hopper, and an imperforate detachable cup having a bearing on the lower member of said handle.

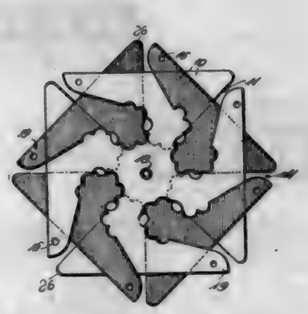
5. A utensil combining a main cup, a hopper detachably supported therein and provided with strainer openings and with a handle, means for supporting and latching the hopper within the cup, said means embodying a latch at the front end of the cup, a pair of supporting pins attached to the rear end of the hopper and adapted to engage holes in the wall of the cup, and a plunger and lever mounted on the hopper and detachable therefrom.

1,542,323. ICE-CREAM FREEZER. MICHAEL A. ROLLMAN, Mount Joy, Pa. Filed Oct. 6, 1922. Serial No. 592,811. 7 Claims. (Cl. 259—88.)



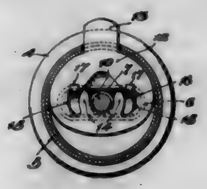
2. In an ice cream freezer, a bridge, a driven gear resting thereon, a driving shaft carrying a driving gear meshing with said driven gear and provided with an annular hub, and a guard or shield for holding the driven gear in place carried by the bridge and extending over the driven gear and engaging under the annular face of said hub.

1,542,324. WIND WHEEL AND METHOD OF MAKING. ANOUSH M. SAMOUR, Boston, Mass. Filed Jan. 24, 1925. Serial No. 4,538. 2 Claims. (Cl. 46—14.)



1. The method of making a wind wheel consisting in stamping identical units corresponding generally to a square with openings extending inwardly from the corners toward the center and diverging and merging into a scalloped inner enlarged opening, two of said units being connected together at their centers by an eyelet and given an eighth of a turn with the cut out portions of each interwoven with the other, turning in the uppermost ends of the interwoven blanks and connecting said inturned ends by a fastening member inserted therethrough and through the center eyelet.

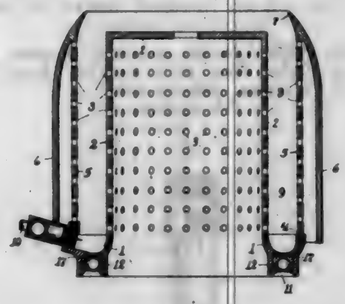
1,542,325. CUFF BUTTON. LESSER SAMUELS, New York, N. Y. Filed July 24, 1924. Serial No. 727,905. 9 Claims. (Cl. 24—110.)



1. In a cuff button, a male member having connected inner and outer heads, a stud carried by the inner head and having a circular part and a head spaced therefrom, a female member having an inner and an outer head and a hollow shank connecting the latter heads, the inner head of the female member having an opening in its outer face to receive said circular part of the stud, a latch plate slidable in the head of the female member and having opposed arms to embrace the stud and to engage between the head and said circular part thereof, said latch plate having a single operating part projecting outwardly beyond the inner head of the female member and a substantially U-shaped plate spring in the hollow shank of the female member having fingers engaged with the latch plate to normally hold the arms of the latch plate in latching engagement with the stud.

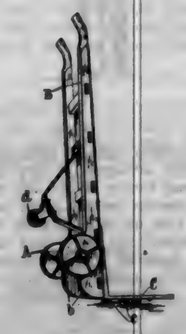
1,542,326. OIL BURNER. GEORGE SAWYER, Atlantic, Mass. Filed Dec. 3, 1923. Serial No. 678,137. 1 Claim. (Cl. 158—81.)

A burner comprising a shallow moat for receiving the fuel to be consumed, said moat having a concave bottom made very thin at its lowermost section, and an electrically heated helix supported close to said thin section



but beneath the same and insulated electrically therefrom, whereby the oil fed into said moat is ignited along said concave thin section of the same.

1,542,327. HAND TRUCK. HARRY C. SLINGSBY, London, England. Filed June 14, 1924. Serial No. 719,980. 1 Claim. (Cl. 280—56.)

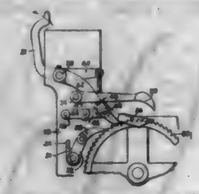


The combination in a two-wheeled hand truck of a pair of shafts formed with rounded ends on which the truck can be rocked in a vertical plane when the shafts are raised into an approximately vertical position, a wheel mounted on each shaft at such a distance from its rounded end that the said wheels are clear of the ground when the shafts have been raised to bring the said rounded ends to bear upon the ground, a lifting plate rigidly mounted on said rounded ends and projecting at right angles to the shafts, and a rolling support mounted on the under side of said lifting plate at a point some distance from the rounded ends of said shafts and adapted to roll on the ground when the shafts are raised into a vertical position and also to form a fulcrum in tilting the truck to raise a load under which the lifting plate has been introduced.

1,542,328. LET-BACK FOR LOOM TAKE-UPS. WALTER H. WAKEFIELD, Worcester, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass., a Corporation of Massachusetts. Filed Oct. 4, 1923. Serial No. 666,594. 2 Claims. (Cl. 139—314.)

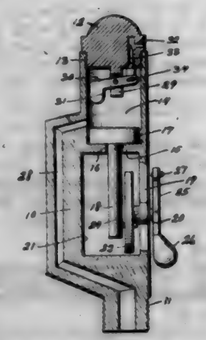
1. In a take-up for looms having a filling stop motion, a reciprocating take-up actuating pawl, a cam normally

out of the path of the pawl, a toggle joint interposed between the cam and a fixed point on the loom, and con-



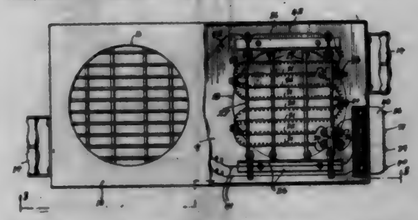
nections between the stop motion and the toggle to move said cam into the path of the pawl when the stop motion operates.

1,542,329. SELF-CLOSING BLEED COCK FOR AIR BRAKES. ROSS G. YOUNT, Calwa City, Calif. Filed Sept. 2, 1924. Serial No. 735,453. 6 Claims. (Cl. 303—80.)



1. A bleed cock of the character described including a body having a chamber formed therein, there being a duct leading from the interior of the chamber to one end of the body, a valve disposed in said chamber, the chamber having an outlet opening, means normally closing said outlet opening, manually operable means for lifting the valve, said manually operable means automatically returning to its normal position without affecting the lifted valve, and means acted upon by the lifting of the valve permitting the escape of air through said outlet opening and acting upon the descent of the valve to close said outlet opening.

1,542,330. ELECTRIC HEATER AND STOVE. HENRY PRICE BALL, New York, N. Y., assignor to Redtop Electric Co., Inc., New York, N. Y., a Corporation of New York. Filed Apr. 3, 1922. Serial No. 549,018. 7 Claims. (Cl. 219—19.)



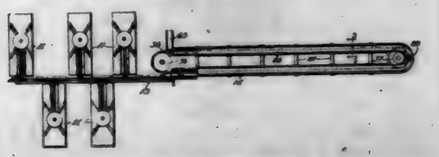
1. An electrical stove and heater comprising a frame, a plate provided with an opening disposed in the frame, an electrical heating unit mounted on the frame above the opening in the aforesaid plate, an oven plate disposed beneath the aforesaid plate, and a heat-deflecting cap arranged to uncover the opening whereby heat is radiated downwardly upon the oven plate.

1,542,331. BOOT-SOCK GARTER. CHARLES E. BROCKWAY, Grundy Center, Iowa. Filed May 14, 1924. Serial No. 713,302. 4 Claims. (Cl. 36—58.5.)



1. In a device of the class described, the combination of a boot sock, an attaching strip provided with a broad center and reduced ends attached to the heel portion of the boot sock, and a garter device connected to the reduced ends of the attaching strip.

1,542,332. DRIER. HARVEY L. BRYANT, Newark, N. J., assignor to American Can Company, New York, N. Y., a Corporation of New Jersey. Filed Aug. 8, 1921. Serial No. 490,516. 17 Claims. (Cl. 34—12.)



1. An apparatus for drying gasket lined can covers, comprising a drying chamber, guideways in said chamber for a plurality of superimposed covers and single conveyor means for moving said covers through said guideways.

1,542,333. FOUNTAIN MARKING BRUSH. EMIL C. BUEHRER, Oakland, Calif. Filed July 23, 1923. Serial No. 653,387. 2 Claims. (Cl. 15—134.)



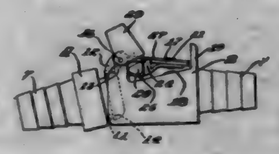
1. In a fountain marking brush, an ink reservoir, a tubular nozzle at one end, a capillary marking point extending from and projecting through said tubular nozzle into the reservoir, and a plurality of ink feeding grooves in the nozzle extending from the ink reservoir along side of the marking point and terminating before the extreme outer end of the nozzle.

1,542,334. PUMP LINING. LYELL P. BURGESS, Los Angeles, Calif. Filed Sept. 2, 1924. Serial No 735,300. 7 Claims. (Cl. 74—108.)



1. A liner for pump barrels comprising a plurality of tubular sections arranged in end to end relation, one of the sections having a flat end face, the opposing end of the adjacent section being beveled from the outer peripheral face of said adjacent section towards the end face thereof, the bevel and last named end face meeting to form an angular, annular edge, said edge being sufficiently spaced from the outer peripheral face of the liner to insure its complete seating on said flat face.

1,542,335. HOSE COUPLING. EMILIO CARDARELLI, Boston, Mass., assignor of one-third to Nicola Petitti, Boston, Mass. Filed Jan. 4, 1923. Serial No. 610,691. 9 Claims. (Cl. 285—188.)



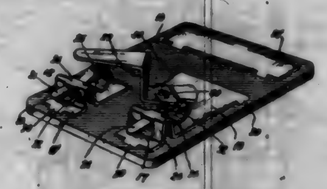
1. A hose coupling comprising mating parts, a lever connected to one part movable to engage the other part to force the parts into fluid tight relationship, and cam means connected to said lever and movable in a plane transverse to the plane of the movement of said lever for forcing the lever into operative retaining position.

1,542,336. WRENCH. AUGUST EDWIN CARLBERG, Worcester, Mass., assignor, by mesne assignments, to Walden-Worcester, Incorporated, Worcester, Mass., a Corporation of Massachusetts. Filed Jan. 23, 1922. Serial No. 531,010. 8 Claims. (Cl. 81—121.)



1. In combination, a socket, a shank, the entire shank forming a straight line, an integral projection extending at an angle from said straight shank, said socket being pivoted on said projection and being free to turn in a plane parallel to the axis of said shank.

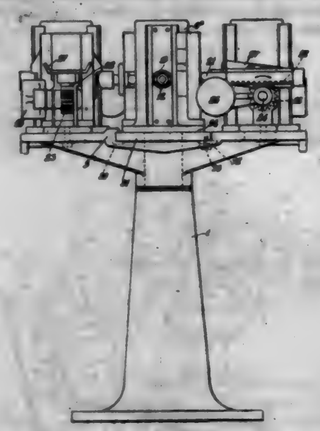
1,542,337. ELECTRICAL CONNECTER FOR TOY TRAIN TRACKS. LOUIS CARUSO, Irvington, N. J., assignor to The Lionel Corporation, a Corporation of New York. Filed Mar. 23, 1923. Serial No. 627,021. 5 Claims. (Cl. 191—22.)



1. The combination with a main rail and a third rail, of a binding connection comprising a piece of insulated material constructed to extend beneath the rails, a metallic anchor clip carried by the insulated piece for engagement directly with one of the rails, a line wire connecter secured to the said piece including an element electrically connected with said anchor clip, and means pivotally mounted on said piece adjacent to and cooperating with the other rail for positively locking the binding connecter to the rails.

1,542,338. APPLICATION OF BABBITT AND LINING METALS TO THE SURFACE OF RAILROAD AND OTHER JOURNAL BEARINGS. GILBERT R. COLEMAN, Jersey City, N. J., assignor of one-half to Thomas F. Kent, New York, N. Y. Filed July 27, 1923. Serial No. 654,073. 10 Claims. (Cl. 23—77.)

3. In an apparatus of the character described, a mandrel, side pieces coacting with said mandrel, a bar extending through said mandrel and attached to said side pieces, a screw member connecting said mandrel



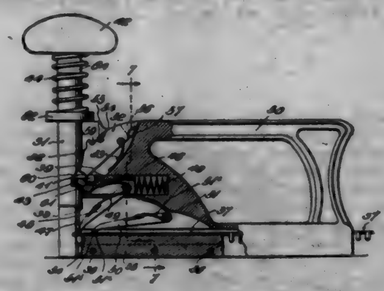
and said bar, and means maintaining said side pieces in engagement with said mandrel.

1,542,339. TIMBER CLAMP. PATRICK R. COLEMAN, Providence, R. I. Filed Apr. 25, 1924. Serial No. 709,056. 9 Claims. (Cl. 304—40.)



1. A timber clamp comprising a substantially U shaped member and a locking plate, the U shaped member having its ends bent downwardly and lying at such an angle thereto as to present an inclined face along which the edge of the locking plate is slidable.

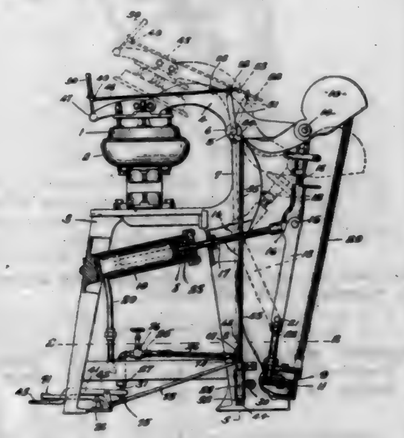
1,542,340. STAPLING MACHINE. JOHN B. CROFOOT, Chicago, Ill. Filed Feb. 18, 1924. Serial No. 693,612. 5 Claims. (Cl. 1—2.3.)



1. In a stapling machine, a frame, a plunger mounted to reciprocate in the frame, a feeding mechanism mounted to reciprocate in the frame and at its forward position to interlock with the plunger, and a latch inserted into the frame normally inactive but positioned to engage the plunger when released by the inaction of the feeding mechanism and adapted for swinging movement

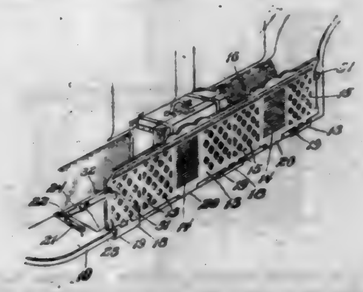
to another position to release the feeding mechanism from locking engagement with the plunger and for further movement to a position to release the feeding mechanism from the frame.

1,542,341. PRESSING MACHINE. OSCAR ROBERT DECKERT, Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Filed Apr. 8, 1920. Serial No. 370,960. 16 Claims. (Cl. 68—9.)



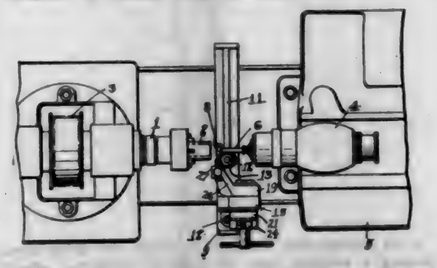
6. In a pressing machine, a movable presser element mounted to have movements toward pressing position and into pressing position, an actuator for effecting the movement into pressing position, and mechanism for controlling the operation of said actuator and preventing the operation thereof until the pressing element is first moved toward pressing position, said mechanism including two movable parts connected together by a lost motion connection, one of said parts being arranged to take up the lost motion during the movement of the presser element toward pressing position, and a stop device located to normally prevent operative movement of said part to take up the lost motion when the presser element is up, substantially as and for the purpose set forth.

1,542,342. LUGGAGE CARRIER. PAUL DOCTOR, Denver, Colo. Filed May 20, 1924. Serial No. 714,650. 2 Claims. (Cl. 224—29.)



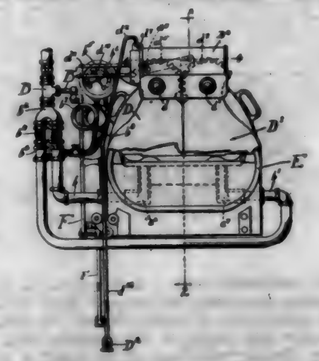
1. In a running board luggage carrier for vehicles, a plate of the same width as the running board adapted to be permanently pivotally connected to the outer longitudinal edge of the running board and swingable about the pivots thereof to a position flatly engaging the upper surface of the running board or to a position vertically aligned with the edge of the running board to which it is attached, means for locking the plate in either of said positions, comprising a link pivoted to the plate, a link pivoted to the running board and pivotally connected with the first named link, the adjacent ends of said links having overlapped portions, and a latch pivoted to one of said links and having arms positionable to engage the other of said links to maintain the links in alignment one with the other.

1,542,343. GRINDING-WHEEL DRESSER. ALDEN M. DRAKE, Worcester, Mass., assignor to The Heald Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed July 31, 1922. Serial No. 578,664. 3 Claims. (Cl. 125—11.)



1. In a grinding machine, a rotating grinding wheel, a bridge and a wheel dressing member adapted to be rendered inoperative by movement about a fixed axis provided by said bridge and extending substantially at right angles to the axis of rotation of said wheel.

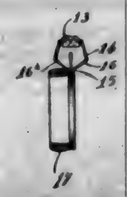
1,542,344. LOCOMOTIVE STOKER. WILLIAM T. HANNA, Cincinnati, Ohio. Filed Apr. 28, 1920. Serial No. 377,336. 7 Claims. (Cl. 110—104.)



1. In combination with a furnace having a fuel feed opening, an ejector located at the fuel feed opening, a furnace door adapted to open and close the fuel feed opening, means for simultaneously operating the door and admitting fluid to the ejector, means for directing fuel in front of the ejector, and a regulated means comprising a by-pass for admitting a constant flow of fluid to the ejector.

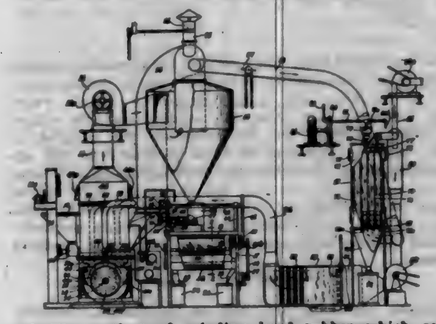
1,542,345. FINGER RING. DAVID G. HAY, Chicago, Ill. Filed Sept. 21, 1922. Serial No. 589,574. 1 Claim. (Cl. 63—17.)

A ring comprising a complete annular shank of the same cross-sectional size and shape throughout and having side surfaces lying in parallel planes, and a crown setting permanently secured only at a portion of the outer curved peripheral surface of the annulus, and having the bottom portions of said crown setting projecting outwardly and away from a central axis



through said annulus in opposite directions beyond the side surfaces of the shank to permit the abutment of a plain band ring against either side of the shank throughout its entire surface.

1,542,346. METHOD AND APPARATUS FOR GRINDING HARD RUBBER. WILLIAM C. HOOVER and AMBROSE DWYER, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Sept. 19, 1923. Serial No. 663,586. 26 Claims. (Cl. 18—52.)



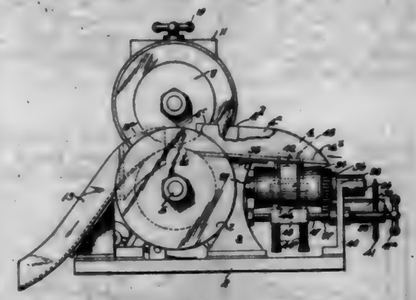
8. The method of grinding hard rubber which comprises submitting it to a crushing action in an inert fluid medium at an elevated temperature such as to facilitate the grinding of the rubber, and separating the ground particles from said fluid medium.

1,542,347. EGG-WASHING MACHINE. CHARLES McCULLOUGH, San Francisco, Calif. Filed Jan. 8, 1923. Serial No. 611,471. 14 Claims. (Cl. 146—198.)



8. An egg washing machine comprising a tank, means for holding a number of eggs arranged in a common plane in the tank, a brushing device adapted to sweep against the eggs in the holding means, a reciprocable carriage to which the brushing device is secured, said carriage being provided with a smooth upper surface having a transverse groove adjacent one end thereof, a pitman and a cross bar on the pitman adapted in one position of the carriage to engage in the groove and reciprocate the carriage and in another position of the carriage and in another position of the carriage to slide over the smooth surface of the carriage without reciprocating the carriage.

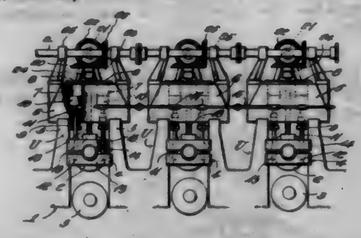
1,542,348. MOLDING MACHINE FOR SHAPING PLASTIC MATERIAL. JOHN S. OSTROM, San Francisco, Calif., assignor to Henry Rhine & Company, San Francisco, Calif., a Firm composed of Henry Rhine and Herman Moss. Filed Sept. 22, 1921. Serial No. 502,332. 5 Claims. (Cl. 107—12.)



1. In a machine for shaping plastic material, a pair of rollers arranged on paralell axes, means for varying the opening between the rollers, a stationary guide leading to the opening, and a wall section for the guide arranged at the side thereof and adjacent the end of the rollers, said section being mechanically connected to the varying means, whereby the position of the wall section is adjusted simultaneously with the opening.

5. In a machine for shaping plastic material, a stationary roller, a parallel adjustable roller forming with the stationary roller an adjustable opening, an overhanging flange on the adjustable roller in proximity to the edge of the stationary roller, an adjustable bearing block for supporting the adjustable roller, and a chute forming a guide to the opening, said chute having an adjustable side wall in substantially the same plane as the overhanging flange and mechanically connected to the bearing block.

1,542,349. ROLLING MILL. ALBERT VERNON RIGBY, Sharon, Pa., assignor to Thos. H. Armstrong, Farrell, Pa. Filed Aug. 2, 1923. Serial No. 655,316. 4 Claims. (Cl. 80—58.)

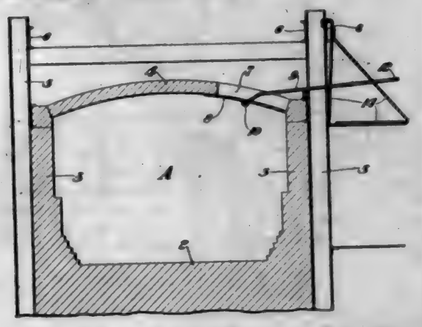


4. A rolling mill comprising a roll, bearings supporting the ends of said roll and divided horizontally into upper and lower sections, said upper and lower sections having vertically alined openings at opposite sides of the roll axis, a pair of upright piston rods at each end of the roll, said rods passing slidably through the openings of the upper bearing sections and being secured in the openings of the lower bearing sections, fluid pressure cylinders and pistons associated with the upper ends of said rods for raising them, and hold-down means engaging the upper sections of the bearings to normally hold them in operative relation with the lower sections of said bearings and to depress the bearings and roll, said hold-down means being vertically movable, and when raised permitting upward sliding of the upper bearing sections away from the roll and the lower bearing sections.

1,542,350. PROCESS OF TREATING TITANIFEROUS IRON ORES AND THE PRODUCTS THEREOF. CARL RAYMOND WHITTEMORE, Montreal, Quebec, Canada, assignor to John Irwin and Reginald Hill Monk, both of Montreal, Canada. Filed July 28, 1924. Serial No. 728,711. 8 Claims. (Cl. 75—18.)

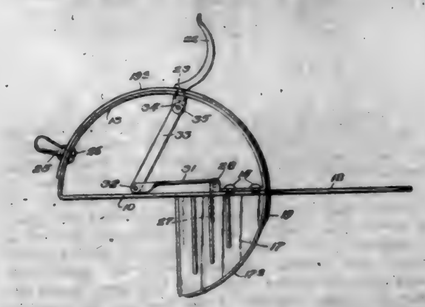
1. The process of treating titaniferous ore containing iron, consisting of reducing the comminuted ore to convert the iron into sponge, but without fusion or sintering, leaching the reduced ore with sufficient solvent to dissolve the iron.

1,542,351. METHOD OF REPAIRING FURNACE ROOFS. JAMES M. ANDREW, Farrell, and RALPH T. HADLEY, Sharon, Pa. Filed Sept. 17, 1923. Serial No. 663,153. 5 Claims. (Cl. 72—55.)



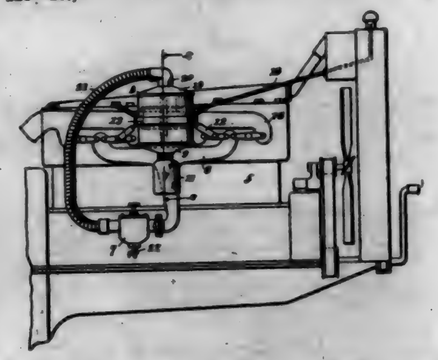
1. The method of repairing holes in open-hearth furnace roofs and the like, which are composed of a series of bricks or blocks and are self supporting, which consists in mounting an elongated brick supporting plate within the furnace, applying force to the plate to raise and hold said plate in position to engage the bottom face of the bricks used in repairing the roof, placing a series of bricks on said plate in the usual manner of laying up bricks, until a row of bricks are laid completely across the hole to be repaired when said row of bricks will be self supporting, and then advancing said plate to receive the next adjacent row of bricks, and repeating the operation for each successive row of bricks.

1,542,352. GRAPEFRUIT-PREPARING DEVICE. FLOYD H. ANKENY, Chicago, Ill. Filed Nov. 28, 1924. Serial No. 752,635. 10 Claims. (Cl. 146—3.)



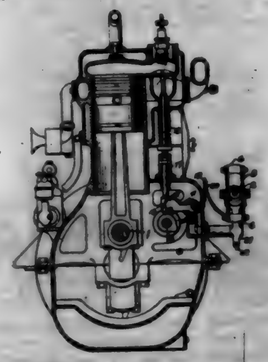
1. A device of the character set forth, comprising a pair of converging blades with their outer edges curved for severing a pulp segment from adjacent partitions of the fruit, and a blade for severing the pulp segment at the rind curved to generally conform to the curvature of the outer edges of said converging blades, with its side edges converging in general conformance to the convergence of the outer edges of said converging blades, said converging blades and said second-named blade being relatively movable.

1,542,353. INTERNAL-COMBUSTION-ENGINE ATTACHMENT. JAMES R. ASH, Guys Mills, Pa. Filed Apr. 3, 1923. Serial No. 629,629. 2 Claims. (Cl. 123—25.)



1. An attachment for internal combustion engines comprising a receptacle provided with a threaded collar at its lower end, a jar adapted to contain water and having its neck threadedly engaged with the collar, a conduit leading into the receptacle and adapted to have one end arranged in close proximity to the exhaust manifold of an internal combustion engine whereby to conduct hot air into the receptacle and vaporize water contained in the jar, and an outlet leading from the receptacle and adapted to be arranged in communication with a carburetor to supply vaporized products thereto.

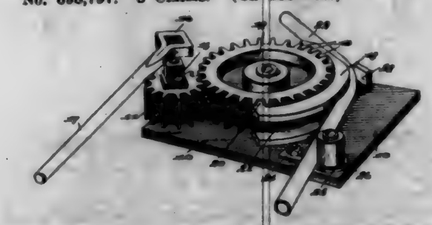
1,542,354. POWER CONTROL IN INTERNAL-COMBUSTION MOTORS. BUNZO ATSUMI, Tokyo, Japan. Filed Mar. 25, 1921. Serial No. 455,544. 2 Claims. (Cl. 123—90.)



2. In an engine of the character described, a crank case, a push rod, a cam cooperative therewith, a counter shaft having thrust transmitting members thereon interposed between the cam and push rod movable with the latter, and variable in position relatively by rotation of the counter shaft, a worm gear thereon, all the foregoing within the crank case, a control shaft at right angles to the counter shaft having a worm sector thereon meshed with the worm gear and being extended without the crank case, a dial without the case concentric with

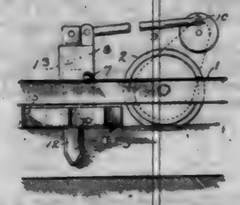
the control shaft, an adjustable arm and a pointer on the control shaft, a shaft subtending the arc of normal movement of the arm operatively connected with the engine, a centrifugal governor thereon, and operative connections between the governor and arm.

1,542,355. PIPE-BENDING APPARATUS. GUY EUGENE BARKER, Waterloo, Iowa. Filed Mar. 12, 1924. Serial No. 698,797. 3 Claims. (Cl. 153—40.)



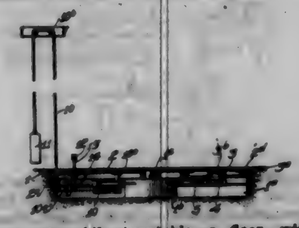
1. A device for manually bending pipe consisting of a main gear and an actuating gear in intermeshing relation, the latter having means providing for its manual rotation, a pipe bending segment associated with and conforming to the peripheral curvature of the main gear and having teeth upon its inner face engageable with the teeth of said gear at spaced points of the latter, a pipe-gripping member carried by said segment, and a pipe guide adjacent to the main gear forming an abutment for the pipe during the bending operation.

1,542,356. ROAD-BUILDING APPARATUS. ELDEN D. BAYLEY and WILLIAM BAYLEY, Springfield, Ohio. Filed Feb. 15, 1924. Serial No. 693,022. 27 Claims. (Cl. 94—48.)



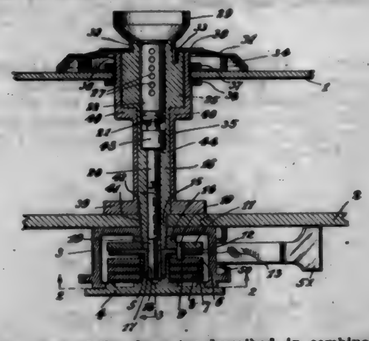
1. A traveling carriage, a spading blade carried thereby for operation intermediate a mass of plastic material and the side of a mold form, a scraper shoe advanced in unison with the advance of the spading blade for returning to the mass any misplaced material, and an edger also advancing in unison with the spading blade and scraper shoe for forming and contouring the marginal edge of the mass.

1,542,357. AUTOMOBILE TURNTABLE. HENRY F. BECHER, Orange, Calif. Filed Nov. 6, 1924. Serial No. 748,076. 8 Claims. (Cl. 104—41.)



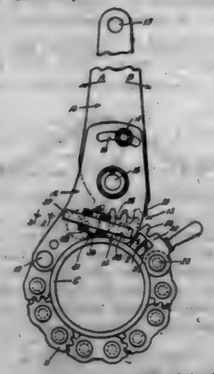
7. In an automobile turntable, a floor, with a circular recess therein, a platform revolubly mounted in said recess flush with the floor provided with a recess in one side thereof, a small platform revolubly mounted in said recess in said platform, a pinion in connection with said small platform, a gear rack meshing with said pinion, means for rigidly supporting said gear rack in the recess in said floor.

1,542,358. COMBINED KEY AND COMBINATION LOCK. DAVID H. BELLAMORE, New York, N. Y., assignor to The Mosler Safe Company, Hamilton, Ohio, a Corporation of New York. Filed Nov. 3, 1923. Serial No. 672,464. 13 Claims. (Cl. 70—53.)



1. In a lock of the character described, in combination, combination lock mechanism operable from a combination operating member to lock and unlock the lock, and key lock mechanism associated with said combination operating member, said key lock mechanism being operable to lock and unlock the lock and being operable also to prevent or to permit the unlocking of the lock by operation of said combination lock mechanism.

1,542,359. TONGS. WILLIAM L. BESSOLO, Clearwater, Calif. Filed Feb. 3, 1923. Serial No. 616,821. 5 Claims. (Cl. 81—67.)

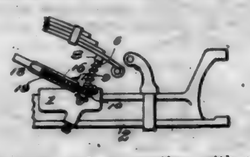


5. A tool of the character described including a handle having a rack on its inner end, a chain having one end connected with the inner end of the handle, a member on the other end of the chain having teeth adapted to cooperate with the rack, ratchet teeth on said member, and a pawl connected with the handle and adapted to cooperate with the ratchet teeth.

1,542,360. AUTOMOBILE-SPRING JACK. NORMAN C. BETHEA, Dunn, N. C. Filed July 10, 1924. Serial No. 725,246. 7 Claims. (Cl. 29—67.1.)

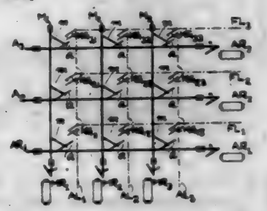
1. In a jack of the class described, the combination of a body provided with inclined guides, a frame having

legs positioned in said guides, said legs provided with pinions for raising and lowering the same, and means



carried by the body and cooperating with said pinions for actuating said pinions.

1,542,361. INTERCONNECTION OF ELECTRICAL LINES. GOTTHILF ANSGARIUS BETULANDER, Sodertorns, Villastad, Sweden, assignor to The Relay Automatic Telephone Company, Limited, London, England. Filed Aug. 11, 1922. Serial No. 581,179. 7 Claims. (Cl. 179—18.)



1. The combination of a plurality of lines of one order, a plurality of lines of a second order, a plurality of sets of contacts, the contacts of each set being arranged in intersecting rows and columns, each line of the second order being connected to only one set of contacts but to more than one row of contacts in that set and each line of the first order being connected to as many contacts in each of the sets as there are lines of the second order connected to that set, a relay adapted to control each row of each set and a relay adapted to control each column of each set.

1,542,362. SHIPMENT FASTENER. WILLIAM W. BLAKELY, Detroit, Mich. Filed Oct. 8, 1923. Serial No. 667,393. 5 Claims. (Cl. 280—179.)



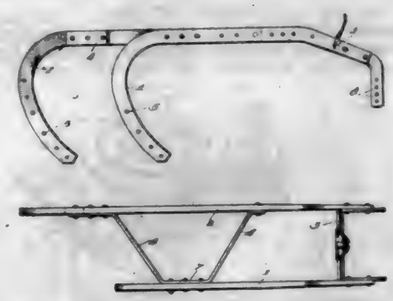
1. The combination with a flexible lashing and an anchorage permanently secured thereto including a sheet metal member folded to embrace said lashing and slotted across the fold thereof, the end portions of the slot being registered at the side of the lashing remote from said fold, and a headed securing element passing through said registered end portions in close proximity to said lashing.

1,542,363. AUTOMOBILE HEATER. THOMAS BOVEY, Chicago, Ill. Filed Feb. 14, 1925. Serial No. 9,278. 9 Claims. (Cl. 257—136.)



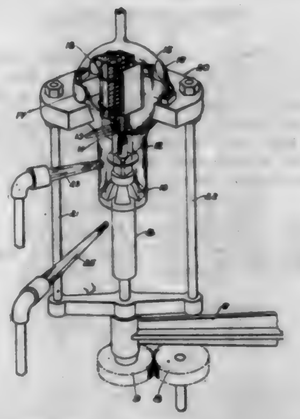
1. A removable partition for heaters comprising a suitably shaped strip, and supports extending from an edge thereof whereby to space said strip from the bottom of the heater.

1,542,364. PLOW FRAME. WILLIAM ALBERT BRADLEY, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Feb. 9, 1922. Serial No. 535,149. 1 Claim. (Cl. 37—107.)



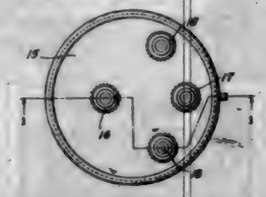
A plow frame having two parallel plow beams made of flat metal bars of rectangular cross section with the bars positioned with their flat faces in substantial vertical planes, one of said beams being longer than the other so that plow bodies attached to their rear ends will be in staggered relation, a U-shaped brace connecting the forward ends of the beams, one of the arms of the U being connected to one beam and the other arm being connected to the other beam, both of said arms extending forwardly and downwardly beyond the ends of the beams to form connections for receiving a draft hitch, and a U-shaped brace having diverging arms connecting the rear ends of the beams, the base of the U being connected to the short beam and the diverged arms being connected to the long beam.

1,542,365. GLASS WORKING MACHINE. JOSEPH BRANIGAN, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 27, 1919. Serial No. 326,754. 5 Claims. (Cl. 49—2.)



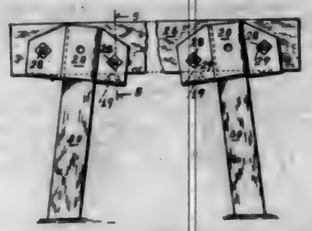
1. A machine for sealing a stem in a bulb comprising a support for the stem, a support for the bulb, means mounted on said support for the stem, and surrounded by the bulb for maintaining the bulb in the desired relation to the stem, said means having a discontinuous surface whereby heat may be applied to the stem.

1,542,366. VACUUM-TUBE BASE. WILLIAM R. BROUGH, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 2, 1920. Serial No. 427,807. 22 Claims. (Cl. 250—27.)



1. A base for a vacuum tube having electrodes, said base comprising a sheet metal shell, a disc mounted therein, said disc being of insulating material having a low specific dielectric loss, terminals for the electrodes of the tube mounted in said disc, each of said terminals being arranged at one vertex of congruent scalene triangles to establish for the operating voltages of the grid and anode an approximate minimum potential gradient between the terminals for the grid and cathode, between said terminals and the shell, and between said terminals and the terminals of the cathode.

1,542,367. WROUGHT-METAL SOCKET FOR LEGS OR STANDARDS OR THE LIKE. GEORGE A. BRYAN, Springfield, Ill. Filed Mar. 5, 1925. Serial No. 13,241. 2 Claims. (Cl. 304—5.)



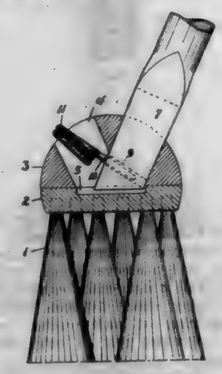
1. A wrought metal socket-member for legs, or standards or the like, comprising a tapered box having end walls parallel to each other, wings integral with an extending outwardly from the respective end walls, and stops of unequal length integral with the respective wings, and formed by bending one terminal part of each wing at an angle relative to the wing and adapted to hold the socket-member in inclined relation to the structure with which it is connected.

1,542,368. POT-HANDLE HOLDER. ALLAN EDWARD BRYCE, Providence, R. I. Filed Nov. 19, 1923. Serial No. 675,788. 1 Claim. (Cl. 220—96.)



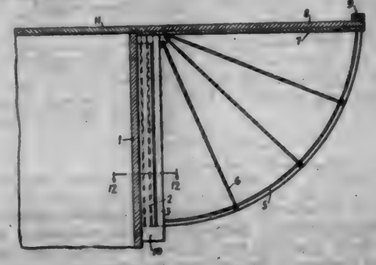
A bail handle holder adapted to be applied to a vessel consisting of a single piece of resilient sheet metal formed substantially U-shaped in side elevation and provided at the outer edge of the intermediate portion with a flange extending beyond the one side of the body of the piece and provided at a point between its ends with a notch, the end portions of the body of the piece being folded back upon themselves, said folded portions being ogee shaped in edge elevation and merging into extremities which are normally disposed substantially parallel with the inner part of the end portions of the body of the piece, said ogee shaped end portions and the extremities thereof being disposed at the opposite sides of the body of the piece from that side thereof beyond which the said flange is disposed.

1,542,369. FLOOR BRUSH. CHARLES BYRD, Fort Wayne, Ind. Filed Apr. 5, 1923. Serial No. 629,978. 1 Claim. (Cl. 306—29.)



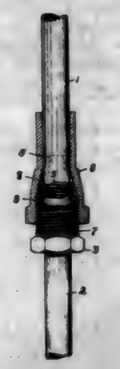
In a floor brush, a brush including an anchor plate; a back to which the anchor plate is secured, said back having divergent openings extending upwardly therethrough and intersecting at their lower ends, handle having a bifurcated head, shaped so as to fit in either of said openings; and an eye-pin having a shank and contiguous coiled head, said eye-pin being applicable selectively through the openings in the back of the brush to spread the head of the handle in the opposite opening at a point beneath the intersection of said openings while its coiled head is secured in the corresponding opening from turning therein.

1,542,370. SHIP. LEON CAMMEN, New York, N. Y. Filed Mar. 14, 1925. Serial No. 15,520. 1 Claim. (Cl. 244—2.)



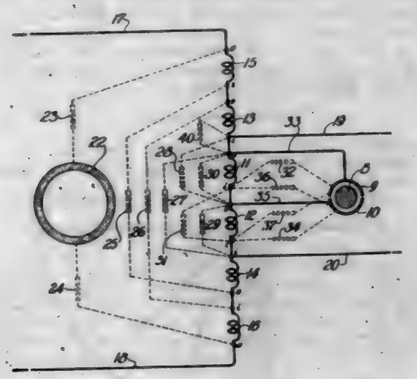
On a ship, a horizontal platform extending from the side thereof over the water, to afford starting or landing facilities for aircraft, said platform comprising floor members serving as runways for aircraft in starting or landing, and frames to support said floor members in proper relation to the ship, said frames consisting of stationary elements attached to the wall of the ship, and other elements held by said stationary elements and being in such relation thereto as to permit rapid erection and disassembling of said frames.

1,542,371. HOSE COUPLING. ORPHA P. CANADAY, Fort Wayne, Ind. Filed Mar. 19, 1923. Serial No. 626,033. 2 Claims. (Cl. 285—86.)



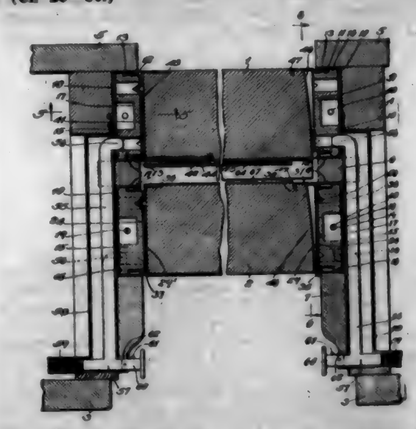
2. In a hose coupling, an externally threaded stock having a tapered stem for the reception of the hose; a close coil contacting member encompassing the hose about the stem; and a sleeve having threaded relation with the stock and constricting engagement with said member, there being space between said member and said stock admitting of unobstructed creeping movement of the lowermost coil of said member therein around the hose.

1,542,372. TRANSFORMER. WILLIAM L. CASPER, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 19, 1922. Serial No. 595,538. 11 Claims. (Cl. 175—361.)



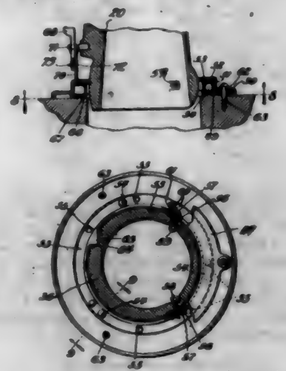
11. A transformer comprising a metallic casing and an electrostatically balanced winding comprising four multi-layer sections, two of which sections are wound on one portion of the core and the other two on another portion of the core said sections being serially connected in the following order: the inner layer of the outer section on one part of said core to the outer layer of the inner section of the other part of said core, the inner layer of said last mentioned section to the inner layer of the other inner section and the outer layer of said last mentioned inner section to the inner layer of the other outer section, said two last mentioned sections being wound in the opposite direction to said two first mentioned sections.

1,542,373. WINDOW. JAMES COUPLAND, Chicago, Ill. Filed June 12, 1924. Serial No. 719,564. 12 Claims. (Cl. 20—80.)



1. The combination with a window frame of a sliding and swinging window sash, a plurality of guides mounted on the window frame, a slide for each guide, means for securing one edge of the window sash to one of the slides, means for detachably securing the other edge of the sash to the other slide, and movable closure means interposed between the latter slide and the sash.

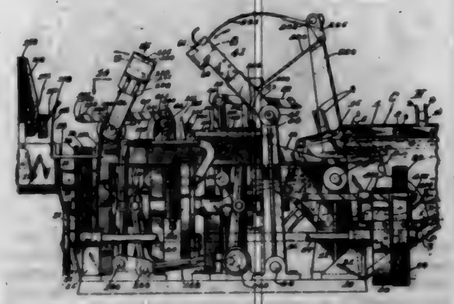
1,542,374. PHONOGRAPH TONE ARM. ROLAND B. DALBY, Chicago, Ill. Filed Mar. 24, 1922. Serial No. 546,302. 8 Claims. (Cl. 274—23.)



3. In a phonograph, the combination of a tone arm having one end loosely fitting within a collar with trunnions joining the tone arm to the collar to permit the tone arm to move in a vertical plane, the axis of said trunnions being parallel with but spaced from a diameter of said collar, the portion of the tone arm within said collar having two opposite sides of different curvatures, the curvatures of said sides being along the arcs of circles, the radii of which are the distances, respectively, from said sides to said axis of said trunnions.

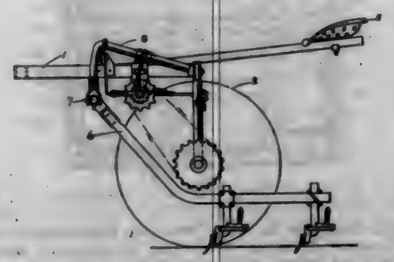
1,542,375. ART OF HANDLING AND BUNCHING BAGS. JOHN T. DALTON, Durham, N. C., assignor to Golden Belt Manufacturing Company, Durham, N. C., a Corporation of New Jersey. Filed Dec. 16, 1922. Serial No. 607,371. 88 Claims. (Cl. 112—2.)

88. Bag handling and fastening mechanism comprising a conveyor having spaced bag holders, each adapted to hold a bunch of fabric bags in flatwise contact, a fastening holder to position a bunch of bags for fastening, means for automatically transferring successive bag bunches from the conveyor holders to the fastening holder, means for passing a thread through the bunch of bags supported in the fastened holder to secure the bags together, means for transferring the successive fastened bunches from the fastening holder to a discharge



point, and means acting automatically upon absence of a bunch of bags at a predetermined position in the mechanism anterior to fastening position to render the fastening means inoperative at a time corresponding to the time when said absent bunch would be positioned for fastening in the normal operation of the machine.

1,542,376. POWER SHIFT FOR CULTIVATORS. HARRY S. DICKINSON, Moline, Ill., assignor, by mesne assignments, to Moline Implement Company, a Corporation of Illinois. Filed Apr. 14, 1921. Serial No. 461,336. 3 Claims. (Cl. 97—154.)



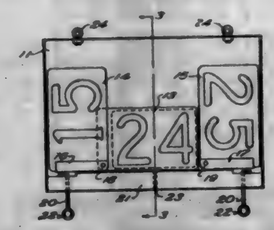
1. A tractor cultivator having a wheeled frame, a transversely movable drag bar support, drag bars connected to said support, a rock shaft connected to the drag bar support, and power operated means for oscillating the rock shaft to shift the drag bar support transversely.

1,542,377. TELEPHONE INSTRUMENT. HENRY F. DOBBIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 20, 1923. Serial No. 652,755. 4 Claims. (Cl. 179—158.)

1. In a telephone instrument, a switchhook, a reciprocating shaft controlled by said switchhook, a member fixed to said shaft and carrying a pair of operating lugs, a lever disposed between said lugs so as to allow said shaft a certain amount of play in either direction without actuating said lever and thereafter actuating said lever, and contact springs actuated by the movement of said lever.



1,542,378. PRICE-EXHIBITING DEVICE. PAUL W. FENTON, New York, N. Y. Filed May 7, 1925. Serial No. 28,541. 5 Claims. (Cl. 40—67.)

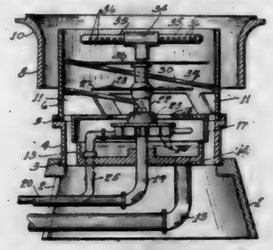


3. A price exhibitor comprising a housing and two sets of marked plates mounted therein at opposite sides, and the said housing being provided with an intermediate window, a U-shaped holding member for each set of the plates, means to pivot said members with plates to the housing, and push rods extending beyond the housing and having their inner ends in proximity to the U-shaped members and adapted to engage the same for upsetting a set of plates.

1,542,379. OIL BURNER. JOHN R. FLANNERY, St. Louis, Mo. Filed May 19, 1924. Serial No. 714,400. 9 Claims. (Cl. 158—77.)

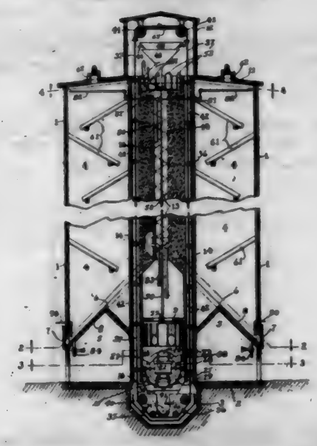
8. An oil-burner comprising a base, an apertured shell mounted upon the base, a water basin fixed within the shell, a fuel-supply stem projecting upwardly in the shell and through the basin, a tubular casting disposed within the shell for rotation upon the stem, a burner-disk provided with a multiplicity of openings fixed upon the casting, a fan also fixed upon the casting and disposed in spaced relation under the disk, a water wheel also carried by the casting and disposed in spaced relation under the fan, a water supply pipe discharging upon the wheel for effecting rotation of the casting and its carried disk and fan, a water coil disposed in the shell having communication with said water supply pipe and discharg-

ing upon the disk, a perforated discharge pipe mounted upon the stem and disposed horizontally over the disk for supplying fuel to the disk, and a ring-shaped casting dis-



posed in spaced encircling relation about and partly above the plane of the shell for confining the flame of the disk.

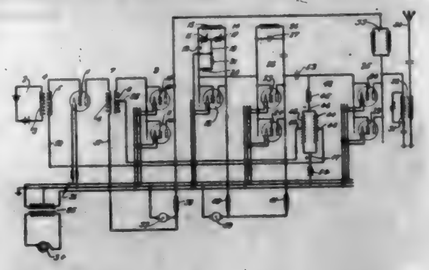
1,542,380. STORAGE PLANT. CHARLES B. FOSTER, Indianapolis, Ind. Filed May 29, 1920. Serial No. 385,135. 6 Claims. (Cl. 214—16.)



1. In a storage plant, a tower provided with a vertically arranged shaft, a series of storage bins disposed vertically of said tower and arranged about the shaft, a passageway transversely through the base of said tower and communicating with said shaft to permit a conveying means to be positioned in said passageway beneath said shaft, means adapted to receive the contents from said conveying means and to raise said contents to the top of said tower, said means being adapted to discharge said contents into any desired bin disposed about said shaft, each of said bins having a door located at the base thereof and adapted to discharge into said passageway in the localized area of said shaft whereby a conveying means disposed in said localized area can receive the contents from any desired bin.

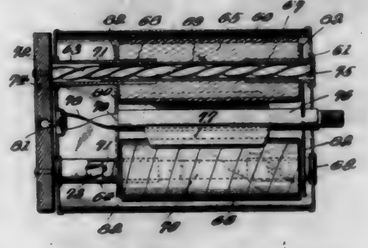
3. In a storage plant, a tower provided with a vertically arranged shaft, a series of storage bins disposed vertically of said tower and arranged about the shaft, a passageway transversely through the base of the tower and communicating with said shaft to permit a conveyance to be positioned in said passageway across the bottom of said shaft, each of said bins having a door located at the base thereof and adapted to discharge into the shaft whereby a conveyance positioned across the bottom of said shaft can receive the contents from any desired bin.

1,542,381. DISCHARGE-DEVICE SYSTEM. JOHN C. GARRIEL, New York, N. Y., and ARVID G. LANDEEN, Caldwell, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 13, 1924. Serial No. 719,098. 17 Claims. (Cl. 250—17.)



10. Signaling apparatus, including a plurality of electron tubes, each having grid, filament and plate electrodes, a power amplifier having an input and an output circuit and means connected in the input circuit of said power amplifier for negatively biasing the grid electrodes of all of said tubes.

1,542,382. SAFETY-RAZOR-BLADE STROPPER. GEORGE D. GALLAGHER, Washington, D. C., assignor, by mesne assignments, of twenty-five one hundred and fourths to Nannie T. Hoos, twenty-five one hundred and fourths to Ruth B. Walten, four one hundred and fourths to Marguerite G. Schanberger, all of Baltimore, Md., twenty-five one hundred and fourths to Callie F. Moore, Washington, D. C., and twenty-five one hundred and fourths to J. Marsh Matthews, Baltimore County, Md. Filed Sept. 22, 1921. Serial No. 502,479. 9 Claims. (Cl. 51—36.)

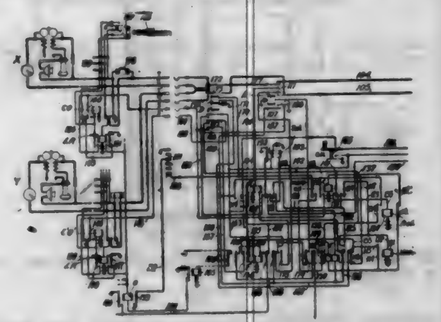


1. A device of the class described comprising a casing, a tube journaled therein and reciprocating wholly within said casing, a stropping roll mounted on said tube, a blade holder mounted in said casing, a spiral driver reciprocable through said tube, and means operable by the reciprocation of said spiral driver for rotating and reciprocating the rolls and positioning said blade holder.

1,542,383. AUTOMATIC TELEPHONE SYSTEM. ALFRED E. HAGUE, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 16, 1923. Serial No. 632,311. 7 Claims. (Cl. 179—18.)

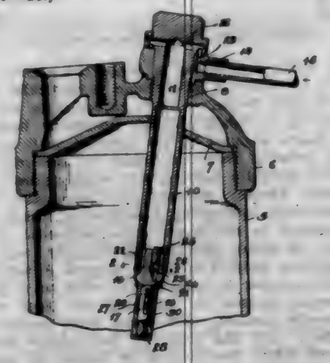
1. In a telephone system, subscribers' lines, a trunk line, a finder switch in which said trunk terminates, having a pair of sets of brushes, means for moving said brush sets over two rows of subscriber's line terminals simultaneously upon the initiation of a call, means for

testing terminals in both rows simultaneously and for stopping the finder when a calling line is reached in either row, means always including but a single relay for connecting the proper brush set to said trunk, means



for operating said relay to shift the trunk to one brush set when a calling line is reached by said set, and means for stopping said finder without operating said relay when a calling line in the other group is reached by the other brush set.

1,532,384. TORPEDO. ANDREW T. HALL, Newport, R. I., assignor to The Government of the United States. Filed Aug. 12, 1920. Serial No. 403,050. 8 Claims. (Cl. 60—46.)



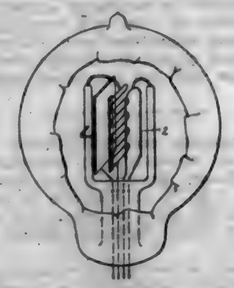
3. In combination with the combustion flask of a torpedo, a water spray therein comprising a tubular member connected with the source of water supply, a spray member at one end of said tubular member, means normally closing the outlet to said spray member and fusible means associated with said closing means adapted to release the closing means on material increase in temperature.

1,542,385. THERMIONIC CATHODE AND METHOD OF MAKING THE SAME. JAMES E. HARRIS, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 12, 1920. Serial No. 416,386. 31 Claims. (Cl. 250—27.)

11. An electron-emitting cathode containing platinum, nickel, barium oxide and strontium oxide.

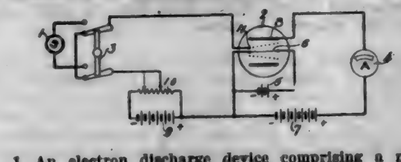
21. An alloy comprising a metal of the platinum group and a metal which upon being baked with an oxide of an alkaline earth metal in air reacts with oxygen and said oxide to form a compound much more readily than does platinum.

29. An electron emitting element comprising a core of a refractory metal alloyed with a lesser amount of a metal, such as nickel, which volatilizes at a relatively



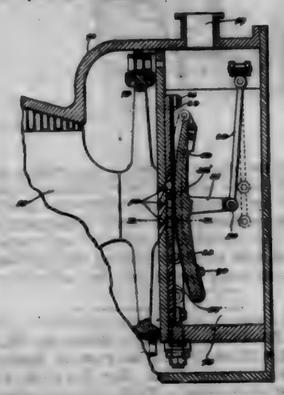
lower temperature than said refractory metal, and a coating containing an oxide of an alkaline earth metal applied to said core, said refractory metal being substantially inactive chemically with respect to said oxide.

1,542,386. VACUUM-TUBE DESIGN. RALPH V. L. HARTLEY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 14, 1920. Serial No. 430,637. 5 Claims. (Cl. 250—27.)



1. An electron discharge device comprising a multipotential cathode, an anode and an equipotential control electrode, said control electrode having parts in such space relationship to parts of said cathode as to offer to the flow of electrons between the cathode and anode an impedance which compensates for the drop in potential along the cathode.

1,542,387. NOZZLE-CONTROL MECHANISM FOR STEAM TURBINES. HERBERT T. HERR, Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1923. Serial No. 610,488. 7 Claims. (Cl. 137—158.)



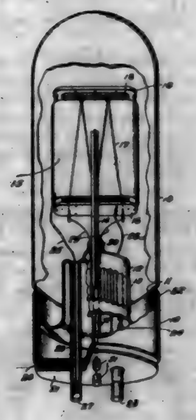
1. In a turbine, the combination of a nozzle block having a plurality of nozzle openings therein, a flexible member secured to one end of the block and adapted

to cover and uncover the nozzle openings, a convexly-faced rocker member secured to the other end of the flexible member and adapted, when rocked, to cause the flexible member to be wrapped or unwrapped thereabout to uncover or cover said nozzle openings, and flexible members cooperating with said convexly-faced member laterally of said first flexible member to maintain the latter taut and in contact with the nozzle block.

1,542,388. PROCESS FOR EMPLOYING WATER SOLUTIONS OF RUBBER AND ARTICLES SO PRODUCED. ERNEST HOPKINSON and WILLIS A. GIBBONS, New York, N. Y., assignors to Revere Rubber Company, Chelsea, Mass., a Corporation of Rhode Island. Filed Feb. 3, 1922. Serial No. 533,776. 16 Claims. (Cl. 18—58.)

2. The method of making rubber articles which comprises continuously building up a deposit of rubber solids on a form by disposing the surface of the form in contact with a body of latex, withdrawing moisture from that portion of the latex in contact with the form, and drying and vulcanizing the article.

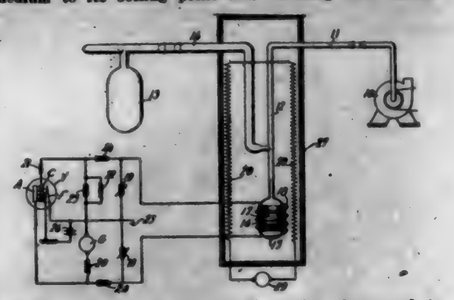
1,542,389. VACUUM-INSULATED TERMINAL. WILLIAM G. HOUSKEEPER, New York, N. Y., and WILLIAM R. BROOKS, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 19, 1920. Serial No. 425,110. 5 Claims. (Cl. 250—27.)



1. An electron discharge device comprising an evacuated vessel having a stem, a base enclosing a portion of said vessel, an electrode supported by said stem, a tubular member within said stem communicating with said vessel and extending through said base and a lead wire for said electrode passing through said tubular member and being sealed into the outer end thereof.

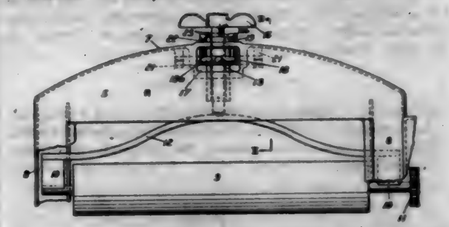
1,542,390. VACUUM PUMP. WILLIAM G. HOUSKEEPER, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1921. Serial No. 483,472. 6 Claims. (Cl. 230—13.)

1. The steps in the evacuation of a vessel which consist in producing a vapor stream by inducing eddy currents in a supply of pumping medium to heat said medium to its boiling point and directing said stream



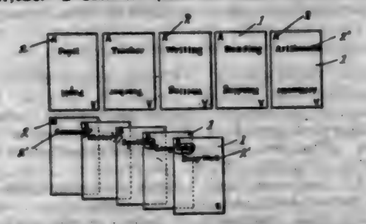
through a chamber communicating with the vessel to be evacuated.

1,542,391. WRINGER. CHESTER C. HOWE, New Kensington, Pa. Filed Sept. 23, 1922. Serial No. 590,004. 6 Claims. (Cl. 68—32.)



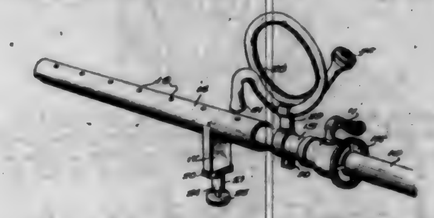
1. A wringer including a supporting frame, a roll movable vertically in said frame, a vertically movable block in said frame, a shaft threaded in said block and having a handle portion projecting beyond the frame, means engaged by the threaded shaft for transmitting pressure from said shaft to the roll, and a latch for normally holding said block against upward movement, whereby pressure may be applied to said roll, said latch comprising a supporting member pivotally mounted in the frame on a horizontal axis and rotatable in either direction on its axis, and having arms thereon adapted to move through a vertical arc when the member is rocked, said latch being provided with means thereon for engaging the block when it is in normal position, said means being moved out of engagement with the block by the arcuate travel of said arms when the member is rocked in either direction from the normal position.

1,542,392. CARD GAME. ANNA L. R. JOHNSON, Marietta, Minn. Filed Mar. 27, 1922. Serial No. 547,024. 2 Claims. (Cl. 273—152.)



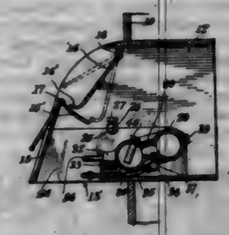
1. Card game apparatus, comprising a deck of cards divided into groups, legible means on each card to suggest but not name a group to which the card belongs, a character on each card, alike for all cards in a group but distinctive for different groups, and an index containing a list of the group designating characters, and in conjunction with each group designating character the name of the group which it designates.

1,542,393. GAS BURNER. DEMETRIOS K. KARAMANOS, Joliet, Ill. Filed Sept. 19, 1924. Serial No. 738,686. 3 Claims. (Cl. 116—100.)



2. A device of the character described comprising a burner pipe provided with a series of apertures, a control valve for controlling flow of gas into one end of said pipe, a pressure regulating valve arranged outwardly of the aperture nearest said control valve, a coiled pipe arranged over said burner pipe and having one end flared and arranged over said last named aperture, and a whistle carried by the opposite end of said coiled pipe and adapted to be actuated when the flame of the burner is extinguished while said control valve is open.

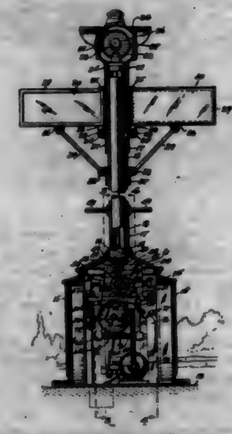
1,542,394. EXTERNAL HOT-BLAST BURNER. ADOLPH G. KAUFMAN, New York, N. Y. Filed Apr. 7, 1923. Serial No. 630,531. 8 Claims. (Cl. 158—4.)



8. A combined fuel oil gas generator and burner comprising a unitary structure having a plurality of preheating chambers, an expansion chamber containing perforations, a nipple in said expansion chamber, said nipple extending nearly to its bottom and outward at a rearwardly inclined angle, a wick containing fuel trough adjacent said expansion chamber receptive of fuel from the perforations in said chamber in the initial stage of operation, means for controlling the heat delivered to said preheating chambers, removable closures at the ends of said chambers, tubular connections between said chambers, and removable plugs in said connections permitting entry thereto.

1,542,396. AUTOMATIC TRAFFIC-SIGNAL MECHANISM. CHARLES H. KAYSER, Montclair, N. J. Filed Jan. 9, 1924. Serial No. 685,079. 7 Claims. (Cl. 116—63.)

2. An automatic traffic signal mechanism, comprising a supporting means provided with a vertically disposed rotatable shaft, visible signal means supported and operated by said shaft, means for imparting rotative impulses to said shaft to alternately display desired signals to the traffic to be controlled, the same including a ratchet-wheel, a gravity controlled lever mechanism including a drive-pawl for actuating said ratchet-wheel, a rotary trip-wheel, said trip-wheel having a plurality of trip-studs for raising and tripping said lever mechanism, means whereby said trip-studs may be adjusted in relation to each other to regulate the time of their active cooperation with said lever mechanism during each rotation of said trip-wheel, means for ro-



tating said trip-wheel, an audible signal element, means for sounding said audible signal element, a plurality of additional trip-studs on said trip-wheel to cooperate with and actuate said sounding means, and means for relatively adjusting said additional trip-studs in correspondence with the adjustment of said first mentioned trip-studs whereby said audible signal is actuated simultaneously with each actuation of said visible signals.

1,542,396. BALL GAME. ARTHUR V. KLINK, Danbury, Conn. Filed Nov. 4, 1922. Serial No. 599,055. 8 Claims. (Cl. 273—88.)

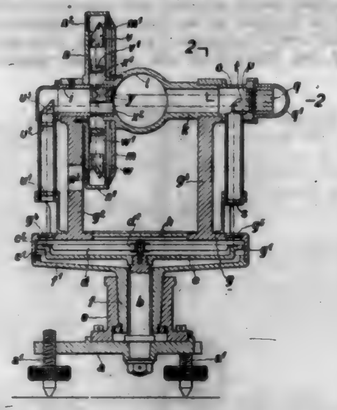


1. A game apparatus comprising figures of ball players arranged to represent a batter, a catcher and an umpire in their normal positions, and a bat held in front of the catcher provided with a ring in an upright position.

1,542,397. THEODOLITE WITH COMPASS. ALBERT KÖNIG, Jena, Germany, assignor to the Firm Carl Zeiss, Jena, Germany. Filed Apr. 20, 1923. Serial No. 633,474. 3 Claims. (Cl. 88—2.6.)

1. The combination of a fundamental body, a pedestal body disposed on the fundamental body rotatably about a vertical axis, a horizontal circle connected with the fundamental body, a part disposed on the pedestal body

rotatably about a horizontal axis, this part being adapted to receive a telescope, a magnetic needle, disposed inside the said horizontal circle, and optical means comprising a reading microscope and being adapted to ren-

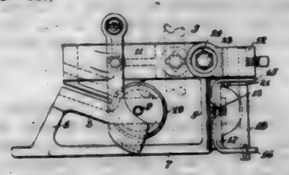


der visible simultaneously the said needle and the horizontal circle at such a position of the said part that a telescope placed within this part would be directed upon approximately the magnetic meridian.

1,542,398. ELECTROMAGNETIC DEVICE. PHILIP K. MCGALL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 31, 1920. Serial No. 434,183. 5 Claims. (Cl. 200—97.)

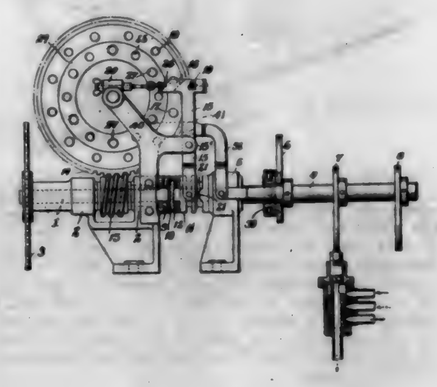
1. An electromagnetic device comprising an operating winding, an armature, switch springs, a member for actuating said springs and operated by the movement of the armature in one direction, means for retarding said member to cause it to actuate the springs a predetermined interval after the armature has completed its movement, and means for rendering said retarding means ineffective to delay the action of said member on the movement of the armature in the opposite direction.

1,542,399. SLUB CATCHER. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Sept. 20, 1924. Serial No. 738,890. 6 Claims. (Cl. 28—65.)



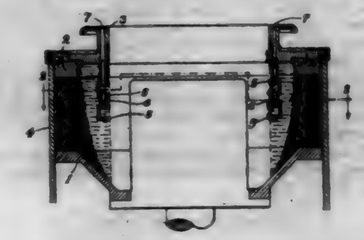
1. A slub catcher comprising an integral resilient yoke having two branches, one branch having a lateral member, the other branch provided with a lateral pin, a comb pivoted on said pin in position to coact with said lateral member, and means for springing one branch to vary the distance between the comb and its coacting member.

1,542,400. MECHANISM FOR CONTROLLING THE OPERATION OF MACHINES AND APPARATUS. GUSTAV TER MEER, Hanover, Germany. Filed Apr. 30, 1921. Serial No. 465,827. 11 Claims. (Cl. 74—14.)



1. In an automatic controlling apparatus, the combination of, a driving shaft, a control shaft having a plurality of cams mounted thereon in fixed position against rotation relative thereto each for governing a separate step in the cycle of operations to be performed by the controlled apparatus, and means for alternately connecting and disconnecting one of said cams with respect to the apparatus controlled thereby to omit or include a step in the cycle, said means being controlled from said driving shaft.

1,542,401. OVERFLOW MANIFOLD FOR CENTRIFUGAL SEPARATORS. GUSTAV TER MEER, Hanover-Linden, Germany. Filed Mar. 11, 1925. Serial No. 14,678. 5 Claims. (Cl. 233—47.)



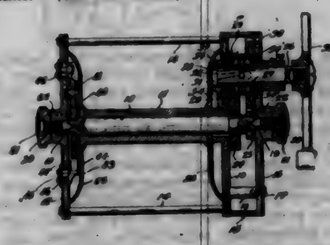
1. A centrifugal separator having an imperforate peripheral wall, a plurality of annular outlets spaced inwardly from said wall at equal distances from the axis of rotation and at axially spaced points, and means for conducting liquid from each of said outlets and entirely disposed at a greater distance from the axis of rotation than are any of said outlets.

1,542,402. ELASTIC-FLUID TURBINE. HERMAN A. MESSINGER, St. Petersburg, Fla., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 17, 1924. Serial No. 756,428. 7 Claims. (Cl. 253—77.)



1. Means for securing a lashing wire to a turbine blade having a hole therein comprising a wedge adapted to engage with the lashing wire and with the side of the hole in the blade.

1,542,403. FISHING REEL. GEORGE F. MILES, Torrington, Conn. Filed May 8, 1924. Serial No. 711,806. 3 Claims. (Cl. 242—84.7.)



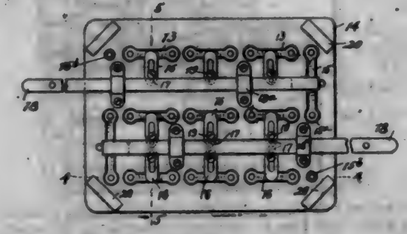
1. In a fishing reel, a rotatable spindle, a spool secured thereto, a plurality of gears secured to said spindle, a second spindle offset laterally from the first spindle and slidable longitudinally of its axis, a crank for operating said second spindle, a sleeve embracing the second spindle provided with a longitudinal slot and a central flange having a notch in alignment with said slot, means for holding said sleeve against sliding movement, a pair of gears mounted to rotate on said sleeve on opposite sides of said flange and meshing with the first mentioned gears, said gears being provided with recesses, a pin carried by the second spindle projecting through said slot and adapted to be moved by sliding movement of the spindle into the notches in the flange or gears, and means for yieldingly holding the spindle in different positions.

1,542,404. ARTIFICIAL BAIT. FRED PAULSON, Geneva, Ill. Filed May 31, 1923. Serial No. 642,387. 4 Claims. (Cl. 43—43.)



4. An artificial bait comprising a body portion, hooks on said body portion, and means whereby said bait may be caused to dive, spin or skim the surface, comprising a pair of planes independently adjustable about a horizontal transverse axis, said planes being close together for a considerable portion of their length when adjusted to the same angle, the axis of said planes being in advance of the front end of the body.

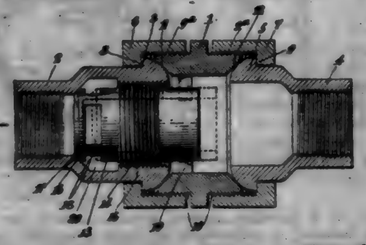
1,542,405. APPARATUS FOR AND METHOD OF APPLYING CROSS CONNECTERS TO STORAGE-BATTERY TERMINAL POSTS. WARD BURTON PETTIBONE, Cleveland, Ohio, assignor to Willard Storage Battery Company, Cleveland, Ohio, a Corporation of West Virginia. Filed June 17, 1922. Serial No. 568,951. 6 Claims. (Cl. 113—59.)



1. A device for facilitating the application of previously formed cross connecters to the terminal posts of a multi-cell storage battery, comprising a cross connecter holder adapted to be placed over a battery and having a plurality of recesses into which cross connecters may be placed, said recesses having an arrangement corresponding to the arrangement of the cross connecters on a completed battery of a number of cells arranged in a predetermined manner whereby the connecters may be assembled simultaneously on the terminal posts.

5. The method of applying previously formed cross connecters to the terminal posts of a storage battery having a number of cells, which comprises inserting the cross connecters in a holder with the former arranged in accordance with the arrangement that they are to have on the finished battery, placing the holder with the cross connecters over the battery with the ends of the cross connecters and ends of the terminal posts exposed through the holder, and then lead burning the cross connecters and the terminal posts together.

1,542,406. PIPE UNION. OTTO J. PFEIFFER, New York, N. Y., assignor to Nason Manufacturing Company, a Corporation of New York. Filed Sept. 29, 1921. Serial No. 504,198. 7 Claims. (Cl. 251—8.)

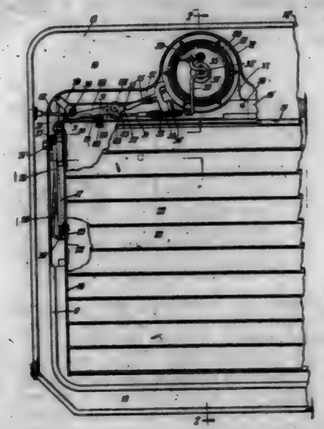


3. A valve union for pipe sections, comprising a body portion and two members, each adapted to connect with a section of pipe, independent connections between each member and the body to permit such member to move relatively to the body independently of the other member, a valve operable independently of the coupling or uncoupling of pipe sections, and seat connections to prevent leakage located interiorly between said members and the body portion.

1,542,407. SHUTTER APPARATUS FOR RADIATORS. JAMES F. RALSTON, Chicago, Ill., assignor to Pines Manufacturing Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 22, 1923. Serial No. 682,317. 15 Claims. (Cl. 236—35.)

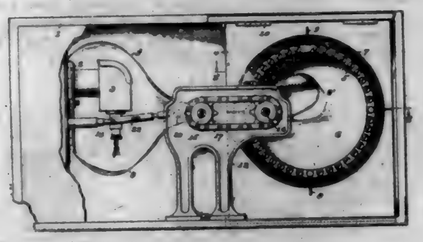
1. A shutter apparatus for a radiator, comprising a shutter for controlling the passage of air through said

radiator, thermostatically controlled means for operating said shutter, spring means against the force of which said operating means act, and means for varying



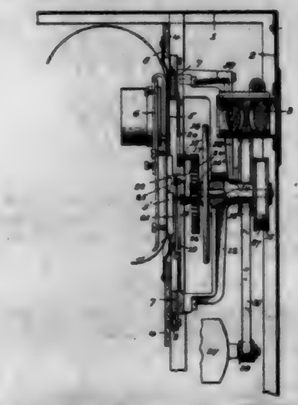
the tension of said spring means, said varying means having only two positions in each of which it is held by said spring means.

1,542,408. MOTION-PICTURE MACHINE. WILLIAM C. READSKER, Chicago, Ill., assignor, by direct and mesne assignments, to Claremont Laboratories, Inc., a Corporation of New York. Filed Sept. 10, 1921. Serial No. 499,657. Renewed May 15, 1924. 14 Claims. (Cl. 88—18.7.)



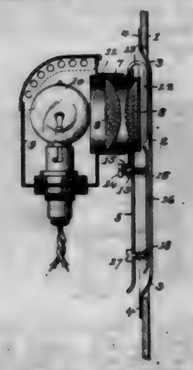
1. In a portable motion picture machine, an enclosing housing a supporting standard arranged longitudinally in the housing and formed with a central opening, a cluster of supporting rollers journalled on one side of said standard and adapted to support the roll portion of a picture film in encircling relation to said opening of the standard, a film supply sprocket drum and a film takeup sprocket drum having a single transverse carrying shaft journalled in the enclosing housing and carrying the film take-up drum in line with said supporting rollers with the film supply drum in spaced lateral relation to said take-up drum, an auxiliary film supply sprocket drum arranged in the interior of the aforesaid cluster of supporting rollers and adapted to unwind the picture film through a space between adjacent rollers and feed said film in the form of a supplementary oblique loop to the film supply drum aforesaid, means for supporting said auxiliary drum, and operative connections between said auxiliary drum and the supply and take-up drums aforesaid.

1,542,409. MOTION-PICTURE MACHINE. WILLIAM C. READSKER, Chicago, Ill., assignor, by direct and mesne assignments, to Claremont Laboratories, Inc., a Corporation of New York. Filed Sept. 10, 1921. Serial No. 499,658. Renewed May 15, 1924. 31 Claims. (Cl. 88—18.4.)



1. In a motion picture machine, the combination of a plate formed with a light aperture, a shaft arranged in right angle relation to said plate and a distance removed from the aperture thereof, a bladed light controlling shutter on said shaft, and an intermittent film feeding mechanism, the same comprising a carriage in parallel relation to said aperture plate, a frame carrying film engaging claws on said carriage, a cam on the aforesaid shaft provided with peripheral concentric and eccentric portions adapted to engage said carriage and impart intermittent reciprocation thereto, and a stud arranged eccentrically on the face of said cam, the claw carrying frame having an inclined lug on one face adapted for engagement with the stud of the cam aforesaid to receive intermittent motion therefrom in a direction at right angles to that of the aforesaid carriage.

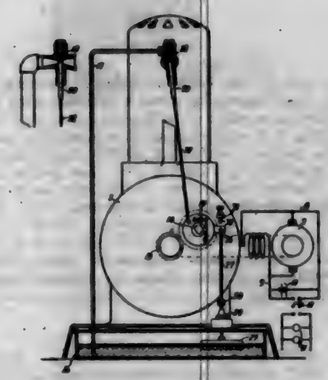
1,542,410. MOTION-PICTURE MACHINE. WILLIAM C. READSKER, Chicago, Ill., assignor, by direct and mesne assignments, to Claremont Laboratories, Inc., a Corporation of New York. Filed Sept. 10, 1921, Serial No. 499,659. Renewed Sept. 27, 1924. 4 Claims. (Cl. 88—17.)



1. In a motion picture machine, a plate having a light aperture, a film confining gate hinged to said plate at one side of said aperture, a pressure member comprising a movable plate formed with a light aperture

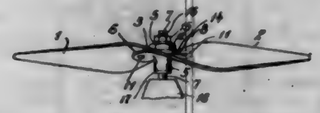
and mounted on the rear side of said gate by headed guide studs and interposed springs adapted to resiliently move said plate towards the gate, and a pair of transversely spaced pressure fingers of a flat form arranged at the front side of the gate and fixedly connected to said plate by return bends.

1,542,411. PRIME-MOVER DYNAMO PLANT. CHARLES B. REDDIG, Kew Gardens, Richmond Hill, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 641,802. 4 Claims. (Cl. 290—31.)



1. In combination, an internal combustion engine, a generator driven thereby, a storage battery to be charged by the generator, a fuel supply tank, an ignition timer, and a throttle valve for the engine, and means including the throttle valve and the timer for controlling the speed of the engine in response to the height of the fuel in said tank.

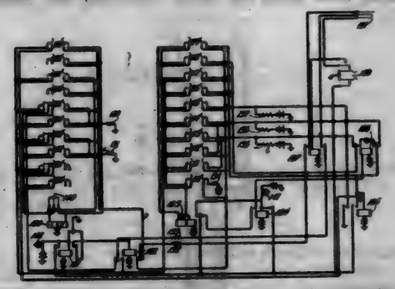
1,542,412. AERONAUTICAL PROPELLER. SYLVANUS A. REED, New York, N. Y., assignor to The Reed Propeller Co. Inc., New York, N. Y., a Corporation of New York. Filed May 14, 1924. Serial No. 713,122. 7 Claims. (Cl. 170—173.)



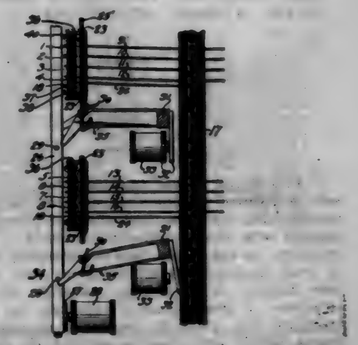
1. An aeronautical propeller having blades formed of an alloy of magnesium.

1,542,413. TELEPHONE-EXCHANGE TESTING SYSTEM. JOHN B. RETALLACK, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 9, 1924. Serial No. 711,970. 12 Claims. (Cl. 179—175.)

12. In a testing system arranged to test trunk indicating apparatus ordinarily operated to indicate the number of a trunk automatically selected, means to control arbitrarily said trunk indicating apparatus to indicate any trunk number within its scope and means to indicate the progressive operation of said indicating apparatus.



1,542,414. AUTOMATIC TELEPHONE SWITCH. CHARLES D. RICHARD, West New Brighton, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,617. 7 Claims. (Cl. 179—27.5.)

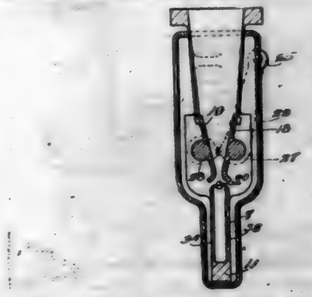


1. In a switching mechanism, sets of active contacts, an individually removable support, sets of passive contacts arranged on said individually removable support and disposed coordinately to said active contacts, a camming member for each set of said active contacts, slidably arranged in a plurality of guiding slots in said support, and a cam for operatively engaging said member to effect interengagement between said contacts at their crossing point.

1,542,415. CARBURETOR. EDWARD E. RICHARDSON, Elyria, Ohio, assignor to The R. & S. Non-Deflecting Valve Company, Elyria, Ohio, a Corporation of Ohio. Filed Feb. 9, 1921. Serial No. 443,526. 1 Claim. (Cl. 261—47.)

In a carburetor, the combination with a mixing chamber, of a fuel jet at the approach end of the chamber, and a throttle valve intermediate the ends thereof, said chamber having a discharge portion of gradually enlarged cross section towards its discharge end, and an approach portion of gradually enlarged cross-section towards its discharge end, a pair of movable valve plates constituting opposite walls of said chamber, spaced parallel trunnions carried in the intermediate walls thereof, supporting the plates at their mid portions and rotatable to cause adjacent ends of each of said plates on the approach side of the valve to meet to practically obstruct the passage through the chamber, or to move outwardly to variably open the passage

therethrough, said approach portion terminating in a narrow outlet presented to the meeting ends of said rotatable valve plates but spaced therefrom, said chamber



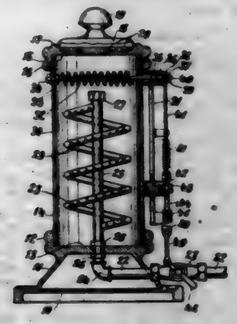
discharge portion presenting its inlet end to the other ends of said plates, but spaced therefrom, whereby air is supplied to the fuel mixture in the chamber around the ends of the plates.

1,542,416. DRAFT REGULATOR. DANIEL J. SCANLAN, St. Louis, and JOHN JOS. KRANE, St. Louis County, Mo., assignors of one-fifth to Kathryn A. Cleary, St. Louis County, Mo. Filed Jan. 22, 1923. Serial No. 614,100. 2 Claims. (Cl. 236—10.)



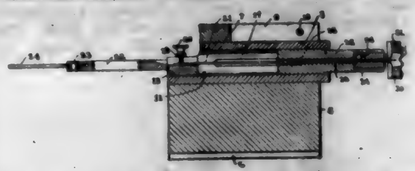
1. In a device of the type described, the combination with a tubular structure, of a cradle-shaped structure having a leg depending from the base thereof formed integrally with and extending transversely of said tubular structure, an expansible chamber removably secured within said cradle-shaped structure, a stem connected to said chamber and extending outwardly of said tubular structure, a lever mounted exteriorly of said tubular structure and pivotally connected to said stem, and means within said chamber affected by the change of temperature within the tubular structure for axially varying the expansible chamber to operate said lever.

1,542,417. AUTOMATIC VALVE-CONTROLLING DEVICE. EDMUND SCHMAL, New York, N. Y. Filed Nov. 19, 1924. Serial No. 750,741. 2 Claims. (Cl. 126—85.)



1. The combination with a gas heater and a supply pipe leading thereto, said pipe being provided with a valve, a lever for operating said valve, a spring drawn link acting on said lever to close the valve, a plunger engaging said link to retain the valve open, a thermostatic torsion element in said heater, and means actuated by said element upon the accession of heat to displace said plunger and permit the valve to close.

1,542,418. FOLLOWING WORK REST. JOSEPH L. SCHMIDLING, Milwaukee, Wis., assignor of one-half to Edward Spragg, Milwaukee, Wis. Filed Dec. 26, 1922. Serial No. 608,970. 5 Claims. (Cl. 82—2.)



1. A device of the class described comprising a substantially rigid supporting member provided with a bore; a work feeding member slidably mounted in said bore; a work holding and supporting member carried by said first supporting member, adapted to rigidly support said work in close proximity to a cutting tool; and means for sliding said feeding member for feeding the work through said work supporting member to said tool.

1,542,419. SHOE-TREE. RALPH D. SMALL, Chicago, Ill. Filed Dec. 6, 1924. Serial No. 754,247. 4 Claims. (Cl. 12—128.3.)



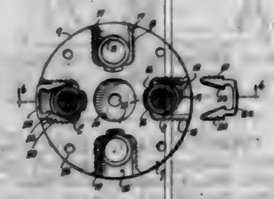
1. A shoe tree including a toe piece divided longitudinally of the tree into sections; a wedge interposed between and engaging abutments provided upon said sections to spread said sections apart, and two links, one individual to and connected at its outer end with each toe section, said links having sliding connection at their inner ends with said wedge.

1,542,420. GARMENT BAG. ABRAHAM STONE, Brooklyn, N. Y. Filed May 1, 1924. Serial No. 710,245. 1 Claim. (Cl. 206—7.)



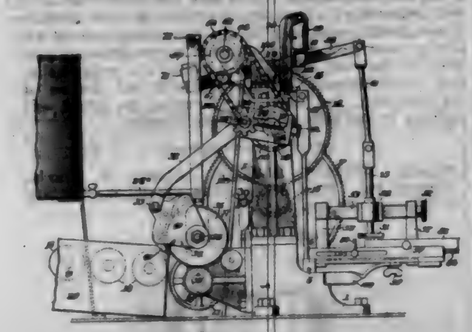
In combination, a garment bag having a plate connected thereto, the upper end of said plate being inturned, a hook carrier comprising a substantially rectangular member passing through the inturned end of said plate so as to be revolubly supported, the said hook carrier having an upwardly bent portion in the upper part thereof, a sleeve loosely connected to said carrier at the said upwardly bent portion of the upper end thereof, and a hook revolubly connected to said sleeve, said hook being adapted to turn about an axis perpendicular to said sleeve.

1,542,421. CABLE BOX. HERMAN L. STRONGSON, Brooklyn, N. Y., assignor, by mesne assignments, to The Thomas & Betts Co., Elizabeth, N. J., a Corporation of New Jersey. Filed Apr. 29, 1922. Serial No. 557,366. 15 Claims. (Cl. 247—25.)



1. In cable anchorages, boxes, and the like, a box having a socket depression made in a wall thereof to support a cable end, said socket including spaced parallel side walls, and a forked plug slidable along the walls to embrace the cable, and held in position by surface engagement between the plug forks and the box wall.

1,542,422. RUBBER-PUNCHING MACHINE. HERMAN O. STUBBS, Akron, Ohio, assignor to The Firestone Tire and Rubber Company, Akron, Ohio, a Corporation of Ohio. Filed June 26, 1920. Serial No. 391,941. 11 Claims. (Cl. 164—22.)



1. A machine for forming blanks from resilient material comprising in combination, a support for a moving strip of material, a die for cutting blanks from the strip, an ejector adapted to remove the blanks from the strip, and means for supporting the strip while the blanks are being removed adapted for forming a discharge opening for the blanks and for varying the size of the opening.

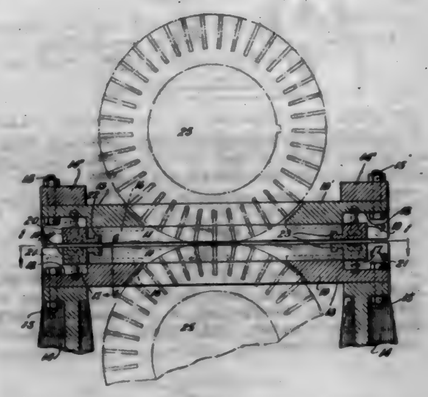
1,542,423. MEANS FOR PREVENTING LEAKAGE PAST THE PISTONS OF INTERNAL-COMBUSTION ENGINES. GEORGE A. TAYLOR, Boston, Mass. Filed Feb. 10, 1921. Serial No. 444,055. 4 Claims. (Cl. 74—109.)

1. An improved piston ring which includes a series of spring members located at an end face of the ring and having their ends integral with the body of the ring, said members having portions intermediate their ends which project beyond the remainder of the face of the



ring and are adapted to engage one wall of the piston ring groove and hold said ring against movement in an axial direction.

1,542,424. SHEET-METAL-SLITTING MACHINE. ARTHUR J. TOWNSEND, Canton, Ohio. Filed Jan. 15, 1923. Serial No. 612,785. 5 Claims. (Cl. 164—66.)



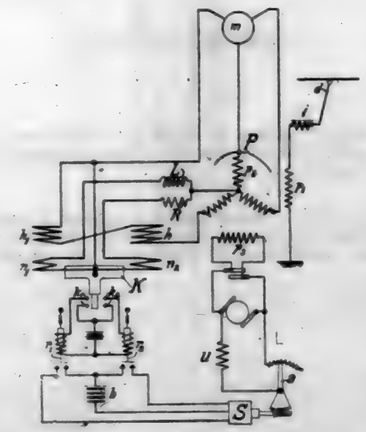
1. A sheet metal slitting machine including slitting rolls with spaced cutting disks, stripping bars extending through between adjacent disks, transverse supporting bars for the ends of the stripping bars in front and in rear of the rolls, and transverse clamping bars retaining the ends of the stripper bars.

1,542,425. WRENCH. CHARLES L. VAN INWAGEN, Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 5, 1922. Serial No. 527,075. 6 Claims. (Cl. 81—90.)



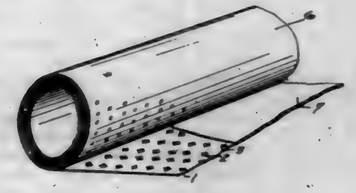
1. A tool comprising a casing having longitudinal apertures extending therethrough, bushings to fit said apertures, each of said bushings being provided with an opening, pins adapted to fit said openings in said bushings, and adjustable means for retaining said pins in the openings of said bushings in a desired position.

1,542,426. ALTERNATING-CURRENT POWER-TRANSMISSION PLANT. KALMAN VON KANDO, Budapest, Hungary. Filed Sept. 17, 1920. Serial No. 411,018. 19 Claims. (Cl. 192—238.)



1. The method of regulating alternating current induction motors which consists in varying the impressed electromotive force with the varying load in response to a change in the load conditions substantially in direct proportion to the square root of the load.

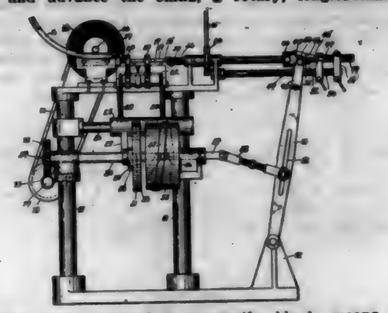
1,542,427. NONHEAT-CONDUCTING COVERING. HENRY R. WARDELL, New York, N. Y., assignor to Johns-Manville, Incorporated, a Corporation of New York. Filed Oct. 16, 1923. Serial No. 668,793. 3 Claims. (Cl. 154—45.)



1. A non-heat-conducting covering comprising, in combination, a plurality of superposed sheets of material of relatively low heat conductivity, which said sheets have a plurality of portions partly severed from the main body to form a plurality of small tabs which are bent away from the planes of the sheets far enough to form means of spacing apart from said perforated sheets proximate portions of adjacent sheets.

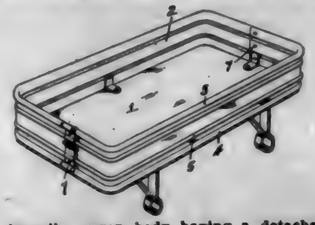
1,542,428. MACHINE FOR TURNING BLANKS FOR CROCHET HOOKS AND OTHER ARTICLES. WILLIAM R. WATROUS, Chester, Conn., assignor to C. J. Bates & Son, Chester, Conn., a Firm composed of Carlton J. Bates and Hamilton C. Bates. Filed July 11, 1923. Serial No. 650,853. 2 Claims. (Cl. 142—17.)

1. In a machine for turning blanks, the combination with a table onto which blanks are fed, means, including a pair of upper gripping-jaws, adapted to engage the blank and move it transversely across the table, a pair of lower gripping-jaws adapted to receive the blank as it leaves the table and, with the upper jaw, firmly support and advance the blank, a rotary, longitudinally-



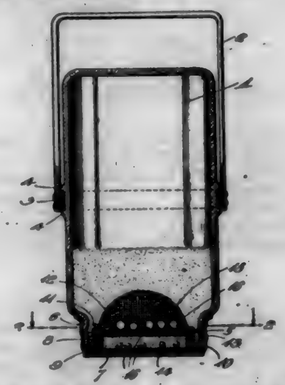
movable chuck adapted to grasp the blank, means for opening and closing the chuck, and a cutter against which the blank is advanced by said chuck.

1,542,429. JUVENILE WAGON BODY. JOHN WEBER, Toledo, Ohio, assignor to The American National Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 8, 1924. Serial No. 747,414. 3 Claims. (Cl. 296—28.)



1. A juvenile wagon body having a detachable sheet metal side wall formed with upper and lower edge rolls and composed of a plurality of sections secured together in end joining relation with the registering rolls of adjoining ends telescoping, and with the intermediate portions of the ends lapping each other, and with one of said joints disposed centrally in each end portion of the side wall, and means for securing the joined end portions of the body wall sections together.

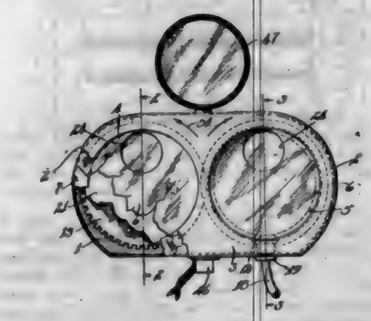
1,542,430. POISON DUSTER. ALBERT B. WEVER, Chipley, Fla. Filed Oct. 3, 1924. Serial No. 741,866. 5 Claims. (Cl. 43—145.)



1. A powder duster comprising a receptacle having a mouth, a cap closing said mouth and having a discharge opening, a screen carrying rim held within said mouth

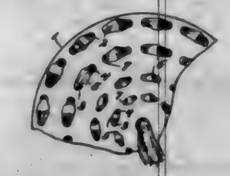
by said cap and provided with an outstanding bead, and a ring surrounding said rim between said bead and the outer end of the mouth to hold said rim against movement into the body of the receptacle.

1,542,431. SIGNAL DEVICE FOR MOTOR VEHICLES. FRANK M. WHITE, Chicago, Ill. Filed Feb. 19, 1923. Serial No. 620,027. 3 Claims. (Cl. 177—337.)



1. The combination with a motor vehicle having a driving mechanism and a steering mechanism, of a housing arranged to be mounted on said motor vehicle, means within the housing connected with the driving mechanism for visually indicating the relative speed and direction at which the motor vehicle is driving, said means comprising a pair of apertured shutters arranged to rotate in opposite directions from one another, a pair of incandescent lights disposed in said housing, one for each of said shutters, and switch operated means controlled by said steering mechanism for operating said incandescent lights selectively as said steering mechanism is turned to the left or right.

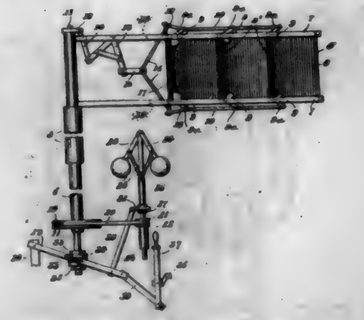
1,542,432. ARTIFICIAL FLOWER. MARY F. F. WILSON, New Rochelle, N. Y. Filed Oct. 4, 1924. Serial No. 741,776. 3 Claims. (Cl. 41—13.)



1. An artificial flower comprising a base provided with perforations, a ribbon threaded through the perforations to provide loop portions on the upper side of the base.

1,542,433. AUTOMATIC WIND MOTOR. STEFAN ZGLICZYNSKI, Baltimore, Md. Filed May 20, 1924. Serial No. 714,565. 4 Claims. (Cl. 170—26.)

4. In a wind motor, a vertical bearing member, a rotatable shaft journaled in said bearing member, a wind wheel carried by said shaft, a plurality of blades hingedly carried by said wheel, a pair of bell crank shape abutments for each blade, pivotally carried by said wheel, a governor, means for driving said governor from said shaft, and means for connecting said governor to said



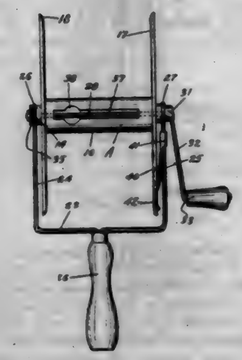
abutments so that the latter will be moved into inoperative positions successively, for causing the blades to become inoperative in a step by step manner.

1,542,434. COVERING OR CAPSULE FOR BOTTLES, JARS, OR THE LIKE, AND PROCESS FOR FABRICATING THE SAME. GUSTAV BONWITT, Berlin, Germany. Filed Mar. 8, 1924. Serial No. 697,952. 7 Claims. (Cl. 18—57.)

1. The method of manufacturing sealing coverings for bottles, jars, boxes, cases, or the like, consisting in making the respective shapes of a film containing compound-ethers, and desesterificating said shapes, substantially as set forth.

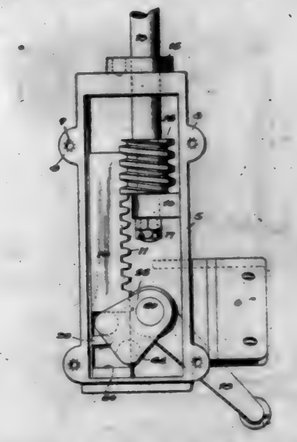
7. As new articles of manufacture: sealing coverings for bottles, jars, boxes, cases, and the like, consisting of desesterificated shapes made of films that contained compound-ethers, substantially as set forth.

1,542,435. CLOTHESLINE REEL. JOHN CARLSON, St. Paul, Minn., assignor to Arlington Machine Works, Inc., St. Paul, Minn. Filed Jan. 19, 1922. Serial No. 530,256. 6 Claims. (Cl. 242—96.)



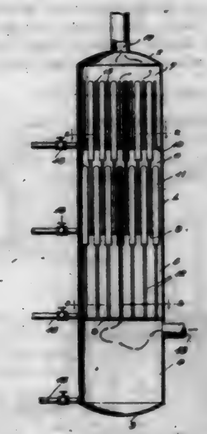
1. A reel comprising a cylindrical drum having planiform ends, square shanks issuing outwardly from the faces of said ends, reel heads having openings corresponding to said shanks adapted to be placed over the same and seated against said drum ends, the corners of said shanks being turned over to securely hold the reel heads in place.

1,542,436. STEERING DEVICE. CLYDE L. CRAIG, Washington, Ohio. Filed Aug. 9, 1922. Serial No. 580,799. 4 Claims. (Cl. 74—79.)



4. A steering mechanism comprising a rack having a U-shaped recess, an arm having laterally projecting lugs arranged in said recess and adapted to engage the walls thereof, and a worm connected to said rack.

1,542,437. MOISTURE TRAP. ROBERT E. DAVENPORT, Fort Worth, Tex. Filed Jan. 28, 1925. Serial No. 5,393. 3 Claims. (Cl. 183—34.)

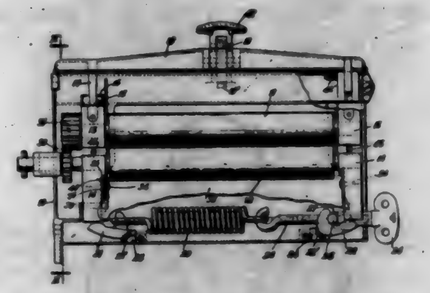


1. In an apparatus of the character described, in combination, a casing divided into a plurality of compartments, tubes leading from one compartment to a compartment there-above and closed baffle tubes positioned above the open ends of the first mentioned tubes adapted to reverse the direction of flow of the gas into the chamber next above the chamber from which it passes.

1,542,438. SOAP. ROBERT E. DIVINE, Chicago, Ill. Filed Nov. 7, 1923. Serial No. 673,369. 3 Claims. (Cl. 87—5.)

1. A soap containing a soap and from one-twentieth to one per cent of an aromatic amine.

1,542,439. CLOTHES WRINGER. HERMAN W. DOUGHTY, Binghamton, N. Y., assignor to the Nineteen Hundred Washer Company, Binghamton, N. Y., a Corporation of New York. Filed Apr. 10, 1923. Serial No. 631,059. 11 Claims. (Cl. 68—32.)

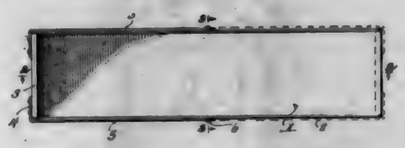


2. In a clothes wringer provided with a pair of rolls, means for resiliently pressing one of said rolls toward the other, comprising a pair of slidable bearings for said pressed roll, in which the ends thereof are mounted, a pair of levers, one of said levers being associated with each of said bearings so that one arm of the lever contacts with the bearing, and a single, adjustable, spring device connected to the other arms of said levers and adapted to cause said levers to exert an equal force on both of said bearings, the angle between the two arms of each lever being such that the effective leverage thereof decreases as the pressed roll moves away from the other roll, and vice versa.

1,542,440. IRON ALLOY. GEORGE A. DARSDALE, Indianapolis, Ind., assignor to George A. Claritton, Chicago, Ill. Filed Nov. 16, 1921. Serial No. 515,571. 3 Claims. (Cl. 75—45.)

1. A homogeneous, dense, tough, malleable iron casting containing about 0.5% sulfur and materially less manganese than sulfur, said alloy containing carbon in excess of 1.5% and total metalloids sufficiently low in amount to produce a white iron casting and having a tensile strength above 50,000 lbs. per square inch.

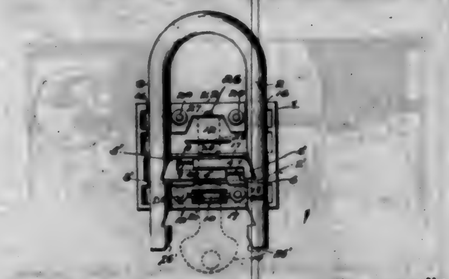
1,542,441. PRINTER'S GALLEY. EDMUND PAUL EHRLINGER, Janesville, Wis. Filed July 26, 1924. Serial No. 728,455. 2 Claims. (Cl. 276—40.)



1. A printer's galley comprising a body having a bottom and upturned sides, an end member, and means secured to said end member and pivotally joined to the central position of said body.

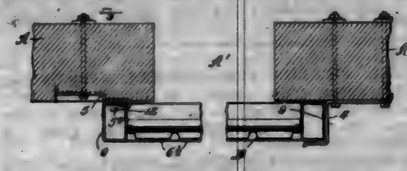
1,542,442. PADLOCK. SAMUEL R. FRAIM, Lancaster, Pa. Filed May 28, 1924. Serial No. 716,401. 2 Claims. (Cl. 70—108.)

1. A padlock comprising a casing provided with channels to receive a shackle, a pair of spring actuated locking bolts, said bolts having angular extensions, bevelled on their upper and flat on their lower sides and adapted normally to protrude into said channels, each of said bolts having a spring plunger mounted in one end and bearing on the angular extension of the



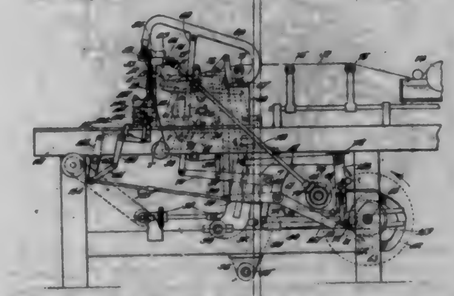
other bolt, one of said extensions extending upwardly and the other downwardly, said bolts being adapted to slide upon each other and engage said shackle in locked relation.

1,542,443. DOOR. MILLARD GILMORE, Oak Park, Ill. Filed Dec. 31, 1921. Serial No. 526,106. 3 Claims. (Cl. 189—46.)



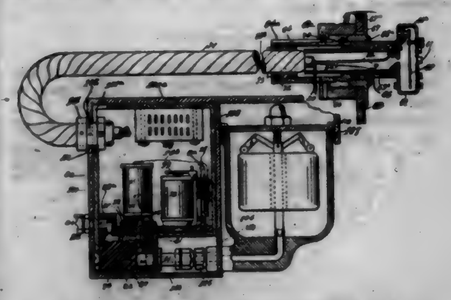
1. A door comprising corrugated plates extending cross-wise with respect to each other, and a marginal binding-member comprising an integral hollow sheet-metal body of substantially rectangular cross-section which is flangeless at its outer sides and which has projecting flanges at its inner periphery, said binding-member being mitered and bent to the form of the door and said flanges being interposed between and riveted to said plates.

1,542,444. TAPE-APPLYING MECHANISM FOR BOX-COVERING MACHINES. GEORGE EDWARD GOODING, Boston, Mass., assignor to John T. Robinson Company, Boston, Mass., a Corporation of Massachusetts. Filed Oct. 1, 1923. Serial No. 665,791. 10 Claims. (Cl. 93—54.)



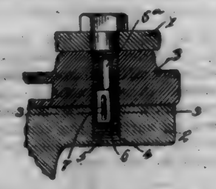
1. In a box covering machine, the combination with covering applying devices, of means for first placing a piece of tape on the box, said means comprising a shuttle, means on said shuttle for gripping the end of a continuous piece of tape, means for moving said shuttle transversely of the machine, and means adjustable transversely of the machine for severing a predetermined length of said tape.

1,542,445. LOCKING-DEVICE CONTROL. EDWIN L. GRAUEL, Cincinnati, Ohio. Filed Nov. 4, 1922. Serial No. 599,068. 40 Claims. (Cl. 70—50.)



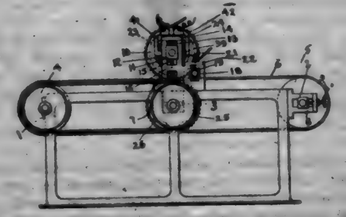
1. A lock control device comprising a member having two positions, an open position and one which is secured against tampering as by a lock, lock operating mechanism comprising two movable units, means for energizing one unit by moving the said member to open position and means for energizing the other by moving said member to secured position, both of said units requiring operation to effectuate a complete energization of the lock operating mechanism.

1,542,446. LOCKING DEVICE. EDWIN L. GRAUEL, Cincinnati, Ohio, assignor to The Graulock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 11, 1923. Serial No. 668,030. 4 Claims. (Cl. 151—25.)



1. In combination with a part having a threaded hole, a bolt threaded to match said hole, one of said members having a device therein adapted to jam the threaded engagement between the members upon revolution in one direction, and means for rendering said device ineffective upon an inversion of said members.

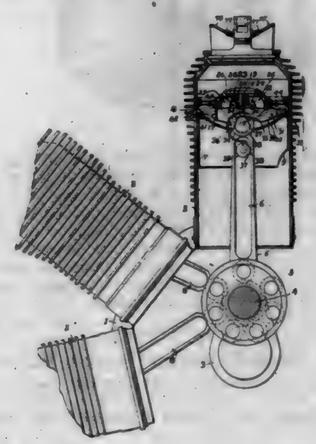
1,542,447. LEATHER-IRONING MACHINE. DANA E. HARDING, Danvers, Mass., assignor to Harding Engineering Company, East Boston, Mass., a Corporation of Massachusetts. Filed Apr. 11, 1922. Serial No. 551,731. 2 Claims. (Cl. 149—19.)



1. A leather ironing machine comprising an endless conveyer, a roll around which the conveyer passes and with which it makes contact, a hollow ironing roll arranged to bear on the work pieces carried by the con-

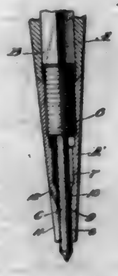
veyer directly opposite to the first named roll, and means for heating the ironing roll comprising a heating unit and a body of liquid enveloping said unit, in the hollow interior of said roll.

1,542,448. METHOD FOR TREATING ENGINE FUEL. WILLIAM HARPER, Jr., New York, N. Y., assignor to Skywing Aircraft Corporation, New York, N. Y., a Corporation of New York. Filed May 12, 1919. Serial No. 296,358. 9 Claims. (Cl. 123—47.)



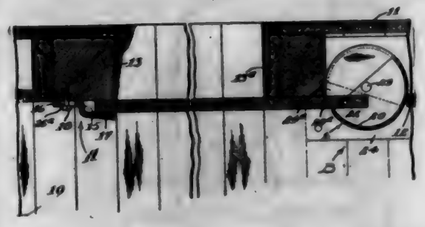
5. The method of separating fuel vapor from spray carrying lubricant material which consists in imparting centrifugal force to the mixture, and baffling the mixture by a movable element in such manner that the fuel is supplied for combustion and the condensed lubricant supplied to a wearing surface, the condensing being on a heated surface whereby volatile constituents are vaporized and mixed with the fuel vapor.

1,542,449. PENCIL. HUGO S. HASSELQUIST, Chicago, Ill., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed June 4, 1921. Serial No. 474,948. 1 Claim. (Cl. 120—91.)



In a pencil, the tip portion having an axial bore, the extremity of the tip portion being slitted to provide resilient sections, the bore at the slitted portion being slightly tapered in the absence of the lead and the slitted portion being adapted to be expanded by the insertion of a lead so that the bore at the slitted portion is substantially cylindrical and bears against the lead throughout substantially the entire area of the slitted portion.

1,542,450. CAR-DOOR HOLDING AND SEALING DEVICE. ARTHUR H. HAUGEN, Tintah, Minn. Filed June 28, 1924. Serial No. 721,620. 2 Claims. (Cl. 20—30.)

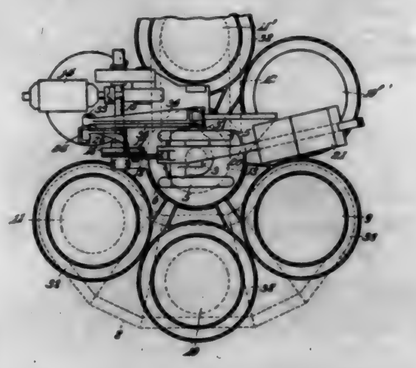


1. The combination with a car having a space between the lining thereof and an adjacent door post, of a door clamp and sealing guard comprising an upright semi-cylindrical shell axially mounted in said space and closely brushing the adjacent terminus of said lining, means for turning the shell, said shell, when turned into one position being adapted to encase the adjacent edge of the door and bear at one edge against the margin of said door for holding the door against said post, and, when turned to retracted position, to free the door, and releasable means for securing said shell against retraction.

1,542,451. PICKLING STEEL SHEETS. JOHN THOMAS HAY, Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y., a Corporation of New York. Filed Jan. 19, 1925. Serial No. 3,308. 10 Claims. (Cl. 148—8.)

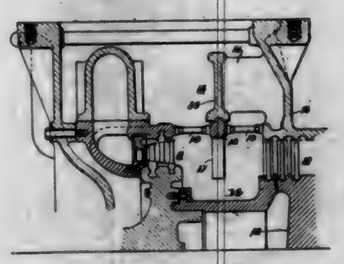
10. The method of pickling chrome steel sheets, which includes pickling the sheets in a solution containing 5% sulphuric and 2% hydrochloric acids, and then subjecting them to the action of 10% hydrochloric acid, then washing the sheets, and then subjecting them to the action of commercial nitric acid.

1,542,452. REVERSING MECHANISM FOR VALVES. OSSIAN HIVELY, Alliance, Ohio. Filed Sept. 10, 1924. Serial No. 736,944. 13 Claims. (Cl. 137—148.)



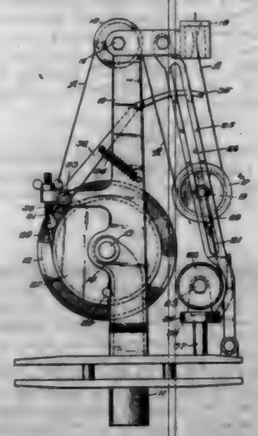
5. In combination with a rotary and vertically movable valve structure, a rotary shaft, means operated by the shaft to move the valve vertically, means to effect rotation of the valve structure including opposed parts, and means carried by the shaft for alternate engagement with said opposed parts to rotate the valve structure in opposite directions.

1,542,453. MARINE TURBINE. FRANCIS HODGKINSON, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 4, 1921. Serial No. 489,891. 5 Claims. (Cl. 253—70.)



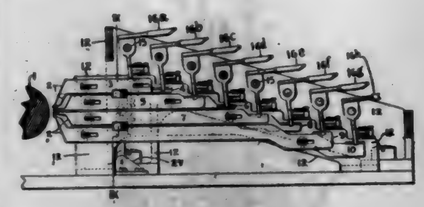
1. In a steam turbine having an ahead section and a reversing section with a common exhaust chamber, a deflector arranged within the chamber and between the sections and provided with blading whereby steam discharged from the ahead section and impinging upon the reversing section has its direction so changed as to assist in rotation of the rotor and which effectively prevents steam discharged from the reversing section from impinging upon the ahead section.

1,542,454. BRAIDING CARRIER. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich., a Corporation of Michigan. Filed May 26, 1923. Serial No. 641,613. 3 Claims. (Cl. 96—13.)



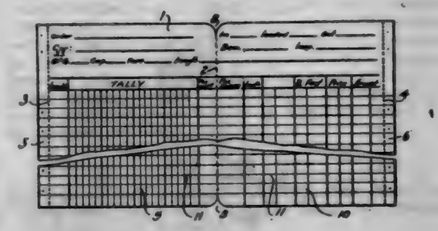
1. In a braider, a carrier for feeding wire and the like comprising a frame, a reel journalled in said frame, a brake operably connected to said reel, a sheave over which a loop of the wire runs, a spiral spring, a cylinder enclosing the same, a flexible member connecting said cylinder and sheave for retracting the latter, said sheave being movable to engage a part of said brake to release the same when the sheave is drawn against the action of its spring, and a spring for normally setting said brake release, said sheave being movable parallel to the wire leaving said sheave.

1,542,455. SHORTHAND MACHINE. EBENEZER HOWARD, Welwyn Garden City, England. Filed Aug. 13, 1923. Serial No. 657,179. 9 Claims. (Cl. 197—9.)



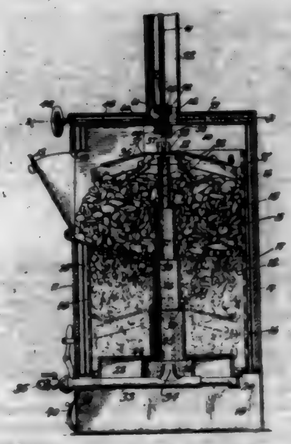
1. In a short-hand machine, the combination of a row of keys, a spindle rigidly fixed to the frame work of the machine on which such keys when depressed turn, a series of short arms and a series of connecting bars, each of said short arms being rigidly attached to one of said keys by a connecting bar, said connecting bars being of different lengths and disposed parallel with said spindle and being so arranged that though two or more of them may function in parts of the same circumferential area, yet any or all of them may be simultaneously set in motion by their appropriate keys and carried the necessary distances without colliding; a row of type bars placed below but occupying less width than the row of keys, each of said typebars having a notch, each of said short arms engaging with its appropriate notch so that on the depression of the keys singly or simultaneously a type bar or type bars will move forward to the platen and impress its or their characters on the paper.

1,542,456. BLANK-FORM BOOK. FRANK L. JOHNS, Tacoma, Wash. Filed Apr. 24, 1923. Serial No. 634,303. 1 Claim. (Cl. 283—63.)



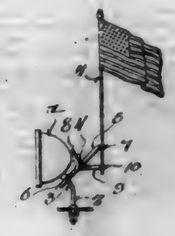
A blank form book comprising a pad of doubled sheets bound together at one edge to form a narrow book wherein each doubled sheet forms two pages with the creased line forming the outer edges of both pages, each page being perforated adjacent its bound inner edge, the upper one such page only being adapted to be used while bound in the book, said page being provided with horisontal lines and with spaces for the record of items taken one by one in promiscuous order, the second page of each such sheet being unusable while in the book but being adapted to be unfolded, only after both pages have been removed from the book, to form a continuous loose-leaf page with the first page, and having horisontal lines continuous with the horisontal lines of the first page and suitable spaces for the summarising of the items on the first page, line by line, and for the extension of such summarised items.

1,542,457. INCINERATOR. EDWARD KENNE, Jr., Buffalo, N. Y. Filed Feb. 13, 1924. Serial No. 692,508. 25 Claims. (Cl. 110—18.)



1. An incinerator comprising a combustion chamber adapted to receive the pile of refuse to be consumed, means for burning the pile of refuse from the top downwardly, and means for removing the ashes from the top of the pile.

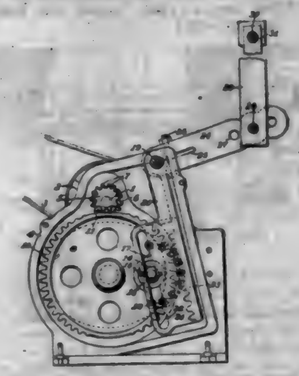
1,542,458. FLAG BRACKET. ALFRED W. KLUG, Milwaukee, Wis. Filed Aug. 9, 1924. Serial No. 731,006. 1 Claim. (Cl. 248—37.)



A device of the character described comprising an arm provided with forked members at its lower end for straddling the post of a lamp, a loop at its upper end, a hook projecting upwardly from said arm for engaging the socket of the lamp, a second arm carried by the first arm, and a loop carried by the free end of said second arm and cooperating with the first mentioned loop for holding the staff of a flag or other emblem.

1,542,459. OPERATING MEANS FOR PUMP JACKS. HENRY J. KUHLMAN, Colesburg, Iowa. Filed Nov. 5, 1923. Serial No. 672,881. 5 Claims. (Cl. 74—14.)

1. In combination, a rotatable body having a crank-pin thereon, a medially pivoted device having on one member a longitudinal rack and a longitudinal slot opposite thereto, and a rack-sector pivotally mounted on



said crank-pin and meshed with said rack, said crank-pin extending loosely into said slot.

1,542,460. METHOD OF MAKING AND USING ARCH-SUPPORTING INSOLES. ALFRED G. LACOE, Brockton, Mass. Filed Sept. 6, 1924. Serial No. 736,302. 6 Claims. (Cl. 36—76.)



2. The herein described method of forming arch supporting insoles which consists in permanently securing a strip of material to the bottom of the insole at points, adjacent the opposite ends of the shank, at a greater distance from one another measured along the insole than along said strip, and permanently securing said strip to said insole at one or more points intermediate said first named points.

1,542,461. LIFTING DEVICE FOR MOVABLE WEIRS AND THE LIKE. GEORG LÖBBE, Georgensgmund, Germany. Filed Apr. 11, 1922. Serial No. 551,746. 4 Claims. (Cl. 61—22.)

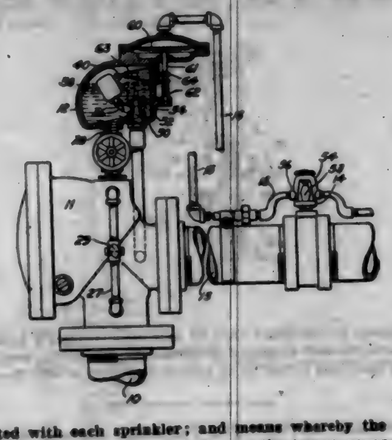


1. A lifting gear for weirs and the like, comprising in combination a screw-thread gearing composed of cooperating rotatable and non-rotatable members, means to rotate the rotatable members, a movable closing member, pliable motion-transmitting members connected at one end with the non-rotatable members of said screw-thread gearing, and at the other end with the said closing member, and guiding means for said pliable members.

1,542,462. SPRINKLER SYSTEM. ALBERT J. LOMBARDIER, Providence, R. I., assignor to General Fire Extinguisher Company, a Corporation of New York. Filed Oct. 14, 1922. Serial No. 594,473. 31 Claims. (Cl. 169—20.)

1. A fire extinguisher sprinkler system comprising distribution piping having jet discharging sprinklers with

thermally responsive discharge control means, a supply valve adapted to be opened automatically; a target asso-
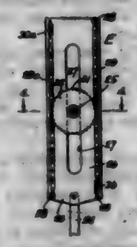


ciated with each sprinkler; and means whereby the impact of a jet from the sprinkler on the target opens the supply valve.

1,542,463. INTERNAL-COMBUSTION ENGINE. WALTER H. LYBERMAN, Los Angeles, Calif., and GUY A. AMIDON, Brighton, Colo. Filed Aug. 2, 1922. Serial No. 579,805. 2 Claims. (Cl. 123—74.)



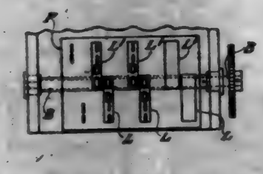
1. An internal combustion engine comprising a cylinder having a combustion chamber in one end thereof, a reciprocating piston within the cylinder, a second piston forming with the first piston a primary compression chamber, an unobstructed longitudinal elongated by pass in the cylinder at one side thereof, an opening throughout its entire length into the interior of the cylinder, and situated approximately intermediate the ends of the reciprocating piston when the same is on upper dead center, said cylinder having an exhaust port in the wall opposite the by pass, and also having an intake port therein slightly below the exhaust port, said reciprocating piston having a relatively long skirt which extends below the by pass and inlet port when said piston is arranged at upper dead center, said piston skirt having a port in its upper end on the by pass side of the cylinder and also having an inlet port adjacent its lower end and on the exhaust side of the cylinder, said inlet port of the piston being in alignment with the inlet port of the cylinder when the reciprocating piston is arranged at upper dead center, and said port communicating while the reciprocating piston is arranged in proximity to upper dead center position.

1,542,464. WAVE MOTOR. ISAAC M. MCNEIL, Venice, Calif. Filed Mar. 1, 1924. Serial No. 696,859. 8 Claims. (Cl. 74—54.)



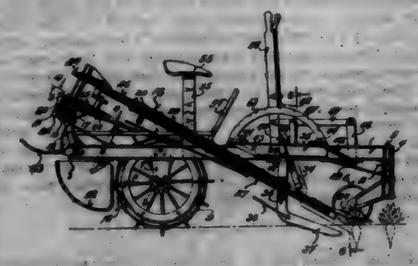
2. In combination, a pivoted arm, a shaft, a ratchet wheel fixed to the shaft, a member mounted for reciprocating movement on the shaft and operatively connected to the arm, and yieldingly supported chains mounted on the members to alternately engage the ratchet wheel when the member is reciprocated to effect undirectional rotation of the wheel.

1,542,465. INDICATOR APPARATUS. CHARLES DALRYMPLE MACGILL, Glasgow, Scotland, assignor to Barr and Stroud, Limited, Glasgow, Scotland. Filed Aug. 16, 1921. Serial No. 492,800. 2 Claims. (Cl. 235—1.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



2. Indicator apparatus comprising a casing, a longitudinal window in the casing, a direct driven member, a gear driven member, a shutter, two groups of transverse apertures in the shutter, carry-over gear for operating the gear driven member and the shutter, two transverse strips of numeral markings on the surface of the gear driven member, each of the markings consisting of numerals arranged consecutively in duplicate pairs, for the purposes set forth.

1,542,466. BEET HARVESTER. WILLIAM MAY, Belgium, Wis. Filed Mar. 1, 1924. Serial No. 696,289. 6 Claims. (Cl. 55—108.)



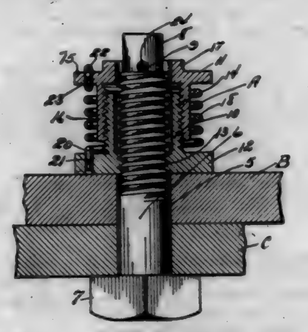
1. A beet harvesting machine comprising a main frame supported by wheels, a cradle having parallel motion with reference to said frame and adapted to be

raised and lowered, beet diggers carried by said cradle, beet elevating mechanism pivoted to the rear portion of said frame and extending downwardly and forwardly to a point adjacent said beet diggers, and means carried by said cradle for adjusting the elevating means relatively to said diggers.

2. A beet harvester comprising side frames supported by wheels, a cradle movable with reference to said side frame, beet diggers carried by said cradle, beet elevating means pivoted rearwardly of said frame, and top cutting means carried by said elevating means, and movable therewith.

5. A beet harvester comprising a main frame, beet diggers supported therefrom, beet elevating mechanism extending upwardly from adjacent said diggers and having a pair of beet top engaging chains having parallel adjacent working stretches, a plurality of wholly independent bars positioned upon the outer side of each of such working stretches and bearing inwardly, a plurality of U-shaped guides for said bars, springs mounted between a portion of said guides and the ends of said bars, said guides having inwardly projecting ledges for supporting the working stretches of said chains.

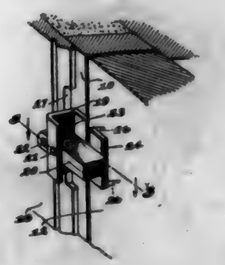
1,542,467. SELF-TIGHTENING BOLT. MATHEW M. MORATTA, Princeton, Ind. Filed Mar. 10, 1924. Serial No. 698,292. 1 Claim. (Cl. 85—32.)



In a self-tightening nut and bolt, the combination with a bolt including a threaded shank having a diametrically extending opening therethrough adjacent to the outer end thereof, a nut including an inner nipple section having a body portion threaded upon the shank of the bolt and a sleeve provided with external threads, an outer nut barrel section including a body portion and an internally threaded barrel portion arranged to engage the threads of the sleeve portion of the inner nipple nut section, a castellated head formed on the body portion of the outer barrel section, a coil spring coiled about the nut sections and between the body portions thereof, means for anchoring the inner end of the spring to the body portion of the inner nipple nut section, the body portion of the outer barrel nut section having an inclined notch therein, a hook formed on the outer end of the spring arranged to detachably engage in said notch, and a cotter pin arranged to extend through the opening in the shank of the bolt to engage with the castellated head of the outer barrel nut section.

1,542,468. DOOR BOLT. WILLIAM A. MUELLER, Washington, D. C. Filed Aug. 22, 1924. Serial No. 733,606. 5 Claims. (Cl. 292—67.)

1. A locking device in combination with a door frame and door, comprising a U-shaped portion, a plate attached to the outer end of one leg of said U-shaped portion, and extending at right angles therefrom, said plate



secured to the inner face of said door frame, a bolt received in said U-shaped portion, and means for supporting said bolt either in or out of the path of said door.

1,542,469. AUTOMOBILE FENDER. BERNARD NELSON, Chicago, Ill. Filed Dec. 3, 1924. Serial No. 753,635. 8 Claims. (Cl. 280—153.)



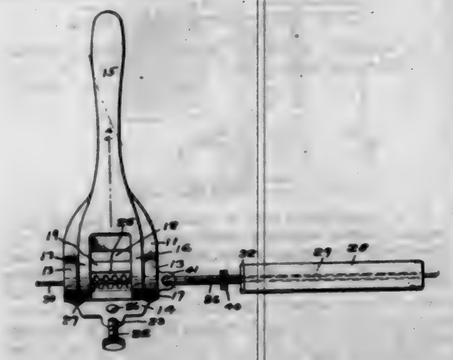
1. An automobile fender comprising a plurality of assembled successive sections, each section having its lateral edges reinforced by open-ended members at which successive sections are separably joined together.

1,542,470. COMBINATION FRUIT TOOL. CARL C. NORDQUIST, Menominee, Mich. Filed Nov. 15, 1924. Serial No. 750,099. 7 Claims. (Cl. 146—3.)



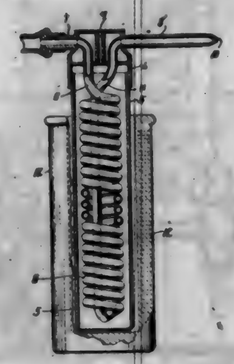
1. A fruit tool comprising a body portion, a handle secured thereto, a plurality of levers pivotally carried by said body portion and having gripping jaws, springs urging said jaws towards each other, and means for opening said jaws.

1,542,471. SAW SET. EDWARD NUSSELE, Denver, Colo., assignor of one-half to Augustus F. Klasing, Denver, Colo. Filed Aug. 7, 1924. Serial No. 730,682. 8 Claims. (Cl. 76—61.)



1. A saw-set comprising a pair of handles which are directly pivotally connected and carry laterally extending jaws having recesses, plates reversibly mounted within the recesses and having setting teeth at their opposite ends, and means to prevent the saw-set from slipping upon the saw.

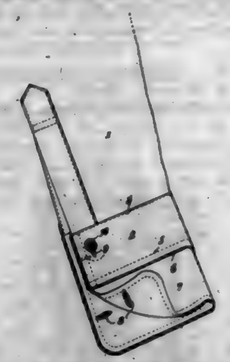
1,542,472. WARM-AIR SYRINGE. THOMAS F. O'NEILL, New Haven, Conn., and RAYMOND J. MILLER, New York, N. Y. Filed Nov. 25, 1924. Serial No. 752,103. 2 Claims. (Cl. 128—257.)



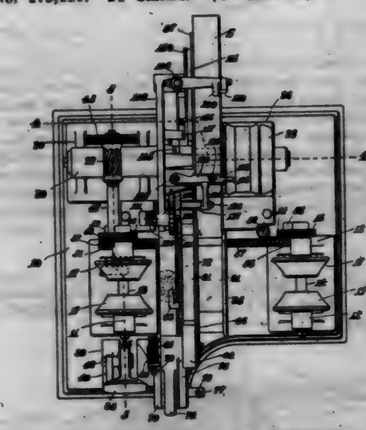
1. A warm-air syringe, comprising a tubular casing adapted to be entered into an electric heater, said casing provided with a removable head, said head provided with inlet- and outlet-nipples, a coil within said casing, one end of the coil connected with the inlet-nipple, and the other end of the coil connected with the outlet-nipple.

1,542,473. COMBINATION CUFF. RUDOLF B. PIHLSON, Quincy, Ill. Filed Jan. 23, 1924. Serial No. 687,977. 2 Claims. (Cl. 2—123.)

1. In a combination shirt cuff, a straight cuff section, and a cuff extension foldable upon a line inwardly of and close to the outer edge of the straight cuff for giving either a straight or French cuff effect and the connection between the straight cuff and extension being spaced inwardly of and close to the outer edge of the straight cuff and at the inner side of the straight cuff.

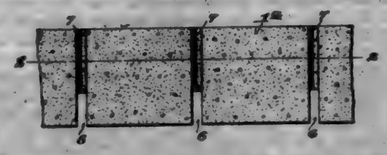


1,542,474. WRAPPING MACHINE. GEORGE W. PROUTY, Milton, Mass. Filed June 21, 1921. Serial No. 479,410. 14 Claims. (Cl. 242—6.)



1. In a wrapping machine, in combination, mechanism for feeding a strip of wrapping material to the work and wrapping the same thereabout, means for relatively traversing the work and wrapping mechanism as the wrapping progresses, and means controlled by the wrapping operation of said wrapping mechanism for cutting said strip.

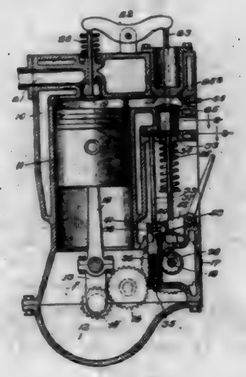
1,542,475. SHINGLE AND METHOD OF MAKING. ROYCE A. RUSSE, Washington, D. C., assignor to The Ruberoid Co., a Corporation of New Jersey. Filed Dec. 14, 1922. Serial No. 606,860. 5 Claims. (Cl. 108—8.)



5. In a folding strip shingle, a flexible base having spaced cuts formed in one side edge and with the inner ends of the cuts spaced from the opposite side edge, a

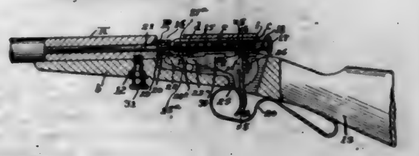
coating of crushed mineral matter affixed to the base, and indentations formed in the mineral matter in the parts thereof alined with the cuts to provide hinging means.

1,542,476. INTERNAL-COMBUSTION ENGINE. CHARLES E. SARGENT, Clinton, Iowa. Filed Nov. 15, 1922. Serial No. 601,080. 1 Claim. (Cl. 123—79.)



In an internal combustion engine, a combustion chamber, an inlet passage and an outlet passage leading thereto, inlet and outlet valves controlling said passages, an air passage and a mixture passage leading to said inlet passage, a distributing valve controlling the air and mixture passages, a cam shaft, a pair of spiral gears for driving said rotary valve from said cam shaft, and means for moving one of said gears axially to shift the timing of said rotary valve with respect to the timing of the inlet valve.

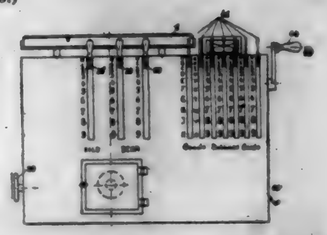
1,542,477. FIREARM. ARTHUR J. SAVAGE, San Diego, Calif. Filed Sept. 10, 1919. Serial No. 322,903. 9 Claims. (Cl. 42—16.)



1. In a fire arm, the combination, with a barrel provided with a rearward extension, a breech bolt movably mounted in the barrel extension, a pivoted spring-pressed trigger, and a sear provided with a beveled shoulder and operatively associated with the trigger to be lifted in the path of the exploded shell, and a shoulder on the trigger formed and disposed in position to limit a rearward movement of the breech bolt.

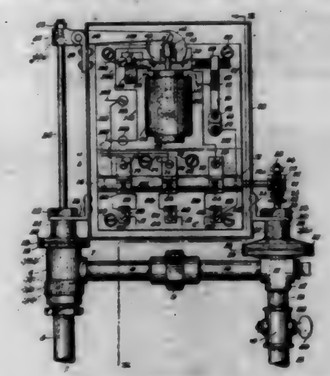
2. In a firm arm, the combination with a barrel; of a reciprocating breech bolt, a trigger, a pivoted sear operated by the trigger, a firing pin mounted to reciprocate in the breech bolt, the sear being disposed in position to engage with the firing pin to hold it in retracted position, and means upon the trigger cooperating with the breech bolt to hold it locked against rotation when the sear is engaged with the firing pin; the breech bolt being released from such locked condition by actuation of the sear due to the movement of the sear by the firing movement of the trigger.

1,542,478. SALES-CONTROL APPARATUS. KORNELIUS SCHIMMEL, Vienna-Atzgersdorf, Austria, and RUDOLF JOKISCH, Prague-Karolinenthal, Czechoslovakia. Filed Aug. 9, 1921. Serial No. 490,844. 12 Claims. (Cl. 265—6.)



1. In combination with a closed casing having slots and a steelyard weighing mechanism in said casing provided with travelling poises and means for adjusting the same, a weight registering device, a pivoted setting lever extending through one of said slots in the said casing and operatively connected with the said adjusting means and the said weight-registering device so as to operate the same upon each adjustment, indicating devices for indicating and registering respectively the kinds and prices of the goods sold, additional pivoted setting levers on the same shaft with said first mentioned setting lever and also extending through others of said slots in the said casing, and means operatively connecting the said additional setting levers with the said registering devices.

1,542,479. AUTOMATIC CONTROL FOR REFRIGERATING MACHINES. CHARLES SCHWEMLE, Milwaukee, Wis., assignor to Refrigo Corporation, Milwaukee, Wis., a Corporation of Wisconsin. Filed May 29, 1924. Serial No. 716,811. 8 Claims. (Cl. 62—4.)



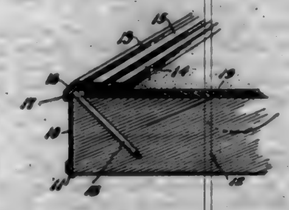
2. In a refrigerating apparatus, the combination with a water circulating system for a compressor and an electric wiring system for a compressor motor, of a valve normally seated by water pressure for controlling the flow of water through the circulating system, a lever operatively connected to said valve, a solenoid coil, a movable core for said solenoid engaging said lever for unseating said valve when the coil is energized, a circuit for the solenoid coil, thermostatic means for closing the circuit to the solenoid coil, a pivoted pawl for engaging said core to hold said valve unseated, means connected to hold said valve unseated, means connected to said pawl for normally retaining it in a position for engaging said core, a magnet for moving the pawl out of engagement with said core for permitting said valve to seat, a circuit for said magnet, thermostatic means for closing the circuit to said magnets, a switch for controlling the flow of current through the electric wiring system, a water pressure operated diaphragm in the circulating system, and means for connecting the switch to said diaphragm whereby the latter will close the said switch when the valve is unseated and will open said switch when the valve is seated.

1,542,480. PIPE THIMBLE. EMMA Y. SCRUGGS, Hahira, Ga. Filed Feb. 16, 1925. Serial No. 9,581. 2 Claims. (Cl. 126—314.)



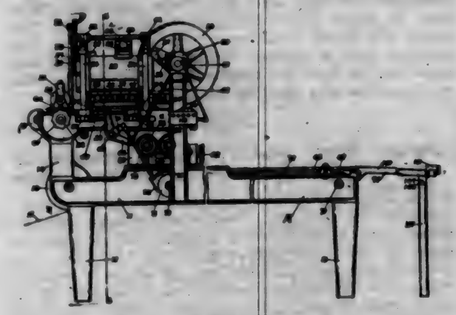
2. A pipe thimble consisting of a rectangular casing open at one end and having apertured sides, and a tapering tubular extension at its opposite end.

1,542,481. EDGE MOLDING. WALTER J. SPIRO, White Plains, N. Y. Filed Apr. 23, 1924. Serial No. 708,447. 10 Claims. (Cl. 20—74.)



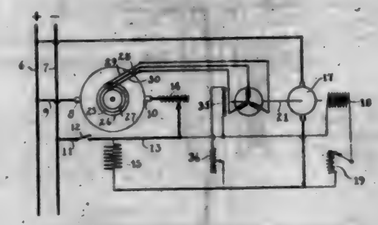
1. An edge molding adapted to embrace faces at an angle to eath other and provided upon its inner face at its vertex with means for retaining a concealed fastening device thereon.

1,542,482. BOTTLE-CAP PRINTING AND MAKING MACHINE. JOHN STASZAK and FRANK SZTUKOWSKI, Cudahy, Wis. Filed Dec. 29, 1923. Serial No. 683,425. 10 Claims. (Cl. 91—13.)



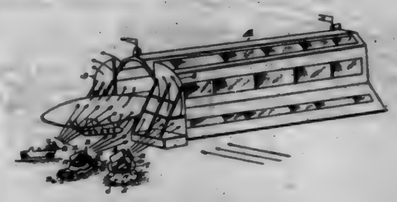
1. A machine of the character described, comprising a stand, a deck supported above the stand at one end thereof and having a printing bed, guides rising from the deck, a cross-head movably mounted between the guides, electrotype holders on the cross-head, detachable electrotypes on the holders, an ink spreading plate above the bed and through which move the electrotypes, inking mechanism movable over the plate, means for feeding cardboard over the bed, guides on the stand and deck for the cardboard, means for cutting the cardboard into disk forms at the printed areas thereof, means for actuating the cross-head, and mechanism for coating the disks with a waterproofing substance.

1,542,483. MOTOR-CONTROL SYSTEM. LEIGH J. STEPHENSON, Oakmont, Pa., assignor to B. V. Becker, Leigh J. Stephenson, George B. Burrage, William T. Fenton, and Lynn A. Williams, trustees, all of Chicago, Ill. Filed Feb. 20, 1920, Serial No. 360,132. Renewed Oct. 4, 1924. 6 Claims. (Cl. 171—225.)



6. The combination with a motor having an alternating current end and a direct current end and a field winding for the direct current end of said motor, of a second motor of smaller capacity than said first named motor connected in series with said field winding, the said second motor being a direct current motor and means for causing said second motor to operate at a speed substantially constantly proportional to the speed of said first named motor, comprising an alternating current generator driven by said second motor and supplying current to the alternating current end of said first named motor.

1,542,484. AIRCRAFT-HOUSING DEVICE. A. LEO STEVENS, Belleville, Ill. Filed Jan. 25, 1924. Serial No. 688,461. 8 Claims. (Cl. 244—2.)

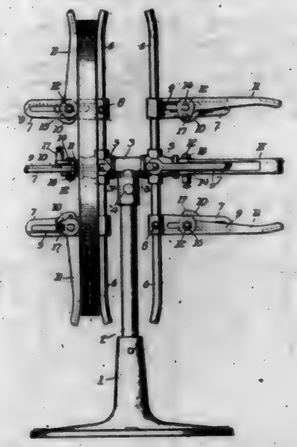


1. Means for assisting in the housing of aircraft under adverse wind conditions, said means comprising means for inducing a flow of air upwind of said adverse wind flow, and means for adjusting said second named means around a vertical axis.

1,542,485. SUPPLY REEL FOR FEEDING COILED WIRE AND LIKE FLEXIBLE STRIP MATERIAL. WALTER N. STEVENSON, Evanston, Ill., assignor of one-half to Edwin V. Swangren, Maywood, Ill. Filed June 10, 1922. Serial No. 568,308. 8 Claims. (Cl. 242—14.)

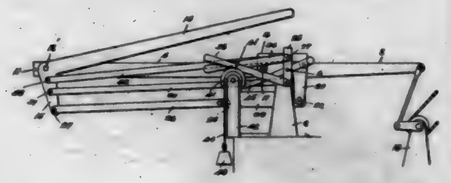
1. A supply reel for supporting and feeding out coils of flexible material including a plurality of rotatably

mounted reel arms, coil-supporting cross arms mounted on said reel arms and perpendicular thereto, blocks lon-



gitudinally adjustable on said cross arms and arranged to be secured thereto, and keeper arms pivotally mounted on said blocks.

1,542,486. MECHANICAL MOVEMENT. WILLIAM E. WHITE, Clifton Forge, Va. Filed Sept. 3, 1924. Serial No. 735,639. 3 Claims. (Cl. 74—54.)



1. In a device of the class described, an auxiliary lever fulcrumed intermediate its ends, a main lever fulcrumed at one end between the fulcrum of the auxiliary lever and one end of the auxiliary lever, a pivotal connection between the intermediate portion of the main lever and said end of the auxiliary lever, means for applying power to the other end of the main lever, a bell crank lever fulcrumed on the other end of the auxiliary lever and including a weight arm overhanging the auxiliary lever, the bell crank lever comprising a short arm, a ratchet wheel supported for rotation, a pawl coacting with the ratchet wheel, a swinging arm whereunto the pawl is connected, means for connecting the swinging arm to the short arm of the bell crank lever, and means for swinging the bell crank lever from the main and auxiliary levers.

1,542,487. TENSION DEVICE. JOHN D. BEATTY, Ivanhoe, N. C. Filed Oct. 5, 1923. Serial No. 666,769. 5 Claims. (Cl. 267—73.)

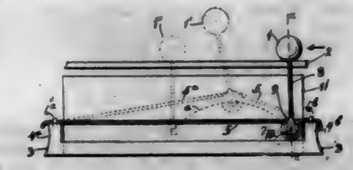


1. A device of the class described, comprising relatively movable members, each of which has a pulley journaled therein, and a resilient loop engaged with the pulleys, each of said members comprising separable parts permitting the loop to be removed and renewed.

1,542,488. PROCESS FOR THE MANUFACTURE OF SULPHURIC ACID BY THE CONTACT PROCESS. OSBORNE BENJAMIN, Woburn, Mass., assignor to Merrimac Chemical Company, Woburn, Mass., a Corporation of Massachusetts. Filed Sept. 24, 1923. Serial No. 664,557. 6 Claims. (Cl. 23—176.)

1. In processes for the manufacture of sulphuric acid by the contact process, the step which consists in passing steam from a source of supply into heat transfer relation to relatively hotter sulphurous gases and returning the resulting superheated steam to said source of supply.

1,542,489. GOLF-PRACTICING APPARATUS. HENRY R. CREVER, St. Augustine, Fla. Filed Feb. 20, 1922. Serial No. 537,911. 4 Claims. (Cl. 273—35.)



1. In apparatus described fixed points horizontally distanced from each other, a curvable guide, adapted to vary its length under varying stresses, extending from one of said points to the other, and a projectile in combination with a member adapted to slide along said guide and to vary the length and outline of the same in the course of a flight of the projectile.

1,542,490. LINK. HORACE O. CLARK, Waukegan, Ill. Filed July 19, 1923. Serial No. 652,612. 1 Claim. (Cl. 59—91.)



A link of the class described comprising a body having overhanging arms of like outline, there being an inwardly projecting rib along the inner edge of the body, the rib having a straight and continuous longitudinal edge, the ends of the arms overhanging said longitudinal edge of the rib and being spaced apart to define an entering throat extended unbrokenly between the arms, there being openings located partly in the body and partly in the arms, the openings forming lugs at the ends of the arms, the lugs projecting inwardly toward said longitudinal edge of the rib, the openings forming notches in the inner edges of the arms, the arms being wider at the lugs than at the notches, the link being widest across the rib, and the arms tapering to the lugs, thereby to render the arms bendable at the notches to decrease the space between the lugs and said longitudinal edge of the rib, and the rib being of such length and shape as to reinforce the body against bending when the arms are bent as aforesaid.

1,542,491. LIQUID-FUEL BURNER. WILHELM CLASEN, Berlin, Germany, assignor to Richard Kahn Aktiengesellschaft, Berlin, Germany, a Corporation of Germany. Filed Sept. 24, 1923. Serial No. 664,572. 5 Claims. (Cl. 158—108.)



1. A burner, comprising in combination, a fuel pipe nipple, a cup-shaped part surrounding the nipple, an injector tube projecting into said cup-shaped part, a second cup-shaped part closed at its upper side and arranged above the first cup-shaped part and said injector tube respectively, the second cup-shaped part being arranged to form a mixing chamber into which the injector tube directly discharges and provided with lateral burner openings in the side wall, and air ducts between said cup-shaped parts, leading the outer air to the intake end of the injector tube.

1,542,492. INTERLOCKING MEANS FOR USE IN THE CONSTRUCTION OF CONCRETE REENFORCEMENT FRAMES AND OTHER ANALOGOUS PURPOSES. GEORGE EDWARD CLUETT, Epsom, Auckland, New Zealand. Filed Feb. 27, 1924. Serial No. 695,493. 1 Claim. (Cl. 287—50.)



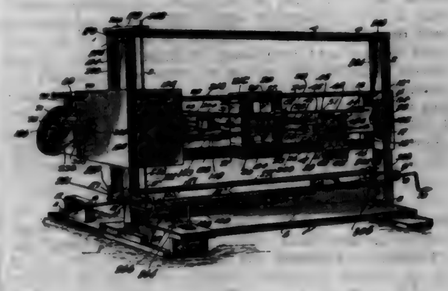
An interlock for fastening together the members of concrete reenforcements and analogous constructions, comprising a clip consisting of an elongated, open, spring metal link bent into double loop form with its loops arranged at angles to each other and adapted to straddle the respective members to be fastened; and a key laid across within one loop and formed of such cross-sectional shape as to have intersecting major and minor axes of different lengths, whereby said key may be given a quarter-turn about its longitudinal axis so as to bring its major cross-sectional axis into the line of the clip length and thus tighten the loops upon said members; said link having its ends loose and overlapping, so that it will be capable of springing out to permit the turning of the key and then retaining the key in turned position by its resilience.

1,542,493. COTTER PIN. JAMES R. COLEMAN, Washington, D. C. Filed July 22, 1924. Serial No. 727,462. 6 Claims. (Cl. 74—8.)



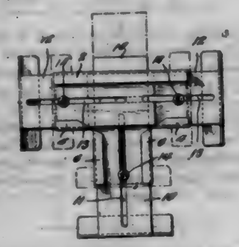
1. A device of the character described comprising a shank, and a split band joined intermediate its ends to one end of said shank, the ends of said band having bifurcations engaging said shank.

1,542,494. AUTOMATIC POWER-OPERATED PNEUMATIC SURFACER. LEON L. COLLINS, Pleasantville, N. J. Filed Sept. 26, 1922. Serial No. 590,619. 26 Claims. (Cl. 125—8.)



1. In a device of the character stated, supporting carrier bars, a supporting head secured to said bars, a tool carriage pivotally mounted on said supporting head, a plurality of pneumatic hammers mounted in said tool carriage, a plurality of stone working implements mounted therein, and means for manually rotating said implements in unison with respect to said tool carriage.

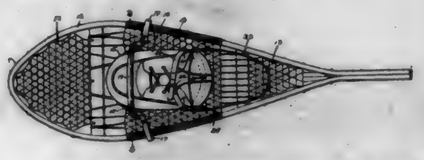
1,542,495. ADJUSTABLE RACK. WALTER R. EBERT, Milwaukee, Wis., assignor, by direct and mesne assignments, to Adjustable Rack Company, a Corporation of Wisconsin. Filed Nov. 16, 1923. Serial No. 675,190. 1 Claim. (Cl. 45—1.)



An adjustable rack comprising a base having arms and a leg, the arms being provided with opposite horizontal guide flanges, and the leg being provided with opposite vertical guide flanges, all of the flanges lying on the same side of said base; a sheet supporting arm slidably mounted between the vertical flanges of the leg of the

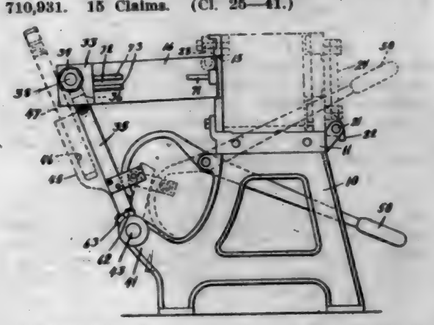
base, said sheet supporting arm carrying means for holding an article and means for locking the arm in adjusted vertical position; and laterally extending sheet retaining arms slidably mounted in the horizontal flanges, said sheet retaining arms carrying means for retaining said article and means for locking said arms in adjusted horizontal position.

1,542,496. SNOWSHOE. JOSEPH F. FOSTER, Jackman, Me. Filed Nov. 12, 1923. Serial No. 674,217. 2 Claims. (Cl. 208—184.)



1. A snow shoe having a heelless foot pocket bearing on a portion of the open mesh tread or filling of the shoe, said pocket being formed to receive the fore part of a foot and provided with strap guides at opposite sides of its toe portion, and a confining strap extending across the toe portion of the pocket and slidable lengthwise in said guides, said strap having free end portions each threaded through a plurality of meshes of the said tread portion and frictionally engaged with the thongs thereof to adjustably anchor the strap ends, so that the midlength portion of the strap constitutes an arched loop of variable length which cooperates with said guides in confining the pocket against objectionable endwise and sidewise displacement, and in permitting the rear portion of the pocket to rise variably from the tread portion.

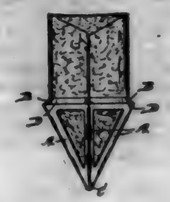
1,542,497. BLOCK-MAKING MACHINE. MAX FREEDMAN, Chelsea, Mass. Filed May 3, 1924. Serial No. 710,931. 15 Claims. (Cl. 25—41.)



1. A block making machine including a mold box having a rigid back-plate formed with a pair of horizontally-aligned core-receiving apertures therein, cores slidable in said apertures, an operating lever having means to support its lower end pivotally and having horizontally-spaced ears at its upper end disposed between the outer ends of said cores, said cores and ears having aligned apertures therethrough, and a bolt loosely passed removably through said aligned apertures, thereby directly connecting said cores and lever.

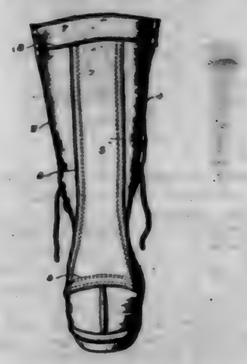
1,542,498. METAL SHOE FOR CONCRETE AND OTHER PILES. LUPTON GARDINER, Mongonui, North Auckland, New Zealand. Filed Mar. 7, 1924. Serial No. 697,554. 1 Claim. (Cl. 61—78.)

A one-piece metal shoe for concrete and other piles, comprising a top frame, a central point, and metal side strips tapering downward from the frame to said point; said frame being shaped to form a continuous rim which projects outward beyond the surface of the pile for which the shoe is made, the upper surface of the rim



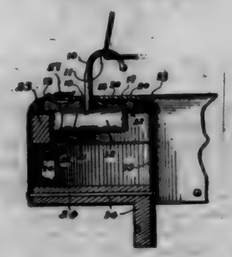
curving inward to the pile surface while the lower side of the rim is made uniformly flat with the taper of the side strips.

1,542,499. BOOT AND SHOE CONSTRUCTION. JOSEPH GARGAN, Peabody, Mass. Filed Apr. 15, 1924. Serial No. 706,763. 2 Claims. (Cl. 36—45.)



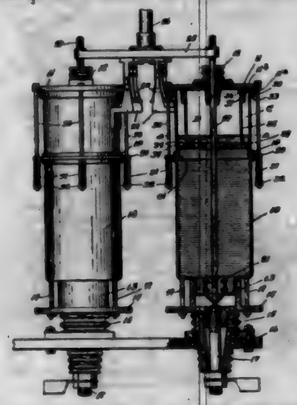
1. A shoe structure comprising a vamp, and an upper formed of a plurality of sections, each of substantially equal width, said sections being permanently secured to each other at points removed from the central back portion of the upper.

1,542,500. SELF-LUBRICATING TEXTILE RING. SAMUEL SEAVEY GORDON, Providence, R. I. Filed Mar. 8, 1924. Serial No. 697,843. 3 Claims. (Cl. 118—59.)



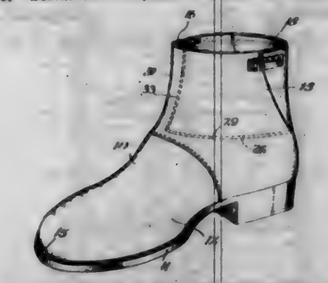
1. In a device of the character described, a traveller, a ring having a guiding surface to engage the traveller, said ring including a reservoir for liquid lubricant, a capillary lubricant duct forming communication between said reservoir and guiding surface and being inclined in the direction of movement of the traveller.

1,542,501. CIRCUIT INTERRUPTER. AUSTIN EDWIN GREENE, Medford Hillside, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, a Corporation of Massachusetts. Filed July 10, 1922. Serial No. 573,803. 27 Claims. (Cl. 200—150.)



1. An oil receptacle for an electric switch constructed and arranged to provide a lower oil-containing compartment and an upper oil-catching compartment both arranged for intercommunication at the upper portions thereof, said oil-catching compartment having a bottom normally sealed against passage of gas therethrough.

1,542,502. SHOE FOR FOUNDRYMEN AND THE LIKE. RUSSELL H. GUERRANT, Chicago, Ill. Filed Oct. 18, 1920. Serial No. 417,832. 10 Claims. (Cl. 36—50.)



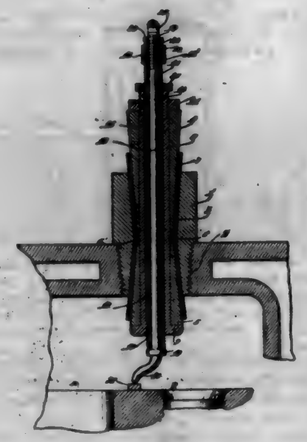
1. A shoe having an upper divided at the rear, and a connecting piece seamed to the inner side of one of the rear edges of said upper and to the outer side of the opposite edge, the adjacent portion of the divided upper being adapted to be overlapped with said connecting piece therebetween and with only a single seam on the inside of the shoe.

1,542,503. MEAT HOOK. CHRISTIAN HAIBLE, Post Falls, Idaho. Filed Oct. 20, 1924. Serial No. 744,692. 3 Claims. (Cl. 294—26.)



1. The combination with a hook and its shank having a threaded portion and a handle on the shank, of a plate loose on the shank and a finger piece on said plate, and means for rigidly securing said plate in relation to the handle.

1,542,504. SPARK PLUG. WILLIAM A. HEIDE, Detroit, Mich. Filed Jan. 29, 1923. Serial No. 615,727. 3 Claims. (Cl. 123—169.)



1. A spark plug including a shell, opposed tapered plugs therein, a tubular tie bolt extending through the plugs and constituting means for adjusting the plugs toward each other, a tubular core adjustable longitudinally within the tie bolt and having a longitudinal groove extending to one end thereof, an electrode mounted for rotation within the core, a collar on the electrode bearing against the core, an offset terminal on the electrode, and means engaging the electrode and core for holding the electrode against movement relative to the core.

1,542,505. GOLF TEE. GEORGE R. JACOBUS, Hawthorne, N. J. Filed Aug. 6, 1924. Serial No. 730,362. 4 Claims. (Cl. 273—33.)

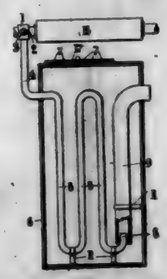


1. A golf tee comprising a stem having a conically tapering point, a cylindrical body, an inset conical upper portion, and a head having a concave upper surface suited to receive a golf ball, said head being tight fitted to the upper portion of the stem.

1,542,506. HEATING DEVICE. ADRIAN DENMAN JONES, Chagford, England. Filed June 2, 1924. Serial No. 717,888. 2 Claims. (Cl. 257—136.)

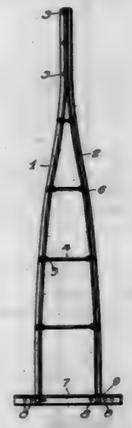
1. A heating device using exhaust gases of internal combustion engines comprising a chamber, a conduit in said chamber and connected to the source of supply of exhaust gases, and a pipe leading from said chamber,

the end of the conduit projecting into the end of said pipe, the chamber having air inlet holes therein, the arrangement being such that the passage of exhaust gases



from the conduit into the pipe create a pressure below atmospheric pressure thus causing air to be drawn through the air inlet holes, and over the conduit.

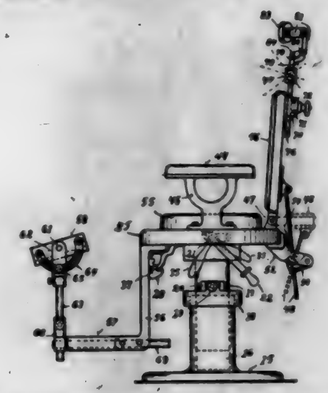
1,542,507. ADJUSTABLE LINE POLE. MARTIN WILSON KEARNEY, Sheridan, Wyo. Filed Oct. 1, 1923. Serial No. 666,038. 1 Claim. (Cl. 189—24.)



A pole comprising complemental metal bars having the upper portions thereof arranged adjacent each other and joined, the lower portions of said bars diverging, struts having their opposite portions screw-threaded varying in length corresponding to the spacing of the divergent portions of said bars, arranged between the same and engaged in openings formed in the adjacent portions of such bars, locking nuts engaged with said screw-threaded portions of the struts and bearing upon adjacent portions of the opposite sides of the divergent portions of the bars, and a bracing arm having several series of spaced longitudinally disposed openings formed therein adapted to have adjustable connection with the lower extremities of said first bars.

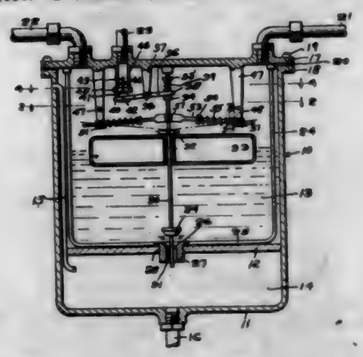
1,542,508. CHAIR. FREDERICK KOENIGKRAMER, Cincinnati, Ohio. Filed Aug. 2, 1922. Serial No. 579,195. 7 Claims. (Cl. 155—26.)

1. A chair comprising a base provided with a cylinder, a vertically adjustable hydraulic plunger mounted in said cylinder and serving as a chair pedestal, an axle journaled to the upper end of said plunger serving as a pump shaft and provided with a hand lever operable to actuate a hydraulic pump within said plunger to raise and lower said plunger, a chair seat member comprising a seat, back, and foot-rest, pivotally mounted upon and above said axle, a vertically disposed toothed segment carried by said seat member, a latch bar carried by said pedestal and yieldingly actuated to normally engage one of the



teeth of said segment, a hand lever adapted to retract said latch bar when it is desired to adjust said seat member upon said axle, and resilient means to limit the movement of said chair seat member relative to said plunger at opposite extremities of its movement.

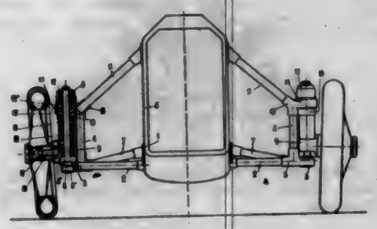
1,542,509. VACUUM-FEED DEVICE. ALBERT KUENY, Danbury, Iowa. Filed Aug. 6, 1924. Serial No. 730,486. 4 Claims. (Cl. 103—236.)



1. A vacuum feed device comprising, a tank having separate receiving and discharge chambers, an outlet pipe connected with the discharge chamber to lead to the float chamber of a carburetor, a liquid fuel supply pipe leading into the receiving chamber, a suction pipe leading into the receiving chamber and adapted for connection with the suction side of an internal combustion engine, an air inlet leading into the receiving chamber, a valve controlling communication between the receiving chamber and the discharge chamber, a valve to cover and uncover the air inlet, a substantially vertical rod carrying the first named valve and arranged within the receiving chamber, a float mounted upon the substantially vertical rod to move longitudinally thereof and adapted to contact with the valve carried by the rod to shift the rod downwardly, a stop mounted upon the rod and to engage with the float when the same reaches the end of its upward travel whereby the float shifts the rod upwardly, means whereby the second named valve is shifted by the movement of the rod, supports arranged within

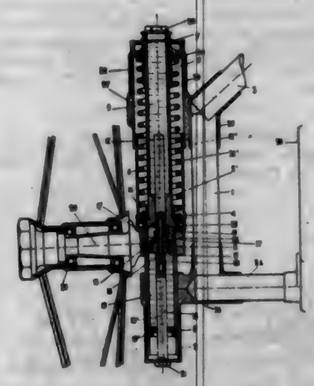
the receiving chamber and attached to a part thereof and being free from connection with the float, locking rods pivotally connected at their inner ends with the valve rod and slidably engaging the supports, and yielding means to oppose the swinging movement of the locking rods and serving to hold the same in positions above or below dead center when shifted thereto.

1,542,510. MOTOR CAR. VINCENZO LANCIA, Turin, Italy. Filed Dec. 5, 1922. Serial No. 605,103. 14 Claims. (Cl. 280—106.)



1. In a motor car, a structure for mounting the front wheels of the car, said structure comprising, a cross member having its central portion secured to the vehicle frame, uprights secured to the cross member near its ends, connecting ties between the uprights and the vehicle frame, and means at the ends of said structure for resiliently mounting the front wheels.

1,542,511. SHOCK ABSORBER. VINCENZO LANCIA, Turin, Italy. Filed Dec. 13, 1922. Serial No. 606,723. 8 Claims. (Cl. 280—96.2.)



1. A shock absorber comprising supports, a hollow member mounted to move in said supports and having a bored intermediate partition, said supports and member being attachable to parts whose respective motion is to be damped, resilient means positioned between said supports and member, a stem fastened to one of said supports and snugly slidable through said bored partition and extending into said hollow member, a piston on said stem snugly slidable in the hollow of said member, said member and piston providing two end chambers and an intermediate chamber to be filled with liquid, and means for putting said intermediate chamber into communication with the two end chambers, the last said means providing a throttled flow of liquid when the said supports and member are relatively moved.

1,542,512. ILLUMINATED LEVEL. JAMES ANTHONY LETT, Portsmouth, Ohio. Filed July 17, 1924. Serial No. 726,567. 3 Claims. (Cl. 240—8.4.)



1. In a device of the class described, a level stock having longitudinal and transverse vials, the stock being provided with a straight bore leading to the longitudinal vial from one edge of the stock, and being provided with an angular bore leading from said edge of the stock to the transverse vial, the stock having a chamber disposed between the bores and opening through said edge of the stock, the stock having passages communicating with the chamber and with the bores, lamp carriers in the bores, lamps mounted on the carriers and disposed in operative relation to the vials, a battery in the chamber, a circuit located in the chamber, the passages and the bores and including the battery and the lamps, and a switch in the circuit and operative to light one lamp at a time, the carriers and the lamps being removable independently of the battery.

1,542,513. PRODUCTION OF ESTERS OF FATTY ACIDS. RALPH H. MCKEE, New York, N. Y., assignor to Intarvin Company, New York, N. Y., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 628,371. 3 Claims. (Cl. 167—7.)

1. An artificial food product for use in treating diabetes and acidosis comprising a dihydroxy-alcohol ester of a fatty acid of odd-number carbon atoms of high molecular weight having a melting point below the melting point of the fatty acid.

2. An artificial food product for use in treating diabetes and acidosis comprising a glycol ester of a fatty acid of odd-number carbon atoms of high molecular weight.

1,542,514. GOLF TEE. WILLIAM F. MAHONY, Washington, D. C. Filed Feb. 11, 1924. Serial No. 692,072. 6 Claims. (Cl. 273—33.)

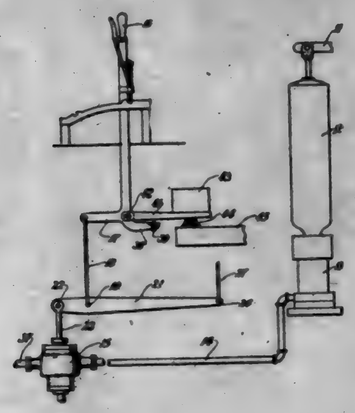


2. A golf tee having a mat portion and a plurality of rows of tees of different heights extending across the mat.

1,542,515. BRAKE CONTROL. EZRA B. MEAD, Ottumwa, Iowa, assignor to Ottumwa Iron Works, Ottumwa, Iowa, a Corporation of Iowa. Filed July 14, 1924. Serial No. 725,812. 7 Claims. (Cl. 303—49.)

1. A brake control, comprising in combination a brake applying power source, a brake releasing power source, a manipulative device, a connection between said manipula-

tive device and said brake releasing power source, said connection being actuated by said device, and means independent of said connection and brake releasing power



source for maintaining a recognizable relation between the force exerted upon said device by an operator and the extent of braking action.

1,542,516. BASEBALL GLOVE. HARRY A. MYERS, Philadelphia, Pa., assignor to George A. Reach, Philadelphia, Pa. Filed May 9, 1924. Serial No. 712,008. 2 Claims. (Cl. 2—19.)

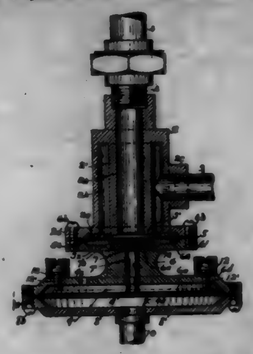


2. A base ball glove of the fingered type having seamed finger crotches, said glove having a palm portion provided with integral tabs which bridge said crotch seams on the inner faces, and means securing said tabs to the inner faces of the crotches.

1,542,517. DIAPHRAGM VALVE. HOWARD W. PARTLOW, Utica, N. Y. Filed Jan. 25, 1924. Serial No. 688,556. 3 Claims. (Cl. 137—153.)

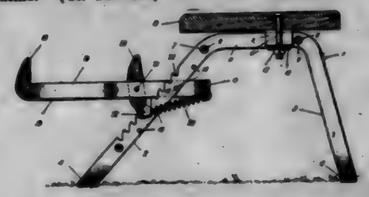
1. A diaphragm valve comprising a chamber, a diaphragm therein, a disk concentrically secured to the diaphragm, said chamber having an upstanding part formed with a bore, a valve-actuating stem slidably guided by and in the bore of said upstanding part, the lower end of the stem being freely supported on the disk,

a circular series of adjustable stops carried by the chamber to engage the marginal portion of the disk, said stops being adjustable exteriorly of the chamber, and



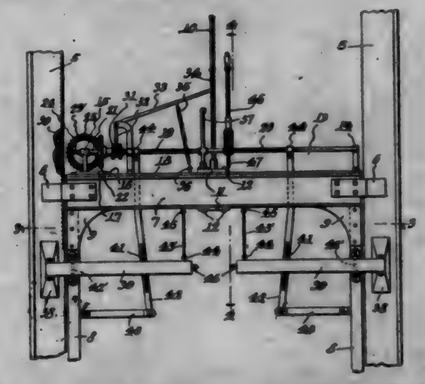
valve means carried on the upper end of the stem and normally resting on the upper end portion of the upstanding part.

1,542,518. MILKING STOOL. JOHN PETERS, Mingo, Kans. Filed Dec. 20, 1924. Serial No. 757,219. 2 Claims. (Cl. 31—57.)



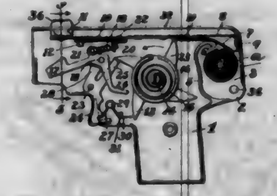
2. In a milking stool, the combination of a supporting structure; a pail-holding bracket pivoted on said structure and provided with means adapted to clamp pails of varying diameter on said bracket; and means adapted to automatically adjust said bracket relative to said structure, and said clamping means relative to a pail on said bracket.

1,542,519. FRICTION SAFETY STOP. ORAL F. RAINBOLT, Lyons, Ind. Filed July 28, 1924. Serial No. 728,722. 5 Claims. (Cl. 187—78.)



5. An automatically operated stop device for an elevator operating between guides, and having an elevating cable, a shaft mounted on the elevator, said shaft having threaded portions, a shaft operating member, member slidable on the shaft and adapted to be moved into engagement with one of the guides for imparting rotary movement to the shaft, means having connection with the cable for moving the shaft operating member to its active positions, arms carrying gripping members pivotally supported by the elevator, and arms having threaded portions moving over the threaded portions of the shaft for moving the first mentioned arms to cause the gripping members to grip the guides.

1,542,520. TOY PISTOL. ROBERT EDWIN REARDON, Elkton, Md., assignor to Victory Sparkler Specialty Company, Elkton, Md., a Corporation of Delaware. Filed Oct. 29, 1924. Serial No. 746,571. 16 Claims. (Cl. 42—57.)

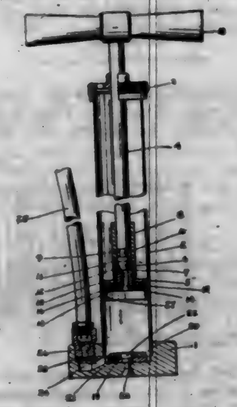


6. In combination in a toy pistol, a star wheel for feeding the cap strip, a spring for operating the star wheel and a trigger acting both as a detent and as a release for the star wheel, substantially as described.

14. In combination in a toy pistol, a main frame, a chamber and guide-way for a cap strip, a closure member consisting of a side wall and a top wall, a pivotal mounting for the side wall and means to interlock with the top wall for holding the closure in place, substantially as described.

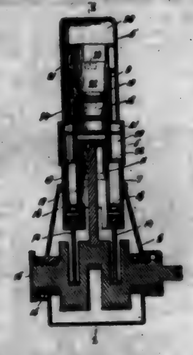
16. In a toy pistol using cap strips, a rotary cap advancing member having an operating spring contained therein and concentric therewith.

1,542,521. PUMP. THEODORE H. REYNOLDS, Cincinnati, Ohio. Filed Mar. 24, 1923. Serial No. 627,489. 4 Claims. (Cl. 230—27.)



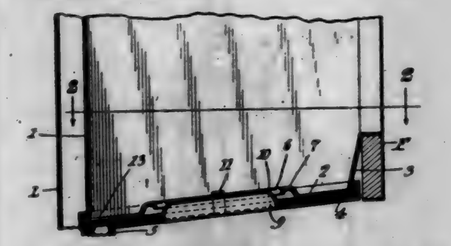
1. In a device of the class described the combination of a barrel, a reciprocating piston in the barrel comprising a flexible washer, and a sliding plate at the base of the barrel for engagement with the inner face of the flexible washer for effecting positive annular seating of the washer upon the barrel.

1,542,522. GAS ENGINE. EDWARD F. REYNOLDS, Santa Barbara, Calif. Filed Aug. 18, 1923. Serial No. 657,117. 1 Claim. (Cl. 123—60.)



In an internal combustion engine of the two-cycle type, a cylinder provided with an enlarged base portion and an enlarged head chamber, an air and a fuel chamber surrounding the cylinder having ports communicating therewith, a pair of oppositely disposed pistons reciprocately mounted in the cylinder, one of the pistons having a skirt for receiving the other piston and provided with ports for controlling the entrance of air and fuel into the cylinder through the ports of the air and fuel chambers, a port in the fuel chamber communicating with the enlarged base portion of the cylinder, an enlargement formed on the skirt for acting on the fuel in the fuel chamber, a tube connecting the head chamber with the air chamber, a crank shaft and means connecting the pistons with the crank shaft.

1,542,523. DRIP PAN. RUDOLPH A. RIEK, Rhinelander, Wis. Filed Mar. 27, 1925. Serial No. 18,852. 4 Claims. (Cl. 62—69.)

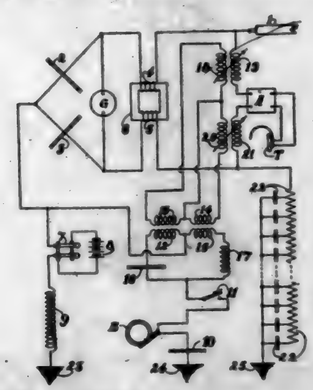


4. In a refrigerator, the combination with an ice tank having an opening in the bottom thereof for the downward flow of air, and a drain opening, of a drip pan extending under and surrounding the bottom of the ice tank but spaced therefrom, an opening in the bottom of the pan for the downward flow of air leaving the tank, a flange surrounding said opening and projecting into the opening in the bottom of the tank, and bendable tongues extending upwardly from the pan and through the bottom of the tank for supporting the pan from the tank.

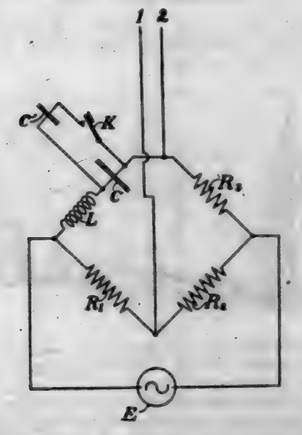
1,542,524. APPARATUS FOR THE ELECTRICAL TRANSMISSION OF INTELLIGENCE. LESTER J. RICE, Washington, D. C. Filed Jan. 26, 1921. Serial No. 440,179. 4 Claims. (Cl. 178—60.)

1. In combination with a duplex alternating and direct current signalling apparatus including a cable and an artificial line, an inductance coil connected to the

cable, an inductance coil connected to the artificial line, a receiving apparatus connected between said cable and line, said inductance coils being electromagnetically coupled to offer a high impedance to the currents of incoming alternating current signals, so that the major portion of such currents pass through the receiving apparatus but said coils neutralizing each other for outgoing alternating current signals to offer a low impedance for such signals.



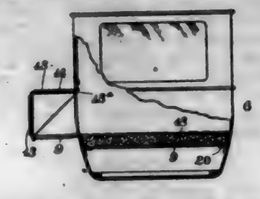
1,542,525. METHOD FOR REDUCTION OF INTERFERENCE FROM HARMONICS. LESTER J. RICH, Washington, D. C. Filed Jan. 26, 1921. Serial No. 440,180. 4 Claims. (Cl. 178—66.)



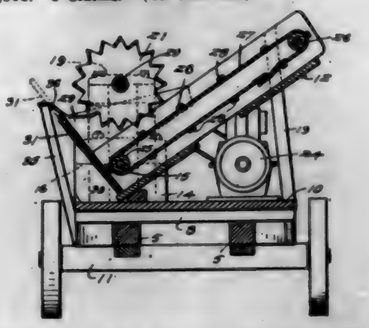
1. In an apparatus used for the production of alternating current signals, a Wheatstone bridge interconnecting the source of alternating current and the like, means operable to balance or unbalance said bridge for the fundamental frequency of the source to transmit signals to the line.

1,542,526. AUTOMOBILE BED. AMOS S. ROBINSON, Columbus, Ohio. Filed July 23, 1924. Serial No. 727,826. 6 Claims. (Cl. 296—69.)

1. A vehicle body having a transverse fixed rear seat and an opening in the side wall of the body portion only opposite an end of said seat, a closure for said opening adapted to be extended beyond the side of the vehicle body to provide room for a bed portion cooperating with and as an addition to said seat to form a bed extending transversely of the vehicle.

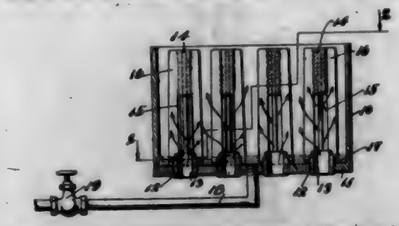


1,542,527. CUTTING MACHINE. MILLARD F. ROSS, Hutchinson, Kans. Filed Mar. 28, 1923. Serial No. 628,301. 4 Claims. (Cl. 146—81.)



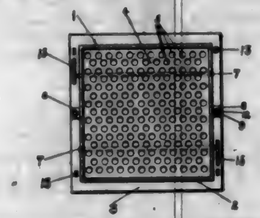
1. A device of the character described comprising a portable base, an inclined hopper arranged thereon, a gate valve at the lower end thereof and perpendicular to the plane of the floor of the hopper, an endless belt in the hopper, a saw above the hopper at its lower end to sever the material as it is manually fed to the saw, side walls secured to the lower end of the hopper and together with the gate valve constituting a chamber to receive the cut material and hold the same until the valve is raised to permit the discharge of the material from the hopper.

1,542,528. LIQUID-FUEL BURNER. WILLIAM PAUL RUDKIN, Oklahoma City, Okla. Filed Sept. 23, 1924. Serial No. 739,320. 10 Claims. (Cl. 158—92.)



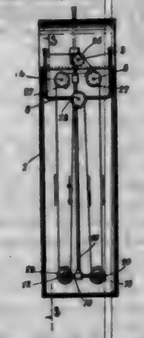
5. A liquid fuel burner comprising a fire box having an apertured base, a heat conductor disposed therein with a tubular portion located in said aperture and extending upward from from said base and radiating conducting blades extending from said tubular portion to the upper part of the conductor, said conductor being provided with air discharge openings disposed intermediate of said blades and above said tubular portion.

1,542,529. AIR FILTER. KARL G. RUNBACK, New York, N. Y.; Hilma Sofia Runbäck, executrix of the said Karl G. Runbäck, deceased, assignor to Midwest Air Filters, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 17, 1924. Serial No. 699,870. 3 Claims. (Cl. 183—48.)



1. A filter comprising a frame; a perforated plate in said frame; a screen in said frame adjacent said plate and consisting of two sets of members, the members of one set being directly connected to and spaced closer together than the members of the other set; and a pair of spring rods secured at each end in said frame and adapted to force the screen against said plate and secure them in said frame.

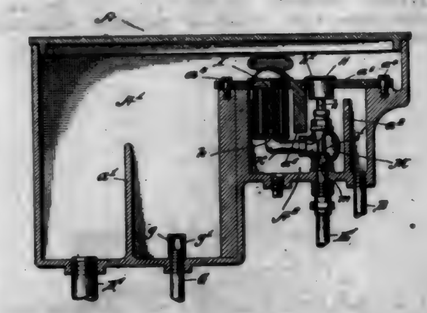
1,542,530. MACHINE FOR TREATING CINEMATOGRAPH FILMS. GEORGES AUGUSTIN SALINS, Vincennes, France, assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Vincennes, Seine, France. Filed Aug. 20, 1920. Serial No. 404,764. 6 Claims. (Cl. 95—94.)



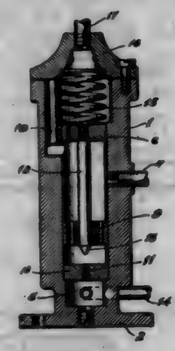
1. A machine for treating cinematograph films comprising a treating vat, parallel upper shafts arranged in the upper part of said vat, in the longitudinal direction of the same, lower longitudinal shafts arranged in the lower part of the vat film supporting rollers placed end to end upon said shafts and means for feeding the film through the vat and around the rollers.

1,542,531. LIQUID-FUEL-FEEDING DEVICE FOR ROTARY OIL BURNERS. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1923. Serial No. 658,444. 7 Claims. (Cl. 158—36.3.)

1. In combination with a liquid fuel supply tank, a pump, and a separating device, a suction pipe connecting said pump with said tank, a return pipe connecting said pump with said separating device, a surplus fuel return pipe connecting said separating device with said tank, and a fuel feed pipe connecting said separating device with a burner or the like; said separating device comprising a receptacle having a main and an auxiliary liquid chamber therein, the latter having a top-plate or cover and provided with a receiving chamber at one side and a separating chamber on the other side thereof, and means in said separating chamber whereby a part of the liquid drawn from said tank is fed to a burner or other device while the larger portion is returned to the tank; said means comprising a lift valve slidably fitted in an opening through the top of the separating chamber and adapted to be opened by fluid pressure, an outlet valve of smaller capacity than said lift valve arranged below said opening and controlling the admission of fuel to said feed pipe, a strainer suspended in said separating chamber, and a pipe leading from said strainer to said feed pipe; said outlet valve being movable with and controlled by said lift valve for opening and closing the outlet through said feed pipe when said lift valve is raised and lowered.



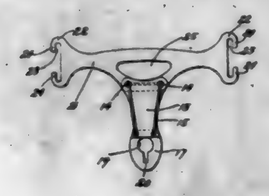
1,542,532. LIQUID-FUEL FEEDING DEVICE. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,268. 5 Claims. (Cl. 251—144.)



1. A liquid fuel feeding device comprising a casing having a differential bore, reduced in size at the lower end thereof, a piston valve slidably fitted in said bore and carrying a depending valve stem which passes through a partition or guide-plate secured within the casing so as to divide the oil space or chamber below said valve into upper and lower compartments, said guide-plate having a liquid fuel passage therethrough into the lower compartment, a spring interposed between said valve and the top of the casing and tending to normally hold said valve in closed position, a fuel supply pipe leading into said upper compartment, a partition plate within said casing below said guide-plate having an opening or discharge port therethrough on

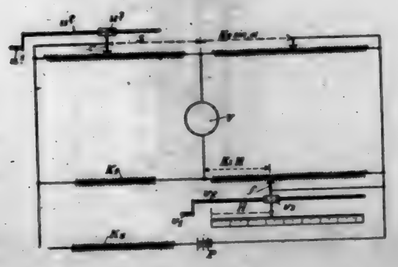
which the free end of said valve stem may be seated to close said port, a fuel feed-pipe connecting said discharge port with a burner or other device for supplying oil thereto, and a discharge pipe at the upper end of the casing through which surplus fuel may be returned to the supply tank.

1,542,533. NECKTIE FRAME. PAUL A. SCHLEMP, New York, N. Y. Filed Apr. 24, 1924. Serial No. 708,641. 2 Claims. (Cl. 24—56.)



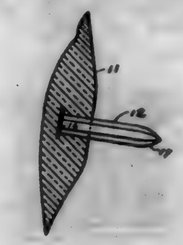
1. A necktie frame comprising a stiff and flexible strip, an elongated opening in said strip centrally of its length, open slots formed at the ends of said strip, extensions on said strip adjacent the slots, a plate extending from one longitudinal side of said strip adjacent the elongated opening, hollow rivets securing said plate on the strip, said plate having openings at its lower end, an elastic cord passing thru said hollow rivets and the openings, an oval ear having openings therein, said elastic cord passing thru the lower openings on the plate and the openings in the ear thereat being knotted, said ear having an additional opening and a slot communicating with said opening, said cord permitting the rotation of said ear to a concealed position behind the plate member, the plate and strip providing a frame for the forming of a four-in-hand necktie knot thereon.

1,542,534. APPARATUS FOR ASCERTAINING THE ALTITUDE OF AERIAL TARGETS. EUGENE SCHNEIDER, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Mar. 14, 1923. Serial No. 625,042. 6 Claims. (Cl. 88—2.2.)



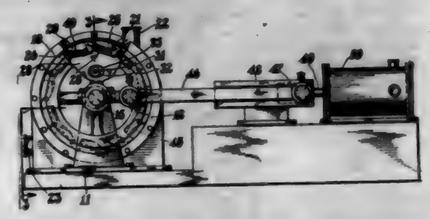
1. An apparatus for measuring the altitude of a moving aerial target comprising supporting means, a telemeter mounted on the supporting means and having an adjusting member, a movable indicator carried by the supporting means, means for moving the indicator as a function of the sight angle of the target, means for moving the indicator proportionally to the altitude of the target, and means operatively connected to said adjusting member for returning the indicator to normal position.

1,542,535. ARTIFICIAL TOOTH. LAKE H. SPRINGLE, Brooklyn, N. Y. Filed May 14, 1924. Serial No. 713,226. 2 Claims. (Cl. 32—9.)



2. In an artificial tooth or facing a hollow pin imbedded in the lingual side thereof, said pin being formed of a blank having thereon multiple pointed leaves to be assembled into the body of the pin, the pointed portions of said leaves forming the apex of the pin.

1,542,536. TURBINE. ANTONI SWAROCKI, Detroit, Mich. Filed May 26, 1924. Serial No. 715,793. 2 Claims. (Cl. 253—136.)



1. A turbine comprising a casing, a rotor therein, a shaft on which said rotor is fixed, a series of pockets formed in the periphery of said rotor, leaves hinged in said pockets for varying the effective depth thereof, a disk mounted on said shaft for rotary adjustment, and cam elements on said disk for bearing on the inner faces of said leaves and adapted to adjust the latter outward to decrease the depth of said pockets.

1,542,537. TAMPING GROUSER FOR TRACTORS. VERNON A. VAN HORN, Big Rapids, Mich. Filed Sept. 5, 1922, Serial No. 586,075. Renewed Nov. 26, 1924. 4 Claims. (Cl. 301—44.)

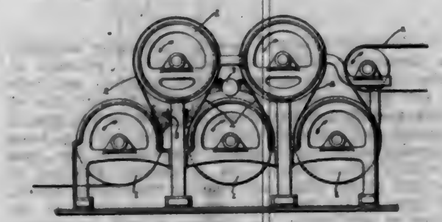


3. In combination with a wheel having a relatively wide rim, of a plurality of grousers detachably connected to the rim in spaced apart relation and across the rim, each of said grousers comprising a bar having integral spaced apart fingers extending therefrom at the opposed sides of the bar, said fingers being recessed on their under sides so as to be spaced at their outer portions from the outer side of the rim.

1,542,538. PROCESS OF PURIFYING ACETONE. HERMAN F. WILKIE, Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc., a Corporation of West Virginia. Filed Nov. 4, 1921. Serial No. 512,765. 11 Claims. (Cl. 260—134.)

2. The process of purifying acetone comprising treating it with an acid, distilling and collecting the first and last portions of the distillate containing impurities, and treating the middle portion of the distilled acetone with an oxidizing agent.

1,542,539. ART OF RENDERING PAPER IMPERVIOUS. WILBUR L. WRIGHT, Fulton, N. Y., assignor to Oswego Falls Corporation, Fulton, N. Y., a Corporation of New York. Filed Apr. 10, 1920. Serial No. 372,952. 8 Claims. (Cl. 91—68.)

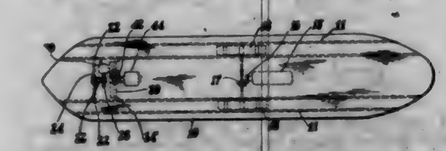


1. Paper material embodying, and rendered grease and water proof by, a casein-chromate composition.

8. In the method of producing impervious paper material, those steps which consist in applying to the paper material a substance or substances that quickly react under the action of violet or ultra-violet rays to render such paper material impervious, and thereafter exposing such material to the direct action of artificially produced violet or ultra-violet rays.

8. In a paper making machine, in combination, paper making machine rolls for advancing the paper material web in process of producing paper therefrom, and means for generating and applying on both sides of said web the shorter wave length light rays to cause reaction of substances carried by said web to render the paper produced from said web impervious.

1,542,540. SHIP PROPULSION AND CONTROL MEANS. LOUIS ZSIKI, Wharton, N. J., assignor of one-third to George Pitiu, Wharton, N. J. Filed Jan. 2, 1925. Serial No. 32. 5 Claims. (Cl. 115—16.)

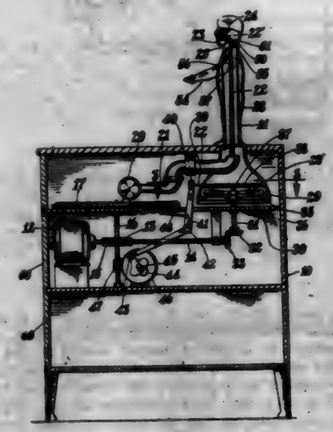


1. In a ship, a pair of water conduits extending longitudinally through the ship, propeller wheels in said conduits, and means for driving said propeller wheels, valves controlling the respective conduits, and means for adjusting said valves in unison either in a common direction or in opposite directions.

1,542,541. MANUFACTURE OF CELLULOSE ETHERS. HENRY DREYFUS, London, England. Filed Mar. 1, 1922. Serial No. 540,809. 44 Claims. (Cl. 260—152.)
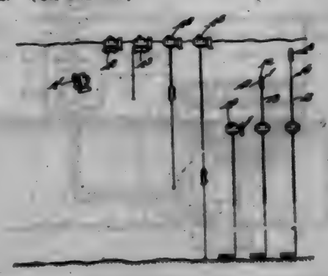
1. Process for the production of a cellulose ether by etherifying treatment of a cellulosic body, characterized in that the total quantity of water employed, disregarding that formed in the reaction itself, is restricted to an amount between nil and about 100 per cent relatively to the weight of the cellulosic body, said restriction of water being effected by the employment of a substance capable of combining with and removing water by chemical reaction with formation of an oxygen containing metallic compound.

1,542,542. TALKING MANIKIN. EDUARDO ECHEVARRIA, Granite City, Ill. Filed Oct. 8, 1924. Serial No. 742,312. 4 Claims. (Cl. 46—40.)



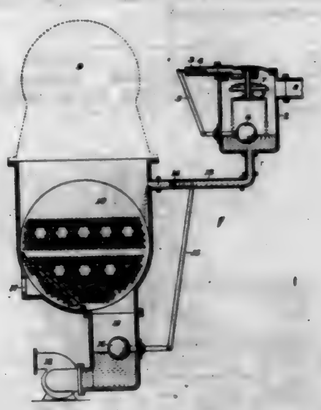
1. In combination, a manikin, a sound reproducing device including a motor, a sound conducting tube leading from the said device to the mouth of the manikin, a fan driven by said motor, an air conduit leading from said fan to the neck of the manikin, a hinged lower jaw on said manikin, a flap fixed to said jaw and normally extending across the said conduit, and a valve operable by said motor for controlling the flow of air through said conduit.

1,542,543. SUBMARINE MINE. GIOVANNI EMANUELE ELIA, Westminster, London, England, assignor to Vickers Limited, Westminster, England, a British Company. Filed Dec. 1, 1924. Serial No. 753,144. 8 Claims. (Cl. 102—8.)



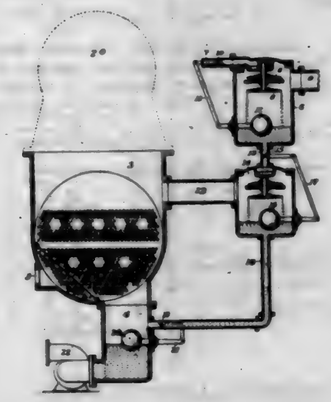
1. A submarine mine comprising, a buoyant casing, a flotation chamber, a line attaching said buoyant casing to said flotation chamber, means for securing said buoyant casing to said flotation chamber until the latter has been anchored, means acting thereafter to release the buoyant casing from said flotation chamber, and means for arresting the ascent of said buoyant casing at a predetermined point.

1,542,544. SEPARATION OF AIR AND DISSOLVED GASES FROM LIQUIDS. WILLIAM S. ELLIOTT, Pittsburgh, Pa. Filed Nov. 26, 1920. Serial No. 426,665. 4 Claims. (Cl. 60—94.)



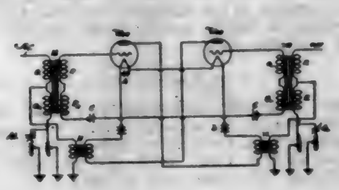
1. In a power plant, the combination with a prime mover and a condenser serving the prime mover, of a heater arranged to discharge heated water to the condenser under conditions in which the water upon its entrance to a region of vacuum in the condenser is caused to violently boil or flash at the expense of its contained heat, said condenser having an outlet for the removal of air therefrom, substantially as described.

1,542,545. SEPARATION OF AIR AND DISSOLVED GASES FROM LIQUIDS. WILLIAM S. ELLIOTT, Pittsburgh, Pa. Filed Nov. 26, 1920. Serial No. 426,666. 4 Claims. (Cl. 60—94.)



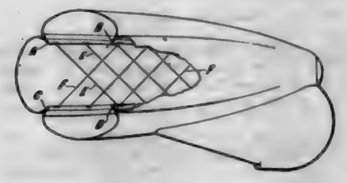
1. In a power plant, the combination with a prime mover and a condenser serving the prime mover, of a heater for the make-up water, an evaporator connected with the condenser and with the heater, and a liquid connection leading from the evaporator to the condenser, said condenser having an outlet for the removal of air therefrom, substantially as described.

1,542,546. DEVICE FOR REPEATING ALTERNATING-CURRENT TELEGRAPH SIGNALS BY MEANS OF VACUUM TUBES. JOHN P. FERRITER, Oceanport, and WRIGHT H. JOHNSON, Red Bank, N. J. Filed Aug. 29, 1923. Serial No. 660,023. 1 Claim. (Cl. 178—70.)



In combination with a vacuum tube duplex amplifier, an alternating current telegraph line, a plurality of pairs of three-electrode vacuum tube detectors, each tube of said pairs having its filament in series with that of another, each pair having an iron core transformer of primary and secondary windings, said primary being connected to said line and to the grid of one tube, said secondary being connected to an artificial line and to the grid of the other tube, another transformer having its primary and secondary windings connected to the plates of said tubes, the primary of said transformer being also connected to another set and to a transformer corresponding to the first mentioned transformer, the latter being also connected to said second set and to the primary of a transformer corresponding to said second mentioned transformer, for the purpose of providing means for impressing a substantially sustained signalling alternating current the half-waves of which have their amplitudes modified according to any predetermined signalling flow.

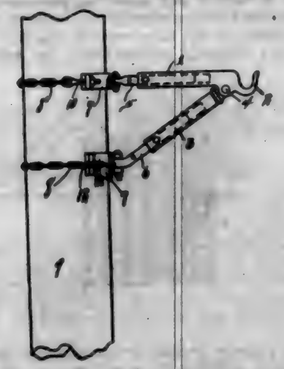
1,542,547. KITE BALLOON. HERBERT GRAY GIBBS, London, England. Filed Dec. 17, 1924. Serial No. 756,379. 3 Claims. (Cl. 244—4.)



1. An elastic kite balloon, in which the gas is maintained at the desired degree of pressure by means of tension members, four rigging bands on the interior of the balloon, two on the starboard side and two on the port side, elastic tension members connecting the upper starboard rigging band to the lower port rigging band, and elastic tension members connecting the upper port rigging band to the lower starboard rigging band.

1,542,548. HOISTING IMPLEMENT. DANIEL E. GORDON, Fort Worth, Tex. Filed Nov. 8, 1923. Serial No. 673,458. 2 Claims. (Cl. 248—30.)

1. A hoisting implement comprising a pair of brackets for engaging a post or upright object, chains caught in the ends of said brackets and means for adjusting the chains on said post for binding said brackets to a post, a telescopic hoisting arm provided with a hook on the outer end thereof and means for pivotally connecting the inner end to one of said brackets for permitting a horizontally swinging motion of the arm, a telescopic

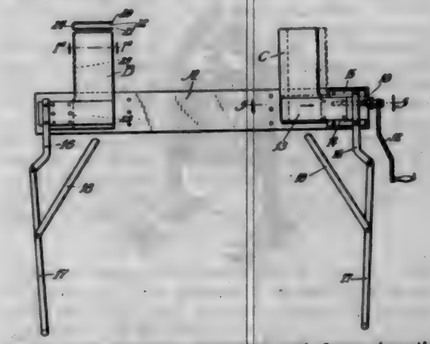


bracing arm pivotally connected to said hoisting arm, and means for pivotally connecting said bracing arm to the other bracket for permitting a horizontal swinging motion of the bracing arm.

1,542,549. PROCESS FOR THE ELECTROLYTIC DEPOSITION OF METALLIC CHROMIUM. RICHARD GRAH, Sheffield, England, assignor to Elecrom Limited, Sheffield, England. Filed Apr. 2, 1924. Serial No. 703,602. 6 Claims. (Cl. 204—1.)

1. A process of electrolytically depositing metallic chromium consisting in providing a bath containing a mixture of chromic oxide and a non-oxidising acid in the proportions by weight of oxide of chromium more than half the weight of the acid, maintaining the relative proportions substantially constant during the operation, adding a suitable conducting acid which produces a non-colloidal solution, and maintaining the temperature constant.

1,542,550. VISOR-COVER STRETCHING AND FRAME-INSERTING MACHINE. WILLIAM C. GRUNOW, Chicago, and OTTO JOHNSON, Brookfield, Ill., assignors to Grigsby-Grunow-Hinds Co., Chicago, Ill., a Corporation of Illinois. Filed July 26, 1922. Serial No. 577,781. 11 Claims. (Cl. 69—1.)



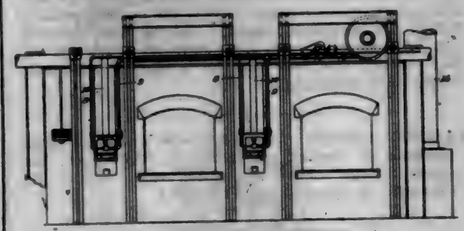
1. In a visor cover stretching and frame inserting machine, a pair of arms for insertion in a bag-like visor cover constructed to engage the inside of the cover substantially throughout the length of the sides to be engaged, and means for forcibly separating the arms after the cover is applied to stretch the cover and hold it thus for insertion of a frame.

1,542,551. AUTOMOBILE TAG. HOWARD E. HAGAN, Omaha, Nebr. Filed Apr. 6, 1925. Serial No. 20,956. 2 Claims. (Cl. 40—2.)



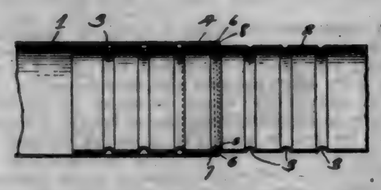
1. A tag of the specified class, flexible, resilient and approximately plane, having its forward end portion divided by slits into three forwardly extending arms, whereof one extends between the other two and has a terminal finger extending backward.

1,542,552. FURNACE. CLARENCE E. HAWES and BOYD M. JOHNSON, Metuchen, N. J., assignors to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Feb. 16, 1924. Serial No. 693,282. 4 Claims. (Cl. 263—42.)



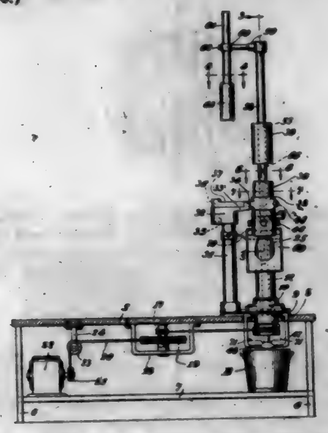
1. A furnace, comprising a heating chamber having a combustion chamber associated therewith, a pre-heating chamber, a pair of flues beneath the floor of said pre-heating chamber and each having its top wall formed thereby, said top walls having openings therein establishing communication between said flues and pre-heating chamber, and means for conducting the waste gases from said combustion chamber to one of said flues and for conducting them from the other of said flues out of the furnace, substantially as described.

1,542,553. STOVEPIPE CONNECTION. GEORGE HENRY HORNBECK, Cuba City, Wis. Filed Nov. 6, 1924. Serial No. 748,137. 2 Claims. (Cl. 285—186.)



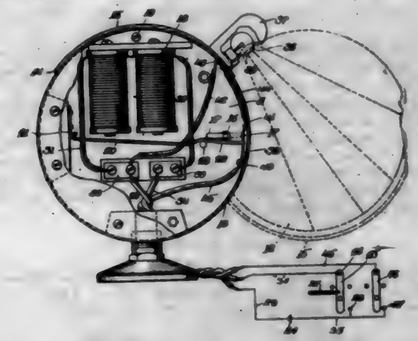
2. A pipe connection comprising an outer pipe section, an inner pipe section extending into the outer pipe section in spaced relation thereto, a split sleeve disposed within the end of the outer section and surrounding the inner section, a bead carried by the outer end of the sleeve and engaging the end of the outer pipe section and disposed in one of a plurality of annular grooves carried by the inner pipe section, and a split reinforcing ring disposed within the bead.

1,542,554. FRUIT-SLICE-CUTTING MACHINE. EUGENE ROBERT JAGENBURG, New York, N. Y. Filed Dec. 10, 1924. Serial No. 754,905. 17 Claims. (Cl. 146—6.)



1. In a machine for cutting an annular fruit slice into a plurality of portions, knives for producing spaced cuts in the fruit slice, extending radially from the inner and outer edges thereof, and additional means for cutting through the fruit slice on a circular line intersecting said radial cuts.

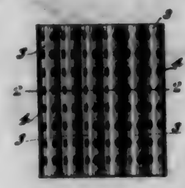
1,542,555. SIGNAL. LABAN E. JONES, Anaconda, Mont., assignor of one-half to Michael L. McDermott, Anaconda, Mont. Filed Sept. 30, 1921. Serial No. 504,333. 4 Claims. (Cl. 177—329.)



1. A signal device providing a casing, an oscillatable shaft passing through the casing and having a laterally projecting arm therein; a semaphore arm pivoted to the casing by the shaft; means to limit the movement of said arm; an electromagnet within the casing; an armature responsive to the magnet and having its free end adjacent to the arm in a position to contact the arm in either of its positions, whereby to oscillate said shaft in both directions by an impulse imparted by the armature to the arm when the magnet is energized to alternately obscure and exhibit the semaphore.

1,542,556. DUST SEPARATOR. ANDREW JORDAHL, New York, N. Y. Filed Feb. 28, 1923. Serial No. 621,733. 4 Claims. (Cl. 183—75.)

1. A filtering member comprising a plurality of rows of tubes extending in a common direction in contacting relation with each other, each row forming two walls with spaced outwardly extending portions of the tubes extending across the faces of the two walls of the tubes, and each tube having a series of spaced apertures on each side of each of said extending portions of the tube providing fluid passages through the walls of the filtering member formed by the tubes whereby the fluid in passing through the filtering member will be deflected from



the direct passage normal to the filtering member and fluid currents entering the apertures of the tubes on opposite sides of the extending portions of the tubes will impinge upon each other within the tubes and be deflected and pass through apertures on opposite sides of the extending portions through the other sides of the tubes.

1,542,557. PROCESS FOR MAKING WATERPROOF FELTED COMPOSITIONS. LESTER KIRSCHBRAUN, Chicago, Ill. Filed Sept. 10, 1919. Serial No. 322,831. 7 Claims. (Cl. 92—40.)

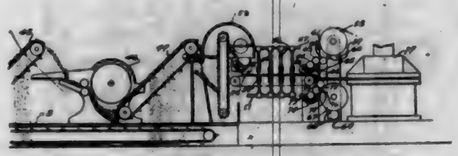
1. A process of making felted fibrous compositions consisting in feeding an open mesh fabric backing over a paper forming machine forming thereon fibrous stock in an aqueous vehicle thereby causing the stock to felt and interlock with the fabric backing, and simultaneously with said operation introducing a waterproof pitchy binder.

1,542,558. FRUIT AND LIKE PRESS. ABRAHAM S. KIRSHNER, Philadelphia, Pa. Filed Aug. 16, 1924. Serial No. 732,366. 4 Claims. (Cl. 100—44.)



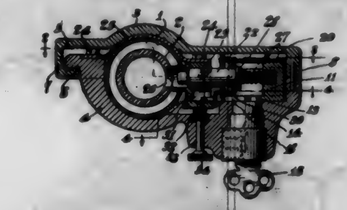
1. A device of the character stated comprising a pair of detachably connected parallel supports of channel iron, which supports are curved inwardly at their upper portions, a removable, relatively short head provided with angular seats to receive the converging ends of said supports, and means for rigidly and removably securing said supports to said seats.

1,542,559. COMPOSITION BOARD AND METHOD FOR MAKING THE SAME. ROGER S. KOFF, Duluth, Minn., assignor to Intercontinental Development Company, a Corporation of Maryland. Filed July 30, 1921. Serial No. 488,604. 13 Claims. (Cl. 154—28.)



1. The method of making a fibre board from wood bark which comprises removing water from the bark, shredding the bark, removing the cork-like impurities from the fibres, arranging them in a layer, applying a binder, and compressing the fibres and binder.

1,542,560. LOCK. WILLIAM F. KRAUTTER, Chicago, Ill., assignor of one-half to William D. Krautter, Chicago, Ill. Original application filed June 2, 1921, Serial No. 474,681. Divided and this application filed Dec. 28, 1922. Serial No. 608,787. 2 Claims. (Cl. 70—46.)



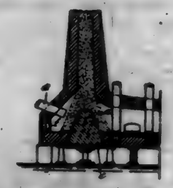
1. In a lock, the combination with the bolt thereof; of a spring for pressing the bolt into locking position; a key actuated bolt withdrawing member serving, in one adjustment, to place the bolt in unlocking position and in an alternative adjustment, adjusting said spring to function; a restraining member for holding the bolt in withdrawn position against the force of said spring when the key actuated member is adjusted to place said spring in bolt locking adjustment; a detent for holding the restraining member in functioning position; and a spring for holding the detent in functioning position, said detent being withdrawable from its functioning position in opposition to said latter spring to permit the first aforesaid spring to place the bolt in locking position, said restraining member being movable, when the detent is withdrawn, by the first aforesaid spring into holding engagement with the detent to prevent the return of the detent to functioning position, said key actuated member having restoring engagement with the restraining member when the key actuated member is adjusted to place the bolt in unlocking position.

1,542,561. SANITARY COVER FOR PILLOWS. BENJAMIN LASKIN and HERBERT J. BIERMAN, Philadelphia, Pa. Filed Nov. 4, 1924. Serial No. 747,767. 2 Claims. (Cl. 5—354.)

1. An article of the character stated comprising a protective casing or covering of sheet rubber closed upon three sides and having an open end, which end is provided with a hem having a continuous row of spaced openings therethrough, a closure or cap of sheet rubber for said casing having closed sides and top and an open bottom, which latter is provided with a hem, and a plurality of fastening mediums carried by the hem portion of said cap which mediums are in register with said casing openings when the cap is inserted over the casing mouth, whereby said hem parts may be separably attached together by said mediums cooperatively engaging through said openings.

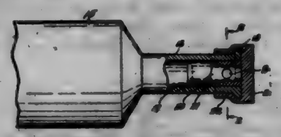


1,542,562. FURNACE FOR MELTING AND TREATING ORES AND METALS GENERALLY. TOUSSAINT LEVOS, Heer, Belgium. Filed Apr. 15, 1924. Serial No. 706,649. 4 Claims. (Cl. 204—64.)



4. In an electrically heated melting furnace, the combination of a refractory cone having a rounded top, located at the central portion of the hearth of the melting furnace, whereby the ore in course of being melted is distributed uniformly around said cone, pairs of electrodes for heating said melting furnace by electric arcs and electric resistances, and poles for the return of the electric current located respectively facing said pairs of electrodes, and located in said cone of refractory material.

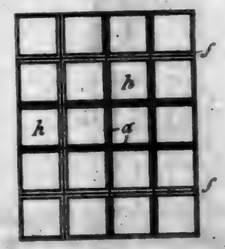
1,542,563. COLLAPSIBLE TUBE. ROBERT H. LIEBERTHAL, Bridgeport, Conn., assignor to The All-In-One Manufacturing Company, Incorporated, Bridgeport, Conn. Filed Aug. 3, 1923. Serial No. 655,466. 3 Claims. (Cl. 221—60.)



1. A collapsible tube having a discharge nozzle provided with a longitudinal passage and a discharge opening leading from said passage, said nozzle being provided with an exterior flange adjacent its outer end, and a movable cap embracing the outer end of the nozzle and provided with means engaging said flange to prevent removal of the cap from the nozzle, said cap being provided with an opening adapted by movement of the cap to be brought into and shifted from alignment with the discharge opening, a portion of said flange being omitted

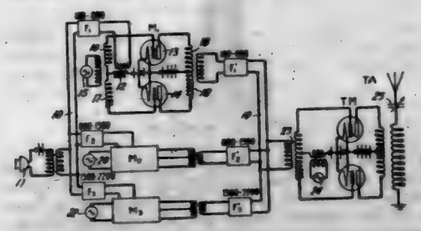
to provide spaced opposed shoulders, and a lug carried by the cap adapted to coact with said shoulders to limit the movements of the cap and properly position the opening therein.

1,542,564. GRID WINDOW. PAUL LIEBE, Tempelhof, Germany. Filed Sept. 13, 1923. Serial No. 662,450. 6 Claims. (Cl. 72—99.)



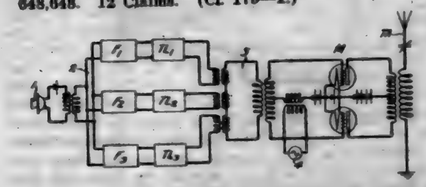
1. A non-metallic frame member for grid windows provided externally with circumferential grooves and adapted to be glazed.

1,542,565. SECRET SIGNALING. ROBERT C. MATHES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,647. 9 Claims. (Cl. 179—1.)



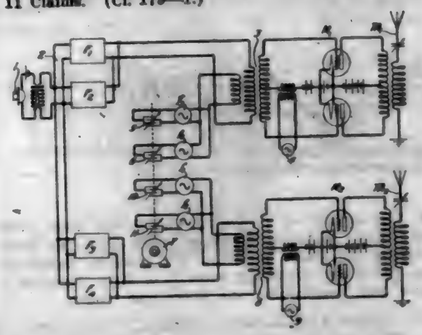
1. The method of transmission of waves having a band of frequency components occurring in a characteristic order, which comprises dividing said band into sub-bands, inverting the frequency order of the components of certain of the sub-bands while keeping the respective sub-bands within substantially the same frequency limits as they occupy before inversion, and transmitting all of said sub-bands simultaneously.

1,542,566. SECRET SIGNALING. ROBERT C. MATHES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,648. 12 Claims. (Cl. 179—1.)



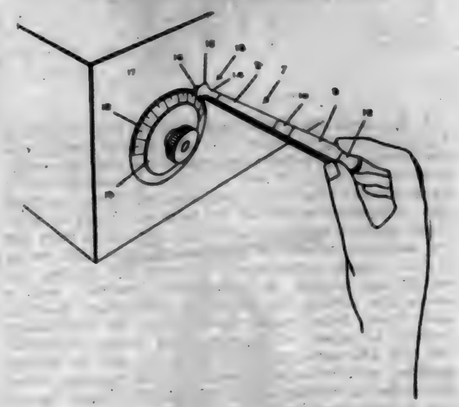
1. The method of secret transmission of waves, the frequency components of which comprise a considerable frequency range, which comprises dividing said waves into sub-bands of frequency components, producing relative time shifts in the sub-bands, and then transmitting all of the sub-bands over the same path.

1,542,567. SECRET SIGNALING. ROBERT C. MATHES, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,649. 11 Claims. (Cl. 179—1.)



4. The method of secret transmission of speech, comprising dividing the speech waves into sub-bands of frequencies, transmitting over one path a plurality of sub-bands non-adjacent in frequency, and transmitting over another path a plurality of sub-bands including frequency components intermediate, in frequency, those transmitted over the first-mentioned path.

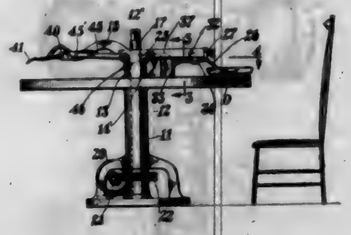
1,542,568. RADIO DIAL ADJUSTER. CHARLES A. MILLER, Washington, D. C. Filed Dec. 29, 1922. Serial No. 609,615. 4 Claims. (Cl. 74—7.)



1. An implement for adjusting a dial comprising a handle normally removed from the dial and adapted to be manipulated and rotated by hand, means on the handle to frictionally engage the dial for turning the dial by the rotation of the handle, and means on the handle for pivotal connection with a portion beyond the edge of the dial, the last-named means being yieldable so that the first-named means can be moved with the handle to engage the dial.

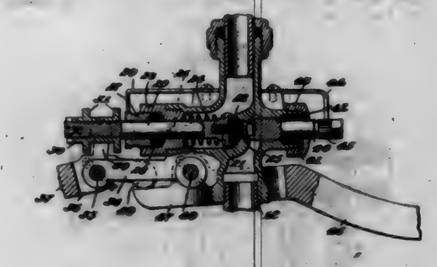
1,542,569. AUTOMATIC FEEDING TABLE. ANGELO MONDI, Salina, Pa. Filed Jan. 5, 1924. Serial No. 684,471. 5 Claims. (Cl. 45—26.)

1. A device of the class described comprising a vertical shaft, a support in which said shaft is rotatably mounted, a pair of arms fixed to and radiating from said shaft, spoon and fork element on the respective arms, and means for imparting up and down movements to said spoon and fork elements at certain points in



the travel of said arms, said means comprising cam elements fixed to said support in position to be engaged by said arms as the latter move with the said shaft.

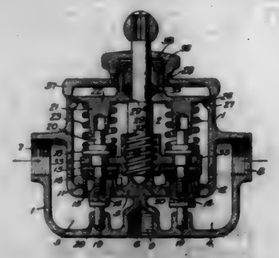
1,542,570. SUPPLY VALVE FOR DRINKING FOUNTAINS. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Original application filed Nov. 12, 1919, Serial No. 337,490. Divided and this application filed Oct. 15, 1923. Serial No. 668,635. 11 Claims. (Cl. 251—134.)



2. A supply valve for drinking fountains comprising a valve body, a normally spring-closed valve in said body, a forked valve operating lever pivoted on said body, an adjustable winged nut on the valve stem engaging said forked lever, and a second valve operating lever pivoted on said body and engaging said first-mentioned lever, said first-mentioned lever adapted to actuate the valve independently of the second lever.

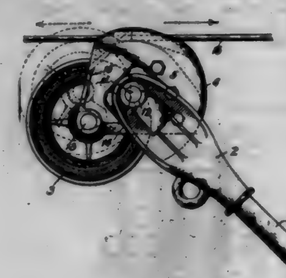
1,542,571. MIXING VALVE. PHILIP MUELLER and ANTON C. SCHUERMANN, Decatur, Ill., assignors to Adolph Mueller, trustee, Decatur, Ill. Filed Nov. 1, 1924. Serial No. 747,334. 6 Claims. (Cl. 277—18.)

1. In an apparatus of the character described, the combination of a casing provided with hot and cold water inlets and an outlet and having its interior divided into two chambers connected to said inlets, respectively, and a mixing chamber connected with the outlet and having two ports communicating, respectively, with the hot and cold water chambers, a detachable closure for the mixing chamber, a rotable stem extending through said closure and having its inner end seated in a bearing within the casing, said stem being provided within the casing with a threaded section, a yoke engaging the threaded section of said stem and having arms extending across the ports connecting the mixing chamber with the hot and cold water chambers, a valve controlling each of said ports and having a stem extending freely through the adjacent arm of the yoke, an abutment on each valve stem in the path of the yoke arm as it moves away from the valve head, a



spring surrounding each valve stem between said abutment thereon and the mixing chamber closure, and means connected to the rotatable stem outside the casing for rotating the stem to move the yoke away from or toward the ports between the mixing chamber and the hot and cold water chambers.

1,542,572. TROLLEY SHOE. JAY F. O'NEAL, Waterloo, Iowa. Filed June 2, 1922. Serial No. 565,309. 12 Claims. (Cl. 191—59.1.)

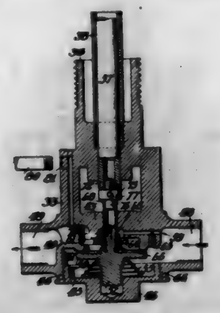


1. A device of the class described comprising a shoe adapted to be inserted between the ordinary harp and trolley wheel of an electrically propelled vehicle, said shoe being weighted on one side of its pivot and light on the opposite side thereof and being adapted to pivotally support the trolley wheel in the light side and when so supporting the trolley wheel the lighter side is heavier than the opposite side.

1,542,573. THERMOSTATICALLY-CONTROLLED VALVE. ARTHUR E. PAIGE, Philadelphia, Pa. Filed Aug. 20, 1924. Serial No. 733,067. 14 Claims. (Cl. 236—33.)

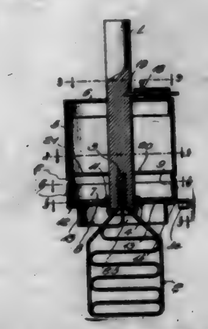
1. In a gas water heater; the combination with a water container; of a burner arranged to heat the water in said container; a main gas valve controlling a main fuel gas conduit leading to said burner; a bypass conduit leading to said burner, around said main valve; an auxiliary valve controlling said bypass conduit; a spring tending to close said main valve; a spring tending to close said auxiliary valve; a single thermostatic element, extending in said container, and

in operative relation with both said valves, arranged to continually hold said auxiliary valve open, to a variable extent, and thereby vary the effective area of said bypass, in accordance with the temperature of the water in said container, and arranged to open said main valve at a predetermined temperature, and permit said main valve to be closed, at a predetermined temperature, by its spring; and means adjustable to variably



determine the temperatures at which said valves shall be respectively operated in coordinated relation; whereby the heating effect of said burner is automatically determined and controlled to regulate the temperature of the water in said container and compensate for variations in such temperature, consequent upon withdrawal of hot water and influx of cold water with respect to said container.

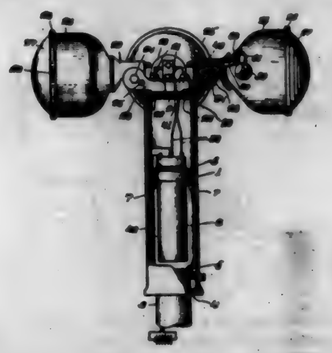
1,542,574. PORRIDGE MIXER. WATSON PARK and EMMA LURA PARK, Fair Ground, Ontario, Canada. Filed Mar. 31, 1924. Serial No. 703,318. 5 Claims. (Cl. 259—144.)



1. A device of the class described comprising a handled stirrer, a receptacle provided with a removable top and a bottom having discharge apertures, the top and bottom of said receptacle having centrally disposed apertures through which the handle of said stirrer extends, and means for detachably clamping said receptacle upon said handle with the bottom of said receptacle adjacent the stirrer proper, said means also clamping said top upon said receptacle.

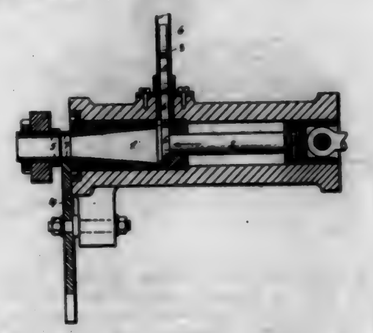
1,542,575. LAMP SUPPORT. GEORGE ELLIOT PERRY, Chicago, Ill., assignor to William F. Cummings, Chicago, Ill. Filed Sept. 8, 1921. Serial No. 499,319. 5 Claims. (Cl. 240—52.)

2. A lamp support having a reflector holder with a shouldered opening therethrough, a rod extending into said opening and carrying a lamp socket at one end and being internally threaded at the other end, a screw threading into the rod and having a head adapted to abut against the shoulder in the opening of the holder,



and a plug for clamping the head of the screw against the holder and permitting access to the screw for the purpose of adjusting the same.

1,542,576. PROCESS AND DEVICE FOR MAKING FORM PIECES OF WOOD. FRITZ PFLEUMER, Dresden-A, Germany, assignor to Naamlooze Vennootschap "Ago" Maatschappij tot het Verwerken, Veredelen en Drogen Van Hout, ter Apel (Gron.), the Netherlands. Filed Mar. 8, 1923. Serial No. 623,771. 1 Claim. (Cl. 144—309.)

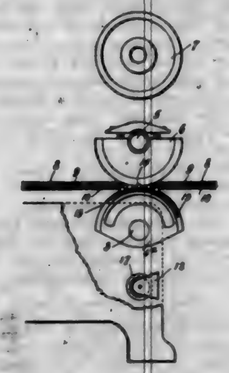


A process and device for the manufacture of pressed pieces of wood which is pressed in dry or moist air by means of pressing forms and pressing stamps and immediately after compression forced into tubes to prevent expansion; the said process and device being characterized by the fact that the wood, in form of short pieces, is pressed into rings and the individual pieces of wood within the rings are treated from the outside (through the end grains) with hot air or steam for the purpose of hardening them, and that the said pieces of wood are not removed from the rings until they have become perfectly dry and hard.

1,542,577. ADDRESSING OR LIKE PRINTING MACHINE. SAMUEL GEORGE WILLIAM PHIPPS, London, England, assignor to Roneo Limited, London, England, a British Company. Filed May 21, 1924. Serial No. 714,783. 5 Claims. (Cl. 101—49.)

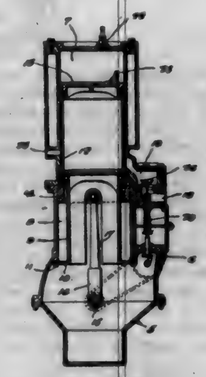
1. In addressing or like printing machines wherein envelopes are printed from stencil cards between a

segmented inking roller and a segmented presser roller means whereby the name and address of the sender, or other matter, may be printed upon the flap or back



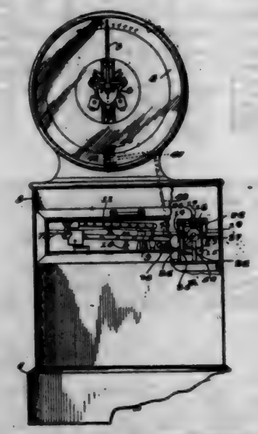
part of an envelope, label or the like, while the printing of the address upon the front or face of the envelope is being effected.

1,542,578. INTERNAL-COMBUSTION ENGINE. BYRON R. POOL and ANDREW E. POOL, Norris City, Ill. Filed Dec. 28, 1923. Serial No. 683,189. 1 Claim. (Cl. 123—50.)



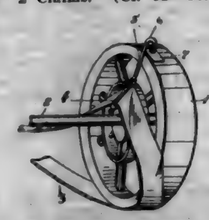
In an internal combustion engine, a crank case, a comparatively long cylinder carried thereby, a valved fuel intake disposed between the ends of said cylinder, a stationary piston attached to said crank case at its lower end and extending up into said cylinder, said stationary piston being of a diameter less than that of the cylinder, the cylinder being increased in diameter at its lower end to provide an annular space between its inner wall and the stationary piston, a movable piston mounted for reciprocation within said cylinder, the wall of said movable piston being interposed for sliding movement between the wall of the cylinder and said stationary piston, the lower end of said movable piston being increased in thickness to provide an annular rib, said rib being in slidable contact with the wall of the enlarged portion of the cylinder, the wall of said movable piston being formed intermediate its ends with a multiplicity of fuel intake points adapted for coaction with the aforesaid fuel intake, a baffle mounted on the upper end of said movable piston adapted to be disposed opposite the valved fuel intake at predetermined intervals, an operating means for the movable piston for alternatively compressing fuel charge between the two pistons and then between the movable piston and the top of said cylinder.

1,542,579. WEIGHING SCALE. ELMER C. POOL, New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 26, 1919. Serial No. 347,643. 36 Claims. (Cl. 265—48.)



1. In a weighing scale, in combination, a frame, a scale beam, a plurality of weights arranged side by side above the scale beam, a support on the frame for the weights above the beam, and mechanism operating in the frame for lifting the weights from the support and lowering them onto the beam.

1,542,580. DEVICE FOR REPLACING BELTS. GEORGE H. PRICE, Corsicana, Tex. Filed Apr. 7, 1924. Serial No. 704,606. 2 Claims. (Cl. 64—51.)

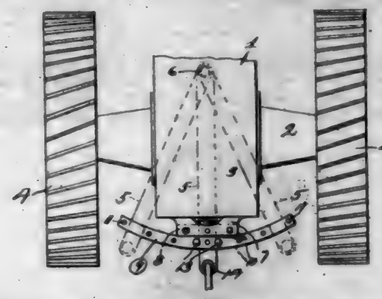


1. A belt applying device including a wheel engaging plate having a hobbed surface; a bar pivoted to said plate and bent at right angles thereto; a second bar pivoted to the free end of the first bar and having its opposite end bent in parallel relationship to the body thereof to engage a belt.

1,542,581. TRACTOR DRAWBAR. WILLIAM R. PHILIPP, Meservey, and JAY T. GRIGGS, Goodell, Iowa. Filed July 22, 1924. Serial No. 727,448. 1 Claim. (Cl. 280—33.12.)

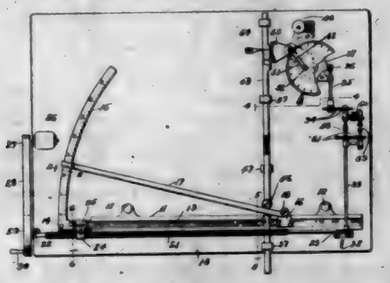
The combination with the rear end of a pivoted tractor draw bar movable in a horizontal plane and extending beyond the rear side of a differential, of a guide bracket for the rear end of said draw bar, said guide bracket comprising horizontally disposed registering arcuate members, one of said members having its ends provided with downwardly extending integral spacing lugs engaging the other arcuate bar, the lug carrying

bar being provided with a horizontally disposed integral extension, a horizontally disposed bracket carried by the differential casing and secured to the upper side of the



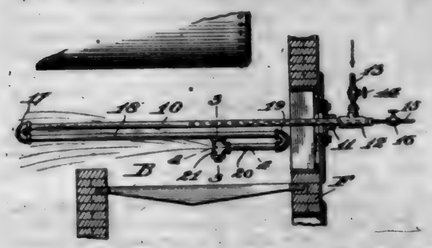
extension and spaced pins extending through registering apertures in the arcuate bars at opposite sides of the draw bar.

1,542,582. CAM-FORMING MACHINE. PAUL A. RAICHE, Providence, R. I. Filed Jan. 16, 1924. Serial No. 686,682. 5 Claims. (Cl. 33—27.)



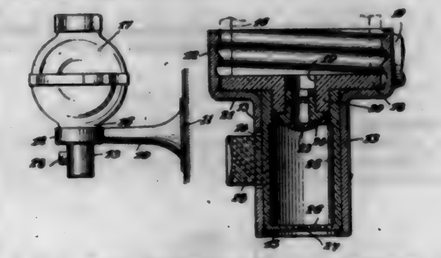
1. In an automatic cam-forming machine, a tool, a pivoted tool-carrying arm, means for rotating the work relatively to the tool, a traveling inclined bar adapted to be set at different angles to its path of travel, a segment, a rack bar moved by said inclined bar to rotate said segment and to act upon said arm to determine the rate of movement of said arm relative to the speed of rotation of the work whereby the tool is caused to develop the shape of the cam on the work.

1,542,583. GASEOUS-FUEL BURNER. JOHN V. ROBERTS, Los Angeles, Calif. Filed June 12, 1924. Serial No. 719,524. 1 Claim. (Cl. 158—63.)



A gaseous fuel burner comprising an elongated tubular member that is arranged to form a pair of relatively long legs, one of which is disposed directly above the other and a third relatively short leg that is disposed directly beneath the front end portion of the lower one of said long legs, a reducing nipple on the forward end of the upper one of the longer tubular legs, a fluid fuel supply pipe connected to said reducing nipple and into and through the upper longer leg for approximately half its length, a fluid pressure supply pipe connected to said reducing nipple, a short vertically disposed hollow cylindrical burner head connected to the rear end of the short tubular lge, said burner head being disposed forwardly with respect to the rear end of the fuel supply pipe in the upper one of the long legs, plugs removably seated in the upper and lower ends of the cylindrical burner head and said burner head being provided its rear wall with a centrally arranged horisontally disposed slot that occupies the same plane with the center of the short leg to which said burner head is connected, so that the fluid fuel mixture that discharges through the short lower tubular leg, passes directly across the chamber within said burner head and discharges through the jet orifice formed by said horisontally disposed slot.

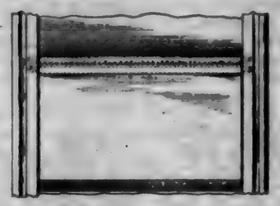
1,542,584. LIQUID-DISPENSING DEVICE. WILLIAM H. ROSS, Jersey City, N. J. Filed Oct. 6, 1924. Serial No. 741,901. 6 Claims. (Cl. 221—94.)



1. In a liquid dispensing device, in combination, a reservoir support having three openings therein, means for frictionally holding a flap valve over one support opening, a flap valve, means for frictionally holding a removable bag reservoir within the support and exterior of the flap valve and a bag having a slit valve opposite one support opening and an integral plunger extending through the remaining support opening.

6. In a liquid dispensing device, in combination, a reservoir support having three openings therein, a removable check valve over one support opening and a removable bag reservoir exterior of the check valve and within the support, the sides of the bag practically abutting upon the sides of the support and having a slit valve in alignment with one support opening and having an integral plunger extending through the other support opening.

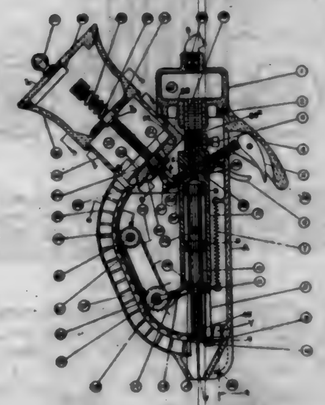
1,542,585. LISTING DEVICE. ANDREW F. ROSENBERGER, Chicago, Ill., assignor, by mesne assignments, to Acme Card System Company, a Corporation of Illinois. Filed May 28, 1914, Serial No. 841,451. Renewed Sept. 10, 1919. Serial No. 322,986. 3 Claims. (Cl. 129—16.)



1. The combination with a frame adapted to receive a plurality of overlapping cards, said frame having spaced flanges, of a card support having an open loop

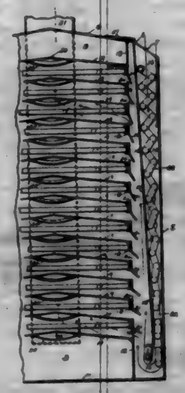
flexible hinge portion and means for holding said card support in said frame comprising a resilient member adapted to extend through the open loop of the card support with its ends projecting therefrom, said card support and hanger being bendable whereby the ends of the latter may be sprung into position beneath said flanges.

1,542,586. AUTOMATIC PORTABLE NAILING MACHINE. DAVID N. RUBIN, Winthrop, and BENJAMIN SHAPIRO, Boston, Mass. Filed Oct. 25, 1922. Serial No. 596,777. 5 Claims. (Cl. 1—48.)



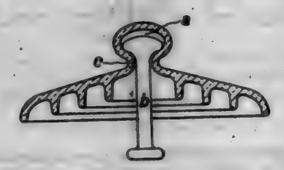
1. In a tacking machine, in combination, driving mechanism, operating mechanism for said driving mechanism, controlling means for said operating mechanism, a tack hopper, a tack raceway leading from said hopper to said driving mechanism, and means operated by said controlling means for forcing the tacks one by one from said hopper into said raceway.

1,542,587. DEHYDRATOR. HENRIK J. SCHMIDT, Jacksonville, Fla., assignor to Florida Dehydrating and Preserving Co., Jacksonville, Fla., a Corporation of Florida. Filed Dec. 21, 1923. Serial No. 682,092. 5 Claims. (Cl. 34—39.)



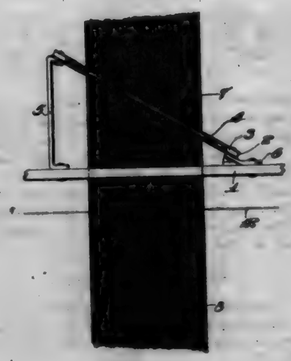
1. In a dehydrating apparatus; downwardly tapering, cold air intake passages located on opposite sides of the apparatus; means for heating the air passing through these passages; upwardly tapering, hot air distributing passages located adjacent to and communicating with the first mentioned passages; the walls separating said cold air and hot air passages constructed of thin metal so as to allow radiation from one passage to another; and the tapers of said passages such, that the combination of the tapers with the radiation through the thin metal walls will cause a relatively even temperature of the air through the whole length of the hot air distributing passages.

1,542,588. METHOD OF MAKING SUSPENSION INSULATORS OF GLASS. ERICH SCHOTT, Jena, Germany, assignor to the Firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Filed Feb. 6, 1925. Serial No. 7,438. 1 Claim. (Cl. 49—81.)



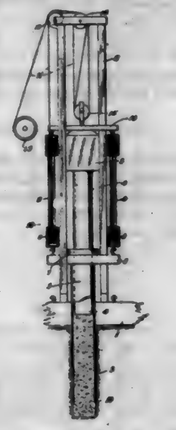
Method of making suspension insulators of glass, consisting in this that a glass body is first shaped in such a way as to receive a hollow space, adapted to receive a clapper, that thereupon a clapper is inserted and finally the glass is pressed round the clapper, so that after the hardening of the glass the said clapper cannot be pulled out from the said hollow space.

1,542,589. NECKTIE FABRIC. CHARLES SEIDMAN, Philadelphia, Pa. Filed Sept. 27, 1923. Serial No. 665,077. 1 Claim. (Cl. 139—384.)



As a new article of manufacture a fabric for neck ties having selvage edges throughout its length said fabric having the weft threads woven diagonally with respect to the lines of warp threads and having the respective ends of the fabric cut in parallelism with the line of said weft threads, the neck band portion of the fabric being narrowed and the opposite ends thereof flaring.

1,542,590. FORMING CAST-IN-PLACE PILES. JOSEPH HARRY THORNLEY, New York, N. Y. Filed Mar. 6, 1923. Serial No. 623,097. 10 Claims. (Cl. 61—5.)



1. The process of withdrawing from the ground a form surrounding a formed concrete pile, and dividing the reaction pressure from said withdrawal between the formed concrete pile and the surface of the ground in a substantially constant predetermined proportion.

1,542,591. SEPARATOR STRIP FOR CONCRETE FLOOR CONSTRUCTION. ARLANDO M. VANDIVIER, Indianapolis, Ind. Filed Feb. 29, 1924. Serial No. 695,885. 1 Claim. (Cl. 72—101.)

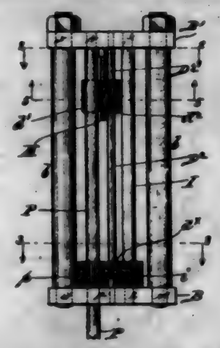


A pattern and guide strip comprising a strip of flat metal having a straight edge and having a plurality of tongues each struck up to extend transversely of the strip and leave an opening in the strip, one wall of which is provided with an offset shoulder in a plane below the plane of the top of the tongue, the bottoms of said tongues being in the same plane as the bottom of the strip and the tongues being adapted to project from opposite sides of the strip.

1,542,592. METHOD AND APPARATUS FOR MAKING LAMP FILAMENTS. ANTON VELTING, Maspeth, N. Y. Filed Oct. 31, 1923. Serial No. 671,850. 4 Claims. (Cl. 153—65.)

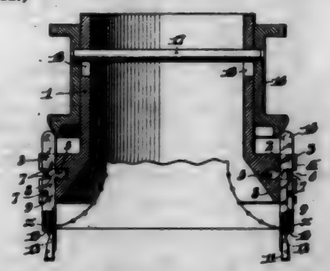
1. The method herein set forth of convoluting filaments for incandescent electric lamps of the character designated, consisting in passing the filament wire over a fixed mandrel and between a plurality of formative dies having peripheral thread-grooves of like pitch and depth and relatively positioned to afford a spiral matrix by and between their opposed surfaces and said fixed mandrel, holding said mandrel fixed during such operation and removing the completed filament from the mandrel, substantially in the manner and for the purpose set forth.

2. Apparatus for convoluting filaments for incandescent lamps of the character designated, comprising a fixed mandrel independent of the completed filament, and a plurality of formative dies each with its own pinion and



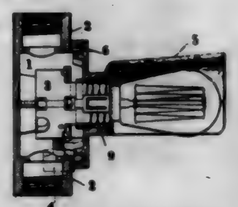
having peripheral thread-grooves of like pitch and depth and relatively positioned to afford a spiral matrix by and between their opposed surfaces and said fixed mandrel, substantially in the manner and for the purpose set forth.

1,542,593. DEVICE FOR TRANSFERRING KNITTED WEBS. LOUIS N. D. WILLIAMS, Ogonts, Pa. Filed Feb. 23, 1923. Serial No. 620,590. 9 Claims. (Cl. 66—82.)



1. A device for transferring knitted webs including means adapted to be aligned with the needles of a knitting machine to impale the fabric stitches upon said needles, said means being supported with capacity for lateral movement relative to the needles to place the fabric stitches within the needle hooks.

1,542,594. LIGHTING FIXTURE. JOHN A. AMOS, St. Louis, Mo., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo., a Corporation of Missouri. Filed June 9, 1924. Serial No. 718,765. 3 Claims. (Cl. 240—73.)



1. In a lighting fixture, the combination of a housing a lamp socket therein, a switch in the housing having an operating stem extending to the exterior of the housing through an open ended slot in said housing, and a lamp

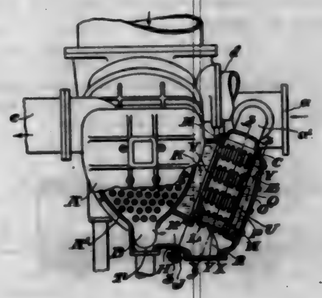
shield having an integral base portion forming a cover for the housing, said cover portion being provided with a lug forming a stop limiting movement of the switch stem in the housing slot.

1,542,595. DOOR. BENJAMIN H. ANIBAL, Cleveland, Ohio. Filed June 4, 1923. Serial No. 643,291. 2 Claims. (Cl. 296—48.)



2. A vehicle door having a transparent upper portion consisting of a triangular stationary panel and a movable panel having parallel sides and of parallel upright guides for said movable panel.

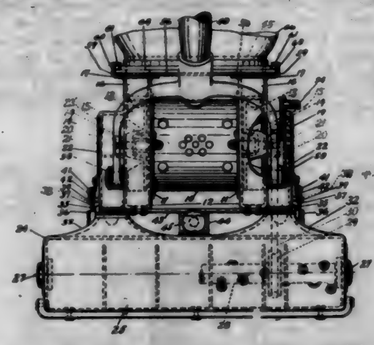
1,542,596. CONDENSING UNIT. PAUL A. BANCEL, Nutley, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 10, 1923. Serial No. 631,106. 5 Claims. (Cl. 257—43.)



1. A condensing unit comprising a surface condenser having condensing elements and a shell larger at the top and smaller at the bottom with a vapor inlet at the top and an outlet at the bottom, and a cooler having devaporizing and cooling elements and a casing larger at the bottom and smaller at the top with a vapor inlet at the bottom and an outlet at one end, one side of the cooler casing being removably connected against the side of the condenser shell with provision for a water space between the condenser and cooler, and connections for passing water through the condensing elements of the condenser, and through the cooling and devaporizing elements of the cooler.

1,542,597. SUCTION CLEANER. ALBERT H. BATES, Elgin, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed May 13, 1922. Serial No. 560,536. 3 Claims. (Cl. 15—8.)

2. In combination with a suction-cleaner provided with two distinct suction-creating devices each having an inlet-conduit, a cleaning-nozzle provided with two discharge-passages arranged symmetrically with respect to



the length thereof and registering with said inlet-conduits, said cleaning-nozzle being held resiliently in contact with said inlet-conduits.

1,542,598. MEANS FOR PLUGGING CRUCIBLES. EDWARD F. BROTRUP, Jersey City, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Jan. 29, 1923. Serial No. 615,499. 8 Claims. (Cl. 263—48.)



1. Means for plugging the tap-hole of a crucible containing hot molten metal, said means consisting of solid metallic material in calculated amount to insure melting thereof by the molten metal in a predetermined time.

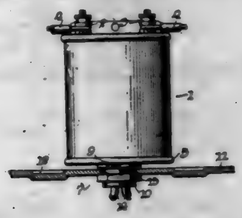
1,542,599. COMBINATION GAS ANCHOR AND SAND SETTLER WITH PERFORATIONS. HOWARD B. Blanton, Iowa Park, Tex. Filed Aug. 18, 1924. Serial No. 732,820. 3 Claims. (Cl. 103—220.)



1. In a devicee of the character described, the combination with a pump casing and a sand trapping chamber, of a separating barrel interposed between said cas-

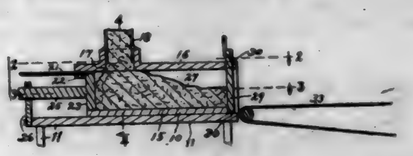
ing and trapping chamber, said barrel being substantially square in cross section and having a cylindrical passage way therein communicating with said pump casing and sand trapping chamber, a plurality of longitudinally extending oil conducting channels formed in the ways of said barrel opening exteriorly of the barrel at their upper ends and interiorly of the barrel at their lower ends, and said passage way reducing in diameter towards its lower end.

1,542,600. TRANSFORMER HOUSING AND MOUNTING MEANS. EDWARD C. BOSCHEN, Chicago, Ill. Filed June 22, 1921. Serial No. 479,459. 2 Claims. (Cl. 247—1.)



1. As a new article of manufacture a transformer including a metallic sealed casing having a metallic nipple of a standard size rigidly secured thereto and provided with means whereby it may be secured in a similar standard opening in a metallic electrical apparatus housing and insulated conductors connected to a winding in the casing and extending therefrom through the nipple.

1,542,601. ART OF PRODUCING GYPSUM BLOCKS. OTTO E. BORNHAUSER and JOHN EDWARD HERMAN, Sandusky, Ohio. Filed June 5, 1924. Serial No. 718,004. 8 Claims. (Cl. 18—47.5.)



1. In the art of making gypsum blocks, a process comprising the mixing of solid matter consisting largely of calcined gypsum with water or liquid the quantity of which is greater to such an extent than the amount of liquid required for moistening the solid matter other than said calcined gypsum that the amount of liquid in excess of the liquid required for said moistening shall be not over about one and one-half times and not appreciably less than the amount of water of crystallization in the raw gypsum used in producing said calcined gypsum and thereby producing a nonpourable mass, then supplying a predetermined amount of the mixture from said mass to the interior chamber of a mold for forming the desired block, and then exerting pressure on the body of material supplied to the mold and thereby completing the formation of said block.

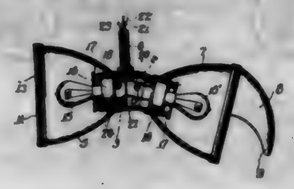
1,542,602. HEEL. LEON BUCKNER, New York, N. Y. Filed Sept. 27, 1921. Serial No. 503,540. 4 Claims. (Cl. 36—36.)

1. A heel provided with a recess extending therethrough, part of the recess being enlarged to form a socket, in combination with a ball-headed nail, provided with a shoulder below the head, the nail being driven in through the recess in the heel into the shoe so that the shoulder contacts against the shoe and the head of the nail engages in the socket, the recess being shaped



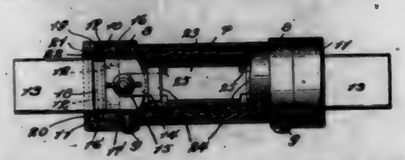
so that the heel can be removed without injury thereto by pulling it away from the shoe, the nail remaining in the shoe.

1,542,603. BOWLING-ALLEY LAMP. GUSTAVE BURKHARDT, Chicago, Ill. Filed Nov. 20, 1922. Serial No. 601,999. 9 Claims. (Cl. 40—132.)



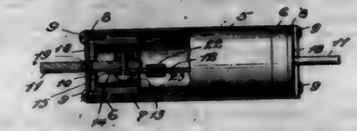
1. In a bowling alley lamp, a fixture support having a forwardly extending tubular portion parallel with the alley and a rearwardly and downwardly inclined tubular extension adapted to be disposed directly above and in front of the head pin position, illuminating means in the tubular portions, that in the inclined portion being adapted to illuminate the pins, and means extending in front of the other tubular portion bearing a designation of the alley visible from the other end of an alley to which it is applied.

1,542,604. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,368. 13 Claims. (Cl. 200—132.)



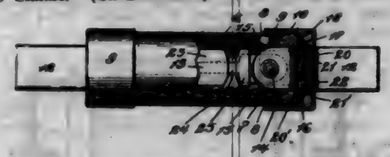
1. In a refillable fuse, a casing, a closure, a knife blade terminal, a detachable link holding means therefor, a member permanently fitted upon the casing having its interior arranged to permit the terminal and link holding means to pass through and to removably position it therein against rotational movement.

1,542,605. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,369. 8 Claims. (Cl. 200—132.)



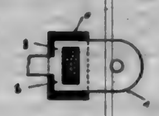
1. In an enclosed fuse, a casing, a member permanently attached to the casing, a flat-blade terminal adapted to be passed through said casing, a closure and means extending through the end face of the member for detachably securing the closure.

1,542,606. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Filed May 7, 1919. Serial No. 295,372. 15 Claims. (Cl. 200—132.)



1. In an enclosed knife blade fuse, a casing, a flat blade terminal, a member permanently attached to the casing and adapted to prevent the rotation of the terminal and means seated on said member for wedging the terminal and holding it against longitudinal movement.

1,542,607. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Original application filed May 7, 1919, Serial No. 295,369. Divided and this application filed Jan. 17, 1922. Serial No. 529,966. 2 Claims. (Cl. 200—135.)



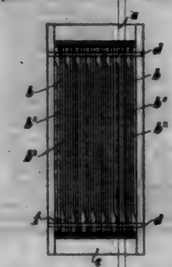
1. A fuse link having an area of reduced cross section, and an area of greater cross section, said area of greater cross section having a portion for terminal connection, the remaining portion of the area of greater cross section having an aperture therein.

1,542,608. ELECTRIC FUSE. HENRY T. BUSSMANN, St. Louis, Mo. Original application filed May 7, 1919, Serial No. 295,368. Divided and this application filed Jan. 17, 1922. Serial No. 529,969. 1 Claim. (Cl. 200—135.)



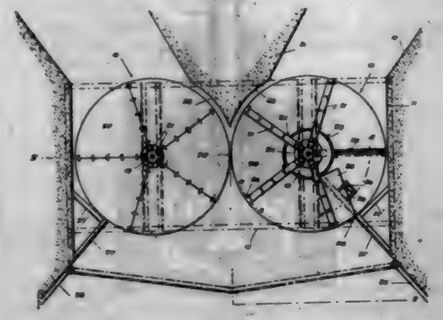
A fuse link having end portions and an intermediate portion, the end portion being of substantially uniform reduced cross section and an arc shield upon an end portion thereof.

1,542,609. REED FOR WEAVERS' LOOMS. ERNST BUSCHMANN, Ronsdorf, Germany. Filed Jan. 12, 1924. Serial No. 685,937. 5 Claims. (Cl. 139—192.)



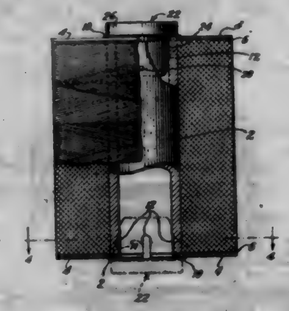
1. In a reed structure of the type set forth, a frame including transverse top and bottom bars, and a reed supported therein comprising a plurality of reed blades all extending and operable in the same plane, certain of these blades being rigidly supported at both ends in said top and bottom bars respectively, certain other blades being fixed only at the upper ends in said top bar, and still others fixed only at their lower ends in said bottom frame bar.

1,542,610. WATER MOTOR. FRANK CHAPMAN, Winamac, Ind. Filed May 1, 1924. Serial No. 710,348. 1 Claim. (Cl. 170—115.)



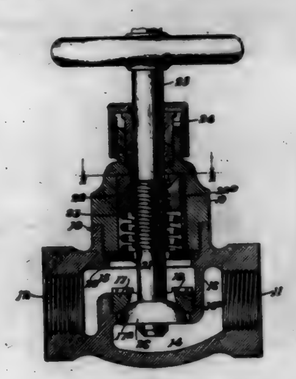
A water motor comprising a rotor rotatable about a vertical axis and having vertically spaced disks and a cylindrical central portion, radial blades between the disks and hinged at their upper edges to the corresponding disks above the blades to swing rearwardly and upwardly toward said disks, the inner ends of said blades extending to the central portion of the rotor, a water deflector extending between the disks to said central portion of the rotor and having slots for the passage of disks and the blades when swung rearwardly and upwardly, and stops carried by the corresponding disks below the blades for the contact of the lower edge portions of the blades when the blades are swung forwardly to operative position.

1,542,611. SPOOL. ROBERT K. CLARK, Springfield, Mass., assignor to The American Thread Company, New York, N. Y., a Corporation of New Jersey. Filed Nov. 19, 1924. Serial No. 750,798. 6 Claims. (Cl. 242—118.)



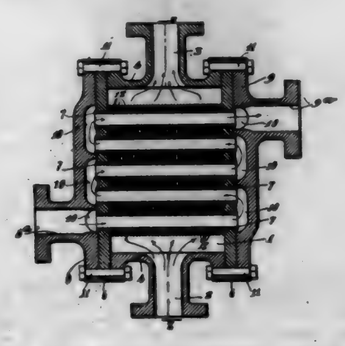
1. A spool comprising a tube, a head for one end of the tube comprising an annular disk, and means for securing the disk to said end of the tube in fixed position relatively thereto comprising a member having an annular portion having a plurality of lugs projecting upwardly from its inner periphery, each of said lugs having an outward projection adjacent its end embedded in the inner surface of said tube, the ends of said lugs being passed through said annular disk, inserted in said end of the tube, and then pressed outwardly against the inner surface of said tube to cause said projection to be pressed into said inner surface said member engaging said disk so as to hold it fixed relatively to said tube.

1,542,612. VALVE. LLOYD D. COLLAR, Alameda, Calif., assignor to Collar Valve Corporation, Oakland, Calif., a Corporation of California. Filed Jan. 30, 1924. Serial No. 689,546. 2 Claims. (Cl. 251—38.)



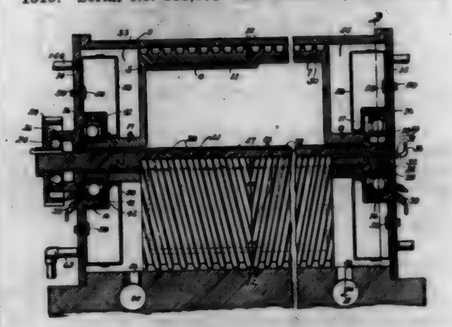
1. A valve comprising a valve body having inlet and outlet chambers, a partition wall between said chambers, said wall being formed with a valve opening surrounded by a divergent convex valve seat, a cylindrically bored bonnet on the valve body mounted on the body at right angles to the longitudinal axis of the inlet and outlet chambers and in alignment with said valve opening, a sleeve in said bonnet and mounted therein for reciprocating movement only, an annular member in the valve body at the bottom of the bonnet, an expansion spring in the bonnet and interposed between the sleeve and said annular member, a valve stem reciprocably mounted in the bonnet and threaded through said sleeve, a valve member having a divergent convex face carried at the lower end of said stem for co-operation with said convex valve seat.

1,542,613. HEAT EXCHANGER. EDWIN R. COX, Los Angeles, Calif. Filed Oct. 31, 1921. Serial No. 511,602. 4 Claims. (Cl. 257—262.)



1. In a heat exchanger, a plurality of fin plates, each of said plates having a plurality of similarly spaced transverse tapered orifices and laterally projecting converging lips surrounding said orifices, a plurality of tubes extending through aligned orifices of said fin plates and with the lips of each orifice nested into its aligned adjacent orifice, and means wedging said lips firmly between the tube wall and lips of the adjacent fin plates.

1,542,614. ROTARY ENGINE. LEWIS M. ELLIS, Toledo, Ohio, assignor, by direct and mesne assignments, to Winslow Safety High Pressure Boiler Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 7, 1919. Serial No. 288,173. 10 Claims. (Cl. 121—70.)

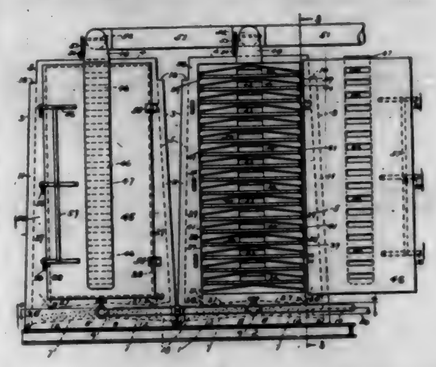


1. In a rotary engine, a casing formed with two parallel intersecting cylindrical chambers, rotors in each of said cylinders having intermeshing herringbone teeth formed thereon, each of said herringbone teeth extending 180 degrees about the periphery of said rotors, each of said rotors comprising two hollow cylinders, one of said cylinders having a reduced flange thereon adapted to engage in said other cylinder.

1,542,615. COMPOSITION OF MATTER FOR MAKING FLUSH TANKS, WATER-CLOSET SEATS, AND COVERS. EDWARD FRANCIS GERMAIN, Saginaw, Mich., assignor, by mesne assignments, of three-fourths to L. Germain, jr., trustee, Pittsburgh, Pa. Filed June 19, 1923. Serial No. 646,474. 4 Claims. (Cl. 106—31.)

2. A composition of matter, containing fourteen to seventeen parts of gilsonite, ten to sixteen parts of fine asbestos, and three to six parts of long asbestos fibre, substantially as described.

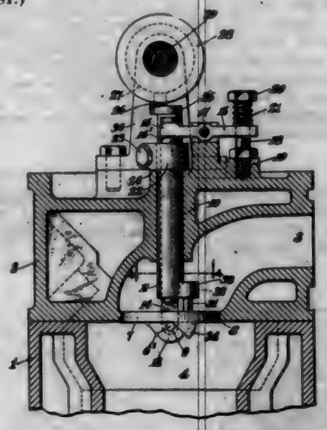
1,542,616. DEHYDRATOR. CHARLES A. GREEN, Whitehouse, Fla., assignor, by mesne assignments, to Florida Dehydrating and Preserving Co., Jacksonville, Fla., a Corporation of Florida. Filed Aug. 26, 1922. Serial No. 584,450. 8 Claims. (Cl. 34—39.)



1. In a dehydrating apparatus; an air heating chamber, having means for heating the air passing through it; means for dividing the heated air into two currents; tapered hot air passages for evenly distributing these currents; the inner walls of said tapered hot air passages

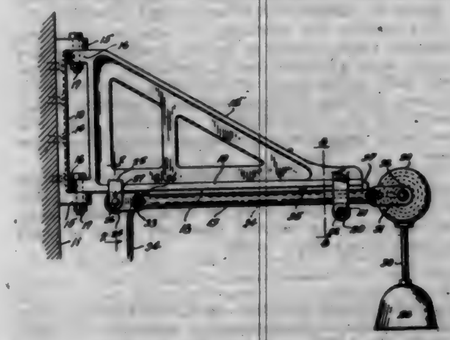
provided with horizontal rows of passages communicating with the dehydrating compartment; and said rows of passages so situated as to direct the currents directly under each tray in the dehydrating compartment.

1,542,617. VALVE MECHANISM. FREDERICK M. GUY and ORMOND D. HEAVENRICH, Ypsilanti, Mich. Filed Oct. 8, 1921. Serial No. 506,264. 15 Claims. (Cl. 123—81.)



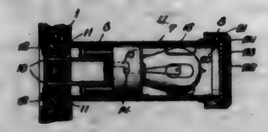
1. In a valve construction, the combination of a member having a passageway and a port therein with a valve seat of spherical curvature extending around the edge of the port, a disc valve having a spherical seating surface about its edge, formed about the same center as said seat, adapted to fit within said port, said center being in the axis of said port, at a short distance from the plane normal to said axis midway between the upper and lower edges of the port, means providing a center of rotation for said valve, situated at the center of curvature of the valve, means supporting said center means, adjustable in the axial direction of said port, and means for swinging said valve about said pivot, through said port, to open and close the same.

1,542,618. ADJUSTABLE BRACKET. WILLIAM LINDHOLM, Bridgeport, Conn. Filed Nov. 9, 1923. Serial No. 673,741. 2 Claims. (Cl. 248—1.)



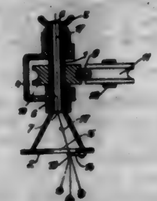
1. In a supporting bracket, a support adapted to be secured to a vertical wall, an arm pivoted to said support and adapted to swing in a horizontal plane, said arm having a straight lower edge, a supporting means projecting below said edge adjacent the outer end of the arm, a tubular support mounted to reciprocate on said supporting means longitudinally of said lower edge, the outer end of said tube being split to provide spaced arms, a support mounted between said arms, the inner end of the tube being also split to form spaced arms, a roller mounted between said arms and adapted to run on said lower edge, and means to prevent said roller moving away from said arm.

1,542,619. LAMP MOUNTING. ALBERT B. LOCKE, Chicago, Ill. Filed July 26, 1922. Serial No. 577,716. 2 Claims. (Cl. 40—131.)



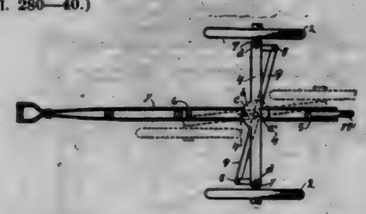
1. A lamp mounting for a switch panel having front and back plates, comprising a lamp socket support to be removably secured to the panel back plate, a tubular lamp housing detachably secured to the support and arranged to extend through the panel front plate, and a designation holder at the end of the housing to close the same and carry marks of identification.

1,542,620. SPINNING AND PIECING APPARATUS. BERNARD LOEWE, Zurich, Switzerland. Filed May 13, 1924. Serial No. 713,068. 3 Claims. (Cl. 117—1.)



1. In a spinning machine, spinning devices comprising each a spinning tube provided with spinning eyes, at least one disc capable of rotating about the axis of said tube, a filament guide mounted on said disc in an eccentric manner relatively to the axis of said spinning eyes so as to polish and even the filaments during their passing through said guide and the next spinning eye.

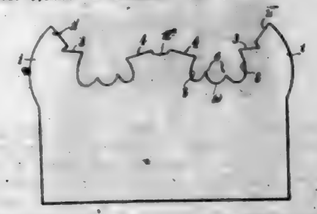
1,542,621. CART. ABRAHAM J. LONGSTRETT, FRANK A. CALIFF, and FRED J. BLAKESLEE, Grand Rapids, Mich. Filed Feb. 8, 1924. Serial No. 691,893. 3 Claims. (Cl. 280—40.)



1. In combination with the wheels, the axletree and the supporting beam of a cart, a plate secured to the supporting beam of the cart longitudinally thereof and having upwardly extending arms integral therewith, said supporting beam and plate supported upon the axletree, a cross plate immediately above the longitudinal plate and having its ends securely attached to the ends of the axletree, and integral arms extending upwardly from

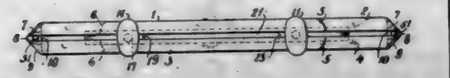
the plate at the ends of the axletree, the axletree and the cross plate pivotally connected with the supporting beam, a wheel bearing pivotally connected with each end of the axletree, and a rod so connected with said pivotal end bearings that when the axletree and the plate are carried around parallel with the supporting beam the wheels will be, also carried into a position parallel with the supporting beam.

1,542,622. SLEEVELESS ONE-PIECE ROBE. MARY R. LUCK, Dallas, Tex., assignor of one-half to N. R. McElroy, New Orleans, La. Filed Feb. 12, 1925. Serial No. 8,809. 2 Claims. (Cl. 2—74.)



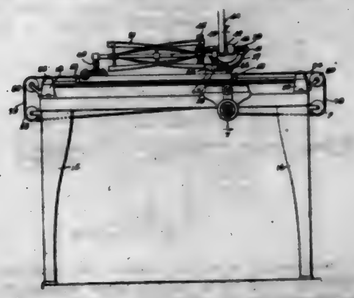
1. A sleeveless one-piece robe as described composed of a single sheet of material, having parallel opposite side edges, said piece being provided at its opposite top corners with arch-shaped projecting portions forming lapels when folded over, said sheet having a central upwardly projecting portion in its top edge adapted to be joined to the ends of said lapels, recesses between the central projecting portions and said lapels for arm holes and smaller recesses in the arm hole portions to form pleats when the robe is sewn together.

1,542,623. AUTOMOBILE BUFFER DEVICE. GEORGE ALBERT LEON, Allenhurst, N. J. Filed May 31, 1923, Serial No. 642,450. Renewed Nov. 20, 1924. 20 Claims. (Cl. 293—55.)



14. The automobile buffer front member formed of wide steel strip and having integral angularly folded portions.

1,542,624. GRINDING MACHINE. JAMES D. MCCLELLAND, Mount Vernon, N. Y. Filed Aug. 23, 1921. Serial No. 494,590. 2 Claims. (Cl. 51—95.)



1. A machine for sharpening lawn mower blades while arranged in tubular form, comprising a frame, a sliding member arranged on said frame adapted to slide longitudinally of the frame, a pair of guide rails for causing the sliding member to move in a straight line, a pair of belts, said belts being connected to the opposite ends of said sliding member, a plurality of guides for guiding said belts to a central position beneath said sliding member, a pair of drums operatively associated with said belts for causing one belt to be pulled while the other is released and thereby cause a movement of said sliding member, a pair of supports mounted in said sliding member for rotatably supporting a group of lawn mower blades arranged in tubular formation, means for adjusting one of said supports laterally so that the edge of said blades will move in a plane parallel to the movement of said sliding member, a grinding member carried by said frame, means for adjusting said grinding member toward and from the path of movement of said blades, and a support arranged adjacent the grinding member adapted to engage the under face of each of said blades as it is being operated on by said grinding member, said blades being positioned to be engaged by said grinding member one at a time.

1,542,625. SLED ATTACHMENT FOR AUTOMOBILES. HAROLD L. MACGOWN and HARRY G. CLARK, Gorham, N. H. Filed Apr. 5, 1923. Serial No. 630,105. 4 Claims. (Cl. 180—5.)



1. An attachment for automobiles consisting of a unit comprising a frame, means to mount the frame to rock in a vertical plane, a follower idler wheel mounted in said frame at the rear end adapted to track a drive wheel of an automobile, a traction chain adapted to run about said follower wheel and about the drive wheel of the automobile, means to actuate said chain from the automobile wheel, and a sled runner on said frame at the front end and pivoted thereon to rock vertically, said idler at the bottom thereof being at an elevation to position said traction chain to run on the ground substantially in alinement with said runner.

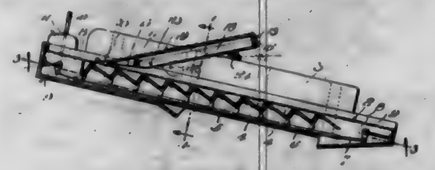
1,542,626. BITUMINOUS EMULSION. HUGH ALAN MACKAY, London, England, assignor to Asphalt Cold Mix Limited, London, England. Filed Apr. 11, 1923. Serial No. 631,471. 17 Claims. (Cl. 134—1.)

4. A process for producing an aqueous bituminous emulsion, which consists in melting bitumen and adding thereto with agitation first a proportion of a higher fatty acid in the region of 2½–5% by weight on the bitumen, and then a dilute solution of alkali at a temperature of about 215°-225° F., the heating and agitation being maintained until emulsification has taken place.

14. A bituminous emulsion comprising bitumen, water, and a proportion of fatty acid in the region of 2½%–5% by weight on the bitumen in the form of an alkali soap, the whole being an intimate admixture which is liquid in the cold and pours readily.

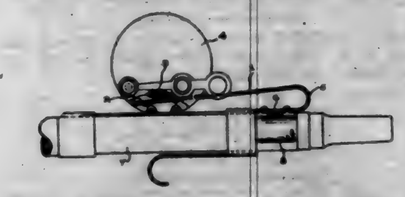
1,542,627. COAL WASHER AND SEPARATOR. WILLIAM F. MARTIN, Harrisburg, Pa. Filed Jan. 10, 1925. Serial No. 3,461. 3 Claims. (Cl. 82—56.)

1. A device of the class described comprising an inclined frame having parallel side walls, an inclined screen substantially co-extensive with said frame and secured thereto below the upper edges of said side walls, a second relatively small frame over said screen inclined in the opposite direction and having at least its lower portion received between said side walls, said walls and the side members of said second frame having transversely alined openings, a rod passing through said openings and constituting a pivot about which the second frame may be tilted, a cross bar upon which the upper end of said second frame rests, the ends of said cross bar resting upon the upper edges of the aforesaid side



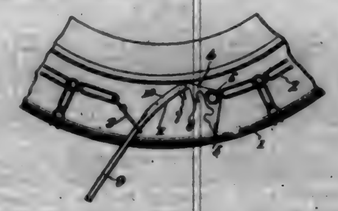
walls and being adapted to be slid longitudinally thereof to support the second frame at different inclinations, means for normally securing said cross bar against sliding on said side walls, and a relatively coarse screen secured to said second frame and having a flexible lower end extending beyond the same onto the first named screen.

1,542,628. AUTOMATIC THUMBER. JOHN MASON and HERMAN MUELLER, Chicago, Ill. Filed Oct. 27, 1924. Serial No. 746,166. 1 Claim. (Cl. 242—84.5.)



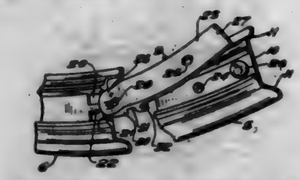
In a reel brake, the combination with a fishing rod and a reel mounted thereon, of a resilient shank provided at one extremity with a brake element for bearing contact with the coiled portion of a fishing line carried upon the reel and at the remote extremity with a return bend provided at the end of the bent back portion with a resilient clip for frictional sliding engagement with the fishing rod.

1,542,629. TIRE-CHAIN TOOL. MARK HERBE MARSUBER, Cheyenne, Wyo. Filed May 4, 1923. Serial No. 636,603. 3 Claims. (Cl. 254—78.)



3. A non-skid tire chain applying tool formed of a bar having a shank adapted to be grasped by the hand and having a hook engaging element at its inner end for engagement with the hook of a non-skid chain, and the bar having its inner end portion disposed at a substantial angle to the shank and connected to the shank by a curved portion bowed toward the portion of the chain it engages and the concave surface of which is adapted to engage and guide a link of a chain into engagement with the hook as the bar is moved in the chain tightening direction.

1,542,630. COLLAPSIBLE TIRE RIM. JAQUELIN M. MEREDITH, Norfolk, Va., assignor of one-third to Harry C. Inman, Berwyn, Md., and one-third to Temple A. Nuckols, Norfolk, Va. Filed July 10, 1924. Serial No. 725,281. 5 Claims. (Cl. 301—33.)



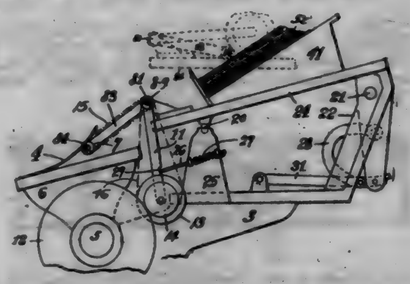
1. A collapsible tire rim composed of a number of segments having joints between adjacent ends, the ends of one segment being provided with a projecting tongue having an opening therethrough and an under transverse seat recess in rear of said tongue, and the end of the adjacent segment having a transverse slot with a longitudinal projection extending from the inner side wall thereof and an end cross bar to respectively and separably engage the opening in the said tongue and the said seat recess so as to form a double lock when the segments are normally positioned.

1542,631. SPARK PLUG. LEWIS MORRISON and THOMAS L. MORRISON, East Leavenworth, Mo. Filed July 13, 1923. Serial No. 651,314. 2 Claims. (Cl. 123—169.)



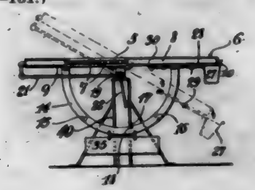
1. A spark plug comprising a body shell, a protecting cup at the lower end of the body shell, said protecting cup and body shell provided with registering recesses forming a slot, at their engaging portions, and a locking strip inserted through said recesses, the ends of said locking strip being bent back and engaging the outer surfaces of the body shell and cup.

1,542,632. PRINTING PRESS. LEWIS E. MORRISON, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed Aug. 14, 1924. Serial No. 731,945. 5 Claims. (Cl. 101—287.)



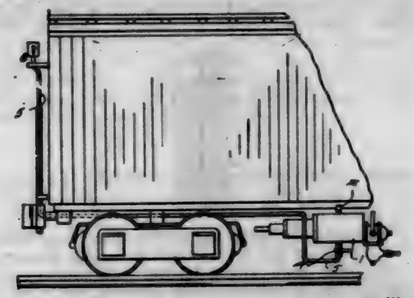
1. The combination of a press, a rotatable disk thereon, paper transferring means, a shaft in the same, a double pulley carried on said transferring means, a belt for driving said shaft from one of said pulleys, and means pivoted on said transferring means and in frictional driving contact with the said disk for driving the other of the said double pulley.

1,542,633. WORKTABLE FOR LITHOPRINTING. KNUD MUNCK, New York, N. Y., assignor to New York Blue Print Paper Co., Inc., a Corporation of New York. Filed Dec. 9, 1924. Serial No. 754,719. 2 Claims. (Cl. 101—131.)



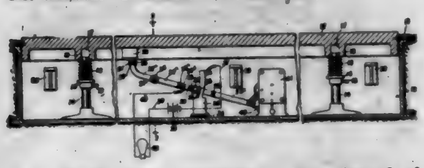
1. The combination of a stone table adapted to receive hot gelatine for the purpose set forth, means for tilting said stone table to cause the surplus gelatine to run off therefrom, a receptacle for said surplus gelatine automatically operable into receiving position when the said table is tilted, supporting means for said table and means for constantly cooling the said stone table to cause the gelatine to form a film thereon.

1,542,634. BRAKE RELEASE. MARION A. NYE, Erie, Pa. Filed Jan. 2, 1923. Serial No. 610,370. 1 Claim. (Cl. 303—70.)



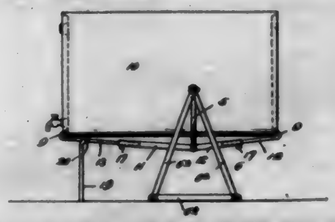
In combination with the plug opening of an auxiliary reservoir of an air brake system, an attachment consisting of a normally open cut-off valve applied to said opening, a release pipe extending from said valve, and said release pipe extending upwardly and adjacent its upper end having a release valve, said valve constituting the sole valve in said pipe whereby the pipe intermediate said valves is unrestricted.

1,542,635. CIRCUIT CLOSER. CARL JOHANNIS NYMAN, Winsted, Conn., assignors of one-half to Ralph W. Allen, Winsted, Conn., and one-half to Arthur B. Wellman, Torrington, Conn. Filed Apr. 7, 1923. Serial No. 630,672. 3 Claims. (Cl. 200—33.)



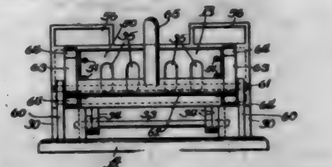
1. A circuit closer, comprising a lever formed of a plurality of insulated sections and pivoted adjacent one end, a sliding and spring pressed roller mounted in the intermediate section of the lever and arranged at one side thereof, and a fixed contact projecting upwardly at the side of the lever on which the roller is located and with which the said roller engages when the lever is swung from normal position, said fixed contact having on its lower part an insulating block with which the contact roller engages when the lever is in normal position.

1,542,636. BARREL SUPPORT. ALFRED OLSON, Clark, S. Dak. Filed Dec. 26, 1923. Serial No. 682,775. 1 Claim. (Cl. 248—52.)



A barrel stand comprising a pair of substantially triangular uprights disposed in transverse spaced parallelism, connecting members between the bottoms of said uprights, an arcuate cradle having its opposite ends pivoted to the upper ends of said uprights, longitudinally extensible barrel engaging devices extending in opposite directions from the center of said cradle, one of said devices being of a length greater than the remaining one to dispose the cradle at a point slightly beyond the transverse center of the barrel, and a depending prop pivoted at its upper end to the long barrel engaging device inward of the free end of the latter.

1,542,637. CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed May 7, 1923. Serial No. 637,165. 34 Claims. (Cl. 22—126.)



1. A casting mold comprising a bottom section, relatively movable side sections, and a metal plate adapted to be supported by certain of said sections and to form with said sections a molding receptacle when said sections are in closed position.

1,542,638. CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed May 12, 1923. Serial No. 638,638. 17 Claims. (Cl. 22—130.)

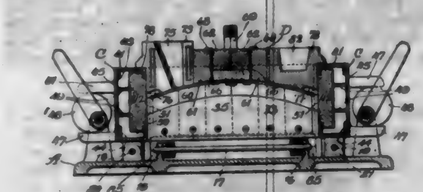


1. A multiple casting mold, comprising a plurality of bodily removable self-supporting repetition molding sections adapted to be assembled to form a plurality of permanent molding receptacles divided transversely by the sections, a flask holding said sections in predetermined assembled relationship to form such a plurality of molding receptacles, and a preformed self-supporting pouring gate cooperating with all of said receptacles.

1,542,639. CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed Apr. 11, 1924. Serial No. 706,778. 34 Claims. (Cl. 22—99.)

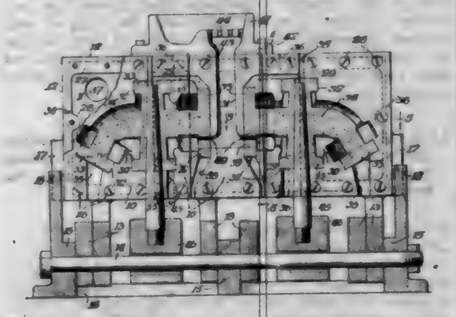
1. A mold for making castings, comprising an openable multi-part drag having a molding cavity therein formed

partially by each of the parts but open at the top, a closure for said cavity forming a continuous span be-



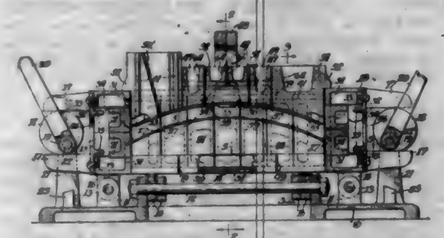
tween the parts of the drag, and means on said drag for clamping said closure in position by the closing of the drag.

1,542,640. PERMANENT CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed Nov. 8, 1924. Serial No. 747,481. 36 Claims. (Cl. 22—152.)



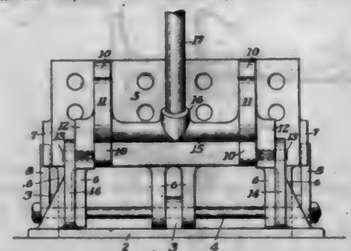
1. A permanent mold for iron and like castings comprising two hollow metal members having abutting inner walls provided with matrix portions of substantially uniform thickness spaced from the outer walls thereof, said hollow members having openings in their outer walls for the circulation of air therethrough and narrow slits dividing the inner walls thereof into separate sections and communicating with the matrix, substantially as described.

1,542,641. PERMANENT CASTING MOLD. CLIFTON D. PETTIS, New York, N. Y. Filed Nov. 28, 1924. Serial No. 752,547. 25 Claims. (Cl. 22—116.)



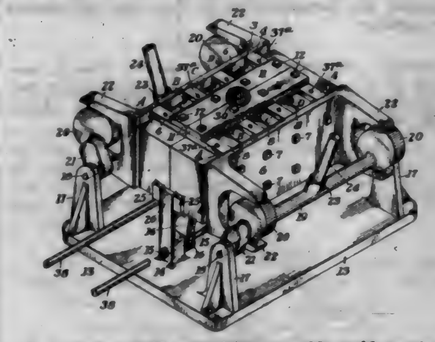
1. In a permanent mold for castings, mold members movable to and from closed position and each comprising a box-like metal frame or receptacle and a series of hollow metal blocks arranged side by side therein and each comprising side flanges and an inner wall forming a portion of the mold cavity and a portion of the parting surface of the mold member, said frame having means engaging a wall of said blocks, and a removable plate provided with means engaging the flanges of the blocks to removably hold the latter in position, substantially as described.

1,542,642. MOLD. CLIFTON D. PETTIS, New York, N. Y. Original application filed Nov. 8, 1924, Serial No. 747,481. Divided and this application filed Apr. 1, 1925. Serial No. 19,811. 11 Claims. (Cl. 22—92.)



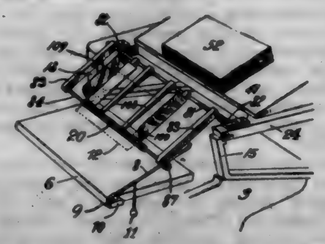
6. In a permanent casting mold, the combination of a base, a plurality of mold members pivotally mounted on said base and having outwardly projecting lugs, rock arms on said base, and eccentric cams on said arms engaging said lugs for opening and closing said members, the pivotal axes of said rock arms lying outside the peripheries of said cams, substantially as described.

1,542,643. MOLD AND METHOD OF MOLDING. CLIFTON D. PETTIS, New York, N. Y. Filed Apr. 10, 1925. Serial No. 22,180. 8 Claims. (Cl. 22—177.)



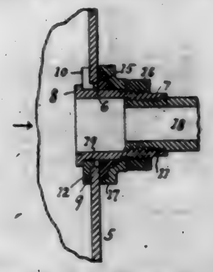
8. A casting mold comprising openable mold members, each comprising a plurality of sections, and a fluid supply connection to each of said sections, substantially as described.

1,542,644. PAPER-TRANSFERRING MECHANISM. S. HAINES PLUM, 2d, Madison, and PERCY L. SIBOLE, Newark, N. J., assignors to Klymax Feeder Company, a Corporation of New Jersey. Filed Aug. 30, 1924. Serial No. 735,060. 6 Claims. (Cl. 101—287.)



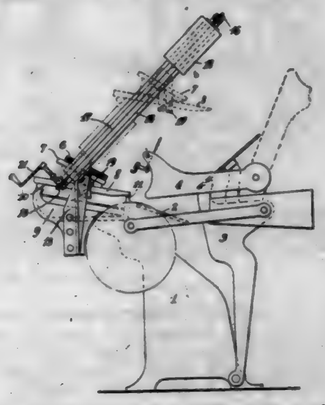
1. The combination of a press having a platen, paper transferring means, a shaft in the latter over which shaft and in contact with which the paper passes onto the platen from the said transferring means and means on the platen for operating the said shaft.

1,542,645. PIPE FITTING. HERMAN SAUCKE, New York, N. Y. Filed June 16, 1923. Serial No. 645,761. 4 Claims. (Cl. 285—50.)



4. In a pipe fitting the combination with a receptacle inaccessible from the exterior provided with an aperture, of a flanged nipple having a threaded stem projecting from the aperture the flange being of smaller diameter than the aperture, a notched washer mounted on the stem between the flange and inner portion of the receptacle adjacent the aperture to prevent withdrawal of the nipple, said washer having a hub to coact with the aperture, a packing arranged on the outer portion of the receptacle opposite the washer, a cap to position the packing against the wall of the receptacle, and a nut engaging the threaded stem to force the cap against the packing.

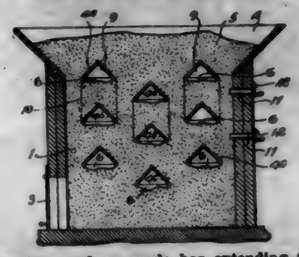
1,542,646. PRINTING PRESS. PERCY L. SIBOLE, Newark, N. J., assignor to Klymax Feeder Company, a Corporation of New Jersey. Filed Dec. 18, 1923. Serial No. 681,315. 2 Claims. (Cl. 271—61.)



1. The combination with a printing press, of a paper feeding device therefor, mechanism for moving said device into and out of operative relation with the press comprising upwardly extending guiding means secured to the press, a conveyor mounted in said guiding means, means on said conveyor engaging said feeding device for the purpose aforesaid and a handle for operating the conveyor.

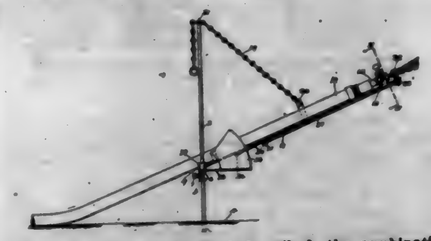
1,542,647. CALCINING METHOD AND APPARATUS. CHARLES F. SPARKS, St. Louis, Mo. Filed June 12, 1922. Serial No. 567,855. 2 Claims. (Cl. 263—30.)

1. In a calcining apparatus, the combination of a calcining chamber having a lower outlet for withdrawing the calcined material, a transversely disposed bar extending through the chamber and presenting a channel on its underside to receive the heating medium at a relatively high temperature, and enable the same to come in direct contact with the material within the calcining chamber, a second transversely disposed bar at a higher level than the lower bar and presenting a channel on its underside, means for connecting the two bars so as to enable the heating medium to pass from the channel of the lower bar into the channel of



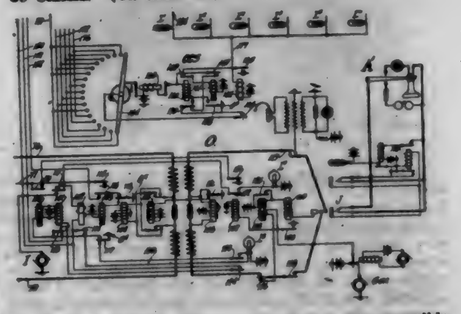
the upper bar, and an angle bar extending transversely through the chamber below said first named bar and having a channel on its underside, the ends of said channel extending through the walls of the chamber and enabling a cooling medium to pass through the same and come in direct contact with the material below the bar.

1,542,648. LAWN SPRINKLER. EDWIN E. THOMAS, Portland, Oreg., assignor of one-half to W. C. Alvord, Portland, Oreg. Filed July 30, 1919. Serial No. 314,232. 10 Claims. (Cl. 299—71.)



6. In a device of the kind described, the combination with a bifurcated supporting frame, a vibratory hose-carrier-arm carried between the legs thereof, and automatic means for vibrating said arm, of means for pendulously supporting said arm on said frame

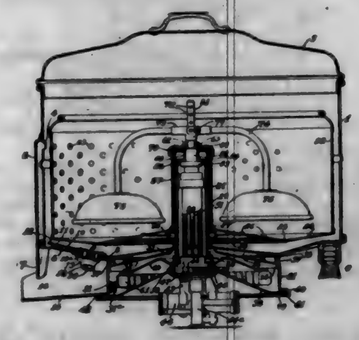
1,542,649. MULTIOFFICE TELEPHONE SYSTEM. BERNARD D. WILLIS, Oak Park, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed May 3, 1921. Serial No. 466,446. 39 Claims. (Cl. 179—27.)



1. In a telephone system, a register set accessible to a calling automatic subscriber for registering the digits in a called telephone number, an indicating device

for displaying the registered number to an operator, means for causing all such digits as have been registered to be displayed after a definite time interval has elapsed, and means for displaying the complete number at once in case all the digits thereof are registered before the expiration of the time interval.

1,542,650. WASHING MACHINE. FRANK A. ADAMS, Rochester, N. Y., assignor to George F. Merrell, Incorporated, Rochester, N. Y., a Corporation of New York. Filed May 27, 1922. Serial No. 564,234. 17 Claims. (Cl. 68—19.)



1. The combination of a receptacle, a motor having a cylinder extending upward therein from the bottom, a piston rod extending from the cylinder, a perforated basket within the receptacle adapted to rotate about said cylinder, an agitator carried by the piston rod arranged to operate within the basket, a motor having a wheel for rotating the basket, a conduit for conducting fluid to the motors, and valve mechanism for controlling the supply of both motors.

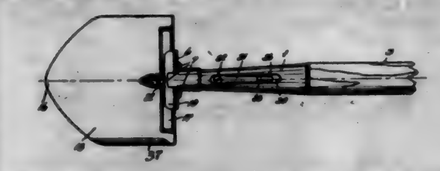
1,542,651. ICE CHUTE. JACK ALESSANDRO, Waco, Tex. Filed Aug. 16, 1924. Serial No. 732,479. 8 Claims. (Cl. 193—40.)



1. In an ice chute, an inclined platform, means for holding a block of ice on the platform against sliding movement, a casing embracing the platform and having an opening permitting discharge of the ice, a closure for said opening, and means for operatively connecting the closure with the holding means whereby when the closure is open the holding means will be released to permit the block of ice to slide downwardly on the platform and outwardly through the opening.

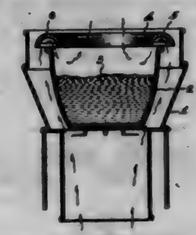
1,542,652. COMBINATION TOOL. CHARLES S. ANDERSON, Port Angeles, Wash., assignor of one-half to Theodore F. Rixon, Beaver, Wash. Filed Oct. 2, 1923. Serial No. 666,068. 2 Claims. (Cl. 294—51.)

1. A convertible tool, consisting in a socket, a handle in said socket formed with a screw-threaded aperture, a channeled receiver rigidly secured on said socket, a blade having a square shoulder on its upper edge adapted to seat in said receiver in two relatively angular positions ninety degrees apart, and a threaded rod pivotally



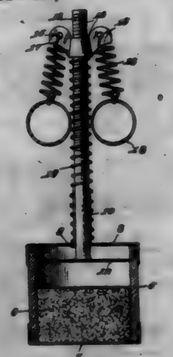
connected to said shoulder and engageable by said handle to seat said blade-shoulder in said receiver under tension in either of its two said positions.

1,542,653. ATTACHMENT FOR PLUMBERS' POTS. FERDINAND ARMBRUST, Jamestown, R. I. Filed Jan. 25, 1924. Serial No. 688,545. 3 Claims. (Cl. 126—343.5.)
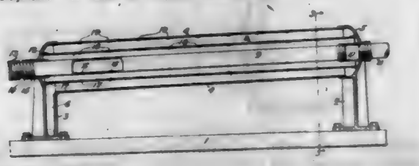


1. An attachment for plumbers' pots, which includes a baffle ring adapted to be disposed on the top edge of a pot and having its lower surface concave to deflect the heat to which the pot is subjected downwardly on the metal within the pot, the outer edge of the said ring extending over the outer edge of the pot, and the inner edge of said ring extending over the inner edge of the pot.

1,542,654. FILLING CUP. WILLIAM ARMOUR, Edinburg, Ind. Filed July 21, 1924. Serial No. 727,529. 2 Claims. (Cl. 91—43.)



1. In a device of the character described comprising an open ended casing adapted to be brought into contact with a surface to be treated and to receive a wood filler element therein, a cap mounted upon the upper end thereof, a spring pressed plunger reciprocable through the cap, a follower carried thereby and adapted to be brought into engagement with the filler to exert pressure thereon, an adjustable element on the plunger, and finger engaging contractile elements carried by the adjustable element.

1,542,655. STEAM HUMIDIFIER. ELWOOD B. AYERS, Philadelphia, Pa., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Aug. 14, 1923. Serial No. 657,458. 1 Claim. (Cl. 299—58.)



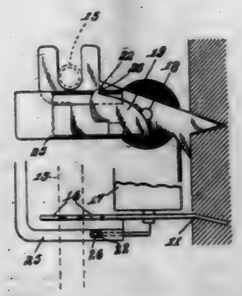
The combination in a humidifier, of two standards, one of greater height than the other, each standard having an integral cylindrical projection; two inclined drums, one drum being located within the other, each drum extending into the cylindrical projections of the standards; and a steam pipe extending through the inner drum and coupled to the standards, the lower standard having a waste passage formed therein and communicating with the outer drum, said outer drum being perforated at the upper side, the steam pipe having a series of perforations at the under side, the inner drum being perforated at the upper side and at the under side.

1,542,656. MARLINSPIKE. EDWARD BALOD, New York, N. Y. Filed Oct. 25, 1924. Serial No. 745,941. 4 Claims. (Cl. 117—6.)



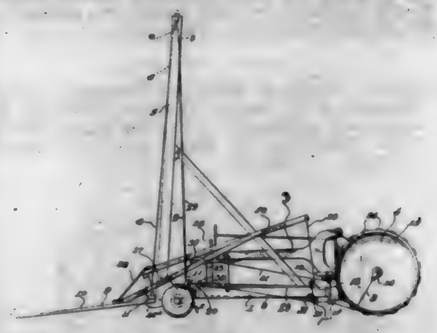
1. A marlinspike including a tapered shank having a longitudinally extending groove therein for forming a space into which a strand may be inserted to extend said strand between other adjacent strands when making a splice, said shank having a head formed at one end provided with a notch in one end thereof in which a spliced strand may be wedged, the other end of the head being capable of engaging a cable and acting as a fulcrum for drawing the wedged strand taut.

1,542,657. SHADE BRACKET. CASSIUS A. BARNES, Los Angeles, Calif. Filed July 14, 1924. Serial No. 725,991. 4 Claims. (Cl. 156—24.)



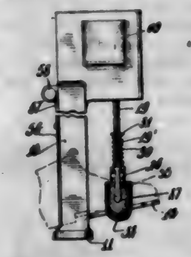
1. A bracket of the character described comprising a body portion having an opening therein, a U-shaped member projecting upwardly from the upper edge of said body and at one corner thereof, and an upturned extension projecting from the lower edge of the body and arranged at one side and in spaced parallel relation with said body for the purpose specified.

1,542,658. HAYSTACKER. HILDRED C. BUCKWITH, Linton, Ind. Filed Sept. 24, 1921. Serial No. 502,900. 7 Claims. (Cl. 214—118.)



1. In a haying tool, propelling means including traction wheels, a hay receiver and carrier, ropes connected to said receiver and carrier, means on said wheels for engaging said ropes and winding them about the wheels to raise said carrier into hay delivering position, and means for normally maintaining said ropes out of engagement with said last named means.

1,542,659. SHOE-SHINING MACHINE. PIETRO BENINCASA, New York, N. Y., assignor of thirty per cent to Antonio Tedesco, Brooklyn, N. Y. Filed July 14, 1924. Serial No. 725,807. 6 Claims. (Cl. 15—36.)



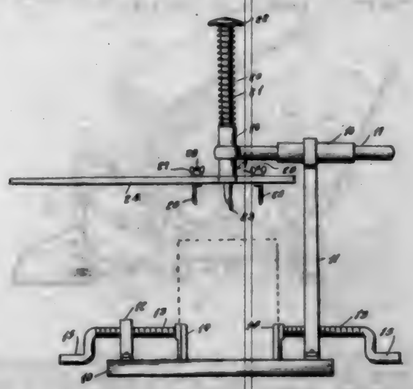
1. A shoe shining machine comprising a frame, a motor supported thereon, a flexible shaft attached at its upper end to said motor, and a brush on the lower end of the said shaft, said brush being attached to the shaft by a universal joint connection, and a resilient device preventing free angular adjustment of the brush with respect to the shaft.

1,542,660. RAILWAY TIE AND RAIL-FASTENING MEANS. KYLE E. BOYD, Lindside, W. Va. Filed June 7, 1924. Serial No. 718,565. 5 Claims. (Cl. 238—243.)



1. A rail fastening means including a clamp having the body portion provided with an elongated slot terminating at one end in a lateral notch, means for securing the clamp to a tie passing through said slot, and a second securing means engaging the clamp and tie beyond said slot.

1,542,661. CAN OPENER. JOE B. BRADSHAW, Stanford, Ky. Filed Apr. 4, 1924. Serial No. 704,197. 1 Claim. (Cl. 30—3.)



A device of the class described comprising a supporting arm, a plunger slidably mounted by said arm, a spring coacting with said plunger and said arm to normally maintain the plunger elevated, a handle bar carried by the plunger on the side of the arm opposite to the spring, a centering point on the plunger extending below the handle bar, and cutter means extending from the handle bar and below the same said centering means being integral with the plunger, and said plunger adjacent the centering means having screw threads engaging the handle bar whereby the latter is secured to the plunger.

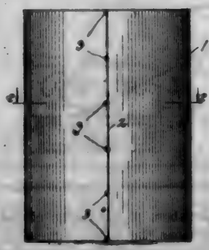
1,542,662. CAN BODY AND METHOD FOR PRODUCING SAME. JULIUS BRENSINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Continuation of application Serial No. 448,827, filed Mar. 1, 1921. This application filed Jan. 22, 1923. Serial No. 614,337. 4 Claims. (Cl. 113—116.)



1. The method of producing a can body, which consists in interlocking opposed edges of a blank by means of a side seam extending the major central portion of the length of the body, and in overlapping the opposed edges of the blank at the end portions thereof, and in permanently securing the overlapped end portions together by electrically welding the same.

2. A can body having a side seam extending the major central portion of its length and unseamed portions at its ends formed by overlapping edges, the unseamed overlapped edges being permanently connected by electric welds at the ends of the body.

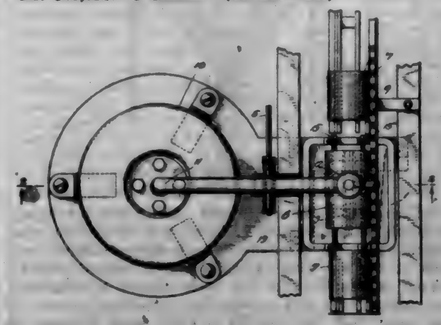
1,542,663. CAN BODY AND METHOD OF PRODUCING SAME. JULIUS BRENSINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed June 18, 1922. Serial No. 568,070. 4 Claims. (Cl. 113—112.)



1. As a new article of manufacture, a can body formed from a blank having overlapping ends constituting a lap seam extending throughout the length of the can body, said overlapping ends permanently secured together by electric welds at a plurality of points throughout the length of the can body and said lap seam covered by a body of solder throughout its length.

3. The method of producing a can body, comprising bending a blank into shape with the ends of the blank overlapping to form a lap seam longitudinally of the body, then permanently securing said overlapping ends together by welding them electrically, and then covering the welded lap seam throughout its length with solder.

1,542,664. METHOD AND MEANS FOR SOLDERING THE SEAMS OF METALLIC BODIES. JULIUS BRENSINGER, Fairfield, Conn., assignor to The Max Ams Machine Company, Bridgeport, Conn., a Corporation of New York. Filed Mar. 22, 1922. Serial No. 545,718. 8 Claims. (Cl. 219—12.)

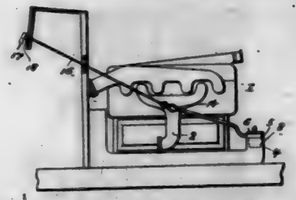


1. The method of soldering the seam of a metallic body which consists in applying molten solder to said seam and at the same time subjecting the seam to the heating action of an electric current.

1,542,665. FUEL ECONOMIZER. GEORGE B. CALHOUN, LEWIS WHITE, and LEMON HAYES, West Frankfort, Ill.; said Lemon Hayes and said George B. Calhoun assignors to Arthur Williams and Bert Peterson, both of West Frankfort, Ill. Filed July 28, 1924. Serial No. 727,776. 1 Claim. (Cl. 123—119.)

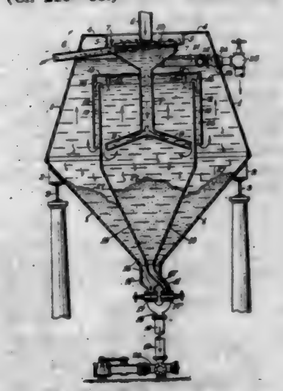
In a device for the purpose set forth and in combination with an internal combustion engine including the intake manifold and the breather pipe therefor, of a means for conducting tthe vapor from oil in the breather pipe to the intake manifold at the juncture of the straight and angular branches thereof comprising a tubu-

lar member having an outer shouldered portion received and frictionally engaging with the breather pipe, a pivoted plate providing a closure for the tubular member, spring means normally influencing the plate toward the tubular member, means for latching the plate



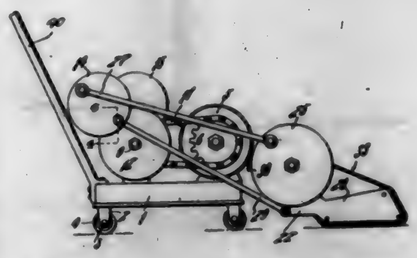
on the tubular member, a normally closed spring influenced air inlet pipe for the tubular member, a vapor conducting pipe between the tubular member and the manifold, a valve controlling the passage through said pipe and an operating rod for the valve.

1,542,666. CONTINUOUS CLARIFYING APPARATUS. FRANK J. CASABLANCA and MANUEL F. GALDO, Cardenas, Cuba, assignors to The Continuous Clarifier and Settler Co., Habana, Cuba, a Corporation of Cuba. Filed Nov. 27, 1923. Serial No. 677,343. 1 Claim. (Cl. 210—58.)



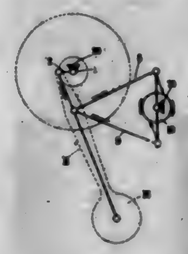
An apparatus for continuous clarification of liquids comprising a large diameter outer tank having a conical bottom and a flat cover plate; an inside cylindrical tank, open at the top, also having a conical bottom, and arranged concentric with the outer tank; a cylindrical bell, placed over and outside the cylindrical portion of the inside tank and leaving a short space between its top and the top edge of the tank, and also leaving a narrow circular space between the tank and the bell sides; a central down-take inlet tube passing through the cover plate of the outside tank and also through the bell and discharging into the inner tank, having a funnel-shaped upper part and smaller branched tubes in its lower end; a circular trough around the upper part of the funnel, to receive foam overflowing from said funnel and provided with a sloping bottom and with a discharge tube; a valve controlled nozzle with two passages, located at the extreme lower end of the conical bottoms, one communicationg with the bottom of the inner tank and the other communicating with the bottom of the outer tank, to discharge the solid matter accumulated in the conical bottom of each tank; an outlet located horizontally inside the outer tank near the top and provided with a series of openings at the same level for outlet of the clear liquid, and a valve to control the same.

1,542,667. FLOOR-SURFACING MACHINE. AXEL B. CHRISTENSEN and ANDREAS B. ANDREASSEN, Port Washington, N. Y. Filed Oct. 27, 1924. Serial No. 746,127. 2 Claims. (Cl. 51—175.)



1. A machine of the character described comprising a wheel platform, a pair of spaced brackets rising from the platform, bearings formed on the upper ends of said brackets, a shaft journaled in the brackets, a disk wheel keyed to each end of said shaft, an eccentrically mounted wheel secured to each of the disk wheels and extending therefrom in substantially opposite directions, a floor surfacing unit arranged in advance of the platform, and connecting rods securing said floor surfacing unit to the eccentrically mounted wheels in a manner whereby the floor surfacing unit will be caused to reciprocate upon rotation of the eccentrically mounted wheels.

1,542,668. METHOD AND MEANS FOR TRANSMITTING POWER. GEORGE CONSTANTINESCO, Weybridge, England. Filed June 26, 1922. Serial No. 570,986. 5 Claims. (Cl. 74—58.)

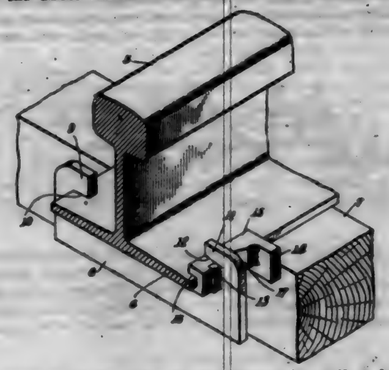


2. An automatic variable speed gear for transmitting power to a driven shaft which has to be rotated against a variable resisting torque, comprising in combination a driving crank, a freely supported mass capable of oscillation, a pair of unidirectional driving devices adapted to drive a driven shaft alternately in the same direction and means for splitting the motion of said driving crank between said oscillating mass and said unidirectional driving devices.

1,542,669. BOLTLESS RAIL ANCHOR. ADONIRAM J. COOK, Westerlo, N. Y., assignor to The P. & M. Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,209. 2 Claims. (Cl. 238—320.)

1. An anti-creeping device for rails consisting of a metallic plate and a wedge, said plate having lugs or jaws at the ends, a seat for a wedge, said seat formed

by cutting the metal of the plate and bending outwardly the metal between the cuts, and an edge to engage the under surface of a rail, and said wedge having



a groove to fit the edge of the flange of a rail, a head, and a notch adapted to be engaged by the metal of the plate which is bent outwardly.

1,542,670. COMBINED ROCK PICKER AND HARROW. BAPTISTE COTE, St. Ignatius, Mont. Filed Aug. 26, 1923. Serial No. 659,784. 3 Claims. (Cl. 55—17.)



1. A machine of the character specified including gathering teeth, a reel disposed forwardly of and above the gathering teeth and adapted to coact therewith, and means by which the gathering teeth and reel may be adjusted with respect to each other and to the ground.

2. In a machine of the character specified, pivoted gathering teeth, a bar disposed beneath these teeth, means for adjusting the bar to raise or lower the teeth, a reel disposed forwardly of and above the gathering teeth and adapted to coact therewith, and means for raising and lowering said reel with respect to said teeth and the ground.

1,542,671. RUNNING SHOE. BURNIE J. CRAIG, Cleveland, Ohio. Filed Apr. 18, 1922. Serial No. 555,080. 4 Claims. (Cl. 36—50.)



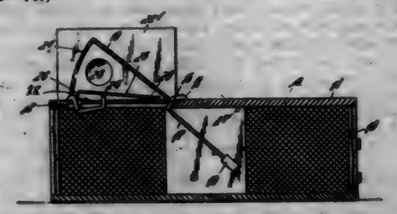
1. A running shoe comprising a flexible light upper having a light sole secured thereon, a rigid gripping spike on said sole and projecting therefrom, said spike having a flat head, means for securing the head of the spike to the sole, the shank of said spike being non-circular in cross section and having distinctly defined front and back portions, the front of the spike being more or less sharp to part the surface of the ground as the shoe strikes it and the back of the spike having no portion projecting rearwardly beyond the side edges of the spike.

1,542,672. WATCH SUPPORT. GEORGE B. CRAPO, Marion, Mass. Filed May 15, 1923. Serial No. 639,174. 4 Claims. (Cl. 211—24.)



1. A folding watch support, comprising an annular base, a pair of converging arms hinged to the base, a watch receiving hook formed on the upper ends of said converging arms, a bracing member extending between the converging arms near the base, and a spring arm carried by the base for engaging said bracing member to retain the converging arms in an upright position or folded on the base.

1,542,673. TRAP. JOSEPH L. DALE, Wise, Va. Filed Feb. 9, 1924. Serial No. 691,777. 2 Claims. (Cl. 43—70.)



1. In a trap of the character described, a receptacle having an opening in the top thereof, a trapping compartment mounted for pivotal movement through said opening, said compartment being open at both ends, a bait holder arranged at one side of the receptacle and closing the adjacent end of the compartment, means including a sliding bolt normally projecting through said compartment and engaging said receptacle to hold the compartment elevated above the top thereof, said means being adapted to be actuated by the animal upon entering the compartment to release the latter, whereby said compartment gravitates to a lowered position within the receptacle, a shaft supporting the compartment for pivotal movement, a weight on one end of the shaft for automatically returning the compartment to its normal position after the animal has passed from the compartment into the receptacle and means for limiting the pivotal movement of said compartment.

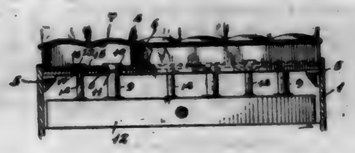
1,542,674. COMBINED PILLOW AND CHEST SUPPORTER. ALICE O. DARLING, Tilton, N. H. Filed Jan. 11, 1921. Serial No. 436,500. 2 Claims. (Cl. 5—338.)



2. A device of the character described comprising a pillow to receive the forehead of a reclining person, a support for the chest of the person, and a flexible strap connecting the lower edges of the pillow and support, the adjacent edges of the pillow and support being normally spaced apart to form a breathing opening to receive the face of the person but adapted to be folded

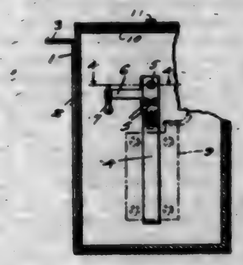
one upon the other, the pillow and support being of such rigidity that the face of a person lying face downward upon the pillow and support will be supported a substantial distance above the connecting strap to permit free breathing, the upper surface of the pillow being flat and the upper surface of the support being downwardly inclined from that edge adjacent the pillow, the upper edge of the support adjacent the pillow being on substantially the same plane as the upper surface of the pillow when the pillow and support are in their normally spaced position.

1,542,675. SEAT. LUTHER B. DEMUTH, New Philadelphia, Ohio. Filed Feb. 27, 1924. Serial No. 695,509. 4 Claims. (Cl. 155—179.)



1. In a device of the character described, an inflatable body, a conduit for connecting the interior of the inflatable body with a source of pressure, an outwardly opening normally closed check valve controlling said conduit and normally preventing any flow through said conduit into said inflatable body, and an additional conduit continuously connecting the interior of the inflatable body with said source of pressure fluid, said second named conduit having a bore of less area in cross section than the bore of the first named conduit.

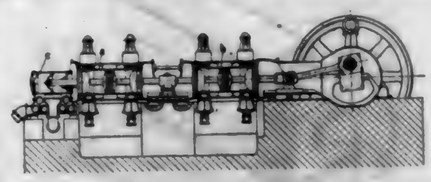
1,542,676. BATTERY CASE. FREDERICK C. DRAKE, JOHN W. HOUGH, HARRY J. IDDINGS, and LEROY D. PIERSON, Mapleton, Iowa. Filed Apr. 26, 1923. Serial No. 634,849. 1 Claim. (Cl. 136—166.)



In combination, a case having connectors therein of resilient material fastened at opposite side walls thereof, a battery supported by and within the case, said battery at two sides having plates, conductors disposed completely exteriorly of the battery, said conductors connecting the plates to terminals of the battery, laterally extending terminal arms on the connectors, said arms and the connections of the conductors to the plates being on opposite sides of the zones of contact of the connectors and plates.

1,542,677. TWO-CYLINDER DOUBLE-ACTING FOUR-CYCLE GAS ENGINE. RUDOLF DRAWE, Charlottenburg, Germany, assignor to Ehrhardt & Sehmer Aktiengesellschaft, Saarbrucken, Saargebeit, Germany, a Corporation of Germany. Filed Mar. 9, 1925. Serial No. 14,252. 5 Claims. (Cl. 123—63.)

1. A two-cylinder four-cycle gas engine in which the fuel gas is alternately applied to both sides of the piston and which is arranged for scavenging and charging in such way that the entire air is subjected to pressure and continuously conducted through the cylinder, except that during a part of the suction-stroke the air is throttled so as to enable the gas to be drawn in, characterized by the combination with such type of engine of a reciprocating-piston scavenging pump actuated by the reciprocating piston-rod of the engine, means being provided whereby the scavenging period is prolonged to such an extent that it commences at the beginning of the exhaust stroke and is maintained up to the end of this stroke.

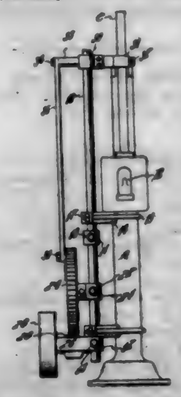


1,542,678. SEWED ARTICLE AND METHOD OF MAKING SAME. WALTER DERIGINAS, Baltimore, Md. Filed Jan. 31, 1924. Serial No. 689,655. 16 Claims. (Cl. 2—247.)



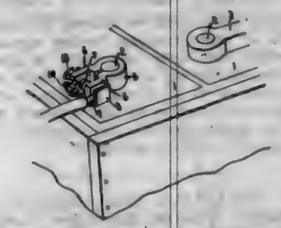
10. In an article of apparel, a pocket patch covering a pocket in said article of apparel, said pocket patch provided with a folded extension at one edge only.

1,542,679. PUMP JACK. THOMAS DUNN, St. Charles, Mo. Filed May 17, 1924. Serial No. 714,118. 1 Claim. (Cl. 74—14.)



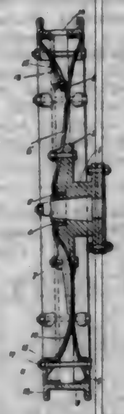
In a device of the character described, an upright supporting frame, means for mounting said frame upon a pump casing including plates disposed between the pump casing and the frame and recessed for conforming engagement therewith, clamping plates disposed outwardly of the frame, and coacting with said first named plates, substantially U-shaped bolts, embracingly engaging the pump casing and connected with said clamping plates, and a drive mechanism for the pump roof including a cross head slidable along the frame and connected with the pump rod, a rotary element journaled on the frame, a transmission mechanism for driving the rotary element, a link connection between said rotary element and cross head, and an expansion spring engaging against the cross head and against a stationary part of the pump.

1,542,680. BATTERY TERMINAL CONNECTER. CHARLES M. EBBELING, Cleveland, Ohio. Filed July 17, 1922. Serial No. 575,703. 2 Claims. (Cl. 173—259.)



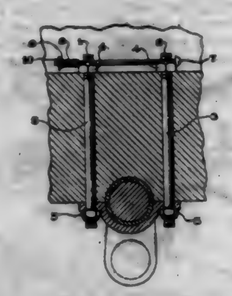
1. A terminal connecter adapted for use with a storage battery terminal post and comprising a split collar adapted to surround said post and provided with a pair of ears one on each side of the split in said collar and each apertured, a bolt comprising a head arranged to overlie one of said ears and a shank arranged to pass through said apertures and itself transversely apertured adjacent said head to permit insertion of a wire through said shank between said head and the adjacent ear, and a nut arranged to screw-threadedly engage said shank beyond said ears and, in coaction with said bolt, to simultaneously clamp said collar to said post and said wire in position.

1,542,681. WHEEL. ELMER S. EBHARD, Curwensville, Pa. Filed Apr. 25, 1924. Serial No. 708,013. 3 Claims. (Cl. 301—63.)



2. A wheel of the class described comprising a hub member formed with a flange having a corrugated outer face, said flange having an annular groove with a curved outer wall adjacent its center, a disc corrugated to fit the corrugations on the flange and having an inwardly curved central part for engaging the groove, bolts connecting the disc with the flange, a rim section carried by the disc, a ring member having its inner edge abutting the ends of the corrugations on the disc, a rim section carried by the ring member and bolts for connecting the disc and ring member together.

1,542,682. BOLT. OWEN EVANS, Binger, Okla. Filed Aug. 12, 1922. Serial No. 581,476. 1 Claim. (Cl. 151—32.)



A pair of bolts for connecting bearings of a motor casing, each of which having oppositely threaded ends and one end of each bolt having oppositely threaded ends and one end of each bolt having an opening therethrough, castellated nuts screwed on the ends of the bolts, a pin passing through the referred to openings in the bolts and received in the castellations of the nuts adjacent thereto, a spring on the pin contacting with one of the nuts and influencing the pin to cause the head thereof to contact with the nut on the opposite bolt, and means holding the spring on the pin.

1,542,683. TRANSPLANTING POT. JAMES M. EVERETT, Lake Wales, Fla., assignor of one-half to Charles M. Hunt, Lake Wales, Fla. Filed Feb. 2, 1924. Serial No. 690,233. 3 Claims. (Cl. 47—37.)



1. A transplanting pot including imperforate side wall sections, the adjacent vertical edges of which are spaced from each other throughout the height of the pot, a hinge connecting the sections at the bottom and means sealing the bottom of the pot.

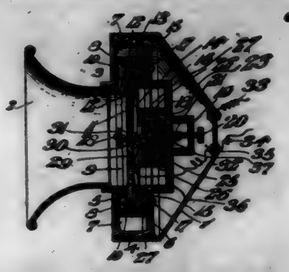
1,542,684. PROCESS FOR OBTAINING MAGNESIA FROM DOLOMITE. EDGAR EVERHART, Atlanta, Ga. Filed Dec. 29, 1924. Serial No. 758,744. 2 Claims. (Cl. 23—67.)

2. That method for obtaining magnesia from dolomite which consists in first reducing the dolomite to drive off the carbon dioxide, slacking the reduced dolomite, introducing acetic acid to neutralize the lime, separating out the calcium acetate and treating the residual magnesia mass separated from the lime with carbonic acid whereby to dissolve only the magnesia.

1,542,685. TELEPHONE TRANSMITTER. HILBERT L. FALK, New Orleans, La. Filed Sept. 30, 1921. Serial No. 504,445. Renewed Oct. 9, 1924. 18 Claims. (Cl. 179—124.)

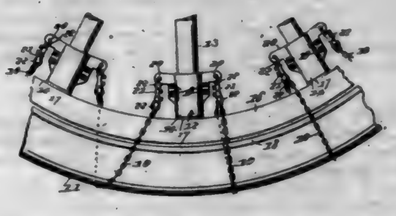
1. In a transmitter, a diaphragm resiliently supported at its outer periphery, a body of silicon granules supported at the rear of said diaphragm, means for exert-

ing pressure upon said body of granules, a front silicon button bearing on the front portion of said granules, a threaded stem projecting from said front button through



said diaphragm, an adjusting nut on the outer portion of said stem and bearing on said diaphragm, and a nut on said stem in the rear of said diaphragm.

1,542,686. NONSKID-CHAIN ATTACHMENT. CHARLES FATH, Canton, Ohio. Filed Sept. 19, 1922. Serial No. 589,169. 1 Claim. (Cl. 152—14.)



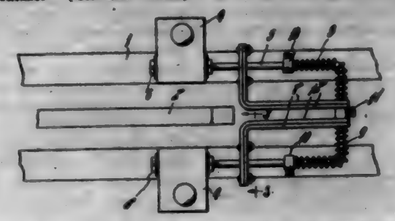
A wheel attachment for retaining chain sections in position upon a tire comprising a pair of clamp members each having an intermediate concaved portion provided at its outer end with an outstanding lip, the concaved portions adapted to receive a spoke between them and the lips adapted to bear against the felly of the wheel when the device is applied, the clamp members being provided at the side edges of the concaved portions with outstanding flanges adapted to receive securing devices, whereby the concaved portions are drawn in close contact with the surface of the spoke, the flanges upon one of the clamp members being provided at their inner ends with outstanding arms disposed at right angles to the longitudinal dimension of the concaved portion and uniformly spaced from the lip, and means provided upon the arms for connection with chain sections.

1,542,687. PLASTERING DEVICE. ABRAHAM FINN, Elizabeth, N. J. Filed Aug. 1, 1924. Serial No. 729,580. 9 Claims. (Cl. 72—128.)



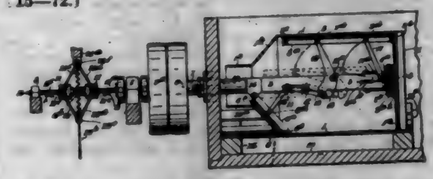
1. A device of the class described comprising a platform, a wall encircling said platform, manually operable means for moving said wall below the surface of said platform, and automatic means for returning said wall to normal position upon the release of said manually operable means.

1,542,688. CHECK. JOSEPH FOURNIER, Somersworth, N. H. Filed Nov. 28, 1924. Serial No. 752,779. 2 Claims. (Cl. 139—164.)



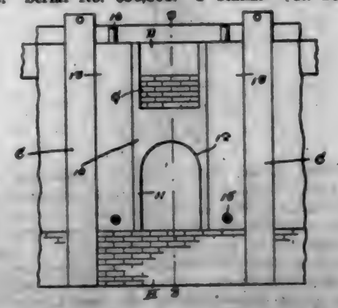
1. A picker stick check comprising a U-shaped member, a pair of angle members having openings therein through which the bight and limbs of the U-shaped member pass, means for holding the angle members in spaced relation so as to permit the picker stick to pass between them and springs on the U-shaped member and engaging the angle members for yieldingly holding the members against outward movement.

1,542,689. APPARATUS FOR CLEANING ARTICLE INTERIORS. WILLIAM FRANKLAND, Rochester, Victoria, Australia, and THOMAS EDMOND MALONEY, Paddington, Sydney, New South Wales, Australia. Filed Nov. 27, 1922. Serial No. 603,596. 3 Claims. (Cl. 15—72.)



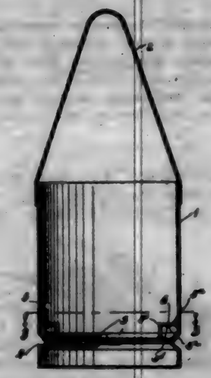
2. In combination, a hollow stem, collapsible brushes carried thereby, means for rotating said stem together with the brushes, a tube extending into said stem, a connection between said tube and certain of the brushes for collapsing and expanding the same on longitudinal movement of the tube, a rod extending through said tube and the stem and slidable relatively to the tube, connections between said rod and the other brushes for collapsing and expanding the same on movement of the rod, the end of the tube extending beyond the driving means and the rod extending beyond the tube, and means for yieldably shifting the outer ends of said tube and rod away from each other.

1,542,690. OPEN-HEARTH-FURNACE DOOR FRAME. ANDREW GANTZ, Youngstown, Ohio. Filed Aug. 11, 1923. Serial No. 656,801. 1 Claim. (Cl. 263—44.)



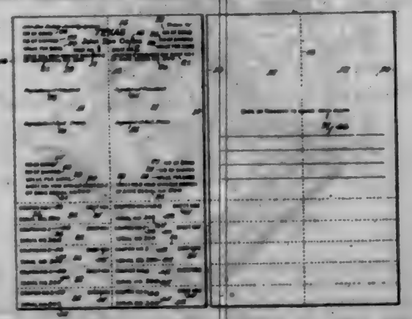
In a furnace structure, a plurality of upright beams, horizontally disposed beams located inwardly of the upright beams, tie rods connecting the upper ends of the upright beams, metallic door members located between the upright beams, brick work surrounding the door members and filling the spaces between the upright beams and extending upwardly to the horizontal beams, and an arch of brick formation extending between the horizontal beams, each door member being formed with an arch shaped opening and provided at its top with upstanding spaced pedestals of less thickness than the body of the door member to define a horizontal legde and to further define an opening between the pedestals, and a movably mounted door for closing the opening.

1,542,691. MILK COOLER AND AERATOR. LEONARD PAUL GEHRKE, Spencer, Wis. Filed Mar. 22, 1923. Serial No. 626,953. 2 Claims. (Cl. 31—4.)



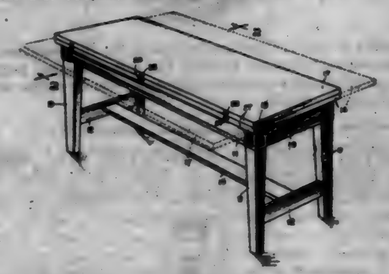
1. A milk cooler and aerator comprising a vessel having an inner rib near its lower end, a valve bottom comprising a plurality of leaves, hinges connecting said leaves to the vessel, said leaves normally engaging and being supported by said rib, said leaves being capable of upward swinging movement in order to open through impact with the milk, and said leaves being perforated.

1,542,692. SAFETY TRANSFERABLE FINANCIAL CERTIFICATE. WALTER H. GENTRY and CARL F. FORTUNE, Abilene, Tex. Filed June 4, 1923. Serial No. 643,234. 4 Claims. (Cl. 283—37.)



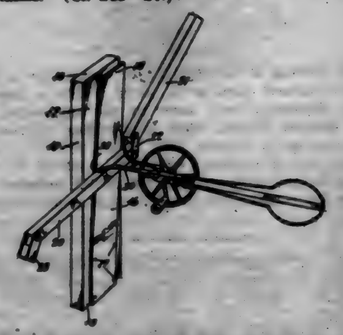
1. A safety transferable financial certificate comprising a rectangular body portion formed of a pair of complemental severable transmitting sections correspondingly numbered and each having one face provided with means to constitute a designation therefor and with the designation of one section different from that of the other section, each of said sections further having said face provided with means to constitute a complete valid certificate when the separated sections are in matched relation and an incomplete invalid certificate when the sections are out of such relation, the said last mentioned means of one section including a designation corresponding to the said designation for the other section, and said body portion having its back provided with indicia having a part thereof extending transversely of one section and the remaining part extending transversely of the other section to indicate for recording below said indicia and transversely of both sections data relating to the transfer of the complete valid certificate.

1,542,693. TABLE. SAMUEL GORDON and NATHAN ECKSTEIN, New York, N. Y. Filed Nov. 15, 1924. Serial No. 750,145. 1 Claim. (Cl. 45—118.)



In a table having a pair of longitudinally spaced cross-rails and a pair of longitudinally spaced side-rails forming the sides and ends of a compartment, a bottom closure for said compartment, a top for said compartment consisting of a plurality of superimposed hinged stacked leaves of substantially equal size, one of said leaves being slidably connected to the top of said table whereby it may be slid from normal closed position to permit access to said compartment and to permit of the other of said leaves to be folded down over the said compartment and thereby increase the size of said table.

1,542,694. TOOL HOLDER. MILTON A. GOWING, Portland, Oreg. Filed Jan. 30, 1924. Serial No. 689,516. 2 Claims. (Cl. 248—20.)

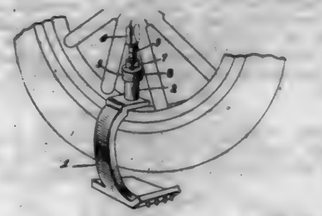


1. A tool-holder of the class described consisting in a back-member hingedly connected to a support, a strip connected at one end to said member and separable at its opposite end therefrom to receive a tool-handle therebetween, and a pair of separable gripping-bars for the shank of said tool, one of said bars being secured to said strip and the other bar being hingedly connected to the secured bar.

1,542,695. JACK. CHARLES E. GREGORY, Hamilton, N. Dak. Filed May 3, 1923. Serial No. 637,522. 1 Claim. (Cl. 254—94.)

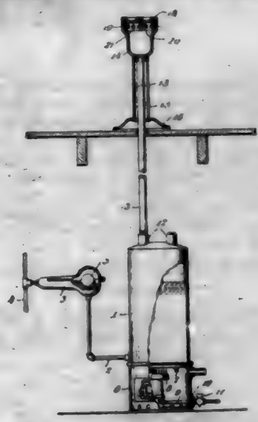
A wheel engaging and raising jack comprising a stand having at its upper end a vertically disposed sleeve, a

head having a pendant threaded shank arranged and movable rectilinearly in said sleeve, and a guide and adjusting nut superposed on the upper end of the sleeve and interiorly threaded and receiving and engaging the



threaded shank and having a portion for the engagement of means employed in turning the nut and also having a pendent portion laterally engaging and turnable with respect to the sleeve.

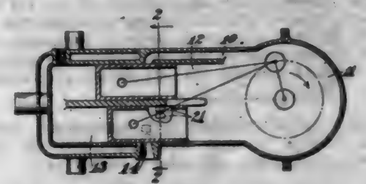
1,542,696. METHOD OF HUMIDIFYING AIR. ROBERT W. HARDIE, Fanwood, N. J. Filed Oct. 8, 1924. Serial No. 742,841. 4 Claims. (Cl. 126—350.)



1. The method of humidifying air, consisting in maintaining a uniform quantity of water within a closed receptacle, vaporizing said water by the application of a heating element thereto while maintaining the temperature of said water between 180° F. and 212° F., passing the vapor into an auxiliary receptacle, muffling the vapor so as to substantially remove its initial pressure, and diffusing the vapor into the atmosphere in restricted quantity.

1,542,697. TWO-STROKE-CYCLE ENGINE. LESLIE HAYWOOD HOUNSFIELD, Croydon, England. Filed Jan. 30, 1923. Serial No. 615,801. 6 Claims. (Cl. 123—53.)

6. In a horizontal, four-cylinder two-stroke cycle, internal-combustion engine of the three-port type having crank-case compression with the combustible mixture, the combination of a casing having two compression chambers each constituting a crank-case therein, two pairs of parallel horizontal cylinders arranged side by side within said casing, whereof the one cylinder of one pair is arranged above the other cylinder of the same pair and both cylinders of a pair open at one end into one of said crank-cases, two combustion chambers, one common to each pair of cylinders, at the end of the casing remote from the crank-case, the lower cylinder of each pair having only in its upper part an inlet port and in its lower part at the side of said inlet port remote from the crank-case an exhaust port, the upper cylinder of each pair having a transfer port which communicates with the upper part of the allotted crank-case, pistons operable one in each cylinder and arranged to control said ports, means for controlling said pistons, a supply chamber for combustible mixture situated between said cylinders and opening directly into said inlet ports, the



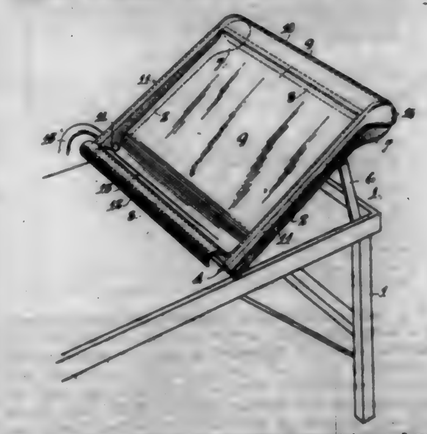
wall of which supply chamber is constituted in part by parts of the walls of said cylinders, and a supply conduit for combustible mixture free from pockets lying between said cylinders and opening into said supply chamber, whereby the combustible mixture will be heated by the cylinders on its way to the latter, substantially as described.

1,542,698. AUTOMATIC STACKER-TOOTH POINT. HARRY C. JOHNSON, Mason City, Nebr. Filed May 16, 1924. Serial No. 713,819. 2 Claims. (Cl. 214—144.)



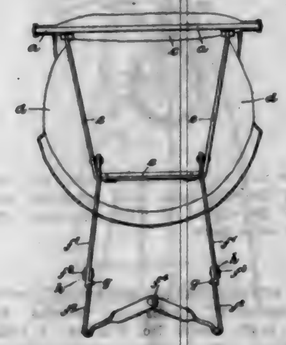
1. In combination with a stacker tooth having a beveled end, of a point shell disposed on said bevel end, said shell being of hollow construction having an elongated upper slot and a substantially short lower slot, and a retaining finger pivoted in the shell and extended through the elongated upper slot so that it may be disposed either in a vertical position or reclining on the beveled end of the stacker tooth.

1,542,699. EMBALMING ACCESSORY. EPHRAIM R. JONES, Corbin, Ky. Filed Oct. 20, 1924. Serial No. 744,761. 5 Claims. (Cl. 27—23.)



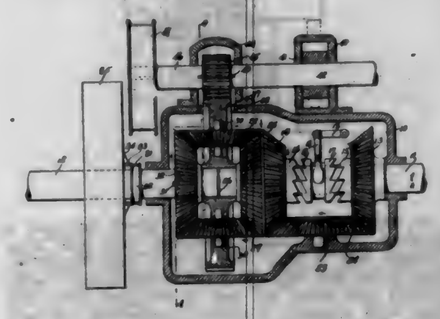
1. A device of the class described comprising a frame, a drain pan removably mountable on the frame, said drain pan having flanges to fit the frame, an inclined and depressed drain body portion, a cross trough portion into which the drain body portion delivers, the said pan having a drain aperture at one end of said trough.

1,542,700. FOLDING STOOL AND THE LIKE. RALPH JOSEPH, London, England. Filed May 12, 1924. Serial No. 712,804. 3 Claims. (Cl. 190—8.)



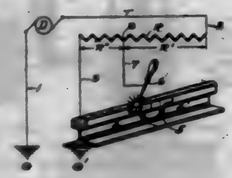
1. A combined folding stool and hand bag wherein the folding frame which forms the mouth of the bag is adapted when opened out horizontally to form the seat frame of the stool whilst the folding stool legs are attached to said frame and are adapted to be folded up and covered by the outer covering of the bag.

1,542,701. TRANSMISSION GEARING. TAYLOR M. JOYNER, St. Cloud, Minn. Filed Jan. 12, 1922. Serial No. 528,782. 6 Claims. (Cl. 74—34.)



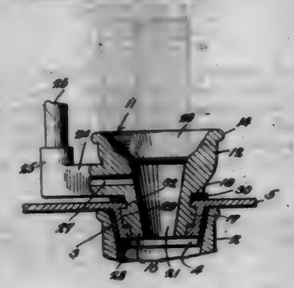
1. A change speed gearing comprising a housing, a pair of alined shafts, an idling gear, a plurality of gears loosely mounted on one of said shafts and manually operated means for connecting the idle gear with either of the loosely mounted gears, a gear keyed to the other of said shafts, a gear interposed between said loosely mounted gears and said keyed gear, means carried by said interposed gear for connecting the loosely mounted gears with the keyed gear, fluid actuating means for retarding the action of the interposed gear to establish driving connection between the loosely mounted gears and the keyed gear, said manual means adapted to control said fluid retarding means.

1,542,702. METHOD OF AND APPARATUS FOR CONTROLLING ARC WELDING. ROGER L. KINGSLAND, Fairmont, W. Va. Filed Aug. 15, 1921. Serial No. 492,439. 11 Claims. (Cl. 219—8.)



1. An arc welding system comprising a source of energy, a resistance connected across the source of energy and connections for supplying energy to a welding arc connected to one end of the resistance and to a point intermediate the ends of the resistance, one portion of the resistance limiting the maximum current flowing to the welding arc and the other portion of lower resistance than that of the first portion limiting the maximum voltage across the arc when welding.

1,542,703. WATER-CLOSET. WALTER JOSEPH KIRKHAM, Helena, Ark. Filed May 29, 1924. Serial No. 716,712. 1 Claim. (Cl. 285—30.)

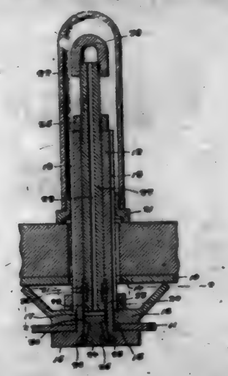


In a device of the class described, a flush tank comprising a bottom having an integral spout provided in its interior with circumferential grooves, the upper walls of which are formed by the bottom of the tank, the bottom being provided with notches communicated with the grooves, and a valve seat extended into the spout, the seat having lateral cam ribs insertable through the notches into the grooves, the seat having an external shoulder, and a gasket interposed between the shoulder and the bottom of the tank, the ribs cooperating cam-wise with the grooves, when the seat is rotated, to bind the gasket between the shoulder and the bottom of the tank, the gasket and the shoulder cooperating to prevent a distortion of the bottom of the tank, due to the cam action of the ribs.

1,542,704. VALVE FOR INNER TUBES. JOHN M. KIRKPATRICK, Anaconda, Mont. Filed Apr. 25, 1924. Serial No. 709,008. 1 Claim. (Cl. 152—12.)

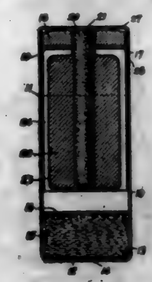
In a tire valve, the combination of a casing having a tapered valve seat, a tapered valve member movable rectilinearly in the casing and having a longitudinal

bore extending through and beyond the outer end of the casing and a lateral bore and a chamber in its side and communicating with the said lateral bore, gaskets



carried by the valve and arranged at opposite sides of the chamber, and a nut on the valve and opposed to the casing.

1,542,705. DRY-CELL BATTERY. HARRY M. KORETSKY, and BORIS H. TEITELBAUM, Brooklyn, N. Y.; said Teitelbaum assignor to said Harry M. Koretsky and Israel Koretsky, New York, N. Y. Filed Dec. 17, 1919. Serial No. 345,642. 2 Claims. (Cl. 136—113.)



1. In a dry cell battery, the combination of an outer container of cellular material, an electrolyte carried within the bottom portion of this container, a coating of frangible material holding the electrolyte in place as aforesaid and preserved from deterioration during the inactive period of the battery, a second container telescopic within the first mentioned container and carried normally within the outer end thereof spaced from the electrolyte, said second container being of a metallic nature, a depolarizing member carried within the metallic container and spaced from the wall thereof, the electrolyte aforesaid being forceable into the space between the depolarizing member and the metallic container when the two containers are telescoped fully one within the other, and means to establish metallic connection between the second mentioned container and the bottom portion of the first mentioned container.

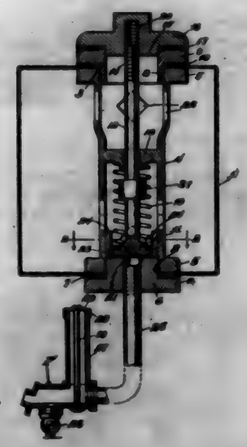
1,542,706. ATTACHING DEVICE. ARCHIE C. LANG, Leetsdale, Pa. Filed Apr. 8, 1924. Serial No. 705,059. 1 Claim. (Cl. 24—84.)

An attaching device formed from a single strand of wire bent upon itself at points spaced from its end extremities to form eyes in the form of curved loops, the end extremities of the strand wire diverging from each other in opposite direction and being disposed approximately parallel with each other and being located between the said loops, the intermediate side portions



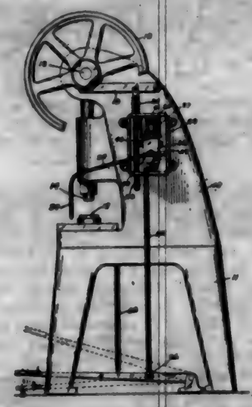
of the wire located between the said end extremities and one of the said loops being outwardly bowed and the axis of the strand of wire throughout its length lying in the same plane.

1,542,707. AUTOMATIC LUBRICATING SUPPLY SYSTEM. GROVER H. LANGFELDT, Normal, Ill. Filed June 13, 1923. Serial No. 645,184. 1 Claim. (Cl. 184—103.)



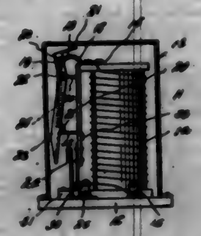
In combination with a normally closed tank and a discharge conduit leading therefrom, said tank being provided with a filling opening in a wall thereof opposed to the wall with which the conduit coacts, a shell bridging said walls, the wall of the shell being provided with openings, a member intersecting the shell intermediate the ends of the shell and providing a guide, a valve within the shell for controlling the flow through the conduit, a stem carried by the valve and extending lengthwise of the shell and through the guide, a cap for closing the filling opening, said cap having a threaded socket with which the outer end of the stem engages to move the valve into open position upon rotation of the cap when being applied, a spring within the shell and interposed between the valve and the guide for automatically moving the valve into closed position when the cap is removed, and an enlargement carried by the stem and coacting with the guide to limit the movement of the valve from its seat, the shell and valve being provided with interlocking means to hold the valve and stem against rotation.

1,542,708. SAFETY ATTACHMENT FOR POWER PRESSES. IVAR C. LARSON, Providence, R. I., assignor, by mesne assignments, to George S. Cooper, Providence, R. I. Filed July 6, 1921. Serial No. 483,200. 8 Claims. (Cl. 192—134.)



1. In a power press, a work-shaping plunger, plunger starting mechanism, manually-operable means for controlling the operation of said plunger-starting mechanism, and a feeler member permitted to gravitate into protecting position by the operation of said manual starting means, and means responsive to the contacting of said feeler with an obstruction in the working zone for rendering the operating stroke of said manual means ineffective.

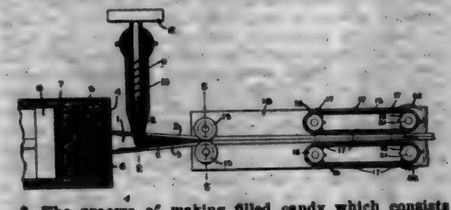
1,542,709. CIRCUIT BREAKER. WILHELM L. LARSON, Oslo, Minn. Filed June 7, 1922. Serial No. 566,518. 1 Claim. (Cl. 200—87.)



A circuit breaker comprising an electromagnet, a stationary contact arranged alongside the magnet, an armature also disposed alongside the magnet and interposed between same and stationary contact, a plate connected to and extending from one end of the magnet, an L-shaped lever pivotally mounted on said plate, a contact arm for cooperation with the stationary contact, a link on the armature and pivotally connected to the L-shaped lever and the contact arm, a finger on the contact arm and extending through an opening in the armature and having a stop portion arranged to cooperate with the armature and a retractile spring interposed between and connected to the contact arm and the L-shaped lever.

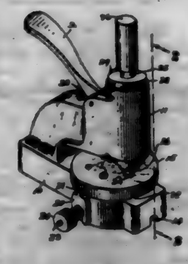
1,542,710. PROCESS OF MAKING FILLED CANDY. WILLIAM B. LASKEY, Brooklyn, N. Y. Filed Apr. 23, 1924. Serial No. 708,348. 8 Claims. (Cl. 107—54.)

1. The process of making filled candy which consists in forming a continuous strip of candy material, applying filling material continuously to said strip, and then progressively folding the strip with the filling material thereon into tubular shape.



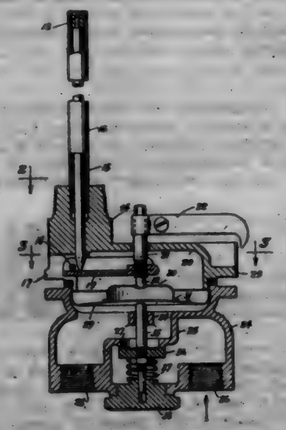
8. The process of making filled candy which consists in forming a continuous trough-shaped strip of candy, placing filling material continuously in said trough-shaped strip as fast as it is formed and then folding the edges of the strip together.

1,542,711. PORTABLE PUNCH. WILLIAM A. LOEVER, Los Angeles, Calif. Filed Jan. 4, 1923, Serial No. 610,686. Renewed Oct. 28, 1924. 12 Claims. (Cl. 164—94.)



1. A punch comprising the combination of a frame, a holding member slidably mounted therein, a punch slidably mounted in said holding member and arranged so that its downward movement therein is limited, and means on said frame for lifting said holding member and thereby extracting said punch from the stock.

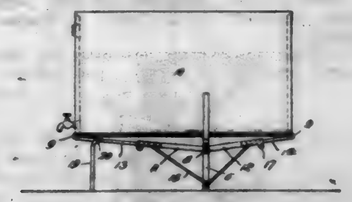
1,542,712. THERMOSTAT CONTROL FOR WATER HEATERS. WILLIAM ALFORD MERRICK, Los Angeles, Calif. Filed Mar. 10, 1924. Serial No. 698,049. 19 Claims. (Cl. 236—48.)



1. A thermostat control, the combination of a thermally expansible member, a dished spring diaphragm tending to maintain itself on one side of its neutral

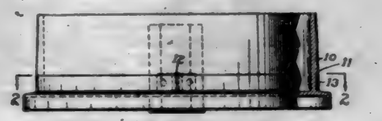
point and arranged to be moved past its neutral point to the other side, a push member comprising a resilient disk engaged at its outer rim with said diaphragm, a lever for transmitting motion from said thermally expansible member to said push member, a post mounted on said lever by threads and engaging said push member at the center thereof, an adjustment handle on said post having a finger operating over a scale temperature indicia thereon, said post being arranged to move said push member whereby to push said diaphragm over its neutral point, a valve casing having intake and outlet chambers side by side and separated by a partition wall having a valve port, said diaphragm closing one side of said casing, a valve disk for said port having a stem disposed to be engaged and moved by said diaphragm and means tending to maintain said valve closed.

1,542,713. BARREL SUPPORT. ALFRED OLSON, Clark, S. Dak. Filed Dec. 26, 1923. Serial No. 682,774. 2 Claims. (Cl. 248—56.)



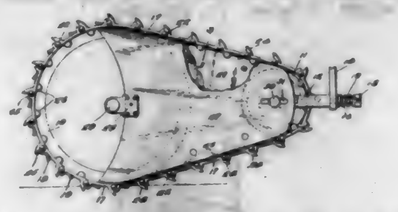
1. A barrel stand including a pair of uprights, a transverse member rigidly connecting the uprights at their lower ends, a transverse cradle member carried by the upper ends of the uprights and adapted for supporting reception of a barrel, a longitudinal rod centrally intersecting the cradle and rigid with the latter, said longitudinal rod comprising forward and rear arms adjustable in length, and provided upon their outer ends with inwardly extending hooks designed to engage with the chines at the opposite ends of the barrel, means to maintain the arms of the longitudinal rod at any adjusted length whereby the hooks may be maintained in engagement with barrels of different sizes, the forward arm of the longitudinal rod being of greater length than the rear arm thereof whereby the cradle member is positioned to one side of the transverse axis of the barrel when the hooks are engaged with the chines of the latter, and a folding leg carried by the longer forward arm of the longitudinal rod to sustain the barrel in a horizontal tilted position.

1,542,714. REENFORCED-WIRE-DRAWING BLOCK. CHARLES H. OSLUND, Worcester, Mass., assignor to The O & J Machine Company, Worcester, Mass., a Corporation of Massachusetts. Filed Nov. 3, 1923. Serial No. 672,686. 4 Claims. (Cl. 205—20.)



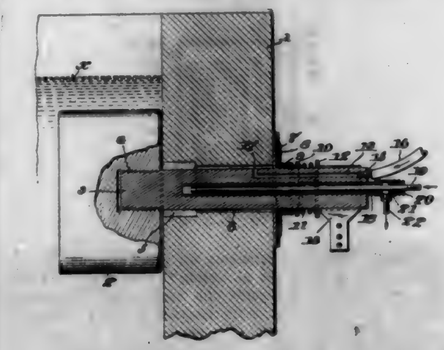
1. As an article of manufacture, a drum for a wire drawing machine of cast iron and having a circumferential groove located at the top of the concave curve thereof which receives the wire first and a hardened steel layer located in said groove to sustain the greatest wear the drum having an uninterrupted surface above said layer and continuous therewith for receiving the wire.

1,542,715. TRACTOR CHAIN. DARNEY P. OWENS, Lake Worth, Fla. Filed July 10, 1924. Serial No. 727,062. 2 Claims. (Cl. 305—10.)



2. A tractor chain comprising a plurality of identically constructed links arranged side by side, each link having an opening at one side, a tongue projecting from the opposite side and adapted to be received by said opening of the adjacent link, each link having thickened portions adjacent the edges thereof, said thickened portions having bores therethrough with the bores of the adjacent links arranged in alignment when said links are associated, a pivot pin passed through said bores for pivotally connecting the adjacent links together at a point whereby said tongues are forced from said openings when the chain is flexed, a curved edge projecting from one side of each link directly adjacent the tongue thereof and cooperating with the said thickened portions of the adjacent link to provide means for effectively engaging the ground to promote traction, and to also limit the pivotal movements of said links in one direction, and spaced parallel lugs carried by each link and arranged to embrace the tractor wheel to prevent casual separation of the chain therefrom while the chain is in use.

1,542,716. MEANS FOR PROTECTING FURNACE ELECTRODES. WILLIAM H. PAYNE, Pittsburgh, Pa. Filed Apr. 18, 1923. Serial No. 632,849. 9 Claims. (Cl. 204—64.)



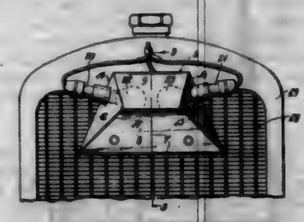
1. The combination with an electric furnace, of a stationary electrode of carbonaceous material extending through the wall thereof, and means for maintaining a circulation of non-oxidizing gas around a portion of the electrode inside said wall to prevent oxidation thereof.

1,542,717. TRUSS. ISAAC M. PEASE, Cincinnati, Ohio. Filed June 4, 1923. Serial No. 643,318. 3 Claims. (Cl. 128—106.)

2. In a device of the class described, a truss spring, studs carried by the truss spring, slides mounted on the truss spring, the studs constituting means for limiting the movement of the slides toward each other, means on the truss spring for limiting the sliding movement of the slides away from each other, a link mounted pivotally on one stud, and a connecting element assembled with the link and engaged with the other stud and pads fastened to the slides.



1,542,718. NONGLARING HEADLIGHT FOR VEHICLES. JAMES DAVID PEMBERTON and JAMES ARTHUR BURNEY, Plant City, Fla. Filed Nov. 6, 1923. Serial No. 673,139. 3 Claims. (Cl. 240—7.)



1. In a non-glaring headlight for vehicles, a source of light; and a casing enclosing said source having a vertical rear wall, the side edges of which converge upwardly, a top wall inclined downwardly from the upper edge of said rear wall and its side edges converging forwardly and inwardly, and forwardly inclined side walls joining the ajacent converging edges of said rear and top walls, said rear wall projecting below the forward edge of said top wall, and said top and side walls constituting shields to prevent the direct forward projection of light rays from said source into the eyes of an approaching driver.

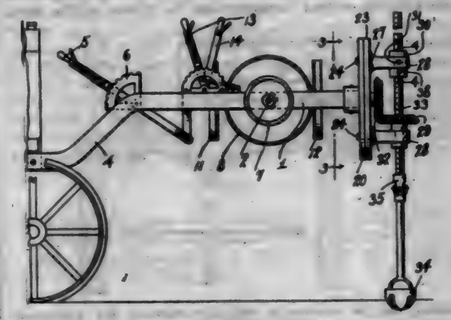
1,542,719. TIRE-CHAIN CARRIER. LEWIS PENWELL, Helena, Mont., assignor to Lewis Fred Penwell, Helena, Mont. Filed Oct. 31, 1923. Serial No. 671,954. 8 Claims. (Cl. 152—14.)



1. The combination with the step of a vehicle of a tire chain carrier receptacle horizontally pivotally secured at one end to the under surface of said step in alignment with the rear wheel, the pivotal securing means also permitting of lateral sliding displacement of said receptacle in a path parallel to the axis of the pivot.

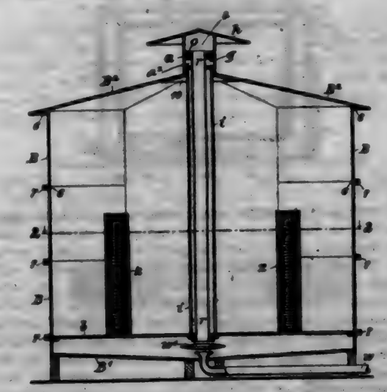
1,542,720. FENCING MACHINE. WALTER B. PHILLIPS, Clinton, Ill. Filed May 26, 1922. Serial No. 563,972. 1 Claim. (Cl. 255—19.)

In a mechanism of the character described, a frame, a disk arranged at one end thereof and fixed to the frame, rack teeth on the disk, a rotatable disk arranged in opposed relation to the first disk, a lever carried thereby and provided with latch elements engageable in the rack teeth whereby to hold the rotatable disk in an



adjusted position about its axis, bearings carried by the rotatable disk and a rotatable shaft journaled in the bearings.

1,542,721. SYSTEM OF GRAIN VENTILATION. CHARLES PIENING and MICHAEL HEINEKEN, Hamburg, Germany. Filed June 23, 1924. Serial No. 721,947. 3 Claims. (Cl. 98—26.)

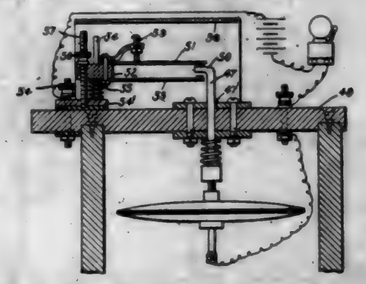


2. The combination with a receptacle having a closed bottom, a perforated partition above said bottom, an extension above the top, a partition dividing the extension into upper and lower compartments for the inlet and outlet of air, an imperforate tube leading from the space above the partition in the extension to below the partition in the receptacle, and a perforated tube concentric with the first mentioned tube and opening to the space below the partition in the extension.

1,542,722. THERMOSTATIC CIRCUIT CLOSER. WILLIAM K. PINNELL, Sedalia, Colo. Filed May 25, 1922. Serial No. 563,547. 1 Claim. (Cl. 200—139.)

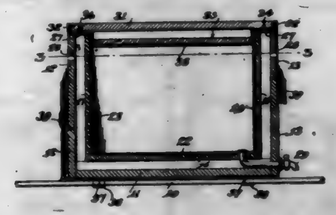
In a device of the class described, a thermostatic element, a stem controlled thereby and including a device extending laterally from the stem, a plurality of contact members between which said device is movable upon the expansion or contraction of the thermostatic device, a vertically movable element for mounting the contact members, guiding devices for said vertically moving element, one of said devices last named being threaded and all of these guiding devices passing loosely through the vertically movable element, resilient means for imparting thrust to said element, and an adjustable device en-

gaging the threaded guiding device for limiting the extent of movement of the vertically movable element under resilient action and varying the distance between one of said contact elements and the device on the stem,



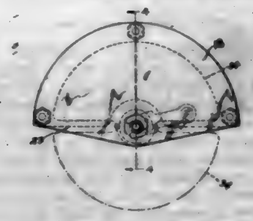
means on the vertically movable element for independently adjusting the other contact element, and means for completing a circuit through said stem and either of the contact elements and the mounting means thereof.

1,542,723. REFRIGERATOR. FRED D. PRATT, Green Bay, Wis. Filed Nov. 29, 1924. Serial No. 752,962. 2 Claims. (Cl. 217—5.)



1. A refrigerator device comprising an outer shell open at the top, an inner shell of nonconductive material open at the top and spaced from the outer shell, a sheet metal lining for the inner shell with its upper portion outstanding and extended over the outer shell and constituting a closure for the space between the shells, a closure for the inner shell formed of a sheet metal body having upstanding outer portions to engage within said lining member and outstanding portions extending from the upstanding portions of the body and bearing upon the outstanding portions of the lining, an outer cover member bearing upon the outstanding portions of the lining, and a member of nonconductive material bearing upon the sheet metal body and spaced from the outer cover member.

1,542,724. RADIO APPARATUS. OSBORNE L. PRICE, Frederick, Md. Filed May 31, 1922. Serial No. 564,734. 3 Claims. (Cl. 250—41.)



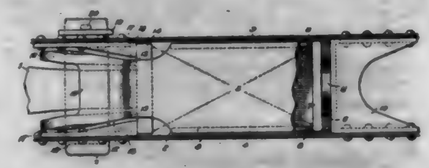
3. A variable condenser comprising in combination a framework consisting of front and rear plates of insulating material substantially semi-circular in contour bounded by an angled edge, connecting posts terminating in said insulated plates, stationary plates mounted on said connecting posts and spaced one from another with one of said plates lying directly in contact with the inner face of said front plate throughout the area thereof, bearing apertures positioned directly adjacent the angled edges of said insulating plates, a rotating spindle mounted in said apertures and carrying movable plates arranged to be rotated with said spindle in a horizontal plane with said front insulated plate forming the sole support for said condenser with reference to an adjacent surface.

1,542,725. COFFIN. ALFRED C. RAY, Butte, Mont., assignor of one-eighth to Otto Schubert, Basin, Mont. Filed May 15, 1924. Serial No. 713,551. 4 Claims. (Cl. 27—31.)



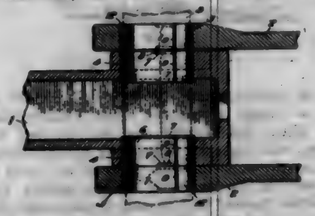
1. A coffin including a case, a jacket surrounding the case, a lid closing the case and provided with a cover sealed to the jacket, and a combined reinforcing bar and handle secured to the cover to extend longitudinally of the lid medially thereof throughout the major portion of the length of the lid.

1,542,726. DRAFT GEAR. WILLIAM J. REGAN, Wilkinsburg, Pa., assignor to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed June 2, 1923. Serial No. 642,933. 4 Claims. (Cl. 213—65.)



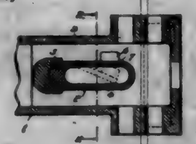
1. A draft gear involving a yoke device provided with a casing and having a pair of horizontally alined slotted arms terminating at their rear ends in spaced relation to the forward end of said casing, said arms being integrally united in advance of said casing by vertically alined webs extending forwardly from and integrally united to said casing and adapted to transmit draft strains from said arms to said casing, said webs converging at their forward ends and terminating adjacent the forward ends of the slots of said arms, a follower movably mounted between said webs in advance of said casing and to the rear of said arms, a car coupler extending between said arms and movable longitudinally with respect to said yoke device, and a key operatively connecting said coupler and arms for transmitting draft strains to the latter, said casing having an opening at its rear end and being provided with a detachable closure for said opening.

1,542,727. RAILWAY DRAFT APPLIANCE. WILLIAM J. REGAN, Wilkinsburg, and ENOCH GEORGE, Jr., Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,265. 14 Claims. (Cl. 213—62.)



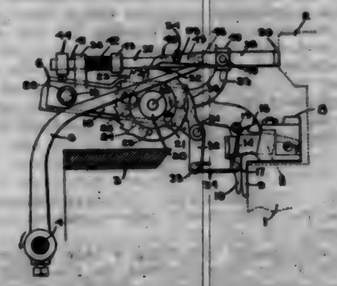
1. In a railway draft appliance, the combination with a draft member having a key receiving slot therein, of a bushing mounted on said draft member and extending into said slot, said bushing being split and adapted to be bent so as to be entered in said slot, and being provided with means co-operating with said draft member to maintain said bushing in assembled position, said means being adapted to be moved from assembled position by a bending of the bushing.

1,542,728. RAILWAY DRAFT APPLIANCE. WILLIAM J. REGAN, Wilkinsburg, and ENOCH GEORGE, Jr., Pittsburgh, Pa., assignors to The McConway & Torley Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,266. 7 Claims. (Cl. 213—62.)



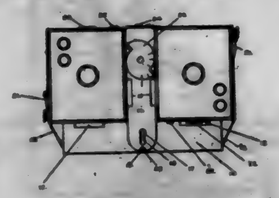
1. In a railway draft appliance, the combination with a draft member having a slot adapted to receive a key forming an element of the draft appliance, of a bushing mounted on said draft member and extending into the slot thereof, said bushing being adapted to cause said key to be positioned nearer one end of said slot than the other.

1,542,729. INTERMITTENTLY-OPERATED TEMPLE THREAD CUTTER. ALONZO E. RHOADES, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Oct. 23, 1924. Serial No. 745,283. 6 Claims. (Cl. 139—266.)



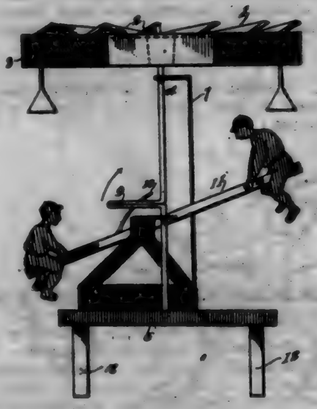
1. A loom comprising automatic filling replenishing mechanism, and transfer controlling means therefor, a temple stand, a temple reciprocably mounted thereon, a filling parting device carried by said temple, resilient means normally tending to hold said parting device in operative position and means operable by or through the movement of the lay for actuating said parting device, a rotatable spring actuated timing device mounted directly upon said temple stand, means operable by the movement of the lay for rotating said timing device step by step against the action of its spring, means operable by said timing device to withdraw said parting device from, and thereafter to retain said parting device out of, operating position and means operable by said transfer controlling means to release said timing device upon call for transfer and thereby restore said parting device to operative position.

1,542,730. DEVICE FOR MAKING STEREOSCOPIC PHOTOGRAPHS. JOHN C. NORMAN RICHARDS, Lincoln, Nebr. Filed Sept. 5, 1922. Serial No. 586,289. 4 Claims. (Cl. 95—96.)



1. Means for holding two similar cameras spaced in position for producing negatives of a stereoscopic nature, said means including a base for supporting the two cameras and a spacing element secured to said base in perpendicular relation thereto, said spacing element being adapted to laterally space the two cameras.

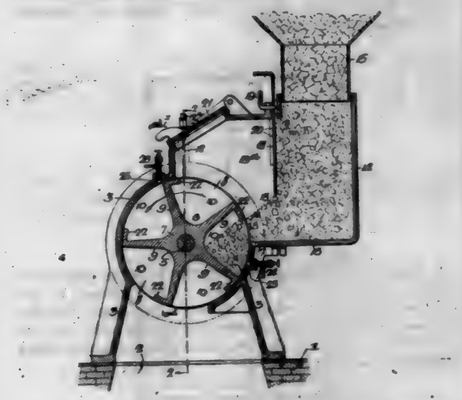
1,542,731. GYRATING TOY. WALTER PAUL SCHORTMANN, Springfield, Mass. Filed Jan. 27, 1923. Serial No. 615,370. 1 Claim. (Cl. 272—31.)



A toy of the class described comprising in combination, a rotatable fan top horizontally disposed with the greater portion of the extremities of the fan blades non-enclosed except at one tip of each of the blades, a central member for the fan top, a shaft journaled and secured to said member so as to rotate therewith, a horizontally disposed arm extending from the shaft, a see-saw mechanism disposed at the side of the shaft and having one side overbalanced whereby one end of the see-saw will be normally up and the other end normally down, a curved and resilient arm extending upwardly from the see-saw on the side thereof that is normally down, said arm being ex-

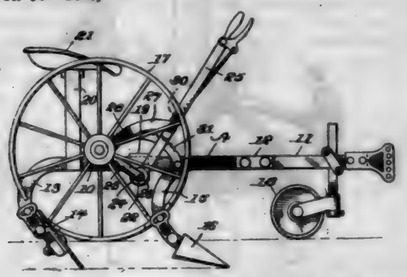
tended beyond the center of gravity of the see-saw over to the up side of the see-saw, and whereby the arm of the shaft will engage therewith and swing the see-saw up during one half period of the rotation of the fan and the shaft arm, and allow the see-saw to swing down during the second half period of the rotation, a fulcrum support for the see-saw and means for bracing the support and the shaft together, and means for holding the support and shaft.

1,542,732. COAL FEEDER FOR GAS PRODUCERS. CHARLES A. SCHRANZ, Philadelphia, Pa., assignor to Walter Wood, trading as R. D. Wood & Company, Philadelphia, Pa. Filed Apr. 14, 1922. Serial No. 552,808. 7 Claims. (Cl. 214—35.)



1. The combination in a coal feeder for gas producers, of a housing; a drum mounted in the housing capable of being rotated; and a chute at one side of the housing having an opening in its side to allow the coal to flow from the chute into the drum, the chute having a flat bottom which sustains the weight of the coal in the chute.

1,542,733. LISTER. ALBERT A. SCHULER, Zorn, Tex. Filed June 16, 1923. Serial No. 645,878. 2 Claims. (Cl. 97—166.)



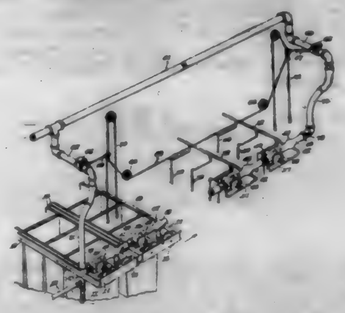
1. A lister plow comprising a frame, plows carried thereby, a front wheel supporting the frame, rear wheels therefor, a sectional arched shaped axle for said rear wheels, said sections being mounted on the frame for partial rotation, means for rotating said sections of the axle whereby said frame is adjusted with relation to the ground, said means including a lever for each section of the axle, said lever being pivotally mounted on said section, a curved arm connected with said lever, and a resilient connection between the curved arm and the adjacent section of the axle for the purpose specified.

1,542,734. SHEET GRIPPER. HAROLD W. SHERRY, Columbia, La. Filed May 27, 1924. Serial No. 716,150. 2 Claims. (Cl. 101—408.)



1. A sheet gripper comprising a strip provided at one end with a clamp, a resilient fork bracket disposed along the strip and having one end portion secured in the clamp, the branches of the fork bracket being disposed beyond the opposite side edges of the strip and a set screw secured to the strip, at the median longitudinal dimension thereof and passing transversely through the stem portion of the fork bracket and a nut threaded upon the screw and bearing against the stem portion of the fork bracket at a point in the median longitudinal dimension thereof and adapted to move the inner edges of the branches of the fork bracket transversely with relation to the side edges of the strip.

1,542,735. AIR-FEEDING SYSTEM FOR ICE CANS. THOMAS SHIPLEY, York, Pa. Filed Apr. 18, 1923. Serial No. 633,024. 13 Claims. (Cl. 62—159.)



8. In a can ice plant of the type in which the cans travel in series from a filling station to a dumping station, the combination of a plurality of can units, each comprising a plurality of cans connected together; air pipes arranged to discharge within the cans; a supply manifold for the air pipes of each can unit; a tubular header made up of a plurality of readily separable sections, each section being connected with a corresponding supply manifold; two air supply connections, each adapted to be releasably connected with a corresponding end of the header; valves controlling the flow of air through said connections; controlling means for said valves constructed and arranged to prevent the valves from being in closed condition simultaneously; and valve means associated with each header section, and operable to close said header at either side of its connection with the corresponding manifold.

1,542,736. UNDERREAMER. WILLIAM P. SHUTT, Dolores, Tex. Filed Dec. 7, 1921. Serial No. 520,670. 10 Claims. (Cl. 255—77.)

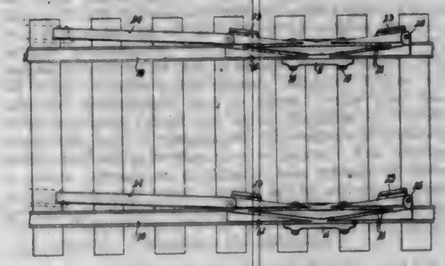
1. An under-reamer comprising a body member provided with a slot extending from its lower end to a point remote therefrom bifurcating said body member into arms provided with cutting edges at their lower ends, a wedging member within said slot, telescopicnily arranged in relation to said body member, and the upper end of said wedging member seating against the inner

end wall of said slot when said parts are in fully telescoped position, means engaging the outer surface of said body member, comprising leaf springs each connected



intermediate its ends with said wedging member through said slot on opposite sides thereof and provided at their lower ends with cutting edges comprising a secondary reamer.

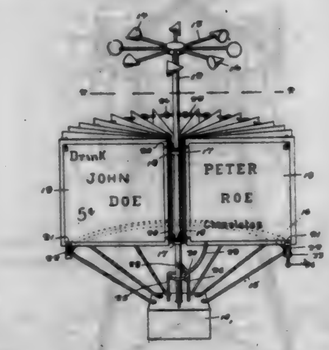
1,542,737. RERAILING DEVICE. JOHN W. SKATES, Carlin, S. Dak. Filed Dec. 27, 1924. Serial No. 758,420. 3 Claims. (Cl. 104—271.)



2. A car replacer comprising a frog made up of companion sections designed to unitedly embrace the head of a rail, means for holding said sections operatively associated, said frog having grooves extending throughout the length thereof, and relatively short grooves adjacent the ends thereof, said frog having an opening adjacent each end, an auxiliary rail, and a pin projecting from said rail and adapted to be received by either of said openings, whereby said rail can be pivotally associated with either end of the frog, as and for the purpose specified.

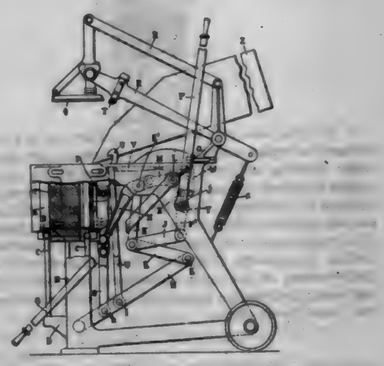
1,542,738. ADVERTISING DEVICE. JOHN M. SMITH, Raleigh, N. C. Filed Mar. 10, 1924. Serial No. 698,247. 4 Claims. (Cl. 40—104.)

1. In a device of the character described, a base, a vertical shaft journaled therein, a cup windwheel on the upper end of the shaft, stop collars on the shaft, rings loosely encircling the shaft above the stop collars, a stationary track, a plurality of sign plates pivoted and slidable upon said rings and carrying rollers traveling on the track, a cam mounted above the base, and a pivoted arm on the shaft traveling on said cam and



movable thereby into upwardly extended position whereby to engage a sign plate and swing it from one side of the shaft to the other.

1,542,739. PRESS FOR MOLDING PLASTIC SUBSTANCES. WILLIAM HERBERT SMITH, East Molesey, England, assignor to Triangular Construction Company Limited, East Molesey, England. Filed June 6, 1923. Serial No. 643,739. 8 Claims. (Cl. 25—45.)

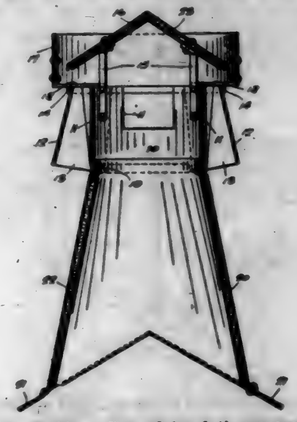


1. In a block molding press the combination of a mold adapted to contain the material to be molded a toggle mechanism adapted to apply pressure to the material, a second toggle mechanism adapted to eject the compressed material from the mold and a transmission member connected at different points to both said toggle mechanisms and fulcrumed about the point at which it is connected to the first while the second is operative.

1,542,740. VENTILATOR. EDWARD T. SPILLMAN, Columbus, Ohio, assignor to The V-W Ventilator Company, Columbus, Ohio. Filed May 31, 1924. Serial No. 716,973. 8 Claims. (Cl. 98—4.)

1. A ventilator of the type described, including a vertical cylindrical body having apertures in the wall thereof, shields secured externally of the body opposite the apertures and in upwardly and inwardly inclined relation to, and spaced from, the body, having tapering side

walls whose upper portions are spaced from the body, a hood spaced above the body, and a tubular supporting base on which said body is disposed, said base and said



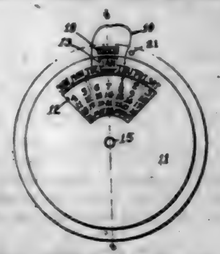
hood having double walls and insulating spaces between said walls whereby to prevent condensation on the inner surfaces thereof, as described.

1,542,741. DEMOUNTABLE RIM. BOYD STEBBLTON, Baltimore, Ohio. Filed June 1, 1923. Serial No. 642,735. 1 Claim. (Cl. 301—35.)



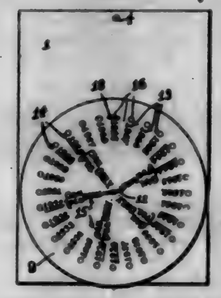
A demountable rim structure comprising a pair of continuous annular rings, one of which is provided at its inner surface and between its edges with an annular and angular groove, the said ring being beveled from its inner surface to its inner edge, the other ring having a wedge-shaped portion adapted to fit snugly in the bevel of the first mentioned ring, and the second mentioned ring having a plurality of spring clips adapted to be disposed transversely of the first mentioned ring, said clips having heads adapted to engage in the annular groove of the first mentioned ring.

1,542,742. PERPETUAL CALENDAR. FAYE A. STEVENSON, Lancaster, Ohio. Filed Feb. 25, 1924. Serial No. 694,906. 6 Claims. (Cl. 40—115.)



3. A calendar comprising a face-plate having slots therein, a member mounted to rotate in rear of said face-plate, said member being provided with legends denoting the months of the year so positioned as to be displayed one at a time through one of said slots in the face-plate, said member being further provided with a year slot adjacent its edge portion, a second member mounted to rotate in rear of said face-plate, said second member being provided with numerals denoting days of the month so positioned as to be displayed through another of said slots in the face-plate when said second member is rotated, said second member being further provided with a series of numerals designating years, said series of numerals being so positioned as to be displayed one at a time through said year slot in the first mentioned rotatable member when either of said rotatable members is turned.

1,542,743. REFERENCE CALENDAR. FAYE A. STEVENSON, Lancaster, Ohio. Filed Apr. 25, 1925. Serial No. 25,867. 1 Claim. (Cl. 40—115.)



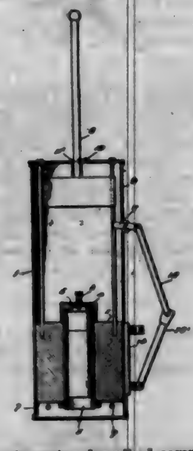
A calendar comprising a face-plate having a number slot and month display means, a rotatable member positioned in the rear of said face-plate and provided with numerals indicating the days of the month, such numerals being visible through the number slot, a second rotatable member in the rear of the face-plate and having month designations arranged consecutively thereon and adapted to be indicated by said month display means, the second rotatable member being provided upon its rear face with a group of year designations arranged thereon in numerical order and having openings corresponding in number and arrangement to said year designations, and a locking element carried by the first named rotatable member and adapted to be inserted within a selected opening of the second named rotatable member so that the said members may be locked together to rotate as a unit.

1,542,744. AUTOMOBILE STEERING GEAR. AUGUST SWIETERS, Fort Wayne, Ind. Filed Sept. 22, 1924. Serial No. 739,232. 3 Claims. (Cl. 280—94.)



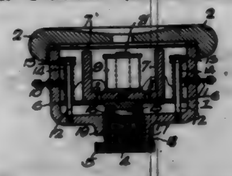
1. In steering gear for an automobile, the combination of a front axle, knuckles pivoted thereto and carrying ground wheels and having opposite arms, a body fixed to the front axle, thrust means guided in said body and opposed at its ends to the said knuckles arms and having an intermediate abutment, and springs interposed between the said abutment and body portions located between the said abutment and the said knuckle arms; the said thrust means including rods guided in said body portions, and a turn buckle connecting the said rods and having an enlarged portion constituting an abutment for the inner ends of the springs.

1,542,745. BURGLAR ALARM. JOHN W. THOMPSON, Jr., Drakesville, Iowa. Filed Apr. 15, 1922. Serial No. 553,148. 1 Claim. (Cl. 116—87.)



A device of the character described comprising a casing, a casting arranged in the casing and provided with a bore, a cartridge holding tube arranged in the bore, a cap removably arranged upon one end of the cartridge holding tube, a spring pressed firing pin received in the cap and extending vertically in the casing, a plurality of guide rods connected with the casting and the upper end of the casing, a weight slidably mounted on the guide rod, adapted to engage the firing pin to detonate the cartridge contained in the cartridge tube, a rod carried by the weight and extending through the top of the casing and a pivoted latch carried by the casing and normally engaging the rod to hold the weight in an elevated position, and means for disengaging the latch from the rod to permit the weight to fall.

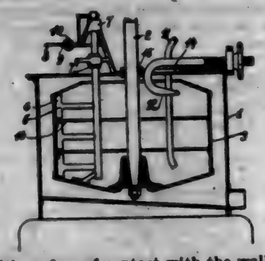
1,542,746. TELEPHONE INSTRUMENT. JOHN S. TIMMONS, Philadelphia, Pa. Filed June 28, 1921. Serial No. 481,040. 4 Claims. (Cl. 179—114.)



1. The combination in a telephone instrument of a case; a diaphragm; an electromagnet operatively associated with said diaphragm; a plate carrying said magnet; a plug threaded into the case and engaging the plate said plug constituting a bearing for said plate; and springs acting on the plate to force it away from the diaphragm.

1,542,747. CENTRIFUGAL MACHINE. VINCENZO VERRENI, Rome, Italy. Filed Mar. 4, 1924. Serial No. 696,867. 2 Claims. (Cl. 210—70.)

1. A centrifugal machine, including a drum, means for rotating the drum, a paddle shaft entering the drum, a series of paddles carried by the shaft, means for manually adjusting the shaft to arrange the paddles in



contact with or free of contact with the wall of the drum, and means arranged beyond the drum for fixing the shaft in adjusted position.

1,542,748. HAMMER. ISAAC SCOTT WALTER, Delaware, Ohio. Filed Jan. 5, 1924. Serial No. 684,028. 1 Claim. (Cl. 1—44.)



A glazier's hammer including a head, having a recess in one face, an angular extension upon the opposite face of the head providing a weight and constituting a striking portion, the flat face of which is opposite the center of the recess, a handle extending from one side of the head, and flat relatively thin angular extensions projecting from the other sides of the head, all of said extensions having flat faces occupying the same plane with the recessed face of the head, said flat extensions constituting means for driving points in either of three directions while the head is in sliding engagement with a supporting surface.

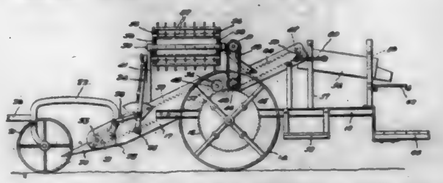
1,542,749. SIGNAL. CHARLES WEBER, Chicago, Ill. Filed Feb. 28, 1923. Serial No. 620,758. 2 Claims. (Cl. 116—45.)



1. In combination with a motor vehicle head light housing structure, a bracket at one side of the housing having spaced arms, a rotatable shaft supported by the housing structure and bracket, an opening on one end of the shaft positioned between said arms a signal member connected to the other end of the shaft and normally lying in a horizontal plane upon the housing structure, a reciprocating rack having cooperative engagement with the opening, a rod having loose connection with the rack, a handle at the other end of the rod for

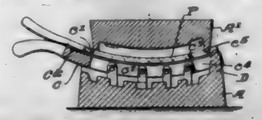
imparting movement thereto and impart movement to the shaft thru actuation of the rack for moving the signal member to a vertical position above the head light housing structure or into the position aligning with the housing structure.

1,542,750. POTATO-DIGGING MACHINE. LOUIS C. WERTS, Center, Colo. Filed July 19, 1921. Serial No. 485,908. 2 Claims. (Cl. 55—137.)



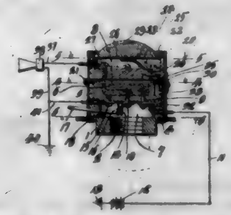
1. In a machine of the class described, a main frame, a second frame mounted thereon and extending upwardly and rearwardly with reference thereto, a conveyor mounted in the second frame and moving rearwardly, means for driving the conveyor, a transversely movable endless element mounted above the conveyor, means for driving said element, and a traveling element for receiving material from the conveyor said transversely movable element including toothed slats extending longitudinally of the conveyor and movable perpendicularly thereof, and at an angle with reference to the plane of its upper surface, providing a space converging rearwardly toward the upper end of the conveyor.

1,542,751. MOLD. WALTER AUDAER WILSON, Armley, Leeds, England. Filed Jan. 2, 1920. Serial No. 348,838. 3 Claims. (Cl. 25—27.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



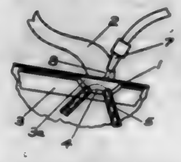
1. In the manufacture of jointless radiants, the combination of a face mold; a back mold; projections on one of said molds; and two plates located between said molds, one of said plates having a series of depressions, both plates being slotted longitudinally to receive the projections of the mold, so that one plate after the other can be removed from the mold after the radiant has been cast.

1,542,752. CIGAR LIGHTER. GEORGE J. WILLIAMS and EDWIN K. NELSON, Jr., Tampa, Fla. Filed July 24, 1924. Serial No. 727,945. 3 Claims. (Cl. 219—32.)



1. A device of the class described including a casing, a closure hinged to the casing, a heating element in the casing, a pair of spring arms electrically connected with the heating element, a push rod extending through the casing to engage one of the spring arms and terminating exteriorly of the casing so that when the closure is hinged to an open position it engages the rod to push one of the arms in engagement with the other.

1,542,753. METHOD OF WELDING ALUMINUM. SPENCER A. WILTSIE, Erie, Pa., assignor to Welds Ware Products Company, Erie, Pa., a Corporation of Pennsylvania. Filed Nov. 11, 1922. Serial No. 600,394. 4 Claims. (Cl. 219—7.)



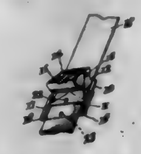
1. The method of welding aluminum which consists in heating the body of the metal locally adjacent to the weld from a source of heat delivered to one side of the material, and then raising the temperature of the metal thus preliminarily heated in a local area to a welding temperature with a gas flame directed to the weld from the side of the material opposite to that subjected to the preliminary heat whereby the temperature necessary for the weld and which is injurious to the metal is so rapidly applied at the weld as to prevent extended diffusion and injury to the metal away from the weld.

1,542,754. SASH LOCK. MATTHEW WILLIAM WRAGG, Akron, Ohio. Filed Sept. 20, 1924. Serial No. 738,869. 1 Claim. (Cl. 292—202.)



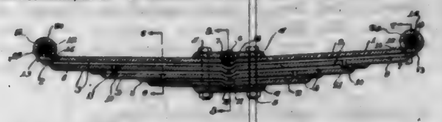
A device of the character described comprising a pivoted member carried by one side of the window frame, said member having an apertured semicircular lug, an attaching and pivoted member extending therethrough and anchored in the frame, a pair of right angularly disposed arms presenting respectively engaging faces for cooperation with the upper face of the meeting rail and the inner face thereof to lock the sash in a partially open position, against further opening from the exterior, one of said arms having an eccentric cam face, and a weighted arm projecting inwardly from said member for swinging said member to a position to engage the cam face with the upper inner edge of the meeting rail of the sash to automatically retain the sash in fully closed position.

1,542,755. ASH TRAY. MICHEL S. YASSUKOVITCH, New York, N. Y. Filed Dec. 18, 1924. Serial No. 756,775. 3 Claims. (Cl. 131—51.)



1. A receptacle of the character described, comprising a resilient base plate bent to form laterally projecting flanges with upwardly turned ears adjacent to and between said flanges, a clamping plate having its edges bent to form hooks, slidably engaging said flanges, a tray trunnioned in said ears, and a cigar or cigarette holder carried by said tray substantially as and for the purposes described.

1,542,756. SELF-LUBRICATING SPRING. ALBERT N. ANTHES, Quincy, Ill., assignor of one-half to Robert F. Gunther, Quincy, Ill. Filed Aug. 30, 1923. Serial No. 660,177. 3 Claims. (Cl. 267—50.)



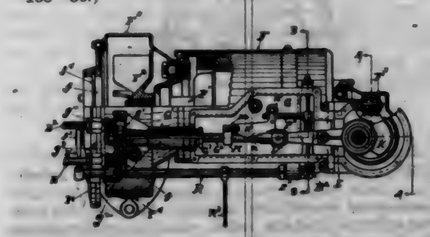
1. In a self-lubricating spring, the combination of main supporting leaves having vertical oil passages, said leaves having projections on their under side surrounding said oil passages to reenforce the leaves and to function as guides, and intermediate leaves having longitudinal slots extending substantially the entire length of the leaves and functioning as oil passages and also as means for engaging the above-mentioned guides of the main supporting leaves.

1,542,757. DISK SHARPENER. CORNELIUS E. BAKER, Indianola, Iowa. Filed June 26, 1924. Serial No. 722,574. 1 Claim. (Cl. 76—85.)



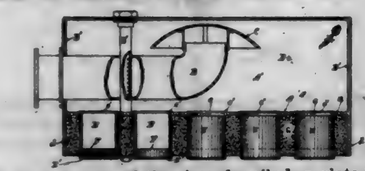
A disk sharpener comprising a bar having at one end a handle portion and at the other end a slightly offset bifurcated portion, a collar slidably mounted on said bar having spaced arms, offset on the same side of the bar as said offset portion, means for securing the collar at various points on the bar, and sharpener devices bolted on said arms.

1,542,758. FUEL-GAS-GENERATING PLANT. WILLIAM E. BAKER, Erie, Pa., assignor to Webb Engineering Company, Erie, Pa., a Common Law Trust. Filed Jan. 25, 1924. Serial No. 688,550. 3 Claims. (Cl. 158—36.)



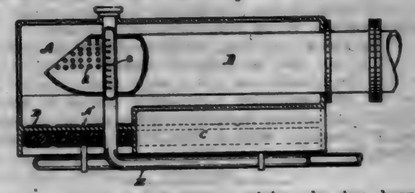
1. In a fluid fuel generating plant, a pump barrel, inlet and outlet valve mechanism communicating therewith, a plunger operating in said pump barrel, a head on said plunger, a slidable block on said plunger, crank and shaft mechanism, a pitman pivoted to said block and to said crank, motor and gear mechanism to rotate said shaft and gear mechanism, a swinging arm having a series of ratchet shoulders thereon stationarily secured to said pump plunger adapted to be engaged by said block, and mechanism to vertically adjust said swinging arm.

1,542,759. FLUID-FUEL BURNER. WILLIAM E. BAKER, Erie, Pa., assignor to Webb Engineering Company, Erie, Pa., a Common Law Trust. Filed Mar. 3, 1924. Serial No. 696,542. 1 Claim. (Cl. 158—28.)



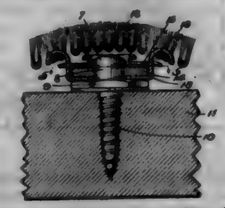
In an apparatus of the class described, a plate having a plurality of openings therethrough, a series of nipples secured in said openings, walls enclosing said plate and forming an enclosed chamber over one side of said plate and forming a flange-like projection around the face of said plate, a series of nipples secured in the openings in said plate, perforated discs of refractory material secured in the opposite end of said nipples, and refractory heat resisting material filling said flange-like projection around said nipples.

1,542,760. FLUID-FUEL BURNER. WILLIAM E. BAKER, Erie, Pa., assignor to Webb Engineering Company, Erie, Pa., a Common Law Trust. Original application filed Jan. 25, 1924, Serial No. 688,550. Divided and this application filed Aug. 28, 1924. Serial No. 734,719. 3 Claims. (Cl. 158—29.)



1. In a liquid fuel burner, a mixing chamber, burner nipples in the bottom thereof, an air conveying pipe extending into said mixing chamber, a generator tube suspended adjacent to said nipples to receive the flame therefrom and thence passing transversely through said mixing chamber and through the walls of said air conveying pipe, said tube being perforated within said air conveying pipe.

1,542,761. FASTENER. FRED S. CARR, Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Feb. 1, 1923. Serial No. 616,292. 4 Claims. (Cl. 16—4.)



1. A fastener comprising, in combination, a stud having a head, a neck and a base, a casing presenting a stud-receiving aperture of sufficient diameter to admit

said base, said casing presenting outwardly thrown portions to engage the floor when said stud is entered in said socket and thereby to relieve the spring in said socket of pressure when the carpet above said casing is subjected to pressure.

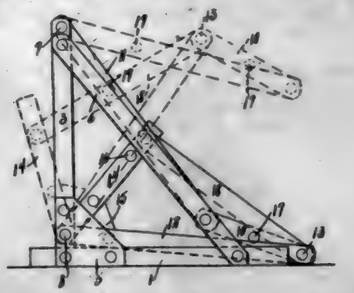
1,542,762. ARROW. IRA VINCENT COLE, Seattle, Wash. Filed Feb. 5, 1925. Serial No. 6,946. 11 Claims. (Cl. 124—26.)



7. An arrow having a feathered shaft, a nock member secured to the end of the shaft, said nock member presenting two jaws forming between them the nock, one of the jaws being pivotally mounted and swingable toward and from the other, and a spring acting on the pivotally mounted jaws and adapted to press it yieldingly against the bow string when the arrow is nocked.

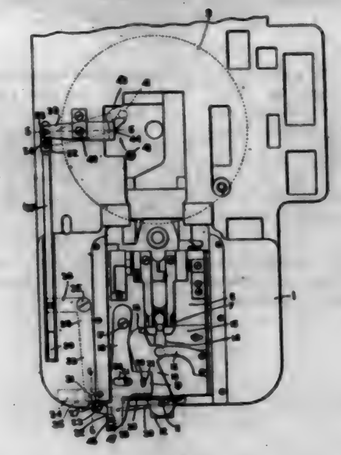
11. An arrow comprising a feathered shaft comprising a nock at one end, an insert of relatively heavy wood set into the opposite end and a metal footing encircling said end and comprising a cylindrical portion in which the extremity of the shaft is received, two wings overlying the opposite sides of the shaft, and rivets connecting the wings and extending through the shaft.

1,542,763. STRAIGHT-LINE-LIFT PUMP JACK. WILLIAM J. COLEGROVE and LEVI A. VANDERVOORT, Ranger, Tex., assignors to Oil Well Accessories Corporation, Ranger, Tex., a Corporation of Texas. Filed Feb. 5, 1924. Serial No. 690,825. 6 Claims. (Cl. 74—5.)



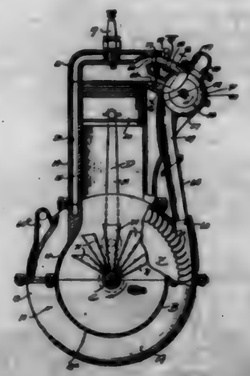
1. A pump jack comprising a frame, fulcrum bars and a combined fulcrum and lift bar carried thereby, and means operatively connected to said fulcrum bars and frame for reversing said fulcrum bars and simultaneously elevating the same.

1,542,764. THREAD-TRIMMING DEVICE FOR BUTTONHOLE-SEWING MACHINES. JOHN W. CONNORS, Dedham, Mass., assignor to The Reece Button Hole Machine Company, Boston, Mass., a Corporation of Maine. Filed Dec. 26, 1924. Serial No. 758,105. 7 Claims. (Cl. 112—252.)



1. In a sewing machine, the combination with a bed frame, of work-holding means carried thereby, stitch-forming mechanism, a main cam by which the operation of the machine is controlled, a thread cutter carried by the work-holding means, a reciprocating slide on the bed frame, means to actuate the cutter by the movement of the slide, and means to operate the slide from the main cam.

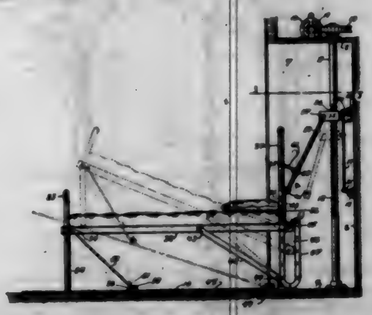
1,542,765. INTERNAL-COMBUSTION ENGINE. FRANK B. H. GARSON, Lawrence, Mass. Filed June 8, 1923. Serial No. 644,198. 3 Claims. (Cl. 123—80.)



1. In an internal combustion engine, a casing including a cylinder chamber and a cylindrical valve chamber at one side of the cylinder chamber, said valve chamber having an inlet and an outlet spaced circumferentially of the valve chamber, the cylinder chamber having intake and exhaust ports communicating with the valve chamber between the inlet and outlet and in spaced relation

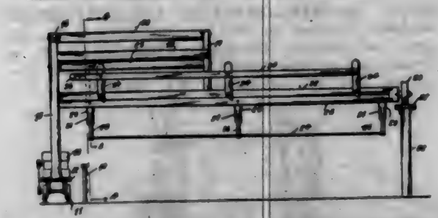
circumferentially of the valve chamber, a rotary valve member in said valve chamber having a circumferentially disposed peripheral pocket for controlling communication between the ports and inlet and outlet during rotation of the valve, a piston operating in said cylinder, a crank shaft connected with said piston, and means for imparting rotary movement to the valve in timed relation to movement of the piston.

1,542,766. ELECTRICALLY-OPERATED DISAPPEARING BED. HARVEY H. HALL, Adams County, Colo. Filed Mar. 29, 1923. Serial No. 628,637. 4 Claims. (Cl. 5—133.)



1. The combination with a cabinet, of a bed frame pivotally associated towards its inner portion with the base of said cabinet for foldable closing up therein and opening out therefrom, a vertically disposed threaded actuating shaft mounted rearwardly of said bed frame, a traveling element in threaded association with said shaft, means for operating said shaft in reverse directions of rotation, and longitudinally rigid pivotal connecting means between said traveling element and the inner portion of said bed frame.

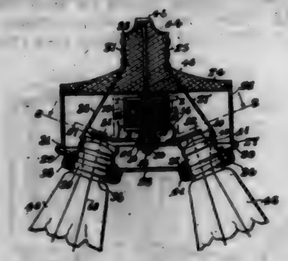
1,542,767. RACE-TRACK STARTING GATE. RICHARD R. HASSETT, Lexington, Ky. Filed Mar. 27, 1924. Serial No. 702,288. 4 Claims. (Cl. 20—24.)



1. Means for starting a race the same comprising a truck, a frame bracingly mounted thereon and having a portion overhanging the race track, a bar carried by the frame and extending completely across the race track, a starting line supporting frame pivoted to the said bar and counterweighted to automatically swing clear of the track, and catch means mounted upon the said bar and normally holding the frame carrying the starting line in operative position.

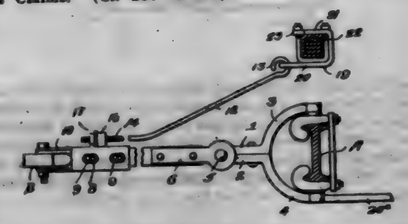
1,542,768. ELECTROMAGNETIC SWITCH. ALBERT J. HEITZ, Vincennes, Ind. Filed Mar. 26, 1924. Serial No. 702,074. 4 Claims. (Cl. 200—87.)

1. A switch for an electric lamp fixture comprising a metallic yoke, a magnet secured within said yoke at the open end thereof, a spring controlled armature arranged within the yoke and supported from the closed end thereof, a plurality of oppositely disposed independent contacts supported and insulated from said yoke and circuit forming connections coacting with one of said contacts for closing a circuit and energizing said magnet,



and circuit forming connections coacting with another of said contacts and with said armature for closing a circuit when said magnet is de-energized.

1,542,769. TOWING TONGUE. WILLIAM D. HENRY, Greenville, Ill. Filed June 3, 1921. Serial No. 474,881. 2 Claims. (Cl. 280—33.55.)



1. A towing tongue comprising a pole connected to the vehicle axle and consisting of two parts having relative longitudinal movement, and a draw bar connecting one of the parts to the vehicle spring.

1,542,770. BRACKET DEVICE FOR CONSTRUCTION OF TEMPORARY PLANK SEATS. JOHN H. HESS, Bloomington, Nebr. Filed Sept. 4, 1923. Serial No. 660,920. 5 Claims. (Cl. 155—2.)

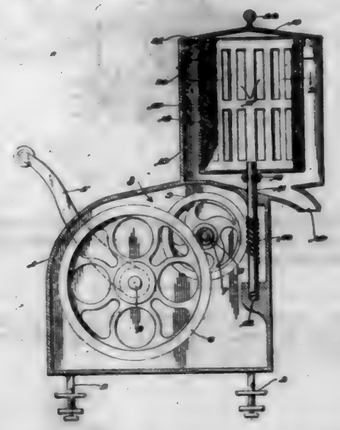


1. A bracket structure for use in constructing temporary stands, comprising an upright bracket member having its lower end forked for engagement upon a stringer, means on said upright member for holding a board to define a seat back, and a forwardly extending arm connected with said upright bracket member and designed to lie upon the stringer to form a support for a plank constituting a seat.

1,542,771. FRUIT-JUICE SEPARATOR. LOUIS N. HILLS, Hayden, Colo. Filed Feb. 6, 1922. Serial No. 534,482. 1 Claim. (Cl. 210—74.)

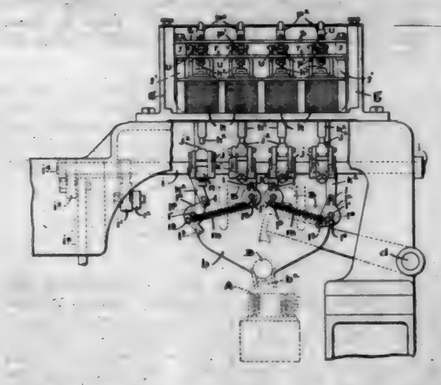
A juice separator comprising a casing, an outer cylinder upstanding therefrom, drive mechanism mounted in the casing including a crank handle arranged exteriorly

of the casing, a vertical shaft having connection with said drive mechanism, an inner cylinder mounted within the outer cylinder and supported for rotation by said shaft, said inner cylinder having its walls arranged in equal spaced relation with the outer cylinder and provided with a plurality of longitudinal slots arranged cir-



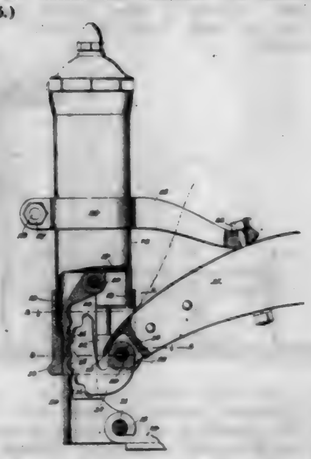
cumferentially thereof and disposed in alignment above and below the horizontal center of the cylinder, a removable screen supported by the inner cylinder, a cover for the outer cylinder having depending flanges arranged in spaced relation with the outer flange engaging the inner wall of the outer cylinder and the inner flange engaging the outer wall of the inner cylinder.

1,542,772. AUTOMATIC WEFT-REPLENISHING MECHANISM FOR LOOMS. DENIS M. HOLLINS, Blackburn, England, assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed June 14, 1924. Serial No. 720,020. 10 Claims. (Cl. 139—232.)



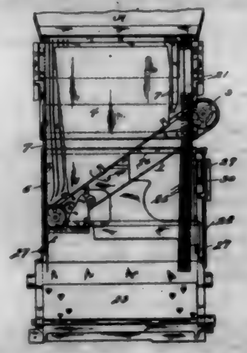
1. Automatic electrically operable weft replenishing mechanism for shifting shuttle box looms comprising a transfer circuit and a feeler circuit having in common branches provided with means for controlling the delivery to the transferrer of selected weft carriers corresponding to those of the respective shuttles, means operable by the box-selecting mechanism to complete a selected branch, means operable by the momentary completion of the feeler circuit, upon detection of exhaustion of filling in the active shuttle, to complete the transfer circuit and to break the feeler circuit and means successively operable by the transfer circuit when completed respectively, to cause the delivery of a selected weft carrier and to actuate the transferrer upon the next return of the same shuttle to the filling replenishing end of the loom.

1,542,773. MOUNTING FOR AUXILIARY SPRINGS. BRADFORD B. HOLMES, New York, N. Y. Filed Nov. 23, 1922. Serial No. 602,828. 12 Claims. (Cl. 267—65.)



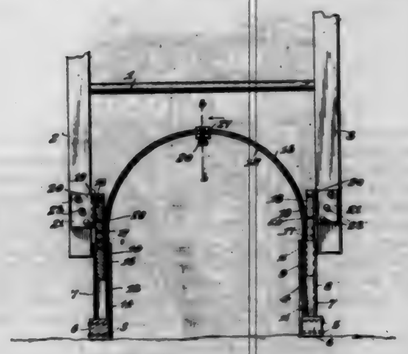
1. The combination with a leaf spring and a spring horn having a shackle bolt hole, of a base member straddling said horn; bushings threaded in said base member and engaging the sides of said spring horn to position the base member laterally thereon; a bolt passing through said bushings and the bolt hole in said spring horn; and an auxiliary cushion mounted on said base member and having a yielding element connected with said leaf spring.

1,542,774. MATRIX RELEASING AND DELIVERING MEANS. THOMAS S. HOMANS, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed July 7, 1924. Serial No. 724,717. 8 Claims. (Cl. 199—19.)



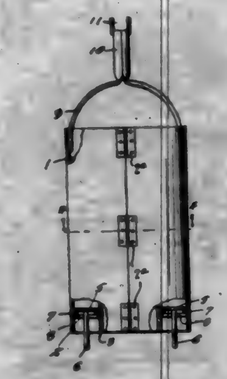
1. In a typographical machine having a plurality of magazines provided with escapements for delivering matrices therefrom, partitions for guiding matrices delivered from the magazines, and escapement-actuating means having portions thereof operative in groups in the planes of said partitions.

1,542,775. EQUALIZER FOR LADDERS. HARRY F. HUGHES, Dallas, Pa. Filed Feb. 18, 1925. Serial No. 10,069. 8 Claims. (Cl. 228—64.)



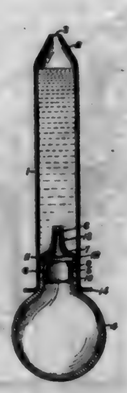
7. An equalising device for ladders comprising a pair of connected, spaced socketed supporting elements opposing each other and an arch-shaped, resilient automatically adjustable ladder carrier having vertical guide bars slidably mounted in and projecting upwardly from said elements and adjusted by the weight of the ladder to equalize the position thereof when one of said elements projects above the other.

1,542,776. WELL-DRILLING TOOL. CLIFTON M. INGRAM, Porter, Okla., assignor of one-half to Robert L. Dedmon, Porter, Okla. Filed Oct. 7, 1924. Serial No. 742,251. 2 Claims. (Cl. 166—19.)



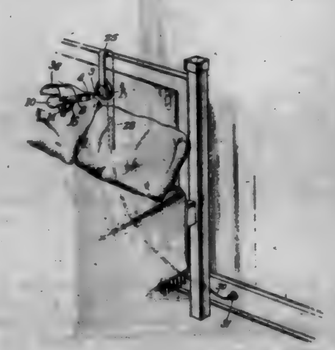
1. A device of the class described comprising two similar semi-cylindrical sections hingedly secured together and arranged to be secured in cylindrical formation, each of said sections comprising two walls spaced apart, and a valve mounted in the bottom of each section to control communication with the space between said walls.

1,542,777. SYRINGE. JOHN W. B. LADD, Boston, Mass., assignor to Randall-Faichney Corporation, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 30, 1925. Serial No. 5,736. 4 Claims. (Cl. 128—231.)



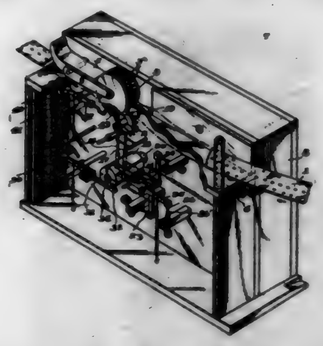
1. In a syringe, the combination of a barrel, a bushing received in said barrel, and presenting a capillary passage, and a flexible bulb having a chamber communicating by way of said passage with said barrel, said bulb having a wall interposed between a portion of said bushing and the surrounding wall of said barrel.

1,542,778. LIGHTING FIXTURE. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Chicago, Ill., a Corporation of Illinois. Filed June 16, 1920, Serial No. 389,294. Renewed Nov. 21, 1924. 21 Claims. (Cl. 240—53.)



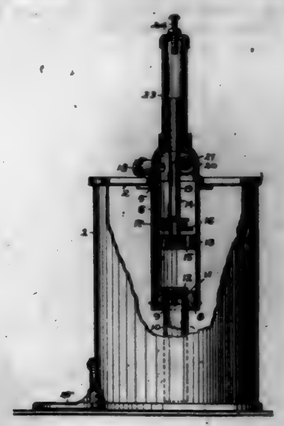
12. In a device of the class described, the combination of a lighting fixture and a counterweight connected by a flexible hanger so that the fixture is held in equilibrium, when the hanger is engaged over a support, said fixture comprising a lighting element spaced laterally from the flexible hanger and means at the opposite side of the flexible hanger for counterbalancing the lighting element.

1,542,779. TAPE TRANSMITTER. WILLIAM C. PETERMAN, Rutherford, N. J., assignor to the Western Union Telegraph Company, New York, N. Y., a Corporation of New York. Filed May 28, 1923. Serial No. 642,681. 6 Claims. (Cl. 178—17.)



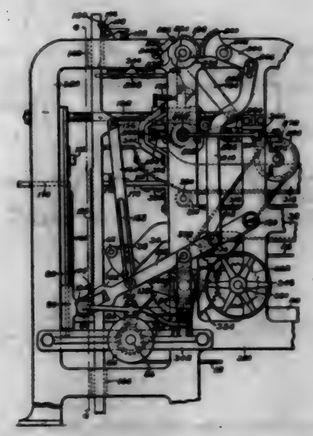
1. An automatic telegraph transmitter, comprising mechanism adapted to feed a perforated message strip or tape through the instrument, selecting contact devices controlled by said tape for transmitting current impulses over telegraph circuits, adjustable means for initiating each impulse, locking means for maintaining the circuit closed for any predetermined period after the initiation of each impulse.

1,542,780. PORTABLE DISPENSING DEVICE. CHARLES SPAETH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 12, 1922. Serial No. 551,812. 2 Claims. (Cl. 103—218.)



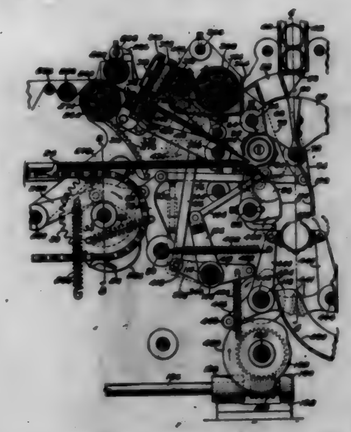
1. A dispensing device for oils and greases, comprising a sheet metal container having a pump body extending downwardly through its top, lugs extending from the pump body seated upon said top, a cylindrical extension for said body exposed above said top, operating means within said body having a crank outside said container, and a rigid bar extending across said top within said container providing a supplemental support for said pump, and means uniting one of said lugs and bar and top rigidly together.

1,542,781. PACKAGING MACHINE. ADOLPH CHARLES VAN SLUYS, Nashua, N. H., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed May 28, 1921. Serial No. 473,295. 31 Claims. (Cl. 93—5.)



1. In a machine for making a package by assembling one or more sheets with a core, the combination of means to hold one or more sheets assembled with the core, and means to rotate said holding means about the axis of the core to wind the sheet or sheets onto the core.

1,542,782. PACKAGING MACHINE. ADOLPH C. VAN SLUYS and WINTHROP L. PERRY, Nashua, N. H., assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H., a Corporation of Massachusetts. Filed Nov. 2, 1922. Serial No. 598,502. 19 Claims. (Cl. 93—5.)



1. In a machine of the class described, the combination of means for rotating a core, means to cause the rotation of the core to effect the winding of a sheet about the core, and means to cause the introduction of a portion of a wrapper between portions of said sheet, whereby continued rotation of said core will effect the winding of a remaining portion of said wrapper about said sheet and core.

1,542,783. SUPPORTING PLATFORM OR TABLE. WALTER A. BILGER, Philadelphia, Pa., assignor to The American Pulley Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Oct. 25, 1922. Serial No. 596,814. 4 Claims. (Cl. 248—41.)



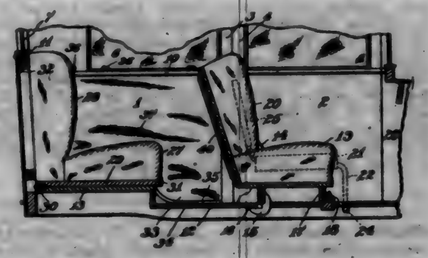
2. A supporting platform including in combination a supporting surface, channel section strengthening battens formed with flanking flange for the supporting surface, and hollow leg members therefor, each said leg comprising opposed counterpart rectangularly dished interfitting sheet metal units having reversely and laterally flanged upper parts adapted to be secured at opposite sides and to the aforesaid flanking flanges of the battens, and said dished units having portions terminating below the plane of the lateral flanges for engagement with the bottom face of the battens.

1,542,784. REFRACTORY CRUCIBLE. JOHN H. DUPPLER, Weehawken, N. J., assignor to Metal & Thermit Corporation, Chrome, N. J., a Corporation of New Jersey. Filed Apr. 10, 1923. Serial No. 631,158. 9 Claims. (Cl. 262—48.)



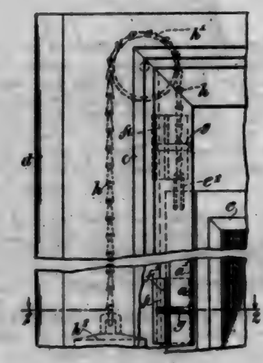
1. A crucible for use with molten metal, including as a component part of the crucible structure a deoxidising or purifying material in the form of a ferro-alloy that will be taken up by the molten metal.

1,542,785. AUTOMOBILE BODY. CHESTER A. FRICK, Muncie, Ind., assignor to Gascock Brothers Manufacturing Company, Muncie, Ind., a Corporation of Indiana. Filed Mar. 22, 1924. Serial No. 700,996. 6 Claims. (Cl. 296—10.)



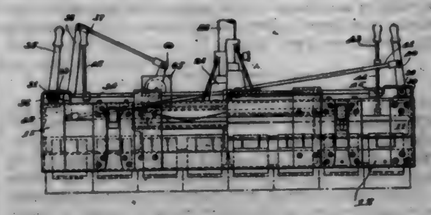
1. An automobile body, including a tonneau having a rear seating compartment, a rear seat arranged in said compartment having a removable seat cushion and removable side panel liners for the interior of said compartment having one face trimmed and the other untrimmed, said liners being so arranged as to be inserted in position to present either the trimmed or untrimmed face to the interior of the car.

1,542,786. METAL WINDOW FRAME. ALEXANDER F. FROMHOLD, New York, N. Y., assignor to S. H. Pomeroy Company, Inc., New York, N. Y., a Corporation of New York. Filed Jan. 2, 1923. Serial No. 610,101. 3 Claims. (Cl. 189—75.)



1. A metal window jamb having a main jamb member bent inward from its face with a curved portion at its edge, a pulley-stile also bent inward from its face with a curved portion at its edge overlapped by the curved portion of the main jamb member and interlocking therewith and forming a guide groove for the sash, and means to secure the parts together.

1,542,787. VALVE-OPERATING MECHANISM. CLAUD E. FULLER, New York, N. Y. Filed July 31, 1923. Serial No. 654,898. 2 Claims. (Cl. 294—62.)

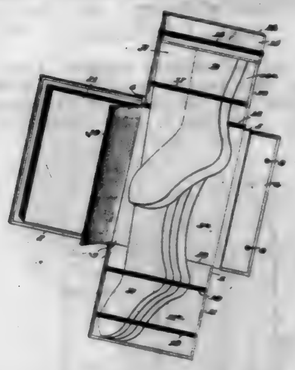


1. An improved valve controlling mechanism comprising a valve, a control lever pivotally mounted thereon, a plurality of shafts arranged in the form of a parallelogram, and means interlinking the said shafts whereby the valve mechanism is controlled from either side of the parallelogram.

1,542,788. SAMPLE CASE CONTAINER, AND DISPLAY STRUCTURE. LASURE L. GOODMAN, Indianapolis, Ind., assignor to Real Silk Hosiery Mills, Indianapolis, Ind., a Corporation of Indiana. Filed Oct. 6, 1923. Serial No. 666,947. 7 Claims. (Cl. 150—24.)

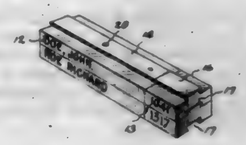
1. A sample-case including an article-carrying main section, upper and lower article-carrying sections there-

on, a second main section on one side of the first main section, article-holding leaves clamped between said



main sections, a flap on the other side of the first-named section, and means for detachably securing the flap to the second main section.

1,542,789. INTERCHANGEABLE DIRECTORY STRIP. GEORGE MACKINTOSH, Oceanside, N. Y. Filed Apr. 7, 1925. Serial No. 21,357. 7 Claims. (Cl. 40—64.)



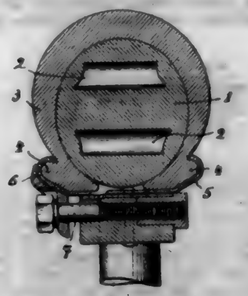
1. In a building directory consisting of a stack of indicia bearing strips, a longitudinal sliding connection between the meeting faces of the strips for holding the same against transverse and vertical separation, and gravity actuated locking means for preventing relative sliding movement of the strips in a direction to disconnect the same, said locking means being releasable upon inversion of the stack.

1,542,790. MARINE PAINT. GEORGE W. RELYEA, Charleston, S. C. Filed Nov. 25, 1924. Serial No. 752,122. 1 Claim. (Cl. 134—40.)

The composition of marine paint comprising 7½ pounds of red lead, 2 pounds of Paris green, ½ pound of white arsenic mixed with sufficient linseed oil, japan dryer and creosote of pine to provide a gallon of paint.

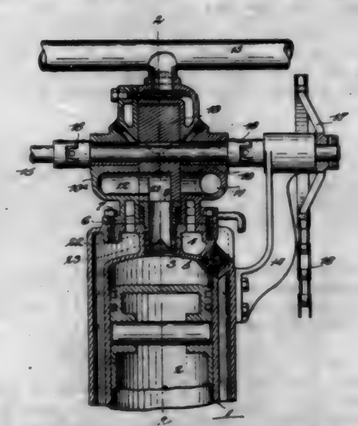
1,542,791. PROCESS FOR MANUFACTURING ELASTIC TIRES WITH RECESSES FILLED WITH AIR UNDER PRESSURE. CHARLES EDMOND VEIL-PICARD, Paris, France. Filed June 22, 1922. Serial No. 570,060. 2 Claims. (Cl. 18—59.)

1. Process of manufacture of a pneumatic tire comprising an india-rubber ring in the body of which are provided recesses arranged at right angle to the middle plane of this ring and tightly closed by means of india-rubber caps, the whole being enclosed within a casing or cover, this process comprising, before the setting of the caps upon the recesses, the provision in the surface of the ring formed of pure india-rubber, of a series of grooves adapted to cause the recesses to communicate the one with the other when they are covered by the caps, the introduction of air under pressure into the recesses through the medium of a needle introduced into a single of these recesses, and the vulcanization of the



ring thus inflated, this vulcanization having for effect to fill the said grooves so as to insulate the one from the other, the recesses filled with air under pressure.

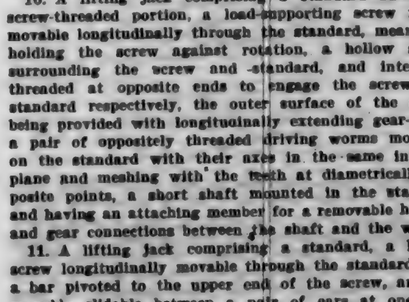
1,542,792. VALVE MECHANISM FOR INTERNAL-COMBUSTION ENGINES. AUGUST WILLENBOCK, Richmond Hill, N. Y., assignor of one-half to Frederick C. Hayes, Battle Creek, Mich. Filed Sept. 27, 1920. Serial No. 412,942. 2 Claims. (Cl. 123—190.)



1. In combination with the rotatable valve disk of an internal combustion engine, of a bearing therefor, a member having a seat for said disk, means for normally holding said member seated against the periphery of said valve disk, a well disposed below said seat, an inlet pipe leading to said well for supplying oil thereto, openings communicating with said well and said seat, a groove formed in the periphery of said valve disk for register with the openings in said member whereby to distribute oil about said bearing upon rotation of the valve disk, and an outlet pipe leading from said well for carrying off oil from said well when the same reaches a predetermined level.

1,542,793. OIL BURNER. ARTHUR E. BORNEMEIER, Lincoln, and MARTIN T. BORNEMEIER, Murdock, Nebr. Filed Dec. 29, 1924. Serial No. 758,655. 4 Claims. (Cl. 158—53.)

4. In an oil burner, an elongated vertically positioned cylinder for conducting a current of air upwardly, a second cylinder surrounding and spaced from first cylinder, the space between said two cylinders being adapted to conduct oil vapor upwardly and having an exit at its upper extremity, means for introducing combustible oil into the lower portion of the space between said two cylinders, the upper portion of said first cylinder being screw threaded on its inner surface, a nut engaging the screw threaded portion of said first cylinder, said nut being provided with an



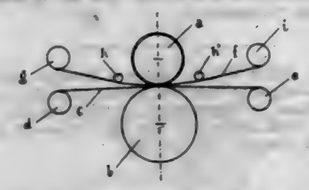
aperture for the exit of air from said first cylinder, said nut being adapted to close the exit to the passage between said two cylinders, and a flame spreader surrounding the nut and the upper portion of said two cylinders, said flame spreader engaging said nut whereby the nut may be rotated, and a plurality of apertured ears extending radially from said flame spreader.

1,542,794. LIFTING JACK. CHARLES DAVIDSON ELLWOOD, Racine, Wis., assignor to Walker Manufacturing Company, Racine, Wis., a Corporation of Wisconsin. Filed Aug. 20, 1924. Serial No. 733,131. 11 Claims. (Cl. 254—102.)

10. A lifting jack comprising a standard having a screw-threaded portion, a load-supporting screw freely movable longitudinally through the standard, means for holding the screw against rotation, a hollow sleeve surrounding the screw and standard, and interiorly threaded at opposite ends to engage the screw and standard respectively, the outer surface of the sleeve being provided with longitudinally extending gear-teeth, a pair of oppositely threaded driving worms mounted on the standard with their axes in the same inclined plane and meshing with the teeth at diametrically opposite points, a short shaft mounted in the standard and having an attaching member for a removable handle, and gear connections between the shaft and the worms.

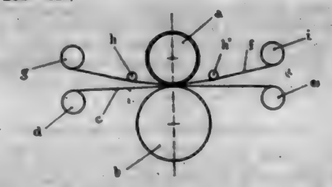
11. A lifting jack comprising a standard, a lifting screw longitudinally movable through the standard, and a bar pivoted to the upper end of the screw, and removably slidable between a pair of ears at one side of the standard, for holding the screw when desired against rotation while allowing it to move vertically.

1,542,795. PROCESS FOR FINISHING TEXTILE MATERIALS. GEORGES GUSTAVE URBAIN MARIE MAIRESSE, Paris, France. Filed Mar. 19, 1924. Serial No. 700,825. 6 Claims. (Cl. 101—32.)



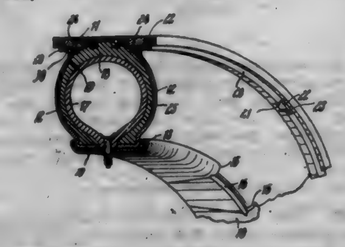
1. Process of finishing textiles, leather and other similar material which consists in passing the material between rollers, said rollers comprising an engraved roller and a smooth-surfaced pressure roller, heating said engraved roller, and interposing between the material to be finished and the engraved roller, a carrier-sheet coated with a thin layer of a fatty body, so that said fatty layer is pressed against the material as it passes between the rollers.

1,542,796. COLOR-PRINTING PROCESS. GEORGES GUSTAVE URBAIN MARIE MAIRESSE, Paris, France. Filed Mar. 19, 1924. Serial No. 700,326. 2 Claims. (Cl. 101—32.)



1. Process for color-printing textiles, which consists in passing the textile between rollers, one of said rollers being engraved and the other smooth-surfaced, heating said engraved roller, interposing between the material and the engraved roller, a carrier-sheet coated on one side with a color-bearing fatty body, melting the colored fatty body at the raised parts of the engraved roller by means of the heat from the roller, and arranging a sheet of loose fabric between the material to be color-printed and the said carrier-sheet coated on one side with a colored fatty body.

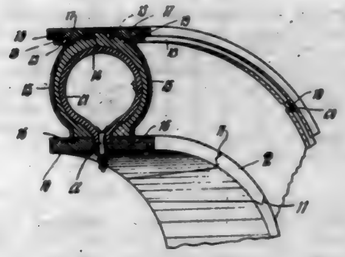
1,542,797. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Feb. 26, 1923. Serial No. 621,425. 8 Claims. (Cl. 18—38.)



2. A mold for use in vulcanizing the outer casings of pneumatic tires under internal pressure having its side wall portions of a single thickness of sheet metal and its tread portion much thicker than the side por-

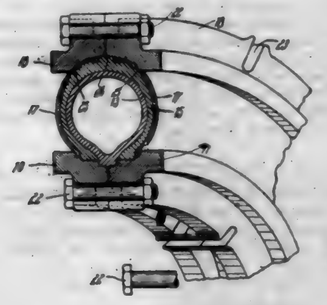
tions to provide recesses for the major molding operations on the tread, means to hold the mold closed at the tread and bead portions and arranged to leave the side portions free to resist only the internal pressure during vulcanization.

1,542,798. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 2, 1923, Serial No. 622,264. Renewed Apr. 27, 1925. 3 Claims. (Cl. 18—38.)



2. A mold for the vulcanization of tire casings comprising a split base ring having circumferential grooves therein, a wedge joining the ends of such ring, a tread ring, a pair of pressed steel side plates fitting into the grooves, and means for holding the side plates in position relative to the tread ring.

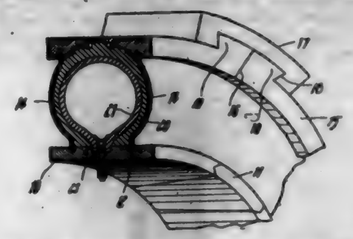
1,542,799. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 3, 1923. Serial No. 622,491. 8 Claims. (Cl. 18—42.)



2. A tire mold comprising a circumferentially split tread ring forming the outer periphery of the assembled mold, a circumferentially split base ring forming the inner periphery of the assembled mold, side plates bridging the gap between the tread and base rings, and means for holding the several parts in assembled relation.

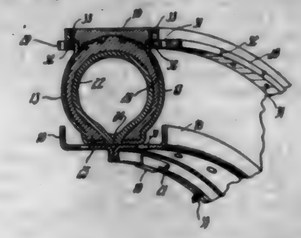
1,542,800. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 5, 1923, Serial No. 622,764. Renewed Apr. 27, 1925. 3 Claims. (Cl. 18—38.)

1. A mold adapted for vulcanizing tire casings, comprising a transversely split base ring, a pair of side plates adapted to interfit with the base ring, means for holding the base ring in expanded position, a transversely split tread ring adapted to interfit with the



side plates, and means for holding the tread ring together to form a complete annulus and to retain the other parts in assembled relation.

1,542,801. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1923. Serial No. 625,728. 15 Claims. (Cl. 18—42.)



4. A mold adapted for vulcanizing tire casings comprising a tread ring, sheet metal side plates separable therefrom, and members adapted to hold the side plates firmly against the tread ring when a stack of molds is compressed in a heater.

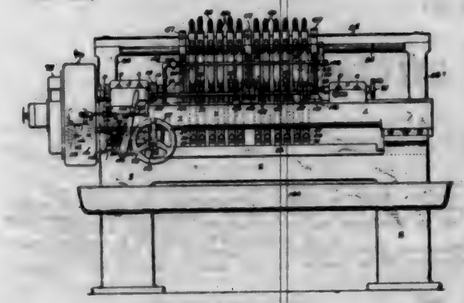
14. A mold adapted for use in the vulcanization of tire casings, having side plates of substantially uniform thickthickness, curved to the shape of the tire, and carrying permanently attached thereto members adapted to contact one with another and support the molds when stacked one over another.

1,542,802. TIRE MOLD. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Nov. 8, 1924. Serial No. 747,424. 3 Claims. (Cl. 18—42.)



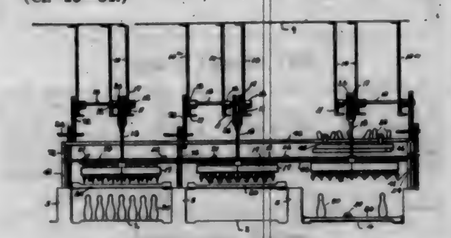
1. A tire mold comprising a pair of side plates each formed of a single metal sheet curved to conform to the shape of the tire, a ring fixed to each of said plates near its outer periphery and bent parallel to the plane of the mold to present a lateral thrust-receiving flange, and bead rings adapted to grasp the bead portion of the tire to be vulcanized, the side plates overlying the sides of the bead rings to present additional lateral thrust-receiving surfaces and having re-entrant bends adapted to fit around the outer circumferences of the bead rings.

1,542,803. LATHE. CHARLES GORDON, Milwaukee, Wis., and ALFRED W. REDLIN, Saginaw, Mich., assignors, by mesne assignments, to The Gordon Form Lathe Company, Cleveland, Ohio, a Corporation of Ohio. Filed July 19, 1920. Serial No. 397,239. 42 Claims. (Cl. 82—10.)



1. In a lathe the combination of a work holder, a tool carrier movable transversely to the axial line of the work holder, a tool mounted and angularly movable on the carrier, automatic means for moving the carrier towards and from the work, and means for varying the angular relation of the tool to the carrier and work to maintain proper cutting and clearance angles of the tool to work of non-circular contour synchronously with the rotation of the work.

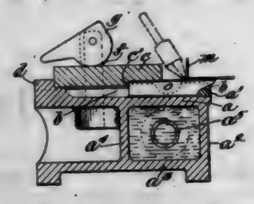
1,542,804. BOWLING-ALLEY SYSTEM. WALTER H. GRAY, Davenport, Iowa. Filed Aug. 12, 1921, Serial No. 491,680. Renewed Nov. 5, 1924. 10 Claims. (Cl. 46—54.)



1. In a device of the class described, the combination with a series of alleys and partitions at the rear ends thereof, pin-setting frames supported so as to be vertically movable over the rear ends of said alleys; pin retaining means carried by said frames, adapted to hold a set of pins in position for being set in their proper places on the alley; means for releasing said pins upon the pin-setting frame approaching to within a desired distance from the floor; and a pin delivering mechanism, movable transversely of the alleys, and capable of delivering a set of pins to one or other of the pin-setting frames, at will.

1,542,805. ART OF ASSEMBLING TUBE FRAMES FOR LOOMS. EDGAR F. HATHAWAY, Wellesley, Mass., assignor to Shawmut Engineering Company, Boston, Mass., a Corporation of Massachusetts. Filed Mar. 18, 1922. Serial No. 544,896. 7 Claims. (Cl. 113—99.)

1. The improvement in the art of assembling tube frames which consists in locating the individual tuft tubes in parallelism transversely of a longitudinal metallic holding strip by the aid of a spacing member, soldering the tubes to said strip and simultaneously cool-



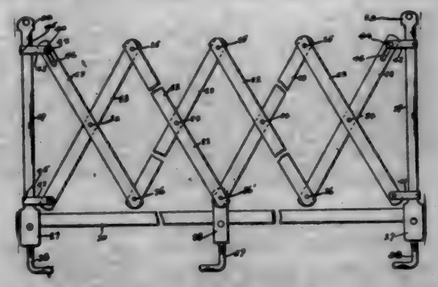
ing the spacing member to prevent the applied heat of soldering from expanding the spacing member in order to maintain the tubes in a uniform spaced relation during the assembling operation, substantially as described.

1,542,806. TRANSMISSION. ADAM ZISKA, Jr., Milwaukee, Wis., assignor to Harley-Davidson Motor Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed Aug. 18, 1919. Serial No. 318,373. 8 Claims. (Cl. 64—103.)



1. A transmission shaft housing comprising telescopically disposed tubular members, a nut threaded on the periphery of one member, a shoulder formed on the periphery of another of the members, and a compression spring interposed between the nut and the shoulder.

1,542,807. LUGGAGE CARRIER. EWALD F. PAWSAT, Sheboygan, Wis., assignor to Wald Manufacturing Company, Sheboygan, Wis. Filed July 8, 1922. Serial No. 573,668. 7 Claims. (Cl. 224—29.)



7. A luggage carrier end structure including an upright comprising an elongated strip of metal with the margins of the intermediate portions bent inwardly and brought together in tubular form, an integral foot at the lower extremity of said upright and disposed at right angles thereto.

Patents Nos. 1,542,808 to 1,543,057.

THE OFFICIAL GAZETTE

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CIRCULARS OF GENERAL INFORMATION concerning PATENTS or concerning TRADE-MARKS, PRINTS, and LABELS will be sent without cost on request to the Commissioner of Patents, Washington, D. C.

CONTENTS.

	Page.
Issue of June 23, 1925	829
Interference Notices	829
Applications Under Examination	830
Commissioner's Decisions—	
H. D. Lee Flour Mills Company v. The R. D. Johnson Milling Company of Allegany County	831
Ames Shovel & Tool Company v. Baldwin Tool Works	831
Adjudicated Patents	833
Patent Suits	833
Adverse Decisions in Interference	834
Trade-Marks Canceled	834
Disclaimer	834
Disposition of Patent Office Models	835
Trade-Marks Published (296 Applications)	876
Trade-Mark Registrations Granted	888
Trade-Mark Registrations Renewed	889
Labels	889
Prints	891
Reissues	892
Designs	901
Patents Granted	

Issue of June 23, 1925.

Trade-Marks	296—No.	199,834 to No.	200,130, inclusive.
T. M. Renewals	16		
Labels	12—No.	28,848 to No.	28,860, inclusive.
Prints	21—No.	5,004 to No.	5,024, inclusive.
Reissues	2—No	16,100 to No.	16,101, inclusive.
Designs	41—No.	67,649 to No.	67,689, inclusive.
Patents	850—No.	1,542,808 to No.	1,543,657, inclusive
Total	1290		

Interference Notices.

U. S. Patent Office, *Washington, May 26, 1925.*

Ramco Manufacturing Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Ram Metal Products Co., Inc., 1848 Webster Avenue, New York, N. Y., for registration of a trade-mark and trade-marks registered November 24, 1914, Nos. 101,324, 101,325, and 101,326, to the Ramco Manufacturing Company, 332 State Street, Schenectady, N. Y., and a notice of such declaration sent by registered mail to said Ramco Manufacturing Company at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Ramco Manufacturing Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, May 26, 1925.*

Steinberger & Kalisher, their assigns or legal representatives, take notice:

An interference having been declared by this Office between the applications of Steinberger Bros. Lobl Co. Inc., 295 Fifth Avenue, New York, N. Y., for registration of trade-marks and trade-mark registered May 14, 1907, No. 62,598, to Steinberger & Kalisher, 2001 Lyon Street, San Francisco, Calif., and a notice of such declaration sent by registered mail to said Steinberger & Kalisher at the said address having been returned by the post office undeliverable, notice is hereby given that unless said Steinberger & Kalisher, their assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. Patent Office, *Washington, June 10, 1925.*

Phoenix Plumbago Mining Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stuart Products Co., Inc., 100 Hudson Street, New York, N. Y., and 93 Sherman Avenue, Jersey City, N. J., for registration of a trade-mark and trade-mark registered August 29, 1905, No. 45,930, to Phoenix Plumbago Mining Company, 1712 North Ninth Street, Philadelphia, Pa., and a notice of such declaration sent by registered mail to said Phoenix Plumbago Mining Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Phoenix Plumbago Mining Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, June 10, 1925.*

The heirs, assigns, or legal representatives of Mark Tempest, take notice:

An interference has been declared by this Office between the application of Lillian J. Thompson, 1347 Washington Avenue, Tyrone, Pa., for registration of a trade-mark and trade-mark registered July 20, 1897, No. 30,414, to Mark Tempest, Olneyville, R. I. It prima facie appearing that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of said Mark Tempest that unless they shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. Patent Office, *Washington, June 10, 1925.*

Jacob Beck & Son, Ltd., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Reid, Murdoch & Co., 314 North Clark Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 30, 1903, No. 40,687, to Jacob Beck & Son, Ltd., 245–249 Congress Street west, Detroit, Mich., and a notice of such declaration sent by registered mail to said Jacob Beck & Son, Ltd., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jacob Beck & Son, Ltd., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the Official Gazette for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business June 12, 1925.

Room No.	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,703; Trade-Mark Division, 2,066. Oldest new case, Dec. 12, 1924; oldest amended, Dec. 23, 1924. The dates given are 1925 except where † indicates 1924.) Divisions, Examiners, and Subjects of Inventions.	Oldest new applications and oldest action by applicant awaiting office action. New.	Amended.	No. of applications awaiting action
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry Plows; Planting; Scattering Unloaders.	Mar. 14	Mar. 21	806
126	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco	Feb. 25	Feb. 28	466
331	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Apr. 23	May 2	315
234	4. MERRITT, A. D., Conveyers, Chutes, Skids, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 10	Mar. 6	602
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 17	Jan. 22	964
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 6	Jan. 24	863
312	7. JARBOE, C. G., Amusement and Exercising Devices; Toys; Optics; Photography	Feb. 16	Feb. 16	931
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture	Feb. 25	Feb. 28	1,299
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Feb. 19	Mar. 13	623
118	10. HUNTER, O. F. (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 7	Feb. 13	963
148*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Driven, Headed, and Screw-Threaded Fastenings.	Mar. 16	Mar. 21	750
380	12. PIERCE, P. P., Machine Elements	Feb. 13	Feb. 12	666
164*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 7	Feb. 11	1,148
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 23	Apr. 17	314
229	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics	Feb. 14	Feb. 24	925
240*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony	Jan. 17	Feb. 2	878
307	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 5	Apr. 3	351
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices	Jan. 13	Jan. 13	802
236	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 24	Mar. 25	600
179	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking	Feb. 14	Feb. 18	759
213	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing	Jan. 13	Mar. 28	490
102	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Mar. 25	Apr. 9	388
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Jan. 24	Feb. 2	416
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines	Mar. 12	Mar. 25	446
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Apr. 13	Apr. 13	684
238*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants	†Dec. 13	†Dec. 31	732
214	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus	Mar. 13	Mar. 17	645
225	28. BENSON, A. R., Internal-Combustion Engines	Apr. 24	Apr. 24	709
140*	29. MORRIS, B. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	†Dec. 31	Jan. 10	1,084
248	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 6	Mar. 20	926
314	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 2	Apr. 1	783
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange	Feb. 20	Feb. 24	656
153	33. WYMAN, W. I., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 13	Apr. 13	658
204	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Feb. 19	Feb. 17	582
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Feb. 14	Apr. 1	690
105	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring	Feb. 27	Feb. 3	1,350
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers	Jan. 5	Jan. 12	1,309
145	38. IDE, G. R., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 19	†Dec. 22	924
220	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution	Mar. 5	Feb. 13	638
269	40. OBERLIN, J. J., Baggage; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 20	Jan. 20	1,569
135	41. BROWN, J. I., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes	Mar. 7	Feb. 12	590
222*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling	Jan. 15	Jan. 19	1,043
124*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Jan. 12	Jan. 29	980
258	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 6	Feb. 9	775
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides	Feb. 9	Feb. 10	773
233	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 19	Jan. 19	654
264	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 11	Feb. 17	1,220
213*	48. ROEPKE, O. B., Electricity, Conductors; Electricity, General Applications	†Dec. 17	†Dec. 22	1,720
230	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 14	Feb. 21	694
222	50. BLAKE, C. L., Plastic and Liquid Coating Compositions; Coating; Laminated Fabrics	Jan. 13	Jan. 16	1,273
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps	Jan. 22	Jan. 22	2,020
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Scaffolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 6	Apr. 11	476
113	53. PECK, M. K., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 13	Feb. 13	985
102	Designs: C. O. MARKHAM (Acting)	May 20	May 29	295
163	Trade-Mares, Labels and Prints: T. L. MEAD, Jr. (Trade-Marks	Apr. 29	May 28	1,856
	Labels and Prints	May 13	May 29	302

* Refers to room numbers in the annex.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Commissioner's Decisions.

H. D. Lee Flour Mills Company v. The R. D. Johnson Milling Company of Allegany County.

No. 913. Decided September 5, 1924.

Trade-Mark—Assignment of Mark Without Transfer of Business.

The naked transfer of a trade-mark without and aside from the business is an abandonment of the mark by the assignor, and no benefit of early use of the mark by the assignor can accrue to the assignee.

Appeal from the Examiner of Interferences.

Trade-Mark for Wheat Flour.

Registration of The R. D. Johnson Milling Company of Allegany County, No. 164,083, dated February 13, 1923.

Mr. Andrew B. Remick for H. D. Lee Flour Mills Co.

Mr. B. P. Fishburne for The R. D. Johnson Milling Co.

Fenning, *Assistant Commissioner:*

The Johnson Milling Company appeals from the action of the Examiner of Interferences canceling its Trade-Mark No. 164,083, issued February 13, 1923. The mark consists of the pictorial representation of an eagle together with "American Eagle" and other insignia. The Johnson Company has proven use of its mark since 1899. The Lee Flour Mills Company has proven use of a similar mark since about 1900. In order to carry its date back of that of the Johnson Company, the Lee Company relies on an assignment executed March 17, 1923, from the Liberty Mills of Texas to the Lee Company of—

the whole and entire right, title and interest in and to the following trade mark, including the goodwill attached thereto: "American Eagle", for wheat flour.

It is admitted that the Liberty Mills began use of the mark prior to 1899, probably 1894. The conditions of transfer are set out in the following testimony of Mr. Gustav Giesecke, president of the Liberty Mills:

XQ. 3. Do you know if the grade of flour which you state you made and sold under the American Eagle brand is identical in quality with that made by the H. D. Lee Flour Mills Co., and sold by them under the same trade mark, American Eagle? A. I do not.

XQ. 4. Have you furnished The H. D. Lee Flour Mills Co. with any formula, grain, directions, or other means whereby their American Eagle brand of flour might be made identical in quality with the American Eagle flour which you state you manufactured? A. I have not.

XQ. 5. Is not the good will of a product dependent upon the quality or character of the product? A. It is.

XQ. 6. Can you state how it was then possible for you to sell to The H. D. Lee Flour Mills Co. the good will of your flour without providing means whereby the quality of the flour would be the same? A. I sold them the trade-mark, and did not sell them the good will of my flour.

XQ. 7. Have you sold to The H. D. Lee Flour Mills Co. in connection with the sale of this trade-mark, any of your machinery or equipment? A. I have not.

XQ. 8. Outside of the trade-mark and its good will, did you sell them any of your business? A. I did not.

XQ. 9. Didn't you understand that you were simply selling the American Eagle trade-mark? A. I sold them the trade-mark and the good will thereto.

XQ. 10. By the word thereto you mean the good will of the trade-mark? A. Certainly.

XQ. 11. When you sold this trade-mark and the good will attached to the trade-mark did you intend to absolutely discontinue its use, and have you done so? A. I did and I have.

XQ. 14. How many other trade-marks were you using along with the American Eagle trade-mark? A. About twenty (20).

XQ. 16. Then shortly before you sold the American Eagle trade-mark in question you were using it and some other 19 trade-marks in the southwest Texas? A. We were.

XQ. 17. Have you noticed any decline in the income from your business since you sold the American Eagle trade-mark? A. We have not.

XQ. 18. Have you furnished The H. D. Lee Flour Mills Co. with a list of any of your old customers? A. We have not.

XQ. 19. Have you placed your corporate name upon the bags of The H. D. Lee Flour Mills Co.? A. Certainly not.

It seems to me clear from this statement that the assignment was in fact nothing more than an agreement on the part of the Liberty Mills not to continue the use of the "American Eagle" mark. No attempt was made to transfer any part of the business. It is well established that the naked transfer of a trade-mark without and aside from the business can not be accomplished. In *Independent Baking Powder Co.* v. *Boorman*, 175 Fed. 448, a somewhat similar condition was considered, and after citing cases and stating the general principle the court found the alleged assignment invalid. In that case, as in this, the assignor was employing several trade-marks, one of which they endeavored to transfer—

but kept their business and continued to manufacture identically the same powder and sell it under the same symbols under which it had previously been sold, save that they did not use the name "Solar,"

which was the subject of the transfer. The court held—

the assignor can not, after the assignment, continue the same identical business at the same places as before, under unassigned trade-marks, and at the same time authorize his assignee to conduct the same business elsewhere under an assigned trade-mark.

The case of *Mayer Fertilizer & Junk Company* v. *Virginia-Carolina Chemical Company*, 156 O. G. 539; 1910 C. D. 399, is a holding of the Court of Appeals of the District of Columbia to substantially the same effect. I must hold, therefore, that the 1923 assignment of the Liberty Mills was an abandonment of the mark by the Liberty Mills, and no benefit of their early use can accrue to the Lee Flour Mills Company. Of those now using the mark, the Johnson Milling Company is the first user, and its mark can not be canceled.

The Examiner of Interferences is reversed.

Ames Shovel & Tool Company v. Baldwin Tool Works.

Decided November 8, 1924.

1. Trade-Marks—Purpose Predominantly Utilitarian.

Where applicant's shovels have metal clips extending part way down the handle grips, and the evidence indicates that his purpose of applying paint in the manner illustrated in the trade-mark drawings was to prevent

the clips from rusting. *Held* that the purpose was predominantly utilitarian, and therefore the mark comes within that class condemned by the Supreme Court in *Columbia Mill Co.* v. *Alcorn*, 150 U. S. 460.

2. SAME—OPPOSITION—MARK WHICH WOULD PROHIBIT ORDINARY MANUFACTURING PRACTICE.

No one may adopt a mark which will exclude the rest of the trade from using the usual ordinary manufacturing practice established in the trade.

APPEAL from Examiner of Interferences.

Messrs. Roberts, Roberts & Cushman for Ames Shovel & Tool Company.

Messrs. Mida & Wallace for Baldwin Tool Works.

FENNING, *Assistant Commissioner:*

Baldwin Tool Works appeals from the action of the Examiner of Interferences sustaining an opposition brought against its application to register a trade-mark for shovels, spades, scoops, posthole diggers, and wooden handles, consisting "of the trade-mark name 'Red Head' used in connection with the color red on the handles of the goods."

The term "head" is generally applied to the top or grip end of the handle. It is clear, therefore, that the words "Red Head" describe a tool in which the head is painted red, as shown in applicant's device.

An effort is made in argument to limit the mark here to the paint carried only part way down the sides of the D handle, as shown in the drawing. It appears clearly from the evidence, however, that applicant has no intention to so limit the use of its mark. It is clear that it has put out goods with color extending to the end of the D handle and with color extending further down the handle, and the officers of applicant insist that such is their mark.

The evidence here clearly shows that it has been customary in the trade for a great many years to paint a part or all of the handles of such devices as are here involved various colors. It appears that opposer and other manufacturers have employed blue, black, brown, gold, red, green, yellow, gray, and possibly other colors. The color is frequently employed to distinguish the shovels of one owner from those of another. Colors frequently are applied at the factory to shovels in accordance with orders received. It has been the custom for years in the trade to paint at least the parts of handles which are made of metal to prevent them from rusting and of course the paint so used is of some color.

It seems clear that registration of the present mark to applicant will prohibit opposer from applying red paint to the grips or handles of shovels. Opposer has done this from time to time for many years past and hopes and proposes to do it in the future, at least in response to orders which it may receive in the ordinary course of business. This shows sufficient probability of damage to opposer to warrant it bringing the present proceeding.

It seems probable from the evidence here that applicant has never actually used the mark as shown in the drawing.

[1] The testimony here clearly indicates that applicant's shovels have metal clips extending part way down the D grip of its handles. The evidence seems to indicate that applicant's purpose of applying paint in the manner illustrated in the trade-mark drawing was to prevent the metal clips from rusting. The purpose of so applying paint was predominantly and primarily utilitarian. The mark therefore comes within that class condemned by the Supreme Court in *Columbia Mill Co.* v. *Alcorn*, 65 O. G. 1916; 1893 C. D. 672; 150 U. S. 460:

> It must be designed, as its primary object and purpose, to indicate the owner or producer of the commodity, and to distinguish it from like articles manufactured by others. * * * if the device, mark, or symbol was adopted or placed upon the article for the purpose of identifying its class, grade, style, or quality, or for any purpose other than a reference to or indication of its ownership, it cannot be sustained as a valid trade mark.

As was pointed out in *Diamond Match Co.* v. *Saginaw Match Co.*, 142 Fed. 727, the distinguishing colors are limited in number and it would be very easy for a small number of persons to adopt all colors and so shut the rest of the world out from manufacturing the goods at all.

The rope cases referred to by applicant stand on their own bottom, since of necessity the marking of ropes and cables is so difficult to accomplish that the practical trade has established a color practice which is favorably looked upon by the courts.

[2] No one may adopt a trade-mark which will exclude the rest of the trade from using the usual ordinary manufacturing practice established in the trade.

The Examiner of Interferences is affirmed.

ADJUDICATED PATENTS.

(D. C. N. Y.) The Wagner and Malocsay patent, No. 920,698, for cigar-banding machine, claims 22, 86, 87, 88, 96 and 97 *Held* not infringed. *International Banding Machine Co.* v. *American Bander Co.*, 4 F. (2d) 726.

(C. C. A. Tex.) The Rynearson patent, No. 1,002,400, for locked meter boxes, *Held* infringed by one device and not by another. *Gerrity* v. *Dallas Foundry*, 4 F. (2d) 655.

(C. C. A. Del.) The Werner patent, No. 1,161,094, for cash register, claims 21 and 22 *Held* invalid. *National Cash Register Co.* v. *Remington Arms Co.*, 4 F. (2d) 700.

(D. C. N. Y.) The Malocsay patent, No. 1,261,832, for cigar-banding machine, claim 5 *Held* invalid, claim 6 *Held* not infringed. *International Banding Machine Co.* v. *American Bander Co.*, 4 F. (2d) 726.

(C. C. A. Del.) The Fuller patent, No. 1,394,256, for cash register, claims 87–94 *Held* not infringed. *National Cash Register Co.* v. *Remington Arms Co.*, 4 F. (2d) 700.

(D. C. N. Y.) The Malocsay patent, No. 1,403,046, for box-supporting shelf, claim 3 *Held* not infringed. *International Banding Machine Co.* v. *American Bander Co.*, 4 F. (2d) 728.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

1,007,642, 1,056,262, 1,056,263, J. C. Chisholm, Process of refining crude cottonseed oil; 1,169,154, 1,169,155, G. M. Holbrook, Method of refining oil, suit filed Mar. 6, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4687, *The Chisholm Process Oil Refining Co.* v. *American Food Products Co.*

1,018,502, Just & Hanaman, Incandescent body for electric lamps; 1,180,159, I. Langmuir, Incandescent electric lamp; 1,423,956, Mitchell & White, Tipless incandescent lamp and similar article; 1,423,957, same, Stem-making machine, suit filed Mar. 25, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4722, *General Electric Co.* v. *Anchor Electric Co. et al.*

1,046,752, O. C. Fenlason, Anvil for stapling machines, suit filed Sept. 16, 1924, D. C., W. D. Wash., (S. Div.), Doc. E 232, *J. C. Fenlason* v. *Mackall-Paine Veneer Co.*

1,050,441, R. A. Fessenden, Electric signaling apparatus; 1,050,728, same, Method of signaling; 1,113,149, E. H. Armstrong, Wireless receiving system, suit filed Mar. 31, 1925, D. C., S. D. N. Y., Doc. E 31/321, *Westinghouse Electric & Mfg. Co. et al.* v. *Experimentors Bureau, Inc., et al.*

1,050,728. (See 1,050,441.)

1,056,262. (See 1,007,642.)

1,056,263. (See 1,007,642.)

1,062,717, 1,088,078, M. E. Layne, Well screen; 1,062,718, same, Method of forming concrete foundations and the like, suit filed Mar. 25, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4723, *M. E. Layne et al.* v. *H. B. A. Sickel et al.*

1,062,718. (See 1,062,717.)

1,070,603, F. N. Bierce, Guy anchor, suit filed Mar. 3, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4679, *F. N. Bierce et al.* v. *Joslyn Mfg. & Supply Co.*

1,082,331, Hopkins & Fellows, Automatic feeding and cutting mechanism for plastic material; 1,082,463, same, Wrapping machine, suit filed Apr. 1, 1925, D. C. Mass., Doc. E 2154, *Ideal Wrapping Machine Co.* v. *The George Close Co.*

1,082,463. (See 1,082,331.)

1,088,078. (See 1,062,717.)

1,088,926, Radlein & Murphy, Chemical heater, suit filed Apr. 2, 1925, D. C., N. D. N. Y., Doc. 602, *Everhot Chemical Corp.* v. *Constant Heat Pack Corp. et al.*

1,105,974, 1,191,306, T. A. Hoover, Bumper for vehicles; 1,212,059, 1,221,800, same, Automobile bumper; 1,202,690, 1,205,608, 1,266,240, R. B. Fageol, same; 1,175,348, same, Adjustable bumper bar for vehicles; 1,207,007, same, Support for bumper bars, suit (to cancel license agreement) filed Mar. 28, 1925, D. C., W. D. Mich. (S. Div.), Doc. 2031, *American Chain Co., Inc.*, v. *New Era Spring & Specialty Co.*

1,113,149. (See 1,050,441.)

1,169,154. (See 1,007,642.)

1,169,155. (See 1,007,642.)

1,173,079, E. F. W. Alexanderson, Selective tuning system, suit filed Mar. 31, 1925, D. C., S. D. N. Y., Doc. E 31/322, *Radio Corp. of America et al.* v. *E. J. Edmond & Co., Inc.*

1,175,348. (See 1,105,974.)

1,180,159. (See 1,018,502.)

1,191,306. (See 1,105,974.)

1,202,690. (See 1,105,974.)

1,205,608. (See 1,105,974.)

1,207,007. (See 1,105,974.)

1,212,059. (See 1,105,974.)

1,220,416, J. J. Gray, jr., Process of making ferrophosphorus, suit filed July 10, 1924, D. C., M. D. Tenn., *J. J. Gray, jr.*, v. *J. Warner et al.*

1,221,800. (See 1,105,974.)

1,263,734, I. O. Bauer, Upholstery binding, suit filed Mar. 27, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4724, *I. O. Bauer* (*Bauer Bros. Mfg. Co.*) v. *Woodward & Coachey Mfg. Co.*

1,266,240. (See 1,105,974.)

1,282,439, I. Langmuir, System for amplifying variable currents, suit filed Mar. 31, 1925, D. C., S. D. N. Y., Doc. E 31/323, *Radio Corp. of America et al.* v. *E. J. Edmond & Co., Inc.*

1,302,760, A. E. Block, Foot supporter, appeal filed Apr. 2, 1925, C. C. A. (2d Cir.), Doc. 8725, *A. E. Block* v. *Nathan Anklet Support Co., Inc.*

1,332,798, L. Block, Combined waste and overflow, suit filed Mar. 31, 1925, D. C., N. D. Ohio (E. Div.), Doc. 1406, *L. Block et al* v. *The Yeiser Co.*

1,341,327, Kettering & Chryst, System of electrical generation; 1,380,975, same, Power plant; 1,380,974, C. F. Kettering, Internal-combustion engine; 1,430,524, same, Engine, final consent decree for plaintiff for an injunction as to Patent 1,380,974, bill dismissed without prejudice as to Patents 1,341,327, 1,380,975, and 1,430,524, Mar. 27, 1925, D. C. Mass., Doc. E 1790, *Delco Light Co.* v. *H. C. Dodge, Inc.*

1,380,974. (See 1,341,327.)

1,380,975. (See 1,341,327.)

1,385,141, 1,393,306, P. A. Myers, Power head; 1,385,143, same, Pumping apparatus, suit filed Mar. 30, 1925, D. C., S. D. Ohio (E. Div.), Doc. 353, *The F. E. Myers & Bros. Co.* v. *The American Well Works et al.*

1,385,143. (See 1,385,141.)

1,393,306. (See 1,385,141.)

1,404,369, F. C. Chapman, Dehydrator, suit filed Mar. 27, 1925, D. C., N. D. Calif., Doc. E 1448, *F. C. Chapman* v. *C. E. Jackson et al.*

1,423,950. (See 1,018,502.)

1,423,957. (See 1,018,502.)

1,430,524. (See 1,341,327.)

1,436,677. (See 1,527,270.)

1,445,754, H. J. Casey, Road tractor, final decree Feb. 16, 1925, holding patent valid and infringed by defendants, particularly as to claims 1 and 3,

permanent injunction, D. C., S. D. Calif., Doc. E G-117-T, *H. J. Casey et al.* v. *Bennett & Bennett (The Utility Trailer Mfg. Co.) et al.*

1,487,359. (See 1,527,270.)

1,489,442, J. W. Kauffmann, Process of making duplicate packages of hops, suit filed Mar. 7, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4688, *J. W. Kauffmann* v. *Guhr & Barnes (Universal Products Co.)*.

1,517,662, R. W. Wilson, Toilet box, suit filed Mar. 28, 1925, D. C., S. D. N. Y., Doc. E 31/317, *T. W. Foster & Bro. Co. et al.* v. *Conde, Ltd.*

1,518,652, F. D. Gould, Auto top, suit filed Mar. 14, 1925, D. C., N. D. Calif., Doc. E 1442, *F. D. Gould Co.* v. *E. C. Anthony, Inc.*

1,527,269. (See 1,527,270.)

1,527,270, J. Peterson, Branding iron; 1,527,269, same, Blowtorch; 1,487,359, same, Torch; 1,436,677, same, Soldering iron, suit filed Mar. 31, 1925, D. C., N. D. Ill. (E. Div.), Doc. 4725, *Combination Blow Torch Mfg. Co.* v. *Everhot Mfg. Co.*

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,336,261, L. L. Scott, Combustion apparatus, decided May 8, 1925, claims 1, 3, 4, and 10.

Pat. 1,372,613, N. F. Egler, Furnace, decided May 4, 1925, claims 1 and 2.

Pat. 1,383,677, G. Thompson, Telephone-exchange system, decided May 8, 1925, claims 1 and 2.

Pat. 1,412,327, H. A. F. Abt, Bascule bridge, decided May 7, 1925, claim 2.

Pat. 1,501,560, Kean and Wilson, Umbrella, decided May 6, 1925, claims 1, 2, 3, 4, 5, 7, 9, 10, and 15.

Pat. 1,526,008, C. T. Olson, Ball bearing, decided May 6, 1925, claim 1.

TRADE-MARKS CANCELED.

34,864. Certain named food preparations. Merrell-Soule Company, Syracuse, N. Y. Registered July 10, 1900. Canceled May 14, 1925.

135,001. Paper or pulp towels. The Lily Cup Company Incorporated, New York, N. Y. Registered September 21, 1920. Canceled May 14, 1925.

150,333. Dyeing, coloring, and tinting compositions. Robert P. Dicks, New York, N. Y. Registered January 3, 1922. Canceled May 14, 1925.

156,764. Coffee. St. Louis Coffee & Spice Mills, St. Louis, Mo. Registered July 11, 1922. Canceled May 14, 1925.

166,486. Roof paint. Kling-Tite Products Co., Chicago, Ill. Registered April 3, 1923. Canceled May 14, 1925.

180,483. Threads. Manufacturers Supplies Company, St. Louis, Mo. Registered February 26, 1924. Canceled May 14, 1925.

185,951. (International.) Pianos and piano players. John L. Stowers, Calle de General Carrillo 29, Habana, Cuba. Registered June 24, 1924. Canceled April 8, 1925. (International registration No. 999, May 1, 1924.)

194,242. Rolled iron and steel. McCleane Brown, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Registered January 20, 1925. Canceled May 14, 1925.

194,243. Rolled iron and steel. McCleane Brown, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Registered January 20, 1925. Canceled May 14, 1925.

194,244. Rolled iron and steel. McCleane Brown, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Registered January 20, 1925. Canceled May 14, 1925.

194,245. Rolled iron and steel. McCleane Brown, doing business as Pittsburgh Steel Supply Company, Pittsburgh, Pa. Registered January 20, 1925. Canceled May 14, 1925.

Disclaimer.

1,516,807.—*Clarence D. Tuska* and *Percival H. Spencer*, Hartford, Conn. PANTOGRAPH ENGRAVING TOOLS. Patent dated November 25, 1924. Disclaimer filed May 28, 1925, by the assignee, *The C. D. Tuska Company.*

Hereby enters this disclaimer to any interpretation of claims 5, 7, and 8 of said Letters Patent in which the phrase, in each of said claims, "a rotating tool carried in said guiding arm arranged for a floating vertical movement" does not mean that said rotating tool is capable of a floating vertical movement in said guiding arm and relative thereto.

Disposition of Patent Office Models.

The act of Congress, approved February 13, 1925, provides a commission "to select such of the Patent Office models and exhibition exhibits as may be deemed to be of value and of historical interest * * * and cause the remainder of the said models and exhibits to be disposed of by public auction, gift to Federal, State, or private museums or institutions, or returned without expense to the Government to the original depositors or their representatives, where demanded in writing by them." * * *

The commission hereby gives notice to all Federal, State, or private museums or institutions, and to all other parties entitled to receive any of the models or exhibits under said act of Congress, that claim thereto must be made in writing to the commission on or before July 15, 1925; otherwise the models may be sold or destroyed, as authorized by the act.

Claims should be addressed to the Patent Office, Washington, D. C.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 23, 1925.

[VOL. 335. No. 4.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 160,135. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) IMPERVIOUS FABRICS COMPANY, INC., Mount Vernon, N. Y. Filed Mar. 3, 1922.

Waterwitch

Particular description of goods.—Waterproofed Woven, Knitted, and Felted Fabrics of Every Description.
Claims use since Aug. 1, 1919.

Ser. No. 161,574. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES L. MCANLIS, Cleveland, Ohio. Filed Mar. 31, 1922.

BEAUTEX

Particular description of goods.—Liquid Shampoo, Hair Tonic, Vanishing Cream, Cold Cream, and Face Powder in Cream Form.
Claims use since on or about Jan. 5, 1921.

Ser. No. 164,513. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) GREAT STUFF PRODUCTS COMPANY, Minneapolis, Minn. Filed May 25, 1922.

Great Stuff

Particular description of goods.—Soap.
Claims use since Sept. 1, 1920.

Ser. No. 165,082. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) IMPERVIOUS FABRICS COMPANY, INC., Mount Vernon, N. Y. Filed June 6, 1922.

Waterseal

Particular description of goods.—Waterproofed Woven, Knitted, and Felted Fabrics of Every Description.
Claims use since Aug. 1, 1919.

Ser. No. 167,395. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed July 26, 1922.



Particular description of goods.—Gasoline, Kerosene, Petroleum, Distillates, Fuel Oils, Lubricating Oils and Greases.
Claims use since Sept. 30, 1920.

Ser. No. 169,131. (CLASS 15. OILS AND GREASES.) HERCULES GASOLINE CO., Los Angeles, Calif. Filed Sept. 6, 1922.

HERCO

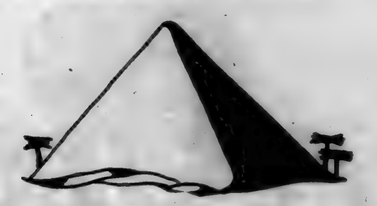
Particular description of goods.—Gasoline, Kerosene, Petroleum, Distillates, Fuel Oils, Lubricating Oils and Greases.
Claims use since Apr. 19, 1922.

Ser. No. 172,865. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAUD REYNOLDS WALTERS, doing business as Reynolds Cosmetic & Hair Store, St. Paul, Minn. Filed Nov. 20, 1922.



Particular description of goods.—Face Lotion, Massage Cream, Bleaching Lotion, Antiseptic Oil, Astringent Lotion, Lavender Lotion, and Hair Scalp Lotion.
Claims use since May 15, 1922.

Ser. No. 176,610. (CLASS 12. CONSTRUCTION MATERIALS.) EQUITY CONSTRUCTION COMPANY, New York, N. Y. Filed Feb. 26, 1923.



EQUITY

Particular description of goods.—Sand and Gravel.
Claims use since May 1, 1922.

Ser. No. 176,683. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) MAGONY & BUSCHER, New York, N. Y. Filed Feb. 27, 1923.

BESTONE

Particular description of goods.—Banjo Resonator Attachments.
Claims use since Aug. 15, 1922.

Ser. No. 177,921. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NATIONAL DAIRY CO., Toledo, Ohio. Filed Mar. 23, 1923.

GOLD RIBBON

Particular description of goods.—Skim Milk Concentrated with Cream Added.
Claims use since Mar. 19, 1923.

Ser. No. 180,720. (CLASS 12. CONSTRUCTION MATERIALS.) MARIO PALANTI, Buenos Aires, Argentina. Filed May 16, 1923.



The words "American Building, Universal Economical Construction" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Blocks for the Construction of Houses, Bricks, Roof Tiles, Floor Tiles, and Mosaic Blocks.
Claims use since Apr. 9, 1923.

Ser. No. 185,506. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HOWARD W. SLATER, doing business as Westchester Farm Products Company, Mamaroneck, N. Y. Filed Sept. 7, 1923.



No claim is herein made to the word "Perkins" apart from the mark shown.
Particular description of goods.—Butter.
Claims use since July 1, 1923.

Ser. No. 185,552. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) AULD'S INC., Columbus, Ohio. Filed Sept. 10, 1923.



No claim is made herein to the name "Auld's Inc." apart from the mark shown in the drawing. The lining indicates shading only.
Particular description of goods.—College, High-School, Class and Fraternal Emblems, Badges, and Finger Rings, Bar Pins, Chains, Lapel Buttons, and Other Jewelry for Personal Wear, Not Including Watches. The Emblems, Badges, and Lapel Buttons Are Made of or Plated with Precious Metal.
Claims use since Aug. 1, 1923.

Ser. No. 188,932. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) REX PRODUCTS & MFG. COMPANY, Detroit, Mich. Filed Nov. 26, 1923.



Particular description of goods.—Water-Softening Powders of Trisodium-Phosphate Base.
Claims use since January, 1920.

Ser. No. 191,152. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WESTERN GROCER COMPANY, Marshalltown, Iowa. Filed Jan. 22, 1924.

JackSprat

Particular description of goods.—Cheese, Creamery Butter, Oleomargarine, Dry Lima Beans, Dry Little Wonder Beans, and Dry Navy Beans.
Claims use since Oct. 20, 1923.

Ser. No. 191,634. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYON & HEALY, INC., Chicago, Ill. Filed Feb. 1, 1924.

Lite-Wate,Jr.

No claim is made herein to the words "Light Weight."
Particular description of goods.—Drum Outfit Consisting of Bass Drum, Snare Drum, Cymbals, and Drumsticks.
Claims use since March, 1922.

Ser. No. 191,635. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) LYON & HEALY, INC., Chicago, Ill. Filed Feb. 1, 1924.

Lite-Wate,Sr.

No claim is made to the words "Light Weight."
Particular description of goods.—Drum Outfit Consisting of Bass Drum, Snare Drum, Cymbals, Drumsticks, and Cowbells.
Claims use since March, 1922.

Ser. No. 192,455. (CLASS 15. OILS AND GREASES.) THE UNITED STATES GRAPHITE CO., Saginaw, Mich. Filed Feb. 16, 1924.



Particular description of goods.—Graphite Boiler-Scale Preventive in the Nature of a Lubricant.
Claims use since Feb. 1, 1924.

Ser. No. 192,699. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WALTER H. HUTH, doing business as Walbert Manufacturing Co., Chicago, Ill. Filed Feb. 23, 1924.

UNIVERNIER

Particular description of goods.—Radio Adjusting Devices—Namely, Tuning Knobs and Handles for the Front Panels of Radio Receiving Sets.
Claims use since September, 1922.

Ser. No. 193,482. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAMES WEATHERUP, Philadelphia, Pa. Filed Mar. 8, 1924.

WEATHERUP'S
MUSTA-Q-U
the
Trade Mark
of all

No claim is made for the words "Trade-Mark" or "Weatherup's" apart from the mark as shown.

Particular description of goods.—Salves for Treatment of Colds, Congestions, and Muscular Ailments.

Claims use since Jan. 21, 1924.

Ser. No. 194,677. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE STERLING TELEPHONE AND ELECTRIC COMPANY LIMITED, London, England. Filed Mar. 29, 1924.

"PRIMAX"

Particular description of goods.—Complete Telephone and Telegraph Systems and Complete Radio Receiving Sets and Parts Thereof.

Claims use since Nov. 16, 1904.

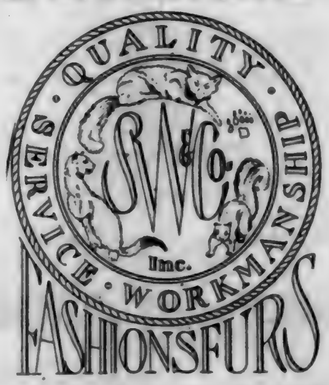
Ser. No. 194,707. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) ALVIN H. HANKINS, Seattle, Wash. Filed Mar. 31, 1924.



Particular description of goods.—Finger Rings, Charms, Medals, Class Pins, Brooches, Emblem Goods Such as Insignia of Societies and Life-Membership Cards for Societies and Organizations, Bracelets, and Buckles, All Made of or Plated with Precious Metals.

Claims use since August, 1920.

Ser. No. 195,022. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) SMITH, WARNER & CO., INC., New York, N. Y. Filed Apr. 4, 1924.



Applicant disclaims the right to the exclusive use of the words "Fashions Furs" apart from the trade-mark as shown in the drawing. No rights are asserted to the exclusive use of the words "Quality," "Service," and "Workmanship."

Particular description of goods.—Furs—Namely, Fur Trimmings.

Claims use since Feb. 1, 1924.

Ser. No. 195,233. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MOR FEKETE, doing business as Mor Fekete Chemisch-pharmazeutische Fabrik, Vienna, Austria. Filed Apr. 9, 1924.



The words "Basch-Tabletten; nach recept des; Professor Med. Dr. Ritter v. Basch; vorm. Kurarst; in Marienbad" are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Pills for Inducing Action of the Alimentary Organs and Acting as Blood Purifiers.

Claims use since 1903.

Ser. No. 195,252. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) R. C. WILLIAMS & COMPANY, INC., New York, N. Y. Filed Apr. 9, 1924. Under ten-year proviso.

HEALTH BRAND

Particular description of goods.—Allspice (Ground and Whole), Sliced Dried Beef, Bouillon Cubes, Catchup, Chocolate, Cinnamon (Ground and Whole), Canned Clams, Cloves (Ground and Whole), Cocoa, Coffee (Green and Roasted), Cornstarch for Food Purposes, Dried Currants, Flavoring Extracts for Food Purposes, Farina, Rice, Spaghetti, Vermicelli, Canned Fish, Frankfurters, Ginger (Ground and Whole), Canned Herring, Hominy, Honey, Jelly Powder, Kippered Herring, Dried Lentils, Canned Lobster, Macaroni, Mace (Ground and Whole), Mayonnaise, Condensed Milk, Mincemeats, Mustard (Dried and Prepared), Noodles, Nutmegs (Ground and Whole), Rolled Oats, Olive Oil, Paprika, Peanut Butter, Pearl Barley, Split Peas, Pepper (Ground and Whole), Canned Salmon, Canned Sardines, Chili Sauce, Canned Shrimp, Spices (Ground and Whole), Tapioca, and Vinegar.

Claims use since some time in the year 1885.

Ser. No. 195,569. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) EDWARD G. BUDD MANUFACTURING COMPANY, Philadelphia, Pa. Filed Apr. 15, 1924.

ALL STEEL

Applicant disclaims any attempt to cover in this application the words "All Steel" except in the precise relation and association in which they are shown in the mark as a whole.

Particular description of goods.—Automobile Bodies.

Claims use since July, 1920.

Ser. No. 195,610. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ANGELO BROS. LIMITED, Calcutta, British India. Filed Apr. 16, 1924.

ANGELOBRO
IG

Particular description of goods.—Prepared Shellacs.

Claims use since Dec. 31, 1899.

Ser. No. 195,807. (CLASS 39. CLOTHING.) NEWMAN DUBS & CO., New York, N. Y. Filed Apr. 19, 1924.

America's
School Boys
Suits

No claim is made to the words "America's School Boys Suits" apart from the mark shown on the drawing. The drawing is lined to represent a red upper zone and a blue lower zone.

Particular description of goods.—Boys' Suits.

Claims use since 1912.

Ser. No. 195,831. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE G. W. OPELL CO., Vincennes, Ind. Filed Apr. 19, 1924.

PAL'S

Particular description of goods.—Cakes.

Claims use since Apr. 15, 1924.

Ser. No. 195,909. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) RADIO GAMES COMPANY, Peoria, Ill. Filed Apr. 21, 1924.

Game
of
Radio

No claim is made to the use of the words "Game of" apart from the mark shown.

Particular description of goods.—Card Game.

Claims use since Mar. 20, 1924.

Ser. No. 196,509. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) DORIS BUSTANOBY, New York, N. Y. Filed May 3, 1924.

Forbidden
Punch

The word "Punch" is disclaimed apart from the mark shown on the drawing.

Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as a Soft Drink.

Claims use since Apr. 24, 1924.

Ser. No. 196,510. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) DORIS BUSTAMORY, New York, N. Y. Filed May 3, 1924.



Particular description of goods.—Nonalcoholic, Maltless Beverage Sold as Soft Drink.
Claims use since Apr. 24, 1924.

Ser. No. 197,365. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) THE DE LONG HOOK AND EYE COMPANY, Philadelphia, Pa. Filed May 21, 1924.



The picture of the head, face, and upper portions of the shoulders shown in the accompanying drawing is fanciful.
Particular description of goods.—Hairpins.
Claims use since May 14, 1924.

Ser. No. 199,096. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) J. S. & J. F. STRING INCORPORATED, New Haven, Conn. Filed June 24, 1924.

VESTA

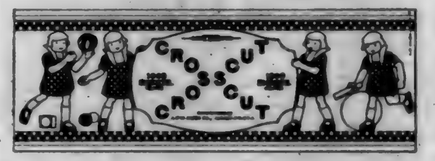
Particular description of goods.—Liquid-Fuel Systems, Liquid-Fuel Burners, Liquid-Fuel Furnaces, Liquid-Fuel Heaters, and Liquid-Fuel Torches.
Claims use since May, 1923.

Ser. No. 199,754. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) N. S. LOW & CO. INC., New York, N. Y. Filed July 8, 1924.

ENESLOW

Particular description of goods.—Instrument Trays; Electromedical, Physio-therapy, and X-Ray Apparatus; Abdominal Supporters, Elastic Stockings, Trusses, Abdominal Belts, Surgical Instruments, Deformity Apparatus, and Arch Supporters.
Claims use since about August, 1923.

Ser. No. 200,080. (CLASS 37. PAPER AND STATIONERY.) ALBANY PERFORATED WRAPPING PAPER COMPANY, Albany, N. Y. Filed July 16, 1924.



Applicant hereby disclaims any demand herein for protection upon the mere words "100 Sheets 4¾ x 5½" and "Albany, N. Y., U. S. A." and "Manufactured by A. P. W. Paper Co." apart from the mark shown.
Particular description of goods.—Toilet Paper.
Claims use since June 6, 1924.

Ser. No. 200,399. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY SPRAGUE LIPPINCOTT, Red Bank, N. J. Filed July 23, 1924.

LUMKSE

Particular description of goods.—Candy.
Claims use since June 30, 1924.

Ser. No. 200,979. (CLASS 15. OILS AND GREASES.) BROWN-EDWARDS COMPANY, New York, N. Y. Filed Aug. 5, 1924.

LINSOYA

Particular description of goods.—Vegetable Oils for Use as Lubricants and in the Manufacture of Lubricants.
Claims use since June 25, 1924.

Ser. No. 201,074. (CLASS 15. OILS AND GREASES.) BROWN-EDWARDS COMPANY, New York, N. Y. Filed Aug. 7, 1924.

LINSARILLA

Particular description of goods.—Vegetable Oils for Use as Lubricants and in the Manufacture of Lubricants.
Claims use since June 25, 1924.

Ser. No. 201,075. (CLASS 15. OILS AND GREASES.) BROWN-EDWARDS COMPANY, New York, N. Y. Filed Aug. 7, 1924.

SOYALIN

Particular description of goods.—Vegetable Oils for Use as Lubricants and in the Manufacture of Lubricants.
Claims use since June 25, 1924.

Ser. No. 201,438. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG O. H. G., Trier, Germany. Filed Aug. 15, 1924.



No claim is made for the words "Haus Neuerburg Zigarretten" apart from the mark shown on the drawing.
Particular description of goods.—Cigars, Leaf Tobacco, Snuff, Stogies, Cigarettes; Tobacco for Chewing, Smoking, and Snuffing.
Claims use since Oct. 31, 1906.

Ser. No. 201,553. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOREMAN NATIONAL BANK, Chicago, Ill. Filed Aug. 18, 1924.



Applicant makes no claim to the word "Chicago" except in connection with the mark as shown.
Particular description of goods.—Negotiable Paper.
Claims use since July 2, 1923.

Ser. No. 201,554. (CLASS 38. PRINTS AND PUBLICATIONS.) THE FOREMAN TRUST AND SAVINGS BANK, Chicago, Ill. Filed Aug. 18, 1924.



Applicant makes no claim to the word "Chicago" except in connection with the mark as shown.
Particular description of goods.—Negotiable Paper.
Claims use since July 2, 1923.

Ser. No. 202,477. (CLASS 37. PAPER AND STATIONERY.) AMERICAN LAKES PAPER COMPANY, Chicago, Ill. Filed Sept. 11, 1924.

KASHMIR KRAFT

No claim is made to the word "Kraft" apart from the mark shown in the drawing.
Particular description of goods.—Paper, and Particularly Such Paper as is Used for Wrapping Purposes.
Claims use since about July 26, 1924.

Ser. No. 202,728. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE J. R. WATKINS COMPANY, Winona, Minn. Filed Sept. 17, 1924.



No claim is made to the word "Watkins."
Particular description of goods.—Coffees.
Claims use since Dec. 1, 1921.

Ser. No. 202,901. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SOMA PRODUCTS CO., Los Angeles, Calif. Filed Sept. 22, 1924.

SOMA

Particular description of goods.—Bath Salts, Laxative Tonic; Mineral Tablet for Eliminating Toxic Poisons, Relieving Headache, Colds, and Reducing Blood Pressure; Natural Mineral Salts for Relief of Constipation and Disorder of the Stomach.
Claims use since May 1, 1923.

Ser. No. 203,051. (CLASS 39. CLOTHING.) PARISIAN MFG. CO., New York, N. Y. Filed Sept. 25, 1924.



Particular description of goods.—Dresses.
Claims use since Mar. 1, 1924.

Ser. No. 203,539. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) ADOLPHE SAX, Paris, France. Filed Oct. 7, 1924. Under ten-year proviso.

Adolphe SAX

Particular description of goods.—Saxophones, Saxobrombas, Saxhorns, Saxtubas, Sarrusophones, Drums, Tambourines, Cymbals, Castanets, Hawk Bells, Triangles, Cornets, Horns, French Harps, Trumpets, Trombones, Bugles, Clarions, Helicons, Hunting Horns, Bassoons, Flutes, Clarinets, Fifes, Flageolets, Musettes, English Horns, Reeds, Oboes, Xylophones, Zithers, Harps, Autoharps, Accordions, Concertinas, Banjos, Guitars, Mandolins, Pianofortes, Pipe-Organs, Harmoniums, Orchestra-Bells, Orchestrions, Dulcimers, Violins, Violoncellos, Counterbasses, Euphoniums, Altos, Ophicleids, Strings for Violins and Similar Instruments; Springs, Pads, and Skivers for the Keys of Wind Instruments; Drumsticks, Mouthpieces, Music Stands Consisting of Metal Racks to Hold the Music of an Individual Player, Metronomes, Tuning Forks, Mutes for Violins and Similar Instruments, and Mutes for Wind Instruments.
Claims use since 1853.

Ser. No. 204,660. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JACK O'JACK COMPANY, Chicago, Ill. Filed Oct. 31, 1924.



Jack O'Jack

Particular description of goods.—Crackers.
Claims use since Sept. 1, 1924.

Ser. No. 204,696. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) THE BROADCASTER CORPORATION, Chicago, Ill. Filed Nov. 1, 1924.



Particular description of goods.—Phonographs.
Claims use since about Jan. 10, 1922.

Ser. No. 205,370. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH, PERKINS & CO., Rochester, N. Y. Filed Nov. 15, 1924.

ARGA

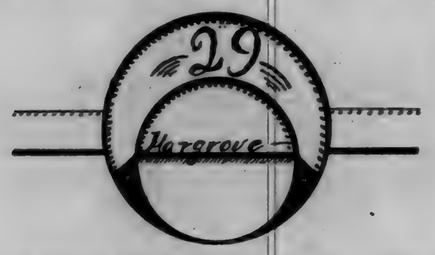
Particular description of goods.—Tea and Coffee.
Claims use since December, 1906.

Ser. No. 205,516. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) DAVIDSON RADIO CORPORATION, New York, N. Y. Filed Nov. 19, 1924.

"LO-CAP"

Particular description of goods.—Electrical Devices Consisting of Radiocondensers.
Claims use since about Nov. 1, 1923.

Ser. No. 205,640. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) E. E. HARGROVE, Dallas, Tex. Filed Nov. 21, 1924.



No claim is made to the name "Hargrove" except as associated with the other features of the mark.
Particular description of goods.—Medicinal Preparation for Gonorrhea, Syphilis, and General Blood Tonic.
Claims use since Sept. 10, 1924.

Ser. No. 205,705. (CLASS 32. FURNITURE AND UPHOLSTERY.) ISIDOR NELSON, New York, N. Y. Filed Nov. 22, 1924.



Particular description of goods.—Household and Office Furniture Consisting of Desks, Chairs, Bookcases, and Filing Cabinets.
Claims use since Jan. 1, 1924.

Ser. No. 205,809. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) T. M. AMENDOLA, doing business as T. M. Amendola & Co., Dinuba, Calif. Filed Nov. 25, 1924.

Lucky Strike

Particular description of goods.—Fresh Grapes.
Claims use since Aug. 1, 1924.

Ser. No. 205,888. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PAUL REVERE PUCKETT, Atlanta, Ga. Filed Nov. 26, 1924.

SUN PAK

Particular description of goods.—Flash Lights.
Claims use since June 13, 1924.

Ser. No. 206,608. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CREAM STORE, INC., Portland, Oreg. Filed Dec. 12, 1924.

Mexican Chews

Particular description of goods.—Candies.
Claims use since Apr. 1, 1910.

Ser. No. 206,665. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PHILIP GALLUB, New York, N. Y. Filed Dec. 18, 1924.

Soie de L'eau

Consisting of the words "Soie de L'eau," no claim being made to the exclusive use of the word "Soie" apart from the mark as shown, however, waiving the common-law right to the exclusive use of the complete mark "Soie de L'eau."
Particular description of goods.—Silk Piece Goods.
Claims use since Dec. 1, 1924.

Ser. No. 207,504. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) B. HELLER & COMPANY, Chicago, Ill. Filed Dec. 31, 1924.



The word "Pickle" is disclaimed aside from the mark as shown, the applicant, however, reserving all its common-law rights to same. The word "Flavor" is hereby disclaimed apart from the mark as shown.
Particular description of goods.—A Flavoring Compound Used in Meats and Meat Products, Particularly Hams, Bacon, Corned Beef, and Sausage, Including Sausage Meat.
Claims use since September, 1924.

Ser. No. 207,588. (CLASS 39. CLOTHING.) THE MILLINERY MART, INC., New York, N. Y. Filed Jan. 2, 1925.



No claim is made to the exclusive right of the use of the words "The Millinery Mart" except in the particular association in which they appear in the trade-mark shown on the labels.

Particular description of goods.—Ladies' Hats.

Claims use since Apr. 19, 1922.

Ser. No. 207,608. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BAUER & BLACK, Chicago, Ill. Filed Jan. 3, 1925.

ARABY

Particular description of goods.—Burning Deodorants.

Claims use since January, 1916.

Ser. No. 208,003. (CLASS 45. BEVERAGES, NONALCOHOLIC.) NATIONAL BEVERAGE COMPANY, Chicago, Ill. Filed Jan. 12, 1925.



The drawing is lined for red and purple, orange and blue, brown and gray, red and blue, and purple alone.

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks.

Claims use since June 1, 1916.

Ser. No. 208,118. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GUILLERMO GUTIERREZ VELEZ, New York, N. Y. Filed Jan. 14, 1925.

PALMAR

Particular description of goods.—Coffee.

Claims use since Apr. 15, 1925.

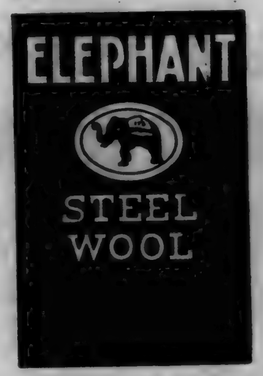
Ser. No. 208,159. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) POLTE, Magdeburg, Germany. Filed Jan. 15, 1925.



Particular description of goods—Domestic and Kitchen Utensils of Aluminum and Gate Valves.

Claims use since January, 1924.

Ser. No. 208,295. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) INTERNATIONAL STEEL WOOL CORPORATION, Springfield, Ohio. Filed Jan. 19, 1925.



No claim is made to the words "Steel Wool" apart from the mark shown.

Particular description of goods.—Steel Wool for Rubbing, Cleansing, Polishing, and Scouring.

Claims use since on or about Nov. 10, 1924.

Ser. No. 208,304. (CLASS 12. CONSTRUCTION MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Jan. 19, 1925.

Master Builders

Particular description of goods.—Colored Cement; Materials Used for Waterproofing, Hardening, Frostproofing, Controlling the Set of, and Coloring Cement and Concrete; and Material for Patching Stone and Cement and Concrete.

Claims use since 1909.

Ser. No. 208,326. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) JEWEL FRANCIS WATTERBURY, Lincoln, Nebr. Filed Jan. 19, 1925.

JEWEL WONDER

Drawing consists in the words "Jewel Wonder" in white letters upon a black background. In the drawing the background is shaded to indicate black, the form of the background being no part of the mark.

Particular description of goods.—Razor Strops and Razor-Strop Paste.

Claims use since Nov. 14, 1924.

Ser. No. 208,345. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE GRATON & KNIGHT MANUFACTURING COMPANY, Worcester, Mass. Filed Jan. 20, 1925.



Particular description of goods.—Belts and Belting, Such as Round Belting, Twist Belting, Folded Twist Belting, Built-up Round Belting, V Belting, Laminated Link V Belting, Block V Belting, Link V Belting, Automobile Fan Belting and Shafting Rings, Diaphragms, Disks, Gaskets, Washers, and Packing, All of Leather.

Claims use since about 1915.

Ser. No. 208,373. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) ASKANIA-WERKE A.-G. VORMALS CENTRALWERKSTATT-DESSAU UND CARL BAMBERG-FRIEDENAU, Berlin-Friedenau, Germany. Filed Jan. 21, 1925.



Particular description of goods.—Physical, Optical, Astronomical, Geodetical, Nautical, Meteorological, Earth-Magnetic, Heat-Technical, and Electrotechnical Measuring, Signaling, and Controlling Apparatus, Instruments, and Implements; Pilot Balloons, and Pressure Gauges, Draft and Pressure Recorders; Instruments for Watching Over the Draft, the Pressure, and the Temperature of Boilers or Other Furnace Installations; Instruments for the Exact Control of the Pressure, the Temperature, and the Volumes of Air Gases and Vapors, Quantity and Speed Indicators, Gas Meters, Manometers, Measuring Devices for Air Machines, Field Glasses, Telescopes, Theater Glasses, Prisms, Optical Lenses; Photographic Apparatus, Instruments, and Implements; Cinematographic Cameras, and Reproducing Apparatus.

Claims use since June, 1922.

Ser. No. 208,385. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) DETROIT SILVER FOX FARMS, Detroit, Mich. Filed Jan. 21, 1925.



No claim is made to the exclusive use of the representation of a fox or the word "Strain" apart from the mark as shown on the drawing.

Particular description of goods.—Fox Pelts.

Claims use since Feb. 1, 1922.

Ser. No. 208,553. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) P. BALLANTINE AND SONS, Newark, N. J. Filed Jan. 24, 1925.

THREE RINGS

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Jan. 15, 1925.

Ser. No. 208,919. (CLASS 21. ELECTRICAL APPARATUS, MACHINES AND SUPPLIES.) MAURICE P. MANX, New York, N. Y. Filed Jan. 31, 1925.

"MARY ADELINE"

The Lamp For My Lady's Boudoir.

No claim is made for the words "The Lamp for My Lady's Boudoir" apart from the mark as shown.
Particular description of goods.—Electric Boudoir Lamps.
Claims use since Jan. 2, 1924.

Ser. No. 208,999. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) RIVERDALE PRODUCTS COMPANY, Chicago, Ill. Filed Feb. 2, 1925.

Chapman's

Red Top

No claim is made to the word "Chapman's" apart from the other features of the mark.
Particular description of goods.—Meat Scraps, Digester Tankage, and Animal Feeds.
Claims use since July 15, 1924.

Ser. No. 209,166. (CLASS 27. HOROLOGICAL INSTRUMENTS.) THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa., and Riverside, N. J. Filed Feb. 6, 1925.



Particular description of goods.—Watches, Watchcases, Watch Movements, and Parts Thereof.
Claims use since 1890.

Ser. No. 209,230. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MERCURY MANUFACTURING COMPANY, Chicago, Ill. Filed Feb. 7, 1925.



Applicant disclaims the right to registration of the words "The Trackless Train" and the representation of the goods apart from the mark as shown.
Particular description of goods.—Electrical Tractors and Parts Thereof.
Claims use since Jan. 1, 1923.

Ser. No. 209,258. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WARIN & CIE., Paris, France. Filed Feb. 7, 1925. Under ten-year proviso.

PARFUMERIE NINON

Particular description of goods.—Hair Tonic, Rouges, Toilet Water, Wrinkle Eradicators, Face Cream and Cold Cream, Nail Polish, Eyebrow Tint and Eyebrow Pencils, Face and Hair Lotion, Perfumery Pastils, Face Powder, Tooth Paste, Bath Salts, Hair Coloring, Eau de Cologne, Depilatory, Petrolatum, Pomade for the Skin, Toilet Vinegar, Glycerin, Talcum Powder, Eau de Quinine, Skin Whitener, Eye Tonic, Brilliantine, and Hair Oil.
Claims use since 1869.

Ser. No. 209,264. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) W-K ELECTRIC COMPANY, Kenosha, Wis. Filed Feb. 7, 1925.

ORIOLE

Particular description of goods.—Radio Receiving Sets and Parts Thereof.
Claims use since Jan. 2, 1924.

Ser. No. 209,303. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) SAMUEL LEWIS, New York, N. Y. Filed Feb. 9, 1925.

"ELK"



Particular description of goods.—Metal Polish.
Claims use since February, 1909.

Ser. No. 209,411. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) CHARLES ALBERT KUEHN, St. Louis, Mo. Filed Feb. 11, 1925.



No claim is made to the use of the word "Use" in connection with the mark as shown in the drawing.
Particular description of goods.—Artificial Flowers, Artificial Leaves, and Wreaths or Other Florist Designs Made of the Same; Dry or Prepared Foliages and Wreaths or Other Florist Designs Made of the Same; Chenille.
Claims use since June, 1923.

Ser. No. 209,444. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNIQUE ART MANUFACTURING CO., Newark, N. J. Filed Feb. 11, 1925.

HAM AND SAM

Particular description of goods.—Toy Pianos and Toy Characters Performing in Connection Therewith.
Claims use since about November, 1922.

Ser. No. 209,523. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE AMERICAN OAK LEATHER CO., Cincinnati, Ohio. Filed Feb. 13, 1925.

Am-O-Tan

Particular description of goods.—Leather in Its Natural and Manufactured State, Sole Leather in Whole Stock and Cut Stock, Automobile Upholstery and Trimming Leather, Furniture Upholstery Leather; Carriage-Top, Dash, and Trimming Leather; Harness and Saddlery Leather, Patent and Enameled Leathers of All Kinds, Shoe-Upper Leathers, Pocketbook and Novelty Leathers, Bookbinders' Leathers, and Rough Leathers.
Claims use since Feb. 7, 1925.

Ser. No. 209,705. (CLASS 30. CROCKERY, EARTHENWARE, AND PORCELAIN.) STAATLICHE PORZELLAN MANUFAKTUR MEISSEN, Meissen, Germany. Filed Feb. 16, 1925.



Particular description of goods.—Porcelain Goods and Earthenware.
Claims use since Jan. 10, 1924.

Ser. No. 209,735. (CLASS 32. FURNITURE AND UPHOLSTERY.) LEO MANN, Central Falls, R. I. Filed Feb. 17, 1925.



Applicant disclaims any rights to the words "Trade-Mark" separate and apart from the design and trade-mark shown.
Particular description of goods.—Mattresses.
Claims use since Dec. 15, 1924.

Ser. No. 209,814. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Feb. 18, 1925.

CARNO

Particular description of goods.—Chemicals for Curing Meats, Preservatives, Antiseptics, Antiferments, Bactericides, Insecticides, Antizymotics, Germicides, Antimolds, and Disinfectants.
Claims use since Mar. 1, 1905.

Ser. No. 209,847. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) HUSTLER TOY CORPORATION, Sterling, Ill. Filed Feb. 19, 1925.



Particular description of goods.—Toys and Games—Namely, Mechanical Toys, Toy Figures Representing Human Beings, Animals, and Birds, Toy Beads, and Containers in the Nature of Toys, Toy Baseball, Football, and Golf Games.
Claims use since Feb. 2, 1925.

Ser. No. 209,963. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE BENDIX AUTO SIGNAL DEVICE CO., INCORPORATED, doing business also as S & S Machine & Tool Co., New York, N. Y. Filed Feb. 21, 1925.

SBS

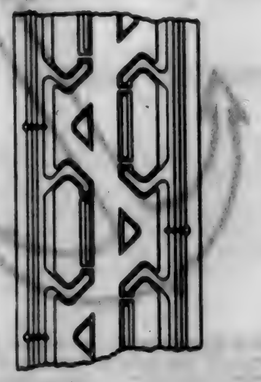
Particular description of goods.—Electric Stop and Direction Signal Lights Used on Automobiles.
Claims use since about Feb. 1, 1925.

Ser. No. 210,006. (CLASS 18. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) PAWTUCKET MANUFACTURING CO., Pawtucket, R. I. Filed Feb. 21, 1925.



Particular description of goods.—Bolts, Studs, Nuts, Screws, and Punchings of All Kinds, Washers, Links, and Chains.
Claims use since Sept. 11, 1911.

Ser. No. 210,054. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE FISK RUBBER COMPANY, Chicopee Falls, Mass. Filed Feb. 24, 1925.



Particular description of goods.—Rubber Tires.
Claims use since Nov. 1, 1924.

Ser. No. 210,061. (CLASS 32. FURNITURE AND UPHOLSTERY.) LANDO, THE BLIND MAN, San Francisco, Calif. Filed Feb. 24, 1925.

THE BLIND MAN

Particular description of goods.—Window Shades.
Claims use since Apr. 15, 1922.

Ser. No. 210,245. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MANHATTAN ELECTRICAL SUPPLY COMPANY, INCORPORATED, New York, N. Y. Filed Feb. 27, 1925.

BLUE DRY BATTERY SEAL

The representation of the seal is printed in blue.
Particular description of goods.—Dry Batteries.
Claims use since June, 1910.

Ser. No. 210,316. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) J. V. PILCHER, doing business as J. V. Pilcher Mfg. Co., Louisville, Ky. Filed Feb. 28, 1925.

LOCK-LINK

Particular description of goods.—Separable Cuff Buttons.
Claims use since Feb. 10, 1925.

Ser. No. 210,388. (CLASS 39. CLOTHING.) HAWLEY, FOLSOM COMPANY, Boston, Mass. Filed Mar. 2, 1925. Applicant disclaims the word "Brand."

STAG BRAND

Particular description of goods.—Flannel Shirts, Underwear of Knitted and Textile Fabric for Men and Boys, Night Robes, Pyjamas, Hosiery, Sweaters, Gloves of Leather and Fabric, and Bathing Suits.
Claims use since July 1, 1885.

Ser. No. 210,432. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Mar. 3, 1925. Under ten-year proviso.

ABRAHAM & STRAUS

Particular description of goods.—Linen Piece Goods, Textile Bed Sheets, Pillowcases, Tablecloths, Napkins and Doilies, Woolen Piece Goods, Cotton Piece Goods, Lace in the Piece; Textile Table Tops, Towels, Wash Rags, and Handkerchiefs; Silk Piece Goods, Velvet Piece Goods, Ribbons in the Piece, Percales in the Piece, Textile Linings in the Piece; Textile Blankets, Comforts, and Rugs; Calicoes in the Piece, Carpets, Crêpe Cloth in the Piece, Hair Nets, Veilings, Textile Portières, Window-Shade Cloth, Chiffon in the Piece, Serge in the Piece, Cheviots in the Piece, Ginghams in the Piece, Chambrays in the Piece, Lace Curtains, and Canvas in the Piece.
Claims use since Apr. 1, 1893.

Ser. No. 210,453. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) LOUIS GERSTEIN, New York, N. Y. Filed Mar. 3, 1925.



No rights are asserted to the exclusive use of the words "Bias Binding" apart from the trade-mark as shown in the drawing.
Particular description of goods.—Trimming—Namely, Bias Binding.
Claims use since about 1905.

Ser. No. 210,484. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

Van-Aroma

Particular description of goods.—Flavoring Extracts for Foods.
Claims use since Sept. 12, 1919.

Ser. No. 210,487. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LEHN & FINK, INC., New York, N. Y. Filed Mar. 3, 1925.

THE BARONET BRAND

No claim being made to the word "Brand" apart from the mark as shown.
Particular description of goods.—Tea.
Claims use since June 27, 1905.

Ser. No. 210,500. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. ROBINSON COMPANY, St. Paul, Minn. Filed Mar. 3, 1925.

SPARKLE

Particular description of goods.—Granulated Sugar, Brown Sugar, Powdered Sugar, Lump or Loaf Sugar, and Icing Sugar.
Claims use since Feb. 10, 1925.

Ser. No. 210,524. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BRISTOL BAY PACKING COMPANY, San Francisco, Calif. Filed Mar. 5, 1925.

SILVER NET

Particular description of goods.—Canned Salmon.
Claims use since about 1911.

Ser. No. 210,572. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) ROBERT DOUGLAS OGDEN, Hale, England. Filed Mar. 5, 1925.

TENIKOIT

Particular description of goods.—Indoor or Outdoor Game Similar to Tennis.
Claims use since June 24, 1921.

Ser. No. 210,591. (CLASS 38. PRINTS AND PUBLICATIONS.) THE UNITED PRINTING COMPANY, Youngstown, Ohio. Filed Mar. 5, 1925.

YOUNGSTOWN SHOPPING NEWS
A Reliable Guide to Shoppers

The words "A Reliable Guide to Shoppers" are disclaimed apart from the mark shown.
Particular description of goods.—Weekly Publication.
Claims use since Mar. 3, 1925.

Ser. No. 210,612. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAMMEL, RIGLANDER & Co., New York, N. Y. Filed Mar. 6, 1925. Under ten-year proviso.

F. E. LINDSTRÖM

Particular description of goods.—Nippers, Pliers, and Pincers.
Claims use since Jan. 1, 1894.

Ser. No. 210,674. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) LIBERTY RADIO CORPORATION, Los Angeles, Calif. Filed Mar. 7, 1925.

SUPER-BOOSTER

Particular description of goods.—Antenna Tuners for Radio Sets.
Claims use since Dec. 27, 1924.

Ser. No. 210,687. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) RESPRO INC., Providence, R. I. Filed Mar. 7, 1925.



No registration rights are claimed for the words "Products, Tough, Strong, Durable" apart from the mark shown in the drawing.
Particular description of goods.—Adhesively-Integrated Fibrous Material (a Manufactured Material).
Claims use since Sept. 15, 1920.

Ser. No. 210,725. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM J. GORDON, doing business as General Beverage & Products Co., Lancaster, Ohio. Filed Mar. 9, 1925.

GRAINS OF HEALTH

Particular description of goods.—Malt Extract and Malt Hop Extract for Food Purposes.
Claims use since Aug. 18, 1919, on malt extract and since Dec. 26, 1923, on malt and hops extract.

Ser. No. 210,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MUNYON REMEDY COMPANY, Scranton, Pa. Filed Mar. 9, 1925.

MEN-A-CAPS

Particular description of goods.—Tonic and Body-Building Preparation Also Used for Enriching the Blood.
Claims use since Dec. 18, 1924.

Ser. No. 210,779. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALASKA SALMON COMPANY, San Francisco, Calif. Filed Mar. 10, 1925.

WIGWAG

Particular description of goods.—Canned Salmon.
Claims use since about 1901.

Ser. No. 210,792. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ESTELLA W. HUTCHINS, doing business as The Kool-on Company, New Haven, Ind. Filed Mar. 10, 1925.

KOOL-ON.

"Kool-On."
Particular description of goods.—Healing Hand Lotion and Shampoos.
Claims use since Apr. 1, 1919.

Ser. No. 210,813. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) G. SIDENBERG & Co., New York, N. Y. Filed Mar. 10, 1925.



Particular description of goods.—Piece Goods of Artificial Silk and of Artificial Silk and Cotton Mixtures, Plain or Woven or Printed in Color or Colors.
Claims use since Mar. 15, 1914.

Ser. No. 210,854. (CLASS 12. CONSTRUCTION MATERIALS.) EDWARD FRANCIS NEEDHAM, Los Angeles, Calif. Filed Mar. 11, 1925.

THERMOSOID

Particular description of goods.—Precast Concrete Vacuumized Walls.
Claims use since June 15, 1924.

Ser. No. 210,856. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GEO. P. PLANT MILLING COMPANY, St. Louis, Mo. Filed Mar. 11, 1925.

GINGHAM

Particular description of goods.—Plain and Self-Rising Wheat Flour.
Claims use since Aug. 3, 1921.

Ser. No. 210,884. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LORNE H. COLES, San Francisco, Calif. Filed Mar. 12, 1925.

LIP WIK

Particular description of goods.—Rouge, Rouge Compacts, and Refills for Same.
Claims use since Feb. 14, 1925.

Ser. No. 210,887. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK B. DENNIS, doing business as Jersee Company, Minneapolis, Minn. Filed Mar. 12, 1925.

JUST-RIGHT



EGG MASH

The term "Just Right" and the words "Egg Mash" are disclaimed apart from the mark as shown on the accompanying drawing.
Particular description of goods.—Egg Mash.
Claims use since Nov. 15, 1924.

Ser. No. 210,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK B. DENNIS, doing business as Jersee Company, Minneapolis, Minn. Filed Mar. 12, 1925.



The term "Just Right" and the words "Chick Starter" are disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Chick Starter.

Claims use since Oct. 6, 1924.

Ser. No. 210,889. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FRANK B. DENNIS, doing business as Jersee Company, Minneapolis, Minn. Filed Mar. 12, 1925.



The term "Just Right" and the words "Growing Mash" are disclaimed apart from the mark as shown on the drawing.

Particular description of goods.—Growing Mash.

Claims use since Oct. 6, 1924.

Ser. No. 210,913. (CLASS 38. PRINTS AND PUBLICATIONS.) THE GEO. N. LOWREY CO., New York, N. Y. Filed Mar. 12, 1925.

Sports Wear

Particular description of goods.—Printed Periodical Published Monthly and at Other Intervals.

Claims use since Mar. 7, 1925.

Ser. No. 210,940. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WINDSOR MANUFACTURING CO., Philadelphia, Pa. Filed Mar. 12, 1925.



Particular description of goods.—Worsted Goods in the Piece.

Claims use since March, 1920.

Ser. No. 210,946. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) AMERICAN CHICLE COMPANY, Long Island City, N. Y. Filed Mar. 13, 1925.

DENTYNE

Particular description of goods.—Confectionery—Namely, Candy, Mints in Tablet Form, Breathlets, and Cachous.

Claims use since Feb. 13, 1925.

Ser. No. 210,958. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEGTE LTD., New York, N. Y. Filed Mar. 13, 1925.



"The Purple Shop"

Particular description of goods.—Bakery Products—Namely, Pastry, Candy, Fruit Preserves; Confectionery—Namely, Jams and Jelly; Cake, Crackers, Bread, and Tea.

Claims use since Mar. 3, 1925.

Ser. No. 210,990. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) D. S. WILLIAMS, doing business as Williams Bros. & Company, Wilkes-Barre, Pa. Filed Mar. 13, 1925.

WILCO

Particular description of goods.—Canned Vegetables and Fruits, Canned Evaporated Milk, Catchup, Flavoring Extracts for Food, Mincemeat, Rolled Oats, Fruit Preserves, and Spices in Packages, Corn Meal, Dried Currants, Alimentary Paste Products.

Claims use since July 1, 1914.

Ser. No. 210,994. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACTIEN GESELLSCHAFT FUR ANILIN FABRIKATION, Berlin, Germany. Filed Mar. 14, 1925.

ACIDOLAMIN

Particular description of goods.—Antiseptics Especially for the Urinal Tract and Internal Disinfectants.

Claims use since Nov. 13, 1923.

Ser. No. 210,996. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALLERTON DRUG COMPANY, INC., New York, N. Y. Filed Mar. 14, 1925.

Hanex

Particular description of goods.—Laxative Compounds, Preparation for Hemorrhoidal Complaints, and Blood Purifiers.

Claims use since Apr. 1, 1924.

Ser. No. 211,001. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) BEACON RADIO MFG. CO., INC., Brooklyn, N. Y. Filed Mar. 14, 1925.



Particular description of goods.—Radio Receiving Sets and Parts Thereof, Condensers, Jacks, Plugs, Rheostats, and Dials.

Claims use since Oct. 3, 1924.

Ser. No. 211,052. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) PILOT ELECTRIC MFG. CO., INC., Brooklyn, N. Y. Filed Mar. 14, 1925.



No claim is made to the words "Made in U. S. A." apart from the mark shown.

Particular description of goods.—Condensers, Jacks, Plugs, Rheostats, Dials, Radio Receiving Sets, and Parts Thereof.

Claims use since September, 1922.

Ser. No. 211,090. (CLASS 38. PRINTS AND PUBLICATIONS.) HARRISON W. GARLAND, Bay City, Mich. Filed Mar. 16, 1925.

The Seniors

Particular description of goods.—Monthly Magazine.

Claims use since Feb. 1, 1925.

Ser. No. 211,110. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) T. KROEBBER CO. INC., Cincinnati, Ohio. Filed Mar. 16, 1925.



Particular description of goods.—Platinum Bracelets, Platinum Pins, and Platinum Finger Rings.

Claims use since June, 1924.

Ser. No. 211,117. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL MILL & LUMBER COMPANY, San Francisco, Calif. Filed Mar. 16, 1925.



Exclusive use of the words "Ironing Board" is disclaimed apart from the mark shown.

Particular description of goods.—Ironing Boards.

Claims use since Oct. 1, 1919.

Ser. No. 211,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE DANIELS CORNELL COMPANY, Manchester, N. H. Filed Mar. 17, 1925.

AMOSKEAG

Particular description of goods.—Canned Vegetables, Canned Pork and Beans, Canned Fruits, Canned Fish, Canned Shell Fish, Canned Dried Beef, Dried or Evaporated Fruits, Pickles, Tomato Catchup, Tea, Macaroni, Spaghetti, and Vermicelli, Peanut Butter, Fruit Preserves and Jams, Vinegar, Olives, Olive Oil, Cereal Breakfast Foods, Dates, Rice, Mincemeat, Prepared Package Flour, and Dried Currants.

Claims use since January, 1896.

Ser. No. 211,161. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EMILE P. FERTÉ, Los Angeles, Calif. Filed Mar. 17, 1925.

CASPIRIN

Particular description of goods.—Medicinal Compound to be Used in the Treatment of Rheumatism, Colds, Grippe, Influenza, Headache, and Like Ailments.

Claims use since Feb. 12, 1925.

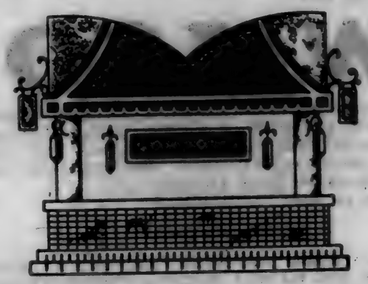
Ser. No. 211,203. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ARNOLD B. FOGLE, doing business as Fogle Spark Plug Manufacturing Company, Shelbyville, Ind. Filed Mar. 18, 1925.

GUIDE

Particular description of goods.—Spark Plugs.

Claims use since Jan. 1, 1925.

Ser. No. 211,205. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GORDON FRUIT PRODUCTS INC., Los Angeles, Calif. Filed Mar. 18, 1925.



Exclusive rights to the surname "Gordon's" are hereby disclaimed apart from the mark as shown in the drawing. The upper part of the drawing is lined to indicate a blue color.

Particular description of goods.—Table Sirups, Flavoring Extracts for Foods; Fruit Juices—Namely, Orange Juice for Food Purposes and Lemon Juice for Food Purposes; Honey, Marmalade, Jam, Fruit Butter, Glacé or Crystalized Fruit, Candy, Ice Cream, Sherbet, Ices; Essential Oils for Food-Flavoring Purposes, in Particular Orange Oil, Lemon Oil; Fruit Pectin.

Claims use since Nov. 20, 1924.

Ser. No. 211,271. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) INTER-OCEAN RADIO CORPORATION, Jersey City, N. J. Filed Mar. 19, 1925.

OPEROLA

Particular description of goods.—Sound-Amplifying Horns for Radio Loud Speakers.

Claims use since January, 1924.

Ser. No. 211,276. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KOLIDE LABORATORIES, INC., New York, N. Y. Filed Mar. 19, 1925.

IKDL

Particular description of goods.—Medicinal Preparation—Namely, an Iodine Colloid for the Treatment of Hardening of the Arteries, High Blood Pressure, Goiter, Obesity, Rheumatism, Neuritis, Sciatica, Lumbago, Anæmia, Run-Down Condition, and Kindred Ailments.

Claims use since Feb. 21, 1925.

Ser. No. 211,280. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN W. LIMBERT, doing business as The Nutwheat Milling Co., Muncie, Ind. Filed Mar. 19, 1925.



No claim being made to exclusive use of the word "Wheat" aside from the mark shown.

Particular description of goods.—Breakfast Cereal Food.

Claims use since Oct. 7, 1924.

Ser. No. 211,347. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE FEDERAL GAUGE CO., Chicago, Ill. Filed Mar. 20, 1925.



Drawing comprises green color of the fabric covering of the wire in combination with the yellow color of a narrow ring of fabric surrounding one end of the conductor wire, as shown in the drawing.

Particular description of goods.—Lead Wires for Electrical Connections to Mercury-Tube Switches.

Claims use since January, 1922.

Ser. No. 211,370. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) NATIONAL SEWING MACHINE COMPANY, Belvidere, Ill. Filed Mar. 20, 1925.



The word "Stitchwell" is hereby disclaimed apart from the other features of the mark as shown, without, however, relinquishing applicant's common-law rights in said word.

Particular description of goods.—Sewing Machines.

Claims use since Dec. 8, 1902.

Ser. No. 211,395. (CLASS 11. INKS AND INKING MATERIALS.) WALLERUNH, KLING & CO., Chicago, Ill. Filed Mar. 20, 1925.



No claim is made to the words "Perfect Pen Ink" apart from the other features of the mark shown in the drawing.

Particular description of goods.—Card-Writing Ink.

Claims use since about July 1, 1916.

Ser. No. 211,397. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WEST KENTUCKY COAL COMPANY, Newark, N. J.; Louisville, Earlington, Madisonville, Sturgis, and Paducah, Ky.; Cedar Rapids, Iowa; Madison, Wis.; Evansville and New Albany, Ind.; Nashville and Memphis, Tenn. Filed Mar. 20, 1925.



Particular description of goods.—Coal.

Claims use since Jan. 1, 1900.

Ser. No. 211,403. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, Pittsburgh, Pa. Filed Mar. 21, 1925. Under ten-year proviso.

UNITED STATES IRON

Particular description of goods.—Rolled Iron and Steel.

Claims use since Apr. 1, 1892.

Ser. No. 211,404. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, Pittsburgh, Pa. Filed Mar. 21, 1925. Under ten-year proviso.

CLYDE IRON

Particular description of goods.—Rolled Iron and Steel.

Claims use since Apr. 1, 1892.

Ser. No. 211,405. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) MCCLEANE BROWN, Pittsburgh, Pa. Filed Mar. 21, 1925. Under ten-year proviso.

SOHO IRON

Particular description of goods.—Rolled Iron and Steel.

Claims use since Apr. 1, 1892.

Ser. No. 211,406. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) McCLEANE BROWN, Pittsburgh, Pa. Filed Mar. 21, 1925. Under ten-year proviso.

WAYNE IRON

Particular description of goods.—Rolled Iron and Steel.
Claims use since Apr. 1, 1892.

Ser. No. 211,424. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed Mar. 21, 1925.

California Belle

All rights to the exclusive use of the geographical word "California" are hereby disclaimed apart from the mark as shown from the drawing.
Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since 1905.

Ser. No. 211,427. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLANKINTON PACKING COMPANY, Milwaukee, Wis. Filed Mar. 21, 1925.



The lining of the drawing indicates the colors green and blue. The exclusive right to the use of the term "Willowdale" is disclaimed apart from the other features of the mark.
Particular description of goods.—Butter.
Claims use since June 1, 1914.

Ser. No. 211,442. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) KIRSCH MANUFACTURING COMPANY, Sturgis, Mich. Filed Mar. 21, 1925.



Particular description of goods.—Metal Curtain Rods and Attachments Therefor.
Claims use since Feb. 19, 1925.

Ser. No. 211,455. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) M. B. BRYANT & CO. INC., New York, N. Y. Filed Mar. 23, 1925.

ROSEBOWER

Particular description of goods.—Wedding Rings, Scarf Rings, and Finger Rings.
Claims use since Mar. 16, 1925.

Ser. No. 211,456. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) M. B. BRYANT & CO. INC., New York, N. Y. Filed Mar. 23, 1925.

HEARTBOWER

Particular description of goods.—Wedding Rings, Scarf Rings, and Finger Rings.
Claims use since Mar. 14, 1925.

Ser. No. 211,464. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill. Filed Mar. 23, 1925.

BALLOON

Particular description of goods.—Radio Receiving Sets, Loud Speakers and Units, Tuning Units, Transformers, Plugs, Variable Condensers, Jacks, Dials, and Sockets.
Claims use since Dec. 5, 1924.

Ser. No. 211,513. (CLASS 38. PRINTS AND PUBLICATIONS.) AMERICAN STOVE COMPANY, St. Louis, Mo. Filed Mar. 24, 1925.

MAGIC CHEF

"Magic Chef."
Particular description of goods.—Publication Issued Monthly.
Claims use since September, 1920.

Ser. No. 211,521. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) FRANK W. DUNNE CO., Oakland, Calif. Filed Mar. 24, 1925.



Applicant disclaims exclusive right to the use of the words "Frank W. Dunne Co. Makers of Good Paint" apart from the mark as shown.

Particular description of goods.—Ready-Mixed Paints, Paint Enamels, Varnishes, Colors in Oil, Shingle Stains, Putty, Paste Undercoater for Enamels, Cement Paint, Flat Wall Paint, Enamel Undercoater Liquid, Paste Oil Paint, White Lead, Zinc in Oil, Fire-Retardant Paint.
Claims use since Apr. 14, 1924.

Ser. No. 211,523. (CLASS 15. OILS AND GREASES.) FELLOWS GASOLINE COMPANY, Los Angeles, Calif. Filed Mar. 24, 1925.



Particular description of goods.—Petroleum Products—viz, Gasoline, Engine Distillate, Stove Distillate, Furnace Distillate, Diesel-Engine Distillate, Kerosene, Benzine, Gas Oil, Fuel Oil, Lubricating Oils, Lubricating Greases, and Crude Oil.
Claims use since June 15, 1923.

Ser. No. 211,614. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM PRENTISS, Jr., doing business as California Almond Confections Company, Long Beach, Calif. Filed Mar. 25, 1925.

PIONEER OF GOOD ALMOND CANDIES

The words "Of Good Almond Candies" are disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Nuts—Namely, Almonds; Candies; Confections—Namely, Candied and Chocolate-Coated Nuts.
Claims use since July, 1924.

Ser. No. 211,647. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WIRELESS RADIO CORPORATION, New York, N. Y. Filed Mar. 25, 1925.



Particular description of goods.—Radio Receiving Sets and Radio Parts—Namely, Condensers, Loud Speakers, Transformers, Jacks, Resistance Coils, Tube Sockets, Rheostats, Disks, Battery Switches, Binding Posts, and Battery Terminals.
Claims use since Jan. 1, 1925.

Ser. No. 211,648. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) WIRELESS RADIO CORPORATION, New York, N. Y. Filed Mar. 25, 1925.



No claim is made to the words "Low Loss."
Particular description of goods.—Radio Receiving Sets and Radio Parts—Namely, Condensers.
Claims use since Jan. 1, 1925.

Ser. No. 211,680. (CLASS 12. CONSTRUCTION MATERIALS.) GULF CONCRETE PIPE COMPANY, Houston, Tex. Filed Mar. 26, 1925.

HU-STONE

The use of the word "Stone" is disclaimed apart from the mark as shown.
Particular description of goods.—Concrete Pipe, Tile, and Building Blocks.
Claims use since Jan. 5, 1925.

Ser. No. 211,730. (CLASS 39. CLOTHING.) WOLSEY LTD., Leicester, England. Filed Mar. 26, 1925.

EXPANDEX

Particular description of goods.—Articles of Clothing—viz, Hosiery, Undershirts, Pants, Combination Shirt and Pants, Underdrawers, Union Suits, Cardigan Jackets, Undercoats, Jerseys, Gloves, Mittens, Sweaters, Jumpers, Work Shirts, Negligee Shirts, Dress Shirts, Vests, Petticoats, Underskirts, Dress Skirts, Bodices, Pelisses, Bloomers, Knickers, Blouses, Aprons, Knitted Coats, Knitted Leggings, Garters, Outer Coats, Cloaks, Capes, Trousers, Waistcoats, Sleeping Gowns and Suits, Corsets, Boys' and Girls' Jersey Suits, Bathing Suits and Costumes, Overalls, Mufflers, Scarfs, Shawls, All Made of Knitted or Textile Fabric, for Men, Women, and Children.
Claims use since Nov. 6, 1924.

Ser. No. 211,744. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE JAMES A. HARPER SUPPLY CO., Kansas City, Mo. Filed Mar. 27, 1925.



No claim is made to the words "Kake Mix" apart from the mark as shown in the drawing.
Particular description of goods.—Cake Flavoring and Leavening Mixture, Dry.
Claims use since December, 1924.

Ser. No. 211,750. (CLASS 1. RAW OR PARTLY PREPARED MATERIALS.) WALTER S. KRAUS, doing business as The Treecraft Co., New York, N. Y. Filed Mar. 27, 1925.

TREECRAFT

Particular description of goods.—Evergreens, Trees, Shrubs, Grass, and Flowers.
Claims use since November, 1923.

Ser. No. 211,765. (CLASS 39. CLOTHING.) STEIN BROTHERS, Williamsport, Pa. Filed Mar. 27, 1925.

CHESTOVER

Particular description of goods.—Clothing consisting of Coats, for Men, Women, and Children; Vests, Pants, Knickerbockers, for Men, Women, and Children; Shirts of All Kinds and of All Fabrics, and Overalls.
Claims use since January, 1912.

Ser. No. 211,788. (CLASS 2. RECEPTACLES.) THE KALBFLEISCH CORPORATION, New York, N. Y. Filed Mar. 28, 1925.

The DREADNAUGHT

Particular description of goods.—Carboys.
Claims use since Jan. 20, 1925.

Ser. No. 211,818. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLICH AND COMPANY, New Orleans, La. Filed Mar. 28, 1925.

JUPITER

Particular description of goods.—Rice.
Claims use since May 14, 1924.

Ser. No. 211,819. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLICH AND COMPANY, New Orleans, La. Filed Mar. 28, 1925.

SNOW QUEEN

Particular description of goods.—Rice.
Claims use since May 14, 1924.

Ser. No. 211,823. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) BAY CITY BEVERAGE CO., Bay City, Mich. Filed Mar. 30, 1925. Under ten-year proviso.

The Finest

Particular description of goods.—A Malt Cereal Beverage.
Claims use since Dec. 2, 1884.

Ser. No. 211,846. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAWKEYE PRODUCE COMPANY, Chariton, Iowa. Filed Mar. 30, 1925.

HAWKEYE BRAND IOWAS

The descriptive word "Brand" and the geographical word "Iowas" are disclaimed apart from the other features of the mark.
Particular description of goods.—Eggs.
Claims use since Feb. 14, 1925.

Ser. No. 211,872. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE SHELLOID CO., Providence, R. I. Filed Mar. 30, 1925.

SHECO

Particular description of goods.—Finishes Possessing the Character of Enamel.
Claims use since on or about Feb. 1, 1925.

Ser. No. 211,907. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LUZ CORIÁN DESMOND, El Paso, Tex. Filed Mar. 31, 1925.

Mme. DESMOND



The name "Mme. Desmond" is not claimed apart from the other features of the mark, the mark consisting of my name and portrait.
Particular description of goods.—Preparation for Baldness, Gray Hair, and Wrinkles.
Claims use since Nov. 13, 1923.

Ser. No. 211,939. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE MASTER BUILDERS COMPANY, Cleveland, Ohio. Filed Mar. 31, 1925.

MASTER BUILDERS

Particular description of goods.—Dry, Paste, and Ready-Mixed Paints and Paint Enamels, Coloring Pigments, and Paint Oils.
Claims use since 1900.

Ser. No. 211,958. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) MORRIS SUSSER, New York, N. Y. Filed Mar. 31, 1925.

MAND-O-COON

Drawing consists of the word "Mand-O-Coon." No claim is made to the exclusive use of the word "Coon" apart from the mark as shown in the drawing.
Particular description of goods.—Dressed Furs.
Claims use since Feb. 5, 1925.

Ser. No. 211,977. (CLASS 12. CONSTRUCTION MATERIALS.) CINCRETE, INC., Clarksburg, W. Va. Filed Apr. 1, 1925.

CINCRETE

Particular description of goods.—Concrete Cinder Blocks, Tiles, and Other Cinder Concrete Products, Materials, and Supplies.
Claims use since Mar. 28, 1925.

Ser. No. 211,982. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DALLAS MANUFACTURING CO., Huntsville, Ala. Filed Apr. 1, 1925. Under ten-year proviso.

WILTON

Drawing consists of the word "Wilton."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1893.

Ser. No. 211,983. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DALLAS MANUFACTURING CO., Huntsville, Ala. Filed Apr. 1, 1925. Under ten-year proviso.

RUGBY

Drawing consists of the word "Rugby."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1893.

Ser. No. 211,984. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE DALLAS MANUFACTURING CO., Huntsville, Ala. Filed Apr. 1, 1925. Under ten-year proviso.

DALLAS M'F'G CO.

Drawing consists of the words "Dallas M'F'G Co."
Particular description of goods.—Cotton Piece Goods.
Claims use since about 1893.

Ser. No. 211,987. (CLASS 39. CLOTHING.) HERMAN B. DELMAN, New York, N. Y. Filed Apr. 1, 1925.

DELMAN SHOE SALON



The words "Delman" and "Shoe Salon" are disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Shoes Made of Leather, Rubber, or Fabric or Combinations Thereof, and Hosiery.
Claims use since April, 1922.

Ser. No. 211,991. (CLASS 39. CLOTHING.) THE ENRO SHIRT CO., INC., Louisville, Ky. Filed Apr. 1, 1925.

SPORTSTER

Particular description of goods.—Sport Shirts.
Claims use since August, 1924.

Ser. No. 212,005. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE KOHINOOR COMPANY, Providence, R. I. Filed Apr. 1, 1925.

The Everlasting Finish
EVERLAC

The phrase "The Everlasting Finish" is disclaimed except as shown.
Particular description of goods.—Pyroxylin Lacquers, Pyroxylin Thinners, Knifing Compounds, and Varnishes.
Claims use since Mar. 28, 1925.

Ser. No. 212,007. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) Lockwood Co., Waterville, Me. Filed Apr. 1, 1925. Under ten-year proviso.



Particular description of goods.—Cotton Piece Goods.
Claims use since about 1874.

Ser. No. 212,008. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) Lockwood Co., Waterville, Me. Filed Apr. 1, 1925.

CAST IRON

Particular description of goods.—Cotton Piece Goods.
Claims use since about 1884.

Ser. No. 212,009. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) Lockwood Co., Waterville, Me. Filed Apr. 1, 1925. Under ten-year proviso.

LOCKWOOD CO.

Particular description of goods.—Cotton Piece Goods.
Claims use since about 1874.

Ser. No. 212,015. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIDNEY E. MAY, Chicago, Ill. Filed Apr. 1, 1925.



Particular description of goods.—Chocolates and Candies.
Claims use since Mar. 6, 1925.

Ser. No. 212,098. (CLASS 37. PAPER AND STATIONERY.) THE PAPER NOVELTY COMPANY, Green Bay, Wis. Filed Apr. 2, 1925.



The crosshatching on the drawing is used merely for shading. The word "Brand" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Paper Napkins.
Claims use since Aug. 1, 1920.

Ser. No. 212,116. (CLASS 45. BEVERAGES, NONALCOHOLIC.) ANTON V. ALTMANN, Jr., Syracuse, N. Y. Filed Apr. 3, 1925.

DRY ROCK

No claim is made to the word "Dry" apart from the mark shown on the drawing.
Particular description of goods.—Nonalcoholic, Nonccreal, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since January, 1923.

Ser. No. 212,131. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ANNA FITZGERALD, Waterbury, Conn. Filed Apr. 3, 1925.

An-Fitz

Particular description of goods.—Liquid Wash for Open Sores, Eczema, Mortifying Sores, and as a Gargle for Diphtheria and Sore Throats.
Claims use since Mar. 26, 1925.

Ser. No. 212,166. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) AUGUST H. WUNDERLIN, doing business as A. H. Wunderlin Company, Fort Wayne, Ind. Filed Apr. 3, 1925.

NIGHT-HAWK

Particular description of goods.—Artificial Fish Baits.
Claims use since Sept. 20, 1924.

Ser. No. 212,282. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT CANNON, doing business as Cannon Confectionery Company, Burlington, Vt. Filed Apr. 6, 1925.



No claim being made to the words "Cannon" and "Suckers" apart from the other features of the mark shown in the drawing.
Particular description of goods.—Candy Suckers or Lollipops.
Claims use since 1918.

Ser. No. 212,258. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE HOLLAND VARNISH COMPANY, LIMITED, Montreal, Quebec, Canada. Filed Apr. 6, 1925.

Varlac

Particular description of goods.—Paints of All Kinds, Paint Oils, Paint Enamels, Varnishes, Spirit Varnishes, Combinations of Spirit Varnishes and Gums, Lacquers, Stains for Painters' Use, Washes in the Nature of a Paint or Polish for Wooden Surfaces or Automobiles, Finishes for Painters' Use, Oil Colors, Japan Colors, Distemper Colors, Varnish Colors, Fillers for Painters' Use, Turpentine, Prepared Shellac, Zinc Whites, Flat Whites, Driers for Painters' Use, Japans, Calcimine, Floor Wax, Putty, Whiting, Lead Pigments, Paint and Varnish Removers, Automobile and Furniture Polishes.
Claims use since 1923.

Ser. No. 212,286. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE NEW YORK APPETIZER COMPANY, Cleveland, Ohio. Filed Apr. 6, 1925.

APPETIZER

Particular description of goods.—Sturgeon, Bloaters, White Fish, Carp, Mackerel, Butterfish, Salmon, Trout, Herring; Russian Sardines and Anchovies in Dried, Smoked, and Salted Condition; Pickled Tomatoes, Pickled Apples, Pickles, Olives, Pickled Cabbage, Sauerkraut, Green and Hot Peppers, Caviar, and Brinza Cheese.
Claims use since Feb. 4, 1925.

Ser. No. 212,320. (CLASS 39. CLOTHING.) CARO & COMPANY INC., New York, N. Y. Filed Apr. 7, 1925.



The word "Brand" appearing on the drawing is disclaimed apart from the mark shown.
Particular description of goods.—Ladies' Kimonos, House Dresses, House Aprons, Bungalow Aprons; Men's, Women's, and Children's Bath Robes.
Claims use since Jan. 1, 1921.

Ser. No. 212,334. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HELEN LUCILLE JONES, New York, N. Y. Filed Apr. 7, 1925.

Mrs Wiley's
Farmhouse Marmalade

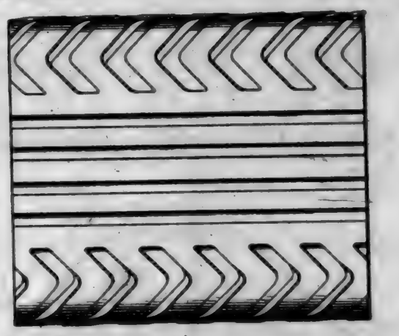
The name "Mrs. Wiley's" and the word "Marmalade" are disclaimed apart from the other features of the mark.
Particular description of goods.—Marmalade.
Claims use since Jan. 9, 1925.

Ser. No. 212,347. (CLASS 39. CLOTHING.) PEERLESS SWEATER MILLS, INC., New York, N. Y. Filed Apr. 7, 1925.

BIG BOY

Particular description of goods.—Knitted Dresses, Sweaters, and Suits for Men, Women, and Children.
Claims use since Jan. 1, 1925.

Ser. No. 212,393. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE MILLER RUBBER COMPANY, Akron, Ohio. Filed Apr. 8, 1925.



Particular description of goods.—Pneumatic Tires.
Claims use since Jan. 22, 1924.

Ser. No. 212,402. (CLASS 37. PAPER AND STATIONERY.) W. A. SHEAFFER PEN CO., Fort Madison, Iowa. Filed Apr. 8, 1925.

Radite

Particular description of goods.—Pens and Pencils.
Claims use since Dec. 1, 1924.

Ser. No. 212,459. (CLASS 39. CLOTHING.) SHEPARD NORWELL COMPANY, Boston, Mass. Filed Apr. 9, 1925.

Ranleigh

Particular description of goods.—Gents' Furnishings—Namely, Cravats, Scarfs, Mufflers, Collars, Robes, House Coats; Gloves of Leather, Fabric, or Combinations Thereof; Belts for Personal Wear, Suspenders; Dress, Negligee, and Work Shirts, Nightshirts, Pyjamas, Bathing Suits, Sweaters, Golf Hose, Regular Half Hose, Underwear of Knitted and Textile Fabric, Raincoats, Knickers, Caps, Hats, and Waistcoats.
Claims use since Sept. 1, 1924.

Ser. No. 212,473. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ATLANTIC MILLS, Olneyville, Providence, R. I. Filed Apr. 10, 1925.

JULIA SHEEN

No claim is made to the word "Sheen."
Particular description of goods.—Worsted Piece Goods.
Claims use since Apr. 1, 1925.

Ser. No. 212,491. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) HAVANA MANUFACTURING COMPANY, Havana, Ill. Filed Apr. 10, 1925.

HAVASHARE

No exclusive claim is made to the word "Share" apart from the mark as shown in the drawing.
Particular description of goods.—Plowshares, Lister Shares, Middle-Breaker Shares, Cultivator Shovels, and Agricultural Steel Shapes.
Claims use since Jan. 29, 1925.

Ser. No. 212,505. (CLASS 39. CLOTHING.) REPUBLIC KNITTING MILLS, INC., Brooklyn, N. Y. Filed Apr. 10, 1925.

RepashaKloth

The word "Kloth" is disclaimed apart from the mark shown on the drawing.
Particular description of goods.—Knitted Sweaters, Suits, and Dresses for Women.
Claims use since Feb. 3, 1925.

Ser. No. 212,507. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) RICHARD S. ROWSOME, Detroit, Mich. Filed Apr. 10, 1925.



No claim is made for the words "and" or "Polish" apart from the mark shown.
Particular description of goods.—Automobile and Furniture Polish.
Claims use since Feb. 16, 1925.

Ser. No. 212,556. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE JORDAN MACHINE TOOL COMPANY, Minneapolis, Minn. Filed Apr. 11, 1925.

Jiffy Jordan

No claim is made to the word "Jordan" apart from the mark as shown.
Particular description of goods.—Machine Tools—Namely, Cylinder-Boring Machines.
Claims use since July 1, 1924.

Ser. No. 212,569. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) EUGENE E. NICE COMPANY, Philadelphia, Pa. Filed Apr. 11, 1925.

NEEO-KOTE

Drawing consists of the word "NeeoKote."
Particular description of goods.—Paints of All Kinds.
Claims use since October, 1919.

Ser. No. 212,594. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y. Filed Apr. 13, 1925.



No claim is made to the exclusive right to use the word "Kraft" apart from the mark shown.
Particular description of goods.—Paper Towels.
Claims use since Apr. 3, 1925.

Ser. No. 212,595. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE CREAM STORE, INC., Portland, Oreg. Filed Apr. 13, 1925.

Kiddie GOODIES

"Goodies" for the purpose of this application is hereby disclaimed.
Particular description of goods.—Candies.
Claims use since Mar. 2, 1925.

Ser. No. 212,607. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) GREAT NORTHERN MFG. CO., Chicago, Ill. Filed Apr. 13, 1925.

QUALITY BRAND

No claim is made to the words "Quality Brand" or either of them apart from the mark shown in the drawing.
Particular description of goods.—Knives, Forks, Spoons, Spatulas, Scissors, and Shears, All of Base Metal.
Claims use since Dec. 1, 1924.

Ser. No. 212,655. (CLASS 25. LOCKS AND SAFES.) THE S. H. THOMSON MANUFACTURING CO., Dayton, Ohio. Filed Apr. 13, 1925.

SIMPLOX

Particular description of goods.—Radiator Caps Equipped with Locks.
Claims use since Mar. 13, 1925.

Ser. No. 212,656. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TOKALON CHEMICAL CORPORATION, New York, N. Y. Filed Apr. 13, 1925.



Particular description of goods.—Medicinal Salts.
Claims use since Mar. 19, 1925.

Ser. No. 212,668. (CLASS 39. CLOTHING.) BERLINER, STRAUSS & MEYER, INC., New York, N. Y. Filed Apr. 14, 1925.

SCOT-O-ROY

Particular description of goods.—Scarfs and Neckties.
Claims use since Mar. 10, 1925.

Ser. No. 212,684. (CLASS 39. CLOTHING.) GREENBERG, GALLEN & CO., INC., New York, N. Y. Filed Apr. 14, 1925.

EVERSMART CLOTHES

No claim is made to the word "Clothes" apart from the mark shown in the drawing.
Particular description of goods.—Coats, Suits, Vests, Trousers, Overcoats, and Raincoats for Men, Youths, and Boys.
Claims use since Apr. 1, 1925.

Ser. No. 212,697. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) THE POWHATAN SPRING WATER CO., Bridgeport, Conn. Filed Apr. 14, 1925.

Powhatan

Particular description of goods.—Distilled Water, Spring Water, and Nonalcoholic, Maltless Carbonated Beverages Sold as Soft Drinks.
Claims use since the year 1905.

Ser. No. 212,708. (CLASS 39. CLOTHING.) PRINCESS NINA ZIZIANOFF, doing business as Princess Z, New York, N. Y. Filed Apr. 14, 1925.



PRINCESS Z.

Particular description of goods.—Ladies' Garments—Namely, Coats, Wraps, Suits, Dresses, Costumes, Frocks, Underwear Consisting of Knitted or Textile Fabric, Lingerie, and Hats.
Claims use since Apr. 5, 1925.

Ser. No. 212,709. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALLEN-HURD COMPANY, Boston, Mass. Filed Apr. 15, 1925.



FANEUIL HALL BRAND

No claim is made to the word "Brand" and "Allen-Hurd Company" apart from the mark as shown on the drawing.
Particular description of goods.—Fresh Celery.
Claims use since about December, 1892.

Ser. No. 212,710. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ALPS DRUG CO., INC., New York, N. Y. Filed Apr. 15, 1925.



The lining on drawing does not indicate any special color. No claim is made to the words "Migone & Ci," "Profumieri," "Milano," "Via Orefici," and "Marca Depositata" apart from the mark shown on the drawing.
Particular description of goods.—Perfumery, Hair Tonic, and Face Powder.
Claims use since May 21, 1913.

Ser. No. 212,740. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK LIBERTO & CO., San Antonio, Tex. Filed Apr. 15, 1925.

OUR CITY

Particular description of goods.—Castor Oil, Ammonia, and Bluing.
Claims use since about Oct. 16, 1924.

Ser. No. 212,758. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SMITH-McCORD-TOWNSEND DRY GOODS CO., Kansas City, Mo. Filed Apr. 15, 1925.



Dolly Prints

No claim is made to the word "Prints" apart from the mark as shown on the drawing.
Particular description of goods.—Fancy Printed Cotton Pongee Fabrics.
Claims use since Mar. 10, 1925.

Ser. No. 212,772. (CLASS 39. CLOTHING.) WYMAN, PARTRIDGE & CO., Minneapolis, Minn. Filed Apr. 15, 1925.

OVERNIC

Particular description of goods.—Knickers and Long Coats.
Claims use since Apr. 10, 1925.

Ser. No. 212,779. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT COMPANY, Philadelphia, Pa. Filed Apr. 16, 1925.

"HEX-LOCK"

Particular description of goods.—Shingles.
Claims use since Jan. 23, 1925.

Ser. No. 212,789. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ENSIGN COMPANY, Battle Creek, Mich. Filed Apr. 16, 1925.

THE ENSIGN REMEDIES

No claim is made to the exclusive right to use the word "Remedies" apart from the mark as shown in the drawing. "The Ensign Remedies" printed upon the representation of a flag or ensign, as shown in the accompanying drawing.
Particular description of goods.—Medicines for the Treatment of Abnormal Conditions of the Respiratory System, the Sexual Organs, the Veins and Arteries, the Breasts, the Head, the Mind, the Back and Spine, the Nerves, Heart, Assimilation, the Bones, Skin, Throat, Alimentary Tract, the Urinary Tract, the Glands, Also for Disorders Affecting Sleep, for Abnormal Growths, Injuries, for Fevers and Sweats, and for Drug Habits.
Claims use since Oct. 3, 1903.

Ser. No. 212,822. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) MCQUAY RADIATOR CORPORATION, St. Paul, Minn. Filed Apr. 16, 1925.

Soothers

Particular description of goods.—Rebound Checks and Snubbers.
Claims use since Mar. 28, 1925.

Ser. No. 212,834. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK L. SLAZENGER CORPORATION, New York, N. Y. Filed Apr. 16, 1925. Under ten-year proviso.

Slazengers

Particular description of goods.—Golf Clubs, Golf-Club Heads, Golf Balls, Golf Bags, Tennis Rackets, Tennis Balls, Tennis Marking Tapes, Tennis Grips, Tennis Presses, Squash Rackets, Shuttlecocks, Field Hockey Balls, Croquet Sets, Croquet Mallets, Cricket Bats, Lawn Bowls, and Footballs.
Claims use since the year 1886.

Ser. No. 212,840. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WARE SHOALS MFG. CO., Ware Shoals, S. C., and New York, N. Y. Filed Apr. 16, 1925.



The word "Blueberry" is printed in black, the blueberries are shown in their natural color as nearly as possible, and the leaves are in green, all as indicated in the drawing upon which the trade-mark is shown.
Particular description of goods.—Cotton Piece Goods.
Claims use since June 1, 1924.

Ser. No. 212,847. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) THE AMERICAN CRAYON COMPANY, Sandusky, Ohio. Filed Apr. 17, 1925.

OMODELO

Particular description of goods.—Plastic Modeling Material.
Claims use since Mar. 15, 1925.

Ser. No. 212,850. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JACOB S. BERLINER, New York, N. Y. Filed Apr. 17, 1925.

TOWELETTES

Particular description of goods.—Cold-Cream-Impregnated Tissue.
Claims use since Mar. 23, 1925.

Ser. No. 212,869. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM W. SPROUL, doing business as Northland Farms, Grand Rapids, Mich. Filed Apr. 17, 1925.

NORTHLAND FARMS

Particular description of goods.—Live Chicks and Eggs.
Claims use since Mar. 2, 1916.

Ser. No. 212,883. (CLASS 45. BEVERAGES, NONALCOHOLIC.) BOHEMIAN DISTRIBUTING CO. INC., Los Angeles, Calif. Filed Apr. 18, 1925.

ROYAL CREST

Particular description of goods.—Nonalcoholic, Maltless Beverages Sold as Soft Drinks and Sirups for Making the Same.
Claims use since 1915.

Ser. No. 212,888. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHIKNUT CORPORATION, Brooklyn, N. Y. Filed Apr. 18, 1925.

CHIKNUT

Particular description of goods.—Pure Vegetable Fat for Cooking.
Claims use since about Jan. 1, 1925.

Ser. No. 212,890. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CONSOLIDATED TEA CO. INC., New York, N. Y. Filed Apr. 18, 1925.



Applicant disclaims the right to the exclusive use of the word "Tea" apart from the mark as shown.
Particular description of goods.—Tea.
Claims use since January, 1925.

Ser. No. 212,945. (CLASS 45. BEVERAGES, NONALCOHOLIC.) O-KOLA COMPANY, Cincinnati, Ohio. Filed Apr. 18, 1925.

O-KOLA

The exclusive right to the use of the word "Kola" alone is not claimed except as shown in the accompanying drawing.
Particular description of goods.—Nonalcoholic, Maltless Sirup Used in the Preparation of Soft Drinks.
Claims use since Dec. 5, 1924.

Ser. No. 212,949. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925.

TOWER MILLS

No claim is made to the exclusive use of the word "Mills" apart from the mark as shown in the drawing, the drawing consisting of the words "Tower Mills."
Particular description of goods.—Cotton Piece Goods.
Claims use since 1906.

Ser. No. 212,956. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925.



RAPID-FIRE

Drawing consists of the words "Rapid Fire" and the representation of two men wheeling a field piece.
Particular description of goods.—Cotton Piece Goods.
Claims use since 1895.

Ser. No. 212,957. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) PACOLET MFG. CO., Pacolet and Spartanburg, S. C., and New Holland, Ga. Filed Apr. 18, 1925.



BUCKS HEAD

"Bucks Head" and the representation of a deer head.
Particular description of goods.—Cotton Piece Goods.
Claims use since 1884.

Ser. No. 212,962. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PINKHAM HOLDINGS CO., Los Angeles, Calif. Filed Apr. 18, 1925.



The surname "Pinkham" and the descriptive word "Grapes" are hereby disclaimed apart from the other features of the mark.
Particular description of goods.—Fresh Grapes.
Claims use since August, 1924.

Ser. No. 212,968. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) SCHWARTZ BROS., Philadelphia, Pa. Filed Apr. 18, 1925.

DEFENDER

Particular description of goods.—Portable Chemical Fire Extinguishers.
Claims use since Feb. 2, 1925.

Ser. No. 212,996. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) THE BUCKEYE PAINT & VARNISH CO., Toledo, Ohio. Filed Apr. 20, 1925.

PEAK WHITE

The exclusive right to the use of the word "White" apart from the remainder of the mark is disclaimed.
Particular description of goods.—Paste Paint.
Claims use since January, 1925.

Ser. No. 213,004. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CENTRAL SCIENTIFIC COMPANY, Chicago, Ill. Filed Apr. 20, 1925.

CENCO CERTIFIED CHEMICALS

The use per se of the words "Certified" and "Chemicals" is disclaimed.

Particular description of goods.—Chemical Reagents.

Claims use since July, 1922.

Ser. No. 213,027. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) MURPHY VARNISH COMPANY, Newark, N. J. Filed Apr. 20, 1925.

MURLOX

Particular description of goods.—Paints of All Kinds and Varnishes.

Claims use since Mar. 15, 1925.

Ser. No. 213,066. (CLASS 37. PAPER AND STATIONERY.) HERMAN DEUTSCH, New York, N. Y. Filed Apr. 21, 1925.

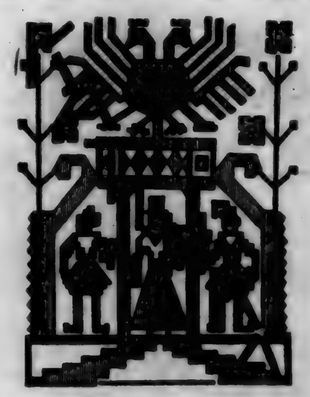
First Aid to Clear Vision
—LENZO—
10¢ 10¢
EYEGLASS WIPER
100% Better than a Handkerchief

No claim is made to the writing appearing on the drawing except to the word "Lenzo" apart from the mark shown on the drawing.

Particular description of goods.—Eyeglass Wiper Made of Textile Material.

Claims use since February, 1925.

Ser. No. 213,072. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) EUROPEAN FABRIC CORPORATION, New York, N. Y. Filed Apr. 21, 1925.



The drawing is lined to show the design on the label in the color red and the word "Katinka" in black.

Particular description of goods.—Silks, Brocades, and Velvets in the Piece.

Claims use since Mar. 1, 1925.

Ser. No. 213,102. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SAL-I-O COMPANY, Le Roy, N. Y. Filed Apr. 21, 1925.

SAL-I-O

Particular description of goods.—Table Salt Containing Iodine.

Claims use since Apr. 10, 1925.

Ser. No. 213,107. (CLASS 37. PAPER AND STATIONERY.) WOOTTON & DYE, Plano and Dallas, Tex. Filed Apr. 21, 1925.

R-R
READY REFERENCE

The words "Ready Reference" appearing on the drawing are disclaimed apart from the mark as shown.

Particular description of goods.—Telephone Reference Cards.

Claims use since Jan. 1, 1925.

Ser. No. 213,120. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVIS & BENNETT, INC., Worcester, Mass. Filed Apr. 22, 1925.

VYSOLE

Particular description of goods.—Aqueous Wax Dispersions Used for Thread Lubricants and Other Purposes.

Claims use since on or about Jan. 13, 1925.

Ser. No. 213,140. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) NEW ENGLAND MICA CO., Waltham, Mass. Filed Apr. 22, 1925.

Y-26

Particular description of goods.—Mica Insulating Units—Comprising Layers of Mica Joined by a Binder and Thereafter Cut Into Different Shapes, Particularly for Use as Insulation in Electric Heating Devices.

Claims use since Mar. 15, 1922.

Ser. No. 213,168. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Apr. 23, 1925.

KASHMELLO

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.

Claims use since Apr. 1, 1925.

Ser. No. 213,170. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GOLDING FABRICS CORPORATION, New York, N. Y. Filed Apr. 23, 1925.

OTTOLAINE

Particular description of goods.—Piece Goods Made of Silk, Artificial Silk, Wool, Cotton, Linen, and Mixtures Thereof.

Claims use since Apr. 1, 1925.

Ser. No. 213,172. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SIGMUND L. GOLDMAN, doing business as Red Sun Products Co., Chicago, Ill. Filed Apr. 23, 1925.



The words "Bohemian Type" are disclaimed except in connection with the other features of the mark.

Particular description of goods.—Malt Syrup for Food Purposes.

Claims use since Feb. 18, 1924.

Ser. No. 213,189. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MICHELE PALUMBO, Medford, Mass. Filed Apr. 23, 1925.



Particular description of goods.—Palliative for Paralysis.

Claims use since 1890.

Ser. No. 213,208. (CLASS 38. PRINTS AND PUBLICATIONS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Apr. 23, 1925.

Polarine

Particular description of goods.—Coupon Books.

Claims use since May 22, 1922.

Ser. No. 213,204. (CLASS 38. PRINTS AND PUBLICATIONS.) STANDARD OIL COMPANY, Whiting, Ind., and Chicago, Ill. Filed Apr. 23, 1925.



Particular description of goods.—Coupon Books and Coupons.

Claims use since May 22, 1922.

Ser. No. 213,215. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANHEUSER-BUSCH, INCORPORATED, St. Louis, Mo. Filed Apr. 24, 1925.

Budweiser

Particular description of goods.—Barley-Malt Sirup and Hop-Flavored Barley-Malt Sirup.
Claims use since July 8, 1921, on barley-malt sirup and since Mar. 10, 1925, on hop-flavored barley-malt sirup.

Ser. No. 213,237. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) HANSON BROTHERS SCALE COMPANY, Chicago, Ill. Filed Apr. 24, 1925.

Weigh-Master

Particular description of goods.—Weighing Scales.
Claims use since Jan. 7, 1925.

Ser. No. 213,265. (CLASS 10. FERTILIZERS.) STAUFFER CHEMICAL CO., San Francisco, Calif. Filed Apr. 24, 1925.

SOILIRON

Particular description of goods.—Soil Fertilizer.
Claims use since Jan. 30, 1925.

Ser. No. 213,282. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 25, 1925.



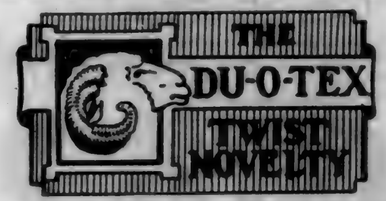
The lining indicates shading and not color, the words "Prize Medal" being disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since Apr. 20, 1925.

Ser. No. 213,283. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 25, 1925.



The lining in the drawing is intended to indicate shading and not color, the words "Multi Twist" being disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since Apr. 20, 1925.

Ser. No. 213,284. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 25, 1925.



The lining in the drawing is for shading and not for color. No claim is made to the words "Twist Novelty" apart from the mark shown.
Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since Apr. 20, 1925.

Ser. No. 213,285. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) DETMER, BRUNER & MASON, INC., New York, N. Y. Filed Apr. 25, 1925.



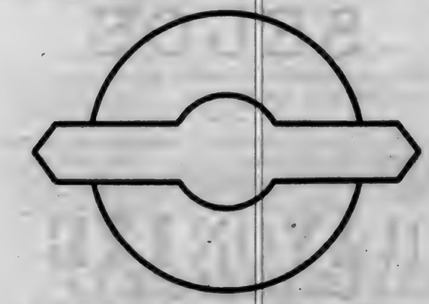
The lining in the drawing is for the purpose of shading and not for color.
Particular description of goods.—Woolen and Worsted Fabrics in the Piece.
Claims use since Apr. 20, 1925.

Ser. No. 213,306. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE JEFFREY MANUFACTURING CO., Columbus, Ohio. Filed Apr. 25, 1925.

MAXLIFE

Particular description of goods.—Rubber Belting.
Claims use since about January, 1921.

Ser. No. 213,307. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) THE JEFFREY MANUFACTURING CO., Columbus, Ohio. Filed Apr. 25, 1925.



Particular description of goods.—Rubber Belting.
Claims use since on or about January, 1921.

Ser. No. 213,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SAN-I-SAL LABORATORIES, INC., Washington, D. C. Filed Apr. 25, 1925.

SAN-I-LAX

Particular description of goods.—Laxatives.
Claims use since Apr. 1, 1925.

Ser. No. 213,368. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES). DIXIE METAL PRODUCTS CO., Birmingham, Ala. Filed Apr. 27, 1925.

DIXIE

Particular description of goods.—Cabinets for Shower Baths.
Claims use since January, 1920.

Ser. No. 213,371. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FRANK H. GREGORY, Bay City, Mich. Filed Apr. 27, 1925.

"REBECCAS"
MARKET BASKET

Particular description of goods.—Card Game.
Claims use since Apr. 6, 1925.

Ser. No. 213,388. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) LEE B. METTLER, doing business as Lee B. Mettler Company, Los Angeles, Calif. Filed Apr. 27, 1925.

RAD-O-FLO

Particular description of goods.—Device for Indicating the Water Level and When the Water is Boiling in Radiators of Automobiles and the Like.
Claims use since Mar. 15, 1925.

Ser. No. 213,426. (CLASS 39. CLOTHING.) BONNER & EDWARDS, New York, N. Y. Filed Apr. 28, 1925.

Skiscarf

Particular description of goods.—Cashmere Mufflers for the Use of Men and Women.
Claims use since Apr. 7, 1925.

Ser. No. 213,441. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FRANK KRONBERG, Mount Angel, Oreg. Filed Apr. 28, 1925.

F-K

Particular description of goods.—Powders to be Fed to Animals for Breeding Purposes and for Correcting Caked Bags in Cows and Other Mammals.
Claims use since Mar. 24, 1925.

Ser. No. 213,465. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIVI, INC., New York, N. Y. Filed Apr. 28, 1925.

VICKY

Particular description of goods.—Face Powders, Face Packs, Face Creams, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorising Preparations, Smelling Salts, Bath Salts, Talcum Powders, and Sachet Powders.
Claims use since Apr. 15, 1925.

Ser. No. 213,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VIVI, INC., New York, N. Y. Filed Apr. 28, 1925.

Sterilated

Particular description of goods.—Face Powders, Face Creams, Face Packs, Toilet Waters, Rouges, Perfumes, Hair Tonics, Hair Oils, Dentifrices, Tooth Powders, Nail Polishes, Deodorizing Preparations, Bath Salts, Smelling Salts, and Sachets.
Claims use since Apr. 5, 1925.

Ser. No. 213,501. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HEMEB & Co., New York, N. Y. Filed Apr. 29, 1925.

CRINTANIA

Particular description of goods.—Essential Oils Suitable for Perfumery Purposes.
Claims use since Dec. 26, 1924.

Ser. No. 213,560. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GEORGE F. BROGGER, doing business as Brogger Sales Company, Chicago, Ill. Filed Apr. 30, 1925.

Re-mo-Rtex



Particular description of goods.—Cloths and Textile Fabrics for the Removal of Cold Cream and Face Lotions.
Claims use since Apr. 23, 1925.

Ser. No. 213,587. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MARCUS & MARCUS, Los Angeles, Calif. Filed Apr. 30, 1925.

ZYMEX

Particular description of goods.—Glandular Preparation in Tablet Form for the Treatment of Indigestion and Stomach Trouble.
Claims use since Feb. 12, 1925.

Ser. No. 213,706. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREMONT BEVERAGE COMPANY, Fremont, Nebr. Filed May 2, 1925.

HUSKER

Particular description of goods.—Dressed Chickens, Capons, Fowls, Broilers, and Roasters.
Claims use since Mar. 1, 1925.

Ser. No. 213,707. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREMONT BEVERAGE COMPANY, Fremont, Nebr. Filed May 2, 1925.

FREMO

Particular description of goods.—Dressed Chickens, Capons, Fowls, Broilers, and Roasters.
Claims use since Mar. 1, 1925.

Ser. No. 213,713. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) J. LEQUENDIEU, Paris, France. Filed May 2, 1925.

SELOS

Particular description of goods.—Bath Salts.
Claims use since Jan. 21, 1925.

Ser. No. 213,729. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALBERT OLMSTEAD, Philadelphia, Pa. Filed May 2, 1925.

RAYONITE

Drawing consists of the word "Rayonite."
Particular description of goods.—Preparation Used in the Manipulation and Conditioning of Artificial Silk.
Claims use since Mar. 9, 1925.

Ser. No. 213,746. (CLASS 43. THREAD AND YARN.) SOCIÉTÉ A. CREspel, Lille, France. Filed May 2, 1925.

CHEVALIER

Particular description of goods.—Threads.
Claims use since 1855.

Ser. No. 213,751. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WEIDEMAN COMPANY, INC., Cleveland, Ohio. Filed May 2, 1925.

DUSTY

Particular description of goods.—Candy.
Claims use since Mar. 12, 1925.

Ser. No. 213,758. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ACME WHITE LEAD & COLOR WORKS, Hamtramck, Mich. Filed May 4, 1925.

GARDEN GUARD

Particular description of goods.—Insecticides and Fungicides.
Claims use since Jan. 25, 1925.

Ser. No. 213,771. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE CRYSTAL CHEMICAL COMPANY, INC., New York, N. Y. Filed May 4, 1925.

THYMO TUSSIN

Particular description of goods.—Preparation for Coughs and All Inflammatory Conditions of the Throat, Chest, and Lungs.
Claims use since Jan. 7, 1917.

Ser. No. 213,774. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) DAVIS & GECK, INC., Brooklyn, N. Y. Filed May 4, 1925.

Atraumatic

Particular description of goods.—Surgical and Dental Needles and Combined Needles and Sutures.
Claims use since Apr. 6, 1925.

Ser. No. 213,798. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed May 4, 1925.

PORTOLA

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since 1911.

Ser. No. 213,799. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PLACENTIA ORANGE GROWERS ASSOCIATION, Fullerton, Calif. Filed May 4, 1925.

Carmencita

Particular description of goods.—Fresh Citrous Fruits—Namely, Oranges, Lemons, Grapefruit.
Claims use since 1905.

Ser. No. 213,806. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE SOLVAY PROCESS COMPANY, Solvay, N. Y. Filed May 4, 1925.

SNOW FLAKE

Particular description of goods.—Chemical Preparation Recommended for Cleansing, Bleaching, and Softening of Hard Water.
Claims use since March, 1894.

Ser. No. 213,817. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) UPLAND LEMON GROWERS ASSOCIATION, Upland, Calif. Filed May 4, 1925.

RUFN-REDY

Particular description of goods.—Fresh Citrous Fruit—Namely, Oranges, Lemons, and Grapefruit.
Claims use since 1922.

Ser. No. 213,884. (CLASS 39. CLOTHING.) ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y. Filed May 6, 1925.

STRATE EIGHT

Particular description of goods.—Men's Shoes Made Wholly or in Part of Leather.
Claims use since Jan. 1, 1925.

Ser. No. 213,899. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) HOUBIGANT, INC., New York, N. Y. Filed May 6, 1925.

GRAND AIR

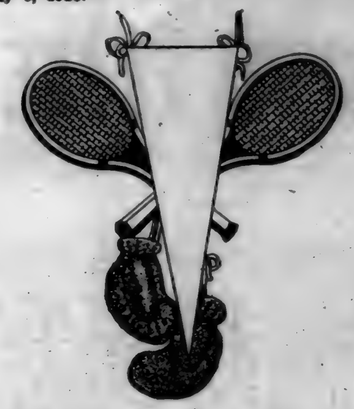
Particular description of goods.—Perfume, Toilet Water, Face Powder, Talcum Powder, Sachet, Brilliantine, Face Cream, Rouge, Lotion for the Skin and Hair, and Bath Salts.
Claims use since Apr. 28, 1925.

Ser. No. 213,901. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM P. JENKINS, Dayton, Ohio. Filed May 6, 1925.

JENCO

Particular description of goods.—Medicine for Kidney and Bladder Troubles.
Claims use since on or about May 1, 1922.

Ser. No. 213,912. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) NORRIS, INC., Atlanta, Ga. Filed May 6, 1925.



Particular description of goods.—Candy.
Claims use since Jan. 1, 1925.

Ser. No. 213,915. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUAKER CITY CHOCOLATE & CONFECTIONERY COMPANY, Philadelphia, Pa. Filed May 6, 1925.

STOGY

Particular description of goods.—Candy.
Claims use since Apr. 14, 1923.

Ser. No. 213,921. (CLASS 12. CONSTRUCTION MATERIALS.) JACKSON RIDGE, doing business as Ridge Stucco Products Co., Los Angeles, Calif. Filed May 6, 1925.

RIDGE
BLUE
SACK

Particular description of goods.—Stucco.
Claims use since Feb. 17, 1925.

Ser. No. 213,934. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE TIEMANN & Co., New York, N. Y. Filed May 6, 1925.

ANTIERUS

Particular description of goods.—Surgical Instruments and Parts Thereof.
Claims use since about Mar. 30, 1925.

Ser. No. 213,950. (CLASS 2. RECEPTACLES.) BRADFORD MOTOR WORKS, Bradford, Pa. Filed May 7, 1925.



The background surrounding the designation "Sta-Co" is lined to indicate the color red.
Particular description of goods.—Seamless Steel Work Barrels.
Claims use since Apr. 2, 1925.

Ser. No. 213,999. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) GEORGE TIEMANN & Co., New York, N. Y. Filed May 7, 1925. Under ten-year proviso.

TIEMANN

Drawing consists of the word "Tiemann."
Particular description of goods.—Surgical Instruments and Parts Thereof.
Claims use since 1826.

Ser. No. 214,006. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ASPEGREN & Co., INC., New York, N. Y. Filed May 8, 1925.

QUIX

Drawing consists of the word "Quix."
Particular description of goods.—Vegetable Shortening.
Claims use since Mar. 14, 1925.

Ser. No. 214,018. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) CAESAR ALFRED FUKS, Brooklyn, N. Y. Filed May 8, 1925.

FELMET

Particular description of goods.—Felt Dental Polishing Wheels.
Claims use since Feb. 15, 1921.

Ser. No. 214,036. (CLASS 27. HOROLOGICAL INSTRUMENTS.) ISIDOR TANNENBAUM, doing business as I. Tannenbaum Co., New York, N. Y. Filed May 8, 1925.

"TANCONY"

Particular description of goods.—Watches, Watch-cases, and Watch Movements.
Claims use since Mar. 10, 1925.

Ser. No. 214,042. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) J. D. ADAMS & COMPANY, Indianapolis, Ind. Filed May 9, 1925.

ROAD KING

Particular description of goods.—Road Graders.
Claims use since about 1888.

Ser. No. 214,045. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, Hempstead and New York, N. Y. Filed May 9, 1925.

ACE-ARTIST

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.
Claims use since May 1, 1925.

Ser. No. 214,046. (CLASS 40. FANCY GOODS, FURNISHINGS, AND NOTIONS.) AMERICAN HARD RUBBER COMPANY, New York and Hempstead, N. Y. Filed May 9, 1925.

ACE-EXPERT

Particular description of goods.—Hard-Rubber Combs for Dressing, Ornamenting, and Cleaning the Hair.
Claims use since May 1, 1925.

Ser. No. 214,073. (CLASS 39. CLOTHING.) HAGERSTOWN SHOE & LEGGING CO., Hagerstown, Md. Filed May 9, 1925.

BILLY AND BETTY

Particular description of goods.—Children's Leather Shoes.
Claims use since Mar. 1, 1924.

Ser. No. 214,094. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) QUAYE CANNING COMPANY, Biloxi, Miss. Filed May 9, 1925.



The two upper bands of the mark shown on the drawing are lined for red and the lower band is lined for yellow.
Particular description of goods.—Canned Vegetables.
Claims use since June 1, 1924.

Ser. No. 214,211. (CLASS 17. TOBACCO PRODUCTS.) JOSE L. MIFSUD, New York, N. Y. Filed May 12, 1925.

Miss ROBINSON CRUSOE

Particular description of goods.—Cigarettes.
Claims use since May 2, 1925.

Ser. No. 214,366. (CLASS 17. TOBACCO PRODUCTS.) FRANK J. KENNEY, Dorchester, Nebr. Filed May 15, 1925.



Particular description of goods.—Cigars.
Claims use since Jan. 15, 1925.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 23, 1925.

199,894. SHOES OF LEATHER AND COMBINATIONS OF LEATHER AND FABRIC, EXCEPT WOMEN'S SHOES. Field & Flint Co., Boston and Brockton, Mass.
Filed February 8, 1923. Serial No. 175,718. PUBLISHED JUNE 5, 1923.

199,895. DRESS SHIRTS, NEGLIGEE SHIRTS, AND WORK SHIRTS, KNITTED AND TEXTILE FABRIC UNDERWEAR FOR MEN ONLY, HOSIERY, SWEATERS, PALM BEACH SUITS, RAINCOATS, MOHAIR SUITS; SHOES OF LEATHER, CANVAS, AND BUCKSKIN; NECKWEAR IN THE NATURE OF NECKTIES AND SCARFS. Werner Export Company Inc., New York, N. Y.
Filed May 12, 1923. Serial No. 180,569. PUBLISHED APRIL 14, 1925.

199,896. WASHING MACHINES AND DRY-CLEANING MACHINES. The American Laundry Machinery Company, Cincinnati, Ohio.
Filed June 22, 1923. Serial No. 182,328. PUBLISHED SEPTEMBER 16, 1924.

199,897. WORK SHIRTS. Gordon Shirt Company, Chicago, Ill.
Filed January 7, 1924. Serial No. 190,501. PUBLISHED APRIL 14, 1925.

199,898. SOAP. Fischbeck Soap Company, San Francisco, Calif.
Filed January 21, 1924. Serial No. 191,066. PUBLISHED APRIL 15, 1924.

199,899. TOILET SOAP. F. R. Arnold & Co., New York, N. Y.
Filed January 23, 1924. Serial No. 191,158. PUBLISHED JULY 1, 1924.

199,900. WOOLEN PIECE GOODS. Forstmann & Huffmann Company, Passaic, N. J.
Filed April 11, 1924. Serial No. 195,870. PUBLISHED APRIL 14, 1925.

199,901. CIGARETTE WRAPPERS AND PAPERS. Société Anonyme D'Exploitation des Papeteries L. Lacroix Fils, Angouleme, Charente, France.
Filed April 11, 1924. Serial No. 195,421. PUBLISHED APRIL 14, 1925.

199,902. COTTON PIECE GOODS AND PIECE GOODS COMPOSED OF SILK. John V. Farwell Company, Chicago, Ill.
Filed April 23, 1924. Serial No. 196,014. PUBLISHED APRIL 14, 1925.

199,903. SHOT SHELLS. Western Cartridge Company, Wilmington, Del., and East Alton, Ill.
Filed September 10, 1924. Serial No. 202,472. PUBLISHED APRIL 14, 1925.

199,904. PERFUMES, TOILET WATERS, FACE LOTIONS, FACE CREAMS, FACE POWDERS, ROUGES, AND LIP STICKS. Lionel Trading Co. Inc., New York, N. Y.
Filed October 17, 1924. Serial No. 204,038. PUBLISHED JANUARY 6, 1925.

199,905. WOOLEN PIECE GOODS. Forstmann & Huffmann Company, Passaic, N. J.
Filed October 30, 1924. Serial No. 204,602. PUBLISHED APRIL 14, 1925.

199,906. KNITTED ARTIFICIAL-SILK FABRICS. Artsilk Knitting Mills Inc., West New York, N. J.
Filed November 25, 1924. Serial No. 206,811. PUBLISHED APRIL 14, 1925.

199,907. WORK GLOVES, MITTENS, AND GAUNTLETS MADE FROM FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. M. B. Hamilton & Co., Leavenworth, Kans.
Filed November 25, 1924. Serial No. 206,827. PUBLISHED APRIL 7, 1925.

199,908. COTTON AND SILK PIECE GOODS. Voss & Stern, Inc., New York, N. Y.
Filed December 3, 1924. Serial No. 206,203. PUBLISHED APRIL 14, 1925.

199,909. GLASS JARS AND BOTTLES. The Ohio Glass Products Company, Massillon, Ohio.
Filed December 10, 1924. Serial No. 206,537. PUBLISHED APRIL 14, 1925.

199,910. NECKWEAR—NAMELY, COLLARS, SCARFS, CRAVATS, NECKTIES, AND MUFFLERS. Kadet Krueger Co., Chicago, Ill.
Filed December 24, 1924. Serial No. 207,191. PUBLISHED APRIL 14, 1925.

199,911. MEN'S HATS AND CAPS. Joseph E. Ward (Bredbury) Limited, Bredbury, Stockport, and London, England.
Filed December 26, 1924. Serial No. 207,277. PUBLISHED APRIL 7, 1925.

199,912. MEN'S HATS AND CAPS. Joseph E. Ward (Bredbury) Limited, Bredbury, Stockport, and London, England.
Filed December 26, 1924. Serial No. 207,278. PUBLISHED APRIL 7, 1925.

199,913. CIGARETTE PAPERS. Josef Schnabl, doing business as Jac. Schnabl & Co., Vienna, Austria.
Filed May 6, 1924. Serial No. 196,679. PUBLISHED APRIL 14, 1925.

199,914. TINNED AND PRESERVED FISH, TINNED AND PRESERVED MEAT, FISH BALLS, MEAT BALLS, SAUSAGE, FARCE FISH, AND FARCE MEAT. A/S Finda, Mnaloy, Norway.
Filed October 25, 1924. Serial No. 204,890. PUBLISHED APRIL 7, 1925.

199,915. SELF-RISING WHEAT FLOUR. Bibb Flour Mills, Macon, Ga.
Filed October 17, 1924. Serial No. 204,004. PUBLISHED APRIL 7, 1925.

199,916. BREAKFAST FOOD. Charles A. Humphry, doing business as Swans Down Wheat Hearts Company, Evansville, Ind.
Filed October 29, 1924. Serial No. 204,555. PUBLISHED FEBRUARY 3, 1925.

199,917. CANDY. Maison Marie, Saginaw, Mich.
Filed November 1, 1924. Serial No. 204,712. PUBLISHED APRIL 14, 1925.

199,918. PREPARED BREAD FOR INFANTS AND INVALIDS. Societe L'Aliment Essentiel, Nanterre, France.
Filed November 3, 1924. Serial No. 204,794. PUBLISHED APRIL 7, 1925.

199,919. CANNED VEGETABLES, CANNED FISH, EVAPORATED MILK, CONDENSED MILK; POTTED MEAT—NAMELY, HAM; SLICED BEEF, COFFEE, TEA, MINCEMEAT, MACARONI, OLIVES, PICKLES, ROLLED OATS, PANCAKE FLOUR, PREPARED MUSTARD, PEANUT BUTTER, COCOA, COCONUT, SALAD DRESSING, AND CORNSTARCH FOR FOOD PURPOSES. The W. H. Dunne Co., Norwich, N. Y.
Filed November 8, 1924. Serial No. 205,000. PUBLISHED APRIL 7, 1925.

199,920. OIL ENGINES AND GAS ENGINES. The Campbell Gas Engine Company Limited, Kingston, Halifax, England.
Filed November 10, 1924. Serial No. 205,049. PUBLISHED APRIL 14, 1925.

199,921. AUTOMOBILE BUMPERS. American Auto-parts Company, Detroit, Mich.
Filed November 21, 1924. Serial No. 205,627. PUBLISHED MARCH 31, 1925.

199,922. PLASTER. The Beaver Products Company, Inc., Buffalo, N. Y.
Filed November 24, 1924. Serial No. 205,728. PUBLISHED MARCH 31, 1925.

199,923. FINISHING PLASTER. The Beaver Products Company, Inc., Buffalo, N. Y.
Filed November 24, 1924. Serial No. 205,729. PUBLISHED MARCH 31, 1925.

199,924. PLASTER. The Beaver Products Company, Inc., Buffalo, N. Y.
Filed November 24, 1924. Serial No. 205,733. PUBLISHED MARCH 31, 1925.

199,925. MARINE OIL-BURNING SYSTEM, OIL-FIRING FURNACE FRONTS, OIL BURNERS, OIL HEATERS, AND STRAINERS DESIGNED FOR USE WITH OIL-BURNING SYSTEMS, AND FOR LIKE PURPOSES. John S. Patten Engineering Co. Inc., New York, N. Y.
Filed November 28, 1924. Serial No. 205,945. PUBLISHED MARCH 31, 1925.

199,926. CERTAIN TOOLS AND MACHINES. George W. Warner & Co., Inc., New York, N. Y.
Filed November 28, 1924. Serial No. 205,967. PUBLISHED MARCH 17, 1925.

199,927. GINGER ALE. John V. Miscovich, doing business as Hollywood Products Company and Hoyt's Products, Los Angeles, Calif.
Filed December 8, 1924. Serial No. 206,422. PUBLISHED APRIL 14, 1925.

199,928. WHEAT FLOUR. White Satin Sugar Company, Minneapolis, Minn.
Filed December 15, 1924. Serial No. 206,759. PUBLISHED APRIL 14, 1925.

199,929. CERTAIN TOOLS AND MACHINES. Markwell Manufacturing Co., Inc., New York, N. Y.
Filed December 16, 1924. Serial No. 206,794. PUBLISHED APRIL 7, 1925.

199,930. THEFT-PREVENTION LOCKING DEVICES. Richard M. Decker Company, Chicago, Ill.
Filed December 20, 1924. Serial No. 206,996. PUBLISHED MARCH 17, 1925.

199,931. PREPARED ROOFING PRODUCTS—NAMELY, COMPOSITION SHINGLES. The Ruberoid Co., Boundbrook, N. J., and New York, N. Y.
Filed December 20, 1924. Serial No. 207,033. PUBLISHED MARCH 31, 1925.

199,932. WHOLE-WHEAT FLOUR. The Konrad Schreiber Co., Sheboygan, Wis.
Filed December 22, 1924. Serial No. 207,084. PUBLISHED MARCH 31, 1925.

199,933. CIGAR AND CIGARETTE LIGHTING DEVICES IN WHICH A SPARK-PRODUCING ALLOY IS USED FOR LIGHTING PURPOSES. E. & J. Bass, Inc., New York, N. Y.
Filed December 23, 1924. Serial No. 207,118. PUBLISHED APRIL 7, 1925.

199,934. OXYACETYLENE WELDING AND CUTTING APPARATUS. Air Reduction Company, Incorporated, New York, N. Y.
Filed December 26, 1924. Serial No. 207,221. PUBLISHED APRIL 7, 1925.

199,935. COAL. Trojan Coal Mining Company, Clearfield, Pa.
Filed December 26, 1924. Serial No. 207,273. PUBLISHED MARCH 31, 1925.

199,936. OLEOMARGARINE. John F. Jelke Company, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,371. PUBLISHED APRIL 14, 1925.

199,937. WHEAT FLOUR, CORN MEAL, PREPARED FEEDS FOR LIVESTOCK, POULTRY FEEDS, DAIRY FEEDS, HORSE AND MULE FEEDS, AND MILL FEEDS. Thibault Milling Co., Little Rock, Ark.
Filed December 30, 1924. Serial No. 207,480. PUBLISHED MARCH 31, 1925.

199,938. FERTILIZERS. Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany.
Filed December 31, 1924. Serial No. 207,486. PUBLISHED APRIL 14, 1925.

199,939. FERTILIZERS. Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany.
Filed December 31, 1924. Serial No. 207,487. PUBLISHED APRIL 14, 1925.

199,940. HAIR CLIPPERS, BEARD CLIPPERS, AND NECK SHAVERS. Alexander Coppel, Solingen, Germany.
Filed December 31, 1924. Serial No. 207,493. PUBLISHED APRIL 7, 1925.

199,941. PORTABLE BUILDINGS, WAREHOUSES, BUNGALOWS, GARAGES, AND THE LIKE. Pottstown Steel Company, Douglassville, Pa.
Filed December 31, 1924. Serial No. 207,515. PUBLISHED MARCH 31, 1925.

199,942. MATRIX DRY MAT OR BOARD USED IN STEREOTYPING AND ELECTROTYPING. Certified Dry Mat Corporation, New York, N. Y.
Filed January 2, 1925. Serial No. 207,563. PUBLISHED MARCH 31, 1925.

199,943. WHEAT FLOUR AND PANCAKE FLOUR, CEREAL BREAKFAST FOOD, POULTRY AND STOCK FEEDS. Cherry City Milling Company, Salem, Oreg.
Filed January 8, 1925. Serial No. 207,615. PUBLISHED APRIL 7, 1925.

199,944. WHEAT FLOUR. The Wilcox-Hayes Co., Portland, Oreg.
Filed January 3, 1925. Serial No. 207,638. PUBLISHED APRIL 7, 1925.

199,945. OLIVE OILS. Francisco Serrano Rivera, Lucena, Spain.
Filed January 5, 1925. Serial No. 207,686. PUBLISHED APRIL 7, 1925.

199,946. TOMBSTONES AND MONUMENTS. Minton I. Da Lee, Oklahoma City, Okla.
Filed January 6, 1925. Serial No. 207,710. PUBLISHED MARCH 31, 1925.

199,947. PRESSES FOR EMBOSSING, MARKING, PRINTING, AND STAMPING ON LEATHER, PAPER, TEXTILES, AND OTHER MATERIALS HAVING RELATIVELY SOFT SURFACES. A. M. Kennedy & Co., Inc., New York, N. Y.
Filed January 7, 1925. Serial No. 207,789. PUBLISHED APRIL 7, 1925.

199,948. SPONGES AND CHAMOIS SKINS. James H. Rhodes & Company, Chicago, Ill.
Filed January 9, 1925. Serial No. 207,886. PUBLISHED APRIL 7, 1925.

199,949. PAPER BOXES AND PAPER CARTONS. Fleischhacker Paper Box Co., San Francisco, Calif.
Filed January 12, 1925. Serial No. 207,981. PUBLISHED APRIL 14, 1925.

199,950. PERFUMES, TOILET WATER, FACE POWDER, TALCUM POWDER, LOTION FOR THE SKIN AND HAIR, EAU DE COLOGNE, BRILLIANTINE, FACE CREAM, ROUGE, BATH SALTS, SACHET, AND DUSTING POWDER. CHERAMY, INC., New York, N. Y.
Filed January 13, 1925. Serial No. 208,042. PUBLISHED MARCH 24, 1925.

199,951. FUR WEARING APPAREL—VIZ, FUR COATS, BOAS, COLLARS, AND STOLES. MORRIS SUSSER, New York, N. Y.
Filed January 13, 1925. Serial No. 208,078. PUBLISHED APRIL 7, 1925.

199,952. AUTOMOBILE TIRE CHAINS. SUPERIOR METAL PRODUCTS, INC., Greeley, Colo.
Filed January 15, 1925. Serial No. 208,167. PUBLISHED APRIL 14, 1925.

199,953. WHEAT FLOUR. BOYD MILLING COMPANY, Sharpsville, Pa.
Filed January 19, 1925. Serial No. 208,276. PUBLISHED MARCH 31, 1925.

199,954. ATHLETIC WEARING APPAREL—NAMELY, ATHLETIC SHIRTS, ATHLETIC TRUNKS, SWIMMING SUITS, AND GYMNASIUM SUITS OF KNITTED OR TEXTILE FABRICS FOR MEN AND BOYS. JOHN W. DWYER, Philadelphia, Pa.
Filed February 9, 1924. Serial No. 192,068. PUBLISHED APRIL 7, 1925.

199,955. PAPER BAGS. HAMMOND BAG & PAPER CO., Wellsburg, W. Va.
Filed February 8, 1924. Serial No. 192,019. PUBLISHED APRIL 14, 1925.

199,956. COFFEE. SCHREIBER PRODUCTS CORPORATION, Buffalo, N. Y.
Filed January 30, 1924. Serial No. 191,510. PUBLISHED APRIL 14, 1925.

199,957. WOVEN CORD FABRICS FOR USE IN THE MANUFACTURE OF TIRES AND FABRIC BELTING. TEXTILES DEVELOPMENT CORPORATION, New York, N. Y.
Filed January 21, 1924. Serial No. 191,102. PUBLISHED APRIL 7, 1925.

199,958. MONUMENTS, MARKERS, AND MEMORIAL STONES. LARDNER MONUMENT WORKS, Lockport, N. Y.
Filed January 14, 1924. Serial No. 190,795. PUBLISHED MARCH 31, 1925.

199,959. MECHANICALLY-OPERATED HEADLIGHT CONTROLS. JOHN A. KIMBALL, doing business as Kimdim Speciality Works, Taylorville, Ill.
Filed January 5, 1924. Serial No. 190,459. PUBLISHED MARCH 31, 1925.

199,960. ICING PREPARATIONS, FOOD-FLAVORING EXTRACTS, AND BAKING MIXTURES FOR CAKES. GRENNAN CAKE CORPORATION, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich.
Filed January 4, 1924. Serial No. 190,407. PUBLISHED APRIL 7, 1925.

199,961. CONSTRUCTION MATERIALS — NAMELY, WALL BOARD, PANEL BOARDS, ROOFING FOR VEHICLES, BODY STOCK FOR VEHICLES, BUILDING BOARD FOR GARAGES AND TEMPORARY STRUCTURES; INSULATION BOARD FOR BUILDINGS, REFRIGERATORS, RAILROAD CARS, AND OTHER VEHICLES. THE PANELYTE BOARD COMPANY, Trenton, N. J.
Filed December 21, 1923. Serial No. 189,986. PUBLISHED MARCH 3, 1925.

199,962. PIPE COVERING. KEASBEY & MATTISON COMPANY, Ambler, Pa.
Filed October 29, 1923. Serial No. 187,626. PUBLISHED MARCH 31, 1925.

199,963. AUTOMOBILE TIRES MADE OF RUBBER AND OF RUBBER AND COTTON FABRIC, AND AUTOMOBILE INNER TUBES MADE OF RUBBER. ARTHUR A. GUENTHER, doing business as Admiral Tire & Rubber Company, St. Louis, Mo.
Filed September 29, 1923. Serial No. 186,365. PUBLISHED JANUARY 1, 1924.

199,964. CEREAL BREAKFAST FOOD. KELLOGG COMPANY, Battle Creek, Mich.
Filed August 30, 1923. Serial No. 185,182. PUBLISHED APRIL 7, 1925.

199,965. WOOD, FURNITURE, AND AUTOMOBILE POLISH. KINNEY CHEMICAL PRODUCTS CO., Knoxville, Tenn.
Filed July 23, 1923. Serial No. 183,576. PUBLISHED MARCH 10, 1925.

199,966. RUBBER TIRES. THE FISK RUBBER COMPANY, Chicopee Falls, Mass.
Filed March 26, 1923. Serial No. 178,031. PUBLISHED MARCH 31, 1925.

199,967. LUMBER OF ALL KINDS. GEO. M. SPIEGLE & CO., Philadelphia, Pa.
Filed November 14, 1922. Serial No. 172,017. PUBLISHED MARCH 31, 1925.

199,968. BREAD. C. HOUSTON GOUDISS, New York, N. Y.
Filed October 21, 1922. Serial No. 171,018. PUBLISHED MARCH 24, 1925.

199,969. COTTON GOODS IN THE PIECE. AMERICAN BLEACHED GOODS COMPANY, New York, N. Y., Chicago, Ill., and St. Louis, Mo.
Filed July 1, 1922. Serial No. 166,337. PUBLISHED JULY 22, 1924.

199,970. WHEAT FLOUR. STAR MILLING COMPANY, Minneapolis, Minn.
Filed May 29, 1922. Serial No. 164,686. PUBLISHED APRIL 7, 1925.

199,971. TEA, COFFEE, FLAVORING EXTRACTS FOR FOOD PURPOSES, SPICES, COCOA, CHOCOLATE, PACKAGED BREAKFAST CEREALS, MACARONI, ETC. ATHLETIC TEA COMPANY, St. Louis, Mo.
Filed May 25, 1922. Serial No. 164,481. PUBLISHED APRIL 7, 1925.

199,972. TOBACCO PRODUCTS—THAT IS, CIGARS, STOGIES, SNUFF, CHEWING, SMOKING, AND LEAF TOBACCO. ABRAHAM RUBEN, Pittsburgh, Pa.
Filed July 12, 1921. Serial No. 150,292. PUBLISHED JANUARY 31, 1922.

199,973. KNITTED WOOLEN CLOTH. SHAWMUT WOOLEN MILLS, Stoughton, Mass., and New York, N. Y.
Filed August 31, 1917. Serial No. 105,997. PUBLISHED NOVEMBER 25, 1919.

199,974. CORN SIRUP. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed October 15, 1924. Serial No. 203,915. PUBLISHED APRIL 7, 1925.

199,975. GRAPE JUICE. THE GREAT ATLANTIC & PACIFIC TEA COMPANY, Jersey City, N. J.
Filed October 1, 1924. Serial No. 203,267. PUBLISHED APRIL 14, 1925.

199,976. LEATHER BLANKS. PENN LEATHER COMPANY, Philadelphia, Pa.
Filed September 15, 1924. Serial No. 202,639. PUBLISHED MARCH 31, 1925.

199,977. INTERIOR FITMENTS, SUCH AS CASES OR CABINETS FOR BOOKS, CHINA, CLOTHING, LINEN, ETC.; MANTELS, TABLES, SEATS, AND BENCHES. NEW ROCHELLE COAL & LUMBER CO., New Rochelle, N. Y.
Filed September 12, 1924. Serial No. 202,561. PUBLISHED MARCH 31, 1925.

199,978. TIMBER OF FIR, OAK, SPRUCE, AND YELLOW PINE. NEW ROCHELLE COAL & LUMBER CO., New Rochelle, N. Y.
Filed September 10, 1924. Serial No. 202,457. PUBLISHED MARCH 31, 1925.

199,979. FRESH CITROUS FRUITS. TERRA BELLA CITRUS ASSOCIATION, Terra Bella, Calif., assignors to Haas Brothers, San Francisco, Calif., a Corporation of California.
Filed August 21, 1924. Serial No. 201,721. PUBLISHED OCTOBER 7, 1924.

199,980. CAKES, PIES, AND BREAD. REUBEN H. LEVY, doing business as Kingston Cake Co., Kingston, Pa.
Filed August 18, 1924. Serial No. 201,569. PUBLISHED MARCH 31, 1925.

199,981. BLACKBOARD. THE BEAVER PRODUCTS COMPANY, INC., Buffalo, N. Y.
Filed August 15, 1924. Serial No. 201,424. PUBLISHED MARCH 31, 1925.

199,982. LEATHER PRODUCTS—NAMELY, COMBINATION CARD, PASS, AND BILL HOLDER; POCKETBOOKS, CARDCASES, BILL BOOKS, WALLETS, MUSIC ROLLS, MUSIC BAGS, PASS CASES, AND BILL FOLDERS. AMITY LEATHER PRODUCTS CO., West Bend, Wis.
Filed July 26, 1924. Serial No. 200,537. PUBLISHED MARCH 3, 1925.

199,983. CELLULOID LETTERS FOR CHANGEABLE SIGNS. THE TABLET & TICKET COMPANY, Chicago, Ill.
Filed June 28, 1924. Serial No. 199,331. PUBLISHED APRIL 7, 1925.

199,984. DOG, POULTRY, AND BIRD FOODS. STAMINA FOODS CO. LTD., Bootle, Liverpool, England.
Filed June 7, 1924. Serial No. 198,262. PUBLISHED FEBRUARY 10, 1925.

199,985. LIQUID-FUEL COOKING STOVES. M J R METALLWARENFABRIK JOSEF ROSENTHAL AKTIENGESELLSCHAFT, Vienna, Austria.
Filed May 2, 1924. Serial No. 196,468. PUBLISHED APRIL 7, 1925.

199,986. CHEESE. JOHN BLUMBERG & BROS. INC., New York, N. Y.
Filed March 26, 1924. Serial No. 194,430. PUBLISHED JANUARY 6, 1925.

199,987. DISPENSING DEVICES FOR TOILET PREPARATIONS AND THE LIKE. THE TOILAID COMPANY, New York, N. Y.
Filed March 19, 1924. Serial No. 194,084. PUBLISHED MARCH 31, 1925.

199,988. UMBRELLA SILK PIECE GOODS. HARNICHER BROS. SILK CO., Paterson, N. J.
Filed March 7, 1924. Serial No. 193,397. PUBLISHED NOVEMBER 4, 1924.

199,989. ROASTED COFFEE, TEA, FOOD-FLAVORING EXTRACTS, AND SPICES. ST. LOUIS COFFEE & SPICE MILLS, St. Louis, Mo.
Filed February 18, 1924. Serial No. 192,504. PUBLISHED APRIL 7, 1925.

199,990. CANNED FISH—NAMELY, SARDINES, TUNNY, AND CANNED FRUITS. K. HOVDEN CO., Monterey, Calif.
Filed February 16, 1924. Serial No. 192,385. PUBLISHED MAY 6, 1924.

199,991. AXLES, SPRINGS, AND BUMPERS FOR VEHICLES. THE EATON AXLE AND SPRING COMPANY, Cleveland, Ohio.
Filed February 15, 1924. Serial No. 192,317. PUBLISHED MARCH 31, 1925.

199,992. CANDY. SCHUTTER-JOHNSON CANDY CO., Chicago, Ill., assignor to Jefferson Candy Co., Chicago, Ill., a Corporation of Illinois.
Filed February 13, 1924. Serial No. 192,227. PUBLISHED APRIL 14, 1925.

199,993. FERTILIZER. VERDURE, INC., New York, N. Y.
Filed February 12, 1924. Serial No. 192,202. PUBLISHED APRIL 14, 1925.

199,994. BRASSIÈRES. CHAS. R. DE BEVOISE CO., Newark, N. J.
Filed February 24, 1925. Serial No. 210,046. PUBLISHED APRIL 14, 1925.

199,995. WOMEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed February 27, 1925. Serial No. 210,215. PUBLISHED APRIL 14, 1925.

199,996. RADIO RECEIVING SETS AND PARTS THEREOF. RAMSTONE CORPORATION, New York, N. Y.
Filed February 4, 1925. Serial No. 209,106. PUBLISHED APRIL 7, 1925.

199,997. LEATHER SHOES. FRED D. BULL, Ithaca, N. Y.
Filed January 14, 1925. Serial No. 208,092. PUBLISHED APRIL 14, 1925.

199,998. MACHINES AND APPARATUS FOR DISTANCE TRANSMISSION OF PHOTOGRAPHS ELECTRICALLY. PACIFIC & ATLANTIC PHOTOS, INC., New York, N. Y.
Filed January 3, 1925. Serial No. 207,629. PUBLISHED APRIL 7, 1925.

199,999. SALAD DRESSINGS. THE FACTORY PRODUCTS DISTRIBUTORS, Chicago, Ill.
Filed December 13, 1924. Serial No. 206,662. PUBLISHED FEBRUARY 24, 1925.

200,000. WORK GLOVES, MITTENS, AND GAUNTLETS MADE OF FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. M. B. HAMILTON & CO., Leavenworth, Kans.
Filed November 25, 1924. Serial No. 205,829. PUBLISHED APRIL 7, 1925.

200,001. WORK GLOVES, MITTENS, AND GAUNTLETS MADE OF FABRIC AND COMBINATIONS OF FABRIC AND LEATHER. M. B. HAMILTON & CO., Leavenworth, Kans.
Filed November 25, 1924. Serial No. 205,828. PUBLISHED APRIL 7, 1925.

200,002. RADIO LOUD SPEAKERS, TRANSFORMERS, CONDENSERS, RHEOSTATS, SOCKETS, SUB-PANELS, AND SETS. INTER-STATE RADIO CO., New York, N. Y.
Filed August 28, 1924. Serial No. 201,959. PUBLISHED APRIL 7, 1925.

200,003. ALTERNATING-CURRENT RECTIFIERS, STORAGE BATTERIES, AND PARTS THEREOF. THE CLEVELAND ENGINEERING LABORATORIES COMPANY, Cleveland, Ohio.
Filed July 12, 1924. Serial No. 199,933. PUBLISHED APRIL 7, 1925.

200,004. ELASTIC GIRDLES MADE CHIEFLY OF RUBBER AND CLOTH. PERFOLASTIC, INC., New York, N. Y.
Filed February 28, 1925. Serial No. 210,312. PUBLISHED APRIL 7, 1925.

200,005. MEN'S SHOES MADE WHOLLY OR IN PART OF LEATHER. ASSOCIATED MERCHANDISING CORPORATION, New York, N. Y.
Filed February 27, 1925. Serial No. 210,216. PUBLISHED APRIL 7, 1925.

200,006. LEATHER SHOES. EDMONDS SHOE COMPANY, Milwaukee, Wis.
Filed February 21, 1925. Serial No. 209,979. PUBLISHED APRIL 14, 1925.

200,007. MEN'S, WOMEN'S, AND BOYS' BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER AND CLOTH. THOMPSON BROS. SHOE CO., Brockton, Mass.
Filed February 20, 1925. Serial No. 209,950. PUBLISHED APRIL 14, 1925.

200,008. LADIES' AND MISSES' HATS. NATHAN FRANKLAU, doing business as Leon Milly Shop, New York, N. Y.
Filed February 18, 1925. Serial No. 209,781. PUBLISHED APRIL 7, 1925.

200,009. AUTOMOBILE STORAGE BATTERIES AND RADIO STORAGE BATTERIES. GENERAL STORAGE BATTERY CO., St. Louis, Mo.
Filed February 16, 1925. Serial No. 209,647. PUBLISHED APRIL 7, 1925.

200,010. KNITTED WOOL FABRIC IN THE PIECE. NEYMAN KNITTING MILLS, Brooklyn, N. Y.
Filed February 12, 1925. Serial No. 209,491. PUBLISHED APRIL 14, 1925.

200,011. YARNS OF WOOL AND SILK. MONOMAC SPINNING COMPANY, Boston, Mass.
Filed February 9, 1925. Serial No. 209,309. PUBLISHED APRIL 14, 1925.

200,012. TOBACCO PIPES. DELACOUR & LEWIS CORPORATION, New York, N. Y.
Filed February 9, 1925. Serial No. 209,282. PUBLISHED APRIL 14, 1925.

200,013. KITS CONTAINING FLEXIBLE WIRES HAVING TERMINAL LUGS AT EACH END AND TEMPLATES AND INSTRUCTIONS FOR BUILDING RADIO SETS. SIGMUND NEWMAN, doing business as The Radio Constructor, New York, N. Y.
Filed February 7, 1925. Serial No. 209,233. PUBLISHED APRIL 7, 1925.

200,014. CERTAIN COTTON, SILK, AND WOOLEN GOODS. DANIEL MILLER COMPANY, Baltimore, Md.
Filed February 7, 1925. Serial No. 209,231. PUBLISHED APRIL 14, 1925.

200,015. COMPLETE RADIO RECEIVING SETS AND PARTS THEREOF. AUTOMETAL CORPORATION, Niagara Falls, N. Y.
Filed February 7, 1925. Serial No. 209,194. PUBLISHED APRIL 7, 1925.

200,016. MEDICINAL PREPARATION FOR THE TREATMENT OF THE INTESTINAL TRACT AND CAPABLE OF ADMIXTURE WITH ALL TYPES OF SOLID FOOD. THE REINSCHILD CHEMICAL CO., New York, N. Y.
Filed February 5, 1925. Serial No. 209,138. PUBLISHED MARCH 31, 1925.

200,017. BRUSHES FOR MOTORS AND DYNAMOS. KOHLMITE PRODUCTS CO., INC., New York, N. Y.
Filed February 4, 1925. Serial No. 209,090. PUBLISHED APRIL 7, 1925.

200,018. RADIO RECEIVING SETS AND PARTS THEREOF. THE CROSLEY MANUFACTURING COMPANY, Cincinnati, Ohio.
Filed February 4, 1925. Serial No. 209,077. PUBLISHED APRIL 7, 1925.

200,019. OVEN MITTENS OF FABRIC. CLARK J. NADHERNY, Chicago, Ill.
Filed February 2, 1925. Serial No. 208,993. PUBLISHED APRIL 7, 1925.

200,020. RUBBER HEELS AND SOLES FOR SHOES. HOLTITE MANUFACTURING CO., Baltimore, Md.
Filed January 31, 1925. Serial No. 208,909. PUBLISHED APRIL 7, 1925.

200,021. MEN'S OVERALLS, JACKETS, AND OVERALL UNION SUITS; CHILDREN'S PLAY SUITS AND ROMPERS. PHILIP MILLER, doing business as The Miller Overall Mfg. Co., Shelbyville, Ind.
Filed January 29, 1925. Serial No. 208,817. PUBLISHED APRIL 14, 1925.

200,022. TRANSFORMERS. PRECISE INSTRUMENT COMPANY, Brooklyn, N. Y.
Filed January 28, 1925. Serial No. 208,777. PUBLISHED APRIL 7, 1925.

200,023. THREAD AND YARN. S. & H. DYEING CO. INC., West New York, N. J.
Filed January 27, 1925. Serial No. 208,723. PUBLISHED APRIL 14, 1925.

200,024. LADIES' VESTS, SLIPS, PETTICOATS, NIGHTGOWNS, PYJAMAS, BLOOMERS, STEPINS, CHEMISES, UNION SUITS OF TEXTILE FABRICS AND KNITTED SKIRTS AND SWEATERS. ROBERTS-FRANK COMPANY, Chicago, Ill.
Filed January 24, 1925. Serial No. 208,610. PUBLISHED APRIL 14, 1925.

200,025. CERTAIN HOSE AND BELTING DUCK. UNITY COTTON MILLS, La Grange, Ga.
Filed January 23, 1925. Serial No. 208,538. PUBLISHED APRIL 14, 1925.

200,026. CERTAIN KNITTED, NETTED, AND TEXTILE FABRICS IN THE PIECE. THE AMERICAN CELLULOSE & CHEMICAL MANUFACTURING COMPANY, LTD., New York, N. Y.
Filed January 16, 1925. Serial No. 208,175. PUBLISHED APRIL 14, 1925.

200,027. DRY GOODS—NAMELY, NEGLIGEE AND UNDER SHIRTS, SKIRTS, SHIRT-WAISTS, WOMEN'S AND CHILDREN'S HATS; WOMEN'S AND CHILDREN'S BOOTS, SHOES, AND SLIPPERS MADE WHOLLY OR IN PART OF LEATHER, CANVAS, RUBBER, OR TEXTILE MATERIAL; HOSIERY, KNITTED AND TEXTILE FABRIC UNDERGARMENTS; WOMEN'S AND CHILDREN'S COATS, WRAPS, DRESSES; WOMEN'S AND CHILDREN'S GLOVES OF LEATHER, FABRIC, OR COMBINATIONS THEREOF; CORSETS, BRASSIÈRES, WOMEN'S AND CHILDREN'S KNICKERS. SHEPARD NORWELL CO., Boston, Mass.
Filed January 14, 1925. Serial No. 208,111. PUBLISHED APRIL 14, 1925.

200,028. MILLINERY—NAMELY, WOMEN'S, MISSES', AND CHILDREN'S TRIMMED AND UNTRIMMED HATS AND BONNETS. SONIA KATHIN, Chicago, Ill.
Filed January 12, 1925. Serial No. 207,996. PUBLISHED APRIL 7, 1925.

200,029. WATCHES. BUSS-LENTHICUM-THORSON, INC., Chicago, Ill., and New York, N. Y.
Filed January 12, 1925. Serial No. 207,965. PUBLISHED APRIL 7, 1925.

200,030. COTTON AND COTTON AND SILK MIXED GOODS IN THE PIECE. LOEFFLER, BREWER & CO., INC., New York, N. Y.
Filed January 7, 1925. Serial No. 207,791. PUBLISHED APRIL 14, 1925.

200,031. PRINTS IN THE PIECE. SAMUEL EISEMAN & CO. INC., New York, N. Y.
Filed January 6, 1925. Serial No. 207,658. PUBLISHED APRIL 14, 1925.

200,032. WASHING MACHINES. ALTORFER BROS. CO., East Peoria, Ill.
Filed January 5, 1925. Serial No. 207,643. PUBLISHED APRIL 7, 1925.

200,033. NEGLIGEE AND DRESS SHIRTS. THE YORKE SHIRT COMPANY, Glens Falls and New York, N. Y.
Filed December 31, 1924. Serial No. 207,538. PUBLISHED APRIL 14, 1925.

200,034. CERTAIN COTTON GOODS IN THE PIECE USED FOR VEHICLE TIRES AND FOR OTHER PURPOSES. UNITY COTTON MILLS, La Grange, Ga.
Filed January 23, 1925. Serial No. 208,537. PUBLISHED APRIL 14, 1925.

200,035. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE MASSOLT BOTTLING CO., Minneapolis, Minn.
Filed February 11, 1925. Serial No. 209,419. PUBLISHED APRIL 14, 1925.

200,036. WHEAT FLOUR. MANEY MILLING CO., Omaha, Nebr.
Filed February 11, 1925. Serial No. 209,418. PUBLISHED APRIL 14, 1925.

200,037. CARD GAMES. FUNNIES, Chicago, Ill
Filed February 11, 1925. Serial No. 209,392. PUBLISHED APRIL 14, 1925.

200,038. ROAD GRADERS. THE GALION IRON WORKS & MFG. CO., Galion, Ohio.
Filed February 10, 1925. Serial No. 209,341. PUBLISHED APRIL 7, 1925.

200,039. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES AND SIRUPS FOR COMPOUNDING SAME. CRAWFORD JOHNSON & CO., Birmingham, Ala.
Filed February 9, 1925. Serial No. 209,280. PUBLISHED APRIL 14, 1925.

200,040. NONALCOHOLIC, MALTLESS, CARBONATED BEVERAGES AND SIRUPS FOR COMPOUNDING SAME. CRAWFORD JOHNSON & CO., Birmingham, Ala.
Filed February 9, 1925. Serial No. 209,279. PUBLISHED APRIL 14, 1925.

200,041. BILLIARD AND POCKET-BILLIARD BALLS. THE BRUNSWICK-BALKE-COLLENDER COMPANY, Wilmington, Del., and Chicago, Ill.
Filed February 9, 1925. Serial No. 209,276. PUBLISHED APRIL 14, 1925.

200,042. SPINNING TOPS. EDWARD E. BARTRAM, Los Angeles, Calif.
Filed February 9, 1925. Serial No. 209,272. PUBLISHED APRIL 14, 1925.

200,043. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed February 7, 1925. Serial No. 209,218. PUBLISHED APRIL 7, 1925.

200,044. OLEOMARGARINE. JOHN F. JELKE COMPANY, Chicago, Ill.
Filed February 7, 1925. Serial No. 209,217. PUBLISHED APRIL 7, 1925.

200,045. MEN'S, WOMEN'S, AND CHILDREN'S SWIMMING SUITS. MANHATTAN KNITTING MILLS, New York, N. Y.
Filed February 5, 1925. Serial No. 209,132. PUBLISHED APRIL 7, 1925.

200,046. COMBINED BABY WALKER AND CAR. WILBUR GLENN VOLIVA, doing business as Zion Institutions & Industries, Zion, Ill.
Filed February 4, 1925. Serial No. 209,113. PUBLISHED APRIL 14, 1925.

200,047. ACID-PROOF CEMENT FOR BUILDING PURPOSES. NEUHAUS-KUOCH CHEMICAL CORPORATION, Buffalo, N. Y.
Filed February 4, 1925. Serial No. 209,100. PUBLISHED APRIL 7, 1925.

200,048. ACID-PROOF CEMENT FOR BUILDING PURPOSES. NEUHAUS-KUOCH CHEMICAL CORPORATION, Buffalo, N. Y.
Filed February 4, 1925. Serial No. 209,099. PUBLISHED APRIL 7, 1925.

200,049. BRAKE LININGS. LEE RUBBER AND TIRE CORPORATION, New York, N. Y.
Filed February 4, 1925. Serial No. 209,093. PUBLISHED MARCH 31, 1925.

200,050. SHOE TREES. JOSEPH GOLDSMITH, JR., doing business as Goldsmith Manufacturing Co., Providence, R. I.
Filed February 4, 1925. Serial No. 209,083. PUBLISHED APRIL 7, 1925.

200,051. POULTRY AND STOCK FEEDING FOOD. WESTERN MARYLAND DAIRY, Baltimore, Md.
Filed February 3, 1925. Serial No. 209,072. PUBLISHED APRIL 7, 1925.

200,052. NONALCOHOLIC, MALTLESS BEVERAGES SOLD AS SOFT DRINKS. THE FITGER COMPANY, Duluth, Minn.
Filed February 3, 1925. Serial No. 209,030. PUBLISHED APRIL 14, 1925.

200,053. HEATING STOVES WHICH USE ARTIFICIAL OR NATURAL GAS, COAL, OR WOOD AS A FUEL. CRESCENT STOVE WORKS, Evansville, Ind.
Filed February 2, 1925. Serial No. 208,959. PUBLISHED APRIL 7, 1925.

200,054. NONALCOHOLIC, MALTLESS BEVERAGES AND CORDIALS SOLD AS SOFT DRINKS AND SIRUPS AND EXTRACTS USED IN THE PREPARATION OF SAME. WILLIAM P. SCHRAMM, Brooklyn, N. Y.
Filed January 31, 1925. Serial No. 208,929. PUBLISHED APRIL 14, 1925.

200,055. MEN'S NECKWEAR—NAMELY, NECKTIES, SCARFS, AND CRAVATS. NATIONAL SHIRT SHOPS, INC., New York, N. Y.
Filed January 29, 1925. Serial No. 208,819. PUBLISHED APRIL 7, 1925.

200,056. FIRE BRICK AND BUILDING BRICK. BIRMINGHAM CLAY PRODUCTS CO., Sibleyville, and Birmingham, Ala.
Filed January 24, 1925. Serial No. 208,556. PUBLISHED MARCH 31, 1925.

200,057. BRICK. ACME BRICK COMPANY, Fort Worth, Tex.
Filed January 24, 1925. Serial No. 208,544. PUBLISHED MARCH 31, 1925.

200,058. BREAD. THE GOLDEN RULE BAKING COMPANY, Kansas City, Mo.
Filed January 29, 1925. Serial No. 208,807. PUBLISHED MARCH 31, 1925.

200,059. CERTAIN TOOLS AND MACHINES. A. B. FARQUHAR COMPANY, LIMITED, York, Pa.
Filed January 29, 1925. Serial No. 208,803. PUBLISHED APRIL 14, 1925.

200,060. WIRE CLOTH AND SCREENS. PACIFIC WIRE WORKS, INC., Seattle, Wash.
Filed January 27, 1925. Serial No. 208,717. PUBLISHED MARCH 31, 1925.

200,061. CRACKERS. CHRISTOPHER CARTLIDGE, doing business as Original Trenton Cracker Company, Trenton, N. J.
Filed January 27, 1925. Serial No. 208,697. PUBLISHED MARCH 31, 1925.

200,062. CHEESE. THE TIFFIN PURE FOOD CORPORATION, Detroit, Mich.
Filed January 26, 1925. Serial No. 208,688. PUBLISHED MARCH 31, 1925.

200,063. OIL-PRESS CLOTH WOVEN OF HUMAN HAIR. SOUTHERN PRESS CLOTH MANUFACTURING COMPANY, Augusta, Ga.
Filed January 26, 1925. Serial No. 208,684. PUBLISHED MARCH 31, 1925.

200,064. HOSIERY. PHILADELPHIA HOSIERY MILLS, Philadelphia, Tenn.
Filed January 26, 1925. Serial No. 208,675. PUBLISHED APRIL 7, 1925.

200,065. WHEAT FLOUR. THE LOUDONVILLE MILLING COMPANY, Loudonville, Ohio.
Filed January 26, 1925. Serial No. 208,665. PUBLISHED MARCH 31, 1925.

200,066. EGGS. CHALLENGE CREAM AND BUTTER ASSOCIATION, Los Angeles, Calif.
Filed January 26, 1925. Serial No. 208,640. PUBLISHED APRIL 7, 1925.

200,067. ICE CREAM. WHEAT'S ICE CREAM COMPANY, Buffalo, N. Y.
Filed January 24, 1925. Serial No. 208,627. PUBLISHED APRIL 7, 1925.

200,068. WARM-AIR REGISTERS. ROCK ISLAND REGISTER COMPANY, Rock Island, Ill.
Filed January 24, 1925. Serial No. 208,612. PUBLISHED MARCH 31, 1925.

200,069. MEN'S UNDERWEAR OF KNITTED OR TEXTILE FABRIC. NATIONAL SHIRT SHOPS, INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,602. PUBLISHED APRIL 7, 1925.

200,070. TIRE CHAINS. HOFF METAL PRODUCTS COMPANY, New York, N. Y.
Filed January 24, 1925. Serial No. 208,591. PUBLISHED APRIL 14, 1925.

200,071. BUMPERS. METAL STAMPING COMPANY, Long Island City, N. Y.
Filed January 23, 1925. Serial No. 208,530. PUBLISHED MARCH 31, 1925.

200,072. LEATHER BELTING. HOLYOKE BELTING COMPANY, Holyoke, Mass.
Filed January 21, 1925. Serial No. 208,400. PUBLISHED MARCH 31, 1925.

200,073. MEN'S, YOUTHS', AND BOYS' SUITS, OVERCOATS, TROUSERS, AND RAINCOATS. SAMUEL YATTER CO., Chicago, Ill.
Filed January 30, 1925. Serial No. 208,885. PUBLISHED APRIL 7, 1925.

200,074. COAL. A. S. NOWLIN & COMPANY, Lynchburg, Va.
Filed January 20, 1925. Serial No. 208,357. PUBLISHED APRIL 7, 1925.

200,075. CANNED PINEAPPLE. PEARL CITY FRUIT CO., LTD., Honolulu, Territory of Hawaii.
Filed February 28, 1925. Serial No. 210,310. PUBLISHED APRIL 14, 1925.

200,076. CANDY. A. G. MORSE CO., INC., Chicago, Ill.
Filed February 24, 1925. Serial No. 210,081. PUBLISHED APRIL 14, 1925.

200,077. DRESSED POULTRY. FREMONT PACKING COMPANY, Fremont, Nebr.
Filed February 25, 1925. Serial No. 210,117. PUBLISHED APRIL 14, 1925.

200,078. IRON AND STEEL IN BILLETS AND BARS. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden.
Filed February 20, 1925. Serial No. 209,906. PUBLISHED APRIL 14, 1925.

200,079. DRESSED POULTRY. THE SALINA POULTRY COMPANY, Salina, Kans.
Filed February 20, 1925. Serial No. 209,942. PUBLISHED APRIL 14, 1925.

200,080. CANNED VEGETABLES, CANNED FRUITS, AND CANNED FISH. GEORGE E. HOWARD, doing business as G. E. Howard & Company, Newburgh, N. Y.
Filed February 24, 1925. Serial No. 210,058. PUBLISHED APRIL 14, 1925.

200,081. RAZOR-BLADE-SHARPENING DEVICE. GUILLERMO B. LANDA, doing business as The Sharpenette Sales Co., New York, N. Y.
Filed February 19, 1925. Serial No. 209,853. PUBLISHED APRIL 14, 1925.

200,082. GRAY-IRON PISTONS. HOLLEY CARBURETOR COMPANY, Detroit, Mich.
Filed February 10, 1925. Serial No. 209,343. PUBLISHED APRIL 14, 1925.

200,083. WHEAT FLOUR. OWENSBORO MILLING CO., Owensboro, Ky.
Filed February 11, 1925. Serial No. 209,427. PUBLISHED APRIL 14, 1925.

200,084. MACHINES AND MACHINE PARTS FOR THE PRINTING AND BOOKBINDING INDUSTRY AND KINDRED INDUSTRIES, ESPECIALLY HIGH-SPEED BOOK-PRINTING MACHINES, AUTOMATIC AND ORDINARY PLATEN PRESSES, FLAT COMPOSITION AND ROTATORY STEREOTYPE PRESSES, OFFSET MACHINES, LITHOGRAPHIC HIGH-SPEED PRESSES, AND ROTATORY PRESSES, SHEET-METAL-PRINTING MACHINES, AUXILIARY BOOK-PRINTING AND BOOKBINDING MACHINES. SCHNELLPRESSENFABRIK AKT.-GES. HEIDELBERG, Heidelberg, Germany.
Filed February 2, 1925. Serial No. 209,007. PUBLISHED APRIL 14, 1925.

200,085. SODA FOUNTAINS AND PARTS THEREOF. SODASTREAM LIMITED, Camden Town, London, England.
Filed February 5, 1925. Serial No. 209,143. PUBLISHED APRIL 14, 1925.

200,086. WELDING WIRE. INTERNATIONAL WELDING ENGINEERING CORPORATION, now by change of name known as C. H. Hollup Corporation, Chicago, Ill.
Filed December 3, 1923. Serial No. 189,160. PUBLISHED APRIL 14, 1925.

200,087. CERTAIN NAMED NAVIGATIONAL AND OTHER SCIENTIFIC APPLIANCES. PIONEER INSTRUMENT COMPANY, Brooklyn, N. Y.
Filed January 31, 1925. Serial No. 208,928. PUBLISHED APRIL 14, 1925.

200,088. FARMING IMPLEMENTS—NAMELY, FEED CUTTERS, CORN SHELLERS, CIDER MILLS, FRUIT AND WINE PRESSES, ROOT CUTTERS, HAY LOADERS, HAMMER-MILL FEEDERS, HAY RAKES, TEDDERS, AND LOADERS. HOCKING VALLEY MFG. CO., Lancaster, Ohio.
Filed February 2, 1925. Serial No. 208,984. PUBLISHED APRIL 14, 1925.

200,089. GASOLINE MARINE MOTORS AND INTERNAL-COMBUSTION ENGINES. NEW YORK YACHT, LAUNCH & ENGINE CO., Morris Heights, New York, N. Y.
Filed January 21, 1925. Serial No. 208,417. PUBLISHED APRIL 14, 1925.

200,090. CAN OPENERS. BUEL COUCH, doing business as Kan Eater Co., Sioux City, Iowa.
Filed January 22, 1925. Serial No. 208,456. PUBLISHED APRIL 14, 1925.

200,091. TRENCH-DIGGING MACHINES. THE CLEVELAND TRENCHER COMPANY, Cleveland, Ohio.
Filed January 29, 1925. Serial No. 208,794. PUBLISHED APRIL 14, 1925.

200,092. FACE MASKS AND SKIN-TREATING APPLIANCES. SUSANNA COCROFT LABORATORIES, INC., New York, N. Y.
Filed January 31, 1925. Serial No. 208,898. PUBLISHED APRIL 14, 1925.

200,093. FISH FOOD. WILLIAM G. MOTION, Los Angeles, Calif.
Filed January 15, 1925. Serial No. 208,155. PUBLISHED APRIL 14, 1925.

200,094. UNIVERSAL JOINTS AND PARTS THEREOF AND JOINTS AND COMPONENT PARTS ENTERING INTO THE CONSTRUCTION OF JOINTS FOR AUTOMOTIVE REPLACEMENT PARTS. NEW ENGLAND AUTO PRODUCTS COMPANY, New Haven, Conn.
Filed January 21, 1925. Serial No. 208,416. PUBLISHED APRIL 14, 1925.

200,095. RAKES. THE G. S. H. SPECIALTY COMPANY, Grand Rapids, Mich.
Filed August 11, 1924. Serial No. 201,235. PUBLISHED APRIL 14, 1925.

200,096. NUT WAFERS. ARCADIA FRENCH PASTRY AND CANDY MFG. CO., New York, N. Y.
Filed December 3, 1924. Serial No. 206,147. PUBLISHED APRIL 14, 1925.

200,097. CANDY. SMARTSET BONBONNIERE, INC., New York, N. Y.
Filed March 2, 1925. Serial No. 210,413. PUBLISHED APRIL 14, 1925.

200,098. FILES. DELTA FILE WORKS, Philadelphia, Pa.
Filed December 5, 1924. Serial No. 206,280. PUBLISHED APRIL 14, 1925.

200,099. STEEL, IRON, AND OTHER CASTINGS; DROP FORGINGS, AND CAST AND FORGED BOILER FITTINGS. EASTERN STEEL CASTINGS, Newark, N. J.
Filed December 16, 1924. Serial No. 206,773. PUBLISHED APRIL 14, 1925.

200,100. CERTAIN NAMED CAST-METAL PRODUCTS OF CORROSION-RESISTING COMPOSITION. THE DURIRON COMPANY, INC., Dayton, Ohio.
Filed December 26, 1924. Serial No. 207,233. PUBLISHED APRIL 14, 1925.

200,101. SANITARY BLOOMERS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed January 6, 1925. Serial No. 207,745. PUBLISHED APRIL 14, 1925.

200,102. VALVES FOR DRAINING LIQUIDS FROM RECEPTACLES—NAMELY, OIL FROM CRANK CASES OF MOTOR VEHICLES. SEATLESS VALVE COMPANY, New York, N. Y.
Filed September 24, 1924. Serial No. 203,008. PUBLISHED APRIL 14, 1925.

200,103. UMBRELLAS, PARASOLS, AND CANES. BIEBING & ALTSHULER INC., New York, N. Y.
Filed February 27, 1925. Serial No. 210,218. PUBLISHED APRIL 14, 1925.

200,104. SUITS AND COATS FOR MEN AND BOYS. SAMPECK CLOTHES, INC., New York, N. Y.
Filed February 27, 1925. Serial No. 210,253. PUBLISHED APRIL 14, 1925.

200,105. COTTON THREADS AND YARNS. RICHARDSON SILK COMPANY, Chicago, Ill., and New York, N. Y.
Filed August 8, 1921. Serial No. 151,563. PUBLISHED NOVEMBER 29, 1921.

200,106. LUBRICATING RINGS AND LUBRICATING THRUST RINGS. THE UNITED STATES GRAPHITE CO., Saginaw, Mich.
Filed February 16, 1924. Serial No. 192,457. PUBLISHED APRIL 14, 1925.

200,107. CERTAIN TOOLS AND MACHINES. MERSEN-JOHNSON MACHINE CO., Minneapolis, Minn.
Filed June 14, 1924. Serial No. 198,579. PUBLISHED APRIL 14, 1925.

200,108. SOCKETS OF FIBROUS MATERIAL FOR USE IN SECURING SCREWS, NAILS, HOOKS, POINTED OBJECTS IN METAL, STONE, GLASS, AND SIMILAR MATERIALS. HANS LOEWENSTEIN, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany.
Filed July 18, 1924. Serial No. 200,206. PUBLISHED APRIL 14, 1925.

200,109. PNEUMATIC-TUBE SYSTEMS AND PARTS THEREOF. G. & G. ATLAS SYSTEMS INC., New York, N. Y.
Filed October 7, 1924. Serial No. 203,512. PUBLISHED APRIL 14, 1925.

200,110. FRESH ORANGES. EDISON CITRUS ASSOCIATION, Edison, Calif.
Filed November 26, 1924. Serial No. 205,819. PUBLISHED APRIL 14, 1925.

200,111. DRESS AND NEGLIGEE SHIRTS. CLUETT, PEABODY & CO. INC., Troy, N. Y.
Filed February 20, 1925. Serial No. 209,897. PUBLISHED APRIL 14, 1925.

200,112. WOMEN'S, MEN'S, AND CHILDREN'S KNITTED SWEATERS, HOSIERY, AND KNITTED UNDERWEAR. THE CAMEO CORPORATION, New York, N. Y.
Filed February 21, 1925. Serial No. 209,974. PUBLISHED APRIL 14, 1925.

200,113. HOSIERY. STRAWBRIDGE & CLOTHIER, Philadelphia, Pa.
Filed February 24, 1925. Serial No. 210,089. PUBLISHED APRIL 14, 1925.

200,114. BURIAL DRESSES AND SUITS. INTERSTATE CASKET COMPANY, Kansas City, Mo.
Filed February 24, 1925. Serial No. 210,059. PUBLISHED APRIL 14, 1925.

200,115. SILK PIECE GOODS. HESS, GOLDSMITH & CO., INC., New York, N. Y.
Filed February 7, 1925. Serial No. 209,215. PUBLISHED APRIL 14, 1925.

200,116. MUFFLERS. WEISS & ZAHLER, New York, N. Y.
Filed February 12, 1925. Serial No. 209,513. PUBLISHED APRIL 7, 1925.

200,117. MEN'S AND BOYS' WORK SHIRTS AND BOYS' BLOUSES. RELIANCE MANUFACTURING COMPANY, Chicago, Ill.
Filed February 6, 1925. Serial No. 209,175. PUBLISHED APRIL 14, 1925.

200,118. CIGARETTES. REED TOBACCO COMPANY, Richmond, Va.
Filed February 4, 1925. Serial No. 209,107. PUBLISHED APRIL 7, 1925.

200,119. MEN'S CLOTHING—VIZ, COATS, SUITS, AND KNICKERS; AND MEN'S HABERDASHERY, VIZ, TIES, DRESS AND NEGLIGEE SHIRTS, LEATHER AND FABRIC GLOVES, AND SCARFS. JOHN R. MUNN, doing business as J. R. Munn Co., New York, N. Y.
Filed February 3, 1925. Serial No. 209,053. PUBLISHED APRIL 14, 1925.

200,120. DRESS PATTERNS OF VOILE AND OTHER MATERIAL OF COTTON AND SILK AND COTTON MIXTURE IN THE PIECE, SHOWING DRESS PATTERNS READY TO BE CUT AND WHEN CUT READY TO BE SEWED INTO A DRESS GARMENT. YORK MANUFACTURING CO. INC., New York, N. Y.
Filed January 23, 1925. Serial No. 208,548. PUBLISHED APRIL 7, 1925.

200,121. DRESS, NEGLIGEE, SPORT, AND UNDER SHIRTS, COLLARS, AND CUFFS. EARL & WILSON, Troy, N. Y., assignor to Cluett, Peabody & Co., Inc., Troy, N. Y., a Corporation of New York.
Filed January 21, 1925. Serial No. 208,387. PUBLISHED APRIL 14, 1925.

200,122. MEN'S FURNISHINGS. WALTER G. BECKER, Philadelphia, Pa.
Filed January 16, 1925. Serial No. 208,180. PUBLISHED APRIL 14, 1925.

200,123. MEN'S FURNISHINGS—VIZ, BATHING SUITS, BATH ROBES, BELTS FOR PERSONAL WEAR, COLLARS (SOFT AND STIFF), CAPS FOR MEN AND BOYS, DRESSING ROBES, DRESS VESTS, FLANNEL TROUSERS, GOLF HOSE, GARTERS, LEATHER GLOVES, HOSIERY, HATS FOR MEN AND BOYS (STIFF AND SOFT), KNICKERS, LOUNGING ROBES, NECKTIES, OVERCOATS, NIGHTSHIRTS, PYJAMAS, SHIRTS (DRESS AND NEGLIGEE), SUSPENDERS, SCARFS, MUFFLERS, SPORT VESTS, SWEATERS, SUITS FOR MEN AND BOYS (BUSINESS AND DRESS), SPORT SUITS FOR MEN AND BOYS, SHOES AND SLIPPERS OF LEATHER, UNDERWEAR OF TEXTILE FABRIC, AND SMOKING JACKETS. WALTER G. BECKER, Philadelphia, Pa.
Filed January 13, 1925. Serial No. 208,036. PUBLISHED APRIL 14, 1925.

200,124. MEN'S, BOYS', AND YOUTHS' STREET CLOTHES—TO WIT, SUITS, VESTS, COATS, AND TROUSERS. JOHN B. MANLY COMPANY, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,085. PUBLISHED APRIL 7, 1925.

200,125. CHINAWARE. NATHAN STRAUS & SONS, INC., New York, N. Y.
Filed December 11, 1924. Serial No. 206,601. PUBLISHED APRIL 14, 1925.

200,126. CRAVATS, MUFFLERS, NECKTIES, AND REEFERS. MADE WELL KNITTING MILLS, INC., New York, N. Y.
Filed May 8, 1924. Serial No. 196,532. PUBLISHED APRIL 14, 1925.

200,127. CANNED VEGETABLES—NAMELY, CORN, PEAS, AND PUMPKIN. NAOMI CANNING CO., doing business as Edinburg Canning Co., Edinburg, Ind.
Filed February 28, 1925. Serial No. 210,306. PUBLISHED APRIL 14, 1925.

200,128. GINGER ALE. HERBERT GUGGENHEIM, doing business as The Guggenheim Co., Washington, D. C. Filed February 26, 1925. Serial No. 210,167. PUBLISHED APRIL 14, 1925.

200,129. SMOKING TOBACCO AND CIGARETTES. COPE BROS. & CO., LIMITED, Liverpool and London, England. Filed February 26, 1925. Serial No. 210,163. PUBLISHED APRIL 14, 1925.

200,130. SMOKING TOBACCO AND CIGARETTES. COPE BROS. & CO., LIMITED, Liverpool and London, England. Filed February 26, 1925. Serial No. 210,162. PUBLISHED APRIL 14, 1925.

200,131. CANDY. PAUL F. BEICH COMPANY, Chicago and Bloomington, Ill. Filed February 24, 1925. Serial No. 210,034. PUBLISHED APRIL 14, 1925.

200,132. CAST-IRON PIPE FITTINGS. PITTSBURGH ENGINEERING COMPANY, Jeannette, Pa. Filed February 20, 1925. Serial No. 209,988. PUBLISHED APRIL 14, 1925.

200,133. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed February 20, 1925. Serial No. 209,907. PUBLISHED APRIL 14, 1925.

200,134. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed February 20, 1925. Serial No. 209,904. PUBLISHED APRIL 14, 1925.

200,135. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed February 20, 1925. Serial No. 209,902. PUBLISHED APRIL 14, 1925.

200,136. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed February 20, 1925. Serial No. 209,901. PUBLISHED APRIL 14, 1925.

200,137. ROLLED, DRAWN, AND FORGED IRON AND STEEL. FAGERSTA BRUKS AKTIEBOLAG, Fagersta, Sweden. Filed February 20, 1925. Serial No. 209,900. PUBLISHED APRIL 14, 1925.

200,138. TOY BUILDING BLOCKS AND DEMOUNTABLE TOYS. ELIZABETH WALKER, Minneapolis, Minn. Filed February 19, 1925. Serial No. 209,883. PUBLISHED APRIL 14, 1925.

200,139. SWEATERS OF ALL KINDS. MANHATTAN KNITTING MILLS, New York, N. Y. Filed February 18, 1925. Serial No. 209,799. PUBLISHED APRIL 7, 1925.

200,140. DRESSES AND FROCKS. SHEER BROS., New York, N. Y. Filed February 17, 1925. Serial No. 209,764. PUBLISHED APRIL 7, 1925.

200,141. NECKTIES. JAMES MCCURRACH & BROTHER, New York, N. Y. Filed February 17, 1925. Serial No. 209,740. PUBLISHED APRIL 7, 1925.

200,142. NECKTIES. JAMES MCCURRACH & BROTHER, New York, N. Y. Filed February 17, 1925. Serial No. 209,739. PUBLISHED APRIL 7, 1925.

200,143. GOLF CLUBS. MOREHEAD GOLF COMPANY, Milwaukee, Wis. Filed February 16, 1925. Serial No. 209,677. PUBLISHED APRIL 14, 1925.

200,144. LATHES, REAMERS, GRINDERS, BOTTLE CAPPERS, GARAGE TOOLS, BENDING MACHINES, PAINTING MACHINES, DIES, PUNCHERS, WATER-SOFTENING APPARATUS, AND ASH-HANDLING EQUIPMENT. WILLIAM R. MOORE, Jr., doing business as Moore Engineering Company, Hagerstown, Md. Filed February 16, 1925. Serial No. 209,676. PUBLISHED APRIL 14, 1925.

200,145. CIGARS AND ALL-TOBACCO CIGARETTES. FITZPATRICK & DRAPER, Kingston, N. Y. Filed February 16, 1925. Serial No. 209,632. PUBLISHED APRIL 14, 1925.

200,146. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. J. G. FOX, doing business as J. G. Fox & Company, Seattle, Wash. Filed February 14, 1925. Serial No. 209,568. PUBLISHED APRIL 14, 1925.

200,147. CREAM FOR THE FACE, HANDS, SKIN, AND COMPLEXION. A. S. HINDS CO., Portland, Me. Filed February 12, 1925. Serial No. 209,476. PUBLISHED APRIL 14, 1925.

200,148. TRACTORS. CLARK TRUCTRACTOR COMPANY, Buchanan, Mich. Filed February 12, 1925. Serial No. 209,461. PUBLISHED APRIL 7, 1925.

200,149. VEGETABLE GLUE. F. W. TUNNELL & COMPANY, INC., Philadelphia, Pa. Filed February 11, 1925. Serial No. 209,443. PUBLISHED APRIL 14, 1925.

200,150. PERFUME. BEATRICE MEYER, LTD., New York, N. Y. Filed February 11, 1925. Serial No. 209,423. PUBLISHED APRIL 14, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

200,151. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) QUICK-HEAT COMPANY INC., New York, N. Y. Filed Feb. 11, 1925. Serial No. 209,431.

QUICK HEAT

Particular description of goods.—Solidified Alcohol.
Claims use since about Jan. 30, 1923.

200,152. (CLASS 35. BELTING, HOSE, MACHINERY PACKING, AND NONMETALLIC TIRES.) T. O. PROBEY COMPANY, INC., Washington, D. C., assignor to Probey's Incorporated, Washington, D. C. Filed Mar. 28, 1925. Serial No. 211,802.

PAY AS YOU RIDE

Particular description of goods.—Automobile Tires.
Claims use since Feb. 1, 1924.

200,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LEON F. CAUMONT, doing business as The Kemolene Company, New York, N. Y. Filed Apr. 6, 1925. Serial No. 212,234.

HOT SPRINGS BATH CONCENTRATE

Particular description of goods.—External Liquid Remedy for the Treatment of Rheumatism, and a Reconstructive Tonic.
Claims use since about March, 1914.

200,154. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) STEPHEN SANFORD & SONS, INC., Amsterdam, N. Y. Filed Apr. 28, 1925. Serial No. 213,459.

WESTCHESTER

Particular description of goods.—Knitted Fabric Carpets and Rugs.
Claims use since Apr. 1, 1924.

200,155. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BURNHAM MANUFACTURING CO., Charles City, Iowa. Filed Apr. 27, 1925. Serial No. 213,359.

KELLEY KAR

Particular description of goods.—Coaster Wagons.
Claims use since Jan. 1, 1920.

200,156. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) C. B. WAGNER, Jr., doing business as Wagner Specialty Co., Burlington, Wis. Filed Apr. 13, 1925. Serial No. 212,658.

Pierceasy

Particular description of goods.—Bull Rings.
Claims use since 1916.

200,157. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PASADENA BISCUIT COMPANY, Pasadena, Calif. Filed Apr. 11, 1925. Serial No. 212,570.

HONEY GRAHAMS

Particular description of goods.—Graham Crackers Made with Honey.
Claims use since June, 1923.

200,158. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DANIEL J. WHOLEY, doing business as Dr. Joslin Medical Co., Lowell, Mass. Filed Apr. 10, 1925. Serial No. 212,515.

Van's Penny Royal HOT DROPS

Particular description of goods.—Medicine for Use in the Treatment of Diarrhea, Cramps, Cholera Morbus, Colic, Colds, Chills, Cholera Infantum, Indigestion, and Female Disorders.
Claims use since Jan. 1, 1903.

200,159. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL BORING MACHINE COMPANY, Hudson, Mass. Filed Apr. 8, 1925. Serial No. 212,412.

THE ORIGINAL TRI-WAY

Particular description of goods.—Boring Machines.
Claims use since Jan. 1, 1921.

200,160. (CLASS 5. ADHESIVES.) HOLYOKE BELTING COMPANY, Holyoke, Mass. Filed Apr. 6, 1925. Serial No. 212,262.

QUICK SET

Particular description of goods.—Belt Cement.
Claims use since Mar. 1, 1910.

200,161. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) UNIVERSAL BORING MACHINE COMPANY, Hudson, Mass. Filed Apr. 8, 1925. Serial No. 212,411.

UNIVERSAL HORIZONTAL BORING MACHINE

Particular description of goods.—Boring Machines.
Claims use since Jan. 1, 1910.

200,162. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALI MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 8, 1925. Serial No. 212,144.

"SILK PHOSPHATE"

Particular description of goods.—Compound Used for Tin Weighting of Silk.
Claims use since January, 1924.

200,163. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) KALI MANUFACTURING CO., Philadelphia, Pa. Filed Apr. 3, 1925. Serial No. 212,145.

"Art Silk Boil Off Oil"

Particular description of goods.—Compound Used for Boiling out the Oil and Foreign Substance from Silk and Artificial Silk.
Claims use since July, 1923.

200,164. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE DOW CHEMICAL COMPANY, Midland, Mich. Filed Apr. 2, 1925. Serial No. 212,061.

MIDLAND VAT BLUE GB

Particular description of goods.—Vat Dyes.
Claims use for not less than one year.

200,165. (CLASS 2. RECEPTACLES.) UNITED STEEL AND WIRE COMPANY, Battle Creek, Mich. Filed Mar. 30, 1925. Serial No. 211,881.

Saleslaskets

Particular description of goods.—Display and Counter Baskets.
Claims use since Feb. 1, 1924.

200,166. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ADRIANA M. CHAMPION, doing business as Non-Pareil Cosmetic Co., Wichita, Kans. Filed Mar. 26, 1925. Serial No. 211,668.

NONPAREIL

Particular description of goods.—Antiseptic Oil, Bandoline, Brilliantine, Complexion Beautifier, Complexion Meal, Cosmetic Jelly, Massage Cream, Cold Cream, Cleansing Cream, Depilatory, Hair Tonic, Astringent, Lavender and Pine-Needle Lotions, Nail Bleach, Nail Polish, Perfume, Acne Powder, Face Powder, Talcum Powder, Rouge, and Toilet Water.
Claims use since 1923.

200,167. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FALK & REBS CHEMICAL COMPANY, Minneapolis, Minn. Filed Mar. 25, 1925. Serial No. 211,578.

MARSHALL'S

Particular description of goods.—Hand Lotion and Camphor Cream.
Claims use since on or about Aug. 1, 1922.

200,168. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) ILLINOIS OIL COMPANY, Rock Island, Ill. Filed Mar. 7, 1925. Serial No. 210,666.

PREMIER PAINT

Particular description of goods.—Ready-Mixed Paints.
Claims use since May 6, 1918.

200,169. (CLASS 35. PRINTS AND PUBLICATIONS.) EMIL E. UHLER, doing business as Theatrical Poster Co., Chicago, Ill. Filed Feb. 26, 1925. Serial No. 210,199.

THEATRICAL POSTER CO.

Particular description of goods.—Show Signs, Posters, Display Cut-Outs, and Placards.
Claims use since about Oct. 1, 1920.

200,170. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH N. HARLOW, Hannibal, Mo. Filed Feb. 26, 1925. Serial No. 210,168.

HARLOW'S

Particular description of goods.—Preparation Used in the Treatment of Corns.
Claims use since Jan. 1, 1924.

200,171. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FOOD PRODUCTS LTD., London, England. Filed Mar. 27, 1923. Serial No. 178,097.

BOVO-LACTIN.

Particular description of goods.—Flavoring Essence, Chocolate, Pea Soup, and Gruel.
Claims use for not less than one year.

200,172. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) WILLIAM BRAND & CO., New York, N. Y. Filed Apr. 13, 1923. Serial No. 179,089.

JAROSLAW

Particular description of goods.—Raw Mica.
Claims use since February, 1922.

200,173. (CLASS 29. BROOMS, BRUSHES, AND DUSTERS.) MAX GRUMBACHER, New York, N. Y. Filed Dec. 1, 1923. Serial No. 189,123.

Setwell

Particular description of goods.—Artists' Brushes.
Claims use since Oct. 1, 1923.

200,174. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) WAPPLER ELECTRIC COMPANY, INC., Long Island City, N. Y. Filed Mar. 25, 1924. Serial No. 194,423.

ENDOTHERM

Particular description of goods.—High-Frequency Electric Machines Employed in Desiccation Surgery.
Claims use since Dec. 11, 1923.

200,175. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) THE COLUMBUS MACHINE CO., Columbus, Ohio. Filed Apr. 8, 1924. Serial No. 195,156.

HY-TEST FORGED

Particular description of goods.—Valves and Certain Named Pipe Fittings.
Claims use since Apr. 8, 1924.

200,176. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) JAS. H. PRINCE PAINT COMPANY, Boston, Mass. Filed Apr. 18, 1924. Serial No. 195,763.

CONCORD

Particular description of goods.—Mixed Paint and Paste Paint Adapted for Use on Carriages and Automotive Constructions.
Claims use since September, 1910.

200,177. (CLASS 32. FURNITURE AND UPHOLSTERY.) JOSEPHINE S. WATERHOUSE, doing business as Waterhouse Manufacturing Co., and J. S. Waterhouse, Los Angeles, Calif. Filed Apr. 21, 1924. Serial No. 195,930.

WATERHOUSE

Particular description of goods.—Baby Yards.
Claims use since July, 1922.

200,178. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) DAVID A. BENNETT, Chicago, Ill. Filed Apr. 26, 1924. Serial No. 196,149.

FACIAL FILM

Particular description of goods.—Chemical Preparation for the Treatment of the Skin.
Claims use since Apr. 5, 1924.

200,179. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) F. C. HUYCK & SONS, Albany, N. Y. Filed May 16, 1924. Serial No. 197,150.

WATER REMOVAL FELTS

Particular description of goods.—Paper-Makers' Felts.
Claims use since Feb. 20, 1924.

200,180. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) BETHLEHEM SHIPBUILDING CORPORATION, LTD., Bethlehem, Pa. Filed May 20, 1924. Serial No. 197,315.

BETHLEHEM

Particular description of goods.—Boats and Vessels—Namely, Barges, Scows, Ferry, Life, Freight, Passenger, Sail, Submarine, Steel, Torpedo, Tow and Tug Boats, Also Lighters, Oil Tankers, Cargo, Refrigerator, and Motor Boats and Vessels, and Yachts, Brake Beams; Railroad and Other Cars—Namely, Ballast, Billet, Ingot, Coal, Coke, Dining, Dredging, Drop-Bottom, Dump, Flat, Freight, Gondola, Hopper, Logging, Mail, Mine, Observation, Ore, Passenger, Quarry, and Tank Cars; Railway Draft Gear, Drawbars, and Attachments, Metal Wheels for Cars and for Vehicles; Metal Tires, Rudder Arms, Steering Columns, Draft Gear, Links for Car Couplings, Steam Steerers, Propeller Wheels, Wheels for Railroad Cars and Other Rolling Stock (Excepting for Locomotives), Vehicle Wheels, Steering Wheels, Blades for Propellers, Brake Beams, Keys for Brake Shoes, Air-Brake Pins, Car-Coupler Pins, Knuckle Pins, and Ship Propellers.
Claims use since 1918.

200,181. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) WILLIAM B. HICKS, doing business as Nutmeat Specialty Co., Syracuse, N. Y. Filed May 21, 1924. Serial No. 197,374.

NUTMEAT

Particular description of goods.—Sandwiches.
Claims use since Apr. 28, 1924.

200,182. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) C. B. C. FILM SALES CORPORATION, New York, N. Y. Filed June 2, 1924. Serial No. 197,927.

PERFECTION PICTURES

Particular description of goods.—Moving Pictures.
Claims use since May 1, 1924.

200,183. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) FREDERICK W. WHILES, Los Angeles, Calif. Filed Aug. 11, 1924. Serial No. 201,269.

Blue Gum Salve
(BLUGUM)

Particular description of goods.—Salve for External Application in the Treatment of Infections, Irritations, Inflammations, or Eruptions of the Skin, Such as Acne, Burns, Bruises, Boils, Barber's Itch, Blackheads, Cuts, Chilblains, Chapping, Chafing, Dandruff, Eczema, Frostbite, Irritations, Inflammation, Insect Bites, Itching, Neuralgia, Pimples, Prickly Heat, Poison Oak, Poison Ivy, Piles, Roughness, Rash, Ringworm, Rheumatism, Scalding, Scales, Sores, Sunburn, Salt Rheum, Sore Feet, Tetter, Ulcers, and Windburn.
Claims use since Apr. 1, 1924.

200,184. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DRAGER FRUIT CO., Salem, Oreg. Filed Aug. 27, 1924. Serial No. 201,926.

DRAGER'S

SANITARY PROCESS

Particular description of goods.—Canned Prunes.
Claims use since 1913.

200,185. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CATRON & MASSINGALE, Somerset, Ky. Filed May 31, 1924. Serial No. 197,863.

MASSINGALE'S

Particular description of goods.—Medicine for the Treatment of Epilepsy, Nervous Diseases, Nervous Headaches, Kidney Diseases, Constipation, Falling Sickness, Spasms, Etc.
Claims use since May 8, 1924.

200,186. (CLASS 50. MERCHANDISE NOT OTHERWISE CLASSIFIED.) THE AUTOMATIC INCUBATOR CO., Delaware, Ohio. Filed Aug. 29, 1924. Serial No. 201,997.

THE AUTOMATIC

Particular description of goods.—Incubators and Brooders.
Claims use since 1914.

200,187. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) AMERICAN FURNACE COMPANY, St. Louis, Mo. Filed Dec. 4, 1924. Serial No. 206,208.

THERMO

Particular description of goods.—Wood, Coal, Oil, or Gas Burning Furnaces and Heaters.
Claims use since about August, 1914.

200,188. (CLASS 39. CLOTHING.) BONWIT TELLER & COMPANY, New York, N. Y. Filed Jan. 27, 1925. Serial No. 208,696.

Bonwit Teller & Co.

Particular description of goods.—Misses' and Women's Suits, Coats, Knickers, Riding Breeches, Riding Habits, Dresses, Shirts, Underwear of Knitted, Netted, and Textile Fabric, Nightgowns, Pyjamas, Night and Day Robes, Bath Robes, Beach Robes, Raincoats, Waists, Vests, Sweaters, Neckties, Scarfs, Guimpes, Collar and Cuff Sets, Modesties, Hats, Hosiery, Hose Supporters, Corsets, Brassières, Combination Corsets and Brassières, Garter Belts, Negligees, Petticoats, Slips, Bathing Suits, Slippers, Shoes, and Boots of Leather, Rubber, Fabric, Leather and Rubber, Leather and Fabric, or Rubber and Fabric; Overshoes, Spats, Caps, Gloves of Leather, Rubber, Fabric, and Combinations Thereof, Feather Boas, Garters, Belts for Personal Wear, Girdles, Aprons, Cloaks, Shawls, Blouses, Kimonos, Fur Coats, Fur Capes, Fur Wraps, Fur Neckpieces, Fur Collars, and Fur Jackets.
Claims use for not less than one year.

200,189. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SAN JOAQUIN BAKING CO., Fresno, Calif. Filed Feb. 10, 1925. Serial No. 209,367.



Particular description of goods.—Bread.
Claims use since Jan. 8, 1915.

TRADE-MARK REGISTRATIONS RENEWED

45,521. BAKING POWDER AND COOKING SODA. Registered August 22, 1905. SOUTHERN SODA WORKS COMPANY, Nashville, Tenn., a Corporation of Tennessee. Renewed August 22, 1925.

45,675. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

45,676. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

45,677. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

45,701. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

45,702. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

45,703. LEAF TOBACCO. Registered August 29, 1905. W. T. GRANT & Co., Louisville, Ky. Renewed August 29, 1925, to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky., a Corporation of Great Britain, assignee.

46,471. A MEDICAL, TOILET, AND SHAVING SOAP. Registered September 19, 1905. PARFIELD SOAP COMPANY, Brooklyn, N. Y. Renewed September 19, 1925.

46,656. CANDY. Registered October 3, 1905. REYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed October 3, 1925.

46,657. CANDY. Registered October 3, 1905. REYMER & BROTHERS, INCORPORATED, Pittsburgh, Pa., a Corporation of Pennsylvania. Renewed October 3, 1925.

46,781. FILES AND RASPS. Registered October 10, 1905. ARCADE FILE WORKS, Anderson, Ind., a Corporation of Indiana. Renewed October 10, 1925.

46,901. BAKING SODA, SALERATUS, AND BAKING POWDER. Registered October 17, 1905. CHURCH & DWIGHT COMPANY, New York, N. Y., a Corporation of Maine. Renewed October 17, 1925.

46,902. SAL SODA. Registered October 17, 1905. CHURCH & DWIGHT COMPANY, New York, N. Y., a Corporation of Maine. Renewed October 17, 1925.

47,075. LIQUID OR READY-MIXED PAINTS. Registered October 24, 1905. JAMES F. KURFEES PAINT CO. Renewed October 24, 1925, to J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., a Corporation of Kentucky, successor.

47,426. BOOKS. Registered November 7, 1905. LOTHROP, LEE & SHEPARD CO., Boston, Mass., a Corporation of Massachusetts. Renewed November 7, 1925.

47,462. PREPARATIONS FOR TREATMENT OF CERTAIN NAMED DISEASES. Registered November 7, 1905. S. H. WINSTEAD MEDICINE CO., Paducah, Ky. Renewed November 7, 1925, to Paris Medicine Company, St. Louis, Mo., a Corporation of Delaware, assignee.

LABELS

REGISTERED JUNE 23, 1925.

28,848.—*Title:* MILO JOY. For Chewing Gum. ABRAHAM COLKER, doing business as A. Colker Mfg. Co., Newport, Ky. Published March 11, 1925.

28,849.—*Title:* WILSHIRE. For Women's Cloaks. FRENCH-AMERICAN CLOAK & SUIT MFG. CO., Los Angeles, Calif. Published February 1, 1924.

28,850.—*Title:* EGYPTOL JUNIOR. For Egyptol, Jr., a Medicinal Preparation. GATLIN LABORATORIES, INC., Minneapolis, Minn. Published January 10, 1925.

28,851.—*Title:* EGYPTOL RED CAPS. For a Medicinal Product. GATLIN LABORATORIES, INC., Minneapolis, Minn. Published January 10, 1925.

28,852.—*Title:* SWEETHEART BATH SALTS. For Bath Salts. EDW. HUNSINGER, Cleveland, Ohio. Published June 10, 1922.

28,853.—*Title:* BLUE SEAL EXTRA FANCY. For Bananas. F. INZERILLO & Co., Kansas City, Mo. Published February 2, 1925.

28,854.—*Title:* RED SEAL FANCY. For Bananas. F. INZERILLO & Co., Kansas City, Mo. Published February 2, 1925.

28,855.—*Title:* HEIDELBERG BRAND MALT EXTRACT. For Malt Extract. EMIL KUEHN, doing business as Schrumm-Schrumm Co., Chicago, Ill. Published January 10, 1925.

28,856.—*Title:* HOMAID BUTTER. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Kaplan & Levine, New York, N. Y. Published January 22, 1925.

28,857.—*Title:* GOLD LABEL. For Butter. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to McLeansboro Creamery Company, McLeansboro, Ill. Published May 11, 1925.

28,858.—*Title:* B. & B. POLYCHROME CLAY. For Metal Packages Containing Polychrome Clay. POLYCHROME SUPPLY COMPANY, St. Louis, Mo. Published April 6, 1925.

28,859.—*Title:* PACKED FOR SAFEWAY STORES, INCORPORATED. For Matches. SAFEWAY STORES, INCORPORATED, Los Angeles, Calif. Published March 18, 1925.

28,860.—*Title:* GINGHAM SOCKS. For Hosiery. TORWEAR HOSIERY INC., Norristown, Pa. Published March 16, 1925.

PRINTS

REGISTERED JUNE 23, 1925.

8,004.—*Title:* SPECIAL OFFER NO. For Perfume. THE BABBITT CO. INC., Philadelphia, Pa. Published April 24, 1925.

8,005.—*Title:* XTRA-TAPS. For Electrical Wiring Devices. BEAVER MACHINE & TOOL CO. INC., Newark, N. J. Published April 1, 1925.

8,006.—*Title:* SHOW IT AND SELL IT. For Store Equipment. DULUTH SHOW CASE COMPANY, Duluth, Minn. Published November 15, 1924.

8,007.—*Title:* CRANE'S CORDLINEAR. For Paper. EATON, CRANE & PIKE COMPANY, Pittsfield, Mass. Published February 1, 1925.

8,008.—*Title:* FOUR OUT OF FIVE NOW LOSE! For Preparation for the Teeth. FORHAN COMPANY, New York, N. Y. Published February 20, 1925.

8,009.—*Title:* THE GRIPNSTIK CO. For Tools. THE GRIPNSTIK COMPANY, Dover, Ohio. Published April 25, 1924.

8,010.—*Title:* PRINT YOUR CHRISTMAS CARDS. For Christmas Cards. KING CARD COMPANY, Philadelphia, Pa. Published March 12, 1925.

8,011.—*Title:* TASTE IT! SMELL IT! IT'S ENTIRELY DIFFERENT! For Malt Extract. THE RED TOP MALT EXTRACT CO., Cincinnati, Ohio. Published April 3, 1925.

8,012.—*Title:* SENSITIVE TEETH WARN OF ACID DECAY AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published February 8, 1925.

8,013.—*Title:* SAFEGUARD YOUR HEALTH AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published January 18, 1925.

8,014.—*Title:* YOU, TOO, ARE WARNED OF TROUBLE AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 28, 1924.

8,015.—*Title:* THE PERIL AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published September 26, 1924.

8,016.—*Title:* SAFEGUARD YOUR HEALTH AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published September 12, 1924.

8,017.—*Title:* BEWARE! WARNS THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 16, 1924.

8,018.—*Title:* STOP ACID DECAY AT THE DANGER LINE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published February 1, 1925.

8,019.—*Title:* WATCH THE DANGER LINE! For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published September 19, 1924.

8,020.—*Title:* PREVENTION. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published November 14, 1924.

8,021.—*Title:* PLATE NO. 1. For No. 1 Diamoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published March 17, 1925.

8,022.—*Title:* PLATE NO. H2. For No. 2 Hexoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published March 17, 1925.

8,023.—*Title:* PLATE NO. H1. For No. 1 Hexoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published March 17, 1925.

8,024.—*Title:* LIST OF MEMBERS. For Lumber and Lumber Products. WESTERN PINE MANUFACTURERS ASSOCIATION, Portland, Oreg. Published February 16, 1925.

REISSUES

JUNE 23, 1925.

16,100. PAPER-MAKING MACHINE. JOHN D. TOMPKINS, Valatie, N. Y. Filed Feb. 21, 1925. Serial No. 10,967. Original No. 1,454,606, dated May 8, 1923. Serial No. 459,032, filed Apr. 6, 1921. 17 Claims. (Cl. 92—49.)



1. A paper making machine comprising an upper couch roll carrying a felt apron, a lower couch roll carrying a forming wire, said upper couch roll being located in advance of and out of contact with said lower couch roll and being adapted to press the felt apron into contact with the paper web carried by the forming wire.

16,101. ROPE STRUCTURE. HERBERT VERNET WHITLOCK, Elizabeth, N. J., assignor to Whitlock Cordage Company, Jersey City, N. J., a Corporation of New Jersey. Filed Dec. 30, 1924. Serial No. 758,947. Original No. 1,442,790, dated Jan. 16, 1923, Serial No. 563,598, filed May 25, 1922. 10 Claims. (Cl. 117—52.)

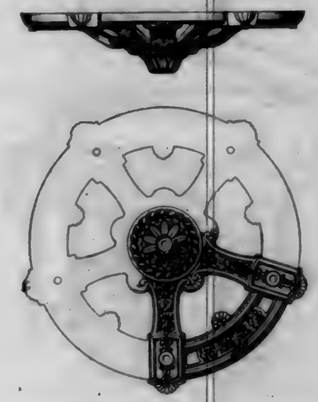


1. A rope structure comprising a plurality of strands laid together in twisted relation to form the finished rope, each of said strands comprising a core of fibers laid parallel to one another in substantially untwisted relation and a covering of spun yarns, said yarns being spirally laid about the core and in contact with one another throughout their length.

DESIGNS

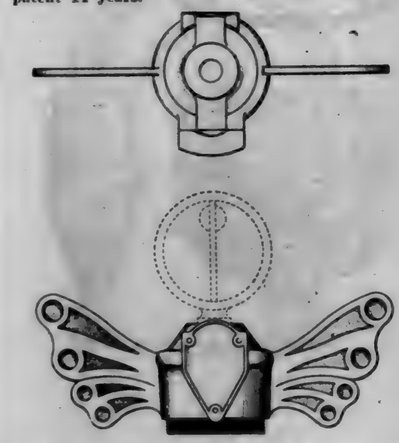
JUNE 23, 1925.

67,640. PLATE FOR LIGHTING FIXTURES. HERMAN ABRAMS, Philadelphia, Pa., assignor to Crescent Brass Mfg. Co., Reading, Pa. Filed Nov. 4, 1924. Serial No. 11,291. Term of patent 7 years.



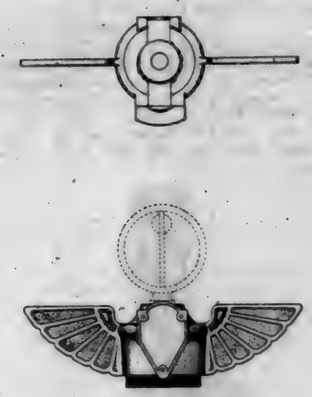
The ornamental design for a plate for lighting fixtures substantially as shown.

67,641. RADIATOR CAP. DAVID W. BLANC, Chicago, Ill. Filed May 8, 1925. Serial No. 13,362. Term of patent 14 years.



The ornamental design for a radiator cap substantially as shown.

67,642. RADIATOR CAP. DAVID W. BLANC, Chicago, Ill. Filed May 8, 1925. Serial No. 13,363. Term of patent 14 years.



The ornamental design for a radiator cap substantially as shown.

67,643. AUTOMOBILE SIGNAL CASING. CARL T. BLOOM, Oakland, Calif., assignor of one-half to Lee Tung, Oakland, Calif. Filed Apr. 4, 1925. Serial No. 13,021. Term of patent 14 years.



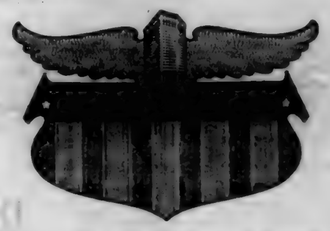
The ornamental design for an automobile signal casing, as shown.

67,644. PAPER WEIGHT. HAROLD BROWN, Kansas City, Kans. Filed June 5, 1924. Serial No. 9,806. Term of patent 3½ years.



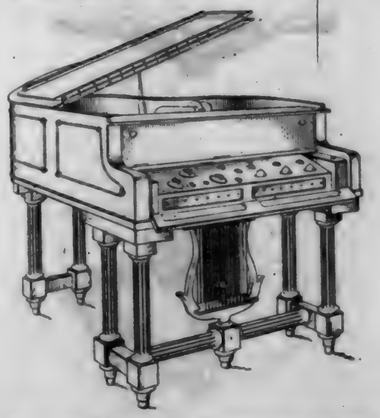
The ornamental design for paper weight as shown.

67,645. ADVERTISING SIGN OR SIMILAR ARTICLE. FRANK J. CAMPBELL, Detroit, Mich., assignor to First National Bank in Detroit, Detroit, Mich., a Corporation. Filed Apr. 26, 1924. Serial No. 9,414. Term of patent 14 years.



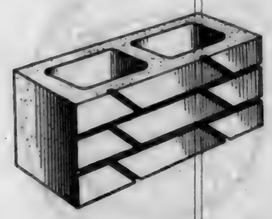
The ornamental design for an advertising sign or similar article, as shown.

67,646. COMBINED PHONOGRAPH AND RADIO RECEIVER CABINET. BENJAMIN H. DIETZ and ALBERT E. HANSEN, Chicago, Ill. Filed Feb. 23, 1924. Serial No. 8,719. Term of patent 14 years.



The ornamental design for a combined phonograph and radio receiver cabinet, as shown.

67,647. BUILDING BLOCK. GEORGE W. DUNN, Newport, Ky. Filed July 10, 1924. Serial No. 10,111. Term of patent 14 years.



The ornamental design for a building block, as shown.

67,648. DISPLAY CARD. MERRITT L. EMRICH, Louisville, Ky., assignor to United States Foil Company, Louisville, Ky., a Corporation of Delaware. Filed Apr. 16, 1925. Serial No. 13,148. Term of patent 14 years.



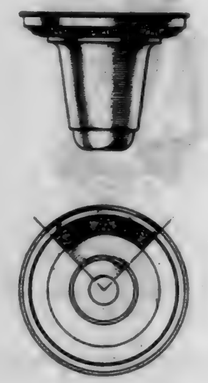
The ornamental design for a display card, as shown.

67,649. RING. JOSEPH ENGEL, New York, N. Y. Filed Feb. 26, 1925. Serial No. 12,493. Term of patent 7 years.



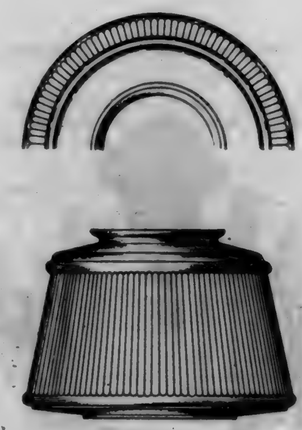
The ornamental design for a ring as shown.

67,650. CANOPY FOR LIGHTING FIXTURES. RUTH L. GERTH, Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 19, 1925. Serial No. 12,760. Term of patent 14 years.



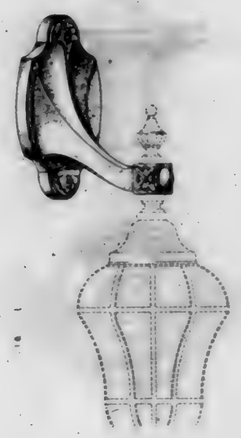
The ornamental design for a canopy for lighting fixtures, as shown.

67,651. GLASS ILLUMINATING BOWL. EDGAR A. GILLINDER, Philadelphia, Pa., assignor to Gillinder & Sons, Inc., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 29, 1925. Serial No. 13,254. Term of patent 7 years.



The ornamental design for a glass illuminating bowl, as shown.

67,652. WALL BRACKET. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Feb. 16, 1925. Serial No. 12,387. Term of patent 7 years.



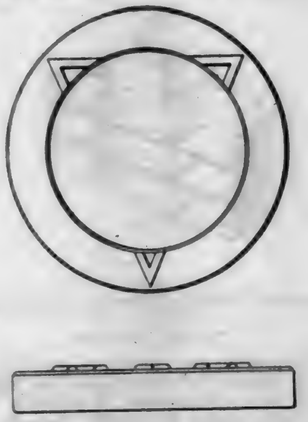
The ornamental design for a wall bracket substantially as shown.

67,653. WALL BRACKET. WILFRED B. GODDARD, San Francisco, Calif., assignor to Thomas Day Company, San Francisco, Calif., a Corporation of California. Filed Feb. 16, 1925. Serial No. 12,388. Term of patent 7 years.



The ornamental design for a wall bracket substantially as shown.

67,654. LAMP DOOR. CHARLES E. GODLEY, Detroit, Mich. Filed Aug. 24, 1923. Serial No. 7,078. Term of patent 7 years.



The ornamental design for a lamp door, as shown.

67,655. CANOPY FOR LIGHT GLOBES. JOSEPH W. GOSLING, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Dec. 22, 1923. Serial No. 8,137. Term of patent 14 years.



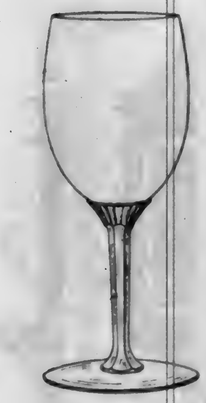
The ornamental design for a canopy for light globes as shown.

67,656. DRESS. MIRIAM GROSS, Chicago, Ill. Filed Mar. 12, 1925. Serial No. 12,690. Term of patent 14 years.



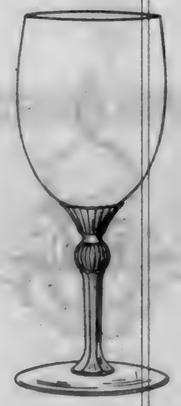
The ornamental design for a dress, substantially as shown and described.

67,657. GOBLET. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Common Law Company. Filed Jan. 23, 1925. Serial No. 12,129. Term of patent 14 years.



The ornamental design for a goblet as shown.

67,658. GOBLET. THOMAS CLARENCE HEISEY, Newark, Ohio, assignor to A. H. Heisey & Company, Newark, Ohio, a Common Law Company. Filed Jan. 23, 1925. Serial No. 12,130. Term of patent 14 years.



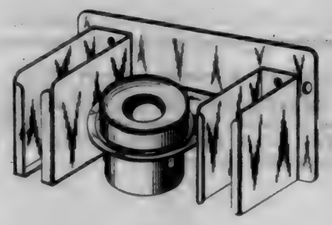
The ornamental design for a goblet, as shown.

67,659. ADVERTISING DEVICE. LLONEL MANUEL HENDLER, Baltimore, Md. Filed Dec. 22, 1923. Serial No. 8,128. Term of patent 14 years.



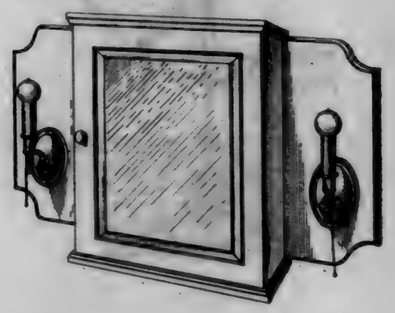
The design for an advertising device as shown and described.

67,660. SMOKE KIT. ADAM W. KAUFMAN, Milwaukee, Wis. Filed Mar. 26, 1925. Serial No. 12,886. Term of patent 7 years.



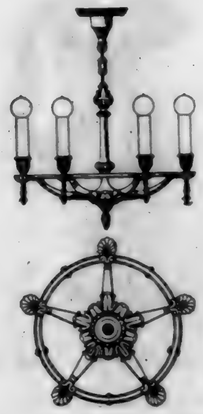
The ornamental design for a smoke kit.

67,661. WALL CABINET. ROBERT P. KING, Greensboro, N. C. Filed Apr. 14, 1925. Serial No. 13,131. Term of patent 14 years.



The new, original and ornamental design for a wall cabinet, substantially as shown.

67,662. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,647. Term of patent 3½ years.



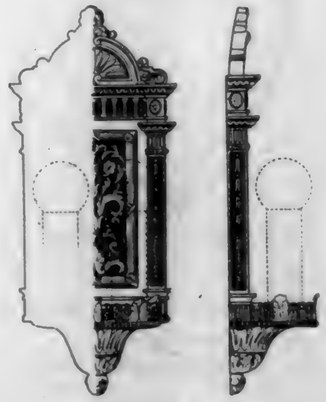
The ornamental design for a chandelier, as shown.

67,663. CHANDELIER. MAX KLEIN, New York, N. Y., assignor to Shapiro & Aronson, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 10,650. Term of patent 3½ years.



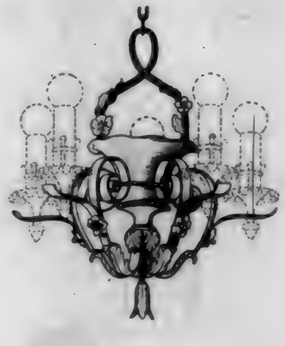
The ornamental design for a chandelier, as shown.

67,664. LIGHTING FIXTURE. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed May 2, 1925. Serial No. 13,289. Term of patent 7 years.



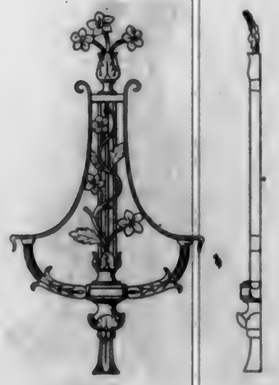
The ornamental design for a lighting fixture, substantially as shown and described.

67,665. CHANDELIER. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed May 2, 1925. Serial No. 13,291. Term of patent 7 years.



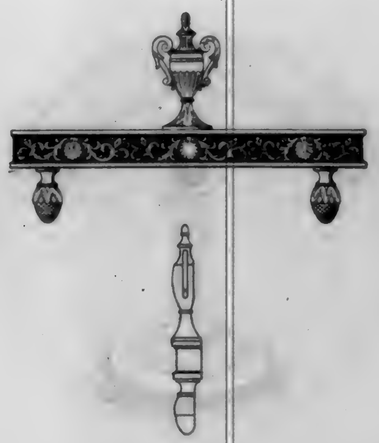
The ornamental design for a chandelier, substantially as shown.

67,666. LIGHTING-FIXTURE PART. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed May 2, 1925. Serial No. 13,292. Term of patent 7 years.



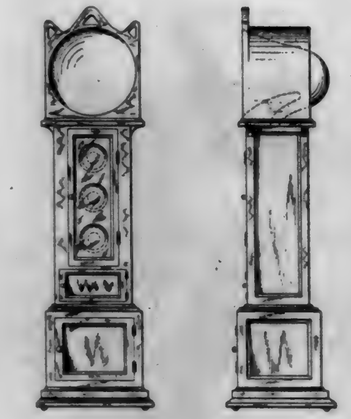
The ornamental design for a lighting fixture part, substantially as shown.

67,667. LIGHTING-FIXTURE ARM. ARTHUR R. KRAUSE, Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc., a Corporation of New York. Filed May 2, 1925. Serial No. 13,293. Term of patent 7 years.



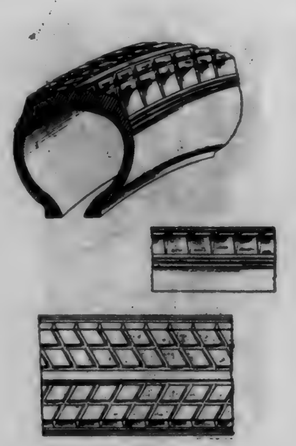
The ornamental design for a lighting fixture arm, substantially as shown.

67,668. RADIOCABINET. MAX MAYER, New York, N. Y. Filed Apr. 10, 1925. Serial No. 13,087. Term of patent 7 years.



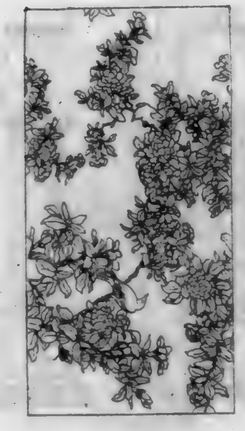
The ornamental design for a radiocabinet as shown.

67,669. TIRE TREAD. ROBERT M. MERRIMAN, Akron, Ohio. Filed Nov. 14, 1924. Serial No. 11,381. Term of patent 7 years.



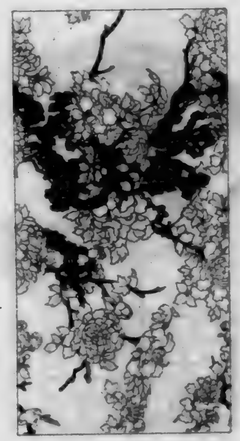
The ornamental design for a tire tread, as shown.

67,670. WALL PAPER OR A SIMILAR ARTICLE. JOHN MCKANE, London, England. Filed Mar. 21, 1925. Serial No. 12,808. Term of patent 7 years.



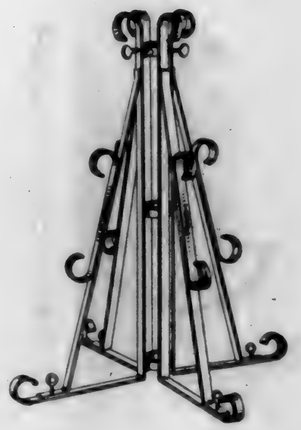
The ornamental design for wall paper or a similar article as shown.

67,671. WALL PAPER OR A SIMILAR ARTICLE. JOHN MCKANE, London, England. Filed Mar. 21, 1925. Serial No. 12,809. Term of patent 7 years.



The ornamental design for wall paper or a similar article as shown.

67,672. FLAG STAND. WILLIAM H. MOHR, Reading, Pa. Filed Mar. 31, 1925. Serial No. 12,959. Term of patent 7 years.



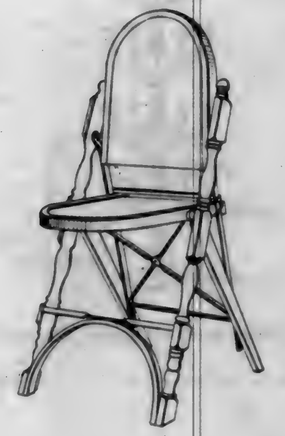
The ornamental design for a flag stand, as shown.

67,673. PEDESTAL FOR MERCHANDISE DISPLAY FIXTURES. EMIL THEODORE PALMENBERG, New York, N. Y. Filed Mar. 16, 1925. Serial No. 12,737. Term of patent 7 years.



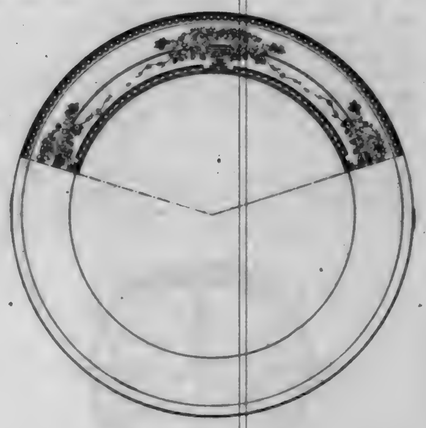
The ornamental design for a pedestal for merchandise display fixtures.

67,674. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed Jan. 28, 1925. Serial No. 12,174. Term of patent 14 years.



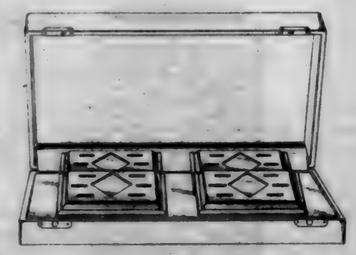
The ornamental design for a folding chair as shown.

67,675. PLATE OR SIMILAR ARTICLE. EUGENE SAINSON, Great Kills, N. Y. Filed May 1, 1925. Serial No. 13,273. Term of patent 7 years.



The ornamental design for a plate or similar article, as shown.

67,676. DISPLAY CASE. MAURICE J. SCHLESS, New York, N. Y. Filed May 31, 1922. Serial No. 2,473. Term of patent 7 years.



The ornamental design for a display case, substantially as shown.

67,677. ANIMAL DOLL. HARRY E. SCHOENHUT, Philadelphia, Pa., assignor to Pat Sullivan, New York, N. Y. Filed Mar. 21, 1924. Serial No. 9,019. Term of patent 14 years.



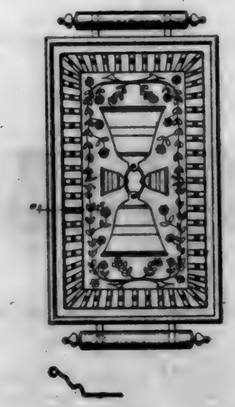
The ornamental design for an animal doll substantially as shown.

67,678. AMPLIFYING HORN. SAMUEL H. SERLIN, Chicago, Ill. Filed Sept. 19, 1924. Serial No. 10,829. Term of patent 14 years.



The ornamental design for an amplifying horn, as shown.

67,679. TRAY. BARBRA WEBB, Everett, Wash. Filed Apr. 25, 1925. Serial No. 13,220. Term of patent 7 years.



An ornamental design for a tray, as shown.

67,680. HATRACK. HARRY ZIEGLER, St. Louis, Mo., assignor to Levitt Millinery Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 20, 1925. Serial No. 13,177. Term of patent 7 years.

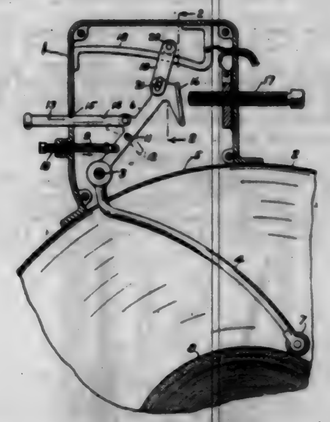


The ornamental design for a hatrack substantially as shown.

PATENTS

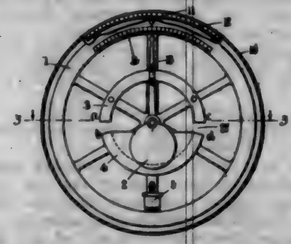
GRANTED JUNE 23, 1925.

1,542,808. INDICATOR FOR MOVING-PICTURE MACHINES. WILLIAM S. ADAMS, Philadelphia, Pa. Filed Aug. 22, 1921. Serial No. 494,058. 3 Claims. (Cl. 200—52.)



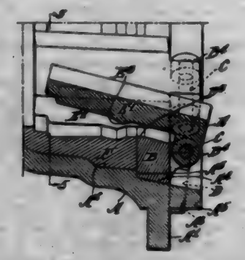
1. In an indicator for motion picture machines the combination of a housing for application to the magazine of the machine, a pivotal lever provided with a film actuated portion and with a radially arranged arm confined within the housing, a compression spring for said arm, means extending from the interior of the housing for adjusting said spring, an indicator index rigidly carried by said arm and extending through an arcuate slot provided in the housing and adapted to co-operate with a scale provided on the exterior of the housing, a hand piece movably connected with said arm and accessible from the exterior of the housing for positioning the arm, a contact adjustable from the exterior of the housing for co-operation with the arm, a contact rail fixture carried by the housing, and a current carrying link co-operating with the fixture and arm, substantially as described.

1,542,809. INCLINOMETER. FRANCIS HERBERT ALEXANDER, Newcastle-on-Tyne, and JOHN WILSON GILLIS, North Shields, England. Filed Dec. 1, 1922. Serial No. 604,199. 6 Claims. (Cl. 33—220.)



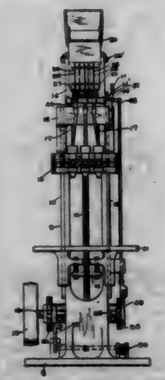
1. An instrument of the character described, comprising in combination a pendulum of relatively long period, a pendulum of short period, and means between the two pendulums for forming a magnetic coupling to oppose the deflection of the long period pendulum when subjected to acceleration.

1,542,810. CORE FOR CENTRIFUGAL PIPE MOLDS. THOMAS PEACOCK ANTHONY, Edgewater Park, N. J., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J., a Corporation of New Jersey. Filed Sept. 9, 1924. Serial No. 736,688. 3 Claims. (Cl. 22—170.)



1. A segmental removable core for a centrifugal pipe mold comprising in combination a ring adapted to be removably secured to the end of a mold and a series of core segments separately hinged to the ring adapted to fit together in the mold to form a core and to be turned inwardly in the mold to clear the casting.

1,542,811. NAIL-FEEDING MECHANISM FOR BOX-MAKING MACHINES. JOHN ALBRECHT, Kewaunee, Wis. Filed Aug. 29, 1921. Serial No. 496,468. 4 Claims. (Cl. 1—16.)



1. A nail feeding mechanism for a nailing machine provided with a plurality of nail drivers, comprising a plurality of nail raceways having offset portions; a nail feeding member comprising an oscillating disc associated with each of said raceways provided with a recess in its edge adapted to register alternately with the offset portions of said raceway, whereby a nail may be received therein from one portion and be moved to

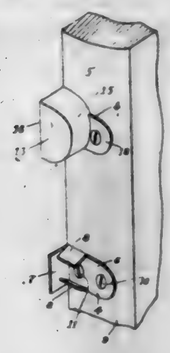
the other portion; resilient means for moving said feeding members in one direction; positive means for moving said members in the other direction; and hand set automatically operated means for preventing the functioning of said resilient means at predetermined intervals to stop the oscillations of certain of said feeding discs on alternate operations of said nail drivers.

1,542,812. ROLL FOR BEATING ENGINES. ALBERT J. ALLISON, Dayton, Ohio, assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio, a Corporation of Ohio. Filed June 16, 1924. Serial No. 720,274. 6 Claims. (Cl. 92—22.)



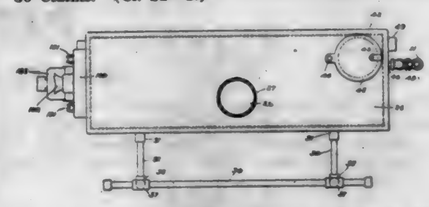
1. In a beater roll, in combination: a head having slots on its periphery for the reception of fly bars, the walls of said slots diverging inward, making the slots broadest at the bottom, one wall of each slot being perpendicular to the face of the head while the other wall leans with reference to said face, making the slot broader at one side of the head than at the other; a fly bar, one side of which is adapted to lie against said perpendicular wall and having a longitudinal channel in the other side, and a wedge adapted to drive into the space between the bar and said leaning wall, having a spline on one side which lies in said channel in the bar, tying the wedge and bar together, the width of the wedge being equal to the depth of the slot.

1,542,813. DOOR BUFFER. JAMES T. ATWOOD, Rockford, Ill. Filed Nov. 19, 1924. Serial No. 750,729. 7 Claims. (Cl. 16—86.)



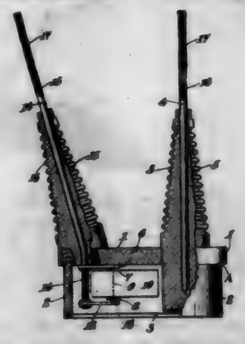
5. A buffer adapted for automobile doors comprising a one-piece sheet metal retainer having a base portion and an end abutment in angular relation and side pieces turned inwardly to provide buffer retaining lugs, fastening means adapted to be passed through the base portion for securing the retainer to a door or door casing, and a buffer block of resilient material having spaced lug-receiving grooves along its base from one end, the grooves terminating within the block and being adapted for endwise reception of said retaining lugs, the buffer block being adapted to be pushed onto said lugs into abutting relation with said end abutment and being shaped to provide an arcuate door contacting face at its end opposite from said abutment.

1,542,814. SHOE HEATER. WILLIAM H. BAYNARD, Boston, Mass., assignor to Harry H. Beckwith, Brookline, Mass. Filed Apr. 1, 1920. Serial No. 370,384. 30 Claims. (Cl. 12—1.)



1. A shoe heater comprising a housing having an aperture for the reception of a shoe, a vaporizing tank for containing a pool of water and delivering the vapor in the housing, means for admitting air to said housing, electrical heating means for heating said air, and an electrical heating element located and arranged to vaporize the water within said tank.

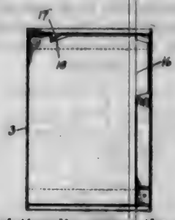
1,542,815. INSTRUMENT FOR LOCATING AND OBSERVING DEFECTIVE INSULATOR UNITS. CLAUDIUS E. BENNETT, Barcelona, Spain. Filed June 29, 1921. Serial No. 481,297. 7 Claims. (Cl. 175—183.)



7. A portable defective-insulator detector and observation instrument which operates equally well in all positions for detecting and observing defective insulator units in a series of such units, or otherwise, subjected to a high voltage, comprising in combination, spaced apart conductors highly insulated from one another and from ground for taking the voltage at the opposed surfaces of the insulator unit or units being tested; a rockable balanced indicator element which is rockable from a normal zero position to which it is constrained to return when free of electrostatic stresses to another observable position by the action of the electrostatic field resulting from the difference of voltage between the two conductors; a shield of conducting material for adjusting the strength and form of the electrostatic field in which the indicator element moves; a casing for maintaining the above elements in their correct relative position and for protecting the indicator element from undesirable outside influences.

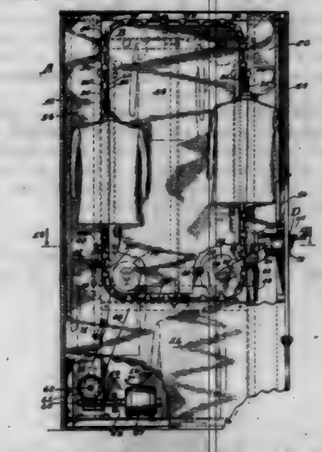
1,542,816. CARD-INDEX BOX. ROBERT J. BENTLEY, Monroe, Mich. Filed May 9, 1923. Serial No. 637,620. 2 Claims. (Cl. 291—15.)

1. In a card index box, a cardboard piece having parts forming the four sides of the box, two of the parts being hingedly connected with the other parts and with each other and extending over the top of the box and over substantially one-half of one side of the box, end cardboard pieces having flanged parts riveted to two of the side parts of the first named piece, two of the rivets located sufficiently remote from one end of the first named piece to permit the other end of the first named piece to be slid under the end having the



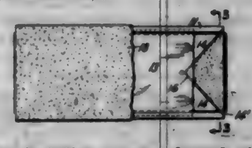
said rivets, to frictionally secure the box closed by the frictional engagement between the overlapping ends of the first named piece.

1,542,817. CLOTHING DISPLAY AND SALES CABINET. MATTHEW BERNHEIM, New York, N. Y. Filed June 8, 1922. Serial No. 566,714. 22 Claims. (Cl. 211—21.)



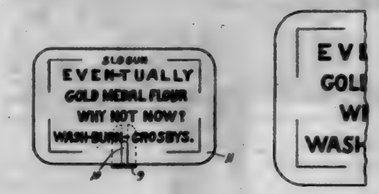
1. A display or sales apparatus comprising a housing, a conveyer arranged within the said housing, a plurality of supporting elements carried by the said conveyer and spacedly arranged thereon, the said elements being adapted for receiving supporting means for articles of merchandise, means for moving the said conveyer with the articles of merchandise moving past a display or sales window and provisions for automatically stopping the conveyer with a selected supporting element opposite said window, including movable members, one moved by the conveyor, and the other normally moving with the first, the stopping of the conveyor controlled by relative movement of the members, and selective stop mechanism for checking the movement of the second member with any selected supporting element at the window.

1,542,818. BLOTTER. RALPH H. BINNS, New York, N. Y. Filed Apr. 30, 1923. Serial No. 635,417. 11 Claims. (Cl. 120—24.)



1. A blotter, including a cover, formed with a pair of grooves, and a blotter carrying plate having two of its edges extending into said grooves, said plate being formed with offset portions adjacent said edges.

1,542,819. SLOGAN CARD GAME. ARTHUR R. BLOOM, Minneapolis, Minn. Filed Oct. 25 1924. Serial No. 745,795. 4 Claims. (Cl. 273—152.)



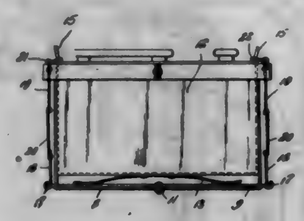
1. A card game apparatus comprising a key-card having thereon an inscription comprising a plurality of characters arranged in a plurality of lines, each line having a distinguishing characteristic, and a series of cards each having thereon one of the letters appearing in said inscription, the latters on the series of cards having the same characteristics as the letters in the respective lines of the inscription.

1,542,820. MARKING PIN. GEORGE BODEN, Waterbury, Conn., assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn., a Corporation of Connecticut. Filed Sept. 30, 1922. Serial No. 591,467. 1 Claim. (Cl. 40—25.)



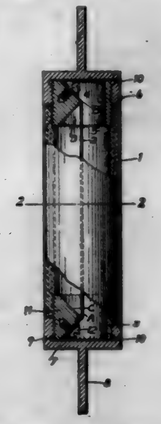
A marking pin comprising a bow, a pointed leg, and a cap-carrying bar, the pointed leg extending from the bow at an angle thereto, the bar extending from the bow substantially tangentially thereto and, for a portion of its length, substantially parallel to the pointed leg and being bent, adjacent the cap-carrying end, toward the pointed leg, and a marker plate secured to the bow, the edge of the marker plate between the pointed leg and the cap-carrying bar being rolled over to present a rounded surface.

1,542,821. SUPPORT FOR VEHICLE BATTERIES. LLOYD J. BOHANNON, Kansas City, Mo. Filed May 19, 1923. Serial No. 640,195. 1 Claim. (Cl. 180—68.5.)



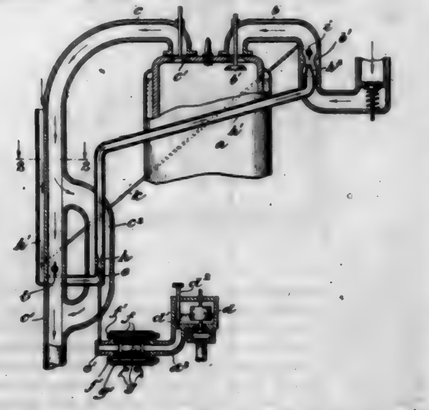
A device for supporting vehicle bodies including a U-shaped strap, a plate fixed to the intermediate portion of the U-shaped strap and provided with recesses at its ends for receiving the sides of the U-shaped strap, a battery box, a bowed leaf spring having its intermediate portion fixed to the bottom of the battery box, so that its ends engage the plate, said plate provided with slits one on each side of each recess, links engaged in said slits, resilient members engaged with said links, and other links engaged with said resilient members, and means for engaging the latter mentioned links with the handles of a battery in said battery box.

1,542,822. ELECTRIC-FUSE CASING. HOMER P. CHANDLER, Mansfield, Ohio, assignor to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Feb. 1, 1923. Serial No. 616,270. 5 Claims. (Cl. 200—182.)



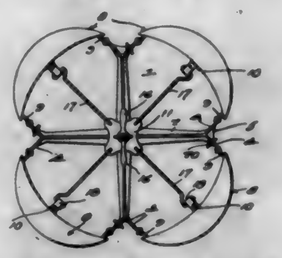
1. A fuse casing comprising a tubular casing of insulating material, a metallic bushing secured to the interior wall of the casing at each end and projecting from the casing, a metallic cap secured to the exterior projecting wall of each bushing, means on each cap to connect each cap to a terminal member, means on the bushing cooperating with means on the cap to provide a passage leading from the interior of the casing to the exterior to allow the escape of gases formed therein, and means on the interior of each bushing to receive the end of a fusible element, the last said means comprising a wedge shaped member projecting from a portion of the inner surface of the bushing, the base of the wedge united to the bushing and means on the outer face of the wedge members to secure the fusible element to each bushing.

1,542,823. METHOD OF AND APPARATUS FOR FORMING AN EXPLOSIVE MIXTURE. KEITH R. MANVILLE, Elmhurst, N. Y., assignor to International Motor Company, New York, N. Y., a Corporation of Delaware. Filed May 1, 1922. Serial No. 557,808. 9 Claims. (Cl. 123—122.)



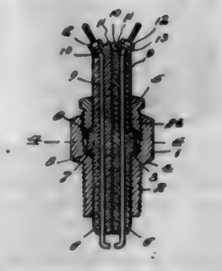
1. The combination with the exhaust and inlet passage of an internal combustion engine of apparatus for forming an explosive mixture which includes a metering device, an air intake pipe passing through the exhaust passage, a fuel conduit passing through the exhaust passage and terminating within the air intake pipe within the exhaust passage, said air intake pipe quitting said exhaust passage and being exposed to atmospheric temperature for an appreciable distance and terminating in a nozzle in the inlet passage.

1,542,824. WIRE REEL. WALTER J. MERRIMAN, Lake View, Ohio. Filed Dec. 19, 1924. Serial No. 756,930. 7 Claims. (Cl. 242—95.)



1. A wire reel of the class described comprising a spider embodying a plurality of radiating arms, and a collapsible rim structure supported on the outer ends of the arms, said rim being composed of a plurality of flanged sectors, and means for operating said sectors for collapsing the rim, said sectors being pivotally mounted on the outer ends of the arms to swing in a direction at right angles to the axis of rotation of said spider.

1,542,825. SPARK PLUG. JOHN C. NEWTON, Minneapolis, Minn. Filed July 21, 1922. Serial No. 576,613. 1 Claim. (Cl. 123—169.)

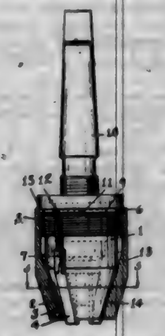


A spark plug structure comprising a bushing having an interiorly located annular shoulder disposed at an acute angle to the axis of the bushing, a pair of dielectric members mounted in the bushing and provided at their sides with projections having bevelled edges, each of said members being provided with a sparking electrode, said members having flat faces adapted to bear against each other and being located at the sides of the member opposite those sides at which the projections are provided, and a sectional gland nut screwed into the bushing and having a bevelled surface disposed opposite the projection, the parts being so assembled and arranged that when the nut is tightened in the bushing, the shoulder and the bevelled surface of the nut cooperate with the bevelled surfaces of the projections whereby the flat faces of the dielectric members are forced in close contact with each other.

1,542,826. CHUCK. HOLGER NIELSEN, Lawton, Mich., assignor to Nielsen-Barton Chuck & Tool Company, Lawton, Mich. Filed Feb. 28, 1924. Serial No. 695,710. 1 Claim. (Cl. 279—69.)

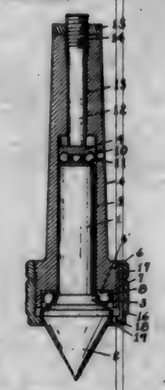
A chuck comprising a body member tapered at its lower end and having longitudinal jaw ways in its tapered

portion and slots extending therefrom and a peripheral groove opening to said slots, jaws arranged in said ways, springs disposed in said slots and connected to said jaws, a split ring with which said springs are connected dis-



posed in said groove, said ring having a lug at one end engaging a hole in said body, and a shell threaded upon said body to embrace and support said jaws and enclose said springs and ring.

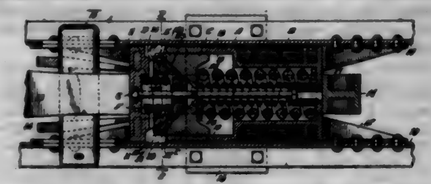
1,542,827. LATHE CENTER. HOLGER NIELSEN, Lawton, Mich. Filed Feb. 28, 1924. Serial No. 695,711. 4 Claims. (Cl. 82—33.)



1. A lathe center comprising a spindle of uniform diameter having a conical tip and shouldered at the base of the tip providing a ball race, a spindle holder having a longitudinal bearing for said spindle internally shouldered at its outer end providing a ball race, coacting bearing balls providing a combined radial and thrust bearing for said spindle, a thrust bearing member disposed at the inner end of said spindle bearing, balls coacting with the end of the spindle, a thrust bearing member support disposed longitudinally of and threaded into the inner end of said holder, a lock nut for said support, a retaining collar for said spindle threaded upon the outer end of the holder and having an inwardly projecting internally beveled flange embracing said conical tip, and a lock nut for said collar threaded upon said collar.

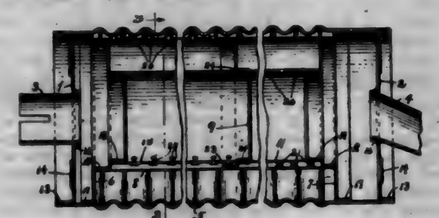
1,542,828. FRICTION SHOCK ABSORBING MECHANISM. JOHN F. O'CONNOR, Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc., a Corporation of Delaware. Filed June 30, 1921, Serial No. 481,555. Renewed Oct. 24, 1924. 11 Claims. (Cl. 213—34.)

1. In a friction shock absorbing mechanism, the combination with a friction shell and a main spring resistance; of friction shoes cooperable with said shell and having wedge faces extending at different angles with respect to the line of movement of the shoes; and a multiple part self-releasing wedge system, the elements of which have wedge faces cooperable with said different angled wedge faces of the shoes, and means for normally



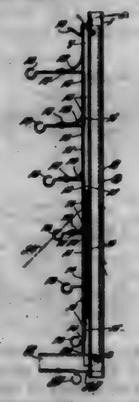
maintaining a spaced relation between the wedge faces on one of said elements and the co-acting wedge faces of said shoes.

1,542,829. MUFFLER. VIRGIL OLDBERG, Detroit, Mich., assignor to Oldberg Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed May 23, 1921, Serial No. 471,633. Renewed Mar. 10, 1924. 5 Claims. (Cl. 137—160.)



1. In a muffler, the combination of a series of cylindrical shells mounted within each other, heads closing the ends of the outer shell, thimbles within the ends of the outer shell and each having cylindrical extensions intermediate and inner shells mounted on said extensions, the inner shell being concentric with the outer shell and the intermediate shell being eccentric to the other two, said inner shell being in two sections, and a diaphragm mounted in the intermediate shell and having a cylindrical projection fitting the adjacent ends of the two sections of the inner shell, said inner and intermediate shells being formed with holes to permit the passage of exhaust gases, the holes in each of the inner shells being along longitudinal lines substantially diametrically opposite each other at opposite sides of the diaphragm.

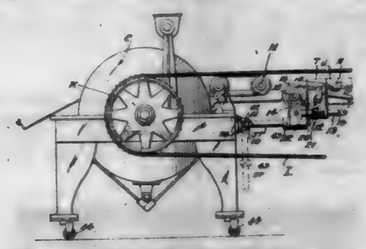
1,542,830. CLOTHESRACK. HERBERT L. PARKER, Jr., St. Louis, Mo. Filed July 2, 1923. Serial No. 649,142. 3 Claims. (Cl. 45—13.)



1. In a metal clothes rack, a vertical member having pairs of parallel vertical slits at intervals, the metal strips between said slits being severed at one end from

said member and bent outwardly, and clothes suspending elements secured to said member and extending through the openings provided by said strips, the severed and outwardly bent ends of said strips being secured to said elements at points spaced from said member.

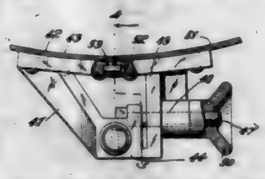
1,542,831. APPARATUS FOR MOLDING DOUGH. EDWARD T. PARSONS, Newark, and ERNST J. STERNBERG, Lyons Farms, N. J., assignors to Thomson Machine Company, a Corporation of New Jersey. Filed June 14, 1923. Serial No. 645,462. 10 Claims. (Cl. 107—9.)



2. The combination with two dough molding machines one of which has a pair of links each pivotally connected at one end thereto, of a conveyor mechanism for conveying a loaf of dough formed by one of said machines from the discharge side thereof to the receiving side of the other of said machines, one end of said conveyor mechanism having a pair of openings each to slidably receive one of said links to mount said end of the conveyor mechanism on said machine, and means for mounting the other end of said conveyor mechanism on the other of said machines.

10. The combination with two dough molding machines, of a conveyor mechanism for conveying a loaf of dough formed by one of said machines from the discharge side thereof to the receiving side of the other of said machines, one end of said conveyor mechanism and one of said machines having slidably cooperating openings and links to mount said end of said conveyor mechanism on said machine, said links being each pivotally mounted at one end on one of said machines and said conveyor mechanism, the other end of said conveyor mechanism and the other end of said dough molding machines having cooperating arms and openings to mount said last-mentioned end of said conveyor mechanism on said second-mentioned machine, said arms being fixed, said second-mentioned machine having a gear thereon, and driving means for said conveyor mechanism on the second-mentioned end of said conveyor frame to directly connect with said gear simultaneously with the connection of the second-mentioned end of said conveyor mechanism to said second-mentioned machine.

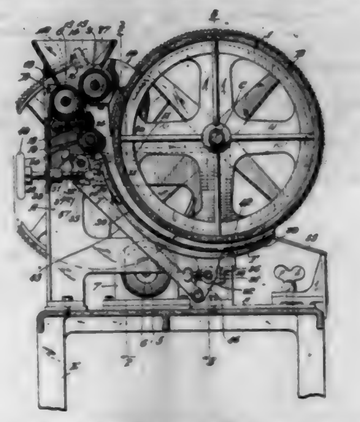
1,542,832. DOUGH-MOLDING MACHINE. EDWARD T. PARSONS, Newark, and ERNST J. STERNBERG, Lyons Farms, N. J., assignors to Thomson Machine Company, a Corporation of New Jersey. Filed July 19, 1923. Serial No. 652,477. 7 Claims. (Cl. 107—9.)



3. In a dough molding machine, the combination with a kneading drum and means for driving the same, of a compression plate surrounding a portion of the periphery of said drum in spaced relation thereto, said compression plate being formed in a plurality of arcuate sections, cooperating members on the meeting ends of adjacent ones of said sections for separably connecting the latter, and means for adjusting said plate toward and from the periphery of said drum.

6. In a dough molding machine, the combination with a kneading drum and means for driving the same, of a compression plate surrounding a portion of the periphery of said drum in spaced relation thereto, said compression plate being formed in a plurality of arcuate sections, cooperating members on the meeting ends of adjacent ones of said sections for separably connecting the latter, one of said members carrying a bolt and a nut and the other having a recess to separably receive the head of said bolt for connecting said members, and means for adjusting said plate toward and from the periphery of said drum.

1,542,833. ROLL-MOLDING MACHINE. EDWARD T. PARSONS, Newark, and ERNST J. STERNBERG, Lyons Farms, N. J., assignors to Thomson Machine Company, a Corporation of New Jersey. Filed Jan. 26, 1924. Serial No. 688,702. 18 Claims. (Cl. 107—9.)

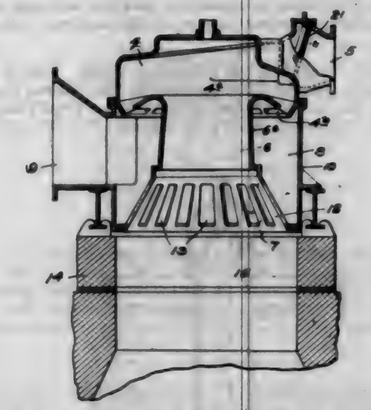


2. In a dough molding machine, the combination of a frame, a molding drum revolubly mounted thereon, an arcuate compression plate to surround a portion of said drum in spaced relation thereto to receive a roll of dough between itself and said drum, a pair of rocker bars extending transversely of said frame and separably engaging and supporting said compression plate at opposite ends thereof so that oscillation of said rocker bars moves said plate toward and from said drum, one of said bars and one end of said compression plate having a cooperationg hook and stud for separably connecting said compression plate to said one of said rocker bars.

18. In a dough molding machine, the combination with a main frame, a kneading drum revolubly mounted thereon, and an arcuate compression plate in spaced relation to the periphery of said drum, of a pair of spaced shafts arranged transversely of said frame parallel to said drum and having a plurality of recesses spaced longitudinally thereof, a pair of arcuate flange members concentric with said drum having their ends slidably mounted on said shafts for permitting adjustment of said flange members longitudinally of said drum, and set screws in said flange members to engage said recesses for holding said flange members in adjusted positions.

1,542,834. METHOD OF BURNING PULVERIZED FUEL, AND BURNER FOR PULVERIZED FUEL. THOMAS A. PEEBLES and BRYANT BANNISTER, Pittsburgh, Pa. Filed Feb. 2, 1922. Serial No. 533,563. 22 Claims. (Cl. 110—104.)

1. A process of burning pulverized fuel which consists in separating the heavier from the lighter particles of fuel, delivering the heavier particles to the combustion zone, with the main air supply and simultaneously delivering the lighter particles with an impelling current of air.

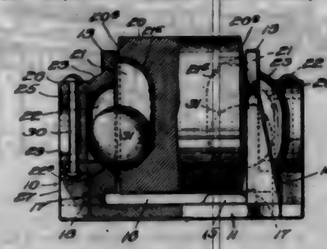


19. A process of burning pulverized fuel which consists in separating the heavier from the lighter particles of the pulverized fuel, and delivering the fuel so separated to the combustion zone with separate streams of air.

1,542,835. MACHINE FOR COATING, COLORING, OR OTHERWISE TREATING PAPER. EMIL POHL, Austin, Pa. Filed Apr. 26, 1924. Serial No. 709,070. 9 Claims. (Cl. 91—12.)

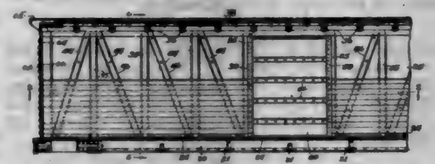
5. In a machine for striping paper or other materials, a color applying device consisting of a trough divided into compartments, a roller having a plurality of disks rotatably journalled in said trough, means connecting a plurality of spaced compartments containing the same color, and a source of supply connected to one of said spaced compartments.

1,542,836. SELF-CENTERING SIDE BEARING. EDWARD POSSON, Chicago, Ill. Filed Sept. 18, 1919. Serial No. 324,571. 5 Claims. (Cl. 64—64.)



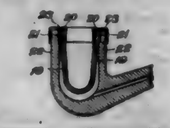
1. In combination, a casing, a roller adapted to travel horizontally within said casing, said roller having apertures in the ends thereof, said casing having apertures adapted to register with said first-named apertures, and balls inserted in said apertures, said balls being adapted to travel therein divergently from the direction of travel of said roller and to return said roller to normal position within said casing.

1,542,837. RAILWAY CAR. EDWARD POSSON, Chicago, Ill. Filed July 19, 1922. Serial No. 576,026. 9 Claims. (Cl. 105—407.)



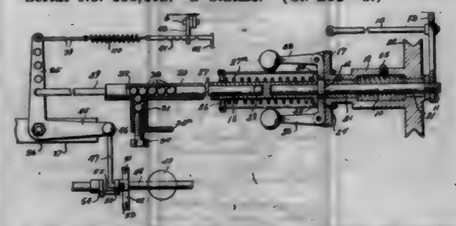
1. A railway car comprising a steel corner post, said corner post being of channeled form with transverse flanges extending in opposite directions from the side walls thereof, a wooden corner post mounted in contact with one side wall and one transverse flange of said steel corner post, a wooden filler block mounted in contact with the other side wall and the other transverse flange of said corner post, and sheathing engaging the outer sides of said wooden corner post and said wooden filler block opposite said transverse flanges.

1,542,838. SMOKING PIPE. ROBERT M. PROPHET, Rutherford, N. J., assignor to Reiss-Premier Pipe Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 3, 1921. Serial No. 434,480. 3 Claims. (Cl. 131—12.)



1. In a smoking pipe, the combination of an outer bowl, an inner removable bowl, and means including a metal ring and having provisions to form a rotary separable screw connection between said outer bowl and said inner bowl, so that the removable bowl is supported entirely at its top portion, said metal ring being secured to the top of the inner bowl and extending down outside of said outer bowl, sealing and protecting the screw joint, and compelling rotation of the ring as a handle by which to unscrew the the inner bowl, whereby said inner bowl and the ring can only be removed together by rotation thereof.

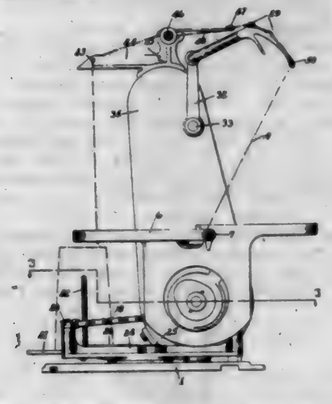
1,542,839. GOVERNOR FOR FORDSON TRACTORS. FRANCIS M. REEVES, Bogard, Mo. Filed Apr. 4, 1921. Serial No. 458,402. 2 Claims. (Cl. 264—3.)



1. The combination with a tractor having an engine and a throttle valve, of a supporting stem, a tubular member rotatably mounted upon the same and having means at one end whereby it may be rotated, a centrifugal governor carried by the other end of the tubular member, said stem projecting beyond the centrifugal governor, a sleeve into one end of which the stem projects, a rod section extending into the other end of said sleeve, a thrust bearing disposed between that end of the rod section adjacent the stem and said sleeve, a lever includ-

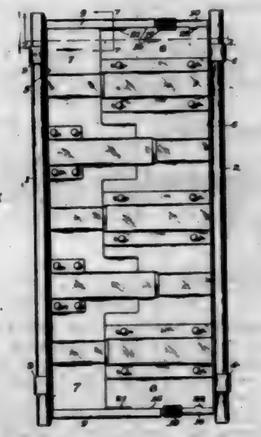
ing resilient means for tensioning the same, said lever being operatively connected to the throttle valve, a rod section connected at one end to said lever and having telescopic engagement with the first named rod section, manually adjustable means for shifting said last named sleeve upon the first named rod section to thereby control the adjustment of the throttle valve and the speed of the engine, and manually adjustable means for adjusting the tension of the spring tensioning means.

1,542,840. BUNDLE TIER. ALBERT H. SAXTON, JAMES B. SAXTON, and JOSEPH J. BACHMAYER, Blissfield, Mich., assignors to National Bundle Tyer Company, Blissfield, Mich., a Corporation of Michigan. Filed Nov. 8, 1923. Serial No. 673,467. 11 Claims. (Cl. 100—31.)



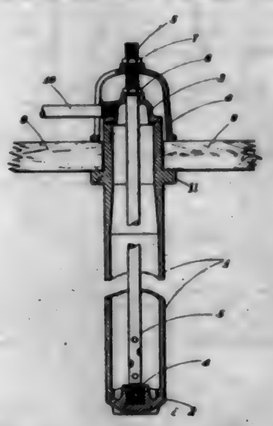
1. In a bundle tier, a movable package supporting member and a tying mechanism, operated by the said member.

1,542,841. LOCKING MEANS FOR TELESCOPING ELEMENTS. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Filed Sept. 22, 1923. Serial No. 664,278. 1 Claim. (Cl. 129—13.)



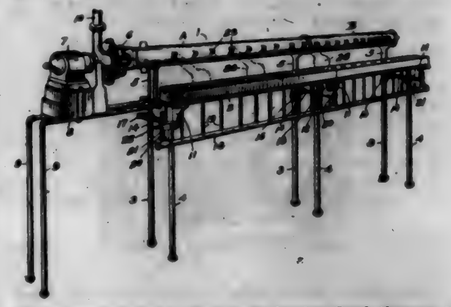
The hereindescribed locking means for flat telescoping elements, which comprises, in combination with these elements, a locking dog pivoted to one element, a spring which normally forces the nose of said dog into frictional locking contact with the other element, and a bar slidably supported by one of the elements in parallelism with said dog and operatively engaged with the dog whereby the sliding movements of said bar will rock the dog to effect the locking and unlocking positions thereof.

1,542,842. COOLING OR HEATING TUBE. PRINCE D. SCHENCK, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed June 5, 1923. Serial No. 643,547. 3 Claims. (Cl. 257—231.)



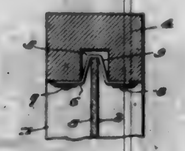
2. In combination in a temperature regulating tube, a cylindrical casing of corrosion resisting metal composition open at the ends and provided with a shoulder for engaging the inner surface of the wall of a container surrounding the opening in which the tube is mounted, a closure cap also of corrosion resisting material for the inner end of the casing, a closure cap for the outer end of the casing, a perforated tube of relatively strong tough metal secured to the inner cap at one end and extending through the outer cap at its other end, a nut threaded on said tube outside the outer cap and adapted to place such tube under tension, a clamping member through which said tube also extends opposing the outer surface of the wall of the container in opposition to said shoulder, a nut threaded on said tube for forcing said clamping member inward, and a connection for fluid leading to the interior of the casing.

1,542,843. DIGESTION APPARATUS. WALTER H. SCOTT, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Sept. 2, 1924. Serial No. 735,372. 2 Claims. (Cl. 23—259.)



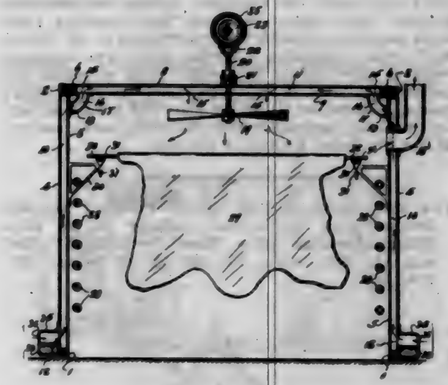
2. In combination a fume tube having fixed thereon a series of tapering nipples extending laterally from the side thereof and inclined downwardly.

1,542,844. ANTIRATTLING DEVICE. CARL F. SEYBOLDT, Defiance, Ohio. Filed May 7, 1924. Serial No. 711,649. 2 Claims. (Cl. 16—86.)



1. In combination with the upper grooved member of the window frame of an automobile, an elastic strip extending transversely across the bottom of the groove in said member and means for fastening the ends of said elastic strip to the bottom wall of said upper member.

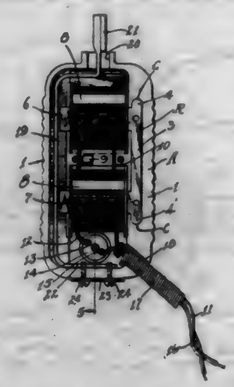
1,542,845. DRYING KILN. JAMES M. SEYMOUR, Newark, N. J. Filed Feb. 8, 1924. Serial No. 691,367. 16 Claims. (Cl. 34—12.)



1. A drying kiln comprising a double enclosing wall, the members of which are separated to provide an intermediate space, means subdividing said intermediate space into a plurality of substantially direct air passages, the outer member of said double wall having air intake ports communicating with the outer atmosphere at one end of each air passage, and the inner member of said double wall having air discharge ports communicating with the kiln interior at the opposite end of each air passage.

1,542,846. ELECTRIC VIBRATOR FOR RAZORS AND THE LIKE. GIORGI ADELMO, Spring Valley, Ill. Filed Mar. 17, 1924. Serial No. 699,914. 2 Claims. (Cl. 175—358.)

1. A device of the type described comprising a casing of insulating material consisting of two complementary parts, said parts having irregular recesses in one inner side wall thereof in registration with one another a magnetizable core arranged to be supported in said casing and partially received in said irregular recesses, whereby said core may be securely fixed against movement relative to said casing by means of said recesses, magnet coils disposed upon said core, an armature for said core arranged to partially extend exteriorly of said casing, and means for securing said armature to the inner wall of said casing at its lower end, said means also serving to securely bind the complementary parts of said casing to one another.



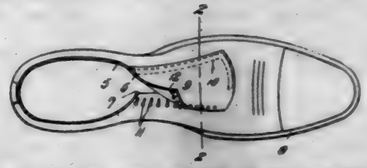
1,542,847. SIGNALING SYSTEM. RAND S. BAILEY, Montclair, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 10, 1922. Serial No. 559,868. 27 Claims. (Cl. 179—27.)

1. In a signaling system, a transmission line, an operator's position, a signaling device thereat for said line for indicating the arrival of a call, means for operating said signaling device upon seizure of said line, and means for changing the character of operation of said signaling device after the lapse of a predetermined period of time following said seizure.

1,542,848. CLOSURE FOR SHOE UPPERS. JOHN H. BARNES, Norwich, Conn. Filed July 6, 1923. Serial No. 649,794. 1 Claim. (Cl. 36—50.)

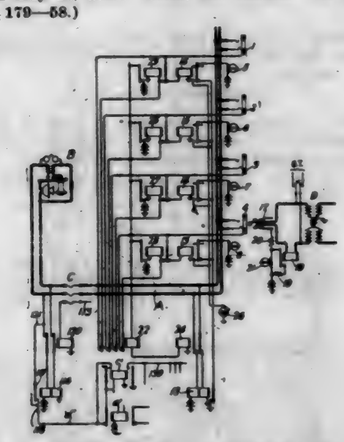
A shoe comprising an upper provided with an opening adapted to be disposed over the arch of the foot of a wearer, said opening being provided with spaced side edges and a transverse edge which is disposed over the ball of the foot of the wearer, a flap secured at one edge to one of the side edges of the said opening, and secured at the forward edge to the transverse edge of

the opening for a portion of the length thereof, by stitching which extends substantially to the median longitudinal dimension of the flap, the upper having a



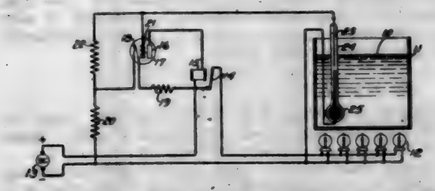
series of key hole slots provided at the opposite side edge of the opening, and the free longitudinal edge of the flap having headed studs adapted to enter the slots and engage under the edges thereof when the side edges of the opening in the upper are spread with relation to each other.

1,542,849. SIGNALING SYSTEM. HENRY M. BASCOM, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed May 10, 1922. Serial No. 559,855. 18 Claims. (Cl. 179—58.)



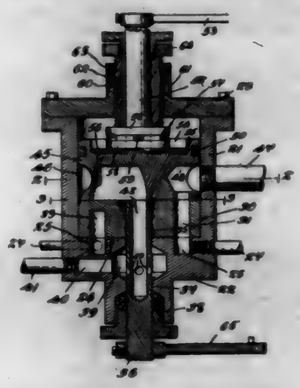
1. In a signaling system, a transmission line, a plurality of terminals therefor, signals associated with said terminals, means for operating said signals in response to a change in condition on said line, and means for operating one of said signals in a characteristic manner should connections be established to more than one of said terminals.

1,542,850. THERMOSTAT. ALFRED S. CURTIS and DAVID J. BEAVER, New York, N. Y.; said Curtis assignor of his interest to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 30, 1922. Serial No. 548,143. 25 Claims. (Cl. 219—20.)



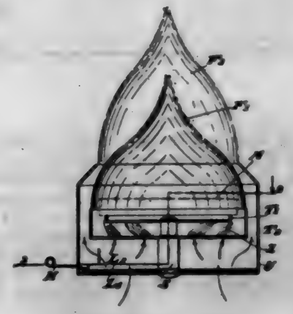
1. In a device of the character described, an amplifier, thermo-sensitive means in the input circuit thereof for opening and closing the same, and a heat supply controlling device in the output circuit operable upon change of current in said circuit.

1,542,851. VALVE. GEORGE TIBBL BOLLINGER, Lockport, La. Filed Mar. 3, 1924. Serial No. 696,642. 1 Claim. (Cl. 121—38.)



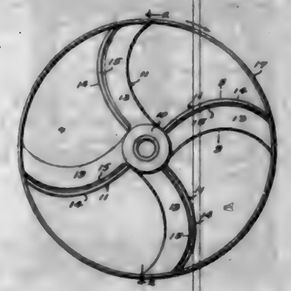
A valve for use with steam steering gear comprising a casing, a cross head operated valve arranged within the casing, a manually operated valve arranged within the casing and superposed on said cross head operated valve and means for resiliently holding the manually operated valve against the cross head operating valve while permitting relative rotary movement of the valves, said means comprising a spring plate, the manually operated valve having an annular ledge on which the peripheral portion of the spring plate rests, a thrust bearing mounted on the spring plate and a bushing having threaded engagement with the valve casing and engaging the thrust bearing at one end.

1,542,852. BURNER FOR SOLID FUELS. AUGUSTO BUSCH, Basel, Switzerland, assignor to the Firm Elektrizitätswerke Lonza, Basel, Switzerland. Filed Aug. 15, 1922. Serial No. 582,058. 2 Claims. (Cl. 126—43.)



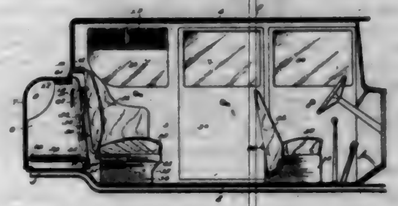
1. A burner for solid fuel of metaldehyde, comprising a casing, air admission means thereon, a support plate for the solid fuel within said casing, a lower plate arranged to define a secondary combustion chamber with said fuel support plate, an annular air passage round said chamber for admission of air to the fuel on its support plate, large apertures in the latter for allowing fuel vapours to sink down into said chamber, large air admission apertures in the lower plate for the combustion of said fuel vapours within said chamber, to allow of formation of invert heating flames, substantially as and for the purpose described.

1,542,853. PROPELLER. JOSEPH J. CALLAHAN, Cornwells Heights, Pa. Filed June 24, 1924. Serial No. 722,148. 10 Claims. (Cl. 170—168.)



9. A propeller comprising a hub, a blade extending outwardly therefrom, said blade having walls forming a pocket having an intake side open in the direction of rotation of the blade and adapted to discharge fluid at substantially right angles to the plane of rotation, the deepest portion of said pocket being extended in the opposite direction from the intake side beyond the point of discharge of fluid.

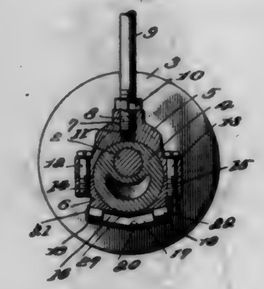
1,542,854. AUTOMOBILE BODY. CHARLES J. CARLSON, Helena, Mont. Filed Mar. 3, 1924. Serial No. 696,590. 5 Claims. (Cl. 296—66.)



1. In a vehicle body, a rumble frame at the rear thereof, said rumble frame comprising a body open at the front, rear and top thereof, a cover section swingable to and from position to close said body of the rumble frame at its rear and top, said body of the rumble frame having a pair of opposed guideways extending in the direction of length of the vehicle body, a rumble seat having laterally extending pins at one end working in said guideways, and other supporting means carried by said rumble seat adapted to engage with the body of the rumble frame to co-operate with said pins and guideways to support said rumble seat in horizontal position.

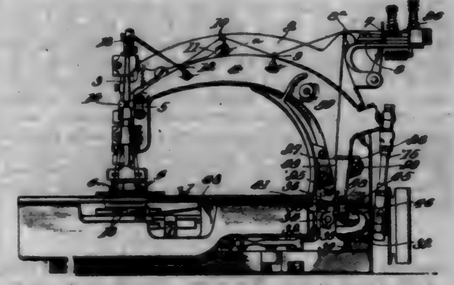
1,542,855. ECCENTRIC CONNECTION. JOHN E. CHALMAN, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 23, 1921. Serial No. 464,043. 1 Claim. (Cl. 74—1.)

In a device of the class described, the combination with a driving shaft provided with an eccentric; of a strap surrounding said eccentric, said strap being formed with an internal recess in its lowermost portion immediately beneath said eccentric and communicating with said eccentric, said recess extending from said central portion of the strap immediately beneath said eccentric upwardly and outwardly on each side thereof to



the opposite exterior faces of said strap, and oil retaining valves respectively, arranged in the opposite ends of said bore.

1,542,856. LOOPER THREAD CONTROLLER FOR SEWING MACHINES. JOHN E. CHALMAN, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Feb. 7, 1923. Serial No. 617,557. 4 Claims. (Cl. 112—241.)



1. The combination with a feeding mechanism, a thread carrying looper moving in the general direction of the line of feed and opposed to the direction of feed as it enters the needle thread loop; of a thread controlling mechanism for the looper including a thread engaging arm, thread guides cooperating therewith, and means for moving said arm so as to engage the looper thread and take up a portion of the surplus slack therein just before the looper begins its retracting movement.

1,542,857. UNDERGARMENT. FRANKLIN CHATFIELD, Minneapolis, Minn., assignor to Munsingwear Corporation, Minneapolis, Minn., a Corporation of Minnesota. Filed Oct. 1, 1920. Serial No. 414,067. 3 Claims. (Cl. 2—78.)

1. A woman's undergarment having a front section and two back and two side gores extending from both sides and with the two back gores lapped over but free to form a seat opening with their lower ends slanting downwardly from side to rear of the garment, the up-

per edges of the gores extending horizontally and the meeting edges of each side and back gore cut on continuous convex curves extending from bottom to top of the



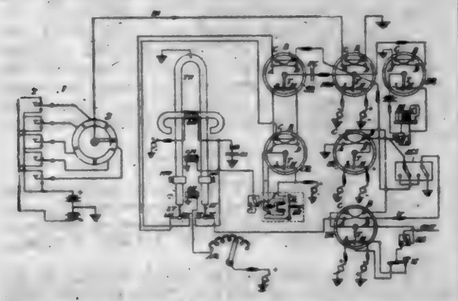
gores there being cut-out portions bounded by concave curves extending from the lower part of the meeting edges to the bottom of each of the back gores.

1,542,858. SHOCK ABSORBER. GEORGE L. CLOOK, Syracuse, N. Y. Filed Mar. 28, 1922. Serial No. 547,374. 3 Claims. (Cl. 267—17.)



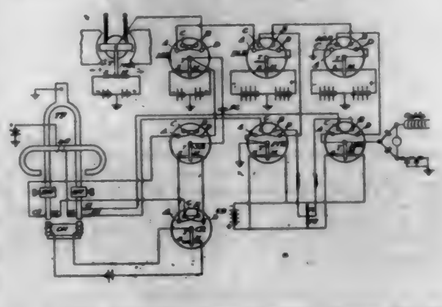
1. A shock absorbr for spring vehicles comprising a pair of U-shaped levers adapted to be mounted upon the axle of the vehicle, a leaf spring for supporting the body of the vehicle and having its ends operatively connected to corresponding arms of the levers, abutments rigidly connected to the brackets and interposed between the arms of the adjacent levers, said abutments being provided with bolt openings therethrough, bolts slidable endwise in said openings and connecting the arms of the corresponding levers, and coiled springs interposed between said abutments and arms of the adjacent levers and surrounding the corresponding bolts.

1,542,859. REGENERATIVE VIBRATORY REPEATER FOR TELEGRAPH CIRCUITS. ALDER F. CONNERY, Springfield, N. Y., assignor of one-half to Postal Telegraph-Cable Company, New York, N. Y., a Corporation of New York. Filed Oct. 6, 1923. Serial No. 667,055. 28 Claims. (Cl. 178—71.)



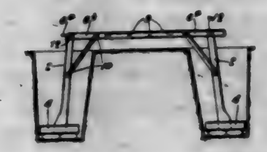
1. A regenerative vibratory repeater apparatus for telegraph circuits, comprising a signal receiving apparatus, a vibrating element, a signal transmitting apparatus, means whereby the time of operation of the transmitting apparatus will be controlled by the vibrating element, and means electrically connecting the transmitting apparatus to the signal receiving apparatus independently of the said vibrating element whereby the character of the signals sent out by the transmitting apparatus will be governed by the signal impulses received by the receiving apparatus.

1,542,860. CABLE TELEGRAPHY. ALDER F. CONNERY Jamaica, N. Y., assignor of one-half to The Commercial Cable Company, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,154. 12 Claims. (Cl. 178—71.)



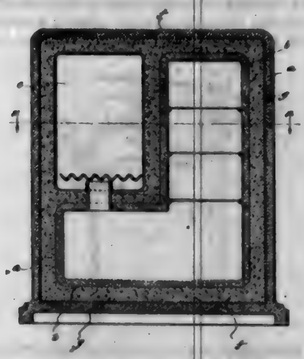
1. A cable telegraph repeater system wherein the signals received and transmitted are of positive, negative or zero current value, comprising a signal receiving apparatus adapted to be operated by the received signal impulses, a signal transmitting apparatus, means whereby the signal receiving apparatus will cause the transmitting apparatus to transmit signals of unit or multiple-unit length said means being interposed between and in circuit with the receiving apparatus and the transmitting apparatus, and means whereby the signal receiving apparatus will cause the transmitting apparatus to transmit signals of positive, negative or zero current value in response to received signals of corresponding current value said means being interposed between and in circuit with the receiving apparatus and the transmitting apparatus.

1,542,861. TOWER. JOHN WILLIAM CONRAD, Cedarville, W. Va., and MILTON PRESSLEY KERR, Sewickley, Pa. Filed Oct. 11, 1924. Serial No. 743,011. 5 Claims. (Cl. 189—21.)



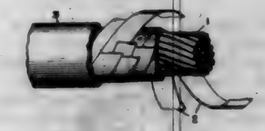
1. A tower for high tension lines and the like, comprising a plurality of anchor members adapted to be rigidly mounted in the ground, and a superstructure comprising a plurality of leg members adapted to be secured to said anchor members, and a plurality of brace members adapted to extend between and be secured to said leg members to complete said superstructure, a plurality of the members of said superstructure being so rality of the members of said superstructure being so cured together to form a templet for use in holding said anchor members in correct position until said superstructure is to be erected.

1,542,862. REFRIGERATOR CONSTRUCTION. LLOYD G. COPEMAN, Flint, Mich. Filed Feb. 2, 1924. Serial No. 690,143. 14 Claims. (Cl. 217—7.)



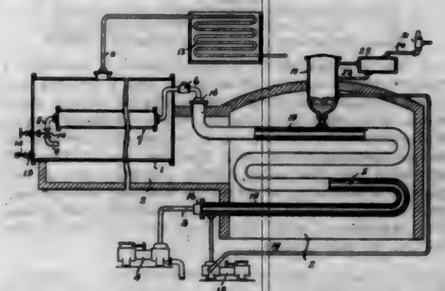
1. In a refrigerator construction, the combination of a moulded outer shell and a moulded inner shell secured together in spaced relation, and an insulating cement between said shells serving to bind them together and highly resistant to compression strains to form an entire moulded structure.

1,542,863. INSULATED ELECTRICAL CONDUCTOR. ELMER E. F. CREIGHTON, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 10, 1918. Serial No. 211,111. 15 Claims. (Cl. 113—264.



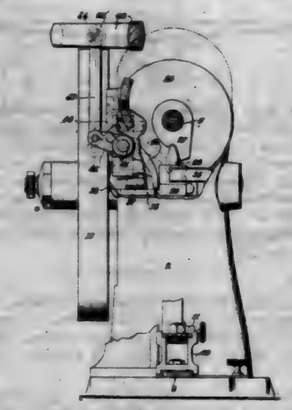
1. An electrical conductor covered with an insulating material, the dialectric strength of which increases with increase of temperature over a range of temperature from 20° C. to 100° C.

1,542,864. STILL. MAX F. DE BAILLIGETHY, Houston, Tex. Filed July 5, 1924. Serial No. 724,324. 5 Claims. (Cl. 196—110.)



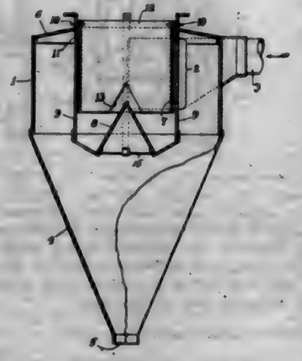
1. A still including a boiler, an inlet line entering the boiler and formed into an enlarged reaction drum within the boiler, and formed into a heating coil outside of the boiler, a housing enclosing the turns of said coil and spaced therefrom forming a fluid circulating chamber about the turns of the heater coil, means for circulating a fluid through said chamber, and an outlet line leading from said chamber, and formed with a trap.

1,542,865. SEWING MACHINE. ALBERT F. FITFIELD, Newark, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed July 20, 1921. Serial No. 486,215. 3 Claims. (Cl. 112—219.)



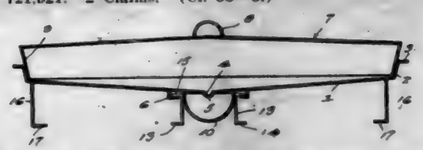
3. A sewing machine having a frame including a bed and overhanging bracket-arm, stitch-forming mechanism incorporated in said frame, a work-clamp, a manually operated lever fulcrumed on said bracket-arm and connected to open said work-clamp, a stop-motion device for the stitch-forming mechanism including a belt-shipper lever manually shiftable to starting position to effect connection of the machine to a source of power, a rock-shaft journaled on said bracket-arm and having its opposite ends disposed respectively, adjacent the clamp-opening and belt-shipper levers, means connected to the clamp-opening lever for rocking said shaft, and a stop-arm mounted on said shaft so as to move into the path of and block movement of the belt-shipper lever to running position when the work-clamp is open.

1,542,866. DUST COLLECTOR. FRANCIS E. FINCH, New York, N. Y., assignor to Ruggles-Coles Engineering Company, York, Pa., a Corporation of New Jersey. Filed May 9, 1921. Serial No. 468,092. 22 Claims. (Cl. 183—66.)



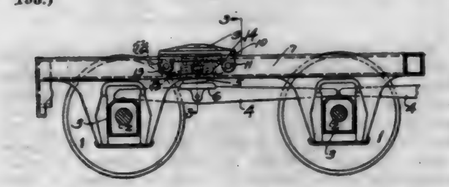
1. In a device of the character described, in combination, a receiving chamber, an outlet flue for said chamber, means co-operative with said flue to cause gradual and progressive expansion of gas in said flue, and a baffle in said flue in the path of transverse currents therein.

1,542,867. OVEN PAN. EDITH CAMPFIELD FISHER, Cleveland, Ohio. Filed June 21, 1924. Serial No. 721,521. 2 Claims. (Cl. 53—5.)



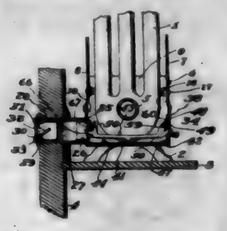
1. In an oven utensil of the class described, a juice collecting receptacle of elongated channel shaped cross section having one end thereof fashioned to form a discharge spout, provided at its opposite end with a handle, and U-shaped members fastened to the opposite walls of said receptacle, the upper laterally directed ends of said members constituting supporting lugs, and the lower laterally directed ends constituting supporting feet.

1,542,868. CAR TRUCK. GEORGE H. GIBSON, St. Louis, Mo., assignor to Commonwealth Steel Company, St. Louis, Mo., a Corporation of New Jersey. Filed Jan. 26, 1924. Serial No. 688,650. 8 Claims. (Cl. 105—195.)



1. In a car truck frame, a wheel piece of substantially constant cross sectional area and provided with a vertical spring receiving opening, and a spring seat detachably secured to said wheel piece over said opening.

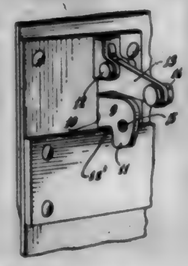
1,542,869. RADIATOR ATTACHMENT. JAMES F. GREENSTREET, deceased, late of Kewanee, Ill., by Ella Parke, administratrix, Kewanee, Ill. Filed Apr. 3, 1923. Serial No. 629,730. 16 Claims. (Cl. 257—135.)



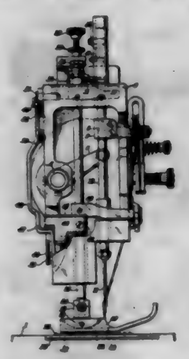
15. An attachment for radiators for directing air to and through the radiator, having inwardly opening dampers on opposite sides, each with a depressed portion and a passage to which the depressed portion leads, and a connecting link for the dampers having latch ends for entering the passages as guided thereinto by the depressed portions, and each end of the link having a hook at the end and a shoulder back of the hook.

1,542,870. CANE-CAR ATTACHMENT. OTIS T. GREGG, Hackensack, N. J. Filed June 2, 1924. Serial No. 717,242. 24 Claims. (Cl. 105—308.)

1. The combination of a cane-car having upright standards and an outwardly swinging side-door, suitable means such as a journalled turn-bar having an offset for holding said door closed, a lever-arm for actuating said door-holding means, two complementary readily-engageable and readily-releasable latching-members for maintaining said lever-arm in its door-holding position, one of said latching-members being a hook-carrying latch pivoted and also laterally-movable upon a horizontal portion of said lever-arm, and the other member being supported by some other part of the structure such as one of the car-standards, and readily-releasable means for automatically locking said latching-members in engaged position, said means comprising a gravity-actuated cam-detent pivoted in position where it will automatically lock said complementary members when in their latched-engagement.



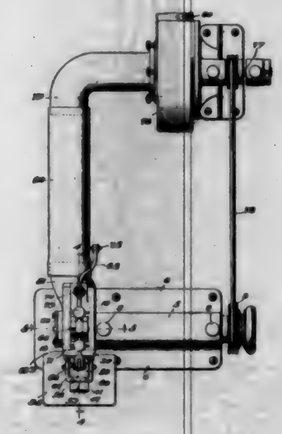
1,542,871. PRESSER MECHANISM FOR SEWING MACHINES. ALFRED GRIEB, Elizabeth, N. J., assignor to The Singer Manufacturing Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Jan. 8, 1923. Serial No. 611,227. 8 Claims. (Cl. 112—235.)



4. The combination in a sewing machine including a reciprocatory needle, a throat-plate, and a feed-dog projected through said throat-plate during its feeding movement, of a main cloth-presser, means yieldingly urging said cloth-presser in a direction toward said throat-plate, means independent of said feed-dog for limiting the movement of the cloth-presser toward the throat-plate in the absence of work, an auxiliary cloth-presser, and means yieldingly urging said auxiliary cloth-presser into engagement with the throat-plate in the lowered position of said feed-dog.

1,542,872. EDGE-TRIMMING MACHINE. HORACE F. GRUMAN, St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co., a Corporation of Maine. Filed Jan. 7, 1924. Serial No. 684,755. 19 Claims. (Cl. 164—61.)
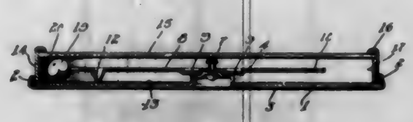
1. In a hand feeding embroidery edge trimming machine, the combination with a frame, of a rotary cutter journaled on a horizontal axis on said frame, a horizontally disposed work supporting device arranged in co-operative relation to said cutter and having an uninterrupted work supporting surface, a foot device disposed above the work-support, said devices being respectively located in spaced parallel planes to provide a horizontal guiding channel for the body fabric during the hand feeding thereof, and manually controlled means including a lever fulcrumed on the frame for elevating said foot device to vary the height of said guiding channel.



1,542,873. POROUS MASS FOR STORING EXPLOSIVE GASES. CARL HAGBERG, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 9, 1921. Serial No. 450,960. 3 Claims. (Cl. 23—246.)

3. A porous mass for storing gas consisting of a mixture of granulated material and a powder of a fire proof substance.

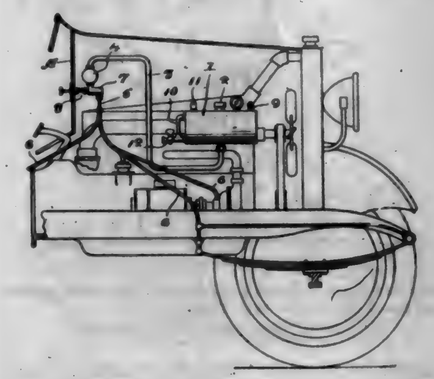
1,542,874. GAME. KARL HAMPEL, Chicago, Ill. Filed July 1, 1922. Serial No. 572,280. 5 Claims. (Cl. 273—144.)



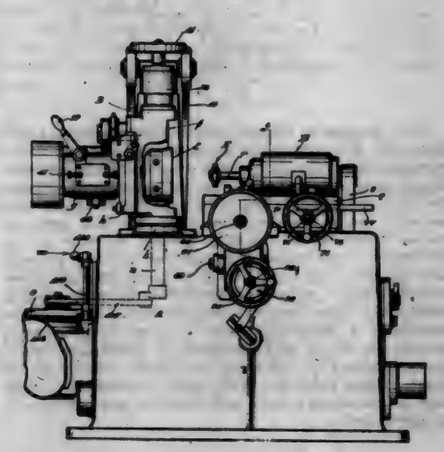
1. A device of the type described comprising a base, a pointer rotatably mounted on said base, a casing enclosing said pointer and said base, said pointer having one end thereof extending to the casing wall, and a ball for moving said pointer, said ball being disposed in said casing and being adapted to strike said pointer to move the latter.

1,542,875. LUBRICATING SYSTEM. EDWIN HORACE HANEY, Denver, Colo., assignor of one-eighth to J. B. Baney, Denver, Colo. Filed Aug. 11, 1922. Serial No. 581,217. 1 Claim. (Cl. 184—7.)

A lubricating system comprising a supply tank, a distributor tank connected therewith from which lubricant is distributed by fluid pressure, a plurality of valve casings connected with the distributor tank, a spring pressed valve in each casing and normally closing the same, a handle connected with each of the valves for permitting them to be moved to opening position, a flexible tube connecting each of the valve casings with a part to be lubricated and means on the supply tank for permitting an air pump to be attached thereto so that compressed air can be pumped into the tank to place the lubricant therein under pressure.



1,542,876. GRINDING MACHINE. BENGT M. W. HANSON, Hartford, Conn. Filed Aug. 20, 1921. Serial No. 493,780. 43 Claims. (Cl. 51—97.)

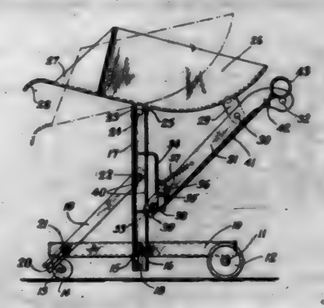


1. In a machine of the character described, an oscillating head, a foot bearing and an overhead bearing between which said head is supported, a carrier transversely adjustable on said head, and a spindle rotatably carried by said carrier and extending through said head, said spindle being longitudinally adjustable in said carrier in a plane to which the axis of said bearings is perpendicular.

1,542,877. MOBILE FURNACE STOKER. STEVENS PALMER HARMAN, Maplewood, N. J. Filed Feb. 23, 1923. Serial No. 620,580. 4 Claims. (Cl. 296—17.)

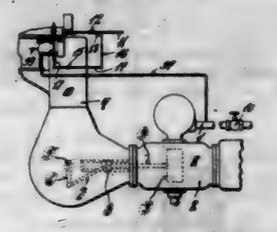
1. A portable stoker comprising a wheeled and castored truck, uprights on said truck, a hopper pivotally mounted

on said uprights, said hopper having a curved bottom at its rear, and a narrowed portion at the front adapted to



enter a furnace, a hooked end on said narrowed portion, and means for tilting said hopper.

1,542,878. AUTOMATIC STOPPING DEVICE. REINHARD HILDEBRAND, Webster Groves, Mo., assignor to Fulton Iron Works Company, St. Louis, Mo., a Corporation of Delaware. Filed Mar. 14, 1921. Serial No. 452,303. 18 Claims. (Cl. 103—22.)



1. In a pumping apparatus comprising a pump and a motor for actuating same, an automatic stopping device whereby said pump is stopped in response to predetermined high and low pressures, said automatic stopping device including operating means controlled by the fluid pressure transmitted from the pump, and said operating means including an operating member movable in one direction to stop the pump in response to a high pressure and movable in the opposite direction to stop the pump in response to a reduction in the pressure, yielding means tending to move said operating member in opposite directions, a weight tending to move said operating member in one of said directions, a pressure-responsive device adapted to move said operating member in the other of said directions, and means whereby fluid pressure is transmitted from said pump to said pressure-responsive device.

1,542,879. SCORING AND CUTTING RULE. JOHN EDGAR HIBBS, Langhorne, Pa., assignor to Automatic Machinery and Equipment Company, a Corporation of Delaware. Filed Dec. 15, 1923. Serial No. 680,794. 9 Claims. (Cl. 164—28.)



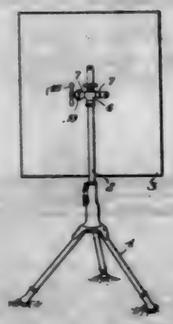
1. A scoring or cutting rule comprising a strip of metal having a continuous scoring edge and a plurality of indentations extending inwardly from the opposite edge.

1,542,880. ROTARY WELL-DRILLING TOOL. HIRAM B. HOBBS, Enid, Okla. Filed Mar. 21, 1923. Serial No. 626,591. 11 Claims. (Cl. 255—76.)



1. A rotary well drilling tool including a shell having one end thereof adapted to support a bit for cutting a bore, a reaming jaw pivoted upon the shell and adapted to swing outwardly thereon to active position for reaming out the bore behind the bit, a core bar slidable in the shell to coact with the jaw for swinging the jaw outwardly and normally sustaining the jaw in active position, means slidably connecting the core bar with the shell and adapted to limit the core bar in its upward movement upon the shell, and a sleeve connected to said core bar and slidably fitting over the shell.

1,542,881. ADJUSTABLE SUPPORTING MECHANISM FOR DRAWING BOARDS. ADOLPH HOFFMAN, Rochester, N. Y. Filed Nov. 10, 1924. Serial No. 748,924. 5 Claims. (Cl. 45—110.)

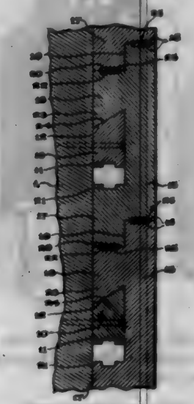


1. The combination with a post having a shoulder fixed thereon, of a yoke journalled on the post in engagement with said shoulder, a collar held against rotation on the post and slidable therealong to engage the outer face of the yoke, and a locking member having threaded engagement with the post and acting to force the collar and yoke toward said shoulder.

1,542,882. BUILDING BLOCK. WILLIAM F. HOFFMAN and HENRY FAHRENHOLTZ, Dayton, Ky. Filed Apr. 12, 1923. Serial No. 631,589. 2 Claims. (Cl. 72—19.)

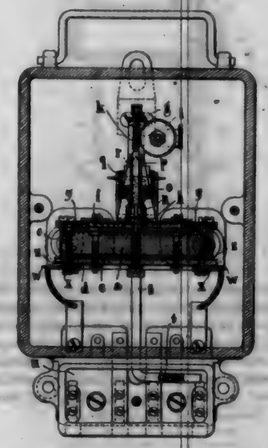
1. In a building construction, a plurality of strips adapted to be mounted in spaced parallel relation upon an unfinished wall, the strips having one edge inclined

toward the wall, and blocks adapted to be engaged upon the strips in rows, each block having its rear face formed with an opening of greater width than the strip to define a space between the other edge of the strip and the adjacent edge of the opening, said edge of the strip



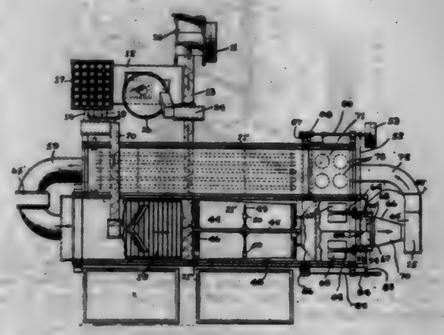
and said edge of the opening being formed with grooves, and a locking member adapted to be driven into said grooves.

1,542,883. METER. FRANK HOLDEN, Hampstead-London, England, assignor of one-third to Measurement, Limited, London, England, and one-third to La Compagnie pour la Fabrication des Compteurs et Matériel d'Usines a Gaz, Paris, France. Filed Feb. 27, 1922. Serial No. 539,587. 7 Claims. (Cl. 171—84.)



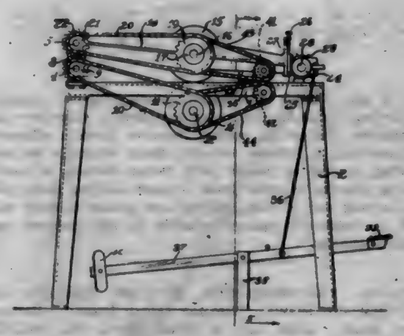
1. An electricity meter of the mercury motor type comprising in combination a mercury chamber formed from upper and lower plates clamped to a ring of magnetic material, a bell armature within said chamber, a permanent magnet within said bell, and conductors clamped upon one of said plates and adapted to make contact with the mercury through apertures in said plate.

1,542,884. COCOA POWDER PLANT. PAUL G. HOLZSTEIN, Carlstadt, N. J., assignor to J. M. Lehmann Company, Inc., New York, N. Y., a Corporation of New York. Filed June 14, 1922. Serial No. 568,858. 20 Claims. (Cl. 83—42.)



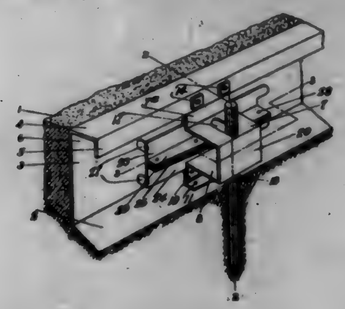
1. In a plant of the class described, the combination with a material treating chamber and a heat exchange room, of means for maintaining the circulation of a heat exchange medium through said chamber and room and in contact with the material, means for separating the entrained material from the medium before it is returned to said heat exchange room, means for preliminarily treating and delivering material to said treating chamber, means for separating the different grades of material after treatment and means for returning one separated part of the material to the preliminary treating means.

1,542,885. LEATHER-ROUGHENING MACHINE. WILLIAM F. HORSTING, Chicago, Ill., assignor to Standard Leather Machinery Co., Chicago, Ill., a Corporation of Delaware. Filed Jan. 5, 1924. Serial No. 684,494. 10 Claims. (Cl. 69—1.)



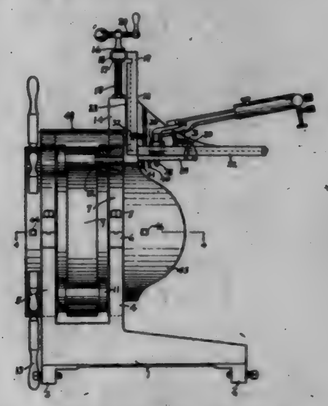
1. A leather roughening machine comprising a table, a frame pivoted on said table, means on said pivoted frame for feeding a sheet of leather over the table, and a roughening mechanism on said pivoted frame adapted to act on the surface of the sheet of leather to roughen the same.

1,542,886. ROAD RAIL OR FORM. MARK S. HOTCHKISS, Johnson City, N. Y. Filed Mar. 2, 1925. Serial No. 12,604. 9 Claims. (Cl. 25—118.)



1. A road form comprising a rail, a stake receiving member secured thereto, and a stake securing device including a wedge shaped member having separated stake engaging surfaces.

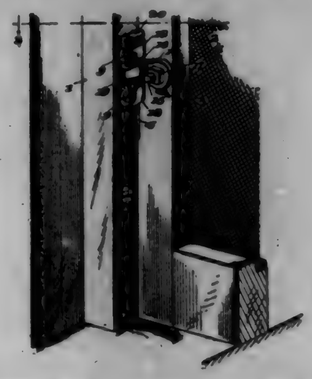
1,542,887. OXYACETYLENE PIPE-CUTTER ATTACHMENT. JOHN L. IRVIN and LEO A. BRAUER, Beaumont, Tex. Filed May 19, 1923. Serial No. 640,063. 9 Claims. (Cl. 266—23.)



1. A pipe cutter attachment comprising an upright supporting frame having a circular opening therethrough, nonfriction supporting rollers mounted therein adjacent said opening, a tubular master chuck rotatable in said opening, means to rotate said chuck therein, a torch-guiding bushing in said chuck, a torch-holding plate over the forward end of said bushing and means to hold said plate in uniformly spaced relation to the forward end of said bushing.

1,542,888. FASTENER FOR WINDOW SCREENS OR STORM WINDOWS. THOMAS OSCAR IVERSON, Rochester, Minn. Filed Apr. 9, 1924. Serial No. 705,277. 3 Claims. (Cl. 292—342.)

1. A fastener for securing a window screen or storm window to a window frame comprising a bracket attachable to an outer vertical guide strip of the window frame, said bracket comprising a pair of spaced apart hook portions having the web portions thereof proximate to the adjacent face of a side member of the frame for said window screen or storm window, a second bracket attachable to said side member of the frame of the window screen or storm window and having a hook portion bent reversely to the hook portion of said first named bracket and disposed between said first named



hook portions, and a tapering locking key insertable between the first named hook portions and the hook portion of the second named bracket.

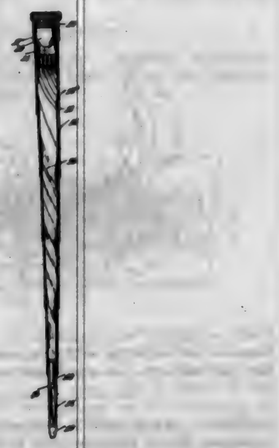
1,542,889. MOTOR-STARTING DEVICE. CARROLL R. JOHNSON, Essex, Iowa. Filed June 12, 1924. Serial No. 719,688. 4 Claims. (Cl. 74—106.)



1. An engine starter comprising a member adapted to be secured to a drive wheel, an additional member adapted to be secured to the crank of an engine to be started, a connection between said members as to cause one to be rotated by the other, and means in the connection for causing a longitudinal movement of one member away from the other member upon rotation of one member by the other through the connection.

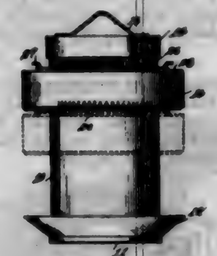
1,542,890. UMBRELLA CASE. JESSE C. KITTERMAN, Corydon, Ind., assignor of one-half to Russell R. Rowe, Corydon, Ind. Filed Apr. 17, 1924. Serial No. 707,174. 2 Claims. (Cl. 135—17.)

1. A combined cane and umbrella case comprising a casing including telescopic sections the larger end one of which is externally threaded at both ends, said sections, when extended receiving the umbrella, an internally threaded cup fixed on the handle end of the stick of the umbrella and arranged to receive one end of said larger end section when the sections are telescoped, and



a cap arranged to be engaged on the other end of said larger end section when the sections are collapsed, at times, and when the sections are extended, at times.

1,542,891. POULTRY FEEDER. JOHN H. KLAASSEN, George, Iowa. Filed July 6, 1923. Serial No. 649,911. 4 Claims. (Cl. 119—52.)



4. The combination with the upright container of a poultry feeding device having a tray on its lower end, of a disinfectant discharging means including a hollow ring encircling the container and arranged to be moved toward and away from said tray, means carried by the ring for discharging disinfectant onto poultry eating from said tray, and spring means secured to the ring and frictionally encircling the receptacle whereby to hold the ring in different positions with relation to said tray.

1,542,892. METHOD OF FORMING A SERRATED EDGE. CONRAD A. KOENIG, Auburn, N. Y. Filed June 1, 1922. Serial No. 565,230. 2 Claims. (Cl. 76—104.)

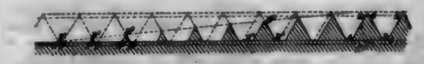
1. The method of producing a serrated edge, comprising shaping a flat metal knife blank, heating the blank, pressing in one surface of the blank while the blank is in heated condition a multiplicity of simultaneously formed grooves deepening toward one edge of the blank and extending only partially through the blank at their

edge and without changing the flat character of the opposite surface of the blank, and then grinding the blank



so formed upon the said flat surface opposite that in which the grooves are formed until a serrated cutting edge is produced.

1,542,893. TAPS, DIES, AND THE LIKE. PAUL KREUTZBERGER, Bellevue, France. Filed Aug. 23, 1921. Serial No. 494,563. 2 Claims. (Cl. 10—141.)



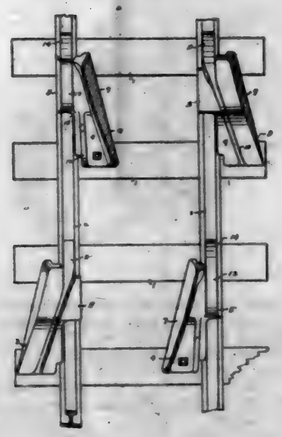
1. An improved screw cutting tool of the type of taps, dies and the like comprising a series of teeth, in which similar sides, one on each tooth, are formed as cutting (front) edges and all lie on a first common screw surface, while the opposite set of similar sides, one on each tooth, is formed with non-cutting (back) edges, and all lie on a second common screw surface, the non-cutting edges being such that each surface formed by the back of a tooth and passing through one of the said edges coincides with the said second common screw surface; while the cutting edges are such that the surfaces formed by the backs of the teeth and passing through the said edges are screw surfaces having a common pitch which is greater than that of either of the said common screw surface, the screw surfaces for consecutive teeth being axially displaced with regard to one another.

1,542,894. COMBINATION CANE OR THE LIKE AND SIGNAL. PAUL P. LANGNER, Minneapolis, Minn. Filed Oct. 2, 1924. Serial No. 741,121. 2 Claims. (Cl. 135—45.)



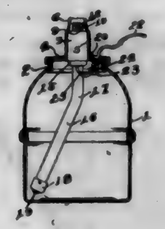
1. A cane, having a handle at its upper end, a sign plate secured near the lower end of the cane, said sign plate and handle projecting from the cane in a common plane.

1,542,895. RERAILING FROG. CHARLES R. LAW, Mansfield, La. Filed Mar. 22, 1924. Serial No. 701,031. 2 Claims. (Cl. 104—268.)



1. Car replacers including two members having upper inclined faces and formed at corresponding sides to engage over the treads of the rails of a railway track, a single diagonal upstanding rib formed on the upper face of one member, whose upper end is turned into alignment with the underlying rail and extended forming a declining forward projection, said rib and projection forming a continuous tread for the car wheels, an upstanding rib formed on the upper face of the other member parallel with the adjacent rail, and a supplemental tread formed on the last mentioned member and offset with respect to said last mentioned rib and aligned with the underlying rail and extended forming a declining forward projection.

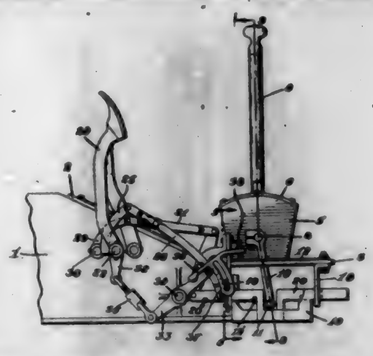
1,542,896. PUMP-FEED OIL CAN. GUSTAVE LIDSEEN, Chicago, Ill. Filed Dec. 1, 1924. Serial No. 753,284. 15 Claims. (Cl. 221—51.)



12. An oil feed device comprising a container, a spout removably engaged thereon, a control valve therein, an oil feed mechanism in said container having a reciprocal engagement with said spout, and a lever mechanism on said spout for reciprocating said oil feed mechanism to cause oil from said container to actuate the valve and be pumped out of said spout.

1,542,897. DRIVING ATTACHMENT FOR AUTOMOBILES. WILLIAM H. LONSDALE, Brownsburg, Quebec, Canada. Filed May 3, 1924. Serial No. 710,945. 7 Claims. (Cl. 74—89.)

1. A driving attachment for an automobile having a transmission casing containing variable gearing and a clutch pedal shaft adapted to set said gearing for low speed, comprising a yoke slidably supported by said casing, an operative connection between the yoke and the



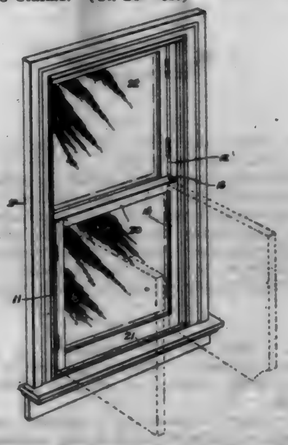
shaft, a slidable bar supported by the casing, an operating lever for shifting said bar, and a rod secured to the bar and adapted to engage said yoke.

1,542,898. RAIL BOND. MATTHEW H. LOUGHRIDGE, Bogota, N. J. Filed Oct. 25, 1920. Serial No. 419,201. 10 Claims. (Cl. 173—280.)



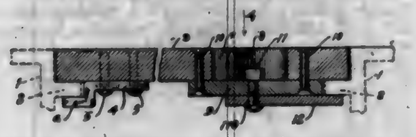
5. In a rail bond, a plurality of wires each of substantially the same sectional area throughout, said wires shaped near each end to have a cross-section forming a portion of a circle, said wires when placed adjacent one another forming substantially a frustrum of a cone with its base at the end of each of said wires.

1,542,899. SLIDING AND SWINGING WINDOW. JOHN MCASKILL, Brooklyn, N. Y., assignor to Columbia Safety Sash Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed Aug. 15, 1922. Serial No. 582,067. 5 Claims. (Cl. 20—48.)



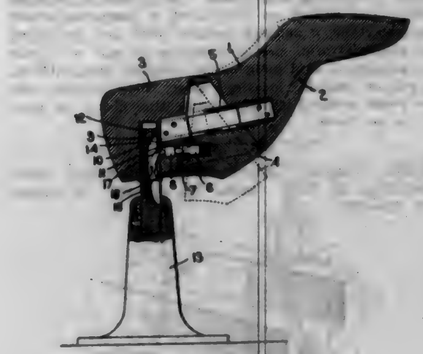
1. In a window, the combination of a frame having on each side strips defining a guideway a slide in each guideway, and adapted to normally be located in the upper part and the lower part of the frame respectively, a tongue in each guideway and opposite the normal position of each slide, a sash hinged to each slide and having a groove in its free edge to engage and receive the tongue, and weather closures at the hinged edge of the sashes.

1,542,900. MANHOLE COVER. ARTHUR MADDOCKS, Denver, Colo. Filed Feb. 4, 1924. Serial No. 690,485. 1 Claim. (Cl. 94—35.)



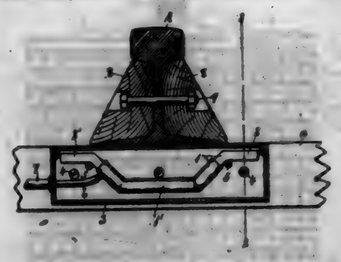
A manhole cover comprising a plate, a lug secured to one side of the plate near the outer edge thereof, said lug having a portion spaced from the surface of the plate so as to provide an opening for the reception of a flange, said cover having an opening near the side opposite from the lug, a plate secured to the underside of the cover and adapted to cover the opening, a turn button rotatably secured to said plate, means comprising a noncircular head secured to the turn button and accessible from the top of the plate for rotating the turn button, and means comprising a plug having an opening adapted to receive the head for holding said button-turning means against accidental movement when the button is in locking position.

1,542,901. DEVICE FOR UNLOCKING LASTS. JOHN W. MAY, Boston, Mass., assignor of one-eighth to J. Dudley Clark, Boston, Mass. Filed Aug. 6, 1921, Serial No. 490,202. Renewed Oct. 28, 1924. 4 Claims. (Cl. 12—135.)



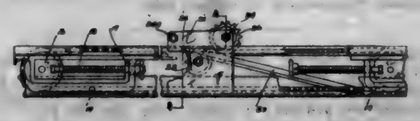
1. In a device for unlocking lasts wherein the lock is releasable by a lock-releasing member situated exterior to the thimble in the heel part, but operable from within said thimble, the combination with a last pin to enter said thimble, of means carried by the last pin and actuated by the movement involved in placing the last over the last pin to actuate the lock-releasing member, thereby to unlock the last.

1,542,902. ELECTROMAGNETIC APPLIANCE FOR RAILWAYS. RAYMOND S. MERRIETT, Syracuse, N. Y. Filed Aug. 11, 1922. Serial No. 556,847. 4 Claims. (Cl. 246—63.)



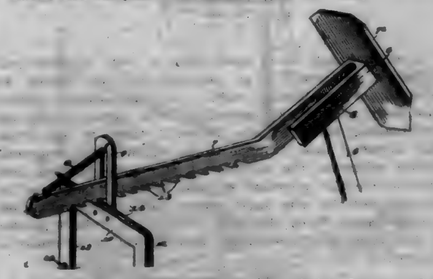
1. An electromagnetic appliance for railways comprising in combination with one of the rails, an electromagnet directly below and in proximity to the base of the rail, and a housing of non-magnetic matter inclosing said magnet.

1,542,903. PAN CONVEYER. JOEL MOORE, Cincinnati, Ohio, assignor to The J. H. Day Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Dec. 11, 1922. Serial No. 606,069. 12 Claims. (Cl. 198—168.)



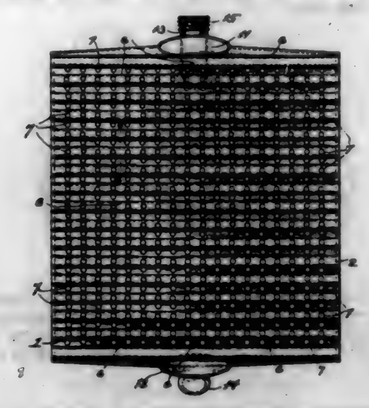
1. In a device of the class described the combination of a pair of rails disposed in vertical relation one to another, the upper rail terminating intermediate the ends of the lower rail, endless chains extending adjacent the rails, detached trays for movement over the rails and adapted to fall from the upper rail to the lower rail upon reaching the end of the upper rail disposed intermediate the ends of the lower rail and spaced cross bars carried by the chains adapted to move trays in opposite directions on the rails.

1,542,904. CLUTCH-PEDAL CONTROL. REINHART L. NORDNESS, Lily, S. Dak., assignor of one-half to Henry A. Roseth, Lily, S. Dak. Filed May 7, 1923. Serial No. 637,334. 2 Claims. (Cl. 74—81.)



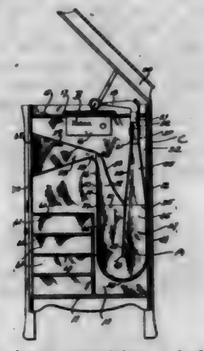
1. A clutch pedal comprising a rockable lever, a bar pivotally mounted at one end on said lever, a guide for the bar, said bar being provided with a plurality of teeth and having an end projecting through and beyond said guide, a keeper engageable with the teeth, means for resiliently connecting the projecting end of the bar to the guide whereby said ends will normally tend to move upwardly when the lever is rocked, and a tread on the end of the bar adjacent its pivotal point on the lever.

1,542,905. AUTOMOBILE RADIATOR. CHARLES H. NOBLIN, Philadelphia, Pa. Filed July 24, 1923. Serial No. 653,546. 6 Claims. (Cl. 257—131.)



1. A radiator consisting essentially of two mating sheets of counterpart corrugated form secured together along their side edges to define a wide shallow tortuous passage for fluid, the bights of the corrugation being disposed transversely to the air flow.

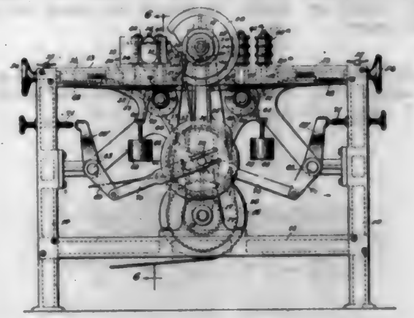
1,542,906. SOUND MODULATOR. ETHEL M. PACE, Vicksburg, Miss., assignor of one-half to Edward R. O'Neill, jr., New Orleans, La. Filed July 19, 1922. Serial No. 576,064. 1 Claim. (Cl. 181—27.)



A phonograph horn comprising a body portion providing a relatively large chamber therein having an open top, and a bottom wall, a partition secured within said body portion and extending from the open top and terminating short of the closed bottom to sub-divide the chamber into two portions which have communication adjacent the bottom of the body portion, and inlet and outlet portions secured upon the body portion at substantially the same plane, said inlet and outlet portions each being disposed over a sub-divided portion of the body portion chamber and having communication therewith.

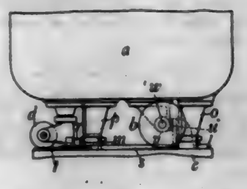
1,542,907. RUBBER-CUTTING-OFF MACHINE. LOUIS J. PIANAROSA, Trenton, N. J., and WILLIAM NICHOLAS, Bridgeport, Conn., assignors to The Black Rock Mfg. Co., Bridgeport, Conn., a Corporation of Connecticut. Filed Mar. 10, 1922. Serial No. 542,546. 16 Claims. (Cl. 164—61.)

1. The combination with two feeding devices, each for feeding a bar of rubber or the like lengthwise, clamping devices for holding the said bars of rubber in position after being fed, a rotary knife, a swinging carrier pivotally mounted at one end and supporting the rotary knife at the other end and operatively



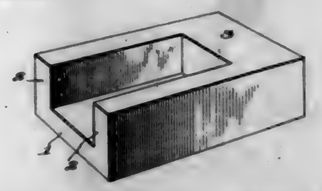
mounted as between the two said bars of stock, and means for swinging the carrier backward and forward about said pivot to bring the knife into engagement with the said stock.

1,542,908. MACHINE FOR THE MIXING AND KNEADING OF BREAD DOUGH. JOHN EDWARD POINTON, Peterborough, England, assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Filed Nov. 12, 1923. Serial No. 674,413. 3 Claims. (Cl. 259—81.)



3. In a dough mixing and kneading machine, the combination comprising a portable bowl, runners, locating members and buffers on said bowl, a platform housed in said machine, a gudgeon integral with and projecting below said platform, means consisting in part of a gear wheel secured to said gudgeon for rotating the platform, and runner guards, locating shoes, shoe latches, and buffer stops integral with and projecting above the platform, as set forth.

1,542,909. BRICK. JOSEPH REGAN, Rockville, Conn. Filed Dec. 19, 1923. Serial No. 681,493. 3 Claims. (Cl. 72—37.)



2. A building brick comprising an integral rectangular brick having a recess located centrally between the longitudinal sides of the brick, one end of the recess opening through one end of the brick and the other end of the recess terminating short of the opposite end of the brick, the cubical area of the recess being substantially one-third of the cubical area of the entire brick.

1,542,910. FUEL-BURNING GRATE. CORA H. REID, Niagara Falls, N. Y. Filed Nov. 25, 1921. Serial No. 517,432. 7 Claims. (Cl. 126—152.)



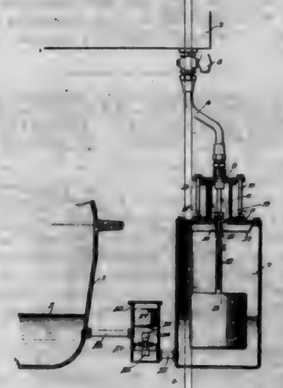
1. A fuel burning grate comprising a supporting member having openings, a flange surrounding each opening, a cap having a depending skirt surrounding each flange and providing an uninterrupted passage for air through the openings and between the flanges and skirts around the entire periphery of the openings.

1,542,911. MULTIPLE-CONNECTION DRY-CELL BATTERY. CARL SEAVERNS RIDER, Lansing, Mich., assignor to National Carbon Co. Inc., a Corporation of New York. Filed May 23, 1921. Serial No. 471,660. 8 Claims. (Cl. 136—107.)



5. In a battery of dry cells, a plurality of cathode elements arranged to present a serrated surface upon one side and a flat surface upon another, an anode operatively adjacent to both said surfaces, and a group of cathode and anode elements adapted to interfit with those first described, whereby an assembly having only flat exterior faces is formed.

1,542,912. MOTOR-VEHICLE-ENGINE LUBRICATING SYSTEM. CHARLES ROCKWELL, Newcastle, Wyo. Filed Jan. 18, 1924. Serial No. 687,039. 6 Claims. Cl. 184—108.)



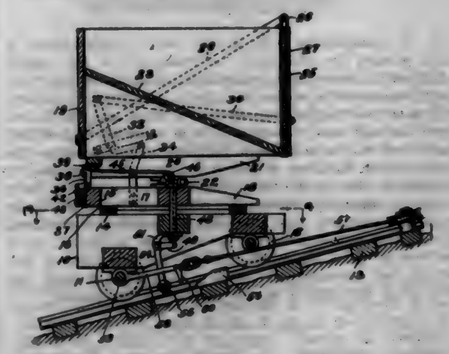
1. The combination with the crank case of an automobile engine, of an elevated supply tank, connections between the tank and crank case including a reservoir adjacent the crank case, a partition extending across the reservoir and having an oil passage formed therethrough, a valve stem extending through said passage, valves on said stem above and below the partition and adapted to, respectively, close the upper and lower ends of said passage, a float in the reservoir above the partition, and a yielding connection between the upper valve and said float.

1,542,913. VACUUM METER. OSKAR SEITZ, Baden, Switzerland, assignor to Gleichrichter-Aktiengesellschaft, Glarus, Switzerland. Filed Aug. 29, 1921. Serial No. 496,261. 4 Claims. (Cl. 73—31.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. A vacuum meter of the McLeod type including a graduated capillary tube, a barometric tube communicating with the capillary tube and having an enlarged bore at its upper end, a storage vessel surrounding the lower end of the barometric tube, the cross section of said enlarged bore being very great in proportion to the cross-section of the space between the lower part of the barometric tube and the walls of the mercury storage vessel for the purpose of rendering the adjustment of the mercury storage vessel which is necessary for the proper adjustment of the comparing mercury meniscus practically independent of variations of atmospheric pressure.

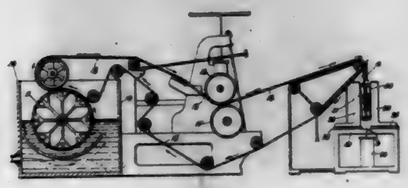
1,542,914. DUMP CAR. CARL V. SHAMBERGER, Indiana, Pa., assignor to Mine Appliances Company, a Corporation of Delaware. Filed Mar. 14, 1925. Serial No. 15,488. 10 Claims. (Cl. 214—58.)



1. The combination, with a dump car having an underframe, a tilting body carried on said underframe and capable of being rotated about a vertical axis so as to dump in any desired direction and means for normally

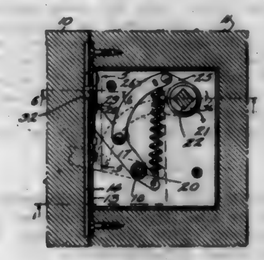
locking the body against dumping, of a track upon which said car is adapted to be hauled, and means for releasing said body to permit the same to dump automatically when a predetermined point in the path of travel of the car is reached.

1,542,915. PAPER YARN AND PROCESS OF PRODUCING THE SAME. JOHN C. SHERMAN, Portland, Me., assignor to Brown Company, Berlin, N. H., a Corporation of Maine. Filed Nov. 16, 1921. Serial No. 515,484. 15 Claims. (Cl. 117—3.)



1. A roving formed of cellulose fibers, consisting of a fibrous strip initially coiled transversely about one of its longitudinal edges, and having the fibers of its coils united together.

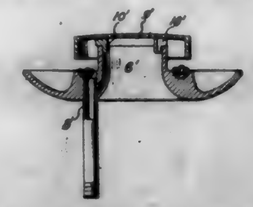
1,542,916. LATCH. JOHN A. SKOGERSON, Sioux City, Iowa. Filed July 1, 1924. Serial No. 723,470. 7 Claims. (Cl. 292—223.)



1. In combination with a door and a door casing, a bolt pivoted in the door intermediate of its length adapted to move from inoperative position where it is contained entirely within the door, to operative position where it extends into the casing, a latch adapted to engage the bolt and to maintain it in inoperative position, said latch having a portion disposed so as to engage the casing when the door is moved to closed position and to withdraw the latch from engagement with the bolt, manually operable means for returning the bolt to inoperative position, said last means including a swinging arm, and a link attached to the arm and to the bolt at a position between the outer end and the pivot thereof and means for returning the latch to engagement with the bolt when the door is moved away from the casing.

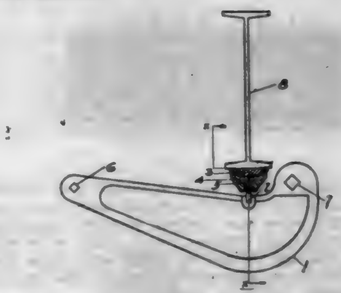
1,542,917. BURNER. RALPH H. STAPLES, Mount Vernon, Ind. Filed Feb. 24, 1923. Serial No. 620,982. 1 Claim. (Cl. 158—91.)

A burner of the class described comprising a base having a vertically arranged air passage therein, a flange formed on the upper portion of the base and forming a continuation of the air passage, a groove formed in the base adjacent the flange, a wick, in said groove, a trough formed in the base, between the groove and the periphery



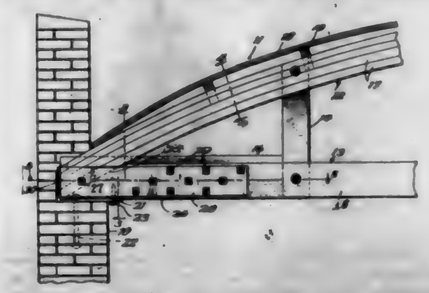
of the base, said trough being deeper than the groove, a flanged cover, projections thereon engaging the top of the flange to support the cover in spaced relation to the flange and means for delivering oil to the wick groove.

1,542,918. WEIGHING SCALE. DAVID W. STUBBS, Chicago, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed Mar. 15, 1923. Serial No. 625,364. 4 Claims. (Cl. 265—71.)



1. In a scale, in combination, a main lever, a load supporting member carried by said lever, a bridge girder operatively connected to the load supporting member, and a key interposed between the bridge girder and the load supporting member for the purpose of compensating for any inequalities therebetween, said key having a curved face contacting with said load supporting member and said key being shiftable without displacing the relative positions of the said supporting member and said bridge girder.

1,542,919. ROOFING-TRUSS STRUCTURE. WILLIAM J. SUMMERBELL, Alhambra, Calif. Filed May 29, 1922. Serial No. 564,402. 7 Claims. (Cl. 108—23.)



4. In a truss, the combination with top and bottom chords, the top chord comprising a plurality of superposed laminated members, being bowed and longitudinally

slotted, and the end of the bottom chord obliquely abutting the top chord inside the supporting point of the latter, and a metal stirrup embracing and fastened to the truss end, with the extreme end of the top chord fitted throughout its depth in end grain abutting contact with said stirrup, the bottom chord being provided with an intermediate extension which projects into the slot of the top chord at the end of the truss.

1,542,920. BEDPAN SUPPORT. HELMERT A. SWENSON, Philadelphia, Pa., assignor to H. D. Dougherty & Company, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Mar. 17, 1922. Serial No. 544,392. 6 Claims. (Cl. 5—308.)



1. In a device of the character described, the combination of a receptacle for receiving and holding a container, said receptacle having relatively stationary means at one end for suspending the said end from a suitable support and also having a tubular member secured to its upper side and extending longitudinally thereof, and a rod extending into the said tubular member and having slidable engagement therewith, the said rod projecting from the said tubular member at the opposite end of said receptacle and being adapted to suspend the said opposite end from a suitable support.

1,542,921. STOVE. JESSE R. THOMAS, Kansas City, Kans., assignor to Lewis H. Borserine, Kansas City, Mo. Filed Mar. 27, 1924. Serial No. 702,264. 4 Claims. (Cl. 158—88.)



3. A hydrocarbon burner comprising a hollow vaporizing chamber, the hollow vaporizing chamber being horizontally disposed and having depending triangular offset portions with apexes of the angular portions directed toward the front of the chamber, the forward portion of the chamber extending beyond the apexes and having spaced flat walls, nozzles for directing flame against the apexes of the angular portions, the angular portions being spaced apart, the inner walls of the angular portions converging toward the rear of the chamber so that the narrowest space between the walls of the angular portions will be at the rear of the chamber and means for communicating the nozzles with the chamber.

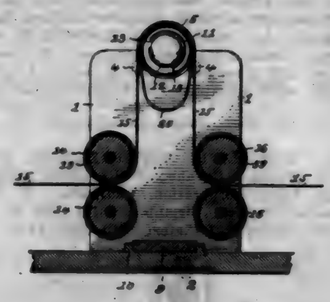
1,542,922. TELEPHONE RECEIVER. GEORGE K. THOMPSON, Maplewood, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Apr. 21, 1920. Serial No. 633,754. 7 Claims. (Cl. 179—114.)

1. A telephone receiver comprising a permanent magnet, two electromagnets presenting upper ends of opposite polarity to a diaphragm, the lower ends of said electromagnets lying above said permanent magnet, and two pole pieces movably mounted on said permanent mag-



net, said pole pieces extending between the lower ends of the electromagnets, each pole piece being free to respond to attraction toward either electromagnet.

1,542,923. PHOTOGRAPHIC-PRINTING APPARATUS. DAVID G. URQUHART, Chicago, Ill., assignor to Photo Sales Service Corporation, Chicago, Ill., a Corporation of Illinois. Filed Nov. 15, 1920. Serial No. 424,229. 27 Claims. (Cl. 95—75.)

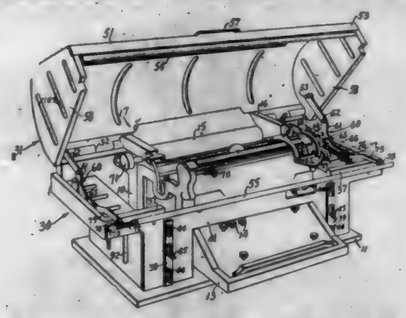


1. In a photographic printing apparatus the combination of a frame, a transparent cylinder rotatably supported on said frame and disengageable therefrom, an endless film strip of flexible material movably engaging said cylinder and movable off of and onto the same when it is disengaged from the frame, a luminant within the cylinder, and means for transmitting a web of flexible sensitized material across the cylinder in register with the film strip of flexible material.

1,542,924. TYPEWRITING MACHINE. JOHN WALDHEIM, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed July 18, 1921. Serial No. 485,521. 20 Claims. (Cl. 197—186.)

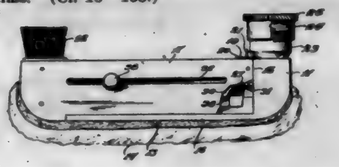
1. A sound-deadening casing for a typewriting machine having a carriage and a finger-piece projecting therefrom, said casing comprising a body-part having a front wall, a cover forming with the top of said front wall a slot through which the finger-piece projects to

travel therealong with the carriage, the upper part of said front wall being shiftable downwardly, and cover-controlled means for shifting said portion of the front



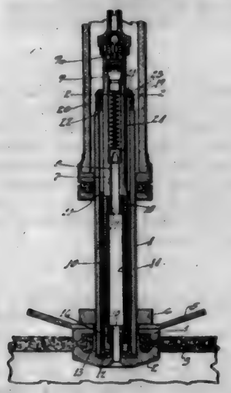
wall downwardly during the lifting of the cover to open the slot in both directions, and upwardly to effective position during the closing of the cover.

1,542,925. SHOE POLISHER. HAROLD M. WAMBOLD, Jermyn, Pa. Filed Mar. 8, 1924. Serial No. 697,758. 5 Claims. (Cl. 15—135.)



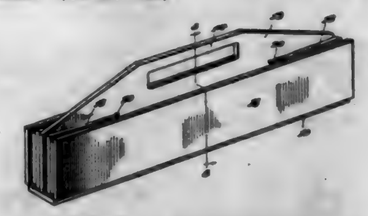
1. In a shoe polisher, the combination of a casing to receive a container of polish, a dauber mounted upon the casing, spaced top lugs forming abutments to receive the forward thrust of the container, means for conveying polish from said container to the dauber, and means to coact with said container for feeding polish to the dauber.

1,542,926. PNEUMATIC TIRE-PRESSURE GAUGE. PARK E. WELTON, Cuyahoga Falls, Ohio, assignor to Tiregage Valve Corporation, Charleston, W. Va., a Corporation of West Virginia. Filed Jan. 17, 1923. Serial No. 613,253. 7 Claims. (Cl. 152—11.5.)



1. In a pneumatic tire pressure gauge, the combination of a tire stem; a valve carrying plunger in the stem subjected to the tire pressure and responsive in movement to said pressure; and a thimble secured to the outer end of the valve stem and forming a stop limiting the outward movement of the plunger, said stop being located at the limit of the outward movement of the plunger.

1,542,927. TOOL BOX. HOBART B. WHITAKER, Norton, Va. Filed Apr. 30, 1924. Serial No. 710,078. 2 Claims. (Cl. 217—46.)

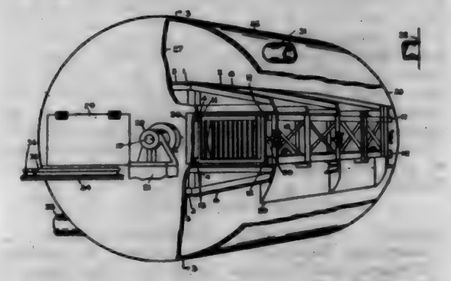


2. In a tool box, the combination of a bottom wall including a center section and side sections hinged to the center section, side walls hinged to the side sections of the bottom wall and foldable downwardly theresgainst, a partition fixed to the center section of the bottom wall, end wall sections hinged to the partition at opposite sides thereof closing the box at its ends, studs carried by the side walls, and springs catches carried by the end wall sections and apertured to engage over said studs connecting the side walls with said end wall sections whereby the end wall sections provide separate rigid braces for the side walls, the end wall sections being foldable inwardly to lie along the sides of said partitions and the side sections of the bottom wall with the folded side walls being foldable upwardly to overlie said end wall sections.

1,542,928. PROCESS FOR THE PRODUCTION OF DISINFECTING SOLUTIONS WHICH ARE CAPABLE OF BEING REGENERATED. ALBERT WOLFF, Berlin, Germany. Filed July 7, 1924. Serial No. 724,714. 2 Claims. (Cl. 23—86.)

2. A process for producing hypochlorite solutions, consisting in treating neutral or only slightly alkaline diluto aqueous solutions of chlorides of metals capable of forming hypochlorites with ozone in the presence of a metallic oxide until they are saturated with ozone, the said treatment being repeated several times and spread over a considerable period, as set forth.

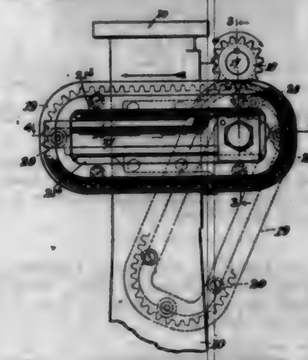
1,542,929. CENTRIFUGAL DRIER. EDWARD WOOLRICH, Sault Ste. Marie, Ontario, and GOTTLIEB RUDOLPH HOLLIGER, Montreal, Quebec, Canada. Filed Jan. 7, 1924. Serial No. 684,889. 9 Claims. (Cl. 34—28.)



6. In a centrifugal drier, an open frame rotatably mounted and having compartments at opposite sides, carriages forming containers having main frames and screw adjusted spring tighteners in said frames and

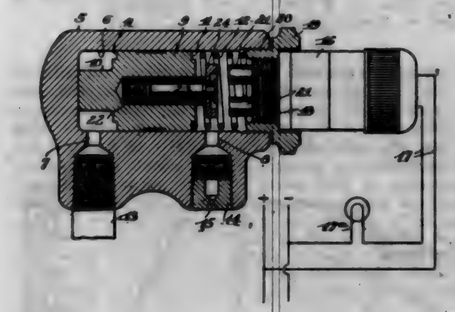
pivoted clamping screws and nuts adapted to engage brackets secured to the main frame and a casing housing said frame and having an inlet connected to a compressed air supply and a discharge opening for the laden air.

1,542,930. BASKET-MAKING MACHINE. JOHN G. EKLUND, St. Joseph, Mich., assignor to St. Joseph Iron Works, St. Joseph, Mich., a Corporation of Michigan. Filed July 13, 1922. Serial No. 574,753. 9 Claims. (Cl. 147—47.)



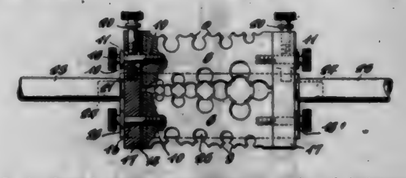
1. In a basket stapling machine of the type employing a traveling basket form and having a frame and means for intermittently driving the form, the combination therewith of a form guide bracket affixed to the frame, said bracket having a pair of parallel guide strips one of which is shorter than the other, the longer guide strip joined with an arcuate guide strip, and rollers on the form adapted to move between and in contact with said guide strips to control the motion of the form.

1,542,931. AUTOMATIC ELECTRIC SWITCH. EDWARD B. FOOTE, Rochester, N. Y., assignor to Taylor Instrument Companies, Rochester, N. Y., a Corporation of New York. Filed Apr. 21, 1923. Serial No. 633,767. 6 Claims. (Cl. 200—82.)



1. In a fluid pressure operated switch for controlling an electric circuit, the combination of a cylinder, a piston therein, contacts adjacent one end of the cylinder, circuit control means adapted to be moved by the piston for opening and closing a circuit through said contacts, means for admitting fluid pressure to either end of the piston, and yieldable means adapted to be assembled at either end of the cylinder so as to maintain the switch either in open or closed position when the pressure of the fluid upon the piston is relieved.

1,542,932. THREAD CUTTER. WILLIAM H. FULLINGTON, Cleveland, Ohio, assignor to Katharine J. Riddell, Cleveland, Ohio. Filed Mar. 6, 1924. Serial No. 697,249. 7 Claims. (Cl. 10—114.)



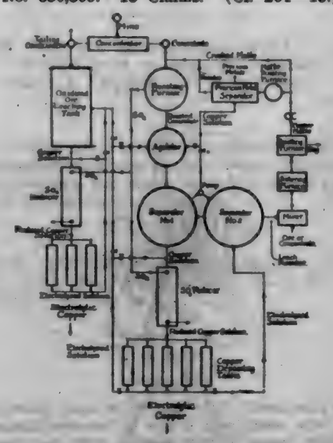
3. A thread cutter comprising a pair of bolsters, a pair of die plates arranged between and removably connected to the bolsters, said plates being revolvable upon their longitudinal axes upon separation of the bolsters, a removable guide plate arranged upon the under side of the die plates, and operating handles for the cutter.

1,542,933. MIXING DEVICE. WILLIAM OWEN GEPFERT, Arch Creek, and CHARLIE STROMQUIST, Miami, Fla.; said Stromquist assignor to said Gepfert. Filed Nov. 6, 1922. Serial No. 599,366. 2 Claims. (Cl. 48—180.)



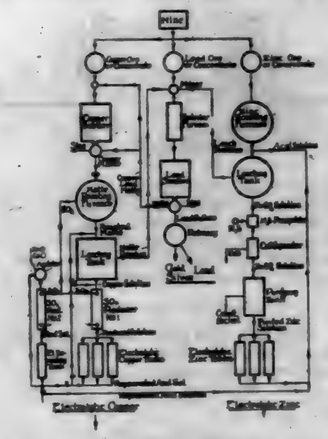
1. In a device of the character specified comprising a body having a central recess for containing a plurality of filtering screen units, each unit comprising a disk of wire net-work and a disk of metal formed with a plurality of perforations, washers holding said units in spaced relation, means in connection with one of the units for limiting the volume of gas penetrating the said units, and means for retaining said units in position in said recess in the body.

1,542,934. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Apr. 6, 1923. Serial No. 630,309. 15 Claims. (Cl. 204—15.)



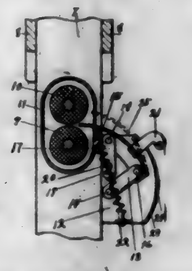
1. A process of treating copper ores comprising, concentrating the ore into a sulphide concentrate, roasting the concentrate, leaching the concentrate to extract a portion of the copper, then smelting the leached concentrate residue to get the remainder of the copper into a matte, crushing the matte, adding the crushed matte to a new sulphide concentrate charge and repeating the cycle.

1,542,935. METALLURGICAL PROCESS. WILLIAM E. GREENAWALT, Denver, Colo. Filed Jan. 31, 1924. Serial No. 689,613. 11 Claims. (Cl. 204—15.)



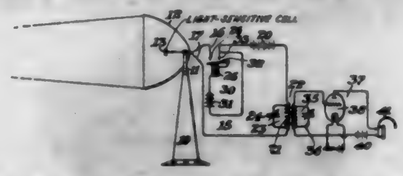
1. A process of treating copper and lead ores containing precious metals comprising, smelting the copper ore to matte, crushing the matte, roasting the matte, leaching the roasted matte with a dilute acid solution to extract a portion of the copper, electrolyzing the resulting copper solution to deposit the copper and regenerate acid, returning the regenerated acid solution to the roasted matte and repeating the cycle until the copper in the roasted matte is sufficiently extracted, then mixing the roasted matte leach residue containing the precious metals and a small amount of copper with the lead ore, smelting the mixture whereby the major portion of the precious metal values are concentrated into a lead bullion and the minor portion into a lead-copper matté, and adding the lead-copper matte so obtained to a new copper ore charge for copper matte smelting, and repeating the cycle.

1,542,936. SAFETY DEVICE FOR CLOTHES WRINGERS. LESTER S. GUNDERMAN, Pittsburgh, Pa. Filed Mar. 7, 1923. Serial No. 623,379. 3 Claims. (Cl. 68—32.)



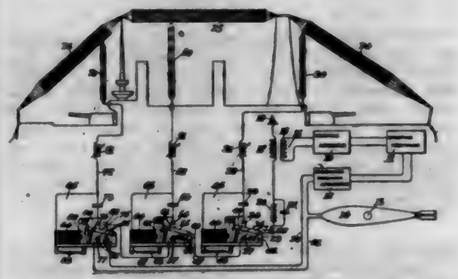
1. An attachment for a clothes wringer frame having presser rolls, comprising a pair of brackets mounted on the wringer frame, a link member with the lower end pivoted to each of said brackets, a feed bar with the lower end hinged to the outward extended end of the link members, said members guiding the movement of said feed bar, link members having slotted bearings, having one end of each slidably connected to each of said brackets and the opposite ends extending upward and pivotally mounted to side flanges on said feed bar for guiding the upper edge of said feed bar, when feeding different thicknesses of clothes to the presser rolls, a pair of handles secured to said feed bar to move said feed bar to the bite of the presser rolls, and a cover plate mounted on said brackets for protecting said feed bar when in an inoperative position.

1,542,937. OPTICAL INSTRUMENT. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed May 8, 1920. Serial No. 379,840. 7 Claims. (Cl. 250—1.)



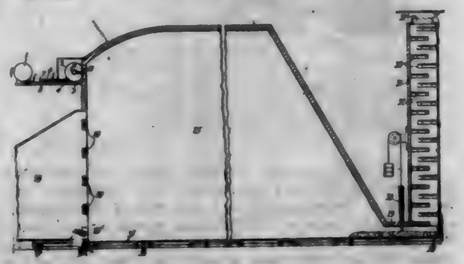
1. In an optical instrument, a receiver thallium oxosulphide cell sensitive to light waves, and means actuated by said receiver for detecting variations in the intensity of said light waves.

1,542,938. AUTOMATIC ANTENNA SYSTEM. JOHN HAYS HAMMOND, Jr., Gloucester, Mass. Filed July 9, 1920, Serial No. 395,018. Renewed Aug. 29, 1924. 23 Claims. (Cl. 250—2.)



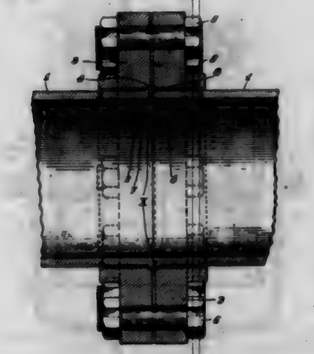
1. In a wireless receiving system, a plurality of antennæ, a receiving apparatus responsive to all of said antennæ one at a time, and means for automatically connecting one antenna to said receiving apparatus in place of another antenna.

1,542,939. PROCESS AND APPARATUS FOR TREATING LIQUID MATERIAL. ERNEST HOPKINSON, New York, N. Y., assignor to General Rubber Company, New York, N. Y., a Corporation of New Jersey. Filed Oct. 27, 1923. Serial No. 671,127. 42 Claims. (Cl. 18—50.)



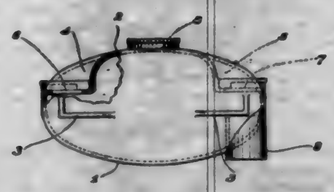
1. A process of drying latex or similar materials which consists in, filming the latex with opposite free surfaces, dispersing the film into liquid particles, and substantially drying the particles while dispersed.

1,542,940. FLANGE JOINT. EDWARD J. HUGHES, Bloomfield, N. J. Filed May 5, 1923. Serial No. 622,722. 1 Claim. (Cl. 285—140.)



A flange joint comprising: two members, each member consisting of a ductile iron pipe the end of which is rolled over into a narrow tapering lap, the end of each member having a square corner at its inner circumference and the lap having a thickness at its outer circumference less than that of the wall of the pipe, said laps being in engagement with each other; two collars, out of contact with each other, mounted loosely one on one and the other on the other pipe, each having a taper face engaging the taper on the lap; and bolts connecting the collars.

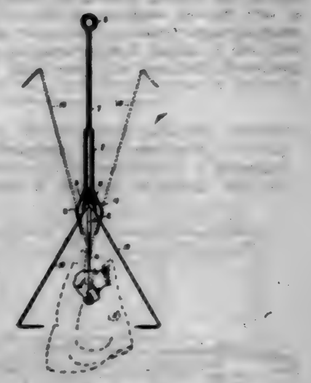
1,542,941. CONCENTRATING PAN. OYSTEIN JACOBSEN, Dayton, Ohio, assignor to The Duriron Company, Inc., a Corporation of New York. Filed Nov. 17, 1923. Serial No. 675,420. 3 Claims. (Cl. 23—274.)



1. A concentrating pan for use as one of a series comprising a hollow integral casting, substantially ellipsoidal in shape, with its major axis in horisontal position and with its top depressed at one end and provided with an inlet opening, and with its other end provided with an overflow tube leading downward from such other end with an opening through the top wall of the pan opposite the overflow tube, said overflow tube being adapted to fit in the depression in the next pan of the series.

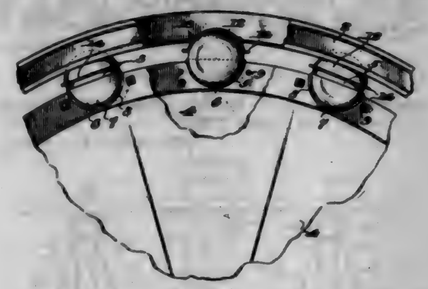
1,542,942. FISHHOOK. AXEL JACOBSON, Two Harbors, Minn. Filed Dec. 15, 1924. Serial No. 755,869. 2 Claims. (Cl. 43—89.)

2. A fish hook of the class described comprising a cylindrical body portion having spaced guiding wings extending downwardly from the lower end thereof, spaced hook engaging wings intermediate of the guide wings, a bait hook permanently attached to the lower end of the body portion extending downwardly intermediate of the guide wings and below same, a reciprocable line engaging shank carried axially within the body portion of the lower end being operable intermediate



of the guide wings, and gaff hooks pivotally attached to the lower extremity of the shank and operable within the guide wings.

1,542,943. VEHICLE WHEEL. WALTER S. JOSEPHSON, New York, N. Y., assignor to George Whitaker Morley and Robert Roy Armstrong, trustees, Toronto, Ontario, Canada. Filed Aug. 11, 1923. Serial No. 656,789. 9 Claims. (Cl. 152—36.)



1. A vehicle wheel including center and rim structures, complementary half-cups secured to the periphery of the center structure, and shock insulating means interposed between the half-cups and the rim.

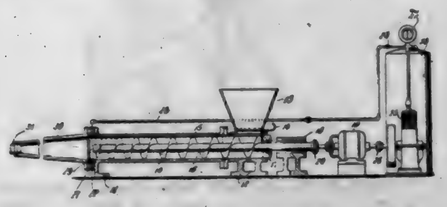
1,542,944. BOTTLE. UTAKICHI KAWASAKI, San Francisco, Calif. Filed Aug. 17, 1921. Serial No. 492,994. 1 Claim. (Cl. 229—5.5.)



A bottle comprising a body portion formed of pulp, paper or fibrous material, which body portion is open at one end and formed with an integral closing wall at

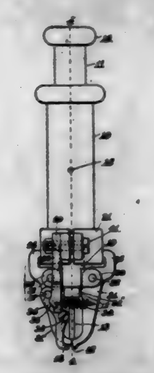
the other end, there being a line of weakness at the juncture of the closing wall and the body portion extending part way of the circumference of the body to provide for tearing, cutting or disrupting of the bottle at said line of weakness to form an opening, an upstanding finger piece on the outer side of the closing wall, and a sealing member adapted to be permanently mounted in the open end after filling of the bottle.

1,542,945. FLUENT PULVERIZED FUEL. ALONZO G. KINYON, Allentown, Pa., assignor to Fuller-Lehigh Company, a Corporation of Pennsylvania. Filed Nov. 28, 1920. Serial No. 426,016. 6 Claims. (Cl. 44—11.)



2. A fuel in a sluggishly fluent state consisting of an intimate mixture of finely divided coal and air at a pressure in excess of atmospheric, the air filling the interstices between the particles of coal and giving the fuel its fluent state.

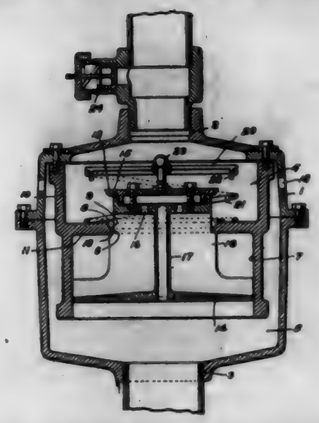
1,542,946. TACK-DRIVING DEVICE. OSCAR L. LAWSON, Lynn, Mass. Filed Sept. 14, 1923. Serial No. 662,771. 12 Claims. (Cl. 1—46.)



1. In a device of the class described, a casing; a reciprocating member therein; a driving member secured thereto; a collar through which said driving member is adapted to move; jaws pivotally mounted on said collar; means for feeding a tack between said jaws; means permitting said jaws to separate when the driving member is actuated; and means operable during the driving operation for curving the pointed end of the tack being driven.

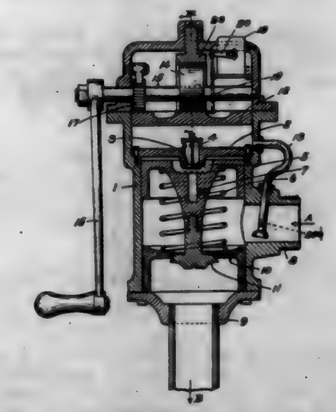
1,542,947. LIQUID-DISPENSING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa. Filed Nov. 16, 1923. Serial No. 675,127. 10 Claims. (Cl. 73—167.)

1. In liquid-dispensing apparatus the combination of a liquid container provided with an orifice, a valve arranged within the container opposite said orifice and reciprocable to and from a position of closure upon



said orifice, and yielding means constantly exerted upon said valve and tending constantly to sustain it at an interval above said orifice.

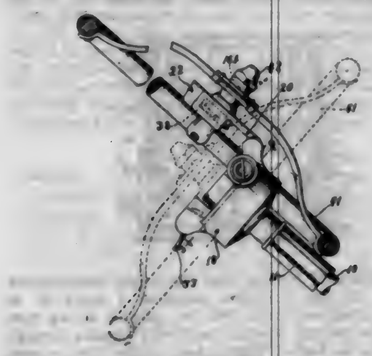
1,542,948. LIQUID-DISPENSING APPARATUS. GEORGE W. MACKENZIE, Beaver, Pa., assignor to Guarantee Liquid Measure Company, Rochester, Pa., a Corporation of Delaware. Filed Oct. 28, 1924. Serial No. 745,851. 6 Claims. (Cl. 221—108.)



1. In a liquid-dispensing apparatus the combination of a container provided with a discharge orifice, a valve controlling said orifice, a chamber provided with a delivery orifice, means for segregating from a larger volume and within said chamber a unit volume of liquid, means for expelling liquid from said chamber and through said delivery orifice, the means last named being operatively connected with the valve first named.

1,542,949. TILTING STEERING WHEEL. ELMER MICHAUD, Chicago, Ill. Filed Jan. 26, 1922. Serial No. 531,870. 13 Claims. (Cl. 74—33.)

1. In combination a housing, a cap hingedly connected to said housing, a two-part steering shaft, one part of said shaft being associated with said housing and the other part being journaled in said cap, a steering wheel mounted on said last-mentioned shaft part, and clutch



members mounted on the respective shaft parts which are adapted to be brought into operative interlocking engagement when the wheel is in normal position.

1,542,950. FUSE. ELMER L. OGLE, Chicago, Ill., assignor to Federal Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 2, 1921. Serial No. 497,888. 2 Claims. (Cl. 200—128.)

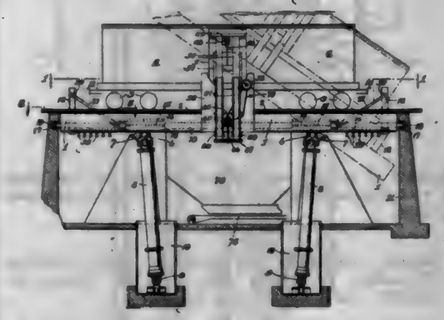


1. In an electric fuse, a cartridge containing a fusible element, said cartridge comprising a tubular body of insulating material, a closure for one end of said body through which said fusible element extends, a closure and fusible element support for the other end of said body comprising an inwardly tapered, internally threaded, metal plug, provided with an extension for the attachment of the fusible element, and a tubular cap with an apertured head adapted to be clamped upon said plug with the end of said tubular body gripped between, said plug having a boss adapted to extend through the aperture in the head of said cap, said plug having a longitudinal notch and said head being cut away in line with said notch, and the body of the cap extending into said notch so that the metal of the head is closely engaged with the boss on said plug.

1,542,951. CAR-DUMPING APPARATUS. AUGUSTUS T. PERKINS, Oak Park, Ill., assignor to Webster Mfg. Company, Chicago, Ill., a Corporation of Ohio. Filed Jan. 18, 1924. Serial No. 686,966. 47 Claims. (Cl. 214—47.)

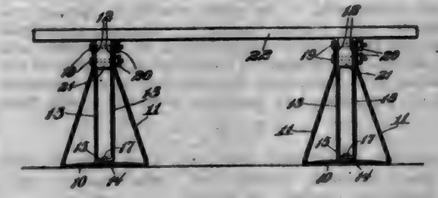
1. The method of dumping the load of materials from a car having side doors, comprising the pushing in of the doors at the opposite sides of the car, thereby releasing and discharging the middle portion of the load from the sides of the car, then tilting the car endwise about one axis to discharge one end portion of the load from the side, and thereafter tilting the car endwise in the opposite direction about another axis to laterally discharge the other end portion of the load, whereby the entire load is discharged in three separate stages or operations.

5. Apparatus for dumping cars, comprising a platform to support the car, means supported by said platform and operative for opening the side of the car, instrumentalities for tilting said platform first in one direction and then in the other, thereby to first raise one end of the car and then the other, deflecting means on said opening means for effecting the lateral discharge of the load, first from one end of the car and then from the other, at the middle of the car, by said tilting motion, whereby



a portion of the load is discharged by said opening of the car, while another portion of the load is discharged by the tilting of the car in one direction, and the final portion is discharged by the tilting of the car in the opposite direction, said means for opening the side of the car comprising a power operated ram, and said deflecting means being carried on one side of said ram, together with means for turning said ram over to bring said deflecting means into position to effect the discharge of the final portion of the load.

1,542,952. SUPPORT. ERNEST L. PLASS, Elmhurst, Ill. Filed June 17, 1924. Serial No. 720,628. 2 Claims. (Cl. 248—41.)

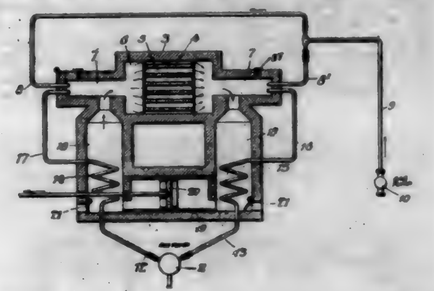


2. A support of the character described comprising a single strip of metal having its central portion bowed upwardly, the ends of the bowed portion being bent upwardly and inwardly above the bowed portion to form side members, the upper ends of the side members being vertically extended, the strip at the ends of said vertical portions being inverted and extended downwardly vertically for engagement with the base, the terminal portions of the inverted portions being provided with angular feet engaging the base and one another, and a securing element directed through the base and such angular feet.

1,542,953. METHOD OF HEATING. FRANZ PUENING, Chicago, Ill. Filed July 16, 1920. Serial No. 396,693. 20 Claims. (Cl. 263—1.)

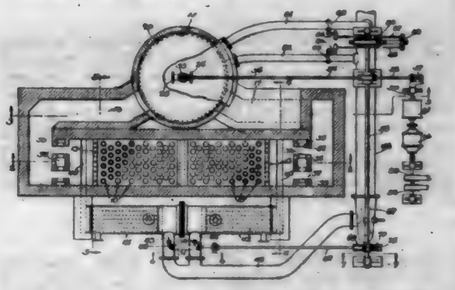
4. In a device of the class described, a heating chamber, a pair of combustion chambers communicating therewith, means for supplying air and fuel to each said com-

bustion chamber, a storage chamber communicating with each said combustion chamber, a cylinder, a piston therein, the capacity of the cylinder being less than the



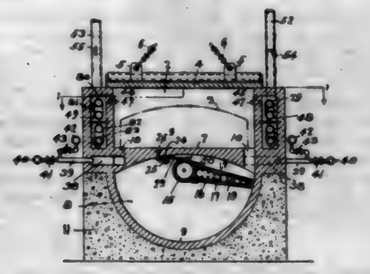
capacity of the storage chamber whereby the hot products of combustion are prevented from contact with said cylinder.

1,542,954. HEATING APPARATUS. FRANZ PUENING, Pittsburgh, Pa. Filed Dec. 11, 1922. Serial No. 606,037. 32 Claims. (Cl. 263—1.)



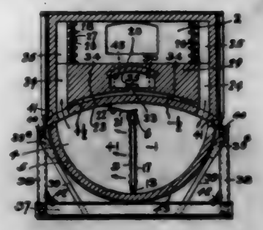
10. In a device of the class described a heating chamber, means for supplying heating gas to said chamber and withdrawing it therefrom alternately through the opposite ends thereof, means for supplying additional hot gas to the heating gas, flues at the respective ends of the heating chamber for withdrawing a portion of the heating gas substantially corresponding to the increment of hot gas, and a heat exchanger connected to said flues.

1,542,955. HEATING METHOD AND APPARATUS. FRANZ PUENING, Aspinwall, Pa. Filed Jan. 18, 1923. Serial No. 613,396. 27 Claims. (Cl. 263—1.)



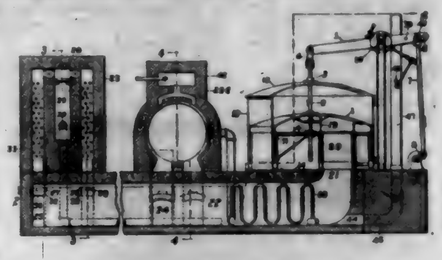
9. In a furnace, an enclosure to be heated, a gas-reciprocating piston mounted for oscillation below said enclosure, and a horizontal arch disposed above said piston and below said enclosure, said arch having ports to permit reciprocation of the heating gases.

1,542,956. HEATING METHOD AND APPARATUS. FRANZ PUENING, Aspinwall, Pa. Filed Jan. 31, 1923. Serial No. 616,133. 41 Claims. (Cl. 263—1.)



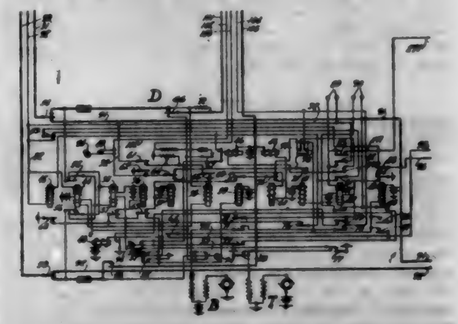
2. A method of heating that comprises reciprocating hot gases through a system including a space to be heated, dividing said gases into two streams during each reciprocation thereof, passing one of said streams through the space to be heated, adding heat to the other stream and mixing both streams together prior to the next reciprocation.

1,542,957. HEATING APPARATUS. FRANZ PUENING, Pittsburgh, Pa. Filed Jan. 23, 1924. Serial No. 688,017. 28 Claims. (Cl. 263—1.)



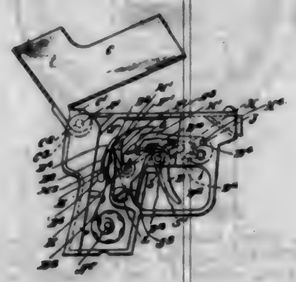
4. A device for transferring heat from a heat-source to a receiver of heat, comprising a piston sealed in liquid for pulsating heat-carrying gases back and forth between said heat source and said receiver.

1,542,958. AUTOMATIC TELEPHONE SYSTEM. ARTHUR J. RAY, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 21, 1921. Serial No. 438,985. 19 Claims. (Cl. 179—27.)



1. In a telephone system, main and branch exchanges, means including a switching selector repeater for connecting a calling branch subscriber with a called subscriber in either exchange, a rotary line switch permanently associated with said selector repeater, trunk lines to the main exchange accessible to said line switch, means for operating said line switch to select an idle trunk line whenever the said selector repeater is taken for use, means for giving the calling subscriber a busy signal in case all of said trunk lines are busy, and means for rendering said last mentioned means inoperative until the calling subscriber has called such digits as determine definitely that the call in order to be successful must be completed by way of one of said trunk lines.

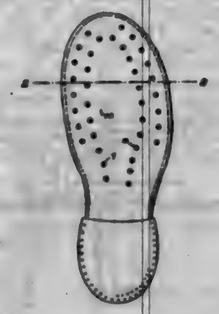
1,542,959. TOY PISTOL. ROBERT EDWIN REARDON, Columbia, Pa., assignor to Victory Sparkler & Specialty Company, Elkton, Md., a Corporation of Delaware. Filed July 2, 1923. Serial No. 648,926. 10 Claims. (Cl. 42—57.)



1. In a toy firearm, an anvil, a hammer, a trigger, and single spring means for holding the hammer normally retracted from the anvil, returning the trigger to normal position, and applying striking force to the hammer.

8. In a toy pistol having a casing comprised of three parts, means for assembling same consisting of one interiorly located, normally hidden assembly screw.

1,542,960. CALK. ALFRED C. REDDEN, Seattle, Wash. Filed Jan. 19, 1920. Serial No. 352,436. 1 Claim. (Cl. 36—67.)



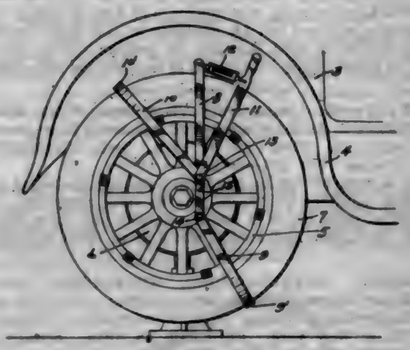
A shoe embodying an oil soaked middle sole, an outer sole having holes punched therein, and a one piece calk disposed in said holes, said calk having a shank with parallel sides, said holes being of a size as compared to the size of said shank as to not distort and put the surrounding leather under compression, and a head relatively much wider than the diameter of its shank, said head being disposed between said outer sole and said middle sole.

1,542,961. HAMMER MECHANISM USED IN DRIVING SHEATHING. RAY J. REIGHLOTH, New Haven, and WILLIAM POWELL, Hamden, Connecticut. Filed Nov. 8, 1924. Serial No. 748,757. 6 Claims. (Cl. 61—73.)



1. A hammer for driving sheathing, and means thereon for guiding its movement by engagement solely with adjacent sheathing.

1,542,962. AUTO BRAKE-TESTING DEVICE. JOHN J. RODEN and PAUL W. QUINN, Minneapolis, and DAVID C. RODEN, St. Paul, Minn. Filed Mar. 5, 1924. Serial No. 697,067. 5 Claims. (Cl. 265—1.)



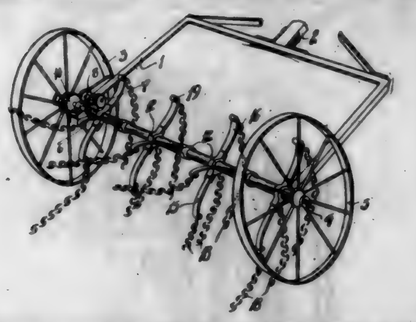
1. A brake-testing device comprising a plurality of pivotally connected members, certain of which have grapple-acting ends engageable with the exterior of a wheel tire and arranged to be drawn onto the tire by movement of one of the other of said members, and a scale applied to the latter noted member and to another of said other members and arranged to indicate the force exerted to rotate the wheel to which the device is applied

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1,542,963. CULTIVATOR. WILLIAM K. RUSSELL, Sharon, Wash. Filed Jan. 27, 1925. Serial No. 5,001. 3 Claims. (Cl. 97—40.)

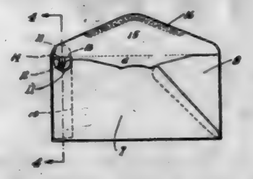
1. The combination in an implement as described with a frame, axle and a traction wheel rotatable with the

axle, of a tubular shaft on said axle and power transmission connections between said axle and shaft, a series



of arms carried by said shaft, and flexible beaters carried at the ends of said arms.

1,542,964. ENVELOPE. FRANK A. RYDER, Chicago, Ill. Filed Nov. 13, 1922. Serial No. 600,560. 4 Claims. (Cl. 229—76.

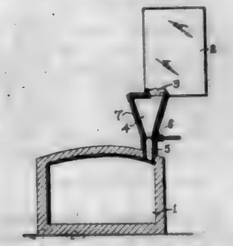


1. An envelope provided with a front and having a back portion and an end portion extending from said front, a notch cut in the edge of one of said portions to provide a holding tongue, and a lip on the other of said portions overlapping said tongue and having means for fastening it down and for engaging in said notch behind said tongue to hold said end in position during filling but to permit ready withdrawal of said end for inspection.

1,542,965. INDELIBLE TRANSFER COMPOUND. HELENA S. SADTLER, Springfield Township, Montgomery County, Pa. Filed July 14, 1923. Serial No. 651,622. 4 Claims. (Cl. 134—36.)

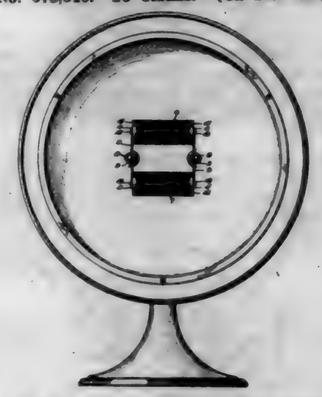
4. A transfer ink in powdered form for producing indelible markings on fabrics or the like, comprising an artificial resin which is non-saponifiable and fuses about 100° centigrade and an ink which is in itself indelible.

1,542,966. METALLURGICAL APPARATUS. JOHN MOORE SAMUEL, Douglas, Ariz., assignor of fifty-five one hundredths to Phelps Dodge Corporation, a Corporation of New York. Filed Jan. 28, 1919. Serial No. 273,559. 1 Claim. (Cl. 266—10.)



An apparatus of the kind described, comprising an ore-roasting furnace provided with an outlet, a smelting furnace provided with an inlet, a heat-insulated transfer conduit operative betwen the outlet of the roasting furnace and the inlet of the smelting furnace and having air-tight connection therewith, respectively, and means for closing communication between the two furnaces through the conduit.

1,542,967. ELECTRIC HEATER. MILTON H. SHORNBERG, San Francisco, Calif. Filed Nov. 19, 1923. Serial No. 675,540. 16 Claims. (Cl. 219—34.)

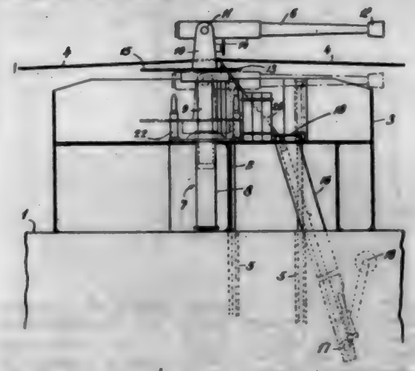


1. In an electric heater, a pair of bifurcated supports, and a pair of heating coils supported by said supports, each coil being carried by the two supports.

1,542,968. MANUFACTURE OF IRON OXIDE. RICHARD O. SNELLENBERGER, Chicago, Ill., assignor to Iron Oxide Products, Inc., Cicero, Ill., a Corporation of Illinois. Filed June 28, 1922. Serial No. 571,566. 3 Claims. (Cl. 23—200.)

1. That improvement in the manufacture of iron oxide which consists in exposing to air comminuted iron treated with an oxidation-accelerating chemical reagent, agitating the material to expose it to the air, and periodically reducing its temperature, until oxidation has been substantially completed.

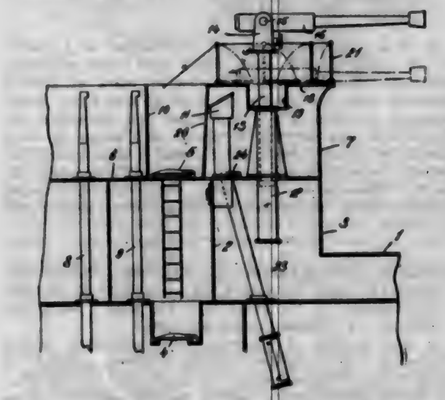
1,542,969. GUN MOUNTING FOR SUBMARINES. LAWRENCE Y. SPEAR, New London, Conn., assignor to Electric Boat Company, New York, N. Y., a Corporation of New Jersey. Filed June 4, 1923. Serial No. 643,161. 15 Claims. (Cl. 89—38.)



1. The gun mounting for submarines, comprising the combination with the conning tower of a submarine, of an exposed gun supported by the conning tower above the deck of the submarine, said gun having means associated therewith for neutralizing substantially all of the recoil action due to firing a projectile from the gun, whereby the conning tower is not subjected to the greater part of the force of reaction of the gun.

11. The gun mounting for submarines, comprising the combination with the conning tower of a submarine, of a gun associated with and arranged above the conning tower, means for raising and lowering said gun, a platform associated with said gun, and a spray shield extending well above the conning tower to form a fair-water for the gun when it is in its lowered position, and to form a shelter for said platform.

1,542,970. GUN MOUNTING FOR SUBMARINES. LAWRENCE YORK SPEAR, Groton, Conn., assignor to Electric Boat Company, Groton, Conn., a Corporation of New Jersey. Filed July 28, 1924. Serial No. 728,644. 16 Claims. (Cl. 89—37.)



1. The gun mounting for submarines, comprising the combination with the bridge of a submarine, of a gun supported by the bridge, a platform above said bridge, and means for hoisting the gun above the platform.

1,542,971. PROCESS OF PRODUCING ALKALI-METAL CARBONATES. FREDERICK W. SPEAR, Jr., and DAVID L. JACOBSON, Pittsburgh, Pa., assignors to The Koppers Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Apr. 18, 1921, Serial No. 462,309. Renewed Aug. 22, 1924. 6 Claims. (Cl. 23—63.)

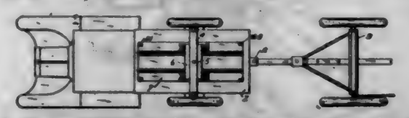
4. The process of producing alkali-metal carbonates which consists in mixing an alkali thiosulphate with carbonaceous material and limestone, subjecting the admixture to heating to convert the thiosulphate to carbonate, and separating the alkali-metal carbonate from the residual carbonaceous material; substantially as specified.

1,542,972. BASCULE BRIDGE. JOSEPH B. STRAUSS, Chicago, Ill. Filed Dec. 20, 1920. Serial No. 431,850. 10 Claims. (Cl. 14—41.)



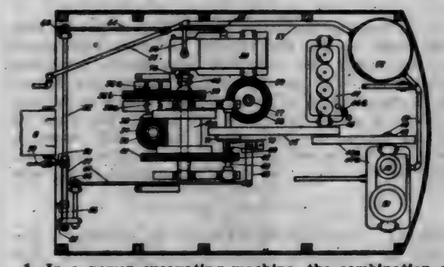
1. In a bascule bridge, comprising two sections or leaves, a lock adapted to lock the leaves together where they meet at the center, said lock comprising a pivoted locking projecting part on one leaf a pivot fixed against lateral movement which connects said locking projection to one leaf and a recessed part on the other leaf, mechanism independent of the leaf for moving them into engagement, the parts when engaged holding the leaf against both horizontal and lateral movement.

1,542,973. TRAVELING ROTATIVE BOLSTER. LEE EVERETT UTTER, Nashotah, Wis., assignor to The Trailer Truck Company, Nashotah, Wis., a Copartnership Firm. Filed Feb. 7, 1920. Serial No. 356,955. 12 Claims. (Cl. 280—33.4.)



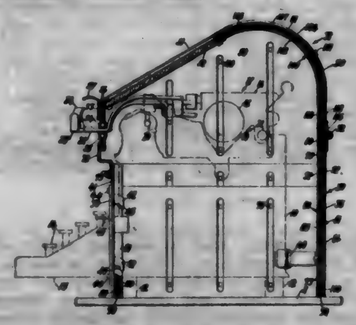
1. The combination with a truck and trailer, of a bed plate mounted upon the truck, a carriage normally freely movable thereon longitudinally of the truck, means for retaining the carriage upon the bed plate, and a pivotally mounted bolster supported by said carriage.

1,542,974. POWER EXCAVATING MACHINE AND METHOD OF ACTUATING THE SAME. ARTHUR C. VICARY, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Feb. 23, 1923. Serial No. 620,727. 34 Claims. (Cl. 214—135.)



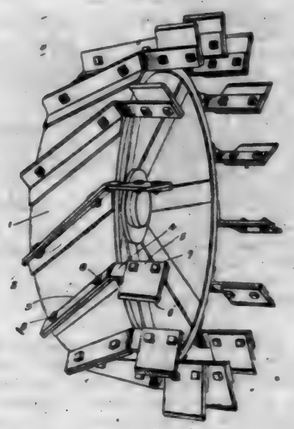
1. In a power excavating machine, the combination of a rotating platform, a direct driven rotative hoisting mechanism comprising a non-fluid pressure actuated motor, and an indirectly driven turning mechanism comprising a compressor and a fluid pressure actuated rotatively acting turning engine receiving its fluid from the compressor.

1,542,975. TYPEWRITING MACHINE. JOHN WALDHEIM, Elisabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Feb. 1, 1923. Serial No. 616,275. 18 Claims. (Cl. 197—186.)



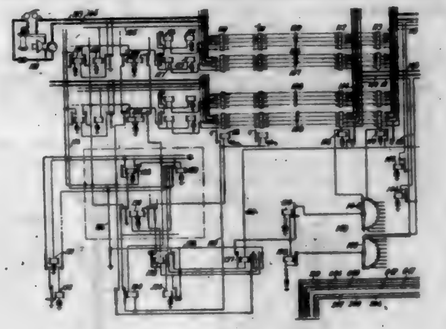
1. A sound-deadening casing for a typewriting machine comprising hollow walls, each being formed with a series of discrete cells closed at their ends, each cell constituting a sound-deadening air chamber.

1,542,976. MUD HOOK. RAY A. WELLS, Lucerne, Mo. Filed Feb. 24, 1925. Serial No. 11,016. 2 Claims. (Cl. 301—44.)



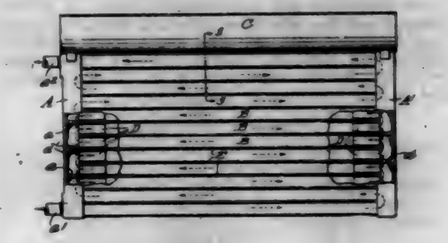
2. In combination with a tractor wheel having diagonal cleats on the rim thereof, mud-hook attachments for said cleats, the mud-hook attachments comprising bars having body portions adapted to lie flat against the cleats, provided with extensions at angles to the body portions in planes parallel to the axis of the wheel extending beyond the side of the wheel, and removable teeth on the extensions of greater lengths than the width of the cleats and the body portions of the bars.

1,542,977. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Brooklyn, and EDWARD E. HINRICHSEN, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,421. 11 Claims. (Cl. 179—18.)



1. The combination with a selective switch of a group of lines appearing in said switch, means for extending a connection to said switch, means for operating said switch to select said group of lines, means responsive to the operation of said switch for releasing the same without releasing the extended connection, means for testing said lines to determine an idle one, and means for thereupon reoperating said switch to extend the connection to the determined idle line.

1,542,978. HEAT EXCHANGER. KIRK K. WRIGHT, Buffalo, N. Y., assignor to R. G. Wright & Co., Buffalo, N. Y. Filed Nov. 17, 1922. Serial No. 601,601. 3 Claims. (Cl. 257—183.)

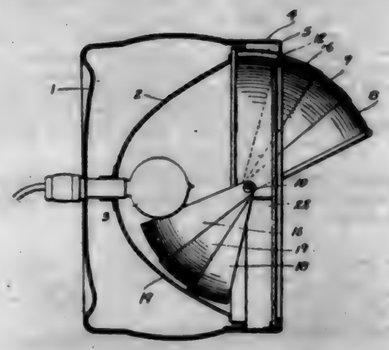


2. In a heat exchanger, the combination of a plurality of tubes, headers with which said tubes communicate and provided with a series of holes of smaller diameter than the outside diameter of said tubes, insert members arranged within said tubes and extending into said holes and serving to space said tubes in close proximity to each other and forming a rigid connection between said headers and said tubes, and a bonding connection between adjacent tubes which fills the spaces between tubes and forms a connection between tubes.

1,542,979. ESTIMATION OF CARBON MONOXIDE. WILLIAM YANT, Pittsburgh, Pa., and ROYD R. SAYERS, Washington, D. C. Filed Nov. 19, 1923. Serial No. 675,771. 11 Claims. (Cl. 23—230.)

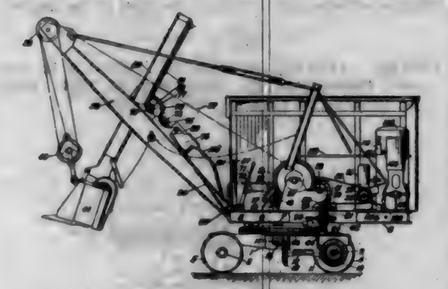
1. The method of quantitatively estimating carbon monoxide, that comprises treating a known quantity of blood with a reagent capable of destroying the red color of oxyhemoglobin, while leaving the red color of carbon monoxide-hemoglobin, and comparing the resulting color with a standard colorimetric scale prepared in colors corresponding to definite quantities of carbon monoxide-hemoglobin in the said quantity of blood.

1,542,980. HEADLIGHT LAMP. JOHN E. YINGLING, Topeka, Kans. Filed Mar. 10, 1924. Serial No. 698,082. 5 Claims. (Cl. 240—45.2.)



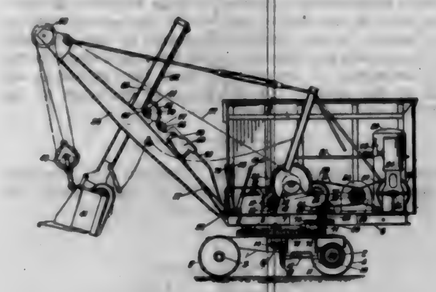
1. A head light lamp comprising a casing, a reflector and a light source, in combination with a movable hood consisting of a plurality of hinged segments at the upper portion of the lamp and a movable reflector covering means consisting of a plurality of hinged segments at the lower part of the reflector.

1,542,981. POWER EXCAVATING MACHINE AND METHOD OF ACTUATING THE SAME. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Feb. 26, 1923. Serial No. 621,836. 42 Claims. (Cl. 214—135.)



1. In a machine, the combination of a plurality of instrumentalities having intermittent and successive operation; a primary motor operating directly on one of said instrumentalities; a secondary motor operating on the second of said instrumentalities; an energy storing means supplied from the primary motor and supplying energy to the secondary motor; and devices for relieving the primary motor from the effort of delivering energy to the energy storing means during a peak load on the instrumentality actuated directly from the primary motor.

1,542,982. POWER EXCAVATING MACHINE AND METHOD OF ACTUATING THE SAME. EDWIN J. ARMSTRONG, Erie, Pa., assignor, by direct and mesne assignments, to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed Feb. 26, 1923. Serial No. 621,837. 30 Claims. (Cl. 214—135.)



1. In a machine, the combination of a plurality of instrumentalities having intermittent and successive operation; a primary electric motor operating directly on one of said instrumentalities; a secondary motor operating on the second of said instrumentalities; and an energy storing means supplied from the primary motor and supplying energy to the secondary motor.

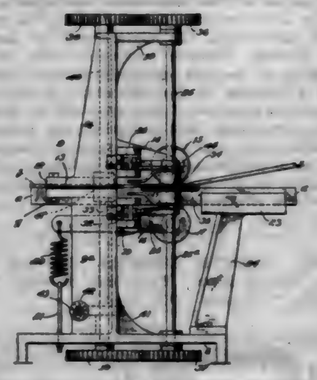
1,542,983. DRAWN ARTICLE AND METHOD FOR MAKING THE SAME. CARL BERGMANN, Jr., West Hoboken, N. J., assignor of one-half to Gustave R. Thompson, New York, N. Y. Filed May 18, 1920. Serial No. 382,872. 9 Claims. (Cl. 153—32.)

3. A cold drawn, bent, seamless, tubular article of metal of the character described, tapered from one side of said bend to the other, said article having a ball-like tubular boss or enlargement thereon.



5. A method of forming seamless, tapered, bent, drawn articles of metal of the character described, comprising bending a tube of substantially uniform diameter, and successively expanding said bent tube against tapered dies of increasing size.

1,542,984. WELDING MACHINE. GEORGE J. BLUM, Chicago, Ill., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 30, 1921. Serial No. 525,926. 16 Claims. (Cl. 219—4.)

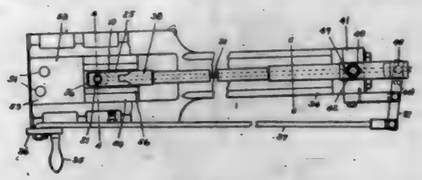


1. An electric welding machine having two pairs of parallel shafts each carrying an electrically energized disk, the axes of the corresponding disks of each pair being in alinement and the disks of each pair being spaced a short distance apart, means for guiding two members to be joined between said disks in edge to edge relation with the joint between the members disposed in a plane lying in the space between the pairs of disks, and means for exerting pressure upon said members to force their abutting edges into intimate contact as they pass between said disks, the disks of the respective pairs being of opposite polarity so as to effect the passage of current from opposite sides of one of said members through their abutting edges and then out from the opposite sides of the other member.

1,542,985. EYELET-INSERTING TOOL. JOHN H. BRADNACK, New Haven, Conn., assignor to The Tubular Products Company, Southington, Conn., a Corporation. Filed Oct. 10, 1923. Serial No. 667,655. 4 Claims. (Cl. 218—1.)

4. In combination in mechanism for inserting eyelet rivets as a lining for the border wall of openings in the peripheral wall of tubing, a spreader having a neck for being entered into the opening from within the tubing, a holder incorporated in the structure of said spread-

er, a positioning bar operatively connected to one end of said spreader and holder and extending longitudinally outward from said end, the other end of said spreader

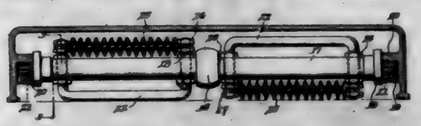


and holder being free for limited transverse movement, a wedge for cooperating with said free end, and an operating-rod connected to said wedge and extended in parallelism with said bar.

1,542,986. PROCESS FOR THE MANUFACTURE OF NITROGENIC AND PHOSPHATIC COMBINATIONS. JOSEPH BRESLAUER and GEORGES DARIER, Geneva, Switzerland, assignors to Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Filed Sept. 18, 1920. Serial No. 411,074. 9 Claims. (Cl. 71—9.)

1. A process for converting raw cyanamid into fertilizers consisting in introducing raw cyanamid in small quantities at a time into water, maintaining the temperature of the mixture between 30 and 40 degrees centigrade, maintaining the mixture acid by gaseous acids which produce insoluble compounds with the metallic impurities in the raw cyanamid whereby there is obtained a solution of free cyanamid, producing a very concentrated solution of free cyanamid by repetition of the preceding steps, then converting the solution of free cyanamid into a urea product by an acid agent, then introducing insoluble phosphates and thereby utilizing the acid agents for the conversion of the insoluble phosphates into soluble phosphates.

1,542,987. VACUUM CLEANER. BENNETT L. CALLAHAN, Abilene, Kans. Filed Mar. 3, 1923. Serial No. 622,542. 7 Claims. (Cl. 15—8.)



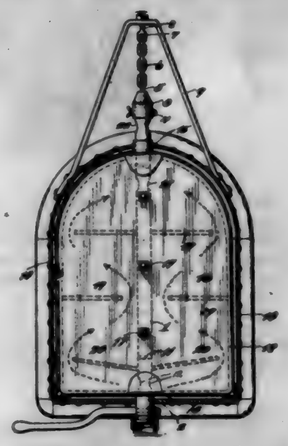
1. A cleaner of the class described comprising a nozzle, a shaft journalled in said nozzle, a beater having a portion extending substantially parallel to said shaft and a portion projecting beyond the opposite side of the shaft, and a sweeper secured to the projected portion of the beater.

1,542,988. HEADLIGHT REFLECTOR. WILLIAM P. CARSTARPHEN, Denver, Colo., assignor, by direct and mesne assignments, to Nite-Eye Light Corporation, Denver, Colo., a Corporation of Colorado. Filed Oct. 9, 1923. Serial No. 667,497. 1 Claim. (Cl. 240—41.)



An illuminating device for automobiles comprising, in combination, two lamps adapted to be applied in spaced relation to the forward end of an automobile, said lamps each comprising an integral reflector divided vertically into two substantially parabolic surfaces placed side by side, each of which has an axis which crosses the axis of the other surface at the focal point, the axes of the adjacent reflector surfaces of each lamp being substantially parallel, while the axes of the outside reflector surfaces are outwardly inclined to the right and left respectively, whereby the roadway lying in front of the lamps will receive light from the reflector surfaces having the parallel axes and the light reflected from the outer reflector surfaces will illuminate the sides of the roadway.

1,542,989. AIR-COOLED DAMPER. WILLIAM M. CONNERY, Philadelphia, Pa. Filed May 22, 1924. Serial No. 715,139. 17 Claims. (Cl. 126—285.)



1. An air cooled damper comprising a hollow damper construction with a hollow spindle extending through and fastened to the damper, whereby the damper may be moved to closed and various open positions, the spindle having diametrically opposite openings adjacent the opposite ends of the damper but within the interior thereof, the damper having circuitous passages on opposite sides of the spindle and communicating with said openings for the conduction of a cooling air from the exterior at one end of the spindle and permitted to discharge at the opposite end of the spindle.

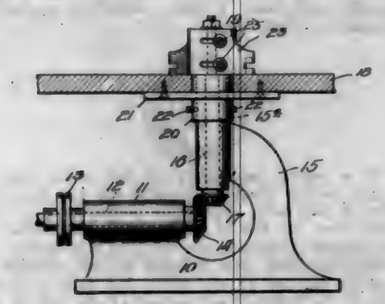
1,542,990. TAPE HOLDER. ATTILIO DI TOMASSO, East Boston, Mass. Filed Nov. 22, 1923. Serial No. 676,277. 3 Claims. (Cl. 33—137.)



1. A device of the class described comprising a body portion, a retaining lug depending from the lower side thereof, and a pair of oppositely disposed converging elements projecting above the plane of the upper surface of the body portion and constructed and arranged removably to grip the end ring of a measuring tape between them.

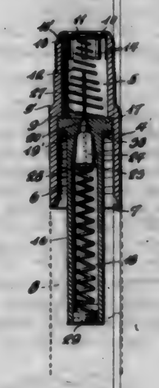
1,542,991. PORTABLE WOODWORKING MACHINE. FRED DOSENBUSCH, Ottawa, Ill. Filed Aug. 20, 1923. Serial No. 658,224. 1 Claim. (Cl. 144—134.)

In a light portable wood-working machine, the combination of a base having an upwardly extending arm provided with a horizontal bearing, and a vertical arm provided with a vertical bearing, all formed integrally with the base, a driving shaft mounted in the horizontal bearing, a driven shaft mounted in the vertical bearing, an adjustable collar mounted on the vertical bearing and



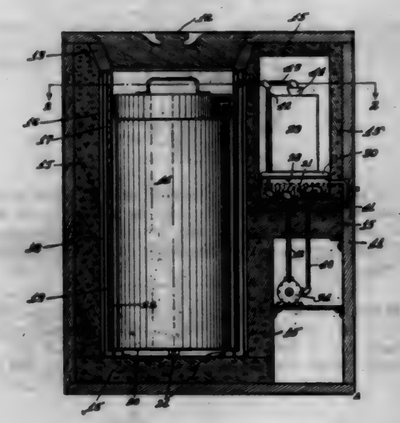
provided with a horizontal plate adapted to be secured to a bench or support, a blade-head non-rotatably mounted on the upper end of the driven shaft, cutting blades mounted on said head and means for adjusting said blades substantially as and for the purpose set forth.

1,542,992. VALVE. LINCOLN S. DOWNS, East Cleveland, Ohio. Filed Sept. 7, 1923. Serial No. 661,496. 2 Claims. (Cl. 152—12.)



1. A valve carrying cap for a standard valve stem, comprising a body portion having a central bore, an annular shoulder formed in said bore at a point substantially midway the length of said body, a closure at one end of said bore, said bore being threaded from its open end to said shoulder, a stem, an enlarged disc-shaped threaded head carried by said stem and arranged in the threaded bore in abutment with said shoulder, said head and stem having a central bore, a pair of spaced seats arranged in the bore of the head and stem, a yieldable plug arranged in the bore of the head and stem and having a pair of spaced portions adapted for contact with said seats, a coil expansion spring arranged in the bore to normally seat the plug, and means whereby the spring tension may be varied.

1,542,993. REFRIGERATING DEVICE AND CONTAINER. JOHN E. DUNCAN, Moundsville, W. Va., assignor, by mesne assignments, to A-B-C Transit Refrigeration Company, Helena, Mont., a Corporation of Delaware. Filed Nov. 13, 1922. Serial No. 600,758. 1 Claim. (Cl. 62—101.)



A refrigerating apparatus comprising a casing having a partition extending from the top to the bottom thereof, a storage receptacle on one side of said partition, a passage for brine around said storage receptacle, a second partition on the opposite side of the partition from the storage receptacle, said partition extending from the intermediate portion of said first mentioned partition to the side wall of the casing and forming upper and lower compartments, said upper compartment having a reservoir therein with means for producing a brine and maintaining the same at a predetermined liquid level, said lower compartment having a pump therein, said storage receptacle, brine reservoir and pump being connected to form a circulatory system whereby the lower stratum of briny solution will gravitate from the brine chamber into the pump and be forced through the circulatory system and returned to the brine chamber, substantially as set forth.

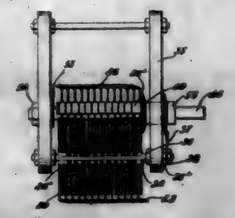
1,542,994. METHOD AND APPARATUS FOR TESTING TELEPHONE RECEIVERS. VERNON DURBIN, Newton, Mass., assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass., a Corporation of Massachusetts. Filed Jan. 10, 1923. Serial No. 611,893. 13 Claims. (Cl. 179—175.)



2. The method of testing a telephone receiver which consists in impressing musical notes of different frequencies and the same amount of sound energy upon the receiver diaphragm and measuring the electrical output of the receiver at each frequency.

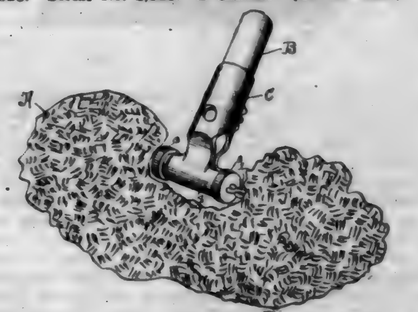
4. The method of testing the magnetic characteristics of a telephone receiver without a diaphragm or cap which consists in causing a regular and periodical variation in magnetic flux through the windings of the receiver, and measuring the voltage generated in the windings.

1,542,995. CONDENSER. MELVILLE EASTHAM, Cambridge, Mass., assignor to General Radio Company, Cambridge, Mass., a Corporation of Massachusetts. Filed Oct. 11, 1923. Serial No. 667,867. 17 Claims. (Cl. 250—41.)



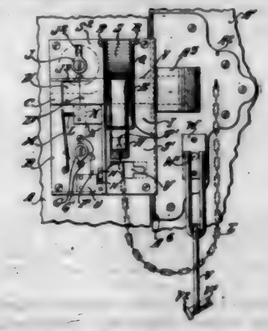
1. A stator plate for an electrical air condenser having peripheral lugs angularly related to the plane of said plate and arranged to partially overlap correspondingly-positioned lugs on one of the stator plates next adjacent thereto.

1,542,996. DUST MOP. HERBERT H. ERICKSON, Chicago, Ill., assignor to Weil-Ransom Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 9, 1925. Serial No. 1,340. 2 Claims. (Cl. 15—229.)



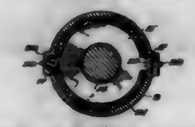
1. A dust mop comprising a head consisting of a rectangular frame, a cylindric bearing member mounted on said frame and having its ends beveled, and a handle connecting member comprising a sleeve surrounding said bearing member and having tapered ends engaging the beveled ends of said bearing member.

1,542,997. LOCK. MORRIS S. FINKELSTEIN, New York, N. Y. Filed Feb. 28, 1922. Serial No. 539,868. 3 Claims. (Cl. 70—14.)



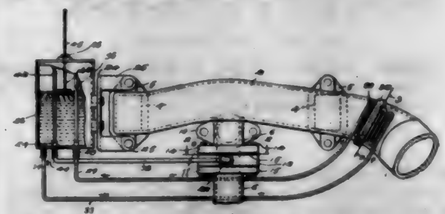
3. A lock comprising a frame having a main bolt adapted to be operated by a key, a brace bar adapted to be carried into locked position by said main bolt, said brace bar cooperating with a groove having an inclined portion leading therefrom, a chain attached to said brace bar and to the frame of the door whereby when the door is opened, the brace bar rides out of said groove on the inclined portion thereof and is pulled aside by said chain.

1,542,998. JOURNAL BOX. JAMES R. FLEMING, Scranton, Pa. Filed Nov. 6, 1922. Serial No. 599,242. 2 Claims. (Cl. 308—180.)



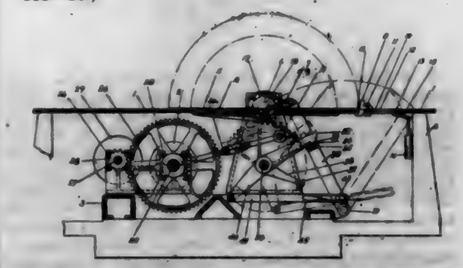
1. In a journal box having an open ended body an enlarged annular pocket formed on one end thereof, a bearing in said body, a centrally perforated wear plate disposed over the end of said body in said pocket, opposed recesses formed in the walls of said pocket, and extensions on said plate engaged in said recesses for preventing rotation of said plate, and plate anchoring means in the walls of said pocket at one side of said plate.

1,542,999. HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES. ORVILLE Z. FRASIER, Grand Rapids, Mich. Filed July 7, 1922. Serial No. 573,450. 1 Claim. (Cl. 123—25.)



The combination with an internal combustion engine and a water tank supported adjacent the exhaust manifold thereof, a conduit including two substantially parallel legs communicating with the water tank and an intermediate portion formed with a series of communicating U-shaped parts, all of which and the adjacent ends of the parallel legs being curved longitudinally to embrace the exhaust manifold, a clamp encircling the exhaust manifold and engaging the intermediate portion, and a steam conducting pipe leading from the water tank to the intake manifold of the engine.

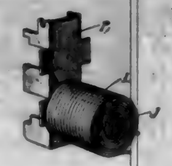
1,543,000. FOLDING APPARATUS FOR METALLIC SHEETS. THOR GANNESTAD, Pittsburgh, Pa. Filed Aug. 12, 1922. Serial No. 581,474. 6 Claims. (Cl. 153—16.)



1. In folding apparatus for metallic sheets the combination of a rotatable platen with means for swinging the same through an arcuate path, stop means mounted to yield in a vertical direction against which a sheet

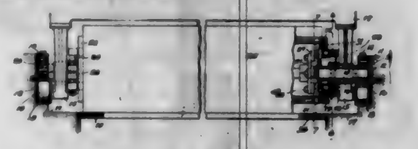
abuts when in position for folding, a member arranged to clamp a sheet along the line on which it is to be folded, and means arranged to swing said clamping member out of the path of movement of the platen during folding movement thereof.

1,543,001. MAGNETIC CORE. EDWIN G. GAYNOR, Stratford, Conn. Filed Sept. 5, 1923. Serial No. 661,020. 8 Claims. (Cl. 175—21.)



4. A core of the type described which comprises, a strip of magnetically permeable metal folded back and forth lengthwise of the core to form a series of superposed lengthwise folds and pressed together to form a compact core, said core having a substantially cylindrical shape and having channels extending lengthwise of the core within and at the outer surface of the bent portions of said folds.

1,543,002. CLEANING APPARATUS. EUGEN GRIGEM, Karlsruhe, Germany, assignor to William D'Olier, New York, N. Y. Filed Aug. 18, 1921, Serial No. 493,435. Renewed Jan. 29, 1924. 8 Claims. (Cl. 15—21.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



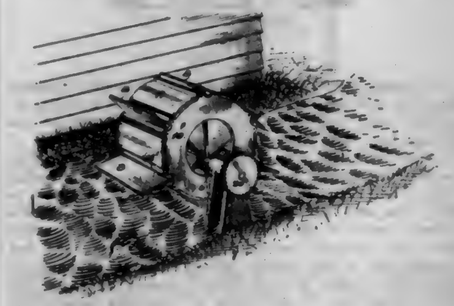
1. A cleaning apparatus including a driving shaft, a cylindrical brush surrounding said shaft and a plurality of non-flexible links each pivotally connected at one end to said shaft and at the other end to said brush, each of said links being movable about its pivots in a plane at right-angles to the axis of said shaft.

1,543,003. NONSKID FABRIC SHOE. JULES C. GINDRAUX, Spokane, Wash. Filed Oct. 17, 1923. Serial No. 669,051. 3 Claims. (Cl. 152—17.)



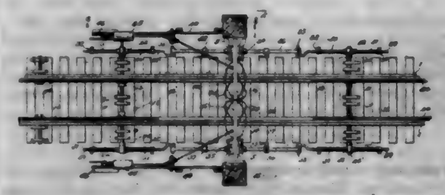
1. A non-skid fabric shoe for automobile tires, comprising a canvas strip manufactured to fit the outer contour of an automobile tire, one end of each strip having a flap adapted for engaging the inner surface of the other end of the strip, means comprising cables connected with such flap and joined to the opposite end of the strip for fastening such flap on the inner side of said opposite end, a cable stitched to position along each of the longitudinal edges of said strip, means for securing the ends of the cables together and a fabric tread stitched to the outer surface of said strip.

1,543,004. WATER WHEEL. ELMER JOB GOODDING, Camanche, Calif. Filed Mar. 1, 1924. Serial No. 696,230. 1 Claim. (Cl. 170—98.)



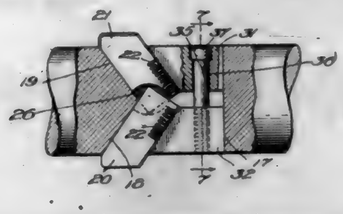
A water wheel assembly comprising a pair of spaced apart standards of unequal height adapted to be rigidly anchored in a flowing stream, horizontal bearings at the upper ends of said standards, a cylindrical drum mounted between said standards, said drum having one end wall closed, a stub shaft rigidly associated with said wall and rotatably mounted in the bearing of the longer standard, the opposite end wall of said drum having a relatively large central opening, a second shaft rotatably mounted in the shorter of said standards, and extending through said open end wall into said drum, the peripheral wall of said drum provided with transverse slots, a plurality of blades connected to said last named shaft extending radially therefrom and adapted for passage through said slots, the axes of the two shafts being offset in parallel relation, whereby the blades are reciprocated through the periphery of the drum by the rotation thereof.

1,543,005. MINE DOOR. FREDERICK A. GUTH, Columbus, Ohio. Filed Mar. 17, 1922. Serial No. 544,600. 4 Claims. (Cl. 246—292.)



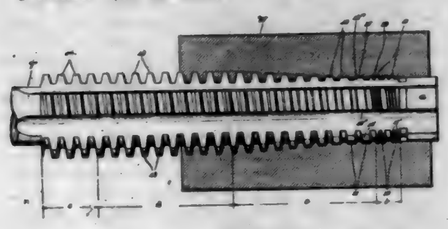
1. In an automatic mine door, a hingedly supported door section, tripping mechanism located on opposite sides of the door and including a pair of movable bars arranged to be actuated by the passage of rolling stock thereover, resilient connections between the bars and said door section operable to swing the door section in a direction governed by the line of travel of the rolling stock, and a resilient hinged mounting for the door section constructed to admit of swinging movement of the door section without necessarily moving the tripping bars.

1,543,006. BORING BAR AND THE LIKE. ARTHUR V. HANNIPIN, Chicago, Ill. Filed Apr. 28, 1923. Serial No. 633,911. 1 Claim. (Cl. 77—56.)



A boring bar having a transversely extending through slot, one end face of said slot extending in a radial direction with respect to the axis of rotation of the boring bar, the other end face of the slot being of V-shape with the two arms of the V lying at equal angles with respect to the axis of rotation of the boring bar, a pair of companion clamping blocks adapted to seat into said slot for the purpose of clamping tools therein, each of said clamping blocks having a width less than one-half the diameter of the boring bar and having two of its opposite faces lying at an angle to each other equal to the angle between the two end walls of the slot of the boring bar, suitable tools in the slot between one end wall and the clamping blocks aforesaid, said tools having parallel edges, and means for drawing the clamping blocks towards each other to clamp the tools in place within the boring bar comprising a single tension screw reaching between the clamping blocks, substantially as described.

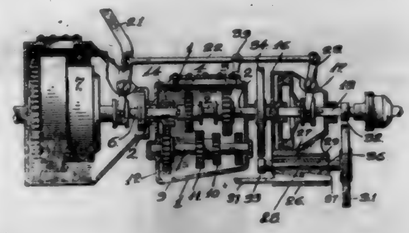
1,543,007. TAP. BENGT M. W. HANSON, Hartford, Conn. Filed Nov. 27, 1922. Serial No. 603,441. 8 Claims. (Cl. 10—141.)



5. A tap having a portion provided with teeth increasing in height and having their cutting edges interrupted by a spiral groove, and a second portion provided with uninterrupted teeth gradually increasing in height beginning with a tooth of less height than the last interrupted tooth, and arranged to successively remove the rib formed by said interrupted teeth.

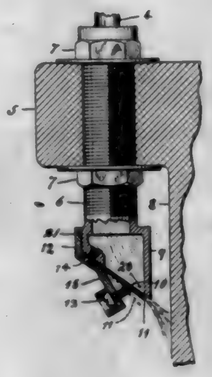
1,543,008. MOTOR-VEHICLE DRIVING MECHANISM. HARRY A. HANSON and VICTOR F. ZOHODIAKIN, Oakland, Calif. Filed July 3, 1924. Serial No. 724,114. 4 Claims. (Cl. 74—58.)

4. The combination with a motor vehicle and the transmission and clutch thereof, of a second clutch interposed between the said transmission and the propeller shaft of said vehicle whereby rotation of the variable speed gears of said transmission may be prevented when either vehicle or motor thereof is in operation; frictional speed reducing means arranged to connect the variable speed gears with the propeller shaft of the vehicle whereby said variable speed gears may be rotated slowly when the vehicle is in motion; and means for first simultaneously actuating both clutches to disconnect the variable speed gears from the motor and vehicle to prevent rapid rotation of said gears, and then



actuating the frictional speed reducing means whereby said variable speed gears may be rotated slowly to facilitate shifting of said gears.

1,543,009. SPREADER FOR URINAL STALLS. EDWARD G. HEDGES, Newark, N. J. Filed Jan. 17, 1923. Serial No. 613,097. 3 Claims. (Cl. 299—129.)

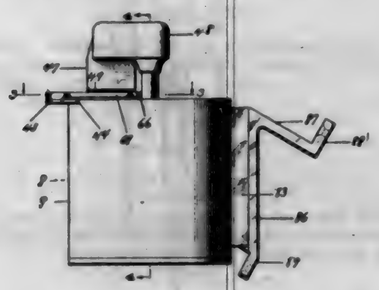


3. A spreader for urinal stalls comprising a tubular shank, a tubular head secured to one end of said shank, said head being of larger internal diameter than said shank, the lower end of said head sloping downwardly and forming a valve seat, the upper portion of said seat being enlarged to form a support, a valve having one edge secured to said support, a clamp, adjusting means carried by said clamp and engaging said valve to regulate the size of the discharge opening, and a single screw for securing said clamp and said valve to said support, said clamp having means engaging said head to prevent the clamp from turning.

1,543,010. PUNCH. FREDERICK H. JOHNSON, Northboro, Mass. Filed Jan. 11, 1924. Serial No. 685,524. 5 Claims. (Cl. 164—94.)

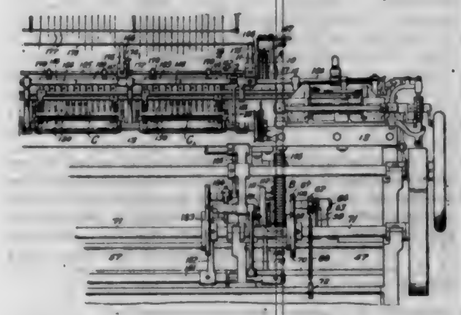
2. In a device of the character set forth, a hollow body provided with grooves, a top provided with a cutter opening, an operating head yieldingly supported by the body exterior of the top, a die in the head registerable in the opening, a detachable bottom in the body, a post in the bottom provided with a bore extending into said bottom, a pin slidably mounted in the post,

a tapering head on the post extending within the bottom, a spring in the post pressing against the head, radially disposed rods slidably mounted in the bottom



with their inner ends in contact with the tapering head and having outer ends engageable in the grooves and springs on the rods engaging the bottom.

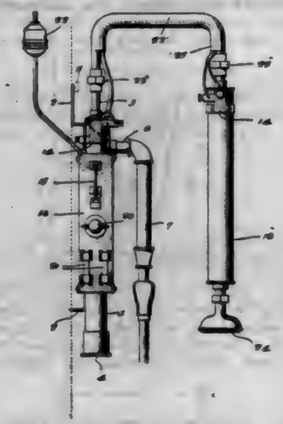
1,543,011. KNITTING-MACHINE ATTACHMENT. LEON KLEIN, Brooklyn, N. Y. Filed Dec. 16, 1924. Serial No. 756,289. 23 Claims. (Cl. 66—12.)



1. In a knitting machine, mechanism for producing striping designs or patterns in hosiery, including a reciprocating carrier-rod equipped with thread-carriers, a pattern wheel for limiting the movement of the carrier-rod in one direction, a similar wheel for limiting the movement of the carrier-rod in the other direction, each wheel being adapted to carry an annular series of removable pins of differing lengths, and means for independently rotating said wheels to bring said pins successively into the path of movement of the carrier-rod, said wheel-rotating means comprising two slidable members carrying pawls engaging said wheels, and means for moving said members alternately to cause said pawls to rotate said wheels alternately.

1,543,012. INSTANTANEOUS HEATER. APOSTOLOS KONIAS KLIMIS, Baltimore, Md. Filed Dec. 11, 1922. Serial No. 606,094. 2 Claims. (Cl. 219—38.)

1. A device of the class described comprising a casing, a supply pipe connected with the same adjacent its upper end, an outlet tube passing through one end of the casing and having its other end located a short distance from the other end of the casing, an electric heating coil surrounding said tube, a tubular member inclosing the coil for preventing water in the casing from reaching the same, a partition in the upper end of the casing between said casing and a tubular member for preventing water from reaching the upper end of the casing, a baffle plate in the casing spaced from the lower end of the outlet tube, a block of insulating material extending into the casing above the partition and conductor wires passing through the block and connected with the coil.



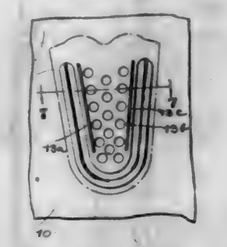
1,543,013. FAUCET. ANDREW A. KRAMER, Kansas City, Mo. Filed June 9, 1922. Serial No. 567,152. 1 Claim. (Cl. 137—21.)

The combination with a dispensing pipe line, of a valve casing in the pipe line, a rotatable valve plug in the casing having a through port, the plug having a stem extending through the casing, a faucet at the delivery end of the pipe line, the faucet having a valve seat, a spring pressed reciprocatory valve in the faucet, normally urged upon the seat, the valve having a depending stem, a rock shaft in the faucet having an arm connected to the stem whereby when the rock shaft is operated in one direction, the valve will be lifted off its seat, a crank on the end of the first named valve stem, a crank on the rock shaft, a link connecting the two cranks and a lever on the rock shaft whereby when the lever is operated, the valve and plug will be moved in unison.

1,543,014. PERCOLATOR SPOUT. FRANK E. KRONENBITTER, Maywood, Ill. Filed Aug. 25, 1923. Serial No. 659,292. 1 Claim. (Cl. 52—3.)

An improved vessel of the class described including a body having a U-shaped slit provided with out turned ends and formed adjacent the top of the side wall of

said vessel, the material on the outer side of the slit being rolled outwardly throughout the length of the slit to form a flange on the exterior of the body for engagement by a spout flange, the material within said



slit forming a downwardly extending tongue integral with the body at its upper end, said tongue being provided with a multiplicity of perforations therein, said tongue further having stiffening ribs adjacent its sides.

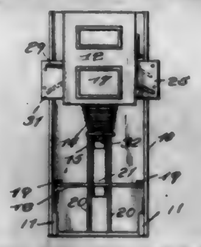
1,543,015. COMBINED PHOTOGRAPHIC PRINTER AND ENLARGER. CHARLES A. LARR, Baltimore, Md. Filed Mar. 5, 1923. Serial No. 622,945. 4 Claims. (Cl. 88—24.)



1. A photographic printing apparatus including a source of light, a lens, means for supporting the element to be printed intermediate the lens and light, an easel, shiftable supports for said lens and easel, a pair of cams, contact members carried by said easel and lens supports each engaging one of said cams, means for maintaining the contact elements in engagement with the cams, and means for simultaneously rotating said cams to thereby shift the easel and object support, the working face of the cam shifting said lens support being constructed in the form of a spiral, the working face of the cam operating the easel being formed in two joined sections, each of said sections being in the form of an increasing spiral from the junction of the sections.

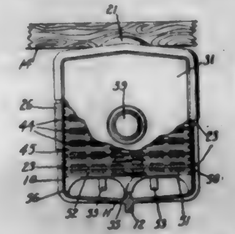
1,543,016. COMBINED PHOTOGRAPHIC PRINTER AND ENLARGER. CHARLES A. LARR, Baltimore, Md. Filed June 27, 1923. Serial No. 648,072. 9 Claims. (Cl. 88—24.)

1. In a mechanism of the character described, a supporting structure, a source of light, a lens carrier, a sensitized paper supporting member, a negative supporting member, means for coincidently shifting the lens and one of said members relative to each other comprising an actuating member having two cam tracks in different



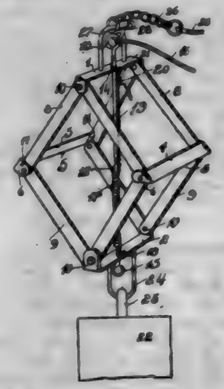
planes and crossing each other, and means operatively connecting one of said members with one of said tracks and the lens carrier with the other track.

1,543,017. STORAGE BATTERY. JOHN M. LEA, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Sept. 7, 1920. Serial No. 408,749. 13 Claims. (Cl. 136—166.)



8. In a battery cell the combination of a jar formed of conducting material, a set of plates secured thereto, a cover of conducting material, a second set of plates carried thereby and separators of insulating material between successive plates of opposite polarity, the plates of one set having means engaging over the upper edges of the separators to retain them in position while permitting withdrawal of the plates of the other set.

1,543,018. FLUE CLEANER. RICHARD LE FEUVRE, Spokane, Wash. Filed Apr. 8, 1924. Serial No. 704,977. 3 Claims. (Cl. 15—243.)



1. The combination in a chimney cleaner with a pair of spaced cross heads and a lift rope attached to one of them, of a pair of intermediate scraper bars, pairs of toggle links pivotally connected to said heads and

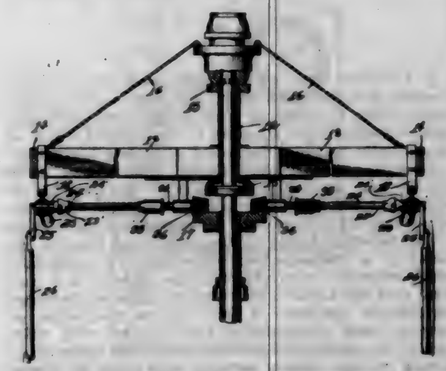
having a pivotal connection with said scraper bars, a weight suspended from the lower cross head, and means for transferring the load of the weight from said device to said lift rope.

1,543,019. WINDOW LOCK. ELMER LEHMHAUS, Hamilton, Ohio. Filed Apr. 17, 1922. Serial No. 553,526. 1 Claim. (Cl. 292—175.)



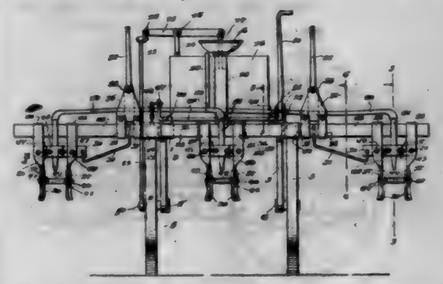
A window lock comprising a keeper carried by one sash, a housing mounted on the other sash and having an attaching plate portion, the wall of the housing toward the first named sash being formed with a rectangular opening and the opposite wall being formed with a circular hole, and a bolt including a cylindrical stem slidable through said hole and further including a head slidable through said opening and adapted to engage within the keeper, a coil spring within the housing bearing against the head and against the opposite wall of the housing for normally urging the bolt into extended position, a handle knob on the free end of the stem outwardly of the housing, the stem of the bolt being provided with spaced notches and a plate pivoted to the second named wall of the housing and having a lower edge adapted to engage in said notches, the pivot of the plate being spaced from said edge of the plate a considerable distance whereby the plate at its point of engagement in the notch shifts longitudinally through the notch when the plate is elevated.

1,543,020. MERRY-GO-ROUND. HUEL B. LOMBARD, Brookings, S. Dak. Filed Jan. 11, 1923. Serial No. 612,052. 2 Claims. (Cl. 272—40.)



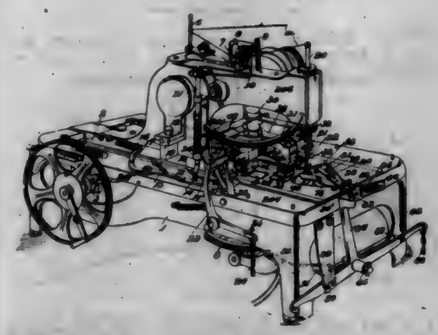
1. A merry-go-round including a center post, a rotary carriage on the post, a series of cars suspended on the carriage, a series of outwardly swinging frames suspended on the carriage and extending in tangential relation thereto, cars suspended on the swinging frames, manually operable driving means on each of the last-named cars including a rocker, a crank shaft on each of the swinging frames, a gear on the post, a radial shaft having a driving gear engaged with the post-carrier gear, a rod connecting the said crank and rocker, and a universal joint and sliding joint connections between the second frame crank shaft and the radial shaft.

1,543,021. SPRAYING MACHINE. NEILL PAT MCARTHUR, Wakulla, N. C. Filed Aug. 18, 1923. Serial No. 658,064. 3 Claims. (Cl. 299—41.)



1. A plant treating machine comprising a frame, a cross bar having arms pivoted to the frame, means associated with said arms for adjusting the cross bar vertically, inner and outer plant contact hoods having loops freely mounted on said cross bar and consisting of spaced side plates and front and rear connectors joining the plates, flexible pipes having spray nozzles discharging between said front and rear connectors and the side plates of the hood, and means connecting the nozzles to the hoods whereby the nozzles and the hoods move together.

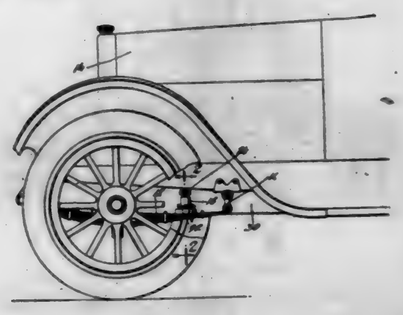
1,543,022. THREAD-TRIMMING MECHANISM FOR BUTTONHOLE MACHINES. HENRY C. MILLER, Waterford, N. Y. Filed June 26, 1914, Serial No. 847,534. Renewed Apr. 1, 1920. Serial No. 370,536. 72 Claims. (Cl. 112—252.)



52. In a buttonhole machine, clamping means, upper thread mechanism, lower thread mechanism, the lower thread mechanism having a hook and including a throat plate, said upper thread mechanism and lower thread mechanism being mounted for relative movement to the clamping mechanism for stitching the buttonhole, said throat plate receiving a stay cord, said hook compelling a loop formation of the upper thread below the cloth, thread slackening means for both the upper and lower threads operable following the buttonhole stitching operation, and means for simultaneously trimming the loop of the upper thread, the lower thread, and stay cord, and means for temporarily holding the free end

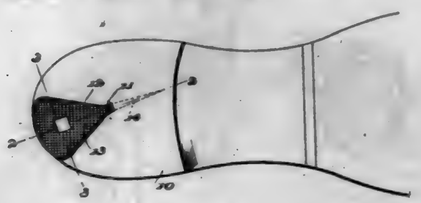
of the lower thread during the initial stitches of the next succeeding buttonhole, and means for subsequently advancing the free end of the lower thread to be sewn in by succeeding stitches of said next succeeding buttonhole.

1,543,023. DEVICE FOR USE IN REBUSHING SPRING SHACKLES. PAUL MINNARD, Detroit, Mich. Filed Mar. 27, 1924. Serial No. 702,345. 5 Claims. (Cl. 29—84.)



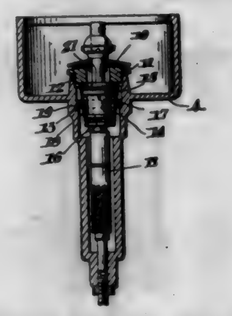
1. A device for use in rebushing spring shackles which comprises, in combination, a base having a plane bottom to engage the top surface of a spring adjacent the shackle, a support having an axial projection in position to engage the chassis frame above the spring, the support and base being threaded together for adjustment by turning the support about an axis passing through the axial projection until the device takes the load off the shackle, and four setscrews spaced 90° apart about the base and threaded through the base into engagement with the spring, one or more of the setscrews being adjusted to tilt the spring while still carrying the load so that the shackle bolt and bushing may be removed and replaced without binding.

1,543,024. HEEL PLATE. WILLIAM ALEXANDER MORRIS, El Reno, Okla. Filed Sept. 22, 1922. Serial No. 589,829. 3 Claims. (Cl. 36—74.)



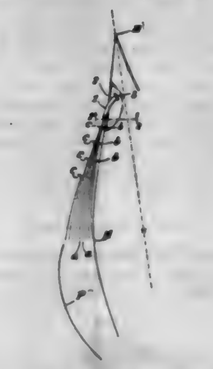
1. A heel plate for use with elastic heels and comprising a transversely curved body portion adapted to be fitted to the heel in such manner that the side edges of the body portion are embedded in the material of the heel, a prong extending longitudinally from one end of the body portion and inclined slightly with respect to the plane of the body portion, the prong being adapted to be inserted into the body of the heel and being adapted to lie at a slight distance above the tread surface of the heel, the juncture between the prong and the body portion being curved, a lug integrally formed with the body portion and adapted to be driven into the heel, said lug being apertured, and a fastening device adapted to be driven through the material of the heel and through the aperture of said lug.

1,543,025. FLEXIBLE NECK BEARING. NELSON HOWARD NORRIS, Renfrew, Ontario, Canada. Filed Mar. 9, 1923. Serial No. 623,907. 2 Claims. (Cl. 64—48.)



1. A flexible neck bearing comprising, in combination with a spindle, a taper-shaped bearing recessed at the centre and operatively mounted thereon, a coiled spring wound thereon and adapted to take its bearings from the extremities of said spring, a threaded collar for said spring adapted to fit therearound against the coils, and tension-creating washer means for said bearing.

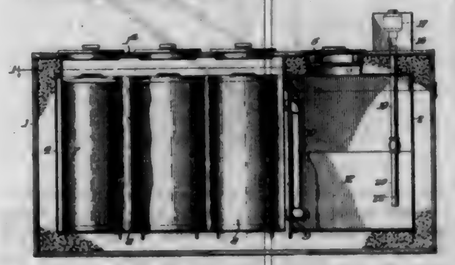
1,543,026. PROPELLING SYSTEM AND METHOD. CLIFFORD M. PAXTON, Brooklyn, N. Y. Filed Apr. 7, 1923. Serial No. 630,463. 14 Claims. (Cl. 115—14.)



1. A marine vessel of the displacement type, in combination with propulsion means, including means for supplying water at relatively high pressure and submerged nozzles designed and arranged to project said water as substantially rearwardly directed water-jets having correspondingly high initial velocity, said nozzles being located near the hull surfaces aft of the stem but in advance of the regions of normal maximum high pressure which are adjacent the forwardly directed surfaces of the entrance section of the vessel, and being so directed as to discharge said water-jets at a substantial angle outwardly with respect to the adjacent hull surfaces near the nozzles; the outward angles of discharge, the contours and areas of nozzle orifices, and initial jet velocity, being predetermined and correlated with reference to the size and the desired speed of the vessel, so as to keep the high velocity initial portion of the jet stream from immediate bending to the hull surfaces, and so as to restrict the useful water-excavating, pressure-reducing portions of the resultant streams substantially to the regions adjacent the entrance section of the vessel; to restrict the transition portions of said streams substantially to the regions adjacent the surfaces of the vessel

amidship; and to restrict the water-depositing, pressure-increasing portions of said streams substantially to the regions adjacent the surfaces of the vessel aft of the after end of the entrance section or adjacent the run section, substantially as and for the purposes described.

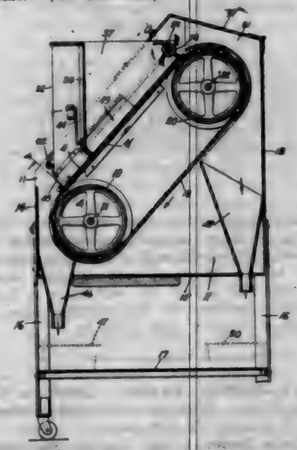
1,543,027. SYSTEM OF REFRIGERATION. LEWIS PENWELL, Chicago, Ill., assignor to A-B-C Transit Refrigeration Co., Helena, Mont., a Corporation of Delaware. Filed July 23, 1921. Serial No. 487,089. 8 Claims. (Cl. 62—101.)



1. A refrigerating apparatus comprising the combination of an insulating receptacle, an enclosed casing located therein providing a columnar passageway, a refrigerant supply vessel located in the insulating receptacle and communicating with said passage-way, and means for causing a flow of the refrigerant through said passage-way and the refrigerant supply vessel.

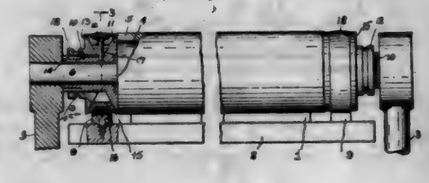
7. In a refrigerating apparatus, the combination with a container, of a circulating conduit for conveying a cooling liquid in association with the container, a supply brine compartment having communication with the supply end of said conduit, a discharge brine compartment having communication with the discharge end of said conduit, said compartments and conduit being arranged for retention of liquid in the latter at a higher level than in the former, and means for maintaining liquid in the supply compartment at a higher level than that in the discharge compartment.

1,543,028. DOCKAGE TESTER AND PROCESS FOR OPERATING THE SAME. JOHN A. PERKINS, Minneapolis, Minn. Filed May 28, 1924. Serial No. 716,420. 9 Claims. (Cl. 130—18.)



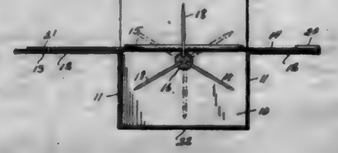
1. A machine of the class described comprising a frame, a separator movable relatively thereto for separating the finer from the coarser material, means constituting the discharge for coarser material for holding the body of material over a certain predetermined area of the separator until the separation is complete and controllable for releasing the coarser material after the separation is effected.

1,543,029. INKING ROLL FOR PRINTING PRESSES. WILLIAM M. REICHART, Cleveland, Ohio, assignor to The Chandler & Price Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 19, 1921. Serial No. 501,564. 2 Claims. (Cl. 101—348.)



1. An inking roll for a printing press, the combination with the roll spindle, of a roller for said spindle, said roller including a rim of fixed diameter surrounding said spindle, means for supporting said rim on said spindle, said means being adjustable thus variously to support said rim from concentric relation to said spindle to variable degrees of eccentricity therewith, and means restraining rotative movement of said rim about said spindle.

1,543,030. SPEAR-PROJECTING TRAP. ALONZO B. RHUDE, Plummer, Idaho. Filed July 15, 1924. Serial No. 726,157. 6 Claims. (Cl. 43—58.)

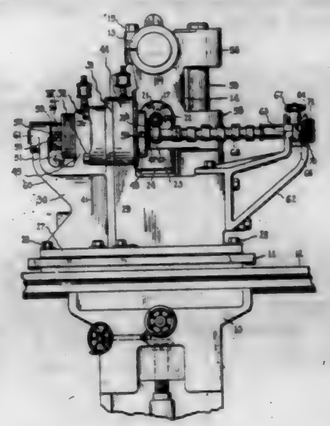


5. A trap of the character described comprising a body adapted to be disposed in a runway having a transversely extending shaft formed with a plurality of substantially radially projecting, pointed members, the pointed members being so mounted upon the shaft that one of the pointed members is always supported in a vertical position by gravity, and a plate supported upon the body over said shaft and having a slot through which the pointed members in the shaft may project and through which they may turn.

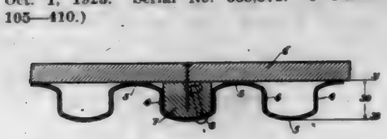
1,543,031. GEAR-CUTTING MACHINE. CHARLES R. SHORT, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Dec. 10, 1917. Serial No. 206,441. 9 Claims. (Cl. 90—4.)

1. A gear cutting machine comprising a standard, a horizontal spindle supported on said standard, a face mill

cutter carried at one end of said spindle, a table vertically adjustable on said standard, a barrel chuck horizontally mounted on said table and having the axis thereof in the plane of said cutter face, and means for rotating said spindle and said chuck.



1,543,032. END STRUCTURE FOR RAILWAY CARS. VINTON E. SISSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application Filed Sept. 1, 1920, Serial No. 407,316. Divided and this application filed Oct. 1, 1923. Serial No. 665,871. 6 Claims. (Cl. 105—410.)



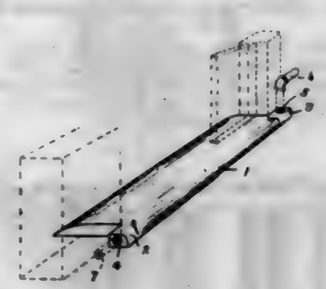
1. A metallic panel for car ends having a plurality of corrugations formed therein with main walls, and curved arched portions connecting said main walls, the width of each corrugation being greater than the distance between parallel planes drawn through the outermost parts of the corrugated panel.

1,543,033. ELECTRODE. WALTER O. SNELLING, Allentown, Pa. Filed May 20, 1922. Serial No. 562,526. 6 Claims. (Cl. 250—27.)



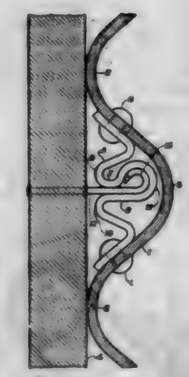
1. An electrode comprising a film of light-transparent metal superimposed upon an electrically conducting wire gauze.

1,543,034. THRESHOLD. SYLVESTER GEO. STEVENS, Duluth, Minn. Filed Oct. 27, 1923. Serial No. 671,248. 4 Claims. (Cl. 20—64.)



1. The combination with a house door opening, of a hollow threshold therefor extending wholly across the opening on top of the floor and forming a part of the frame for the opening, and pipe connecting means, for communication with the interior of the threshold, spaced from either side of the door opening.

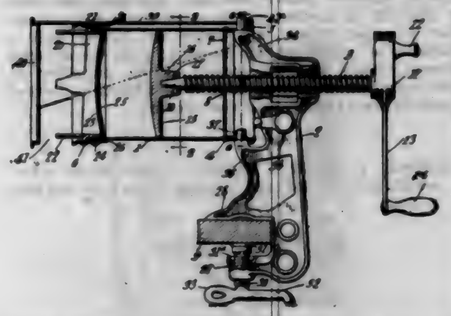
1,543,035. MEANS OF SECURING A WOODEN LINING TO A CORRUGATED WALL. SVEN J. STRID, Chicago, Ill. Filed Aug. 21, 1924. Serial No. 733,344. 4 Claims. (Cl. 105—407.)



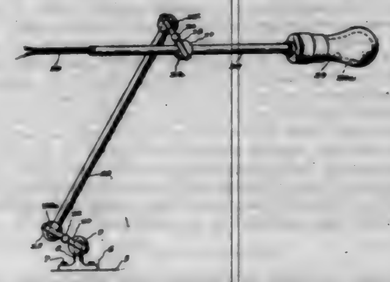
1. In combination with a wall element for a railway car having a plurality of corrugations formed therein, a fastener secured to said wall, a lining, a nail securing said lining to the fastener, said fastener comprising means to guide and deflect the nail as it is driven between adjacent portions of the fastener whereby said nail is retained between said portions.

1,543,036. DOMESTIC PRESS. LAWRENCE H. TAYLOR, Iola, Kans. Filed Oct. 10, 1924. Serial No. 742,861. 1 Claim. (Cl. 100—44.)

In a culinary device, a food holding receptacle open at one end, said end having an outward pressed shoulder to form an internal abutment a strainer carrying ring carried within said receptacle end and adapted to abut said shoulder a clamping ring working loose in the flange of the screen or strainer, said clamping ring having a plurality of lugs extending outward to perform the double function of supporting feet for the cylinder and means for connection with a wrench, a follower mounted in said cylinder and means for actuating the follower.



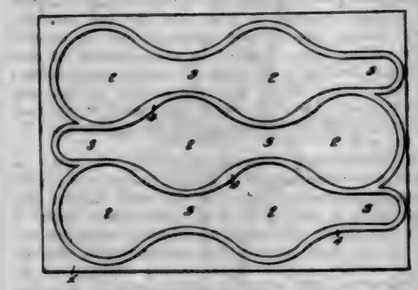
1,543,037. ADJUSTABLE LIGHT FIXTURE. JAMES F. TETTER, Forest Park, Ill. Filed July 12, 1923. Serial No. 651,113. 1 Claim. (Cl. 248—3.)



A lamp support comprising pairs of clamping elements, the clamping elements of each pair being flat and arranged in edge to edge relation and formed intermediate the ends thereof with alined openings, the edge portions of said clamping elements being provided in their opposed sides with pairs of recesses, the walls of which are curved longitudinally and transversely, a supporting rod having spherical heads received in certain of said recesses, and spherical attaching heads received in the other recesses of said clamping elements and having radial incisions, the side walls of which are normally spaced whereby the second-named heads may be compressed into gripping engagement with objects extended through the second-named spherical heads, and screw bolts extended through said alined openings for drawing the clamping elements together in clamping engagement with the first and second-named heads, said spherical heads being substantially greater in diameter than the thickness of said clamping elements.

1,543,038. FRUIT CONTAINER. HARRY J. THOMPSON, San Francisco, Calif., assignor to National Fibreform Company, San Francisco, Calif. Filed Feb. 11, 1922. Serial No. 535,833. 1 Claim. (Cl. 217—26.5.)

A structure of the class described comprising separate pairs of molded trays, each tray formed of absorbent cushioning material, the trays of each pair being oppositely disposed, each of said trays having recesses in one face matching corresponding recesses in the opposed tray, there being depressions between the recesses in each tray forming necks, the trays being provided with dome-like projections corresponding with the recesses therein, the dome-like projections on the trays of one pair being adapted to nest between the corresponding projections on the trays of the next adjoining pairs and to bear substantially at single points of contact upon the neck portions of the trays, thereby providing transverse and longitudinal air spaces between the trays.

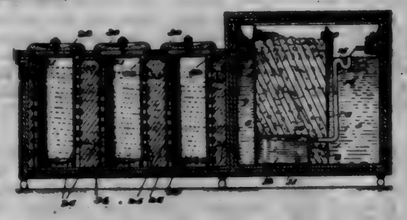


1,543,039. BEARING. LAMBERT H. VERVOORT, Washington, D. C. Filed May 23, 1922. Serial No. 563,085. 8 Claims. (Cl. 64—62.)



2. In a bearing, a roller cage comprising two end plates stayed apart, each of the said end plates being provided with radially elongated bearing depressions spaced apart on its inner face.

1,543,040. REFRIGERATING APPARATUS. GEORGE B. WALKER, Washington, D. C., assignor, by mesne assignments, to A-B-C Transit Refrigeration Company, New York, N. Y., a Corporation of Delaware. Filed Jan. 14, 1921. Serial No. 437,333. 6 Claims. (Cl. 62—101.)

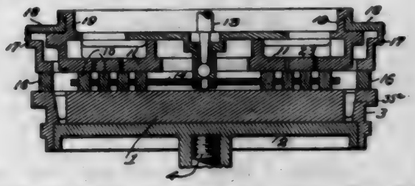


1. A refrigerating apparatus comprising a refrigerating compartment, having a brine lifting chamber at one side, a receiving chamber at one end, a delivery chamber at the opposite end, and an ice chamber between the receiving and delivery chambers, the receiving chamber communicating with the ice chamber at the lower portion of the latter and the delivery chamber communicating with the ice chamber at the upper portion of the latter, a brine lifting element pivoted in the brine chamber, means for moving the brine lifting element up and down in the brine chamber to pick up the brine therefrom, and means for delivering the brine from the brine lifting element to the receiving chamber.

5. A refrigerating apparatus for ice cream cans comprising a storage compartment including a series of coils defining can receiving spaces, means arranged beyond said coils to force the circulation of a refrigerating medium thru the coils, the top of the storage compartment having openings in line with the can receiving spaces, closures sealing said openings, and an annular flexible sealing gasket secured to the underside of each closure and having an opening of slightly less diameter than that of the can to seal the interior of the compartment about the can when the latter is inserted, and a cork filling for the interior of the compartment beyond the coils.

6. A refrigerating cabinet, comprising an outer receptacle, a circulating conduit housed therein and located an appreciable distance from the side walls thereof, said conduit being in the nature of a hollow jacket shaped to receive and closely encompass a container, insulating material in the space between the receptacle and said circulating conduit, a tank in the casing adapted for the retention of ice, said conduit communicating at its terminals with the tank, and means for inducing a flow of the refrigerant through said cooling tank and the conduit.

1,543,041. PROCESS FOR LAPPING GAUGE BLOCKS. FLOYD C. WEAVER, Washington, D. C. Original application filed Jan. 17, 1922, Serial No. 530,007. Patent No. 1,476,863, dated Dec. 11, 1923. Divided and this application filed Sept. 6, 1922. Serial No. 586,521. 1 Claim. (Cl. 51—278.)



A process of the character described comprising placing articles to be ground upon a support having a flat upper article receiving face with the articles held in spaced relation to each other and grinding the upper ends of the articles a predetermined amount to provide end faces parallel to the article engaging face of the support, then inverting the articles and placing a waterproofed plastic about and between the articles to hold the articles in place, then grinding the previously unground ends of the articles to remove a predetermined amount of material and provide end faces parallel to the previously ground end faces, removing the articles and plastic from the support and thoroughly cleansing the articles and subjecting the end faces thereof to a final grinding to reduce the articles to a desired size with their end faces exactly flat and parallel to each other.

1,543,042. MUFFLER FOR INTERNAL-COMBUSTION ENGINES. FRANK A. WHITTEN, Detroit, Mich., assignor to General Motors Corporation, Detroit, Mich., a Corporation of Delaware. Filed Mar. 5, 1923. Serial No. 622,939. 1 Claim. (Cl. 137—60.)



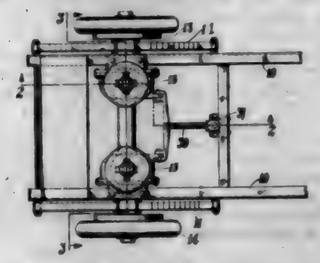
A muffler comprising a hollow cylindrical casing; a spiral rib extending inward from the inner surface of said casing and terminating short of the axis thereof, to thereby provide a spiral passage and a straight and unobstructed passage both extending from end to end of the muffler; heads secured to the ends of said casing and having passages leading into and out therefrom; and a plurality of circumferentially spaced supporting members arranged within said casing and having each a plurality of supporting lugs struck up from the material thereof, which lugs are secured to the periphery of said spiral rib to thereby hold the convolutions thereof properly spaced apart from one another.

1,543,043. CIGARETTE HOLDER. EDGAR ALLEN, Cambridge, Ohio. Filed Mar. 7, 1923. Serial No. 623,502. 1 Claim. (Cl. 131—10.)



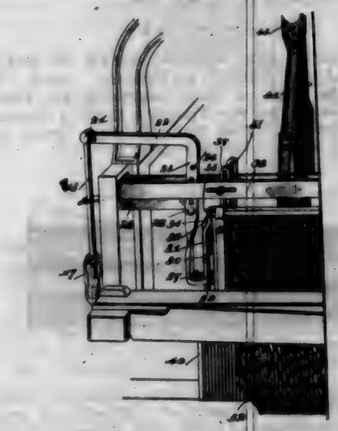
A holder for cigar or cigarettes, comprising a section of uniform diameter throughout and formed at one end to receive the article and with a central duct leading toward and communicating with an enlarged valve passage at the opposite end, a spring pressed valve in said passage, a hollow section of uniform diameter with the first mentioned section and removably secured to the latter, said hollow section being in open communication with the valved passage and being adapted to contain a free body of mineral oil, a valve section connected to the hollow section and containing a passage controlled by a valve and open to the hollow section, and an enlargement of such passage adapted to contain an absorbent, and a mouth piece removably secured to the valve section and having a central duct communicating with the absorbent chamber, the end of the mouth piece serving to retain the absorbent in the chamber.

1,543,044. MOTOR MOUNTING AND POWER-TRANSMISSION MECHANISM FOR MOTOR VEHICLES. JOSEPH A. ANGLADA, Jenkintown, Pa., assignor to Electrocar Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 10, 1922. Serial No. 544,351. 1 Claim. (Cl. 180—65.)



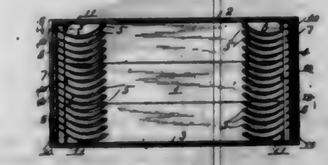
In a motor vehicle, a frame, a transverse axle housing, a pair of drive wheels supported thereby, springs between the frame and the axle housing, a pair of motors on the frame above the axle housing, independent transmission mechanism between each motor and one of the wheels each comprising a telescopic connection and a universal joint, a radius rod, a universal joint between one end of said rod and the vehicle frame, and a cross bar pivotally connected near its ends with the axle housing, and near its center with the radius rod.

1,543,045. LENO LOOM. JOHN SHELDROW BACHMAN, SIDNEY ARTHUR MOAK, and STARLING CHRISTOPER LEWIS, Rome, Ga. Filed Jan. 14, 1924. Serial No. 686,068. 1 Claim. (Cl. 139—50.)



In a leno loom, the combination with vertical reciprocating healds and stationary healds, means for causing shifting of the reciprocating healds, said means comprising a rod having an enlargement at its lower end, said enlargement being provided with a horizontal slot, a drive gear, a pin on the gear received by the slot, a lever having an adjustable pivotal mounting intermediate its ends, one end of the lever being connected with the rod, a yoke at the opposite end of the lever having arms projecting laterally and then inwardly and with an arm connected with a heald for causing simultaneous lateral shifting of the reciprocating healds and means for maintaining the stationary healds in position while the reciprocating healds are shifted laterally between said stationary healds.

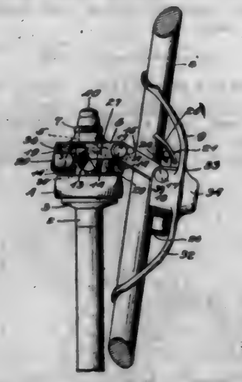
1,543,046. PACKING CASE FOR GARMENTS. JOHN THOMAS BATTS, Los Angeles, Calif. Filed Jan. 24, 1924. Serial No. 688,129. 3 Claims. (Cl. 206—7.)



1. In a garment packing case; a plurality of garment hangers having sustaining members adapted to be removably held on the supporting rod hereinafter named; a supporting rod inside the case; adjustable means for clamping the rod sidewise to the case with said members clamped therebetween.

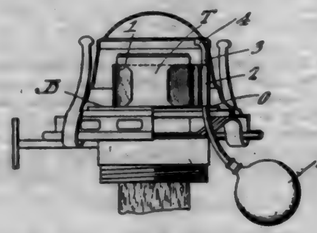
1,543,047. TILTING STEERING WHEEL FOR MOTOR VEHICLES. DAVID BEHRSING and CLARENCE A. GODSHALK, Philadelphia, Pa., assignors to Fox Automotive Products Corporation, Philadelphia, Pa., a Corporation of Delaware. Filed Nov. 6, 1922. Serial No. 599,292. 10 Claims. (Cl. 74—33.)

1. The combination with a steering shaft and a steering wheel for turning it, of double pivotal connections between these two, the pivots being parallel with each other and arranged to permit the wheel to tilt, without



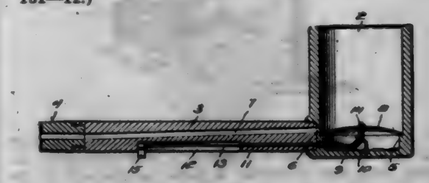
bodily movement of translation, about one pivotal axis, and to swing bodily and away from the line of the shaft about the other pivotal axis.

1,543,048. LAMP-BURNER ATTACHMENT. GLOVER BEE BELLAH, Port Lavaca, Tex. Filed Sept. 8, 1924. Serial No. 736,605. 1 Claim. (Cl. 67—75.)



An attachment for lamp burners including a clip for engagement with a wick tube, a sleeve upon the clip, an air tube secured within the sleeve and having a terminal nozzle for directing a jet of air along the exposed edge of a lamp wick, and air forcing means connected to the air tube.

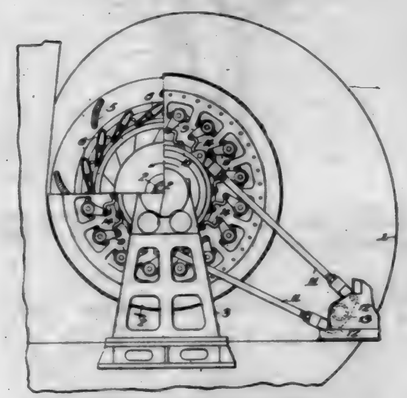
1,543,049. SMOKING-PIPE-CLEANING ATTACHMENT. JOSEPH ADAM BENNETT, Rexford, N. Y. Filed Jan. 17, 1925. Serial No. 3,129. 3 Claims. (Cl. 131—12.)



1. In combination with a smoking pipe wherein the latter comprises a bowl, a stem, and a mouth piece, of a cleaning attachment for the bowl, the same comprising a disc normally disposed in the bowl for the passage of the smoke, said disc adapted for reciprocatory movement in said bowl, means for actuating the same, said means comprising a flexible wire extending into said bowl and secured to said disc, an upwardly curved tubu-

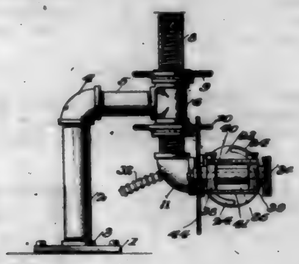
lar member arranged in the bottom of the bowl below said ejector and through which the forward portion of the flexible wire is adapted to extend, and means associated with the opposite end of the flexible wire for actuating the same.

1,543,050. BREAKAGE LINK. FRANK R. BENSON, Kecoughtan, Va., assignor to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., a Corporation of Virginia. Filed Feb. 21, 1924. Serial No. 694,269. 4 Claims. (Cl. 253—122.)



1. In an hydraulic turbine, in combination with the gate and the gate operating mechanism, a protecting member intermediate said parts, comprising a connecting link having a middle portion comprising offset portions in angular relation to each other and adapted to bend relatively when said link is subject to opposing forces acting thereon which exceed a predetermined value.

1,543,051. COMBINATION SAW. JAMES H. BLOODGOOD, Tampa, Fla. Filed Nov. 20, 1923. Serial No. 675,903. 3 Claims. (Cl. 143—6.)



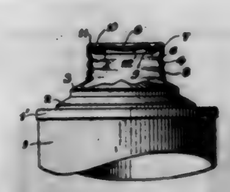
1. A portable saw comprising a vertical standard adapted to be secured in position, a horizontal arm projecting from said standard, a guide on the end of the arm, a slidable screw mounted for rotary and vertical adjustment in the guide, means supporting the screw and controlling the adjustment of the screw in the guide, a saw head support carried in a horizontal position by the screw, said support being composed of a tubular member, disks mounted for limited rotation on the opposite ends of the body, and rods slidably carried by said disk, passing through the tubular body and projecting from opposite ends of the body, a saw head rigidly connected to the adjacent ends of the rods, a shaft carrying a saw mounted for rotation in the saw head, a rotatable means on the opposite ends of the rods, and means operably connecting the rotatable means with the shaft in the saw head.

1,543,052. STAY FOR HOLLOW ROLLS OF FLEXIBLE PLIANT SHEET MATERIAL. ABNER W. BROWN, San Francisco, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Mar. 24, 1921. Serial No. 455,313. 1 Claim. (Cl. 206—59.)



The combination with a normally collapsible hollow center roll of flexible material, of a plurality of separate tubes having spaced rigid discs disposed therein perpendicularly to the axis of the tube, one of said discs being secured to the tubes at each end thereof, one of said tubes being inserted snugly into the hollow center of the roll at each end thereof and abutting each other at substantially the center of the roll, whereby to position several of the rigid discs of substantially the center of the roll and one of the rigid discs at each end of the roll to prevent collapse of the roll at its center and ends, substantially as described.

1,543,053. CONTAINER. SOL L. BUSCHMAN, New York, N. Y., assignor to Metal Package Corporation of New York, New York, N. Y., a Corporation of New York. Filed Mar. 11, 1924. Serial No. 698,423. 5 Claims. (Cl. 220—46.)

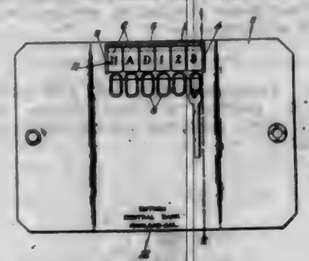


1. A container provided with a neck having a sealing surface comprising an inwardly extending annular flange, said flange including an upwardly extending peripheral bead above and substantially in alinement with said neck, an annular depression adjacent thereto, and a relatively plane surface projecting inwardly of said depression, and a cap adapted to pass over said neck and be secured thereto, said cap including a portion having a configuration corresponding to the sealing surface of said neck and interfitting therewith.

1,543,054. KEY PURSE. JOHN B. BUSHNELL, Berkeley, Calif., assignor to Crocker Manufacturing Co., San Francisco, Calif., a Corporation of California. Filed Apr. 26, 1924. Serial No. 709,211. 4 Claims. (Cl. 150—40.)

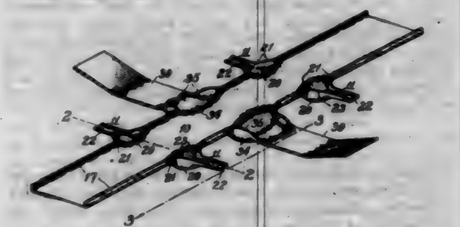
1. A key-container comprising a folio and frame secured in the said folio, a shaft mounted in said frame, sheet metal holders journaled upon said shaft and having

apertures adjacent the lower end of each holder and key-rings each comprising a loop of spring wire having



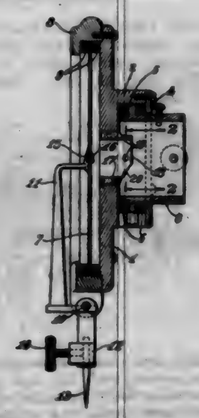
upwardly extending tips on the end of said loops and the said tips extending upwardly through the said apertures in the holders.

1,543,055. SPRING PLANK. GEORGE S. CHILES, Lima, Ohio, assignor to The Ohio Steel Foundry Company, Lima, Ohio, a Corporation of Ohio. Filed Dec. 5, 1923. Serial No. 678,671. 8 Claims. (Cl. 105—208.)



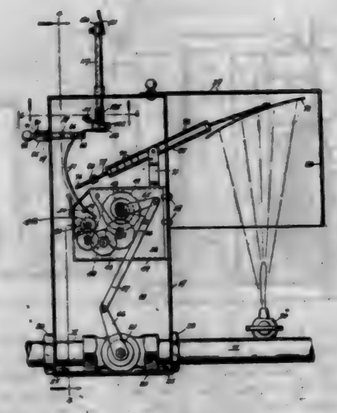
1. A spring plank for car trucks comprising a relatively flat body portion and laterally extending projections integral therewith, having continuous marginal flanges along contiguous sides of said body portion and projections, and depressed areas at the intersections of said body portion and projections.

1,543,056. SOUND REPRODUCING OR RECORDING MECHANISM FOR PHONOGRAPHS. JOHN C. CLÄSEN, St. Louis, Mo., assignor, by mesne assignments, to Clasen Naturephone Company, Wilmington, Del., a Corporation of Delaware. Continuation of application Serial No. 445,927, filed Feb. 18, 1921. This application filed Aug. 1, 1921. Serial No. 488,894. 14 Claims. (Cl. 181—32.)



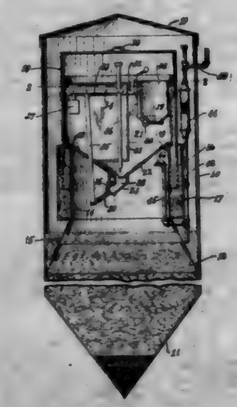
1. In an amplifying reproducer of music a diaphragm of tempered horn.

1,543,057. AUTOMATIC THERMOSTATIC GAS CUT-OFF. FRANK COLONNA, Brooklyn, N. Y. Filed Dec. 5, 1923. Serial No. 678,564. 13 Claims. (Cl. 67—114.)



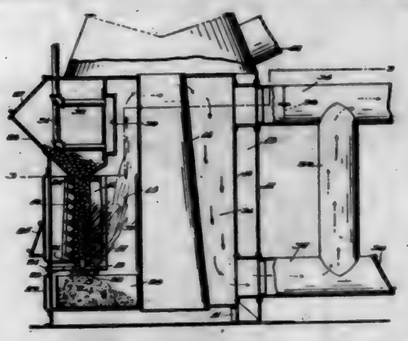
1. An automatic fuel cut-off comprising a fluid pressure actuated means, adjustable means on said fluid pressure actuated means for adjusting the latter for operation at a predetermined fluid pressure, fuel cut-off means associated with said fluid pressure actuated means for closing the supply of said fuel when the fluid pressure has dropped to or below said predetermined fluid pressure and a chamber associated with the automatic fuel cut-off through which said moving fluid is made to move in a vertical column out to the atmosphere and in which said fluid pressure actuated means is arranged.

1,543,058. ACETYLENE-GAS GENERATOR. MARION H. COMPTON, Muscatine, Iowa. Filed Aug. 3, 1921. Serial No. 489,586. 1 Claim. (Cl. 48—57.)



A gas generator including an outer metallic casing constituting a closed container and adapted to be embedded in the ground, the lower end of the outer casing being downwardly tapered to form a relatively deep, inverted, acutely pointed cone whereby to facilitate the embedding and installing of the casing and the removal of sludge, the casing terminating at the extreme apex of the cone, and gas generating mechanism disposed within the casing.

1,543,059. HOT-AIR FURNACE. ROBERT PATRICK COSTELLO, East Calgary, Alberta, Canada. Filed June 19, 1922. Serial No. 569,373. 10 Claims. (Cl. 126—99.)



1. A hot air furnace having a fire place and a combustion chamber at one side thereof, and a smoke chamber at the opposite side thereof, a vertical baffle wall separating the combustion and smoke chambers and extending from the bottom to the top of said chambers, and having an opening at its upper end only leading from the combustion to the smoke chambers, an air conduit extending vertically through the smoke chamber having one side formed of the baffle wall, draught inlets to the fire place, smoke outlets from the smoke chamber, and air inlets and outlets for the air to be heated.

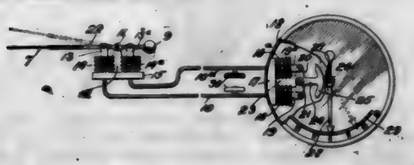
1,543,060. MARKED GUMMED TAPE. CHARLES H. CROWELL, Brooklyn, N. Y. Filed July 21, 1922. Serial No. 576,572. 8 Claims. (Cl. 91—67.95.)



1. The gummed tape comprising an absorbent kraft paper backing and an adhesive gum coating applied thereto and a series of spaced superficial designating markings on said tape between said backing and gum coating and penetrating the adjacent portions of said coating and backing, said markings comprising starchy body material and incorporated water soluble aniline dye stuff adapted to further penetrate the backing if it is moistened.

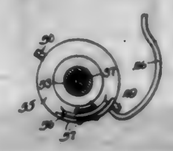
6. The gummed tape comprising absorbent backing and an adhesive gum coating applied thereto and designating markings on said backing coloring adjacent portions of said backing and coating and said markings comprising water soluble dye stuff.

1,543,061. BALANCED TRANSMISSION FOR DISTANT INDICATORS. OSCAR A. DANIELSON, Brooklyn, N. Y. Filed May 18, 1920. Serial No. 382,285. 6 Claims. (Cl. 265—23.)



1. In a transmitting mechanism, separate systems each comprising a passage and terminal cells filled with a confined body of fluid, a pivoted lever arm at each end of the systems for balancing same, to which arm the cells of the respective systems are pivotally connected at opposite sides of the lever pivot, a prime mover which acts on the lever arm at one end of the systems and means actuated by the lever arm at the other end of the systems.

1,543,062. SPEED CONTROLLING AND INDICATING DEVICE. BETHUEL M. DAVIS, Chicago, Ill. Filed Sept. 7, 1920. Serial No. 408,453. 22 Claims. (Cl. 175—355.)



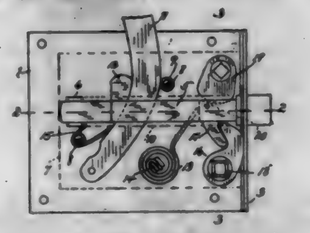
1. In a device of the class described, a shaft adapted to be rotated, a control circuit, a pair of contacts in said circuit, a spring-controlled escapement mechanism normally held against movement for controlling said contact springs, means controlled by the speed of said shaft for releasing said escapement, said escapement mechanism consisting of a hollow drum loosely mounted upon a shaft driven from said first-mentioned shaft, and a spiral spring within said drum, the inner end of said springs rotating with said second shaft, and the outer end of said spring frictionally engaging with the inner periphery of said drum.

1,543,063. DRIVING ROPE. JAMES DAWSON, Lincoln, England, assignor to James Dawson and Son, Limited, Lincoln, England. Filed Nov. 21, 1924. Serial No. 751,325. 4 Claims. (Cl. 74—63.)



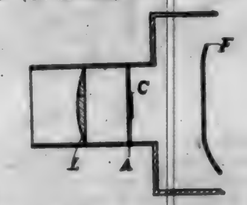
1. In a driving rope, the combination of a plurality of flat belts of decreasing width, nails securing the central layers only, nails securing at least one adjacent belt to the central layers, and rivets securing the total number of assembled belts which form the rope.

1,543,064. DOOR LATCH. WILLIAM C. DEVERBAUX, Detroit, Mich., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 28, 1922. Serial No. 583,922. 1 Claim. (Cl. 292—173.)



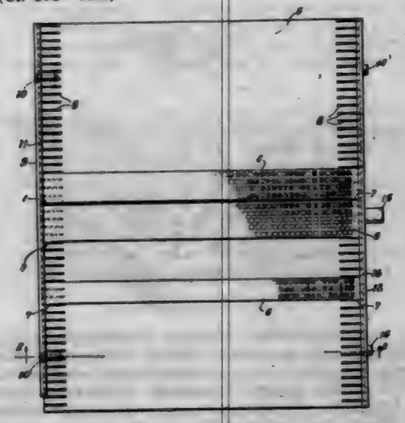
In a door latch, the combination with a case plate, of a cover plate spaced from the case plate, a locking bolt movable between the case plate and cover plate, a lever between said plates for actuating said bolt, lugs on one of said plates for guiding said bolt, interiorly threaded tubular spacers for said cover plate extending through the case plate and riveted thereto, screws extending through said cover plate and threadedly engaging said spacers, one of said spacers constituting a stop lever, and a coil spring surrounding the other of said spacers having one arm abutting one of said lugs and having another arm abutting said lever and normally holding the latter against the stop.

1,543,065. METHOD OF MASKING PHOTOGRAPHIC FILM WHILE EXPOSURE IS BEING MADE. LEON F. DOUGLASS, Menlo Park, Calif. Original application filed July 15, 1922, Serial No. 575,310. Divided and this application filed Jan. 12, 1923. Serial No. 612,242. 3 Claims. (Cl. 95—36.)



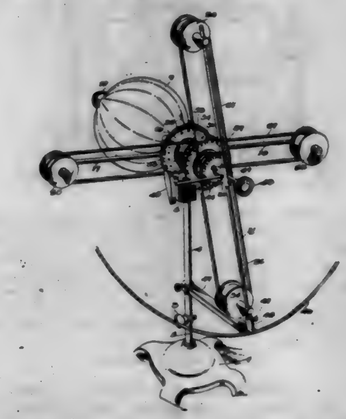
1. The method of producing two separate images on a negative film which comprises, attaching an opaque member of particular shape to a transparent support adapted to cover one frame of a negative film, placing the opaque member and transparent support in the path of the light rays proceeding through a camera lens from an object to be photographed to a negative film located inside the said camera, making an exposure of said negative film to the light rays passing through the transparent support, removing the opaque member from the transparent support, and attaching thereto another opaque member adapted to mask the portion of the transparent support not masked by the first mentioned opaque member, interposing the last mentioned opaque member and transparent support in the path of the light rays proceeding from another object through said camera lens to said film, and making another exposure of said film to the light rays passing through the transparent support.

1,543,066. SECTIONAL PRINTING-FORM BED. JOSEPH S. DUNCAN, Chicago, Ill., assignor to Addressograph Company, Chicago, Ill., a Corporation of Illinois. Filed Aug. 8, 1924. Serial No. 730,817. 2 Claims. (Cl. 101—384.)



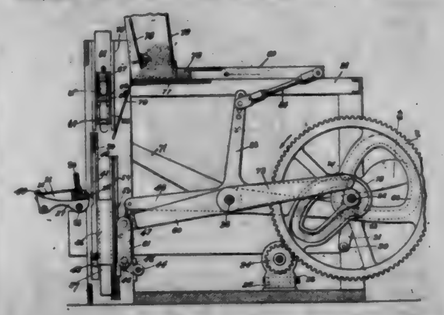
1. The combination of a printing form section having type characters thereon and down-turned lugs on one side edge adjacent its ends, a bed therefor having a series of grooves adjacent each side margin to receive said lugs and spaced apart according to the line spacing of the type characters on the section, and means for holding the sections in place on the bed.

1,543,067. EDUCATIONAL APPLIANCE. CHARLES H. DUNLOP, Brooklyn, N. Y. Filed Dec. 10, 1923. Serial No. 679,714. 10 Claims. (Cl. 35—3.)



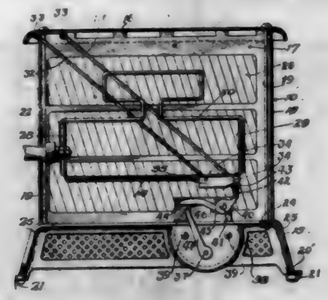
1. In an apparatus of the class described, the combination of a support, a shaft mounted for rotation on the support, a terrestrial globe rigidly connected with the shaft and having its polar axis in longitudinal alinement with the shaft, a disk mounted against rotation with the shaft passing through the axis of the disk, said disk having a dial plate provided with a series of numerals representing the hours of the day, a bracket arm projecting laterally from the support and provided with axles at its opposite ends, flanged drums rigidly mounted for rotation on the axles, a flanged drum rigidly connected with the shaft and mounted for rotation therewith located adjacent the dial plate, an endless band supported by the first mentioned drum and having a portion coiled about the drum on the shaft, said tape having its outer face divided into sections representing the days of the week, with each section equal in length to the circumference of the drum on the shaft whereby a complete rotation of the drum will cause to be advanced one section of the band.

1,543,068. BLOCK MACHINE. CHARLES M. EBERLING, Cleveland, Ohio. Filed Apr. 5, 1923. Serial No. 630,029. 12 Claims. (Cl. 25—45.)



1. A block machine comprising a mold comprising a compacting end, a core, and means independent of said end for withdrawing said core as said end advances.

1,543,069. AUTOMATIC TOASTER. CHARLES S. ELLIS, Chicago, Ill. Filed Apr. 5, 1924. Serial No. 704,342. 10 Claims. (Cl. 53—5.)



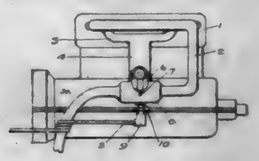
10. A toaster comprising a frame having opposed toaster units and having an opening for the passage of a carrier to toasting position between the units and away from said position, a carrier to support a toast slice edgewise in both toasting and nontoasting position, and hanger rods pivoted to said frame and to said carrier on which the carrier is carried into and out of toasting position.

1,543,070. ROLLER SKATE. GEORGE J. ERTL, Chicago, Ill., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 17, 1924. Serial No. 707,072. 12 Claims. (Cl. 208—179.)



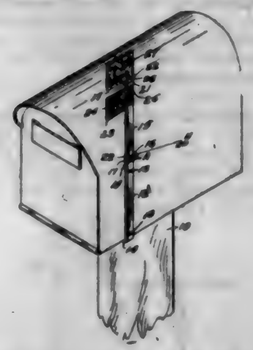
1. A roller skate comprising, in combination, separately formed forward and rear sections, provided respectively with rollers, an intermediate connecting section for connecting said forward and rear sections without capacity for relative movement, and means for rigidly but removably uniting the forward and rear sections with the connecting section whereby, through substitution of a longer or shorter connecting section, the skate may be fitted to feet of different lengths.

1,543,071. METHOD AND MEANS FOR VAPORIZING FUEL IN INTERNAL-COMBUSTION ENGINES. GEORGE LAWRENCE ERTS, Los Angeles, Calif. Filed Nov. 14, 1921, Serial No. 514,994. Renewed Jan. 12, 1925. 9 Claims. (Cl. 123—133.)



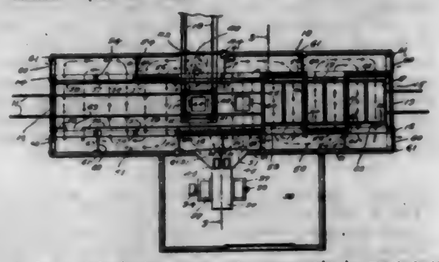
1. The method of forming a vaporous mixture for an internal combustion engine which consists in mixing liquid fuel with air, segregating unvaporized portions of the fuel, vaporizing said portions by passing therethrough a heated gas and carbureted air and then mixing the vaporized portions again with said first mentioned air.

1,543,072. MAIL-BOX FLAG. HARRIET E. FENNER, Des Moines, Iowa. Filed Aug. 7, 1924. Serial No. 730,750. 1 Claim. (Cl. 232—34.)



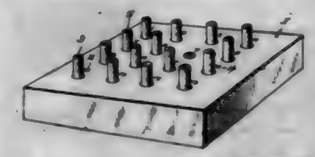
The combination of a mail box with a flag staff hingedly supported thereon to stand in upright position or to swing down to position alongside the mail box, a flag at the outer end of said staff, a second flag staff hingedly connected beyond the first flag to the staff thereof, a flag on the second staff, the hinges being arranged to fold in opposite directions and to permit the flags to be arranged one above the other or to be folded to positions side by side.

1,543,073. DEHYDRATOR. CARL W. FIELD, Healdsburg, Calif. Filed Sept. 27, 1923. Serial No. 665,208. 18 Claims. (Cl. 34—46.)



1. In a dehydrator, means to cause air to pass over the material and substantially in a horizontal direction, means to carry the material, and means to form a return passage for the air to the first mentioned means under the entire length of said means to carry the material.

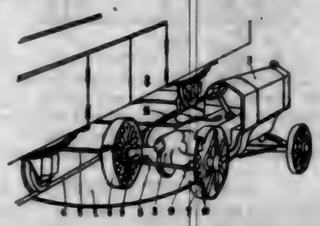
1,543,074. GAME APPARATUS. DONALD FOREMAN, Portland, Oreg. Filed Mar. 25, 1924. Serial No. 701,727. 2 Claims. (Cl. 273—136.)



2. A game apparatus comprising a polygonal-shaped base provided on its upper face with four transversely extending spaced rows of spaced shallow sockets, each row consisting of four sockets, the sockets of one row arranged in alignment with respect to the sockets of an adjacent row, means on the upper face of said base in proximity to each of the sockets of each row to consecutively designate the sockets of the row, the designations for the sockets of one row being different from the designations

for the sockets of an adjacent row, a set of removable socket entering pins, said set of a number less one than the combined number of sockets of the four rows, each of said pins of a height greater than the depth of any one of the sockets and having a flat top, and means on the top of each of said pins to provide a numerical designation therefor, the designation on each of said pins being different and corresponding to a designation of a socket, each of said sockets being circular, and each of said pins being cylindrical and of the same diameter throughout and of a diameter with respect to each socket to provide for the loose seating of a pin in a socket, thereby providing for the convenient entry and removal of the pins.

1,543,075. SYSTEM OF OPERATING TURNTABLES BY MEANS OF TRACTORS. GUIDO FORNACA, Turin, Italy. Filed July 18, 1924. Serial No. 726,850. 2 Claims. (Cl. 104—36.)



1. A system of operating turntables for shunting railway wagons, by means of a tractor, in which the tractor (after it has hauled a wagon on to the turntable) is stopped with the wheels at one side on the table and the wheels at the other side off the table, the driving wheel on the table being thereafter locked, so that when the tractor is again started only the outside driving wheel rotates compelling the table to turn while the tractor remains always in position at the side of the wagon ready to move the latter from the table in the required direction.

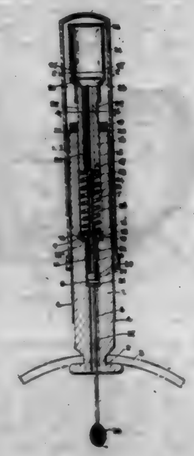
1,543,076. FASTENER DEVICE. LESTER E. FULFORD, Edgewood, R. I., assignor to Fulford Mfg. Co., Providence, R. I., a Corporation of Rhode Island. Filed Sept. 11, 1924. Serial No. 737,089. 1 Claim. (Cl. 24—216.)



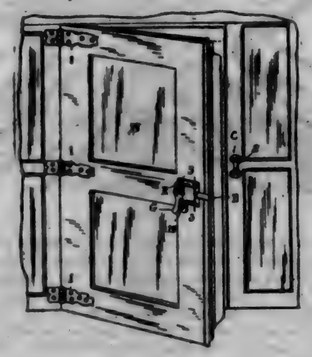
A socket member of a fastening device comprising an anvil member having a central opening through both its inner and outer walls, the opening through the inner wall being greater than that through the outer wall, a socket element closely fitted to and guided by the edge of the opening through the inner wall and engaging the inner surface of the wall of the opening through the outer wall and spread thereby in being forced to operating position to lock said element in engagement with said anvil.

1,543,077. COMBINED SAFETY VALVE AND SIGNAL FOR PNEUMATIC TIRES. JOHN HAMILTON GALL and GUS SWANSON, Marshfield, Oreg. Filed Oct. 3, 1922. Serial No. 592,124. 2 Claims. (Cl. 116—34.)

1. A device of the character described comprising a tubular body adapted at one end for attachment to a pneumatic tube or tire, outwardly opening normally closed spring pressed valve means therein for controlling the bore of the tubular body, signal means adapted to be operated by pressure fluid escaping from the tube or tire through the tubular body, and means extending from the tubular body into the pneumatic tube or tire and adapted to be actuated upon a partial collapse of the walls of the latter to move the valve means from closing position, said last named means comprising a stem movable longitudinally in the bore of the tubular body, a plunger head at the end of the stem adjacent to the valve means but separate therefrom and a bumper head at the end of the rod disposed within tube or tire, said bumper head being made of a soft compressible material and being adapted to be drawn through the bore of the tubular body when compressed.



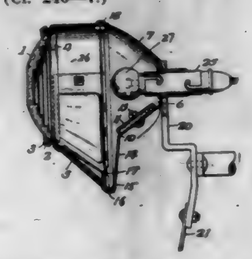
1,543,078. LATCH FOR REFRIGERATOR DOORS AND THE LIKE. JOHN EDWARD GLOSKLER, Pittsburgh, Pa. Filed Oct. 12, 1922. Serial No. 668,100. 7 Claims. (Cl. 292—92.)



1. In a latch for refrigerator doors and the like, the combination with a keeper mounted on the door jamb, of a latch mechanism mounted on the door and comprising an inclosing casing, a latch-bar mounted in said casing to swing on a horizontal axis and its front and protruding end when depressed engaging said keeper, a vertically disposed helical spring in said casing with its lower end bearing on the front end of said latch bar,

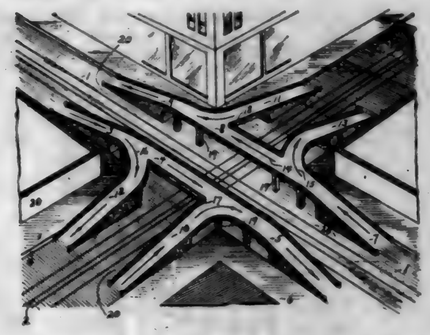
the top of said casing being provided with a threaded hole, and a bearing nut screwed in said hole and having its lower end bearing on the upper end of said spring, whereby the power of said spring may be regulated by adjusting said nut.

1,543,079. COMBINATION TAIL LAMP. CHARLES E. GODLEY, Detroit, Mich., assignor to Edmunds & Jones Corporation, Detroit, Mich., a Corporation of New York. Filed Mar. 14, 1924. Serial No. 699,104. 7 Claims. (Cl. 240—7.)



1. A tail lamp for vehicles, comprising a casing including a rearwardly flaring front portion having a frontal opening and a bottom aperture, and including a forwardly flaring back portion adjoined to the front portion and provided on its interior with reflecting surfaces and having a bottom opening; a lens closing said frontal opening, transparent closures for the bottom aperture and the said bottom opening; and a light bulb mounted in the casing and having its filament disposed within the forwardly flaring back portion and above the said bottom opening.

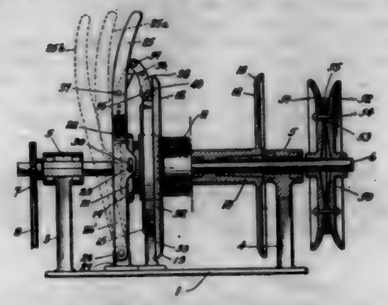
1,543,080. STREET-TRAFFIC SYSTEM. HENRY W. GRAVES, Chicago, Ill., assignor of one-half to John F. Goode, Chicago, Ill. Filed Aug. 25, 1924. Serial No. 733,904. 9 Claims. (Cl. 104—124.)



3. In a street crossing, right-hand turnouts respectively disposed adjacent to the four corners of the street intersection, each turnout comprising an elevated medial portion and a pair of inclined driveways connecting the said medial portion respectively with the two intersecting streets, the parts of each medial portion outside the building lines adjacent thereto being sufficiently elevated to permit the free passage of pedestrians under the same.

1,543,081. FISHING DEVICE. HANS P. HANSEN, Ketchikan, Territory of Alaska. Filed Feb. 23, 1924. Serial No. 694,604. 1 Claim. (Cl. 192—17.)

A device of the class described comprising a mounting base, standards on said base, a shaft rotatable in the standards, a reel rotatable on the shaft, a clutch plate on the end of the reel, a brake drum on the reel, a pair of brake bands supported from the base and extended about the brake drum and having cam shoes at their ends, a clutch head slidably keyed to the shaft, a lever pivotally fixed to the base and operably connected to said



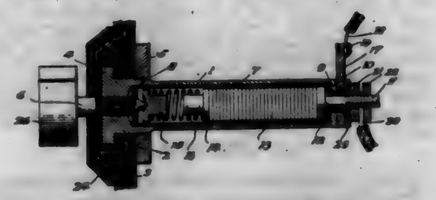
clutch head to shift it into and from driving connection with the clutch plate on the reel, and a toggle mechanism connected with the lever and said cam shoes whereby the brake may be set when the lever is shifted to move the clutch head to its outer released position.

1,543,082. BOAT-CONTROL DEVICE. BERTRON G. HARLEY, North Tonawanda, N. Y., assignor to Albert L. Ellsworth, Toronto, Canada. Filed Mar. 31, 1923. Serial No. 629,084. 3 Claims. (Cl. 115—41.)



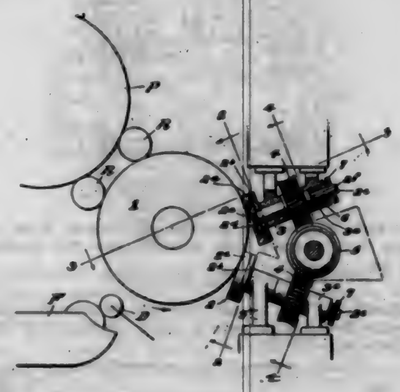
1. A boat control device, comprising, the combination with a hull having an arched recess in its bottom, a plate curved to correspond to the curvature of said recess and having forwardly extending side members pivotally supported in the sides of the recess, and means for swinging said members on their pivots to move said plate downwardy to project into the water below the hull and to lift it clear.

1,543,083. CARBON-PILE RHEOSTAT. HARRY B. MARSHALL, St. Louis, Mo. Filed Feb. 4, 1924. Serial No. 690,428. 12 Claims. (Cl. 201—51.)



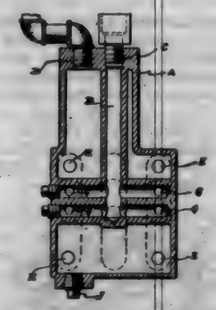
1. A rheostat comprising a pile of resistance elements, a screw in axial alinement with the pile, a compression spring operatively interposed between the screw and the pile, and means operating through the bore of the spring for limiting the compressing of the spring by the screw.

1,543,084. INKING MECHANISM FOR PRINTING PRESSES. ISAAC C. SQUIER, North Plainfield, N. J. Filed Feb. 14, 1922. Serial No. 536,410. 24 Claims. (Cl. 101—347.)



1. In inking mechanism; the combination of a cylindrical distributing surface rotating on a fixed axis, and a plurality of series of rotatable distributing members cooperating with such surface; each series extending longitudinally thereof.

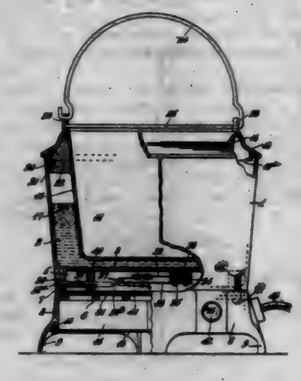
1,543,085. MOLD CLEANING, HEATING, AND LAMP-BLACKING DEVICE. ALEXANDER ANDERSON, Detroit, Mich., assignor to Earl Holley, Detroit, Mich. Filed Mar. 28, 1924. Serial No. 703,981. 3 Claims. (Cl. 22—88.)



1. In a combined lampblack burner, cleaner and heater, a passage for the admission of lampblacking depositing gas, a separate chamber for the admission of heating and cleaning gases, burners for the heating and cleaning gases, separate burners for the lampblacking gas.

1,543,086. GLUE POT. CHRISTIAN F. BARBER, Cleveland, Ohio, assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio, a Corporation of Ohio. Filed Feb. 23, 1923. Serial No. 620,741. 10 Claims. (Cl. 126—345.)

1. A glue pot structure, comprising a container, a heating element, and a detachable base for supporting said container and said heating element, said base being provided with means for yieldingly pressing said heating element into heat conducting engagement with the bottom of said container.



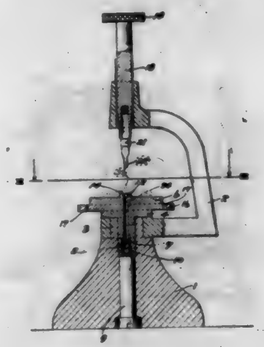
6. A glue pot structure, comprising a container, a base removably secured therto, a heating element, a thermostatic control located between said container and said base, and regulating means for said thermostatic control accessible from a point outside the side wall of said structure and adjacent the line of separation of said container and said base.

1,543,087. WELL PUMP. JOHN A. BAKER, Los Angeles, Calif. Filed Mar. 24, 1923. Serial No. 627,298. 16 Claims. (Cl. 103—225.)



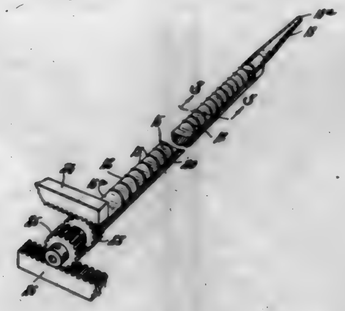
1. In a pump plunger adapted to be reciprocated through a barrel, an internal plunger body having a pump rod connection at its upper end, a non-expansible surrounding liner for the plunger having frictional engagement with the barrel and being supported on the the plunger body at its lower end, said liner being of relatively easy fit and movable longitudinally on the body, and means at the upper end of the plunger body to limit upward movement of the liner on the body.

1,543,088. BALANCE-WHEEL SUPPORT. BLAND H. BALLARD, Berkeley, Calif., assignor of one-half to George W. Schofield, San Francisco, Calif. Filed May 13, 1924. Serial No. 713,063. 8 Claims. (Cl. 29—89.)



1. Means for mounting a balance wheel having a rim split into sections comprising a support for the balance wheel having flanges extending into the splits for preventing relative movement of the sections.

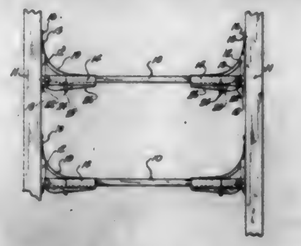
1,543,089. PICKER STEM. JOSEPH BARDWELL and HARRIS G. PROUTY, Whitman, Mass. Filed June 17, 1924. Serial No. 720,550. 3 Claims. (Cl. 56—50.)



1. A picker stem comprising an elongated rod having a tapered nose portion, a substantially semi-cylindrical side, and a substantially flat side extending inward from the inner end of the nose portion; and a plurality of separately formed arcuate pointed hooks overhanging the flat side, and provided with arcuate shanks, the semi-cylindrical side of the rod including spaced apart arcuate ridges alternating with arcuate grooves in which the arcuate shanks are secured, said ridges and shanks forming a substantially semi-cylindrical runner portion of the stem.

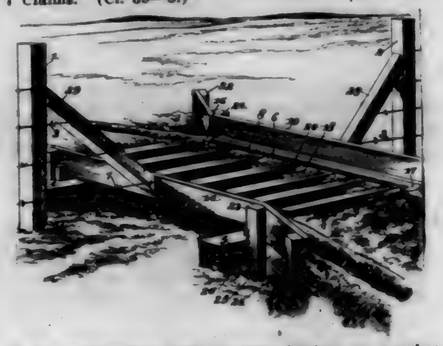
1,543,090. CONCRETE FORM. ALFRED E. BAUMANN, Milwaukee, Wis. Filed Aug. 1, 1924. Serial No. 729,521. 6 Claims. (Cl. 25—118.)

1. A corner form for concrete stairways comprising a concrete retaining angle bracket having a portion for receiving the end of a riser form member in laterally removable clamping engagement and another portion for attachment to the inner face of an inclined



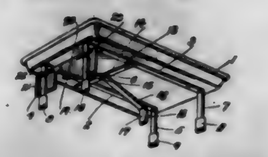
side form member and adapted for removal from and along said inclined side member after the concrete has set.

1,543,091. STILE. JOSEPH THOMAS BERTHELOTE, Goldbutte, Mont. Filed Apr. 16, 1924. Serial No. 707,006. 7 Claims. (Cl. 39—5.)



1. In combination with a fence having an opening, a stile situated in said opening having grooved side timbers providing fixed tracks for the wheels of a vehicle, and means fixed in position upon and between tracks preventing an animal from walking through.

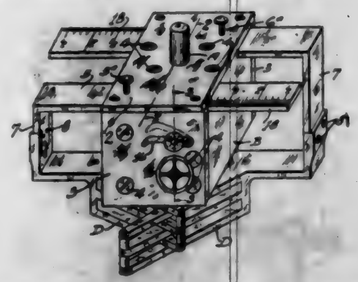
1,543,092. PORTABLE SERVITOR. HARRY A. BEYNON, Kansas City, Mo. Filed June 20, 1924. Serial No. 721,224. 6 Claims. (Cl. 45—51.)



1. A servitor comprising a top, a frame supporting the top having legs, a centrally located pivoted brace carried by the frame, the brace being provided with an arm, and a transverse slide having offset shoulders movable into and out of line with the arm to change the angle position of the brace.

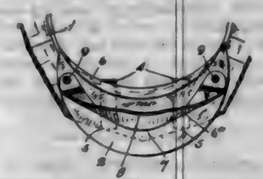
1,543,093. CENTER AND ECCENTRIC MARKING DEVICE. JOHN ADAM BICKL, St. Louis, Mo. Filed Apr. 21, 1924. Serial No. 707,958. 5 Claims. (Cl. 33—191.)

1. A device for the purpose described, comprising a body portion, a reciprocating marking element carried by said body portion, a pair of slides arranged in said body portion in parallel relation, opposed locating elements on said slides that are adapted to engage the object to be marked, a manually-operable rack and pinion mechanism for simultaneously moving said slides in opposite directions to separate said locating elements and



for thereafter moving said slides simultaneously in opposite directions to close said locating elements, and means whereby one of said slides can be disengaged from said rack and pinion mechanism and moved manually to change the position of the locating element thereon relatively to the other locating element.

1,543,094. CAP WITH EYESHADE. HARRY BLECKER and SAMUEL K. KRAFF, Reading, Pa. Filed July 21, 1924. Serial No. 727,199. 2 Claims. (Cl. 2—10.)



1. In combination with a cap having a vizor provided with spaced fastening elements arranged on the underside thereof near the ends of said vizor, a detachable eyeshield formed of approximately flat substantially stiff sheet material having fastening elements arranged near the inner edge and ends of the shield and spaced a greater distance apart than the fastening elements of the vizor and connected to the fastening elements of the vizor, so as to cause determined outward bowing of the applied shield.

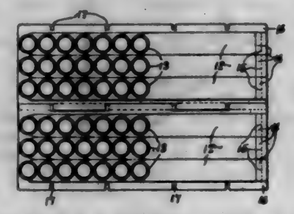
1,543,095. SPRING BOTTOM. CHARLES D. BROUYETTE, Topeka, Kans. Filed Oct. 3, 1923. Serial No. 666,335. 6 Claims. (Cl. 5—270.)



1. In a spring bottom, a plurality of coiled springs, means for securing the bottom portions of the springs in spaced relation to maintain the springs in rows, and tying-in members, each tying-in member comprising a strand bent to provide a spring seat, a loop and a hook at one end, the other end of each strand being coiled to engage the top convolute of a spring, the coil terminating in a right angular arm having a loop receiving seat and a transverse hooked end, the transverse hooked end of each member passing through the loop of a complementary member and interlocking with the top convolute of a spring, the loop of each member being receivable in the seat of the complementary member, the spring seat and first named hook of each member engaging one of the coil springs.

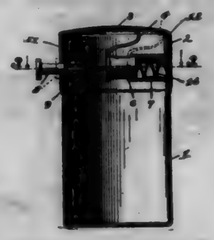
6. A locking member for spring bottoms comprising a strand having bent portions to provide a spring engaging seat, one end being hook shaped, the strand having an open transverse loop between the hook and the spring seat, the opposite end of the strand being coiled, the coil terminating in a right angular projection having a bend to form a notch, the extremity of the bend terminating in a hook.

1,543,096. ARTICLE FOR MAKING CIGARETTES. CHARLES H. CAMPBELL, Springfield, Ohio. Filed June 26, 1924. Serial No. 722,617. 4 Claims. (Cl. 131—59.)



1. An article of manufacture comprising a wrapper for cigarettes having an expansible body and a relatively short inexpansible mouth piece.

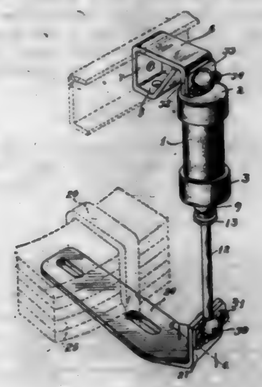
1,543,097. DISPENSING CONTAINER. FREDERICK F. CANTON, San Rafael, Calif. Filed Feb. 4, 1924. Serial No. 690,541. 1 Claim. (Cl. 221—62.)



A dispensing container comprising a body; a cap detachably connected to the body, said cap having a centrally disposed dispensing aperture; a transversely disposed cylindrical guide secured within the cap; a plunger mounted within the guide; a closing element connected to the plunger and arranged to engage the inner surface of the can to close the dispensing aperture; an actuating member extending outwardly through the side of the cap; and a link connecting the actuating member and the plunger, said link being formed from two strands of wire having their adjacent ends twisted together to form threads adapted for screwing into the plunger at one end and into the actuating member at the opposite

end, the intermediate portions of said strands being spread apart out of alignment with the dispensing aperture to avoiding causing an obstruction to the passage of substance therethrough when the plunger and closing element are moved to the open position.

1,543,098. SHOCK ABSORBER FOR AUTOMOBILES. NICHOLAS CARTER and MILAN KRIVOKUCHA, Chicago, Ill. Filed July 16, 1924. Serial No. 726,253. 4 Claims. (Cl. 188—88.)



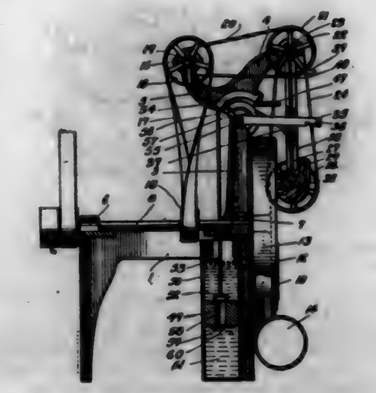
1. A shock absorber comprising a cylinder partly filled with a liquid, a piston having a head slidable in the cylinder and a stem extending slidably through one head of the cylinder, the piston head having a continuously open port extending through it and also a relatively larger port extending through it, and a check valve disposed for opening and closing the said larger port according as the piston is moving in one direction or the other, the check valve comprising a flexible flap having one face adapted to bear against one face of the piston head, the flap being adapted to be flexed away from the said face by the flow of liquid through the said larger port, and a stiffening member engaging a part of the flap to limit the flexing of the flap.

1,543,099. METHOD OF MANUFACTURING STITCH-DOWN SHOES. WILLIAM H. COWELL, Winthrop, Mass. Filed Apr. 10, 1924. Serial No. 705,490. 3 Claims. (Cl. 12—142.)



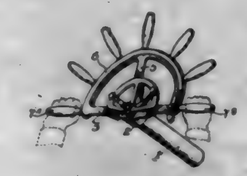
1. The improvement in the method of manufacturing stitch-down shoes which consists in first preparing a unit comprising a sole having a box toe or stiffener attached to the forepart thereof, then applying the unit thus prepared to a last by inserting the toe of the last within the said box toe, then making fast the heel part of the sole to the last, and then applying the upper and performing the lasting and remaining operations.

1,543,100. WOOD-FEATHERING MACHINE. WILLIAM D. CRAIG, Kansas City, Mo. Filed Dec. 5, 1923. Serial No. 678,658. 2 Claims. (Cl. 144—185.)



1. In a machine of the class described, a frame, a rotatable disk carried by the frame having knives radially disposed therein, standards on the frame, a shaft carried by the standards, segments on the shaft, a swinging work holding carriage movable toward and away from the disk, a dash pot, a piston in the dash pot, a flexible connection between the piston and on one of the segments and a flexible connection between the carriage and the other segment and means for causing rotative movement of the work.

1,543,101. STEERING WHEEL. FRED T. CRICHTON, Chicago, Ill., assignor of forty-nine one-hundredths to Grace T. Crichton. Filed June 25, 1924. Serial No. 722,254. 5 Claims. (Cl. 74—33.)

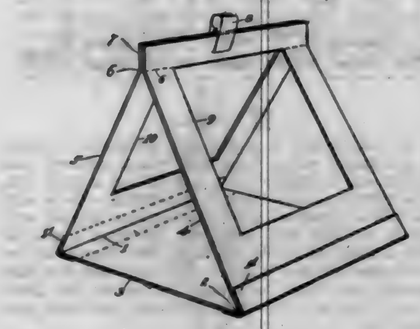


1. The combination with the steering post of a self-propelling vehicle, of a steering wheel fast upon the post; the said wheel comprising a substantially semi-circular rim having its diametric side parallel to the driver's seat, and its arcuate portion forwardly directed when the steering post is disposed for directing the vehicle straight ahead, and a plurality of uniformly spaced handles projecting radially outward from the said arcuate rim portion in a plane transverse of the axis of the steering post, the diametric side of the rim being formed by two spokes of the wheel.

1,543,102. DISPLAY RACK. NATHAN I. FLEISCHER, Cincinnati, Ohio. Filed Sept. 2, 1922. Serial No. 585,892. 3 Claims. (Cl. 211—24.)

1. A display rack comprising base and side sections arranged to form a triangle, said side sections being

provided with registering openings through which the sides of a roll of merchandise resting on said base may



extend so as to permit said roll to rotate in said rack for the removal of said merchandise.

1,543,103. BED COUCH. JOSEPH M. HEALE, Toronto, Ontario, Canada. Filed Jan. 8, 1923. Serial No. 610,487. 5 Claims. (Cl. 5—13.)

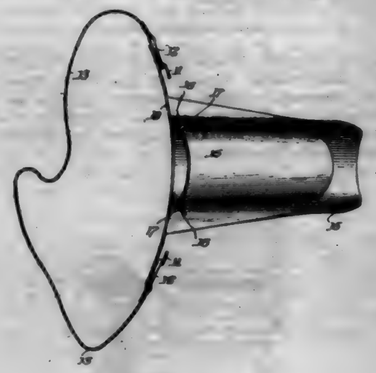


1. In a bed couch, the combination with the couch frame, of a section secured to a fixed pivot and suspended at the rear of the frame, a section pivotally connected to the lower end of thee rear section, leg supports pivotally connected to said second section and secured to a fixed pivot at the forward side of the frame, a third section pivotally connected to the second section, an outer section pivotally connected to the third section and adapted to form a support for the couch seat, and link connections joining the outer and third sections with the pivotal leg supports below their point of connection to the second section to rigidly support the intermediate sections when in their extended position and to operate in the folding action of the bed.

5. In a bed couch, the combination with a plurality of hinged sections and a leg support rigid with the outer section, of a back pivotally connected to said leg support, a member slidably supported on said back and adapted to move either side of the pivot, and a coil spring connected to said slidable member to hold the back in tilted positions.

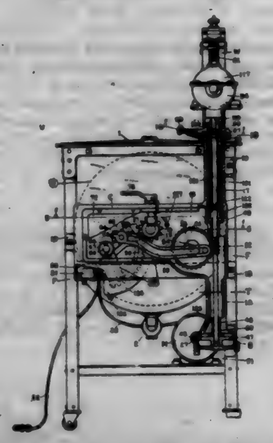
1,543,104. COLOSTOMY APPLIANCE. CHARLES A. HOAG, De Kalb, Ill. Filed July 18, 1924. Serial No. 726,712. 1 Claim. (Cl. 128—283.)

In a device of the class described, the combination of a rigid plate curved to correspond substantially to the curvature of the abdomen of the wearer and provided with a notch in its upper edge, a rigid, open top spout fixed to the plate beneath said notch, and projecting at substantially a right angle from the plate, a cover



for said spout having a removable hinge connection therewith, and means on the plate by which said plate may be secured against the body of the wearer.

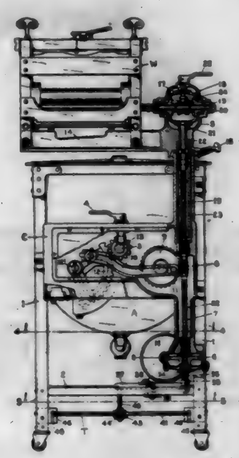
1,543,105. OPERATING GEARING FOR WASHING MACHINES. WINTHROP E. HOWE, Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y., a Corporation of New York. Filed Nov. 12, 1919. Serial No. 337,525. 24 Claims. (Cl. 74—50.)



1. In a combined power operated washing machine and wringer, a rectangular supporting frame comprising legs and cross braces, a box-like oil-tight casing with a removable cover extending across one side of said frame and fastened thereto at three points, a stuffing-box in the back wall of said casing, a load shaft extending through said stuffing-box and adapted to be connected to the washing element, manually operable means for sliding the load shaft back and forth, said casing having a hollow extension integral therewith which extends down from the casing near one corner of the supporting frame, a vertical drive shaft in said extension, a second stuffing-box at the lower end of said extension, a horizontal power shaft extending through said last named stuffing-box into the lower end of said extension, worm

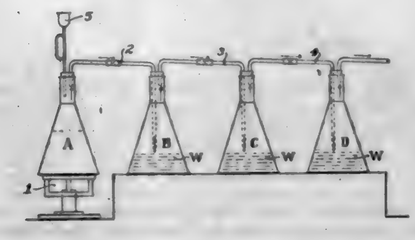
gearing between the power shaft and the drive shaft, operating mechanism in said casing for alternately rotating said load shaft, and a worm on said drive shaft for driving said mechanism.

1,543,106. SAFETY WRINGER CONTROL FOR WASHING MACHINES. WINTHROP K. HOWE, Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y., a Corporation of New York. Filed Nov. 12, 1919. Serial No. 337,526. 2 Claims. (Cl. 74—101.)



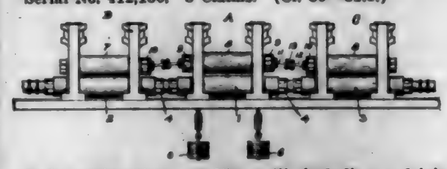
1. In a combined power operated washing machine and wringer, the combination with a wringer and normally inactive driving means therefor, of a foot controlled member extending on all sides of the machine and supported on a single pivot for controlling said driving means, said foot controlled member as it is operated and released automatically rendering said driving means active and inactive respectively.

1,543,107. WEED-DESTROYING COMPOSITION AND PROCESS OF PRODUCING THE SAME. HUGH EDWARD HUGHES, Berkeley, Calif., assignor, by direct and mesne assignments, to The Weed Control Company of California, Berkeley, Calif., a Corporation of California. Filed Aug. 26, 1924. Serial No. 734,200. 3 Claims. (Cl. 252—1.)



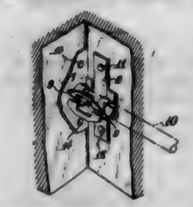
1. A composition for the described purpose comprising sulfuric acid, hydrochloric acid, arsenic, saltpeter, solution water, and water charged with the condensed distilled vapors of the mixture of said acids, arsenic and saltpeter.

1,543,108. ROLLING MILL. LORENZ IVERSEN, Pittsburgh, Pa., assignor to Mesta Machine Company, a Corporation of Pennsylvania. Filed Sept. 23, 1920. Serial No. 412,150. 3 Claims. (Cl. 80—31.1.)



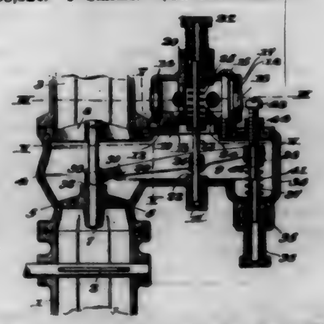
3. In combination, a rolling mill, including a driving roll, a balanced roll, a jump mill located adjacent said first mill and including a driving roll and a jump roll, an operative connection between the driving rolls of said mills, and a universal driving connection between said balanced roll and said jump roll, including a friction clutch, adapted to render the jump roll effective as the driving agent of said balanced roll when said first mill is empty, but which is adapted to render the jump roll ineffective as a driving agent when said first mill is working.

1,543,109. CLIP BRACKET FOR CURTAIN RODS. SAMUEL M. KASS, Philadelphia, Pa. Filed Sept. 1, 1921. Serial No. 497,632. 2 Claims. (Cl. 156—22.)



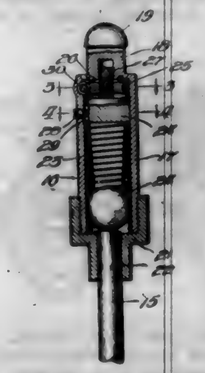
1. A bracket having two sides at right angles to each other, one supporting the curtain rod and the other forming an abutment, for the end of the rod, in combination with spring clips integral with the curtain rod holding side, the clips having spaced spring portions, connecting members and a hollow center, and holding means for securing the member to a wall, balanced with respect to the spaced spring portions, corresponding in width with the opening between the spring portions and cut therefrom.

1,543,110. AUXILIARY AIR VALVE. WILLIAM HENRY KITTO, Jr., Detroit, Mich. Filed Nov. 5, 1919. Serial No. 335,824. 9 Claims. (Cl. 123—124.)



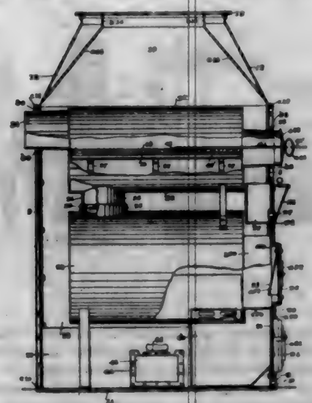
1. An auxiliary air inlet device for the intake manifold of an internal combustion engine, comprising a valve body having a side extension, a valve adapted to admit air to the side extension of said valve body, a lever adapted to open said valve, means in said valve body actuated by fluid passing therethrough adapted to effect said lever to open said valve, and means carried by the side extension of said valve body adapted to be adjusted to change the leverage of said valve lever.

1,543,111. VALVE TAPPET AND THE LIKE FOR INTERNAL-COMBUSTION ENGINES. RALEIGH I. KLIPSTEIN, Des Plaines, Ill. Filed July 25, 1924. Serial No. 728,125. 2 Claims. (Cl. 123—90.)



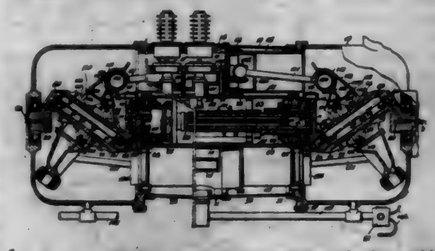
1. As a new article of manufacture, a device for the purpose specified including a cylindrical member having a downwardly extending guide sleeve at its lower end for the accommodation of the upper end of a tappet rod, a ball within said member adapted to receive the thrusts of the upper end of said rod, an adjustment block within said cylindrical member above the ball, a spring between the adjustment block and ball, a threaded stem on the upper end of the adjustment block, a worm gear threaded on said stem, a ball bearing between said worm gear and the upper end of the cylindrical member, a worm extending across the cylindrical member and engaging the worm gear, whereby the position of the adjustment block may be varied by the adjustment of the worm, means for locking the adjustment block in adjusted position, and a hemispherical head on the upper end of the member, substantially as described.

1,543,112. HEATING FURNACE. JOSEPH M. LAUBE, Bellingham, Wash. Filed Oct. 30, 1922. Serial No. 597,929. 2 Claims. (Cl. 126—99.)



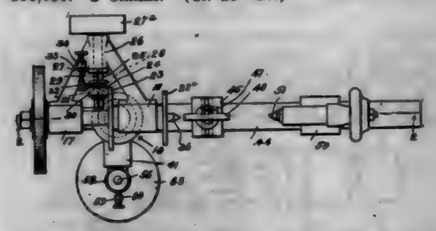
1. In a heating furnace in combination, a combustion chamber, a radiator chamber above said combustion chamber the lower rear part of which has flue connection with said combustion chamber and the rear upper part of which has flue connection with a smoke pipe and having a clean-out opening in its front wall, a removable cap having a small hole therethrough over said clean-out opening, two damper slideways removably mounted on the interior walls of said radiator to extend in slideway relation from the front to the rear thereof and located midway between the bottom and top thereof and adapted for installation and removal through said clean-out opening, a damper shorter than said radiator mounted therein for reciprocation on said damper slideways and adapted to pass through said clean-out opening for installation and removal, and a damper rod connected to said damper and mounted for reciprocation in said hole in said clean-out-opening cap.

1,543,113. ENGINE-LUBRICATION SYSTEM. ALBERTO LLEO and CLAUDIO BARADAT, Barcelona, Spain; said Baradat assignor to said Lleo. Original application filed Jan. 5, 1920, Serial N. 349,652. Patent No. 1,479,918, dated Jan. 8, 1924. Divided and this application filed Jan. 15, 1921. Serial No. 437,484. 14 Claims. (Cl. 184—6.)



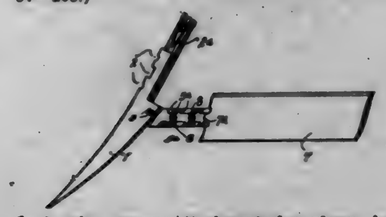
1. In an internal combustion engine of the wabble plate type, a driven shaft including a central straight portion, angularly disposed portions at opposite ends thereof and straight end portions aligned with the central portion, said central and inclined portions being hollow separate means for closing the ends of the same to form oil compartments therein, intercommunicating means providing for fluid communication between the compartments so that the lubricant will flow from one into another and means for feeding the lubricant through one of the end portions to supply the oil compartment in the adjacent inclined portion of the shaft, wabble plate mountings on said inclined portions of the shaft, said portions provided with vents for supplying the mountings thereon with lubricant from the interior thereof.

1,543,114. MACHINE TOOL. CHARLES E. H. LLOYD, Los Angeles, Calif. Filed Sept. 23, 1922. Serial No. 590,050. 2 Claims. (Cl. 29—27.)



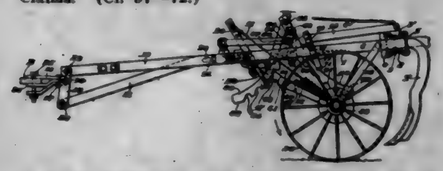
1. A machine tool, comprising a standard, a shaft mounted on said standard, means for frictionally driving said shaft, a friction disk adapted to be detachably secured to said shaft, and a plurality of radially disposed arms pivotally mounted on said standard adapted to support tool units, whereby any one of said tool units may be swung into or out of operative engagement with said friction disk.

1,543,115. LONG-SWEEP ATTACHMENT FOR CULTIVATORS. JOSEPH B. LONG, Cleburne, Tex. Filed Sept. 2, 1924. Serial No. 735,297. 3 Claims. (Cl. 97—205.)



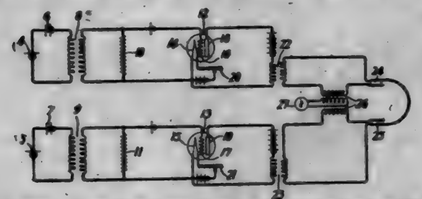
1. A wing sweep attachment for plows, having in combination with a plow share, a pair of inwardly curved members in limited pivotal attachment to each rear upper side of the plow share, a plurality of spaced apertures cut through each of said members, said apertures adapted to receive wing sweep shafts, and projections arranged on the members to hold the wing sweeps at the desired angular adjustment, and set screws adapted to be tightened upon the wing sweep snafts to hold them within the apertures of the members.

1,543,116. POWER-LIFT AGRICULTURAL IMPLEMENT. JOSEPH MADER, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc., a Corporation of Pennsylvania. Filed Sept. 14, 1922. Serial No. 588,119. 13 Claims. (Cl. 97—72.)



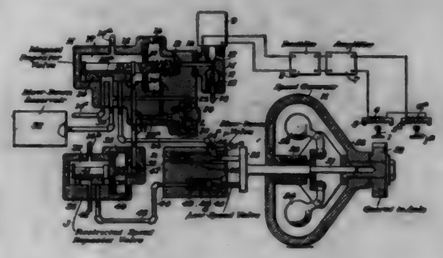
1. In an implement of the class described, the combination of a normally substantially horizontally disposed tool carrying frame, an axle disposed beneath the frame and having arms extending to and movably connected with the frame, a pair of ground wheels freely rotatable on the axle, a lantern wheel secured to each wheel, a lifting arm horizontally pivoted above the frame in alignment with each lantern wheel and having a plurality of notches adapted to cooperate therewith, means for moving said arms from a position out of engagement with said wheels to a position in engagement therewith, and toggle members extending between the axle and the frame operative to maintain said frame in raised position after it has been lifted from normal position by coaction of said lifting arms and said lantern wheels.

1,543,117. ACOUSTICAL AID FOR DEAF PERSONS. JOSEPH P. MAXFIELD, Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 28, 1921. Serial No. 503,771. 4 Claims. (Cl. 179—107.)



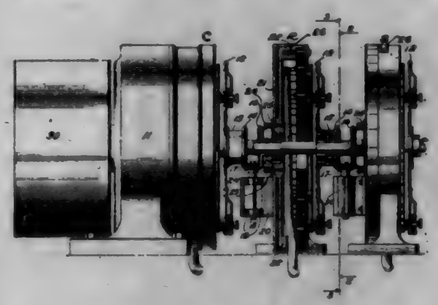
1. The method of improving the hearing of a deaf person, which consists in generating continuous vibrations, applying said vibrations to the patient simultaneously with the sound vibrations to be heard, and adjusting the frequency of the continuously generated vibrations to suit the individual case.

1,543,118. RAILWAY-TRAFFIC-CONTROLLING APPARATUS. FRANK H. NICHOLSON, Philadelphia, Pa., assignor to The Union Switch & Signal Company, Swissvale, Pa., a Corporation of Pennsylvania. Filed Aug. 28, 1924. Serial No. 734,714. 2 Claims. (Cl. 246—63.)



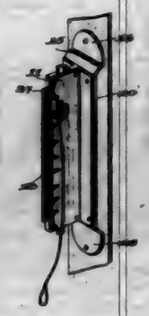
1. Railway traffic controlling apparatus comprising apparatus on a train arranged when released to change from an initial condition to an ultimate condition in a time interval which decreases as the speed of the train increases, means partially on the train and partially in the trackway for continually keeping said apparatus in its initial condition under safe traffic conditions but for releasing said apparatus under dangerous traffic conditions, brake applying mechanism set into operation when said apparatus reaches its ultimate condition, a portion of track containing a permanent hazard and not equipped with trackway apparatus for keeping said apparatus continually in its initial condition, and devices in such portion of track for restoring said apparatus to its initial condition at intervals but so arranged that if the speed of the train exceeds a safe maximum the apparatus will reach its ultimate condition.

1,543,119. DISTRIBUTING APPARATUS. HARRY PFANNENSTIEHL, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 1, 1920. Serial No. 420,908. 10 Claims. (Cl. 178—58.)



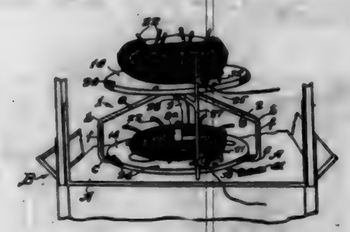
1. A distributing apparatus comprising a distributor face, conducting rings and segments carried by said face, a rotatable brush arm, brushes supported by said arm and adapted to sweep over said conducting rings and segments, means for rotating said brush arm at a definite predetermined speed, and manual means for orientating the brush arm in either direction while rotating.

1,543,120. FISHHOOK HOLDER. MATHIAS RABER and JOHN H. CUMMINGS, Bend, Oreg. Filed Jan. 14, 1925. Serial No. 2,843. 10 Claims. (Cl. 43—32.)



1. A fish hook holder comprising a movable member having a plurality of hook receiving openings, and means whereby with a limited movement of said member said hooks will be bound against removal from said openings.

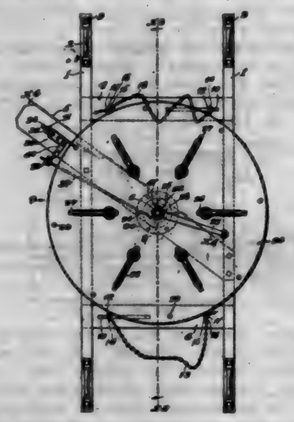
1,543,121. DOUBLE-DECK COMBINED TAKE-UP AND PAY-OUT WIRE REEL. ALVA E. RAVENSCROFT, Los Angeles, Calif., assignor to C. R. Kieruiff & Co., Los Angeles, Calif., a Copartnership consisting of C. R. Kieruiff and Alva E. Ravenscroft. Filed June 28, 1923. Serial No. 648,294. 4 Claims. (Cl. 242—85.)



1. A wire reel comprising a frame composed of two pieces of channel iron; one of said pieces being a loop formed with a horizontal top limb and two bottom limbs, and side limbs connecting said top and bottom limbs, and means to hold said loop upright.

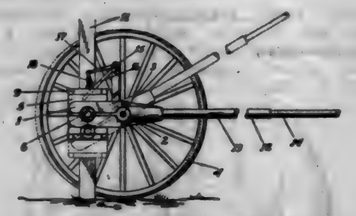
1,543,122. SINGLE-DISK PAY-OUT AND TAKE-UP WIRE REEL. ALVA E. RAVENSCROFT, Los Angeles, Calif., assignor to C. R. Kieruiff & Co., Los Angeles, Calif., a Copartnership consisting of C. R. Kieruiff and Alva E. Ravenscroft. Filed June 28, 1923. Serial No. 648,295. 1 Claim. (Cl. 242—85.)

The lineman's reel substantially set forth comprising a frame having rails; cross bars connecting said rails together; a diagonal bar connecting said rails and having one end extending beyond one of said rails; and axle secured to said diagonal bar; a thimble rotatably mounted on said axle and having a flange and a squared portion; a disc secured to said flange; radially adjustable prongs secured to said disc; a post secured to the extending end of said diagonal bar; a wire guide and lock arm carried by said post; a bracket secured to said



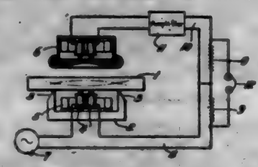
frame; a rod having one end engaging said spindle and its other end extending through said bracket; and means abutting against said bracket to adjust the rod against said spindle.

1,543,123. POST PULLER. LOUIS RENARI, Santa Rosa, Calif. Filed May 21, 1924. Serial No. 714,804. 5 Claims. (Cl. 254—81.)



5. A post puller comprising a lever structure pivoted and supported from the ground intermediate its ends, opposed blocks adapted to engage the opposite sides of a post, and guide means for said blocks pivoted as a unit in the lever structure, the blocks being arranged for upward diverging movement in the guide means, and hand means mounted on the lever structure and connected to the blocks to move them upwardly simultaneously, whereby to enable the blocks to be adjusted to take posts of different sizes and to be held in a predetermined position while a post is being engaged thereby.

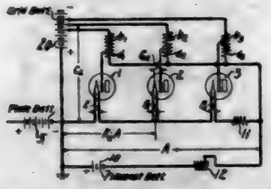
1,543,124. FREQUENCY STANDARD. NORMAN H. RICKER, Houston, Tex., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 9, 1924. Serial No. 724,965. 26 Claims. (Cl. 175—368.)



1. A frequency selective transmission system comprising two mutually independent electric circuits, a vibratory mechanical element and means for separately and re-

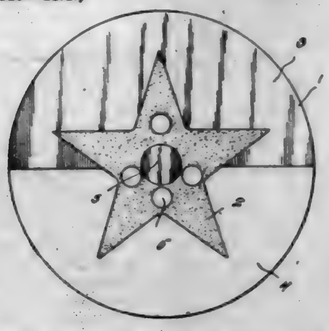
ciprocally coupling said element to said circuits, comprising electromagnetic coupling means for one circuit and electrostatic coupling means for the other circuit.

1,543,125. CONTROL OF RELAYS. HUGH R. ROBINSON, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 21, 1924. Serial No. 707,862. 15 Claims. (Cl. 179—171.)



1. An energy translating system comprising an electric discharge device having an anode, a cathode, and means for controlling current flow between said anode and cathode, voltage supply means for energizing said cathode, a generator of electromotive force for supplying voltage across said anode and cathode, a generator of electromotive force for supplying voltage to said control means, two direct current paths connecting said last generator to points of different potential on said cathode energizing means, and means connecting said control means to a point of one of said paths at a potential different from the potentials of the ends of said one path.

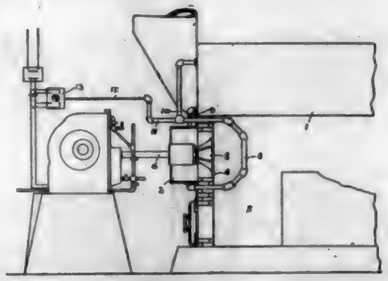
1,543,126. LENS. FREDERICK SCHMITZ, Alexandria, Ind. Filed Mar. 20, 1924. Serial No. 700,649. 1 Claim. (Cl. 240—48.4.)



A lens of the class described comprising a plane glass disk, the upper half thereof being opaque to intercept the passage of light rays therethrough, the lower half being clear and transparent so as to permit unrestricted passage of light rays therethrough, there being a semi-transparent ground area at the center of the plate and said ground area being shaped to provide a star, the points of which extend over and upon the opaque and transparent portions of said plate, there also being an opaque circular portion at the center of said star shaped area, and said circular portion being surrounded by circumferentially spaced clear glass openings confined within said ground area.

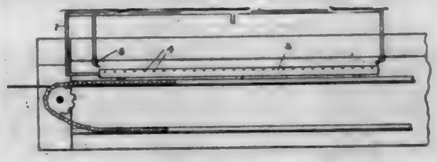
1,543,127. THERMOSTATIC CONTROL FOR OIL BURNERS. WILLIAM E. SHOMB, New York, N. Y. Filed July 31, 1922. Serial No. 578,648. 3 Claims. (Cl. 158—42.4.)

1. A thermostatic control for oil burners, comprising, a burner, a main reservoir, a conduit independent of the circulating system of said reservoir and leading from a low point of said reservoir and returning to a high point and passing contiguous to the flame of the burner,



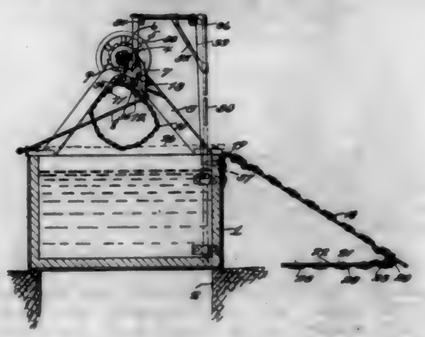
and a thermostatic device controlled by the temperature of the fluid flowing in said conduit adapted to cut off the fuel supply to the burner in the event of the flame being extinguished.

1,543,128. BAKER'S OVEN. JAMES A. SIMPSON, Toronto, Ontario, Canada. Filed Jan. 31, 1924. Serial No. 689,672. 4 Claims. (Cl. 107—57.1.)



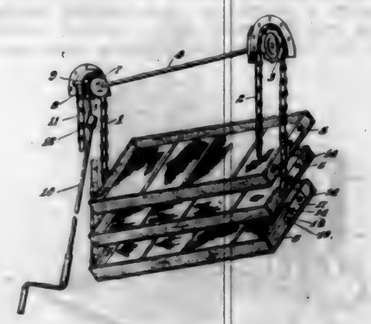
1. A bakers' oven having means for distributing steam therein, and means arranged transversely of the oven to project sheets of steam to form effective barriers to retain the steam in a limited area.

1,543,129. HOG-SCALDING APPARATUS. FRANK J. SMITH, Dodge City, Kans. Filed Aug. 21, 1923. Serial No. 658,607. 2 Claims. (Cl. 17—13.)



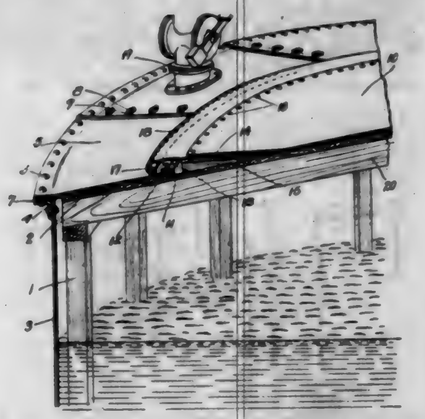
2. A hog scalding apparatus including a tank for the reception of scalding water, a windlass mechanism including a shaft supported on the tank, a hoisting sling operatively connected with the shaft and adapted for the reception of the hog, whereby it may be lowered in the scalding water, a table to one side of the tank, and a second hoisting and crane mechanism for cooperating with the sling to swing it to one side over the center of the table.

1,543,130. INCUBATOR. SAMUEL B. SMITH, Cleveland, Ohio, assignor to The Buckeye Incubator Company, Springfield, Ohio, a Corporation of Ohio. Filed Oct. 23, 1922. Serial No. 596,253. 4 Claims. (Cl. 119—44.)



1. In a device of the character described, a series of trays arranged in a vertical row, a pair of endless chains arranged respectively at the ends of said trays, a hanger on the end of each tray, each hanger being spaced from the tray sufficiently to permit the chain to straddle the hanger and having a notch arranged midway the width of the trays, said notches being adapted to engage the links of the chains to pivotally suspend the said trays, and means to move the chains to lower the trays.

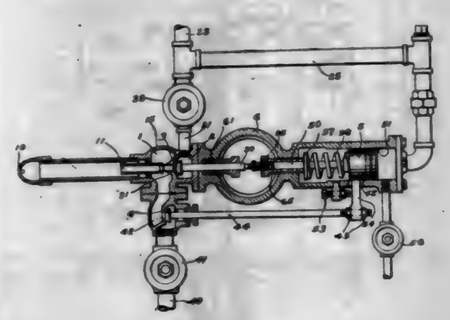
1,543,131. TANK-ROOF COVERING. JAY ALBERT STOUGH, Tulsa, Okla. Filed July 5, 1924. Serial No. 724,384. 4 Claims. (Cl. 220—5.)



1. A tank comprising a wall, a plurality of segments connected to the wall at the edge thereof and arranged in circular series, roofing material inside the space surrounded by the ring and a flexible connection between the roofing material and the inner edge of the ring.

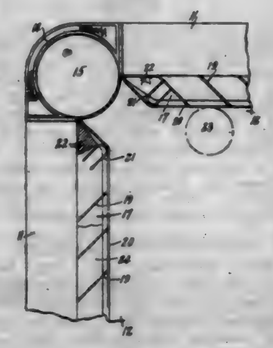
1,543,132. OIL BURNER. ARTHUR EARL SWEET, Tacoma, Wash., assignor to W. D. Tripple, Tacoma, Wash. Filed Mar. 6, 1924. Serial No. 697,218. 1 Claim. (Cl. 158—45.5.)

In an oil burner, a casing having a partition therein forming steam and oil receiving chambers, said partition having a valve port therein and the opposite walls of the casing having one a nozzle receiving opening and the other a valve stem opening, a valve controlling said port in the casing and having a stem passing through its opening in the casing, a nozzle secured in its opening in the casing, an axially positioned pipe section secured in said nozzle opening and extending into the



nozzle, said pipe section being of much smaller diameter than the nozzle pipe and placed with one end slightly spaced from and alined with the discharge end of the steam valve, a steam cylinder having a piston therein and a spring acting in opposition to the steam pressure, and means adjustably connecting the piston rod with the stem of the steam valve.

1,543,133. BILLIARD AND POOL TABLE CUSHION. FREDERICK W. TILLEY, Hamilton, Ontario, Canada. Filed Jan. 23, 1925. Serial No. 4,208. 3 Claims. (Cl. 273—9.)

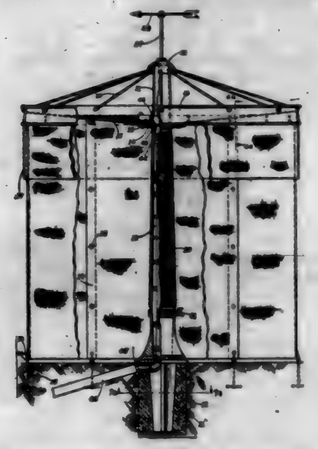


1. In a billiard and pool table including a supporting frame, side walls facing the playing area of the table, a plurality of leaf springs fixed in diagonal grooves in the side walls and, having free ends extending therefrom, and an elastic band stretched taut along said springs and fastened at its ends.

1,543,134. SHELTER. LEBANUS M. TODD, Rochester, N. Y. Filed Feb. 12, 1923. Serial No. 618,475. 10 Claims. (Cl. 20—1.)

1. A shelter comprising a central supporting column, a rigid top carried thereby and projecting laterally there-

from, curtain sections depending from the periphery of the top and adapted to either extend adjacent the



ground or be rolled upwardly out of use, and supporting means on the under side of said top for supporting the rolled up portions of the curtain sections.

1,543,135. BALL BEARING. GUSTAVO VINCON, Villar Perosa, near Pinerolo, Italy. Filed May 31, 1922. Serial No. 564,899. 4 Claims. (Cl. 308—196.)

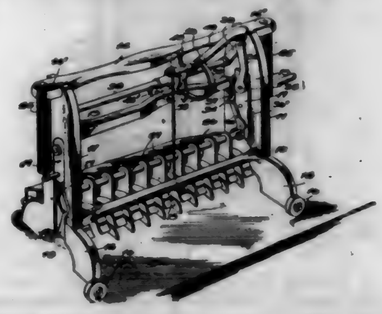


1. A race-way for ball bearings comprising two annular members adapted to contain a series of balls, each member having one edge reduced in thickness to form a telescoping connection between the members, annular grooves formed in the opposing faces of said reduced edges and adapted when the edges are assembled to form an annular chamber substantially cylindrical in cross section, and a polygonal split member adapted to be inserted between the grooves to lock the edges together.

1,543,136. DOUGH-CUTTING MACHINE. JAMES BENJAMIN WARD, Nashville, Tenn. Filed July 16, 1923. Serial No. 651,886. 4 Claims. (Cl. 107—21.)

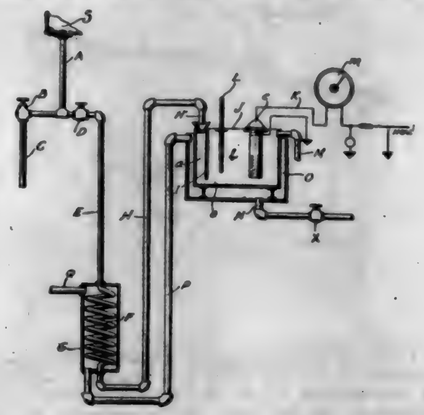
1. In a device of the character described, a bar disposed horizontally, a plurality of blades carried by said bar, means whereby said bar may have vertical movement, means for yieldably retaining the bar in an elevated position with respect to its vertical movement, a shaft rotatably supported, a hand lever for rotating said shaft, connecting means between said hand lever and the bar carrying said blade whereby said bar may be moved downwardly with the rotation of said shaft in a predetermined direction, means whereby the bar carrying said blade will be moved laterally previous to the moment said bar assumes its lowermost position with respect to its vertical movement, and means whereby the bar carrying said blades will be automatically released upon the completion of its lateral movement and permitted to assume its elevated position with respect to its vertical movement.

4. A dough cutting machine comprising a vertically reciprocable blade carrying frame, means for normally and yieldably holding the frame in an elevated position, a shaft, link connections between the shaft and blade carrying frame whereby the frame can be forced downward with the rotation of shaft, a handle extending from the shaft for manually rotating the same, a second rotatable shaft, a plurality of dough retaining fingers extending from the second shaft, connecting means between the handle and dough-retaining fingers for ele-



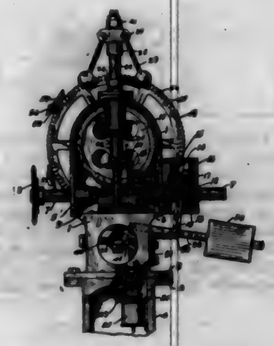
vating the free ends of the fingers when said handle is swung upward, means whereby with the downward movement of the handle the same will be automatically released from the shaft upon the blade carrying frame terminating its downward stroke, and the connecting means between the handle and retaining fingers serving to hold said retaining fingers depressed while the blade carrying frame moves upward and assumes its normal position.

1,543,137. APPARATUS FOR CONTINUOUSLY INDICATING AND CONTROLLING THE DEGREE OF CONCENTRATION OF LIQUIDS IN EVAPORATING VESSELS. GEORGE FREDERIC WEATON, Riverminea, Mo. Original application filed Feb. 13, 1922, Serial No. 536,284. Divided and this application filed Mar. 26, 1923. Serial No. 627,809. 1 Claim. (Cl. 73—51.)



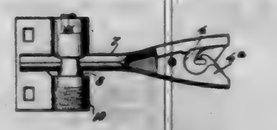
In an apparatus of the class described, in combination with an evaporating vessel provided with a valve controlled discharge conduit, means for conducting from the evaporator a sample of the fluid therein, a cooler, means for conducting said sample to the cooler, a receiving tank, means for conducting the cooled liquid to the receiving tank, means for circulating a cooling medium through the receiving tank and cooler, and means for measuring the temperature and the density of the liquid within the tank.

1,543,138. HOISTING-ENGINE CONTROLLER. CLARENCE R. WELCH, Denver, Colo. Filed Jan. 2, 1924. Serial No. 683,940. 5 Claims. (Cl. 192—140.)



1. A controller for hoisting engines having a drum, comprising, in combination, a centrifugal governor, means for rotating the governor at a speed proportional to the speed of the drum, means for stopping the drum, said last named means comprising a mechanism for cutting off the power and for applying a brake to the drum, means comprising an electromagnet for holding the stopping means inoperative, means for deenergizing said electromagnet whenever the speed of the drum exceeds a predetermined amount, said de-energizing means comprising a switch connected to the energizing circuit of the electromagnet, and means cooperating with the governor for operating said switch and de-energizing said electromagnet when the speed exceeds a predetermined value, said governor having resistance means which is applied in steps whereby the governor acts intermittently when subjected to a constant rotary acceleration.

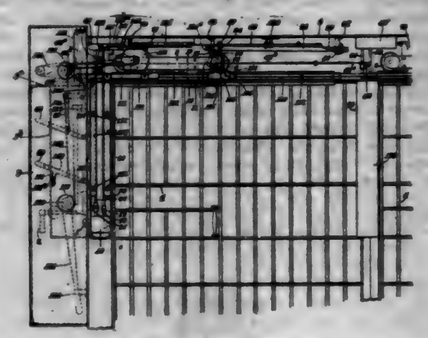
1,543,139. THREAD GUIDE. AMOS E. WHIPPLE, Whitinsville, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Mar. 19, 1923. Serial No. 626,010. 17 Claims. (Cl. 242—157.)



1. Thread guide construction for wet twisters, etc., comprising a ceramic guide eye, a supporting box therefor formed of sheet metal protecting said eye on its top, sides and bottom, said box being externally smooth and having an integral sheet metal extension forming a shank and a finger head provided with means for adjustably receiving and supporting said shank.

1,543,140. JAIL-DOOR-LOCKING MECHANISM. JOHN T. WHITEHOUSE, Cleveland, Ohio, assignor to The Van Dorn Iron Works Company, Cleveland, Ohio, a Corporation of Ohio. Filed Apr. 23, 1923. Serial No. 633,963. 33 Claims. (Cl. 189—7.)

1. A jail door locking mechanism comprising a lock bolt adapted for movement into and out of locking position, means for holding said lock bolt in unlocked position, and means carried by the door for releasing



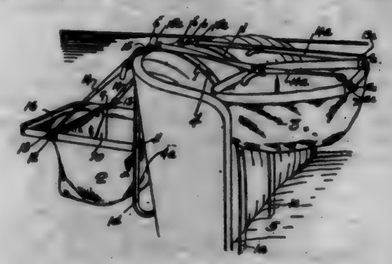
said holding means and adapted to be engaged by said lock bolt for locking the door.

1,543,141. LAMP. WILLIAM H. WOOD, Cleveland, Ohio. Filed Dec. 13, 1920, Serial No. 430,168. Renewed Oct. 20, 1924. 4 Claims. (Cl. 240—41.)



1. The combination with a reflector having an axis and a focal point, of an incandescent electric light bulb comprising two independently usable filaments of unequal candle power, one of the same being substantially V-shaped with its plane coinciding with the reflector axis and its apex substantially at the focal point, the other filament being located cross-wise of the first filament in the angle made by the legs thereof, the planes of said filaments being substantially perpendicular to each other, the second filament intersecting the axis of the reflector and spaced from the apex of the first filament sufficiently so as not to touch the same and the second filament being shaped to lie substantially within the surface which would be produced by revolving the first filament about the reflector axis.

1,543,142. BABY CARRIER FOR AUTOMOBILES. FRANK G. WOODS, Memphis, Tenn. Filed Oct. 22, 1923. Serial No. 669,974. 3 Claims. (Cl. 5—94.)



1. A baby carrier for automobiles comprising supporting members spaceable apart to conform to the spacing of rivets in a seat frame, each member comprising a single piece extending upward from behind the automobile seat, conforming to the curvature of the front of the seat back, thence curving over the

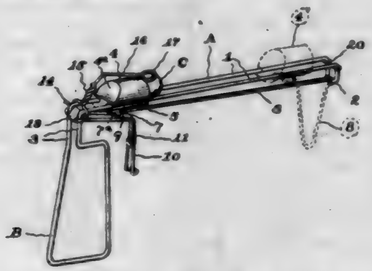
top thereof and extending vertically downward, thence looping inward against the rear of the seat back and extending upward along the same and secured to said vertical section, each of these supporting members having a plurality of corresponding keyhole slots in the front and back legs thereof, and each having an attaching member at the top thereof, of a basket, comprising a frame having a seat carried thereby, the said frame having button head rivets spaced apart projecting from the rear thereof and adapted to be engaged with one pair of said keyhole slots in the supporting member, and adjustable supporting straps extending from the front of said frame to the corresponding attaching members.

1,543,143. TOY. MICHAIL WOZNUCK, Philadelphia, Pa. Filed June 30, 1924. Serial No. 723,378. 5 Claims. (Cl. 272—85.)



1. A toy comprising a pole having an axle fixed to one end thereof, a pair of wheels mounted on said axle, one of said wheels having its periphery toothed, a frame mounted for rotation on said pole and consisting of a pair of spaced disks united by posts, the ends of the posts being projected beyond one of said disks to engage the teeth on the said wheel to cause rotary movement to be imparted from the wheel to the said frame.

1,543,144. MARBLE SHOOTER. HENRY WURM, Cleveland, Ohio. Filed Apr. 9, 1925. Serial No. 21,847. 18 Claims. (Cl. 273—129.)



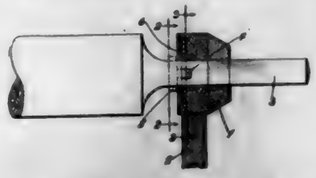
1. A marble shooter comprising a barrel formed of spaced strands of wire adapted to support and guide a marble, a plunger slidably mounted upon the wire strands, yielding means for moving the plunger forwardly, and trigger controlled means for holding the plunger at the rear end of the barrel.

1,543,145. CONTROLLER HANDLE. FRANK P. YEOMANS, Oakland, Calif., assignor, by direct and mesne assignments, of one-half to Selma Yeomans, Oakland, Calif., and one-half to Max Horn, San Francisco, Calif. Filed May 4, 1922. Serial No. 558,384. 4 Claims. (Cl. 74—33.)



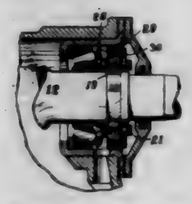
1. A controller handle comprising a handle portion, a fixed jaw formed integrally therewith, a detachable yoke member carried by said handle portion, a slidable jaw carried by and embracing said yoke, and means for moving said slidable jaw towards said fixed jaw.

1,543,146. TRUCK FOR SUPPORTING FORM ROLLERS ON PRINTING PRESSES. FERDINAND H. ZIMMERER, St. Louis, Mo. Filed Feb. 9, 1925. Serial No. 7,755. 3 Claims. (Cl. 101—348.)



1. A truck roller for form rollers comprising a roller composed of indurated fiber having a pair of diametrically opposite radial grooves extending inwardly from one end, in combination with a metallic plate embedded in said end of said roller and having a pair of diametrically opposite radial notches in continuation of said grooves.

1,543,147. AXLE. THOMAS ZIMMERMAN, Cleveland, Ohio, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio, a Corporation of Ohio. Filed June 25, 1919. Serial No. 306,633. 12 Claims. (Cl. 64—22.)



1. In mechanism of the class described, the combination of a shaft having a shoulder thereon, and a collar on said shaft co-operating with said shoulder to transmit axial thrust, comprising a ring formed of a plurality of sections, and means slidable axially over said ring for holding the parts of said ring in assembled relation.

1,543,148. SEPARABLE CUFF BUTTON. BENJAMIN FRANKLIN BAKER, St. John, New Brunswick, Canada. Filed Aug. 26, 1924. Serial No. 734,291. 9 Claims. (Cl. 24—110.)



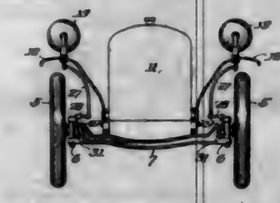
1. A separable button consisting of two parts, one comprising a head and a shank extending from one side thereof and provided with a shoulder, the other part comprising a head having a tubular shank extending from one side thereof and provided at its outer end with an opening to receive the shank of the first mentioned part, mutually opposed locking elements arranged within the hollow shank for relatively free floating movement, means yieldably urging said elements toward each other to a locking position, oppositely located shoulders upon said elements for engagement by the shoulder upon the shank of the first mentioned part, and means operable to relatively separate said elements to disengage said shoulders from the shoulder of the shank of the first mentioned part.

1,543,149. AUXILIARY MOTOR CUT-OFF FOR PRESSURE SYSTEMS. SHERIDAN S. BIGLER, New Philadelphia, Ohio. Filed Jan. 28, 1924. Serial No. 688,887. 2 Claims. (Cl. 103—25.)



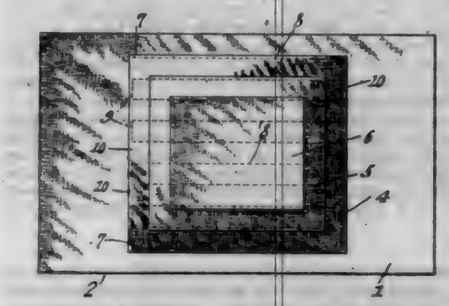
1. The combination with a cylinder adapted to receive pressure; of a bracket having a portion contacting with the outer side of said cylinder and a portion projecting laterally from one end of the latter, means securing the first named portion of the bracket to the cylinder, a hand-closed switch including a base mounted on said bracket and a handle extending across said one end of the cylinder, and a piston in said cylinder having a stem positioned to thrust outwardly upon said handle and open the switch.

1,543,150. DIRIGIBLE HEADLIGHT. CHARLES W. CARLSON and WALTER P. DAVIS, Chicago Heights, Ill. Filed Sept. 21, 1923. Serial No. 664,009. 1 Claim. (Cl. 240—62.)



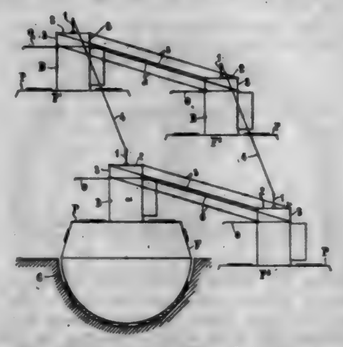
A headlight mounting for vehicles comprising a hollow standard having a downwardly facing shoulder on its exterior and a threaded portion adjacent thereto adapted to be projected through a portion of the vehicle, an upwardly facing shoulder and a groove formed on the interior of said standard, a lamp supporting post adapted to fit within said standard having a shoulder and a groove adapted to cooperate with the groove and shoulder formed within said standard, and a spring ring adapted to engage both of said grooves.

1,543,151. BLOW-OUT SHOE. ALVA HEYWOOD COOPER, Atlanta, Ga. Filed Feb. 14, 1925. Serial No. 9,253. 1 Claim. (Cl. 152—24.)



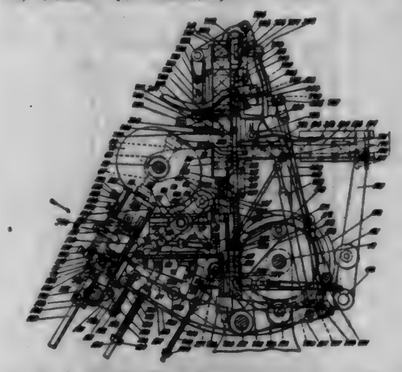
A blow-out shoe for vehicle tires, the shoe being made of textile material and comprising a body, the length of which is greater than its width, a plurality of layers superposed on the body, the area of each layer being less than the area of the layer next therebeneath, the area of the innermost layer being less than the area of the body, and a zig-zag stitching comprising parallel long parts and parallel short parts connecting the long parts at the ends thereof, the short parts being located at right angles to the long parts, the short parts joining the innermost layer to the body, all of the long parts joining at least one of the layers to the body, some of the long parts joining all of the layers to the body; the short parts of the stitching extending parallel to the ends of the body and being spaced apart transversely of the body and the long parts of the stitching extending parallel to the edges of the body thereby permitting the body and the layers to be united by the stitching whilst they are flat and preventing them from buckling when the shoe is disposed in trough shape.

1,543,152. STABILIZING FLOAT FOR SHIPS. LOUIS THEOPHILE COUTY, Tulle, France. Filed Nov. 13, 1923. Serial No. 674,582. 3 Claims. (Cl. 114—191.)



3. A ship having a plurality of basins to contain water, floats in said basins buoyed by the water in said basins, structures extending upwardly from said floats and connections between said structures, said structures and said connections coacting to secure simultaneous movement of all of the floats in any direction when any one of them departs from a horizontal position.

1,543,153. MACHINE FOR LABELING PACKETS, BOXES, AND THE LIKE. ALBERT DAY, London, England. Filed Mar. 6, 1923. Serial No. 623,276. 10 Claims. (Cl. 216—54.)



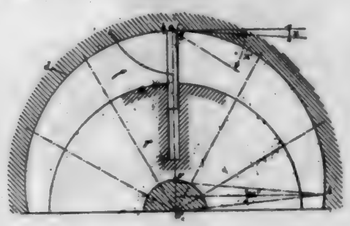
1. In a machine for the purposes set forth, a box open at the top and bottom, a cage under said box, a conveyor to deliver packets positively into said cage, a pivoted flap adapted to rise to enclose the packet in said cage, means for positioning an adhesive label

between said box and packet, and a ram vertically reciprocating in said cage to lift and push packets therefrom successively into and through said box together with the label.

1,543,154. PROCESS OF DISPOSING OF GARBAGE. CLARENCE R. FOX and WILLIAM S. DAVIS, Lebanon, Pa. Filed July 28, 1923. Serial No. 654,500. 1 Claim. (Cl. 71—6.)

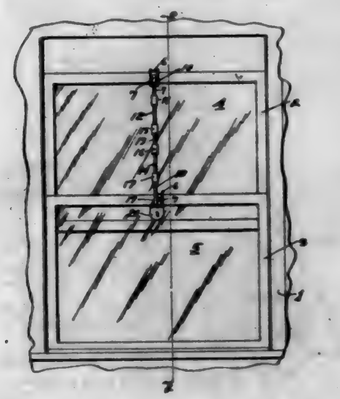
The process of disposing of garbage which comprises reducing it to fine particles by mechanical means, and then passing the finely divided garbage through a sewerage putrefaction system to putrefy it.

1,543,155. LUBRICATION OF PARTS ROTATING AT HIGH SPEED. CHARLES FRADET, Asnieres, France, assignor to Walter Schindler, Asnieres, France. Filed Apr. 20, 1922. Serial No. 555,689. 2 Claims. (Cl. 184—1.)



1. Means for effecting lubrication of the contacting surfaces of rotary pumps and the like of the radially moving van type, which comprises vanes each having the forward edge of its surface engaging the stator wall beveled to an angle greater than the maximum angle formed by the normal to the vane and the tangent to the surface with which the vane contacts, whereby the lubricant is forced under pressure between the surfaces in contact.

1,543,156. WINDOW LOCK. ALEXANDER T. GIBSON, Oakland, Calif. Filed Mar. 15, 1923. Serial No. 625,393. 4 Claims. (Cl. 292—262.)

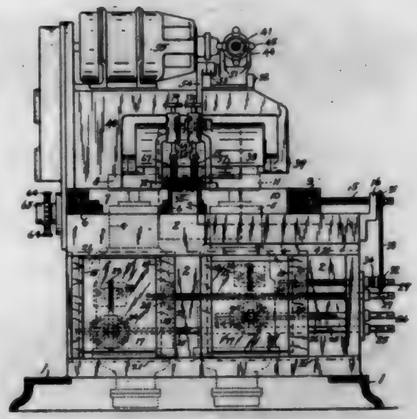


1. A window lock of the class described, comprising a screw eye secured to the top member of the upper window sash, a screw eye secured to the top member of the lower window sash, a jointed rod with a hook to engage said upper screw eye, and an eye to parallel said lower screw eye, means to lock said lower eyes together, and means to change the length of said jointed rod.

1,543,157. PROCESS OF OBTAINING SULPHONATED PRODUCTS OF WOOL FAT. OLIVER HERZOG, Berlin-Dahlem, Germany. Filed Jan. 29, 1925. Serial No. 5,666. 2 Claims. (Cl. 87—26.)

1. The process of obtaining sulphonated products of wool fat, consisting in dissolving wool fat in a volatile solvent, separating from one another the waxy and the liquid fractions of the fat by cooling, and sulphonating these fractions separately.

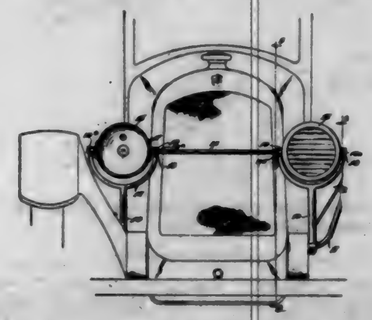
1,543,158. STICKER FOR DOOR STOCK. WILLIAM C. HOBART and FREDERICK A. NICHOLSON, Tacoma, Wash. Filed Jan. 5, 1925. Serial No. 569. 4 Claims. (Cl. 144—90.)



1. A sticker for door stiles or rails comprising a pair of fixed pedestals; a fixed rear horizontal table mounted on both said pedestals; a movable front horizontal table mounted on both said pedestals and in the same horizontal plane as the fixed table, said front and rear tables being adapted to support the stock to be worked in flat position near its edges in a continuous structure from end to end of the machine; pressure shoes resiliently mounted on the tables and engaging the upper face of the stop adjacent the cutter heads; a pair of independently rotated and adjusted cutter heads, rotating on vertical axes in transverse alignment relatively to the longitudinal axis of the machine; feed means independently rotated on horizontal axes and engaging the upper and lower flat horizontal faces of the stock to pass it through the machine; fixed guide means mounted on the fixed rear table; and resilient guide means mounted on the movable front table whereby the stock is guided between the cutter heads as it is driven thereagainst by the feed means.

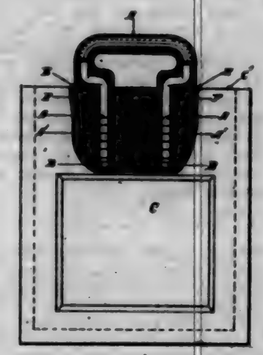
1,543,159. HEADLIGHT MECHANISM. FREDERICK H. HOPKINS and WINDELL W. MOODY, Kansas, Ill. Filed Apr. 23, 1924. Serial No. 708,415. 2 Claims. (Cl. 240—61.)

1. In a headlight mechanism, the combination of a bracket formed at its lower end for attachment to a support and provided at its upper end with a fork having fork arms terminating in companion bearings, one of said fork arms being provided with a recess opening through the bearing of said arm, a headlight having trunnions journaled in said bearings, means for



rocking the headlight, one of said trunnions being provided with spaced sockets, and a spring pressed ball detent accommodated in said recess to selectively seat in said sockets for locking the headlight when rocked.

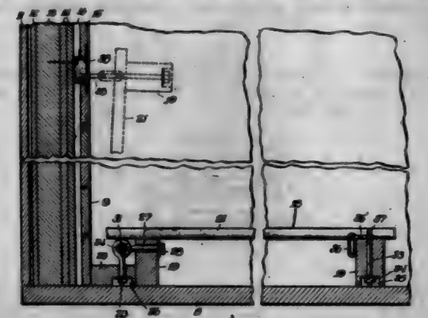
1,543,160. BATTERY-BOX HANDLE. LOUIS W. HOTTEL, Erie, Pa., assignor to M. Liebel, jr., Erie, Pa. Filed Feb. 9, 1925. Serial No 7,577. 2 Claims. (Cl. 16—119.)



1. In a battery box having vertical holes in the wall thereof, a metallic reinforcing loop, parallel arms on said loop, insulating material covering said handle, and terminating in shoulders, and sleeves of insulating material integral with said shoulders and covering a portion of said arms, said arms and sleeves adapted to be inserted into said vertical holes.

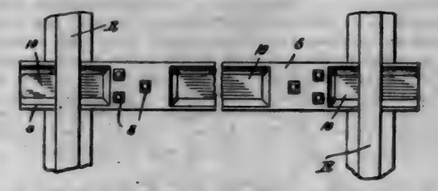
1,543,161. FASTENER FOR THE FLOOR RACKS OF RAILROAD CARS. GEORGE A. HULL, Chicago, Ill., assignor to Equipment Specialties Co., Chicago, Ill., a Corporation of Illinois. Filed Dec. 11, 1924. Serial No. 755,201. 17 Claims. (Cl. 105—375.)

1. In a railroad car, the combination of a side wall, a floor rack adapted for swinging up into proximity to said side wall, a fastening member hingedly connected to said floor rack, and a socket member comprising an annular metal wall set into a recess in said side wall of the car and closing the sides of said recess, said socket



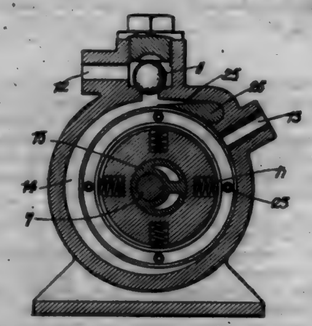
member having a locking shoulder therein with which said pivoted fastening member is adapted to have locking co-operation.

1,543,162. RAIL TIE AND FASTENER. LLOYD R. JENKINS, Bruin, Pa. Filed June 24, 1924. Serial No. 722,110. 1 Claim. (Cl. 238—84.)



A rail tie and fastener including a bar having its ends shaped for snug engagement with the inner base flanges and webs of rails to be connected, transverse ribs on the bottom of the bar, chairs including bases extending under the bar and jaws overhanging the outer base flange of the rails, transverse ribs upon the bases, and means extending through the bases and the bar for holding them adjustably connected, the inner ends of the bases forming abutments for gripping a roadbed therebetween.

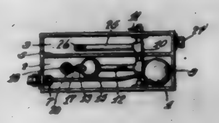
1,543,163. COMPRESSOR. SVEN A. JOHNSON and HERMAN F. HOLMQUEST, Brooklyn, N. Y. Filed May 9, 1923. Serial No. 637,781. 1 Claim. (Cl. 230—30.)



A pump of the class described comprising a casing, having an inlet and an outlet, a shaft mounted therein, an eccentric keyed to the shaft, a loose hub on the eccentric, a loose ring and resilient elements spacing said

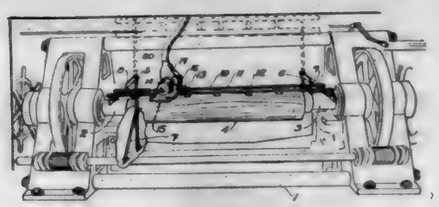
ring from the hub, packing rings and resilient elements within the sides of said rings, said rings, frictionally engaging the inner sides of the casing, an outlet valve and a resiliently held valve within the casing adjacent the said inlet.

1,543,164. AUTOMATIC LIQUID CONTROL. EDWIN E. JOSLIN, Portland, Oreg. Filed Mar. 6, 1923. Serial No. 623,207. 8 Claims. (Cl. 4—42.)



1. Automatic liquid control apparatus, consisting in a tank including a receiving and a discharge compartment, said receiving compartment having communication with a source of water supply under pressure, a float-controlled valve admitting water from said source when the water-level is lowered, a tubular yoke journaled to oscillate in said tank, said yoke having an exteriorly disposed tripping lever, tubular legs communicatively connected with said yoke and extending into said compartments, respectively, said legs and yoke forming an inverted siphon to convey water from said receiving compartment to the discharge compartment, said legs having an upturned goose-neck at their outer ends, a float connected to the outer end of the intake leg positioned in the receiving compartment, a cup rigidly secured to the outer extremity of said intake leg provided with a perforated bottom, and a similarly perforated plate pivotally secured to said bottom whereby the leakage through said perforated bottom may be regulated.

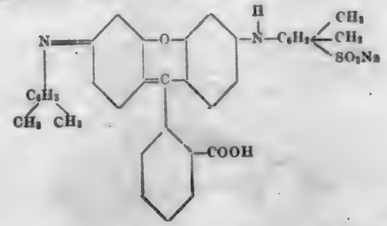
1,543,165. SAWING MACHINE. CLARENCE A. KESSLER, Kansas City, Mo., assignor to Penrod Walnut & Veneer Company, Kansas City, Mo., a Corporation of Missouri. Filed Oct. 6, 1924. Serial No. 741,928. 4 Claims. (Cl. 144—136.)



1. A machine for cutting kerfs in logs, comprising a longitudinal track of guideway, a support to which one side of the guideway is pivoted so that the weight of the guideway will cause its free side to swing downwardly until it contacts with a part of the log-carrying machine to maintain the guideway in a horizontal plane, and a saw movable along the guideway.

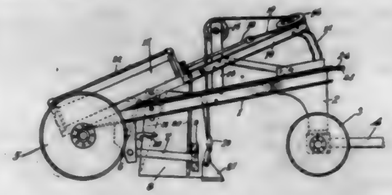
1,543,166. WOOL DYE OF THE PYRONE SERIES. GEORG KÖHRER, Leverkusen, near Cologne, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Oct. 10, 1924. Serial No. 742,933. 3 Claims. (Cl. 260—63.)

3. The new dye of the pyrone series obtainable from fluorescein chloride and vic. meta-xylidine, which is, after being dried and pulverized in the shape of the sodium salt of its sulfonic acid, a red powder soluble in concentrated sulfuric acid with a scarlet-red coloration having most probably the formula:



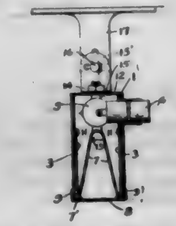
and dyeing wool pure yellowish-red shades fast to light, substantially as described.

1,543,167. SCRAPER. GEORGE KORTGARDNER, Jr., Cincinnati, Ohio, assignor to The Kortgardner Trucking Company, a Corporation of Ohio. Filed Aug. 1, 1924. Serial No. 729,629. 2 Claims. (Cl. 37—133.)



1. A scraper comprising a frame having two side members, a scoop movably mounted between said side members, a hoist frame having two side members, said side members diverging upwardly from said first mentioned frame from the rear to the front, oblique pulleys mounted in the front portion of the side members of said hoist frame, vertical pulleys mounted in said frames to the rear of said oblique pulleys, air cylinders mounted on said hoist frame, and cables secured to the piston rods of said air cylinders and arranged to operate over said pulleys, the free ends of said cables being secured to said scoop, whereby the operation of said cylinders is caused to hoist said scoop.

1,543,168. SIGNAL LAMP FOR VEHICLES. LEO M. LAROSE, Detroit, Mich., assignor to Isreal Weinstein, Chicago, Ill. Filed Oct. 5, 1923. Serial No. 666,714. 3 Claims. (Cl. 40—132.)



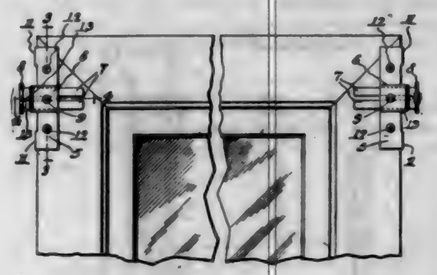
1. In a signal device, a casing, a source of light in the upper portion of said casing, and a V-shaped double reflector within said casing below said source of light, the walls of said reflector converging upwardly toward said light source and being rigidly secured to the casing bottom at their diverged edges, and a headed member securing said reflector to the top of the casing, the head of said member being engaged within the angle formed by the convergent walls of the reflector.

1,543,169. PROCESS AND APPARATUS FOR SEPARATING PALPABLE POWDER BY SUSTENTATION. EPHRAIM ANDRÉ LÉVY and JOSÉ SAPONT, Mexico, Mexico. Filed Feb. 26, 1923. Serial No. 621,362. 1 Claim. (Cl. 83—11.)



A grinding plant comprising a grinding mill; a curved grate beneath said mill; a pair of transverse funnels having deflectors therein; a pair of settling chambers each in communication with one of said funnels; means for blowing a current of air into the mill and through said funnels; and an elevator for feeding material to said mill and to reconvey the material which falls through said grate back into the mill for regrinding.

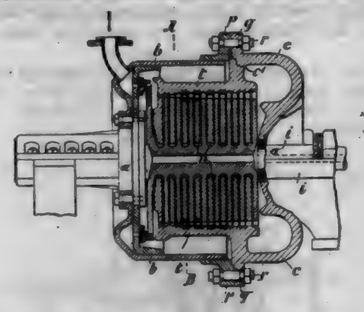
1,543,170. WINDOW-SHADE BRACKET. BARNETT LONG, Martinsburg, W. Va. Filed June 23, 1924. Serial No. 721,763. 1 Claim. (Cl. 156—24.)



A curtain shade bracket comprising a body portion having a central outstanding portion, the forward edge of the outstanding portion extending outwardly and upwardly to provide a guide, a screw extending through the outstanding portion, a supporting bracket adapted to be positioned within the body portion, said supporting bracket including spaced arms, said screw adapted to extend between the spaced arms, a nut positioned under the arms and having a threaded opening to receive the screw, and said screw adapted to be operated to move the nut into close engagement with the arms of the supporting bracket to clamp the arms into engagement with the inner surface of the outstanding portion of the body portion.

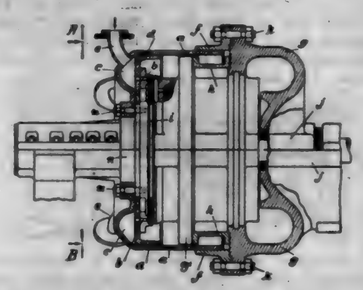
1,543,171. ELASTIC-FLUID TURBINE. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 4, 1923. Serial No. 655,722. 24 Claims. (Cl. 253—69.)

1. In an elastic fluid turbine, an axially divided casing for the exhaust end thereof having a rotor enclosing casing portion, another casing separate therefrom for the high pressure or admission end surrounding the axially divided higher pressure parts of said rotor enclosing casing portion to form an elastic fluid chamber there-



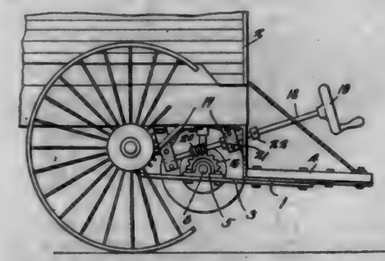
around, and an intake admitting high pressure elastic fluid to said chamber for opposing the internal pressure on the rotor enclosing casing portion.

1,543,172. ELASTIC-FLUID TURBINE. FRANZ LÖSEL, Brunn, Czechoslovakia. Filed Aug. 4, 1923. Serial No. 655,720. 7 Claims. (Cl. 253—57.)



1. An elastic fluid turbine having a high pressure part and a low pressure part, a casing for the high pressure part and a casing for the low pressure part, blading for guiding the elastic fluid and a supporting part for the said blading, the high pressure part of the casing being made of wrought metal, such as boiler plate, and the low pressure part of the casing and the supporting part for the guide blading being made of cast metal, for the purpose set forth.

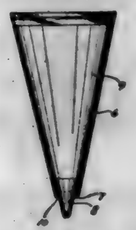
1,543,173. SCREW GEARING. DANIEL L. LOTT, Tiffin, Ohio, assignor to The Loomis Machine Company, Tiffin, Ohio. Filed June 2, 1923. Serial No. 643,068. 1 Claim. (Cl. 74—36.)



A take-up of the class described including a gear, a slidable and rotatable shaft, a worm upon the shaft, said shaft being slidable in one direction to disengage the worm from the gear and slidable in the opposite

direction to bring the worm into mesh with the gear, means for limiting the movement of the shaft in each direction, one of said means constituting a thrust bearing for the shaft while the worm and gear are in mesh.

1,543,174. PAPER LINER FOR CAKE DECORATORS. JOSEPH BROKAW MATTSON, Minneapolis, Minn. Filed Mar. 7, 1925. Serial No. 13,723. 5 Claims. (Cl. 107—52.)



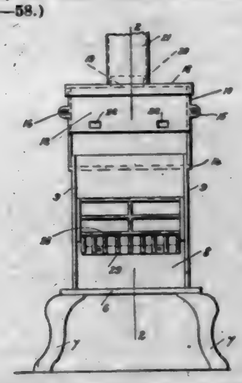
1. A cake decorator comprising a bag, a removable liner for the bag, said bag and liner having co-incident nozzle openings, and a nozzle mounted in said openings.

1,543,175. MAGAZINE SPANNER. WILFRID JUSTIN MCCARTHY, Kenilworth, England. Original application filed Aug. 15, 1923, Serial No. 657,548, Patent No. 1,508,692, dated Aug. 5, 1924. Divided and this application filed May 21, 1924. Serial No. 714,926. 3 Claims. (Cl. 81—125.)



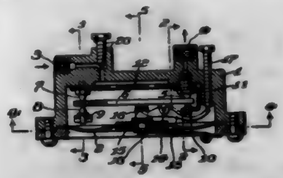
1. A magazine spanner comprising in combination a tube having one end thereof formed as the acting end of a spanner, ball plungers disposed within the walls of said tube and adapted to project within the bore thereof, an annular spring surrounding said plungers and abutting the outer ends thereof, said spring normally maintaining the acting surface of said plungers within the bore of the tube and means for positioning said spring relative to said plungers.

1,543,176. HEATER. WILLIAM E. MCCARTY, Athens, Ga. Filed July 15, 1924. Serial No. 726,119. 3 Claims. (Cl. 126—58.)



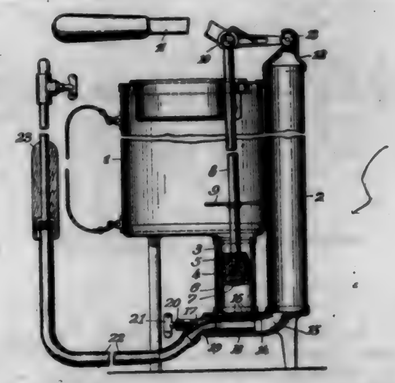
1. A heater, comprising a horizontal base, a removable frame supported on the base and open at its top and front, a grate secured inside the said frame, a removable chamber supported by the said frame and provided with means for connecting it with a stove pipe, and a removable plate for partially closing the front of the frame.

1,543,177. FLASH-LIGHT APPARATUS. ELOF H. MEDÉN, Short Hills, and CARL LUNDAHL, Hillside, N. J., assignors to American Gasaccumulator Company, Elizabeth, N. J., a Corporation of New Jersey. Filed Oct. 17, 1923. Serial No. 669,185. 15 Claims. (Cl. 67—111.)



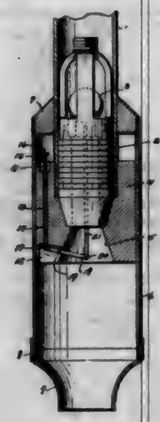
1. In a flashlight apparatus, the combination of a valve lever pivoted at one end, a valve body having an opening adapted to be closed by the said lever, means for limiting the opening movement of said lever, means whereby magnetic forces tend to hold the said valve lever in its closed or in its open position according as it is in the one or the other position, and means for controlling the periods of the closed and open positions of said valve lever which means comprises a pivoted lever and an adjustable stop member which cooperate therewith.

1,543,178. FLUID-SPRINKLING DEVICE. JEAN MEILI, Veltheim, near Winterthur, Switzerland, assignor to Adolf Kauf, Zurich, Switzerland. Filed Oct. 23, 1922. Serial No. 670,345. 3 Claims. (Cl. 299—97.)



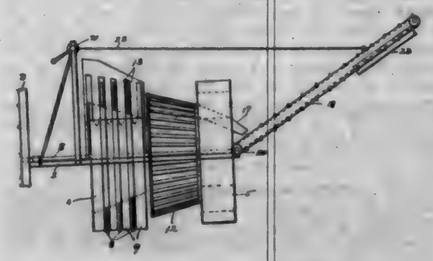
1. A portable fluid sprinkling device comprising in combination a receptacle adapted to hold the fluid, an air vessel connected to said receptacle, a piston pump arranged below said receptacle, the cylinder of said pump being in open connection with the said receptacle and the piston having a flexible cup, a hand lever operatively connected to said piston, a member enclosing a pressure space, the wall of said member being provided with apertures adapted to connect said pressure space to said cylinder, a nipple projecting into the pressure space of said member, a flexible hose fixed to the outer end of said nipple, and an elastic part fixed to the inner end of said nipple and adapted to lie snugly against the walls of said pressure space and forming the organ controlling said apertures between the cylinder and the pressure space, a stirrup hinged to said member, and means carried by said stirrup and cooperating with said nipple to press the latter against said member to thus produce a fluid tight joint between the nipple and said member.

1,543,179. VALVE TRIP MECHANISM. ANDREW MILLER and FRED D. MILLS, Caney, Kans. Filed May 15, 1924. Serial No. 713,022. 2 Claims. (Cl. 103—221.)



1. In combination with a working barrel and a valve structure therein, a sleeve slidably engaged with the working barrel, a valve seat collar carried by the working barrel and contained within the sleeve, and means carried by said collar and operable by contact with the sleeve upon pull on the barrel to open the valve within the barrel.

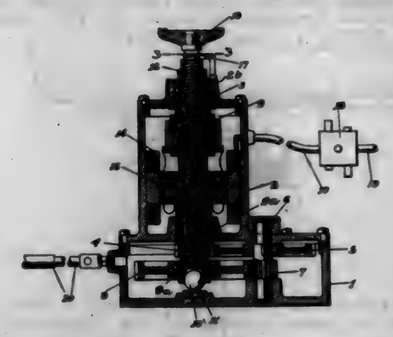
1,543,180. ELEVATING MECHANISM FOR ROOT HARVESTERS. ORO H. MOORE, Payson, Utah. Filed Oct. 9, 1923. Serial No. 667,520. 4 Claims. (Cl. 55—50.)



1. In an elevating mechanism for a harvesting machine, an elevating wheel, a screen, and a second elevating wheel, the screen being between the two said wheels.

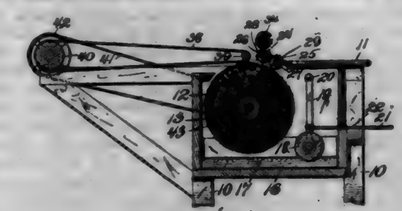
1,543,181. ELECTRIC JACK. HARVEY W. MOORE, San Francisco, Calif. Filed Apr. 19, 1924. Serial No. 707,613. 4 Claims. (Cl. 254—103.)

1. A jack including a casing structure having longitudinally spaced bearings therein, an outer sleeve turnably mounted in the bearings, an inner sleeve turnably mounted in the outer sleeve, reduction gearing between the sleeves, driving means applied to the outer sleeve intermediate the bearings, and a jack stem threaded



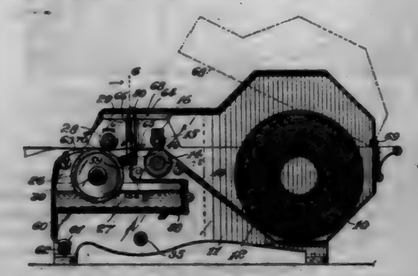
directly into the inner sleeve, whereby the lifting strain of the stem is taken directly by said sleeve with the rotation thereof.

1,543,182. CARROTING MACHINE. JOSEPH A. MORIN, Newark, N. J. Filed May 22, 1923. Serial No. 640,693. 3 Claims. (Cl. 8—21.)



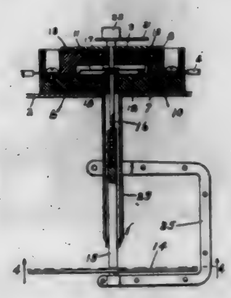
1. A carroting machine comprising a brush moving in one direction, a means for feeding a skin so that the fur is curved and spread when presented to the brush and at a slower speed than the speed of the brush, a tank for holding liquid, a supply roller in the liquid, and means for moving the roller to contact with the brush.

1,543,183. TAPE-FEEDING MACHINE. CHARLES G. MORTIMER, Glen Ridge, N. J. Filed Mar. 27, 1924. Serial No. 702,421. 6 Claims. (Cl. 91—14.5.)



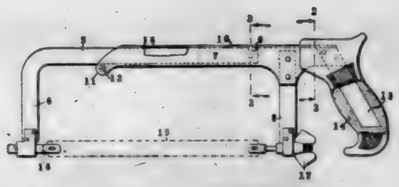
1. A tape feeding machine comprising a frame to hold a roll of tape, an arc-shaped rack pivoted to the frame, a pair of gears each gear being in direct and constant mesh with the rack, sets of rollers to be driven by the gears, and a clutch connection between each gear and its set of rollers whereby each set of rollers can be rotated forwardly independent of its gear.

1,543,184. HEAT CONTROL. LUCIAN R. OAKES, Tipton, Ind., assignor to The Oakes Manufacturing Company, Tipton, Ind., a Corporation of Indiana. Original application filed Nov. 3, 1920, Serial No. 421,538. Divided and this application filed Nov. 14, 1922. Serial No. 600,921. 5 Claims. (Cl. 200—140.)



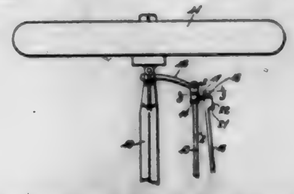
1. In a heat controlling mechanism comprising a pair of contact plates having their meeting ends overlapped with each other, a longitudinally movable rod passing through one of said contact plates, means on the rod for causing the contact through which it passes to move away from the other contact incident to the longitudinal movement of the rod, a non-rotatable longitudinally movable plunger adjustably connected to said rod, an indicator connected to the outer end of said rod, a thermostat for moving said plunger lengthwise for disengaging the contact plates, and means for determining the position of the indicator for maintaining a prescribed degree of heat.

1,543,185. HACK-SAW FRAME. WILLIAM J. PARSONS, Millers Falls, Mass., assignor to Millers Falls Company, Millers Falls, Mass., a Corporation of Massachusetts. Filed June 30, 1923. Serial No. 648,757. 2 Claims. (Cl. 145—34.)



1. A hack-saw frame, including, in combination, a sheath U-shaped in cross section, an arm disposed substantially at right angles thereto and at a point short of the end thereof, said arm having its inner end projecting between the side walls thereof and rigidly secured thereto, a stem slidable within said sheath, an arm carried by said stem, blade-securing means associated with said last- and first-named arms, a handle member independent of said first-named arm, said member having a beveled end-portion and being arranged adjacent the end of said sheath with its beveled end resting against the base thereof whereby the body of said member extends obliquely thereof, and means for securing the handle member in such position.

1,543,186. STEERING-GEAR CONNECTING ROD. JAMES AUSTIN PERKINS, Opelousas, La. Filed Apr. 30, 1924. Serial No. 710,036. 3 Claims. (Cl. 280—95.)



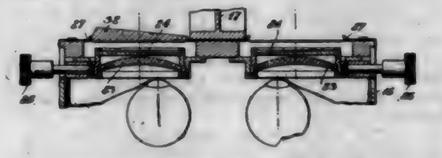
1. In a jointed connection of the character described, a member provided with a ball and a second member provided with a socket for receiving said ball, spaced fingers formed on said socket member and embracing the member carrying said ball, for the purpose described.

1,543,187. SHOE. EDWIN A. PETERSON, Stockton, and GEORGE PETERSON, Elsinore, Calif. Filed Aug. 18, 1923. Serial No. 658,002. 1 Claim. (Cl. 36—51.)



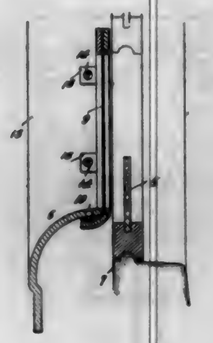
A shoe having a primary vamp below and independent of the fastening flaps of the upper of the shoe, the primary vamp having an independent longitudinal slit therein closed at each end, a secondary vamp disposed on the under side of the primary vamp and being secured all around to the free edges of the slit, the secondary vamp being of a width to allow it to be expansible accordingly as the free edges of the slit are spread apart or toward each other, and means for lacing the edges of the slit together independently of other fastening or lacing means of the shoe.

1,543,188. STEREOCAMPIMETER. MAX POSER, Rochester, N. Y., assignor to Bausch & Lomb Optical Company, Rochester, N. Y., a Corporation of New York. Filed Jan. 3, 1921. Serial No. 434,402. 16 Claims. (Cl. 88—29.)



1. A stereoscope having for each eye a meniscus lens corrected to practically eliminate astigmatism of oblique pencils over an area of thirty degrees from the center of the field, the centers of said lenses being laterally separated more than the interpupillary distance of the observer's eyes.

1,543,189. SCREEN FOR WINDSHIELDS. SOL WAITE RAWLS, Franklin, Va. Filed Aug. 29, 1924. Serial No. 734,989. 1 Claim. (Cl. 296—95.)



In combination with a curved section of a cowl ventilator of a motor vehicle, a screening device including a frame having a lower curved section adapted to be fitted under the curved section of the cowl ventilator, ears formed at the ends of the frame and adapted to engage the side members of a windshield frame, and a screening member supported within the frame.

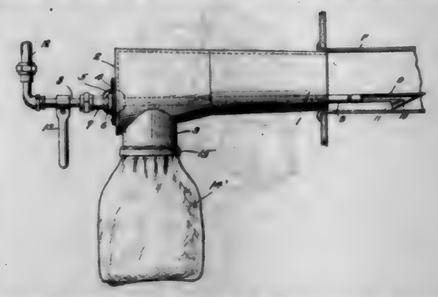
1,543,190. MARKING TAG. EDWARD A. SAGUI, Newark, N. J. Filed Oct. 2, 1923. Serial No. 666,245. 3 Claims. (Cl. 40—21.)



1. A tag comprising a tab with a strip extending from one end, the tab having a slit to receive the strip, the slit being crescent-shaped with its convex edge toward the strip, the end of the strip having shoulders to engage the said edge to hold the strip in looped position the tongue formed by the slit acting as a guide when the strip is inserted in the slit and by its resiliency holding the strip against the concave edge of the slit.

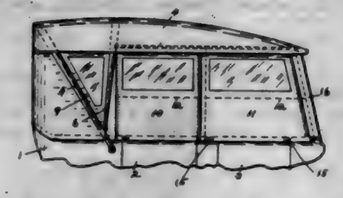
1,543,191. FLUE CLEANER. EDWARD EARL SAURBMAN and GEORGE WASHINGTON CUYLER, Herington, Kans., assignors of one-sixth to Bupford Johnson and one-sixth to Steve Carr, both of Herington, Kans. Filed July 1, 1921. Serial No. 481,088. 1 Claim. (Cl. 122—391.)

A tool for separately cleaning the flues of a boiler, including a tapered sleeve open at its small end and closed at its large end, said sleeve being insertible into one end of a flue, an outlet extension adjacent the closed end of the sleeve for engagement by a container, a pipe extending longitudinally of and beyond both ends of the sleeve and mounted to swing and slid relative to the sleeve, a nossle at that end of the pipe projecting beyond the open end of the sleeve, said nozzle having a passage provided with a return portion for delivering a jet against the wall of the tube into which the sleeve is



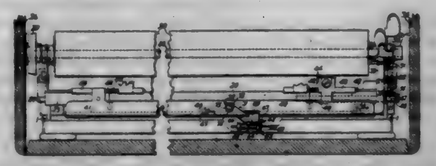
inserted to blow the contents of the tube into the sleeve, and a handle upon the pipe for sliding and rotating the same relative to the sleeve.

1,543,192. CURTAIN FOR AUTOMOBILES. FRANK B. SIMPSON, Poughkeepsie, N. Y. Filed Oct. 2, 1923. Serial No. 666,123. 1 Claim. (Cl. 296—141.)



In a curtain for automobiles having a top and bows, of stiff fabric curtain sections hinged together and adapted to fold upon each other, of means secured to said top for supporting said curtains comprising a rod, and means whereby said curtains can be slid past each other.

1,543,193. TYPEWRITING MACHINE. CHARLES E. SMITH, Brooklyn, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Nov. 8, 1924. Serial No. 748,515. 22 Claims. (Cl. 197—110.)

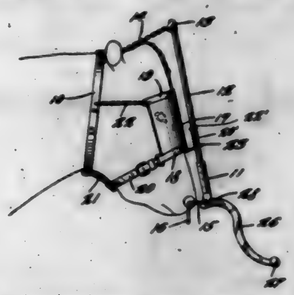


1. In a typewriting or like machine, the combination of a carriage, printing keys, a lock for preventing a printing actuation of said keys, a finger piece for actuating said lock to render it effective, and means which render said finger piece effective to thus actuate said lock only when the carriage is at a given point in its travel.

1,543,194. BULL POKE. CORTE J. SPENCER, Dundee, N. Y. Filed Feb. 27, 1924. Serial No. 695,528. Renewed Jan. 17, 1925. 3 Claims. (Cl. 119—142.)

1. A safety device for animals comprising in combination, a blinder, means for supporting the blinder across the eyes of the animal, a vertically disposed rod arranged directly in advance of the head of the animal, a nose

ring supporting the lower end of the rod, a collar, means connecting the upper end of the rod with the collar, cooperating means carried by the blinder and rod to



assist in supporting the weight of the latter, and a curved arm projecting forwardly and downwardly from the lower end of said rod and capable of upward pivotal movement for the purpose specified.

1,543,195. DEVICE FOR CUTTING UP FETAL AND LIKE OBJECTS IN ANIMALS. JENS PETER NIELSEN THYGESEN, ANDERS THEODOR SØRENSEN, and NIELS PETER SØRENSEN, Langaa, Denmark. Filed July 7, 1921. Serial No. 483,114. 1 Claim. (Cl. 128—317.)



A surgical device comprising two guide tubes integrally connected at their ends and having an enlarged portion at one end; cross pieces connecting said tubes; a handle on the other end of said tubes; and a saw cord carried in said guide tubes and forming a loop adjacent the enlarged end and having adjustable handles at each end of said cord.

1,543,196. CALCULATING MACHINE. FRANZ TRINKS, Brunswick, Germany. Filed Mar. 19, 1924. Serial No. 700,842. 3 Claims. (Cl. 235—73.)



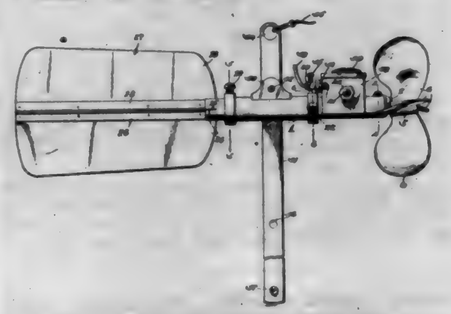
1. In a calculating machine, the combination with revolution counting mechanism comprising numeral wheels, of signalling means, a member rotatable coaxially of the numeral wheels and carrying two operating members for the signalling means spaced from each other a distance corresponding to two values of the numeral wheels of the revolutions counting mechanism, resetting means for said member, and carrying means intermediate the revolutions counting mechanism and said member.

1,543,197. EXPANSIBLE CLAMP. CHRISTIAN D. ULRICH, North Little Rock, Ark. Filed Dec. 1, 1924. Serial No. 753,400. 3 Claims. (Cl. 144—299.)



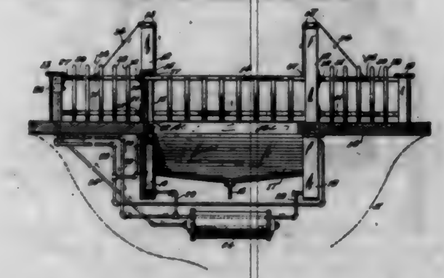
1. In a device of the class described in combination, a U-shaped housing, a movable bar adapted to fit in the said U-shaped housing, an arm at right angles to the said movable bar, notches at the outer end of the said movable bar, a pin for engaging the said notches, a lower jaw, means for adjusting the position of the said lower jaw, a block having a flange at the bottom of the U-shaped housing, and an adjusting screw in the said arm.

1,543,198. WATER METER. MARION I. WALTERS, Washington, D. C. Filed Sept. 12, 1923. Serial No. 662,289. 1 Claim. (Cl. 73—37.)



A water meter comprising a horizontally disposed tubular casing open at its ends, said casing having an upwardly projecting housing, said housing having an opening communicating with the interior of the casing, a shaft having pointed ends extending transversely of said housing, adjustable screw bearings having recesses in their ends for receiving the ends of said transverse shaft, a worm wheel fixed to said transverse shaft, said casing having roller bearings at its front end, and a plug in the other end thereof, an adjustable screw bearing mounted in said plug and having a conical point, a propeller shaft, supported at opposite ends by said roller bearing and said point bearing, said propeller shaft having a worm intermediate its ends meshing with said worm wheel, and a propeller for rotating said propeller shaft.

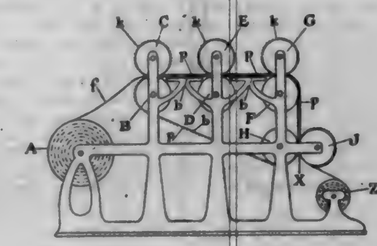
1,543,199. GATE. CHARLES J. WINEBRAKE, Newark, N. J. Filed Oct. 22, 1924. Serial No. 745,186. 6 Claims. (Cl. 39—8.)



1. A gate comprising a main gate, a support for the gate above the roadway, the roadway having a recess into which the gate can descend, side gates pivoted on the support and adapted to collapse toward the support when raised, and a connection between the main gate and side gates whereby the lowering of the main gate opens the side gates.

2. A gate comprising a pair of standards projecting above the roadway, a gate slidable with its ends in the standard, the roadway having a recess to receive the gate, a pressure mechanism under each standard and connected to the sides of the gate to lower and raise the same.

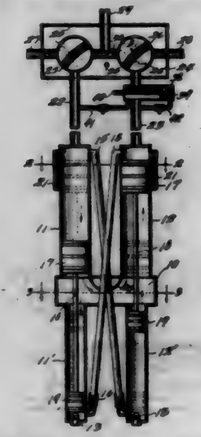
1,543,200. PROCESS AND APPARATUS FOR ORNAMENTING SHEET MATERIAL. JAY OTIS BALL, Bogota, N. J. Filed May 31, 1924. Serial No. 717,067. 2 Claims. (Cl. 101—23.)



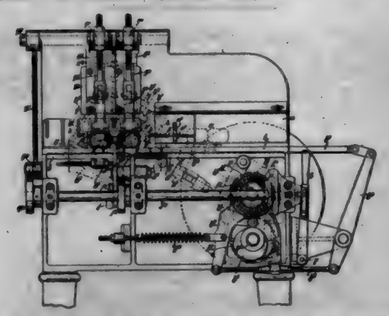
1. In an apparatus for ornamenting sheet material, the combination with printing rollers adapted to apply different colors, of a goffering roller, and an endless belt for feeding said sheet material to said rollers, with recesses in said belt to engage projections on the rollers to prevent lateral movement of the sheet material while it is being subjected to the ornamenting operations, whereby registration of the printing and goffering rollers is secured.

1,543,201. PUMPING APPARATUS. IVAN C. BELL, Dallas, Tex., assignor to The Gulberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed July 21, 1924. Serial No. 727,307. 9 Claims. (Cl. 103—44.)

1. In a balanced fluid column pumping apparatus, a pair of vertical containers connected for displacing fluid intermediate their ends from one to the other and also connected for displacing fluid from the lower end of each to the upper end of the other, and oppositely disposed pistons, one of the pistons being suspended in one container and the other piston being disposed in the other container, said pistons being counterbalanced by the fluid in the containers.

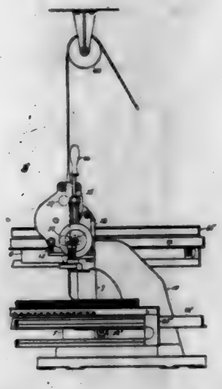


1,543,202. APPARATUS FOR TRIMMING AND SHAPING HOLLOW ARTICLES. GEORGE WILLIAM BERRY, Leeds, England. Filed Mar. 20, 1925. Serial No. 17,002. 34 Claims. (Cl. 29—11.)



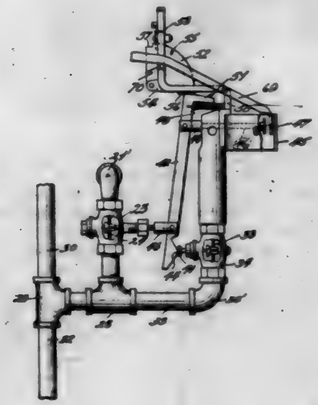
34. In apparatus for trimming and shaping hollow articles, a plurality of dies each adapted to receive an article and including a fixed element and a plurality of elements movable relative to the fixed die element, means for conveying articles to said dies first in close formation and subsequently positioning the articles in spaced relation relative to said dies, means for transferring the articles from the conveying means to the dies, cutters for simultaneously trimming the edges of the articles on said dies, a carrier for said cutters, means for moving said cutter carrier in one direction to trim one part of the articles and then in reverse direction to trim the remainder, means operative in sequence with the cutters for simultaneously shaping parts of said articles on the same dies, co-operating tools operative to shift the movable elements of the dies and the articles relative to the fixed element of the dies during the shaping operation and while maintaining the articles firmly on the dies, and means normally contained within a portion of the fixed die element engaging in the articles and extending through the dies operative for removing articles from the dies after trimming and shaping, said removing means acting also to shift the articles on the dies between the trimming and shaping operation.

1,543,203. AUTOMATIC CUTTING MACHINE. LORENZ KONRAD BRAREN, Munich, Germany. Filed Apr. 11, 1922. Serial No. 551,706. 34 Claims. (Cl. 164—42.)



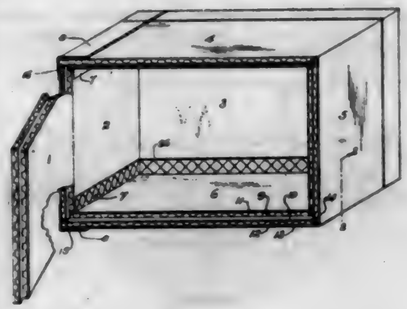
1. In a cutting machine means for feeding the material through the machine, form cutting means for cutting the material into strips according to the design, a transverse cutting mechanism for cutting the material off crossways, a reciprocating pattern table with a master pattern thereon for guiding the said form cutting means and means for actuating these mechanisms.

1,543,204. FLUID-DISPENSER-SUPPLY CONTROL. JOHN J. CATRON, Bonham, Tex., assignor to Catron Manufacturing Company, Bonham, Tex., a Corporation of Texas. Filed Sept. 1, 1923. Serial No. 660,480. 10 Claims. (Cl. 221—100.)



1. In a fluid dispenser control, the combination of a compressed air supply pipe, an air supply valve connected with the supply pipe, a trapped air release pipe, an air release valve connected with the air release pipe, and a common operating means for the valves fulcrumed to initially close the air release and subsequently to change its fulcrum point and open the air supply valve.

1,543,205. NONPILFERING SHIPPING CONTAINER. CHARLES H. CROWELL, Brooklyn, N. Y. Filed Nov. 13, 1920. Serial No. 423,839. 8 Claims. (Cl. 229—28.)



1. The paper board shipping container having joints formed by the edges of the different blanks and double gummed non-pilfering holding strips formed with a distinctive transferable design comprising aniline coloring matter in the gum coating thereon arranged between the edges of said blanks and adhesively secured thereto.

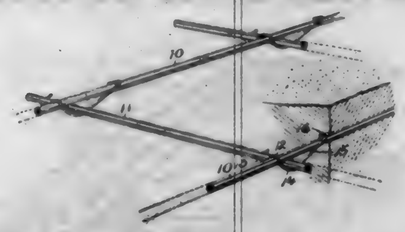
1,543,206. TROLLING SPOON. GEORGE H. DOBBINS, Brooklyn, N. Y. Filed Sept. 8, 1923. Serial No. 661,623. 6 Claims. (Cl. 43—45.)



1. A trolling spoon comprising a body portion provided with an eyelet near one end and with a slot at a substantial distance from the said eyelet, a line ring through said eyelet, a line swivel connected to said ring, a hook, and flexible means connecting the hook to the line ring said connecting means passing through the said aperture whereby the hook will be on the opposite side of the spoon body from the hook connection with the line ring.

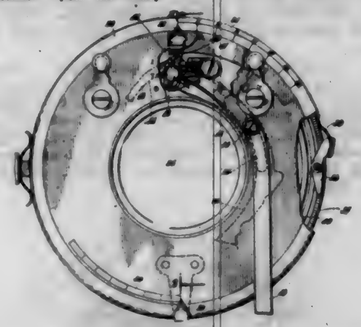
1,543,207. CLIP FOR JOINING CROSSBARS. JOHN EBB, Newark, and ADOLPH MONTAN, West Orange, N. J., assignors to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Filed June 10, 1922. Serial No. 567,330. 1 Claim. (Cl. 72—122.)

A clip comprising a wire bent to form an arched part with its ends bent to form open loops disposed at right angles to and facing in the opposite direction to the arched part, the wire being extended a material distance



beyond the open loop on one side, the end of said extension being bent to lie substantially opposite the arched part and inclined downwardly relative thereto.

1,543,208. EXPOSURE DEVICE FOR PHOTOGRAPHIC CAMERAS. SHERMAN MILLS FAIRCHILD, Oneonta, N. Y. Filed Aug. 14, 1919. Serial No. 317,425. 6 Claims. (Cl. 95—10.)



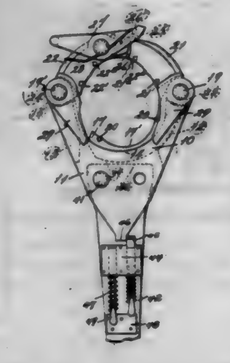
1. In exposure-devices for photographic cameras, in combination, a shutter having speed-varying mechanism and adjustable diaphragm mechanism, a rotatively adjustable ring outside of the shutter and connected with the speed-varying mechanism to adjust the same and thereby vary the exposure time, a rotatively adjustable ring outside of the shutter and connected with the diaphragm mechanism to vary the working aperture, and means operatively connecting the two rings whereby adjustment of one produces a compensating adjustment of the other, said means being releasable at will to permit adjustment of one of said mechanisms independently of the other.

1,543,209. MEDICINE CONTAINER AND SPOON. CLAUDE VICTOR FULTON, Hyde Park, South Australia, Australia. Filed Mar. 17, 1920. Serial No. 366,611. 1 Claim. (Cl. 128—222.)



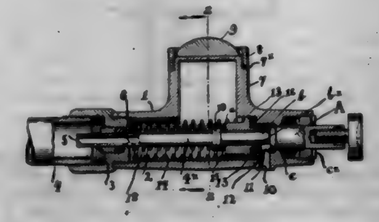
A medicine glass comprising a container having an open and a closed end and a straight wall tapered outwardly toward the open end, a segment of said wall being continued in a straight plane beyond the plane of the open end to provide an open spout, said segment being tapered towards the spout, and having a V shaped lip, substantially as described.

1,543,210. WRENCH. JOSEPH W. KAOUGH, Dallas, Tex., assignor to The Guiberson Corporation, Dallas, Tex., a Corporation of Delaware. Filed Nov. 8, 1923. Serial No. 673,609. 6 Claims. (Cl. 81—66.)



1. In a wrench, the combination of a head having a seat, an arcuate gripping jaw swinging through the seat, means including a handle for displacing the gripping jaw into grippling position, a pair of self latching clamping jaws pivoted on the head, and jaw closing fingers carried by the clamping jaws.

1,543,211. DISPENSING VALVE. LOUIS KOOPERSTEIN, New York, N. Y., assignor to West Disinfecting Company, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1923. Serial No. 676,882. 1 Claim. (Cl. 221—102.)

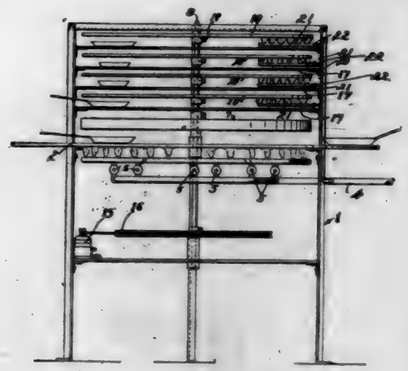


In a dispensing device, in combination, a casing formed with a chamber extending longitudinally therein and a second chamber closed at its upper end and extending transversely of the first chamber in communicating with the latter, and a valve device for controlling the admission to and the discharge of liquid from the casing, the liquid being permitted to flow to the second chamber via the first chamber whereby air is trapped in said second chamber above the liquid, for the purpose described.

1,543,212. COOKING STOVE. THEODORE KURRELL, HEINRICH SCHNEIDER, and JOHN U. FISCHER, San Francisco, Calif. Filed Apr. 12, 1924. Serial No. 706,077. 10 Claims. (Cl. 126—34.)

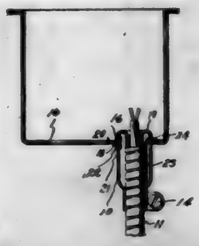
1. A cooking stove comprising a stand, a stationary cooking plate supported by the stand, a burner beneath the cooking plate, said plate having an opening therein, a burner beneath said opening arranged to direct flames

above the plate and a revolvable heating member mounted above and in upwardly spaced relation to said plate in position to have the flames from the second named



burner directed against the under side thereof, the cooking being done between the plate and revolvable heating member.

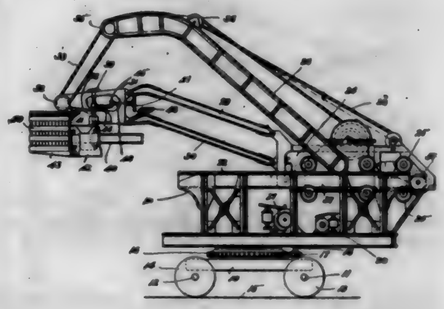
1,543,213. CABLE CONNECTER. ALFRED T. KVARNSTROM, Detroit, Mich., assignor to Samuel Solomon, Detroit, Mich. Filed May 12, 1923. Serial No. 638,468. 2 Claims. (Cl. 247—25.)



1. The combination with a wall having an aperture to receive therethrough a cable, a tubular sheet metal connecter received within the aperture to secure the cable to the wall, said connecter received over the end of the cable and received within the aperture in the said wall and having tongue portions punched from the body thereof held outwardly by the cable extending through the connecter to engage said wall, said connecter body having shoulders punched therefrom engaging said wall on the opposite side, and an annular member receivable within the end of said connecter to partially close such end which annular member has outwardly turned portions engaged in the openings in the body of the connecter formed by the punching therefrom of the said shoulders.

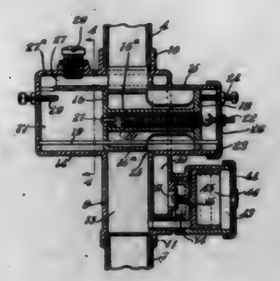
1,543,214. GOOSENECK BOOM FOR BRICKSETTERS. GRAFTON E. LUCE, Chicago, Ill. Filed May 4, 1923. Serial No. 636,675. 2 Claims. (Cl. 214—6.)

1. In a device of the class described, the combination of a platform mounted for longitudinal movement, a frame rotatably mounted on the platform for movement in a horizontal plane, a crowding frame longitudinally movable with respect to said frame, a boom and parallelly arranged arms pivotally mounted on said crowding frame, a frame suspended from the boom and pivotally mounted on said parallelly arranged arms, a rotatably mounted brick carrier on said last



named frame, an operator's seat on said suspended frame, and means on said suspended frame within convenient reach of the operator for rotating said brick carrier.

1,543,215. POWER CONTROLLER FOR PNEUMATIC-DISPATCH SYSTEMS. JAMES G. MACLAREN, Mamaroneck, N. Y., assignor to The Lamson Company, Syracuse, N. Y., a Corporation of Massachusetts. Filed Dec. 3, 1924. Serial No. 753,637. 27 Claims. (Cl. 243—12.)

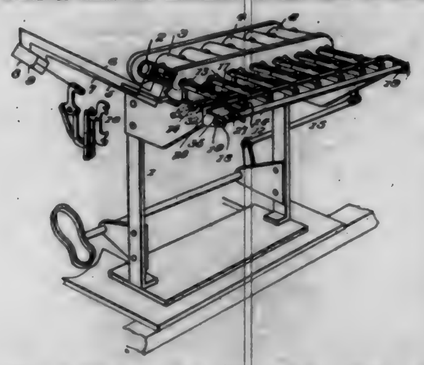


1. A power control apparatus for a pneumatic dispatch system of the vacuum, minimum flow type having a transmission tube and an exhauster, said apparatus having chambers communicating respectively with the transmission tube and the exhauster, a normally closed valve controlling a passage leading from one of said chambers to the other, a, minimum flow from one chamber to the other being permitted when the valve is closed, and means sensitively responsive to pressure change occurring in the chamber communicating with the exhauster to initiate movement of the valve in one direction.

1,543,216. SETTING AND CONTROLLING MECHANISM FOR CONTROLLING MOVEMENT OF DOGS ON SAWMILL CARRIAGES. FREDERICK E. MARTIN, Weed, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed June 19, 1922. Serial No. 569,490. 34 Claims. (Cl. 143—125.)

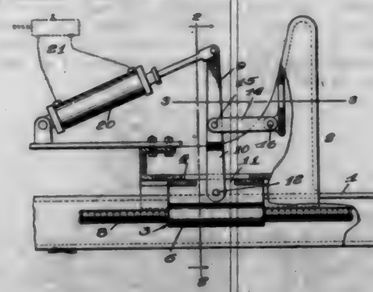
1. Means for controlling and limiting the movement of a dogging device on saw mill carriages, comprising a valve, means for limiting the valve to a full stroke

movement to project the said dogging device to their fullest extent, a movable abutment adapted to be positioned to limit the movement of the valve to cause



partial projection of the said dogging device, and manually operable means adapted to automatically and subsequently affect said abutment for positioning same.

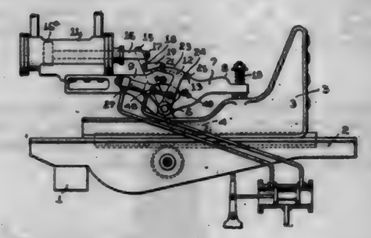
1,543,217. TAPERING MEANS FOR SAWMILL CARRIAGES. FREDERICK E. MARTIN, Berkeley, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Filed Jan. 24, 1923, Serial No. 614,686. Renewed Apr. 10, 1925. 2 Claims. (Cl. 143—120.)



1. A tapering means for saw mill carriages, comprising in combination a knee adapted for sliding movement relative to the head-block, a nut carrier adapted for adjusting movement in a straight line in parallelism with the movement of the knee, a power means, a lever having pivotal connection at the lower end with the nut carrier, whereby said lower end of the lever is movable with the nut carrier at all times in a straight line in parallelism with the knee adjustment, a link connecting the lever above the nut carrier with the knee, and means whereby the power means may operate upon the upper end of the lever in both directions, the relation of the power means and upper end of the lever providing for the sole compensation in the changing vertical distance between the upper and lower ends of the lever as the lever is operated.

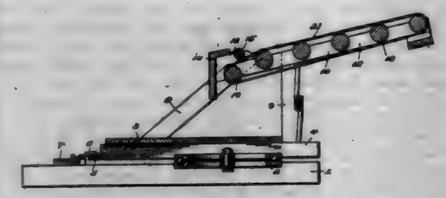
1,543,218. TAPERING MECHANISM. FREDERICK E. MARTIN, Berkeley, Calif., assignor to Martin Air Dog Company, San Francisco, Calif., a Corporation of California. Continuation in part of application Serial No. 569,854, filed June 21, 1922. This application filed Nov. 28, 1923. Serial No. 677,489. 55 Claims. (Cl. 143—120.)

1. In combination, a knee and knee block connected for independent movement of the knee, means for adjusting the knee independent of the knee block, means to limit the adjustable movement of the knee, including teeth and a pawl to cooperate with the teeth, and



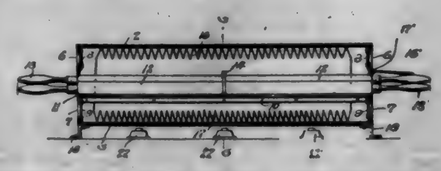
means selectively operable at the will of the operator to subsequently establish which tooth the pawl will engage for limiting the adjustable movement of the knee.

1,543,219. PORTABLE LOADING DEVICE. JOSEPH F. MASON, Fulton, Mo. Filed Aug. 20, 1924. Serial No. 733,140. 1 Claim. (Cl. 198—124.)



A loading device of the character described including a base, a platform, a turn table structure between the base and the platform, standards extending upwardly from the intermediate portion of the platform and inclined rearwardly, other standards extending upwardly from the rear end of the platform, a frame having its forward end supported on the first mentioned standards and its intermediate portion on the second mentioned standard so as to be inclined upwardly and rearwardly, a table on the forward end of said frame, an endless conveyor mounted in said frame and extending rearwardly from under said table, and a guide roller in the frame and disposed between the table and said conveyor and rearwardly of the table.

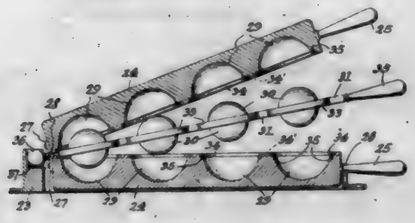
1,543,220. STOVE OR OVEN. FRANCIS G. MATSON, Washington, D. C. Filed Mar. 23, 1923. Serial No. 627,172. 1 Claim. (Cl. 126—39.)



A stove comprising side, end, top and bottom walls, heating elements arranged in the stove adjacent said top and bottom walls, the end walls being provided with

transverse aligned openings intermediate their top and bottom edges, ledges secured to the side walls having their top faces flush with the lower edge of said openings said edges adapted to slidably receive a baking mold, a bar spanning the ledges for limiting the inward movement of the molds on the ledges, and a hinged cover for closing one of the aligned openings when only one baking mold is being used.

1,543,221. DEVICE FOR MOLDING AND BAKING HOLLOW EDIBLE ARTICLES. FRANCIS G. MATSON, Washington, D. C. Filed Jan. 9, 1924. Serial No. 685,265. 2 Claims. (Cl. 107—66.)



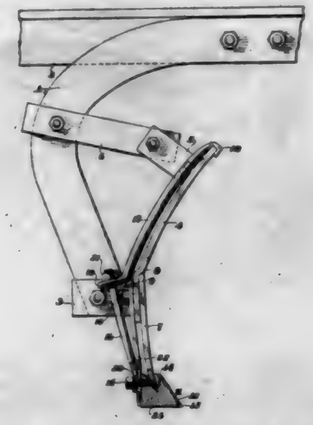
1. A device for molding and baking hollow edible artices, comprising a pair of companion female mold members having recesses formed upon their inner faces, said mold members having cut away portions surrounding the recesses and notches between the recesses, a plurality of double male mold elements to enter the recesses in the mold members, a rod carrying the double male mold elements and adapted for insertion within the notches in said mold elements, flanges formed upon the male mold elements to enter the cut away portions, and means to hinge the female mold members together.

1,543,222. ATTACHMENT FOR ROAD-GRADER BLADES. JAMES HENRY MCVEETY, Memphis, Tenn. Filed Apr. 4, 1925. Serial No. 20,749. 5 Claims. (Cl. 37—179.)



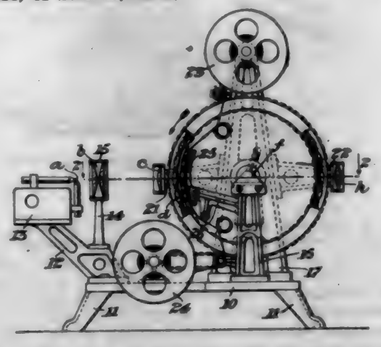
1. A road grader having a moldboard, said moldboard being shaped to form a seat at its lower edge, an angle iron adapted to be secured in the seat, and a cutter having means for connection to the angle iron and provided with a front and rear cutting edge.

1,543,223. SHOE FOR GRADER BLADES. JAMES H. MCVEETY, Memphis, Tenn. Filed Aug. 25, 1924. Serial No. 734,105. 12 Claims. (Cl. 37—179.)



1. In a device of the class described, a substantially rectangular shoe having a tapered front side extending backwardly from a front cutting edge, and means for operatively securing said shoe to a road grader so as to run on the ground below the grader blade.

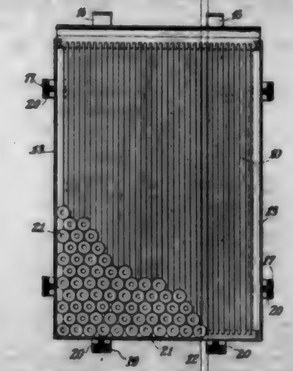
1,543,224. MOVING-PICTURE APPARATUS. EMIL MECHAU, Wetzlar, Germany. Filed May 5, 1921. Serial No. 467,122. 6 Claims. (Cl. 88—16.8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



1. In a moving picture apparatus having a continuously moving picture band, an optical device passing across the path of the light rays in front of the picture band and also behind the same, means for moving the said optical device to deviate the light rays in front of the picture band and to compensate behind the picture band and the movement of the latter, and means for effecting a reversal of image after the light rays are deviated and before the movement of the picture band is compensated.

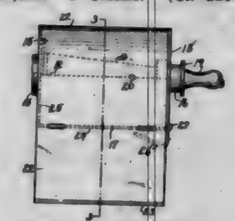
1,543,225. ELECTROLYTIC APPARATUS HAVING FILMED ELECTRODES. RALPH D. MERSHON, New York, N. Y. Filed Oct. 29, 1919. Serial No. 334,176. 11 Claims. (Cl. 175—317.)

9. In an electrolytic apparatus of the kind described, a plurality of filmed anodes arranged side by side; a supporting cage enclosing the plurality of anodes, composed of horizontal and vertical members and strips of insulating material carried thereby, having ribs adapted to engage the anodes on small areas; and spacing devices between the anodes and within said supporting



frame, said devices substantially filling the spaces between the anodes but having openings for the flow of current form anode to anode through the electrolyte and leaving the spaces between the folds of the anodes unobstructed.

1,543,226. PENCIL SHARPENER. MILTON D. MEMBOLE, Milford, Conn., assignor of one-half to George M. Hayes, New Haven, Conn. Filed Feb. 25, 1925. Serial No. 11,436. 3 Claims. (Cl. 120—96.)



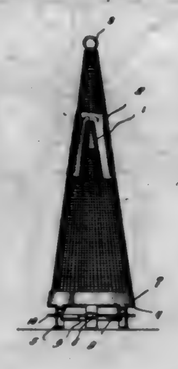
1. A pencil sharpener, comprising a cutter-frame formed from sheet-metal, and comprising front and rear walls, a conical cutter mounted in said walls and provided with a crank, a housing for the reception of said cutter-frame, said housing comprising a floor upon which the cutter-frame rests and a rear wall against which the cutter-frame extends, and means for detachably interlocking the cutter-frame with the housing.

1,543,227. METHOD OF PROTECTING COMMERCIAL PAPER. ISRAEL MINKIN and LOUIS MAGIDSON, Dorchester, Mass. Original application filed Sept. 5, 1924, Serial No. 736,123. Divided and this application filed Mar. 9, 1925. Serial No. 14,088. 4 Claims. (Cl. 101—32.)



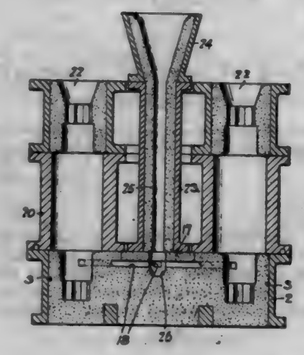
1. The improved process of protecting commercial paper, which consists in perforating a design through the paper, in conjunction with a ribbon to simultaneously color the same.

1,543,228. FLYTRAP. THOMAS A. MORROW, Wilburton, Okla. Filed Oct. 20, 1924. Serial No. 744,805. 1 Claim. (Cl. 43—118.)



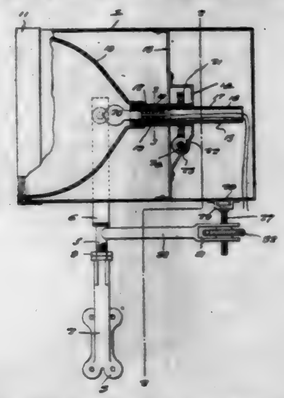
A fly trap of the class described comprising an annular base ring having legs depending from its marginal edge, the free ends of said legs being flared outwardly and the intermediate portions of the legs being bent to provide inwardly opening seats, a bait pan having a marginal flange, the peripheral edge of which is removably received in said seats, an inner wire mesh cone connected at its bottom to the base ring, said cone being provided at its top with a restricted opening, and an outer cone surrounding the inner cone in spaced relation, said outer cone being provided at its bottom with a ring and said ring being provided with circumferentially spaced clips to take over the aforesaid base ring.

1,543,229. PATTERN FOR MAKING ROLLS. WILLIAM H. NICHOLS, Wilkinsburg, Pa. Original application filed Nov. 1, 1922. Serial No. 598,360. Divided and this application filed Mar. 13, 1924. Serial No. 699,043. 7 Claims. (Cl. 22—162.)



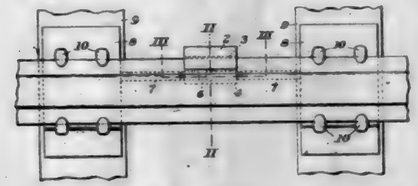
1. Molding apparatus comprising a pattern member and a second pattern member adapted to be laid upon said first-named pattern and to project beyond said first-named pattern member, and a wall-forming block adapted to be inserted into the recess formed by the first-named pattern member, upon removal of the pattern members, to form a wall for the recess produced by the said second pattern member.

1,543,230. ADJUSTABLE HEADLIGHT. MARTIN M. O'LEAR, Brackenridge, Pa. Filed May 21, 1924. Serial No. 714,869. 2 Claims. (Cl. 240—44.)



1. A headlight comprising a casing open at its forward end, a bracket for pivotally supporting said casing, a reflector mounted in said casing, a lamp supported in the casing and extending within the reflector, means for moving the lamp longitudinally in the casing with respect to the reflector comprising a sleeve supported at its forward end in the rear portion of the reflector, a bracket in the casing for supporting the rear end of the sleeve, a tubular member extending longitudinally in the sleeve, a lamp socket in the forward end thereof for supporting the lamp, said tubular member being externally threaded and provided with a longitudinally extending slot on the outer face thereof, a projection carried by the sleeve and operating in said groove for preventing the rotation of the tubular member in the sleeve, a gear wheel supported by the rear end of the sleeve and threaded for engagement with the threaded tubular member, and means for actuating said gear wheel whereby the tubular member is moved longitudinally within the sleeve.

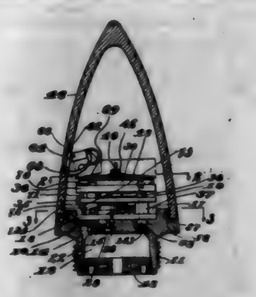
1,543,231. ANTICREEPER. ALPHONSO T. PALMER, Chicago, Ill. Filed July 22, 1924. Serial No. 727,433. 15 Claims. (Cl. 238—315.)



1. A rail anti-creeper, comprising a rail gripping element adapted to grip one edge only of a rail base intermediate adjacent ties, and means cooperating with said element to transmit loads therefrom to the tie plates on said ties to prevent creeping in either direction.

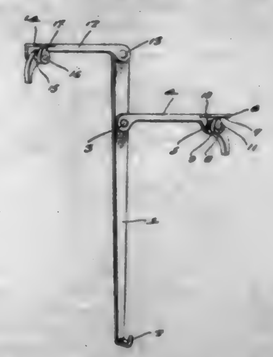
1,543,232. FUSE. CHARLES H. PEARSON, Brookline, and FREDERICK W. BOLD, Chelsea, Mass.; said Bold assignor to said Pearson. Filed Oct. 25, 1920. Serial No. 419,371. 9 Claims. (Cl. 102—36.)

1. In a time fuse, the combination of a base, a timing train mounted thereon, a firing pin controlled in its operation by said timing train, and a primer holding device, normally holding the primer out of the path of movement of the firing pin, means for retaining the said device in said position against accident, said means being operable to release the device on the shock of firing, said device being operable by centrifugal force to move the primer into alinement with said firing pin.



4. In a time fuse, the combination of a base, a timing train mounted thereon, a driving spring for said train, and means for winding said driving spring from both the top and bottom of said base.

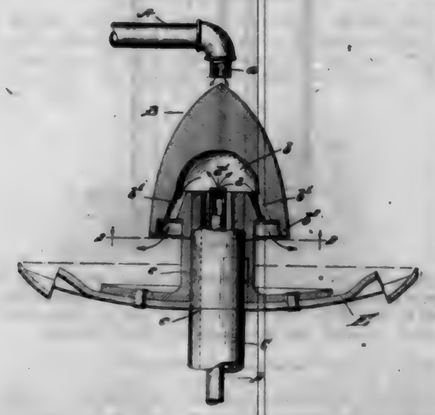
1,543,233. WIRE STRETCHER AND SPLICER. JACOB O. PRESCOTT, Forest City, Iowa. Filed Mar. 17, 1924. Serial No. 699,788. 1 Claim. (Cl. 254—81.)



A wire stretcher of the character described including a lever, a pair of arms pivoted to the lever, a pair of lateral flanges having corrugations on the under sides thereof one flange being formed integral with the free end of each arm, a pivot pin mounted upon each of the arms and spaced from the under side of the flange, a cam member pivoted upon each pin and adapted to clamp the wire against the flange, and an oval-shaped plate independently pivoted on the pivot pin of each arm and on the outer face of the cam member and adapted to bridge the space between the pin and the flange in a manner so as to allow the wire to be enclosed and safely adjusted through the space even though the cam member is out of engagement with the same.

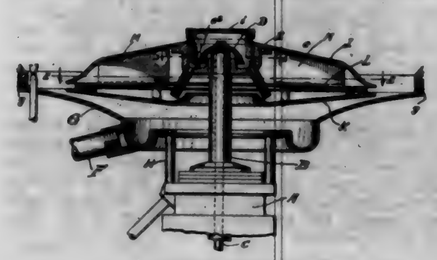
1,543,234. PREHEATING AND DISTRIBUTING DEVICE FOR ROTARY OIL BURNERS. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 20, 1923. Serial No. 658,443. 6 Claims. (Cl. 158—77.)

4. In a rotary oil burner, a vertical hollow shaft carrying a spray-plate, a fuel distributor or spreader and pre-heating device mounted on said shaft over said spray-plate; said device consisting of a metal body having a thick upper portion tapering to a pointed end and an enlarged lower portion terminating in a depending marginal extension or flange, and also having a gas receiving chamber therein and gas exit ports leading downwardly from said chamber, for maintaining a pilot light; said extension or flange projecting beyond the delivery end of said gas exit ports, a gas feed pipe



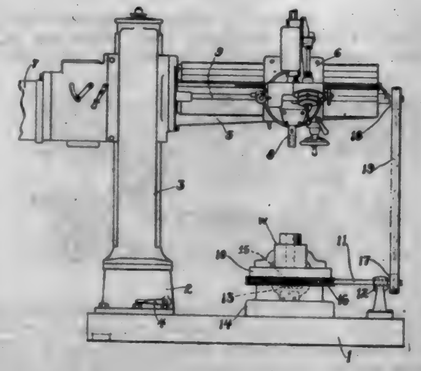
extending through said shaft into said gas receiving chamber, and a fuel feed pipe having its delivery end arranged over the pointed end of said body, whereby fuel delivered by said feed pipe on the pointed end of said body is spread over the surface thereof by gravity and distributed over the surface of said spray-plate by centrifugal force.

1,543,235. OIL-DISTRIBUTING HEAD. JOHN SCHEMINGER, Jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,267. 5 Claims. (Cl. 158—77.)



5. In combination with a supporting base or standard, a tubular vertical shaft having its bearings in said standard, a feed pipe extending up through said shaft and having secured on the upper end thereof an oil spreader of bowl-shaped form, a distributing head comprising an annular distributing plate having a cup-shaped hub portion mounted on said shaft, a cover plate of substantially dish-shaped form inverted supported upon said cup-shaped hub portion, an annular plate supported between said first named plates and having a central opening therein through which said shaft extends; the peripheral portions of said top and bottom plates terminating in close proximity, and said intermediate plate terminating short of the terminals of said top plate; said cup-shaped hub portion having discharge ports in its bottom and tubes or pipe sections connecting said ports with the space around a central opening in said distributing plate between it and the inner circumference of said intermediate plate.

1,543,236. ROTATING TABLE FOR RADIAL DRILLS. WILLARD T. SEARS, Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y., a Corporation of New Jersey. Filed July 28, 1921. Serial No. 488,233. 6 Claims. (Cl. 77—28.)

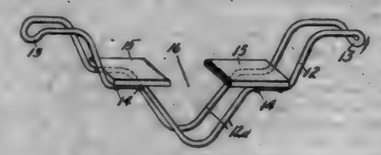


1. In a drilling machine, the combination of a bed, drill supporting mechanism comprising a vertical column on the bed and a horizontal arm supported solely by and movable vertically on the column, drilling mechanism including a drill spindle carried by the arm, a shaft carried by the said suporting mechanism for driving the spindle, power means operatively connected to the shaft for rotating the same, a rotary work support on the bed, a shaft having a worm thereon operatively engaged with a worm wheel on the work support, and means providing an operative connection between the two shafts for continuously rotating the work support at a relatively slow speed.

1,543,237. PROCESS FOR IMPROVING THE PHYSICAL PROPERTIES OF ELECTROLYTICALLY DEPOSITED COPPER SHEETS. SHINGO SONODA, Kyoto, Japan. Filed June 12, 1923. Serial No. 644,962. 7 Claims. (Cl. 148—11.)

1. A process for improving the physical properties of an electrolytically deposited copper sheet comprising annealing the sheet at a temperature of from 300° C. to 800° C. for a duration of 5 minutes or more, rolling the same at a circumferential speed of not more than 450 feet per minute, and pickling the sheet with dilute sulphuric acid.

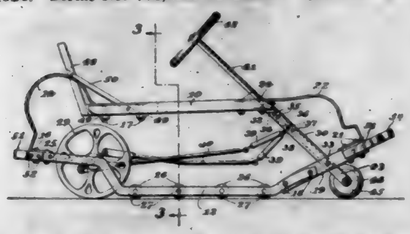
1,543,238. BATHTUB ADJUNCT. DWIGHT C. STURGES, Melrose, Mass. Filed Mar. 3, 1924. Serial No. 696,412. 1 Claim. (Cl. 4—185.)



A bath-tub adjunct comprising a bridge composed of a stiff metal rod bent to form parallel elongated stringers and transverse necks connecting the end portions of the stringers, the stringers including end portions formed to bear on opposite edges of the tub, seat-supporting portions offset downward from the end portions, and looped central portions offset downward from the seat-supporting portions; and an interrupted seat composed of two seat sections, fixed to the seat-supporting portions, spaced apart by the looped central portions and separated

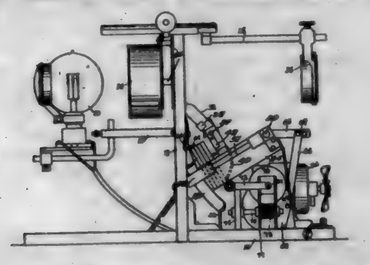
from each other and from the looped central portions, by a working space accessible from points below and at opposite edges of the seat sections, the stringers being spaced apart, so that they are adapted to prevent the seat sections from tipping.

1,543,239. COMBINED SLED AND VELOCIPEDE. MARTIN TATOSIAN, Bridgeport, Conn. Filed Oct. 28, 1924. Serial No. 746,284. 4 Claims. (Cl. 208—113.)



1. A sled of the character described, comprising spaced apart metallic runners each consisting of a pair of spaced apart strips having rollers between them, upper rails having a seat, metallic springs supporting said upper rails upon said metallic runners, rear wheels mounted in said metallic runners, means whereby said rear wheels can be rotated, a steering column supported from said upper rails, a front wheel upon said steering column, and means for adjusting said steering column upwardly and downwardly with respect to said upper rails, whereby said front and rear wheels and said rollers can engage the ground, or said rollers can be adjusted above the plane defined by the lower edges of said front and rear wheels.

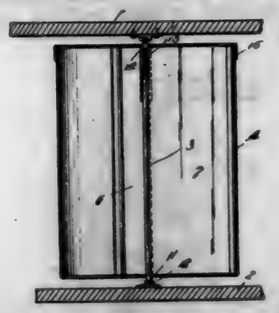
1,543,240. AUTOMATIC PICTURE-DISPLAY APPARATUS. HARRY TEETER, Spokane, Wash., assignor of one-third to Edmund D. Beeman and one-third to George M. Denham, both of Spokane, Wash. Filed June 4, 1923. Serial No. 643,236. 4 Claims. (Cl. 88—28.)



1. An automatic picture display apparatus, comprising a magazine with curved walls whereby the slides rest on a rearward angle, means for supporting the slides at a point of display, means for successively elevating the slides from the magazine to the point of display, means for elevating a slide to the point of display and to the rear of a slide already at the point of display, and means for discharging the slide first at the point of display after the succeeding slide has been placed at the point of display, and means for returning the same to the magazine by steps or interruptions including a table for receiving the same from the point of display and conveying them in the fall to the magazine.

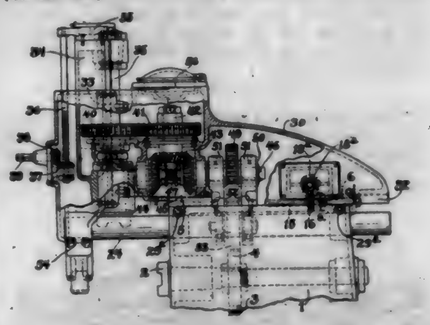
1,543,241. FLOUR BIN. ATTIE WRIGHT, Marshfield, Wis. Filed Apr. 30, 1923. Serial No. 635,750. 1 Claim. (Cl. 211—6.)

A bin adapted to be supported between bearings applied to fixed objects comprising a body of general cylindrical form and having a flat side section which extends from end to end of the body, a cover for the body, the shaft section fixed centrally in the body and adapted to



engage in one of the bearings, a pivot member alined with the shaft and passing through the cover and adapted to engage in the other bearing, and a spring interposed between the shaft and the pivot member.

1,543,242. MILLING MACHINE. FREDERICK C. ALLEN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Jan. 14, 1922. Serial No. 529,333. 18 Claims. (Cl. 90—16.)



1. In a milling machine, the combination of a column and a cutter supporting overarm construction comprising a main overarm mounted on the column and a plurality of bracing elements therefor, the said elements being secured to the column, extending outwardly therefrom beneath the overarm and secured to the outer end of the overarm.

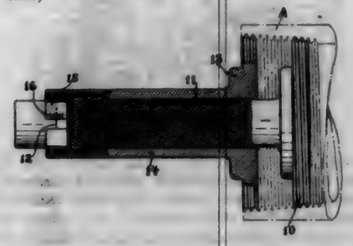
1,543,243. SHOCK ABSORBER FOR MOTOR CARS AND OTHER MOTOR ROAD VEHICLES. FULLERTON GEORGE GORDON ARMSTRONG, Beverley, England. Filed Oct. 1, 1923. Serial No. 666,013. 2 Claims. (Cl. 267—10.)



1. A shock absorber comprising a stationary drum having a pin which projects on one side of it, said drum having also a circumferential slot, a pivoted arm which projects through the slot, a flexible connection secured

to the projecting end of the arm and bearing on the drum, a spring arranged in the drum and secured to the said arm, a plate for adjusting the strength of the spring provided with a series of holes for engaging with the said pin, and means for securing the plate to the drum.

1,543,244. TAPER GAUGE. BRYANT H. BLOOD, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Mar. 29, 1922. Serial No. 547,829. 10 Claims. (Cl. 33—199.)



1. A gauge for bodies having conical surfaces comprising in combination, a gauge member adapted to contact with a portion of the conical surface being gauged, a second gauge member adapted to contact with another portion of said surface axially spaced from said member, said members being relatively rotatable while in operative position, and means to indicate the relative positions of said gauge members when in gauging positions.

1,543,245. VARIABLE-TEMPERATURE METHOD OF CURING AND TREATING TOBACCO. ALFRED CHARLES BUDNSOD, New York, N. Y. Filed Mar. 14, 1917, Serial No. 154,843. Renewed Nov. 21, 1924. 8 Claims. (Cl. 131—6.)

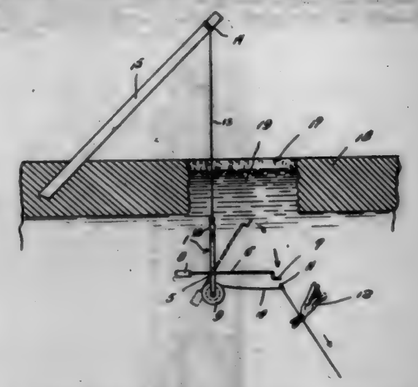
6. A method of curing and treating tobacco which consists in subjecting it in darkness, for a sufficient time, to air currents having a temperature of from 70° to 80° F. and a relative humidity of from 78% to 82%, then gradually raising the temperature of the air to from 90° to 100° F., while maintaining the relative humidity thereof as before, until the surplus food content in the leaf has been consumed and the cells have died, then continuously increasing the temperature of such air currents until the temperature reaches a point between 120° and 130° F., while still maintaining the same percentage of relative humidity thereof, and then lowering the temperature of the air to from 75° to 85° F. and raising the relative humidity thereof to from 80% to 85%, until the necessary moisture content has been supplied for avoiding breakage in handling or for further treatment.

1,543,246. SNAP CATCH FOR HOOKS. PETER E. BURNS, Syracuse, N. Y., assignor of one-half to Frank L. Morse, Ithaca, N. Y. Filed June 7, 1924. Serial No. 718,441. 3 Claims. (Cl. 24—238.)



1. A fastening link terminating in a hook which forms an eye and means for closing the eye comprising a clip formed with a sleeve slidable on the bill of the hook and a resilient portion extending at an angle from the sleeve and at an angle to the bill of the hook across the open side of the hook and frictionally engaging the shank of the hook opposite the bill.

1,543,247. FISHING DEVICE. EDWARD J. CARPENTER, Port Ewen, N. Y. Filed Feb. 18, 1925. Serial No. 10,072. 3 Claims. (Cl. 43—17.)



1. A fishing device of the class described comprising a supporting member, a suspension cable connected to said member, a frame carried by said suspension member, a reel carried by said frame, a signalling member, a fishing line wound upon said reel, said signalling member being carried by said line, and a counterbalanced weighted rod mounted upon said frame and serving to maintain said signalling member in a readily visible position.

1,543,248. COMBINATION GARMENT HANGER. CLEON A. CHEESMAN, Lake Placid, N. Y. Filed June 7, 1924. Serial No. 718,624. 1 Claim. (Cl. 45—13.)

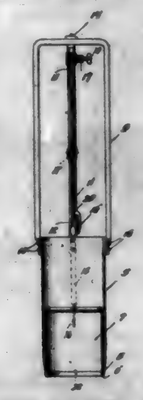


A garment hanger comprising a single piece of metal embodying a relatively wide portion forming a stationary jaw, and a relatively narrow portion joined to said wide portion, said narrow portion including a vertically disposed part, a laterally bent horizontal part, and a downwardly bent second vertical part disposed in spaced parallelism to said first named vertical part, said last named vertical part constituting an attaching bracket, the aforesaid wide portion being indented across its lower end to form a clamping rib; a coacting movable jaw pivoted upon said relatively narrow portion of the aforesaid piece of material, said movable jaw being provided on its lower edge with depending projections and a channel for reception of the rib, and yieldable means for normally maintaining said movable paw engaged with said stationary jaw.

1,543,249. CARTON FILLER. WILLIAM H. CRAVEN, Phillipsburg, Pa. Filed Sept. 3, 1924. Serial No. 735,020. 1 Claim. (Cl. 226—19.)

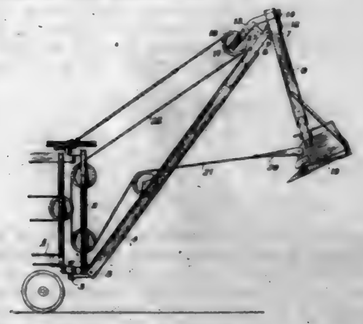
A carton filled of the class described comprising an open ended comparatively long cylinder provided at its bottom with cutting edge and an internal shoulder, said cylinder being adapted to receive the carton to be filled, a U-shaped bail, the arms of which are attached to the

upper end of said cylinder, a tubular and slotted guide secured at its lower end to the cylinder and having its upper end directed laterally inward and connected to the intermediate part of the bight of said bail, a rod slidably mounted in said guide, said rod being provided at its



lower end with a pointed spur intended to penetrate the bottom of a carton, said spur being connected to the rod through a laterally directed part movable in the slot of said guide, and retaining means carried by the upper end of the rod and slidably mounted upon the guide for holding the rod in said positions.

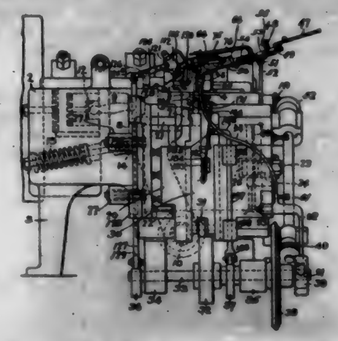
1,543,250. EXCAVATING MACHINE. ROBERT REX DOWNIE, Beaver Falls, Pa., assignor to Keystone Driller Company, Beaver Falls, Pa., a Corporation of Pennsylvania. Filed Jan. 8, 1925. Serial No. 1,278. 10 Claims. (Cl. 214—138.)



1. In an excavating machine, the combination of a boom mounted to move upwardly and downwardly, a member pivotally connected to the outer end of the boom, a scoop carried by said member, a hoisting line, means connecting the hoisting line to the scoop carrying member at a point above the pivotal connection of the latter to the boom, and means automatically preventing relative motion of said connecting means and the scoop carrying member during a certain part of the operating cycle.

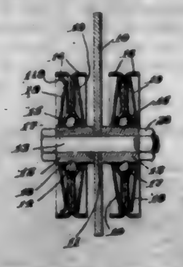
1,543,251. MECHANISM FOR FEEDING BLANKS AND THE LIKE. CHARLES FARRINGER, Carrick, Pa., assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Original application filed Sept. 7, 1923, Serial No. 661,425. Divided and this application filed July 22, 1924. Serial No. 727,587. 9 Claims. (Cl. 10—165.)

1. Feeding mechanism comprising an inclined feed table, means for gaging blanks upon said table, means for releasing blanks one by one from the lower end of said table, a carrier adapted to receive said blanks as



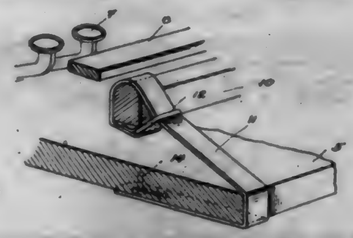
released from said table, and means associated with said carrier for again gaging the said blanks while being transported by said carrier.

1,543,252. ANTIFRICTION BEARING. CLAUD E. FULLER, New York, N. Y. Filed Jan. 11, 1923. Serial No. 612,014. 1 Claim. (Cl. 64—22.)



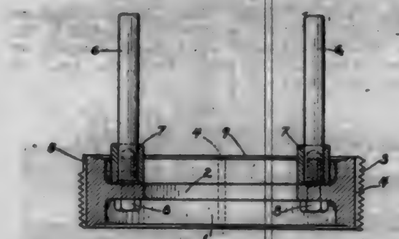
An improved anti-friction roller comprising a stationary hub, cone shaped dust and dirt excluding discs mounted on said hub and converging inwardly at their peripheries to define a substantially circular cone shaped chamber, and a wheel having its body portion lying in the substantially circular cone shaped chamber and having its periphery lying in a cylinder and housing the periphery of the dust excluding cones.

1,543,253. SECURING MEANS FOR TYPEWRITERS. WALTER H. GERWIG, Parkersburg, W. Va. Filed July 9, 1924. Serial No. 725,029. 1 Claim. (Cl. 46—52.)



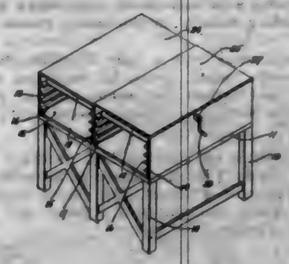
A securing device for attaching a typewriter to a support or the like, comprising a body portion, one end of which is curved to pass over the front bar of the typewriter, and the opposite end of which is return bent whereby it is adapted to pass around and coact with the front edge of the said support.

1,543,254. THREAD GAUGE AND METHOD OF MAKING THE SAME. CLARENCE L. GOODRICH, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed May 28, 1921. Serial No. 473,328. 4 Claims. (Cl. 33—190.)



1. A large thread gauge comprising an integral ring of steel which has been toughened by heat treatment to have a Brinell reading of approximately 285, the gauging surface of the ring being provided with unground screw threads cut therein after the said heat treatment.

1,543,255. ICE-CREAM OVEN. LOUISE GORDON, New York, N. Y. Filed July 14, 1924. Serial No. 726,054. 1 Claim. (Cl. 126—275.)



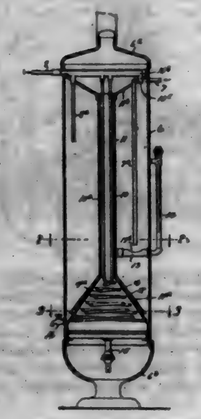
In an oven for roasting ice cream comprising a base having walls forming seperate compartments, ledges on said walls, and sliding doors covering said oven, sleeves on the side walls of said oven, threaded studs passing into said oven and being rotatable in said sleeves and a crank for rotating said stud, an ear on each door having a threaded opening therein, said ear receiving the stud threadably therein, said stud when rotated being adapted to move said door in either direction.

1,543,256. VEHICLE FUEL-TANK FILLER-CAP LOCK. HERBERT M. GRANT, San Diego, Calif. Filed Mar. 14, 1922. Serial No. 543,621. 4 Claims. (Cl. 220—24.)



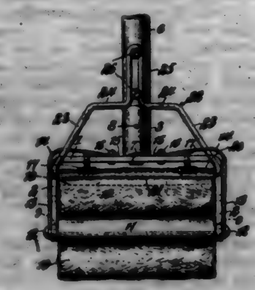
1. In a device of the class described, the combination with a vehicle fuel tank of a filler cap, a flexible cable secured to said cap, a collapsible ring secured to the free end of said cable and a float secured to said collapsible ring.

1,543,257. STAND BOILER. MAX GREENBERG, Cleveland, Ohio, assignor of one-half to Herman S. Kanton and one-half to Sadie Greenberg, both of Cleveland, Ohio. Filed Nov. 8, 1922. Serial No. 599,671. 1 Claim. (Cl. 122—18.)



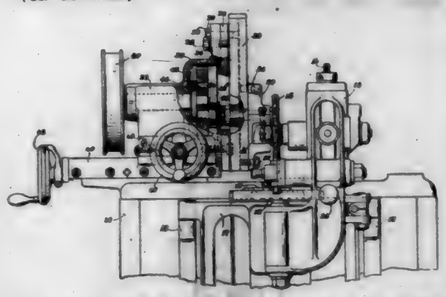
A stand boiler having a tank with a central flue, provided with conical sections at the top and bottom, a transverse header in the upper conical section of the flue, a water heating pipe connected at opposite ends to the header and to the tank, and extending downwardly thru the flue and formed into a coil in the lower conical section, a burner under the coil, a connection between the header and the top of the tank, and another connection between the header and the tank, the latter connection extending downwardly into the tank below the first mentioned connection, said connections being independent of the water heating pipe.

1,543,258. COMBINED MOP AND WRINGER. JACOB H. HARRISON, Falls City, Nebr. Filed Sept. 6, 1924. Serial No. 736,339. 2 Claims. (Cl. 15—119.)



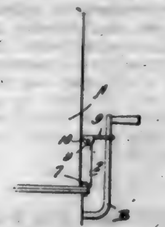
1. A mop and wringer comprising a handle, a transverse bar attached to the handle and having terminal, arms provided with longitudinal slots in their terminals, a roller having trunnions mounted to slide in said slots, opposite angular leaf-springs secured to the said transverse bar and having their free ends engaging the trunnions to force the same into the slots, set screws mounted in the bar to bear against the under sides of said springs to adjust the tension of the same, and a stationary roller mounted between the arms above the first roller and adapted to co-act therewith to wring a mop cloth.

1,543,259. CONTOUR TOOL GRINDER. JOHN HARTEN, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 10, 1922. Serial No. 551,240. 16 Claims. (Cl. 51—100.)



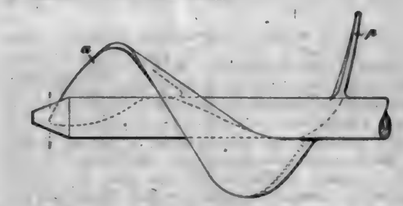
1. A tool grinding machine comprising in combination, a base, means on the base to reciprocate the tool in an oblique plane, grinding means movably mounted on said base and adapted to contact with a surface of said tool, and a former and former pin respectively on said base and grinding means whereby said grinding means may be guided to grind a predetermined contour on said tool.

1,543,260. STARTING-CRANK HOLDER. PAUL E. HERR, Watseka, Ill. Filed Jan. 22, 1925. Serial No. 4,046. 2 Claims. (Cl. 74—33.)



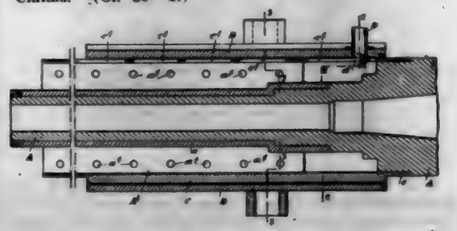
1. A device of the class described comprising a bracket, the same being secured at its lower end on the front of a radiator of a motor vehicle directly behind the usual starting crank, a pair of rearwardly extending ears provided on the upper end of said bracket, a yoke member, downwardly extending ears formed on the inner end thereof cooperating with the aforementioned ears, a pin extending through said ears for pivotally supporting the yoke member at its inner end on the upper end of the bracket, said yoke member adapted to rest on the upper edge of the bracket when disposed in an operative position, the forward end of the yoke member being provided with a cut out portion for receiving the upper portion of the starting crank for holding the latter in an upright inoperative position.

1,543,261. PROPELLER. PAUL HICKMANN, Chemnitz, Germany. Filed June 4, 1924. Serial No. 717,863. 2 Claims. (Cl. 170—156.)



1. A propelling screw having a blade of a diameter decreasing in length from the front to the rear end with its generatrix at the front end approximately perpendicular to the axis of the shaft and adopting a gradually increasing inclination towards the rear end thereof, whilst the pitch increases from the front end towards the rear end.

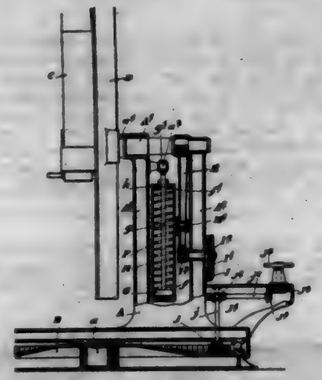
1,543,262. QUICK-FIRING GUN. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Jan. 3, 1925. Serial No. 429. 10 Claims. (Cl. 89—1.)



3. A device of the class described comprising a cradle provided with horizontal and vertical grooves, a sleeve having ribs slidably engaging said grooves, the vertical ribs having vertical clearance and the horizontal ribs having horizontal clearance in said grooves, a gun secured to said sleeve, a hoop surrounding said gun and provided with radially extending cooling members having engagement with said sleeve, and means for admitting the cooling medium to the spaces formed between said ribs.

7. In combination with a pair of alternating recoiling gun barrels, rotary means for supplying a cooling medium to said barrels and means utilizing the recoil energy of the barrels for actuating said rotary means.

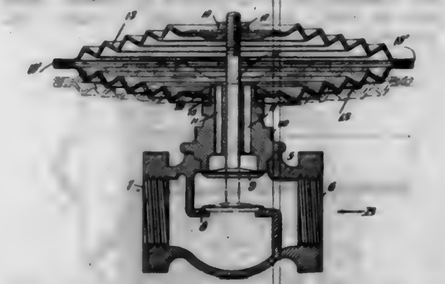
1,543,263. PIECE OF ARTILLERY. NICOLAS EMILIEN METHLIN, Paris, France, assignor to Schneider & Cie., Paris, France, a Limited Joint Stock Company of France. Filed Jan. 3, 1925. Serial No. 430. 9 Claims. (Cl. 89—37.)



1. A piece of artillery comprising a carriage having a pair of side plates, a pivoting shaft journaled in said plates, an overhung gun cradle secured to the pivoting shaft, a gun carried by said cradle, an elevating sector secured to said shaft, elevating mechanism mounted on the carriage and operatively engaging said sector, and means secured to said pivoting shaft for balancing the force of gravity opposing the elevation of the gun.

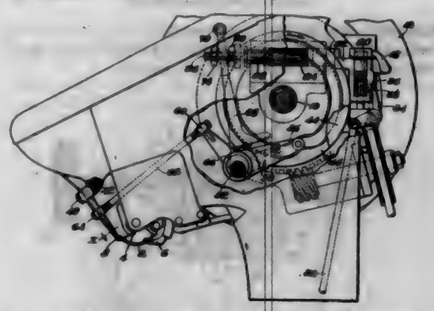
4. A piece of artillery comprising a carriage, a shaft journalled therein, conjugated guns secured to the opposite ends of said shaft, and elevating mechanism operatively engaging said shaft.

1,543,264. VACUUM-CONTROLLED REGULATOR. PORTER A. MORGAN, Bartlesville, Okla. Filed Sept. 21, 1923. Serial No. 664,062. 2 Claims. (Cl. 137—153.)



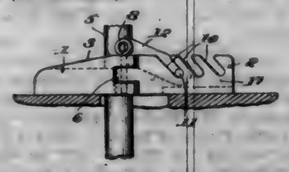
2. A vacuum controlled valve including a body portion having a valve seat, a plug in the valve body and having openings, a diaphragm supported by the valve body, a valve in the valve body and having connection with the diaphragm, and adapted to seat on the valve seat to restrict the passage of fluid through the valve body, and said valve adapted to normally close the openings in the plug.

1,543,265. INSEAM-SEWING MACHINE. ALFRED R. MORRILL, Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 9, 1918. Serial No. 249,088. Renewed Dec. 9, 1919. Serial No. 343,646. 19 Claims. (Cl. 112—35.)



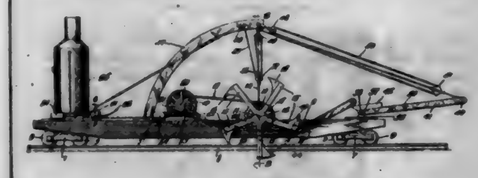
1. A chain stitch inseam sewing machine having, in combination, stitch forming mechanism including a hook needle and a looper, and means acting automatically as the machine is stopped to bring the needle to rest out of engagement with the work at the end of the last cycle of operations and to cause the looper to be shifted during that cycle so as to render its operation ineffective to lay the thread in the needle hook.

1,543,266. CLAMP. DANIEL D. POWELL, Seagraves, Tex. Filed Jan. 2, 1924. Serial No. 684,018. 2 Claims. (Cl. 24—249.)



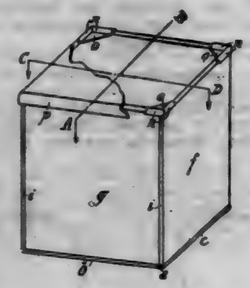
1. A pipe clamp comprising a fixed section and a movable section, means pivotally securing the sides of the movable section to the sides of the fixed section, said fixed section, between its sides having a jaw portion, and a removable and adjustable jaw trunnioned between the sides of the movable section, for the purpose set forth.

1,543,267. DITCH-FORMING MACHINE. LOUIS O. SJOSTROM and MYRON D. SPENCER, Meyers Falls, Wash. Filed May 7, 1923. Serial No. 637,248. 1 Claim. (Cl. 37—96.)



In a ditch forming machine, a wheel supported body, a curved arm extending upwardly from the body, a vertically adjustable shaft mounted on the body, digging elements carried by the shaft, means for rotating the digging elements, a cable having connection with the arm and having connection with the axle for raising and lowering the digging elements, and means for transmitting movement to the axle to rotate the digging elements.

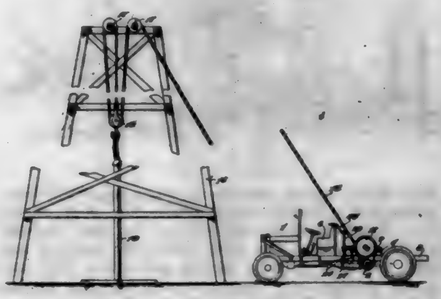
1,543,268. COLLAPSIBLE PACKING CASE OR THE LIKE OF SHEET METAL. ANNA DORA THIEME, Hannover, Germany. Filed Aug. 2, 1924. Serial No. 729,916. 1 Claim. (Cl. 220—6.)



A collapsible packing container of sheet metal including a bottom and side walls, upwardly and inwardly rolled beads continuing from two opposite edges of the bottom, upstanding flanges continuing from the two remaining opposed edges of the bottom, inwardly, downwardly and upwardly rolled beads continuing from the lower edges of the two opposed side walls for lateral sliding engagement with the beads on the bottom for connecting the said side walls to the bottom, inwardly extending flanges continuing from the lower edges of the remaining side walls for contacting engagement with the bottom, interengageable rolled beads continuing from the lateral edges of all of the side walls and adapted for vertically slidable engagement with each other, the beads on the lateral edges of two opposed side walls extending inwardly, outwardly and thence inwardly between the first two folds while the beads on the outer edges of the remaining opposed side walls extend inwardly and outwardly adjacent the main portion so that the parts will be interlocked subsequent to the said vertical sliding engagement, inwardly rolled beads continuing from the upper edges of the side walls, angle clamps for clamping the upper corners of the side walls forming the box, including angularly disposed beaded portions for overlapping engagement with the

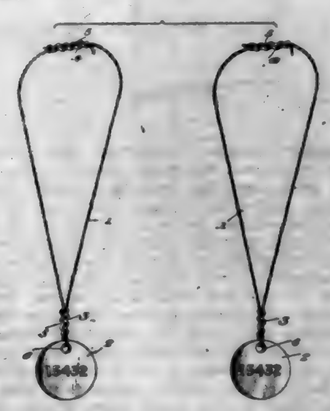
beads on the side walls, and a bridging portion connecting said beaded portion and a flanged cover for frictional engagement with the upper portion of the side walls for closing the container.

1,543,269. WELL PULLING MACHINERY. WILLIAM E. WENTWORTH, San Antonio, Tex. Filed Dec. 7, 1923. Serial No. 679,216. 2 Claims. (Cl. 254—166.)



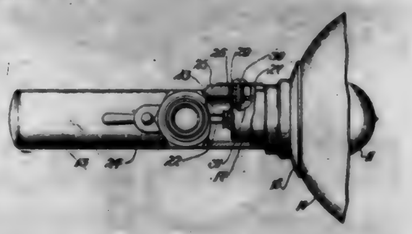
1. In combination with a motor truck, a drum shaft mounted thereon, sprockets loosely fitted upon the drum shaft and adapted to be operatively connected with the power plant of the truck, clutches mounted upon the drum shaft and adapted to lock the sprockets thereto, levers supported for oscillation in advance of the drum shaft and controlling the clutches, a vertically disposed rock shaft supported upon the truck between said levers, means whereby the said shaft may be rocked from the seat upon the truck, and link connections between the said levers and the said shaft.

1,543,270. MOTHER AND CHILD IDENTIFICATION MEANS. JOHN V. ARSONSKI, Philadelphia, Pa. Filed Feb. 25, 1921. Serial No. 447,762. 2 Claims. (Cl. 40—10.)



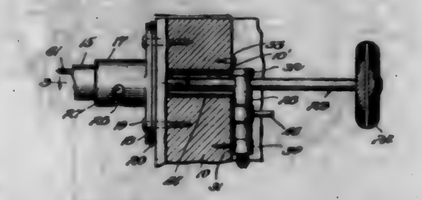
1. Means for identifying a mother with her infant and vice versa from the birth of the infant, comprising two devices, each device being made up of a disk having near its edge an aperture, a chain passed through the aperture of the disk, a seal sleeve receiving the stretches of the chain and arranged adjacent to the edge of the disk and crimped at intervals in its length, and a second seal sleeve receiving the end portions of the chain and crimped at intervals in its length.

1,543,271. FOCUSING DEVICE FOR ELECTRIC LAMPS. ERNST G. K. ANDERSON, Chicago, Ill., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill., a Corporation of Illinois. Filed May 31, 1921. Serial No. 473,647. 1 Claim. (Cl. 240—41.)



A focusing device for electric lamps comprising, in combination with the reflector of a lamp, a tubular member coaxial with the focal axis of the reflector having an intermediate depending pivotal support dividing said member into a forward lamp supporting portion and a rearward handle portion, a focal adjustment member telescopically slidable in the end of said forward portion and provided at its inner end with means for the attachment to a lamp socket, said forward portion being provided with an elongated slotted boss, a laterally flanged plate forming a cover over said slotted boss, and an adjustable locking device passing through said cover plate and extending through said slot into said focal adjustment member.

1,543,272. SPOTLAMP MOUNTING. ERNST G. K. ANDERSON, Chicago, Ill. Filed July 15, 1922. Serial No. 575,364. 10 Claims. (Cl. 240—61.)

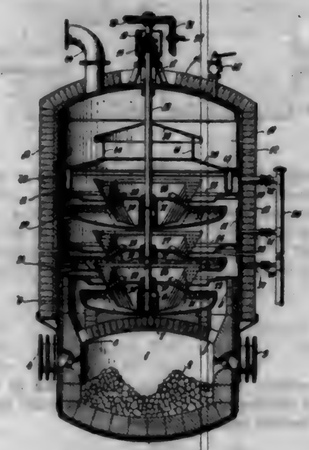


1. A spot lamp mounting for closed body vehicles comprising, in combination with a rocking tubular lamp supporting member, having means of support on a car body wall in line with an opening in said wall, a lamp operating shaft adapted to extend through said tubular supporting member, and said wall opening, an adapter fitting adapted to the inside of the said body wall and disposed at an angle to said shaft, and having an opening through which the shaft extends, and adapters to attach said member to the inner face of said wall, embracing means at the ends of the fitting, angularly and independently adjustable on the axis of the fitting to adapt said fitting to wall faces of varying configurations and to maintain said shaft in line with said supporting member.

1,543,273. POWER FLUID AND METHOD OF PRODUCING SAME. MARK BENSON, New York, N. Y., and FREDERICK H. WAGNER, Baltimore, Md.; said Wagner assignor to said Benson. Filed Apr. 2, 1921. Serial No. 457,903. 5 Claims. (Cl. 60—45.)

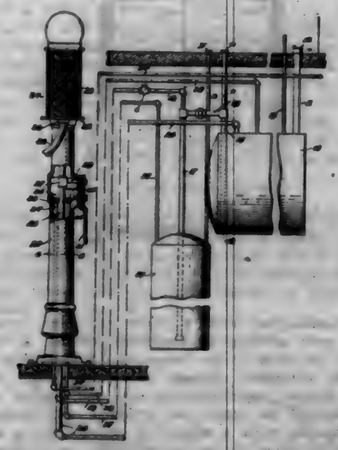
1. In an apparatus for producing a power fluid, the combination of a combustion chamber for burning a fuel under high pressure, a heat insulated compartment in communication with the said combustion chamber, an

open vessel in the said compartment adapted to receive a liquid to be vaporized, a means for continuously supplying the said open vessel with fresh liquid, a means for withdrawing the liquid from the said open vessel



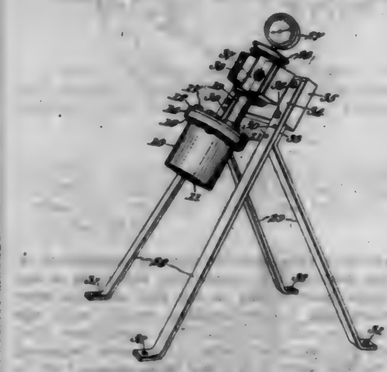
and completely atomizing it, thereby effecting its intimate contact with the products of combustion and causing its instantaneous vaporization, and an outlet for the mixture of vapors and the products of combustion.

1,543,274. LIQUID-DISPENSING APPARATUS. AUGUSTUS BOWERS, deceased, late of Fort Wayne, Ind., by Coite H. Bolens and Charles S. Fair, administrators, Fort Wayne, Ind. Filed Jan. 25, 1921. Serial No. 439,883. 1 Claim. (Cl. 221—74.)



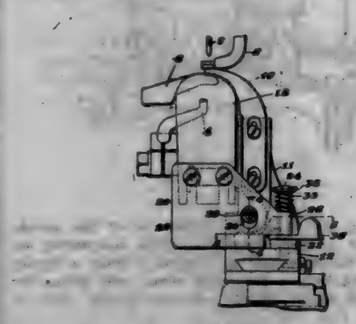
Dispensing apparatus of the class described, including in combination a reservoir, an auxiliary tank and an automatic siphon construction for supplying the latter from the former, a dispensing head including a stand, a supply pipe leading up within said stand connecting said auxiliary tank and head, means for alternately supplying air pressure to the liquid in said auxiliary tank to force it up to said head and releasing said pressure and allowing it to exhaust through said reservoir, comprising a valve casing in said stand, an air inlet pipe extending up within said stand connected thereto at one end, an air outlet pipe leading down said stand to said auxiliary tank connected thereto at the other end, an exhaust pipe connected thereto at a third point near said air inlet connection and leading to said reservoir, and a longitudinally movable valve in said casing normally leaving said air outlet and exhaust pipe in communication but when operated by a longitudinal movement closing that communication and connecting the air inlet and outlet pipes.

1,543,275. AUTOCLAVE OR THE LIKE. J ALLINGTON BRIDGMAN, Owego, N. Y., assignor to The Wilbur White Chemical Company, Owego, N. Y., a Corporation of New York. Filed Apr. 3, 1924. Serial No. 704,076. 8 Claims. (Cl. 23—290.)



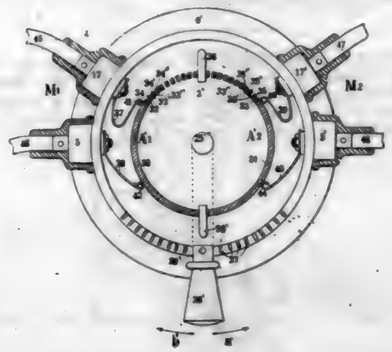
1. In combination, a reaction vessel, means for supporting the vessel in an inclined position, and means for revolving the vessel about an axis parallel to but noncoincident with the axis of the vessel.

1,543,276. WORK GUARD FOR SEWING MACHINES. CHARLES H. COOK, Gardiner, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Nov. 8, 1919. Serial No. 336,654. 11 Claims. (Cl. 112—40.)



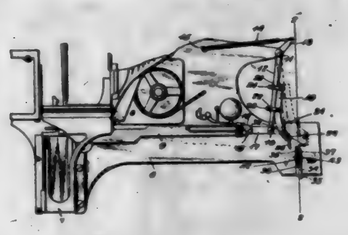
1. A shoe sewing machine having, in combination, a work support and a presser foot arranged to receive the projecting edge of a shoe sole between them, stitch forming devices including a curved hook needle and a looper located on opposite sides of the work support, a guard located between the looper and the work mounted to swing about a vertical axis into and out of operative position, and means for locking the guard in operative position.

1,543,277. RESTORER OF NORMAL IGNITION FOR DUAL-IGNITION APPARATUS OF INTERNAL-COMBUSTION ENGINES. JULES COURTIER, Paris, France. Original application filed July 31, 1923, Serial No. 654,879½. Divided and this application filed Dec. 11, 1923. Serial No. 680,000. 2 Claims. (Cl. 123—148.)



1. An auxiliary apparatus for internal combustion engines having dual ignition, comprising two pairs of conducting organs inserted one in the first and the other in the second high tension ignition circuit; each pair of conducting organs consisting of a continuous blade and a blade divided into a series of contacts separated by gaps; the two sets of contacts being mounted on an insulating support, a control organ to operate this support; fixed brushes bearing on each set of contacts.

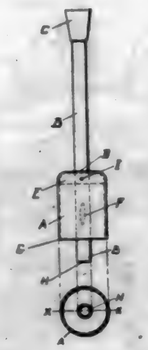
1,543,278. INDICATOR FOR TYPE-CASTING MACHINES. ALBERT M. CRABTREE, Duncan, Okla. Filed Dec. 26, 1922. Serial No. 609,069. 9 Claims. (Cl. 199—30.)



1. Indicating means for the movement of the assembling slide of a type casting machine comprising an arm adapted for reciprocation with said slide, a tappet carried by said arm, a reversible signal and means for mounting said signal on the machine in the path of said tappet.

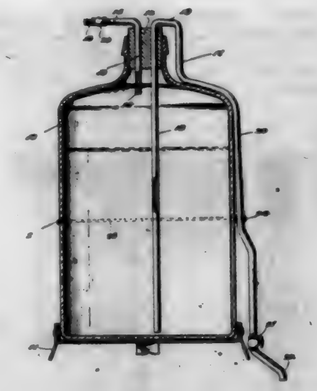
1,543,279. BUBBLE BLOWER. MARTIN R. CROSSMAN, Boston, Mass. Filed Sept. 4, 1923. Serial No. 660,734. 3 Claims. (Cl. 46—31.)

3. A bubble blower comprising a blow pipe having a bubble-forming orifice at one end and a lateral opening spaced inwardly of the bubble-forming orifice, and a bubble-forming base consisting of an outer bowl-shaped element presenting a relatively large bubble-forming orifice and an inner bracing element of cork centrally apertured to fit onto and frictionally engage the said blow pipe for positioning the said bowl-shaped



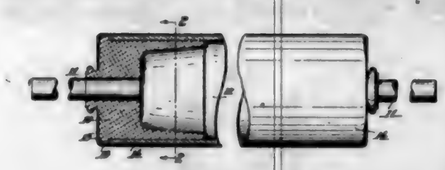
element relative to the bubble-forming end of the blow pipe, said bracing element engaging the blow pipe above the said lateral opening thereof.

1,543,280. SIPHON AND SUPPORTING MEANS FOR THE SAME. JOHN J. DARRAGH, Memphis, Tenn. Filed Feb. 26, 1923. Serial No. 621,378. 1 Claim. (Cl. 137—20.)



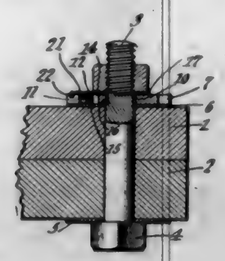
The combination with a liquid receptacle having a reduced neck defining a shouldered portion, a stopper fitted in the neck of the receptacle, a relatively short vent tube extending through the stopper and having one end thereof communicating with the interior of the receptacle and its other end provided with means for communication with a source of air supply, a siphon including an inner leg passing through the stopper and extending to a point near the lower end of the receptacle and an outer leg connected therewith and bent to conform to and resting on the shouldered portion of the receptacle, the lower end of the outer leg of the siphon being offset and extended downwardly, a valve secured to the lower end of the outer leg and provided with a discharge nozzle, and a supporting band encircling the receptacle and provided with a loop through which the outer leg of the siphon extends near its offset portion for holding said outer leg in contact with the shouldered portion of the receptacle.

1,543,281. TABLE ROLL FOR PAPER MACHINES. ERNEST N. DAULTON, Fitchburg, Mass. Filed Jan. 26, 1925. Serial No. 4,663. 1 Claim. (Cl. 92—44.)



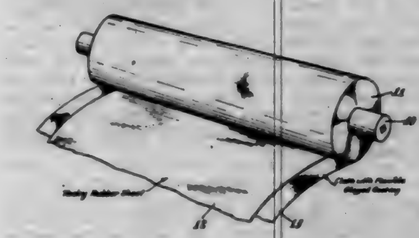
A table roll comprising a pair of heads, journals for said heads, a relatively heavy cylinder permanently secured to said heads, and a relatively thin metal tube mounted on said cylinder and having its end portions forced inward over the ends of said cylinder heads, said tube forming the outer wearing surface of said roll.

1,543,282. LOCK WASHER. EDGAR BURDETTE DE LOE, Sapulpa, Okla. Filed July 12, 1924. Serial No. 725,646. 3 Claims. (Cl. 151—47.)



1. In a device of the class described, a bolt, a washer on the bolt and having an opening, a locking member in the opening and engaged at one of its angles with the bolt, and a nut on the bolt and cooperating with the locking member to advance the locking member into the opening and into engagement with the bolt, the locking member being in the form of an equilateral triangle, to the end that any one of its angles may be presented to the bolt, and means for coupling the nut to the washer.

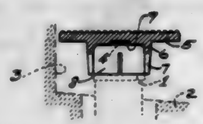
1,543,283. NONSTICKING LINER FOR SHEET RUBBER. ABRAM E. FALOR, JOHN B. DICKSON, and FRED H. AMON, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Dec. 19, 1921. Serial No. 523,431. 11 Claims. (Cl. 91—68.)



1. The combination of an article having a sticky surface of the nature of unvulcanized rubber, and a separable liner thereon comprising woven fabric coated with a composition forming a non-tacky, glazed surface, in contact with the sticky surface, having substantially the hardness and flexibility of oil-softened pyroxylin.

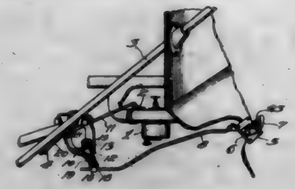
9. A protective liner for tacky sheet-material comprising woven fabric glazed with oil-softened pyroxylin having an air-pocketing surface conforming to the weave of the fabric.

1,543,284. EXTENSION FOR ELECTRIC STARTER BUTTONS. CHARLES L. FORD, Memphis, Tenn. Filed Mar. 12, 1925. Serial No. 15,125. 2 Claims. (Cl. 74—61.)



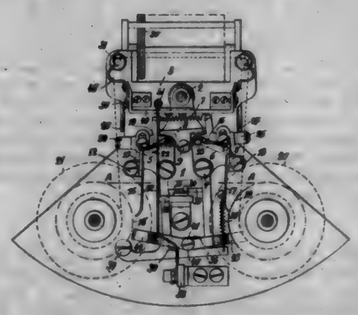
1. In an extension for a starter button, an enlarged disk, having an annular hub projecting downward therefrom and separated into a plurality of tongues.

1,543,285. ACCELERATOR FOR AUTOMOBILE ENGINES. CLAYTON E. FREDERICKSON, Chicago, Ill. Filed Aug. 20, 1923. Serial No. 658,222. 8 Claims. (Cl. 74—39.)



1. In an accelerator mechanism of the type described, the combination of an intermediate bell crank, a hanger bracket formed with upper and lower pivot ears adapted to fit opposite sides of the bell crank, a pivot pin extending through said ears and bell crank and having an upper extension forming a supporting post and a coiled spring encircling said post and having end extensions engaging the bell crank and the bracket respectively.

1,543,286. STENOGRAPHIC MACHINE. MARC GRANDJEAN, Paris, France. Filed Jan. 6, 1923. Serial No. 611,001. 2 Claims. (Cl. 197—151.)



1. In a stenographic machine, the combination of two ribbon reels adapted for loose rotation, a toothed wheel mounted upon each reel, a carriage adapted to swing upon the machine frame and to be maintained

in two different positions between the said reels, an oscillating disk disposed at either side of the said carriage, a reaction spring connecting the said disks together, a stop-piece for said disks, a support pivoted to each disk, a reaction spring for each support, a metal strip disposed upon each support and serving as a pawl for the control of one of the said toothed wheels, and means for transmitting the motion of the keys to the said disks.

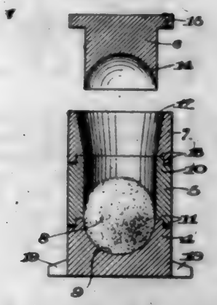
1,543,287. PHARMACEUTICAL COMPOUND. HANS HAHL, Elberfeld, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Filed Dec. 18, 1924. Serial No. 756,819. 2 Claims. (Cl. 260—150.)

2. The herein described new diethylaminoethyl-hydroquinone-monomethyl ether having the formula:



being an oil forming a white crystalline hydrochloride melting at 121—122° C.; and being useful in the treatment of heart diseases, substantially as described.

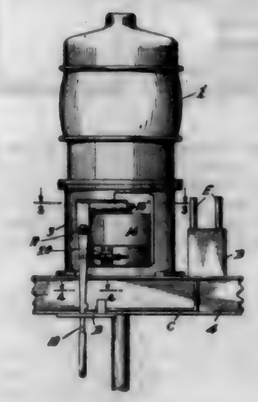
1,543,288. DIE. ALFRED LAUKHUFF, Shorewood, Wis., assignor to Albert O. Trostel, Milwaukee, Wis. Filed June 12, 1922. Serial No. 567,765. 1 Claim. (Cl. 18—42.)



In a die, the combination of a base section provided with a hemispherical cavity, a tubular section having an interlocking connection with the top of said base section, a plunger section having a hemispherical cavity in its front end cooperating with the cavity in the base section to form a spherical cavity, said plunger being slidably mounted in said tubular section and contacting with the inner wall thereof throughout its length and having an external flange abutting against the top of said tubular section to limit its movement, and means for holding the plunger section and tubular section to the base section comprising clamps engaging the plunger section and the base section.

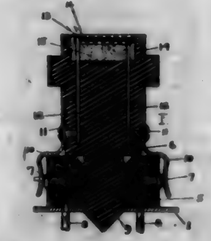
1,543,289. CENTRIFUGAL MACHINE. BRUNO C. LECHLER, Philadelphia, Pa., assignor of one-half to Fletcher Works, Incorporated, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Jan. 15, 1921. Serial No. 437,485. 2 Claims. (Cl. 210—72.)

1. In combination, a constant-speed prime mover, a centrifugal, a clutch intermediate the prime mover and centrifugal, an unloader, said clutch comprising two members movable relatively to each other, a centrifugally operated member carried by each of said clutch members and means for controlling the position of one clutch member relatively to the other whereby the torque transmitted by the centrifugally operated members from the



prime mover to the centrifugal will be varied to drive the centrifugal at one time at the same speed as the prime mover and at another time at an unloading speed due to the drag of the unloader.

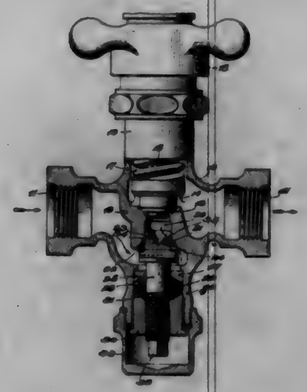
1,543,290. CIGAR LIGHTER. BENJAMIN L. METZGER and THOMAS D. SHEELY, Toledo, Ohio. Filed Mar. 26, 1924. Serial No. 701,925. 1 Claim. (Cl. 219—32.)



In a cigar lighter, a source of electric current, a removable rotatable member, an electrical heat element located in the end of the rotatable member, contacts located on the rotatable member and connected to the electrical heat element, a stationary member for receiving and rotatably supporting the said rotatable member and having contacts for making contact with the contacts of the rotatable member when the rotatable member is rotated to a certain point, the said contacts opened by rotating the said rotatable member to another point, the contacts of the stationary member connected to the source of current.

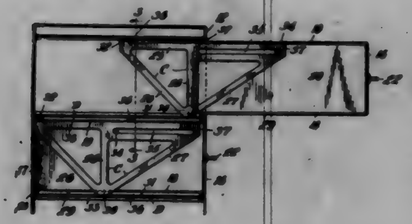
1,543,291. STREAM REGULATOR FOR COCKS. PHILIP MUELLER, Decatur, Ill., assignor to Adolph Mueller, trustee, Decatur, Ill. Filed Mar. 27, 1920. Serial No. 369,287. 3 Claims. (Cl. 277—68.)

2. The combination with a cock having an inlet and an outlet, of a diaphragm having a thickened section provided with a valve seat on one side thereof, a controlling valve for said seat, a valve seat on the opposite side of said section and a chamber extending upwardly from said seat, the wall of said chamber having an annular groove in the lower end thereof, a regulating valve adapted to fit said second seat, said regulating valve



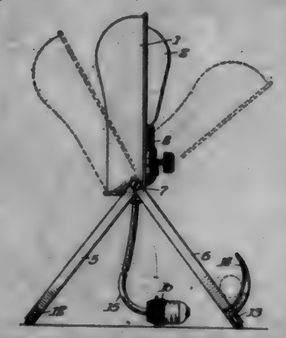
having a recessed extension fitting the wall of said chamber and provided with a substantially V-shaped water passage in its side wall leading to said recess, said passage adapted to direct the flow of the liquid from an upward to a transverse direction, and disposed so as to permit flow only after the regulating valve has moved an appreciable distance from its seat.

1,543,292. BOOK-FILING CABINET. MAX MURDOCK, Streator, Ill. Filed Dec. 18, 1920. Serial No. 431,739. 3 Claims. (Cl. 45—77.)



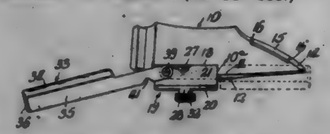
1. A filing cabinet of the character described, the combination with a supporting frame; of a drawer horizontally slidably mounted on said frame, said drawer having a horizontal bottom wall, a horizontal top wall, a vertical front wall, a vertical rear wall and a centrally disposed, vertical longitudinally extending hollow partition between the front and rear walls, said partition having an opening in one of its edges; and means co-operable with the supporting frame adapted to be housed partly within said hollow partition, for assisting in supporting the drawer in extended position.

1,543,293. FOLDING LAMP. THEODORE J. NELSON, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Chicago, Ill., a Corporation of Illinois. Filed Aug. 11, 1922. Serial No. 581,048. 5 Claims. (Cl. 240—52.)



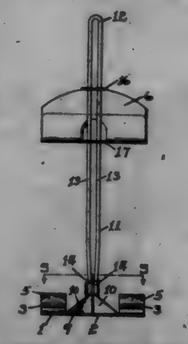
1. In a portable lamp, the combination of a shade, socket and a pair of supporting members, all pivoted together on a common pivotal axis arranged diametrically of the socket and each independently adjustable.

1,543,294. MOUTHPIECE FOR SAXOPHONES. JULIUS J. NEUMANN, Chicago, Ill. Filed Aug. 10, 1923. Serial No. 656,681. 8 Claims. (Cl. 84—383.)



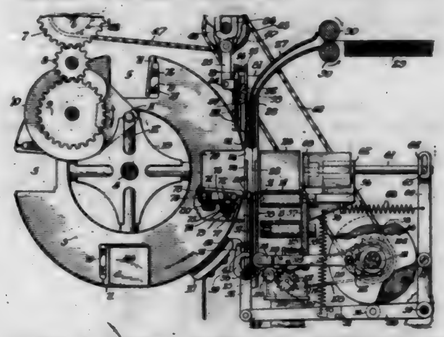
1. The combination with the mouthpiece body of a musical instrument having a flat lay surface for a reed and having longitudinally parallel faces at each side of said lay surface, a housing to receive the butt end of said reed, said housing having side walls adapted for engagement with said faces, means for securing said housing directly to the mouthpiece with its side walls against said faces, a clamping plate in said housing for engaging said butt end of the reed to hold it against the lay surface, and means extending through the bottom wall of said housing for operating said clamping plate.

1,543,295. ADJUSTABLE CARD HOLDER. WILLIAM H. PARKER, Toledo, Ohio. Filed Oct. 18, 1924. Serial No. 743,245. 3 Claims. (Cl. 40—11.)



1. In a card holder, a clamp having elastic clamping parts, an elastic wire loop member pivotally connected to the clamp and an easel member adjustably supported on the wire loop member and secured in position by the elasticity of the wire loop member.

1,543,296. WRAPPING MACHINE. FRANK M. PETERS and WARREN H. HUNGERFORD, Chicago, Ill., assignors to Peters Machinery Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 16, 1920. Serial No. 431,085. 8 Claims. (Cl. 93—2.)



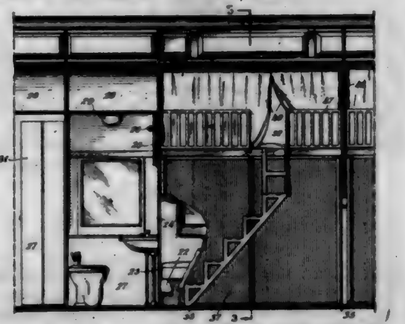
1. In a wrapping machine, the combination with mechanism for folding a wrapper around an article of a pair of spaced guides for holding the wrapper in wrapping position, and reciprocable means for closing the gap between the guides as the wrapper is fed into position.

1,543,297. TIRE-LINER CLEANER. EDWIN E. ROBINSON, Akron, Ohio, assignor to American Radiator Company, Chicago, Ill., a Corporation of New Jersey. Filed Oct. 27, 1920. Serial No. 420,067. 2 Claims. (Cl. 15—15.)



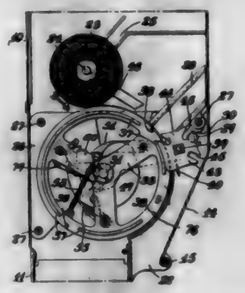
1. In a device of the character described, the combination with a tubular member having an elongated slot therein with opposite angular edges, of removable means secured to said tubular member for guarding said edges, said means including portions extending over and conforming in shape to said member at opposite sides of said slot and rounded edge portions extending inwardly into said slot and embracing said edges to provide curved guards therefor to prevent damage to the material engaged.

1,543,298. SLEEPING CAR. AGNES R. ROSSMAN, Scotch Plains, N. J. Filed Nov. 13, 1924. Serial No 749,577. 14 Claims. (Cl. 105—323.)



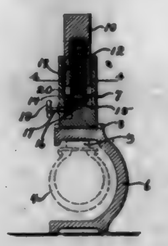
10. In a sleeping car construction, a set of berths, a compartment individual thereto and divided into sections corresponding in number to the number of berths in said set, doors through which access may be had directly from each berth to one of said sections, and other doors for the compartment affording access to said sections from the aisle of the car.

1,543,299. PAPER-TOWEL-VENDING MACHINE. EDGAR E. SHELLEY, Newark, N. J., assignor to The Economy Paper Company, Newark, N. J., a Corporation of New Jersey. Filed July 21, 1922. Serial No. 576,431. 14 Claims. (Cl. 211—33.)



1. A machine of the class described comprising a suitable casing, a drum rotatably mounted in said casing and provided with an elongated aperture, a rotatable cutter device mounted in juxtaposition to and longitudinally of said drum and adapted to cooperate with the aperture of said drum, means involving a crank lever for controlling the rotation of said drum, means for normally holding said drum against rotation, coin controlling means for moving said last named means into inoperative position to permit of the rotation of said drum, and means for imparting a sudden rotary movement to said drum and said cutter device in the passage of said cutter device into and out of the aperture in said drum.

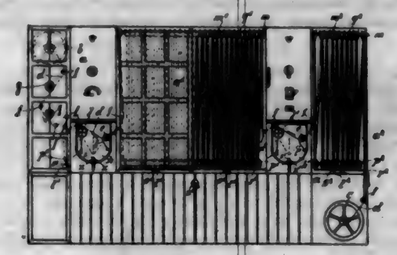
1,543,300. JACK DEVICE FOR AUTOMOBILES. CHARLES H. SIMERSON, West New York, N. J. Filed Nov. 5, 1921. Serial No. 513,005. 4 Claims. (Cl. 254—94.)



1. A jack device comprising a shoe portion having an inner part adapted to rest against the inner side of the felly of a wheel, a clamp portion having a screw revolubly mounted therein in a bearing adapted to prevent any axial movement of said screw, an internally threaded clamp projection adapted to cooperate with said screw and to be axially moved by the revolution of said screw, and means including a shaft projecting laterally from said clamp portion and connected to said screw adapted to cause the revolution of said screw.

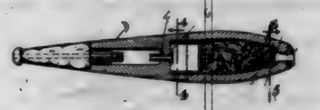
1,543,301. METHOD OF REGENERATING WORN CINEMATOGRAPHIC FILMS. FRIEDRICH JOHANN JACOB STOCK, Munich, Germany. Filed Apr. 24, 1923. Serial No. 634,249. 7 Claims. (Cl. 88—19.5.)

1. The method of regenerating worn or aged films which consists in applying a solvent to the damaged side of the film band adapted to penetrate and swell the material, superficially liquefying the swelled material



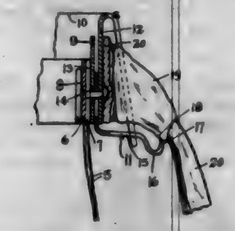
by the action of hot fluid, and finally drying and thereby rehardening the film.

1,543,302. PIPE. DAVID SWERDLOW, Brooklyn, N. Y., assignor to Safety Pipe, Inc., New York, N. Y., a Corporation of New York. Filed Sept. 25, 1924. Serial No. 739,751. 2 Claims. (Cl. 131—22.)



1. A cigar-shaped pipe embodying a bowl with a longitudinal orifice, a pipe body having a chamber provided with a transverse partition near its inner end and having an aperture and a shoulder, a metal collar in the end of the body abutting against said shoulder, a drain tube extended through the aperture in said partition and having a flange bearing against said shoulder, and a mouthpiece in the other end of the body having a contracted member extended into the chamber of the body.

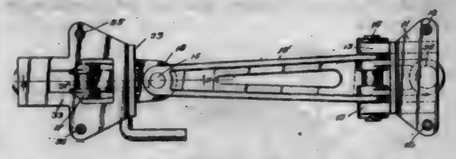
1,543,303. NECKTIE SUPPORT. WILLIAM P. TALBOT, Millbrook, N. Y. Filed Mar. 23, 1925. Serial No. 17,580. 2 Claims. (Cl. 24—16.)



1. A necktie support comprising a flat ring portion, the opening therein being adapted to fit over the shank of a collar button, a horizontally extended portion formed integrally with the ring portion, a hook at the end of said extended portion, the hook being sharply pointed on the inside of its inner end whereby it will hold the tie when the same is pressed thereagainst.

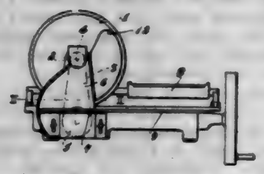
1,543,304. COUPLER. CHARLES H. TOMLINSON, Mansfield, Ohio, assignor to The Tomlinson Coupler Company, Mansfield, Ohio, a Corporation of Ohio. Filed July 12, 1920. Serial No. 395,544. 16 Claims. (Cl. 280—33.44.)

1. In combination, a pair of coupling members for vehicles, means rigidly fixed to said vehicles for supporting said coupling members intermediate the ends thereof for vertical pivotal movement, means on one end of each of said members for engaging the other of said members, and means on the other end of each of said members for yieldingly maintaining said coupling mem-



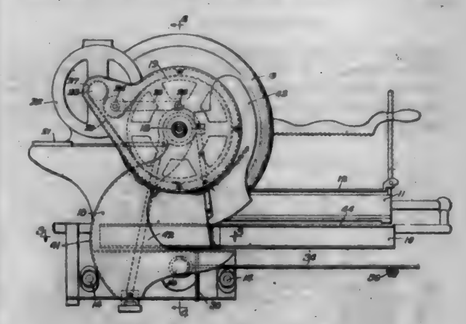
bers against vertical pivotal movement in one direction, while permitting free vertical, pivotal movement thereof in the opposite direction.

1,543,305. MEAT-SLICING MACHINE. WILHELMUS ADRIANUS VAN BERKEL, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Nov. 6, 1922. Serial No. 599,457. 9 Claims. (Cl. 146—102.)



1. In a slicing machine, a rotary knife, a table arranged to reciprocate at one side of said knife to present material thereto, a horizontal slice receiving table located at the oposite side of said knife from said reciprocating table, said receiving table extending past the vertical center of said knife, and a support for said knife interposed between said receiving table and said knife.

1,543,306. SLICING MACHINE. WILHELMUS A. VAN BERKEL, Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, La Porte, Ind., a Corporation of Indiana. Filed Dec. 8, 1922. Serial No. 605,549. 11 Claims. (Cl. 146—162.)

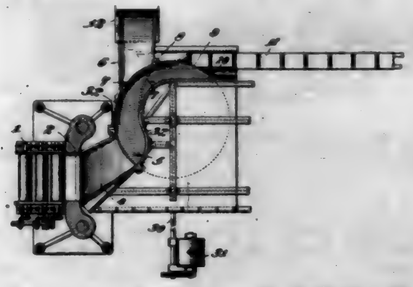


1. In a slicing machine, a rotary knife, a horizontal spindle for said knife, a support for said spindle comprising an open shell, and a slice receiver positioned in said shell.

1,543,307. MILL APPLIANCE. TOM WILSON, Johnstown, Pa. Filed Aug. 13, 1921. Serial No. 491,935. 9 Claims. (Cl. 198—25.)

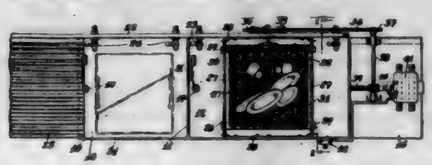
1. A mill appliance comprising the combination with a conveyor, of a scrap chute, and a rotatable turn-table, means for delivering heavy and hard billets to the upper surface of the turn-table, said turntable having a guide

near the periphery thereof, another guide within and spaced apart from same, and a switch gate adapted to form an opening in the outer guide as desired, whereby material may be delivered in either of two directions by said turntable.



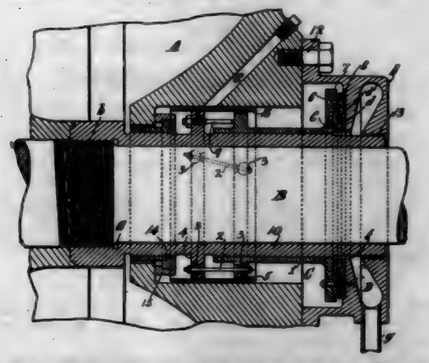
7. In a mill appliance, a rotatable turntable provided with a guide near the periphery thereof, another guide within and spaced apart from same, and a switch gate adapted to form an opening in the outer guide as desired, whereby material may be delivered in either of two directions by said rotating turntable.

1,543,308. DISHWASHING MACHINE. GAETANO ALBANESE, Brooklyn, N. Y. Filed May 1, 1922. Serial No. 557,707. 4 Claims. (Cl. 141—9.)



1. A machine of the class described comprising a tank, two crank members rotatably mounted in the tank at spaced intervals, a frame mounted on said cranks and supported thereby and a drive crank independent of the first named cranks and mounted in connection with the frame.

1,543,309. SHAFT PACKING. ROBERT W. ALLERTON, South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y., a Corporation of Virginia. Filed Mar. 3, 1921. Serial No. 449,304. 8 Claims. (Cl. 286—7.)

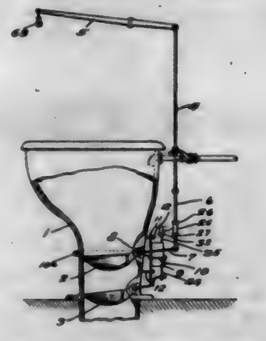


1. A packing for centrifugal pumps and the like, comprising a member rotated by the shaft, a sealing plate carried by said member co-acting under pressure with a second sealing plate, and link connections between the shaft and said member for moving the latter longitudinally of the shaft and against such pressure to separate the sealing plates on excessive friction between them.

1,543,310. PROCESS FOR THE PRELIMINARY TREATMENT OF CELLULOSE PRIOR TO ESTERIFICATION. JEAN ALTWEGG, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Filed Oct. 3, 1924. Serial No. 741,403. 2 Claims. (Cl. 260—101.)

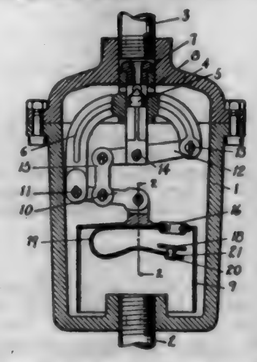
1. A process for rendering cellulose more easily esterifiable, consisting in treating it with a quantity of pure acetic acid such that it forms, with the water moisture retained by the cellulose, an acetic acid of concentration 60 to 90%.

1,543,311. AUTOMATIC CONTROL FOR TOILETS. HARRY GUY ANDERSON, Chicago, Ill. Filed May 22, 1924. Serial No. 715,100. 8 Claims. (Cl. 4—85.)



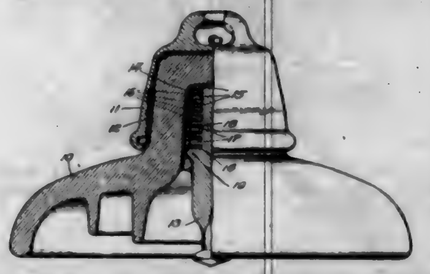
1. In automatic controls for two-pan train toilets, a trip lever for one of said pans operable positively with the toilet flushing lever, a second trip lever for the remaining pan connected to said first named trip lever and yieldingly actuated thereby, and automatic control mechanism associated with said second trip lever whereby the functioning of said lever is made dependent upon the movement or lack of movement of the train.

1,543,312. TRAP. ADAM ARMSTRONG, Three Rivers, Mich. Filed July 23, 1923. Serial No. 653,226. 4 Claims. (Cl. 236—62.)



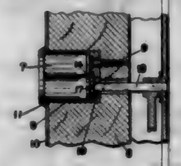
1. In a trap, the combination of a casing provided with an inlet at the bottom and a discharge valve at the top, a float open at its lower end disposed above said inlet and having operative connections to said discharge valve, said float having a port in the top thereof and a relatively small vent, a valve for said float port, and a U-shaped support therefor of thermostatic metal mounted within said float and adapted when heated to close said valve for said float port.

1,543,313. INSULATOR. ARTHUR O. AUSTIN, Barberton, Ohio, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio, a Corporation of New Jersey. Filed Dec. 6, 1920. Serial No. 428,440. 15 Claims. (Cl. 173—318.)



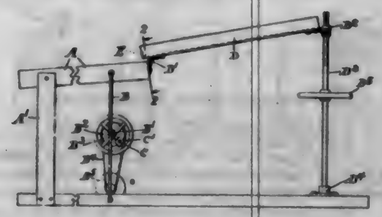
1. An insulator comprising a dielectric member and a metallic fitting therefor, said fitting having yielding metallic projections arranged thereon the extremities of which are connected with said dielectric member for transmission of stress from one of said members to the other, and additional projections on said fitting interposed between said first-mentioned projections but unconnected with said dielectric member.

1,543,314. SECURING MEANS FOR LOCK HOUSINGS. FRANK ELLISON BEST, Seattle, Wash., assignor to Frank E. Best, Inc., Seattle, Wash., a Corporation of Washington. Filed June 7, 1923. Serial No. 643,961. 5 Claims. (Cl. 70—46.)



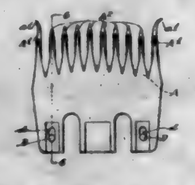
1. In a lock, a lock housing having an internal recess for the reception of locking mechanism and a screw arranged to be inserted through the bottom of said housing to secure said housing to a support the head of said screw being accessible only through said recess.

1,543,315. SPREADER. JOHN BLAND, Chicago, Ill. Filed May 19, 1924. Serial No. 714,203. 16 Claims. (Cl. 198—220.)



5. A spreader including in combination a chute adapted to receive material and a baffle plate across said chute so shaped that as the material flows upon the chute it will flow over the baffle in a sheet of uniform thickness throughout its width.

1,543,316. COMB AND FIXED CUTTER FOR SHEEP SHEARS. FRANCIS GEORGE WILLIAM BRISTOW, Sydney, Australia, assignor to Michael W. McArdle, Chicago, Ill. Filed June 4, 1923. Serial No. 643,157. 6 Claims. (Cl. 30—1.)



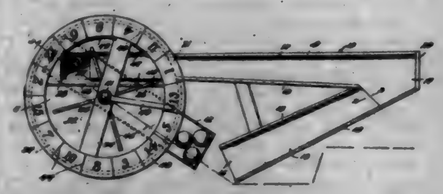
1. A comb and fixed cutter for a sheep shear and the like, comprising a supporting blade and a cutting blade, the supporting blade having comb teeth provided at their points with guard lips projected up at both sides and the cutting plate seated flat on the supporting plate having teeth with shearing lateral edges and having terminal points entered between the guard lips of the corresponding teeth of the supporting plate, and means for engaging the two plates with each other against relative movement in the plane of their contact.

1,543,317. HOLDER FOR SLICING MACHINES. OSCAR BROWNSEY, Laporte, Ind., assignor to U. S. Slicing Machine Company, Laporte, Ind., a Corporation of Indiana. Filed May 9, 1921. Serial No. 467,964. 12 Claims. (Cl. 146—217.)



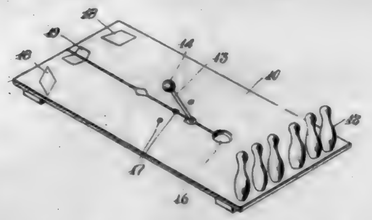
1. In a device for holding material to be cut by a slicing machine, the combination with a support holding members arranged in spaced relation on said support and movable relative thereto, means for operating said members, and a yieldingly acting brake for preventing accidental operation of said members.

1,543,318. BALL GAME. MATTHEW CARDOSA, New Bedford, Mass. Filed July 28, 1924. Serial No. 728,790. 7 Claims. (Cl. 273—141.)



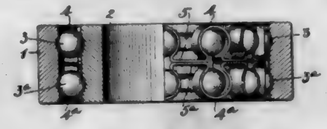
1. In a game apparatus in combination a platform, a pivot mounted thereon, radial arms on said pivot above the surface of said platform, an enclosing wall adjacent the ends of said arms and means to project a ball thru said wall and along the surface of said platform to strike said arms and rotate said pivot.

1,543,319. GAME. WILLIAM A. CARTER, Yonkers, N. Y. Filed Apr. 23, 1924. Serial No. 708,522. 2 Claims. (Cl. 273—40.)



1. A game comprising an elongated board and a plurality of loose pieces to be set up at one end of said board, a ball, and an elastic cord having one end attached to the ball and the other end attached to the board adjacent its center, said board having a series of hazards adjacent the point of connection of the elastic cord to the board.

1,543,320. DOUBLE-ROW BALL BEARING. PETER COFRANCESCO and WILLIAM P. THIEDE, New Britain, Conn., assignors to The Fafnir Bearing Company, New Britain, Conn., a Corporation of Connecticut. Filed Nov. 3, 1924. Serial No. 747,450. 1 Claim. (Cl. 308—195.)



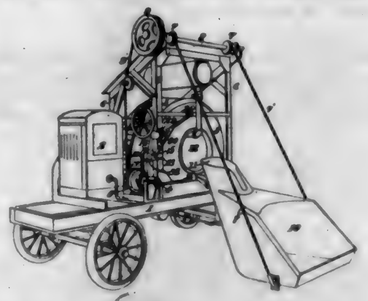
The method of applying ball spacers to the balls in a double row ball bearing of the unit handling type, comprising forming two separate spacers, each spacer being fluted to form reversely arranged inner and outer arched portions, applying such spacers to the ball bearings with the inner arches confronting each other, then applying pressure to the outside of both of said spacers to crowd them toward each other to simultaneously flatten and spread certain of the adjacent inner arches of the opposed spacers by mutual contact.

1,543,321. PROCESS FOR PRODUCING METALS AND ALLOYS. SVEN DAGOBERT DANIELI and BO MICHAEL STURE KALLING, Trollhattan, Sweden, assignors to Aktiebolaget Ferrolegeringar, Stockholm, Sweden, a Joint Stock Company Limited of Sweden. Filed Dec. 17, 1923. Serial No. 681,126. 5 Claims. (Cl. 75—17.)

1. Process for the production of metals or alloys of low carbon and silicon content by silico-thermic reduction which comprises oxidizing an alloy having a relatively high silicon content with a metal oxide to produce a silicate slag relatively low in metallic oxides and a metallic silicide low in carbon and relatively high in silicon, thereafter treating said metallic silicide with a metallic oxide to produce a metal relatively low in carbon and silicon and a silicate slag relatively high in metallic oxide, and separating the metal thus formed.

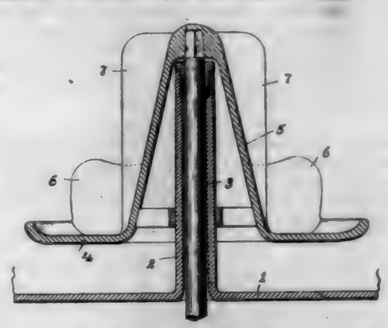
1,543,322. SAFETY STOP AND LOCK FOR LOADING SKIPS. NORRIS K. DAVIS, San Francisco, Calif. Filed Aug. 5, 1924. Serial No. 730,195. 2 Claims. (Cl. 214—130.)

1. In a concrete mixer, a movable skip; means for operating the same including a clutch and a brake; a spring controlled lever for simultaneously throwing the clutch into function and the brake out of function and vice versa; an operating lever; a toggle connection interposed between said operating lever and said clutch and brake lever adapted by its flexing to opposite sides



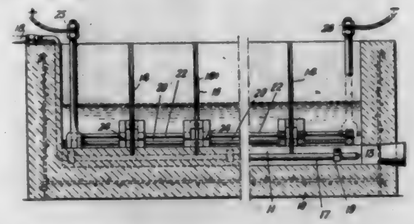
to hold said levers in adjusted positions; and means dependent upon the movement of the skip for actuating the operating lever.

1,543,323. WASHING MACHINE. OTTO T. DEHLE, Watertown, Mass. Filed Sept. 6, 1924. Serial No. 736,308. 5 Claims. (Cl. 259—128.)



1. A dolly for washing machines, comprising an oscillating table having radial ribs thereon, and a central post rising therefrom, said post having vertical ribs whose radial dimension is larger at their upper ends than below.

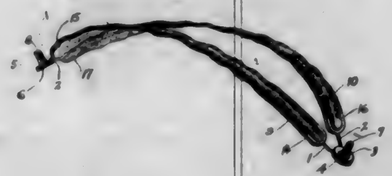
1,543,324. PROCESS FOR TREATING TRADE WASTE WATERS TO CLARIFY AND STERILIZE THE SAME AND TO EXTRACT FATS THEREFROM. ADHÉMAR JEAN DE RAEVE, Sydney, New South Wales, Australia. Filed Mar. 20, 1922. Serial No. 545,393. 8 Claims. (Cl. 87—6.)



8. A process for treating wool scour waters, consisting in introducing lime in quantity sufficient to convert the carbonate of soda in said waters into caustic soda and to precipitate calcium carbonate, heating the mass to the boiling point whilst fresh, separating the sludge

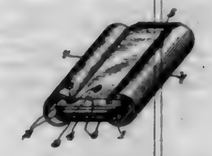
from the liquor, treating the liquor at a temperature below 35° C. with chlorine in proportion to the combining equivalent of the alkali present, thereby to produce chloro-proteins and alkali hypochlorites acidifying the liquor to neutralize the alkali hypochlorites, and removing the floated fats.

1,543,325. HEADBAND FOR TELEPHONE HEAD SETS. FREDERICK DIETRICH, Flushing, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Dec. 8, 1923. Serial No. 679,383. 4 Claims. (Cl. 179—156.)



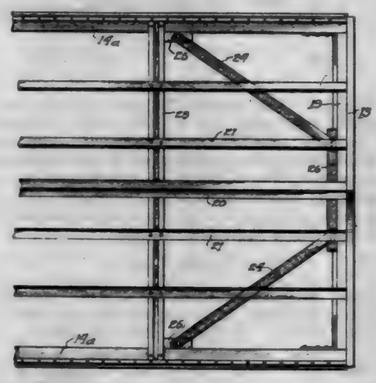
1. A headband for telephone headsets, comprising in combination a pair of central circular core members substantially arcuate in contour and joined at opposite ends, a strip of seamless fabric webbing material having a substantially solid woven body carried by each of said central circular core members, said core members passing longitudinally through a bore in said seamless fabric webbing, means at opposite ends of said webbing whereby said webbing is maintained substantially flat at said ends, said webbing being free to revolve about said central circular core throughout its length and arranged to assume various contours by independent flexure of the webbing intermediate the ends thereof.

1,543,326. CONDENSER AND CLAMP THEREFOR. WILLIAM DUBILIER, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation, a Corporation of Delaware. Filed Feb. 7, 1921. Serial No. 442,945. 1 Claim. (Cl. 250—41.)



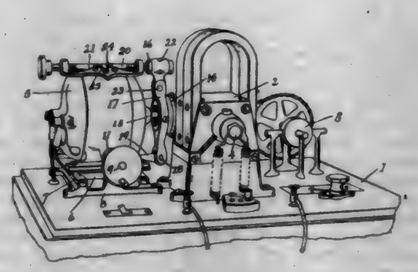
An electrical condenser comprising a stack of conducting and dielectric sheets, bearing members engaging the opposite faces of said stack, each of said members having open-ended grooves in its outer face along its opposite edges, and clamps for holding said members and said stack together, said clamps having opposed edges and being disposed at opposite sides of the condenser, the edges of each clamp engaging the grooves in the bearing members at each side of the condenser, each clamp having cutaway corners at the ends of its opposed edges, to enable it to be forced upon the condenser in gripping position.

1,543,327. CAR-ROOF CONSTRUCTION. IRA EVERETT, Sayre, Pa., assignor, by mesne assignments, to Kennoway Manufacturing Company, a Corporation of Delaware. Original application filed Oct. 16, 1917, Serial No. 196,939. Divided and this application filed May 27, 1918. Serial No. 236,914. 11 Claims. (Cl. 108—5.5.)



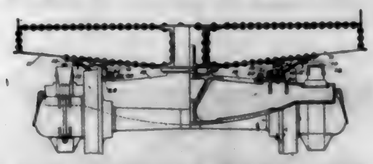
1. A car framing construction comprising, in combination, an external metallic end plate, an internal wooden end plate, two side plates and diagonal tie members connecting both end plates to said side plates.

1,543,328. VARIABLE-SPEED DRIVING GEAR FOR MOTORS. NORRIS E. GOODRICH, Battle Creek, Mich., assignor to Sanitarium and Hospital Equipment Company, Battle Creek, Mich. Filed July 16, 1924. Serial No. 726,327. 5 Claims. (Cl. 74—26.)



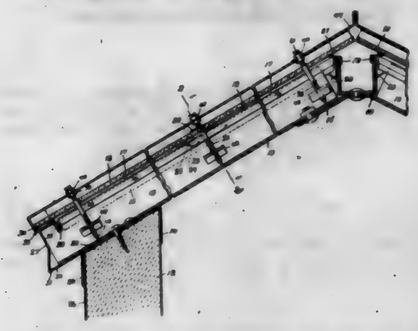
5. The combination of a supporting base provided with ways, a motor slidable on said ways provided with an axially movable driving gear, a driven friction gear disposed with its axis transverse to the axis of said driving gear to coact therewith, a bearing for supporting said driving gear in driving engagement with said driven gear, an adjustable support for said bearing, an adjusting screw for said bearing support mounted on said motor whereby said driving gear is adjustably supported in coacting relation to said driven gear, and an adjusting screw for said motor whereby the motor may be adjusted on said ways to vary the position of the driving gear relative to said driven gear for changing the speed of said driven gear.

1,543,329. SIDE BEARING. ERNEST G. GOODWIN, New York, N. Y., assignor, by mesne assignments, to Goodwin Side Bearing Co., Inc., Wilmington, Del., a Corporation of Delaware. Filed Sept. 20, 1922. Serial No. 589,376. 4 Claims. (Cl. 308—226.)



1. In a roller side bearing for railway cars, the combination of upper and lower bearing plates, a cylindrical roller between said plates, a roller positioning device, said device being pivoted at one end on the truck bolster and extending through the roller and across the lower bearing plate and said plate being wholly under said device, and a guide on the car bolster in which the other end of said device is loosely received.

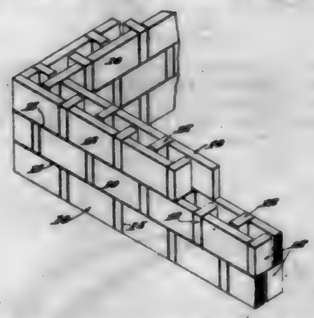
1,543,330. SKYLIGHT CONSTRUCTION. JOSEPH N. GRENIER, Brooklyn, N. Y. Filed Mar. 30, 1922. Serial No. 548,079. 1 Claim. (Cl. 108—16.)



A skylight construction comprising a ridge-bar, a plurality of downwardly inclined bars secured to and extending in opposite directions from said ridge-bar angular trough-like members engaging over the edges of each second named bar and formed to provide a hook-shaped retaining portion, a gutter portion extending outwardly of the second named bar and an upwardly and outwardly inclined portion constituting a cushion strip, sheets of glass resting upon said cushion strips with the joint over the second named bar, a cap plate extending over the joint, clamping means engaging through the cap plate and engaging the second named bar whereby to hold the glass securely, an angular trough-member associated with each edge of the ridge-bar and formed to provide a gutter portion and an upwardly and outwardly extending portion constituting a cushion strip engaging against the underside of the glass, and a cap plate extending longitudinally above the ridge-bar and engaging said first named cap plates, said last named cap plate being formed with holes engaging upon the uppermost ones of said bolts.

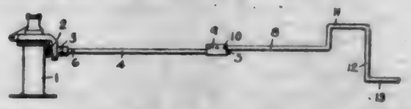
1,543,331. BUILDING CONSTRUCTION. THEODOR E. HORNEMANN, Boston, Mass., assignor to Thermo-Wall Construction Company, Boston, Mass., a Corporation of Massachusetts. Filed May 5, 1921. Serial No. 466,979. 10 Claims. (Cl. 72—102.)

1. A building construction comprising two walls each made up of a plurality of courses of blocks arranged alternately, longitudinally and transversely the wall, the transverse blocks of each course being staggered in relation to the transverse blocks of the adjacent courses and the blocks in each course in one wall being staggered in relation to the blocks in the corresponding course in the other wall, each of said transverse blocks extending



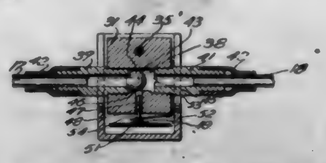
inwardly from the wall in which it is set partially toward the inner surface of the other wall and being in each case opposite the center of a longitudinal block in said other wall and leaving an air space between the inner end of the transverse block and the opposite wall.

1,543,332. CRANK FOR LIFTING JACKS. ARTHUR C. HOPKINS, Niles, Mich., assignor to National Standard Company, Niles, Mich. Filed Aug. 16, 1924. Serial No. 732,580. 3 Claims. (Cl. 74—38.)



1. A crank of the class described comprising an inner shaft section of rectangular cross section provided with stop lugs adjacent its ends, an outer shaft section of circular cross section disposed at the side of said inner section, and a slide secured to the inner end of said outer section to slidably embrace said inner sections between said stops, the outer end of said outer section having an offset therein providing a crank, the outer arm of said offset being extended beyond the plane of the said shaft and turned outwardly to provide a second crank, the said arm being bent longitudinally permitting it to slide over the said inner section when the outer section is telescoped therewith.

1,543,333. THERMOSTATIC VALVE DEVICE FOR RADIATOR SHUTTERS, ETC. FRANK J. IRVING, Buffalo, N. Y., assignor to Pines Winterfront Company, Chicago, Ill., a Corporation of Delaware. Filed Dec. 31, 1924. Serial No. 758,976. 21 Claims. (Cl. 236—35.)



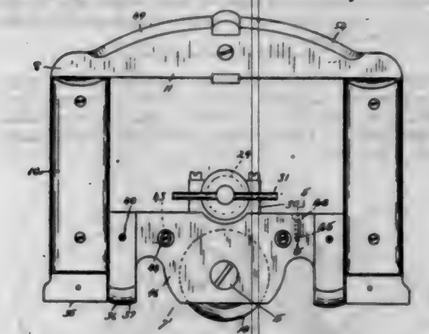
1. The combination with a radiator shutter having an expansible and contractible chamber for operating said shutter, of a thermostatic element, a valve housing enclosing a valve and valve port, said valve controlling a conduit communicating with said chamber, said conduit preventing rotation of said valve housing, means actuated by said thermostatic element for operating said valve, and means for supporting said valve housing for adjustment relative to said thermostatic element.

1,543,334. BATHROOM WALL CONSTRUCTION. LAURENCE M. LOEB, New Rochelle, N. Y. Filed Dec. 21, 1923, Serial No. 681,952. Renewed Nov. 22, 1924. 4 Claims. (Cl. 4—173.)



1. In combination with a bath room wall having an opening therein to admit of access being had to the interior of the wall, a metallic frame fitted within said opening, a panel removably fitted within said frame and having its outer face flush with the outer face of said wall and means mounted on the panel for frictionally engaging the frame for securing said panel in position.

1,543,335. TOOL FOR FORCING FASTENER-CONCEALING STRIPS IN PLACE ON DRIP MOLDINGS OF VEHICLE BODIES. HERMAN C. MAISS, Detroit, Mich., assignor to Briggs Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed June 11, 1923. Serial No. 644,690. 27 Claims. (Cl. 29—84.)



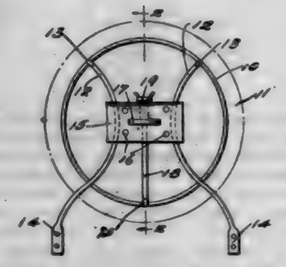
1. A tool having a bar, means carried by said bar for forcing a member into fixed position upon drip molding for concealing the securing means therefor, and means carried by said bar for detachably holding the means aforesaid in engagement with said concealing member.

1,543,336. ANTIKICKING DEVICE. FRANCIS M. McINTIRE, Mullikin, Mich. Filed July 2, 1924. Serial No. 723,760. 1 Claim. (Cl. 119—128.)



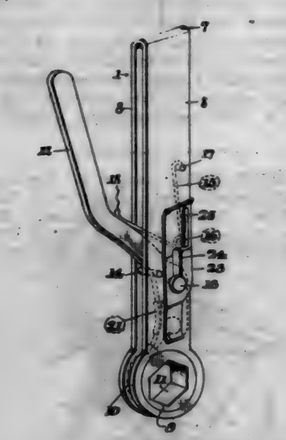
An anti-kicking device comprising an elongated strap having one end thereof bent back upon itself to provide a limb encircling loop, a buckle secured to said strap adjacent the looped portion and engaging the end of the looped portion, an auxiliary strap looped intermediate its end to provide an additional limb encircling loop, one of the ends of said auxiliary strap being bent back upon itself to provide a loop to receive a buckle, the bent back end of the auxiliary strap being again bent back upon itself and secured to the auxiliary strap to provide an additional loop for receiving an additional buckle, the last mentioned buckle adapted for engagement with the opposite end of the auxiliary strap, and the aforementioned buckle of the auxiliary strap being adapted for engagement with the free end of the first mentioned strap.

1,543,337. SPARE RIM AND TIRE CARRIER. FERDINAND F. MILLER, Clasoil, Mont. Filed Oct. 11, 1923. Serial No. 667,863. 5 Claims. (Cl. 224—29.)



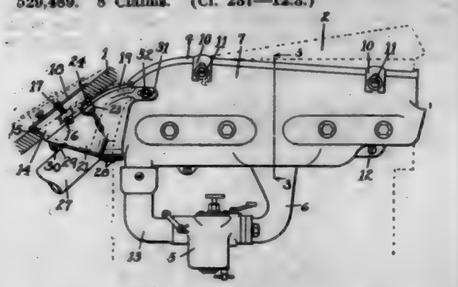
1. A spare rim and tire carrier, comprising spaced supporting members, guide plates attached to said supporting members, a circular member carried by said guide plates, the supporting members having their upper ends bifurcated for engaging the tire rim, said circular member having an aperture therein, an adjustable pin engaging the apertured circular member, the lower end of said pin being bifurcated for engaging the bottom of the rim for holding the same snugly upon the carrier.

1,543,338. RATCHET WRENCH. LOUIS NEAL and MATTHEW L. CLARK, Carbondale, Pa., assignors of one-half to said Neal, one-fourth to said Clark, and one-fourth to Thomas Cosgrove, Scranton, Pa. Filed Sept. 19, 1924. Serial No. 738,663. 4 Claims. (Cl. 81—61.)



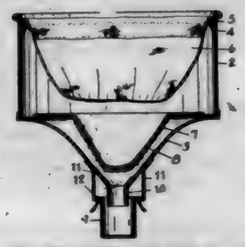
3. A ratchet wrench comprising a handle, a member having ratchet teeth on its periphery carried at the end thereof, a lever pivoted to the handle, a pawl carried by the lever and engaging the ratchet teeth, and slidable spring plates carried by the handle and adapted to hold a nut and washer when unscrewed by the wrench.

1,543,339. AUTOMOBILE HEATER. LEWIS D. NELSON, Coldwater, Mich. Filed Jan. 16, 1922. Serial No. 529,489. 8 Claims. (Cl. 237—12.3.)



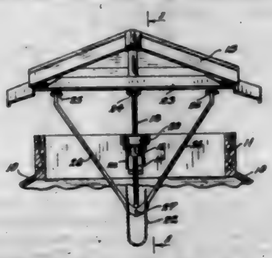
1. In a structure of the class described, the combination of a housing for the exhaust manifold of an internal combustion engine, a register box adapted to be inserted in the foot board of a motor vehicle, a conduit secured to said register box and having an opening in the bottom thereof through which the exhaust pipe of an exhaust manifold may be disposed, said conduit being disposed in telescoping relation with the rear end of said housing and having a forwardly projecting slotted arm adjacent the upper side thereof, and a bolt on said housing engaging said slot.

1,543,340. COFFEE URN. JOHN A. NEWBERRY, Allegan, Mich. Filed Dec. 31, 1924. Serial No. 759,028. 4 Claims. (Cl. 53—3.)



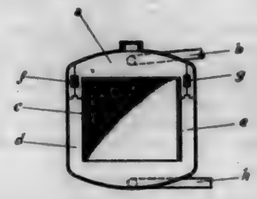
4. The combination with a coffee urn, of a receptacle adapted to constitute a cover for said urn; said receptacle having a funnel shaped bottom, a seal receptacle arranged with its upper edge in a plane above the end of the bottom, and a coffee sack suspended within said receptacle.

1,543,341. TRUSS LIFT. ADOLPH G. PITZ and OTTO X. SAUR, Bridgeport, Conn., assignors to Park City Cornice Works, Incorporated, Bridgeport, Conn., a Corporation of Connecticut. Filed Nov. 6, 1923. Serial No. 673,108. 14 Claims. (Cl. 268—20.)



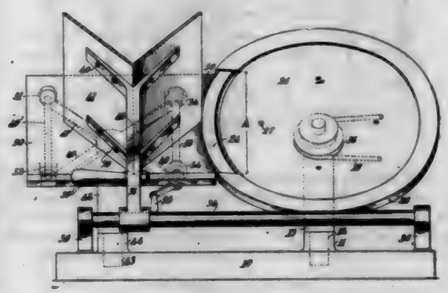
2. The combination with a movable closure, of means connected therewith for lifting the same, a stationary bracket, means carried by the bracket adapted to coact with the lifting means for raising and lowering the same, and one or more trusses secured to the lifting means below the bracket and also to the closure at a distance from the connection of said lifting means therewith.

1,543,342. RADIATOR FOR INTERNAL-COMBUSTION ENGINES. FERDINAND PORSCHE, Stuttgart-Unterturkheim, Germany, assignor to Daimler-Motoren-Gesellschaft, Wurttemberg, Germany, a Corporation of Germany. Filed Jan. 14, 1925. Serial No. 2,455. 3 Claims. (Cl. 236—35.)



1. A cooler or radiator for internal combustion-engines comprising, in combination, a cooler casing having hollow side-parts adapted to serve for the conduction of a part of the cooling-water; the usual cooling pipes in said casing and located between said side-parts, and a thermostatic valve arranged in said hollow side parts to directly control the flow of water through the said side-parts, as set forth.

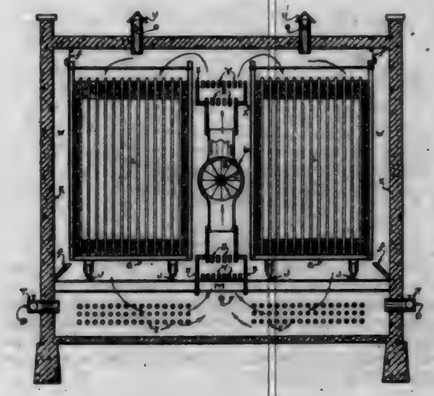
1,543,343. SLICING MACHINE. PETER SIVERTSEN, New York, N. Y., assignor to Globe Slicing Machine Co. Inc., New York, N. Y., a Corporation of New York. Filed Aug. 22, 1919. Serial No. 319,059. 34 Claims. (Cl. 146—105.)



1. The combination, in a slicing apparatus, of a cutting mechanism comprising a rotary knife edge, the plane of which is inclined to the horizontal and means for guiding the object to be sliced past the knife edge to effect the cutting operation, the guiding means being reciprocative in a rectilinear direction.

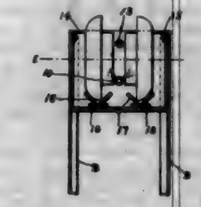
1,543,344. REVERSIBLE-CIRCULATION INTERNAL-FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to The People of the United States. Original application filed Apr. 19, 1924, Serial No. 708,323. Divided and this application filed Mar. 7, 1925. Serial No. 14,424. 4 Claims. (Cl. 34—46.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)

1. In a double track dry kiln arranged for edge stacking: a series of fans mounted between the two rows of lumber piles; a shaft on which the fans are mounted for rotation; means for rotating said shaft in either direction to cause reversal of the circulation of air and vapor in said kiln; and an air distributing system com-



prising fan housing and partition for each fan, two main air distributors, and two sets of diffusers for each main air distributor.

1,543,345. CAN-COVER STERILIZER. GEORGE G. THOMPSON, New York, N. Y., assignor to Wiener Manufacturing Company, New York, N. Y., a Corporation of New York. Filed Mar. 22, 1921. Serial No. 454,462. 1 Claim. (Cl. 141—7.)



In a sterilizing device for milk can covers, the combination with a tank having a downwardly inclined base, of a plurality of angular guideways extending along the length of the base and parallel to one another, said guideways being adapted for receiving a plurality of can covers simultaneously, a fluid pipe disposed between and above said guideways, said pipe being positioned parallel to the base and adjacent to the lowest path of movement of the rims of the can covers, a plurality of openings along the length of said pipe, said openings being formed in the upper segments on each side of the pipe whereby to form a plurality of angularly and upwardly distributed liquid sprays, a guide rod positioned above and parallel to said pipe, and co-operating with the guideways below and on each side thereof for maintaining the covers on their edges in a vertical position and for preventing the plurality of covers, one on each side of the fluid pipe from being displaced inwardly and contacting with one another, and bracket means on each side of and adjacent the guide rod and co-operating with said guide rod for maintaining the can covers in vertical alinement throughout their passage along the guideways.

1,543,346. HEADGEAR FOR EXERCISERS. HENRY W. TITUS, New York, N. Y. Filed Oct. 29, 1923. Serial No. 671,401. 1 Claim. (Cl. 272—82.)



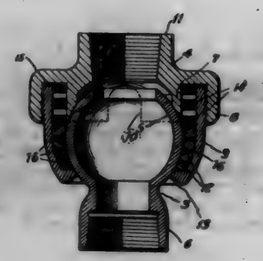
A head gear for exercisers comprising a head band having a buckle therein and a loop secured thereto and a second band having a plurality of loops upon said first mentioned band said loops being formed one at each end of said second band and both said loops being adjustable on said first band.

1,543,347. IGNITION MAGNETO. ERNEST O. TURNER and EDWARD B. TUPPEN, Birmingham, England, assignors to The British Lighting and Ignition Company, Limited, Birmingham, England, a British Company. Filed Dec. 21, 1922. Serial No. 608,180. 14 Claims. (Cl. 171—209.)



1. A magnet rotor for an ignition magneto, said rotor comprising a rotary magnet, separate pole shoes for said magnet, said pole shoes comprising a plurality of iron laminations, and interleaving plates inserted at suitable intervals between the said iron laminations.

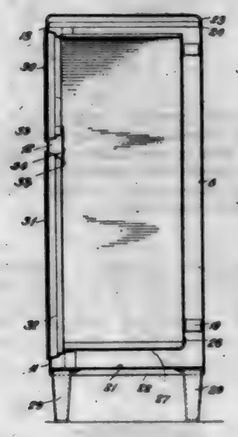
1,543,348. FLEXIBLE PIPE JOINT. FREDERICK VENTON, Chicago, Ill. Filed Dec. 8, 1922. Serial No. 605,603. 7 Claims. (Cl. 285—95.)



1. A flexible pipe joint comprising a ball section, a socket section including a body provided with an inner annular wall opposed to the ball, and a tapered sleeve detachably connected with the body and forming in conjunction with the ball an exteriorly tapered packing containing chamber of substantially uniform width surrounding the ball, said sleeve having at its outer end a

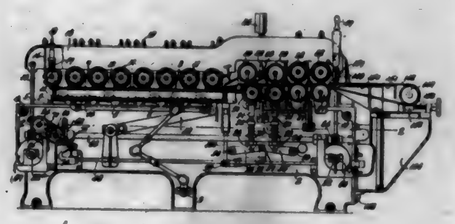
flange between which and said annular wall the ball is loosely clamped, packing in said chamber, and means for yieldingly urging said packing toward the flanged end of said chamber.

1,543,349. REFRIGERATOR. SHERIDAN A. WALKER, New York, N. Y. Filed Dec. 5, 1921. Serial No. 520,196. 5 Claims. (Cl. 220—0.)



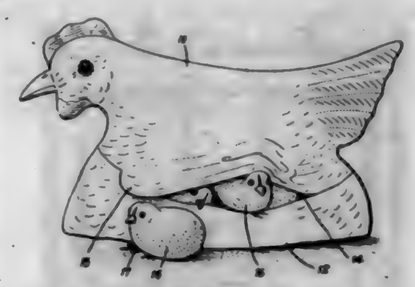
1. In a refrigerator, inner and outer wall sections, stiles, and rails, separate spaced top and bottom closures for the respective outer and inner wall sections, said stiles having side plates adapted to be connected to said outer and inner wall sections and the upper rail between said stiles having an upward flange therefrom, and the top closure of the outer wall section being adapted to frictionally connect with said outer wall section and said upper rail.

1,543,350. COLLAR-IRONING MACHINE. CHARLES E. WARHAM and ALBERT J. DREHER, Norwood, Ohio, assignors to The American Laundry Machinery Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Jan. 26, 1923. Serial No. 615,038. 6 Claims. (Cl. 68—9.)



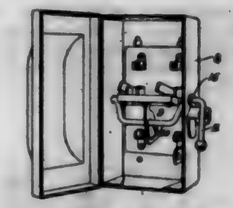
1. An ironing machine, comprising padded pressure rolls and heated ironing rolls, a power source, separate trains of gearing therefrom to the pressure rolls and to the ironing rolls, a heated ironing chest adapted to receive work from said ironing rolls, and a gang of padded pressure rolls rotating at the same speed as said first named pressure rolls for feeding the work along said chest for drying the same.

1,543,351. FIGURE TOY. ZAIDA B. WEBB, Astoria, N. Y., assignor to Averill Manufacturing Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,132. 3 Claims. (Cl. 46—40.)



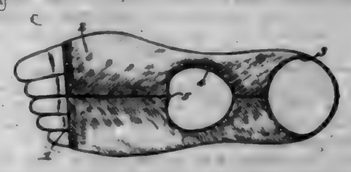
1. A toy comprising a body portion made to simulate a bird or fowl, having an internal pocket in the lower part thereof with an entrance thereto on each side of said body portion, and wings arranged to drop over and conceal the pocket entrances.

1,543,352. INCLOSED-SWITCH CONSTRUCTION. FRANK T. WHEELER, Plainville, Conn., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn., a Corporation of Connecticut. Filed July 3, 1922. Serial No. 572,432. 6 Claims. (Cl. 200—172.)



1. In an enclosed switch a box having a bearing seat in one side and an elongated closed sided slot in the other side, a switch mounted in said box, an operating crank having an integral handle with bearing portions, one end of said crank being supported in said seat, an integral sheet metal plate having a flanged bearing formed from it and projecting into one end of said slot and forming a bearing for said crank and covering said elongated slot, said crank being insertible through said slot, and means for securing said plate to the side of said box to cover said slot.

1,543,353. HOSE. HARRY S. WOLFF, New Rochelle, N. Y. Filed Aug. 21, 1924. Serial No. 733,270. 4 Claims. (Cl. 2—61.)



1. Underhose including a foot portion having a fashioned forward end extending forwardly beyond the ball of the foot and over the sesamoid bone, said forward end being open at its extremity to permit projection of the toes, said forwardly extending end entirely surrounding the corresponding portion of the foot, the said forward end converging forwardly to hold the material snugly to the foot.

1,543,354. FOLDING MACHINE. FRED T. ZACHER, St. Louis, Mo. Filed June 28, 1924. Serial No. 722,975. 3 Claims. (Cl. 270—68.)



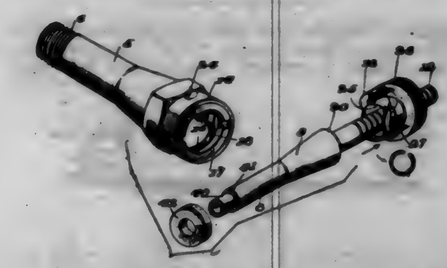
1. In a machine of the character described, the combination with a lower and an upper buckling roll, the latter of which has a circumferential groove, and devices for feeding sheets between said rolls, of a disc supported above said devices in line with said groove, a receptacle, means for conducting adhesive material from said receptacle to the periphery of said disc, and means for rotating said disc and thereby applying a line with said adhesive material to the sheets in line with said groove.

1,543,355. CLOSURE SEAL. EUGENE W. ZIPP, Minera Ridge, Ohio. Filed May 5, 1922. Serial No. 558,688. Renewed May 16, 1925. 2 Claims. (Cl. 220—39.)



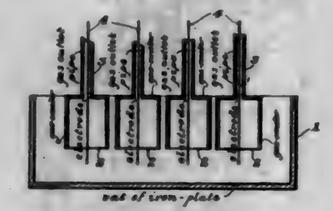
1. In combination, a container having a threaded opening therein, a threaded closure in engagement with the opening, a strip of metal extending across the top of the closure, members extending upwardly from the container on each side of the closure and projecting through said strip, said members being permanently attached to the strip whereby the turning of said closure automatically ruptures said strip.

1,543,356. HOSE COUPLER. MATTHEW HARKWOOD ARNOLD, Los Angeles, Calif. Filed Nov. 23, 1923. Serial No. 676,611. 6 Claims. (Cl. 285—174.)



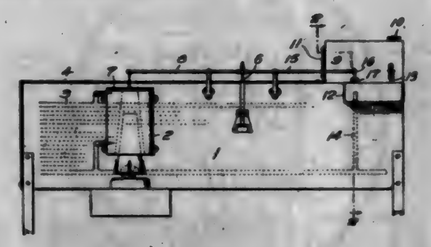
1. A coupling comprising inner and outer sections, the outer section being provided at its rear end with an annulus, a ring-nut threaded into said annulus and co-operating with the rear end of the outer section in defining an annular groove, a locking spring arranged in said annular groove and having bowed portions constituting locking devices, the inner section being provided intermediate its ends with a gradually enlarged portion defining an annular shoulder adapted to be engaged by said locking devices.

1,543,357. PROCESS FOR THE RECOVERY OF HYDROGEN AND OXYGEN BY ELECTROLYSIS. EMIL BAUR, Zurich, Switzerland. Filed Sept. 2, 1921. Serial No. 498,034. 1 Claim. (Cl. 204—1.)



A process or method for the recovery of hydrogen and oxygen, which consists in electrolysing with high current-densities molten caustic soda or potash or mixtures of the same, containing water in solution and restoring the water, decomposed by electrolysis, substantially as described.

1,543,358. AUTOMATIC CONTROL FOR HOT-WATER INCUBATORS. PAUL BAUR and ROBERT E. LAUCK, Taylor, Tex. Filed July 6, 1922. Serial No. 573,209. 2 Claims. (Cl. 236—4.)

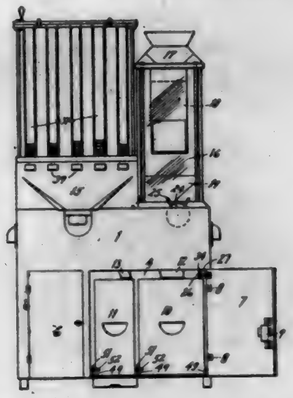


1. In the combination of an incubator having a hatching chamber, tubes for heating the chamber, a main water supply tank, and a thermostatic control, of an automatic water feeding device, comprising a stationary auxiliary water tank, a rigid supply pipe extending from the main tank to the auxiliary tank for maintaining the water in said auxiliary tank to a predetermined level, a pipe fixed to and extended through the auxiliary water tank slightly below said predetermined level, and a loosely mounted and thermostatically controlled valve for permitting water from the auxiliary tank to enter the heating tubes within said hatching chamber.

1,543,359. FARE-BOX APPARATUS. SAMUEL J. BELL, Springfield, Mass., assignor to Bell Register, Inc., Woonsocket, R. I., a Corporation of New York. Original application filed Oct. 4, 1921, Serial No. 505,433. Divided and this application filed July 12, 1923. Serial No. 651,190. 19 Claims. (Cl. 232—15.)

1. In a fare-box apparatus, a casing having a movable member, as a door, a fare-box mounted on said

casing, and provided with a discharging member, operating means for said discharging member, and means, interposed between said first-named member and said



first-named means, automatically to open said discharging member when said first-named member is moved in one direction.

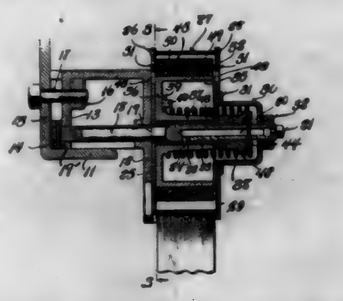
1,543,360. CLUTCH. HANS CHRISTIAN BJERRING, Gjovik, Norway, assignor to A/S. Autoslaede, Christiania, Norway. Filed May 26, 1924. Serial No. 716,019. 6 Claims. (Cl. 64—100.)



4. An elastic clutch for power driven vehicles, comprising, a driving member, a driven member, line contacting rigid power transmitting elements in the driving and the driven members, means permitting a progressive variation in the pressure between the said elements, said elements being arranged so that their lines of contact progressively shift to increase the torsion moment therebetween accordingly as the pressure between said elements increases, the drive changing from resilient to rigid as said lines of contact reach the position of maximum displacement.

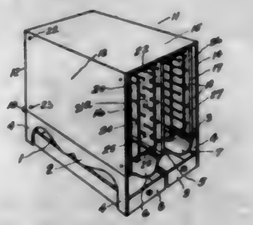
1,543,361. SHOCK ABSORBER. WILLIAM M. BORNING, Manitowoc, Wis. Filed Sept. 30, 1922. Serial No. 591,671. 8 Claims. (Cl. 267—10.)

1. The combination of an inner casing portion, an outer casing portion, a spindle, a pulley rotatable thereon, a band secured at one end to said pulley and wound thereabout and adapted to rotate said pulley, and a flexible member extending between windings of said band for exerting frictional resistance to move-



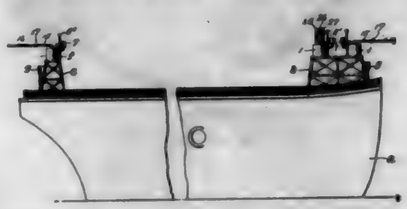
ment thereof, said flexible member being positioned between said casing portions and movable in its entirety inwardly and outwardly.

1,543,362. ELECTRIC COOKING DEVICE. ROSARIO BOLETIXO, Vancouver, British Columbia, Canada. Filed Jan. 17, 1924. Serial No. 686,845. 6 Claims. (Cl. 219—19.)



1. An electric cooking device comprising a longitudinally troughed plate supported on feet to provide a space below it, a casing hingedly connected at its rear end to the rear end of said plate and covering the same, said casing being open at the bottom and the front end, and a pair of electric heating elements substantially rectangular in formation secured in said casing adjacent the opposite sides of the same and adapted for connection to an electric circuit, said elements being superposed edgewise along the opposite sides of the said trough.

1,543,363. MEANS FOR DISSIPATING FOG. PACIFICO BORRA, West Hoboken, N. J. Filed Dec. 19, 1924. Serial No. 757,025. 4 Claims. (Cl. 114—0.5.)



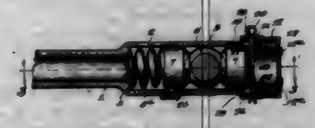
1. The combination with a ship, of means at the forward end of the ship for projecting a flame forwardly, and means immediately at the rear of said first mentioned means for projecting a flame upwardly.

1,543,364. STEERING REACH ROD. ALFRED B. BREEZE, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Sept. 3, 1920. Serial No. 408,024. 6 Claims. (Cl. 287—90.)



1. A ball joint including a tubular casing having an open end and a ball arm aperture in the side wall thereof and having diametrical apertures formed in the walls thereof adjacent said open end, a joint ball within the casing, means in the casing for engaging the ball for universal movement therein including an abutment member screw threaded into the one end of the bore of the casing, said abutment member having a diametrical aperture therein in registry with said diametrical apertures of the casing, a pin engaging the diametrical apertures of the casing and abutment member, and a collar engaging about the periphery of said casing covering the ends of said pin to retain it in aperture engaging position, said collar having an inturned flange at one end engaging over the end of said casing and abutment member.

1,543,365. REACH ROD. ALFRED B. BREEZE, Cincinnati, Ohio, assignor to The Cincinnati Ball Crank Company, Oakley, Cincinnati, Ohio, a Corporation of Ohio. Filed Feb. 16, 1922. Serial No. 537,101. 1 Claim. (Cl. 287—90.)



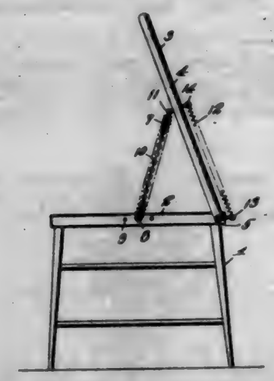
A closure and reenforcement cap for a tubular socket comprising two cylindrical cups, one of said cups attached concentrically at the interior of the other, said concentrically attached cup diametrically equal to the interior diameter of the tubular socket to which it is to be attached, and designed to engage, support, and reenforce the walls of said socket when said closure cap is positioned to close the end of said socket, and alignable apertures in said cups, and in said hub, traversible by a pin, for locking said cap.

1,543,366. SECURITY MEANS FOR CHECKS. RICARDO CANDRIANI, Buenos Aires, Argentina. Filed Dec. 20, 1921. Serial No. 523,761. 8 Claims. (Cl. 283—9.)



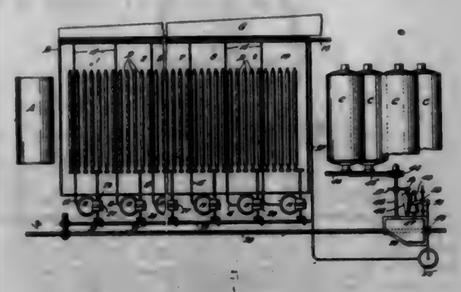
1. A check or other order for the payment of a sum of money, comprising three groups of figures, each group having the figures in consecutive order and each group having appropriate headings adapting it to have a figure thereof treated to indicate, in one group one figure of the amount of the check, in another group another figure of the amount of the check, and in the remaining group the total number of figures of the integer of the amount of the check.

1,543,367. ADJUSTABLE CHAIR BACK. WILLIAM CARR, Melvern, Kans. Filed Jan. 25, 1924. Serial No. 688,515. 2 Claims. (Cl. 155—164.)



1. In a chair the combination of a seat, a back pivotally connected at its lower end with the rear portion of said seat, coiled springs connected at one end to the side members of said back, substantially midway the length of said back and at their other ends to the side edges of said seat intermediate the length of the seat, chains extending through said springs and also connected at their ends to said back and seat, said chains being of a length sufficient to permit the back to tip to a predetermined point against the tension of the spring and a coiled spring connecting the rear edge of the chair seat with the upper portion of the chair back whereby said back is held against tipping forward beyond a predetermined point.

1,543,368. SPEED CONTROLLING MEANS FOR PAPER-DRYING MACHINES. WILLIS H. CARRIER, New York, N. Y., assignor to Carrier Engineering Corporation, New York, N. Y. Filed Sept. 20, 1920. Serial No. 411,524. 22 Claims. (Cl. 34—48.)

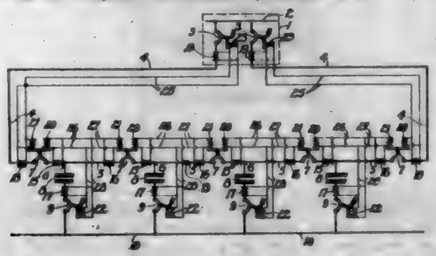


19. In a paper drying machine, the combination of a device for propelling the paper web, means for drying the travelling web, drive means for said propelling device including a differential gearing for changing the speed of said device, a pair of oppositely arranged cone pulleys, one of which is driven by the driven gear of said differential gearing, a shiftable member for transmitting motion from said pulley to the other pulley, said other pulley being connected with said differential gearing for changing the speed of the driven gear thereof, and means controlled by the tension of the paper web for shifting the shiftable member on said cone pulleys to regulate the speed of said device.

1,543,369. PROCESS OF PRODUCING A PHENOLIC CONDENSATION PRODUCT. CARNIB B. CARTER and ALBERT E. COXE, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill., a Corporation of West Virginia. Filed Aug. 23, 1922. Serial No. 583,914. 10 Claims. (Cl. 260—4.)

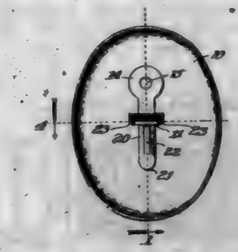
1. The process of producing a phenolic condensation product which comprises: causing a reaction between an aldehyde dichloride, a phenolic body and ammonia, the ammonia being present in sufficient quantity to combine with substantially all of the chlorine liberated in the reaction.

1,543,370. ELECTRIC DISTRIBUTION SYSTEM. PHILIP H. CHASE, Bala, Pa. Filed July 1, 1924. Serial No. 723,518. 18 Claims. (Cl. 175—294.)



16. An electric distribution system comprising circuit-interrupting devices, a feeder section adapted to be connected through said circuit-interrupting devices to a plurality of sources of power and to a tap to a load; and a balance protective system associated with each power-supply-circuit-interrupting device and with the tap, and adapted upon an unbalance in the protective system to isolate the feeder section from its sources of power and from the load.

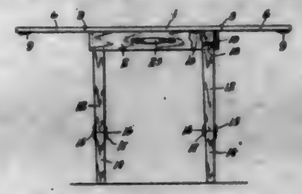
1,543,371. MEDALLION MOUNTING. JOSEPH A. DEDOUCH, Oak Park, Ill. Filed Jan. 19, 1925. Serial No. 3,530. 4 Claims. (Cl. 40—20.)



1. In combination, a plate having a depression on its under side, a bar secured thereto within said depression, a yieldable member adapted to pass between said bar and plate and to be fastened to a surface to which it is desired to secure said plate, and means on said member for locking said member on said bar when said member has been forced therethrough a predetermined distance.

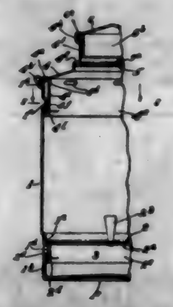
1,543,372. FOLDING CAMP TABLE. CHRISTOPHER ANDREAS DIDRICKSEN, Harvey, N. Dak. Filed Apr. 21, 1923. Serial No. 633,678. 3 Claims. (Cl. 190—11.)

1. An extension table comprising open-sided rectangular boxes, the bottom of each box being hinged along one side edge to one side edge of a strip of like length, said bottoms and strip having hinged to opposite end edges thereof sections adapted to fold out flush with the outer surfaces of said bottoms and strip to form a flat surface, and collapsible legs secured to the inner side of said bottoms and adapted to be disposed therein and collapsed, said boxes having a depth equal to substantially half the width of said strip so as to fold together thereon to form a closed case and the adjacent sides of said boxes having



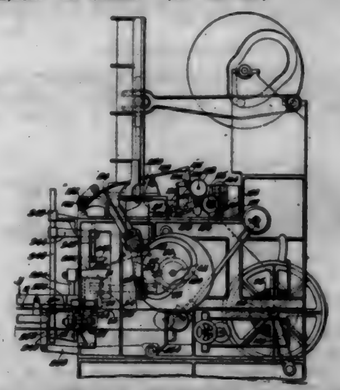
slots in their edges adjacent said bottoms and a plate adapted to be disposed across said strip and snugly fit in said slots so as to engage the inner surfaces of said bottoms to hold the same and said strip in extended position.

1,543,373. COOKING UTENSIL. LORAN F. DORR, Cleveland, Ohio. Filed Feb. 26, 1923. Serial No. 621,213. 4 Claims. (Cl. 53—1.)



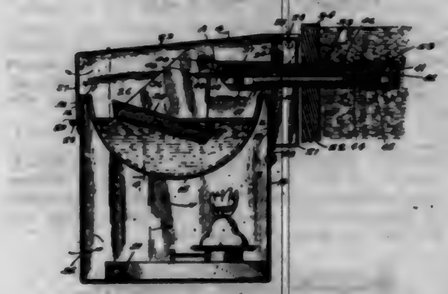
1. A cooking receptacle provided with a discharge opening and having a handle terminating in a plane with said discharge opening whereby said vessel may be supported by said handle in an inverted position for drainage.

1,543,374. PACKAGING MACHINE. ARTHUR CLARENCE EVERETT, Boston, Mass., assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass., a Corporation of Massachusetts. Filed Mar. 26, 1924. Serial No. 702,153. 40 Claims. (Cl. 93—36.)



1. In a machine of the character described, in combination, means for conveying successive articles into an operating position in the machine, means for operating upon the articles including web feeding mechanism, means for discharging the articles from the machine, means for controlling the operation of the machine, having provision for rendering it inoperative when an abnormal condition arises in the discharge of the articles from the machine, and for automatically rendering the machine operative again when such abnormal condition is removed.

1,543,375. STOCK FOUNTAIN. FRANK F. FILER, Marshalltown, Iowa. Filed Apr. 2, 1923. Serial No. 629,842. 5 Claims. (Cl. 119—73.)



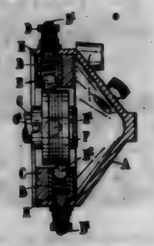
4. In a device of the class described, a casing, a trough slidably mounted thereon and forming a compartment therewith, a movable cover having walls arranged to project into said trough to coact with the trough for forming a compartment, an intake pipe extended into said second compartment, a float, means for pivotally supporting said float on the intake pipe for permitting the float to be tilted out of the way when the cover is moved from its normal position, so that the float will not interfere with the free sliding movement of the trough, and an auxiliary compartment communicating with the first and second compartments and surrounding the intake pipe adjacent to the trough for providing direct passage of heated air from the first compartment to the intake pipe and thence to the second compartment.

1,543,376. LEVEL. ORA L. FITCH, Point Marion, Pa. Filed Apr. 12, 1924. Serial No. 706,128. 2 Claims. (Cl. 33—215.)



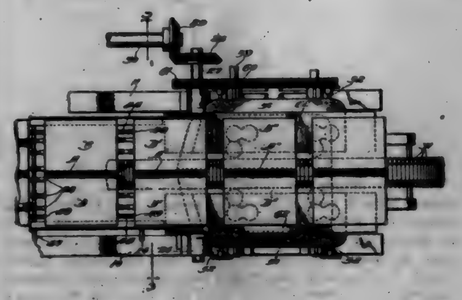
1. A level comprising a stock having a central circular opening, a segmental member supported in the lower portion of said opening, said segmental member being substantially of inverted V-shape in cross section and having graduations on the outer faces thereof, a pair of plates secured on opposite sides of the stock and arranged adjacent said opening, a weighted pendulum pivoted at its upper end between the lower ends of said plates and extending downwardly in said opening, the lower end of the pendulum being bifurcated to cooperate with the graduation on the segmental member, means associated with said plates for holding the same in adjusted position, said means comprising a pair of aligned cooperating lugs extending inwardly from said plates respectively adjacent the lower ends thereof, and a bolt extending through one of said plates and an opening provided in the lug carried thereby and threaded into the lug carried by the opposite plate.

1,543,377. IGNITION DISTRIBUTOR. HARRY FORD and GEORGE HENRY TAYLOR, Staffordshire, England. Filed Sept. 27, 1924. Serial No. 740,161. 1 Claim. (Cl. 200—26.)



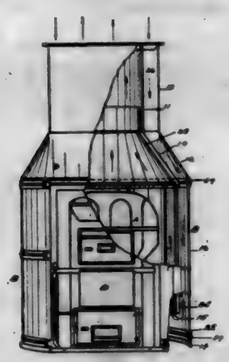
A distributor for electric ignition, comprising a rotatable cylinder of insulating material, an electrical conducting means for securing the cylinder to a shaft, a metallic contact strip imbedded transversely in the outer face of the cylinder, an electrical conducting means connecting the strip with the securing means for the cylinder, a plurality of sleeves arranged radially and in separate planes and having open ends terminating adjacent the rotatable cylinder, a spring pressed contact ball in each sleeve adapted to successively engage the metallic strip and to follow a separate track on the rotatable cylinder, and a ring adjacent the open end of each sleeve for preventing the balls from being discharged from the sleeves by the springs when the rotatable cylinder has been removed.

1,543,378. BOOKBINDING MACHINE. PHILIP FRASER and RAYMOND E. ACKLEY, Chicago, Ill., assignors to R. R. Donnelley & Sons Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 12, 1923. Serial No. 674,242. 7 Claims. (Cl. 1—4.)



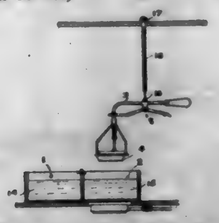
1. In a book binding machine having a continuously traveling belt having means to grip unbound books at regular intervals and hold them with their back edges in alignment, means for feeding a cover to the back edge of each book, said book and cover traveling together at the same speed, and means supporting the cover and traveling continuously at the same speed as the book and at the same time pressing said cover into contact with said book.

1,543,379. SECTIONAL FURNACE CASING. GEORGE HARMS and ROY C. WALKER, Peoria, Ill. Filed Nov. 25, 1921. Serial No. 517,470. 6 Claims. (Cl. 126—114.)



1. A hot air furnace having in combination a heater unit, a register, a casing spaced from and surrounding the heater unit to form a hot air passage, the said casing including a plurality of section units detachably secured together, each section unit comprising an outer wall substantially coextensive in height with the heater unit, an inner wall parallel to said outer wall and terminating above the lower edge thereof, and an intermediate wall coextensive in length with the inner wall and spaced therefrom to form an insulating compartment for the hot air passage, a passageway connecting the register with the passage formed by the outer and intermediate walls of the casing whereby cool air is circulated downwardly through the casing, and a passageway connecting the register with the space between the inner wall of the casing and the heater unit whereby the cool air is carried past the heater unit and heated thereby.

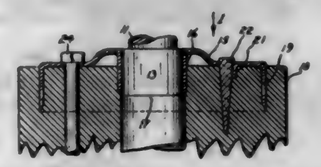
1,543,380. MEANS FOR FORMING AND BAKING PASTRY CRUSTS. GEORGE F. HARRELL, Oakland, Calif. Filed June 9, 1923. Serial No. 644,358. 3 Claims. (Cl. 53—7.)



1. In a device for making pastry crusts, the combination with a source of pastry supply, of a pastry mold, means for heating said mold, a handle for said mold, a supporting guide for said handle whereby the mold may be moved to and fro from said source of pastry supply, and means carried by said handle and operating against the exterior of said mold for removing the pastry crust formed thereon

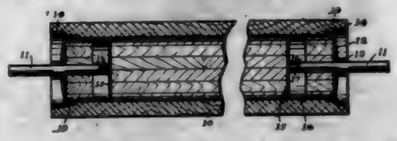
1,543,381. FLANGED ROLL CAP. CARL C. HARRIS, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1923. Serial No. 673,788. 8 Claims. (Cl. 92—47.)

4. The combination with a roll consisting of a single piece of wood and a stud extending from the end thereof, of a pressed steel plate located on the end of the roll and having a central circular flange projecting inwardly therefrom into the end of the roll and fitting said stud and provided with an integral circular flange at its circumference extending at right angles and driven into the end of the roll, said plate



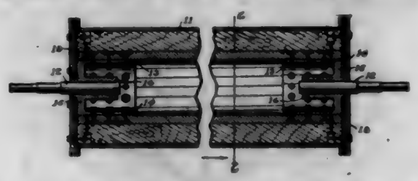
having a series of rectangular projections cut out on three sides and the metal bent inwardly at right angles on the fourth and driven into the end of the roll for receiving wedges therethrough to be driven into the roll.

1,543,382. END SUPPORT FOR HOLLOW ROLLS. CARL C. HARRIS, Orange, Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1923. Serial No. 673,789. 4 Claims. (Cl. 92—47.)



1. The combination with a wooden roll having a bore in the end thereof with a sheet metal disc having a cylindrical peripheral flange driven into the bore and having a central perforation, a stud centered in said perforation and projecting inwardly and outwardly from it, a second sheet metal disc having an external cylindrical flange supported in the roll at a distance from the first disc, and an integral central cylindrical flange provided with a central bore for receiving at the end of the stud.

1,543,383. REEL. CARL C. HARRIS, Orange Mass., assignor to Rodney Hunt Machine Company, Orange, Mass., a Corporation of Massachusetts. Filed Nov. 9, 1923. Serial No. 673,790. 3 Claims. (Cl. 92—47.)



3. As an article of manufacture, a wooden drum for the purpose described having a bore extending all the way from one open end to the other, a cast metal head having a cylindrical portion located in the end of the bore and bolted to the drum around its circumference and having a central hub, and a stud fixed in said hub and projecting beyond the end of the head and drum.

1,543,384. PROCESS OF DISSOLVING SUBSTANCES WITH THE AID OF EMULSIONS OF WOOL FAT. OLIVER HERZOG, Berlin-Dahlem, Germany. Filed Jan. 29, 1925. Serial No. 5,665. 7 Claims. (Cl. 87—9.)

4. The method of making aqueous emulsions of liquids insoluble in or but slightly soluble in water, which comprises emulsifying such a mixture with either the waxy or the oily wool fat fraction and its sulphonated product.

1,543,385. PAPER CLIP. ORAMEL ERNEST HIBBARD, Greenwich, Ohio. Filed Oct. 26, 1923. Serial No. 670,925. 1 Claim. (Cl. 24—138.)



A paper fastener consisting of a fastening pin and a sheet metal guide arched to provide inclined sides permitting the formation of a slight depression in the papers to be fastened, the said guide having an upturned portion at one end provided with a central opening to receive the shank of the fastening pin and having portions at its opposite end turned inwardly to provide a tubular sleeve for the reception of the point of the said pin.

1,543,386. RAZOR-BLADE SHARPENER. JOHN HOLTZMAN, New York, N. Y. Filed Feb. 15, 1922. Serial No. 536,715. 3 Claims. (Cl. 51—40.)



1. In a razor blade sharpener the combination of a casing with an opening in each side wall thereof, a journal bearing supported in each of said openings, flexible means bearing on the journal bearings, a blade holder journaled in said bearings, means to clamp a blade to the blade holder, a pair of spindles supported in the casing below the blade holder, a sharpening roll mounted on each spindle, and means to simultaneously actuate the sharpening rolls and coacting means between the sharpening rolls and the blade holder to actuate the latter.

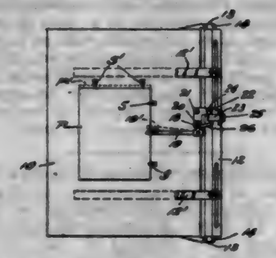
1,543,387. SAFETY RAZOR. KARL KAWALLE, Manitowoc, Wis. Filed July 3, 1922. Serial No. 572,685. 1 Claim. (Cl. 30—12.)



A power driven razor comprising a body portion, a driving shaft extending through said handle into said body portion, a worm extending at right angles to said driving shaft and operatively coupled thereto, a rotor having a plurality of spirally arranged cutting teeth meshing with said worm, and a guard plate having an aperture therein and cooperating with said rotor.

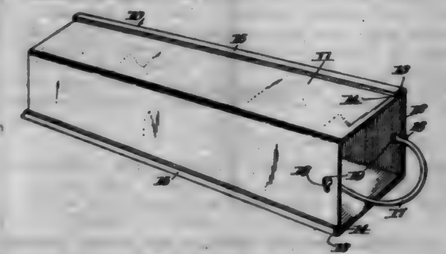
1,543,388. SHEET-POSITIONING DEVICE FOR PRINTING PRESSES. CARROLL M. KIRKLAND, Seattle, Wash., assignor to Miller Saw Trimmer Company, Pittsburgh, Pa. Filed Mar. 2, 1923. Serial No. 622,208. 3 Claims. (Cl. 101—414.)

1. A register device for a platen press comprising a sheet carrier disposed on the platen and arranged for reciprocatory movement laterally thereof, said carrier having a blade element engageable against the underside



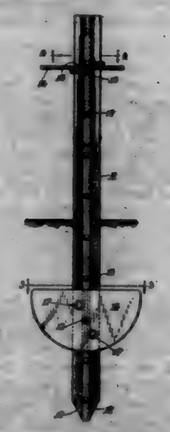
of a sheet of paper and a spring pressed ball engageable against the upper side of the sheet.

1,543,389. MOLD. CHARLES HENRY KNIGHT, Louisville, Ky. Filed Apr. 9, 1924. Serial No. 705,333. 4 Claims. (Cl. 100—57.)



1. In a mold of the class described, a body composed of relatively sidable sections, and a bail of stiff material to support said sections detachably connected to one of the sections and normally preventing relative movement of the sections.

1,543,390. FENCEPOST. ROBERT V. FUNK, Chicago Heights, Ill., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Oct. 20, 1922. Serial No. 595,739. 2 Claims. (Cl. 189—29.)



2. A metal fence post adapted to be driven into the ground, comprising in combination, a metal post T-shape in cross-section having its stem full width its entire length and its flanges oppositely beveled to facilitate

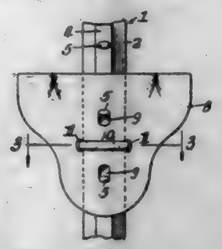
the entrance of the post into the ground, said post having lugs integral therewith outstanding therefrom and spaced apart lengthwise the post, and a substantially semi-circular anchor-plate riveted to a face of said post with its curved edge downward, said plate having a substantially central aperture receiving one of said lugs to assist in holding the plate in position on the post during the sinking of the latter into the ground, one or more of said lugs being designed to cooperate with the fence wire or wire to support the latter.

1,543,391. FENCEPOST. RAYMOND C. KNOPKE, Wheaton, Ill., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 18, 1922. Serial No. 601,711. 1 Claim. (Cl. 189—29.)



A metallic fence post having a flat surface provided with a row of integral studs spaced at intervals lengthwise of the post, a ground anchor plate having a single aperture for accommodating one of said studs so the plate may lie flatwise against said surface, and arranged on the post with the adjacent studs at the upper and lower edges of the plate and means for holding the plate in contact with the post.

1,543,392. FENCEPOST. RAYMOND C. KNOPKE, Glen Ellyn, Ill., assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill., a Corporation of Delaware. Original application filed June 4, 1923, Serial No. 643,142. Divided and this application filed July 25, 1923. Serial No. 653,626. 1 Claim. (Cl. 189—29.)



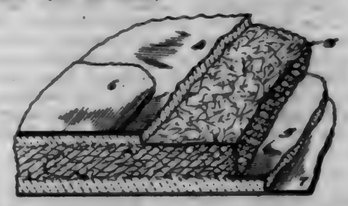
A metal fence post, comprising a front flange having a plurality of lugs or studs projecting outward therefrom, said lugs being spaced apart lengthwise of said post, and flattened out transversely thereof, an anchor plate applied against the front face of said flange, said plate having holes therein for the lugs to pass through, and a clip applied against the front face of said plate between said lugs, said clip having its ends extending through holes in said plate on opposite sides of said flange and clinched or bent over the same to hold the plate on said post.

1,543,393. LAUNDRY-TRAY FAUCET. JOHN T. KNOTT, Peru, Ind. Filed Aug. 25, 1924. Serial No. 733,909. 4 Claims. (Cl. 137—111.)



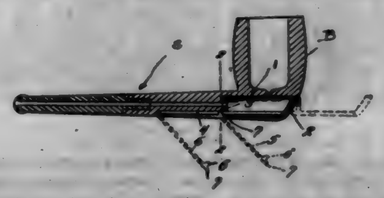
1. In a faucet, a faucet body having integral legs spaced apart each having a foot with side walls and a pendant jaw, there being a chamber form in the foot by said walls and opening through the back thereof; a movable jaw for each foot having an overhanging extension position in the chamber of the foot and held alined therein between the side walls of the foot; and a screw extending through the front of each foot and into the extension of the corresponding movable jaw.

1,543,394. COMPOSITION BOARD AND PROCESS OF MAKING THE SAME. JOHN E. PARSONS, Los Angeles, Calif. Filed Dec. 28, 1922. Serial No. 609,546. 5 Claims. (Cl. 18—47.5.)



1. A process of making a composition board consisting in, first immersing a flexible fibrous sheet of material in a heated liquid composed of glue, shellac, resin and water, until the fibrous material becomes saturated with the liquid, second, removing the saturated fibrous material, third, partly drying the material, forming the saturated material by applying pressure thereto, and fourth, coating the material with a plastic paste composed of glue, commercial whiting, resin and shellac.

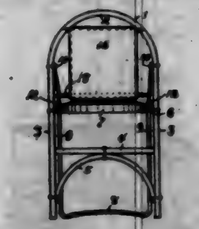
1,543,395. SMOKING PIPE. NELS PAULSEN and MERTON A. COLAN, Chicago, Ill. Filed July 2, 1924. Serial No. 723,749. 2 Claims. (Cl. 131—12.)



1. A smoking pipe comprising a body including a tobacco receiving bowl and a bored stem extending laterally therefrom, said stem and bowl being recessed, an open ended cylinder fitted into said recess, a plunger

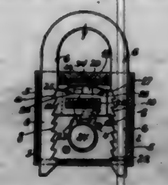
slidably mounted in said cylinder and provided at its opposite ends with heads closing the opposite ends of the cylinder, one of said heads being provided with a central aperture in alignment with the bore of said stem, and a pivotally mounted lever having connection with the plunger for sliding it in or out of said cylinder.

1,543,396. FOLDING CHAIR. WILLIAM C. RASTETTER, Fort Wayne, Ind. Filed May 10, 1924. Serial No. 712,424. 1 Claim. (Cl. 155—142.)



In a folding chair, a main frame formed of a wooden strip bent in its middle to form a loop with contiguous parallel straight legs, there being a brace connecting the legs in spaced relationship with each other; a seat pivotally supported between the legs; a U-shaped prop pivoted at the ends of its respective arms in the frame at a point therein above the pivotal support of the seat; a stop fixed on each arm of the prop; an eyebolt at each side of the seat at the back thereof through the head of which said side arms loosely extend respectively, said eyebolts having sliding movement on said arms limited in their upward movement by the corresponding stops; and a flexible back secured at its upper end in the main frame, and having a pocket along its lower end and a close coil spring secured at its respective ends to the corresponding arms of the prop and extending through the pocket in the back.

1,543,397. PADLOCK. CHARLES S. SCHROEDER, Stamford, Conn., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Filed July 29, 1924. Serial No. 728,903. 6 Claims. (Cl. 70—108.)



1. In a padlock, the combination with a casing and a shackle, of relatively movable bolts to engage the shackle legs, yielding dead-locking means to engage said bolts, each of said bolts having means normally holding said dead-locking means out of dead-locking relation to the bolts but permitting said dead-locking to move into dead-locking relation to one bolt when the other bolt is moved out of locking relation with one of the shackle legs by surreptitious attempt to open the lock.

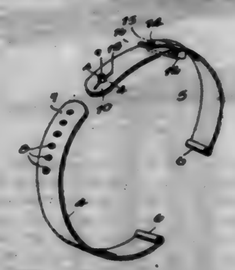
1,543,398. FILAMENT SUPPLIER FOR SILK-REELING MACHINES. SHICHIRO SENGA, IWANE KAWATA, and RYOICHI NAITO, Kobe, Japan, assignors to Kanegafuchi Boseki Kabushiki Kwaisha, Tokyo, Japan. Filed Apr. 18, 1923. Serial No. 633,002. 1 Claim. (Cl. 19—3.)

A filament supplier for silk reeling machines comprising a main wheel, a shaft supporting said wheel having an opening therethrough adapted to receive filaments of cocoons, said wheel having a plurality of curved recesses extending from the periphery to a point adjacent the opening in the shaft and defining a series of correspondingly curved teeth, a second wheel, means rotatably supporting the second wheel in such position that it partially overlies the first mentioned wheel, and a plurality of teeth carried by the second mentioned wheel curved in the direction of curvature of the teeth of the first



mentioned wheel, the teeth of the second mentioned wheel being adapted to engage and guide the filament of a cocoon into the path of oppositely moving teeth of the first mentioned wheel and said latter teeth being adapted to cause the filament to be guided into contact and united with filaments passing upwardly through the opening in said shaft, said filament being broken due to increased tension thereon incident to further movement of the wheels.

1,543,399. WRIST-WATCH BAND. HERBERT KEMP SMITH, New Orleans, La., assignor to Merle Powe Smith, New Orleans, La. Filed Sept. 26, 1922. Serial No. 590,666. 6 Claims. (Cl. 224—4.)

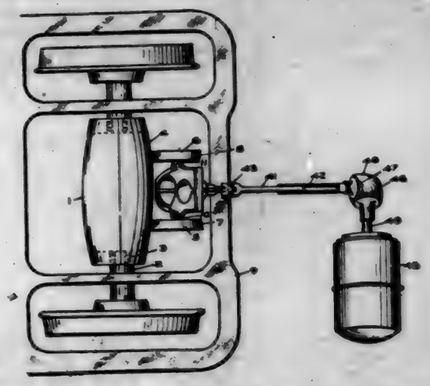


2. A band for securing wrist watches in position comprising a pair of members adapted to be pivotally connected to a wrist watch at their inner ends, the free end of one of the members being provided with a plurality of spaced perforations, a split lug mounted on the free end of the other member, the free end of the said second member being provided with a slotted portion in alinement with the space between the split portions of said lug whereby the split portions of the lug will be located in expanded relation with each other, said split portions of the lug adapted to be contracted and forced through one of the perforations in the free end of the first member with the split portions of the lug expanding within the perforations and locking the free ends of the two members together, and means slidable on the second member and engageable with the split lug for aiding in maintaining said lug in a perforation in the first member.

1,543,400. POWER-TRANSMITTING DEVICE. JOHN BAPTIST STARKEY, Montreal, Quebec, Canada. Filed Mar. 30, 1923. Serial No. 628,780. 18 Claims. (Cl. 105—104.)

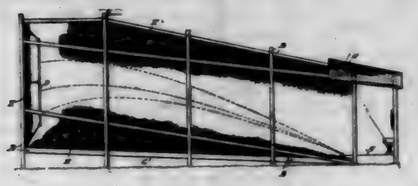
1. In a power transmitting device, a friction drive having a roll mounted on a car axle and formed with a wide face arc-shaped in longitudinal section and con-

centric with the swing of the axle and movable over the faces of a pair of friction wheels suitably mounted and journalled and a transmission shaft and gearing, in-



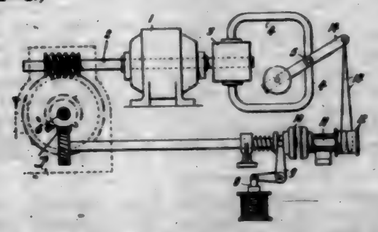
clusive of a differential group of gears, communicating the motion of said friction wheels to the device to be driven.

1,543,401. GOLF-PRACTICE APPARATUS. JOSEPH A. STEINMETZ, Philadelphia, Pa. Filed Mar. 2, 1922. Serial No. 540,598. 5 Claims. (Cl. 273—35.)



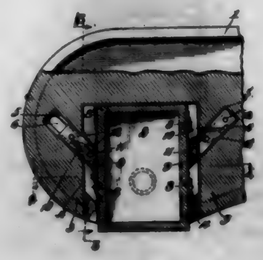
1. The combination with a narrow upwardly open runway upwardly inclined from a player's stand to its own distant opposite end, of a large netting tube open below and having its marginal portion upwardly inclined in opposite directions and continuous with the corresponding margins of the runway, a sheet closing said distant end, and means for holding the netting in proper position.

1,543,402. HYDRAULIC BRAKING DEVICE FOR SHAFT-OPERATED LIFTS. PERCY HERBERT STEVENS, Northampton, England, assignor to Smith, Major & Stevens Limited, Northampton, England. Filed July 14, 1924. Serial No. 725,902. 3 Claims. (Cl. 192—2.)



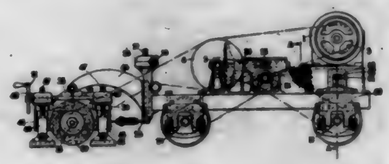
1. In shaft-operated lifts; an hydraulic braking device, a valve capable of being progressively closed coacting with said hydraulic braking device, means to cause the gradual and complete closure of the valve of said braking device when the lift cage reaches a point in predetermined relationship to a floor at which it is desired to stop, a clutch to connect and disconnect said valve operating means to and from the driving mechanism of the lift, and means to cause the engagement of said clutch to operate the closure of said valve when the lift cage reaches a point in predetermined relationship to the floor at which it is desired to stop.

1,543,403. RAILWAY-CAR TRUCK. HARRY C. STICKEL, Dawson, Pa. Filed Jan. 10, 1925. Serial No. 1,609. 4 Claims. (Cl. 105—220.)



1. Means for holding journal boxes in car trucks, comprising a side frame having spaced pedestal jaws provided in their opposed faces with vertical grooves and chambers communicating with said grooves, a journal box adapted to fit between said jaws and having ribs slidably engaging said grooves, said ribs being provided with seats, and dogs loosely mounted in the chambers and adapted to gravitate into said seats to hold the journal box in position.

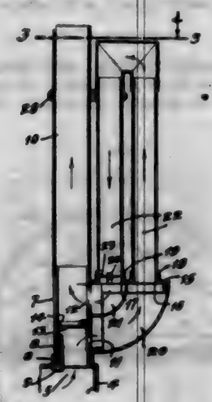
1,543,404. RAIL-DRESSING MACHINE. HARRY POTTS STOKES, Plymouth, and JOSEPH WILLIAM EUNSON, London, England. Filed Oct. 27, 1922. Serial No. 597,891. 8 Claims. (Cl. 51—178.)



1. A machine for dressing rails on the track comprising a motor truck, a twin grinding attachment mounted upon the forward end of the truck frame, means for driving said truck and grinding attachment, lateral balancing means for the rear portion of said truck frame, and vertically adjustable shoes at both sides of said grinding attachment.

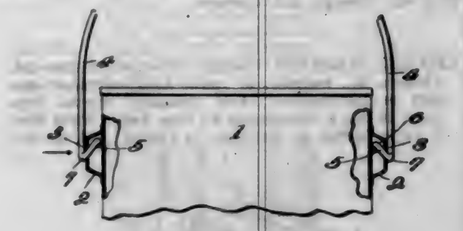
1,543,405. AUXILIARY HEATER. HERMAN C. SWENSON, Houston, Minn. Filed Aug. 24, 1923. Serial No. 659,126. 5 Claims. (Cl. 257—177.)

3. An auxiliary heater comprising a smoke pipe section having outlet and inlet ports, outlet and inlet elbows communicating respectively with said outlet and inlet ports, a damper in said base section between said two ports, a plurality of return pipes connecting said two elbows, and simultaneously operative dampers for the return pipe at the inlet elbow, said damper in the smoke pipe base section being gravity-held in either of



its two extreme positions and the dampers for the return pipes having means for holding the same in predetermined positions.

1,543,406. BAIL FOR PAINT CANS OR THE LIKE. JOHN C. TALIAFERRO, Jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y., a Corporation of New York. Filed July 20, 1923. Serial No. 652,815. 1 Claim. (Cl. 220—95.)

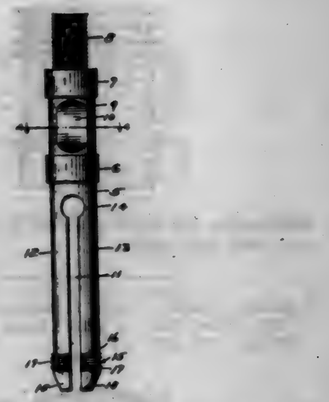


A wire bail for cans or the like having perforated ears, said bail having its ear engaging portions bent inwardly and upwardly into open spiral supporting hooks when the bail is in vertical or raised position, the free end of the bail at the terminal of the spiral being tapered to a point to form an entering wedge adapted when the end of the bail is sprung into the opening in the ear to engage the inner wall of the ear so that a turning of the bail when the bail is in lowered position will cause the spiral end thereof to screw into the opening in the ear and be permanently held attached to the can.

1,543,407. FISHING TOOL. DAVID S. TANDY, Walters, Okla. Filed Oct. 17, 1923. Serial No. 669,082. 1 Claim. (Cl. 294—99.)

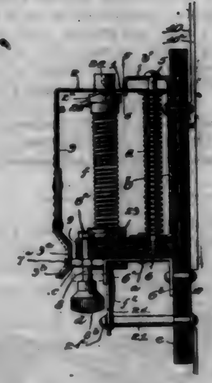
A tool of the character described formed of a single piece of metal and spaced annular guides formed thereon for engagement with the sides of the well tubing, said tool provided with a reduced screw threaded end for engagement with an operating rod, a pair of spaced resilient gripping arms formed on the tool, the ends of said arms being tapered, an enlarged annular collar formed on the gripping arms adjacent their ends, said enlarged

collar provided with screw threads for engagement with the internal threads of a well cage, said enlarged collar forming a shoulder to engage under and hold a ring or



leather against displacement when said arms have been forced therethrough, said tool provided with flattened portions to be engaged by a wrench.

1,543,408. THERMALLY-OPERATED CIRCUIT CONTROLLER. GEORGE H. WHITTINGHAM, Baltimore, Md., assignor to Monitor Controller Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 29, 1922. Serial No. 584,939. 11 Claims. (Cl. 200—122.)



1. In a thermally operated circuit controller, a switch lever, a spring tending to rock said lever in one direction and a plurality of thermostats for rocking said lever in the opposite direction, each thermostat comprising a closed chamber containing an expansible liquid and having a tubular annularly corrugated wall adapted to bear against said lever, and means for adjusting said chambers independently toward and from the lever.

1,543,409. EXPANSIBLE PISTON. OTTO WIGGERS and JOHN WIGGERS, Walla Walla, Wash. Filed Jan. 22, 1923. Serial No. 614,259. 2 Claims. (Cl. 74—108.)

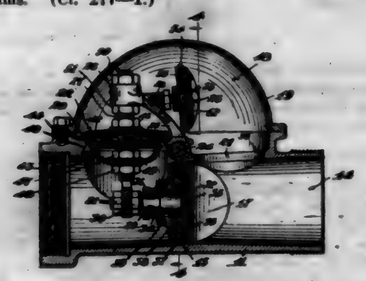
1. In an expansible piston, a slotted skirting, a slotted reinforcing rib within said skirting, the slots

thereof providing for equal expansion, wedgeshaped projections one on each side of the slot in the interior of



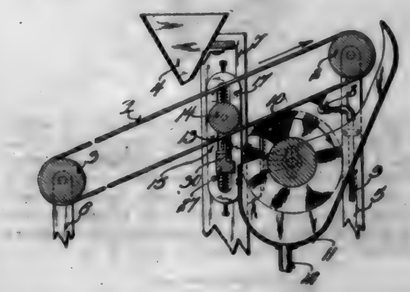
said skirting, and means to expand said projections and with them said skirting.

1,543,410. VALVE. JOHN L. WILLIAMS, Los Angeles, Calif. Filed Sept. 11, 1923. Serial No. 662,028. 10 Claims. (Cl. 277—1.)



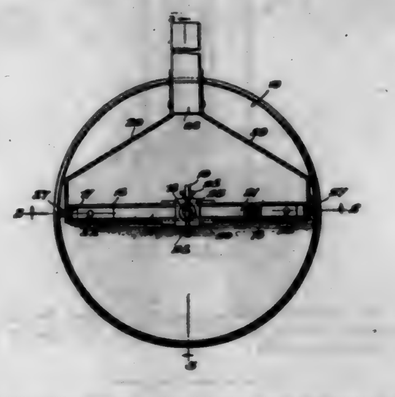
1. In a valve, a valve casing having a main passage and a by-pass passage communicating at its ends with the main passage, a valve adapted to open and close the main passage at a point between the communications of the by-pass passage, a valve adapted to close one of the communications to the by-pass passage when the main passage is closed, the valve in the main passage being adapted to close said last named communication when said valve is in its fully open position, and a valve adapted to close the other by-pass passage when the main passage is open.

1,543,411. PICKING TABLE FOR PEA VINERS AND CLEANERS AND THE LIKE. ALVIN C. WITTIG, Hartford, Wis. Filed Feb. 16, 1925. Serial No. 9,556. 2 Claims. (Cl. 130—18.)



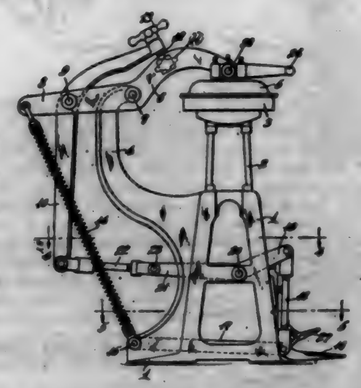
1. The combination of a traveling belt, means for spraying liquid against the under side of said belt, a rotary brush positioned rearwardly of said means, means engaging the under side of said belt, a scraping blade mounted rearwardly of said brush and below said belt, adjustable means for yieldingly pressing said knife into engagement with said belt, a roller mounted above said knife, and adjustable means for yieldingly pressing said roller downwardly into contact with said belt to hold said belt in engagement with said knife.

1,543,412. WAX-APPLYING AND POLISHING DEVICE. GEORGE H. WOOD, Roanoke, Va. Filed Aug. 7, 1923. Serial No. 656,262. 22 Claims. (Cl. 91—43.)



1. In a wax-applying device, the combination of a plate having a relatively long narrow aperture extending therethrough, a wax receptacle on said plate in communication with said aperture, means for positively feeding the wax from said receptacle through said aperture, and a wax-distributing fabric on the bottom of said plate supplied with wax through said aperture.

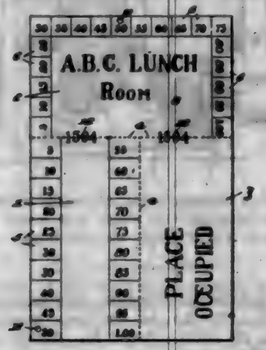
1,543,413. GARMENT PRESS. WILLIAM E. ANDERS, Chicago, Ill., assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y., a Corporation of New York. Filed Nov. 8, 1919. Serial No. 336,575. 13 Claims. (Cl. 68—8.)



1. A garment press comprising a frame, a garment support thereon, a pressing head, a swinging lever carrying said head and having a depending arm movable back and forth with said lever and without motion relative thereto during movements of the head, a treadle, a two-armed lever pivoted in the frame at substantially the level of the lower end of said depending arm, a

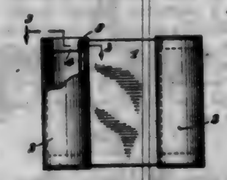
link connecting a first arm of said lever to said treadle, and a second link connecting a second arm of said lever to said depending arm, said second second link and second arm being arranged to operate as a toggle mechanism during closing movement of the press.

1,543,414. DISCOUNT LUNCH AND PREMIUM CHECK. SETRAK ASATURIAN, Babylon, N. Y. Filed Nov. 19, 1923. Serial No. 675,668. 3 Claims. (Cl. 283—60.)



3. A lunch check having three separable coupons, one of said coupons bearing seat reserving indicia, and the other two coupons having means for indicating the amount of the purchase thereon, one of said latter coupons also having means for indicating a percentage discount to be allowed on said purchase.

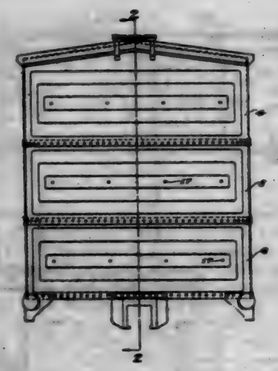
1,543,415. SPRING-HINGE MEMBER. EMIL BOMMER, Brooklyn, N. Y. Filed July 21, 1923. Serial No. 652,924. 3 Claims. (Cl. 16—183.)



1. A spring-hinged member comprising a single thickness web section and a single thickness barrel section formed integral with each other, a thimble having a cylindrical flange engaging the inner surface of the end of said barrel section and a laterally extending flange overlapping the end of said barrel section and a part of the single thickness web section, and also the joint between the free end of said barrel section and said web section, and means permanently and fixedly joining the barrel section with the thimble, for strengthening the barrel section with respect to the web section, through the intermediary of the thimble and prevention of shift of the parts.

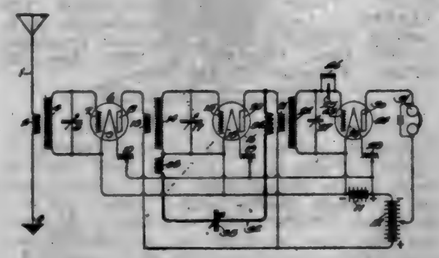
1,543,416. CAR WALL STRUCTURE. CHARLES D. BONSALL, Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed July 24, 1922. Serial No. 577,035. 25 Claims. (Cl. 105—410.)

4. A sheet metal structure for car walls having an embossed panel pressed from the plane of the sheet with flat margins surrounding said panel and an embossed panel pressed from the first mentioned panel with flat



margins surrounding the last mentioned panel, the margins at the sides of the panels being wider than the margins at the ends of the panels.

1,543,417. SYSTEM OF RADIOCOMMUNICATION. HARRY A. BREMER, Chicago, Ill., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Dec. 1, 1924. Serial No. 753,147. 3 Claims. (Cl. 179—171.)

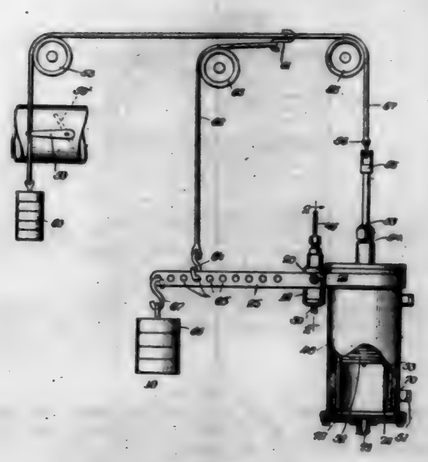


1. In a radio system of communication, the combination with a thermionic valve having an input circuit and an output circuit; of an input transformer having a secondary in said input circuit; an output transformer having a primary in said output circuit; a bridge connecting said circuits and including two coils, one being in inductive relation to the said input transformer secondary and the other being in inductive relation to said output transformer primary, the first coil operating through the input transformer secondary to oppose the feed back effect of the output circuit upon the input circuit and the second coil deriving potential from the output transformer primary and supplying it to the first coil for this purpose; and adjustable capacitance in said bridge.

1,543,418. REGULATOR FOR HIGH-PRESSURE SYSTEMS. KENNETH J. BUDLONG, Chicago, Ill., assignor to National Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1921. Serial No. 500,195. 17 Claims. (Cl. 236—85.)

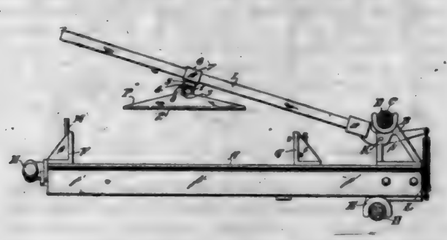
1. In a regulator, the combination with a cylinder; a piston operating therein; and a source of fluid pressure of means for utilizing said pressure to regulate

the movement of said piston, said means comprising a check valve adjustable to open at a predetermined



fluid pressure; rotatable means for varying the adjustment of said valve; and means for utilizing the movement of said piston to rotate said rotatable means.

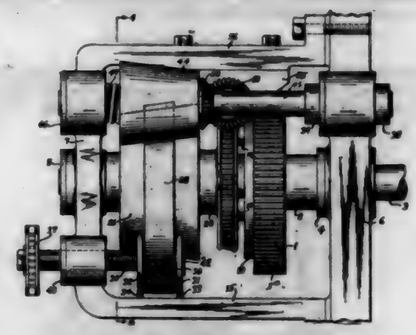
1,543,419. PRESSURE-FOOT ATTACHMENT FOR CLAMPS. RAYMOND W. BURNS, Poughkeepsie, N. Y., assignor to James L. Taylor Mfg. Co., a Corporation of New York. Filed Mar. 24, 1923. Serial No. 627,270. 8 Claims. (Cl. 144—289.)



1. The combination with a clamp having a work supporting body, and a pressure foot rod, of a pressure foot to engage work on said body, and a support on said rod for permanently supporting said pressure foot and having a plurality of seats to selectively receive said pressure foot to accommodate work of different thicknesses while so permanently supported.

1,543,420. SPEED-CONTROLLING MECHANISM. ELLIS W. COOPER, New York, N. Y. Filed Mar. 4, 1922. Serial No. 541,152. 8 Claims. (Cl. 74—34.)

1. A speed varying and controlling mechanism, comprising a driven shaft, a driving gear freely rotatable on the shaft and having external gear teeth for receiving a driving force, and also having internal gear teeth, a worm wheel loosely mounted on the shaft, a planetary pinion mounted on the worm wheel meshing with the internal gear teeth on said gear wheel, a gear wheel fixed to rotate with the shaft and meshing with the pinion, a shaft perpendicular to the driven shaft and



having a worm meshing with the worm wheel, and connections for rotating the worm and worm wheel proportionately to the rotation of said shaft.

1,543,421. CROWN-MOUNTED PORCELAIN-FACING ELEMENT. HAROLD A. COTTLER, Brooklyn, N. Y. Filed Sept. 26, 1924. Serial No. 739,978. 3 Claims. (Cl. 32—29.)



1. In artificial teeth, a metal crown adapted closely to embrace and enclose a prepared natural tooth, the labial portion of said crown being formed with opposed laterally spaced undercut flanges faced towards each other approximately along the lengthwise profile edges of said crown and forming on said crown a virtual keyway open at both ends, in combination with a tooth facing keying between said flanges in said keyway and free at its gum end to be adjusted relatively to said crown and the gum line.

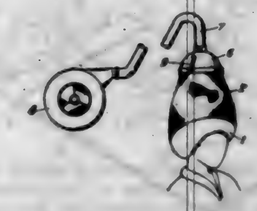
1,543,422. LEVER. WILBUR J. COULTAS, Moline, Ill., assignor to Deere & Company, Moline, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,414. 1 Claim. (Cl. 74—31.)



In a lever, the combination of an upper and a lower section, the lower section pivotally mounted on a support, and the upper section pivotally attached intermediate its ends to the lower section and having a rearward recess at its lower end, said sections normally in alinement and when the lever is moved in one direction, an arcuate rack on the support, a detent pivotally mounted intermediate its ends on the lower section, its lower end engaging with said rack and its upper end

in constant contact with said upper section within the recess therein, and a spring coiled about the pivot of said detent having one of its ends connected to said detent below the pivot thereof and its opposite end bent to engage with the forward edge of the lower section whereby said detent is held in operative position relative to the upper section of the lever and the arcuate rack.

1,543,423. HAIR-DRYING APPARATUS. FELIX COUNE, Chicago, Ill. Filed Aug. 21, 1924. Serial No. 733,274. 7 Claims. (Cl. 34—26.)



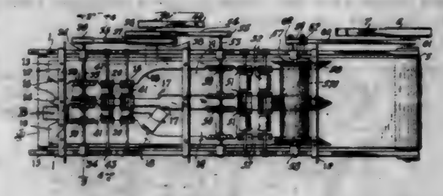
1. An article of manufacture comprising a member of substantially oval cross section for fitting about the head and for fastening thereto at or below the hair, said member terminating slightly above the hair with an open end for permitting access to the hair either for treatment thereof or for attaching the member to an upper section of a hood adapted for use with a hair drying apparatus.

1,543,424. LIGHT-SOURCE COVERING. CLIFFORD W. COWLES, New Britain, Conn., assignor to Groundulet Company, Newark, N. J., a Corporation of New Jersey. Filed Jan. 9, 1924. Serial No. 685,096. 11 Claims. (Cl. 40—131.)



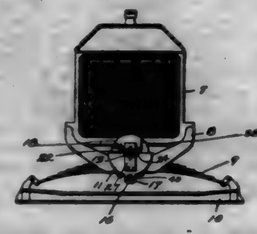
10. The improved covering for light sources concealed thereby, which comprises minute tinsel hairs having reflecting surfaces and arranged in the form of a substantially continuous winding constituting a fabric-like structure, said hairs being opaque but spaced apart in said winding sufficiently to permit passage of light therethru by way of said spaces and said reflecting surfaces of the opaque hairs.

1,543,425. TILE-FETTLING MACHINE. ANTHONY W. CRISTIANI, Red Bank, N. J. Filed Dec. 15, 1922. Serial No. 607,053. 11 Claims. (Cl. 25—104.)



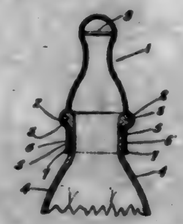
1. A machine for fettling tile before they are fired, comprising a support to receive tile and a plurality of tile fettling devices relatively positioned to cause successive fettling engagements of said fettling devices with the edge of said tile upon relative movement of said support and said fettling devices, the said fettling device first engaged by said tile removing the major portion of the surplus material from the edge of the tile and the others of said fettling devices smoothing and finishing said edge, and means for producing said relative movement of said support and said fettling devices.

1,543,426. POWER ATTACHMENT FOR MOTOR VEHICLES. THOMAS H. CUMMINGS, St. Louis, Mo. Filed Dec. 27, 1921. Serial No. 524,839. 5 Claims. (Cl. 180—53.)



1. A power device for motor vehicles, comprising in combination with a motor vehicle and its engine a housing secured to said vehicle, a shaft slidably mounted in said housing, a pulley slidably mounted on said shaft and rotatable therewith, means for sliding said shaft for engaging and disengaging said shaft with the engine of said vehicle, and a sheave wheel mounted in said housing below and at right angles to said pulley.

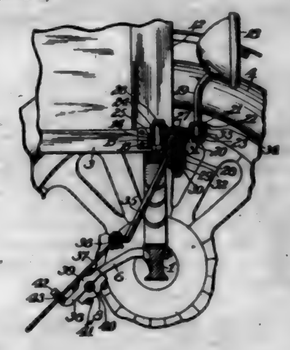
1,543,427. NIPPLE. CARROLL K. DENNEY, New York, N. Y. Filed Aug. 6, 1924. Serial No. 730,357. 1 Claim. (Cl. 128—262.)



A nipple having a body portion of uniform thickness throughout, said body portion having a conforming ring therein to fit the lip of a nursing bottle, a collar below said conforming ring adapted to fit the neck of said bottle, a vacuum ring formed in said collar portion, said collar portion terminating in a bevelled edge

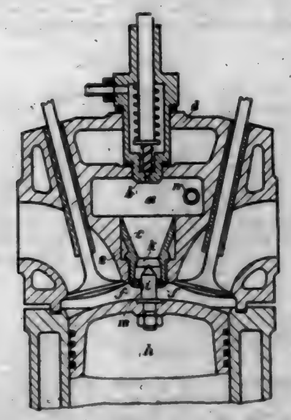
to permit of rolling back of said collar conforming ring portion of said body and a ring formed in said body portion above said conforming ring to form a base for said nipple when said nipple is placed upon said bottle to be rolled into position.

1,543,428. AUTOMATIC DIRIGIBLE AUTOMOBILE HEADLIGHT. JOHN L. DRAKE, Indianapolis, Ind. Filed Aug. 16, 1924. Serial No. 732,466. 2 Claims. (Cl. 240—62.)



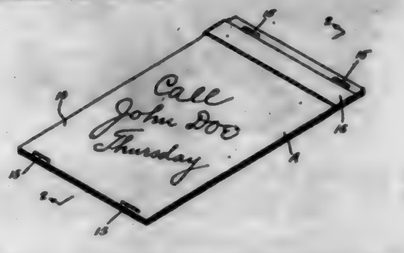
1. A lamp mounting and controlling apparatus including a plurality of head bars having each a base portion and a pivot portion, each base portion having a securing bolt therein, a plurality of lamp-supporting arms pivotally connected to the pivot portions of the head bars respectively and having each a bore to receive a lamp standard, each arm having a lever arm fixed thereto at an inclination relatively to the bore, a yoke pivoted to the lever arms and having a lateral lug finger rigidly fixed thereto, and a coupler comprising a clamp having a lug ear loosely receiving the lateral lug finger of the yoke.

1,543,429. INTERNAL-COMBUSTION ENGINE. KURT ELTZE, Mannheim-Kafertal, Germany, assignor to Benz & Cie., Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany, a Corporation of Germany. Filed Dec. 16, 1924. Serial No. 756,211. 3 Claims. (Cl. 123—33.)



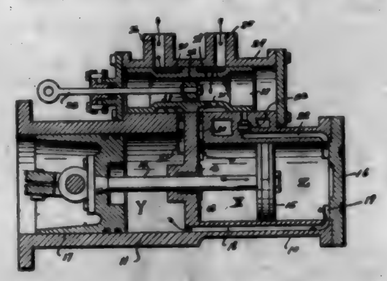
1. An internal combustion engine comprising a cylinder, a plunger movable in said cylinder, a cylinder head, a combustion chamber, an ignition chamber, a passageway between said chambers, a nozzle mounted in the wall of the ignition chamber and adapted to inject fuel into the same and said passageway, an igniting bushing mounted in said passageway and having a tapering bore, means forming a plurality of orifices at one end of said bushing, and means for closing one of said orifices during the injection of fuel into said passageway.

1,543,430. PERPETUAL MEMORANDUM PAD. HOWARD L. FISCHER, St. Paul, Minn., assignor to Brown & Bigelow, St. Paul, Minn., a Corporation of Minnesota. Filed May 14, 1923. Serial No. 638,708. 10 Claims. (Cl. 35—10.)



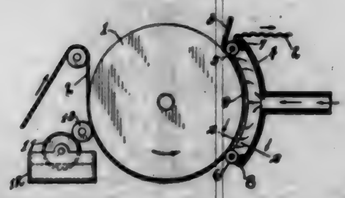
1. A memorandum pad including, a transparent sheet, a tissue sheet, a waxed-like carbon sheet, means for securing said sheets together to hold the same in close proximity and against separation at their ends and means for separating the tissue sheet from the carbon sheet to erase the memorandum written upon said pad.

1,543,431. COMBINED COMPOUND AND DIRECT-ACTING STEAM ENGINE. PETER FREIBERG, Lithonia, Ga. Filed May 19, 1923. Serial No. 640,141. 3 Claims. (Cl. 121—105.)



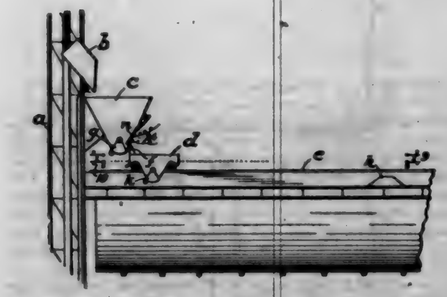
1. In a steam engine, a pair of aligned cylinders, one smaller than the other and separated by a partition, connected pistons operating in the cylinders, said pistons defining movable walls for a high pressure chamber and two low pressure chambers, means for causing the steam to enter the high pressure chamber and act directly on the small piston therein and including a valve and a duct leading into the high pressure chamber and for exhausting the steam from the high pressure chamber into the low pressure chambers and including said valve, and ducts operatively connecting the high pressure chamber with the low pressure chambers, said means then acting at the end of the stroke of the pistons in one direction to cut off the inlet and exhaust of steam and permit steam in the low pressure chambers to act expansively, and manually controlled means whereby live steam may be admitted to the high pressure and the low pressure chambers when the stroke of the piston under the direct action of steam in the high pressure chamber has been completed.

1,543,432. APPARATUS FOR MAKING CRINKLED PAPER. NICHOLAS M. GOODLETT, New York, N. Y. Original application filed Dec. 19, 1918, Serial No. 267,430. Divided and this application filed Jan. 22, 1925. Serial No. 4,050. 8 Claims. (Cl. 92—69.)



1. In an apparatus for making crinkled paper, a supporting surface for the paper, crinkle forming means cooperative with said surface, and means located wholly external of said surface for holding the paper adherent thereto by fluid pressure.

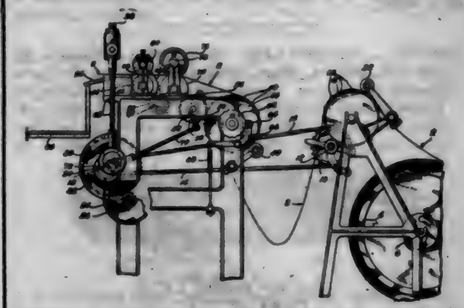
1,543,433. SYSTEM FOR HANDLING COAL, ASHES, AND THE LIKE. WILLIAM E. HALE, Fort Washington, Pa., assignor to R. H. Beaumont Co., Philadelphia, Pa., a Corporation of Pennsylvania. Filed Nov. 9, 1923. Serial No. 673,693. 2 Claims. (Cl. 214—40.)



1. A system for handling coal, ashes and the like including in combination a skip hoist, a car, a track on which the car runs and which is provided with car dumping means, a hopper adapted to receive material from the skip hoist and to store it and to dump it into the car, control circuits for running the car out and in on the track, and a contact responsive to the supply of coal in the hopper and interposed in and adapted to interrupt the outgoing control circuit with the car in loading position.

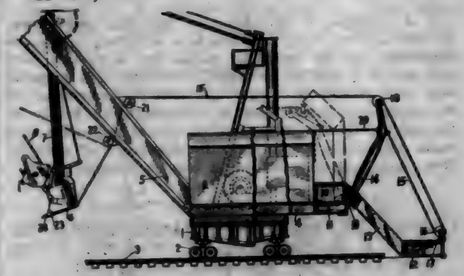
1,543,434. CARD-FORMING MACHINE. PETER HARDMAN, Willimantic, Conn., assignor to The American Thread Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 31, 1924. Serial No. 703,046. 12 Claims. (Cl. 164—49.)

1. In an apparatus of the character described, the combination of a knife, means for reciprocating the same, rolls for feeding a web of paper thereto, yielding means for driving said rolls, and a registered roll



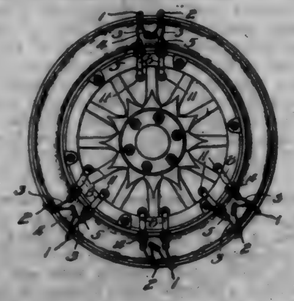
adapted to intermittently retard said web behind the normal feeding rate of said feeding rolls and in timed relation to said knife.

1,543,435. COALING DEVICE. GRANT HOLMES, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio, a Corporation of Ohio. Filed Sept. 7, 1923. Serial No. 661,345. 9 Claims. (Cl. 214—77.)



1. In a steam shovel or the like, the combination with a frame adapted to support a power plant, and a coal bin carried by said frame, or a coal box, a chute connecting said coal box with said bin and having a hinged connection with said frame, and power operated means to elevate said coal box and cause its contents to be discharged through said chute into said bin, said chute and said coal box being so arranged that they will be retained in their elevated positions by gravity.

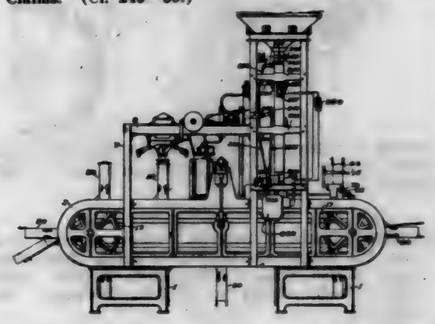
1,543,436. SINGLE-UNIT TIRE CHAIN. CALVIN T. HOON, Chicago, Ill. Filed Dec. 15, 1924. Serial No. 756,135. 4 Claims. (Cl. 152—14.)



1. A single unit tire chain comprising two closed flexible loops adapted to extend loosely about a tired wheel rim on opposite sides of a wheel spoke, and flexible

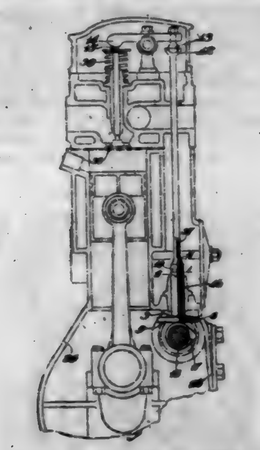
connections between said loops at points that are located on opposite sides of said rim when the device is on a wheel.

1,543,437. BAG-FILLING MACHINE. CHARLES H. HOWARD, Saugus, Mass., assignor to Paper Products Machine Company, Boston, Mass., a Corporation of Massachusetts. Original application filed Oct. 26, 1918, Serial No. 259,882. Divided and this application filed Dec. 3, 1920. Serial No. 427,986. 50 Claims. (Cl. 249—59.)



1. A machine of the character described, comprising, in combination, weighing means, a weighing receptacle supported by the weighing means for movement into and out of a bag or container, means to feed material into said receptacle, means for effecting movement of the receptacle into a bag or container and nearly to the bottom thereof to deposit the material therein, and valve means for controlling the discharge of material from said receptacle into said bag or container.

1,543,438. SILENT VALVE-OPERATING MECHANISM. ALBERT E. HUTT, Ardmore, Pa. Filed Sept. 4, 1924. Serial No. 735,755. 3 Claims. (Cl. 123—90.)



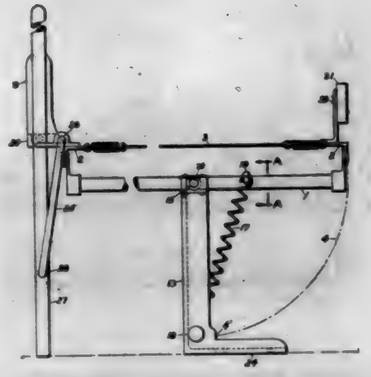
1. In a device of the character stated, a valve, a cam follower, an operating train intermediate said valve and cam following, a spring take up in the latter, tending to produce the clearance within said cam follower only, in combination with a cam coacting with said cam follower and having a contour which brings the whole operating train to a standstill before producing said clearance, so that the spring take up will have to overcome the weight of the train alone and not the inertia forces.

1,543,439. RENEWABLE SIGN PLATE. VICTOR E. JOHNSON, Chicago, Ill. Filed May 15, 1922. Serial No. 560,970. 3 Claims. (Cl. 40—125.)



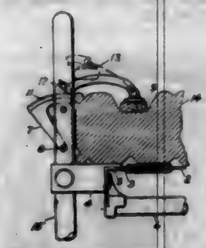
1. A sign including a main frame, posts, a co-inciding supplemental frame carrying a sign plate, and beams supported by said posts and arranged above and below said frames, the main frame being fixed to said beams and the sign plate being disposed between said frames and behind said main frame, and said main frame constituting a margin for said sign plate.

1,543,440. WALL BED. BURRELL L. JONES, Oakland, Calif. Filed Dec. 19, 1922. Serial No. 607,813. 2 Claims. (Cl. 5—164.)
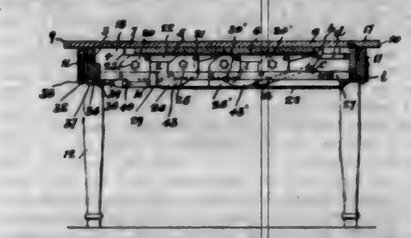


1. In a wall-bed structure, a pair of legs of channel form having trunnion bearings on the extreme top thereof for supporting one end of the bed when the latter is in a horizontal position, and for supporting the entire bed when the same is in an upright position, each of said legs adapted to support and house a pair of springs, one end of the springs being fixed to the side rails of the bed in advance of said bearings and the opposed end of the springs being secured to the lower end of said legs, the channels of the legs adapted to conceal the springs from view when the bed is in an upright position, the said trunnion bearings being substantially flush with the top surface of the bed side rails when the bed is in a horizontal position, and the bottom surface of said side rails being substantially flush with the front face of the channel legs when the bed is in an upright position.

1,543,441. MATTRESS CLAMP. BURRELL L. JONES, Oakland, Calif. Filed Sept. 29, 1923. Serial No. 665,556. 4 Claims. (Cl. 5—320.)



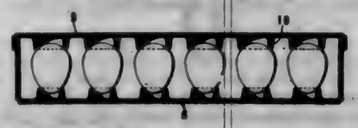
1. A mattress clamp comprising a pair of spaced arms pivotally supported at one end thereof to the foot-rail of a bedstead, and a pressure-bar pivotally supported at the other extremity of said arms, the first-named pivot permitting the said bar to assume its repose position at all times.

1,543,442. EXTENSION TABLE. EDWARD PETER KOKESCH, Primate, Saskatchewan, and WILLIAM FRANK SAUMER, Hayter, Alberta, Canada. Filed May 29, 1923. Serial No. 642,331. 4 Claims. (Cl. 45—9.)



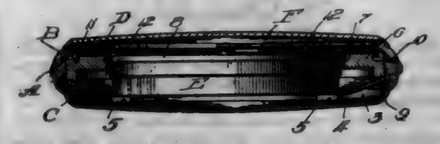
1. In a collapsible table in combination a middle frame; a leg-provided end section co-operatively associated with each end of said middle frame, one of said end sections having a hinged leaf; a pair of extension leaves pivotally associated at each side of said middle frame; means carried by said leaf-provided end section to actuate said pivoting means for said extension leaves to raise and lower said leaves; means pivoted to said middle frame and to the actuating means for one of said extension leaves and adapted to raise the leaf of one of said end sections to prevent interference between same and the adjacent extension leaf; means carried by the other of said end sections and adapted to lock said middle frame in position when either or both of said extension leaves have been raised or lowered, and means co-operatively associated with the pivoting means of one of said extension leaves to unlock said locking means prior to the closing of the table.

1,543,443. CONTAINER FOR EGGS OR THE LIKE. MORRIS KOPPELMAN, Brooklyn, N. Y., assignor, by direct and mesne assignments, to Holed Tite Packing, Inc., a Corporation of Delaware. Filed Oct. 28, 1921. Serial No. 511,082. 5 Claims. (Cl. 229—29.)



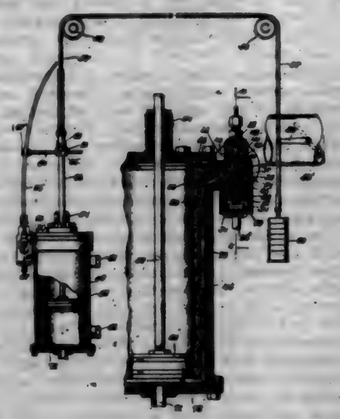
1. A box-like container for eggs or the like, having egg receiving portions of cup-like conformation integral with and extending from an interior wall of the box, and a member having similar cup-like egg receiving portions overlying and in registry with the first named egg receiving portions.

1,543,444. WATCHCASE. ROY JOHN KRADER, Elgin, Ill., assignor to Illinois Watch Case Company, Elgin, Ill., a Corporation of Illinois. Filed Jan. 26, 1925. Serial No. 4,790. 4 Claims. (Cl. 58—88.)



1. A watch case having an inwardly extending ring flange providing a duplex seat, a movement seated within the flange, a ring surrounding the movement formed to provide a seat therefor and itself seated upon the case flange, and means whereby the movement and ring as a unit are held to their seats, substantially as described.

1,543,445. REGULATOR FOR HIGH-PRESSURE SYSTEMS. JOHN M. LARSON and VERNON G. LEACH, Chicago, Ill., assignors to National Regulator Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 12, 1921. Serial No. 499,931. 10 Claims. (Cl. 236—85.)



1. In a regulator, the combination with a cylinder; a piston operating therein; and a source of fluid pressure, of means for utilizing said pressure to regulate the movement of said piston, said means comprising a valve adjustable to open at a predetermined fluid pressure; and actuating means utilizing the movement of said piston to vary the adjustment of said valve, said actuating means comprising an oscillatory arm; and reciprocatory means operatively connected with said piston and slidably engaging said arm for oscillating the same, said reciprocatory means being adjustable for varying the amplitude of oscillation of said arm with respect to the movement of said piston.

1,543,446. COLLAPSIBLE SANITARY FISH CREEL. ANTONE REUBEN LUNDSTROM, Salt Lake City, Utah, assignor of one-half to Eli J. Marshall, Salt Lake City, Utah. Filed Jan. 16, 1925. Serial No. 2,732. 2 Claims. (Cl. 43—31.)

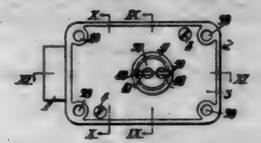
1. A fish creel comprising a fabric sack having a reinforced upper edge; longitudinally and laterally disposed leather strips sewed on one face of said fabric

having ventilating holes therein and through the fabric to the interior of said sack; a reinforced cover hinged to said sack and having elongated openings therein; a bait



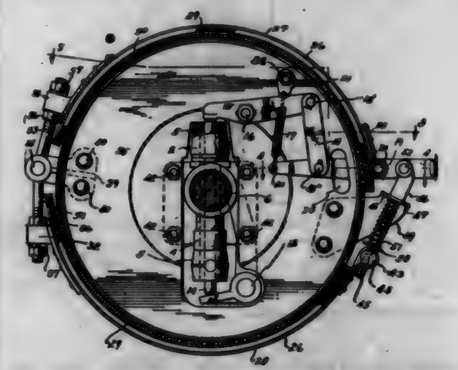
pocket within said sack and with its mouth surrounding one of said openings; a hinged cover for each of said openings; and a sanitary lining for said fabric sack and having an open pocket sewed therein.

1,543,447. CHANGEABLE COMBINATION KEY LOCK. EDWARD WILLEY MARVEL, Philadelphia, Pa., assignor, by mesne assignments, to The Mosler Lock Company, Covington, Ky., a Corporation of Ohio. Filed Jan. 5, 1922. Serial No. 527,063. 21 Claims. (Cl. 70—70.)



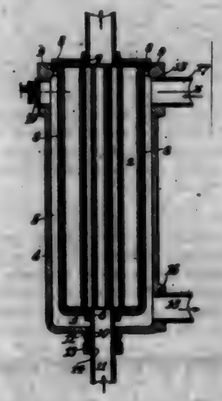
1. In a changeable combination key lock, the combination with a casing; of a locking bolt having a stump; a rotary key hub with a main keyway and a guard keyway; main tumbler mechanism arranged to detain and release said bolt in accordance with the position thereof, including a series of counterpart pivoted main tumblers, each having a sectoral series of gear teeth at its free end and each adjustable, at its free end, to change the combination; a series of counterpart rotary fences having respective sectoral series of gear teeth arranged to mesh with the gear teeth on said respective main tumblers; each of said fences having a gating adapted to receive said locking bolt stump; a change plate, carrying said tumblers and movable in said casing to disengage said tumblers from said fences and permit said tumblers to be changed; guard tumbler mechanism arranged to detain and release said bolt in accordance with the position thereof, including a guard lever having a detent arm arranged to detachably engage said locking bolt, and having a portion adapted to be encountered by a guard key to disengage said detent arm from said locking bolt, and having a crank pin arranged to cooperate with auxiliary lock mechanism, and a series of pivoted guard tumblers arranged to hold and release said guard lever in accordance with the position thereof, and controllable by said guard key; auxiliary lock mechanism, in said casing, including a reciprocatory bolt adapted to normally prevent movement of said change plate, a lever fulcrumed in said casing, in cooperative relation with said auxiliary bolt, and a bell crank latch pivoted to said auxiliary bolt lever and having one arm extending in position to be operated by an auxiliary key, inserted in said guard keyway, to unlock said auxiliary bolt, and another arm adapted to engage said casing and hold said auxiliary bolt in unlocked position, subject to automatic release by said crank pin; said auxiliary lock bolt being movable by said auxiliary key, to release said change plate and permit the combination of said tumblers to be changed; whereby a guard key and a main key are required to be successively inserted in the respective keyways in said hub to turn the latter to open the lock, and said main tumblers are pivotally adjustable with respect to said change plate, to change the lock, by manipulation of said auxiliary lock mechanism with an auxiliary lock key inserted in said guard keyway, to be operated by different main keys while subject to operation by the same guard key.

1,543,448. VEHICLE BRAKE. HOWARD E. MAYNARD, Detroit, Mich., assignor to Maxwell Motor Corporation, Highland Park, Mich., a Corporation of West Virginia. Filed Apr. 20, 1923. Serial No. 633,381. 1 Claim. (Cl. 188—194.)



In combination, a wheel having a spindle connected with an axle by means of a pin so as to make said wheel freely movable, a second pin extending through said first pin and adapted to be moved therein irrespective of the position of the wheel, a brake drum on said wheel, a two piece brake band around said drum, one end of each band being secured to a member mounted adjacent said drum and the other end of each being connected at different points to a somewhat U shaped member, a spring on the latter end of one of said members, whereby movement of said U shaped member will cause one of said bands to tighten on the drum while the spring on the other said band will be compressed until the first said band is tightened on said drum, when the second said band will be caused to tighten on said drum, and connections between said second pin and said U shaped member, whereby movement of the former will cause movement of the latter.

1,543,449. WATER HEATER. ROBERT R. RUST, New York, N. Y. Filed Aug. 22, 1922. Serial No. 583,534. 4 Claims. (Cl. 257—216.)



1. A water heater comprising an inner shell for the water to be heated, an outer shell arranged about the inner shell and providing a chamber for the heating medium therebetween, the outer shell and inner shell being connected at one end by a differentially tapered

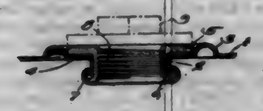
joint and at the other end by means for drawing the said differential joint into tight engagement, the two shells being free from other connecting parts, said shells each having an inlet and an outlet.

1,543,450. POWDER PUFF. THEODORE W. SCHRAMM, Bay City, Mich. Filed June 25, 1924. Serial No. 722,264. 4 Claims. (Cl. 132—73.5.)



1. A flexible powder puff, the entire outer surface of which is formed of a suitable powder applying material, said puff being stitched across its face to form individual flaps, and pockets in said flaps.

1,543,451. BUSHING STRUCTURE. MORRIS SCHWARTZ, Chicago, Ill., assignor of one-half to Winnifred B. Parish, Chicago, Ill. Filed Dec. 10, 1923. Serial No. 679,795. 1 Claim. (Cl. 220—39.)



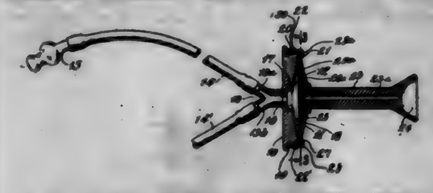
The combination with a body having a tubular portion projecting therefrom and surrounding an opening formed therethrough; of a bushing within the tubular portion and formed with a flange which is curled over the terminating end of the tubular portion against the outer side of the tubular portion, the curling of this flange being continued to terminate outside of the circle of the tubular portion to form a bead which presses, at its mid portion, against the side of the body of the tubular portion.

1,543,452. VEHICLE AXLE. WILLIAM J. SEITS and CALVIN B. SEITS, Detroit, Mich. Filed Nov. 17, 1924. Serial No. 750,491. 4 Claims. (Cl. 105—215.)



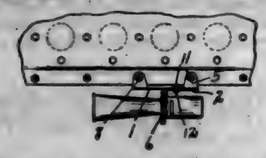
2. A vehicle axle construction comprising an axle construction, an axle rotatably mounted therein, and two sets of wheels, one set adapted to run on rails and the other set adapted to run on roadways, said axle being formed with two alined offset portions on which one set of said wheels are mounted eccentric to the other set of wheels, and means to rotate the axle to elevate one set of said wheels and to lower the other set.

1,543,453. STETHOSCOPE. JACQUES SMITHLINE, Brooklyn, N. Y. Filed Aug. 25, 1923. Serial No. 659,246. 3 Claims. (Cl. 181—24.)



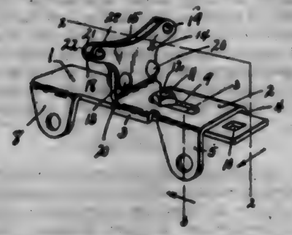
1. In a stethoscope, in combination with a drum head having a diaphragm fastened thereon, means secured to said head for muffling the sounds transmitted by the diaphragm, said means being removable independently of said diaphragm fastening and including another diaphragm disposed in non-contactual relation opposite said first mentioned diaphragm and having greater inertia than the latter.

1,534,454. BRACKET. WILLIAM SPARKS, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 19, 1922. Serial No. 589,121. 1 Claim. (Cl. 248—20.)



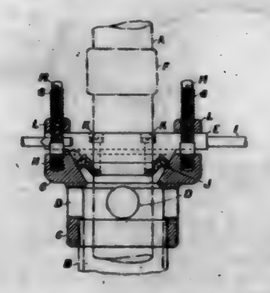
A horn bracket comprising an elongated strip of sheet metal, a comparatively short strip of sheet metal adjustable longitudinally with respect to the elongated strip, means for securing said strips in various positions of adjustment, the comparatively short strip being formed at its inner end with a horn-attaching flange positioned at an intermediate point along the other strip extending at substantially right angles to the strip and having an arcuate edge portion and bolt openings adjacent said edge, and one of said strips being formed in a channel adapted to receive the other, and a bolt receiving flange carried by each strip, each bolt-receiving flange extending at substantially right angles to its respective strip.

1,543,455. BRACKET. WILLIAM SPARKS, Jackson, Mich., assignor to The Sparks-Withington Company, Jackson, Mich., a Corporation of Ohio. Filed Dec. 22, 1924. Serial No. 757,510. 1 Claim. (Cl. 248—20.)



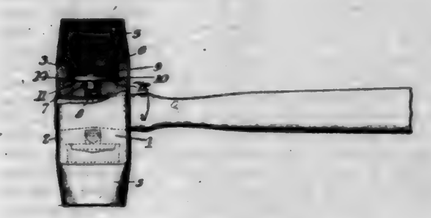
A bracket comprising two parts adjustable longitudinally with respect to each other, means for securing said parts in various adjusted positions, one of said parts formed with a laterally-extending flange, a pair of spring-plates disposed upon opposite sides of said flange and secured to the flange and having their outer edges of arcuate shape, and formed at opposite ends with aligned bolt-receiving openings for securement to a horn, and a spacing member between the outer portion of said spring plates and having openings aligned with the bolt-receiving openings through the plates.

1,543,456. APPARATUS FOR CONTROLLING OIL WELLS. ROBERT STIRLING, Dormans Park, England. Filed Apr. 26, 1924. Serial No. 709,100. 6 Claims. (Cl. 285—22.)



1. A blow-out preventer for oil-well casings comprising sections carrying joint-making packing for co-acting with the inner casing, said sections being hinged at one end on means fixed to the outer casing, being adapted to abutably engage and disengage other means also fixed on said outer casing, and being slidable longitudinally of, and over, both said means; and devices operatively positioning said sections relatively to said means.

1,543,457. HAMMER. CHARLES O. SWANGREN, Maywood, Ill. Filed Aug. 17, 1923. Serial No. 657,841. 3 Claims. (Cl. 145—36.)



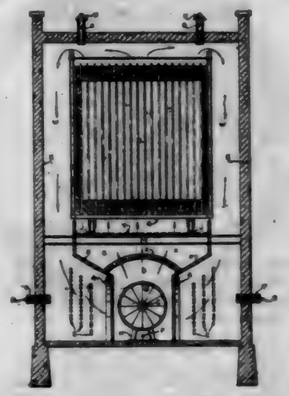
2. A hammer having a hard metal body formed with a socket having adjacent its bottom an undercut locking face and also formed with an orifice communicating with the central inner portion of said socket, a hard metal plug arranged centrally within said socket adjacent the locking face of such socket, and a soft metal striking head seated in said socket and seating against said plug, said plug being provided on its outer side with inclined spreading faces adapted to spread said striking head into locking engagement with said locking face of the socket and also being exposed to a drift pin through said orifice.

1,543,458. STARCH-FREE BRAN AND METHOD OF MAKING THE SAME. JOKICHI TAKAMINE, Jr., Clifton, N. J., assignor to Takamine Ferment Co., New York, N. Y., a Corporation of West Virginia. Filed Sept. 14, 1922. Serial No. 588,186. 6 Claims. (Cl. 99—11.)

1. A bran deprived of such of its constituents as would form sugars when taken into the human digestive system and retaining such of its constituents as have a laxative action in the human digestive system.

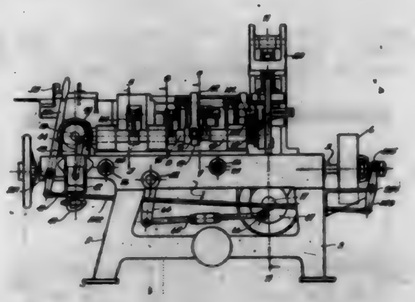
5. The method which consists in cooking bran until the starch cells thereof have been opened, mixing diastatic enzyme with said bran to convert the starch into dextrine and sugars, and washing the bran to remove the said dextrine and sugars.

1,543,459. REVERSIBLE-CIRCULATION INTERNAL FAN KILN. ROLF THELEN, Madison, Wis., dedicated, by mesne assignments, to the Citizens of the United States of America. Filed Nov. 7, 1923. Serial No. 673,340. 11 Claims. (Cl. 34—19.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



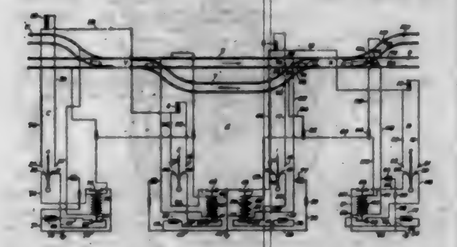
2. In a single track dry kiln arranged for edge stacking: a series of fans; a shaft on which the fans are mounted for rotation; means for rotating said shaft in either direction to cause reversal of the circulation of the air and vapor in said kiln; dampered air inlet flues and dampered air outlet flues; means for heating the kiln and its contents; and an air distributing system comprising side deflecting partitions, a main air distributor, and two sets of diffusers.

1,543,460. CAN-BODY-FORMING MACHINE. NELSON TROYER, Seattle, Wash., assignor of one-half to Seattle Astoria Iron Works, Seattle, Wash. Filed Jan. 26, 1922. Serial No. 531,885. 14 Claims. (Cl. 113—11.)



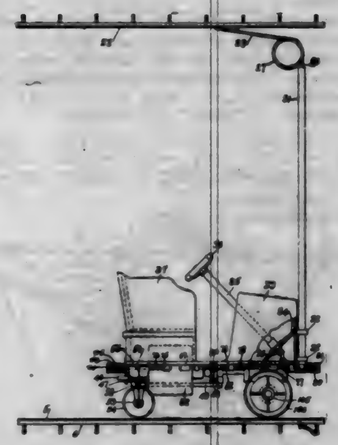
1. In a can body forming machine, the combination with a guideway along which can body forming blanks may be intermittently advanced and mechanism for operation on the blanks when in different positions along the guideway, of reciprocally movable means, fingers on said means for engaging the blanks to advance them successively and intermittently along the guideway and stop members operating synchronously with the advancing means from and into the path of said blanks to position them properly to be operated on.

1,543,461. CONTROL OF RAILWAY TRAINS. WALTER JOHN UNDERWOOD, London, England. Filed July 12, 1923. Serial No. 650,984. 4 Claims. (Cl. 246—36.)



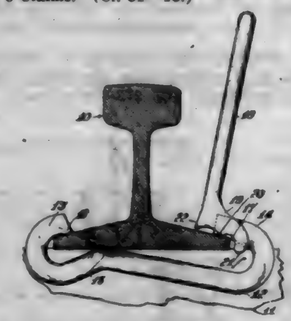
1. For controlling the traffic on single track railways, the combination with the single track section and a signalling station at each end of the same, of an electrically controlled track device at each station governing the movement of the trains from the station on to the single track section, an operating circuit for each said track device comprising a line conductor connecting the two track devices, means for energising one at a time the operating circuits to enable a train to move from one station on to the single track section, an electromagnet at each station controlling the operating circuits, a connection to the track at each station for de-energising the corresponding electromagnet on a train passing from the station on to the single track section, and a connection from the electromagnet through a second line conductor to the arrival track at the other station enabling the circuit of the said electromagnet to be again closed by the train on its arrival at the said other station.

1,543,462. AMUSEMENT DEVICE. AUREL VARSIN, Dayton, Ohio. Filed Mar. 24, 1923. Serial No. 627,800. 7 Claims. (Cl. 191—13.)



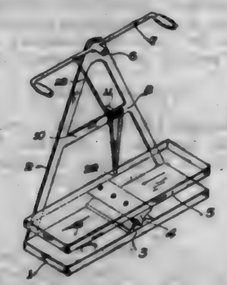
1. In an amusement device, a contact floor, a contact roof, a vehicle adapted to move on said floor and have a portion in contact with said roof, a motor mounted on said vehicle deriving its source of current through the contact of said roof and said floor contact, and a portion of said floor adapted to move to impart movement to the vehicle independent of its own motive power.

1,543,463. RAILWAY-TRACK IMPLEMENT. HAROLD G. WARR, Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 27, 1923. Serial No. 665,121. Renewed May 16, 1925. 6 Claims. (Cl. 81—15.)



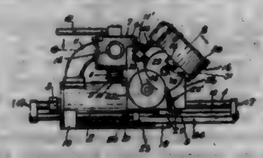
1. An implement for use in removing rail anchors comprising a bar having anchor engaging means and formed with an angular portion providing a fulcrum to bear against the upper surface of the rail base and on which said bar is adapted to rock and with means for limiting said rocking movement.

1,543,464. MAN-POWER DEVICE. EDGAR C. WELDORN, Evanston, Ill. Filed June 25, 1921. Serial No. 480,330. 5 Claims. (Cl. 74—54.)



1. In a power device adapted to convert reciprocatory motion into rotary motion, a rigid base and a rigid frame, a rocking foot pedal on said base, a rocking handle bar on said frame, the pivotal axes of said pedal and said bar being in alignment to permit balance operation of these two members, a connection between said pedal and said bar connecting at points on opposite sides of said pivotal axes, and a ratchet mechanism inserted in said connection for receiving the motion of said pedal and said bar and for converting the same into a continuous rotary motion.

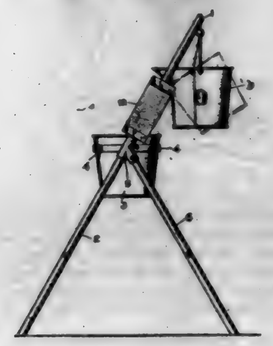
1,543,465. LIQUID REGISTER. ARTHUR L. WITHERELL, Wethersfield, Conn. Filed Apr. 7, 1922. Serial No. 550,800. 1 Claim. (Cl. 235—91.)



In a liquid dispensing device having a member arranged to move back and forth as liquid is dispensed, a counter, a rack, means connected to and actuated by

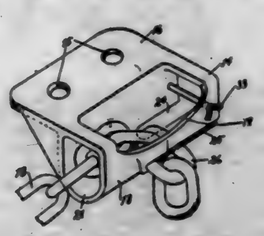
said member to reciprocate said rack, a pinion, a ratchet concentric with said pinion, a pair of pawls actuated by said rack, a pair of spring pawls connected respectively with the other pawls for turning said ratchet wheel, a counter and means actuated by the pinion for operating said counter.

1,543,466. TEE STAND. CHARLES C. WORTHINGTON, Dunnfield, N. J. Filed June 21, 1923. Serial No. 646,773. 12 Claims. (Cl. 273—32.)



1. A tee stand comprising a flat easel frame provided with means for supporting it in an inclined position, means for holding a tipping water bucket at the top of the frame and a sand-containing structure joining the side limbs of the frame about midway of its top and bottom in a position to receive water from the bucket when tilted.

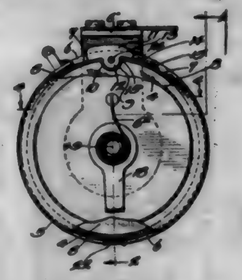
1,543,467. BRAKE MECHANISM. HENRY I. WRIGLEY, Chicago, Ill., assignor to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Nov. 28, 1924. Serial No. 752,535. 6 Claims. (Cl. 24—116.)



2. In combination, an anchoring device comprising a casing having an opening therein, one of the walls of said opening being provided with slots of unequal depths, a brake chain in said opening, a link of said chain being adapted to engage either of said slots for securing one end of said chain to said anchoring device.

1,543,468. RESISTANCE-ADJUSTING DEVICE. ERNEST E. YARLEY, Chicago, Ill. Filed May 26, 1924. Serial No. 716,009. 7 Claims. (Cl. 201—55.)

1. A resistance adjusting device including a band of insulation; resistance wire coiled about said band; a support upon which said band and the resistance wire on the band are carried, said band being anchored at its ends to the support and projecting beyond the coiled wire at one end; an element overlying said projecting end of the band; and a switch arm having a contact bearing upon said resistance wire, said arm and support being relatively rotatable, said contact being engageable, at one time, with said element and the adjacent end of the coiled resistance wire and also



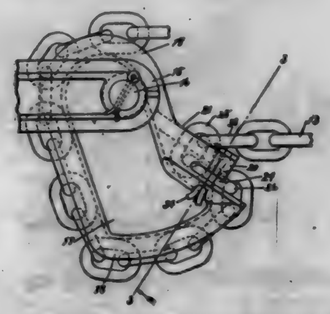
with said element alone, said element being spaced apart from the wire in the direction of relative movement of the arm and wire.

1,543,469. CAR COUPLER. PERCY B. CAMP, Maywood, Ill., assignor to Universal Draft Gear Attachment Company, a Corporation of Illinois. Filed July 19, 1924. Serial No. 726,918. 3 Claims. (Cl. 213—170.)



1. In a device of the class described, a coupler, a locking pin having an eye at its upper end, an operating lever including a crank arm having an eye located above the eye of the locking pin, and a rod looped through said eyes and having interlocking reverse bends at its ends.

1,543,470. BRAKE MECHANISM. PERCY B. CAMP, Maywood, and HERBERT E. BARTSCH, Chicago, Ill., assignors to Universal Draft Gear Attachment Co., a Corporation of Illinois. Filed Nov. 17, 1924. Serial No. 750,254. 7 Claims. (Cl. 74—110.)



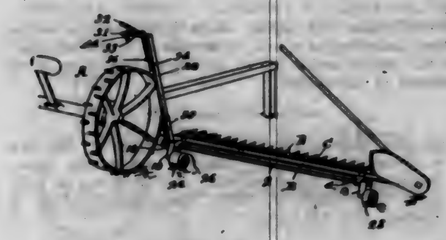
1. In a brake mechanism, a reversible lever having a pivot adjacent one end thereof for forming said lever into a long and a short arm, both arms of said lever being provided with a groove, an operating chain extending about both ends of said lever, and means integral with said lever for adjustably connecting said chain to said lever.

1,543,471. OXYGEN-CONTROL LEVER FOR OXY-ACETYLENE CUTTING TORCHES. CLARENCE J. CONNELY, Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo., a Corporation of Colorado. Filed June 7, 1923. Serial No. 643,938. 12 Claims. (Cl. 158—27.)



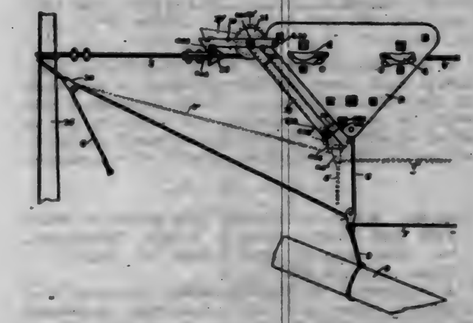
1. In a control lever arrangement of the class described, the combination of: a projection; a control lever having a recess receiving said projection and a slot formed therein passing across said recess and dividing said lever into co-extensive portions adjacent to said recess; an adjustment pin threaded between said co-extensive portions; and a pivot bolt passing through said co-extensive portions and said projection, the tightening of said bolt serving to clamp said co-extensive portions upon said adjustment pin.

1,543,472. ATTACHMENT FOR MOWING MACHINES. CHAS DENTON, Colony, Kans. Filed June 16, 1923. Serial No. 645,837. 2 Claims. (Cl. 56—264.)



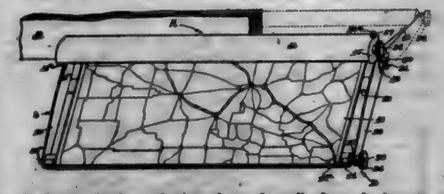
1. In combination with the cutter bar of a mowing machine, bearings fixed thereto, a rock shaft mounted in said bearings, arms secured to said rock shaft, rollers on which said arms are mounted, a ratchet wheel fixed to the rock shaft, and means for turning said ratchet wheel to raise or lower the arms together with the cutter bar, substantially as described.

1,543,473. SKY-LINE LOGGING-CARRIAGE LOCK. GEORGE J. FAYETTE, Blaine, Wash. Filed Dec. 2, 1924. Serial No. 753,444. 1 Claim. (Cl. 212—122.)



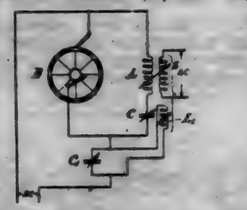
In combination, a logging carriage mounted for travelling on a sky-line cable, a latch pivotally connected to the front end of said carriage projecting forward therefrom, a wheel mounted for revolution on said latch adapted to travel on said cable, a catch fastened to said cable adapted to engage said latch, a bar mounted for longitudinal vibration on the front end of said carriage adapted to operate said latch, and a hauling block operably connected to said carriage adapted to operate said bar when in proximity to said carriage whereby said latch is disengaged.

1,543,474. MAP HOLDER. JOHN T. JOHNSON, Lengby, Minn. Filed Mar. 5, 1923. Serial No. 622,844. 7 Claims. (Cl. 40—89.)



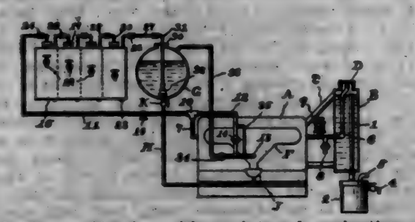
2. In a device of the class described, a body structure, a spring actuated roller mounted thereon and adapted to wind in a flexible map and yieldingly permit of the unwinding of the same therefrom, a reel including a frame and a drum thereon to unwind the map from said roller and take in the same, also to pay out said map to said roller, and means for detachably mounting said frame in yieldingly tiltable relation on said body structure.

1,543,475. RESONANT CONVERTER. WALTER S. LEMMON, New York, N. Y. Filed Jan. 14, 1920. Serial No. 351,331. 4 Claims. (Cl. 250—36.)



1. An arrangement for producing sinusoidal alternating current comprising a direct current source, inductance and capacitance elements connected in series across the terminals of said source, an interrupter connected across the terminals of said source, and an oscillatory circuit tuned to the frequency of the alternating current to be produced, said oscillatory circuit being connected in series between said source and said elements.

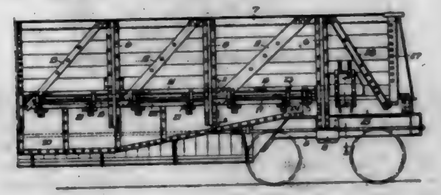
1,543,476. AIR, GAS, AND VAPOR MIXER. EVERETT MCCUTCHEON, Cleveland, Ohio. Filed Nov. 8, 1923. Serial No. 672,682. 9 Claims. (Cl. 123—25.)



1. The combination with an internal combustion engine and its usual fuel supply tank, of an auxiliary fuel container subdivided by partitions into a plurality of independent compartments, an intake pipe leading to the bottom of each of the compartments, the intake

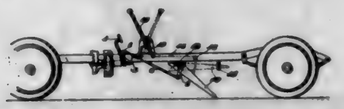
pipe of an end compartment being in communication with the atmosphere, connections between the upper portions of the compartments and the intake pipes of adjacent compartments, an intake pipe extending downwardly into the fuel supply tank of the engine and connected to the opposite end compartment of the auxiliary reservoir, air or air and gas being adapted to pass downwardly through the intake pipes and bubble upwardly through the liquid fuel, and a mixture pipe leading from the fuel supply tank of the engine to the intake of the engine.

1,543,477. CAR CONSTRUCTION. JOHN O. NEIKIRK, Lombard, Ill., assignor to Rodger Ballast Car Company, Chicago, Ill., a Corporation of Maine. Filed Mar. 13, 1922. Serial No. 543,151. 9 Claims. (Cl. 105—244.)



1. In a dump car, a side truss construction, the lower chord of the truss extending adjacent the car floor and being formed with an outwardly facing recess located within the contour of the car, dump doors, and door opening shafts supported parallel to and adjacent the recess.

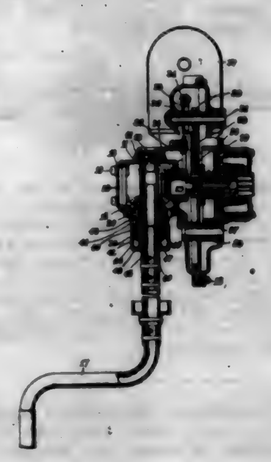
1,543,478. MEANS FOR PREVENTING UNCONTROLLED BACKWARD MOVEMENT OF AUTOMOBILES AND THE LIKE. MAURICE NEWBOULD, Peterborough, England. Filed Nov. 30, 1923. Serial No. 677,638. 4 Claims. (Cl. 188—6.)



1. The combination in an automobile, of a clutch-operating mechanism, one or more members suitably connected with said clutch-operating mechanism and adapted by the operation of said mechanism when effecting declutching to be moved into contact with the ground and prevent backward movement of the vehicle, and means for returning said members to their inoperative position.

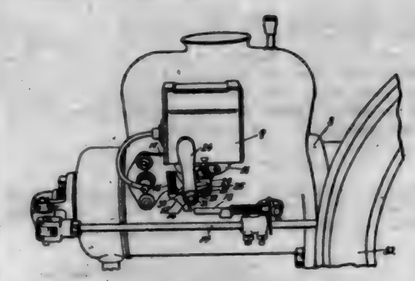
1,543,479. STARTER FOR INTERNAL-COMBUSTION ENGINES. ARTHUR NUTT, Garden City, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc., Garden City, Long Island, N. Y., a Corporation of New York. Filed Sept. 21, 1922. Serial No. 589,585. 16 Claims. (Cl. 123—185.)

14. In a hand starter for internal combustion engines, a two-part casing, a starter shaft enclosed in one of the casing parts and extended into the other, the casing part within which the starter shaft is enclosed being fixed and the casing part into which it is extended being adjustable, said adjustable casing part being provided with openings formed therein at right angles one to the other, a starter crank shiftable in its relation to the adjustable casing part, said starter crank in one position of adjustment being adapted to enter said adjustable casing part through one of said openings and in a different position of adjustment being adapted to enter said casing part through the other of said openings, means for effecting a driving connection between the starter crank and the starter shaft regardless of the position of adjustment of the starter crank, and a kick-back device shiftable with the



starter crank, the starter crank and kick-back device being assembled as a unit to prevent a reverse rotation of the starter crank due to back-firing regardless of its position of adjustment.

1,543,480. ATTACHMENT FOR MAGNETOS. ARTHUR S. PARKS, Sandwich, Ill., assignor to Sandwich Manufacturing Co., Sandwich, Ill., a Corporation of Illinois. Filed Mar. 21, 1924. Serial No. 700,770. 8 Claims. (Cl. 123—149.)



2. In a magneto provided with a reciprocating armature, a shaft, power actuated mechanism on said shaft for operating said armature, a handle journaled on said shaft for manually operating said armature, and a spring on said shaft for holding said handle in stationary position during the normal operation of said magneto.

1,543,481. SOAP CONTAINER FOR SHAVING SOAP AND THE LIKE. JOHN G. PATTON, Philadelphia, Pa. Filed Feb. 25, 1922. Serial No. 539,141. 1 Claim. (Cl. 206—56.)

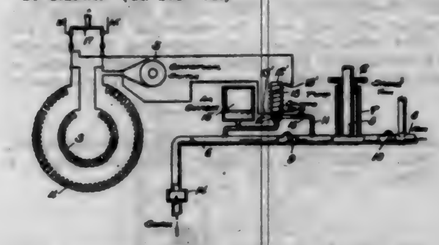
A container of the character stated, consisting of a cylindrical, hollow body open at both ends, an annular bead near each end of said body, the terminals of said body forming smooth necks extending from said beads, a plurality of radially arranged, parallel, longitudinally disposed sharp, pointed ribs extending throughout the length of said body including said necks upon the inter-

nal wall thereof, with which ribs the peripheral, ungrooved surfaces of long and short sticks of material in the body are adapted frictionally to engage to form



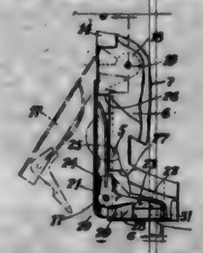
grooves in the said sticks in their forward movements so as to function as a single stick, and a cap for each end of said body, which caps are interchangeable upon either neck thereof.

1,543,482. AUTOMATIC CONTROLLING MEANS FOR ELECTRIC PUMPS. ALEXANDER S. L. PEASLEE, Oak Park, Ill. Filed June 23, 1922. Serial No. 570,482. 10 Claims. (Cl. 103—41.)



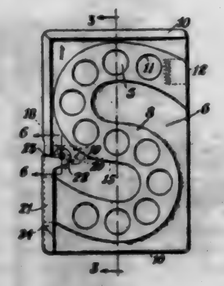
1. A pumping system comprising an electric motor, a power supply circuit therefor containing a switch to connect and disconnect said motor, a pump operatively connected to said motor, and automatic controlling means for said system, said means including a fluid tight pressure relief passageway for the pump, a valve to open and close said passageway, and means responsive to the speed of said motor to control said valve.

1,543,483. COIN BANK. JOSEPH F. PUNZAK, Brooklyn, N. Y., assignor to David H. Zell, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1924. Serial No. 696,450. 3 Claims. (Cl. 232—4.)



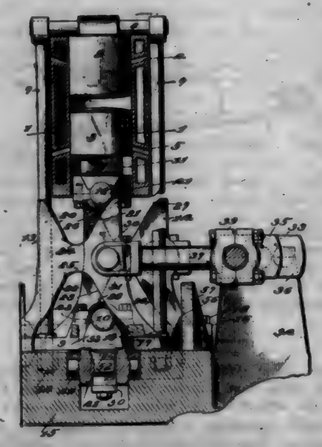
1. A coin bank having intermediate and side plates provided with spaced portions forming coin-ways opening at their ends upon opposite side edges and adjacent to opposite ends of the bank, means securing said plates together at their marginal edges, guard means at the entrance ends to said coin-ways through the side edges adjacent to one end of the bank, a pivoted closure for the other ends of said coin-ways through the other side edge adjacent to the other end of the bank, and latch means to hold said closure in effective position preventing the removal of the coins.

1,543,484. COIN BANK. JOSEPH F. PUNZAK, Brooklyn, N. Y., assignor to David H. Zell, Inc., New York, N. Y., a Corporation of New York. Filed Mar. 3, 1924. Serial No. 696,451. 4 Claims. (Cl. 232—4.)



1. A coin bank comprising intermediate and side plates of sheet material, said side plates having off-set portions forming with said intermediate plate separate coin-ways each opening upon opposite edges of the bank, guard means to prevent the extraction of coins from one end of said coin-ways, a closure member for the other ends of said coin-ways pivotally and slidably mounted on its pivotal connection at one of its ends upon the body plates, and key-actuated means for locking said closure member in its effective position to prevent removal of the coins from said ends of the coin members.

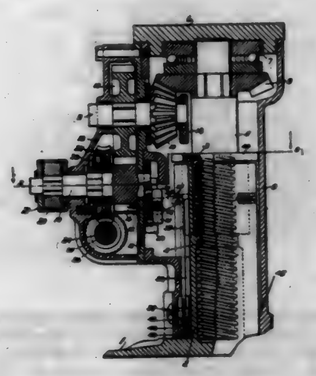
1,543,485. ENGINE. CHARLES REINEKE, New York, N. Y., assignor to The Reineke Motor Corporation, New York, N. Y., a Corporation of Delaware. Filed May 24, 1921, Serial No. 472,192. Renewed Mar. 12, 1925. 16 Claims. (Cl. 74—14.)



1. In an engine, the combination with a cylinder of a relatively high speed piston arranged therein, a slow speed power shaft, and means including oppositely

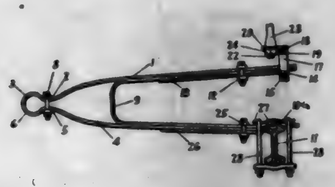
moving power transmitting cam devices interconnecting the piston and power shaft whereby a multiplicity of power strokes of said piston is imparted to the power shaft for every revolution thereof.

1,543,486. POSITIVE STOP FOR LIFTING JACKS. CHARLES WILLIAM RIPSCH and JAMES C. DAWLEY, Dayton, Ohio, assignors to The Joyce-Cridland Company, Dayton, Ohio, a Corporation of Ohio. Filed June 25, 1921. Serial No. 480,302. 26 Claims. (Cl. 254—103.)



1. In a lifting jack, a lifting element, actuating means for said lifting element, means to control the downward movement of said lifting element, and means to automatically operate said controlling means when said lifting element has been elevated to a predetermined height and thus permit said lifting element to move downwardly.

1,543,487. COMBINATION VEHICLE SPRING, BUMPER, AND SHOCK ABSORBER. ROBERT H. SIMONDS, Dayton, Ohio. Filed May 19, 1923. Serial No. 640,256. 4 Claims. (Cl. 293—55.)



1. A structure of the type described comprising a pair of outwardly projecting superimposed leaf springs, a resilient bracing element secured between said springs, the latter terminating at their front ends in bumper receiving portions, and a bumper rod secured between said portions.

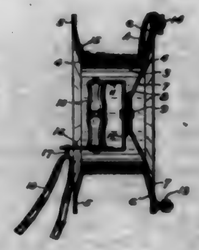
1,543,488. DEEP-WELL PUMPING APARATUS. WILLIAM O. TODD, Los Angeles, Calif. Filed Jan. 15, 1924. Serial No. 686,413. 11 Claims. (Cl. 103—46.)

1. A well pumping apparatus comprising a body adapted to be suspended within the well, and having a power cylinder and a pump barrel; a piston operable in said cylinder; a plunger, connected with said piston and operable within said barrel; a stationary tubing string communicating with said cylinder for conducting fluid under continuous pressure thereto, and a second stationary tubing string positioned within and spaced from the first tubing string, said second tubing string communicating with said barrel for conducting the pumped well



fluid therefrom, one of said tubing strings being connected with said body for suspending the same; and a valve within said body for controlling the admission and discharge of the pressure fluid to said cylinder on each side of its piston to cause the latter to reciprocate.

1,543,489. HAND REEL. GEORGE E. WILSON, Omaha, Nebr. Filed Jan. 16, 1925. Serial No. 2,031. 4 Claims. (Cl. 242—96.)

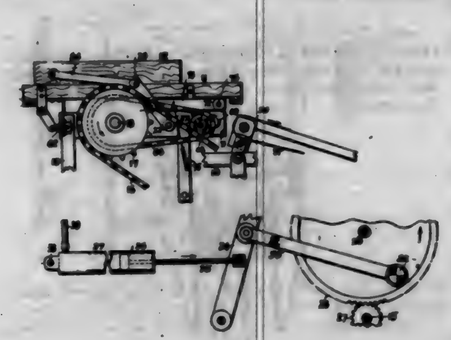


1. In a device of the class described, a spool comprising a tubular center-member and annular end-plates secured to the ends of said center-member, a cross-bar extending diametrically of one of said end-plates and bowed into the adjacent end of the tubular center-member, a handle disposed within the center-member and having a grip transverse to the axis thereof, and a pin secured to said cross-bar and extending coaxially of the spool, said pin being connected rotatably with said handle.

1,543,490. SHEET-SEPARATING MACHINE. JOHN E. WOODBURY, Worcester, Mass. Filed Sept. 4, 1920. Serial No. 408,175. 12 Claims. (Cl. 271—29.)

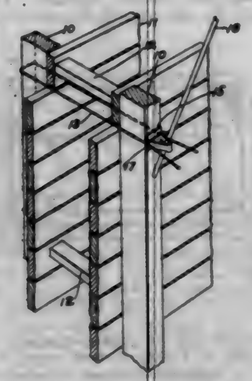
1. In a sheet separating device, the combinaton of a reciprocatable holder for a pile of sheets, a support for the rear end of said pile, a support for the forward end of the pile spaced from the rear support and having a

downwardly projecting separating edge located in position to engage the sheets only after the holder has started to move forward, and pneumatic means for drawing the



forward end of the bottom sheet downwardly while passing over said space said pneumatic means being oscillatable in the arcs of independent circles.

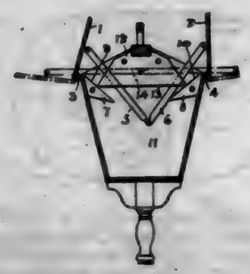
1,543,491. CLAMP AND TIGHTENER FOR TIE WIRES. PETER BEGHETTI, San Francisco, Calif. Filed Sept. 10, 1924. Serial No. 736,952. 3 Claims. (Cl. 25—131.)



1. The combination with a form for concrete walls of the character indicated and a tie-wire for preventing spreading of the walls, of a combined clamping and tightening means to engage the ends of the said tie-wire, said clamping and tightening means including a tapered shank, a ring upon said shank slidable thereon to engage the ends of the wire, and means on the outer end of the shank to receive a tool, whereby the said clamp may be moved outwardly to tighten the wire.

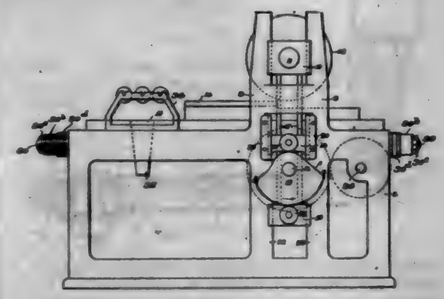
1,543,492. WORKBOX. GEORGE E. BILTON, Toronto, Ontario, Canada. Filed Dec. 18, 1922. Serial No. 607,634. 4 Claims. (Cl. 223—58.)

1. In a work box, the combination with the covers hinged to the sides of the box, of a pair of free pivotal links connected together at their inner ends and connecting said covers, and means fixed to the box end slidably engaging said links and forming pivots to



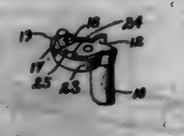
engage said link at variable points above and below to effect the operation of either cover with the movement of the other cover.

1,543,493. CYLINDER PRESS. JOSEPH CYRILLE EMILE BOURASSA, Montreal, Quebec, Canada. Filed June 4, 1923. Serial No. 643,285. 13 Claims. (Cl. 101—343.)



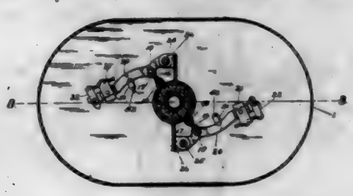
1. In a press the combination of a reciprocating bed, reciprocating ink distributing rollers, and a cylinder, the said cylinder retracting from said bed to permit the said distributing rollers to pass thereunder while reciprocating over said bed.

1,543,494. OPHTHALMIC MOUNTING. WILLIAM H. BOUTELLE, Sturbridge, Mass., assignor to American Optical Company, Southbridge, Mass., a Voluntary Association of Massachusetts. Filed Oct. 29, 1924. Serial No. 746,549. 8 Claims. (Cl. 88—47.)



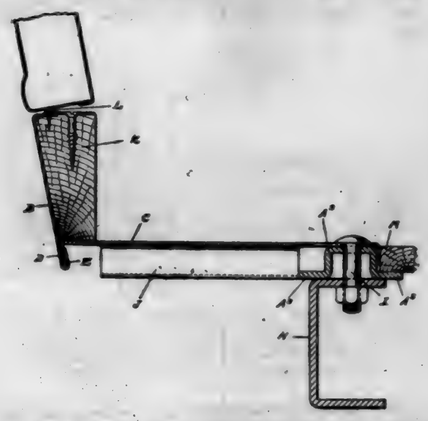
1. An ophthalmic mounting comprising a metallic member provided in one of its surfaces with a recess, a nonmetallic plug secured in the recess, and a nonmetallic covering on a surface of the metallic member and secured to the plug.

1,543,495. OIL CIRCUIT BREAKER. AUGUSTUS JAMES BOWIE, San Francisco, Calif. Filed Dec. 5, 1921. Serial No. 520,095. 14 Claims. (Cl. 200—150.)



1. In an oil circuit breaker a pair of electrically connected blades hinged on different axes for opening and closing the circuit, adapted to be substantially parallel throughout their travel, said blades operating in opposite directions.

1,543,496. METALLIC VEHICLE BODY. PAUL E. BRENEMAN, Detroit, Mich., assignor to C. R. Wilson Body Company, Detroit, Mich., a Corporation of Michigan. Filed Nov. 10, 1919. Serial No. 336,786. 5 Claims. (Cl. 296—28.)



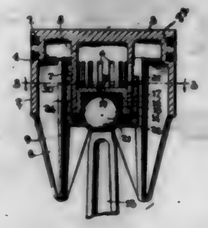
1. A metallic body for vehicles, comprising sills independent of the chassis frame arranged to be directly superposed thereon, a body shell of a contour differing from that of the sills, and members projecting laterally from said sills for supporting the body shell.

1,543,497. SEAMED METAL ARTICLE. WILLIAM L. R. EMMET, Schenectady, N. Y., and SAMUEL T. THORPE, Bristol, Conn.; said Emmet assignor to General Electric Company, a Corporation of New York, and said Thorpe assignor to The Horton Manufacturing Company, Bristol, Conn., a Corporation of Connecticut. Filed Nov. 28, 1921. Serial No. 518,483. 9 Claims. (Cl. 273—80.)



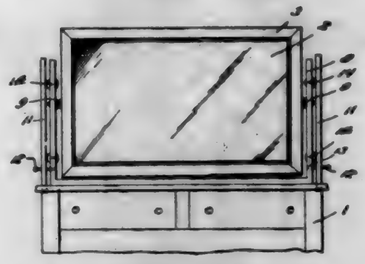
8. A resilient golf club shaft comprising a sheet steel tube formed with its edges in abutting relation, a steel member bridging the joint between the edges of said tube, and a metal binder filling the interstices between and uniting the edges and member throughout their proximate surfaces, said binder having a melting point below that at which recarbonization of the tube and member takes place.

1,543,498. PISTON AND CONNECTING ROD FOR ENGINES. CLAYSON ROSS HAMMOND, Salem, Oreg. Filed Mar. 21, 1924. Serial No. 700,858. 5 Claims. (Cl. 74—108.)



1. A piston comprising a body portion formed with a rearwardly extending skirt, said skirt consisting of a plurality of triangular-shaped spaced projections arcuate in cross section, each of said projections having one edge provided with a sharp point for scraping lubricant towards the crank case during the operation of the piston, and its other edge rounded.

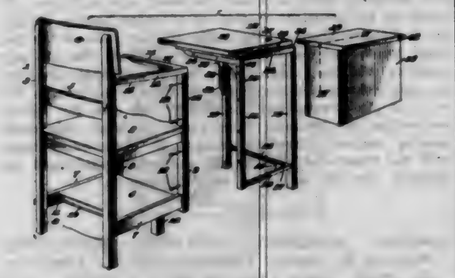
1,543,499. MIRROR MOUNTING FOR DRESSERS. MATT HATCHER, Sipsey, Ala.; Alice Hatcher administratrix of said Matt Hatcher, deceased. Filed Feb. 13, 1924. Serial No. 692,564. 2 Claims. (Cl. 45—5.)



1. In an article of the class described, a piece of furniture having a pocket formed adjacent the rear wall thereof, a supporting frame, a mirror pivotally mounted in said supporting frame, said mirror and frame being movable as a unit into said pocket and adapted to be completely housed therein, a pair of hinged cover sections for the open upper end of the pocket, said sections being adapted to be moved into substantially vertical position to open the pocket, means for raising the mirror and frame into projected position above the top of the piece of furniture, and locking means carried by the hinged sections for engagement with the frame adapted to lock said frame in projected position, said locking means also serving as operating means for the hinged section.

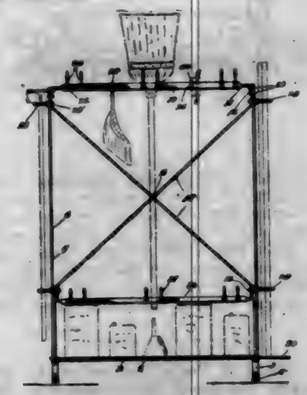
1,543,500. COMBINED DESK AND CHAIR. OLIVE G. HENDERSON, Ann Arbor, Mich. Filed Nov. 18, 1923. Serial No. 674,564. 7 Claims. (Cl. 155—3.)

1. The combination, with a chair having supporting legs of its own, an arm at one side of said chair formed by one arm of a horizontal angle bracket, the other arm of said bracket extending from said arm across the front of the chair, of a desk having supporting legs of its own, and means for detachably fastening said desk



to said bracket arm which extends across the front of the chair, whereby the desk and chair may be secured together for use or knocked down for transportation.

1,543,501. DISPLAY RACK. LEROY V. HIATT, Douglas, Ariz. Filed June 13, 1922. Serial No. 567,992. 3 Claims. (Cl. 211—14.)



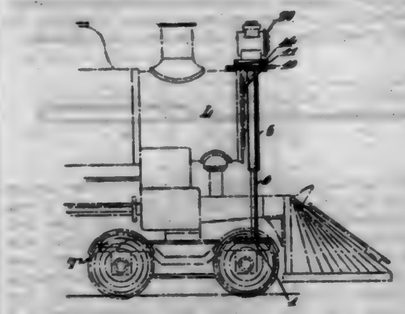
1. In a structure of the class described, a supporting frame structure including a cross bar vertically disposed, and an article supporting member comprising an intermediate bail portion frictionally fitted over the said cross bar and having supporting arms extending laterally and upwardly in opposite directions therefrom.

1,543,502. DYNAMO-ELECTRIC MACHINE. HENRY M. HOBART, Niskayuna, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Mar. 25, 1924. Serial No. 701,858. 2 Claims. (Cl. 171—252.)



1. In a dynamo electric machine, the combination of a frame, a stator winding, a rotor, and a metal partition comprising a perforated middle section having insulating material disposed on each side thereof for sealing said perforations and non-perforated end sections, said middle section lying in the air gap between said stator winding and said rotor, said end sections cooperating with said middle section and said frame to form a casing around said stator winding for containing an insulating medium.

1,543,503. LOCOMOTIVE HEADLIGHT. DONALD MCKAY, Montgomery, Ala. Filed Apr. 17, 1924. Serial No. 707,210. 2 Claims. (Cl. 240—62.)



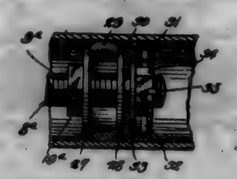
1. In a dirigible headlight for locomotives, a platform to be mounted on a locomotive, a sleeve depending from said platform, a cam block fixed to the upper face of said platform, a cooperating cam mounted on said block and having a stem extended loosely therethrough into said sleeve, means connected with the truck of a locomotive to be rotated thereby, said means having a shank extending into said sleeve, said stem and shank being keyed to the sleeve to permit them to rotate in unison and to reciprocate independently, and a headlight fixed to said movable cam.

1,543,504. PENCIL SHARPENER. GEORGE MEZEI, Clinchco, Va. Filed Mar. 13, 1924. Serial No. 698,942. 2 Claims. (Cl. 120—94.)



1. A pencil sharpener comprising a plate having at one end a semi-conical depression to receive one pencil end, said plate being provided with hinge eyes at each side of the base of said depression, a U-shaped plate having the legs of the U hinged to said hinge eyes and carrying at its free end a spring clip engageable with the end of the first plate remote from the hinge eyes, a knife supporting plate provided with lugs on each side and at each end, said lugs engaging the side edges of the first plate, a knife carried by said knife supporting plate, and a handle projecting upwardly from the knife supporting plate between the legs of the U-shaped plate for reciprocating the knife supporting plate.

1,543,505. GREASE GUN. CHARLES H. MIDDLETON and HARRY A. SELSER, Camden, N. J. Filed May 23, 1921. Serial No. 471,670. 1 Claim. (Cl. 74—109.)



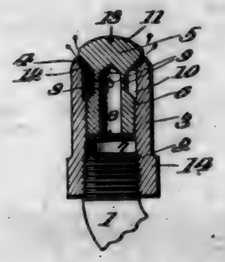
In a piston, a plunger; an abutment on the plunger; disks mounted on the plunger, one disk engaging the abutment; an outwardly bowed packing ring located between the disks; and means for advancing the other disk.

1,543,506. METHOD OF MAKING HOLLOW RUBBER ARTICLES, SUCH AS NIPPLES, FINGER COTS, BULBS, AND THE LIKE. THOMAS W. MILLER, Ashland, Ohio, assignor to The Faultless Rubber Company, Ashland, Ohio, a Corporation of Ohio. Filed Oct. 31, 1923. Serial No. 671,956. 3 Claims. (Cl. 18—56.)



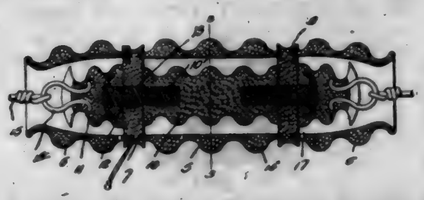
1. The method of manufacturing hollow rubber articles closed at one end, which consists in first forming a tube of vulcanizable material, then dividing said tube into lengths and simultaneously shaping said lengths into hollow closed bodies each double the length of the completed article, then expanding and vulcanizing said bodies to a predetermined shape, and finally separating said bodies each into two sections, each section forming a completed article.

1,543,507. GAS BURNER. CHARLES MUNEMEE, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Aug. 2, 1923. Serial No. 655,229. 1 Claim. (Cl. 67—87.)



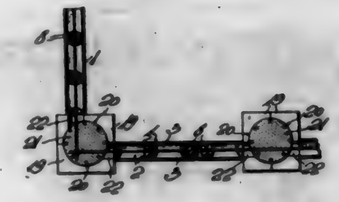
A gas burner comprising a housing having an intermediate internal screw-threaded portion, its upper end beveled outwardly, an interior member having its lower end made hollow and provided with an intermediate reduced portion, its upper solid end flared outwardly to correspond with the bevel of the outer extremity of the housing, laterally extending openings formed through the intermediate reduced portion and the enlarged lower end screw-threaded to fit the intermediate screw-threads of the housing, whereby a chamber is formed between the said intermediate reduced portion and the housing, and the enlarged head is adjustable, for the purpose described.

1,543,508. ELECTRICAL INSULATOR. GEORGE F. NEAL, Oaklyn, N. J. Filed Aug. 15, 1923. Serial No. 657,557. 3 Claims. (Cl. 173—366.)



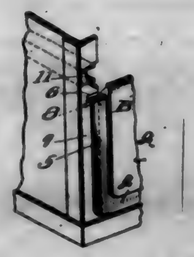
1. In an insulator of the class described, an outer tubular insulating shell, an inner insulator core rigidly connected to said shell and disposed concentrically within and spaced therefrom, means upon the ends of the core for facilitating suspension of the insulator, said shell and core each embodying central and a pair of end sections, disks arranged between said sections, the inner or intermediate section of the core having threaded sockets formed in the ends thereof, screws having their heads embedded in the inner ends of the end sections of said core, said screws passing through openings in said disks and being threaded into the sockets in the ends of the intermediate section of the core for rigidly connecting the sections of the latter together, said disks having annular marginal grooves in their outer faces and the inner end of each end section of said shell extending into the adjacent coacting groove.

1,543,509. CONCRETE BUILDING STRUCTURE. WILLIAM E. NELSON, Washington, D. C. Filed Nov. 15, 1922. Serial No. 601,186. 3 Claims. (Cl. 72—30.)



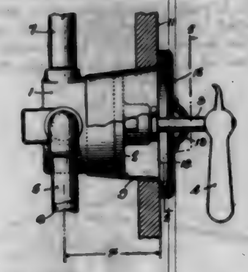
2. A monolithic concrete wall comprising a plurality of concrete units laid upon each other to form a pillar, said units having vertically alined recesses to receive a concrete core, and a plurality of concrete wall units contacting with said pillar forming units, said wall units having recesses in communication with the recesses of said pillar forming units, and a concrete core filling all of said recesses and tying all of said units together.

1,543,510. SLIDING DOOR FOR STOVES. FREDERIC G. NICOLAUS, Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo., a Corporation of New Jersey. Filed Dec. 18, 1924. Serial No. 756,755. 6 Claims. (Cl. 126—190.)



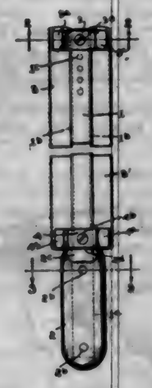
1. A sliding door for stoves and the like, comprising a door-frame having openings, a door having its edges overlapping the frame and adapted to pass through the said openings, the top edges of the overlapping portion of the door adapted to engage with the wall of the opening when the door is in a closed position.

1,543,511. VALVE TEL.. LATE. EDWARD F. NIEDECKEN, Milwaukee, Wis. Filed Feb. 12, 1925. Serial No. 8,640. 7 Claims. (Cl. 137—111.)



1. The combination with a valve casing, of a protecting sleeve arranged thereon and projecting forwardly thereof, said sleeve being fixed against outward displacement relatively to said casing and adapted to provide a template for use in fixing the position of the surrounding wall.

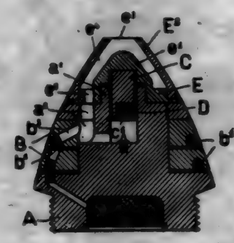
1,543,512. HACK SAW. HENRY O. NOYES, Oakland, Calif. Filed Oct. 28, 1924. Serial No. 746,393. 6 Claims. (Cl. 145—31.)



1. A hack saw, comprising a blade holder of slightly greater width than that of the thickest blade to be used therewith; clamp members disposed transversely of said holder; and means for causing said opposed members to bind the rear edge of the blade against an edge of said holder.

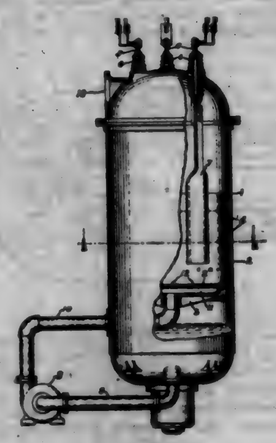
6. A hack saw, comprising a blade holder of slightly greater thickness than that of the thickest blade to be used therewith, and having longitudinal V-shaped grooves in its opposite side edges adapted to receive the back edges of the blades inserted therein; a handle at one end of said holder; a blade clamp at the opposite end of said holder; a second blade clamp at the inner end of said handle; said blade clamps each comprising opposed members slightly less is length than the combined widths of the holder and blades, and having their outer ends offset to form jaws; and a screw engaging said opposed clamp members for drawing same together to bind the blades in said grooves parallel with said holder.

1,543,513. SLOW-COMBUSTION FUSE FOR PROJECTILES. OTTO OESTERLEN, Essen, and KARL WIEBEL, Werden, Germany, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Filed Dec. 6, 1920. Serial No. 428,740. 7 Claims. (Cl. 102—36.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



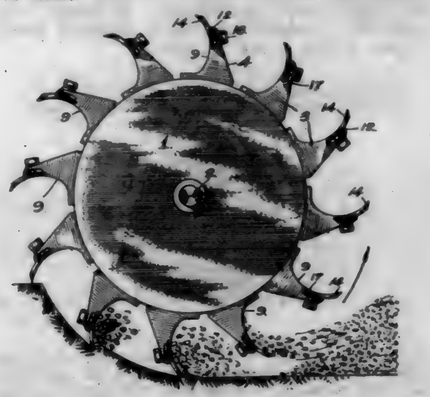
3. A slow combustion fuse for projectiles comprising a body, a cylindrical extension formed on said body, fuse rings containing a combustion fuse secured to said body, a firing pin mounted in said extension, a plate provided with a conical shaped cap secured to said extension, said cap covering said firing pin, a frusto-conical shape hollow member secured to said plate, the free end of said member being open and disposed centrally of the fuse, said cap and hollow member forming a hollow conical-shaped annular space, said fuse ring and body having formed therein a passage way providing communication between said annular space and the burning composition of the fuse.

1,543,514. ELECTRIC STEAM BOILER. ALBERT N. ORTS, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed May 16, 1924. Serial No. 713,861. 4 Claims. (Cl. 219—40.)



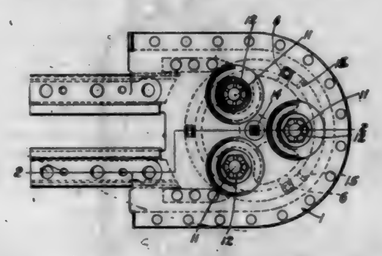
2. In a three-phase electric boiler, the combination of a shell which forms a neutral of the system, and electrodes in said shell, said electrodes being triangular in shape and having curved outer faces which conform to the curvature of the shell and flat inner faces which stand parallel to each other, said flat faces being spaced apart a distance equal approximately to 1.73 times the distance between the curved outer faces and the shell.

1,543,515. CULTIVATOR BRACKET AND CUTTER. LYNN W. PICKARD, Sacramento, Calif. Filed Sept. 16, 1924. Serial No. 738,053. 3 Claims. (Cl. 97—215.)



1. The combination with a cultivator drum of a plurality of brackets mounted at regular intervals upon the periphery of said drum, each bracket having an arcuate transverse portion terminating in a groove for the reception of a cutter and a beveled portion beyond said grooves; a short arcuate cutter blade mounted within each groove and having a beveled portion engaging the beveled portion of the bracket; and means for firmly seating and retaining the inner end of each blade within its respective groove and the beveled portion of said arcuate blade in contact with the beveled portion of the bracket.

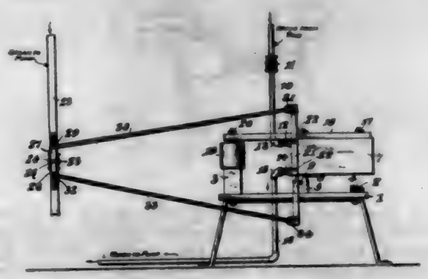
1,543,516. CUTTER HEAD FOR COAL-CUTTING MACHINES. THOMAS E. PRAY, Chicago, Ill., assignor to Goodman Manufacturing Company, Chicago, Ill., a Corporation of Illinois. Filed Nov. 3, 1921. Serial No. 512,453. 4 Claims. (Cl. 262—28.)



1. A cutter head for mining machines comprising a top plate and bottom plate, a bearing ring adapted to provide direct bearing for a cutter chain and circumferentially adjustable between said plates, and a plurality of bolts extending through said plates within and adjacent said bearing ring to secure said plates together.

1,543,517. BOILER-FEED REGULATOR. FAY A. PYLE and CLAUDE E. MELTON, Scottsbluff, Nebr. Filed Oct. 24, 1924. Serial No. 745,665. 1 Claim. (Cl. 137—101.)

A regulator for the purpose set forth comprising a support, a water receiving tank arranged thereover, spaced therefrom and having one end pivotally connected therewith, an arm extended from the top of the pivoted end of the tank and having connected to its outer end a depending counter-balancing weight for maintaining the tank in normal or balanced position with respect to the support, a bar fixed to one side of the tank, means for supplying water to the tank to shift the latter from balanced position, a water discharge pipe for the tank leading to a pump, a pump steam line valve shifting member, means carried by the lower end of the bar and having a lost motion connection with said member for maintaining the valve of the steam line to the pump closed



when the tank is in normal position, means carried by the upper end of the bar and having a lost motion connection with said member for opening the valve in said steam line when the tank is shifted from normal position, a stop carried by said support for limiting the movement of said counter-balancing weight when the tank shifts to normal position, and a beveled resilient abutment carried by the support, of less height than the stop, and engageable by the tank when the latter is shifted from normal position.

1,543,518. TOOTH-PASTE-SERVING DEVICE. WILLIAM B. RAMSEY, Atlanta, Ga. Filed Mar. 5, 1924. Serial No. 697,007. 2 Claims. (Cl. 221—60.)

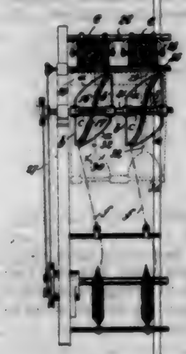


1. A tooth paste serving device consisting of a single blank of metal comprising a flat base, a pair of lateral attaching ears disposed intermediate of said base, a pair of lugs disposed vertically with reference to said base at one end thereof and having each a bearing, a shaft mounted in said bearing and having a handle and a slot to receive the flat end of the paste container and a spring plate forming the upper portion of the device and downwardly curved at its outer end to bear upon the container and coact with the shaft to expel the paste from said container.

1,543,519. ROTARY THREAD GUIDE FOR CROSS-WINDING FRAMES. WILHELM REINERS and GUSTAV KAHLBSCH, Munich-Gladbach, Germany. Filed May 28, 1924. Serial No. 716,385. 11 Claims. (Cl. 242—43.)

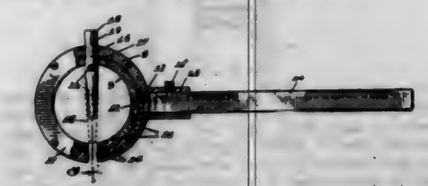
1. A rotary thread guide for cross winding frames, comprising rotating wings having their peripheral guide

elements angularly disposed relative to their axis of rotation, and supporting arms for said guide elements,



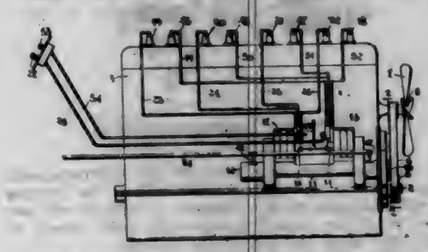
the supporting arms for the trailing ends of said guide elements being sloped away from the respective transaxial planes of said guide elements, as described.

1,543,520. WIRE-TWISTING TOOL. FRED C. REUTTER, Los Banos, Calif., assignor of one-half to Mark M. Finlayson, Los Banos, Calif. Filed Feb. 7, 1924. Serial No. 691,207. 6 Claims. (Cl. 140—119.)



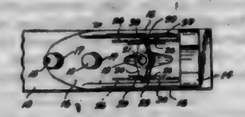
1. A wire twisting tool comprising a ratchet; a wire engaging member slidably and rotatably mounted upon the ratchet and arranged to be moved to engage a pair of wires to be twisted together; means for holding the wire engaging member in operative or releasing position relative to the wires and ratchet; and means for actuating the ratchet and the wire engaging member to twist the wires.

1,543,521. DUAL IGNITION SYSTEM. WILHELM M. RISTAU, Jr., Fredericksburg, Tex. Filed Aug. 5, 1924. Serial No. 730,288. 5 Claims. (Cl. 123—148.)



2. In a dual ignition system, means to provide a pair of magneto circuits each including a controlling switch, a set of spark plugs and a magneto, a driving element, means mounted on said element for driving the magnetos of said circuits, means whereby one of the magnetos is driven independently of the other, each of said circuits further including a spark control device, and a controlling element common to said devices.

1,543,522. DETACHABLE EAR FOR TRANSMISSION BANDS. ELMER R. ROSS, Bridgeport, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Sept. 4, 1924. Serial No. 735,901. 18 Claims. (Cl. 188—249.)



5. A transmission or brake band comprising a curved strip of resilient material, a stud projecting outwardly therefrom, an ear having an opening to receive said stud and an elongated opening, and a button pivoted to the band and adapted to pass through said elongated opening in one position but of greater length than the width of the opening to secure the ear to the band when turned to a position transversely to the opening, the ear being provided with recesses on opposite sides of the opening to receive said button when in securing position and also having inclined surfaces leading to said recesses, and the band being slit on opposite sides of said pivot to provide a resilient portion movable relative to the rest of the band and on which the button is mounted.

1,543,523. DETACHABLE EAR FOR TRANSMISSION BANDS. ELMER R. ROSS, Bridgeport, Conn., assignor to The Raybestos Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Dec. 12, 1924. Serial No. 755,425. 8 Claims. (Cl. 188—249.)



5. A transmission or brake band comprising a curved strip of resilient metal, a plurality of substantially radially extending studs carried by said band, an ear provided with openings into which the studs project and so arranged that the sides of the openings engage the studs to prevent sliding or longitudinal movement of the ear on the band, a securing button having an overhanging portion pivoted to one of the studs, one of the openings in the ear being elongated to allow passage of said button, said button being movable to a position over the ear to prevent movement of the ear radially of the band, and a pair of spaced lugs on the ear to hold the button in securing position.

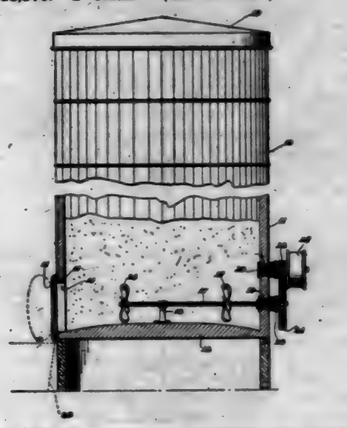
1,543,524. BATTERY CLIP. HOWARD B. SHERMAN, Battle Creek, Mich. Filed Apr. 24, 1924. Serial No. 708,774. 6 Claims. (Cl. 173—273.)



1. A battery clip formed of a single strip of suitable metal bent at its center to form a plurality of substantially side by side bends and opposite similar side members extending beyond the central bend; and beyond said

side members the opposite portions of the strip being bent inwardly at a point beyond the central bend to form opposite legs, said legs crossing each other; the portions of the strip being further bent at the outer ends of the legs to form opposed clamping jaws; said jaws being at the end of the clip opposite the plurality of bends, and the said bends constituting a spring adapted to spread the side members apart and close the jaws; all portions of such clip being formed integral, substantially as and for the purpose specified.

1,543,525. SILAGE-EJECTING DEVICE. DAVID B. SHIRAS, Pittsburgh, Pa. Filed June 7, 1924. Serial No. 718,570. 1 Claim. (Cl. 214—17.)



The combination with an air-tight silo having an opening in its side at its bottom and a door normally closing said opening air-tight, of a shaft arranged in substantially axial alinement with the opening in the side of the silo, an air-tight bearing for said shaft in the wall of the silo, propeller blades secured on said shaft within the silo, and means external to the silo for rotating said shaft.

1,543,526. PRINTING PRESS. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor of one-half to James T. Robinson, Holyoke, Mass. Filed Apr. 2, 1924. Serial No. 703,775. 12 Claims. (Cl. 101—415.1.)



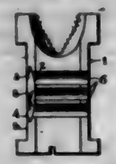
1. A blanket roll comprising a body portion formed of a fixed, a pivoted and a pair of removable sections, said removable sections adapted to be secured to the inner face at the ends of a flexible plate, said pivoted section when in normal position forming a continuation of the fixed section, the opposed ends of the fixed and pivoted sections being bevelled and seating against each other when the pivoted section is in normal position, and said removable sections when in normal position abutting against each other and one abutting against the pivoted section and the other against the fixed section, the abutting portions of said removable sections being bevelled and forming continuations of the terminal of the plate.

1,543,527. PHOTOTYPOGRAPHIC CHARACTER SLUG. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor of one-half to James T. Robinson, Holyoke, Mass. Filed June 4, 1924. Serial No. 717,830. 12 Claims. (Cl. 195—85.)



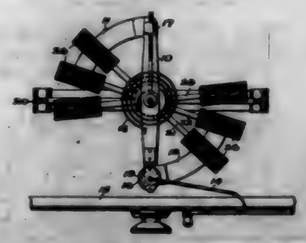
1. A phototypographic character slug comprising a body portion having a front edge, a carrier seated in said front edge and having its outer edge provided with an object to be photographed, and said body portion provided with means for directing light rays to said carrier to provide for the printing of the object on a sensitized surface opposing the object.

1,543,528. PHOTOTYPOGRAPHIC ROTOGRAVURE CHARACTER SLUG. ROBERT JARVIS SMOTHERS, Holyoke, Mass., assignor of one-half to James T. Robinson, Holyoke, Mass. Filed July 2, 1924. Serial No. 723,783. 15 Claims. (Cl. 95—85.)



1. A phototypographic rotogravure character slug comprising a body portion having a front edge, a carrier seated in said front edge and having its outer edge provided with a dotted object to be photographed, and said body portion provided with means for directing light rays to said carrier to provide for the printing of the dotted object on a sensitized surface opposing the object.

1,543,529. ELECTROMAGNETIC MEASURING INSTRUMENT. GEORGE WALTER STRONER, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 11, 1924. Serial No. 705,957. 4 Claims. (Cl. 171—95.)

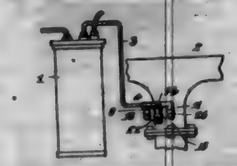


1. An indicating instrument of the electromagnetic type having an operating plunger magnet the winding of which is made up of a plurality of separate coil sections which are relatively adjustable with respect to each other along the axis of the solenoid.

1,543,530. VAPORIZING ATTACHMENT. LEO G. STRANSKY, Pukwana, S. Dak. Filed Mar. 10, 1923. Serial No. 624,802. 2 Claims. (Cl. 123—124.)

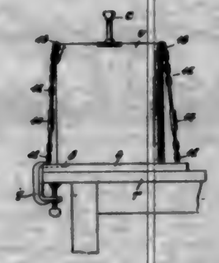
1. An attachment for the purpose set forth comprising an air conducting element in the form of a substantially short tubular member having a lateral tubular extension

intermediate its ends for connection to a conduit leading to the vacuum tank of an internal combustion engine, said member further provided with an inner and a pair of outer spaced depending tubular extensions one outer and the inner extension having an air inlet, a valve therein for closing the inlet and means in connection with the valve to constitute a by-pass, an angle-shaped



coupling element connected to and depending from the other outer extension and formed of a vertical and a horizontal leg and with the horizontal leg threaded for connection directly to the intake manifold of the engine, and a foraminous pipe mounted within said horizontal leg and extending from said vertical leg into the intake manifold.

1,543,531. HOLDER FOR BREAD KNEADERS OR THE LIKE. FRED A. STRUSSEL, Cleveland, Ohio. Filed Nov. 14, 1924. Serial No. 749,902. 3 Claims. (Cl. 248—41.)



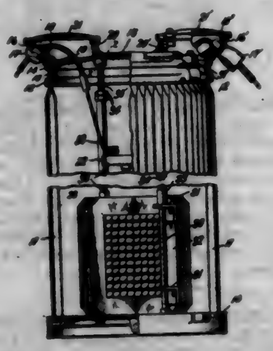
3. A receptacle holder comprising, a flat base member having leg receiving sockets in its upper face, said base member having a channel in its upper face opening through one edge, a U-shaped clamp arranged to interconnect the base member and a support and having one portion disposed in said channel, chains secured at one end to the clamp and base member, turn buckles for varying the length of the chain, and hooks carried by the free ends of said chains.

1,543,532. STAKE-SECURING MEANS. DAVID TIMIDAISKI, Scobeyville, N. J. Filed May 14, 1924. Serial No. 713,271. 2 Claims. (Cl. 296—43.)



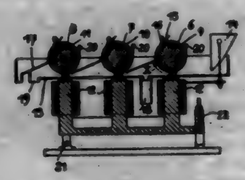
2. In combination with the bottom of a vehicle body having notches arranged in the sides thereof, a band extending around the side edges of the bottom, stakes adapted to be inserted in said notches, each stake having a longitudinal recess provided in the lower end of the outer face thereof, a metallic strip secured at its upper end in said recess, a stop member formed in the intermediate portion of said strip and adapted to normally engage the lower edge of the band for holding the stake against accidental displacement from the notch provided therefor, the lower end of the strip extending below the lower end of the stake and disposed inwardly adjacent the bottom of the stake, a lever pivoted to the free end of said inwardly extending portion for retracting the stop from engagement with the band, and a projection formed on said lever and adapted to be seated in a recess provided in the bottom of the stake for holding the stop member in a retracted position.

1,543,533. INCASED ELECTRICAL APPARATUS. EDWARD D. TREANOR, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed June 25, 1920. Serial No. 391,767. 1 Claim. (Cl. 220—85.)



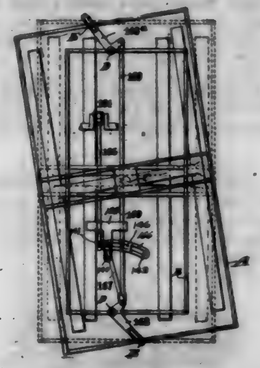
In a casing for electrical apparatus, a metal beading secured to the upper edge of the side wall of said casing, said beading having a thin laterally extending fin, and a top band cast onto said upper edge of the side wall and around said fin, whereby said fin forms a tight welded joint between the side wall and the top band.

1,543,534. PROCESS OF WET MAGNETIC SEPARATION ON ROLLER SEPARATORS. GEORG ULLRICH, Magdeburg, Germany, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Filed Oct. 18, 1923. Serial No. 669,412. 5 Claims. (Cl. 88—71.)



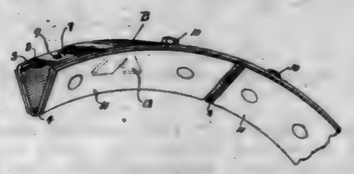
1. A wet magnetic process for separating material consisting in supplying a liquid to the descending lateral surface of a magnetic roll whereby a downwardly flowing liquid wall is formed at the base of said roll, delivering the material to said wall in a liquid current traveling in the direction of rotation of said roll, raising the magnetizable particles of said material in said liquid wall, conveying them out of said wall and depositing them.

1,543,535. STEERING STEPPER. RICHARD VENELAFF, Berlin, Germany, assignor of one-third to Arthur von Mumm and one-third to Walter von Mumm, both of Berlin, Germany. Original application filed Feb. 16, 1921, Serial No. 445,552. Divided and this application filed Mar. 23, 1922. Serial No. 546,176. 3 Claims. (Cl. 180—8.)



1. A vehicle comprising in combination, two pairs of runners, a frame rigidly connecting the runners of each pair to form a unit, an angle lever adapted to swing about the frame of one pair and pivotally engaging the frame of the other pair, a double armed segment capable of pivoting on said latter frame, a crank shaft, operative connection between said shaft and said segment for causing permanent rocking motion of said segment and a link pivoted to the free end of said angle lever and to one end of said segment.

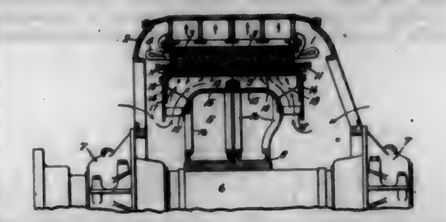
1,543,536. BRAKE-BAND STRUCTURE. HERBERT A. WALKER, Fullerton, Calif., assignor to Frederick W. Smith, Whittier, Calif. Filed Nov. 24, 1922. Serial No. 603,008. 8 Claims. (Cl. 188—259.)



5. A brake shoes structure comprising a segment having inwardly convergent side plates, means for connecting said plates in assembled relation, and brake linings fastened to the convergent faces of the plates, each plate having transverse tongues adapted to be overlapped in assembled relation and through which the fastening means pass.

1,543,537. DYNAMO-ELECTRIC MACHINE. JAMES WILKINSON, Lynn, Mass., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1922. Serial No. 557,994. 3 Claims. (Cl. 171—252.)

1. In a dynamo electric machine, a rotatable member comprising a spider having longitudinally extending ribs, said ribs being spaced apart, a core consisting of laminations mounted on said ribs and provided with slots, windings in said slots, said laminations being provided with a plurality of radially extending ventilating spaces therebetween, said ventilating spaces being substantially uniformly spaced throughout the length of said core, fan members mounted on said spider at the ends thereof, and means forming substantially enclosed passages leading from said fan members to the inner ends of said ventilating spaces, said passages being wider at the ends adjacent the fan members and narrower at the portions thereof adjacent the said ventilating spaces, said ribs



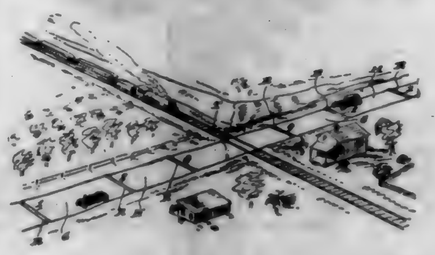
of said spider being located in said passages and extending in the direction of said passages so as to form a plurality of paths for the air from each of said fan members.

1,543,538. SIDE BEARING. WILLIAM B. WINN, Toledo, Ohio. Filed Dec. 8, 1923. Serial No. 679,247. 5 Claims. (Cl. 308—224.)



1. A self-centering side bearing comprising a housing, a guideway formed on one side wall and extending from a corner to the upper center of the housing, a second guideway formed on the opposite side wall and extending from the far corner to the upper center of the housing so that a portion only of the guideways are opposite each other, a self-centering roller within said housing having trunnions moving within said guideways, a separable plate within said housing and said guideways forming means for holding the plate from movement in all but one direction, and means formed in the bottom wall of said housing to hold the plate from movement in this direction.

1,543,539. DANGER-INDICATING DEVICE FOR HIGHWAYS. ELSIE M. WRIGHTSON, Mobile, Ala. Filed Jan. 3, 1925. Serial No. 398. 5 Claims. (Cl. 238—8.)
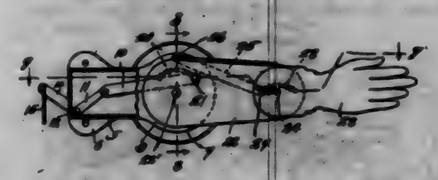


1. In combination with a vehicle highway having a point of danger thereon, of means arranged on the highway adjacent said point of danger for imparting a series of shocks to a vehicle approaching said point of danger, said means being graduated to cause greater shock as the vehicle approaches nearer the point of danger.

1,543,540. COUCH ROLL. EMMITT S. ANDERSON, Fort Francis, Ontario, Canada. Filed July 8, 1924. Serial No. 724,853. 3 Claims. (Cl. 92—47.)



1. A couch roll comprising a core having a central bore, a shaft located in said bore, spirally disposed ribs provided upon the periphery of the core, said ribs having head portions which are covered transversely, disks threaded upon the core and the ribs, collars applied to the ends of the core and the ribs, gudgeons receiving the ends of the shaft and having disks which receive the ends of the core and the ends of the ribs and nuts screwed upon the shaft and engaging the gudgeons.

1,543,541. SIGNAL. ADOLPH E. ARHLEHAN and THOMAS B. HANBY, Waco, Tex. Filed Apr. 28, 1924. Serial No. 709,562. 1 Claim. (Cl. 116—32.)



A signaling device including a hollow bracket member providing a housing, said bracket member having a curved slot formed in one wall thereof, a pivoted arm section connected with the bracket at its outer end, a hand section pivotally connected with the arm section, said hand section having a curved slot formed therein, a link member in the housing and having a pin extending through the curved slot thereof, said pin being connected with the arm section to move the arm section vertically, a bell crank lever connected with the link for moving the link, a link member having a pin extending through the curved slot of the hand section, the opposite end of the last mentioned link member being pivotally connected to the bracket member, and said last mentioned link member adapted to operate to move the hand section when the arm section is moved.

1,543,542. COW-TAIL HOLDER. CLARENCE D. BALDWIN, Deming, Wash. Filed Nov. 2, 1923. Serial No. 672,399. 1 Claim. (Cl. 119—105.)



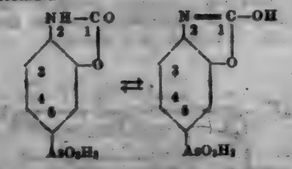
A cow tail holder comprising opposed spring loop jaws with curved parts adjacent the loops of said jaws and conforming to the shape of the cow's leg at a point above the hock joint thereof, said spring loop jaws comprising correspondingly curved parts, said parts of each jaw being in parallelism, said correspondingly curved parts at points remote from the first curved parts of the jaws intersecting and merging into spring loops having eyes opposite the points of intersection, and a connector between the parts of the jaws and having eyes receiving said parts immediately adjacent their points of intersection, said opposed jaws, the spring loops and their eyes being constructed from a single length of spring wire.

1,543,543. ALBUMEN DYESTUFF COMPOUND AND METHOD OF MAKING SAME. OSCAR BALLY, Basel, Switzerland, assignor to the Firm Haco-Gesellschaft A.-G. Bern, Gumligen, Switzerland. Filed Nov. 11, 1924. Serial No. 749,257. 11 Claims. (Cl. 260—9.)

1. Method of making a therapeutically useful albumen dyestuff compound insoluble in water, comprising treating an albuminous body with a thiazine dyestuff so as to form an albumen leuco dyestuff compound and converting same into the albumen dyestuff compound by oxidation.

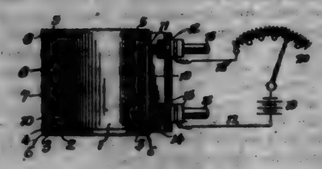
1,543,544. BENZOXAZOLON-5-ARSONIC ACID. LUDWIG BENDA, Mainkur, near Frankfort-on-the-Main, Germany, assignor to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung, a Corporation of Germany. Filed Apr. 17, 1924. Serial No. 707,304. 1 Claim. (Cl. 260—14.)

As new product benzoxazolon-5-arsonic acid of the probable formula



which is a colorless crystalline substance, sparingly soluble in cold, and easily soluble in hot water, very difficultly soluble in alcohol, unsoluble in ether, easily soluble in alkalies at a low temperature.

1,543,545. DENTAL APPARATUS. EDWARD M. BOATNER, San Antonio, Tex. Filed Apr. 10, 1924. Serial No. 705,690. 1 Claim. (Cl. 219—36.)

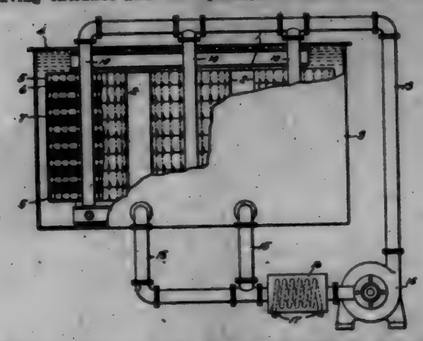


1. An apparatus of the character and for the purpose described, consisting of an enclosing element having an open and closed portion, a ring connected to said open portion of the element to form a coil receiving chamber, coils arranged in said chamber and having their terminals passing out from the ring, binding posts connected with said terminals and having extensions for connection with a plug or switch.

1,543,546. FORCED OIL TRANSFORMER. LOCKE H. BURNHAM, Pittsfield, Mass., assignor to General Electric Company, a Corporation of New York. Filed Feb. 27, 1922. Serial No. 539,650. 2 Claims. (Cl. 175—361.)

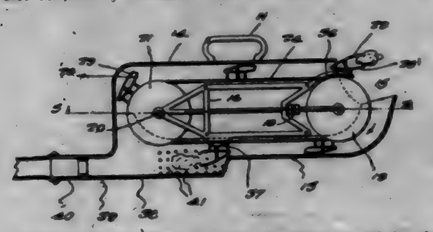
1. The combination with a transformer of an enclosing tank containing cooling fluid in which the transformer is immersed, said transformer including a plurality of disc coils, radially arranged spacers between said coils,

said spacers being constructed and arranged with openings respectively staggered in adjacent spacers, means enclosing said coils and spacers, said enclosing means having entrance and exit openings to permit the cooling



fluid to enter and leave the spaces between the coils, means including a fluid cooling device outside said tank, and means for conducting cooling fluid from said cooling device to said entrance openings and from said tank back to said cooling device.

1,543,547. COTTON-PICKING DEVICE. EDWARD B. CARROLL, Memphis, Tenn. Filed Nov. 26, 1923. Serial No. 677,039. 2 Claims. (Cl. 56—32.)



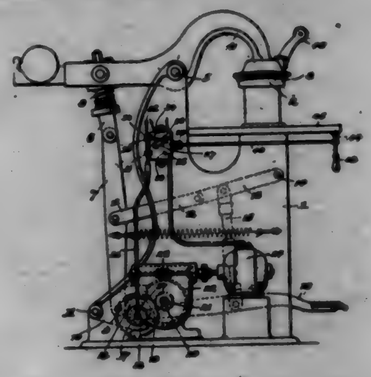
1. In a cotton picker, a head, carriers housed in the head, driving means upon which the said carriers are supported pivoted jaws mounted upon the carriers, one of which has legs which engage the carrier whereby the jaws are held spaced from the carrier, a pin carried by one of the jaws and passing transversely through the other jaw at a point between the supporting legs and having one end disposed toward the carrier, spring sections connected at their outer ends with the pin and bearing at their inner ends against the opposite sides of that jaw through which the pin passes, and relatively stationary cam means with which the said pin is adapted to cooperate for opening said jaws.

1,543,548. OVERHEAD-VALVE COVER. OSCAR PAUL CLOYD, Clinton, Ind. Filed May 31, 1924. Serial No. 717,171. 2 Claims. (Cl. 123—90.)



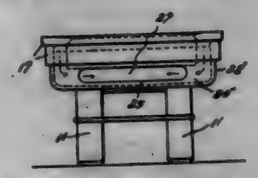
1. In a covering as described for the working mechanism of an overhead valve, a tapered body, having a rocker arm slot cut therein; a hollow cap secured to the tapered body; an oil cup engaging the hollow cap and communicating with the inside thereof; a wick secured in the said hollow cap and communicating with the inside thereof; and a base adapted to engage the bottom of the valve stem spring and having a valve stem aperture pierced therein, secured to the tapered body.

1,543,549. PRESSING MACHINE. HYMAN E. COHEN, New York, N. Y., assignor to United States Hoffman Machinery Corporation, New York, N. Y., a Corporation of Delaware. Filed Jan. 2, 1923. Serial No. 610,259. 8 Claims. (Cl. 68—9.)



8. In a power operated mechanism, the combination of a movable element; power actuated means, including an electric motor for actuating said element; a switch serving to control the flow of current to the motor; means cooperating with the power mechanism for moving the switch; and operator controlled means for arresting the switch and holding it in its open position.

1,543,550. BILLIARD TABLE. ERNEST CORREALE and GIOVANNI CORREALE, West Hoboken, N. J. Filed July 11, 1923. Serial No. 650,884. 1 Claim. (Cl. 273—11.)



In a pocket billiard table, side and corner pockets open at the bottom, longitudinally disposed inclined channeled members secured to the bottom of the table upon each side thereof beneath the pockets and a channeled member secured transversely beneath and within the marginal edge of one end of the table and having its opposite ends in communication with the lower ends of the side channeled members and said transversely channeled member having an opening in one side thereof.

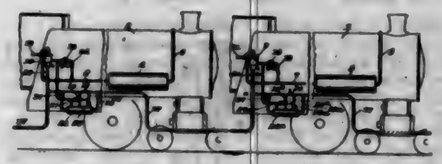
1,543,551. SAFETY-BRACKET FOR LADDERS. EDWARD E. COUCHE and FRED E. COOK, Youngstown, Ohio. Filed Nov. 10, 1924. Serial No. 749,052. 1 Claim. (Cl. 228—60.)

A ladder attachment comprising a body strip provided at its ends with angularly disposed extensions and having pointed prongs located between the ends of the said extensions and at the outer edges thereof, the body strip being further provided adjacent the angular extensions with longitudinally disposed slots, hook bolts having their shanks passing through the slots and



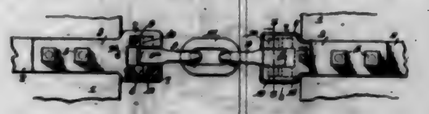
their bill ends disposed opposite the intermediate portions of the extensions, and means for securing the hook bolts with relation to the body strip.

1,543,552. PUMP-CONTROL VALVE FOR LOCOMOTIVE TRAIN LINES. WILLIAM COULSON, Mechanicville, N. Y. Filed Oct. 3, 1924. Serial No. 741,485. 4 Claims. (Cl. 303—14.)



1. A plurality of locomotives each having a compressed air reservoir, a brake valve, and a common train line; the combination of a cylinder on each locomotive, a high pressure pipe connecting the cylinder to the train line, a feed pipe connecting the respective reservoir to the cylinder, a mid-pipe connecting the cylinder to the train pipe, and means operable in each cylinder by air initially supplied to the feed pipes by the leading locomotive reservoir to place the feed and mid-pipes in communication thus causing the respective reservoirs to contribute to the train line air supply.

1,543,553. CAR COUPLING. JOHN C. COX and JOHN C. ALDRIDGE, Centralia, Ill. Filed May 19, 1923. Serial No. 640,178. 1 Claim. (Cl. 213—182.)



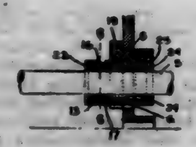
In a car coupling of the character described, a connecting member having one end formed to provide means for connection with a draw bar and having its other end enlarged and provided with a vertical slot to form a bifurcated head having the inner faces of the furcations parallel throughout, said inner faces of the furcations having formed therein grooves of equal width throughout, each describing an arc of approximately one quarter of a circle and extending from the upper surface of the head adjacent the rear of the furcations, downwardly and forwardly in the face thereof, and a broad, flat connecting member having laterally extending pins upon the longitudinal center of each side thereof, said member fitting snugly between said parallel faces to prevent side movement of the member and said pins adapted to be so pocketed in said grooves as to be completely covered by the overlying walls thereof.

1,543,554. PROCESS FOR APPLYING BOTTLE-CAP REMOVERS. CHARLES M. DANNER, Hagerstown, Md., assignor of one-half to Charles E. Rupp, Hagerstown, Md. Original application filed Feb. 21, 1923, Serial No. 620,431. Divided and this application filed May 2, 1925. Serial No. 636,145. 1 Claim. (Cl. 140—93.)



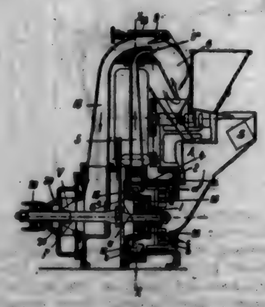
The herein described process of applying a remover having securing ends which are oppositely and angularly disposed to a cap, which consists in pressing said ends through one side of said cap to operatively engage the opposite side thereof.

1,543,555. ROCKER-SHAFT BEARING FOR LOOMS. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 27, 1923. Serial No. 682,938. 8 Claims. (Cl. 308—21.)



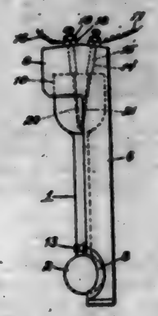
1. In a loom, a frame member, a lay rocker shaft, a bearing sleeve fitted upon the lay rocker shaft and having a series of radial threaded holes, a set screw fitting said holes and acting to lock the sleeve to the shaft and permit rotary adjustment of the sleeve on the shaft, and an elongated open end housing secured to the frame having a cylindrical bearing recess for the bearing sleeve and a transverse opening through the top into the recess to provide access to the screw and permit rotary adjustment of the sleeve.

1,543,556. COMBINED CRUSHING, PULVERIZING, AND SEPARATING MACHINE. EMILE DENIS, Billancourt, and FREDERICK HIFFERT, Paris, France. Filed Jan. 16, 1924. Serial No. 686,642. 2 Claims. (Cl. 83—11.)



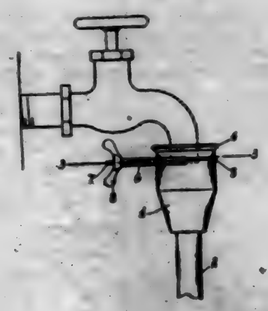
1. A device of the character described, including in combination, a crusher shaft, crusher means associated with said shaft, a hopper adapted to axially feed material to be crushed to said crusher means, a discharge passageway adapted to receive crushed material, a fan concentric with said crusher shaft, an air duct supplying air to said fan, said duct intercepting the discharge passageway for the crushed material.

1,543,557. THERMOSTATIC CIRCUIT CLOSER. ARILIO M. DE SILVA GREAVES, Cambridge, Mass. Filed Jan. 17, 1922. Serial No. 529,865. 3 Claims. (Cl. 200—141.)



1. A thermostatic circuit closer comprising an expansion chamber normally open at its top, a relatively contracted mercury column tube communicating with the bottom of said chamber, a support for the chamber and tube comprising a body having in its face a seat groove receiving the tube and having a recessed head portion receiving and closing the normally open top of the chamber, said head portion having a part jutting outwardly beyond the expansion chamber and face of the support body, and circuit closing contacts extending downwardly through the head portion of the support and into the expansion chamber.

1,543,558. HOSE CONNECTION FOR FAUCETS. WILLIAM GUSTAV DONALD, Oakland, Calif., assignor to Sanitary Drain Flusher, Inc., a Corporation of Delaware. Filed May 2, 1921. Serial No. 466,176. 3 Claims. (Cl. 285—82.)
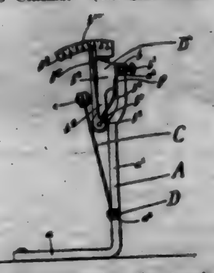


1. In a universal faucet connector of the character described, a sleeve including a cylindrical body of soft elastic material provided with a faucet receiving depression of inverted frusto-conical shape extending from its upper end, an outlet member extending from the lower end of the body, the surrounding wall of the body being of comparatively great thickness and increasing in thickness downwardly, a clamping member mounted about the body and adjustable axially thereof, said member being disposed at right angles to the axis of the body, and means for varying the effective length of the clamping member for compressing said body radially thereof.

1,543,559. FILLER FOR THE CLAMPED ENDS OF BELTS. WALTER W. DONNELLY, Fort Worth, Tex. Filed Apr. 15, 1925. Serial No. 23,341. 3 Claims. (Cl. 24—37.)



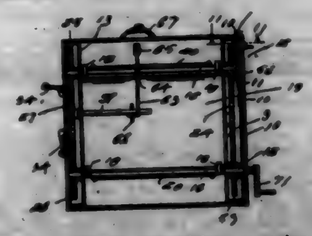
1. A filler for the clamped ends of belts, comprising a body member of vulcanized fabric having the inner end enlarged and curved to conform to the curvature of the belt and having the outer surface shaped to conform to the curvature of pulleys and a rubber filler embedded in the inner end of said body approximately triangular in shape.

1,543,560. SPRING-TENSION REGULATOR. WALTER EBERHARDT, Cincinnati, Ohio, assignor to The Herschede Hall Clock Company, Cincinnati, Ohio, a Corporation of Ohio. Filed June 23, 1920. Serial No. 391,204. 9 Claims. (Cl. 265—19.)



1. In a device for measuring the tension of springs, the combination with a frame adapted to have a spring to be measured mounted thereon, of an indicator device comprising an indicator plate, an indicator arm adapted to register with the plate and to be engaged by said spring mounted on the frame, and means adapted to yieldingly resist pressure upon the indicator arm.

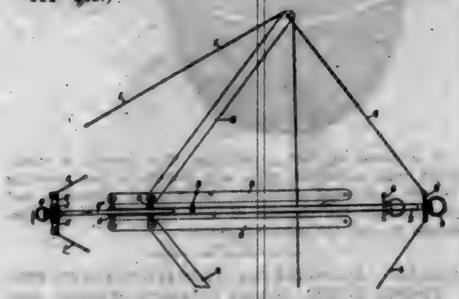
1,543,561. STATION INDICATOR. HARRY B. EHRENFELD, Baltimore, Md. Filed May 27, 1924. Serial No. 716,284. 1 Claim. (Cl. 40—93.)



A station indicator comprising a casing having a sight opening, frames secured within the ends of the casing, stub shafts journaled in said frames and having reduced ends, apron shafts having reduced ends engaging the reduced ends of the stub shafts, U-shaped clamps detachably connecting the reduced ends of said shafts, an apron bearing characters carried by said apron shafts and movable from one of said last named shafts to the other in rear of the sight opening, trains of gears connecting the stub shafts and located within the frames, a drive gear in the casing, reversing gears rotatably and slidably mounted in one of the frames

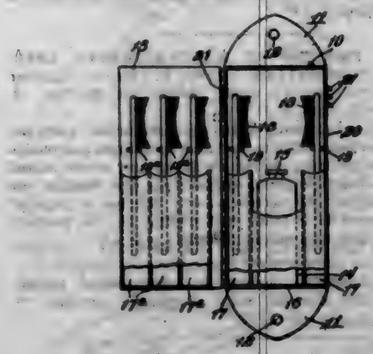
and adapted to connect the gears of one of the trains to the drive gear, means for controlling the reversing gears, and a reversible ratchet mechanism associated with one of the stub shafts to prevent reverse operation of the device when operating in either direction.

1,543,562. SEA ANCHOR. IVAN RUPERT FLEMING, Ainsdale, England. Filed Jan. 3, 1924. Serial No. 684,238. Renewed Apr. 28, 1925. 2 Claims. (Cl. 114—209.)



1. A sea anchor including a hollow stem, a plurality of arms pivotally connected at one end to the stem, a canvas body having one edge connected to the outer ends of said arms, a rod slidable in the stem and forming a continuation thereof when extended, a disc secured upon the rod and formed with openings, the remaining edge of the body being connected to the peripheral edge of said disc, and guy ropes extending from the free ends of the arms to the forward end of the stem.

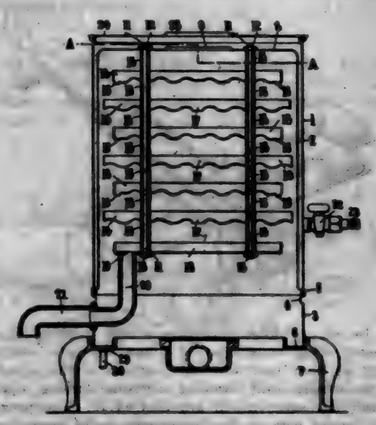
1,543,563. CABINET. MARIAN A. GARRIS, Spokane, Wash. Filed Mar. 11, 1924. Serial No. 698,492. 2 Claims. (Cl. 132—84.)



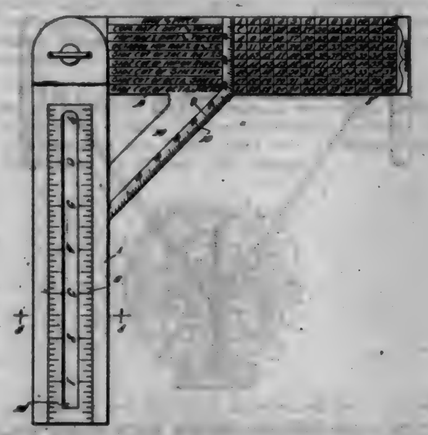
1. In a device of the class described, a rectangular cabinet having a door hinged along one side thereof, the inner wall of the cabinet being provided with sockets, the door of the cabinet being provided upon its inner surface with similar sockets, the lower ends of the sockets of the door being exposed and in alignment with the bottom of the cabinet when the door is closed, each of said sockets having an opening in the bottom thereof.

1,543,564. GEYSER. ALFRED H. GAUSDEN, Croydon, England. Filed Nov. 18, 1924. Serial No. 750,628. 3 Claims. (Cl. 126—355.)

1. A geyser comprising a base supporting a burner, a casing having a double lateral wall removably seated upon said base, said casing having an inner top wall, and a removable cover forming an outer top wall spaced from said inner top wall, rods removably suspended from said inner top wall, said rods being accessible for removal, by removing said cover, a series of superposed water pans carried by said rods, said casing being provided with a water outlet positioned to permit a flow of water from said casing into the uppermost of said pans, the latter being apertured to permit the flow of water from one pan to another.

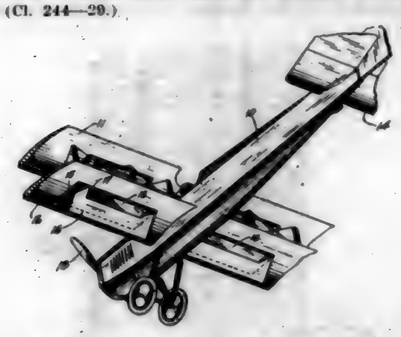


1,543,565. SQUARE. ROY A. GERMAN and ALBERT C. ERNST, Waco, Tex. Filed Apr. 17, 1922. Serial No. 553,904. 1 Claim. (Cl. 33—75.)



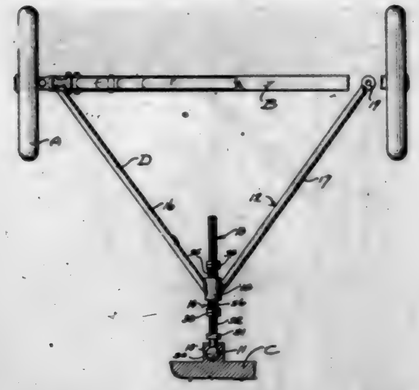
In a device of the class described, a slotted stock having straight edges, a blade received in the slot of the stock and pivotally clamped thereto, said blade having an extension substantially in the form of a right angle triangle, the outer portion of which being straight and parallel with the blade, said extension being provided on its outer edges with degree marks and the blade having similar degree marks, and said marks designed to register with the edge of the stock when the blade is swung through the stock, said extension having spaced apertures therethrough, one edge of its outer member provided with substantially V-shaped notches and a scale whose division marks register with the notches.

1,543,566. AEROPLANE BRAKE. JOHN C. HARRIS and CLARENCE N. MAYFIELD, Richland Center, Wis. Filed Nov. 23, 1923. Serial No. 676,592. 7 Claims. (Cl. 244—29.)



1. In an aeroplane having wings, braking ailerons for each wing consisting of plane surfaces which are hinged at their rear and end portions to the under side of the wings, said braking ailerons having openings through the same, which are located in close proximity to the under side of the wings when said braking ailerons are out of line with the under side of the wings, and secondary ailerons hinged to the braking ailerons to swing in an opposite direction from the same when not overlying the openings between the wings and braking ailerons.

1,543,567. RADIUS ROD FOR AUTOMOTIVE VEHICLES. CHARLES B. HIBBS, Newport, N. C. Filed May 2, 1922. Serial No. 557,823. 2 Claims. (Cl. 267—67.)



1. In combination with an axis and a support, a bolt member pivotally connected at an end thereof to said support and being screw threaded inwardly from its opposite end, a radius rod connected to said axle and having a sleeve at the opposite end thereof provided with a passageway therethrough adapted to slidably and loosely receive the screw threaded portion of said bolt, said sleeve passageway inwardly from the opposite ends of said sleeve being enlarged to provide annular seats facing toward the opposite ends of said sleeve, nuts in threaded engagement with said bolt at opposite ends of said sleeve, and spiral compression springs about said bolt at opposite ends of said sleeve the end portions of said springs seating within the passageway of said sleeve against the seats in said sleeve, said springs being under compression between their seats and said nuts.

1,543,568. HAND DIP NET. THOMAS ANDERSON HOWARD, Murray, Utah. Filed Aug. 26, 1924. Serial No. 734,276. 4 Claim. (Cl. 43—11.)



2. A hand dip net, consisting of a handle, a channeled ring connected with said handle, a net securing member connected with said handle and concealed and protected by the channel of said ring, and a net connected to said net securing member.

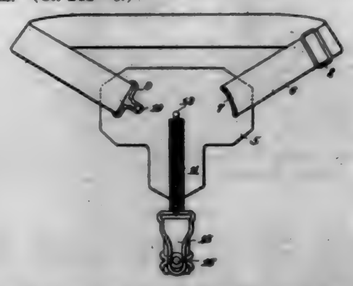
1,543,569. AMINOALKYLAMINONAPHTHALENE SULPHONIC ACIDS. JOHANN HUISMANN, Wiesdorf, near Cologne, WALTER DUISBERG, Leverkusen, near Cologne, and WINFRIED HENTRICH and LUDWIG ZEH, Wiesdorf, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y., a Corporation of Delaware. Filed Mar. 6, 1925. Serial No. 13,610. 6 Claims. (Cl. 260—129.)

5. As new products the ω-aminoalkylaminonaphthalene sulphonic acids which can be obtained by acting with aliphatic diamines in presence of soluble salts of sulfurous acid upon naphthalene sulphonic acids having at least one of the reactive groups amino and hydroxyl, which ω-amino-alkylamino-naphthalene sulphonic acids are whitish powders generally difficultly soluble in water, form alkali metal salts, are soluble in dilute mineral acids and form characteristic, crystalline and colored nitroso compounds.

1,543,570. PROCESS OF MANUFACTURING ARTIFICIAL TURPENTINE. JOSÉ B. ILLAS, Habana, Cuba. Filed Feb. 24, 1923. Serial No. 621,096. 3 Claims. (Cl. 134—56.)

1. An improved process of manufacturing artificial turpentine, which consists in treating refined petroleum with calcium carbide, adding an alkali and water acidulated with muriatic acid, permitting the mixture to rest, drawing off the petroleum and filtering it, repeating these operations twice and adding to the product the second time and before filtering, pine oil.

1,543,571. GARTER. DANIEL B. JACOBS, Swan Valley, Idaho. Filed Mar. 26, 1924. Serial No. 702,091. 1 Claim. (Cl. 241—6.)



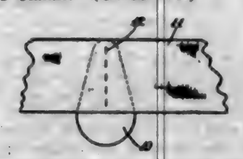
A garter comprising a pad provided with a stud, an inelastic leg band having one end permanently secured to the pad and its other end detachably secured thereto, a spring having one end detachably engaged with the stud of the pad, a link having a transverse slot at its upper end to the upper member of which slot the lower end of the spring is secured, and a strap of inelastic material secured to the lower member of the slot of the link and having a stud at its lower end with which the link engages.

1,543,572. WATER WAVING COMB. EMMA C. JOYCE, Richmond Hill, N. Y. Filed Nov. 1, 1924. Serial No. 747,205. 2 Claims. (Cl. 132—38.)



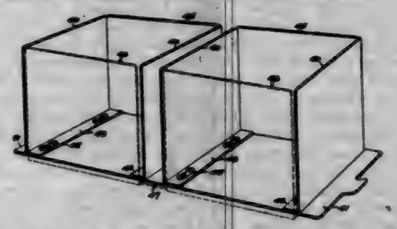
1. In a device of the class described, the combination of a comb body having teeth projecting therefrom, a resilient clamping bar, said body having upwardly extending, hooked ends adapted to engage the ends of the clamping bar when positioned in the hair.

1,543,573. ARCH BRACE. GEORGE H. JUNG, Jr., Cincinnati, Ohio. Filed Nov. 13, 1924. Serial No. 749,802. 3 Claims. (Cl. 36—71.)



1. An arch brace of the class described comprising an elastic band and a pad carried by the band and secured thereto along a single line extending transversely of the elastic band and substantially centrally of the pad.

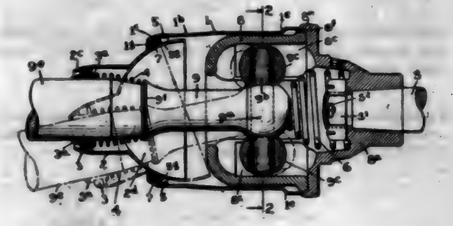
1,543,574. FILLING AND EMPTYING DEVICE. MORRIS KASSER, San Francisco, Calif. Filed Dec. 12, 1923. Serial No. 680,126. 14 Claims. (Cl. 226—18.)



1. In a device of the character described, a container adapted to fit telescopically closely within a space, said container having sides adjustable to fit into non-rectangular spaces, and at least a portion of the walls being removable.

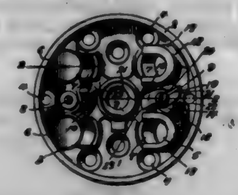
12. The method of transferring articles from a four sided container having substantially flat walls that deviate substantially from rectangular relation, which comprises inserting flexible sheets individually between each of the walls and the articles in the container, so that they extend substantially to the bottom of the container, covering the top of the container, reversing the container, and removing the container.

1,543,575. HOUSING FOR UNIVERSAL JOINTS. FLOYD F. KISHLINE, Detroit, Mich., assignor to John B. Flick, Detroit, Mich. Filed Mar. 30, 1923. Serial No. 628,811. 7 Claims. (Cl. 64—89.)



6. In combination with a universal joint having a hollow casing, a shaft entering the hollow casing and a universal connection between the inner end of the shaft and the casing; of a metallic housing or boot comprising a housing member fixedly attached to the hollow casing; and having a contracted outer end; a second housing member loosely surrounding the shaft and having a partially globular inner end entering the outer end of the first housing member, and a washer in the first housing member engaging the exterior of the parti-globular portion of the second housing member; said second member also having its outer end formed to slidably engage an opposed slidable member on the shaft, said slidable member on the shaft being a washer having an exterior partiglobular surface to slidably engage the opposed outer end of the second member of the casing; and a spring for normally forcing the washer outward, substantially as described.

1,543,576. OUTLET BOX. HOMER G. KNODERER, Englewood, N. J., assignor to General Electric Company, a Corporation of New York. Filed May 2, 1923. Serial No. 636,240. 6 Claims. (Cl. 247—25.)

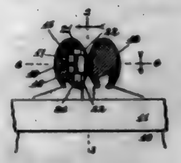


1. An outlet box having an aperture for the reception of a conductor conduit or cable, a helical cam adjacent said aperture, a locking dog for engaging said conduit or cable, and means upon which said dog is pivoted operating to actuate it rotatably along the helical cam.

1,543,577. LATCH FOR THE FRAME JAWS OF PURSES, HAND BAGS, OR THE LIKE. EDMOND KUHN, New York, N. Y. Filed June 10, 1924. Serial No. 719,182. 3 Claims. (Cl. 292—75.)

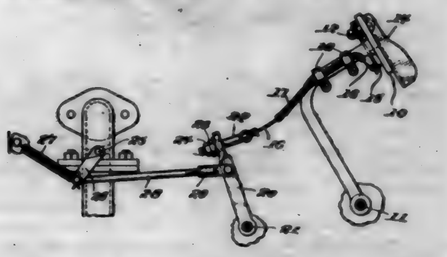
1. In a latch for the hingedly connected frame jaws of purses, handbags, or the like, of the type which include a pair of knobs rigidly carried by the frame jaws and in which said knobs are disposed in alignment with each other when the jaws are closed, one of said knobs having a keeper recess in its confronting face, the other

of said knobs having a socket in its confronting face, a latching roller mounted in said socket, means for normally projecting the roller from the socket for latching



engagement within the keeper recess of the other knob, and means for limiting the projection of the roller from said socket.

1,543,578. ACCELERATOR. PAUL C. LABARRE, New Orleans, La. Filed Oct. 31, 1923. Serial No. 671,981. 2 Claims. (Cl. 74—81.)



1. In a device of the class described, a pedal, an arm connected with the pedal and movable by the foot of an operator, without operating the pedal or removing the foot from the latter, said arm extending above and below the pedal and around an edge thereof, a pivot passing through the upper and lower portion of the arm and through the pedal, a pivoted lever, means connected with the arm for moving the lever in one direction, a rod movable with the lever, a valve and valve lever controlled by the rod, and a spring connected with the valve lever for holding the valve normally closed.

1,543,579. DENTAL HOT-AIR-SYRINGE OUTLET. WILLIAM J. LAUBS, Argyle, Minn. Filed Oct. 3, 1921. Serial No. 505,079. 1 Claim. (Cl. 128—257.)

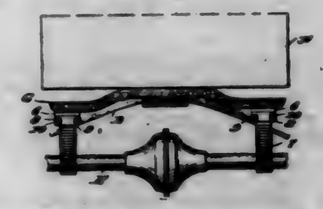


An outlet means for dental hot air syringes comprising a tube a relatively small hot air point mounted on said tube and having a hollow substantially conical portion, the longitudinal axis of said hot air point being perpendicular to the longitudinal axis of the tube, said tube being of substantially non-heat-conducting material and adapted for insertion into the patient's mouth, said tube having a nipple at one end integral with it for connection with a means of hot air supply, said point having an elbow integral therewith and extending from the base of said point and of less diameter than said base and exteriorly and detachably connected to the other end of the tube on a plane intersecting said base, whereby the tube only may contact with the mouth through movement of the patient, the outer surface of said nozzle and said tube being flush at their joints, and the tube being tapered with said joint forming the frustum.

1,543,580. METHOD OF CASTING PRINTING SLUGS. JAMES LEWIS, Ottawa, Ontario, Canada. Filed Mar. 11, 1925. Serial No. 14,780. 4 Claims. (Cl. 101—401.2.)

1. The method of casting printing slugs and the like consisting in making a zinc etching, making an intaglio impression in a suitable metal with the etching, and untilizing said impression as a matrix for the casting of printing slugs.

1,543,581. SNUBBING DEVICE. ROYAL S. LEWIS, Yakima, Wash. Filed Apr. 1, 1924. Serial No. 703,498. 3 Claims. (Cl. 267—30.)



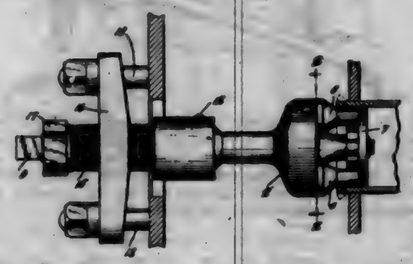
1. A snubbing unit comprising a bracket, means for securing said bracket rigidly to an automobile body over an axle of the automobile chassis, in combination with an open rubber snubbing loop extending under the axle, clamping means for anchoring one end of said loop to said bracket, an independent non-piercing clamping means for anchoring the other end of said loops to said bracket and for permitting the independent freeing and adjustment of said latter end portion through the clamping means to take up slack and adjust the tension of the loop without disturbing the clamping means for the former end portion of said loop.

1,543,582. OUTING SUIT. FRANCES WOODS MACKAY, Norwalk, Conn. Filed Mar. 31, 1922. Serial No. 548,341. 5 Claims. (Cl. 2—228.)



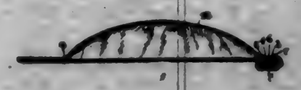
4. Outing trousers having a gusset therein at the bottom of the legs, a series of fastening hooks at opposite sides of each of the gussets, lacing elements adapted to engage said hooks, a flap secured to each leg along a vertical line at one side of said gusset, the upper end of the flap being free, means to fasten the opposite side edge of the flap to the trousers leg at the other side of the gusset, and an arch strap secured to said flaps at about the middle of the lower edge thereof.

1,543,583. TOOL. RALPH L. MASON, Tacoma, Wash. Filed Apr. 26, 1924. Serial No. 709,292. 1 Claim. (Cl. 153—81.)



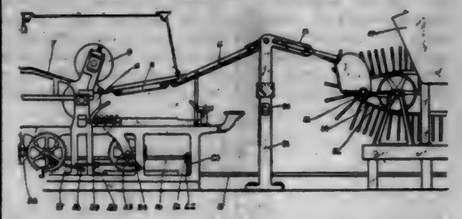
A tool for belling tubes in boilers and the like comprising a shank, a head, cone-shaped rollers carried by the head for engaging the ends of tubes, a threaded sleeve through which the shank passes, a thrust member rotatably mounted on the shank and engaged by the sleeve, anti-friction means between the thrust member and the shank and a supporting member having a threaded hole therein for receiving the sleeve with means for fastening the member to a part of the boiler.

1,543,584. APRON. JACOB MENGER, Greenville, Ohio, assignor to The Allied Belting Company, Greenville, Ohio, a Corporation of Ohio. Filed July 25, 1923. Serial No. 653,680. 1 Claim. (Cl. 2—51.)



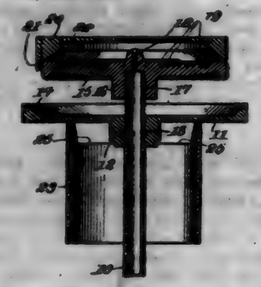
An apron comprising a single length of flexible material bent upon itself at a point between its transverse center and its lower end to provide a body portion and an upturned fold overlapping the outer face of the lower part of said body portion to form a pocket, said fold of a length to project from each side of that part of the body portion which it opposes, said body portion having each side marginal part thereof inturned from end to end, said fold having each side marginal part thereof inturned, the inturned parts of said fold of a length to overlap and completely inclose and further having the edges thereof flush with the edges of the inturned parts of said body portion for a portion of the length thereof, spaced extending lengthwise of said body portion and positioned in close proximity to the bends of said inturned marginal parts for securing the inturned marginal parts of the body portion thereto, for securing the body portion and fold together and further for securing the inturned marginal parts of said body portion and fold together, and a neck band extended from the inturned parts of said body portion at the top thereof.

1,543,585. SYNCHRONIZED PRESS AND OVEN CONVEYER. RUDOLPH A. MILLER, Cincinnati, Ohio, assignor to The Heekin Can Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Mar. 24, 1923. Serial No. 627,514. 5 Claims. (Cl. 101—416.)



1. The combination of a press, a conveyer, means for driving the conveyer from the press an auxiliary means for actuating the conveyer upon the press being rendered inoperative and means for simultaneously rendering the press inoperative and the auxiliary means operative.

1,543,586. OIL BURNER. BENJAMIN F. MILLS, Sioux City, Iowa. Filed Nov. 14, 1923. Serial No. 674,730. 1 Claim. (Cl. 158—58.)



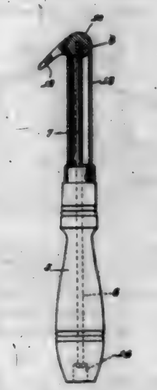
A burner comprising a pipe adapted to have fuel pass therethrough, a priming pan screwed onto the pipe, a disk carried by the pipe above the priming pan and having a central hole communicating with the pipe, the top surface of said disk being formed with concentric grooves for increasing the area and providing oil retaining means, a dished inverted disk mounted above the first named disk, and a sleeve beneath the priming pan having its upper edge formed with openings for the inlet of air.

1,543,587. SAFETY RAZOR. JOHN FRANCIS O'MALLEY, Mamaroneck, N. Y. Filed Mar. 28, 1924. Serial No. 702,635. 4 Claims. (Cl. 30—12.)



1. A safety razor including a flexible double edged blade and holding and clamping means therefor comprising a handle, a guard member rigidly attached thereto and a head having pivotal and slidable connection with the handle to permit of lateral movement in addition to movement in a line parallel to the axis of the handle whereby to effect clamping and unclamping of the blade to associate and disassociate the same with the holding and clamping means.

1,543,588. COMB. ARDEN C. PAGE, Cincinnati, Ohio. Filed Oct. 1, 1924. Serial No. 741,010. 1 Claim. (Cl. 132—14.)



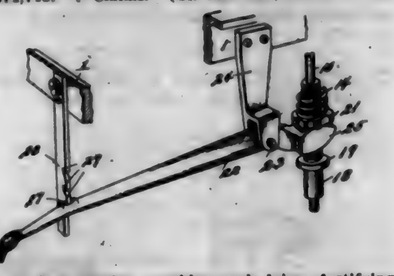
A hair dressing and drying comb comprising a solid body formed from heat conducting material, teeth formed on one side thereof and extending at an angle thereto, a tube extending from the body arranged at right angles thereto, a handle and a bolt passing longitudinally through the handle and tube and engaged with the body.

1,543,589. VALVE-GRINDING TOOL. ALEXANDER M. ALEXANDRESCU, Cleveland, Ohio. Filed Feb. 26, 1925. Serial No. 11,840. 1 Claim. (Cl. 51—29.)



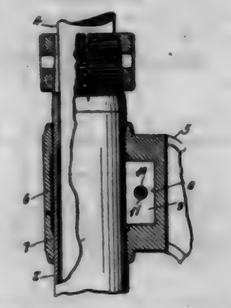
A valve grinding tool comprising a handle, a shank connected thereto, a bit having valve engaging means of various forms extending from its several sides and being pivoted for rotary movement to the shank centrally of said bit, said bit having laterally elongated openings spaced equi-distantly from the axis of rotation of the bit, said bit further having concave side edges at right angles to said slots, said concave edges being spaced equi-distantly to opposite sides of the axis of the bit and corresponding to the distance of the inner walls of said slots from said axis of the bit, and a removable pin fitted through said shank and adapted to engage the walls of either elongated slot in the bit or a concave side thereof.

1,543,590. JUSTIFICATION MEANS FOR LINE-CASTING MACHINES. FRANK E. BARBER, Brooklyn, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed Nov. 14, 1923. Serial No. 674,745. 7 Claims. (Cl. 199—51.)



1. In a line casting machine embodying justifying means for expanding spacers in lines of matrices and spacers, and a spring for actuating such means, of means including a lever extending to, and operable from the front of the machine at the will of the operator, to change the tension of said spring.

1,543,591. WEDGE-BLOCK LOCK FOR SCHOOL DESKS. ROBERT W. BECK, Lewiston, Idaho. Filed Mar. 1, 1924. Serial No. 696,300. 2 Claims. (Cl. 155—82.)



1. In furniture of the character specified, a pedestal, a seat arm having the outer seat-receiving portion branched or T shaped and the inner portion consisting of a solid shank having an opening to receive the pedestal and a lateral opening in communication with the pedestal-receiving opening, a wedge block in the lateral opening, and fastening means for drawing the wedge block into the opening to wedgingly engage the pedestal and secure the seat arm in the required adjusted position.

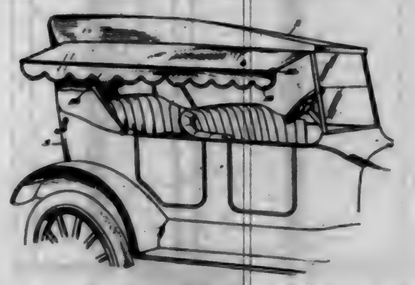
1,543,592. BUTTON CLAMP. WILLIAM BELSKY, New York, N. Y., assignor to Paragon Button Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 12, 1923. Serial No. 674,331. 2 Claims. (Cl. 112—114.)



2. In a button-sewing machine, a button-holding means comprising a foot, and a plurality of spring fingers adapted to overlie the foot and in spaced relation to each other, said spring fingers having depressed portions forming projections adapted to be received within a recess

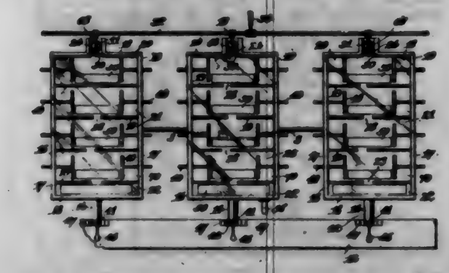
formed in the button between the holes of the button and the periphery thereof to prevent movement of the button relative to the button-holding means during the sewing operation.

1,543,593. AWNING FOR AUTOMOBILES. RICHARD ELLIS BENTLEY, Sherman, Tex. Filed Dec. 21, 1923. Serial No. 682,019. 2 Claims. (Cl. 296—99.)



1. An awning for automobiles comprising an awning body having transversely extending sleeves at the ends thereof, parallel attaching strips depending from the longitudinal edge portions of the awning body intermediate the ends thereof, said attaching strips having series of openings formed therethrough, corresponding openings of the two strips being alined transversely of the awning body, and three separate bracket members attachable at their inner ends to spaced apart bows of an automobile top and having parallel spaced supporting portions extending laterally of a longitudinal edge of the automobile top, the supporting portions of the end bracket members being received in the sleeve portions of the awning body and the supporting portion of the middle bracket extending through alined openings of said attaching strips for supporting the awning body intermediate its ends.

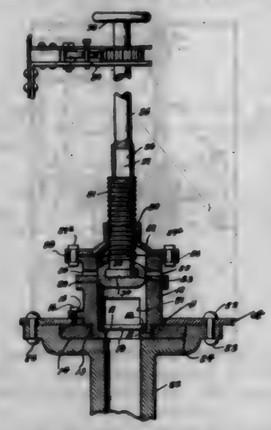
1,543,594. AMUSEMENT APPARATUS. MURRAY T. BERMAN, New York, N. Y. Filed Mar. 14, 1923. Serial No. 625,001. 11 Claims. (Cl. 273—86.)



1. An amusement apparatus comprising balls, inclined ball-races over each of which one of said balls rolls, ball-releasing means for starting the downward roll of all of said balls over said ball-races respectively, ball-manipulating means for manipulating each of said balls after being released by said releasing means as it rolls over its ball-race, and ball-discharging means for discharging all of said balls from said ball-races, when one of the balls has reached the limit of its travel over the ball-race.

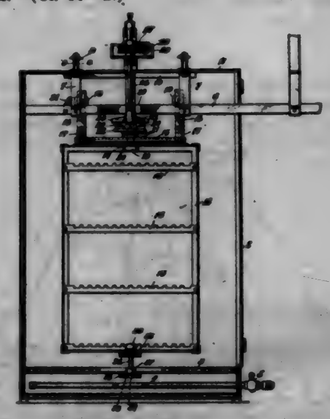
1,543,595. OUTLET VALVE. PHILIP W. BOLTON and WILLIAM N. MINNIHAN, Coffeyville, Kans. Filed Sept. 1, 1923. Serial No. 660,612. 1 Claim. (Cl. 137—21.)

A valve of the class described, in combination with a support, the valve having a casing adapted for snug disposition in an opening of the support, a lug extending integrally from the casing and overlapping the support, a fastening element securing said lug to the support, said casing having a reduced extension integral therewith and provided with exterior screw threads, a nut in engagement with said screw threads and at its upper surface intimately contacting with the shoulder of the casing at the junction of said extension therewith and intimately contacting with and overlapping the opposite face of the support to that engaged by said lug, said extension having an inwardly extending flange integral therewith, a valve seat disposed on said flange, said



casing having an outlet opening through said flange, a discharge nozzle in communication with the casing provided with a recess snugly receiving said extension and said nut, said nozzle about said extension and nut intimately contacting with the under face of the support, means to secure the nozzle to the support, a valve head operable in said casing to engage and disengage said seat, said casing having vent openings and an outwardly extending flange at its upper end, a cap secured to the latter flange, said cap having a sleeve provided with interior screw threads, and an operating stem for said valve head extending through said sleeve.

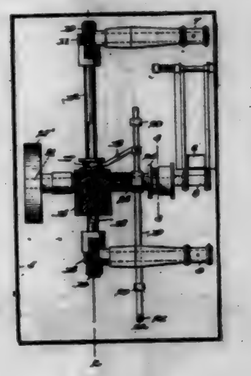
1,543,596. SMOKEHOUSE. JESSE BRAND, New York, N. Y. Filed Jan. 12, 1925. Serial No. 2,027. 9 Claims. (Cl. 99—2.)



1. A smokehouse including a stationary track in the smokehouse having a laterally offset portion, a wheeled carriage suspended from the track, a cage suspended from

the carriage and having rotary mounting, and means projecting into the cage, past the laterally offset portion of the track and adapted to impart rotary motion to the cage.

1,543,507. FRAMING DEVICE FOR MOTION-PICTURE MACHINES. JOHN W. BRAUTIGAM, Bronx, N. Y. Filed Aug. 31, 1922. Serial No. 585,457. 5 Claims. (Cl. 88—17.)



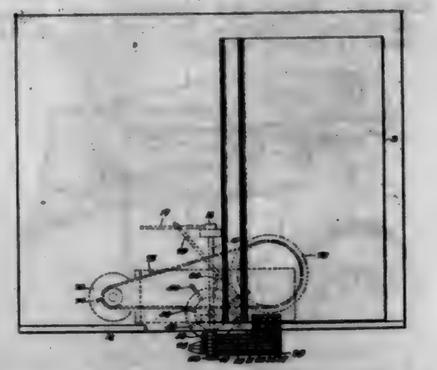
1. In a motion picture machine, means for moving a film intermittently across a frame aperture, said means including a Geneva movement, and means for actuating said movement, the actuating means including co-acting devices mounted upon shafts disposed at right angles to each other, one of the devices being slidable on its shaft and means for changing the relative positions of the devices while operating the same to affect the Geneva movement to cause the film to be shifted with respect to the frame aperture.

1,543,598. FOLDING CHAIR. CALVIN ALLEN BUFFINGTON, Berkshire, N. Y. Continuation of application Serial No. 485,246, filed July 16, 1921. This application filed Nov. 27, 1922. Serial No. 603,452. 20 Claims. (Cl. 155—142.)



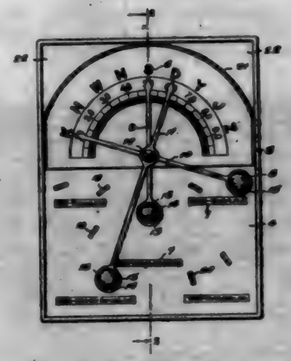
1. The combination in a folding chair, with a main frame having uprights the upper portions of which are reduced to form shoulders and also having an arch connecting the upper reduced portions of the uprights, of an auxiliary arch arranged in parallelism to the upper reduced portions of the uprights and abutting at its ends against the said shoulders and fixedly connected to the uprights.

1,543,599. LEAF TURNER. FRANK R. CHESTER, New York, N. Y. Filed Dec. 27, 1923. Serial No. 683,662. 7 Claims. (Cl. 40—104.)



1. In a leaf turner, a plurality of leaf-turning arms, means for successively operating said leaf-turning arms in one direction, and means for moving all of said leaf-turning arms simultaneously in the opposite direction, said last-mentioned means being automatic in its operation by continued movement of the first-mentioned operating means.

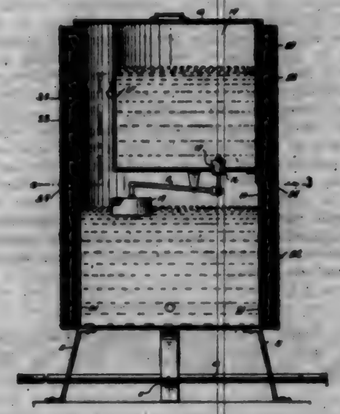
1,543,600. PUZZLE. DWIGHT THEODORE CLARK, East Orange, N. J. Filed Apr. 4, 1923. Serial No. 629,895. 9 Claims. (Cl. 272—115.)



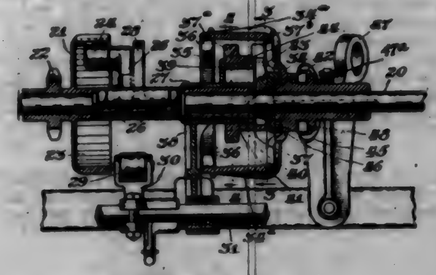
1. In a puzzle, an index including a plurality of characters, a plurality of indicators movable with respect to said index and manipulated by gravity to register each with a predetermined one of said characters, and means to retain each indicator in position after it has been registered with its associated character.

1,543,601. HOG OILER. ELMER R. CLEMENTS, Riverton, Nebr. Filed Apr. 1, 1924. Serial No. 703,435. 4 Claims. (Cl. 119—157.)

1. A hog oiler of the character described comprising a container having perforations, an absorbent layer exterior to the container and with which the perforations communicate, a flexible jacket exterior to the absorbent layer and having apertures, and an outer jacket of reticulated material, the flexible jacket having openings discharging upon this outer jacket.



1,543,602. VARIABLE DRIVE FOR PLANTERS. SAMUEL K. DENNIS, Chicago, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,538. 7 Claims. (Cl. 111—38.)



1. A variable drive device comprising a shaft, a driven wheel on said shaft, said wheel having a laterally offset rim provided with a plurality of equally spaced lugs on its inner side, a rotary driving element within said rim and journaled on an axis eccentric to that of the wheel, a plurality of sets of spaced projections on said driving element, and means for putting any set of said projections into engagement with the lugs on the rim.

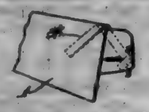
1,543,603. PLANTER DRIVE MECHANISM. SAMUEL K. DENNIS, Chicago, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 30, 1923. Serial No. 635,539. 5 Claims. (Cl. 192—22.)

1. In a check-row planter having intermittent drive mechanism comprising a constantly rotating driving member, an intermittently rotated driven member, and a periodically actuated trip member controlling the intermittent drive; the combination with the driven member of an auxiliary arm, a second trip member movable jointly with said first trip member and positioned in the



plane of rotation of said arm, and means for adjusting said arm to and from a position for engaging said second trip member.

1,543,604. REENFORCED COLLAR. CHARLES A. FISH and HENRY W. FISCH, Los Angeles, Calif. Filed Apr. 5, 1922. Serial No. 630,003. 3 Claims. (Cl. 2—129.)



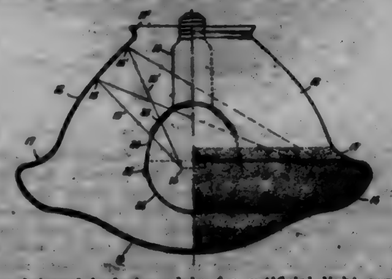
1. In a plural-ply fabric collar adapted to be folded longitudinally, a lineal reenforcement disposed between the plies and extending across the fold upon a bias.

1,543,605. ADVERTISING DEVICE. GEORGE F. GAVARD, Los Angeles, Calif. Filed May 7, 1923. Serial No. 637,265. 10 Claims. (Cl. 40—35.)



1. A display and advertising apparatus comprising, in combination, means for swinging a gang of independent display members through an orbit, pneumatic means for temporarily accelerating the orbital movement of the display members, and an instrumentality disposed in the orbital path of the members for momentarily restraining the members as they are brought to an effective displaying position.

1,543,606. LIGHTING FIXTURE. WARD HARRISON, Cleveland, Ohio, assignor to General Electric Company, a Corporation of New York. Filed Feb. 24, 1920. Serial No. 360,774. 1 Claim. (Cl. 240—100.)



An integral inclosing globe for artificial light sources having its width greater than its depth and comprising a lower portion at least partially reflecting and extending

below said light source, and an upper transparent portion having the contour of a portion of a sphere with its center at the light source extending over said light source.

1,543,607. GREASE CUP. ANDREW KOWALSKY, Oak Park, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed June 19, 1922. Serial No. 569,275. 1 Claim. (Cl. 184—48.)



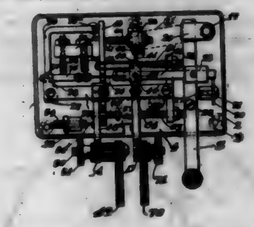
In a grease cup, the combination of a base having an undercut kerf in its edge, a cap threaded on the base, and a length of resilient wire positioned within the edge of the base and extending across said kerf and formed with a bend protruding therethrough and engaging the threads on the cap, the free corners of the kerf being bent inwardly over the wire and the edges of the base being formed with inward indentations at spaced points to retain the wire in position.

1,543,608. METHOD OF MAKING SPIRAL AUGER STEMS, BITS, AND SUBSTITUTES. FOSTER H. LEIDECKER, Marietta, Ohio, assignor to The Leidecker Tool Company, Marietta, Ohio. Filed Aug. 28, 1924. Serial No. 734,713. 1 Claim. (Cl. 76—108.)



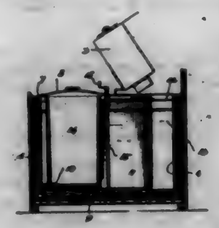
The herein described method of producing spiral auger stems and the like which consist in positioning between relatively movable dies a steel billet having longitudinal wings, intermittently feeding the billet longitudinally between the dies, each longitudinal movement being equal to or less than the length of the die, the billet being held by one of the die members against rotation at the completion of each intermittent movement, and subjecting the wings of the billet to pressure from the dies during pauses between the movements of the billet, thereby to successively twist the wings of the billet progressively from one end to the other thereof.

1,543,609. SEMIAUTOMATIC TELEGRAPH TRANSMITTER. LOUIS C. MCINTOSH, Los Angeles, Calif. Filed May 31, 1921. Serial No. 473,630. 6 Claims. (Cl. 178—82.)



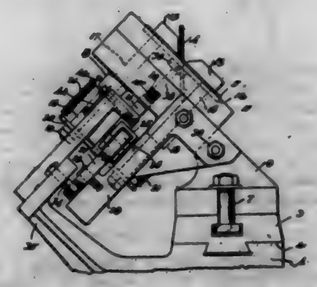
1. In a telegraph transmitter, a primary base, an upper base plate mounted upon the primary base, three posts extending upwardly from the upper base plate substantially in a longitudinal line near the transverse center, a transversely extending abutment piece adjustably secured to the first or right hand post to serve as a brake, a vibrator carrying an adjustable weight forming block and mounted in a transverse plane and in a line parallel with the three posts and with its free end in position to engage the abutment, a light spring connected to the vibrator at the opposite end from the weight, an arm pivotally mounted near the third post in line with the vibrator and solidly connected to the spring, an L-shaped arm rigid with the first arm and at right angles thereto, a yieldable automatically acting dot transmitting contact secured to the vibrator in transverse line with the vibrator pivot, a terminal adjustably mounted in opposition to the contact, a roller at the free end of the L-shaped arm, a combination autodot key lever mounted transversely and engaging the roller and extending forwardly and carrying a finger paddle, an adjustable stop screw mounted through the terminal binding post at right angles to the terminal and engaging the opposite side of the combination autodot key lever from the roller, and a dash contact adjustably mounted to engage the combination lever in front of its pivot and on the same side as the roller, the combination lever being made in two pieces in front of the pivot, the two pieces being yieldingly connected between the dash contact and the pivot.

1,543,610. SODA FOUNTAIN. ROBERT GEORGE MARSH, Detroit, Mich. Filed May 9, 1924. Serial No. 712,173. 3 Claims. (Cl. 225—29.)



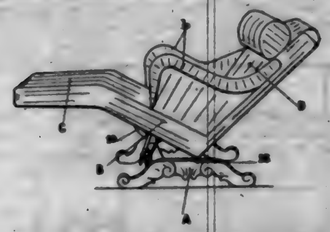
1. The combination of a receptacle for a refrigerant a detachable cover for said receptacle provided with a small opening and a large opening, a rotary holder within the refrigerant receptacle to receive and hold a plurality of ice cream containers, said holder including a rod extending through the small cover opening and adapted to be rotated to bring the containers successively beneath the large opening in the cover.

1,543,611. MILLING-MACHINE ATTACHMENT. GEORGE W. OLSON, Muskegon, Mich. Filed Apr. 14, 1923. Serial No. 632,006. 9 Claims. (Cl. 90—18.)



1. A milling machine attachment comprising a reciprocable work holder adapted to support a piece of work, clamping means for the piece of work actuated in timed relation to the reciprocation of said work holder, and ejecting means actuated in timed relation to the movement of said work holder.

1,543,612. CHAIR. JULES LOUIS ADRIEN PASCAUD, Paris, France. Filed Dec. 27, 1921. Serial No. 525,218. 4 Claims. (Cl. 155—29.)



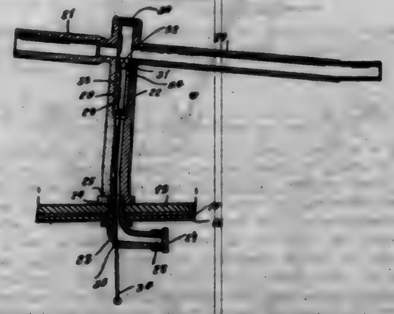
1. A chair of the invalid's chair type for securing maximum repose, comprising, a seat having arms, a back, and a leg rest attached thereto, a supporting pedestal, a pivot rockingly connecting the rear lower edge of the seat to the pedestal, a hand operated screw mechanism for varying the inclination of the seat, an automatic locking device for locking the seat in fixed position, after it has been rotated rearwardly on its axis beyond its point of equilibrium, said screw mechanism including slotted plates attached to the pedestal, a nut having trunnions slidable in the slots of the plates, a threaded shaft having one end received in the nut, and gears connecting the other end of the shaft to the seat.

1,543,613. TRANSMISSION LUBRICATOR. JOHN R. PATTON, Haynesville, La. Filed Dec. 16, 1922. Serial No. 607,434. 5 Claims. (Cl. 184—11.)



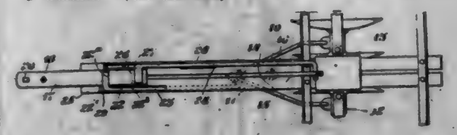
1. A lubricator of the character specified comprising a trough-shaped member having a plurality of delivery openings therein, inclined and depending lips arranged adjacent said openings, another trough-shaped member arranged above the first mentioned member and comprising mating members, and absorbent material secured between the meeting edges of said mating members and arranged to deliver lubricant to the first mentioned member.

1,543,614. OIL-PIPE CLEANER. HOMER O. PENCE, Spring Valley, Wis. Filed May 3, 1924. Serial No. 710,826. 2 Claims. (Cl. 137—70.)



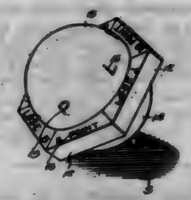
1. An appliance of the class described having a pipe for connection with a conduit, a standard having a bore in communication with said pipe, said standard being adapted for connection to a source of pressure supply, and means operable through movement in the same direction to direct the pressure in a plurality of directions but in a single direction at a time with respect to said pipe, consisting of a tubular member, said member having outlet ports disalined transversely.

1,543,615. DISK-HARROW CONTROL. WALTER R. PETERSON, Park Ridge, Ill., assignor to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Apr. 20, 1923. Serial No. 633,372. 5 Claims. (Cl. 55—83.)



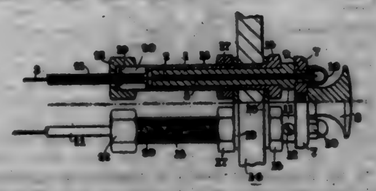
1. An angling device for disk harrows comprising the combination with the frame and disk gangs, of a pair of relatively shiftable draw rods connected at one end to the gangs by means through which a pull on each rod alternately causes the gangs to angle and straighten, and mechanism for shifting said rods comprising a slidable head piece mounted to reciprocate on the frame, and complemental coupling elements on said head piece and the other ends of said rods including means causing automatic engagement of one rod with said head and release of the other, alternately, on successive reciprocations of said head.

1,543,616. GAME APPARATUS. FREDERICK PFEIFFER, Sr., Freeport, N. Y. Filed Oct. 24, 1923. Serial No. 670,589. 5 Claims. (Cl. 273—146.)



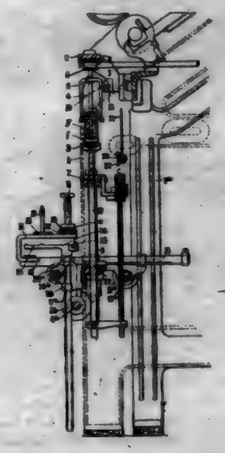
1. A game apparatus comprising a rebounding element having indicia thereon indicative of various values, and means formed on said object adapted to coact with a supporting surface upon which the object comes to rest for displaying individually the indicia thereon.

1,543,617. HEADLIGHT AND THE LIKE. FREDERICK GEORGE PIPER, Winchester, England. Filed Apr. 2, 1924. Serial No. 706,806. 5 Claims. (Cl. 74—89.)



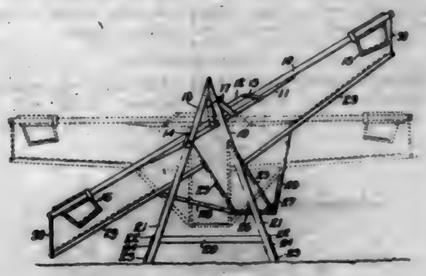
1. A means for adjusting the lamp holder of an anti-dazzle headlight, comprising a wire, a tubular casing therefor, a tubular guide receiving the end of the tubular casing, means cooperating with the guide to clamp the casing in said guide, a push rod slidably mounted in the guide and having an axial bore extending therethrough in which the wire may be moved without interference, means carried by the push rod to clamp the wire in the axial bore of the latter, and means removably connected to the end of the push rod for operating the latter.

1,543,618. SPINNING, TWISTING, AND ANALOGOUS MACHINE. WILLIAM PRINCE-SMITH and DAVID WATERHOUSE, Keighley, England. Filed Sept. 3, 1924. Serial No. 735,637. 10 Claims. (Cl. 118—18.)



1. In spinning, twisting and analogous machines of the kind specified, spindles, two separate lifter-rails apertured to pass onto and from said spindles, each lifter-rail supporting directly a series of bobbins, traversing devices for receiving one of said lifter-rails, each lifter-rail fitting exchangeably upon said traversing devices, two transfer rails in conjunction with which said lifter-rails are manipulated alternately, said transfer rails having pegs thereon spaced coincidently with said spindles over which pegs said apertured lifter-rails are adapted to be passed, and means for manipulating said lifter-rails and said transfer rails into and out of operative position for the purpose of doffing said bobbins.

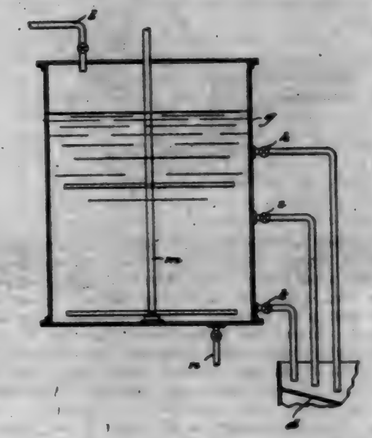
1,543,619. SEESAW. REGINALD C. PRYOR, Houghton, Mich. Filed Mar. 20, 1922. Serial No. 545,190. 5 Claims. (Cl. 272—54.)



1. In an amusement device a supporting structure, a seesaw pivoted thereon and ladder structures leading to the ends of the seesaw and swingingly supported at each end to swing with the same, substantially as set forth.

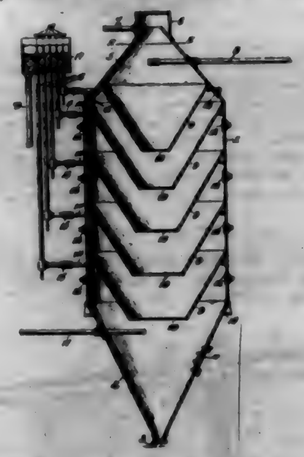
1,543,620. TREATMENT OF HYDROMAGNESITE. WILLIAM STEPNEY RAWSON, London, England. Filed July 24, 1922. Serial No. 575,586. 5 Claims. (Cl. 23—84.)

1. A process of treating hydromagnesite which consists in stirring the crude material with a small proportion of water to form a slurry, then heating the slurry to about the boiling-point, then mixing the hot slurry, while stirring, with cold water at least sufficient to



produce a mixture having a temperature below 75° F., and then separating the heavier particles from the suspension and running the suspension through a sieve.

1,543,621. CANE-JUICE-SETTLING TANK. CHARLES W. RUCKSTUHL, New Orleans, La., assignor of one-half to Leonidas B. Gouner, New Orleans, La. Filed May 8, 1923. Serial No. 637,600. 1 Claim. (Cl. 127—13.)



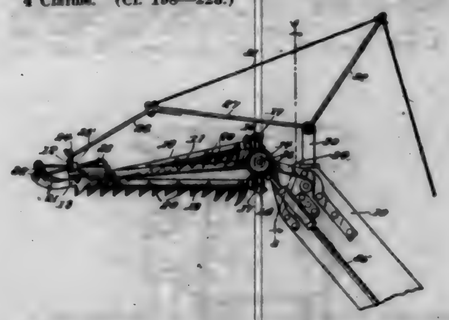
In a settling tank, the combination of a circular casing, a series of funnel-shaped plates arranged one above the other within the casing and connected along their upper edges to the walls of said casing whereby a series of compartments are formed with their bottoms pitched at such an angle as to permit of discharge solely by gravity of solids deposited thereon; said plates being open at their lower ends and having said openings in alinement with each other, the opening of each succeeding plate being slightly larger than that of the preceding plate, vents arranged in each of the compartments, a scum trap mounted on the upper end of the casing and having an overflow pipe therein, a tank arranged adjacent the casing, pipes communicating with the compartment vents and also with the tank, sleeves for vertical adjustment arranged in one end of the pipes for controlling the flow of liquid from the compartments, an inlet pipe mounted above the upper funnel-shaped plate and entering the casing, a mud outlet arranged in the lower end of the casing and a draw-off pipe arranged in the casing adjacent the lower end of the lowermost funnel-shaped plate.

1,543,622. TANDEM DISK HARROW. CHARLES S. SHARP, Auburn, N. Y., assignor to International Harvester Company, a Corporation of New Jersey. Filed Nov. 22, 1918. Serial No. 263,715. 15 Claims. (Cl. 55—83.)



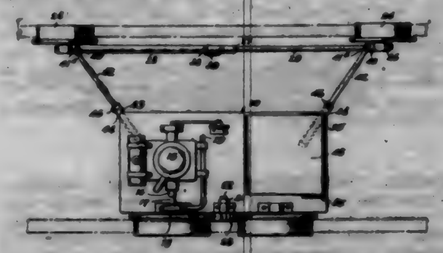
1. In a double harrow, front and rear pairs of angularly adjustable disk gangs, means including a member movable by draft power by which said gangs may be positively straightened when the harrow is backed, and means controllable from a point outside the harrow for positively angling the gangs by a pull on the draft member.

1,543,623. LOAD LEVELER. SUMNER R. SMART, Circle, Mont. Filed Apr. 9, 1924. Serial No. 705,299. 4 Claims. (Cl. 198—223.)



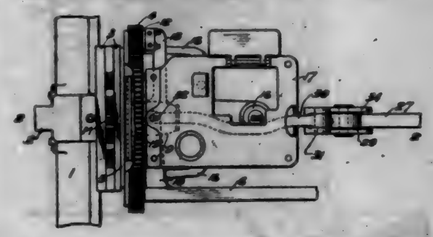
1. The combination with a grain header, of a load leveler comprising a frame, a plurality of pivoted and slidable reciprocatory leveling elements mounted in said frame, means whereby said elements may be reciprocated and means for supporting the leveler in position for use.

1,543,624. RAILWAY HAND CAR. BYRON S. SNOWDEN, Albany, N. Y. Filed Jan. 6, 1925. Serial No. 837. 8 Claims. (Cl. 105—116.)



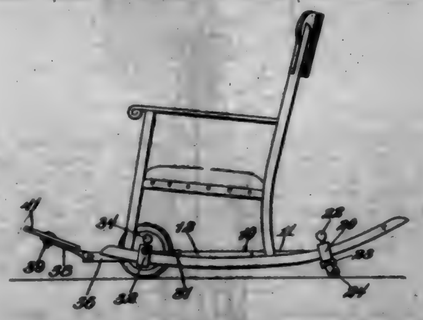
1. A collapsible emergency railway hand car including a platform having rail engaging supporting means at one side thereof for engaging one rail, a pair of flanged wheels for engaging the opposite rail, telescopic means connecting said wheels and telescopic means carried by the platform provided with detachable means of connection with the connecting means between the wheels.

1,543,625. CASTING MECHANISM FOR TYPOGRAPHICAL MACHINES. SAMUEL E. SPERRY, Woodhaven, N. Y., assignor to Intertype Corporation, Brooklyn, N. Y., a Corporation of New York. Filed May 22, 1924. Serial No. 715,198. 14 Claims. (Cl. 199—47.)



1. In a typographical machine of the class described, the combination with means for holding a line of matrices in casting position, of a mold wheel operative to present the face of a mold thereon to the character-bearing face of the line of matrices and supported on a fixed vertical axis which extends transversely of the mold at a point substantially centrally of its length, whereby the mold wheel is prevented from rocking in a vertical plane but is free to rock in either direction about said axis when the mold comes into contact with said face of the line of matrices, to insure intimate contact between the line of matrices and said face of the mold.

1,543,626. ATTACHMENT FOR ROCKING CHAIRS. GEORGE E. STANSBURY, Danville, Ill. Filed Dec. 11, 1924. Serial No. 755,220. 1 Claim. (Cl. 280—35.)

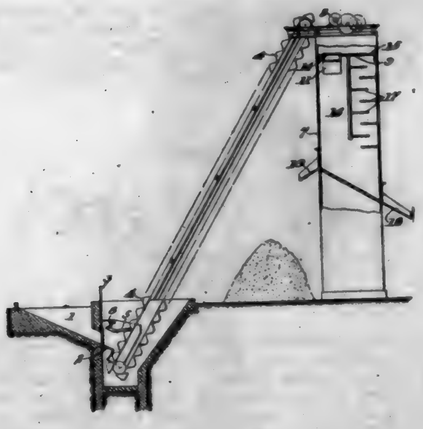


An attachment for rocking chairs comprising front and rear cross bars adjustable as to length and each provided at the ends thereof with clamps for engaging the rockers of the chair, caster wheels carried by the ends of the rear cross bar, wheels carried by the ends of the front cross bar, and side bars connecting said front and rear cross bars and adjustable as to length, bars slidably engaged with said side bars and projecting forwardly therefrom, arms pivoted to the forward ends of the last named bars and a cross member providing a foot rest carried by said arms, the cross member having longitudinally extending slots, said arm having securing elements engaging through said slots and adjustable therein.

1,543,627. COAL-HANDLING PLANT. RUSSEL W. STEM, Bethlehem, Pa. Filed Mar. 18, 1924. Serial No. 699,561. 5 Claims. (Cl. 214—16.)

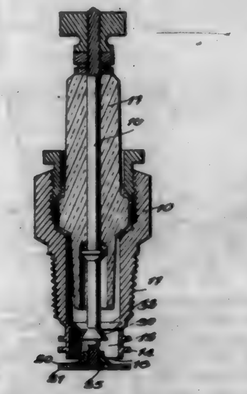
1. In a plant for handling material such as coal, a tower providing an elevated bin of limited capacity, a distributing pocket at the top of said tower, means for

transferring coal from a source of supply to said distributing pocket, a storage chute extending from said pocket, a passage for delivering coal from said pocket



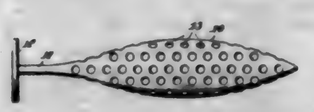
to said bin, means operative to pass coal from said pocket to said bin upon closure of said storage chute, and a chute for delivering coal from said bin to a truck or the like.

1,543,628. SPARK PLUG. ROY LITTRELL STOVER, Oklahoma City, Okla. Filed July 18, 1923. Serial No. 652,396. 2 Claims. (Cl. 123—169.)



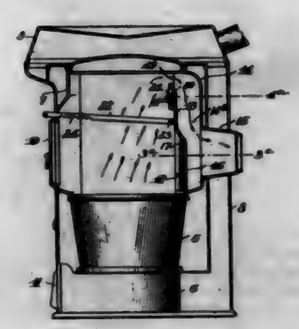
1. A spark plug comprising a shell having a tubular electrode, a stem extending centrally through the shell and having its forward end provided with a combined electrode and concavo-convex baffle, the edge portion of said combined electrode and concavo-convex baffle being provided with a flat annular flange arranged in advance of said tubular electrode and being greater in diameter than the tubular electrode and extending beyond the sides of the tubular electrode to obstruct the free movement of oil into the tubular electrode, the shell being provided at the rear end of said tubular electrode with an internal annular flange having its upper and lower surfaces inclined toward the forward end of the stem.

1,543,629. APPLICATOR. FRANK E. TAYLOR, Broken Bow, Nebr. Filed Aug. 18, 1922. Serial No. 582,709. 1 Claim. (Cl. 128—261.)



An applicator of the character described comprising an elongated solid body tapered from its center toward both ends and curved throughout its length, said body being circular in cross section at every point, the body being furthermore provided with a plurality of recesses distributed throughout its area and arranged in rows with the recesses in one longitudinal row staggered with respect to those in adjacent longitudinal rows, one end of the body being formed with an elongated stem adapted to be gripped by the sphincter muscle for retaining the device in operative position within the rectum, and said stem terminating in a flat button preventing insertion of the device to an excessive distance and also serving as a handle for effecting removal.

1,543,630. HEATING APPARATUS. JOHN A. THOMAS, Rochester, N. Y., assignor to Sill Stove Works, Rochester, N. Y., a Corporation of New York. Filed Feb. 6, 1923. Serial No. 617,351. 4 Claims. (Cl. 126—99.)

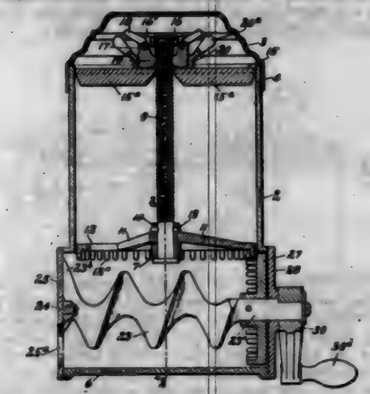


1. A heating apparatus comprising a fire pot, a heating dome above the latter, a smoke flue communicating with said dome adjacent the top and bottom of a side thereof, a regulating deflector plate constructed and movably mounted to either admit the products of combustion from the bottom of said dome to said flue or to deflect the same upwardly through said dome to said flue, and a controller for variably adjusting the position of said deflector plate.

1,543,631. SOAP-DISPENSING DEVICE. FREDERICK TODT, Los Angeles, Calif., assignor to Peerless Soap Company, Los Angeles, Calif., a Corporation of California. Filed Sept. 1, 1922. Serial No. 585,651. 2 Claims. (Cl. 74—40.)

2. A releasable nut comprising a supporting member having a central opening, a hub extending from the supporting member around the opening, segmental screw threaded jaws pivotally mounted in the hub to swing

in radial lines and having handles extending upwardly and outwardly, a ring slidingly mounted for axial movement upon the hub and engaging the jaws so that when



the ring is pressed downwardly the jaws are forced inwardly and locked and when the ring is raised the jaws are released, and means for operating the ring.

1,543,632. APPLIANCE FOR ASSISTING CHILD-BIRTH. FRANCIS LOUIS TRINCA, Caulfield, Victoria, Australia. Filed Dec. 2, 1924. Serial No. 753,511. 3 Claims. (Cl. 128—31.)



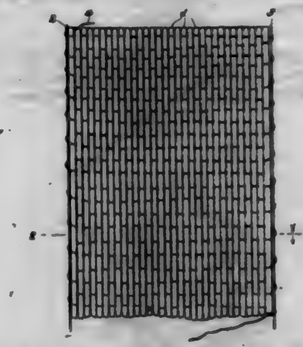
1. An appliance of the character described comprising a vertically mounted bar of spring steel, a bracket adapted to be secured in various positions of vertical adjustment on the bar, a pressure applying member connected to the bracket, and a pulling member connected to the upper end of the vertical bar whereby pressure is applied to the pressure member, substantially as and for the purposes set forth.

1,543,633. NUT LOCK. HENRY J. VAN GELDER and JOHN WARD, Brooklyn, N. Y. Filed July 18, 1924. Serial No. 726,814. 1 Claim. (Cl. 151—19.)



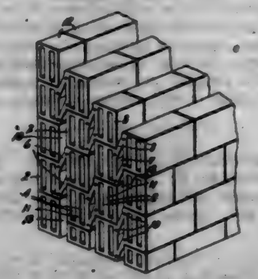
A device of the class described, including a longitudinally slotted member, a slotted adjusting member insertable into the first-named member and capable of being mounted upon a rod to vary the effective length of said rod, and a locking member engageable with said adjusting member and mounted upon the first-named member and operable to compress the slotted portion of said adjusting member into engagement with said rod through the intermediary of the slotted portion of said first-named member.

1,543,634. LUSTROUS FABRIC FOR DECORATIVE PURPOSES. SIDNEY B. WERTHEIMER, Brooklyn, N. Y. Filed Oct. 16, 1924. Serial No. 744,064. 5 Claims. (Cl. 139—420.)



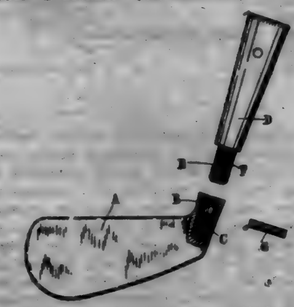
1. A lustrous fabric, which comprises a plurality of flat warp threads of lustrous material, and a woof thread loosely woven therewith so as to bind the warp threads together without materially affecting their luster.

1,543,635. BUILDING BLOCK. GLADYS B. WICKSON, Victoria, British Columbia, Canada. Filed Jan. 24, 1923. Serial No. 614,620. 2 Claims. (Cl. 72—41.)



1. A building block, composed of integral hollow portions connected together by parallel walls extending angularly from the inner edge of the bedding face of one hollow portion to the inner edge of the bedding face of the other portion, said walls retaining a space between them and the adjacent walls of the hollow portions, and a bead projecting from the outer side of each connecting wall adjacent each bedding face.

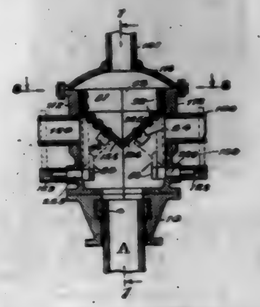
1,543,636. GOLF CLUB. HUGH WILLIAMSON, Bournemouth, England. Filed June 9, 1924. Serial No. 718,951. 2 Claims. (Cl. 273—77.)



1. A golf club head comprising, a blade of forged mild steel, a short neck integral with said blade, said short neck being bored and screw threaded, a shank composed

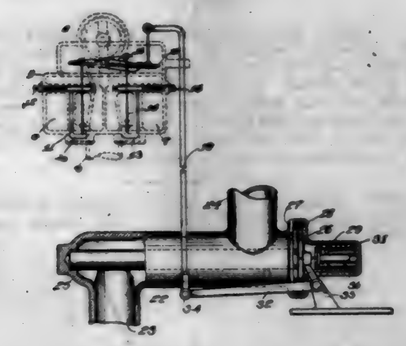
of a suitable alloy of aluminium, said shank being tubular, a spigot formed on said shank, said spigot being screwthreaded and being screwed into said screwthreaded bore of said neck, and means to secure said parts in assembled position.

1,543,637. DEVICE FOR CONTROLLING THE FLOW OF WELLS. JOHN M. WOLL, Kittanning, Pa. Filed Apr. 5, 1923. Serial No. 630,126. 5 Claims. (Cl. 166—13.)



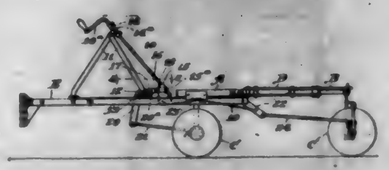
4. A means to control the flow of fluid from a well, said means comprising a body adapted to be applied to a well pipe, a vertical discharge pipe on said body at the top, lateral discharge pipes on the body at opposite sides and valves movable to positions individually closing the branch pipes or to convergent positions jointly cutting off the flow to said vertical discharge pipe.

1,543,638. AUTOMATIC FUEL SWITCH. LEOPOLD F. BUNGAN, Riverside, Ill., assignor to International Harvester Company, a Corporation of New Jersey. Filed Mar. 15, 1920. Serial No. 365,855. 2 Claims. (Cl. 123—127.)



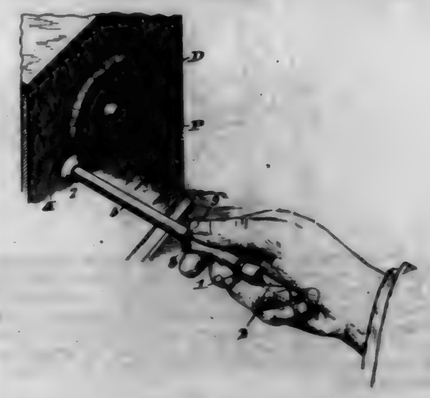
2. In an automatic fuel switch for internal combustion engines, the combination of a carburetor having separate reservoirs for fuels of different specific gravities, a fuel passage leading from each reservoir to a common mixing chamber, valves controlling the respective passages, a rocker arm operatively connected at each end to one of the valves, a lever pivoted at one end to the rocker arm between the connections to the valves, resilient means connected to one end of the rocker arm and to the free end of the lever and means dependent upon temperature conditions in the engine for actuating the lever to open one valve and close the other.

1,543,639. TRACTOR HARROW. SHERMAN W. CADY, Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill., a Corporation of New Jersey. Filed Mar. 1, 1922. Serial No. 540,191. 9 Claims. (Cl. 55—83.)



1. The combination with a disk harrow having front and rear sections and an agularly adjustable disk gang on each section, of means for adjusting the gangs comprising a lever pivoted on the front section, means for shifting the lever, a connection between the lever and one gang including a second lever having an elbow joint connection with said first lever, and a connection between the lever and the other gang including a flexible element.

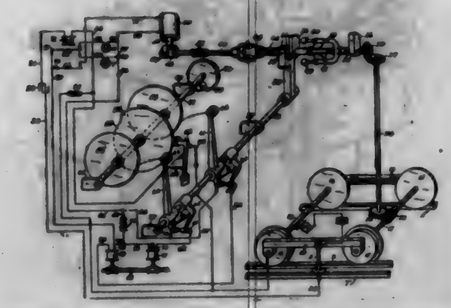
1,543,640. VERNIER-ADJUSTMENT DEVICE. CHARLES D. DE VOSS, Philadelphia, Pa., assignor of one-half to Harry L. Stern, Philadelphia, Pa. Filed Jan. 17, 1924. Serial No. 686,730. 14 Claims. (Cl. 74—7.)



1. In a device of the character described, a frictionally tipped member adapted to grip against a surface contiguous to an element to be actuated, and a member having limited slidable movement upon and rotatable relative to the first mentioned member to actuate the element aforesaid.

1,543,641. AUTOMATIC SPEED-CONTROL SYSTEM FOR RAILWAYS. FRANK L. DODSON, Rochester, N. Y., assignor to General Railway Signal Company, Gates, N. Y., a Corporation of New York. Filed Feb. 2, 1917. Serial No. 146,242. 30 Claims. (Cl. 246—37.)

7. In a system for automatically controlling railway vehicles, in combination: a track divided into blocks; a source of current and a track relay associated with each block; a power conductor extending along the track; means for dividing said power conductor into sections corresponding to said blocks which are electrically independent as regards a signalling current and are electrically continuous as regards propulsion current the divisions of said power conductor being in the rear of the block division; means controlled by said track relays for controlling the supply of signalling current to the sections of said power conductor; and means responsive



to said signalling current for imposing a restriction on the speed of a following vehicle in accordance with its location in the block in the rear of an occupied block and for automatically removing said restriction when the next block in advance becomes unoccupied only if there is no other train ahead in the same block.

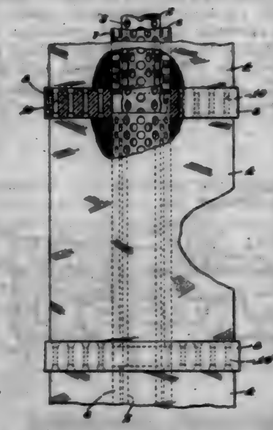
1,543,642. MAILING WRAPPER. HERMAN L. GREVE, Brooklyn, N. Y., assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Filed Jan. 9, 1924. Serial No. 685,142. 5 Claims. (Cl. 229—67.5.)



1. A mailing wrapper for plants comprising a sheet of material adapted to be rolled into cylindrical form and adjustable around the plant, and means attached to said sheet adapted to embrace a portion of the plant and hold it from shifting relative to the wrapper.

1,543,643. APPARATUS FOR PACKAGE DYEING. GEORGE C. GUILD, Clinton, Mass. Filed Oct. 6, 1924. Serial No. 741,702. 5 Claims. (Cl. 8—10.)

4. In apparatus of the class described, a series of packages wound upon suitable supporting centers adapted to permit the circulation of fluid into said packages, yieldable spacing means interposed between said packages



adapted to permit the same to be longitudinally compressed, and means adapted to keep said packages substantially axially aligned.

1,543,644. METHOD OF MAKING BUCKLE FRAMES. ART HADLEY, Providence, R. I., assignor to The Hadley Company, Providence, R. I. Filed Oct. 9, 1924. Serial No. 742,534. 8 Claims. (Cl. 29—3.)



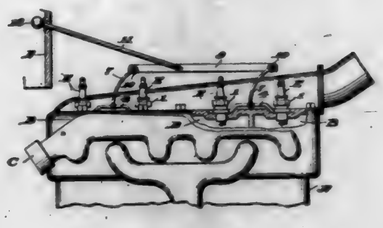
1. The herein described method of making buckle frames which consists in taking a piece of wire, tapering the ends thereof, then bending the wire into U-shape, then in squaring the bends of the wire to sharpen the angles of the corners thereof, then in flattening and shaping the wire by subjecting the opposite side faces thereof to pressure and at the same time forming U-shaped ends of reduced and equal thickness so as to provide readily bendable parts which can be bent to form eyes to receive the ends of the tongue carrying cross-bar of the buckle.

1,543,645. ROAD GRADER. ROBERT C. REDPATH, Olathe, Kans. Filed Sept. 4, 1923. Serial No. 660,739. 2 Claims. (Cl. 37—108.)



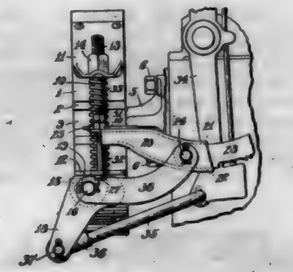
1. In a machine of the character described, the combination of a wheeled-frame, a pair of arms pivotally secured to said wheeled-frame, a drag beam pivotally secured to the ends of said arms, one of said arms being adjustable in length, means for elevating said beam from the roadway, and a vertically-adjustable cutting blade carried by said beam.

1,543,646. CLEANING AND WARMING SYSTEM FOR THE SPARK-PLUGS OF MULTICYLINDER INTERNAL-COMBUSTION ENGINES AND PARTS THEREOF. HARVEY C. SHAMBLIN, Miami, Okla., assignor of two-fifths to himself, two-fifths to Paul E. Bradley, Joplin, Mo.; one-tenth to Richard E. Babcock and one-tenth to William S. Babcock, both of Washington, D. C. Filed Feb. 2, 1925. Serial No. 6,416. 15 Claims. (Cl. 123—169.)



1. In a cleaning and warming system for the spark-plugs of a multi-cylinder internal combustion engine, the combination of spark-plugs respectively mounted in the respective cylinders, each said spark-plug having a perforation through the wall of its shell, with a conduit for forming communication between the interiors of a pair of said spark-plugs to alternately direct blasts of gas under high compression from one of said spark-plugs inwardly through the other spark-plug of such pair.

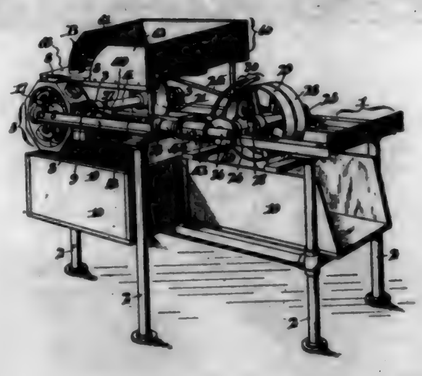
1,543,647. AUTOMOBILE BRAKE. SAMUEL O. WHITE, Muncie, Ind., assignor to Warner Gear Company, Muncie, Ind., a Corporation of Indiana. Filed May 26, 1924. Serial No. 715,939. 9 Claims. (Cl. 188—77.)



1. In an automobile brake, in combination, a brake band, a compression bolt, a cam member operating transversely to the plane of the band co-operating with said bolt to contract the band, and a pivotally mounted arm extending substantially at right angles to the plane of the band connected to said bolt to permit the same to move longitudinally and prevent lateral deflection thereof.

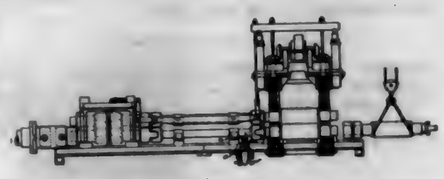
1,543,648. SWAGING MACHINE. WILLIAM R. BARLOW, Trevose, Pa., assignor to Henry A. Dygert, Philadelphia, Pa. Filed Oct. 6, 1923. Serial No. 666,930. 15 Claims. (Cl. 113—1.)

1. In a machine of the character described, the combination of a vertically rotatable support provided with bushing cups having radially slidable holders for the articles being swaged, a swaging die, and means for



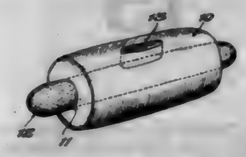
moving the support to successively present the articles to the swaging die.

1,543,649. ROLLING-MILL APPLIANCE. JOHN H. BODE, Bellevue, Pa. Filed Jan. 16, 1922. Serial No. 529,479. 6 Claims. (Cl. 80—1.)



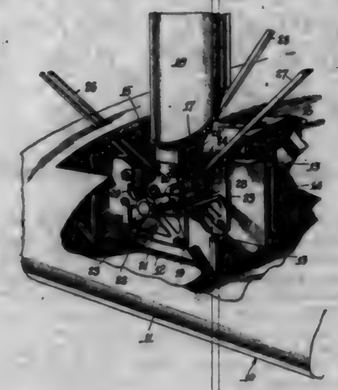
6. A rolling mill having spindles having in combination therewith a frame extending under the spindle of said mill, a bed movably mounted on the frame and provided with seats or bearings for the lower spindle, said parts adapted to support the spindle when in operative position, and means for shifting the bed to move a spindle laterally from and to operative position.

1,543,650. FOOD ARTICLE. GEORGE W. LYONS, New Haven, Conn., assignor, by direct and mesne assignments, to The Lyons Flynn Company, New Haven, Conn., a Corporation of Connecticut. Filed May 15, 1923. Serial No. 639,166. 1 Claim. (Cl. 99—11.)



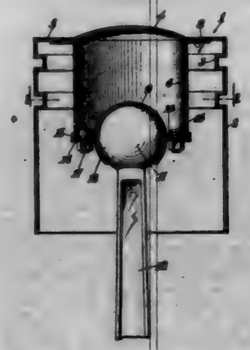
A food article including a baked body of dough having a main opening extending through a wall of the body and having a supplemental opening located between the ends of the body and extending into the main opening, said main opening being formed to receive a filling and the supplemental opening being formed to receive a condiment, the part of the filling in register with the supplemental opening affording a bottom for the latter to support the condiment.

1,543,651. WING-STRUT FASTENING FOR AEROPLANES. HARVEY C. MUMMERT, Hollis, N. Y., assignor, by mesne assignments, to Curtiss Aeroplane and Motor Company Inc., Garden City, N. Y., a Corporation of New York. Filed May 29, 1922. Serial No. 564,857. 7 Claims. (Cl. 244—31.)



3. In an aeroplane, a wing strut, spaced beam members so related one to the other as to provide in effect a continuous beam, a fitting mounted in the space between the beam members, said fitting being fastened to the wing strut, a pin extended across the space between said beam members to provide a fastening for the strut end, and reenforcing plates provided on the opposite faces of the beam members through which said pin extends.

1,543,652. PISTON CONSTRUCTION. FREDERICK R. SUNDERMAN, Newburgh, N. Y., assignor, by mesne assignments, to James D. Lacey, New York, N. Y. Filed Dec. 16, 1921. Serial No. 522,737. 5 Claims. (Cl. 74—108.)



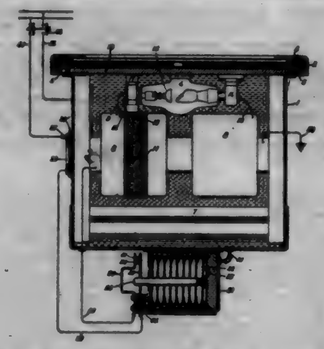
1. A piston construction comprising a shell having a head and skirt, and a flanged housing secured to the under side of said head having an upwardly arched bottom portion to form a thrust bearing for the upper end of the connecting rod, said housing having a cylindrical portion and a flange bearing against and secured to said head, to transmit the thrust.

1,543,653. RESTRAINING BODY BED BRACE. ELIZABETH BAGNOR, Pittsfield, Mass. Filed June 25, 1923. Serial No. 647,529. 1 Claim. (Cl. 128—184.)



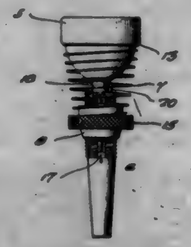
The combination with an elastic body band, side straps adapted to be attached to a bed, and angularly spaced shoulder straps secured to the said elastic body band and to the said side straps.

1,543,654. X-RAY APPARATUS. WILLIAM COOLIDGE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 18, 1922. Serial No. 530,198. 2 Claims. (Cl. 250—84.)



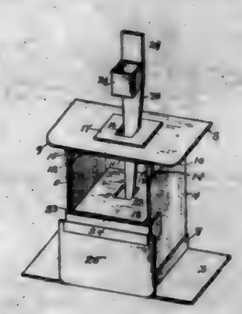
1. An X-ray apparatus comprising a sealed tank, a transformer contained therein, an X-ray tube in said tank connected to said transformer, an insulating liquid completely filling said tank, make and break contacts in circuit with said transformer, means for compensating the cubical capacity of said tank to volume changes of the contained liquid and means operated thereby to open said contacts when the volume exceeds a predetermined value and to close said contacts when the volume becomes less than said value.

1,543,655. MOUTHPIECE FOR MUSICAL INSTRUMENTS. JOSEPH B. NEWMAN, Ravenna, Ky. Filed Jan. 22, 1924. Serial No. 687,804. 2 Claims. (Cl. 84—398.)



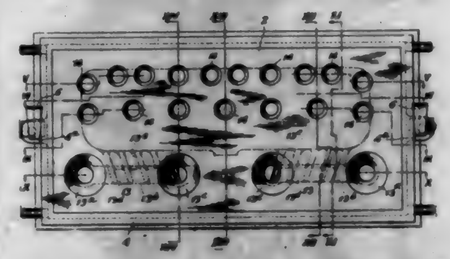
1. A mouth piece comprising a hollow stem provided at its end with a valve head, a nut mounted upon the stem, a cup slidably mounted upon the stem and having an interior surface engageable with the valve head and a cone shaped helical spring interposed between the nut and the cup.

1,543,656. FLAG OR FLOWER STAND. CHARLES STREIB, Hoboken, N. J. Filed Sept. 7, 1921. Serial No. 499,005. 3 Claims. (Cl. 248—88.)



1. A device of the character described comprising bottom, top and intermediate members, a socket upon the bottom member, the top and intermediate members being provided with perforations in line with said socket and a removable and movable member received in said perforations, said removable member being tapered toward its lower end and having a box shaped socket thereon.

1,543,657. MOLD. CHARLES B. BOHN and DANIEL FROWN, Detroit, Mich., assignors, by mesne assignments, to Bohn Aluminum & Brass Corporation, Detroit, Mich., a Corporation of Michigan. Filed Nov. 20, 1922. Serial No. 601,993. 16 Claims. (Cl. 22—134.)



1. A mold for forming chambered castings of low melting point metal, said mold having a cavity with sections forming the bottom walls of the casting (as it lies in the mold), sections forming the top walls of the casting and interconnecting sections extending upward from the bottom wall sections to the top wall sections to form interconnecting parts of the casting, and said mold comprising a drag and a cope which is formed of baked sand and has risers extending upward from the interconnecting sections of the mold cavity.

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CONTENTS.

	Page.
ISSUE OF JUNE 30, 1925	1077
INTERFERENCE NOTICES	1077
APPLICATIONS UNDER EXAMINATION	1078
DECISIONS OF THE U. S. COURTS—	
Sundstrand v. Gubelmann	1079
Dollfus-Mieg et Cie., Societe Anonyme v. Richardson Silk Co.	1080
PATENT SUITS	1080
ADVERSE DECISIONS IN INTERFERENCE	1082
AMENDMENTS TO THE RULES OF PRACTICE	1082
DISPOSITION OF PATENT OFFICE MODELS	1082
TRADE-MARKS PUBLISHED (167 APPLICATIONS)	1083
TRADE-MARK REGISTRATIONS GRANTED	1108
TRADE-MARK REGISTRATIONS RENEWED	1120
LABELS	1121
PRINTS	1122
REISSUES	1125
DESIGNS	1126
PATENTS GRANTED	1126

Issue of June 30, 1925.

Trade-Marks	204—No.	200,196 to No.	200,408, inclusive.
T. M. Renewals	23		
Labels	50—No.	28,861 to No.	28,910, inclusive.
Prints	43—No.	5,085 to No.	5,087, inclusive.
Reissues	3—No.	16,102 to No.	16,104, inclusive.
Designs	53—No.	67,681 to No.	67,787, inclusive.
Patents	824—No.	1,543,656 to No.	1,544,541, inclusive.
Total	1360		

Interference Notices.

U. S. PATENT OFFICE, *Washington, June 20, 1925.*

Phoenix Plumbago Mining Company, its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Stuart Products Co., Inc., 100 Hudson Street, New York, N. Y., and 93 Sherman Avenue, Jersey City, N. J., for registration of a trade-mark and trade-mark registered August 20, 1906, No. 45,980, to Phoenix Plumbago Mining Company, 1712 North Ninth Street, Philadelphia, Pa., and a notice of such declaration sent by registered mail to said Phoenix Plumbago Mining Company at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Phoenix Plumbago Mining Company, its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 20, 1925.*

The heirs, assigns, or legal representatives of Mark Tempest, take notice:

An interference has been declared by this Office between the application of Lillian J. Thompson, 1247 Washington Avenue, Tyrone, Pa., for registration of a trade-mark and trade-mark registered July 20, 1897, No. 20,414, to Mark Tempest, Oineyville, R. I. It prima facie appearing that the registrant is dead, notice is therefore hereby given to the said heirs, assigns, or legal representatives of said Mark Tempest that unless they shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 20, 1925.*

Jacob Beck & Son, Ltd., its assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Reid, Murdoch & Co., 314 North Clark Street, Chicago, Ill., for registration of a trade-mark and trade-mark registered June 30, 1903, No. 40,687, to Jacob Beck & Son, Ltd., 245–249 Congress Street west, Detroit, Mich., and a notice of such declaration sent by registered mail to said Jacob Beck & Son, Ltd., at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said Jacob Beck & Son, Ltd., its assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

WM. A. KINNAN, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 20, 1925.*

William Hunt, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of Fred B. Neuhoff, of 124 West Fourth Street, Los Angeles, Calif., for registration of a trade-mark and trade-mark registered July 23, 1901, No. 36,803, to William Hunt, 2106 Western Avenue, Seattle, Wash., and a notice of such declaration sent by registered mail to said William Hunt at the said address having been returned by the post office as undeliverable, notice is hereby given that unless said William Hunt, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

U. S. PATENT OFFICE, *Washington, June 20, 1925.*

Frederick C. Adams, his assigns or legal representatives, take notice:

An interference having been declared by this Office between the application of The Selig Company, 250 Marietta Street, Atlanta, Ga., for registration of a trade-mark and trade-mark registered November 13, 1906, No. 57,554, to Frederick C. Adams, of 53 River Street, Chicago, Ill., and a notice of such declaration sent by registered mail to said Frederick C. Adams at the said address having been returned by the post-office authorities as undeliverable, notice is hereby given that unless said Frederick C. Adams, his assigns or legal representatives, shall enter an appearance therein within 30 days from the first publication of this order the interference will be proceeded with as in case of default. This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

KARL FENNING, *Acting Commissioner.*

Condition of Applications Under Examination at Close of Business June 19, 1925.

Class Number	(Total number of applications awaiting action, excluding Trade-Mark Division, 43,601: Trade-Mark Division, 2,677. Oldest new case, Dec. 22, 1924; oldest amended, Dec. 24, 1924. The dates given are 1925 except where † indicates 1924.) Divisions, Examiners, and Subjects of Inventions.	Oldest new application and oldest action by applicant awaiting office action: New.	Amended.	No. of cases awaiting action.
116	1. LOEFFLER, F. A., Closure Operators; Fences; Gates; Harrows and Diggers; Plant Husbandry; Plows; Planting; Scattering Unloaders.	Mar. 21	Mar. 27	880
131	2. HADEN, C. F., Bee Culture; Dairy; Preserving; Presses; Tobacco.	Mar. 13	Feb. 26	482
231	3. RICH, WM. J., Electric Heating; Electrochemistry; Heating; Metal Founding; Metallurgical Apparatus; Metallurgy; Metal Treatment; Plastic Metal Working.	Apr. 27	May 6	302
234	4. MERRITT, A. D., Conveyers, Chutes, Slide, Guides, and Ways; Conveyers, Fluid Current; Conveyers, Power Driven; Excavating; Handling—Hand and Hoist-Line Implements; Material or Article Handling; Pushing and Pulling Implements; Traversing Hoists.	Mar. 18	Mar. 17	616
106*	5. MACNAB, J. F., Harvesters; Jewelry; Music; Acoustics; Sound Recording and Reproducing; Tying Cords or Strands.	Jan. 27	Feb. 2	945
318	6. LEWERS, A. M., Bleaching and Dyeing; Chemistry; Chemistry—Carbon Compounds; Explosive, Pyrotechnic, and Match Compositions; Fertilizers; Substance Preparation; Hides, Skins and Leather; Sugar and Starch; Concentrating Evaporators.	Jan. 6	Jan. 26	366
312	7. JARBOE, C. C., Amusement and Exercising Devices; Toys; Optics; Photography.	Feb. 21	Feb. 21	928
133	8. HENRY, C. C., Beds; Chairs and Seats; Furniture; Kitchen and Table Articles; Store Furniture.	Mar. 6	Mar. 6	1,277
221	9. TRYON, F. M., Air and Gas Pumps; Hydraulic Motors; Injectors and Ejectors; Motors, Fluid; Motors, Fluid Current; Pumps.	Mar. 6	Mar. 11	629
118	10. HUNTER, O. F (Acting), Motor Vehicles; Land Vehicles—Animal Draft Appliances, Bodies and Tops, Dumping.	Feb. 18	Feb. 24	947
149*	11. ARMSTRONG, H. C., Boot and Shoe Making; Boots, Shoes, and Leggings; Button, Eyelet, and Rivet Setting; Harness; Leather Manufactures; Nailing and Stapling; Whips and Whip Apparatus; Cutting and Punching Sheets and Bars; Drivers, Headed, and Screw-Threaded Fastenings.	Mar. 20	Mar. 27	774
260	12. PIERCE, P. P., Machine Elements.	Feb. 19	Feb. 21	944
184*	13. CLIFT, J. W., Bolt, Nail, Nut, Rivet, and Screw Making; Chain, Staple, and Horseshoe Making; Gear Cutting, Milling, and Planing; Metal Drawing; Metal Forging and Welding; Metal Rolling; Metal Working; Needle and Pin Making; Turning.	Feb. 21	Feb. 14	1,173
102*	14. BRUMBAUGH, N. J., Compound Tools; Farriery; Metal Bending; Metal Tools and Implements, Making; Sheet-Metal Ware, Making; Tools; Wire Fabrics and Structure; Wire Working.	Mar. 30	May 1	301
220	15. REDROW, W. L., Glass; Paper Making; Plastic Block and Earthenware Apparatus; Plastics.	Feb. 20	Mar. 11	920
340*	16. SPENCER, C. J., Batteries; Resistances and Rheostats; Telegraphy; Telephony.	Jan. 28	Feb. 12	882
207	17. RAFTER, G. S., Label Pasting and Paper Hanging; Nut and Bolt Locks; Ornamentation; Paper Manufactures; Printing; Type Casting; Sheet-Material Associating or Folding; Sheet or Web Feeding or Delivering; Type Setting.	Mar. 21	Apr. 10	199
220	18. PORTER, M. E., Motors, Expansible-Chamber Type; Power Plants; Speed-Responsive Devices.	Jan. 19	Jan. 19	788
220	19. GLASCOCK, E. S., Furnaces; Heating Systems; Liquid and Gaseous Fuel Burners; Stoves and Furnaces.	Feb. 24	Mar. 25	616
170	20. GROVE, S. D., Miscellaneous Hardware; Closure Fasteners; Locks and Latches; Safes; Undertaking.	Feb. 21	Feb. 27	769
213	21. THURBER, W. L., Winding and Reeling; Textiles; Cloth Finishing.	Jan. 20	Mar. 23	488
102	22. COLWELL, J. H., Aeronautics; Amusement Devices, Games; Firearms; Ordnance; Ammunition and Explosive Devices; Ammunition and Explosive-Charge Making; Air Guns, Catapults, and Targets; Boats and Buoys; Ships; Marine Propulsion.	Apr. 2	Apr. 9	377
217	23. GROESBECK, W. D., Coin Handling; Recorders; Registers; Horology; Time-Controlling Mechanism.	Feb. 4	Feb. 10	411
147*	24. DURAS, C. O., Apparel; Apparel Apparatus; Garment Supporters; Sewing Machines.	Mar. 21	Mar. 25	415
315	25. LIGHTFOOT, J. H., Agitating; Butchering; Centrifugal-Bowl Separators; Cutlery; Mills; Threshing; Vegetable and Meat Cutters and Comminutors; Gas Separation.	Apr. 16	Apr. 24	651
220*	26. HODGES, J. S., Electricity, Generation; Motive Power; Prime-Mover Dynamo Plants.	†Dec. 29	Jan. 3	725
314	27. ANDERSON, L. S., Brush, Broom, and Mop Making; Brushing, Scrubbing, and General Cleaning; Laundry; Washing Apparatus.	Mar. 23	Mar. 21	663
123	28. BENSON, A. R., Internal-Combustion Engines.	May 1	May 1	748
150*	29. MORRIS, E. N., Abrading; Boring and Drilling; Button Making; Chucks or Sockets; Coopering; Tool-Handle Fastenings; Wheelwright Machines; Wood Sawing; Wood Turning; Woodworking; Woodworking Tools.	Jan. 5	Jan. 16	1,076
244	30. SULLIVAN, M. R., Automatic Temperature and Humidity Regulation; Illuminating Burners; Illumination; Typewriting Machines; Thermostats and Humidostats.	Mar. 9	Apr. 2	920
114	31. HOLMES, W. N., Alcohol; Ammonia, Water, and Wood Distillation; Charcoal and Coke; Gas, Heating and Illuminating; Hydraulic Cement and Lime; Mineral Oils; Oils, Fats, and Glue.	Apr. 10	Apr. 6	786
249	32. BARTHOLOMEW, J. A., Gas and Liquid Contact Apparatus; Heat Exchange.	Mar. 3	Mar. 2	640
182	33. WYMAN, W. L., Bridges; Hydraulic and Earth Engineering; Masonry and Concrete Structures; Metallic Building Structures; Roads and Pavements; Roofs; Wooden Buildings.	Apr. 21	Apr. 20	668
304	34. SIMPSON, G. R., Electricity-Transmission to Vehicles; Pneumatic Dispatch; Railways; Railway Rolling Stock; Railway Switches and Signals; Railways, Surface Track; Railway Wheels and Axles; Store Service; Track Sanders; Vehicle Fenders.	Feb. 27	Feb. 21	880
116*	35. REYNOLDS, E. C., Buckles, Buttons, Clasps, Etc.; Card, Picture, and Sign Exhibiting; Signals and Indicators; Toilet.	Mar. 9	Apr. 4	718
166	36. MORTON, G. L., Automatic Weighers; Geometrical and Measuring Instruments; Force Measuring.	Feb. 27	Feb. 13	1,243
224*	37. TAYLOR, E. C., Electricity, Circuit Makers and Breakers.	Jan. 19	Jan. 19	1,208
145	38. IDE, G. E., Animal Husbandry; Earth Boring; Fishing, Trapping, and Vermin Destroying; Mining, Quarrying, and Ice Harvesting; Stoneworking; Wells.	†Dec. 24	†Dec. 22	926
236	39. COWLES, A. W., Fluid-Pressure Regulators; Multiple Valves; Valves; Water Distribution.	Mar. 5	Mar. 20	464
220	40. OBERLIN, J. J., Beverages; Bottles and Jars; Cloth, Leather, and Rubber Receptacles; Deposit and Collection Receptacles; Metallic Receptacles; Package and Article Carriers; Paper Receptacles; Special Receptacles and Packages; Wooden Receptacles.	Jan. 30	Jan. 21	1,502
9126	41. BROWN, J. L., Land Vehicles, Wheels and Axles; Resilient Tires and Wheels; Wheel Substitutes.	Mar. 16	Feb. 19	852
223*	42. CUTTING, H. O., Electrical Conduits and Housings; Electric Signaling.	Jan. 22	Jan. 27	1,020
134*	43. HOPKINS, F. M., Baths, Closets, Sinks, and Spittoons; Sewerage; Electricity, Medical and Surgical; Medicines; Surgery; Dentistry; Artificial Body Members; Railway Draft Appliances.	Feb. 3	Feb. 3	909
248	44. SHAFFER, C. H., Bread, Pastry, and Confection Making; Dispensing; Dispensing Beverages; Filling and Closing Portable Receptacles; Refrigeration.	Feb. 16	Feb. 9	788
379	45. GILES, A. H., Pulleys and Shafting; Lubrication; Machine Elements, Bearings and Guides.	Feb. 16	Feb. 20	765
222	46. WOLCOTT, C. L., Fluid Sprinkling, Spraying, and Diffusing; Fire Extinguishers; Liquid Heaters and Vaporizers.	Jan. 28	Jan. 23	672
206	47. BARKER, H., Brakes; Clutches and Power Stop Control; Elevators; Fluid-Pressure Brake and Analogous Systems; Motors; Spring Devices.	Feb. 20	Feb. 24	1,352
215*	48. ROEPKE, O. B., Electricity, Condensers; Electricity, General Applications.	†Dec. 22	†Dec. 20	1,748
239	49. EDINBURG, F. P., Check-Controlled Apparatus; Domestic Cooking Vessels; Fuel and Igniting Devices; Pneumatics; Velocipedes; Driers; Liquid Separation or Purification.	Feb. 20	Feb. 24	693
323	50. BLAKE, C. L., Plastic and Liquid Casting Compositions; Coating; Laminated Fabrics.	Jan. 20	Jan. 20	1,244
240*	51. BACKUS, C. D., Radiant Energy, Wave Transmission; Electric Lamps.	Jan. 31	Jan. 27	2,019
144	52. MORGAN, E. J., Supports; Fire Escapes; Ladders; Seafolds; Railway Mail Delivery; Joint Packing; Pipe and Rod Joints or Couplings.	Apr. 18	Apr. 17	498
113	53. PECK, M. E., Books; Manifolding; Printed Matter; Stationery; Educational Appliances; Paper Files and Binders; Tents, Canopies, Umbrellas, and Canes; Curtains, Shades, and Screens.	Feb. 20	Feb. 19	973
202	Drawing: C. O. MARKHAM (Acting).	June 1	May 28	809
156	Trade-Mark Examiners: T. L. MEAD, JR.	May 16	June 4	1,540
		May 23	June 6	287

* Refers to room numbers in the dimes.

DECISIONS IN PATENT AND TRADE-MARK CASES.

Court of Appeals of the District of Columbia.

SUNDSTRAND v. GUBELMANN.

No. 1,800. Decided February 2, 1925.

EQUITABLE ESTOPPEL—LACHES—COPYING CLAIMS FROM A PATENT—QUESTION MAY BE RAISED AT ANY TIME.

Unless a showing is made of special circumstances justifying the delay in copying claims from a patent, the two-year limit applies and the patentee may insist upon that issue for the first time before the Court of Appeals, D. C., this jurisdictional question being one which may be raised at any time.

APPEAL from Patent Office. Reversed.

Mr. Geo. T. Tew and *Mr. L. B. Smith* for Sundstrand.

Mr. C. L. Sturtevant and *Mr. Allen E. Dicke* for Gubelmann.

Before ROBB and VAN ORSDEL, Justices, and SMITH, Judge U. S. Court of Customs Appeals.

ROBB, *J.*:

Appeal from a decision of the Acting Commissioner of Patents in an interference proceeding reversing the decision of the Examiners in Chief and awarding priority to the appellee Gubelmann.

Sundstrand's original application was filed March 14, 1914, and a patent containing the claims of the issue was granted September 26, 1916. Gubelmann copied these claims on November 23, 1918, but made no showing that his failure to copy them within two years from the issuance of the patent was due to special circumstances justifying the delay. *Chapman v. Wintroath*, 272 O. G. 913; 1920 C. D. 465; 252 U. S. 126, 139; *Webster Co. v. Splitdorf Co.*, 327 O. G. 219; 264 U. S. 463, 471. In behalf of Gubelmann it is contended that appellant is estopped to insist upon that issue here, not having raised it below. To this we can not assent. Unless a showing is made of special circumstances justifying the delay in copying claims from an issued patent, the two-year limit applies and there is no basis for the declaration of an interference, so that the award of a patent in such a situation would be an idle ceremony. It is apparent, therefore, that this jurisdictional question may be raised at any time.

Chapman v. Beede, 328 O. G. 230; 54 App. D. C. 209, 296 Fed. 956, is not in point, since it there appeared that the subject matter of the copied claims was disclosed and claimed in a copending application.

The decision is reversed.

Reversed.

DISSENTING OPINION.

SMITH, *Acting Associate Justice, dissenting:*

I regret exceedingly that I find myself unable to agree with the prevailing opinion in this case.

On September 19, 1916, a patent was issued to Gustaf D. Sundstrand for an adding and listing machine. On the 23d of November, 1918, William S. Gubelmann, filed an amendment in the Patent Office to his application filed September, 1912, in the Patent Office and said amendment copied three of the claims of the Sundstrand patent. That amendment was received by the Patent Office without objection and therefore the Examiner of Interferences declared the existence of an interference between Gubelmann's application and the Sundstrand patent. On the 1st of April, 1920, Sundstrand moved to dissolve the interference on the ground that Gubelmann had no right to make the claims corresponding to the counts of the issue and that there was no interference in fact between the application of Gubelmann and the patent to Sundstrand. The motion was based solely on the proposition that the counts of the issue were not within the disclosure of Gubelmann and was not made on the ground that Gubelmann was guilty of laches.

The Law Examiner denied the motion to dissolve and the Examiner of Interferences awarded priority of invention to Gubelmann. From that decision an appeal was taken to the Examiners in Chief who reversed the decision of the Examiner of Interferences and awarded priority to Sundstrand. From the decision of the Examiners in Chief Gubelmann appealed to the Commissioner of Patents who reversed the decision of the Examiners in Chief and sustained that of the Examiner of Interferences.

Apparently therefore the question of laches was not raised by the Examiner of Interferences and was not presented by the motion to dissolve. More than that, it was not discussed or decided by any of the tribunals of the Patent Office.

If the Examiner had refused to accept Gubelmann's amendment or if he had declined to declare an interference on the ground of laches, Gubelmann might have been allowed to amend his application by setting up satisfactory reasons for his delay in copying the claims of the Sundstrand patent or if he had been denied leave to amend he might have filed a new application setting up facts which would have legally excused his delay. On the other hand, if Sundstrand's motion to dissolve the interference had been based on Gubelmann's laches the latter would have been in a position to submit evidence establishing that the delay in presenting these claims was due to circumstances beyond his control or that he had not slept on his rights without reasonable excuse.

Whether laches exists depends on the facts and circumstances of each case (*Webster v. Splitdorf*, 264 U. S. 463–471 and it seems to me that we can not dispose of this appeal on that ground inasmuch as no such issue was raised by the motion to dissolve. If the issue had been raised for all that we know or can know the appellee

might have fully and satisfactorily accounted for his delay in copying the claims of the patent of the junior party.

We have before us no evidence of laches other than the date of Sundstrand's patent and the date of Gubelmann's amendment containing the copied counts, and while that possibly would have been enough to justify the Patent Office in refusing to accept the copied claims or in granting a motion to dissolve the interference if *made on the ground of laches, no satisfactory reason or excuse for the delay being shown*, it does not warrant this court, as I see it, in deciding the case on a matter not put in issue and not even suggested until after this appeal was perfected. In short, I am of the opinion that Gubelmann was not bound to anticipate a charge of laches and that he was not bound to meet any such issue until it was raised either by the patent officials or by a motion of the adverse party to dissolve the interference. To hold otherwise would result in deciding that Gubelmann was guilty of laches although that question was not made an issue in any way in the Patent Office thereby leaving Gubelmann without any opportunity to meet it or present his side of the case.

If two years was a *statutory* bar to the copying of the claims of a subsequent patent, we might probably decide the case on the record, but it is not a *statutory* bar and whether or not there was unreasonable delay in copying the counts, seems to be a question of fact which can be determined only after laches has been made an issue and an opportunity to be heard on the matter has been given. (See *Webster* v. *Spitzdorf*, supra.)

I can not bring myself to believe that the failure of Gubelmann to allege in his application the facts and circumstances which justified his delay in filing it, was jurisdictional. But if it was jurisdictional can it be said that his failure in that particular deprived him of all right to relief and that he could neither amend his application nor file a new one?

Court of Appeals of the District of Columbia.

DOLLFUS-MIEG ET CIE., SOCIETE ANONYME v. RICHARDSON SILK CO.

No. 1497. Decided March 2, 1925.

TRADE-MARKS—COMBINATIONS OF FIGURES OR LETTERS. No one has the right, by adopting a combination of figures or letters, to exclude others from the adoption and use of different combinations of either, provided the second combinaton does not so closely approximate the first in subject matter and accessories as to lead to confusion.

APPEAL from Patent Office. Affirmed.

Mr. J. L. Stewart and *Mr. J. H. Griffin* for Dollfus-Mieg et Cie., Societe Anonyme.

Mr. John D. Morgan for Richardson Silk Co.

Before MARTIN, Chief Justice, and ROBB, Justice. Van Orsdel, Justice, did not sit in this case, but, by stipulation, participated in the decision.

ROBB, *J.*:

This is an appeal from a decision of the Commissioner of Patents dismissing appellant's opposition to the registration by appellee of the letters "R. M. C." as a trade-mark for cotton threads and yarns. Appellant based its opposition upon the prior use, on goods of the same descriptive properties, of the mark "D. M. C."

The Commissioner based his ruling upon a decision of the circuit court of appeals, affirming a decision of the district court, in *Dollfus-Mieg & Cie.* v. *Richardson Silk Co.*, an infringement and unfair competition case involving the same parties and marks now before us. The trial court disposed of the question of infringement in the following words:

> On the question of the trade-mark as such, the defendant has the right, and anybody else in the world has the right, to use any initials or combination of initials that they may deem proper. I do not see any need of spending any time on that point. There is no infringement whatever on the trade-mark DMC by the letters RMC.

The court also found that there had been no unfair competition. This decision was affirmed without opinion by the circuit court of appeals. 285 Fed. 1019.

Whether that decision was binding upon the parties and the Patent Office in this proceeding we need not stop to inquire, since we are in full accord with the conclusion reached, namely, that no one has the right, by adopting a combination of figures or letters, to exclude others from the adoption and use of different combinations of either. Of course, the second combination may not so closely approximate the first in subject matter and accessories as to lead to confusion. Appellee, however, has met this requirement, hence there was no basis for the filing by appellant of the opposition proceeding. See *McIlhenny's Son* v. *New Iberia Extract of Tobasco Pepper Company, Limited*, 133 O. G. 995; 1908 C. D. 325; 30 App. D. C. 337.

The decision is affirmed.

Affirmed.

PATENT SUITS.

[Notices under sec. 4921, R. S., as amended Feb. 18, 1922.]

886,969, E. H. Gold, Art of heating, decree affirmed (notice dated Apr. 9, 1925), C. C. A. (2d Cir.), Doc. 8500, *Vapor Car Heating Co., Inc.*, v. *Gold Car Heating & Lighting Co.*

900,019, W. G. Hurlbert, Metal lathing, consent decree, Mar. 31, 1925, holding patent valid and injunction granted, D. C., N. D. Ohio (E. Div.), Doc. 1316, *The Bostwick Steel Lath Co.* v. *The Sykes Metal Lath Co. et al.*

904,222. (See Re. 13,798.)

927,298, C. R. Twitchell, Pressure gauge for pneumatic tires; 1,451,068, R. Faries, Pressure gauge; 1,451,257, W. P. Hammond, same, appeal filed Apr. 4, 1925, C. C. A. (2d Cir.), Doc. 8731, *A. Schrader's Son, Inc.*, v. *Wein Sales Corp.*

930,527, C. S. Burge, Automatically adjustable, strain insulator, house fixture, decree affirmed (notice dated Apr. 9, 1925), C. C. A. (2d Cir.), Doc. 8564, *Line Material Co.* v. *Brady Electric & Mfg. Co.*

933,263. (See Re. 13,798.)

958,478, W. E. Davey, Process of reinforcing trees, final consent decree sustaining patent and granting injunction, Apr. 7, 1925, D. C., S. D. N. Y., Doc. E 31/266, *The Davey Tree Expert Co.* v. *E. H. Barber.*

968,576, C. R. Libby, Pneumatic dispatch-tube apparatus, final consent decree for plaintiff for an injunction, Apr. 8, 1925, D. C. Mass., Doc. E 1988, *The Lamson Co.* v. *Denholm & McKay Co.* Same, same decree, Apr. 9, 1925, D. C. Mass., Doc. E 1987, *The Lamson Co.* v. *R. H. Stearns Co.*

1,041,628, C. B. Guthrie, Consolidated tariff index, suit filed May 15, 1922, D. C., S. D. N. Y., Doc. E 22/384, *C. B. Guthrie* v. *H. L. Carlett et al.* Consent and order of dismissal Apr. 11, 1925.

1,104,065. (See Re. 13,798.)

1,104,072. (See Re. 13,798.)

1,137,714. (See Re. 13,798.)

1,140,649, L. V. Aronson, Toy talking mechanism, suit filed Sept. 22, 1924, D. C., S. D. N. Y., Doc. E 30/161, *L. V. Aronson* v. *Overland Metal Novelty Co. et al.* Consent and order of dismissal without prejudice Apr. 7, 1925. Same, suit filed Apr. 7, 1925, D. C., S. D. N. Y., Doc. E 31/349, *Voisse, Inc.* v. *Overland Metal Novelty Co., Inc., et al.*

1,157,046, Des. 42,398, J. Rousso, Towel cabinet; Re. 15,147, E. T. Brigham, Towel rack, suit filed June 20, 1922, D. C. Minn. (5th Div.), Doc. E 80, *J. Rousso* v. *R. E. Boyle et al.* (*Duluth Linen Supply Co.*). Order on motion of plaintiff dismissing, without prejudice, bill of complaint as to charge of infringement of Reissue 15,147, Dec. 23, 1922. Final decree in favor of plaintiff Sept. 18, 1924.

1,181,623, H. R. Van Deventer, Electrical condenser and manner of mounting same, suit filed Apr. 6, 1925, D. C., S. D. N. Y., Doc. E 31/345, *Splitdorf Electrical Co.* v. *Dubilier Condenser & Radio Corp.*

1,225,852. (See Re. 13,798.)

1,307,733. (See Re. 14,667 (*a*) and (*b*).)

1,307,734. (See Re. 14,667 (*a*) and (*b*).)

1,314,799, G. K. Guinzburg, Garment protector, bill dismissed Apr. 8, 1925, D. C., S. D. N. Y., Doc. E 26/53, *I. B. Kleinert Rubber Co.* v. *Polkase Mfg. Co., Inc., et al.*

1,329,656, A. H. Fargo, Insulator, 1,429,369, W. M. Parker, Attaching device, suit filed Apr. 13, 1925, D. C., N. D. Ohio (W. Div.), Doc. 524, *Porcelain Appliance Corp.* v. *Carey Ohio Porcelain Co. et al.*

1,335,744, 1,349,214, 1,349,215, J. H. Lehman, Shutter for moving picture machines, dismissed for lack of prosecution Apr. 8, 1925, D. C., S. D. N. Y., Doc. E 24/368, *J. H. Lehman* v. *Precision Machine Co., Inc.*

1,349,214. (See 1,335,744.)

1,349,215. (See 1,335,744.)

1,381,172, Davis & Helfman, Davenport bed, appeal filed Mar. 30, 1925, C. C. A., 8th Cir. (St. Louis), Doc. 7013, *Davis Mfg. Co.* v. *Levin Bros.*

1,397,274, M. Firman, Lighting fixture, suit filed Mar. 7, 1925, D. C., S. D. N. Y., Doc. E 28/166, *Edison Fixture Co., Inc.*, v. *I. Eisner* (*N. Y. Gas Lighting Co.*). Patent held invalid, bill dismissed Apr. 7, 1925.

1,429,369. (See 1,329,656.)

1,439,867, M. Case, Chart for recording competitive sales, suit filed Apr. 10, 1925, D. C., W. D. N. Y., Doc. 820-D, *M. Case* v. *W. Weckerle & Sons, Inc.*

1,447,285, 1,469,074, E. N. Dollin, Fluid-pressure controller, suit filed Apr. 9, 1925, D. C., N. D. N. Y., Doc. 617, *E. N. Dollin* v. *Precision Castings Co., Inc., et al.*

1,451,038. (See 927,298.)

1,451,257. (See 927,298.)

1,469,074. (See 1,447,285.)

1,500,958, A. C. Parodi, Egg boiler, suit filed Nov. 3, 1925, D. C., S. D. N. Y., Doc. E 30/238, *A. C. Parodi* v. *Parodi & Parodi* (*Renown Machine Co.*) *et al.* Final consent decree sustaining patent and granting injunction, Apr. 8, 1925.

Des. 42,398. (See 1,157,046.)

Des. 64,560, J. Schick, Pencil knife, suit filed Mar. 31, 1925, D. C., S. D. N. Y., Doc. E 31/325, *Pencilnife Corp.* v. *H. Seifen.* Final consent decree sustaining patent and granting injunction, Apr. 6, 1925. Same, Doc. E 31/326, *Pencilnife Corp.* v. *C. Som Co.* Decree same as above.

Re. 13,798, G. W. Pickard, Means for receiving intelligence communicated by electric waves; 904,222, same, Oscillation detecting means for receiving intelligence communicated by electric waves; 933,263, same, Oscillation device; 1,104,073, same, detector for wireless telegraphy and telephony; 1,137,714, same, solid rectifier for feeble electric currents; 1,225,852, same, Rectifier; 1,104,065, B. J. Miessner, Detector for wireless apparatus, final consent decree sustaining patents and granting injunction Apr. 1, 1925, D. C., S. D. N. Y., Doc. E 27/31, *Wireless Specialty Apparatus Co.* v. *F. W. Woolworth Co.*

Re. 14,667 (*a*), F. D. Winkley, Lubricating system, 1,307,733; A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means, injunction Apr. 9, 1925, D. C., W. D. Okla., Doc. E 691, *The Bassick Mfg. Co.* v. *J. S. Lyons* (*Lyons Supply Co.*).

Re. 14,667 (*b*), F. D. Winkley, Lubricating system; 1,307,733, A. V. Gullborg, Lubricating apparatus; 1,307,734, same, Lubricating means; T. M. 148,685, The Bassick Mfg. Co., Lubricating system; T. M. 164,590, same, Lubricant, including oil and grease, injunction Apr. 9, 1925, D. C., W. D. Okla., Doc. E 689, *The Bassick Mfg. Co.* v. *The Southern Motor Supply Co.* Same, Doc. E 690, *The Bassick Mfg. Co.* v. *J. M. Self* (*Self Auto Supply Co.*).

Re. 15,147. (See 1,157,046.)

T. M. 148,685. (See Re. 14,667 (*b*).)

T. M. 164,590. (See Re. 14,667 (*b*).)

ADVERSE DECISIONS IN INTERFERENCE.

In interferences involving the indicated claims of the following patents final decisions have been rendered that the respective patentees were not the first inventors with respect to the claims listed:

Pat. 1,403,445, D. I. Reiter, Key-case holder, decided May 16, 1925, claim 3.

Pat. 1,464,587, Russell and Clickner, Fishing reel, decided May 12, 1925, claims 11, 13, and 14.

Amendments to the Rules of Practice.

(ORDER No. 2,912.)

U. S. PATENT OFFICE, *Washington, June 18, 1925.*

Acting under the provisions of section 483 of the Revised Statutes and with the approval of the Secretary of Commerce, the following rules of the Rules of Practice in the United States Patent Office are amended as indicated:

To rule 11 add the following:

"When a petition for the institution of public use proceedings, supported by affidavits, is found, on reference to the primary examiner, to make a *prima facie* showing that the invention involved in an interference or disclosed in an application believed to be on file had been in public use or on sale two years before the filing of the application, or before the date alleged by an interfering party in his preliminary statement, a hearing may be had before the Commissioner to determine whether a public use proceeding should be instituted. If instituted, times may be set for taking testimony.

"The papers should be filed in duplicate, or served upon the applicant or his attorney of record, and petitioner should offer to bear any expense to which the office may be put,"

so that the rule as amended will read:

"11. No attention will be paid to unverified *ex parte* statements or protests of persons concerning pending applications to which they are not parties, unless information of the pendency of these applications shall have been voluntarily communicated by the applicants.

"When a petition for the institution of public use proceedings, supported by affidavits, is found, on reference to the primary examiner, to make a *prima facie* showing that the invention involved in an interference or disclosed in an application believed to be on file had been in public use or on sale two years before the filing of the application, or before the date alleged by an interfering party in his preliminary statement, a hearing may be had before the Commissioner to determine whether a public use proceeding should be instituted. If instituted, times may be set for taking testimony.

"The papers should be filed in duplicate, or served upon the applicant or his attorney of record, and petitioner should offer to bear any expense to which the office may be put."

Add the following paragraph to rule 22:

"(*d*) The Commissioner of Patents may appoint a Grievance Committee or Grievance Committees of those admitted to practice before the Patent Office. The Commissioner may refer to such committee such complaints against those admitted to practice before the Patent Office as he deems advisable. The committee, or a subcommittee thereof, may investigate and determine whether the complaint is well founded, and, if so, present charges for suspension or exclusion from practice,"

so that the rule as amended will read:

"22. (*a*) Applicants and attorneys will be required to conduct their business with the office with decorum and courtesy. Papers presented in violation of this requirement will be submitted to the Commissioner, and returned by his direct order.

"(*b*) Complaints against examiners and other officers must be made in communications separate from other papers and will be promptly investigated.

"(*c*) The Commissioner of Patents may, after notice and opportunity for a hearing, suspend or exclude, either generally or in any particular case, from further practice before his office any person, agent, or attorney shown to be incompetent or disreputable, or guilty of gross misconduct, or who refuses to comply with the rules and regulations, or who shall, with intent to defraud in any manner, deceive, mislead, or threaten any applicant or prospective applicant, or other person having immediate or prospective business before the office, by word, circular, letter, or by advertising, or who shall guarantee the successful prosecution of any application for patent or the procurement of any patent, or by word, circular, letter, or advertisement shall make any false promise or misleading representation, or who uses the name of any member of either House of Congress or of any officer of the Government in advertising his business. (Act approved Apr. 27, 1916.) The reasons for any such suspension or exclusion shall be duly recorded. And the action of the Commissioner may be reviewed upon the petition of the person so refused recognition or so suspended or excluded by the Supreme Court of the District of Columbia under such conditions and upon such proceedings as the said court may by its rules determine.

"(*d*) The Commissioner of Patents may appoint a Grievance Committee or Grievance Committees of those admitted to practice before the Patent Office. The Commissioner may refer to such committee such complaints against those admitted to practice before the Patent Office as he deems advisable. The committee or a subcommittee thereof may investigate and determine whether the complaint is well founded, and, if so, present charges for suspension or exclusion from practice."

THOMAS E. ROBERTSON,
Commissioner.

Disposition of Patent Office Models.

The act of Congress, approved February 18, 1925, provides a commission "to select such of the Patent Office models and exhibition exhibits as may be deemed to be of value and of historical interest * * * and cause the remainder of the said models and exhibits to be disposed of by public auction, gift to Federal, State, or private museums or institutions, or returned without expense to the Government to the original depositors or their representatives, where demanded in writing by them." * * *

The commission hereby gives notice to all Federal, State, or private museums or institutions, and to all other parties entitled to receive any of the models or exhibits under said act of Congress, that claim thereto must be made in writing to the commission on or before July 15, 1925; otherwise the models may be sold or destroyed, as authorized by the act.

Claims should be addressed to the Patent Office, Washington, D. C.

This notice will be published in the OFFICIAL GAZETTE for three consecutive weeks.

TRADE-MARKS

OFFICIAL GAZETTE, JUNE 30, 1925.

[VOL. 335. No. 5.]

The following trade-marks are published in compliance with section 6 of the act of February 20, 1905, as amended March 2, 1907. Notice of opposition must be filed within thirty days of this publication.

Marks applied for "under the ten-year proviso" are registrable under the provision in clause (b) of section 5 of said act as amended February 18, 1911.

As provided by section 14 of said act, a fee of ten dollars must accompany each notice of opposition.

Ser. No. 176,509. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) STAR EXTRACT WORKS, INC., New York, N. Y. Filed Feb. 23, 1923.



Particular description of goods.—Flavorings and Flavoring Extracts (both Synthetic and Natural) for Foods.
Claims use since about Nov. 22, 1921.

Ser. No. 179,321. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH A. PARR, Manchester, N. H. Filed Apr. 18, 1923.



No claim is made to the word "Parr's" except in the form and association shown.

Particular description of goods.—Medicinal Preparation for Dyspepsia, Indigestion, Sick Headache, Flatulence, Sour Stomach, Belching of Gas, Nausea, Vomiting, Gastritis, Gastralgia, Heartburn, and the Usual Derangements of the Stomach.
Claims use since Mar. 10, 1923.

Ser. No. 181,658. (CLASS 39. CLOTHING.) SOCIÉTÉ FRANÇAISE TABOOLNIK, Levallois-Perret, France. Filed June 7, 1923. Under ten-year proviso.



The Russian word appearing at the base of the triangle is translatable in English as "St. Petersburg."
Particular description of goods.—Rubber Footwear—Namely, Boots and Shoes Made Wholly or Partly of Rubber.
Claims use since January, 1888.

Ser. No. 189,050. (CLASS 39. CLOTHING.) HAAS-HELD CO., Kansas City, Mo. Filed Nov. 30, 1923.



No claim is made to the words "Mode et Qualite."
Particular description of goods.—Ladies' Hats.
Claims use since Nov. 1, 1922.

Ser. No. 194,042. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BEECH-NUT PACKING COMPANY, Canajoharie, N. Y. Filed Mar. 19, 1924.

BEECH-NUT BRAND

BEECH-NUT

No claim is made to the word "Brand" apart from the mark as shown in the drawing, the colored oval band shown being red.

Particular description of goods.—Candies.

Claims use since February, 1908.

Ser. No. 194,349. (CLASS 39. CLOTHING.) THE HUISKAMP BROS. CO., Keokuk, Iowa. Filed Mar. 24, 1924.

AERO CUSHION SOLE

No claim is made to the term "Cushion Sole" apart from the mark shown in the drawing.

Particular description of goods.—Boots, Shoes, and Oxfords of Leather, Rubber, and Fabric and Combinations of Such Material.

Claims use since July, 1922.

Ser. No. 194,685. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABBOTT LABORATORIES, Chicago, Ill. Filed Mar. 31, 1924.

GUAIAL

Particular description of goods.—Medicinal Preparations Containing Calcium-Meta-Gualacol-Sulphonate as the Principal Active Ingredient Indicated as a Respiratory Antiseptic or Wherever it is Desirable to Allay Cough.

Claims use since Mar. 8, 1924.

Ser. No. 195,129. (CLASS 10. FERTILIZERS.) SAMSON PLASTER BOARD COMPANY, Buffalo, N. Y. Filed Apr. 7, 1924.

SAMSON

TRADE MARK

BRAND

No claim is made to the words "Trade-Mark" and "Brand" appearing in the mark as shown by the drawing.

Particular description of goods.—Land Plaster or Agricultural Gypsum.

Claims use since January, 1916.

Ser. No. 195,325. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) FREDERIC S. BANKS, doing business as F. S. Banks & Co., New York, N. Y. Filed Apr. 11, 1924.

F.S.B.&Co.

SHUR-PLAY

Particular description of goods.—Footballs, Basket and Soccer Balls, Leaders, and Snelled Hooks for Fishing Tackle.

Claims use since Mar. 10, 1924.

Ser. No. 196,436. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHEMISCHE FABRIK POTT & CO., Dresden, Germany. Filed May 2, 1924.

NEOMERPIN

Particular description of goods.—Preparations for Treating Textile Fibers and Fabrics.

Claims use since March, 1923.

Ser. No. 196,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARLES A. HUNT, doing business as The Myles Hunt Chemical Co., Detroit, Mich. Filed May 12, 1924.



Applicant disclaims the right to the exclusive use of the words "Every Worry, Fear, and Uncertainty Removed" apart from the mark shown. The drawing is lined to denote the color red.

Particular description of goods.—Medicine for the Treatment of Leucorrhea.

Claims use since Apr. 21, 1924.

Ser. No. 197,634. (CLASS 39. CLOTHING.) UNITED HOSIERY STORES CO., Chicago, Ill. Filed May 26, 1924.

United Double Stripe

The word "United" is disclaimed apart from the mark shown.

Particular description of goods.—Hosiery.

Claims use since Apr. 7, 1924.

Ser. No. 198,785. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BALLARD & BALLARD CO., Louisville, Ky. Filed June 19, 1924.

PIONEER MILLS

SELF-RISING

No claim is made to the words "Self-Rising" apart from the mark as shown in the drawing. The name "Pioneer Mills" is merely a trade name owned and used by the applicant.

Particular description of goods.—Self-Rising Flour.

Claims use since June, 1923.

Ser. No. 198,885. (CLASS 39. CLOTHING.) GEORGE B. HALDINSTEIN, doing business as P. Haldinstein & Sons, Norwich, England. Filed June 20, 1924.

TURNSTILE

Particular description of goods.—Boots and Shoes Made of Cloth, Leather, or Rubber.

Claims use since January, 1920.

Ser. No. 200,293. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) STASSFURTER CHEMISCHE FABRIK VORMALS VORSTER & GRÜNEBERG ACTIEN-GESELLSCHAFT, Stassfurt, Germany. Filed July 19, 1924.

Epsolax

Particular description of goods.—Animal and Plant Killing Chemicals, Disinfectants, and Purgative Drugs for Men and Animals.

Claims use since Feb. 19, 1924.

Ser. No. 201,521. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) CHRIS WESTGARD, doing business as Pioneer Orchards, Brawley, Calif. Filed Aug. 16, 1924.

SUN-DIPT

Particular description of goods.—Fresh Citrous Fruits and Pomegranates.

Claims use since Feb. 25, 1924.

Ser. No. 202,038. (CLASS 39. CLOTHING.) HARRY SILVERSTEIN, Brooklyn, N. Y. Filed Aug. 29, 1924.

BRIGHTON

The word "Brighton" is disclaimed.

Particular description of goods.—Men's Hats.

Claims use since Oct. 10, 1922.

Ser. No. 202,940. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FREDRIKSTAD PRESERVING CO., Fredrikstad, Norway. Filed Sept. 23, 1924.

YGGDRASIL

Particular description of goods.—Canned Herrings.

Claims use since 1914.

Ser. No. 204,891. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BYK-GULDENWERKE CHEMISCHE FABRIK AKTIENGESELLSCHAFT, Berlin, Germany. Filed Nov. 6, 1924.

Byk

Particular description of goods.—Dissolvents, Lactic Acid, Lactates, Iodides, Bromides, Tannic Acids, Photographic Preparations, Tannin and Tannic Compounds; Gold, Silver, and Platinum Salts; Nitrates, Chemicals Used in the Finishing of Articles of Manufacture, Chemicals Used in Dairy Farming, Rennets, Colors for Dairy Products, Ether, Pepsin, Ammonium Chloride, Glauber Salt, Tannin Albuminate, Gallic Acid, and Pyrogallic Acid.

Claims use since 1900.

Ser. No. 205,544. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE OMEGA CHEMICAL COMPANY, New York, N. Y. Filed Nov. 19, 1924.

Omega

Particular description of goods.—Preparation for the Treatment of Rheumatism, Lumbago, Neuralgia, Swellings, Inflammation, Common Sore Throat, Cold in Chest, Tender Feet, Sprains, Bruises, and Similar Ailments, and Dentifrice, Hair Pomade, Shampoo, Cold Cream, and Talcum Powder.

Claims use since 1899 on a preparation for the treatment of rheumatism, lumbago, neuralgia, swellings, inflammation, common sore throat, cold in chest, tender feet, sprains, bruises, and similar ailments, and since Nov. 3, 1924, on dentifrice, hair pomade, shampoo, cold cream, and talcum powder.

Ser. No. 206,205. (CLASS 39. CLOTHING.) WILLIAMS CUT SOLE COMPANY, Boston, Mass. Filed Dec. 3, 1924.

WILLIAMS CUT SOLE CO. W OAK

Exclusive right to the use of the corporate name "Williams Cut Sole Co." is disclaimed except in association with the trade-mark as it appears. The word "Oak" is disclaimed.

Particular description of goods.—Leather Soles.

Claims use since Sept. 1, 1924.

Ser. No. 206,231. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FAIR PLAY CARAMELS, INC., Johnson City, N. Y. Filed Dec. 4, 1924.

Golden Gems

Particular description of goods.—Candy.

Claims use since about June, 1922.

Ser. No. 206,243. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WITMAN-SCHWARB CORP., Harrisburg, Pa. Filed Dec. 4, 1924.

TENDA

Particular description of goods.—Canned Corn.

Claims use since Jan. 1, 1924.

Ser. No. 206,345. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LINA CAVALIERI, Neuilly-sur-Seine, France. Filed Dec. 6, 1924.



Trade-mark comprises the photograph and signature of applicant.

Particular description of goods.—Face, Hand, and Skin Lotions and Milks; Astringent Waters, Red Color for the Lips and Finger Nails, Eyebrow Preparations, Preparations for Removing Face Color, Face Creams and Powders, Cologne Water, and Perfumeries.

Claims use since Jan. 10, 1924.

Ser. No. 207,133. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) THE HERRMANN HANDKERCHIEF CO. INC., New York, N. Y. Filed Dec. 23, 1924.

Evertint

Particular description of goods.—Handkerchiefs.

Claims use since Nov. 15, 1924.

Ser. No. 207,275. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ALFRED H. UTTARD, doing business as Rainbow Dairy Products Company, Portland, Oreg. Filed Dec. 26, 1924.



The cross lining of the drawing is intended for shading only.

Particular description of goods.—Cottage Cheese, Pimento Cheese, Brick Cheese, and Sandwich Spreads Formed of Chopped Pickles and Olives with Spices and Salad Oil.

Claims use since Dec. 1, 1920.

Ser. No. 207,569. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LOUIS T. HOCHSTEIN, doing business as Dotties Baking Company, New York, N. Y. Filed Jan. 2, 1925.

Dotties

Old Fashioned Home Made Cakes of Pure Butter and Fresh Eggs



Something Good to Eat

No claim is made to the exclusive use of the words "Old-Fashioned Home-Made Cakes of Pure Butter and Fresh Eggs, Something Good to Eat," apart from the mark as shown in the drawing.

Particular description of goods.—Home-Made Cakes.

Claims use since Dec. 26, 1924.

Ser. No. 207,824. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MINER-HILLARD MILLING CO., Wilkes-Barre, Pa. Filed Jan. 3, 1925.

M-H FEATHER FLAKES

Particular description of goods.—Breakfast Food.

Claims use since May, 1924.

Ser. No. 208,389. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERATED CEREAL MILLS OF AMERICA, Owensboro, Ky. Filed Jan. 21, 1925.

VITACREME

Particular description of goods.—Egg Mash, Scratch Feed, Hog Chops, Horse Feed, Dairy Feed, Patent Wheat Flour, Rye Flour, Cracked Corn, Corn Meal, Whole-Wheat Flour, Corn Grits, Buckwheat Flour; Chipped Wheat, a Cereal Breakfast Food, Breakfast Wheat, Breakfast Grits, and Cereal Breakfast Foods.

Claims use since on or about Mar. 1, 1924.

Ser. No. 208,438. (CLASS 39. CLOTHING.) THE STETSON SHOE COMPANY, INC., Weymouth, Mass. Filed Jan. 21, 1925.



Particular description of goods.—Boots and Shoe of Leather, Cloth, Canvas, and a Combination of Those Materials for Men and Women.

Claims use since Jan. 10, 1925.

Ser. No. 208,887. (CLASS 39. CLOTHING.) WM. ABRAMS, New York, N. Y. Filed Jan. 31, 1925.

FLEXIBLE FULKUT

The words "Flexible Fulkut" are hereby disclaimed apart from the mark as shown.

Particular description of goods.—Men's, Boys', and Children's Athletic Union Suits; Men's, Boys', and Children's Knit Underwear; Men's, Boys', and Children's Pyjamas; Dress, Negligee, and Work Shirts; and Boys' Blouses.

Claims use since Jan. 1, 1925.

Ser. No. 209,153. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMO COSMETIC CORPORATION, INC., New York, N. Y. Filed Feb. 6, 1925.

Cosmos

Drawing consists of the word "Cosmos."

Particular description of goods.—Lip Rouge.

Claims use since Jan. 1, 1925.

Ser. No. 209,189. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 6, 1925.

WHITE DOT

Trade-mark consists of the words "White Dot."

Particular description of goods.—Artificial Teeth.

Claims use since about Jan. 29, 1925.

Ser. No. 209,190. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) THE S. S. WHITE DENTAL MANUFACTURING COMPANY, Philadelphia, Pa. Filed Feb. 6, 1925.



No claim is made to the representation of the artificial tooth apart from the mark as shown. The mark consists of a white dot in the surface of an artificial tooth.

Particular description of goods.—Artificial Teeth.

Claims use since about Jan. 29, 1925.

Ser. No. 209,417. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ROBERT H. MAHON, Vancouver, British Columbia, Canada. Filed Feb. 11, 1925.



Dr. Middleton's
IRONIZED
Whole Wheat
FLOUR

The words "Whole Wheat Flour", as shown by the drawing, are disclaimed apart from the mark. The picture forming a feature of the mark is that of Dr. Robert Middleton.

Particular description of goods.—Wheat Flour.

Claims use since September, 1923.

Ser. No. 209,720. (CLASS 5. ADHESIVES.) COAST MANUFACTURING & SUPPLY COMPANY, Livermore, Calif. Filed Feb. 17, 1925.

CELAKAP

Particular description of goods.—Preparation for Sealing the Joints of Safety Fuse and Caps Used in Blasting Operations.

Claims use since about May 1, 1913.

Ser. No. 209,929. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) LJUNGS CHOCLAD- & CACAO-FABRIK, Malmo, Sweden. Filed Feb. 20, 1925.



The lining of drawing merely represents shading.

Particular description of goods.—Chocolate and Cocoa.

Claims use since Nov. 5, 1924.

Ser. No. 210,094. (CLASS 28. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) TURNER, DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky. Filed Feb. 24, 1925.



The words "Made in Louisville, Ky., U. S. A." and "Turner, Day & Woolworth Handle Co." are disclaimed apart from the mark shown in the drawing.

Particular description of goods.—Wooden Tool Handles.

Claims use since Jan. 1, 1923.

Ser. No. 210,159. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) CHARABOT & CIE., Grasse, France. Filed Feb. 26, 1925.

HUGUES AÎNÉ

Particular description of goods.—Natural Oils and Other Extraction Products Derived from Flowers, Leaves, Roots, Barks, Wood, Stems, Seeds, or Gums Used for Scenting Purposes and as Ingredients in Pharmaceutical Preparations.

Claims use since 1817.

Ser. No. 210,202. (CLASS 39. CLOTHING.) WM. H. WALKER & Co., Buffalo, N. Y. Filed Feb. 26, 1925.



No claim is made to the word "Walker's" apart from the mark as shown on the drawing.

Particular description of goods.—Shoes of Leather and Rubber, Leather and Fabric, Rubber and Fabric, and Composition of the So-Called Horse Fiber and Leather Board.

Claims use since Feb. 1, 1923.

Ser. No. 210,388. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ARTMART LINEN CO., INC., New York, N. Y. Filed Mar. 2, 1925.

ARTMART
LINEN

The words "Linen Co., Inc." are disclaimed.

Particular description of goods.—Decorative Linens—Namely, Doilies, Ovals, Oblongs, Table Covers, Centerpieces, Dresser Scarfs Made of Cotton, Linen, Lace, and Embroidery.

Claims use since on or about June 19, 1919.

Ser. No. 210,446. (CLASS 14. METALS AND METAL CASTINGS AND FORGINGS.) COPPERWELD STEEL COMPANY, Pittsburgh and Rankin, Pa. Filed Mar. 3, 1925.



No claim is made to the exclusive right to use the word "Copperweld" except in connection with the other features of the mark shown.

Particular description of goods.—Metal in Sheet, Rod, Strap, Ribbon, Hoop, Band, and Wire Form.

Claims use since Feb. 17, 1916.

Ser. No. 210,459. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) LYSOL, INCORPORATED, New York, N. Y. Filed Mar. 3, 1925.

Lysol Ointment for the Skin

No claim is made to the words "Ointment for the Skin" apart from the mark as shown.

Particular description of goods.—Ointment Employed in the Treatment of Skin Eruptions and Local Irritations.

Claims use since Mar. 22, 1924.

Ser. No. 210,522. (CLASS 48. MALT BEVERAGES, EXTRACTS, AND LIQUORS.) THE BAKER-BOLIN COMPANY, Cleveland, Ohio. Filed Mar. 5, 1925.

DUTCH BOY

Particular description of goods.—Barley-Malt Extract.
Claims use since July 1, 1923.

Ser. No. 210,912. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) C. LEUFFEN & CO. FABRIK CHEM. UND PHARM. PRAPARATE, Eitorf-on-the-Sieg, Germany. Filed Mar. 12, 1925.

„Analgit"

Particular description of goods.—Pharmaceutical and Medical Preparations—Namely, Liniment for the Treatment of Nervous Disorders, Neuralgia, Rheumatism, Shooting Pains, Aching Back, and Itch.
Claims use since Oct. 1, 1922.

Ser. No. 210,965. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) C. D. KENNY CO., Baltimore, Md. Filed Mar. 13, 1925.

PARKWAY

Particular description of goods.—Tea.
Claims use since Feb. 15, 1925.

Ser. No. 211,020. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DULUTH UNIVERSAL MILLING COMPANY, Duluth, Minn. Filed Mar. 14, 1925.

PRIDE OF DULUTH

No claim is made to the word "Duluth" apart from the mark as shown in the drawing.
Particular description of goods.—Patent Wheat Flour Packed in Cotton, Jute, and Paper Bags.
Claims use since Jan. 1, 1905.

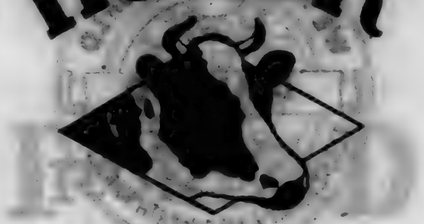
Ser. No. 211,116. (CLASS 39. CLOTHING.) THE MURPHY-GORMAN COMPANY, Danbury, Conn. Filed Mar. 16, 1925.

The Emer Zone

Particular description of goods.—Men's Soft Felt Hats, Stiff Felt Hats, and Velour Hats.
Claims use since Feb. 1, 1925.

Ser. No. 211,120. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) PET MILK COMPANY, St. Louis, Mo. Filed Mar. 16, 1925.

HONOR



Particular description of goods.—Evaporated Milk.
Claims use since Jan. 1, 1925.

Ser. No. 211,123. (CLASS 39. CLOTHING.) LOUIS HOBART PIERCE, doing business L. H. Pierce Textile Company, Lebanon, Pa. Filed Mar. 16, 1925.



Applicant disclaims the words "Lebanon, Pa." and "L. H. Pierce Textile Co." appearing on the drawing.
Particular description of goods.—Underskirts, Bloomers, Step-Ins, Vests, Chemise, Nightgowns, Princess Slips, Dressing Gowns, Bath Robes, Infants' Dresses, Children's Dresses, Misses' Dresses, Ladies' Dresses, Sweaters, Blouses, Outer Skirts, Wraps, Coats, Suits, and Men's, Women's, and Children's Hosiery.
Claims use since Jan. 31, 1925.

Ser. No. 211,272. (CLASS 39. CLOTHING.) THE IRVING DREW COMPANY, Portsmouth, Ohio. Filed Mar. 19, 1925.



Applicant disclaims exclusive use of the name "Drew's" except as shown by the mark in the drawing, also the words "Portsmouth, O."
Particular description of goods.—Men's, Women's, and Children's Boots, Shoes, and Slippers.
Claims use since Nov. 27, 1923.

Ser. No. 211,492. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE ROESSLER & HASSLACHER CHEMICAL COMPANY, New York, N. Y. Filed Mar. 23, 1925.

R&H CHEMICALS

No claim is made to the exclusive use of the word "Chemicals" except in association with the rest of the trade-mark.
Particular description of goods.—Hexamethylenetetramine, Paraformaldehyde, Aldehyde Ammonia, Formaldehyde Aniline, Diphenylguanidine, Triphenylguanidine, Diorthotolylguanidine, Ethylidine Aniline, Trichlorethylene, Tetrachlorethane, Ethyl Chloride, Methyl Chloride, Cyanides and Cyanide Mixtures, Metallic Sodium, Sodium Peroxide, Sodium Perborate, and Tin Oxide.
Claims use since Oct. 1, 1922.

Ser. No. 211,507. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOSEPH VINIKOW, doing business as Parisian Chocolate Company, Seattle, Wash. Filed Mar. 23, 1925.

CHARMED LAND

Particular description of goods.—Assorted Chocolates Disposed in Fancy Decorated Containers.
Claims use since Feb. 1, 1924.

Ser. No. 211,675. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) GARFINKEL & BITTER, New York, N. Y. Filed Mar. 26, 1925.

Jaunty

The mark consists of the word "Jaunty".
Particular description of goods.—Silk Crêpe in the Piece.
Claims use since Mar. 20, 1925.

Ser. No. 211,731. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) EARLE P. YAPLE, Greensburgh, N. Y. Filed Mar. 26, 1925.



No claim is made to any of the words apart from the mark as shown in the drawing.
Particular description of goods.—Honey.
Claims use since Sept. 1, 1920.

Ser. No. 211,733. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BAY CITY MILLING COMPANY, Bay City, Mich. Filed Mar. 27, 1925.

TRUEWORTH

Particular description of goods.—Malt Sirup for Food Purposes.
Claims use since Mar. 17, 1925.

Ser. No. 211,742. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAARMANN VINEGAR & PICKLE CO., Omaha, Nebr. Filed Mar. 27, 1925.



Particular description of goods.—Vinegar, Chowchow, Pickles, Horse-radish, Mustard, Mayonnaise, Mincemeat, Olives, Catchup, Peanut Butter, Chopped Sweet Pickle and Olive Relishes, and Chopped Vegetable Relishes.
Claims use since about 1907.

Ser. No. 211,743. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HAARMANN VINEGAR & PICKLE CO., Omaha, Nebr. Filed Mar. 27, 1925.



In the drawing the space within the diamond is lined to indicate a red background.
Particular description of goods.—Vinegar, Chowchow, Pickles, Horse-radish, Mustard, Mayonnaise, Mincemeat, Olives, Catchup, Peanut Butter, Chopped Sweet Pickle and Olive Relishes, and Chopped Vegetable Relishes.
Claims use since about 1907.

Ser. No. 211,782. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) CHICAGO ROLLER SKATE COMPANY, Chicago, Ill. Filed Mar. 28, 1925.

Cushcore

The lining of drawing indicates shading only.
Particular description of goods.—Recoil Checks for Motor-Driven Vehicles.
Claims use since Mar. 2, 1925.

Ser. No. 211,827. (CLASS 39. CLOTHING.) HERBERT MAURICE BUCKLEY, Tooting, London, England. Filed Mar. 30, 1925.

YOICKS

Particular description of goods.—Hats or Caps for the Use of Men, Women, and Children.
Claims use since Oct. 3, 1924.

Ser. No. 211,842. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE GOLD STAR PRODUCTS CO., Detroit, Mich. Filed Mar. 30, 1925.

GOLD STAR

The drawing is lined for gold.
Particular description of goods.—Malt Sirup.
Claims use since Mar. 1, 1924.

Ser. No. 211,875. (CLASS 45. BEVERAGES, NONALCOHOLIC.) SPRINGFIELD COCA COLA BOTTLING COMPANY, Springfield, Ohio. Filed Mar. 30, 1925.

SEE-CO

Particular description of goods.—Nonalcoholic, Noncereal, Maltless Beverage Sold as a Soft Drink.
Claims use since Jan. 7, 1925.

Ser. No. 211,943. (CLASS 39. CLOTHING.) MORSE & BURT CO., INC., Brooklyn, N. Y. Filed MAY 31, 1925.

Cantilever

Particular description of goods.—Rubber Heels.
Claims use since Feb. 6, 1923.

Ser. No. 212,017. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) JACOB MILLER'S SONS CO., INC., Philadelphia, Pa. Filed Apr. 1, 1925.

LUSTERTEX

Particular description of goods.—Silk Goods, Linen Goods, and Mixtures of Linen and Silk, All in the Piece.
Claims use since Jan. 21, 1925.

Ser. No. 212,079. (CLASS 39. CLOTHING.) GLENGAIR COMPANY, Franklin, N. H. Filed Apr. 2, 1925.

GLENGAIR

Particular description of goods.—Hosiery.
Claims use since Mar. 24, 1925.

Ser. No. 212,119. (CLASS 31. FILTERS AND REFRIGERATORS.) THE CARBONDALE MACHINE COMPANY, Carbondale, Pa. Filed Apr. 3, 1925.

SPIRA-FLO

Particular description of goods.—Ammonia Condensers for Refrigerating Apparatus.
Claims use since Aug. 30, 1924.

Ser. No. 212,143. (CLASS 39. CLOTHING.) THE JULIAN & KOKOSIN COMPANY, Cincinnati, Ohio, doing business as The Lape & Adler Company, Columbus, Ohio. Filed Apr. 3, 1925.

ARCH FRIEND

No exclusive right to the use of the word "Arch" is claimed except as shown in the drawing.
Particular description of goods.—Leather Boots and Shoes.
Claims use since Nov. 15, 1922.

Ser. No. 212,148. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JAKOW KULEK, New York, N. Y. Filed Apr. 3, 1925.

NERVO RUMAT

Particular description of goods.—Medical Compounds in Liquid Form for the Ailments of Rheumatism, Headache, Cold, Asthma, Eczema, Pleurisy, Pneumonia, High Blood Pressure, Poor Blood Circulation, and Nervous Disorders.
Claims use since Jan. 15, 1924.

Ser. No. 212,179. (CLASS 44. DENTAL, MEDICAL, AND SURGICAL APPLIANCES.) W. T. GRANT COMPANY, Lynn, Mass., and New York, N. Y. Filed Apr. 4, 1925.

REDI-PAKS

The lining on the drawing is for shading only.
Particular description of goods.—Sanitary Napkins.
Claims use since Mar. 11, 1925.

Ser. No. 212,315. (CLASS 39. CLOTHING.) HARRY BERGER, doing business as Harry Berger Shirt Company, New York, N. Y. Filed Apr. 7, 1925.

SPORTSTER

Particular description of goods.—Men's and Boys' Collars, Pyjamas, Night Robes, Underwear of Textile Fabric, and Shirts—Namely, Dress, Negligee, and Work Shirts.
Claims use since July, 1920.

335 O. G.—72

Ser. No. 212,464. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. B. WASHBURN & CO., Brockton, Mass. Filed Apr. 9, 1925.

OUR DA-LE BREAD

No claim is made to the word "Bread" apart from the mark shown in the drawing.
Particular description of goods.—Bread.
Claims use since July, 1915.

Ser. No. 212,540. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GERALD G. FINLEY, Topeka, Kans. Filed Apr. 11, 1925.

GRADE A MILK

"Grade A Milk" is disclaimed apart from the mark shown in the drawing.
Particular description of goods.—Milk.
Claims use since Apr. 7, 1925.

Ser. No. 212,580. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) VALVOLINE OIL COMPANY, Edgewater, N. J., and New York, N. Y. Filed Apr. 11, 1925.

WILBURINE

Particular description of goods.—Petroleum and Mineral Jelly and Petroleum and Mineral Jelly Compounded with Carbolic Acid, Menthol, Camphor, and Capsicum, for Internal and External Uses, and Catarrh Remedy.
Claims use since May, 1909.

Ser. No. 212,591. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) CALIFORNIA OPTICAL COMPANY, San Francisco, Calif. Filed Apr. 13, 1925.

X-Q

Particular description of goods.—Ophthalmic Lenses and Eyeglass Frames.
Claims use since Jan. 1, 1895.

Ser. No. 212,592. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BERT A. CAYTON, doing business as Mo-Ton Medicine Company, Indianapolis, Ind. Filed Apr. 13, 1925.

MO-TON

Particular description of goods.—General Tonic and Oil Liniment.
Claims use since Apr. 15, 1919.

Ser. No. 212,603. (CLASS 26. MEASURING AND SCIENTIFIC APPLIANCES.) GREAT NORTHERN MFG. CO., Chicago, Ill. Filed Apr. 13, 1925.

QUALITY BRAND

No claim is made to the words "Quality Brand" or either of them apart from the mark shown in the drawing.
Particular description of goods.—Weighing Scales.
Claims use since Dec. 1, 1924.

Ser. No. 212,664. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger, New York, N. Y. Filed Apr. 14, 1925. Under ten-year proviso.

BORDNER'S PINE NEEDLE EXPECTORANT

Particular description of goods.—Medicine for Coughs, Colds, Whooping Cough, Croup, Asthma, Influenza, Bronchitis, Pleurisy, and the Various Affections of the Lungs and Throat, and a Relief in the Different Stages of Consumption.
Claims use since August, 1893.

Ser. No. 212,665. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MAURICE F. SCHLESINGER, doing business as Bendiner & Schlesinger, New York, N. Y. Filed Apr. 14, 1925.

BATOX

Particular description of goods.—Toilet Preparations, More Particularly Intended for Use in the Bath in the Treatment of Obesity, as a Nerve Stimulant, and in the Prevention of Excessive Perspiration.
Claims use since Mar. 1, 1922.

Ser. No. 212,742. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM M. LICHT, doing business as Sek-Kil-O Chemical Company, St. Louis, Mo. Filed Apr. 15, 1925.

PLEZONE

Particular description of goods.—Evaporating Crystals for Deodorant and Disinfectant Purposes.
Claims use since Mar. 6, 1924.

Ser. No. 212,743. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ABRAHAM M. LICHT, doing business as Sek-Kil-O Chemical Company, St. Louis, Mo. Filed Apr. 15, 1925.

DC

Particular description of goods.—Disinfectants.
Claims use since Mar. 6, 1924.

Ser. No. 212,808. (CLASS 39. CLOTHING.) JOHN E. HANIFEN COMPANY, Philadelphia, Pa. Filed Apr. 16, 1925.



Particular description of goods.—Men's, Women's, and Children's Underwear of Knitted and Textile Fabrics.
Claims use since 1900.

Ser. No. 212,820. (CLASS 39. CLOTHING.) JOHN ARTHUR LEES, Pontiac, Mich. Filed Apr. 16, 1925.

"REST WHILE YOU WALK"
ARCH PROTECTOR
COMBINATION LAST

The phrases "Arch Protector Shoe" and "Combination Last" being descriptive are disclaimed apart from the mark as shown in the drawing. Whereas the drawing appears to be lined for color, the network of the lines forming a central field is merely for shading and to present a contrast between the heavy lined portions of the design.
Particular description of goods.—Shoes Constructed of Leather, Rubber, Fabric, or a Combination of These Materials.
Claims use since Jan. 1, 1925.

Ser. No. 212,823. (CLASS 39. CLOTHING.) PLANT BROS. & CO., Portland, Me., and Manchester, N. H. Filed Apr. 16, 1925.

ARCH FRIEND

No claim is made to the exclusive right to the use of the word "Arch" except in the particular arrangement and association shown in the mark or in connection with the word "Friend".
Particular description of goods.—Shoes of Leather or Combination of Leather and Fabric.
Claims use since May 26, 1923.

Ser. No. 212,835. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ALBERT B. SMITH, East Wareham, Mass. Filed Apr. 16, 1925.

CELL-U-LIN

Drawing consists of the word "Cell-u-lin".
Particular description of goods.—Cotton Piece Goods.
Claims use since Dec. 24, 1924.

Ser. No. 212,845. (CLASS 9. EXPLOSIVES, FIREARMS, EQUIPMENTS, AND PROJECTILES.) ZERO HOUR TORPEDO COMPANY, Casper, Wyo. Filed Apr. 16, 1925.

ZERO HOUR
ELECTRIC BOMB

No claim is made to the words "Electric Bomb" apart from the mark shown in the drawing.
Particular description of goods.—Bombs.
Claims use since Sept. 1, 1924.

Ser. No. 212,846. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH B. ALLEN, doing business as Pex-O-Vees Products Company, Memphis, Tenn. Filed Apr. 17, 1925.

PEX-O-VEES
VIM-VIGOR-VITALITY

The words "Vim-Vigor" and "Vitality" appearing on drawing are disclaimed as being descriptive. The vertical lining indicates the color red, the horizontal lining indicates blue.
Particular description of goods.—Laxative, Blood Tonic, and System Builder for Liver, Kidney, Stomach, Bladder, Bowel, and Blood Troubles, Indigestion, Sour Stomach, Constipation, Biliousness, Torpid Liver, Headache, Backache, and Loss of Appetite When Due to Constipation.
Claims use since Apr. 10, 1925.

Ser. No. 212,867. (CLASS 39. CLOTHING.) ROTHSCHILD & SONS, INC., Kansas City, Mo. Filed Apr. 17, 1925.

E-L-A-S-T-O
CRAVATS

The word "Cravats" is disclaimed apart from the mark as shown in the drawing.
Particular description of goods.—Men's Cravats.
Claims use since Mar. 1, 1924.

Ser. No. 212,873. (CLASS 39. CLOTHING.) S. F. WILSON AND CO., Chicago, Ill. Filed Apr. 17, 1925.

NIBLIK

Particular description of goods.—Men's Negligee Shirts.
Claims use since Apr. 8, 1925.

Ser. No. 212,927. (CLASS 39. CLOTHING.) A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa. Filed Apr. 18, 1925.

Kilkee
VIRGIN WOOL SUITINGS

No claim is made to the exclusive use of the words "Virgin Wool Suitings" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Young Men's Outer Suits and Overcoats.
Claims use since Jan. 1, 1925.

Ser. No. 212,928. (CLASS 39. CLOTHING.) A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa. Filed Apr. 18, 1925.

St. Dunstan Suitings
VIRGIN WOOL

No claim is made to the exclusive use of the words "Suitings" and "Virgin Wool" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Young Men's Outer Suits and Overcoats.
Claims use since Jan. 1, 1925.

Ser. No. 212,929. (CLASS 39. CLOTHING.) A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa. Filed Apr. 18, 1925.

Wimpole
VIRGIN WOOL SUITINGS

No claim is made to the exclusive use of the words "Virgin Wool Suitings" apart from the mark shown on the drawings.
Particular description of goods.—Men's and Young Men's Outer Suits and Overcoats.
Claims use since Jan. 1, 1925.

Ser. No. 212,930. (CLASS 39. CLOTHING.) A. B. KIRSCHBAUM COMPANY, Philadelphia, Pa. Filed Apr. 18, 1925.

KIRKSHIRE WORSTEDS
VIRGIN WOOL SUITINGS

No claim is made the exclusive use of the words "Worsteds" and "Virgin Wool Suitings" apart from the mark shown on the drawing.
Particular description of goods.—Men's and Young Men's Outer Suits and Overcoats.
Claims use since Jan. 1, 1925.

Ser. No. 212,969. (CLASS 39. CLOTHING.) R. H. SIMCOM COMPANY, Melrose Mass. Filed Apr. 18, 1925.

Victoire

Particular description of goods.—Knitted Ladies' Slips, Bloomers, Petticoats, Undervests, Chemises, Nightgowns, and Pyjamas.
Claims use since July 1, 1923.

Ser. No. 212,973. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE SUMTER PACKING COMPANY, INC., Sumter, S. C. Filed Apr. 18, 1925.

BARACCA

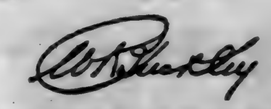
Particular description of goods.—Canned Vegetables.
Claims use since Aug. 1, 1911.

Ser. No. 212,976. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) TINTO CORPORATION, Newark, N. J. Filed Apr. 18, 1925.

TINTO *Rapid*

No claim is made to the word "Rapid" apart from its use in the mark as shown.
Particular description of goods.—Hair Dye.
Claims use since Dec. 22, 1924.

Ser. No. 212,997. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) W. K. BUCKLEY, LIMITED, Toronto, Canada. Filed Apr. 20, 1925.



The mark consists of a facsimile signature of the president of the applicant corporation, whose assent to its use is covered by his signature to this application.
Particular description of goods.—Remedies for Asthma, Hay Fever, Catarrh, Bronchitis, Bronchial Asthma, Colds in Head, Coughs, Colds, Hoarseness, La Grippe, Influenza, Croup, Whooping Cough, Bronchial Cough, and All Affections of Throat, Chest, and Bronchial Tubes.
Claims use since Sept. 16, 1920.

Ser. No. 213,025. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILTON CANNING COMPANY, Milton, Del. Filed Apr. 20, 1925.

FORT HUBERT

Particular description of goods.—Canned Vegetables and Canned Fruits.
Claims use since 1919.

Ser. No. 213,026. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) MILTON CANNING COMPANY, Milton, Del. Filed Apr. 20, 1925.

SONG BIRD

Particular description of goods.—Canned Vegetables and Canned Fruits.
Claims use since 1919.

Ser. No. 213,076. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFITH-DURNEY CO., San Francisco, Calif. Filed Apr. 21, 1925.

TROUBADOUR

Particular description of goods.—Canned Fruit and Canned Pineapple.
Claims use since March, 1896.

Ser. No. 213,077. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFITH-DURNEY CO., San Francisco, Calif. Filed Apr. 21, 1925.

BON SILENE

Particular description of goods.—Canned Fruit, Canned Vegetables, and Canned Pineapple.
Claims use since March, 1905.

Ser. No. 213,078. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFITH-DURNEY CO., San Francisco, Calif. Filed Apr. 21, 1925.

BONITA

Particular description of goods.—Canned Fruits, Canned Vegetables, Canned Pineapple, and Canned Sardines.
Claims use since March, 1898.

Ser. No. 213,086. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) HENRY MAILLARD, New York, N. Y. Filed Apr. 21, 1925.

La Jeunesse

Particular description of goods.—Candy.
Claims use since March, 1925.

Ser. No. 213,101. (CLASS 39. CLOTHING.) REGATTA MANUFACTURING CO. INC., Baltimore, Md., Filed Apr. 21, 1925.

Maarland

Particular description of goods.—Athletic Underwear of Textile Material.
Claims use since August, 1924.

Ser. No. 213,154. (CLASS 39. CLOTHING.) ABRAHAM & STRAUS, INC., New York, N. Y. Filed Apr. 23, 1925.

GLO-RANE

Particular description of goods.—Coats and Dresses for Women and Misses.
Claims use since Mar. 16, 1925.

Ser. No. 213,158. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) BRUNWORTH & GOINS, Pasadena, Calif. Filed Apr. 23, 1925.

B
GEE
E

Particular description of goods.—Artificial Fish Bait.
Claims use since Mar. 21, 1925.

Ser. No. 213,166. (CLASS 39. CLOTHING.) CHARLES A. EATON COMPANY, Brockton, Mass. Filed Apr. 23, 1925.

STERLING
E
STANDARD

No claim is made to the words "Sterling Standard" apart from the mark as shown in the drawing.
Particular description of goods.—Leather, Fabric, and Combination Leather and Fabric Shoes.
Claims use since Mar. 30, 1925.

Ser. No. 213,175. (CLASS 1. RAW OR PARTLY-PREPARED MATERIALS.) JAMESON-HEVENER COMPANY, St. Paul, Minn. Filed Apr. 23, 1925.

Challenger

Particular description of goods.—Grass, Garden, and Field Seeds.
Claims use since Jan. 1, 1925.

Ser. No. 213,181. (CLASS 20. LINOLEUM AND OILED CLOTH.) R. H. MACY & CO. INC., New York, N. Y. Filed Apr. 23, 1925.

Art-O-leum

Particular description of goods.—Rugs having a Felt Base or in the Nature of Linoleum.
Claims use since Nov. 26, 1924.

Ser. No. 213,235. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) GRIFFITH-DURNEY CO., San Francisco, Calif. Filed Apr. 24, 1925.

HALA

Particular description of goods.—Canned Pineapple.
Claims use since 1913.

Ser. No. 213,247. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MANSFIELD DRUG CO., Columbus, Ohio. Filed Apr. 24, 1925.



The mark consists of a facsimile of Dr. N. D. Mansfield, deceased.
Particular description of goods.—Preparation for the Treatment of Liver and Kidney Disorders.
Claims use since 1916.

Ser. No. 213,290. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) FEDERAL MILL & ELEVATOR CO., INC., Lockport, N. Y. Filed Apr. 25, 1925.

THREE POINT

Particular description of goods.—Wheat Flour.
Claims use since Mar. 28, 1925.

Ser. No. 213,347. (CLASS 12. CONSTRUCTION MATERIALS.) ACME BRICK COMPANY, Fort Worth, Tex. Filed Apr. 27, 1925.

KIRMINSHAH

Particular description of goods.—Brick.
Claims use since Jan. 1, 1922.

Ser. No. 213,387. (CLASS 12. CONSTRUCTION MATERIALS.) THE METROPOLITAN PAVING BRICK COMPANY, Canton and Minerva, Ohio, and Bessemer, Pa. Filed Apr. 27, 1925.

METROPOLITAN

Particular description of goods.—Building and Paving Bricks and Blocks.
Claims use since Aug. 1, 1922.

Ser. No. 213,398. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PARKER BROTHERS, Portland, Me., and Salem, Mass. Filed Apr. 27, 1925.

CAMP FIRE GIRLS GAME

The word "Game" used in connection with our trade-mark is purely to describe the type of merchandise to which the trade-mark is applied, and is not a portion of the trade-mark itself and is hereby disclaimed as a part of said trade-mark.
Particular description of goods.—Games, and in Particular a Board Game for Children, Played with Movable Pieces.
Claims use since Apr. 21, 1925.

Ser. No. 213,400. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) PARKER BROTHERS, Portland, Me., and Salem, Mass. Filed Apr. 27, 1925.

BEDTIME GAME

The word "Game" used in connection with our trade-mark is purely to describe the type of merchandise to which the trade-mark is applied, and is not a portion of the trade-mark itself and is hereby disclaimed as a part of said trade-mark.
Particular description of goods.—Games, and in Particular a Board Game for Children, Played with Movable Pieces.
Claims use since Apr. 21, 1925.

Ser. No. 213,434. (CLASS 3. BAGGAGE, ANIMAL EQUIPMENTS, PORTFOLIOS, AND POCKETBOOKS.) A. C. FISHER & CO. INC., New York, N. Y. Filed Apr. 28, 1925.

ENSEMBLE

Particular description of goods.—Ladies' Hand Bags.
Claims use since Apr. 15, 1925.

Ser. No. 213,445. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) LORRAINE MANUFACTURING CO., Pawtucket, R. I. Filed Apr. 28, 1925.

LORRAYON

Particular description of goods.—Fabric of Artificial Silk and Cotton in the Piece.
Claims use since January, 1925.

Ser. No. 213,453. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) ANDERS NIELSEN, doing business as Nielsen-Finn Dairy Company, Moline, Ill. Filed Apr. 28, 1925.

Creamland

Particular description of goods.—Butter and Eggs.
Claims use since Dec. 14, 1923.

Ser. No. 213,473. (CLASS 19. VEHICLES, NOT INCLUDING ENGINES.) AMERICAN CHAIN COMPANY, INC., New York, N. Y., and Bridgeport, Conn. Filed Apr. 29, 1925.

LEVELIZERS

Particular description of goods.—Snubbers and Shock Absorbers for Automobiles.
Claims use since Apr. 16, 1925.

Ser. No. 213,474. (CLASS 12. CONSTRUCTION MATERIALS.) THE BARBER ASPHALT COMPANY Philadelphia, Pa. Filed Apr. 29, 1925.

"HEX-LOCK"

Particular description of goods.—Starters for Strip Shingles.
Claims use since Jan. 23, 1925.

Ser. No. 213,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COLONIAL CHEMICAL CORPORATION, Reading, Pa. Filed Apr. 29, 1925.

RED HEAD

Particular description of goods.—Prophylactic Ointment.
Claims use since November, 1924.

Ser. No. 213,521. (CLASS 37. PAPER AND STATIONERY.) NEW DIAMOND POINT PEN CO. INC., New York, N. Y. Filed Apr. 29, 1925.

COLLEGIAN

Particular description of goods.—Fountain Pens.
Claims use since Feb. 1, 1925.

Ser. No. 213,529. (CLASS 12. CONSTRUCTION MATERIALS.) THE SUPERFOS COMPANY, INC., New York, N. Y. Filed Apr. 29, 1925.

MASIF

Particular description of goods.—Chemical Compositions used for Hardening and Waterproofing Building Materials, such as Cement, Plaster, Stucco, and Concrete.
Claims use since Jan. 1, 1925.

Ser. No. 213,530. (CLASS 12. CONSTRUCTION MATERIALS.) THE SUPERFOS COMPANY, INC., New York, N. Y. Filed Apr. 29, 1925.

SUPER-MASIF

Particular description of goods.—Chemical Compositions used for Hardening and Waterproofing Building Materials, such as Cement, Plaster, Stucco, and Concrete.
Claims use since Apr. 1, 1925.

Ser. No. 213,531. (CLASS 12. CONSTRUCTION MATERIALS.) THE SUPERIOR COMPANY, INC., New York, N. Y. Filed Apr. 29, 1925.

ZIMASIF

Particular description of goods.—Chemical Compositions Used for Hardening and Waterproofing Building Materials, such as Cement, Plaster, Stucco, and Concrete.
Claims use since Jan. 1, 1925.

Ser. No. 213,532. (CLASS 34. HEATING, LIGHTING, AND VENTILATING APPARATUS, NOT INCLUDING ELECTRICAL APPARATUS.) THOMAS GRATE BAR CO., Valdosta, Ga., and Birmingham, Ala. Filed Apr. 29, 1925.

W-S-D

Particular description of goods.—Grate Bars.
Claims use since Mar. 28, 1925.

Ser. No. 213,539. (CLASS 15. OILS AND GREASES.) C. C. WAKEFIELD & COMPANY, LIMITED, London, England. Filed Apr. 29, 1925.

MERSHOL

Particular description of goods.—Oils for Heating, Lighting, and Lubricating.
Claims use since June 27, 1924.

Ser. No. 213,563. (CLASS 16. PAINTS AND PAINTERS' MATERIALS.) GILL, OAKLEY & ALLEN, INC., Long Island City, N. Y. Filed Apr. 30, 1925.

NO-DE-KAY

Particular description of goods.—Ready-Mixed Paint.
Claims use since Apr. 10, 1925.

Ser. No. 213,565. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROBERT J. GATES, New York, N. Y. Filed Apr. 30, 1925.

Depilador

Particular description of goods.—Preparation for Removing Hair.
Claims use since Mar. 5, 1924.

Ser. No. 213,585. (CLASS 38. PRINTS AND PUBLICATIONS.) F. J. LISMAN & Co., New York, N. Y. Filed Apr. 30, 1925.

FINANCIAL PICTORIAL

Particular description of goods.—Printed Magazine Issued Occasionally.
Claims use since Mar. 9, 1925.

Ser. No. 213,602. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) UNITED STATES RUBBER COMPANY, New York, N. Y. Filed Apr. 30, 1925.

FAIRWAY

Particular description of goods.—Golf Balls.
Claims use since Apr. 17, 1925.

Ser. No. 213,613. (CLASS 39. CLOTHING.) THE BLA-SHONE HOSIERY CORPORATION, Philadelphia, Pa. Filed May 1, 1925.

STRETCHWEAR

Particular description of goods.—Hosiery for Men, Women, and Children.
Claims use since Apr. 6, 1925.

Ser. No. 213,617. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

PASTOSS

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 19, 1925.

Ser. No. 213,618. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

LUNE PERSANE

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 19, 1925.

Ser. No. 213,619. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

Poste'e d'Orient

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 9, 1925.

Ser. No. 213,620. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

ILLUROSALLAb

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 9, 1925.

Ser. No. 213,621. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

ACACIA

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 9, 1925.

Ser. No. 213,622. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

ORYSETA

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 9, 1925.

Ser. No. 213,623. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) COSMIC ARTS, INC., New York, N. Y. Filed May 1, 1925.

HAROUN

Particular description of goods.—Perfumery and Cosmetics—Namely, Face Powders, Rouges, Lip Sticks, Compacts, and Talcum Powder.
Claims use since Jan. 19, 1925.

Ser. No. 213,627. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE ENTERPRISE MANUFACTURING COMPANY, Akron, Ohio. Filed May 1, 1925.

E-Z-OFF

Particular description of goods.—Fish Stringers.
Claims use since Apr. 17, 1925.

Ser. No. 213,670. (CLASS 22. GAMES, TOYS, AND SPORTING GOODS.) THE SCHMELZER COMPANY, Kansas City, Mo. Filed May 1, 1925.

PAL

Particular description of goods.—Golf Balls.
Claims use since Mar. 1, 1925.

Ser. No. 213,681. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) BAILIS BROS., Mount Vernon, N. Y. Filed May 2, 1925.

BIM-BO

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages.
Claims use since Mar. 1, 1925.

Ser. No. 213,688. (CLASS 39. CLOTHING.) WALPOLE BREWER, Atlanta, Ga. Filed May 2, 1925.

VARSITY FLARE

Particular description of goods.—Swagger Sticks.
Claims use since Mar. 5, 1924.

Ser. No. 213,702. (CLASS 45. BEVERAGES, NON-ALCOHOLIC.) EPHREM DUCHARME, Chicopee Falls, Mass. Filed May 2, 1925.

CANOE CLUB

Particular description of goods.—Nonalcoholic, Non-cereal, Maltless Beverages.
Claims use since Apr. 25, 1925.

Ser. No. 213,744. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) L. F. SKALA, doing business as Kajutol Laboratories, Chicago, Ill. Filed May 2, 1925.

KAJUTOL

Particular description of goods.—Medicine for Rheumatism, Lumbago, Neuralgia, and Cold in the Chest.
Claims use since Jan. 20, 1923.

Ser. No. 213,829. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLIAM R. CHAPPELL, doing business as Universal Cover Fastener Company, New York, N. Y. Filed May 5, 1925.

'49' BRAND

No claim is made to the word "Brand" apart from the mark shown in the drawing.
Particular description of goods.—Mesh Nettings, Scrims, Marquisettes, Mosquito Nettings, and Mosquito-Net Canopies, Said Netting and Canopies Being Used for Protection Against Insects and Small Animals and for Other Purposes.
Claims use since Mar. 4, 1925, on mosquito-net canopies and since Apr. 27, 1925, on mesh nettings, mosquito nettings, scrims, and marquisettes.

Ser. No. 213,830. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WILLLIAM R. CHAPPELL, doing business as Universal Cover Fastener Company, New York, N. Y. Filed May 5, 1925.



No claim is made to the word "Brand" apart from the mark shown on the drawing.
Particular description of goods.—Mesh Nettings, Scrims, Marquisettes, Mosquito Nettings, and Mosquito-Net Canopies, Said Netting and Canopies Being Used for Protection Against Insects and Small Animals and for Other Purposes.
Claims use since Apr. 27, 1925, on mesh nettings, mosquito nettings, scrims, and marquisettes, and since Mar. 4, 1925, on mosquito-net canopies.

Ser. No. 213,847. (CLASS 39. CLOTHING.) LIPPMAN & ADASKO, New York, N. Y. Filed May 5, 1925.

Stylworth Clothes

No claim is made to the word "Clothes" apart from the mark shown in the drawing.
Particular description of goods.—Men's and Young Men's Suits and Topcoats.
Claims use since March, 1925.

Ser. No. 213,857. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) A. E. PENSYL MANUFACTURING CO., Spencer, Iowa. Filed May 5, 1925.

DAMZALL

Particular description of goods.—Cement for Stopping Leaks in Automobile Cylinder Heads and Radiators and in Gaskets and Hose Connections.
Claims use since Mar. 31, 1925.

Ser. No. 213,882. (CLASS 39. CLOTHING.) APEX HOSIERY COMPANY, INC., Philadelphia, Pa. Filed May 6, 1925.

Irresistible

Particular description of goods.—Full-Fashioned Silk Hosiery.
Claims use since January, 1925.

Ser. No. 213,902. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WILLIAM P. JENKINS, Dayton, Ohio. Filed May 6, 1925.

B.A.T.

Particular description of goods.—Blood Alterative and Tonic.
Claims use since on or about May 1, 1923.

Ser. No. 213,909. (CLASS 38. PRINTS AND PUBLICATIONS.) MCCREADY PUBLISHING COMPANY, New York, N. Y. Filed May 6, 1925.

PLAYTHINGS

Particular description of goods.—Trade Publication Issued Monthly.
Claims use since January, 1903.

Ser. No. 213,913. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) JOSEPH G. PAGE, doing business as J. G. Page Chemical Co., Buffalo, N. Y. Filed May 6, 1925.

NARKET

Particular description of goods.—Hair Dressing and Tonic.
Claims use since Mar. 3, 1924.

Ser. No. 213,914. (CLASS 38. PRINTS AND PUBLICATIONS.) THE PHILADELPHIA TABLOID PUBLISHING COMPANY, Philadelphia, Pa. Filed May 6, 1925.

DAILY PHILADELPHIA NEWS

Particular description of goods.—Newspaper Published Daily.
Claims use since Mar. 31, 1925.

Ser. No. 213,916. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE QUMAR MEDICAL COMPANY, Toledo, Ohio. Filed May 6, 1925.

QUMAR

Particular description of goods.—Medicines for Colds and Influenza.
Claims use since Nov. 14, 1924.

Ser. No. 213,920. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE REMILLER CO., New York, N. Y. Filed May 6, 1925.

FLAMING YOUTH

Particular description of goods.—Rouge.
Claims use since Apr. 30, 1925.

Ser. No. 213,926. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WM. SIMPSON, SONS & CO., Philadelphia, Pa. Filed May 6, 1925.

BRÉZÉ CREPE

No claim is made to the word "Crepe" apart from the mark as shown.
Particular description of goods.—Silk and Cotton Goods in the Piece.
Claims use since Aug. 7, 1924.

Ser. No. 213,928. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ALICE B. SMITH, New York, N. Y. Filed May 6, 1925.

PEP

Particular description of goods.—Skin-Improving Fluid.
Claims use since Dec. 1, 1924.

Ser. No. 213,929. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa. Filed May 6, 1925.

HALITONE

Particular description of goods.—Mouth Wash.
Claims use since on or about Apr. 16, 1925.

Ser. No. 213,938. (CLASS 39. CLOTHING.) JOHN WANAMAKER PHILADELPHIA, Philadelphia, Pa. Filed May 6, 1925.

Wanasilk

Particular description of goods.—Hosiery.
Claims use since August, 1921.

Ser. No. 213,940. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) WECHSLER BARBER SILK COMPANY, INC., New York, N. Y. Filed May 6, 1925.

SATIN MANTEAU

No claim is made to the word "Satin." The mark consisting of the word "Manteau."
Particular description of goods.—Silk Piece Goods.
Claims use since May 1, 1923.

Ser. No. 213,949. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOOTH FISHERIES COMPANY, Chicago, Ill. Filed May 7, 1925.

THEONLI

Particular description of goods.—Canned Salmon.
Claims use since October, 1919.

Ser. No. 213,951. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) ROY H. BROWNLEE, Pittsburgh, Pa. Filed May 7, 1925.

COSMOS

Particular description of goods.—Dentifrice.
Claims use since Apr. 27, 1925.

Ser. No. 213,966. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed May 7, 1925.

NADJA

Particular description of goods.—Piece Goods Made of Silk, Wool, and Cotton.
Claims use since Mar. 25, 1925.

Ser. No. 213,968. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed May 7, 1925.

MOITIÉ - MOITIÉ

Particular description of goods.—Piece Goods Made of Silk, Cotton, and Wool.
Claims use since Mar. 25, 1925.

Ser. No. 213,974. (CLASS 38. PRINTS AND PUBLICATIONS.) LOUIS KATZMAN, New York, N. Y. Filed May 7, 1925.

SYMPHONOJAZZ

Particular description of goods.—Musical Compositions.
Claims use since March, 1922.

Ser. No. 214,007. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) BELL REMEDY CO., Stoughton, Mass. Filed May 8, 1925.

PRIS

Particular description of goods.—Pile-Remedy Salve.
Claims use since Apr. 3, 1925.

Ser. No. 214,021. (CLASS 39. CLOTHING.) KEENN BROTHERS, Chicago, Ill. Filed May 8, 1925.



In the drawing the vertical lines indicate the color red. No claim is made to the word "Shoe" or "Trade-Mark" or the representation of a shoe sole apart from the mark shown in the drawing.
Particular description of goods.—Shoes of Leather and Combinations of Leather and Fabric.
Claims use since July 30, 1920.

Ser. No. 214,027. (CLASS 38. PRINTS AND PUBLICATIONS.) MACFADDEN PUBLICATIONS INCORPORATED, New York, N. Y. Filed May 8, 1925.

TRUE MARRIAGE EXPERIENCES

Particular description of goods.—Monthly Magazine.
Claims use since May 6, 1925.

Ser. No. 214,100. (CLASS 38. PRINTS AND PUBLICATIONS.) SMILES AND GIGGLES PUBLISHING CO., INC., Newark, N. J. Filed May 9, 1925.

Smiles AND Giggles

Particular description of goods.—Monthly Magazine.
Claims use since Mar. 20, 1925.

Ser. No. 214,174. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) METTLER FRUIT CO., Shafter, Calif. Filed May 11, 1925.

WHITE BUFFALO

Particular description of goods.—Fresh Grapes.
Claims use since Apr. 30, 1923.

Ser. No. 214,181. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ROCK RIVER WOOLEN MILLS, Chicago, Ill. Filed May 11, 1925.

FOUR SEASONS

Particular description of goods.—Woolen Goods in the Piece.
Claims use since January, 1925.

Ser. No. 214,185. (CLASS 37. PAPER AND STATIONERY.) JULIUS SCHMID, INC., New York, N. Y. Filed May 11, 1925.

UBILO

Particular description of goods.—Pencils.
Claims use since Dec. 15, 1924.

Ser. No. 214,202. (CLASS 37. PAPER AND STATIONERY.) CONTINENTAL PAPER & BAG MILLS CORPORATION, New York, N. Y. Filed May 12, 1925.

PELICAN

PARCHITE

Particular description of goods.—Wrapping Paper.
Claims use since Apr. 14, 1925.

Ser. No. 214,204. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EUREKA PYORRHEA PRODUCTS CO., Tulsa, Okla. Filed May 12, 1925.

Pycopé

Particular description of goods.—Dentifrice.
Claims use since Apr. 1, 1925.

Ser. No. 214,221. (CLASS 38. PRINTS AND PUBLICATIONS.) STREET & SMITH CORPORATION, New York, N. Y. Filed May 12, 1925.

Complete Story

Particular description of goods.—Magazines Issued Twice Monthly.
Claims use since Sept. 10, 1924.

Ser. No. 214,233. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SIDNEY BLUMENTHAL & CO. INC., New York, N. Y. Filed May 18, 1925.

Chinellora

Particular description of goods.—Pile Fabrics in the Piece.
Claims use since Mar. 28, 1925.

Ser. No. 214,237. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) EDMUND CORTES, New York, N. Y. Filed May 13, 1925.

SETROC

Particular description of goods.—Fly Killer in Liquid Form.
Claims use since Jan. 15, 1924.

Ser. No. 214,260. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) METHOW-PATEROS GROWERS, INC., Pateros, Wash. Filed May 18, 1925.

Mepa

Particular description of goods.—Fresh Apples.
Claims use since October, 1916.

Ser. No. 214,264. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) MONARCH MILLS, Union and Lockhart, S. C. Filed May 18, 1925. Under ten-year proviso.



LOCKHART MILLS

Particular description of goods.—Cotton Piece Goods.
Claims use since 1894.

Ser. No. 214,265. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) MORANA INCORPORATED, New York, N. Y. Filed May 13, 1925.

VELOIL

Particular description of goods.—Aromatic Compounds Suitable for Perfumery Purposes.
Claims use since May 6, 1925.

Ser. No. 214,267. (CLASS 38. PRINTS AND PUBLICATIONS.) PEOPLE'S MONTHLY COMPANY, Des Moines, Iowa. Filed May 13, 1925.

PEOPLE'S POPULAR MONTHLY

"People's Popular Monthly."
Particular description of goods.—Periodical Publications.
Claims use since January, 1895.

Ser. No. 214,281. (CLASS 39. CLOTHING.) SIEGEL BROTHERS INC., Chicago, Ill. Filed May 13, 1925.

The Roll-it

Particular description of goods.—Men's, Women's, and Children's Caps.
Claims use since Mar. 2, 1925.

Ser. No. 214,283. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) SMITH-FRANK PACKING COMPANY, Sacramento, Calif. Filed May 13, 1925.

CAN-D-PAK

Particular description of goods.—Canned Fruits and Dried Fruits and Canned Vegetables.
Claims use since Mar. 1, 1925.

Ser. No. 214,302. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOHN H. WILKINS CO., Washington, D. C. Filed May 13, 1925.



Particular description of goods.—Coffee.
Claims use since May 1, 1925.

Ser. No. 214,331. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) SCHINDEL-McDANIELS COMPANY, New York, N. Y. Filed May 15, 1925.



The vertical lines in the lettering of the drawing represent red color.
Particular description of goods.—Bed Sheets, Bedspreads, and Pillowcases.
Claims use since April, 1925.

Ser. No. 214,391. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BACHMAN CHOCOLATE MANUFACTURING COMPANY, Mount Joy, Pa. Filed May 16, 1925.

"A Dollar for a Cent"

Particular description of goods.—Candy.
Claims use since Apr. 18, 1925.

Ser. No. 214,414. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) HAAS BROTHERS FABRICS CORPORATION, New York, N. Y. Filed May 16, 1925.

ESPAGNOLE

Particular description of goods.—Piece Goods Made of Silk, Wool, and Cotton.
Claims use since Apr. 16, 1924.

Ser. No. 214,426. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) KOHRS PACKING COMPANY, Davenport, Iowa. Filed May 16, 1925.

SPRING BROOK

Particular description of goods.—Sausage.
Claims use since January, 1924.

Ser. No. 214,437. (CLASS 45. BEVERAGES, NONALCOHOLIC.) PARK LANE CORPORATION, New York, N. Y. Filed May 16, 1925.

Park Lane

Drawing consists of the words "Park Lane".
Particular description of goods.—Mineral Water.
Claims use since Sept. 13, 1924.

Ser. No. 214,444. (CLASS 38. PRINTS AND PUBLICATIONS.) STAR COMPANY, New York, N. Y. Filed May 16, 1925.

WHO'S WHO IN THE THEATRE

By BILLIE BROADWAY

Particular description of goods.—Newspaper Section.
Claims use since Jan. 24, 1925.

Ser. No. 214,447. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) ZOLLINGER & SCHROTH, INC., New York, N. Y. Filed May 16, 1925.

MURILLO SATIN

No rights are asserted to the exclusive use of the word "Satin" apart from the mark shown in the drawing.
Particular description of goods.—Silk Piece Goods.
Claims use since May 1, 1925.

Ser. No. 214,475. (CLASS 20. LINOLEUM AND OILED CLOTH.) T. R. GOODLATTE & SONS, (INC.), Delawanna, N. J. Filed May 16, 1925.



No claim made to the words "A Genuine Luncheon Cloth," the letter "G" and the bar imposed thereon being of blue color, and the background and lettering being of gold color.
Particular description of goods.—Table Coverings of Oilcloth and Oiled-Cloth-Type Materials.
Claims use since Apr. 21, 1925.

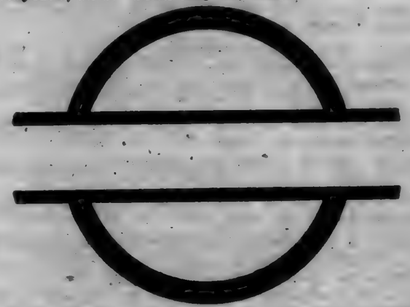
Ser. No. 214,490. (CLASS 37. PAPER AND STATIONERY.) MARCUS WARD, INC., Boston, Mass. Filed May 18, 1925.



National Cathedral Lawn

The word "Lawn" is disclaimed.
Particular description of goods.—Writing Paper.
Claims use since Apr. 10, 1925.

Ser. No. 214,513. (CLASS 12. CONSTRUCTION MATERIALS.) STANDARD OIL COMPANY (NEW JERSEY), Bayonne, N. J. Filed May 18, 1925.



Particular description of goods.—Asphalt and Asphalt-Brick Filler.
Claims use since Jan. 28, 1925.

Ser. No. 214,531. (CLASS 38. PRINTS AND PUBLICATIONS.) MERRITT CRAWFORD, New York, N. Y. Filed May 19, 1925.

MOTION PICTURES TODAY

Particular description of goods.—Motion-Picture Trade Paper.
Claims use since Mar. 9, 1925.

Ser. No. 214,615. (CLASS 39. CLOTHING.) JOHN THOMAS READ, Northampton, England. Filed May 20, 1925.

THE SPURS

Particular description of goods.—Boots and Shoes of Leather, Skins, Fabric, Rubber, and Combinations of the Same.
Claims use since January, 1922.

TRADE-MARK REGISTRATIONS GRANTED

[ACT OF FEBRUARY 20, 1905.]

JUNE 30, 1925.

200,190. SEPARABLE CUFF BUTTONS. PARKS BROTHERS & ROGERS, INC., Providence, R. I.
Filed December 1, 1924. Serial No. 206,082. PUBLISHED APRIL 14, 1925.

200,191. COTTON PIECE GOODS. WILTON MANUFACTURING COMPANY INC., New York, N. Y.
Filed November 28, 1924. Serial No. 205,970. PUBLISHED APRIL 21, 1925.

200,192. UNDERWEAR CONSISTING OF VESTS, BLOOMERS, KNICKERBOCKERS, DRAWERS, UNION SUITS, COMBINATIONS, CHEMISE, ENVELOPE CHEMISE, CORSET COVERS, NIGHTGOWNS, BATHING SUITS, PYJAMAS MADE OF KNITTED OR TEXTILE MATERIAL FOR ADULTS AND BABIES, PETTIBOCKERS, STEP-IN DRAWERS, AND MEN'S SILK UNDERWEAR—NAMELY, UNION SUITS, SHIRTS, AND DRAWERS. VANITY FAIR SILK MILLS, Reading, Pa.
Filed October 30, 1924. Serial No. 204,641. PUBLISHED APRIL 14, 1925.

200,193. RADIO RECEIVING SETS. RADIO SERVICE INC., Peekskill, N. Y.
Filed October 3, 1924. Serial No. 203,388. PUBLISHED APRIL 14, 1925.

200,194. MILLINERY—NAMELY, HATS FOR THE USE OF WOMEN, IMPORTED FROM ENGLAND. RAPHAEL WEILL AND COMPANY, INC., San Francisco, Calif.
Filed September 25, 1924. Serial No. 203,063. PUBLISHED APRIL 14, 1925.

200,195. RADIO LOUD SPEAKERS. RADIOTIVE CORPORATION, Brooklyn, N. Y.
Filed September 24, 1924. Serial No. 203,606. PUBLISHED APRIL 21, 1925.

200,196. RADIO RECEIVING APPARATUS—NAMELY, ASSEMBLED SETS AND LOUD SPEAKERS. CHARLES G. HALL, New York, N. Y.
Filed September 24, 1924. Serial No. 202,991. PUBLISHED APRIL 21, 1925.

200,197. WHEAT FLOUR. THE ANSTED & BURK CO., Springfield, Ohio.
Filed June 12, 1924. Serial No. 198,442. PUBLISHED APRIL 21, 1925.

200,198. INK REGULATORS, INK REDUCERS, INK DRIERS, INK EXTENDERS, AND OFFSET, NON-OFFSET, AND NONSMUT PREPARATIONS. WALTER F. MELTON, doing business as Inkxtendo Mfg. Co., Dallas, Tex.
Filed May 23, 1924. Serial No. 197,491. PUBLISHED APRIL 14, 1925.

200,199. ELECTRICAL APPARATUS. GENERAL ELECTRIC COMPANY, Schenectady, N. Y.
Filed April 30, 1924. Serial No. 196,338. PUBLISHED APRIL 21, 1925.

200,200. CEREAL BREAKFAST FOODS. THE GREAT ATLANTIC & PACIFIC TEA COMPAN, Jersey City, N. J.
Filed March 28, 1924. Serial No. 194,602. PUBLISHED APRIL 21, 1925.

200,201. ELECTRICAL APPARATUS AND MACHINES. THE WIRELESS RESISTOR COMPANY OF AMERICA, now American Resistor Company, a Corporation of Wisconsin, Milwaukee, Wis.
Filed March 12, 1924. Serial No. 193,693. PUBLISHED APRIL 14, 1925.

200,202. CANDY. THE ROBT. F. MACKENZIE CO., Cleveland, Ohio.
Filed February 16, 1924. Serial No. 192,404. PUBLISHED APRIL 7, 1925.

200,203. ELECTRIC SOCKETS. THE M. PROPP CO., New York, N. Y.
Filed January 31, 1924. Serial No. 191,570. PUBLISHED APRIL 21, 1925.

200,204. MINIATURE-ELECTRIC-LIGHT CLUSTERS. THE M. PROPP CO., New York, N. Y.
Filed January 31, 1924. Serial No. 191,569. PUBLISHED APRIL 21, 1925.

200,205. COTTON PIECE GOODS. SAYLES FINISHING PLANTS, INC., Saylesville, R. I.
Filed December 11, 1923. Serial No. 180,526. PUBLISHED APRIL 21, 1925.

200,206. ELECTRICAL GOODS FOR USE WITH ELECTRICAL APPARATUS. SAFETY ELECTRIC PRODUCTS CO., Los Angeles, Calif.
Filed November 26, 1923. Serial No. 188,934. PUBLISHED APRIL 21, 1925.

200,207. CERTAIN NAMED FOOD PRODUCTS. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed November 1, 1923. Serial No. 187,898. PUBLISHED APRIL 7, 1925.

200,208. STORAGE BATTERIES AND STORAGE-BATTERY PLATES. AM-PLUS STORAGE BATTERY COMPANY, Chicago, Ill.
Filed June 12, 1923. Serial No. 181,876. PUBLISHED APRIL 14, 1925.

200,209. ELECTRICAL RECTIFIERS. THE AUTOMATIC ELECTRICAL DEVICES COMPANY, Cincinnati, Ohio.
Filed February 12, 1924. Serial No. 192,168. PUBLISHED APRIL 21, 1925.

200,210. PREPARATIONS FOR THE SOFTENING OF THE FIBER OF TEXTILE FABRICS. TEXTILE FINISHING PRODUCTS, INC., Sayleville, R. I.
Filed February 21, 1925. Serial No. 210,022. PUBLISHED APRIL 7, 1925.

200,211. CHEMICAL COMPOUND USED AS A TINT FOR THE HAIR. GUILMONT & PETERS, Chicago, Ill.
Filed February 20, 1925. Serial No. 209,912. PUBLISHED APRIL 7, 1925.

200,212. COLORING FOR MEAT FOOD PRODUCTS. THE PRESERVALINE MANUFACTURING COMPANY, Brooklyn, N. Y.
Filed February 18, 1925. Serial No. 209,812. PUBLISHED APRIL 7, 1925.

200,213. PERFUMES. STEIN AND BLAINE, New York, N. Y.
Filed February 19, 1925. Serial No. 209,878. PUBLISHED APRIL 7, 1925.

200,214. MOTH-REPELLENT COMPOUNDS FOR THE TREATMENT OF TEXTILE FABRICS. PATHE CHEMICAL COMPANY, Brooklyn, N. Y.
Filed February 18, 1925. Serial No. 209,809. PUBLISHED APRIL 7, 1925.

200,215. SOLDERING FLUID. JOHN FIRTH, New York, N. Y.
Filed February 10, 1925. Serial No. 209,339. PUBLISHED APRIL 7, 1925.

200,216. FACIAL CREAMS. HARRY M. WILLIAMSON, Denver, Colo.
Filed February 7, 1925. Serial No. 209,259. PUBLISHED APRIL 7, 1925.

200,217. PREPARATION FOR TREATING THE SCALP AND HAIR. AGNES MCTAGUE, doing business as McTague Laboratories and McTague Institute, Cleveland, Ohio.
Filed February 6, 1925. Serial No. 209,170. PUBLISHED MARCH 31, 1925.

200,218. CERTAIN TOILET PREPARATIONS. RICHARD HUDNUT, New York, N. Y.
Filed February 6, 1925. Serial No. 209,165. PUBLISHED MARCH 31, 1925.

200,219. REMEDY IN SOLID FORM FOR COUGHS, COLDS, AND BRONCHITIS. BENJAMIN GOLDFARB, New York, N. Y.
Filed February 6, 1925. Serial No. 209,162. PUBLISHED MARCH 31, 1925.

200,220. TABLET CONTAINING A LAXATIVE PREPARATION. THE HOFFMANN-LA ROCHE CHEMICAL WORKS, New York, N. Y.
Filed February 5, 1925. Serial No. 209,126. PUBLISHED MARCH 31, 1925.

200,221. CONFECTION CONSISTING OF A CORE OF COMB HONEY SURROUNDED BY AN EDIBLE COATING OF CANDY. PAULINE PICKETT, Farmington, Mich.
Filed January 12, 1925. Serial No. 208,007. PUBLISHED APRIL 7, 1925.

200,222. HOP-FLAVORED MALT SIRUP FOR FOOD PURPOSES. PETER A. HORSACK, Cincinnati, Ohio.
Filed January 10, 1925. Serial No. 207,934. PUBLISHED APRIL 7, 1925.

200,223. PREPARATIONS FOR THE TREATMENT OF BOWEL AND LIVER DISEASES. THE SYDNEY ROSS CO., Newark, N. J.
Filed January 3, 1925. Serial No. 207,635. PUBLISHED MARCH 31, 1925.

200,224. PREPARATIONS FOR THE TREATMENT OF BOWEL AND LIVER DISEASES. THE SYDNEY ROSS CO., Newark, N. J.
Filed January 3, 1925. Serial No. 207,634. PUBLISHED MARCH 31, 1925.

300,225. CHOCOLATED COD-LIVER OIL FOR FOOD PURPOSES. SCIENTIFIC PRODUCTS, INC., Chicago, Ill.
Filed December 11, 1924. Serial No. 206,597. PUBLISHED APRIL 7, 1925.

200,226. MAYONNAISE AND SALAD DRESSINGS, CORN-MEAL MUSH, TARTAR SAUCE, THOUSAND ISLAND DRESSING; SANDWICH SPREAD CONSISTING OF MAYONNAISE DRESSING, PICKLES, AND CONDIMENTS; OLIVE BUTTER, MUSTARD, HORSE-RADISH, MUSTARD WITH HORSE-RADISH, SARATOGA CHIPS, VINEGAR, SALAD DRESSING FRENCH STYLE, RAREBIT, PICKLES, AND OLIVES. EARL M. EBA, doing business as Dutch Maid Products, Seattle, Wash.
Filed December 4, 1924. Serial No. 206,225. PUBLISHED APRIL 7, 1925.

200,227. PREPARATION FOR THE TREATMENT OF DYSPEPSIA, INDIGESTION, HEARTBURN, BILIOUSNESS, CONSTIPATION, AND SIMILAR AILMENTS. RADWAY & COMPANY, New York, N. Y.
Filed November 19, 1924. Serial No. 205,548. PUBLISHED APRIL 7, 1925.

200,228. DISINFECTANT, DEODORANT, AND GERMICIDE COMPOUND. LOUIS GRIESSMAN, Nanuet, N. Y.
Filed October 22, 1924. Serial No. 204,258. PUBLISHED MARCH 10, 1925.

200,229. MALT FOR FOOD PURPOSES. NATHAN MILGRAM, doing business as Malt Products Co., Kansas City, Mo.
Filed August 9, 1924. Serial No. 201,204. PUBLISHED OCTOBER 7, 1924.

200,230. PERFUMES. ROCHAMBEAU IMPORT & EXPORT CO., New York, N. Y.
Filed April 14, 1924. Serial No. 195,539. PUBLISHED FEBRUARY 17, 1925.

200,231. SHAMPOO PREPARATION. UKEMCO CORPORATION, New York, N. Y.
Filed March 18, 1924. Serial No. 194,033. PUBLISHED APRIL 7, 1925.

200,232. CERTAIN NAMED FOOD PRODUCTS. ALBERT F. BRIDGES & CO. INC., Chicago, Ill.
Filed October 22, 1923. Serial No. 187,294. PUBLISHED JANUARY 13, 1925.

200,233. ALMOND TABLE SIRUP. ELEONORA VAN WILGEN LA FONTAINE, Brooklyn, N. Y.
Filed August 13, 1923. Serial No. 184,400. PUBLISHED APRIL 7, 1925.

200,234. PREPARATIONS FOR WAVING OR CURLING HAIR. LANOIL SYSTEM LTD., New York, N. Y., now by change of name Nestle Lanoil Co., Ltd., a Corporation of New York.
Filed January 22, 1923. Serial No. 174,902. PUBLISHED NOVEMBER 18, 1923.

200,235. COMPLEXION CLAY. MARGUERITE SULLIVAN, doing business as Domino House, Philadelphia, Pa., assignor to Eugene J. Reefer, and said Marguerite Sullivan, Copartners, doing business as Domino House, Philadelphia, Pa.
Filed June 2, 1922. Serial No. 164,837. PUBLISHED MARCH 31, 1925.

200,236. GINGER ALE, A NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGE SOLD AS A SOFT DRINK, AND SIRUPS FOR MAKING THE SAME. THE INDIAN HILL COMPANY, Chicago, Ill.
Filed March 7, 1925. Serial No. 210,667. PUBLISHED APRIL 21, 1925.

200,237. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. FRANK GUYTON, doing business as Wellston Bottling Works, St. Louis, Mo.
Filed March 7, 1925. Serial No. 210,660. PUBLISHED APRIL 21, 1925.

200,238. STATIONARY LAUNDRY TUBS. CHICAGO GRANITINE MANUFACTURING COMPANY, Chicago, Ill.
Filed March 2, 1925. Serial No. 210,350. PUBLISHED APRIL 14, 1925.

200,239. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES SOLD AS SOFT DRINKS AND SIRUPS FOR MAKING THE SAME. LONG ISLAND BEVERAGE COMPANY, INC., Astoria, N. Y.
Filed February 27, 1925. Serial No. 210,241. PUBLISHED APRIL 21, 1925.

200,240. WHEAT FLOUR. NEBRASKA CONSOLIDATED MILLS COMPANY, doing business as St. Edward Mills, Omaha, Nebr.
Filed February 24, 1925. Serial No. 210,072. PUBLISHED APRIL 21, 1925.

200,241. COLLAR BUTTONS WHICH ARE MADE OF OR PLATED WITH PRECIOUS METALS. PYRAMID BUTTON CO., Providence, R. I.
Filed February 20, 1925. Serial No. 209,940. PUBLISHED APRIL 14, 1925.

200,242. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS OF THE SAME. GOLDSMITH STERN & CO., New York, N. Y.
Filed February 20, 1925. Serial No. 209,911. PUBLISHED APRIL 14, 1925.

200,243. THREE-ELEMENT VACUUM RADIO TUBES. C-T RADIO CORPORATION, New York, N. Y.
Filed February 16, 1925. Serial No. 209,626. PUBLISHED APRIL 14, 1925.

200,244. CLOTHES-WASHING MACHINES AND WRINGER MECHANISMS. VERMONT FARM MACHINERY COMPANY, Bellows Falls, Vt.
Filed February 4, 1925. Serial No. 209,112. PUBLISHED APRIL 14, 1925.

200,245. WATCHES, WATCH MOVEMENTS, AND WATCHCASES. GILBERT & CO. INC., New York, N. Y.
Filed February 3, 1925. Serial No. 209,033. PUBLISHED APRIL 14, 1925.

200,246. JEWELRY—VIZ, FINGER RINGS. JOHN L. COLEMAN, New York, N. Y.
Filed February 3, 1925. Serial No. 209,024. PUBLISHED APRIL 14, 1925.

200,247. WHEAT FLOUR. SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass.
Filed February 2, 1925. Serial No. 209,006. PUBLISHED APRIL 21, 1925.

200,248. JEWELRY, AND MORE PARTICULARLY RING MOUNTINGS. GEORGE GOLDBERG, INC., New York, N. Y.
Filed January 28, 1925. Serial No. 208,758. PUBLISHED APRIL 14, 1925.

200,249. CERTAIN NAMED FIREWORKS. VICTORY SPARKLER & SPECIALTY COMPANY, Elkton, Md.
Filed January 20, 1925. Serial No. 208,366. PUBLISHED APRIL 21, 1925.

200,250. VERNIER DIALS FOR RADIO APPARATUS. MARCUS SINGER, New York, N. Y., assignor to X-Akt Radio Corporation, New York, N. Y., a Corporation of New York.
Filed January 17, 1925. Serial No. 208,224. PUBLISHED APRIL 14, 1925.

200,251. RADIOPANELS, SWITCHBOARD PANELS, AND INSULATED COMPOSITION BOARDS ADAPTED FOR THE MOUNTING, ATTACHING TO, OR HOLDING OF ANY AND ALL KINDS OF ELECTRICAL APPARATUS, MACHINES, AND EQUIPMENT. CORNELL WOOD PRODUCTS COMPANY, Cornell, Wis., and Chicago, Ill.
Filed January 16, 1925. Serial No. 208,182. PUBLISHED APRIL 14, 1925.

200,252. LADIES' AND CHILDREN'S HAT FRAMES. THE FASHION HAT FRAME CO., New York, N. Y.
Filed January 12, 1925. Serial No. 207,978. PUBLISHED APRIL 14, 1925.

200,253. AUTOMOBILE PARKING LAMPS, AUTOMOBILE SIGNAL LAMPS, ELECTRIC SWITCHES, ELECTRIC HORN BUTTONS, AND TIMER DISTRIBUTORS. TIFFANY MANUFACTURING COMPANY, Newark, N. J.
Filed January 7, 1925. Serial No. 207,803. PUBLISHED APRIL 14, 1925.

200,254. RADIO RECEIVER SETS, RADIO "A" STORAGE BATTERIES, RADIO "B" BATTERIES, RADIO LOUD SPEAKERS, RADIOPLUGS, RADIO ANTENNA EQUIPMENT, AND RADIOTUBES. JOHN WANAMAKER, NEW YORK, New York, N. Y.
Filed December 29, 1924. Serial No. 207,422. PUBLISHED APRIL 14, 1925.

200,255. RADIOREPRODUCERS—NAMELY, RADIO LOUD SPEAKERS AND LOUD-SPEAKER UNITS AND RADIO LOUD-SPEAKER ATTACHMENTS FOR PHONOGRAPHS. M. C. SAYLOR & CO., Brooklyn, N. Y.
Filed December 29, 1924. Serial No. 207,407. PUBLISHED APRIL 14, 1925.

200,256. ELECTRICAL SUPPLIES. LEON A. OLMSTED, doing business as Vim Chain Stores, Chicago, Ill.
Filed December 12, 1924. Serial No. 206,631. PUBLISHED APRIL 21, 1925.

200,257. METAL CONDUITS FOR ELECTRICAL CONDUCTORS. AMERICAN CIRCULAR LOOM COMPANY, Pittsburgh, Pa., and New York, N. Y.
Filed December 6, 1924. Serial No. 206,344. PUBLISHED APRIL 14, 1925.

200,258. REMEDY FOR CORNS, CALLI, AND BUNIONS. CORN FIX CO., INC., Newark, N. J.
Filed March 3, 1925. Serial No. 210,447. PUBLISHED APRIL 21, 1925.

200,259. LADIES' DRESSES, APRONS, FROCKS, AND BLOUSES. HOME DISTRIBUTORS, INC., Chicago, Ill.
Filed February 24, 1925. Serial No. 210,057. PUBLISHED APRIL 14, 1925.

200,260. CANVAS MAIL SACKS, COAL BAGS, LETTER-CARRIER POUCHES, COIN SACKS, SAND BAGS, BALLAST BAGS, DYE BAGS, ORANGE-PICKERS' BAGS, SUGAR BAGS, WATER BUCKETS, OIL-PRESS BAGS, NEWSBOYS' DELIVERY BAGS, CLOTHES BAGS, FEED BAGS, NOSE BAGS, RATION BAGS, CANVAS SACKS, YARN BAGS, GAME BAGS, AND LAUNDRY BAGS. WM. E. HOOPER & SONS CO., Woodberry, Baltimore, Md.
Filed February 16, 1925. Serial No. 209,662. PUBLISHED APRIL 21, 1925.

200,261. NONALCOHOLIC, NONCEREAL, MALTLESS BEVERAGES. CALIFORNIA BOTTLING WORKS, Los Angeles, Calif.
Filed February 14, 1925. Serial No. 209,560. PUBLISHED APRIL 21, 1925.

200,262. PREVENTATIVES FOR VENEREAL DISEASES. JACOB SUNSHINE, doing business as Preventosan Laboratories, New York, N. Y.
Filed February 12, 1925. Serial No. 209,505. PUBLISHED APRIL 7, 1925.

200,263. HAIR COLOR RESTORER. NELSINE CHEMICAL CO., Chicago, Ill.
Filed February 12, 1925. Serial No. 209,480. PUBLISHED APRIL 7, 1925.

200,264. NONALCOHOLIC, MALTLESS BEVERAGE SOLD AS A SOFT DRINK. KERN KOLA MANUFACTURING CO., Dallas, Tex.
Filed February 10, 1925. Serial No. 209,352. PUBLISHED APRIL 21, 1925.

200,265. PERFUME, TOILET WATER, FACE POWDER, FACE CREAM, AND TALCUM POWDER. PARFUMERIE RIGAUD, INC., New York, N. Y.
Filed February 7, 1925. Serial No. 209,241. PUBLISHED MARCH 31, 1925.

200,266. MEDICINAL GLAND TONIC CONTAINING GOAT AND SHEEP GLANDS, IRON. IRONGLAND COMPANY, San Francisco, Calif.
Filed February 7, 1925. Serial No. 209,216. PUBLISHED MARCH 31, 1925.

200,267. INSECTICIDES. EARLE H. DUNBARR, Trinidad, Colo.
Filed February 7, 1925. Serial No. 209,210. PUBLISHED MARCH 31, 1925.

200,268. ANTIPHLOGISTIC AND LOCAL ANODYNE USED AS A POULTICE OR AS AN INUNCTION. THE WM. S. MERRELL COMPANY, Cincinnati, Ohio.
Filed February 6, 1925. Serial No. 209,171. PUBLISHED MARCH 31, 1925.

200,269. CARTONS, SHIPPING BOXES, AND CARDBOARD CONTAINERS. THE JACKSON BOX COMPANY, Norwood, Ohio.
Filed February 5, 1925. Serial No. 209,128. PUBLISHED APRIL 21, 1925.

200,270. MEDICINAL PREPARATION FOR DISORDERS OF THE STOMACH, LIVER, BLOOD, AND KIDNEYS, AND MEDICINAL DIGESTIVE PREPARATIONS. THE ABBEY-ROSS CORPORATION, New York, N. Y.
Filed February 5, 1925. Serial No. 209,116. PUBLISHED APRIL 7, 1925.

200,271. WHEAT FLOUR. SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass.
Filed February 2, 1925. Serial No. 209,004. PUBLISHED APRIL 21, 1925.

200,272. WHEAT FLOUR. SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass.
Filed February 2, 1925. Serial No. 209,003. PUBLISHED APRIL 21, 1925.

200,273. WHISKEY. OLD GRAND-DAD DISTILLERY CO., Louisville, Ky.
Filed January 30, 1925. Serial No. 208,864. PUBLISHED APRIL 21, 1925.

200,274. SKIN LOTION. SUTHO CO., Indianapolis, Ind.
Filed January 22, 1925. Serial No. 208,492. PUBLISHED MARCH 10, 1925.

200,275. BUTTER AND EGGS. JOHN POEHLMAN & SONS, Baltimore, Md.
Filed January 22, 1925. Serial No. 208,480. PUBLISHED APRIL 21, 1925.

200,276. WHEAT FLOUR. SUOMEN VALTAMERENTAKAINEN KAUPPA OY, Helsingfors, Finland.
Filed January 21, 1925. Serial No. 208,440. PUBLISHED APRIL 21, 1925.

200,277. WHEAT FLOUR. SUOMEN VALTAMERENTAKAINEN KAUPPA OY, Helsingfors, Finland.
Filed January 21, 1925. Serial No. 208,439. PUBLISHED APRIL 21, 1925.

200,278. TOOTHBRUSHES. ALFRED C. FONES, doing business as The Laroma Chemical Company, Bridgeport, Conn.
Filed January 10, 1925. Serial No. 207,927. PUBLISHED APRIL 21, 1925.

200,279. SHIPPING BASKETS. THE MARSHALL MANUFACTURING CO., Marshall, Tex.
Filed January 9, 1925. Serial No. 207,875. PUBLISHED MARCH 10, 1925.

200,280. LIGHTNING ARRESTERS. D. X. INSTRUMENT COMPANY, Harrisburg, Pa.
Filed January 9, 1925. Serial No. 207,860. PUBLISHED APRIL 21, 1925.

200,281. LOTION FOR THE SKIN AND COMPLEXION. MEYERS CORPORATION, INC., Mandan, N. Dak.
Filed January 6, 1925. Serial No. 207,750. PUBLISHED MARCH 31, 1925.

200,282. BISCUITS, CRACKERS, CAKES, AND COOKIES. NATIONAL BISCUIT COMPANY, Jersey City, N. J., and New York, N. Y.
Filed January 5, 1925. Serial No. 207,670. PUBLISHED APRIL 21, 1925.

200,283. WHEAT FLOUR. THE WILCOX-HAYES CO., Portland, Oreg.
Filed January 3, 1925. Serial No. 207,639. PUBLISHED APRIL 21, 1925.

200,284. BUCKWHEAT FLOUR. THE BERKEY MILLS, Penn Yan, N. Y.
Filed December 29, 1924. Serial No. 207,339. PUBLISHED APRIL 21, 1925.

200,285. FEED FOR ANIMALS—NAMELY, COMPOUNDED GROUND FEED CONTAINING AMONG OTHER THINGS CERTAIN MINERALS, SUCH FEED BEING USED TO SUPPLEMENT THE ORDINARY FEED OF HOGS. BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill.
Filed December 26, 1924. Serial No. 207,226. PUBLISHED APRIL 21, 1925.

200,286. SAFETY MATCHES. ED. POHL, Reval, Esthonia.
Filed December 16, 1924. Serial No. 206,801. PUBLISHED APRIL 21, 1925.

200,287. BISCUITS, BREAD, BUNS, CAKE, COOKIES, CRACKERS, DOUGHNUTS, FLOUR, MEAL, MUFFINS, PIES, PRETZELS, ROLLS, WAFERS, ZWIEBACK, BUTTER, JELLY, SOUP, AND SIRUP FOR FOOD PURPOSES. GEORGE F. JEFFERSON, doing business as Endless Life Food and Drink Company, Cincinnati, Ohio.
Filed November 18, 1924. Serial No. 205,481. PUBLISHED APRIL 21, 1925.

200,288. BREAKFAST FOOD THE PRINCIPAL INGREDIENT OF WHICH IS CORN MEAL. AUGUST GRUBB, Logansport, Ind.
Filed November 6, 1924. Serial No. 204,906. PUBLISHED APRIL 21, 1925.

200,289. PAPER DRINKING CUPS AND DISPENSERS THEREFOR. KALIX CUP COMPANY, Boston, Mass.
Filed August 20, 1924. Serial No. 201,665. PUBLISHED APRIL 21, 1925.

200,290. TALKING MACHINES. THE UDELL WORKS, Indianapolis, Ind.
Filed August 7, 1924. Serial No. 201,117. PUBLISHED APRIL 21, 1925.

200,291. MECHANICAL TOYS. KENNETH B. NOBLE, doing business as Noble Manufacturing Company, Hartford, Conn.
Filed June 16, 1924. Serial No. 198,667. PUBLISHED APRIL 21, 1925.

200,292. ELECTRICAL CONDENSERS. DUBILIER CONDENSER & RADIO CORPORATION, New York, N. Y.
Filed May 17, 1924. Serial No. 197,195. PUBLISHED APRIL 21, 1925.

200,293. TRAYS MADE OF PAPER OR FIBER. STEVENS & THOMPSON PAPER CO., New York, N. Y.
Filed May 10, 1924. Serial No. 196,888. PUBLISHED DECEMBER 23, 1924.

200,294. WIRELESS APPARATUS—NAMELY, COMPLETE RADIO RECEIVING SETS, VACUUM TUBES, VACUUM-TUBE UNITS, AND AMPLIFIERS. BURNDEPT LIMITED, London, England.
Filed February 29, 1924. Serial No. 193,026. PUBLISHED APRIL 21, 1925.

200,295. CEREALS—NAMELY, CORN MEAL, ROLLED OATS, POULTRY FEEDS, DAIRY FEEDS, MILL FEED, AND HARD-WHEAT FLOUR. KENWORTHY GRAIN & MILLING CO., Tacoma, Wash.
Filed February 18, 1924. Serial No. 192,488. PUBLISHED APRIL 21, 1925.

200,296. CHOCOLATE CANDY BARS FILLED WITH PEANUTS. JOSEPH A. CURTS, Detroit, Mich.
Filed December 26, 1923. Serial No. 190,091. PUBLISHED APRIL 21, 1925.

200,297. DRAWING AND LETTERING PENS. THE ESTERBROOK STEEL PEN MANUFACTURING COMPANY, Camden, N. J.
Filed March 5, 1925. Serial No. 210,541. PUBLISHED APRIL 14, 1925.

200,298. HAIR GOODS—NAMELY, HAIR PIECES WORN BY WOMEN AND GIRLS. YVETTE CO., New York, N. Y.
Filed February 27, 1925. Serial No. 210,262. PUBLISHED APRIL 7, 1925.

200,299. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed February 26, 1925. Serial No. 210,173. PUBLISHED APRIL 7, 1925.

200,300. DRESS SHIELDS. I. B. KLEINERT RUBBER COMPANY, New York, N. Y.
Filed February 26, 1925. Serial No. 210,172. PUBLISHED APRIL 7, 1925.

200,301. SKIN LOTION. EDAL PRODUCTS CO., Chicago, Ill.
Filed February 19, 1925. Serial No. 209,836. PUBLISHED APRIL 14, 1925.

200,302. INFANTS' FOOD. FRED LESLIE VILAS, doing business as LaCara Food Company, Pierre, S. Dak.
Filed February 18, 1925. Serial No. 209,824. PUBLISHED APRIL 14, 1925.

200,303. CONVERTIBLE AND STATIONARY DAVENPORTS, CHESTERFIELDS, CHAIRS, TABLES, ROCKERS, STOOLS, TABORETS, AND DAY BEDS. THE ERNEST J. SULTAN MANUFACTURING CO., San Francisco, Calif.
Filed February 18, 1925. Serial No. 209,820. PUBLISHED APRIL 7, 1925.

200,304. PICKLES. OMAR A. FANNING, Streator, Ill.
Filed February 17, 1925. Serial No. 209,727. PUBLISHED APRIL 14, 1925.

200,305. WOUND-HEALING SALVE. ATHANASIUS DZIUBINSKI, Holdingford, Minn.
Filed February 12, 1925. Serial No. 209,467. PUBLISHED APRIL 14, 1925.

200,306. ANALGESIC BALM. THE STANDARD REMEDY COMPANY, Baltimore, Md.
Filed February 11, 1925. Serial No. 209,436. PUBLISHED APRIL 14, 1925.

200,307. PREPARATION FOR THE TREATMENT OF CRAMPS, COLIC, SPASMS, ASTHMA, HICCOUGHS, AND INTERNAL SMOOTH MUSCLE PAIN. WILLIAM JOHN LOWRY, doing business as Punctual Pharmacals, Windsor Hills, Baltimore, Md.
Filed February 11, 1925. Serial No. 209,416. PUBLISHED APRIL 14, 1925.

200,308. PILLOWS. CHAS. EMMERICH & Co., Chicago, Ill.
Filed February 11, 1925. Serial No. 209,390. PUBLISHED APRIL 7, 1925.

200,309. COLLAR BUTTONS MADE OF COMPOUNDS OF PYROXYLIN. THE CELLULOID COMPANY, Newark, N. J., and New York, N. Y.
Filed February 11, 1925. Serial No. 209,385. PUBLISHED APRIL 7, 1925.

200,310. PEANUT BUTTER, OLIVES, SALAD DRESSING, MAYONNAISE, PICKLES, WHEAT FLOUR, CANNED FISH, MUSTARD, VINEGAR, SPICES, FOOD-FLAVORING EXTRACTS, AND COFFEE. PORTAGE WHOLESALE GROCERY CO., Portage, Wis.
Filed February 9, 1925. Serial No. 209,318. PUBLISHED APRIL 14, 1925.

200,311. PERFUMES. BOURJOIS, INC., New York, N. Y.
Filed February 9, 1925. Serial No. 209,274. PUBLISHED MARCH 31, 1925.

200,312. BIAS-FOLD TAPE. DAVID CAPLAN CO., Boston, Mass.
Filed February 7, 1925. Serial No. 209,200. PUBLISHED APRIL 7, 1925.

200,313. PERIODICAL PUBLICATIONS. RAY ANDREW CARLSON, Chicago, Ill.
Filed February 5, 1925. Serial No. 209,137. PUBLISHED APRIL 7, 1925.

200,314. TONIC FOR HAIR AND SCALP. ETTA IRVIN, Hamtramck, Mich.
Filed January 22, 1925. Serial No. 208,886. PUBLISHED APRIL 14, 1925.

200,315. BOOKS CONTAINING PUZZLES. JOSEPH E. AUSTRIAN, New York, N. Y.
Filed November 29, 1924. Serial No. 205,982. PUBLISHED APRIL 7, 1925.

200,316. NUTRITION SALT DERIVED FROM GRAINS USED AS A PHARMACEUTICAL PRODUCT. THEODORE B. WAGNER, New York, N. Y.
Filed November 29, 1924. Serial No. 206,045. PUBLISHED APRIL 14, 1925.

200,317. PUBLICATION ISSUED MONTHLY. W. B. KELLER PUBLISHING CO., New York, N. Y.
Filed November 28, 1924. Serial No. 205,926. PUBLISHED APRIL 7, 1925.

200,318. WRITING PAPER. FOX RIVER PAPER COMPANY, Appleton, Wis.
Filed October 29, 1924. Serial No. 204,550. PUBLISHED APRIL 7, 1925.

200,319. FOOD PRODUCTS. HESS BROS., New York, N. Y.
Filed October 23, 1924. Serial No. 204,317. PUBLISHED APRIL 14, 1925.

200,320. MUSICAL COMPOSITIONS AND PUBLICATIONS. DUNCAN SISTERS MUSIC PUBLISHERS, Chicago, Ill.
Filed October 23, 1924. Serial No. 204,310. PUBLISHED APRIL 7, 1925.

200,321. CORN AND SUGAR SIRUP. UNION STARCH & REFINING COMPANY, Columbus, Ind.
Filed October 15, 1924. Serial No. 203,916. PUBLISHED APRIL 14, 1925.

200,322. ICE CREAM. CHARLES SHARP, Lowell, Mass.
Filed October 9, 1924. Serial No. 203,659. PUBLISHED APRIL 14, 1925.

200,323. CERTAIN CHEMICAL, MEDICINAL, AND PHARMACEUTICAL PREPARATIONS. NEWTON, CHAMBERS & Co. LIMITED, Sheffield, England.
Filed September 26, 1924. Serial No. 203,087. PUBLISHED APRIL 14, 1925.

200,324. STOCK AND POULTRY TONIC. J. L. HOFFMAN Co., Allentown, Pa.
Filed September 2, 1924. Serial No. 202,114. PUBLISHED APRIL 14, 1925.

200,325. PRINTED PUBLICATION ISSUED PERIODICALLY—THAT IS TO SAY, MONTHLY. BROTHERHOOD INVESTMENT COMPANY, Mentor, Ohio.
Filed June 12, 1924. Serial No. 198,449. PUBLISHED APRIL 7, 1925.

200,326. DAILY COMIC STRIP IN EVENING WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed March 13, 1924. Serial No. 193,732. PUBLISHED APRIL 7, 1925.

200,327. DAILY COMIC STRIP IN THE EVENING WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed March 13, 1924. Serial No. 193,731. PUBLISHED APRIL 7, 1925.

200,328. DAILY COMIC STRIP IN EVENING WORLD NEWSPAPER. PRESS PUBLISHING COMPANY, New York, N. Y.
Filed March 13, 1924. Serial No. 193,729. PUBLISHED APRIL 7, 1925.

200,329. COTTON TAPE. FEDERAL YARN CORPORATION, New York, N. Y.
Filed February 29, 1924. Serial No. 193,036. PUBLISHED APRIL 7, 1925.

200,330. CANDIES—NAMELY, CHOCOLATE WAFERS, CHOCOLATE CIGARETTES, AND CHOCOLATE PIECES. LOUIS CELLA, INC., New York, N. Y.
Filed February 23, 1924. Serial No. 192,673. PUBLISHED APRIL 14, 1925.

200,331. LEATHER GLOVES. SOCIETE ANONYME DES GANTS BUSCARLET, Paris, France.
Filed February 8, 1924. Serial No. 192,044. PUBLISHED APRIL 14, 1925.

200,332. COLLOIDAL-SULPHUR AND LIME-SULPHUR SOLUTION. HERBERT & HERBERT, INC., Perth Amboy, N. J.
Filed February 2, 1924. Serial No. 191,705. PUBLISHED APRIL 14, 1925.

200,333. FURNITURE AND FIXTURES FOR BANKS, STORES, OFFICES, AND JEWELRY ESTABLISHMENTS. GEORGIA SHOW CASE CO., Montgomery, Ala.
Filed January 5, 1923. Serial No. 174,204. PUBLISHED APRIL 7, 1925.

200,334. RICE, PREPARED MUSTARD, AND TOMATO CATCHUP. JOHN SEXTON AND COMPANY, Chicago, Ill.
Filed October 31, 1923. Serial No. 187,773. PUBLISHED APRIL 14, 1925.

200,335. GUM ARABIC, GUM TRAGACANTH, PERFUMERY ESSENTIAL OILS, THYMOL, MENTHOL, OXALIC ACID, STARCH, AND BAY RUM. ORRIS PRODUCTS TRADING CO., INC., New York, N. Y.
Filed February 25, 1925. Serial No. 210,135. PUBLISHED APRIL 14, 1925.

200,336. MEDICINAL PREPARATION EXERCISING A REMEDIAL EFFECT IN THE TREATMENT OF INDIGESTION AND STOMACH TROUBLE. MAURICE MURPHY, doing business as Murphy Remedies Company, Pittsburgh, Pa.
Filed February 25, 1925. Serial No. 210,134. PUBLISHED APRIL 14, 1925.

200,337. MULTIGERMICIDES AND BLOOD AND NERVE CORRECTIVES. THE RAND SANATORIUM COMPANY, Atwood, Kans.
Filed February 24, 1925. Serial No. 210,082. PUBLISHED APRIL 14, 1925.

200,338. COUGH MEDICINE. LUCY BUDDEN, doing business as Mrs. G. H. Windsor, Hamilton, Mont.
Filed February 24, 1925. Serial No. 210,042. PUBLISHED APRIL 14, 1925.

200,339. MEDICINAL PREPARATION FOR THE TREATMENT OF CONSTIPATION. W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y.
Filed February 21, 1925. Serial No. 209,994. PUBLISHED APRIL 14, 1925.

200,340. MEDICINAL PREPARATION FOR THE TREATMENT OF OBESITY. W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y.
Filed February 21, 1925. Serial No. 209,992. PUBLISHED APRIL 14, 1925.

200,341. DEODORANT. W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y.
Filed February 21, 1925. Serial No. 209,991. PUBLISHED APRIL 14, 1925.

200,342. HAIRDRESSING. ONAOLA COSMETIC CO., Los Angeles, Calif.
Filed February 20, 1925. Serial No. 209,935. PUBLISHED APRIL 14, 1925.

200,343. TALCUM POWDER. THE MENNEN COMPANY, Newark, N. J.
Filed February 19, 1925. Serial No. 209,856. PUBLISHED MARCH 31, 1925.

200,344. MEDICINAL PREPARATION OF GUAIACOL. EDGAR GILBERT, doing business as Gilbert Laboratories, White Plains, N. Y.
Filed February 19, 1925. Serial No. 209,841. PUBLISHED APRIL 14, 1925.

200,345. TONIC MEDICINE. JULIAN DIAZ, doing business as J. Diaz Medicine Company, Tampa, Fla.
Filed February 19, 1925. Serial No. 209,834. PUBLISHED APRIL 14, 1925.

200,346. PENETRATING APPLICATION FOR RELIEF OF CERTAIN AILMENTS. CLARENCE P. WYNNE, doing business as Red Dragon Laboratories, Scranton, Pa.
Filed February 12, 1925. Serial No. 209,520. PUBLISHED APRIL 14, 1925.

200,347. CERTAIN TOILET PREPARATIONS. LOS ANGELES BARBER SUPPLY CO. INC., Los Angeles, Calif.
Filed February 12, 1925. Serial No. 209,484. PUBLISHED MARCH 31, 1925.

200,348. ANTISEPTIC HEALING AND SOOTHING OINTMENT. LAMBROS & SONS, Bellaire, Ohio.
Filed February 11, 1925. Serial No. 209,413. PUBLISHED MARCH 31, 1925.

200,349. LOCAL ANESTHETIC. GEORGE H. KRUG, doing business as Anesthae Chemical Co., Baltimore, Md.
Filed February 11, 1925. Serial No. 209,409. PUBLISHED MARCH 31, 1925.

200,350. CORN AND BUNION TREATMENT. EDWARD A. NOLAN, St. Paul, Minn.
Filed February 9, 1925. Serial No. 209,313. PUBLISHED MARCH 31, 1925.

200,351. BLEND OF OILS FOR TREATING THE HAIR AFTER PERMANENT WAVING. GLENN B. FRAZE, doing business as Fraze Laboratories, Los Angeles, Calif.
Filed February 9, 1925. Serial No. 209,289. PUBLISHED MARCH 31, 1925.

200,352. PREPARATIONS TO BE USED IN THE PERMANENT WAVING OF THE HAIR. EUGENE LTD., New York, N. Y.
Filed February 9, 1925. Serial No. 209,286. PUBLISHED MARCH 31, 1925.

200,353. CHEMICAL PREPARATIONS FOR WAVING OR CURLING OF THE HAIR. THE BIESONI PROCESS CO., INC., Long Island City, N. Y.
Filed February 9, 1925. Serial No. 209,273. PUBLISHED MARCH 31, 1925.

200,354. PERFUME, TOILET WATER, FACE POWDER, FACE CREAM, AND TALCUM POWDER. PARFUMERIE RIGAUD, INC., New York, N. Y.
Filed February 7, 1925. Serial No. 209,242. PUBLISHED MARCH 31, 1925.

200,355. DYES. GLORIENT, INC., New York, N. Y.
Filed February 5, 1925. Serial No. 209,124. PUBLISHED MARCH 31, 1925.

200,356. PREPARATION FOR THE TREATMENT OF ECZEMA AND DANDRUFF. JAMES FRANCIS RYAN, Diagonal, Iowa.
Filed February 4, 1925. Serial No. 209,108. PUBLISHED MARCH 31, 1925.

200,357. MEDICINE FOR BRONCHITIS, BRONCHIAL IRRITATION, AND OTHER SPASMODIC CONDITIONS OF THE RESPIRATORY TRACT. SMITH, KLINE & FRENCH COMPANY, Philadelphia, Pa.
Filed February 2, 1925. Serial No. 209,008. PUBLISHED MARCH 31, 1925.

200,358. INCENSE. THE CRYSTAL CHEMICAL CO., INC., New York, N. Y.
Filed February 2, 1925. Serial No. 208,960. PUBLISHED MARCH 31, 1925.

200,359. CONDITION AND TONIC TABLETS FOR DOGS. SACOL LABORATORY, Brooklyn, N. Y.
Filed January 24, 1925. Serial No. 208,613. PUBLISHED APRIL 7, 1925.

200,360. TOILET WATERS, PERFUMES, AND CREAMS. CHARLES H. DENT, doing business as Dent Chemical Company, Grand Rapids, Mich.
Filed January 24, 1925. Serial No. 208,574. PUBLISHED APRIL 7, 1925.

200,361. RADIO RECEIVING SETS AND PARTS THEREOF. MUSICAL PRODUCTS DISTRIBUTING CO. INC., New York, N. Y.
Filed January 20, 1925. Serial No. 208,356. PUBLISHED APRIL 21, 1925.

200,362. TELEPHONE MOUTHPIECES. FREDERICK A. WATKINS, doing business as The Colytt Laboratories, Chicago, Ill.
Filed January 19, 1925. Serial No. 208,327. PUBLISHED APRIL 21, 1925.

200,363. PHONOGRAPH RECORDS, BOTH RECORDING AND REPRODUCING; PHONOGRAPH APPARATUS FOR RECORDING AND REPRODUCING SOUNDS—NAMELY, SOUND-RECORDING MACHINES AND REPRODUCING PHONOGRAPHS; AUTOMATIC MUSICAL INSTRUMENTS OF THE CHARACTER KNOWN AS MULTIPLE-PLAYING PHONOGRAPHS; PARTS FOR SUCH PHONOGRAPHS, RECORDING MACHINES, AND AUTOMATIC MUSICAL INSTRUMENTS; ALSO THE FOLLOWING ACCESSORIES THEREFOR—NAMELY, NEEDLES, STOP MECHANISM, MECHANICAL PHONOGRAPH MOTORS, REPRODUCERS, RECORDERS, DIAPHRAGMS, NEEDLE CUPS, HORNS, AND TONE-ARMS, ENVELOPES, AND ALBUMS. COLUMBIA PHONOGRAPH COMPANY, INC., Bridgeport, Conn.
Filed January 15, 1925. Serial No. 208,127. PUBLISHED APRIL 21, 1925.

200,364. [WITHDRAWN.]

200,365. ELECTRIC-IRON CORD SETS, FLATIRONS, TOASTERS, AIR HEATERS, AND GRILLS. MORRIS KERSTEN, doing business as Kersten Electric Company, Chicago, Ill.
Filed December 22, 1924. Serial No. 207,062. PUBLISHED APRIL 21, 1925.

200,366. TOBACCO POUCHES; CIGAR, CIGARETTE, AND PIPE CASES; AND LEATHER-COVERED HUMIDORS. H. L. ROGERS CO., INC., New York, N. Y.
Filed December 19, 1924. Serial No. 206,977. PUBLISHED APRIL 21, 1925.

200,367. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND WATCH DIALS. PICARD, HERMANN & FILS, ALEXORA WATCH MANUFACTORY, La Chaux-de-Fonds, Switzerland.
Filed December 19, 1924. Serial No. 206,975. PUBLISHED APRIL 21, 1925.

200,368. FEED FOR CATTLE—NAMELY, DAIRY MEAL AND ESSENTIAL MINERALS FOR CATTLE, EACH OF WHICH COMPRISES A COMPOUNDED GROUND FEED HAVING, AMONG OTHER THINGS, VARIOUS MINERALS WHICH ARE ESSENTIAL OR DESIRABLE INGREDIENTS FOR CATTLE FEED. BLATCHFORD CALF MEAL COMPANY, Waukegan, Ill.
Filed December 15, 1924. Serial No. 206,716. PUBLISHED APRIL 21, 1925.

200,369. HAM. JEMIMA DAVIDSON, doing business as J. Davidson & Son, New Bedford, Mass.
Filed November 17, 1924. Serial No. 205,396. PUBLISHED APRIL 21, 1925.

200,370. RADIO RECEIVING SETS. RESAS, INC., New York, N. Y.
Filed November 7, 1924. Serial No. 204,979. PUBLISHED APRIL 21, 1925.

200,371. WHITE CORN MEAL, YELLOW CORN MEAL, GRAHAM FLOUR, WHOLE-WHEAT FLOUR, BUCKWHEAT FLOUR, EGG MASH, GROWING MASH, CHICK FEED, AND SCRATCH FEED. OMER G. WHELAN, Richmond, Ind.
Filed September 29, 1924. Serial No. 203,215. PUBLISHED APRIL 21, 1925.

200,372. ELECTRICAL APPLIANCES. BAKELITE CORPORATION, New York, N. Y.
Filed September 13, 1924. Serial No. 202,578. PUBLISHED APRIL 7, 1925.

200,373. CARBON PAPER. CHEMICAL PROCESS CORPORATION, Chicago, Ill.
Filed July 10, 1924. Serial No. 199,820. PUBLISHED APRIL 7, 1925.

200,374. SHOES, BOOTS, AND SLIPPERS MADE OF LEATHER AND LEATHER IN COMBINATION WITH FABRIC AND ELASTIC GORING AND WITH RUBBER HEELS. SCHOLL MANUFACTURING COMPANY, INC., Chicago, Ill.
Filed June 27, 1924. Serial No. 199,253. PUBLISHED APRIL 7, 1925.

200,375. ELECTRICAL SWITCHES. ALLEN-BRADLEY COMPANY, Milwaukee, Wis.
Filed May 16, 1924. Serial No. 197,126. PUBLISHED APRIL 21, 1925.

200,376. WATCHES, WATCHCASES, WATCH MOVEMENTS, AND PARTS THEREOF. THE KEYSTONE WATCH CASE COMPANY, Philadelphia, Pa.
Filed March 15, 1924. Serial No. 193,838. PUBLISHED APRIL 21, 1925.

200,377. WATCHES, WATCH MOVEMENTS, WATCHCASES, CLOCKS, AND PARTS THEREOF. HOFFMAN BROS., INC., New York, N. Y.
Filed February 11, 1924. Serial No. 192,122. PUBLISHED APRIL 21, 1925.

200,378. BOOTS AND SHOES MADE WHOLLY OR IN PART OF LEATHER. LOUIS W. GORDON CO. INC., New York, N. Y., assignor to N. B. Thayer & Co. Inc., East Rochester, N. H., a Corporation of Maine.
Filed February 20, 1923. Serial No. 176,339. PUBLISHED APRIL 7, 1925.

200,379. ELECTRICAL SOUND MAGNIFYING AND AMPLIFYING DEVICES CONSISTING OF LOUD SPEAKERS AND HORNS THEREFOR. THE MACNAVOX COMPANY, Oakland, Calif.
Filed October 11, 1922. Serial No. 170,588. PUBLISHED APRIL 7, 1925.

200,380. ELECTRIC-LIGHTING FIXTURES. COLONIAL LAMP & FIXTURE WORKS, Chicago, Ill., assignor to Colonial Lamp & Fixture Works, Chicago, Ill., a Corporation of Illinois.
Filed September 30, 1921. Serial No. 153,541. PUBLISHED APRIL 7, 1925.

200,381. SELF-RISING FLOUR. AUNT JEMIMA MILLS COMPANY, St. Joseph, Mo.
Filed February 26, 1925. Serial No. 210,156. PUBLISHED APRIL 21, 1925.

200,382. WHEAT FLOUR. BAY STATE MILLING COMPANY, Winona, Minn.
Filed February 24, 1925. Serial No. 210,033. PUBLISHED APRIL 21, 1925.

200,383. ELECTRICAL SWITCHES. THE JOHNS-PRATT COMPANY, Hartford, Conn.
Filed February 19, 1925. Serial No. 209,850. PUBLISHED APRIL 21, 1925.

200,384. ELECTRICAL SWITCHES. THE JOHNS-PRATT COMPANY, Hartford, Conn.
Filed February 19, 1925. Serial No. 209,849. PUBLISHED APRIL 21, 1925.

200,385. CREAM CRACKERS. PACIFIC COAST BISCUIT COMPANY, Seattle, Wash.
Filed February 12, 1925. Serial No. 209,494. PUBLISHED APRIL 21, 1925.

200,386. HEELS MADE OF WOOD, LEATHER, AND LEATHERBOARD. AMERICAN HEEL CO., Nashua, N. H.
Filed February 11, 1925. Serial No. 209,274. PUBLISHED APRIL 14, 1925.

200,387. ELECTRICAL APPARATUS AND MACHINES, PARTICULARLY PORTABLE ELECTRIC TOOLS FOR BORING, DRILLING, GRINDING, REAMING, AND TAPPING, ALSO GENERATOR SETS FOR OPERATING SUCH TOOLS. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed February 9, 1925. Serial No. 209,278. PUBLISHED APRIL 21, 1925.

200,388. MEN'S CAPS AND HATS. U-PROFIT MANUFACTURING CO. INC., New York, N. Y.
Filed February 7, 1925. Serial No. 209,256. PUBLISHED APRIL 7, 1925.

200,389. CENTRIFUGAL MACHINES. THE SHARPLES SPECIALTY CO., Philadelphia, Pa.
Filed February 6, 1925. Serial No. 209,180. PUBLISHED APRIL 7, 1925.

200,390. BRASSIÈRES, GIRDLES, CORSETS, COMBINATIONS OF BRASSIÈRES AND GIRDLES, AND COMBINATIONS OF BRASSIÈRES AND CORSETS. WEINGARTEN BROS., New York, N. Y.
Filed February 4, 1925. Serial No. 209,114. PUBLISHED APRIL 14, 1925.

200,391. SHOE SOLES. ABRAHAM STEIN, Washington, D. C.
Filed February 3, 1925. Serial No. 209,059. PUBLISHED APRIL 14, 1925.

200,392. WHEAT FLOUR. SANDS, TAYLOR & WOOD COMPANY, Somerville, Mass.
Filed February 2, 1925. Serial No. 209,005. PUBLISHED APRIL 21, 1925.

200,393. STRINGS FOR HARPS AND VIOLINS AND SIMILAR STRINGED MUSICAL INSTRUMENTS. ROCCO SALERNI, doing business as The Salerni Co., Astoria, N. Y.
Filed February 2, 1925. Serial No. 209,002. PUBLISHED APRIL 21, 1925.

200,394. FABRIC AND COMBINATION FABRIC AND LEATHER GLOVES. INDIANAPOLIS GLOVE COMPANY, Indianapolis, Ind.
Filed February 2, 1925. Serial No. 208,986. PUBLISHED APRIL 14, 1925.

200,395. FOOD PRODUCTS—NAMELY, NUTS IN THEIR NATURAL STATE, BEANS, PEAS, AND FIGS IN A DRIED STATE. BENNETT DAY IMPORTING COMPANY, INC., New York, N. Y.
Filed January 31, 1925. Serial No. 208,893. PUBLISHED APRIL 21, 1925.

200,396. ELECTRON TUBE AMPLIFICATION UNITS OR STAGES, COMPLETE RADIOFREQUENCY AMPLIFIERS, AND COMPLETE RADIO RECEIVING SETS CONTAINING ELECTRON-TUBE CIRCUITS. GENERAL INSTRUMENT CORPORATION, New York, N. Y.
Filed January 30, 1925. Serial No. 208,849. PUBLISHED APRIL 21, 1925.

200,397. ELECTRICAL INSULATION COMPOUND FOR USE IN ELECTRICAL AND RADIO APPARATUS. GENERAL INSTRUMENT CORPORATION, New York, N. Y.
Filed January 30, 1925. Serial No. 208,848. PUBLISHED APRIL 21, 1925.

200,398. SPARK PLUGS. TRAMPS SPARK PLUG CO., INC., St. Louis, Mo.
Filed January 28, 1925. Serial No. 208,790. PUBLISHED APRIL 21, 1925.

200,399. PREPARATION OF CHOCOLATE OR COCOA FOR BEVERAGES. GILLIES COFFEE CO., New York, N. Y.
Filed January 28, 1925. Serial No. 208,757. PUBLISHED APRIL 21, 1925.

200,400. RADIODIALS. ELECTRICAL RESEARCH LABORATORIES, INC., Chicago, Ill.
Filed January 26, 1925. Serial No. 208,645. PUBLISHED APRIL 21, 1925.

200,401. ELECTRICAL APPARATUS AND MACHINES, PARTICULARLY PORTABLE ELECTRIC TOOLS FOR BORING, DRILLING, GRINDING, REAMING, AND TAPPING, ALSO GENERATOR SETS FOR OPERATING SUCH TOOLS. CHICAGO PNEUMATIC TOOL COMPANY, New York, N. Y.
Filed January 23, 1925. Serial No. 208,509. PUBLISHED APRIL 21, 1925.

200,402. OLEOMARGARINE. THE BALTIMORE BUTTERINE COMPANY, Baltimore, Md.
Filed January 23, 1925. Serial No. 208,499. PUBLISHED APRIL 21, 1925.

200,403. PREPARATION FOR THICKENING, COLORING, AND SEASONING GRAVY, SOUPS, AND STEWS. CEREBOS, LIMITED, Durham and London, England.
Filed January 30, 1925. Serial No. 208,842. PUBLISHED APRIL 14, 1925.

200,404. NAME OF PUBLICATION. NEWSPAPER ADVERTISER PUBLISHING COMPANY, INC., New York, N. Y.
Filed January 24, 1925. Serial No. 208,604. PUBLISHED APRIL 7, 1925.

200,405. LYE. PENNSYLVANIA SALT MANUFACTURING CO., Philadelphia, Pa.
Filed January 22, 1925. Serial No. 208,478. PUBLISHED MARCH 31, 1925.

200,406. PREPARATION FOR THE TREATMENT OF CYSTITIS, GONORRHEA, GONORRHEAL RHEUMATISM, OVARITIS, PROSTATITIS, AND SYPHILIS. WALTER G. PRAETER, Silver City, Miss.
Filed January 22, 1925. Serial No. 208,481. PUBLISHED MARCH 31, 1925.

200,407. BLANK OR PARTIALLY-PRINTED TAGS. DENNISON MANUFACTURING COMPANY, Framingham, Mass.
Filed January 19, 1925. Serial No. 208,283. PUBLISHED APRIL 7, 1925.

200,408. AUXILIARY HAIR PIECES. HYMAN & OPPENHEIM, New York, N. Y.
Filed January 15, 1925. Serial No. 208,142. PUBLISHED APRIL 7, 1925.

200,409. CERTAIN MEDICINES AND PHARMACEUTICAL PREPARATIONS. WILLIAM J. BENJAMIN, doing business as Benjamin Drug Co., Midland Park, N. J.
Filed January 15, 1925. Serial No. 208,124. PUBLISHED APRIL 14, 1925.

200,410. EVAPORATED MILK. SHERMAN AND COMPANY, New York, N. Y.
Filed January 13, 1925. Serial No. 208,073. PUBLISHED APRIL 14, 1925.

200,411. LOUD-SPEAKING TELEPHONES, TELEPHONE RECEIVERS, TRANSFORMERS, TELEPHONE JACKS, RHEOSTATS, INDUCTANCE COILS, CONDENSERS, AND SWITCHES. ELECTRICAL PRODUCTS MANUFACTURING COMPANY, Providence, R. I.
Filed January 10, 1925. Serial No. 207,922. PUBLISHED APRIL 14, 1925.

200,412. REVOLVING DUPLICATORS (GELATIN TYPE). FELIX F. DAUS DUPLICATOR COMPANY, INC., New York, N. Y.
Filed January 9, 1925. Serial No. 207,854. PUBLISHED APRIL 7, 1925.

200,413. TWINE. L. HYMAN & SONS, doing business as Red Seal Mills, New York, N. Y.
Filed January 2, 1925. Serial No. 207,575. PUBLISHED APRIL 7, 1925.

200,414. PINE OIL. ACME PRODUCTS COMPANY, New Orleans and De Quincy, La.
Filed January 2, 1925. Serial No. 207,540. PUBLISHED APRIL 14, 1925.

200,415. TRANSFORMATIONS AND WIGS. LOUIS RUFFIO, doing business as R. Louis, New York, N. Y.
Filed December 29, 1924. Serial No. 207,406. PUBLISHED APRIL 7, 1925.

200,416. POTATOES. WILLIAM HENRY JOSEPH KAVANAGH, Chicago, Ill.
Filed December 29, 1924. Serial No. 207,387. PUBLISHED APRIL 14, 1925.

200,417. CANNED FISH. ANTONIO PALMIGIANO, Rochester, N. Y.
Filed December 18, 1924. Serial No. 206,916. PUBLISHED APRIL 14, 1925.

200,418. CANNED FISH, CANNED VEGETABLES, AND RELISHES—NAMELY, BELL PEPPERS STUFFED WITH TUNNY FISH AND GARNISHED WITH PIMIENTO. HALFHILL PACKING CORP., Long Beach, Calif.
Filed December 16, 1924. Serial No. 206,783. PUBLISHED APRIL 14, 1925.

200,419. CERTAIN TOILET AND PHARMACEUTICAL PREPARATIONS. DOROTHY GRAY, New York, N. Y.
Filed December 16, 1924. Serial No. 206,781. PUBLISHED APRIL 14, 1925.

200,420. DRESSED POULTRY AND EGGS. PRIEBE & SONS, INC., Chicago, Ill.
Filed December 15, 1924. Serial No. 206,749. PUBLISHED APRIL 14, 1925.

200,421. BUTTER AND EGGS. H. A. HOVEY & CO., Boston, Mass.
Filed December 11, 1924. Serial No. 206,577. PUBLISHED APRIL 14, 1925.

200,422. UPHOLSTERED DIVANS AND UPHOLSTERED CHAIRS. KOMFORT FURNITURE MANUFACTURING COMPANY, INC., Boston, Mass.
Filed December 3, 1924. Serial No. 206,173. PUBLISHED APRIL 7, 1925.

200,423. MEDICINE FOR THE ELIMINATION OF PUS FROM THE SYSTEM. THOMAS C. MILLER, doing business as Pusgo Company, Cleveland, Ohio.
Filed January 22, 1925. Serial No. 208,474. PUBLISHED MARCH 31, 1925.

200,424. BABY POWDER. CHARLES AMMEN COMPANY, LTD., Alexandria, La.
Filed January 22, 1925. Serial No. 208,446. PUBLISHED APRIL 7, 1925.

200,425. DYES. MONROE DRUG COMPANY, Quincy, Ill.
Filed January 21, 1925. Serial No. 208,415. PUBLISHED MARCH 31, 1925.

200,426. MEDICINAL PREPARATION FOR USE AS A GENERAL TONIC. DR. RICHARDS DISPEPSIA TABLET ASSOCIATION, New York, N. Y.
Filed January 17, 1925. Serial No. 208,261. PUBLISHED MARCH 31, 1925.

200,427. LOTION FOR CHAPPED HANDS AND FACE. ARLINGTON MFG. CO., Clarendon, Va.
Filed January 7, 1925. Serial No. 207,773. PUBLISHED MARCH 31, 1925.

200,428. ANTISEPTIC PREPARATION FOR THE TREATMENT OF PYORRHEA, RECEDING AND BLEEDING GUMS. AMBROSE L. HILL, doing business as A. L. Hill, D. D. S., Kingston, N. Y.
Filed January 6, 1925. Serial No. 207,741. PUBLISHED MARCH 31, 1925.

200,429. MEDICINE TO BE USED IN THE TREATMENT OF FUNCTIONAL DISORDERS OF THE LUNGS AND AILMENTS ARISING FROM COUGHS AND COLDS. ANNIE ELIZABETH MUHRMANN, Danville, Ill.
Filed January 3, 1925. Serial No. 207,625. PUBLISHED APRIL 7, 1925.

200,430. HAIR TONIC. BEEMS AND WILLIAMSON, doing business as Bewilda Products Co., Los Angeles, Calif.
Filed January 8, 1925. Serial No. 207,612. PUBLISHED MARCH 31, 1925.

200,431. PERFUME, TOILET WATER, COLD CREAM, FACE POWDER, TALCUM POWDER, AND SACHET POWDER. PEGGY HOYT, INC., New York, N. Y.
Filed December 18, 1924. Serial No. 206,897. PUBLISHED MARCH 31, 1925.

200,432. VAGINAL SUPPOSITORIES. MILTON IVES LEVY, New York, N. Y.
Filed December 5, 1924. Serial No. 206,319. PUBLISHED APRIL 7, 1925.

200,433. SALVE AND LINIMENT FOR CERTAIN USES. E. MILLER, Milwaukee, Wis., and Chicago, Ill.
Filed December 4, 1924. Serial No. 206,253. PUBLISHED APRIL 7, 1925.

200,434. PREPARATIONS OF AN OILY NATURE FOR TREATING TEXTILE FABRICS. E. F. HOUGHTON & Co., Philadelphia, Pa.
Filed December 1, 1924. Serial No. 206,071. PUBLISHED MARCH 31, 1925.

200,435. RADIO SETS; RADIO APPARATUS—NAMELY, RECEIVING AND TRANSMITTING SETS AND PARTS THEREOF, TRANSFORMERS, AMPLIFYING HORNS, CONDENSERS, HEAD SETS, AND PARTS THEREOF. WILLIAM KRANZ, doing business as Dynamic Radio Company and Mike's Radio Shops, New York, N. Y.
Filed November 26, 1924. Serial No. 205,879. PUBLISHED APRIL 7, 1925.

200,436. COLD CREAM, HAIR TONIC, AND DANDRUFF REMEDY. UKEMCO CORPORATION, doing business as Gibson-Howell Company, Inc., New York, N. Y.
Filed November 18, 1924. Serial No. 205,499. PUBLISHED APRIL 7, 1925.

200,437. BOILER AND RADIATOR LIQUIDS. PAUL J. SCANLON, doing business as Checker Chemical Company, Boston, Mass.
Filed November 18, 1924. Serial No. 205,492. PUBLISHED JANUARY 20, 1925.

200,438. DENTAL POWDER FOR ASSISTING IN HOLDING DENTAL PLATES IN THE MOUTH. CORREGA CHEMICAL COMPANY, Cleveland, Ohio.
Filed October 11, 1924. Serial No. 203,719. PUBLISHED MARCH 31, 1925.

200,439. HAIR GROWER. D. C. SMITH, Kane, Pa.
Filed October 8, 1924. Serial No. 203,609. PUBLISHED MARCH 31, 1925.

200,440. BATTERY TERMINAL COMPOUND. THE NATIONAL CABLE COMPOUND COMPANY, INCORPORATED, Mitchell, Ind.
Filed August 20, 1924. Serial No. 201,671. PUBLISHED MARCH 31, 1925.

200,441. BLEACHING FLUID AND CORMOND WATER. ARTHUR J. GIROUARD, doing business as The Wonder Chemical Company, West Springfield, Mass.
Filed July 11, 1924. Serial No. 199,916. PUBLISHED APRIL 7, 1925.

200,442. HAND LOTION. MORTIMER W. SARGEANT, East Orange, N. J.
Filed August 28, 1923. Serial No. 185,092. PUBLISHED JANUARY 1, 1924.

200,443. FACE POWDERS. PARFUMERIE RIGAUD, INC., New York, N. Y.
Filed March 13, 1925. Serial No. 210,980. PUBLISHED APRIL 21, 1925.

200,444. NONIRRITATING ASTRINGENT AND ANTISEPTIC OINTMENT. LEHN & FINK, INC., New York, N. Y.
Filed March 3, 1925. Serial No. 210,476. PUBLISHED APRIL 21, 1925.

200,445. RECORD-WRITING MACHINES. PERMATYPE RECORD WRITING MACHINE COMPANY, Newark, N. J.
Filed February 28, 1925. Serial No. 210,314. PUBLISHED APRIL 21, 1925.

200,446. POCKETKNIVES. PATRICK J. CUMMINGS, doing business as The Jewelry and Cutlery Novelty Company, North Attleboro, Mass.
Filed February 28, 1925. Serial No. 210,291. PUBLISHED APRIL 21, 1925.

200,447. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,103. PUBLISHED APRIL 21, 1925.

200,448. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,102. PUBLISHED APRIL 21, 1925.

200,449. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,100. PUBLISHED APRIL 21, 1925.

200,450. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,099. PUBLISHED APRIL 21, 1925.

200,451. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,098. PUBLISHED APRIL 21, 1925.

200,452. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,097. PUBLISHED APRIL 21, 1925.

200,453. MEDICINES FOR COLDS, GRIPPE, AND INFLUENZA. CARL H. OERTEL, Baltimore, Md.
Filed December 17, 1924. Serial No. 206,856. PUBLISHED APRIL 21, 1925.

200,454. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,096. PUBLISHED APRIL 21, 1925.

200,455. WOODEN TOOL HANDLES. TURNER DAY & WOOLWORTH HANDLE COMPANY, Louisville, Ky.
Filed February 24, 1925. Serial No. 210,093. PUBLISHED APRIL 21, 1925.

200,456. ELECTRICAL ENGINE AND BELT DRIVEN POWER PUMPS. THE COLUMBUS GEAR & PUMP COMPANY, Columbus, Ohio.
Filed February 17, 1925. Serial No. 209,721. PUBLISHED APRIL 21, 1925.

200,457. JAPAN COLORS, VARNISHES, PRIMERS, PAINT ENAMELS, MIXED PAINTS, NITROCELLULOSE LACQUERS, FINISHES, AND UNDERCOATINGS, AND PYROXYLIN ENAMEL FINISHES AND UNDERCOATINGS. DITZLER COLOR CO., Detroit, Mich.
Filed February 11, 1925. Serial No. 209,389. PUBLISHED APRIL 21, 1925.

200,458. LACQUERS, READY-MIXED PAINTS, VARNISHES, COLORS, AND UNDERCOATINGS. C. A. WILLEY COMPANY, Long Island City, N. Y.
Filed January 30, 1925. Serial No. 208,883. PUBLISHED APRIL 21, 1925.

200,459. READY-MIXED PAINT. DETROIT GRAPHITE COMPANY, Detroit, Mich.
Filed January 17, 1925. Serial No. 208,220. PUBLISHED APRIL 21, 1925.

200,460. BOILED OR RAW LINSEED OIL, TURPENTINE AND SUBTURPENTINE, PREPARED SHELLACS, READY-MIXED PAINTS, VARNISHES, AND FURNITURE POLISHES. HALL PAINT COMPANY, INC., Buffalo, N. Y.
Filed January 2, 1925. Serial No. 207,565. PUBLISHED APRIL 21, 1925.

200,461. PORTABLE AND HAND-OPERATED SPRAYERS AND PARTS THEREOF. THE HUDSON MANUFACTURING COMPANY, Minneapolis, Minn.
Filed December 30, 1924. Serial No. 207,463. PUBLISHED APRIL 21, 1925.

200,462. CHEMICAL STAIN REMOVER AND CLEANER AND NAP RAISER FOR FABRICS. THE REID-SEELEY COMPANY, INC., New York, N. Y.
Filed December 6, 1924. Serial No. 206,375. PUBLISHED APRIL 21, 1925.

200,463. VARNISHES, DRY PAINTS, PASTE PAINTS, READY-MIXED PAINTS, AND COLORS AND DYES USED IN CONNECTION THEREWITH. BINALD BROTHERS PAINT WORKS, INC., Philadelphia, Pa.
Filed December 3, 1924. Serial No. 206,190. PUBLISHED APRIL 21, 1925.

200,464. OIL STAINS. MARX & RAWOLLE INC., New York, N. Y.
Filed October 15, 1924. Serial No. 203,887. PUBLISHED APRIL 21, 1925.

[ACT OF MARCH 19, 1920, SEC. 1 (b)].

THESE REGISTRATIONS ARE NOT SUBJECT TO OPPOSITION.

200,465. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) OTTO Q. BECKWORTH, doing business as Bee Gee Bee Manufacturing Co., Los Angeles, Calif. Filed Dec. 24, 1924. Serial No. 207,171.

STEDIHEAT

Particular description of goods.—Electrically-Heated Devices—Namely, Sadirons, Soldering Irons, Vulcanisers, Coffee Urns, Warming Pads, Curling Irons, Heating Element for Water Heating, Water Heaters, Waffle Irons, Current Regulators, Toasters, Baking Ovens, and Drying Ovens.
Claims use since Apr. 14, 1924.

200,466. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) WEAVER-JACKSON CO. INC., Los Angeles, Calif. Filed Apr. 28, 1925. Serial No. 213,468.

HERBO HENNA

Particular description of goods.—Hair Dye.
Claims use since 1923.

200,467. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) THE WEBSTER-BUTTERFIELD COMPANY, Baltimore, Md. Filed Apr. 16, 1925. Serial No. 212,841.

WEBSTER'S BEST BRAND

Particular description of goods.—Catchup, Jelly, and Canned Goods—Namely, Fruits, Vegetables, Oysters, Pork and Beans, Hominy, Sauerkraut, Tomato Pulp.
Claims use since 1912.

200,468. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) C. A. MARSH & CO., Attleboro, Mass. Filed Apr. 2, 1925. Serial No. 212,092.

MARSH

Particular description of goods.—Buckles, Chains, and Cuff Buttons Which Are Made of or Plated with Precious Metals.
Claims use since July 1, 1920.

200,469. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) F. V. BLOCH, doing business as Pacific Produce Co., San Francisco, Calif. Filed Mar. 23, 1925. Serial No. 211,452.

SILVER WHITE

Particular description of goods.—Garlic Fresh and Dried.
Claims use since May 1, 1924.

200,470. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BUEHLER BROTHERS, INC., Chicago, Ill. Filed Mar. 16, 1925. Serial No. 211,076.

BUEHLER'S SUPERIOR

Particular description of goods.—Nut Oleomargarine.
Claims use since February, 1921.

200,471. (CLASS 7. CORDAGE.) THE CARPENTER MANUFACTURING CO., Norwich, Conn. Filed Mar. 13, 1925. Serial No. 210,952.

Everbrite

Particular description of goods.—Tinsel Cord.
Claims use since Dec. 1, 1915.

200,472. (CLASS 4. ABRASIVE, DETERGENT, AND POLISHING MATERIALS.) W. E. LEARNED, doing business as Scientific Research Laboratories, New York, N. Y. Filed Feb. 21, 1925. Serial No. 209,903.

DR. FOLTS'

Particular description of goods.—Soap Used for Reducing Obesity.
Claims use since Sept. 10, 1923.

200,473. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) DEEP SEA SALMON COMPANY, Seattle, Wash. Filed Feb. 16, 1925. Serial No. 209,627.

Cape Edwards

Particular description of goods.—Canned Salmon.
Claims use since September, 1911.

200,474. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE STERLING MANUFACTURING COMPANY, Cleveland, Ohio. Filed Feb. 5, 1925. Serial No. 209,145.

Sterling

Particular description of goods.—Electrical Apparatus—Namely, Alternating-Current Rectifiers and Rheostats, Also Audio-Frequency and Radio-Frequency Transformers and Microcondensers for Radio Sets.
Claims use since about July, 1922.

200,475. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) CHAS. M. STIEFF INC., Baltimore, Md. Filed Feb. 2, 1925. Serial No. 209,010.

Conservatory Grand

Particular description of goods.—Pianos.
Claims use since Feb. 5, 1924.

200,476. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) MAURICE P. MARX, doing business under the name of 'Lampkraft,' New York, N. Y. Filed Jan. 31, 1925. Serial No. 208,920.

"LAMPKRAFT"

Particular description of goods.—Electric Boudoir Lamps.
Claims use since Jan. 2, 1924.

200,477. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) BOND PICKLE COMPANY, Oconto, Wis. Filed Sept. 24, 1924. Serial No. 202,976.

BOTTLED BY BOND

Particular description of goods.—Pickles.
Claims use since January, 1923.

200,478. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG o. H. G., Trier, Germany. Filed Aug. 15, 1924. Serial No. 201,449.

Neuerburg
Jülichsplatz-Zigarette

Particular description of goods.—Leaf, Smoking, and Chewing Tobacco: Snuff, Cigars, Stogies, and Cigarettes.
Claims use since Oct. 26, 1921.

200,479. (CLASS 36. MUSICAL INSTRUMENTS AND SUPPLIES.) STRAWBRIDGE & CLOTHIER, Philadelphia, Pa. Filed July 11, 1924. Serial No. 199,908.

D.von BERLIN

The mark is not the name of an known person, but is one coined by applicant.
Particular description of goods.—Pianos.
Claims use since Jan. 1, 1922.

200,480. (CLASS 46. FOODS AND INGREDIENTS OF FOODS.) JOS. MIDDLEBY, JR. INC., Boston, Mass. Filed July 7, 1924. Serial No. 199,710.

WELL-MADE

Particular description of goods.—Fruit Preserves—Namely, Jams.
Claims use since May 7, 1924.

200,481. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed June 13, 1924. Serial No. 198,589.

EDINBORO

Particular description of goods.—Woolen goods in the Piece and in Cut Lengths.
Claims use since May 1, 1924.

200,482. (CLASS 42. KNITTED, NETTED, AND TEXTILE FABRICS.) S. STEIN & CO., New York, N. Y. Filed May 31, 1924. Serial No. 197,912.

Latonia

Drawing is lined for the purpose of shading only.
Particular description of goods.—Woolen Goods in the Piece and in Short Length.
Claims use since Apr. 7, 1924.

200,483. (CLASS 13. HARDWARE AND PLUMBING AND STEAM-FITTING SUPPLIES.) BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed May 20, 1924. Serial No. 197,318.

BETHLEHEM

Particular description of goods.—Certain Articles of Hardware.
Claims use since Sept. 18, 1923.

200,484. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) CHARLES W. KENT, doing business as Electrest Manufacturing Co., Peoria, Ill. Filed May 19, 1924. Serial No. 197,281.

FLICKERLIGHT

Particular description of goods.—Machines for Intermittently Lighting Electric Lights.
Claims use since June 5, 1922.

200,485. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) FEDERAL TELEPHONE & TELEGRAPH CO., Buffalo, N. Y. Filed Apr. 7, 1924. Serial No. 195,100.

Federal Telephone & Telegraph Co.

Particular description of goods.—Telephone and Telegraph Apparatus and Radio Apparatus—Namely, Radio Receiving Equipment Comprising Radioreceivers of the Crystal or Vacuum-Tube Detector Types, Radioamplifiers of the Audio-Frequency and Radio-Frequency Types, Head Sets and Loud Speakers, and Component Parts Thereof; Radio Transmitting Equipment Comprising Spark, Arc, Valve, and High-Frequency Alternator-Type Transformers, High-Speed Hand and Automatic Transmitting Equipment and the Component Parts Thereof.
Claims use since on or about Dec. 1, 1906.

200,486. (CLASS 6. CHEMICALS, MEDICINES, AND PHARMACEUTICAL PREPARATIONS.) THE J. R. WATKINS CO., Winona, Minn. Filed Apr. 4, 1924. Serial No. 195,080.

LITESKIN

Particular description of goods.—Liquid Face Powder.
Claims use since Mar. 25, 1924.

200,487. (CLASS 21. ELECTRICAL APPARATUS, MACHINES, AND SUPPLIES.) THE TOLEDO COOKER CO., Toledo, Ohio, by change of name now known as The Swartzbaugh Manufacturing Company, Toledo, Ohio, a Corporation of Ohio. Filed Oct. 30, 1923. Serial No. 187,702.

Ever Hot

Particular description of goods.—Portable Electric Hot Plates, Electric Percolators, Electric Pads, Fireless Cookers, Soldering Irons, Curling Irons, Drying Combs, Toasters, and Flatirons.
Claims use since Sept. 1, 1923.

200,488. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS, AND PARTS THEREOF.) THE STANLEY WORKS, New Britain, Conn. Filed Apr. 20, 1923. Serial No. 179,434.

VICTOR

Particular description of goods.—Certain Named Tools.
Claims use since Mar. 15, 1923.

200,489. (CLASS 39. CLOTHING.) J. TENENBAUM & SONS, New York, N. Y. Filed Dec. 1, 1922. Serial No. 172,778.

Chapeau De Luxe

Particular description of goods.—Ladies' Hats.
Claims use since about Sept. 15, 1922.

200,490. (CLASS 23. CUTLERY, MACHINERY, AND TOOLS AND PARTS THEREOF.) BETHLEHEM STEEL COMPANY, Bethlehem, Pa. Filed May 29, 1924. Serial No. 197,217.

BETHLEHEM

Particular description of goods.—Hydraulic Accumulators; Bars, Blades, Disks, Points, and Teeth for Agricultural Implements and Machinery; Balls for Grinding and Crushing, Chain Guide Bars, Scraper Blades, Die Blocks, Mill Cams; Capstans—Namely, Cable-Pulling and Marine Capstans; Clevises; Condensers—Namely, Steam and Steam-Turbine Condensers; Rolling Colters, Cranks for Machinery, Crushers and Parts Thereof, Distilling Apparatus, Dredges, Chilling Drums, Cooling Drums; Engines of All Kinds—Namely, Hoisting, Plowing, Pumping, Steering, Marine, Gas, Gasoline, Oil Engines, and Steam Engines; Gears, Bending Machinery, Bolt-Making Machinery, Boring Machinery, Drilling Machinery, Flanging Machinery, Forging Machinery, Gun Machinery, Hydraulic Machinery, Nut-Making Machinery, Planing Machinery, Rolling-Mill Machinery, Riveting Machinery, Shearing Machinery, Threading Machinery, Upsetting Machinery, Boring Mills, Rolling Mills, Turning Mills, Machine Parts, Machinery Parts, Crosshead Pins, Pinions; Presses—Namely, Arbor, Baling, Car-Wheel, Forging, Hydraulic, Power, Pulley, Straightening, Rail, Axle, Shaft, and Other Presses; Pumps—Namely, Air, Ballast, Bilge, Boiler Feed, Brine, Centrifugal, Circulating, Hydraulic, Marine, Oil, Oil-Line, Refinery, Salt-Water, Ship, Deck, Yacht, Steam, Transfer, Turbine, Turbo, Waterworks, and Vacuum Pumps and Parts Thereof; Hydraulic Riveters, Keys for Machinery, Pump Rods, Side and Main Locomotive Rods; Machinery Rolls—Namely, Bending Rolls, Chilled Rolls, Crushing Rolls, Embossing Rolls, Engraving Rolls, Forging Rolls, Plate-Beam Rolls, Cast-Steel Rolls, and Sugar-Mill Rolls; Drill Runners, Metal Seats for Agricultural Machinery, Beam-Separating Machinery, Shafts, Shafting, Shaft Couplings, Mechanical Railway Signals, Spindles, Railway-Switch Stands, Teeth for Excavators and for Digging Devices, Steam Turbines, Water-Wheel Turbines, Plants and Equipment for Treating Wax; Wheels for Machines, Machinery, and Agricultural Apparatus; Turbine Wheels, Winches, Windlasses.

Claims use since Apr. 19, 1920.

200,491. (CLASS 24. LAUNDRY APPLIANCES AND MACHINES.) NATIONAL WASHBOARD COMPANY, Chicago, Ill., and Saginaw, Mich. Filed Sept. 6, 1921. Serial No. 152,634.

SOAP SAVING
SANITARY
FRONT DRAIN

Particular description of goods.—Washboards.

Claims use since Jan. 1, 1915.

200,492. (CLASS 28. JEWELRY AND PRECIOUS-METAL WARE.) PERFECTION MANUFACTURING COMPANY, Brooklyn, N. Y. Filed Mar. 3, 1925. Serial No. 210,499.

NEVER-BREAK

Particular description of goods.—Bead Cords and Strings.

Claims use since January, 1923.

200,493. (CLASS 17. TOBACCO PRODUCTS.) HAUS NEUERBURG O. H. G., Trier, Germany. Filed Aug. 15, 1924. Serial No. 201,447.

Neuerburg

Particular description of goods.—Cigars, Cigarettes, Cigarillos, Smoking, Snuffing, and Chewing Tobaccos.

Claims use since May 2, 1908.

TRADE-MARK REGISTRATIONS RENEWED

26,635. CERTAIN NAMED MEDICINES AND TOILET PREPARATIONS. Registered June 4, 1895. WACLAV F. SEVERA. Renewed June 4, 1925, to W. F. Severa Co., Cedar Rapids, Iowa, a Corporation of Iowa, assignee.

26,699. EXTRACTS, ESSENCES, TINCTURES, AND PERFUMERY. Registered June 18, 1905. McKEY & Co. Renewed June 18, 1925, to Blue Seal Supply Co., Boston, Mass., a Corporation of Massachusetts, successor.

27,142. LOZENGES AND CANDY. Registered October 8, 1895. O. H. PECKHAM CANDY MANUFACTURING COMPANY. Renewed October 8, 1925, to National Candy Company, St. Louis, Mo., a Corporation of New Jersey, successor.

44,449. HAMMOCKS. Registered July 4, 1905. ISAAC E. PALMER. Renewed July 4, 1925, to The I. E. Palmer Company, Middletown, Conn., a Corporation of Connecticut, successor.

45,607. PENCIL AND CLEANING COMPOSITION ERASERS. Registered August 22, 1905. FRANK A. WEEKS, New York, N. Y. Renewed August 22, 1925.

45,691. LIVER PILLS. Registered August 29, 1905. DR. TUTT MFG. CO. Renewed August 29, 1925, to Harry H. Good, doing business as Dr. Tutt Mfg. Co., New York, N. Y., assignee.

46,131. FLOUR. Registered September 5, 1905. NEW ATHENS MILLING CO. Renewed September 5, 1925, to Peter Haupt, doing business as White Dove Flour Mills, New Athens, Ill., assignee.

46,144. DENTIFRICES. Registered September 5, 1905. FREEMAN B. SHEDD, doing business as E. W. Hoyt & Co. Renewed September 5, 1925, to Alexis D. Sargent, Lowell, Mass., assignee.

46,378. BOND, LINEN, LEDGER, WEDDING, AND INDEX BRISTOL PAPERS. Registered September 19, 1905. B. D. RISING PAPER COMPANY, Housatonic, Mass., a Corporation of Massachusetts. Renewed September 19, 1925.

46,972. BOND, LINEN, LEDGER, WEDDING, AND INDEX BRISTOL PAPERS. Registered October 17, 1905. B. D. RISING PAPER COMPANY, Housatonic, Mass., a Corporation of Massachusetts. Renewed October 17, 1925.

47,471. WATCHES AND CLOCKS. Registered November 7, 1905. ROBT. H. INGERSOLL & BRO., New York, N. Y. Renewed November 7, 1925, to Waterbury Clock Company, Waterbury, Conn., a Corporation of Connecticut, assignee.

47,470. MEDICATED OIL FOR RHEUMATISM. Registered November 7, 1905. GIAMBATISTA ARDITO, Hoboken, N. J. Renewed November 7, 1925.

47,595. ALE. Registered November 14, 1905. DAWSON & SON, New Bedford, Mass. Renewed November 14, 1925.

47,626. STEEL. Registered November 14, 1905. CANTON STEEL COMPANY, Pittsburgh, Pa. Renewed November 14, 1925, to Canton Steel Company, New York, N. Y., a Corporation of Pennsylvania.

47,642. VARNISHES. Registered November 14, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 14, 1925.

47,670. SAWS. Registered November 14, 1905. GEORGE NATHAN CLEMSON. Renewed November 14, 1925, to Clemson Bros. Inc., Middletown, N. Y., a Corporation of New York, successor.

47,710. BOND, LINEN, LEDGER, WEDDING, AND INDEX BRISTOL PAPERS. Registered November 14, 1905. B. D. RISING PAPER COMPANY, Housatonic, Mass., a Corporation of Massachusetts. Renewed November 14, 1925.

47,755. VARNISHES. Registered November 21, 1905. THE AMERICAN VARNISH COMPANY, Chicago, Ill., a Corporation of Illinois. Renewed November 21, 1925.

47,760. WRITING PAPER AND ENVELOPES. Registered November 21, 1905. GEORGE B. HURD & Co., New York, N. Y. Renewed November 21, 1925.

47,795. STEEL. Registered November 21, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed November 21, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

47,796. STEEL. Registered November 21, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed November 21, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New York.

47,797. STEEL. Registered November 21, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed November 21, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

47,846. STEEL. Registered November 21, 1905. CRUCIBLE STEEL COMPANY OF AMERICA, Pittsburgh, Pa. Renewed November 21, 1925, to Crucible Steel Company of America, New York, N. Y., a Corporation of New Jersey.

LABELS

REGISTERED JUNE 30, 1925.

28,861.—*Title:* CYANOGAS. For a Powdered Fumigant Which Liberates a Poisonous Gas in the Air. AMERICAN CYANAMID COMPANY, New York, N. Y. Published April 11, 1925.

28,862.—*Title:* MOCHA-CHOCOLATE. For Compound for Making Beverages. ANDRÉ CHETELAT CO., Baltimore, Md. Published May 13, 1925.

28,863.—*Title:* BRILLO GLOSSCOMB. For Liquid Preparation for the Hair. BEAUTY PRODUCTS COMPANY, San Antonio, Tex. Published March 5, 1925.

28,864.—*Title:* BLUE DIAMOND. For Electric Stucco. BLUE DIAMOND COMPANY, Los Angeles, Calif. Published May 17, 1924.

28,865.—*Title:* CONCENTRATED IMITATION FRUIT NECTAR. For Concentrated Soft-Drink Preparations. BRECHET & RICHTER CO., Minneapolis, Minn. Published April 28, 1925.

28,866.—*Title:* BUCHER'S MERZ SALVE. For Salve. WILSON GEIGER BUCHER, Marietta, Pa. Published June 12, 1924.

28,867.—*Title:* YE KING'S PALE. For Beverage. BURKHARDT CORPORATION, Roxbury, Boston, Mass. Published April 1, 1925.

28,868.—*Title:* TEA ROOM PIES. For Pies. CASE & MARTIN COMPANY, Chicago, Ill. Published December 27, 1924.

28,869.—*Title:* CHALLENGE. For Butter. CHALLENGE CREAM AND BUTTER ASSOCIATION, Los Angeles, Calif. Published May 15, 1925.

28,870.—*Title:* DR. VOULSKY'S RUSSIAN WHITE LINIMENT. For Liniment. ABRAHAM CITRON, doing business as Dr. Voulsky's Mfg. Co., Philadelphia, Pa. Published March 30, 1925.

28,871.—*Title:* FROZEN SUCKER. For Frozen Confections. CITRUS PRODUCTS CO., Chicago, Ill. Published February 1, 1925.

28,872.—*Title:* CLOVER MEADOW. For Dairy Products, Particularly Milk. THE CLOVER MEADOW CREAMERY CO., Cleveland, Ohio. Published January 15, 1925.

28,873.—*Title:* CLOVER MEADOW. For Dairy Products, Particularly Milk. THE CLOVER MEADOW CREAMERY CO., Cleveland, Ohio. Published January 15, 1925.

28,874.—*Title:* COUGAR. For Oranges. COVINA CITRUS ASSOCIATION, Covina, Calif. Published January 5, 1925.

28,875.—*Title:* RED C. For Oranges. COVINA CITRUS ASSOCIATION, Covina, Calif. Published January 5, 1925.

28,876.—*Title:* ENGLISH'S COLD AND GRIPPE CAPSULE. For Cold and Grippe Remedy. DR. VOL DRUG COMPANY, Columbus, Ohio. Published December 11, 1924.

28,877.—*Title:* DIAMOND'S RHEUMATISM POWDERS. For Rheumatism Powders. JOSEPH DIAMOND, Jacksonville, Fla. Published May 9, 1925.

28,878.—*Title:* A. C. HYND'S GERMICIDE SKIN KURILL. For a Preparation for the Face and Skin. A. C. HYND, Buffalo, N. Y. Published August 25, 1924.

28,879.—*Title:* IMA. For Cleaner. IMA PRODUCTS CORP., Los Angeles, Calif. Published March 10, 1925.

28,880.—*Title:* AUGETS. For Screws. INTERSTATE IRON & STEEL COMPANY, Chicago, Ill. Published April 22, 1925.

28,881.—*Title:* AUGETS. For Screws. INTERSTATE IRON & STEEL COMPANY, Chicago, Ill. Published April 22, 1925.

28,882.—*Title:* GRANDMA'S RAISIN POUND CAKE. For Raisin Pound Cake. LANTZ BROS. BAKING CO., St. Louis, Mo. Published May 13, 1925.

28,883.—*Title:* GRANDMA'S SPICED FRUIT CAKE. For Spiced Fruit Cake. LANTZ BROS. BAKING CO., St. Louis, Mo. Published May 13, 1925.

28,884.—*Title:* GRANDMA'S NUT POUND CAKE. For Nut Pound Cake. LANTZ BROS. BAKING CO., St. Louis, Mo. Published May 18, 1925.

28,885.—*Title:* GRANDMA'S CAKE. For Cake. LANTZ BROS. BAKING CO., St. Louis, Mo. Published May 25, 1925.

28,886.—*Title:* FREEZOLEUM HEADACHE PLASTERS. For Headache Plasters. WILLIAM BERT MADDER, St. Louis, Mo. Published March 28, 1925.

28,887.—*Title:* IKE'N MIKE THE CANDY YOU LIKE A MELSTER PRODUCT MADE IN THE COUNTRY. For Candy Bars. MELSTER CANDY COMPANY, Cambridge, Wis. Published May 12, 1925.

28,888.—*Title:* MELSTER'S ACE HIGH. For Candy Bars. MELSTER CANDY COMPANY, Cambridge, Wis. Published May 26, 1925.

28,889.—*Title:* TWIN CITY. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to Twin City Cooperative Egg & Poultry Association, St. Paul, Minn. Published April 17, 1925.

28,890.—*Title:* MEADOWBROOK. For Eggs. MENASHA PRINTING AND CARTON COMPANY, Menasha, Wis., assignor to C. A. Van Deusen Company, Hudson, N. Y. Published March 28, 1925.

28,891.—*Title:* FITZWEL FORD CAR FENDER BRACE. For Fender Braces for Ford Cars. METAL PRODUCTS COMPANY, Des Moines, Iowa. Published February 21, 1925.

28,892.—*Title:* JUANITA. For Pure Lard. MISSION PROVISION CO., San Antonio, Tex. Published March 1, 1925.

28,893.—*Title:* EVEREADY COLUMBIA HOT SHOT. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published April 20, 1925.

28,894.—*Title:* EVEREADY COLUMBIA IGNITOR. For Electric Batteries. NATIONAL CARBON COMPANY, INC., New York, N. Y. Published April 20, 1925.

28,895.—*Title:* COVERED WAGON. For Fresh Deciduous Fruits. NEWCASTLE FRUIT GROWERS ASSOCIATION, Newcastle, Calif. Published March 7, 1925.

28,896.—*Title:* ATLAS. For Oranges. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Published March 2, 1925.

28,897.—*Title:* MOUNT OF OLIVE. For Oranges. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Published March 2, 1925.

28,898.—*Title:* HECTOR. For Oranges. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Published March 2, 1925.

28,899.—*Title:* TROY. For Oranges. OLIVE HEIGHTS CITRUS ASSOCIATION, Olive, Calif. Published March 2, 1925.

28,900.—*Title:* TREE PAINT. For Tree Paint. CHARLES V. PAULEY, New Canaan, Conn. Published August 7, 1924.

28,901.—*Title:* JELLY FRUIT. For Receptacles Containing a Jelly Base. PORT-O, INC., Portland, Oreg. Published February 19, 1925.

28,902.—*Title:* PRATTLOW. For Canned Artichokes. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published March 20, 1925.

28,903.—*Title:* PRATTLOW. For Canned Sweet Potatoes. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published May 5, 1925.

28,904.—*Title:* PRATTLOW. For Canned Hearts of Artichokes. PRATT-LOW PRESERVING COMPANY, Santa Clara, Calif. Published March 20, 1925.

28,905.—*Title:* PRO-PHY-LAC-TIC TOOTH BRUSH. For Toothbrushes. PRO-PHY-LAC-TIC BRUSH COMPANY, Northampton, Mass. Published April 27, 1925.

28,906.—*Title:* QUOLOIL. For Fuel-Oil Burners and Linings and on Containers of Fuel Oil. QUOLOIL CORPORATION, New York, N. Y. Published May 15, 1925.

28,907.—*Title:* NINEMORE REAL COFFEE, RUEHL METHOD. For Coffee. WILLIAM RUEHL, Milwaukee, Wis. Published September 24, 1924.

28,908.—*Title:* CHATHAM SPECIAL. For Cigars. SONNENBERG BROS. INC., New York, N. Y. Published October 21, 1924.

28,909.—*Title:* BANNER BOUQUET. For Nonalcoholic Cocktails. TONKIN DISTRIBUTING CO., San Francisco, Calif. Published May 18, 1925.

28,910.—*Title:* MISS SOCIETY LADIES PURE THREAD SILK HOSE. For Ladies' Hosiery. WHEELER & MOTTER MERCANTILE COMPANY, St. Joseph, Mo. Published February 21, 1925.

PRINTS

REGISTERED JUNE 30, 1925.

8,025.—*Title:* UNIQUE THIN LEAD COLORED PENCILS C-55. For Colored Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published April 16, 1925.

8,026.—*Title:* BLUE BAND VELVET PENCILS C-53. For Lead Pencils. AMERICAN LEAD PENCIL COMPANY, New York, N. Y. Published April 16, 1925.

8,027.—*Title:* NOT EXACTLY DRESSED—BUT WELL-DRESSED JUST THE SAME. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,028.—*Title:* IT ALL COMES OUT IN THE WASH. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,029.—*Title:* THE TEST OF TIME. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,030.—*Title:* BLESSINGS ON THEE, "B. V. D." IN THESE HOT SUMMER DAYS! For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,031.—*Title:* WHAT MEN KNOW WITHOUT STUDYING. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,032.—*Title:* WHICH WOULD YOU HAVE HIM SAY TO HIMSELF? For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,033.—*Title:* GET THE UNDERWEAR YOU ASK FOR. For Athletic Underwear. THE B. V. D. COMPANY, INC., New York, N. Y. Published May 20, 1925.

8,034.—*Title:* SAYS JUDGE ELBERT H. GARY "IN THE BUSINESS OF KEEPING FIT MY FIRST CARE IS A SIMPLE DIET". For Wheat Breakfast Food. CREAM OF WHEAT CO., Minneapolis, Minn. Published May 30, 1925.

8,035.—*Title:* GOOD TIRES DESERVE GOOD TUBES GOOD—(WINGFOOT)—YEAR TUBES. For Inner Tubes for Pneumatic Tires Composed Wholly or in Part of Rubber. THE GOODYEAR TIRE & RUBBER COMPANY, Akron, Ohio. Published May 16, 1925.

8,036.—*Title:* FRUITED JELL-O. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published May 1, 1925.

8,037.—*Title:* THE ANSWER TO THE DEMAND. For Jell-O, a Dessert Preparation. THE JELL-O COMPANY, INC., Le Roy, N. Y. Published May 1, 1925.

8,038.—*Title:* McAVOY. For Gowns, Suits, Wraps, Furs, Millinery. EMILY C. McAVOY, Chicago, Ill. Published November 3, 1921.

8,039.—*Title:* MARATHON TIRES—FOR ENDURANCE—FOR SPEED—ETC. For Vehicle Tires Composed Wholly or in Part of Rubber. MARATHON RUBBER COMPANY, INC., Akron, Ohio. Published May 14, 1925.

8,040.—*Title:* BLACK GOPHER. For Coal. EDWARD EVERETT MENDENHALL, Mankota, Minn. Published December 3, 1924.

8,041.—*Title:* THE BRAND THAT SUITS IN CITRUS FRUITS. For Fresh Citrous Fruits. RANDOLPH MARKETING COMPANY, Riverside, Calif. Published May 2, 1925.

8,042.—*Title:* TRAIN BOX. For Luggage. SCHMICKLBETON, INC., New York, N. Y. Published February 15, 1925.

8,043.—*Title:* SCOTCHIE BOW. For Men's Neckwear. HARRY W. SPIEGEL, New York, N. Y. Published April 27, 1925.

8,044.—*Title:* SQUIBB WEEK STARTS TO-MORROW! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salts. E. R. SQUIBB & SONS, New York, N. Y. Published October 3, 1924.

8,045.—*Title:* HUNDREDS OF THOUSANDS OF PEOPLE. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's New York, N. Y. Published October 30, 1924.

8,046.—*Title:* THE DEMAND FOR SQUIBB'S DENTAL CREAM. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 6, 1924.

8,047.—*Title:* YES—MOST TEETH DECAY CAN BE PREVENTED. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 17, 1924.

8,048.—*Title:* ONLY A SKILLED DENTIST CAN CURE PYORRHEA. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 13, 1924.

8,049.—*Title:* SQUIBB'S DENTAL CREAM. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 10, 1924.

8,050.—*Title:* SQUIBB WEEK ONLY 3 DAYS LEFT TO GET THIS SQUIBB SERVICE PACKAGE—FREE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published October 9, 1924.

8,051.—*Title:* MILLIONS OF MEN DEMAND THIS PROTECTION EVERY DAY. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 5, 1925.

8,052.—*Title:* THREE YEARS AGO. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's New York, N. Y. Published February 5, 1925.

8,053.—*Title:* WHAT MILLIONS OF WOMEN HAVE LEARNED. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 3, 1925.

8,054.—*Title:* TONIGHT—WILL YOUR TEETH HAVE THIS PROTECTION? For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 20, 1925.

8,055.—*Title:* THIS MORNING. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 22, 1925.

8,056.—*Title:* WHAT THE DANGER LINE MEANS TO YOU. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 12, 1925.

8,057.—*Title:* ANOTHER REASON. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's New York, N. Y. Published February 12, 1925.

8,058.—*Title:* YOUR LITTLE ONES. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published February 10, 1925.

8,059.—*Title:* CONSTANT VIGILANCE. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published November 20, 1924.

8,060.—*Title:* THIS WEEK IS SQUIBB WEEK—THIS SQUIBB SERVICE PACKAGE FOR YOUR MEDICINE CABINET! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salt. E. R. SQUIBB & SONS, New York, N. Y. Published October 5, 1924.

,061.—*Title:* I FINK YOU'LL BE BETTER TOMORROW. For Household Products, Bicarbonate of Soda, Epsom Salt, Castor Oil, Boric Acid, Milk of Magnesia, Dental Cream, Saccharin Tablets, Extract of Vanilla. E. R. SQUIBB & SONS, New York, N. Y. Published September 1, 1924.

8,062.—*Title:* THE DANGER LINE WARNS OF PERIL. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published November 27, 1924.

8,063.—*Title:* THIS MORNING MILLIONS OF MEN. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published January 26, 1925.

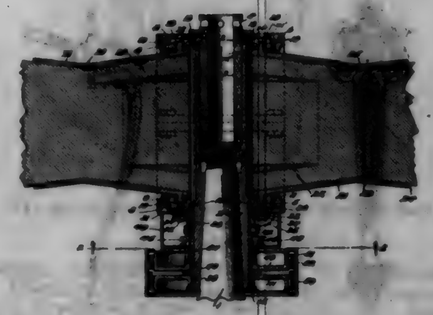
8,064.—*Title:* PRACTICE PRECAUTION. For Dental Cream. E. R. SQUIBB & SONS, New York, N. Y. Published December 4, 1924.

8,065.—*Title:* IF YOU WANT YOUR CHILDREN TO BRUSH THEIR TEETH REGULARLY. For Dental Cream. E. R. SQUIBB & SONS, doing business as Squibb's, New York, N. Y. Published November 4, 1924.

8,066.—*Title:* PLATE NO. 2. For No. 2 Diamoblox—Namely, an Instructive Game. STROMBECK-BECKER MFG. CO., Moline, Ill. Published March 17, 1925.

8,067.—*Title:* PENNY ODD. For Coffee. ZELLA WOLFF, Mexia, Tex. Published January 26, 1924.

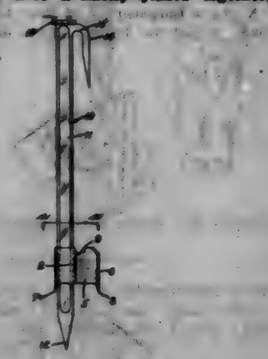
16,102. ADJUSTABLE AND REVERSIBLE PROPELLER. Spencer Heath, Baltimore, Md. Filed Feb. 26, 1925. Serial No. 11,892. Original No. 1,447,080, dated Feb. 27, 1923, Serial No. 342,370, filed Dec. 4, 1919. 25 Claims. (Cl. 170—163.)



1. A propeller comprising a hub, a plurality of ferrules rotatably mounted therein, a blade secured in each ferrule, and thrust bearings between each ferrule and the hub for resisting both inward and outward radial movement of the blades relative to the hub, the major portion of each of said ferrules lying radially beyond and substantially outside of said hub.

16,103. WIRE-FASTENING DEVICE. John L. Sullivan, Berkeley, Calif. Filed Oct. 1, 1924. Serial No. 741,054. Original No. 1,435,429, dated Nov. 14, 1922, Serial No. 430,423, filed Dec. 13, 1920. 18 Claims. (Cl. 72—118.)

1. A wire fastening device comprising a spacer member embodying a pair of flat side members disposed side by side in a vertical manner and having registering ends unitarily joined together, the opposite ends of the side members inclined outwardly, a plurality of downwardly projecting spurs on the lower edges of said side members, and a pair of spaced apart shafts vertically movably disposed between said side members, said shafts having the upper ends unitarily joined together, portions of said shafts projecting above and below the side members.



16,104. HORSESHOE PAD. George J. Heymoss, Jr., Detroit, Mich. Filed Dec. 1, 1924. Serial No. 753,380. Original No. 1,496,414, dated June 3, 1924, Serial No. 704,564, filed Apr. 7, 1924. 9 Claims. (Cl. 168—28.)



7. In combination with a horseshoe, a horseshoe pad formed of cushioning material having a heel portion and a marginal portion supporting the horseshoe, provided with a ground-engaging plate set on edge forwardly of the heel portion of the pad within the horseshoe carried thereby and projecting to a greater height therefrom than the horseshoe carried thereby.

DESIGNS

JUNE 30, 1925.

67,681. TOWEL-BAR POST. JOHN HENRY BALMER, Maplewood, N. J., assignor to J. H. Balmer Co., Newark, N. J., a Corporation of New Jersey. Filed Apr. 8, 1925. Serial No. 13,069. Term of patent 14 years.



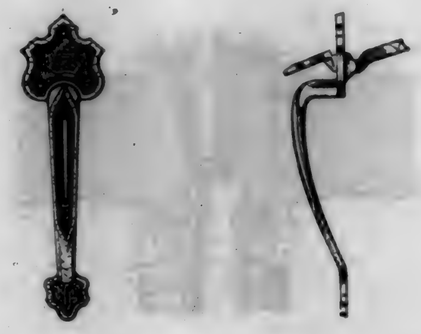
The ornamental design for a towel bar post as shown.

67,682. MIRROR OR SIMILAR ARTICLE. PERCY J. CALLOWHILL, Providence, R. I., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Filed Apr. 4, 1925. Serial No. 12,923. Term of patent 3½ years.



The ornamental design for a mirror or similar article, as shown.

67,683. DOOR HANDLE. WILLIAM P. COLLINS, San Francisco, Calif. Filed Apr. 13, 1925. Serial No. 13,106. Term of patent 7 years.



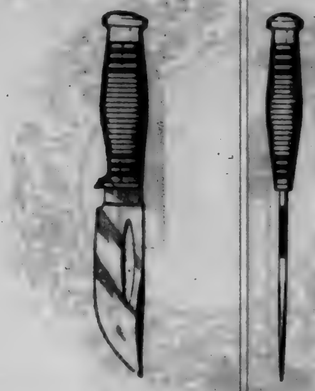
The ornamental design for a door handle, substantially as shown.

67,684. SIGN. JOHN L. DAWES, Pittsburgh, Pa.; Elizabeth McCombs Dawes executrix of said John L. Dawes, deceased. Filed June 13, 1922. Serial No. 2,659. Term of patent 3½ years.



The ornamental design for a sign, substantially as shown.

67,685. HUNTING KNIFE. JOHN E. DRAW, Jersey City, N. J., assignor to Wade & Butcher Corporation, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 23, 1923. Serial No. 5,240. Term of patent 14 years.



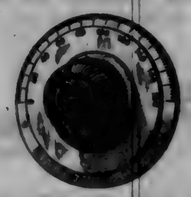
The ornamental design for a hunting knife, as shown.

67,686. VEHICLE LAMP. EDWARD W. DRIEMEYER, Cincinnati, Ohio, assignor to The K-D Lamp Company, a Corporation of Ohio. Filed Oct. 29, 1924. Serial No. 11,221. Term of patent 3½ years.



The ornamental design for a vehicle lamp as shown.

67,687. CONTROL DIAL. JOSEPH B. EDWARDS, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed Oct. 9, 1922. Serial No. 3,912. Term of patent 14 years.



The ornamental design for a control dial as shown.

67,688. RUBBER DOLL. ALBERT J. ELDON, Mount Vernon, N. Y., assignor to The Hodgman Rubber Company, Tuckahoe, N. Y., a Corporation of New York. Filed Dec. 26, 1924. Serial No. 11,795. Term of patent 14 years.



The ornamental design for a rubber doll substantially as shown.

67,689. TOE PLATE FOR AUTOMOBILE RUNNING BOARDS. JAMES R. ERSKINE, Jacksonville, Fla. Filed Dec. 26, 1924. Serial No. 11,806. Term of patent 7 years.



The ornamental design for a toe plate for automobile running boards, as shown.

67,690. RIBBON. FRANK W. FELL, Haworth, N. J. Filed May 7, 1925. Serial No. 13,340. Term of patent 3½ years.



The ornamental design for a ribbon, as shown.

67,691. RIBBON. FRANK W. FELL, Haworth, N. J. Filed May 7, 1925. Serial No. 13,341. Term of patent 3½ years.



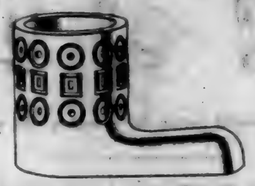
The ornamental design for a ribbon, as shown.

67,692. RIBBON. FRANK W. FELL, Haworth, N. J. Filed May 7, 1925. Serial No. 13,342. Term of patent 3½ years.



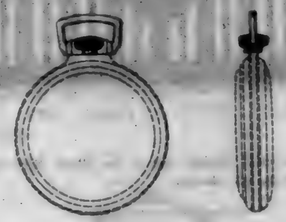
The ornamental design for a ribbon, as shown.

67,693. HANDLE CUP. WILLIAM G. FLINT, Colton, Calif. Filed Mar. 7, 1925. Serial No. 12,641. Term of patent 14 years.



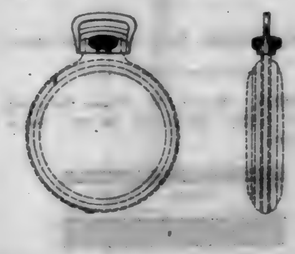
The ornamental design for a handle cup, as shown.

67,694. WATCHCASE APPENDAGE. HERBERT K. FOSTER, Riverside, N. J., assignor to The Keystone Watch Case Company, Riverside, N. J., a Corporation of Pennsylvania. Filed Apr. 3, 1925. Serial No. 13,010. Term of patent 14 years.



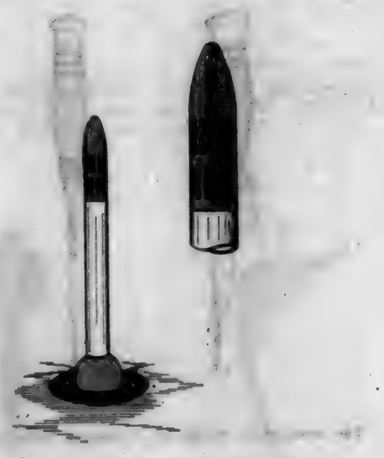
The ornamental design for a watchcase appendage as shown.

67,695. WATCHCASE APPENDAGE. HERBERT K. FOSTER, Riverside, N. J., assignor to The Keystone Watch Case Company, Riverside, N. J., a Corporation of Pennsylvania. Filed Apr. 3, 1925. Serial No. 13,012. Term of patent 14 years.



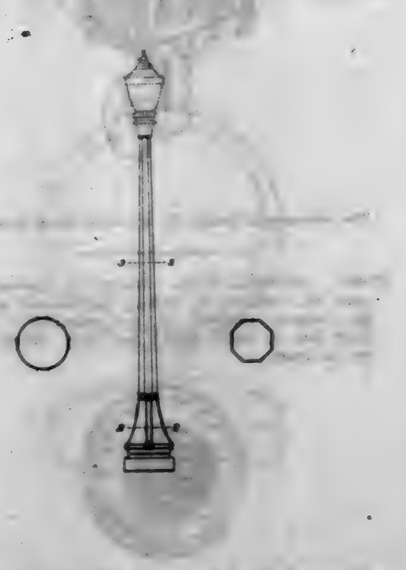
The ornamental design for a watchcase appendage as shown.

67,696. TRAFFIC SEMAPHORE. FRANK W. GRISWOLD, Minneapolis, Minn. Filed Mar. 5, 1924. Serial No. 8,839. Term of patent 14 years.



The ornamental design for a traffic semaphore, as shown.

67,697. STREET-LAMP STANDARD. CHARLES HANSEN, Davenport, Iowa, assignor to Davenport Machine & Foundry Company, Davenport, Iowa, a Corporation of Iowa. Filed Mar. 2, 1925. Serial No. 12,532. Term of patent 14 years.



The ornamental design for a street lamp standard as shown.

67,698. PLATE OR SIMILAR ARTICLE OF MANUFACTURE. HANLEY HENOCH, New York, N. Y., assignor to Onondaga Pottery Company, Syracuse, N. Y., a Corporation of New York. Filed Mar. 17, 1925. Serial No. 12,749. Term of patent 3½ years.



The ornamental design for a plate or similar article of manufacture substantially as shown.

67,699. IDENTIFICATION TAG. ABBIE W. HOLMES, Providence, R. I. Filed May 9, 1924. Serial No. 9,531. Term of patent 3½ years.



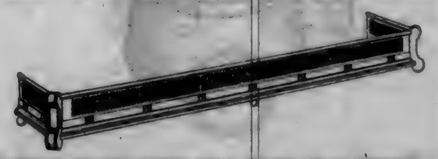
The ornamental design for an identification tag, as shown.

67,700. FENDER FOR A FIREPLACE. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed May 7, 1925. Serial No. 13,346. Term of patent 14 years.



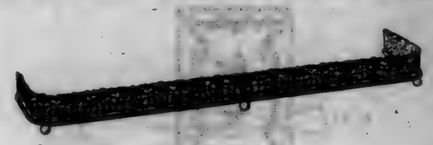
The ornamental design for a fender for a fireplace, as shown.

67,701. FENDER FOR A FIREPLACE. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed May 7, 1925. Serial No. 13,349. Term of patent 14 years.



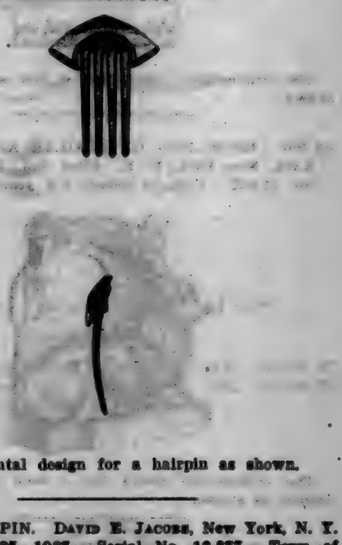
The ornamental design for a fender for a fireplace, as shown.

67,702. FENDER FOR A FIREPLACE. HUBERT R. HUMPHREY, Kalamazoo, Mich., assignor to General Gas Light Company, Kalamazoo, Mich. Filed May 7, 1925. Serial No. 13,351. Term of patent 14 years.



The ornamental design for a fender for a fireplace, as shown.

67,703. HAIRPIN. DAVID E. JACOBS, New York, N. Y. Filed Mar. 25, 1925. Serial No. 12,876. Term of patent 3½ years.



The ornamental design for a hairpin as shown.

67,704. HAIRPIN. DAVID E. JACOBS, New York, N. Y. Filed Mar. 25, 1925. Serial No. 12,877. Term of patent 3½ years.



The ornamental design for a hairpin as shown.

67,705. BOX. FERNAND JAVAL, Paris, France, assignor to Houbigant, Inc., New York, N. Y., a Corporation of New York. Filed Apr. 15, 1925. Serial No. 13,132. Term of patent 14 years.



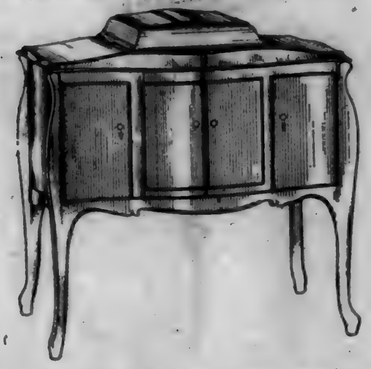
The ornamental design for a box substantially as shown.

67,706. BOOK END OR SIMILAR ARTICLE. JACK KATZ, New York, N. Y. Filed Jan. 7, 1925. Serial No. 11,952. Term of patent 3½ years.



The ornamental design for a book end or similar article, as shown.

67,707. CABINET FOR TALKING MACHINES. EUGENE T. KIEFFER and WILLIAM B. STEVENSON, Philadelphia, Pa., assignors to Victor Talking Machine Company, a Corporation of New Jersey. Filed Nov. 11, 1922. Serial No. 4,256. Term of patent 3½ years.



The ornamental design for a cabinet for talking machines, as shown.

67,708. FAN. MALVIN LICHTER, New York, N. Y., assignor to Malvin Lichter and Louis Jacobs, trading as Stickless Fan Company, New York, N. Y. Filed July 26, 1922. Serial No. 3,206. Term of patent 3½ years.



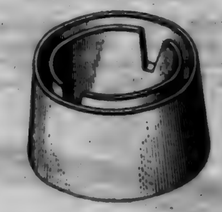
The ornamental design for a fan, as shown.

67,709. CIGAR LIGHTER OR SIMILAR ARTICLE. HARRY DONALD MCDONALD, Los Angeles, Calif., assignor of one-fourth to John R. Staley, one-fourth to H. L. Brown, and one-fourth to Maude C. McDonald, all of Los Angeles, Calif. Filed Apr. 7, 1925. Serial No. 13,044. Term of patent 3½ years.



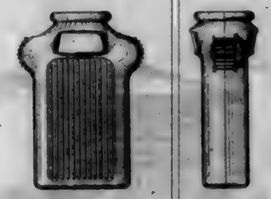
The ornamental design for a cigar lighter or similar article, as shown.

67,710. SPONGE CUP OR RECEPTACLE. HUGH I. MCGINTY, Pittsburgh, Pa., assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Jan. 5, 1924. Serial No. 8,247. Term of patent 14 years.



The ornamental design for a sponge cup or receptacle, as shown.

67,711. PLUG CONNECTER OR SIMILAR ARTICLE. BENJAMIN P. MCKINLEY, Flushing, N. Y., assignor to Hemco Electric Manufacturing Company, Long Island City, N. Y., a Corporation of New York. Filed Apr. 29, 1925. Serial No. 13,259. Term of patent 14 years.



The ornamental design for a plug connecter or similar article as shown.

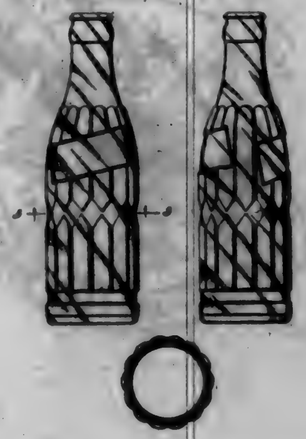
67,712. SHOE HEEL. WARD MELVILLE, New York, N. Y. Filed Mar. 27, 1924. Serial No. 9,080. Term of patent 14 years.





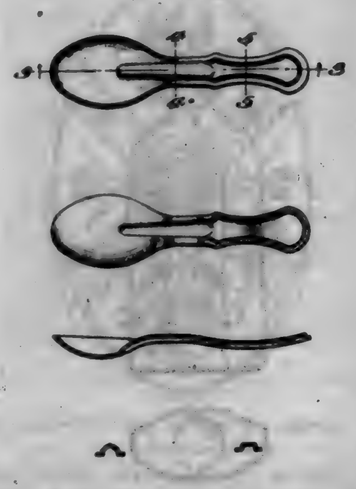
The ornamental design for a shoe heel, as shown.

67,713. BOTTLE. FRANK R. MILLER, Evansville, Ind., assignor to The Graham Glass Company, Evansville, Ind. Filed Apr. 3, 1925. Serial No. 13,006. Term of patent 14 years.



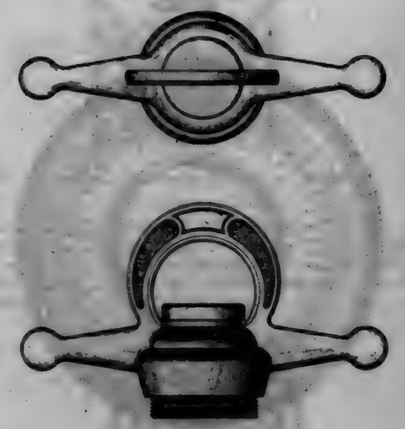
The ornamental design for a bottle, as shown.

67,714. SPOON. WILLIAM G. MOMBERGER, Baltimore, Md., assignor to Ammidon and Company, Baltimore, Md., a Corporation of Maryland. Filed May 4, 1925. Serial No. 13,317. Term of patent 14 years.



The ornamental design for a spoon as shown.

67,715. AUTOMOBILE RADIATOR CAP. OSCAR W. MOORE, Chicago, Ill. Filed Mar. 19, 1925. Serial No. 12,772. Term of patent 14 years.



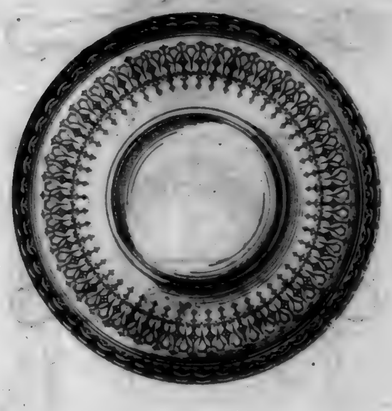
The ornamental design for an automobile radiator cap as shown.

67,716. BOTTLE. FERDINAND W. NITARDY and WILLIAM FANKHAUSER, Brooklyn, and FRANK LACHMANN, Jamaica, N. Y., assignors to E. R. Squibb & Sons, New York, N. Y., a Corporation of New York. Filed July 3, 1924. Serial No. 10,049. Term of patent 14 years.



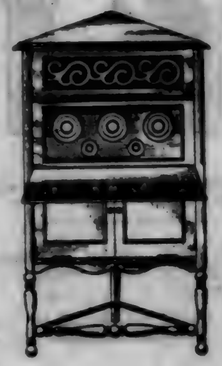
The ornamental design for a bottle, as shown.

67,717. PLATE OR ANALOGOUS ARTICLE. HAROLD E. NOCK, Newburyport, Mass., assignor to Towle Manufacturing Company, Newburyport, Mass., a Corporation of Massachusetts. Filed Jan. 17, 1925. Serial No. 12,077. Term of patent 3½ years.



The ornamental design for a plate or analogous article substantially as shown and described.

67,718. INSTRUMENT CABINET OR SIMILAR ARTICLE. HAMPTON MITCHELL PRICE, New York, N. Y. Filed Apr. 20, 1925. Serial No. 18,171. Term of patent 7 years.



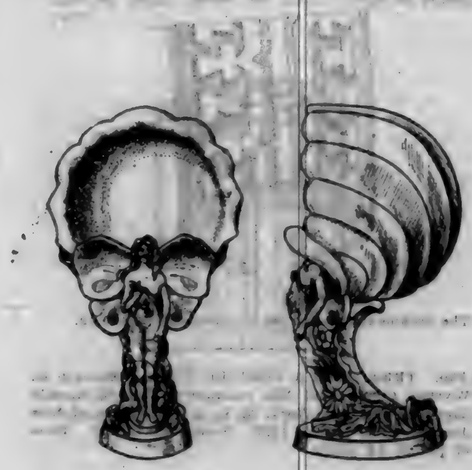
The ornamental design for an instrument cabinet or similar article as shown.

67,719. SLIPPER. WILLIAM M. RODGER, Wollaston, Mass., assignor to Margaret K. Forshee, Dorchester, Mass. Filed Apr. 21, 1924. Serial No. 9,848. Term of patent 7 years.



The ornamental design for a slipper, as shown.

67,720. RADIO LOUD SPEAKER. LOUIS ROMANELLI, Chicago, Ill. Filed Feb. 27, 1925. Serial No. 12,504. Term of patent 3½ years.



The ornamental design for a radio loud speaker as shown.

67,721. DOILY. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace and Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1925. Serial No. 12,617. Term of patent 3½ years.



The ornamental design for a doily as shown.

67,722. DOILY. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace and Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1925. Serial No. 12,618. Term of patent 3½ years.



The ornamental design for a doily as shown.

67,723. DOILY. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace and Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1925. Serial No. 12,619. Term of patent 3½ years.



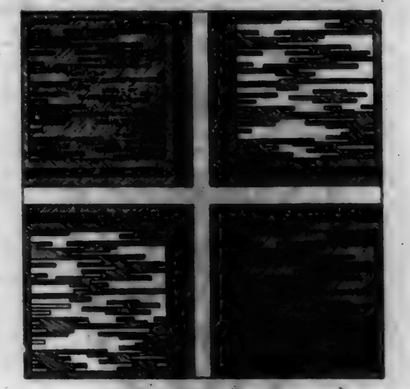
The ornamental design for a doily as shown.

67,724. DOILY. WERNER SCHMID, Brooklyn, N. Y., assignor to National Lace and Embroidery Company, New York, N. Y., a Corporation of New York. Filed Mar. 6, 1925. Serial No. 12,620. Term of patent 3½ years.



The ornamental design for a doily as shown.

67,725. OILCLOTH OR SIMILAR ARTICLE. SAMUEL J. SIEGEL, New York, N. Y., assignor to J. B. Campbell Manufacturing Co., Salem, N. J., a Corporation of New Jersey. Filed Apr. 26, 1924. Serial No. 9,412. Term of patent 3½ years.



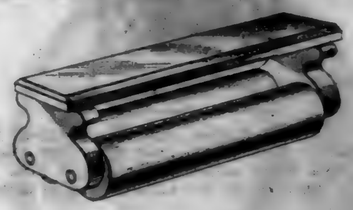
The ornamental design for oilcloth or similar article as shown.

67,726. LINGERIE BUTTON. CHRISTOPHER L. STANGE, St. Louis, Mo. Filed Apr. 3, 1925. Serial No. 12,998. Term of patent 3½ years.



The ornamental design for a lingerie button, as shown.

67,727. ROLLING PIN. WILLIAM STRASBURGER and JOSEPH HERMANN, Jr., Cincinnati, Ohio. Filed Apr. 6, 1922. Serial No. 1,614. Term of patent 3½ years.





The ornamental design for a rolling pin as shown.

67,728. TIRE TREAD. JOHN THOMPSON, Philadelphia, Pa. Filed May 1, 1925. Serial No. 13,275. Term of patent 7 years.



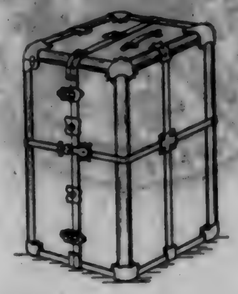
The ornamental design for a tire tread, as shown.

67,729. TREAD FOR A VEHICLE TIRE. REGINALD H. WATERS, Cumberland, Md., assignor to Kelly-Springfield Tire Company, New York, N. Y., a Corporation of New Jersey. Filed May 1, 1925. Serial No. 13,279. Term of patent 14 years.



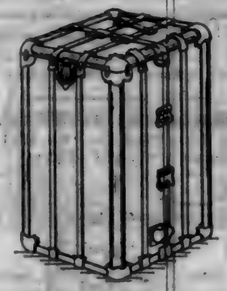
The ornamental design for a tread for a vehicle tire, as shown.

67,730. WARDROBE TRUNK. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed May 26, 1922. Serial No. 2,419. Term of patent 7 years.



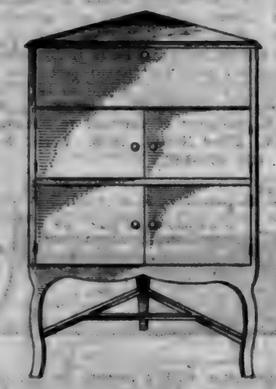
The ornamental design for a wardrobe trunk, as shown.

67,731. WARDROBE TRUNK. GEORGE HENRY WHEARY, Racine, Wis., assignor to Wheary-Burge Trunk Company, Racine, Wis., a Corporation of Wisconsin. Filed May 26, 1922. Serial No. 2,421. Term of patent 7 years.



The ornamental design for a wardrobe trunk, as shown.

67,732. CONSOLE CABINET OR SIMILAR ARTICLE. JACOB ZITSERMAN, Brooklyn, N. Y. Filed Apr. 8, 1925. Serial No. 13,070. Term of patent 14 years.



The ornamental design for a console cabinet or similar article, as shown.

PATENTS

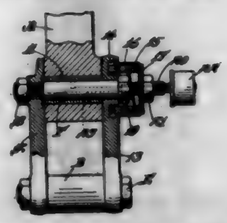
GRANTED JUNE 30, 1925.

1,543,658. BANK NOVELTY. VERNE P. ALEXANDER, Chicago, Ill., assignor of one-half to Nicholas Koenig, Chicago, Ill. Filed Nov. 3, 1923. Serial No. 672,692. 3 Claims. (Cl. 40—146.)



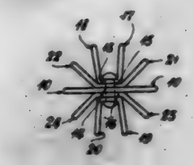
1. The combination with a picture frame; of a hollow base, studs projecting from the top of said base, the bottom rail of said picture frame having a recess for receiving said studs, and yieldable stud retaining means carried within said stud receiving recess and disposed in the path of said studs.

1,543,659. COMBINED SPRING SHACKLE AND SHOCK ABSORBER. STUART G. BAITS, Detroit, Mich., assignor to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Jan. 8, 1923. Serial No. 611,279. 10 Claims. (Cl. 267—54.)



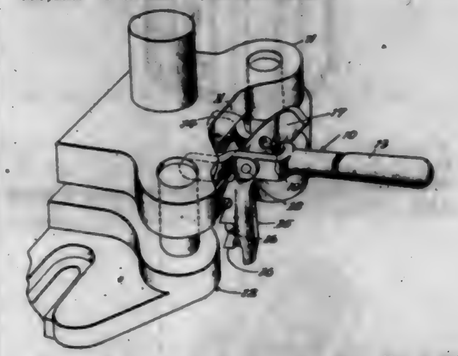
1. The combination with the frame and spring of a motor vehicle, of a shackle connecting the said parts, there being a frictional contact between the shackle and the frame, a spring acting against said shackle to force the latter against the proximate face of said frame to increase the friction between said parts, and means independent of said spring for securing said shackle to said frame.

1,542,660. FLUTED SPINDLE. JOHN BRANDWOOD, THOMAS BRANDWOOD, and JOSEPH BRANDWOOD, Elton, Bury, England. Filed Dec. 22, 1923. Serial No. 682,304. 2 Claims. (Cl. 8—18.)



2. A fluted spindle, comprising a flat plate, and a plurality of bars secured one over another and arranged on opposite sides of the flat plate and secured to it, said bars being all channel-shaped in cross-section and the inner bars having their edges spaced wider apart than the outer bars, the edges of all the bars and of the plate being arranged at equidistant points around a circle having its center substantially at the middle of the width and thickness of the flat plate.

1,543,661. PUNCH-HOLDER JACK. EMIL A. BAUMBACH, Chicago, Ill. Filed Dec. 22, 1924. Serial No. 757,456. 4 Claims. (Cl. 254—130.)



1. A punch holder jack for separating the punch holder from the die shoe comprising a lever having a lifting arm insertable under the punch holder between the punch holder and die shoe and a handle portion, and a pendant supporting dog pivotally connected to said lever intermediate the lifting arm and handle and having a series of foot portions, any one of which can engage the die shoe whereby the punch holder can be raised step by step by successively engaging succeeding foot portions with the die shoe, said jack being provided with a stop for limiting the distance to which the lifting arm can be inserted between the punch holder and die shoe.

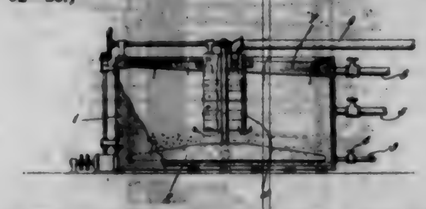
1,543,662. CALLING DEVICE. WILLIAM T. BOOTH, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 2, 1921. Serial No. 466,036. 3 Claims. (Cl. 179—90.)



1. In a calling dial, the combination with a finger wheel, a stationary disc having characters thereon, a variably operable shaft for said wheel, an impulse wheel fixed to said shaft, springs cooperating with said impulse wheel, a toothed wheel carried by said shaft, said toothed wheel having a number of teeth corresponding to the number of characters on said finger wheel, and

means actuated by the movement of said toothed wheel to render said impulse wheel ineffective with respect to said impulse springs during the setting movement of said finger wheel.

1,543,663. PROCESS OF MANUFACTURING PULP OR PAPER. LEWIS MILLER BOOTH, Plainfield, N. J. Filed Feb. 14, 1923. Serial No. 618,965. 3 Claims. (Cl. 92—28.)



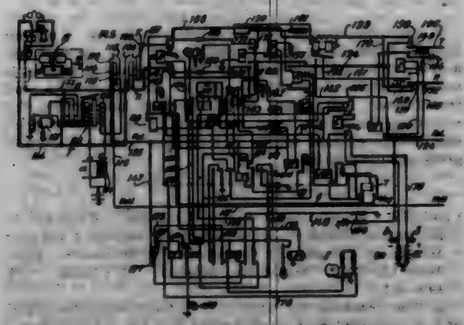
1. The process of manufacturing pulp or paper consisting of reclaiming for reuse the solid particles in the white water by the addition thereto of such reagents as will assist by coagulation in the sedimentation of the solid particles, permitting the solid particles to settle by sedimentation to the bottom of a sedimentation tank, gently agitating the liquid in the sedimentation tank by means of a slowly traveling agitator traveling near the bottom of the sedimentation tank, discharging the thickened pulp from the lower portion of the tank and the surplus liquid from a plurality of higher levels as required.

1,543,664. BRAKE-OPERATING MEANS FOR VEHICLES. DELBERT R. CAPEN, Chicago, Ill. Filed Oct. 14, 1922. Serial No. 594,451. 1 Claim. (Cl. 188—77.)



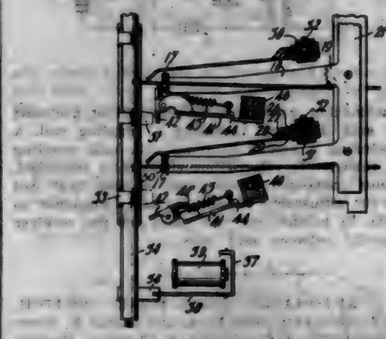
In a brake operating mechanism, a brake band, lever mechanism for contracting said brake band, guide members projecting on opposite sides of said band, and a spring connecting said lever mechanism with one of said guides for normally retaining the same in inoperative position.

1,543,665. ALARM SYSTEM FOR AUTOMATIC TELEPHONE EXCHANGES. ROY D. CONWAY, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 29, 1922. Serial No. 609,571. 14 Claims. (Cl. 179—6.3.)



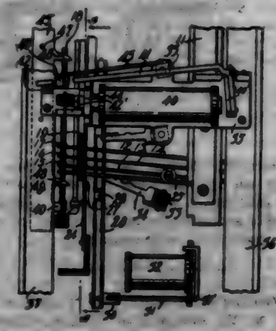
1. In a telephone system, a calling line having a sender and a coin controlled mechanism, an automatic numerical switch, an impulse circuit for setting said switch, means for automatically extending the calling line to said switch, means operated by the deposit of a coin for altering the calling line circuit, a test relay responsive to said alteration for placing said impulse circuit under control of said sender, means for applying current to said line to actuate said mechanism to dispose of the coin, an alarm signal, and means responsive to the normal condition of the calling line circuit to actuate said signal.

1,543,666. AUTOMATIC TELEPHONE SWITCH. HENRY F. DOBBIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,416. 3 Claims. (Cl. 179—27.5.)



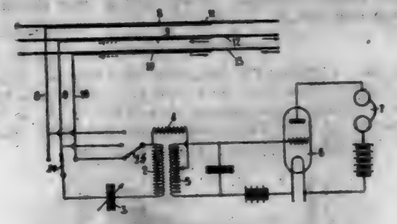
1. In a switching device, the combination of sets of normally disengaged active and passive contacts arranged in coordinate rows, an upright support for said active contacts, a plurality of pairs of supporting arms arranged on said support, a card arranged on each pair of said arms for supporting said active and passive contacts in adjusted position, a movable bar associated with said active contacts, another bar, and rotatable cams carried by the last mentioned bar for interconnecting said active and passive contacts.

1,543,667. AUTOMATIC TELEPHONE SWITCH. OSCAR F. FORSBERG, Yonkers, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,904. 5 Claims. (Cl. 179—27.5.)



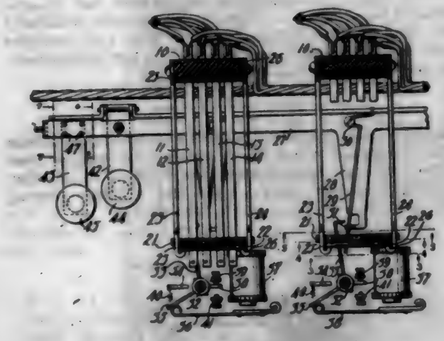
1. In a switching device, the combination of an operating bar, an armature loosely connected therewith, a magnet for actuating said bar through a movement of said armature, a stop plate, and checking members thereon adapted to limit the movement of said bar in two directions.

1,543,668. ARRANGEMENT FOR ELIMINATING NOISES IN HIGH-FREQUENCY TELEPHONY THROUGH POWER LINES. HERMANN GROWCKER, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Filed Apr. 30, 1923. Serial No. 635,584. 5 Claims. (Cl. 179—2.)



2. In combination, a power transmission line, a circuit coupled to said line, and including a coupling coil, a receiver including a second coupling coil, said coupling coils being inductively related but electrically insulated, an impedance connected to one side of said first coil and means for adjustably connecting said impedance to said receiver to balance out the effect on the receiver due to capacity between said coils.

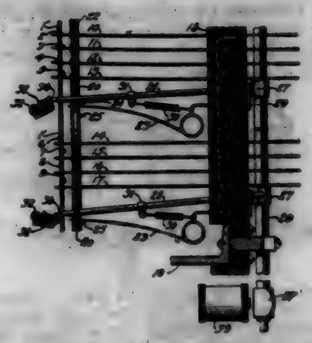
1,543,669. AUTOMATIC TELEPHONE SWITCH. CHARLES L. GOODRUM, New York, and OSCAR F. FORSBERG, Yonkers, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,420. 13 Claims. (Cl. 179—27.5.)



1. In a switching device, the combination of disengaged contacts, an operating bar therefor, electromagnets for operating said bar, a resilient member carried by said bar and movable sequentially in a plurality of coordinate directions for operating said contacts.

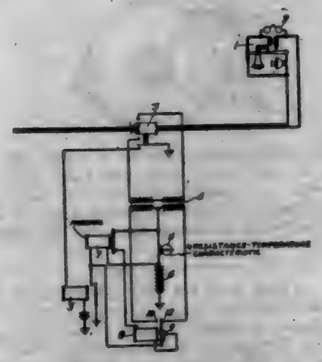
1,543,670. COORDINATE SWITCH. FRANK H. GRAHAM, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Sept. 7, 1922. Serial No. 586,618. 8 Claims. (Cl. 179—27.5.)

1. In a switching mechanism, sets of disengaged contacts, a selective mechanism therefor including a selective bar, a longitudinally movable member associated with each set of said contacts, an operating bar for said members, and means carried by the first mentioned bar



for moving said member in operable relation with the second mentioned bar to effect interengagement between said contacts.

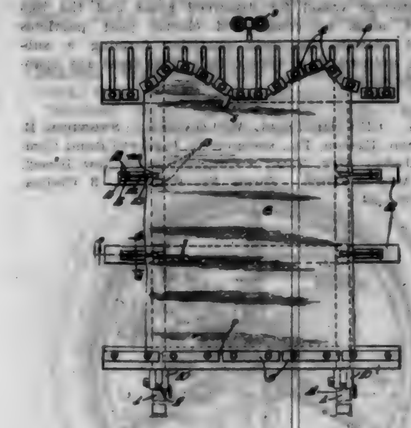
1,543,671. TELEPHONE SYSTEM. EDWARD E. HINRICHSEN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 23, 1920. Serial No. 375,986. 4 Claims. (Cl. 175—365.)



2. The combination of a circuit including a transformer, a source of battery supply for said transformer, means for periodically interrupting said battery supply, a normally shunted resistance element associated with said transformer, and means bridged across said source for removing the shunt from said resistance element when the voltage of said source is increased beyond a certain predetermined value.

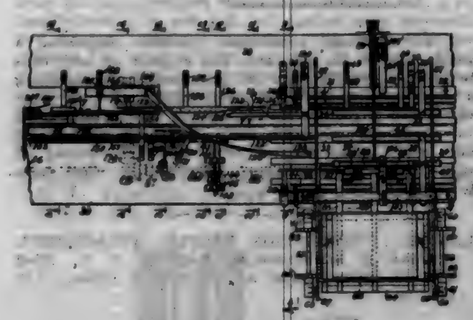
1,543,672. BUTT-BEND SIDE HOLDER. WILLIAM F. HORSTING, Chicago, Ill., assignor to Standard Leather Machinery Company, a Corporation of Delaware. Filed June 13, 1923. Serial No. 645,025. 11 Claims. (Cl. 149—21.)

5. The combination with a butt bend stretcher rack, of a bar on said rack having slots therein, notched plates secured on said bar to close said slots, levers projecting through said plates, pins on said levers adapted to be pierced through the side margins of a butt bend on



said rack, and means on said levers adapted to be engaged in the notches of said plates to hold the levers locked in adjusted positions on said plates.

1,543,673. AUTOMATIC WRAPPING MACHINE. BERNARD D. KNOWLES, New York, N. Y. Filed May 14, 1924. Serial No. 713,143. 22 Claims. (Cl. 270—29.)

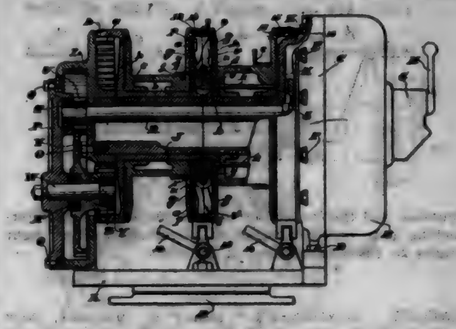


1. In a device of the character described, means for moving an article and wrapper therefor together longitudinally, means for folding them along a longitudinal line and means for bending one edge of the wrapper around both edges of the folded article.

1,543,674. DOUBLE-DRUM HOIST. EARL B. LEAR, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 18, 1924. Serial No. 699,967. 6 Claims. (Cl. 254—185.)

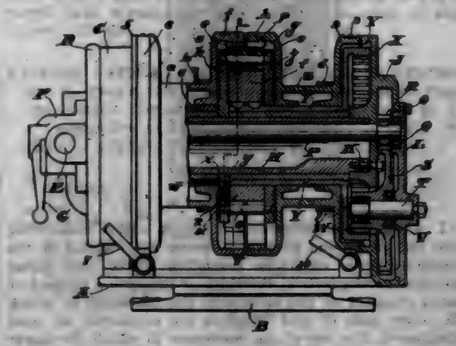
1. In a hoist, the combination of a frame, a driving shaft, two drums rotatable about the driving shaft, a motor connected to operate the driving shaft, opposed drivers carried by said drums respectively, a main driver including a pawl carrier and a ring connected to be rotated by the driving shaft, a pawl pivoted to the main driver for automatically connecting said main driver

to one or the other of the said opposed drivers in accordance with the direction of rotation of the driving shaft,



and means independent of the opposed drivers for rocking said pawl about its pivot into engagement with one or the other of said opposed drivers.

1,543,675. DOUBLE-DRUM HOIST. EARL B. LEAR, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 2, 1924. Serial No. 706,872. 5 Claims. (Cl. 254—185.)



1. In a hoist, the combination of a frame, a driving shaft, two drums rotatable about said driving shaft, a motor connected to operate said driving shaft, opposed drivers carried by said drums respectively, a main driver connected to be rotated by the driving shaft, a transversely rocking pawl associated with said main driver for automatically connecting said main driver to one or the other of said opposed drivers in accordance with the direction of rotation of the driving shaft, and positive means including a cam independent of the opposed drivers for rocking said pawl into engagement with one or the other of said opposed drivers.

1,543,676. ROLLED-SHEET-METAL PILING. JOSEPH LINDENLAUF, Pittsburgh, Pa., assignor of three-eighths to Herman Stratman and two-eighths to Harvey M. Aronson, both of Pittsburgh, Pa. Filed Feb. 12, 1924. Serial No. 692,300. 1 Claim. (Cl. 61—60.)

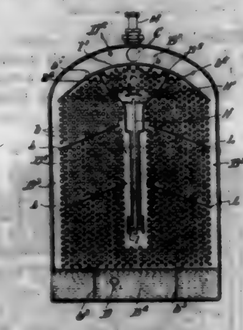
A wall consisting of a plurality of similar piles comprising integral rolled sections arranged with their neutral axes in alignment and each having its two edges similarly formed and each comprising a tongue and a hook extending in opposite directions from the neutral axis of the pile, a recess being provided on the inner side of the hook in alignment with said tongue and having a shape similar to that of the tongue, the said edges of adjacent sections interlocking, so as to prevent turning

about such edges, and the said tongues being of approximately uniform thickness throughout with their ends



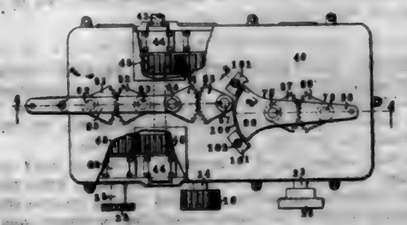
rounded, and the center lines of the tongues of each interlocking pair of edges being in alignment and at right angles to the neutral axes of the piles.

1,543,677. CONDENSER. HARRY C. MALLORY, New York, N. Y.; Sue R. Mallory administratrix of said Harry C. Mallory, deceased. Filed Mar. 29, 1923. Serial No. 628,618. 2 Claims. (Cl. 257—25.)



1. A condenser comprising a casing and a condensing core and partitions therein, dividing the interior of the condenser into vertically extending water and steam distribution channels at the sides of the core, a hotwell or outlet chamber at the bottom of the condenser to which the lower ends of said channels are connected, an inlet chamber at the top of the condenser to which the upper ends of said channels open, a central air connecting chamber above the last mentioned chamber and communicating therewith, and means for withdrawing air from the air cooling chamber.

1,543,678. POWER TRANSMISSION FOR VENEER LATHES. LOUIS G. MERRITT, Lockport, N. Y. Filed Apr. 25, 1922, Serial No. 556,511. Renewed Jan. 8, 1925. 35 Claims. (Cl. 144—209.)

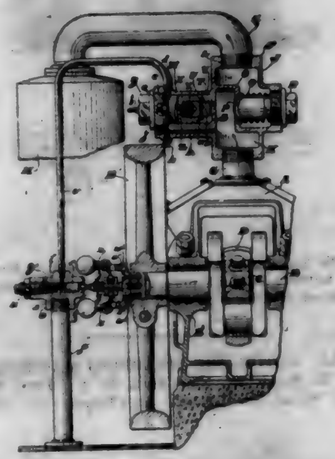


1. In a veneer lathe, in combination, log-driving mechanism, chuck-driving mechanism, and a unitary power-transmitting gear-box for driving both of said mechanisms.

1,543,679. STORAGE MEANS FOR GASES AND THE LIKE. EDOUARD ERNEST PETITJEAN, Paris, France. Filed Sept. 9, 1922. Serial No. 587,220. 2 Claims. (Cl. 23—246.)

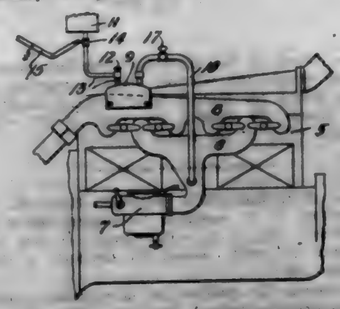
1. A storage vessel for dissolved gases and the like having a mass of compressed elastic peat particles contained therein, the said particles forming a substantially uniform mass substantially free from any openings or recesses.

1,543,680. CENTRIFUGAL UNLOADER. SHOWDEN B. REDFIELD, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed May 2, 1923. Serial No. 636,080. 3 Claims. (Cl. 230—24.)



1. A centrifugal compressor unloader comprising a relief valve in the discharge line exposed on both ends to pressure directly from the compressor and controlling a vent to atmosphere, a centrifugally operable pilot valve, and a conduit connecting one face of the relief valve through the pilot valve with atmosphere, said pilot valve being adapted to control the opening of said conduit to atmosphere whereby the relief valve is arranged to be actuated.

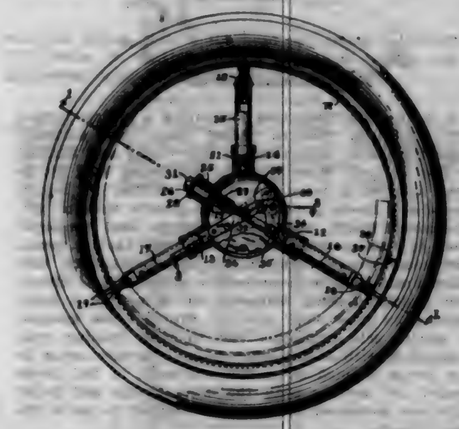
1,543,681. COMBUSTION-ENGINE ATTACHMENT. WILLIAM H. SCHOONMAKER, Montclair, N. J. Filed Nov. 17, 1922. Serial No. 601,516. 1 Claim. (Cl. 122—25.)



A humidifying apparatus for an internal combustion engine comprising a water reservoir, a valve controlled water-dripping means fed thereby, an open-bottomed shallow receptacle having inlet and outlet openings in the top thereof adapted to snugly fit the top of the exhaust

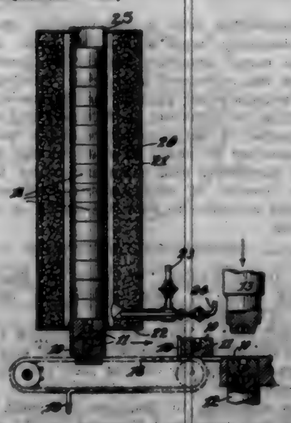
manifold of an internal combustion engine, said receptacle being served by the dripping means whereby the water supplied from the reservoir is converted into steam and conduits leading from the receptacle inlet and outlet to the explosion chamber of the internal combustion engine and to said dripping means respectively.

1,543,682. TIRE CARRIER. LEO PAUL SEMELL, Cleveland, Ohio, assignor of one-half to Bert M. Kent, Cleveland, Ohio. Filed Aug. 22, 1921. Serial No. 494,054. 10 Claims. (Cl. 224—29.)



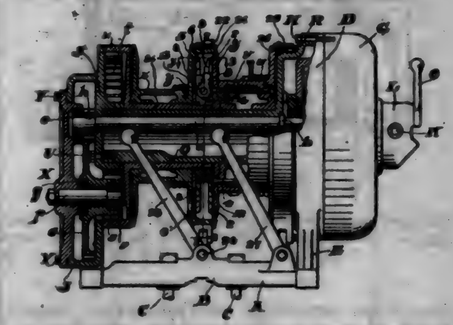
2. In a device of the class described, the combination of a hub having a plurality of radially projecting arms some of which are movable radially, one of said movable arms having a threaded extension within said hub, a rotatable member in said hub held against axial movement and having threads cooperating with said extension whereby the latter and its arm may be moved radially by the rotation of said member, and means independent of said rotatable member operatively connecting said extension with another of said arms so as to actuate the latter thereby.

1,543,683. DIAMOND DIE. AARON SIMONS, New York, N. Y. Filed Mar. 5, 1924. Serial No. 697,059. 9 Claims. (Cl. 205—29.)



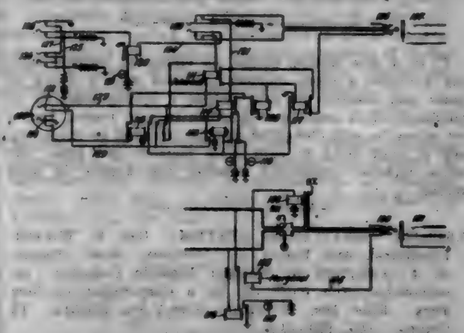
1. A diamond die including a diamond and a shell having a thickness less than the diameter of the diamond, and having a cooling flange formed thereon.

1,543,684. HOIST. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 5, 1923. Serial No. 622,779. 2 Claims. (Cl. 254—185.)



1. In a hoist, the combination of a frame, a driving shaft, two drums rotatable about the driving shaft, a motor connected to operate the driving shaft, opposed drivers carried by said drums respectively, a main driver connected to be rotated by the driving shaft, a pawl pivoted to the main driver for automatically connecting said main driver to one or the other of the said opposed drivers in accordance with the direction of rotation of the driving shaft, and additional means for rocking said pawl about its pivot and insuring that it is moved into engagement with one or the other of said opposed drivers.

1,543,685. SEMIAUTOMATIC TELEPHONE SYSTEM. RAY L. STOKELY, Floral Park, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 1, 1921. Serial No. 481,747. 22 Claims. (Cl. 179—27.)

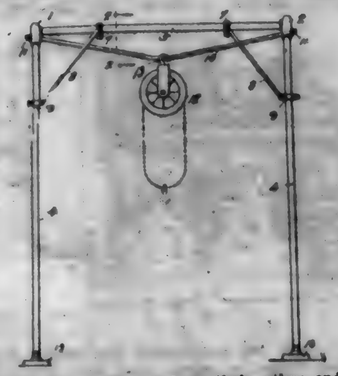


1. In a telephone system, a trunk terminating at one end in a pair of jacks and at the other end in an automatic switch, other automatic switches, a cord circuit and a connecting circuit for connection with said jacks respectively, a dial associated with said cord circuit for setting said switches, means for automatically disconnecting said trunk conductors from the cord circuit and connecting the same to the connecting circuit upon the selection of the called line, and means for maintaining the setting of the switches after said transfer from the cord circuit to the connecting circuit has taken place.

1,543,686. HOIST. FREDERICK W. WENGRAF, New Haven, Conn., assignor to Wilhelmine Wengraf, Chicago, Ill. Filed Jan. 2, 1920, Serial No. 348,929. Renewed Nov. 22, 1924. 3 Claims. (Cl. 189—16.)

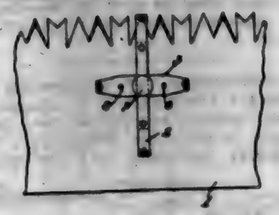
1. The combination with a horizontal member, of joint members carried by the ends thereof and having downwardly extending angularly disposed recesses therein, supporting rods adapted to have their free ends seated in

said recesses, collars slidably mounted on said horizontal member and said rods, means for locking said collars against movement, and ties pivotally connected at one



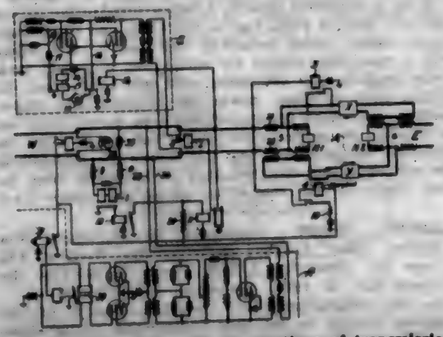
end to said rod collars and at their other end to the collar on the horizontal member, and means for supporting a hoisting device between said joint members.

1,543,687. ADJUSTABLE SAW-SETTING GAUGE. LOUIS WIGEN, Chicago, Ill. Filed Sept. 2, 1923. Serial No. 585,840. 4 Claims. (Cl. 33—202.)



1. In a saw setting gauge, an elongated member having a recess, a cross member provided with a series of holes and slidable in said recess, a spring adapted to yieldingly hold said cross member in said recess, and a set screw in said elongated member adapted to enter any one of said holes in said cross member and press the cross member outwardly against the action of said spring.

1,543,688. SWITCHING SYSTEM. RAY S. WILBUR, Lyndhurst, and EDGAR D. JOHNSON, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 17, 1920. Serial No. 431,514. 13 Claims. (Cl. 179—2.)



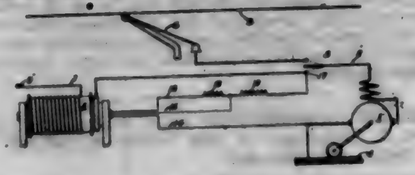
1. In a signaling system, two sections of transmission lines, a four-wire repeater circuit associated with one section, terminal apparatus between the repeater circuit and the other section, a single conductor extending from the terminal apparatus to the repeater circuit, and means to control over said conductor the connections of the repeater circuit to prevent singing.

1,543,689. FUSE. SAMUEL WILEY, Metuchen, N. J. Filed Nov. 6, 1923. Serial No. 673,445. 7 Claims. (Cl. 102—38.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)



1. A fuse for projectiles embodying a casing formed with oppositely directed dished seats, two normally separated blocks maintained in said casing and adapted to rest at their outer faces in said seats, said blocks being adapted to move toward one another on impact, one of said blocks provided with a powder train of predetermined length adapted to explode said projectile when said blocks are moved toward one another, means interposed between said blocks and maintaining said blocks apart in flight, a projection on one of said blocks, said projection being hollowed out to receive a delay charge, the other block provided with a recess adapted to receive said projection and with an opening communicating with said powder train, a powder pellet in thee recess adapted to prevent movement of the blocks toward one another until the delay charge and pellet have been consumed and a primer adapted to ignite the delay charge.

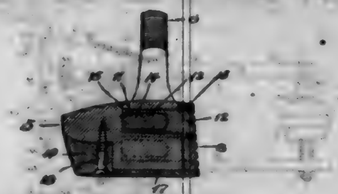
1,543,690. MOTOR FOR GATHERING REELS. EVERETT ASHWORTH, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 13, 1923. Serial No. 651,210. 10 Claims. (Cl. 242—91.)



2. In combination with a direct-current motor associated mechanically with a movable body, of a load turning the motor armature against its torque during one part of the movement and being operated by said armature during another part of the movement, said motor comprising an armature, a field winding and a resistor connected in series relation and a second field winding connected in shunt relation to the portion of the circuit comprising said armature, series field winding and a portion of said resistor, said series field winding being arranged to buck the action of said shunt field winding.

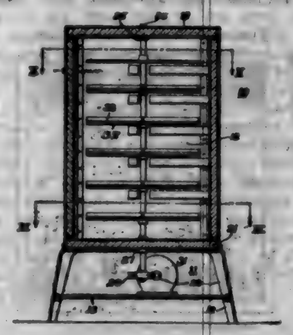
1,543,691. GOLF CLUB. WILLIAM N. BEAT, Cicero, Ill. Filed June 10, 1922. Serial No. 567,254. 4 Claims. (Cl. 273—77.)

4. In a golf club, a golf club head having a threaded bore therein extending transversely thereof and part way therethrough between the driving face and back of the head, an externally threaded weight carrier having a bore therein extending in from one end only, a weight contained in said bore, said threaded weight carrier being threadedly secured in said threaded bore of the head, the bottom face in said head being formed with a recess, and a bottom plate formed of aluminum led into said recess and terminating at the lower edge of the driving face of the head, said bottom plate being flush



with the bottom face of the head and acting to protect the bottom of the balanced head without adding any appreciable weight thereto.

1,543,692. OVEN. HERMAN M. BERGE, Oakmont, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 8, 1923. Serial No. 617,765. 6 Claims. (Cl. 219—35.)



1. In an oven, in combination, a plurality of heat-insulating panels enclosing a substantially rectangular oven chamber, means for moving material in a substantially circular path in said chamber, and a plurality of heating elements, of arcuate form, located in the corners of said chamber.

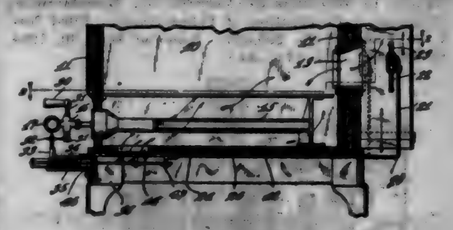
1,543,693. PUZZLE. ADAM BOLTZ, Glendale, N. Y. Filed Dec. 27, 1922. Serial No. 609,176. 9 Claims. (Cl. 273—115.)



1. A puzzle device of the class described, comprising a casing provided with a plurality of semi-circular channels communicating centrally of the casing, the central portion of the casing being provided with an upstanding member having a recess at the peak thereof, and a member movably mounted in the casing and adapted to be placed in said recess.

1,543,694. COOKING STOVE. JOHN H. CHAMBERS, Shelbyville, Ind. Filed Apr. 17, 1924. Serial No. 707,259. 12 Claims. (Cl. 126—42.)

1. In combination, an oven having heat-insulating walls and ventilation-control means, heating means for said oven, a control device for said heating means, a movable member having a pivotal connection with said



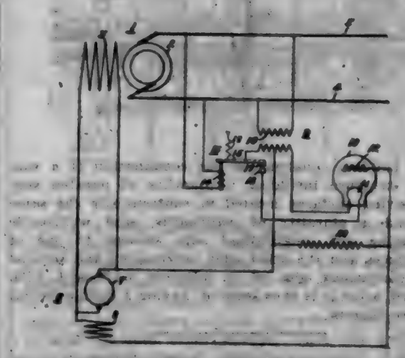
ventilation control means, said member being rotatable about the axis of said pivotal connection to control the operation of said heat-control device.

1,543,695. BRASS-MELTING FURNACE. ORA A. COLBY, Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 12, 1923. Serial No. 612,204. 7 Claims. (Cl. 204—34.)



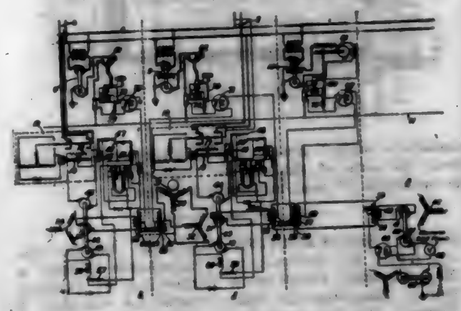
1. An electric resistance furnace comprising a plurality of radially extending, relatively thin, flat, refractory resistor plates, located in a substantially circular path, and a plurality of refractory terminal members, of wedge shape, interposed between certain of said plates and symmetrically spaced circumferentially thereof.

1,543,696. REGULATOR SYSTEM. FRANK CONRAD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 16, 1918. Serial No. 254,220. 6 Claims. (Cl. 171—229.)



1. In a regulator system connected to a supply circuit, a resistor, a vacuum tube connected to said resistor having a hot cathode and a grid anode, and a relay operated in accordance with the voltage obtaining in the supply circuit for connecting said cathode across the supply circuit to control said resistor.

1,543,697. SYSTEM OF DISTRIBUTION. ALMON W. COPLEY and ROBERT D. EVANS, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1917. Serial No. 200,664. Renewed Sept. 30, 1924. 11 Claims. (Cl. 171—84.)



5. In a measuring system, the combination with a plurality of power-measuring devices, of polyphase dynamos actuated to generate electro-motive forces having frequencies varying in accordance with the indications of the respective measuring devices, means comprising a single-phase transmission line for operatively connecting the dynamos in cascade and means actuated in accordance with the resultant of the several frequencies generated in the system.

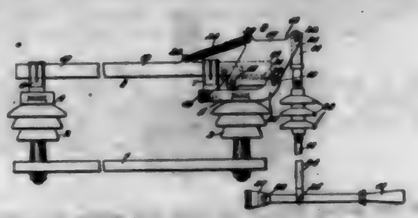
1,543,698. BUILDING CONSTRUCTION. JOHN CORMIE, Trenton, N. J., assignor to The Agasote Millboard Company, Trenton, N. J., a Corporation of New Jersey. Filed Sept. 18, 1924. Serial No. 738,338. 3 Claims. (Cl. 20—4.)



1. In building construction the combination of a supporting structure including a plurality of parallel supports, having surfaces located in substantially the same plane and a plurality of wallboards, said wallboards each having one longitudinal edge secured to one of said surfaces and the other edge overlapping and secured to the contiguous edge of an adjacent wallboard, each wallboard, after it is thus secured, having a double lateral curvature therein.

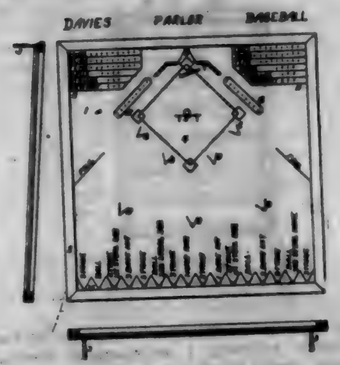
1,543,699. DISCONNECTING SWITCH. LESLIE N. CRICHTON, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,350. 5 Claims. (Cl. 200—48.)

2. A knife-blade switch comprising a pair of spaced jaw members, a blade member extending therebetween and having an end portion extending beyond one of the jaw members, a lever having a stationary pivot and direct



pivotal connection to the blade member adjacent to said end portion, and cushioning means between the blade member and the lever.

1,543,700. PARLOR BASEBALL GAME. JOSIAH DAVIES, Oshawa, Canada. Filed Jan. 9, 1924. Serial No. 685,277. 1 Claim. (Cl. 273—88.)



In a device of the character described a game board having the representation of a baseball diamond at one end, raised barriers along the foul lines, a series of pockets in each one of the fielders' positions, and a series of connected resilient pockets at the end of the board remote from the baseball diamond designated to indicate the play made by the batter, a pair of scoreboards to record the progress of the game, a miniature baseball bat, and a rolling element to be used in connection therewith.

1,543,701. MOLD FOR PROPELLERS. DANIEL ADAM DICKEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,244. 4 Claims. (Cl. 18—34.)



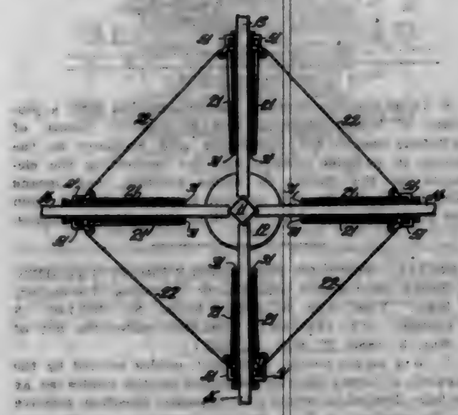
4. A mold for propellers comprising a hub-forming section and blade-forming sections, each comprising co-operating members and all adapted, when properly assembled, to provide a propeller-shaped molding chamber of which portions at the meeting points of the sections are of substantially circular cross section, the blade-forming sections being adapted to be reversely turned about their longitudinal axes, whereby material positioned in the mold, to be formed into a propeller, may be twisted so that its blade portions may be molded at any desired pitch.

1,543,702. CROSS-CHAIN CONNECTER FOR ANTISKID CHAINS. ALEXANDER I. G. DE RUSS, Winnetka, Ill. Filed Dec. 8, 1924. Serial No. 754,518. 1 Claim. (Cl. 24—242.)



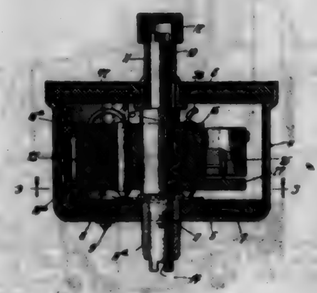
A device of the character described including co-operating flat members pivotally connected together intermediate their ends, and in proximity to one extremity of the members, the entire proximate faces of the members on one side of the pivot being adapted to rest flat against each other, the extremity of each of the members on the other side of the pivot being shaped to form an eye, adapted to receive a link through the said eyes, the other extremity of each of the said members being provided with elongated slots within the confines of the sides of the respective members, said slots having restricted entrance openings extending through the proximate edges of the said members, the said entrance openings being disposed intermediate and spaced from both of the ends of the respective slots, the slotted extremities of said members being adapted to overlap when the other ends of the said members are brought together, whereby the slots will be brought into register, and the entrance openings of the slots will be respectively closed by the body portion of the other of the said members, each of the members being maintained entirely on one side of the other member.

1,543,703. REVOLVING DOOR. HARRY W. DYER, New York, N. Y. Filed Jan. 14, 1924. Serial No. 685,950. 21 Claims. (Cl. 20—18.)



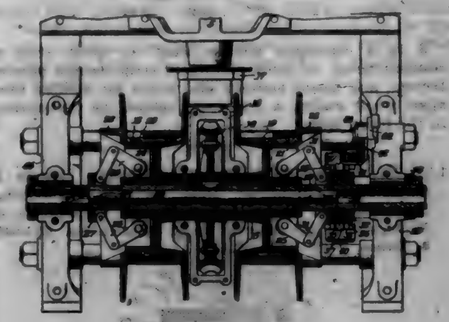
1. A revolving door of the class described having wings arranged radially about an axial supporting member and an extensible flexible connection extending between adjacent wings and holding said wings in spaced relation and adjustably positioned means on said wings for securing said connection to said wings.

1,543,704. SIGNAL FOR MOTOR VEHICLES. HARRY C. EVELYN, Chicago, Ill. Filed May 16, 1921. Serial No. 469,818. 9 Claims. (Cl. 175—355.)



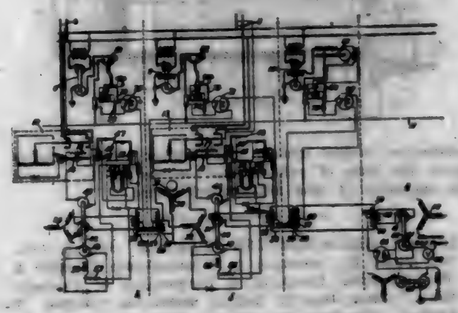
1. In a signal device for vehicles, the combination of a rotative member adapted to be driven at a rate of speed varying proportionately with that of the vehicle, a switch member pivotally mounted on said rotative member and adapted to be shifted relatively thereto by centrifugal force, a plurality of contact members mounted on said rotative member and forming elements of a plurality of parallel circuits, said contact members being adapted for contact adjacent the free end of said switch member and coacting therewith to successively open said circuits as the speed of said rotative member is increased.

1,543,705. HOIST. NELS P. FLODIN, Marquette, Mich., assignor to Lake Shore Engine Works, Marquette, Mich., a Corporation of Michigan. Filed June 24, 1921. Serial No. 480,026. 2 Claims. (Cl. 254—185.)



1. In a hoist mechanism, a driving shaft, a hollow driven shaft, a pair of hoist drums upon said driven shaft in spaced relation, said drums being rotatable independently of each other and of the shaft, a clutch shaft in said hollow driven shaft, clutches operating upon each of said drums, clutch operating sleeves for each of said clutches fitted slidably upon the hollow shaft and connected through slots in the shaft to the clutch shaft, a lever operatively connected to one of said clutch sleeves, brakes operating upon the drums, and means connecting said brakes to said lever, whereby movement of the lever in either direction from an intermediate position serves to release the brake and throw in the clutch on one of said drums.

1,543,697. SYSTEM OF DISTRIBUTION. ALMON W. COPLEY and ROBERT D. EVANS, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 7, 1917, Serial No. 200,664. Renewed Sept. 30, 1924. 11 Claims. (Cl. 171—84.)



5. In a measuring system, the combination with a plurality of power-measuring devices, of polyphase dynamos actuated to generate electro-motive forces having frequencies varying in accordance with the indications of the respective measuring devices, means comprising a single-phase transmission line for operatively connecting the dynamos in cascade and means actuated in accordance with the resultant of the several frequencies generated in the system.

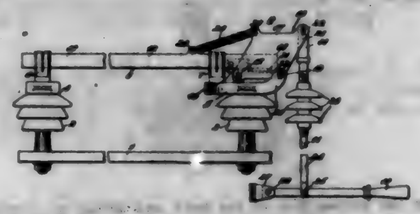
1,543,698. BUILDING CONSTRUCTION. JOHN CORMIE, Trenton, N. J., assignor to The Agasote Millboard Company, Trenton, N. J., a Corporation of New Jersey. Filed Sept. 18, 1924. Serial No. 738,838. 8 Claims. (Cl. 20—4.)



1. In building construction the combination of a supporting structure including a plurality of parallel supports, having surfaces located in substantially the same plane and a plurality of wallboards, said wallboards each having one longitudinal edge secured to one of said surfaces and the other edge overlapping and secured to the contiguous edge of an adjacent wallboard, each wallboard, after it is thus secured, having a double lateral curvature therein.

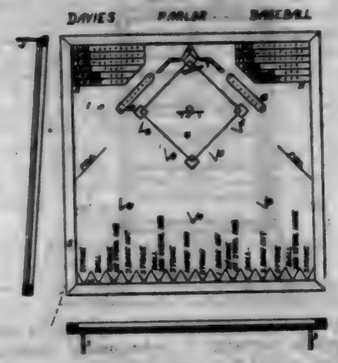
1,543,699. DISCONNECTING SWITCH. LESLIE N. CRICHTON, Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 2, 1920. Serial No. 421,250. 5 Claims. (Cl. 200—48.)

2. A knife-blade switch comprising a pair of spaced jaw members, a blade member extending therebetween and having an end portion extending beyond one of the jaw members, a lever having a stationary pivot and direct



pivotal connection to the blade member adjacent to said end portion, and cushioning means between the blade member and the lever.

1,543,700. PARLOR BASEBALL GAME. JOSIAH DAVIES, Oshawa, Canada. Filed Jan. 9, 1924. Serial No. 685,277. 1 Claim. (Cl. 273—88.)



In a device of the character described a game board having the representation of a baseball diamond at one end, raised barriers along the foul lines, a series of pockets in each one of the fielders' positions, and a series of connected resilient pockets at the end of the board remote from the baseball diamond designated to indicate the play made by the batter, a pair of scoreboards to record the progress of the game, a miniature baseball bat, and a rolling element to be used in connection therewith.

1,543,701. MOLD FOR PROPELLERS. DANIEL ADAM DICKEY, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 15, 1919. Serial No. 277,244. 4 Claims. (Cl. 18—34.)



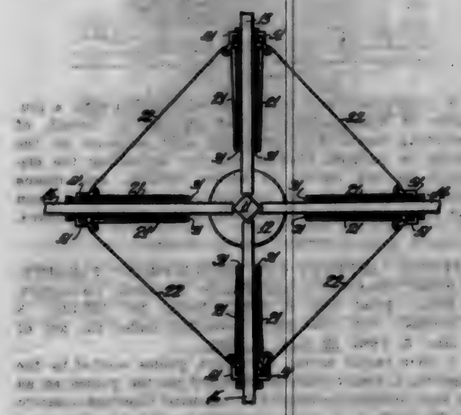
4. A mold for propellers comprising a hub-forming section and blade-forming sections, each comprising cooperating members and all adapted, when properly assembled, to provide a propeller-shaped molding chamber of which portions at the meeting points of the sections are of substantially circular cross section, the blade-forming sections being adapted to be reversely turned about their longitudinal axes, whereby material positioned in the mold, to be formed into a propeller, may be twisted so that its blade portions may be molded at any desired pitch.

1,543,702. CROSS-CHAIN CONNECTER FOR ANTISKID CHAINS. ALEXANDER I. G. DE REMS, Winnetka, Ill. Filed Dec. 8, 1924. Serial No. 754,518. 1 Claim. (Cl. 24—242.)



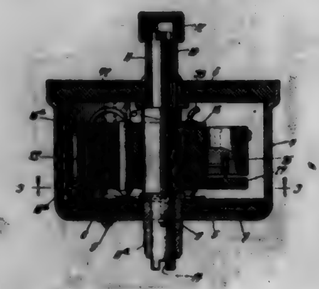
A device of the character described including cooperating flat members pivotally connected together intermediate their ends, and in proximity to one extremity of the members, the entire proximate faces of the members on one side of the pivot being adapted to rest flat against each other, the extremity of each of the members on the other side of the pivot being shaped to form an eye, adapted to receive a link through the said eyes, the other extremity of each of the said members being provided with elongated slots within the confines of the sides of the respective members, said slots having restricted entrance openings extending through the proximate edges of the said members, the said entrance openings being disposed intermediate and spaced from both of the ends of the respective slots, the slotted extremities of said members being adapted to overlap when the other ends of the said members are brought together, whereby the slots will be brought into register, and the entrance openings of the slots will be respectively closed by the body portion of the other of the said members, each of the members being maintained entirely on one side of the other member.

1,543,703. REVOLVING DOOR. HARRY W. DYER, New York, N. Y. Filed Jan. 14, 1924. Serial No. 685,950. 21 Claims. (Cl. 20—18.)



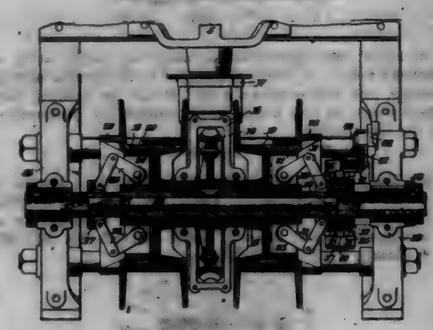
1. A revolving door of the class described having wings arranged radially about an axial supporting member and an extensible flexible connection extending between adjacent wings and holding said wings in spaced relation and adjustably positioned means on said wings for securing said connection to said wings.

1,543,704. SIGNAL FOR MOTOR VEHICLES. HARRY C. EVELYN, Chicago, Ill. Filed May 16, 1921. Serial No. 469,818. 9 Claims. (Cl. 175—355.)



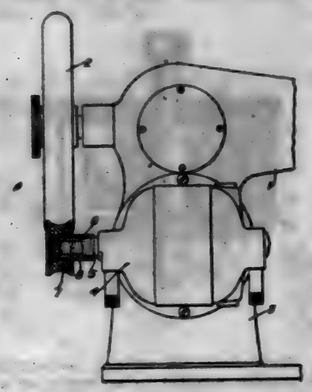
1. In a signal device for vehicles, the combination of a rotative member adapted to be driven at a rate of speed varying proportionately with that of the vehicle, a switch member pivotally mounted on said rotative member and adapted to be shifted relatively thereto by centrifugal force, a plurality of contact members mounted on said rotative member and forming elements of a plurality of parallel circuits, said contact members being adapted for contact adjacent the free end of said switch member and coacting therewith to successively open said circuits as the speed of said rotative member is increased.

1,543,705. HOIST. NELS P. FLODIN, Marquette, Mich., assignor to Lake Shore Engine Works, Marquette, Mich., a Corporation of Michigan. Filed June 24, 1921. Serial No. 480,026. 2 Claims. (Cl. 254—185.)



1. In a hoist mechanism, a driving shaft, a hollow driven shaft, a pair of hoist drums upon said driven shaft in spaced relation, said drums being rotatable independently of each other and of the shaft, a clutch shaft in said hollow driven shaft, clutches operating upon each of said drums, clutch operating sleeves for each of said clutches fitted slidably upon the hollow shaft and connected through slots in the shaft to the clutch shaft, a lever operatively connected to one of said clutch sleeves, brakes operating upon the drums, and means connecting said brakes to said lever, whereby movement of the lever in either direction from an intermediate position serves to release the brake and throw in the clutch on one of said drums.

1,543,706. RESILIENT DRIVE WHEEL. GEORGE H. GARCELON, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 8, 1919. Serial No. 270,142. 9 Claims. (Cl. 74—26.)



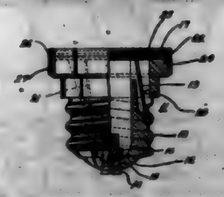
1. A power-transmission device comprising a driving shaft having one end of reduced diameter, a helical spring mounted on the larger portion of said shaft and surrounding, but spaced from, said reduced portion, and a drive wheel mounted upon the opposite end of said spring member.

1,543,707. FRICTION BAND. EDWIN R. GILL, Yonkers, N. Y. Filed May 7, 1923. Serial No. 637,107. 8 Claims. (Cl. 188—259.)



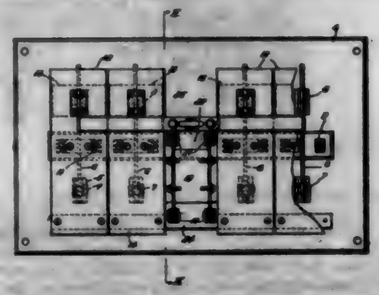
8. In a compound friction band, an outer strip of resilient metal, an inner perforated strip secured parallel thereto, and means between said strips for holding them apart while leaving a free space behind the perforations in the inner strip.

1,543,708. ELECTRIC CIGAR LIGHTER. LEWIS J. GREENAWALT, Mansfield, Ohio, assignor to Westinghouse Electric Products Company, a Corporation of Michigan. Filed May 9, 1923. Serial No. 637,647. 8 Claims. (Cl. 219—32.)



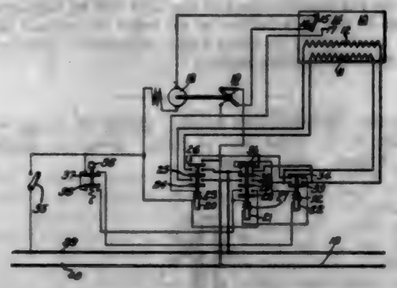
1. A cigar lighter comprising a tubular refractory member having a closed end, a plate of electric-insulating material operatively engaging said tubular member at its open end, a slotted resistor member supported by said plate of electric-insulating material and secured thereto by integral return bent portions and means for securing said plate and said resistor member against said tubular member.

1,543,709. SWITCH MECHANISM. ARTHUR JOHN HALL, Winchcombe, England, and PAUL L. MARSH, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 31, 1921. Serial No. 441,412. 7 Claims. (Cl. 200—50.)



1. Switch mechanism comprising an insulating panel, a switch member mounted on the panel, a pair of contact members, an insulating cover pivoted upon the panel and movable independently of the switch member for protecting the switch member, and a switch member carried by the cover for connecting the pair of contact members.

1,543,710. HEATER-CONTROL SYSTEM. HOWARD A. HANDS, Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Apr. 18, 1922. Serial No. 555,142. 8 Claims. (Cl. 204—64.)

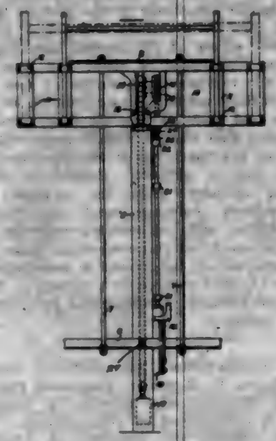


8. In an electric furnace, the combination with a plurality of heater elements and an electric circuit, of switching means for connecting said elements to the circuit in parallel relation and for connecting the elements to the circuit in series relation, and means directly exposed to the thermal energy dissipated from the heater elements for controlling the switching means.

1,543,711. SUPPORT FOR SINGLE-FRONT TARGETS. HARRY HOISINGTON and FRANK HARDING, Davenport, Iowa. Filed Apr. 8, 1924. Serial No. 705,146. 8 Claims. (Cl. 124—15.) (Granted under the act of Mar. 3, 1883, 22 Stat. L., 625.)

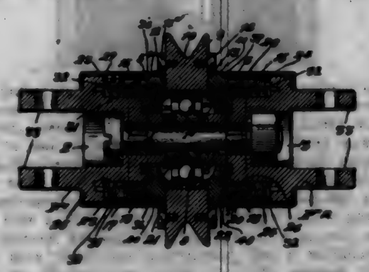
1. In a target mount, a support, guides carried by the support, a target slidably mounted on the guides so as to have limited movement in opposite direction relative to the support, a drum rotatably mounted on the support, flexible means adapted to pass over the drum and having frictional engagement with the same and connected with the target at one end and at the other end to a counterweight, flexible means adapted to be unwound from the drum in one direction to permit an initial movement of the target, said means being of a length equal to substantially half the range of movement of the target so that said means is automatically

rewound on the drum in the opposite direction during movement of the target, a rod, a member connected to the last named flexible means slidably mounted on the rod, whereby movement of the rod in one direction causes unwinding of said flexible member, a locking member



pivotally mounted on the frame and used to move by gravity to lock the target in one limit of its movement, means on the rod adapted to retain the locking member in locking position, and resilient means interposed between the last named means and the slidable member.

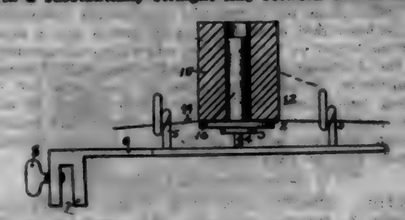
1,543,712. BALL-BEARING TROLLEY WHEEL. WILLIAM JETTER, Collingswood, N. J., and WALTER S. Lemmon, New York, N. Y. Filed Jan. 21, 1922. Serial No. 530,985. 12 Claims. (Cl. 191—59.)



1. In combination, a wheel frame comprising a pair of separable members, an anti-friction bearing secured in and insulated from said frame, a wheel rim mounted on said bearing, and a fastening element extending laterally outward from each of said members, whereby the frame may be mounted in the harp of a trolley pole.

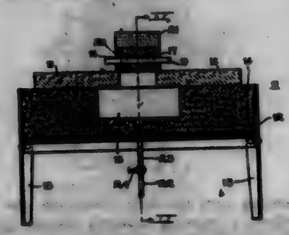
1,543,713. WAXING DEVICE. JOHN W. LAUX, Philadelphia, Pa. Filed Jan. 20, 1923. Serial No. 613,866. 2 Claims. (Cl. 91—36.)

1. In a thread waxing device, the combination with a support of a pair of thread guides, a freely rotatable spool having a cylinder, a wax cylinder fitting over the cylinder of the spool and movable vertically and circularly thereon, a platform and spindle for the spool, the spool being mounted rotatably to said spindle and mounted so that the lead in thread guide is in a substantially straight line between the source of supply and the side of the spool cylinder, and the draw-off thread guide is in a substantially straight line between the collecting



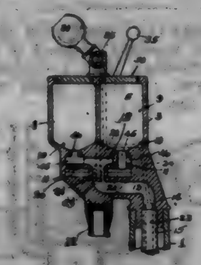
device and the side of the cylinder, the cylinder being adapted to have the thread pass completely around it.

1,543,714. HEAT-TREATING FURNACE. GEORGE M. LITTLE, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Feb. 3, 1923. Serial No. 616,758. 3 Claims. (Cl. 263—2.)



1. In a heat-treating furnace, in combination, a plurality of refractory walls defining a furnace chamber having an open side, movable refractory blocks partly closing said open side, a refractory block for completely closing said open side and having a plurality of material-receiving openings therein, and means for heating said furnace chamber and said refractory block.

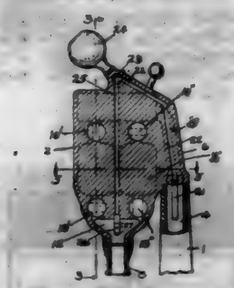
1,543,715. DRAFT ARM FOR SODA FOUNTAINS. HARRY J. MCCUE, Cleveland, Ohio, assignor to The H. J. McCue Company, a Corporation of Ohio. Filed Mar. 25, 1921. Serial No. 456,876. 2 Claims. (Cl. 225—36.)



1. In a dispensing arm for soda fountains, the combination of a hollow standard, a plurality of conduits enclosed within said standard and carrying flavored syrup and carbonated liquid, respectively, an enlarged casing of substantially rectangular shape mounted at the upper end of said standard and projecting forwardly therefrom, four liquid measuring compartments occupying the respective quarters of said casing, a constricted passageway common to said measuring compartments having a discharge orifice located centrally beneath said casing, transverse openings extending from side to side through said housing and communicating with openings in the base of said measuring chambers, tapered valve plugs for each individual measuring chamber

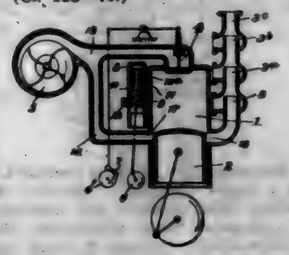
inserted within said transverse openings upon opposite sides of said housing, a T-shaped passageway in each of said valve plugs for alternately establishing communication between said measuring compartments and a source of syrup supply or between said measuring compartments and the discharge orifice of said housing, said T-shaped passageways in adjacent valves at each side of the housing being oppositely disposed with respect to each other, and separate means on each side of said housing for simultaneously operating the valves of each laterally disposed pair of chambers.

1,543,716. DRAFT ARM FOR SODA FOUNTAINS. HARRY J. MCCUE, Cleveland, Ohio, assignor to The H. J. McCue Company, a Corporation of Ohio. Filed Mar. 25, 1921. Serial No. 455,877. 1 Claim. (Cl. 225—25.)



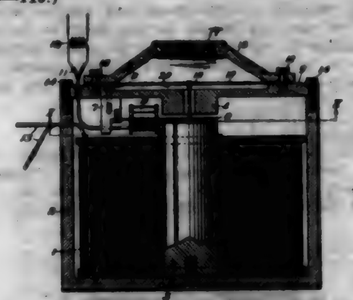
In a dispensing arm for soda fountains, the combination of a support, a housing mounted thereon, four measuring chambers occupying the respective quarters of said housing, a rotatable valve plug projecting inwardly above and below each measuring chamber in axial alignment with similar plugs projecting inwardly from the opposite side of said housing into the adjacent chamber, with the valve ports of said plugs arranged transversely of the body portions thereof and at right angles to each other in the plugs above and below each chamber and also with respect to the adjacent plugs in the laterally and rearwardly adjacent chambers when said valves are in closed position in diagonally opposite chambers, and separate means on each side of said housing for simultaneously operating the valves of each laterally disposed pair of chambers.

1,543,717. INTERNAL-COMBUSTION ENGINE. FRANZ MIDLER, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio, a Corporation of Maryland. Filed Feb. 17, 1923. Serial No. 619,772. 9 Claims. (Cl. 123—70.)



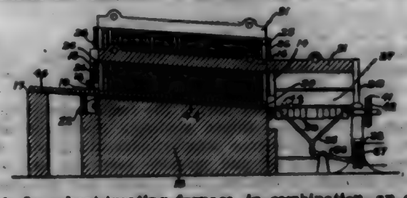
6. In a two-stroke internal combustion engine, a working cylinder provided with a piston and with admission and exhaust ports, controllable means for regulating the volume of air compressed in the working cylinder, an auxiliary cylinder provided with a piston and adapted to be connected with the working cylinder at predetermined intervals, a device for introducing into said auxiliary cylinder a predetermined quantity of fuel and a practically fixed volume of gaseous medium, properly timed means for operating said auxiliary piston to compress the mixture of fuel and gaseous medium in said auxiliary cylinder and to inject said compressed prepared fuel mixture into the less highly compressed air charge enclosed in the working cylinder, means for so controlling the percentage of fuel and air in the working cylinder that the resultant combustible mixture produces a power stroke of the highest practical efficiency under varying conditions of speed and load, means in said device for varying the quantity of fuel introduced into said auxiliary cylinder in accordance with the heat value of the fuel used, so that the heat units (B. t. u.) of the injected fuel charge remain practically constant irrespective of the character of the fuel used, a blower operable to pass a sufficient current of air through the working cylinder when the exhaust ports are open to properly scavenge, cool and recharge the working cylinder, and connections whereby a portion of the kinetic energy of the combustion gases is utilized to relieve the load on the blower in maintaining a sufficient supply of air for properly scavenging, cooling and recharging the working cylinder under varying conditions of load and speed.

1,543,718. LOUD-SPEAKING DEVICE FOR WIRELESS. RALPH E. MARBURY, Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed July 30, 1920. Serial No. 400,265. 6 Claims. (Cl. 179—119.)



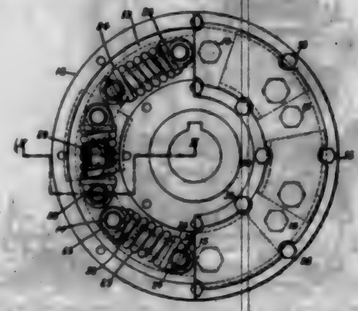
1. In combination with magnetic means including two pole-pieces with an air gap therebetween, a member disposed within said air-gap and movable bodily toward and away from the respective pole-pieces, one of said pole-pieces having an opening therein terminating in said air gap, a diaphragm spaced from the outer face of said last-mentioned pole-piece, a connecting member extending within said opening and connecting said diaphragm and said movable member, and an electric circuit including a coil operatively associated with said movable member said coil being outside said air gap.

1,543,719. SECTIONAL ELECTRIC FURNACE. WILLIAM J. MERTEN, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 20, 1921. Serial No. 502,044. 5 Claims. (Cl. 263—6.)



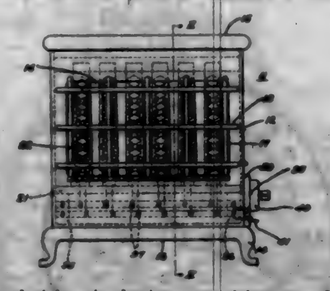
1. In a heat-treating furnace, in combination, an elongated furnace chamber, means for varying the active length of said chamber, electrical heating elements in the floor and walls of said chamber, and a heat-conserving chamber adjacent to said furnace chamber for storing said heated material.

1,543,720. FLEXIBLE COUPLING. WILLIAM H. PHILLIPS, Aspinwall, and WILLIAM G. HUSSEY, Pittsburgh, Pa., assignors to R. D. Nuttall Company, a Corporation of Pennsylvania. Filed Feb. 20, 1920. Serial No. 360,040. 11 Claims. (Cl. 64—100.)



1. In a driving connection, the combination with a flanged driven member having a plurality of openings in the flange, a plurality of longitudinally extending pins secured to said flange, and a flanged driving member having plurality of pins secured to said flange and extending longitudinally through said openings in said driven flange, of means connecting said pins on the driving and driven members, said connecting means being pivotally mounted on the driven flange pins and slidably mounted on the driving flange pins.

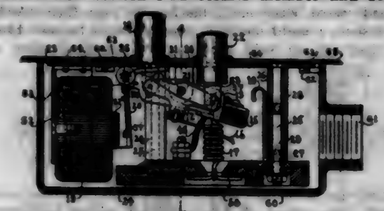
1,543,721. RADIANT HEATING UNIT. JOSEPH H. PROCTER, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed June 30, 1923. Serial No. 648,709. 5 Claims. (Cl. 219—34.)



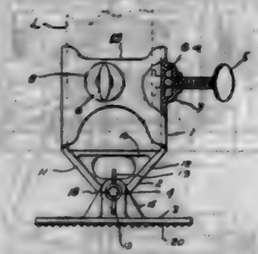
1. An electric air heater comprising an elongated skeleton frame of refractory electric-insulating material and a resistor embedded therein, the length of the resistor being greater than the length of the frame.

1,543,722. CIRCUIT CONTROLLER. FREDERICK L. RE QUA, Milwaukee, Wis., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 27, 1921. Serial No. 473,002. 6 Claims. (Cl. 200—5.)

1. In a motor controller, in combination, a plurality of stationary contacts, a plurality of pivoted contact members, one being adapted to co-operate with said stationary contacts to establish running connections and the other being adapted to make contact with said former member and to cooperate therewith to establish starting connections, electro-magnetic means for retaining said former contact member in closed position, a pair of push buttons arranged on opposite sides of the pivots of said contact members one being adapted when depressed to effect sequentially contact between said members and between said former member and stationary contacts and when released to permit separation of said members and means associated with the other of said push buttons for tripping said retaining means.

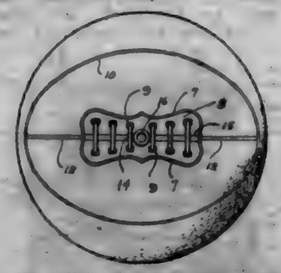


1,543,723. LADDER SHOE. CHARLES S. RIVERS, Cleveland, Ohio. Filed Sept. 2, 1924. Serial No. 735,291. 4 Claims. (Cl. 228—61.)



1. A ladder foot comprising in combination a substantially rectangular socket member, a plurality of clamping screws each provided with a swiveled clamping member, the axis of each being offset from the center of the socket, said screws projecting within the socket member from two directions, one set of screws being perpendicularly placed relative to the other set, and a wedge-shaped extension projecting from the lower end of the socket member capable of engaging the ground and of independently supporting the ladder and preventing slippage.

1,543,724. FOOTBALL. FRED THOMAS ROBERTS and WILLIAM E. ROBERTS, Yonkers, N. Y., assignors to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y., a Corporation of Delaware. Original application filed Apr. 16, 1923, Serial No. 632,227. Divided and this application filed Sept. 20, 1924. Serial No. 738,837. 9 Claims. (Cl. 273—65.)

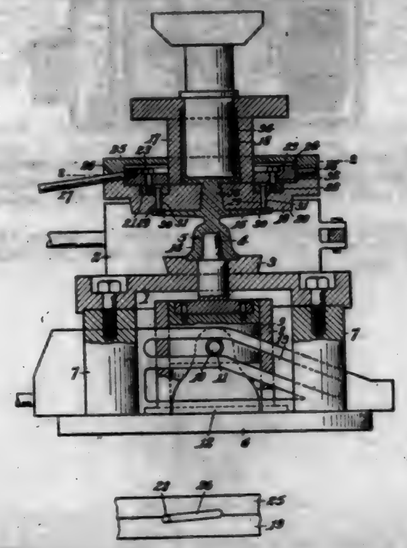


1. As a new article of manufacture, a one-piece rubber football having a surface imitative of leather.

1,543,725. GLASS-MOLDING APPARATUS. CALVIN B. ROE, Moundsville, W. Va., assignor to Fostoria Glass Company, Moundsville, W. Va., a Corporation of West Virginia. Continuation of application Serial No. 608,169, filed Dec. 21, 1922. This application filed Dec. 28, 1924. Serial No. 758,050. 7 Claims. (Cl. 49—72.)

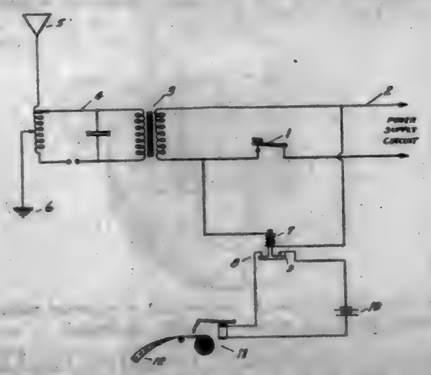
1. Glass molding mechanism comprising a sectional hinged mold, a base for said mold, a valve shiftable

through said base into and out of cooperative ware-forming relation to said mold, means for elevating and lowering said valve, said mold having its top face provided with a seat, a mold member complemental to said hinged mold disposed on said seat, a ring mounted upon and



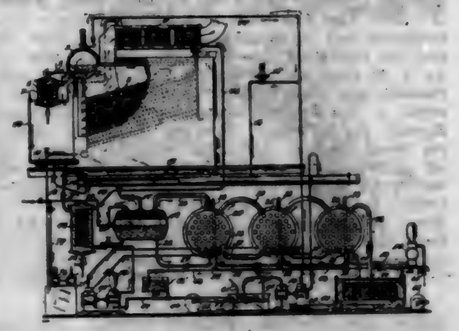
vertically movable with respect to said complemental mold member, said ring carrying a plurality of depending pins which are vertically movable through said member, means for elevating and lowering said ring to effect elevation and depression of said pins, and a receiver for molten glass surmounting the central portion of said complemental mold member.

1,543,726. RADIO TRANSMISSION RECORDING SYSTEM. KARL ROTTGARDT, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 26, 1921. Serial No. 495,603. 2 Claims. (Cl. 250—8.) (Granted under the provisions of the act of Mar. 3, 1921, 41 Stat. L., 1313.)



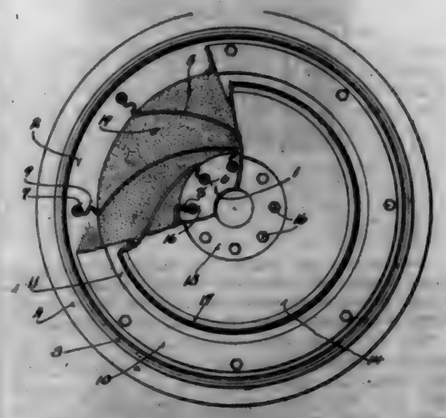
1. In combination with a radio transmitting system including a key, recording apparatus at the sending station for indicating the character of the transmitted signals comprising a Morse writer the operation of which is controlled by the operation of said key.

1,543,727. METHOD OF AND APPARATUS FOR LIMITING CONCENTRATION OF SALTS IN WATER IN BOILERS. FREDERICK SARGENT, Glencoe, Ill., and DAVID S. JACOBUS, Jersey City, N. J., assignors to The Babcock & Wilcox Company, Bayonne, N. J., a Corporation of New Jersey. Filed Sept. 28, 1918. Serial No. 256,140. 17 Claims. (Cl. 122—1.)



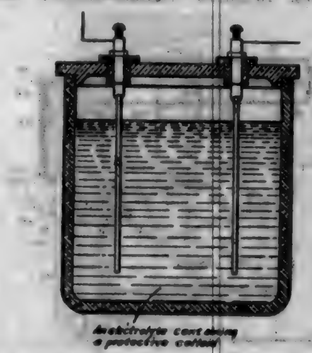
2. A boiler having a blow-off system, a closed receptacle to receive the blow-off water and to permit it to flash into steam therein, means to condense at least a part of such flashed steam to supply distilled make-up water, means to deliver such distilled make-up water to the boiler, a feed water heater through which the boiler feed water flows on its way to the boiler, and means to pass steam from said closed receptacle to the feed water heater to heat such feed water when the pressure in said closed receptacle exceeds a predetermined pressure.

1,543,728. RESILIENT WHEEL. JOHN H. SCHULS, Milwaukee, Wis. Filed Mar. 17, 1924. Serial No. 699,800. 4 Claims. (Cl. 152—51.)



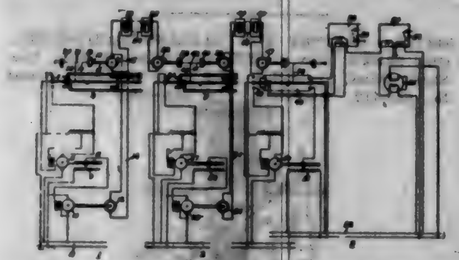
1. A resilient wheel for a vehicle comprising a felly and a hub, a plurality of bowed springs having their ends secured to said hub and said felly, a plurality of curved and tapered rubber blocks completely filling the space between successive springs and between said hub and said felly, a pair of annular members secured to said felly, and a pair of disks closing the space between said hub and felly and slidably related to said annular members.

1,543,729. ELECTROLYTIC CELL. JOSEPH SLEPIAN, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Dec. 22, 1919. Serial No. 346,649. 7 Claims. (Cl. 175—315.)



6. An electrolytic cell, such as a condenser, rectifier, lightning arrester and the like comprising electrodes, an electrolyte co-operating therewith to form a film thereon and a protective colloid in the electrolyte for stabilizing the film.

1,543,730. MEASURING SYSTEM. BENJAMIN H. SMITH, Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 8, 1919. Serial No. 281,529. 36 Claims. (Cl. 171—84.)
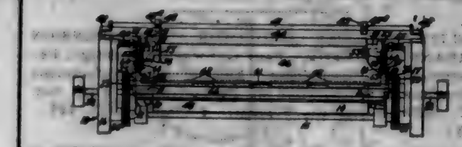


1. In a measuring system, the combination with a plurality of wattmeters, of means comprising alternating-current dynamos actuated at speeds proportional to the indications of the respective wattmeters, and means actuated in proportion to the speeds of the dynamos for controlling the wattmeters.

12. A controlling device for a Kelvin balance comprising a synchronous motor, permanent magnets actuated thereby, a disk armature actuated by the magnets and means for operatively connecting the armature to the balance.

33. A control device comprising a shaft, two disc armature members disposed thereon, frequency-responsive means associated with the respective disc members, means controlled by the frequency-responsive means for producing a rotating-magnetic-field effect on the disc members, and a balance device controlled by the shaft and operative to control one of the frequency-responsive means.

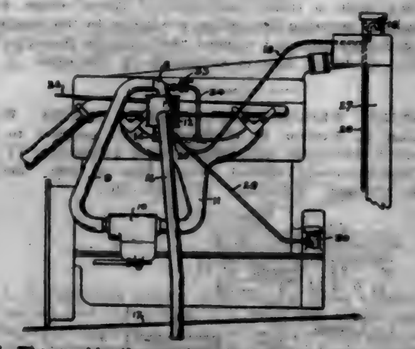
1,543,731. TYPEWRITING MACHINE. JAMES A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 3, 1922. Serial No. 558,139. 32 Claims. (Cl. 197—126.)

1. In a typewriting machine, the combination with a platen, of means for displacing said platen bodily to permit work-sheets and carbons thereon to be straightened beneath the same, said displacing means comprising a swing-frame and a collating table thereon and between which and the platen a record-sheet passes, a clamp mounted upon said swing frame to hold said



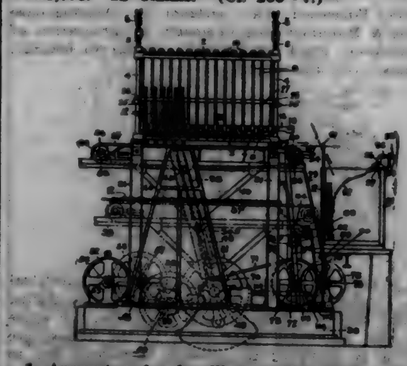
record-sheet against the back of the collating table, and controlling means for the clamp to render said clamp ineffective when the swing-frame is in normal position and effective when the swing-frame is displaced.

1,543,732. PREHEATING HUMIDIFIER. JOSEPH H. STALEY, Columbus, Ind. Filed Dec. 6, 1924. Serial No. 754,276. 8 Claims. (Cl. 123—25.)



1. The combination with a hydrocarbon motor having a crank-case, a radiator, an exhaust manifold, and a carburetor air-intake pipe, of an auxiliary mixing chamber through which all of the air passes that enters the carburetor, said mixing chamber discharging into said intake pipe, and said auxiliary mixing chamber having an intake passage to form a Venturi tube in conjunction with said mixing chamber; pipes discharging vapors into said intake passage conducted from said radiator and the crank-case of said motor; and means of heating said mixing chamber.

1,543,733. APPARATUS FOR HANDLING METAL SHEETS AFTER PICKLING. LAWRENCE C. STEELE, Pittsburgh, Pa. Filed Oct. 11, 1922. Serial No. 593,706. 12 Claims. (Cl. 266—7.)



1. Apparatus for handling pickled sheets comprising a pickling receptacle, means for supporting sheets in upright position in said receptacle, means for discharging

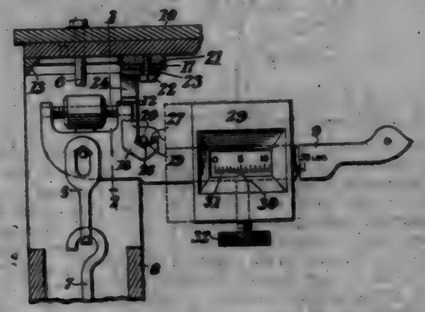
the sheets from said receptacle simultaneously in a vertical direction, and means for causing said sheets to assume oblique positions in overlapped relation to one another.

1,543,734. TROLLEY CONDUCTOR AND SUSPENSION MEANS THEREFOR. PAUL G. SWARD, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Oct. 27, 1923. Serial No. 671,201. 4 Claims. (Cl. 191—33.)



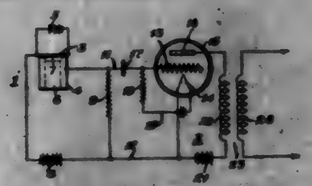
1. In a catenary system for electric railways, a supporting cable, a trolley conductor of ribbon shape, and means for securing the trolley conductor to the supporting cable comprising a member that extends through the trolley conductor and is supported by the cable.

1,543,735. WEIGHBEAM-SUPPORTING MEANS. WILLIAM H. TAYLOR, St. Johnsbury, Vt., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt., a Corporation of Vermont. Filed June 9, 1924. Serial No. 718,699. 6 Claims. (Cl. 265—49.)



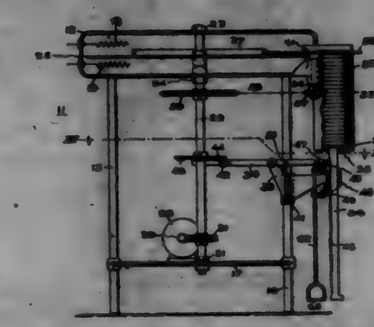
1. A rigid weigh-beam hanger of inverted U-form having its depending limbs formed with lateral extensions and bearings adjustably mounted therein.

1,543,736. METHOD OF AND MEANS FOR TRANSLATING PRESSURE VARIATIONS. PHILLIPS THOMAS, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Nov. 14, 1922. Serial No. 600,821. 2 Claims. (Cl. 179—121.)



1. In a device for translating sound into electrical changes, a cathode, an anode and means for producing a potential difference between said electrodes, the space between said electrodes being open to the atmosphere whereby it is subjected to pressure variations due to sound, and said potential difference being at all times too small to produce substantial ionization of the atmosphere in said space.

1,543,737. AUTOMATIC ELECTRIC TOASTER. FRANK THORNTON, Jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company, a Corporation of Pennsylvania. Filed Mar. 13, 1924. Serial No. 698,876. 16 Claims. (Cl. 219—19.)



10. In an electric toaster, in combination, a casing, a substantially horizontal annular table rotating within said casing, a plurality of heating elements located respectively above and below said table, means for pushing slices of bread onto said table at one point relatively to said casing, said pushing means being effective to remove toasted slices of bread from said table after less than one revolution thereon, said pushing means being actuated by, and in direct accordance with the speed of said rotating table.

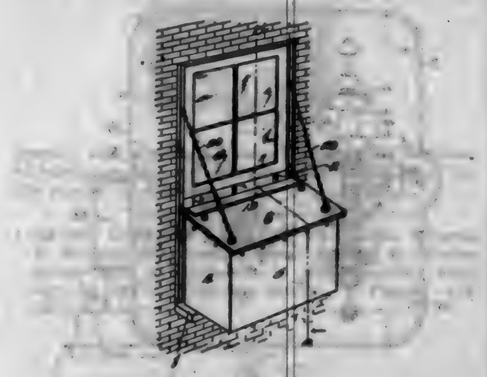
1,543,738. CABINET FOR TALKING-MACHINE-RECORD DISKS. ROY CORNISH UNDERWOOD, Sydney, New South Wales, Australia. Filed June 28, 1923. Serial No. 648,412. 2 Claims. (Cl. 211—16.)



1. A cabinet for receiving talking machine record disks including a plurality of partitions forming disk receiving compartments, an inclined bottom for said compartments, a pivot arranged in front of said compartments, a plurality of stop bars mounted on said pivot and each individual to one of said compartments, each bar being weighted at its forward end which projects outwardly beyond said partitions and which is capable of being grasped to actuate the bar, and the inner end of said bar normally projecting into its compartment in an upwardly inclined position and capable of engaging a disk to retain the same wholly within its compartment, and a spring pressed bar supported upon the bottom of the cabinet and engageable with said stop bars to exert a constant upward pressure upon the inner ends thereof.

1,543,739. WINDOW COOLER. WALTER R. VOWELS, St. Louis, Mo. Filed Sept. 26, 1923. Serial No. 664,870. 4 Claims. (Cl. 20—1.11.)

1. In a cooler structure, in combination with a sliding window sash, a window cooler box having a slotted passage in the roof thereof, a screen closure for the box vertically movable through said passage and projections extending forwardly from the lower edge of the screen closure and means extending from the lower



rail of the sliding window sash adapted for engagement with said projections for raising the closure simultaneously with the raising of the window sash.

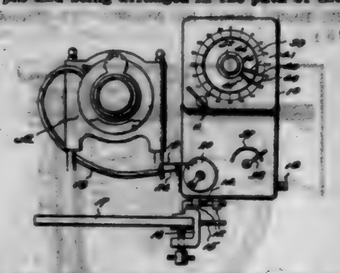
1,543,740. CENTRIFUGAL BLOWER. ADOLPH WAHLE, Davenport, Iowa. Filed May 11, 1923. Serial No. 638,220. 8 Claims. (Cl. 230—11.)



1. In a blower the combination with a casing having an axial inlet and a peripheral outlet, of a rotor within the casing and coaxial with the inlet opening, said rotor having blades extending from adjacent the axis radially outwardly, the outer side edges of the blades being disposed opposite the circumferential edge of the inlet and in a plane parallel with the plane of the inlet and spaced inwardly a distance substantially as great as half the width of the blades.

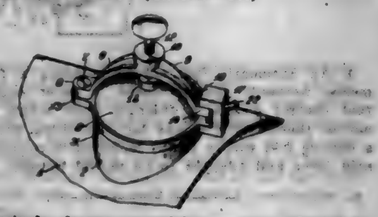
1,543,741. CAMERA. KLAUS ANDERSON, Savannah, Ga. Filed Feb. 17, 1922. Serial No. 619,698. 3 Claims. (Cl. 161—28.)

1. A camera attachment comprising a casing, a graduated dial on the casing, a shutter operating mechanism arranged within the casing, a shaft included in the shutter operating mechanism, an operative connection between the shaft and shutter, means for normally holding said shutter operating mechanism inoperative, said means including a spring pressed horizontally disposed lever, a pin projecting centrally from the lever, a timing mechanism arranged within the casing, pointers each having beveled ends and including arms movable about the dial by the timing mechanism, a beveled end formed on the pin and being arranged in the path of the beveled



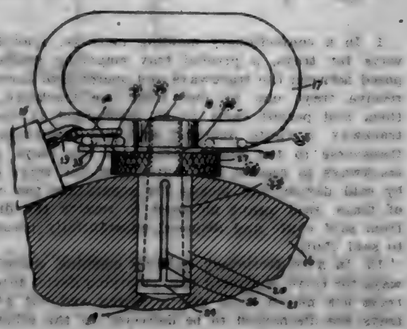
ends of the pointers to be engaged thereby to actuate said lever and release the shutter mechanism at and for predetermined intervals.

1,543,742. CLOSURE FOR RECEPTACLES. SAMUEL BARITSKY, Chicago, Ill. Filed June 25, 1924. Serial No. 722,227. 4 Claims. (Cl. 220—57.)



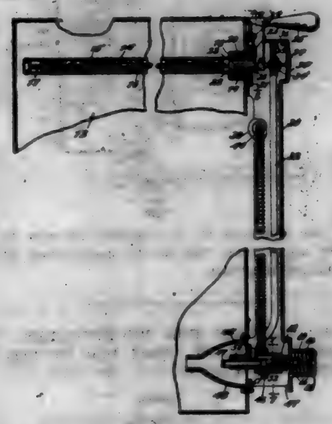
1. A receptacle closure comprising a cover adapted to be seated over the opening of a receptacle, the receptacle being provided with a flange seated in said opening and having a counter bore, the flange being also provided with two diametrically opposite extensions, a holding device pivotally secured to one of said extensions and adjustably supporting said cover, and means interposed between said cover and said holding device for forcing said cover into the counter bore and for forcing the holding device into locking engagement with the second extension.

1,543,743. LOCK AND HANDLE FOR BOWLING BALLS OR THE LIKE. CHESTER A. BALLARD, Terre Haute, Ind. Filed Feb. 21, 1925. Serial No. 10,939. 3 Claims. (Cl. 273—64.)



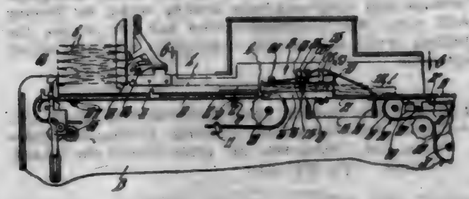
1. The combination with a support, a bowling ball, a bracket secured to the support, a combination anchor and handle detachably associated with the ball for securing the handle to the ball, said handle being supportable by said bracket, and means for simultaneously locking the handle to the ball and to the bracket.

1,543,744. THERMOSTATIC REGULATOR FOR OVENS. HUBERT A. BARSCHOW, Laporte, Ind., assignor to Rudolph Hoffman, Cleveland, Ohio. Filed Aug. 22, 1922. Serial No. 583,662. 17 Claims. (Cl. 236—15.)



1. An automatic fuel cutoff including a fuel control means normally spring closed, a lever engaging said fuel control means, a fulcrum upon which said lever moves, thermostatic means for controlling the lever, and a flexible fuel supply means mounted in conjunction with said lever and adapted to be moved thereby.

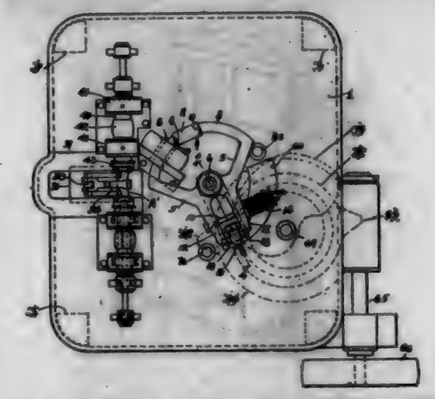
1,543,745. MACHINE FOR AUTOMATICALLY MOLDING CONFECTIONS. ALONZO LINTON BAUSMAN, Springfield, Mass., assignor to National Equipment Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 27, 1922. Serial No. 597,389. 17 Claims. (Cl. 107—3.)



1. In a confectionery molding machine, spaced trackways for trays, a pivoted tray emptying device interposed between the trackways and operable to successively receive trays one by one from one trackway, empty them and permit them to be discharged to the other trackway, a chute disposed with its longitudinal axis transverse to the line of travel of the trays on said trackways to receive the contents of the trays emptied by said device, and means for separating the contents of trays, said means mounted to receive the discharge from said chute and disposed substantially transversely to said chute.

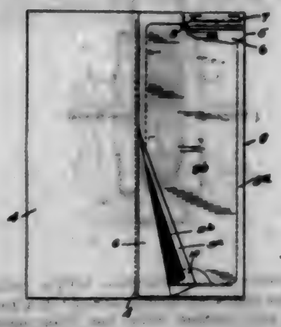
18. In a confectionery molding machine, spaced trackways for trays, a pivoted tray emptying device into which trays are moved from one trackway and out of which trays are discharged to be delivered to the other trackway, the last named trackway being spaced from said device leaving a gap, slidable members movable in the plane of the second named trackway, operating means for said members to project them across the gap and hold them there while a tray is being discharged from said device and subsequently to draw the tray across the gap into the second named trackway.

1,543,746. MACHINE FOR MAKING HANDLE GRIPS. GEORGE W. BENTON, Conneaut, Ohio. Filed Oct. 17, 1923. Serial No. 669,055. 18 Claims. (Cl. 144—152.)



1. In mechanism of the character described, the combination of an internal rotary cutter; and an oscillatory blank holder, including relatively movable grip arms adapted to be pressed against the ends of the blank, whereby the latter may be moved in an arcuate path through said cutter.

1,543,747. FOOTPRINTING OR IMPRESSION DEVICE. VICTOR A. BERY, Minneapolis, Minn. Filed June 30, 1923. Serial No. 648,718. 3 Claims. (Cl. 282—1.)

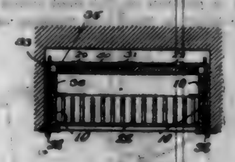


1. A device for obtaining an impression of a foot comprising a comparatively thin pad of sheets having graduated tables printed thereon and a top leaf formed as an open frame having a transfer sheet mounted thereon, said leaf also comprising a heel locating member whereby the foot can be placed upon said top leaf and pressed against the same to form an impression on the top sheet of said pad.

1,543,748. HEATER. GEORGE G. BROWN, Huntington, W. Va. Filed July 18, 1923. Serial No. 651,341. 7 Claims. (Cl. 126—120.)

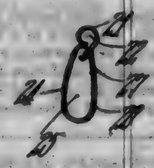
1. A heater of the character described comprising a support, including brackets, a fire box engaged by said brackets and mounted on the support, said fire box including opposed side walls and a back wall embodying oppositely inclined superimposed sections, means for holding and adjusting the sections, the bottom edge of the lower section being rounded to accommodate itself

to said brackets, the upper edge of said section being recessed, and the lower edge of the upper section being formed with a rounded surface and fitted in said recess,



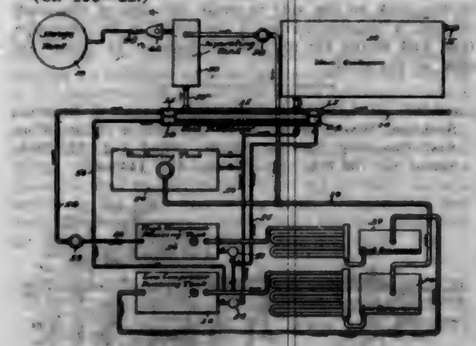
whereby said sections may be adjusted with a minimum of friction to vary the degree of inclination thereof for the purpose specified.

1,543,749. CASE FOR KEYS AND THE LIKE. WARNER R. BUXTON, Longmeadow, Mass., assignor to Buxton, Incorporated, a Corporation of Massachusetts. Filed Apr. 25, 1922. Serial No. 556,371. 6 Claims. (Cl. 150—40.)



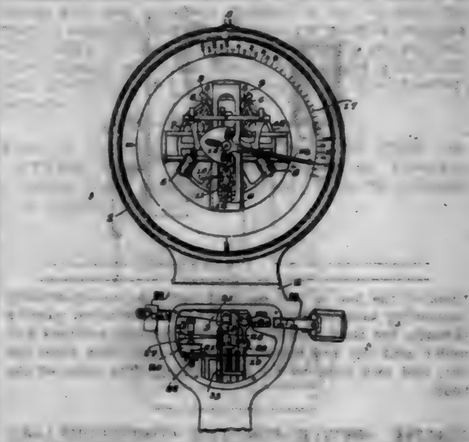
1. In a key case, of the type wherein the key retaining members are pivotally supported from the case for swinging movement into and out of the latter along arc-like paths of fixed radius, means provided on the case affording a pivotal support, and key retaining members pivotally mounted on the latter, each of said members having a key retaining loop and also having an open eye to be hooked over said support and means affording a spring closure for said eye to retain the member on said support and partition said eye from said loop.

1,543,750. METHOD OF BLENDING LIGHT HYDROCARBONS. HENRY COONEY, Sugar Grove, Ohio. Filed Jan. 16, 1920. Serial No. 351,827. 1 Claim. (Cl. 196—12.)



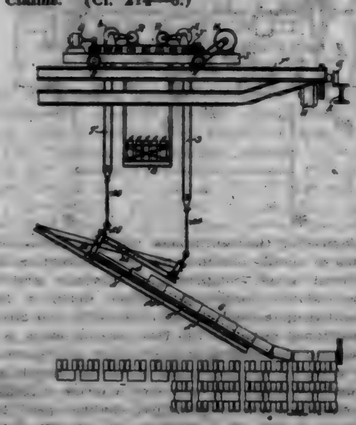
A process of obtaining blended gasoline which comprises compressing natural gas having a gasoline content, first to a low stage of compression, cooling the same sufficiently to produce a low compression condensate, further compressing the remaining gases and vapors to a substantially higher stage of compression, cooling the gases and vapors sufficiently to liquefy a second condensate passing at least a portion of such second condensate and the final gases after substantially lowering their pressure, in heat-conducting relation with a mixture comprising straight run gasoline and at least a portion of said first condensate and withdrawing any residual vapors from said the last mentioned operation into the gas-compression system.

1,543,751. ELECTRIC-CHECK-PRINTING SCALE. SAMUEL G. CRANE, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Nov. 21, 1919. Serial No. 339,688. 23 Claims. (Cl. 265—9.)



1. In a device for recording weights, in combination, weighing mechanism, printing mechanism, an electric circuit, means to open said circuit actuated upon vibratory movement of said weighing mechanism, said means acting to close said circuit upon cessation of such vibratory movement, means controlled by said circuit for operating said printing mechanism, and means for holding said circuit open when said weighing mechanism is at zero position.

1,543,752. APPARATUS FOR TRANSPORTING AND SETTING BRICK AND THE LIKE. WILLIAM WALLACE DICKINSON, Jr., Little Rock, Ark., assignor to The American Equipment Company, Chicago, Ill., a Corporation of Ohio. Filed Mar. 27, 1918. Serial No. 225,077. 11 Claims. (Cl. 214—6.)

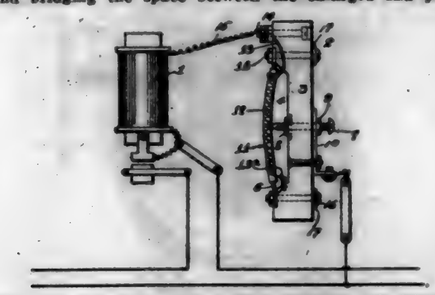


1. A pallet for transporting and setting uniform rectangular blocks comprising a rigid rectangular platform having spaced grooves upon its upper surface adapted for the reception of said blocks in longitudinally abutting relation.

1,543,753. THERMOSTAT SIGN FLASHER. CHARLES G. DOMINIC, Springfield, Mo., assignor of one-fifth to Washington J. Gear, Springfield, Mo. Filed Aug. 11, 1923. Serial No. 656,926. 2 Claims. (Cl. 200—122.)

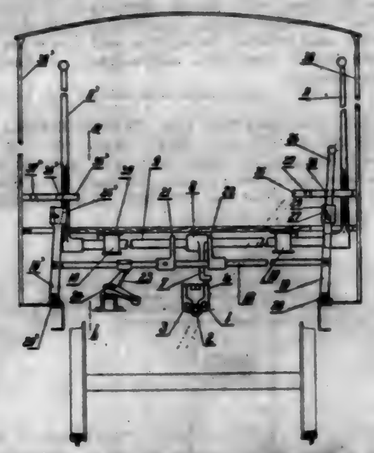
1. In a device of the class described, the combination of an elongated body provided with enlarged end por-

tions having their outer faces provided with recesses leading from their inner ends and providing seats terminating in abutment shoulders, a bar having its ends resting upon said seats and fitting against said shoulders and bridging the space between the enlarged end por-



tions of the bar, a bolt on said body, means electrically connecting said bar and bolt, an adjustable screw passing through the body between the enlarged end portions and under said bar and movable towards and away from the bar, and lock nuts on the screw at opposite sides of the body.

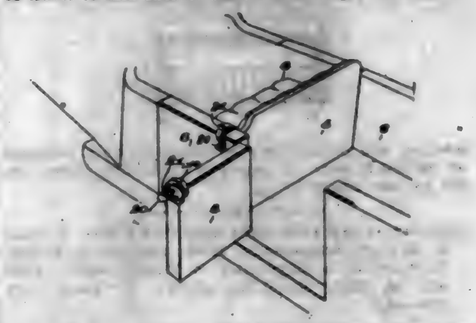
1,543,754. DEVICE FOR THE CONTINUOUS AND PROGRESSIVE CONTROL OF A SERIES OF SPEEDS. — PIERRE EUGÈNE MARIE DONON, Paris, France. Filed Feb. 13, 1924. Serial No. 692,502. 4 Claims. (Cl. 74—89.)



1. A device for the continuous and progressive control of a series of speeds obtained by the combination of two change speed boxes, comprising a rotatable and longitudinally slidable horizontal control shaft, a control lever mounted upon each end of said shaft, two auxiliary levers positioned adjacent the two control levers, a horizontal rod interconnecting said auxiliary levers and horizontally movable by the same, a sleeve keyed to the control shaft, a projection on sleeve, a series of forks controlling sliding gears of principal change speed box, a double head at end of each fork, two notches in each head adapted to cooperate with projection on sleeve, two forked members keyed to the rod and slidably mounted on the shaft on either side of the sleeve, and means operably connecting the rod to the second change speed box.

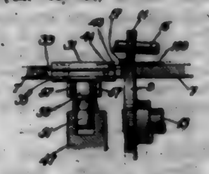
1,543,755. LOCK. PETER ESSMANN, Hollywood, Calif. Filed Jan. 5, 1924. Serial No. 684,617. 3 Claims. (Cl. 292—190.)

1. The combination with a door having a recessed portion, of a rotatable locking disk partly received in said recessed portion and having a locking slot extending out through the periphery thereof, a locking bolt adapted to be received in said slot, and a knob carried by the periphery of said disk, a portion of the door being in the path of travel of said knob to limit the turning of the disk.



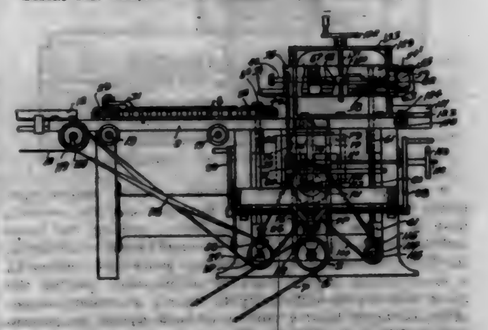
3. A lock comprising a disk having means whereby the same may be rotatably connected to a door and being provided with an eccentric slot opening out through the periphery thereof, the side of said disk with the slot being weighted, knobs carried by opposite sides of said disk, and a fixed bracket arranged between said knobs.

1,543,756. EDGE-FINISHING MACHINE. HERBERT E. ENSLIN, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 27, 1922. Serial No. 539,481. 19 Claims. (Cl. 69—1.)



1. A machine for finishing the edge of a piece of stock, having in combination, means for shrinking the margin of the stock on one side to cause the edge of the stock to curl, a hammer having a concavity in its operative face, and means for causing the hammer to pound the edge of the stock.

1,543,757. RELISHING MACHINE. OSCAR G. EDMOND, Spokane, Wash., assignor of one-half to White Pine Sash Company, Spokane, Wash. Filed Aug. 23, 1924. Serial No. 733,712. 18 Claims. (Cl. 144—6.)



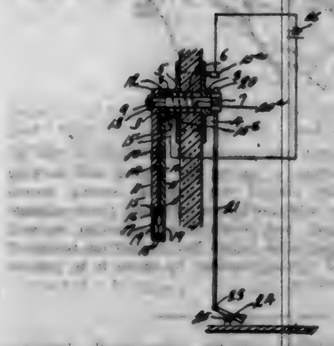
1. In a relishing machine the combination with a continuous feed mechanism adapted to move a line of rails, of means for detaining a pair of rails, means for separating said rails, a relishing tool adapted to operate on the separated detained rails, and means for releasing the pair of detained rails.

1,543,758. SANITARY COUPLING DEVICE FOR PUMPS. JOHN S. ELOWSON, Hazty, Minn. Filed Mar. 6, 1924. Serial No. 697,269. 6 Claims. (Cl. 287—58.)



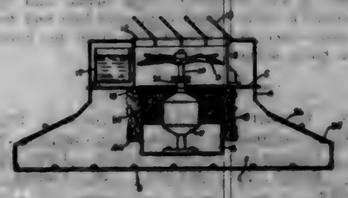
1. A device for connecting a pump plunger to an operating means comprising a U-shaped member having an elongated leg constituting a connecting pin for said plunger and means, the end of the other leg of said member being bent downwardly substantially at right angles to said first mentioned leg and adapted to be disposed at one side of said plunger with the bight portion of said U-shaped member at the other side of said plunger, and weighted means extending upward from the last mentioned side of said U-shaped member.

1,543,759. VEHICLE DIRECTION SIGNAL. GEORGE O. FALES, Omaha, Nebr. Filed Feb. 20, 1923. Serial No. 620,128. 2 Claims. (Cl. 116—62.)



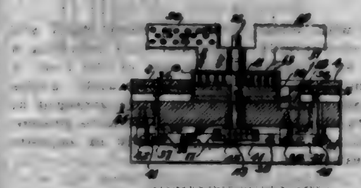
1. The combination with the cowl of an automobile, of a signalling device carried thereby, said signalling device comprising a horizontally disposed shaft extending through an enlarged aperture in the cowl, plates secured to the opposite sides of the cowl, and in bearings of which the shaft is rotatably mounted, a coiled spring surrounding the shaft and having one of its ends anchored to the shaft and its other end to one of the plates, said coiled spring extending through the aperture in the cowl, a signalling arm carried by the outer end of shaft, an arm carried by the inner end of the shaft, a depressible foot lever, and cable connections between the foot lever and the arm carried by the inner end of the shaft.

1,543,760. AIR PURIFIER AND MOISTENER. ALBERT J. FANDREY, Indianapolis, Ind. Filed June 14, 1918. Serial No. 239,917. 2 Claims. (Cl. 261—80.)



1. An air purifier and moistening device comprising a housing, a horizontal partition for said housing and provided with an opening, an air conducting tubular casing positioned in said opening, the lower end of said tubular casing being closed and the upper portion of said casing being perforated for the passage of air therethrough, a tubular air conducting member extending upwardly from said partition and surrounding the upper end of the casing and said partition opening, a fan in said upwardly extending tubular member, a filtering medium surrounding the tubular casing and covering the perforations through which the air must pass, and a tank on said partition for supplying liquid to the filtering medium.

1,543,761. DEVICE FOR KILLING RATS, MICE, OR OTHER RODENTS. BERNHARD ERNST FISCHER, Omaha, Nebr. Filed July 14, 1924. Serial No. 725,989. 10 Claims. (Cl. 43—75.)



1. A rat killing device comprising a base frame, a series of depressible sections hinged at their outer ends and constituting a flexible platform covering the entire frame and depressible at the central portion thereof, a revoluble turret mounted on the base, wings mounted on the turret and extending radially over the platform, and means connected to the turret for revolving the same.

1,543,762. HORSESHOE. HENRY F. FRALICK, Grand Rapids, Mich. Filed Sept. 15, 1924. Serial No. 737,687. 3 Claims. (Cl. 168—11.)



1. In a horseshoe, a part shaped to fit a hoof and be permanently attached therete and formed between its ends with a downwardly projecting boss interiorly bored and threaded, a second part adapted to lie against the first part having a portion at one end with an opening therethrough for the passage of said boss and formed with a downwardly projecting calk having a shoulder adjacent said opening on the inner side of the calk, said second part of the shoe having outwardly diverging arms extending from said end portion which terminate in downwardly turned calks, each of the said arms near its end having a slot therein and the first mentioned part having two interiorly threaded openings over which the said slots are adapted to come, and set-screws passing through the slots into said openings and into the boss, the head of the screw passing into the boss bearing against the shoulder on the first mentioned calk to hold the screw against loosening, substantially as described.

1,543,763. DECOLORIZING CARBON AND PROCESS OF PRODUCING THE SAME. CHRISTIAN J. GAMBEL, New Orleans, La. Filed June 2, 1923. Serial No. 643,079. 8 Claims. (Cl. 252—3.)

1. The process of making a decolorizing carbon which consists in charring fibrous rice material containing silica; treating the charred material with an alkali to remove the resins present and a substantial proportion of said silica; removing substantially all the alkali from

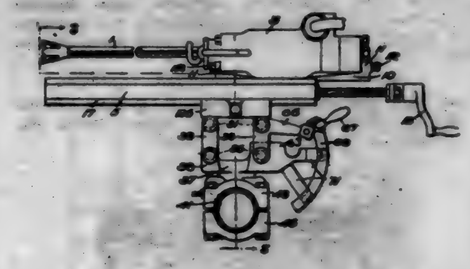
said charred material; treating the alkali left in the carbon thus had with an acid anhydride whose boiling point is below 212° F. to neutralize said alkali; and removing said acid anhydride from the carbon thus produced.

1,543,764. FENCE-WIRE STAPLE. FRANCIS SYDNEY GARFORD, Lougheed, Canada. Filed June 14, 1923. Serial No. 645,391. 3 Claims. (Cl. 256—53.)



1. A fence wire staple formed of sheet metal and comprising a substantially rectangular body providing a driving head, an extension at one end of the body, a spur projecting from said extension at right angles thereto, said spur comprising a flat plate arranged at right angles to the body and having teeth to prevent its extraction, and hooks upon the body at opposite sides of said extension.

1,543,765. DRILLING MACHINE. GEORGE H. GILMAN, Belmont, Mass. Filed July 30, 1921. Serial No. 488,596. 8 Claims. (Cl. 255—51.)

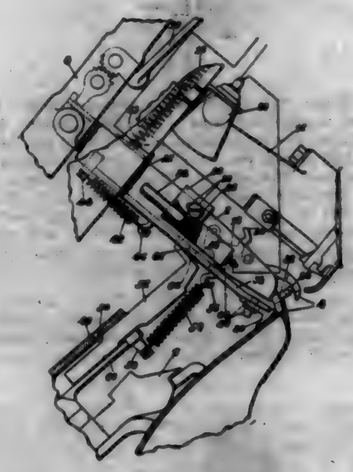


1. The combination with a drill steel actuator of a support therefor comprising a base and a pair of links, means providing a pivotal connection between each link and said actuator and base, the four pivots thus formed being arranged to lie at the corners of a parallelogram, and to swing in a plane parallel to the axis of the drill steel so as to raise and lower the actuator and move it toward and away from the work, a lever for operating said links to cause them to swing for moving said actuator, and releasable locking means for preventing movement of said actuator.

1,543,766. PULLING-OVER MACHINE. JOSEPH GOULDBOURN and WILFRID THOMAS MINETT, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Mar. 13, 1922. Serial No. 543,369. 26 Claims. (Cl. 12—9.)

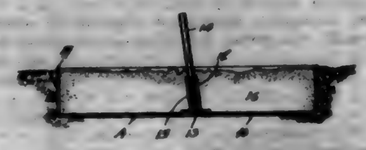
14. In a machine of the class described, the combination with a gripper movable to pull an upper over a last in the direction of the height of the last and thereafter to draw the margin of the upper inwardly over a sole on the bottom of the last, of holddown means automatically operative to position the margin of the sole close to the bottom face of the last prior to the overdrawing operation, and means for indicating to the operator at the end of the movement of the gripper heightwise of the last whether the gripper is in position to clear the margin of the sole in the overdrawing operation.

25. In a machine of the class described, the combination with a toe gripper for pulling an upper over a last, and overlaying and fastening means for the upper, of a holddown member movably mounted on said gripper, a locking member mounted independently of said toe gripper for movement lengthwise of the last and arranged to maintain said holddown member in position



for engagement with the margin of the sole in the upper pulling operation, a spring for urging said locking member forwardly toward the gripper, spring means for withdrawing said holddown member from engagement with the sole, and mechanism controlled by said overlaying and fastening means for imparting rearward movement to said locking member to cause it to release the holddown member.

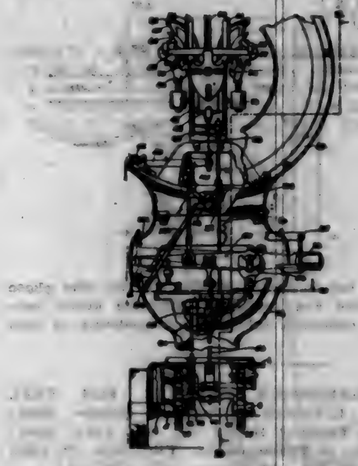
1,543,767. PITCHING COURT. OSCAR E. HEGGEN, Des Moines, Iowa. Filed Aug. 23, 1923. Serial No. 658,915. 1 Claim. (Cl. 273—100.)



A pitching court comprising a drum, adapted to be embedded in the ground so that its upper edge is substantially flush with the ground level, a receiving hub on the center of the bottom of said drum, and inclined from vertical a stake mounted in said hub and fire clay around said stake and within the drum for forming a court for horse shoes to be pitched on.

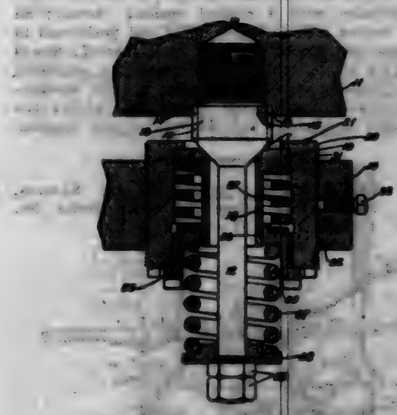
1,543,768. WEIGHING SCALE. HALVOR O. HEM, Toledo, Ohio, assignor to Toledo Scale Company, Toledo, Ohio, a Corporation of New Jersey. Filed Dec. 29, 1920. Serial No. 433,919. 20 Claims. (Cl. 265—62.)

1. In a weighing scale, in combination, a frame, supporting wheels therefor, weighing mechanism supported by said frame, said weighing mechanism including pendulum load counterbalancing means and means for alternatively locking said pendulum load counterbalancing



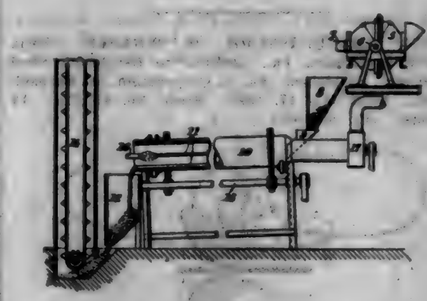
means and releasing said wheels or locking said wheels and allowing said pendulum load counterbalancing means to be released.

1,543,769. RESILIENT SUPPORT. EDWARD M. HEWLETT and WALDO W. WILLARD, Schenectady, N. Y., assignors to General Electric Company, a Corporation of New York. Filed May 21, 1924. Serial No. 714,944. 8 Claims. (Cl. 267—1.)



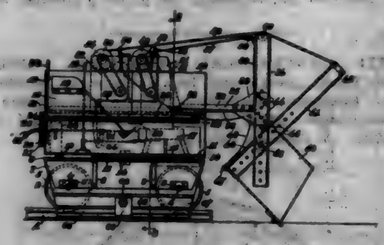
1. A resilient support comprising two members carried by the supported and supporting bodies respectively, and resilient means for holding said members in engagement, the cooperating bearing surfaces of said members being inclined with respect to the direction of the force applied by said resilient means, whereby lateral shocks are applied to said resilient means.

1,543,770. GLASS BATCH. OTTO W. HILBERT, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Jan. 15, 1921. Serial No. 437,451. 10 Claims. (Cl. 49—77.)



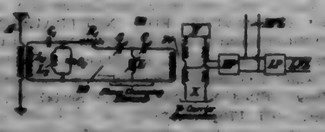
5. The method of preparing a glass batch from raw materials that are in the form of a fine powder, which consists in thoroughly mixing the materials, and then subjecting the mixture to heat of sufficient intensity to form the materials into small granules, each of which is composed of the desired proportions of raw materials.

1,543,771. POWER SHOVEL. SAMUEL TRUAN HOAR, Meaderville, Mont., assignor of one-half to James Doner, Butte, Mont. Filed Feb. 17, 1923. Serial No. 619,613. 6 Claims. (Cl. 214—132.)



1. In a device of the class described a truck mounted upon wheels, a body rotatably mounted thereon, a crosshead slidably mounted on said body, an arm hingedly connected at one end to said cross-head and having a pair of parallel angularly disposed extensions, a scoop lever pivotally mounted between said extensions a scoop on said lever, a pair of drums on said cross-head connected to said arm and said lever respectively, and means for operating said drums independently.

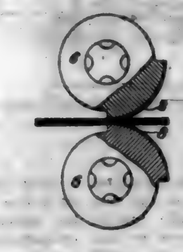
1,543,772. APPARATUS FOR NEUTRALIZING RADIO-INTERFERENCE ON WIRE LINES. RUSSELL N. HUNTER, Brooklyn, N. Y., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,145. 9 Claims. (Cl. 179—78.)



4. The method of changing the phase shift of a filter section having series and shunt impedance elements, which consists in so varying the absolute values of said

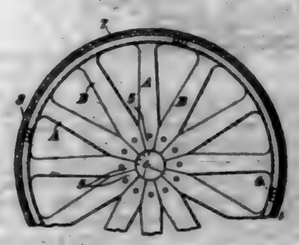
elements as to produce a desired phase shift at a given frequency and so varying the relative values of the series and shunt elements as to produce substantially no change in impedance at the given frequency.

1,543,773. MANUFACTURE OF WHEELS. EMIL IRACH, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa. a Corporation of Pennsylvania. Filed Jan. 17, 1921. Serial No. 437,724. 12 Claims. (Cl. 80—16.)



12. The method of making a tapered circular plate comprising taking a rectangular blank tapered to a degree equal to the taper of the final product, passing the blank between rolls in a direction transverse to the direction of the grade on said blank and causing the surplus metal to flow from the center and flare the said blank into approximately semi-circular form, reversing the plate and repeating the operation in the opposite direction and trimming the plate to circular form.

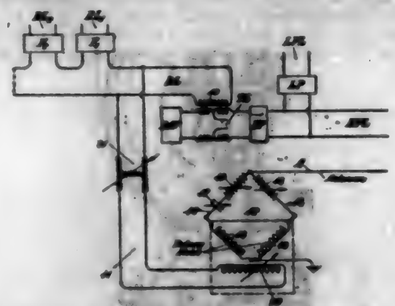
1,543,774. MANUFACTURE OF METAL WHEELS. EMIL IRACH, Bethlehem, Pa., assignor to Bethlehem Steel Company, Bethlehem, Pa., a Corporation of Pennsylvania. Filed Jan. 17, 1921. Serial No. 437,725. 5 Claims. (Cl. 29—159.)



1. The method of making a metal wheel which comprises taking a round metal plate, flanging it to form a rim seat, cutting the body of the plate to form metal spokes, substantially equal in length and separated at their hub ends, bending the spokes alternately to form two sets of spokes and securing the severed ends of each set of spokes against opposite sides of a spacer.

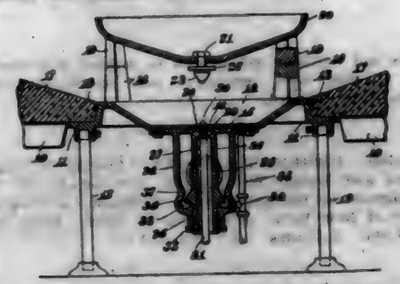
1,543,775. APPARATUS FOR NEUTRALIZING RADIOINTERFERENCE ON WIRE LINES. LESTER M. ILGENFRITZ, Orange, N. J., assignor to American Telephone and Telegraph Company, a Corporation of New York. Filed Nov. 20, 1922. Serial No. 602,198. 7 Claims. (Cl. 179—78.)

1. In a wire signaling system subject to interference due to radio signaling, an auxiliary circuit upon which a similar disturbance electromotive force may be impressed for balancing purposes, a device associated with said auxiliary circuit for adjusting the phase of the current resulting from said balancing electromotive force and a device associated with said auxiliary circuit



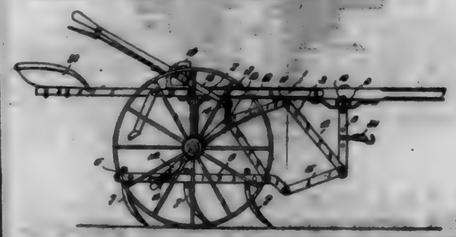
for adjusting the amplitude of said current, said phase adjusting device and amplitude adjusting device controlling their respective functions independently of each other.

1,543,776. COMBUSTION CHAMBER FOR FUEL BURNERS. LAWRENCE B. JOHNSON, Melrose, Mass., assignor to Economy Heater Co., Inc., Lynn, Mass., a Corporation of Massachusetts. Filed Sept. 19, 1923. Serial No. 663,563. 11 Claims. (Cl. 158—28.)



1. In a device of the class described, a bed plate having a depression with a central opening therein; an oil nozzle having a cone-shaped upper end positioned in said opening and spaced from the wall thereof; means for supplying oil to said nozzle; means for supplying air to said opening round said nozzle; a basin superimposed above said nozzle; and means for varying the space between said nozzle and the wall of said opening.

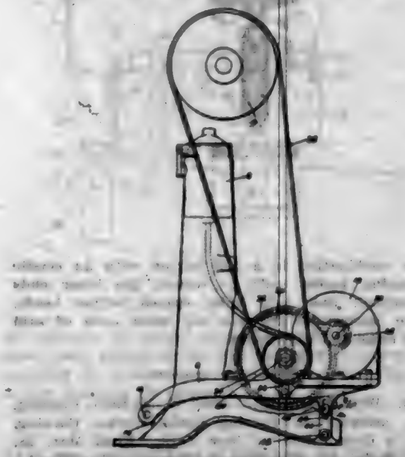
1,543,777. CULTIVATOR. EDWARD H. M. KLUKAS, Balaton, Minn. Filed June 5, 1923. Serial No. 643,578. 1 Claim. (Cl. 97—158.)



A cultivator comprising a wheel mounted frame, links pivotally connected with the forward portion of the frame, beams pivotally connected with the links for vertical swinging movement, an L-shaped support pivotally connected at its forward end with the beam and having pin and slot connection at its rear end with the

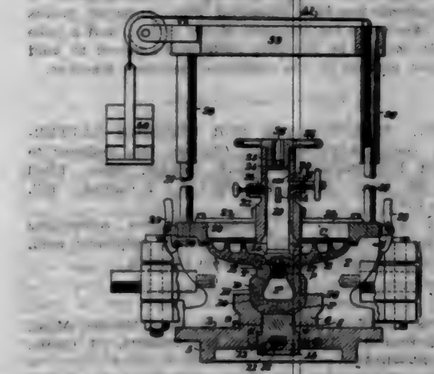
beam, the apex of the support being vertically disposed above the beam, a link connecting the support at the apex thereof with the frame, a lever fulcrumed upon the frame, and resilient means connecting the working end of the lever with the support at the apex thereof.

1,543,778. POWER-APPLYING MECHANISM. NORWOOD H. KNOWLTON, Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Aug. 16, 1920. Serial No. 403,694. 4 Claims. (Cl. 64—52.)



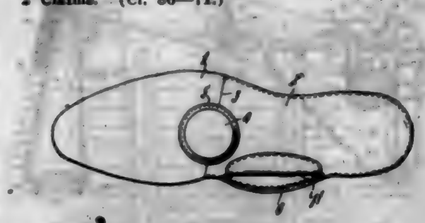
2. Mechanism for transmitting power from a motor to an individual machine, comprising a support pivoted to the base of the machine, a motor carried by the support, a counter-shaft mounted on the support, reducing gearing between the motor and the counter-shaft, a belt pulley on the counter-shaft, a belt connecting said pulley to the machine, and an adjustable link connecting the support to the machine base to secure a rigid connection between the support and base and prevent undue vibration of the support when the motor is running.

1,543,779. MANUFACTURE OF INSULATORS. JESSE T. LITTLETON, Jr., and GORDON S. FULCHER, Corning, N. Y., assignors to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed June 29, 1922. Serial No. 571,676. 5 Claims. (Cl. 49—81.)



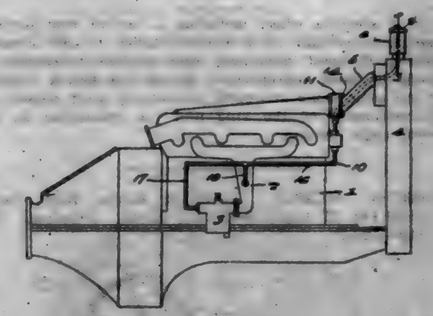
1. The process of manufacturing insulators having a suspension pin moulded therein, which comprises the steps of pressing a pin into the insulating material to embed it therein, and thereafter moving the pin with reference to the insulating material to space it therefrom without removing it from the insulating material.

1,543,780. ARCH APPLIANCE. LEO LUCKEN, Cincinnati, Ohio. Filed Oct. 11, 1924. Serial No. 743,077. 2 Claims. (Cl. 36—71.)



1. A foot correcting form comprising a body, a base secured to the outer edges thereof and terminating in a free end at the longitudinally central portion thereof, a pad secured to the base and body respectively and bridging the free end of the base, and an arch supporting means associated with the body and base.

1,543,781. HUMIDIFIER FOR INTERNAL-COMBUSTION ENGINES. FRED L. MCNEILL, Annawan, Ill. Filed May 20, 1924. Serial No. 714,628. 1 Claim. (Cl. 123—25.)

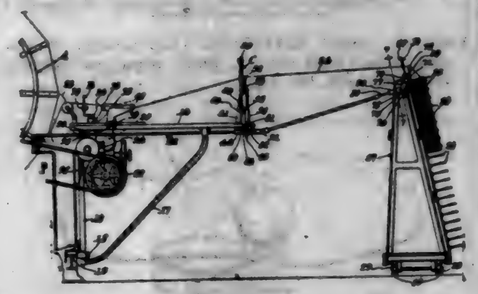


In combination with an internal-combustion engine and a radiator associated therewith, a conduit extending from the radiator, a fitting between said conduit and said engine forming a connection between the engine and the radiator, a casing having baffle plates arranged in staggered relation therein mounted on the radiator and communicating therewith to receive the vapors therefrom, a pipe extending through the conduit and through said radiator and having its upper end disposed within the casing for receiving the vapors within the casing, said pipe extending downwardly through said fitting and communicating at its opposite end with the carburetor of the engine and a branch pipe extending from the aforementioned pipe into the intake manifold of the engine.

1,543,782. REED-SHIFTING MEANS FOR WARPING MACHINES. FREDERICK WILLIAM MAUS, Shamokin, Pa. Filed Feb. 2, 1924. Serial No. 690,272. 7 Claims. (Cl. 28—30.)

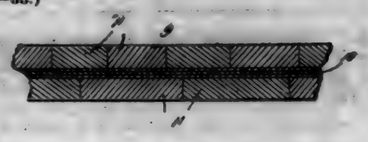
1. The combination with a creel embodying a frame, of a transversely reciprocatory reed mounted upon said frame, a pair of levers pivoted between their ends to

the frame and having pivotal connection at their outer ends with the road, means to move the outer ends of the levers downwardly, a pin pivotally connecting the



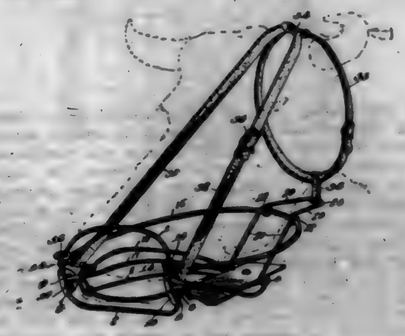
inner ends of the levers, a stop element carried by the pin, and a cam engaging the stop element to shift the same laterally.

1,543,782. STEERING WHEEL. MAJOR H. MEDFORD, Canton, N. C. Filed Aug. 10, 1922, Serial No. 581,031. Renewed May 8, 1925. 1 Claim. (Cl. 74—33.)



In a steering wheel including a central ring section and an inner and outer section applied to said central section, the said inner and outer sections consisting of blocks of wood appropriately joined together, a portion of the same being arranged tangentially with respect to the perimeter of the ring and the remainder at an acute angle thereto.

1,543,784. MUZZLE. JAMES B. MINER, Bend, Oreg. Filed Feb. 27, 1925. Serial No. 12,064. 3 Claims. (Cl. 119—129.)



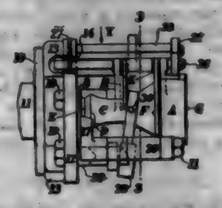
1. A muzzle for live stock comprising a nose loop, a substantially shovel-shaped lower jaw guard made of spaced apart wire members and attached at its forward end to side portions of said nose loop, a pair of side straps connected at their lower ends to the bottom portion of said guard adjacent to the juncture of the latter with side portions of the nose loop, said side straps being adapted to be adjustably engaged with each other at their other ends and to extend at the sides of the head of a grazing animal and across the head of a grazing animal, a strap encircling the throat of the animal, means connecting the side straps with the upper portion of the throat strap, and other means connecting the lower portion of the throat strap with the rearward portion of the guard.

1,543,785. CUFF BUTTON. FRED H. MODRELL, Spokane, Wash., assignor of one-half to William J. Doust, Spokane, Wash. Filed Feb. 14, 1925. Serial No. 9,313. 3 Claims. (Cl. 24—102.)



1. The combination in a cuff button with an elastic shank having socket ends to receive the inner ends of a dumbbell link, said links, spaced button heads, and loose connections between the outer ends of said dumbbell links and said heads.

1,543,786. WORKHOLDER. JOHN W. MURPHY, Corning, N. Y., assignor to Corning Glass Works, Corning, N. Y., a Corporation of New York. Filed Mar. 28, 1923. Serial No. 628,309. 3 Claims. (Cl. 279—1.)



1. In a lathe work-holder for forming a central cavity in an article comprising separable hinged members, the combination of a base plate having a pin projecting therefrom adapted to pass through the pivot holes of the separable members, clamping and centering means on the base plate for the base of the article, and a yoke pivotally carried by the base plate and adapted to hold the upper portion of the separable members together.

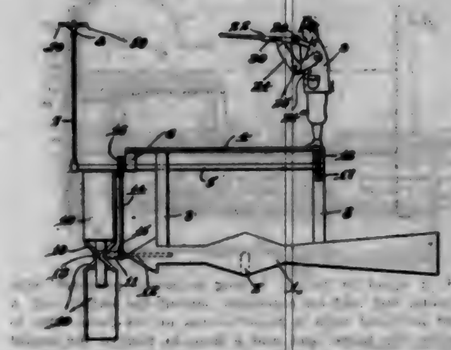
1,543,787. ELECTROLYTE FOR STORAGE BATTERIES. OSCAR ALFRED OLSON, Chicago, Ill., assignor to Potent Dry Battery Company, Denver, Colo. Filed Apr. 26, 1922. Serial No. 556,753. 7 Claims. (Cl. 136—153.)

1. An electrolyte for storage batteries comprising kieselguhr in intermixture with water, sulphuric acid, nickel ammonium sulfate and sodium chloride.

1,543,788. TOY. JOHN O. PARKER, East Marion, Mass. Filed June 11, 1924. Serial No. 719,323. 1 Claim. (Cl. 46—40.)

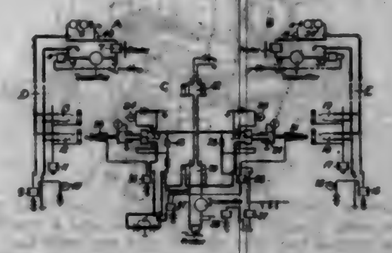
A toy of the kind described, comprising a support, upright standards on said support, carrying thereon a platform, a shaft carried by said standards, and having secured at one end thereof a bird or other quarry, a

driven pulley carried by said shaft, and means on the support to rotate said shaft, a man-like figure on said platform opposite said bird or quarry, said man-like figure being provided with a head, arms, and a gun,



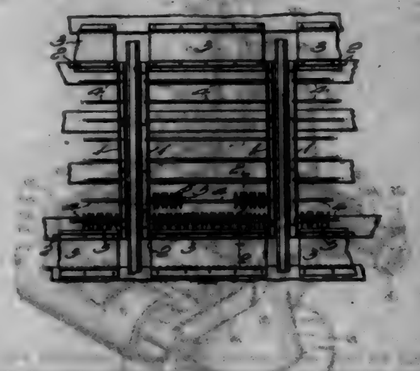
all operable by means of an eccentric carried on said shaft, said human figure, and said bird or quarry, being operated in synchronism to simulate the action of a hunter shooting its quarry.

1,543,789. PRINTING-TELEGRAPH EXCHANGE SYSTEM. RALSEMOND D. PARKER and GILBERT S. VERNAM, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company, a Corporation of New York. Filed Dec. 23, 1922. Serial No. 608,778. 12 Claims. (Cl. 178—2.)



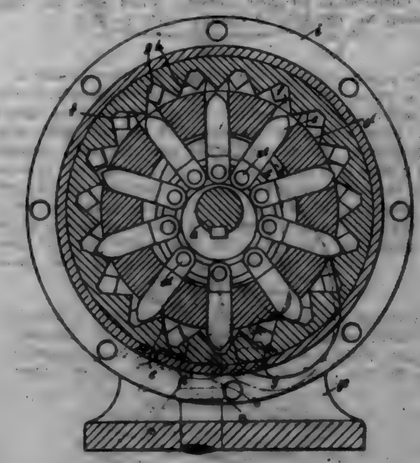
1. In a printing telegraph exchange system, a plurality of subscribers' stations, printing telegraph equipment located at each of said stations, a central office, signaling conductors connecting said stations with said central office, signaling means at said central station individual to each of said signaling conductors operative upon the association of said printing telegraph equipment with said signaling conductor to apprise the operator at the central station that connection is desired with another line, a link circuit at said central office, a receiving printer, and means operative for connecting said printer with said link circuit, and said printer being thereby rendered responsive to the operation of the printing telegraph equipment at the calling subscriber's station when said link circuit is connected with the line thereof to record the number of the party desired.

1,543,790. CATTLE GUARD. JONAS PEDERSON, Winnipeg, Manitoba, Canada, assignor of one-fourth to Frederik O. Eickerman, Winnipeg, Canada. Filed Sept. 9, 1924. Serial No. 736,702. 2 Claims. (Cl. 256—16.)



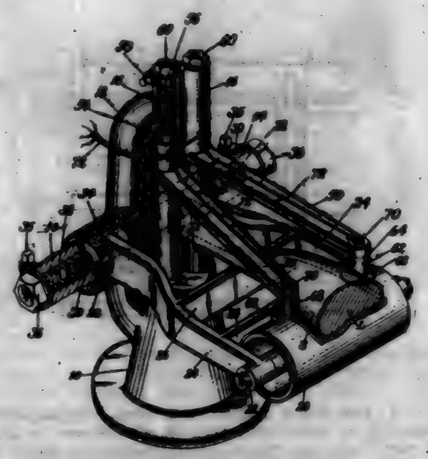
1. A cattle guard comprising a frame, parallel shafts supported by said frame, horn wheels disposed in pairs on said shafts and free to rotate thereon, and means on the shafts spacing the individual pairs of horn wheels from each other, the wheels of each pair being provided with inwardly extending hubs having interlocking engagement with each other.

1,543,791. TRANSMISSION GEARING. WALTER CHARLES PITTER, Eltham, England. Filed Aug. 18, 1920. Serial No. 404,358. 17 Claims. (Cl. 74—64.)



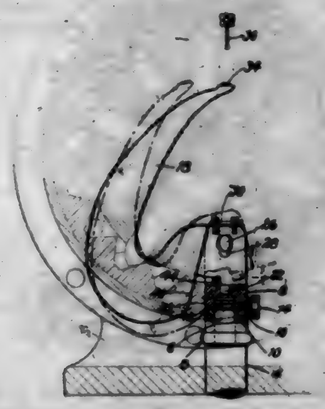
11. In a variable transmission, a driving member and a driven member, one of which has a concentric surface, and an intermediate transmitting means compressed between said members and [illegible] and radially actuated by movement of the eccentric face to advance the other, [illegible] clinching surface in alignment

1,543,792. SHOE-SHAPING APPARATUS. ARTHUR F. PEM, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 24, 1921. Serial No. 439,484. 28 Claims. (Cl. 12—51.)



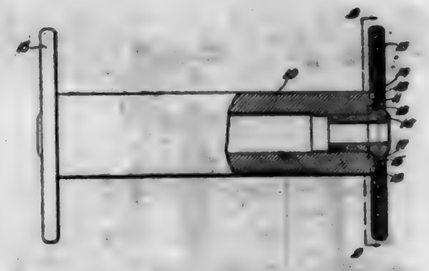
1. In a shoe-shaping apparatus, members to engage the bottom of the sole and both sides of the upper of a relasted turned shoe, progressively to smooth the shoe materials into conformity with the enclosed last, and means to supply heat to set the materials as they are smoothed.

1,543,793. WORK SUPPORT. WILLIAM THOMAS BUCKINGHAM ROBERTS, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Feb. 23, 1923. Serial No. 620,805. 2 Claims. (Cl. 1—41.)



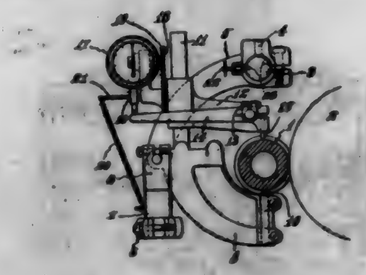
1. In a fastening inserting machine, the combination of a driver, a post, a carrier block mounted on the post, a horn pivotally mounted on the carrier block for [illegible] movement toward and from the clinching surface of the horn to move into and out of alinement with the driver, and a [illegible] interlocking parts carried by the horn and the carrier block for retaining the horn with its clinching surface in alinement with the driver.

1,543,794. SPOOL. EMM ROBINSON, Greenville, S. C., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Aug. 19, 1924. Serial No. 732,953. 4 Claims. (Cl. 242—118.)



1. A spool or bobbin having a barrel provided with a round end and an extension beyond the barrel end, a head provided with a round recess on its inner side to receive the barrel end and a hole to receive the barrel end extension, a ball for holding the barrel and head from relative rotation, the barrel end and the bottom of the round recess of the head being provided with opposed cavities extending the one into the barrel end and the other into but not through the head in which the ball is received, and means for engaging the barrel end extension and head to hold the head on the barrel.

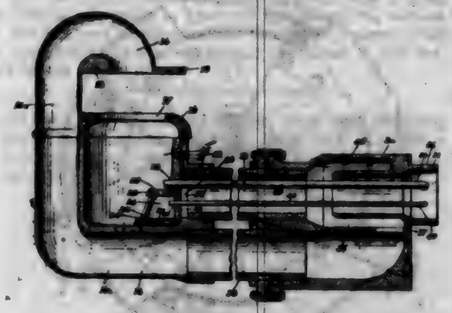
1,543,795. CONTINUOUS READING GAUGE. HUGH M. ROCKWELL, Bristol, Conn., assignor, by mesne assignments, to Standard Steel and Bearings Incorporated, Wilmington, Del., a Corporation of Delaware. Filed June 7, 1920. Serial No. 387,180. 13 Claims. (Cl. 33—148.)



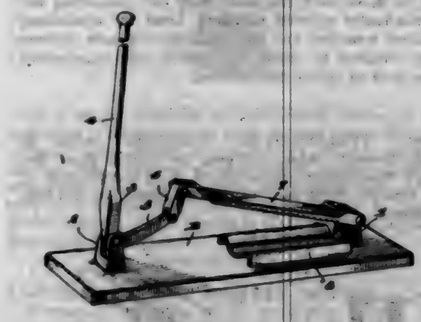
1. In a device of the character indicated, a support, a standard rotatably mounted thereon, a primary arm pivotally mounted on said standard, a secondary arm rotatably supported by the primary arm, contact members on each arm adapted to engage a piece of work, and resilient means to force said contact members against the work.

1,543,796. CRUDE-OIL BURNER. FREDERICK W SCHEIFELE, Audubon, N. J. Filed Nov. 6, 1924. Serial No. 748,229. 4 Claims. (Cl. 158—28.)

1. In a crude oil burner, a casting formed to provide a vertically extending burner chamber and a conduit upon the exterior of the chamber, the chamber having an inlet formed in the side wall thereof, a cap for the chamber providing a cover therefor having a vertical opening of less size than the burner chamber, the cap including a goose-neck conduit communicating at one end with the conduit of the burner chamber when the cap is in position and having the opposite end thereof opposed to the opening of the cap and means for introducing a forced draft to the burner chamber including an aspirator communicating at its inlet end with the other end of the conduit of the burner chamber.



1,543,797. NUTCRACKER. JOSEPH SCIORTINO, Youngstown, Ohio. Filed Oct. 23, 1923. Serial No. 670,361. 4 Claims. (Cl. 146—16.)



1. In a device of the character described, in combination with a base, a clamping bar swingingly connected at one end with one end of said base and having its opposite end loosely connected with one end of a link, and an operating lever of substantially bell crank formation loosely mounted upon the opposite end of said base, and having one of its arms loosely connected with the opposite end of said link in such manner as to permit the swinging end of said clamping bar to be disposed either above or below the arm of said operating lever, in order to adjust the device to the accommodation of different sized nuts.

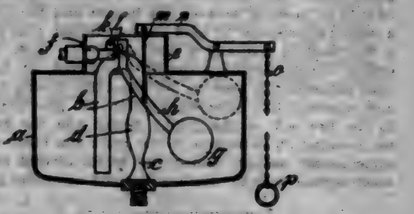
1,543,798. EXPLOSIVE. ALEXANDER CRUICKSHANK SCOTT, Cardiff, Wales, assignor to Mexico Limited, London, England, a British Company. Filed Aug. 26, 1924. Serial No. 734,219. 16 Claims. (Cl. 102—6.)

14. A cartridge comprising a casing in the form of an external shell and a central axial tube therein between which and the shell is a space, said tube being pervious to liquid hydrocarbon and crystals of the kind described so crushed and packed into said space that the volume of the voids between the crystals does not exceed thirty-two per cent of the volume occupied by the crystals, said



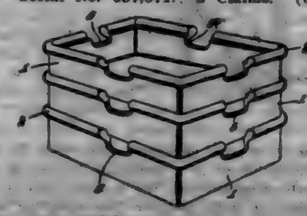
tube moreover being of such dimensions that its internal volume is equal to the volume of hydrocarbon required to be introduced to prepare the cartridge for use.

1,543,799. RINSING TANK FOR WATER-CLOSETS AND THE LIKE. CHARLES HEINRIK SEGATO, Copenhagen, Denmark. Filed Aug. 7, 1922. Serial No. 580,151. 1 Claim. (Cl. 4—19.)



A rinsing tank for water closets and the like, a siphon fixed firmly in the tank, an inlet valve for water, a float gauge actuated means to control the said valve, the said tank having an upwardly extending neck of a smaller sectional area than that of the tank and the bend of the siphon being located within said neck a lever mounted in the tank and connected to said float gauge actuated means and a chain attached to said lever said chain ending in a ring and a nail disposed laterally and near the said chain and off which nail said ring may easily slip when the chain becomes slack.

1,543,800. NESTABLE CONTAINER. WILLIAM M. SHEWAY, Chicago, Ill., assignor to Space Saver Dish Company, a Corporation of Illinois. Filed Aug. 15, 1923. Serial No. 657,571. 2 Claims. (Cl. 65—15.)

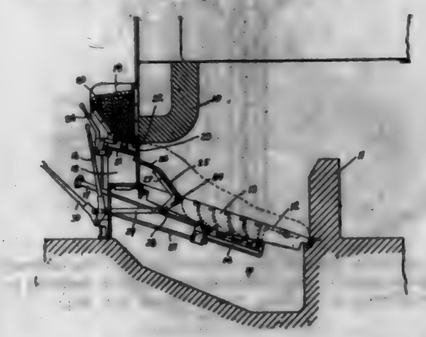


1. As a new article of manufacture, a pair of rectangular superimposed dishes, the upper having its bottom resting directly upon the upper edge of the lower

dish and one dish having a flange extending thereabout out of alignment with its side walls for engaging with the other dish for holding said bottom in engagement with said edge, each dish having notches formed in all of its side walls and opening through its upper edge

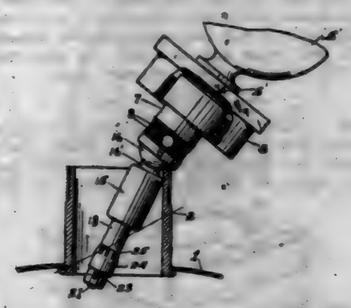
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1,543,801. GRATE CONSTRUCTION. EDWIN B. SMITH, Marion, Ind., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind., a Corporation. Filed Mar. 22, 1924. Serial No. 701,690. 2 Claims. (Cl. 110—32.)



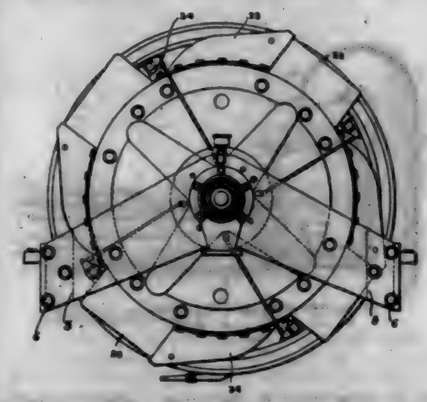
1. In a force feed boiler construction, the combination with a hopper having a fuel discharge throat, a grate below the same and offset therefrom, said boiler having an opening between the hopper and the grate, and a ram reciprocable in said hopper throat and including a fuel feeding face and a fuel supporting face, of an inclined coking device pivotally supported at its lower edge adjacent the opening for normally closing the same and movable into lowered position for providing access to the fire bed on the coking device and the grate and for forming an extension of the grate and connecting the same to the hopper, said device in its pivotal movement serving as a ram for feeding the bed upon the grate.

1,543,802. LOCK FOR RADIATOR CAPS. KYLE E. STANT and IVAN H. STANT, Connersville, Ind., assignors to The Stant Machine Company, Connersville, Ind., a Corporation of Indiana. Filed Mar. 18, 1924. Serial No. 700,153. 14 Claims. (Cl. 220—24.)



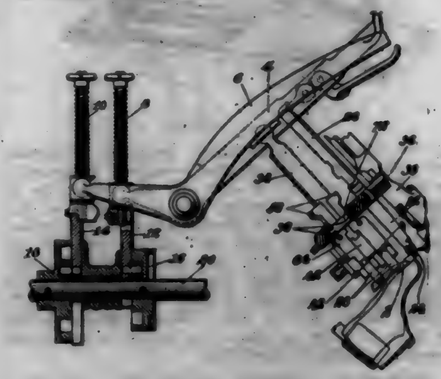
5. In a lock of the character described, a member adapted for attachment to a mounting having an attaching means extending through the radiator cap, a nut rotatably carried by said member but overwise in fixed relation therewith, and gravity operated means for connecting and disconnecting said member and nut with respect to their relative rotation.

1,543,803. GAS ENGINE. EMIL P. STANY, Cedar Rapids, Iowa. Filed Sept. 16, 1920. Serial No. 409,446. 1 Claim. (Cl. 123—48.)



In an internal combustion engine, a support, a stationary hollow shaft mounted on the support, a cam mounted on the hollow shaft, a shaft mounted within the hollow shaft, a housing keyed on the last mentioned shaft to revolve therewith, cylinders carried by the housing, substantially triangular pivoted members mounted within the housing, pistons having rods operating in the cylinders, arms having connection with the pivoted members, a roller mounted on each pivoted member and adapted to move over the cam, arms for connecting adjacent triangular pivoted members, arms for connecting the pivoted members and piston rods, and said pivoted members adapted to move the rollers into engagement with the cam to rotate the housing.

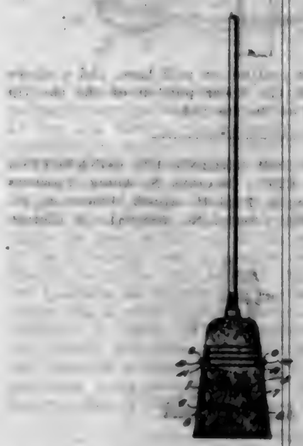
1,543,804. PULLING-OVER MACHINE. ALBA B. STONE, Everett, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Jan. 17, 1921. Serial No. 437,786. 41 Claims. (Cl. 12—4.)



9. In a machine of the class described, the combination with a plurality of pairs of upper gripping jaws, and operating mechanism for closing said jaws on an upper and for moving them to pull the upper, of a device associated with one of said pairs of jaws and operative independently of the gripping and pulling movements of the other jaws to prevent said pair of jaws from gripping the upper while permitting them to move in the direction of pull.

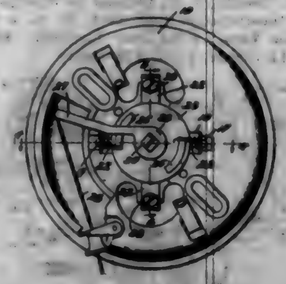
32. In a machine of the class described, the combination with grippers for pulling an upper in different locations including a gripper for engaging the upper at the side of the last, of power operated means for effecting relative movement of the different grippers and the last to pull the upper and for imparting to said side gripper an inward movement to draw the upper over the bottom of the last and a simultaneous turning movement about an axis extending transversely of the plane of the bottom of the last.

1,543,805. BROOM STIFFENING AND PROTECTING DEVICE. JAMES R. TACKETT, Olive Hill, Ky. Filed Dec. 16, 1924. Serial No. 756,321. 1 Claim. (Cl. 15—170.)



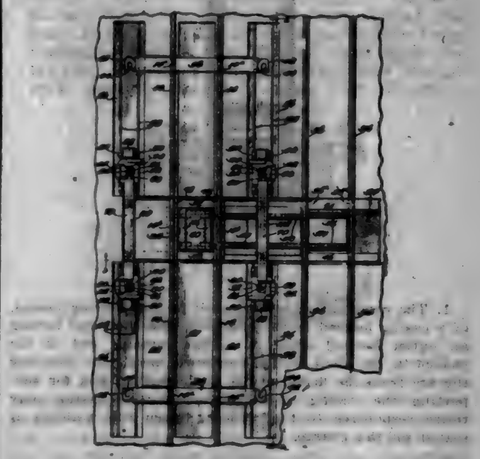
In a broom stiffening and protecting device, a broom encircling element, bails each having ends secured to opposite sides of the said encircling element, said bails having looped central portions, knobs having grooves in which the loops of the bails are located and on which they are oscillatable, and screws secured to the said knobs adapted to be imbedded in fibre of the broom for anchoring the same.

1,543,806. ELECTRIC-FIXTURE SWITCH. DON N. THOMPSON, Syracuse, N. Y. Filed July 5, 1923. Serial No. 649,733. 6 Claims. (Cl. 200—64.)



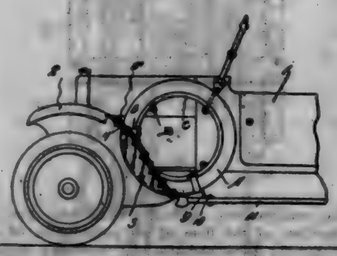
1. In an electric switch, the combination with a disk having electrical contacts and means for imparting an intermittent rotation to said disk, of a square hub connected to the disk and oppositely disposed spring impelled rollers bearing upon the hub, radial slides upon which the rollers are mounted and fixed guides for said slides.

1,543,807. COMBINATION LOCOMOTIVE JACK AND DRIVER LIFT. JOHN S. TOWNSEND, Harvey, Ill., assignor to Whiting Corporation, Harvey, Ill., a Corporation of Illinois. Filed May 31, 1923. Serial No. 642,458. 17 Claims. (Cl. 104—32.)



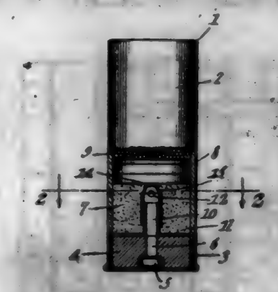
1. In mechanism of the class described, in combination with two separated elevatable load carrying members, a single elevating machine; means permitting movement of the machine from one carrying member to the other; and forked means on each carrying member, each engageable with a different knife edge on the elevating machine, by which the elevating machine may selectively attach itself to either carrying member to elevate it.

1,543,808. TIRE CARRIER. FRANCIS LEE TURNMIRE, Oakland, Calif. Filed Mar. 31, 1924. Serial No. 703,225. 1 Claim. (Cl. 296—37.)



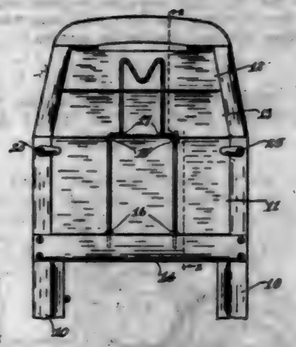
In combination with an automobile including the fender thereof, the latter having a longitudinally extending opening provided therein, a tire receiving member disposed on the under side of said fender and communicating with said opening, a frame arranged on the top of said fender extending around said opening, means extending through the frame, the fender and said tire receiving member for securing the same in position thereon, an extension formed on the lower end of said frame and secured to the running board of said automobile, tire receiving brackets extending upwardly from said frame and said extension, and auxiliary means for engagement with the upper portion of a tire for holding the same in position in the tire receiving member.

1,543,809. SHELL. TOM B. WALKER, Alexandria, La. Filed Mar. 30, 1925. Serial No. 19,437. 2 Claims. (Cl. 102—15.)



1. The combination with a shell having a firing means, of a casing located in the charge of the shell and having an outlet located adjacent to the forward end of the charge in the shell, and a combined means for carrying the fire from the firing means to the casing, and for supporting the casing slidably whereby the casing may retire responsive to the wadding when the wadding is seated on the charge.

1,543,810. RETAINER FOR FLOOR BOARDS. WINFIELD S. WALKER and HUBERT A. BIRDWELL, Limestone, Tenn. Filed Jan. 6, 1925. Serial No. 868. 2 Claims. (Cl. 296—1.1.)



2. The combination with the horizontal and inclined board sections of the floor of an automobile, of a spring member having intermediate coil portions disposed between the horizontal and inclined sections, the portion of the spring member at one side of the coil portions being engaged with the chassis of the automobile and with the said horizontal section, and the portion of the spring member at the other side of the coil portions resiliently engaging the inclined sections to retain said sections against rattling and displacement from their seats.

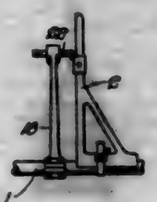
1,543,811. BILLIARD-CUE-TIP HOLDER. WILLIAM C. WRIGHT, Lynn Haven, Fla. Filed Apr. 25, 1924. Serial No. 708,960. 3 Claims. (Cl. 273—70.)

3. A billiard cue comprising a tapering cue rod having a reduced end, a tip base secured on said reduced end, hook members pivotally supported at their inner ends on said base and extending beyond the outer end of the base, a cue tip supported on the outer end of the base, the outer end of the hook adapted to engage the cue tip



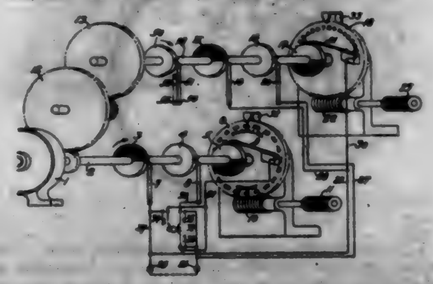
and hold the same in position on said base, and a sleeve fitting over the base, the lower portion of the cue tip and the reduced end of the cue rod.

1,543,812. MEANS FOR TRUING UP CONNECTING RODS, PISTONS, ETC. CHARLES N. ADDIS, Downers Grove, Ill., assignor to Paul H. Appell, Evanston, Ill. Filed Sept. 16, 1922. Serial No. 588,684. 3 Claims. (Cl. 33—180.)



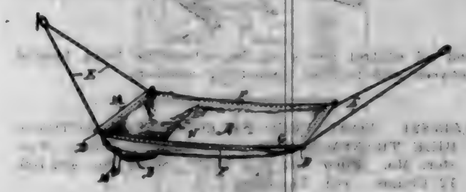
1. In a device of the class described, the combination of an elongated support adapted to have the end of a connecting rod clamped thereon intermediate of the ends and having coaxial portions of the same cross section at opposite sides of the point of attachment of the connecting rod, and a square having a recessed base for optional mounting on either end of the supporting member, said square being provided with an arm extending upwardly from the base for obtaining corresponding measurements at both sides of the outer end of the connecting rod when the latter is clamped on the support.

1,543,813. IMPULSE-GENERATING DEVICE. GEORGE F. ATWOOD, Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 14, 1923. Serial No. 651,488. 14 Claims. (Cl. 178—90.)



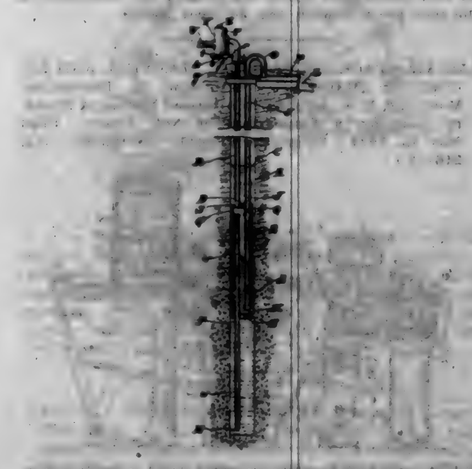
1. In a transmitting system, a circuit, means to transmit a plurality of series of current impulses thereover, means to transmit the impulses of each series at a measured ratio between the duration of a particular impulse and the time spacing between successive impulses, means to vary said ratio at will, and means to introduce a time spacing between said series of impulses.

1,543,814. HAMMOCK. JANE MAY BANNING, Hinsdale, Ill. Filed Sept. 27, 1924. Serial No. 740,182. 2 Claims. (Cl. 5—122.)



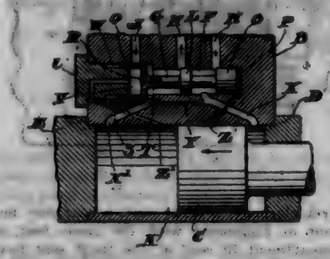
1. A hammock composed of fabric and comprising a comparatively flat body portion merging uninterruptedly at one end into a comparatively deep pocket portion configured to receive and retain a pillow, the material composing the pocket being given the necessary fullness to bag downwardly in the center and being upturned at the sides of the hammock to align with the side edges of the body portion, and the base of the pocket being below the level of the base of the adjacent body portion of the hammock, and the pocket downwardly extending directly from the base level of the body portion when the hammock is suspended in a substantially horizontal plane, and a rigid cross spreader at each end of the hammock to which the outer ends of the body portion and pocket are respectively secured and from which the hammock is suspended, the space between the cross spreaders being unobstructed by rigid cross supports, substantially as described.

1,543,815. FLUID-PRESSURE PUMPING APPARATUS. LEWIS C. BAYLES, Easton, Pa., and HERBERT T. ABRAMS, Orange, N. J., assignors to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Feb. 28, 1924. Serial No. 695,621. 6 Claims. (Cl. 103—245.)



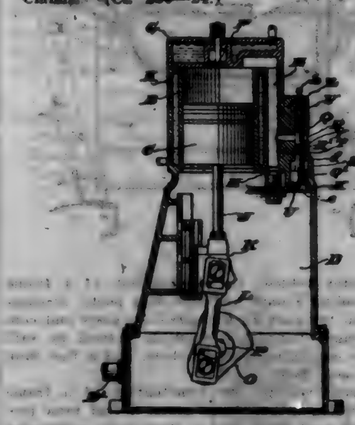
1. Fluid pressure pumping apparatus for automatically discharging liquid from a well in accordance with the rise of liquid in the well, comprising a casing located in the well into which casing the liquid is permitted to enter, means controlled by the back pressure in the casing for automatically discharging the casing by main pressure fluid, and means controlled by the liquid discharged for cutting off the main pressure fluid.

1,543,816. VALVE FOR ROCK DRILLS. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Original application filed Oct. 16, 1922, Serial No. 594,728. Divided and this application filed Nov. 19, 1924. Serial No. 750,766. 3 Claims. (Cl. 121—28.)



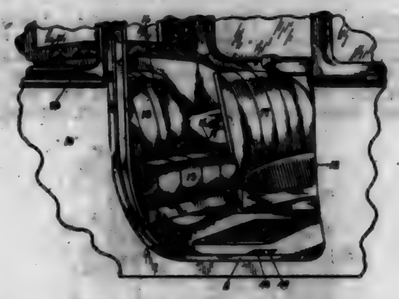
1. In a rock drill, the combination of a cylinder, a reciprocatory piston within the cylinder, a valve chest having a valve chamber with an enlarged bore at one end, inlet ports for the valve chamber, an exhaust port for the chamber communicating with the atmosphere, and a valve within the chamber to control the exhaust and inlet ports, said valve having a central head, one end head of the same diameter having an actuating face, and another enlarged end head with an actuating face and opposed holding faces.

1,543,817. PRESSURE-REGULATING DEVICE. LEWIS C. BAYLES, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Jan. 10, 1925. Serial No. 1,714. 2 Claims. (Cl. 230—24.)



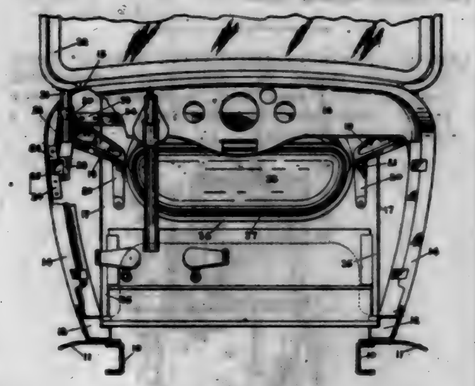
1. In a compressor comprising a storage receiver, and a compressing cylinder having a passage communicating with said cylinder and the storage receiver, a piston to reciprocate within the cylinder, a valve actuated by fluid under pressure within the storage receiver to open communication between the cylinder and atmosphere, a spring to return the valve to its normally closed position, means to augment the force of the spring to return the valve to its closed position, and an adjusting member to vary the tension of the spring for attaining different pressures within the storage receiver.

1,543,818. VEHICLE BODY. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Aug. 26, 1920. Serial No. 406,186. 22 Claims. (Cl. 296—65.)



1. In a vehicle body, a front seat, a rear seat movable into and out of alignment with the front seat, and a storage compartment in rear of the front seat having a side panel extending upwardly at the left of the rear seat to form one end thereof.

1,543,819. MOTOR VEHICLE. EDWARD H. BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Nov. 22, 1920. Serial No. 425,898. 15 Claims. (Cl. 180—54.)

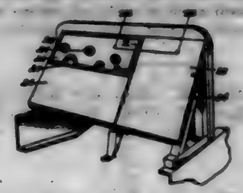


1. In a motor vehicle, the combination of a frame structure including a dash and side door posts, brackets extending from the dash to the side door posts and connecting the same, windshield supports carried by said brackets, a tie connecting said brackets, and a fuel tank supported by said dash.

4. In a motor vehicle, the combination of a frame structure including a transverse plate, a fuel tank projecting through said plate, and a three-point suspension for the tank carried by the plate.

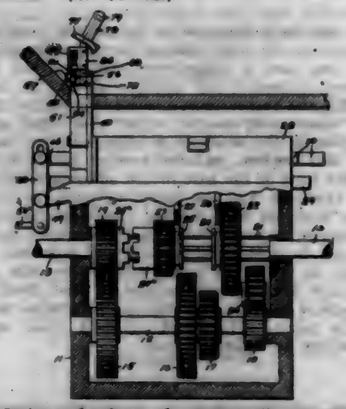
1,543,820. AUTOMOBILE FRAME. EDWARD HALE BELDEN, Toledo, Ohio, assignor to The Willys-Overland Company, Toledo, Ohio, a Corporation of Ohio. Filed Feb. 26, 1921. Serial No. 448,019. 10 Claims. (Cl. 180—89.)

1. In an automobile, a frame including side rails, an inclined toe-board supporting member located above one of said side rails and a second inclined toe-board supporting member located between the rails, the steering post



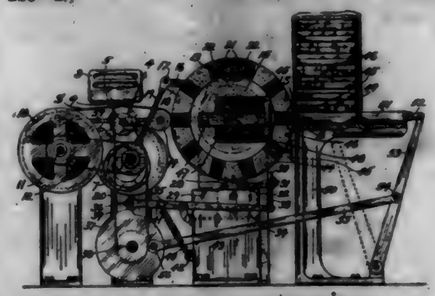
and all control levers of the automobile being located between said inclined supporting members.

1,543,821. FOOT-SPEED SELECTOR FOR AUTOMOBILE TRANSMISSIONS. JASPER BLACKBURN, Webster, Mo. Filed Aug. 13, 1921. Serial No. 492,100. 12 Claims. (Cl. 74—58.)



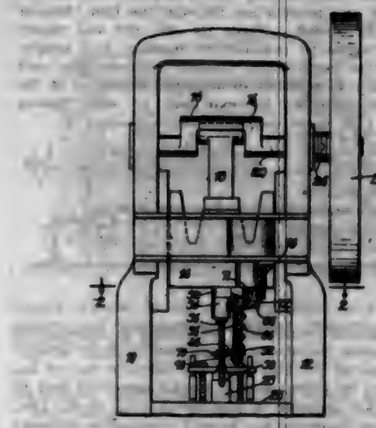
1. A foot speed selector for automobiles, comprising a sliding gear transmission and its casing, a gear shifting mechanism, means for operating the gear shifting mechanism, a preselecting mechanism mounted in said casing, a foot lever in communication with said preselecting mechanism for operating the same and pivotally mounted on said casing, and means for limiting the movement of the foot lever between two adjacent speeds.

1,543,822. PACKAGE SEALING, STAMPING, AND RECORDING MACHINE. WILHELM B. BRONANDER, Montclair, N. J., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed May 15, 1924. Serial No. 713,411. 34 Claims. (Cl. 216—2.)



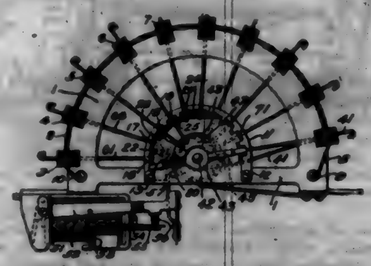
1. A package sealing, stamping, and recording machine, comprising means for printing and recording package sealing stamps, means for gumming said stamps, and means for sealing revenue packages with the gummy stamps.

1,543,823. PUNCH-PRESS UNLOADER. HENRY BUSCHER, West Hoboken, N. J. Filed July 16, 1924. Serial No. 726,271. 13 Claims. (Cl. 207—1.)



5. In combination with a punch press having a reciprocating portion carrying an arm adapted to be swung into and out of alignment with a forming die, an unloading mechanism carried by said arm including a jaw supporting member, means for moving the latter in the direction of the length of the punch as the arm is swung out of alignment with the forming die, work engaging jaws carried by said member and means for releasing the work from the grip of said jaws.

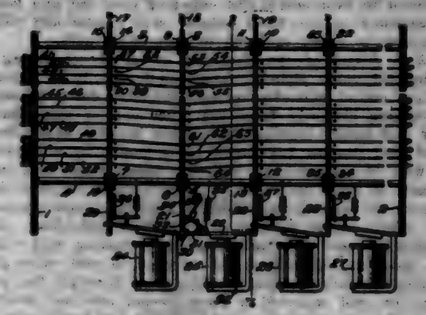
1,543,824. SWITCHING DEVICE. EDWARD B. CRAFT, Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 24, 1921. Serial No. 524,564. 15 Claims. (Cl. 179—27.5.)



1. In a switching mechanism, a bare wire conductor serving as a passive terminal element, a plurality of movable terminal elements, each having a point of cooperation with said passive wire, and a single selectively operable device for selecting one of said movable terminal elements and for moving the selected element into contact with said passive wire.

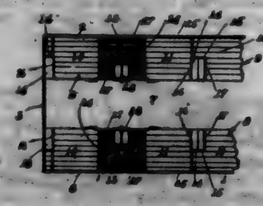
1,543,825. SWITCHING DEVICE. HENRY F. DOBBIN, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Oct. 4, 1921. Serial No. 506,715. 20 Claims. (Cl. 179—27.5.)

1. In a switching device, a plurality of passive conducting elements, a plurality of movable conducting elements, each movable element having a separate point of cooperation with each of said passive elements, and a plurality of magnets, one for each point of cooperation between the movable and passive elements, the operation



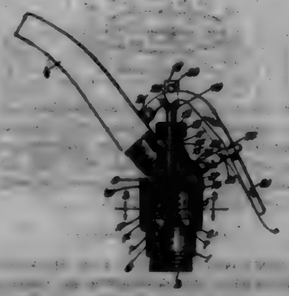
of any one of said magnets serving to move the corresponding movable element into contact with the corresponding passive element.

1,543,826. RABBIT HUTCH. JOHN K. DOLAN, Oakland, Calif. Filed Feb. 9, 1922. Serial No. 535,336. 2 Claims. (Cl. 119—16.)



1. A rabbit hutch comprising a plurality of sections, extensions on certain sections, offsets on other sections which receive said extensions, angle plates in said extensions, angle plates in said offsets engaging the angle plates in said extensions and forming feed bins, and screens in said extensions and said offsets communicating with said bins.

1,543,827. LIQUID-DISPENSING NOZZLE. JERALD G. DOTY, St. Louis, Mo., assignor to J. G. Doty Pump Company, St. Louis, Mo., a Corporation of Missouri. Filed Nov. 17, 1924. Serial No. 750,235. 3 Claims. (Cl. 251—155.)

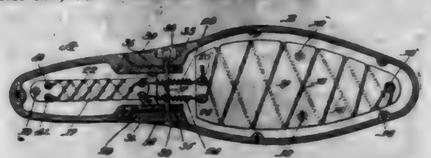


1. A device of the character described comprising a combined handle and valve chamber, an inlet conduit to one end thereof arranged for attachment to a hose connection, a delivery nozzle extending obliquely from the other end of said handle and valve chamber, a valve in said valve chamber at right angles to the axis thereof

for opening and closing communication to said nozzle, a rod extending through the end wall of and axially through said valve chamber, and a lever having one end pivoted to said nozzle and engaging said rod and being engageable by the hand holding said handle and valve chamber to cause said rod to open said valve.

3. A device of the character described comprising a combined valve chamber and handle, an inlet conduit to one end of said chamber and handle, a delivery nozzle extending obliquely from the other end of said chamber and handle leaving the surface between said nozzle and said conduit engageable as a handle by one hand, a wall in said chamber between said conduit and said nozzle at right angles to the axis of said chamber and having an opening therethrough, a valve in said chamber at right angles to the axis thereof controlling said opening, a spring in said chamber actuating said valve to close said opening, a rod attached to said valve and extending through said opening and through the end wall of said chamber, a lever having one end pivoted to said nozzle and engaging said rod and being engageable by the hand holding said handle and chamber to actuate said rod in a direction to move said valve in opposition to said spring and to the pressure of the liquid in said chamber to open said opening, and means supported by said chamber for holding said lever in position to prevent operation of said rod.

1,543,828. COMBINED SHOE TREE AND DRIER. ANN G. DOYLE, Chicago, Ill. Filed June 26, 1922. Serial No. 571,006. 3 Claims. (Cl. 219—19.)



1. A hollow shoe tree comprising two pivotally connected hollow sections, an electric heating element in each of the sections, electric conducting members in the form of helical springs connecting the heating elements, and each of said hollow sections arranged in communication with each other whereby the heat is evenly distributed throughout the entire shoe tree.

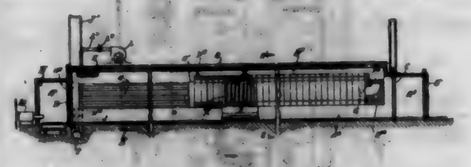
1,543,829. DRIER FORM. ANN G. DOYLE, Chicago, Ill. Filed June 26, 1922. Serial No. 571,007. 2 Claims. (Cl. 228—17.)



1. A drier form comprising two sections of stamped metal, ears carried by the respective sections having openings therethrough, there being corresponding openings in said sections registering with the openings in said ears, and rivets passing through all of said openings for securing said sections together.

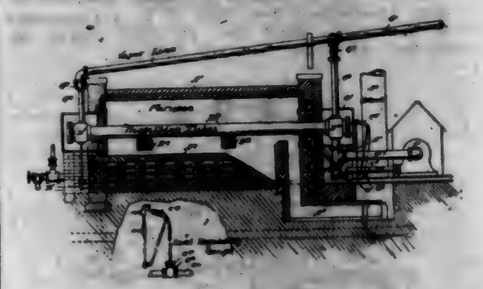
1,543,830. CONTINUOUS KILN AND METHOD OF OPERATING SAME. CONRAD DRESSLER, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y., a Corporation of New York. Continuation of application Serial No. 890,295, filed July 27, 1920, renewed Apr. 24, 1923. This application filed Aug. 29, 1924. Serial No. 734,859. 8 Claims. (Cl. 263—6.)

6. The method of annealing billets at a desired temperature and utilizing casting heat in so doing, which consists in passing the billets through a tunnel kiln chamber, heating said chamber by an internal combustion chamber located in the kiln chamber and extending from the exit end toward the entrance end of the kiln chamber, and passing air through the kiln chamber from its entrance end towards its exit end and thence into and through the combustion chamber, and supplying fuel to the combustion chamber adjacent the exit end of the kiln as required to maintain a portion of the kiln chamber adjacent its exit end at said desired temperature.



8. A continuous tunnel kiln comprising in combination with an elongated chamber, a combustion chamber extending lengthwise of the kiln from the delivery end of the latter toward its entrance end, means supplying fuel to said combustion chamber at the delivery end of the kiln, and means for supplying air to said combustion chamber at the delivery end of the kiln including provisions for causing the air so supplied to travel longitudinally of the kiln chamber from the entrance end to the delivery end thereof and to abstract heat from the kiln chamber in its travel.

1,543,831. APPARATUS FOR TREATING HYDROCARBON OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Original application filed Nov. 30, 1917, Serial No. 204,527. Divided and this application filed Dec. 12, 1918, Serial No. 266,398. Renewed June 16, 1923. 16 Claims. (Cl. 196—107.)

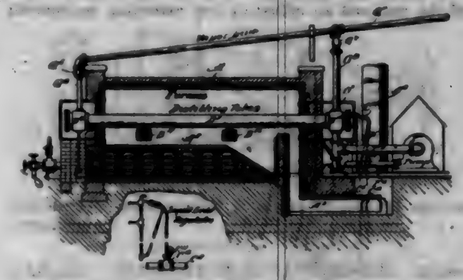


1. In an apparatus for treating hydrocarbons, the combination with a heating coil, of a vaporizing coil of larger diameter than the heating coil and adapted to be heated to a temperature at or above that maintained in the heating coil, a pump and connections to the heating coil for causing a local circulation therein and another pump connection to the vaporizing coil for causing a local circulation in said coil.

1,543,832. PROCESS FOR TREATING HYDROCARBON OILS. CARBON P. DUBBS, Wilmette, Ill., assignor to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed June 3, 1922. Serial No. 565,684. 12 Claims. (Cl. 196—50.)

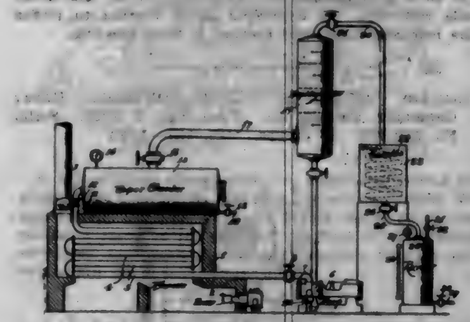
9. A process of converting heavy hydrocarbons into lighter hydrocarbons consisting in the passing of hydrocarbon oil in a relatively small stream through a heating zone, discharging the oil therefrom into a distilling zone of relatively greater cross section effecting independent forced local circulations of the oil pe-

riodically in the heating and distilling zones, said circulations taking place at substantially the same level and in a substantially horizontal plane, subjecting the



vapors evolved in the distilling zone, to a condensing action, and maintaining a vapor pressure during distillation of the oil.

1,543,833. TREATED CARBONACEOUS FUEL. GUSTAV EGLOFF and HARRY P. BENNER, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill., a Corporation of South Dakota. Filed Feb. 10, 1921. Serial No. 443,745. 1 Claim. (Cl. 44—1.)



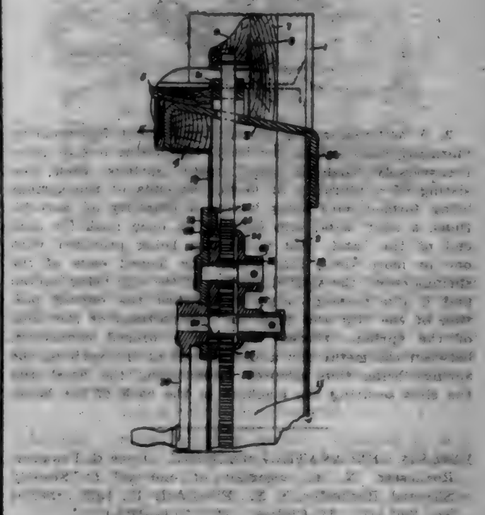
An artificial fuel composed of a residue obtained from the cracking of petroleum oil under heat and pressure, said fuel consisting of a pitchy solid carbon which has been freed of its oily constituents and is in a substantially dry state, and obtained by subjecting the pitchy carbon residue to the action of pressure distillate produced by the cracking of the petroleum oil to remove the liquid oil therefrom.

1,543,834. EJECTOR. RAYMOND N. EHRHART, Edgewood, Pa., assignor to Elliott Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Mar. 2, 1922. Serial No. 540,434. 5 Claims. (Cl. 230—18.)



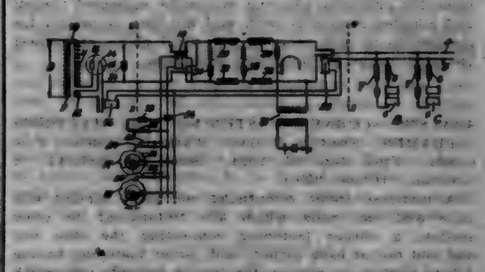
1. In an ejector, a converging-diverging diffuser structure, a long annular structure forming within the converging portion of the diffuser structure a converging-diverging passageway, and a short annular structure discharging into said passageway, substantially as described.

1,543,835. RAILWAY-CAR WINDOW. THOMAS ELLIOTT, Cincinnati, Ohio, assignor to The Cincinnati Car Company, Cincinnati, Ohio, a Corporation of Ohio. Filed Oct. 20, 1924. Serial No. 744,688. 5 Claims. (Cl. 20—52.1.)



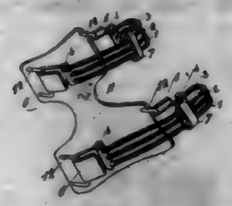
1. The combination with a railway car having a window opening and a sash mounted therein, of guard rods secured to the sash and adapted to move therewith, and operating mechanism to adjust the sash and its guard rods to different positions, comprising a rack bar carried by one of said guard rods, a crank and intermediate gearing by which the rack is operated through the crank, such mechanism being mounted on the side of the car beneath the window sill.

1,543,836. SIGNALING SYSTEM. JOSEPH C. FIELD, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 26, 1920. Serial No. 426,409. 7 Claims. (Cl. 177—340.)



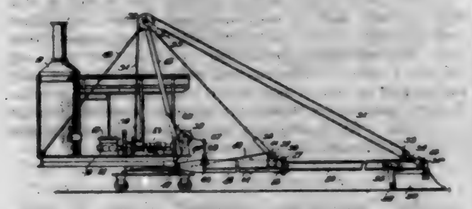
7. In a signaling system, a source of alternating current, a rectifying circuit comprising a two element rectifier, a heating circuit for one of the elements of said rectifier, a plurality of signaling devices intermittently energized over a circuit from said alternating current source through said rectifier, said heating circuit being controlled by the means for intermittently energizing said signaling devices.

1,543,837. SPRING-BAND CLASP. CHARLES FISCHER, New York, N. Y. Filed May 16, 1922. Serial No. 561,356. 4 Claims. (Cl. 267—73.)



2. A self-conforming spring band clasp for securing vibrating machines to the hand, comprising one or more transversely bendable spiral, metal springs, each consisting of a plurality of loops, the ends of the springs being formed with loops having a plurality of convolutions, a bent metal clip forming an open hook for each end of the band, said metal clip being provided with one or more slots, into which the looped ends of the springs enter, the slotted portion of the clip being curved and a pin passing transversely thru the curved portion of the clip and thru the convolutions of the ends of the springs, thereby forming a hinged connection between the metal clip and the ends of the springs, the springs being thus adapted to surround the hand and the clips securing the machine to the back of the hand.

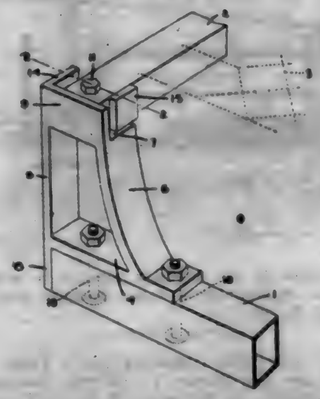
1,543,838. EXCAVATING MACHINE. JOHN G. FOGARTY, Rochester, N. Y., assignor of one-half to Stanley Shepard, Rochester, N. Y. Filed July 15, 1920. Serial No. 396,549. 19 Claims. (Cl. 214—102.)



1. In an excavating machine, the combination of a mast, a longitudinally extensible boom supported for vertical and horizontal swinging movements, a bucket on said boom, a fall line connecting said mast and boom and adapted primarily to effect vertical swinging movement of the latter, a digging line connected with the boom for primarily effecting extensible movement thereof and adapted conjointly with said fall line to control the movements of said boom in a vertical plane, and power operated means for actuating said lines.

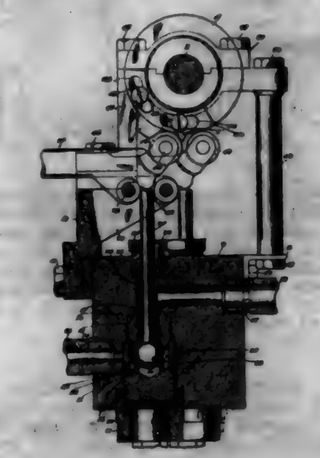
1,543,839. CORNER FASTENING FOR MATTRESS FRAMES. FRANCIS G. GALE, Waterville, Quebec, Canada. Filed Jan. 23, 1924. Serial No. 687,941. 1 Claim. (Cl. 5—225.)

A mattress frame comprising one piece tubular side rails and end rails which are rectangular in cross section, a corner fastening connecting the side rail and end rail at each corner, said corner fastening having a base portion to rest on the top of the side rail which base portion is of substantially the same transverse dimension as the side rail, two separate legs rising from the base portion, a rest supported by said legs and on which the end rail is supported, one of the legs being extended downwardly to form a depending apron which overlies and closes the open end of the side rail and also being extended upwardly beyond the rest, said corner fastening having a flange or curb rising from the rest at right angles to said upward extension and connected thereto, said curb or flange engaging and closing the open end of the end rail, said rest being slotted, a hold-down bolt extending through the end rail and slot of the rest and an adjusting bolt extending horizontally



through the end rail and through the upward extension of the leg, the engagement of the end of the end rail with the curb or flange and the engagement of the end of the side rail with the depending apron serving to stiffen the mattress frame and prevent it from twisting.

1,543,840. MULTIPLE-VALVE CONTROL. HENRY GRIGOLEIT, Chicago, Ill. Filed Aug. 7, 1922. Serial No. 580,379. 37 Claims. (Cl. 137—145.)

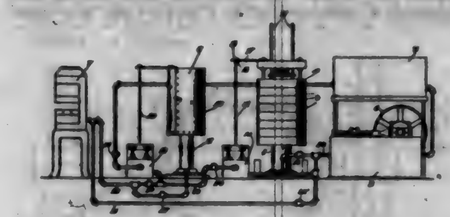


33. A device of the character described including a valve block having a plurality of individual valves, manual means for operating said valves, and automatic means for operating said valves.

1,543,841. PRESSURE-CONTROL SYSTEM. HENRY J. GRIGOLEIT, Chicago, Ill., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill., a Corporation of Illinois. Filed July 2, 1923. Serial No. 649,185. 29 Claims. (Cl. 103—222.)

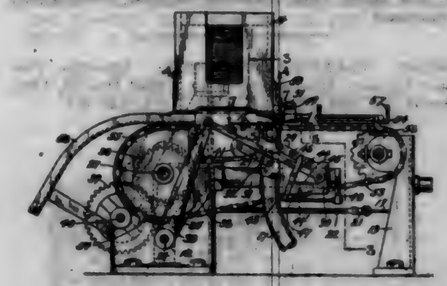
1. A fluid supply system of the character described including a pair of accumulators, a pump for supplying

fluid to said accumulators, and automatic means for connecting said pump to said accumulators to maintain



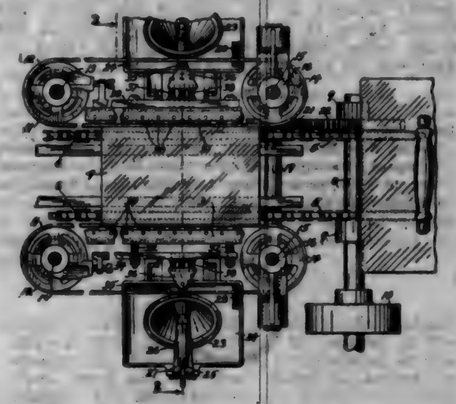
the desired predetermined pressures in each of said accumulators.

1,543,842. ENVELOPE-CHARGING DEVICE. GEORGE W. GWINN, Brooklyn, N. Y., and WILHELM B. BRONANDER, Montclair, N. J., assignors to American Machine & Foundry Company, New York, N. Y., a Corporation of New Jersey. Filed Apr. 5, 1924. Serial No. 704,508. 14 Claims. (Cl. 93—6.)



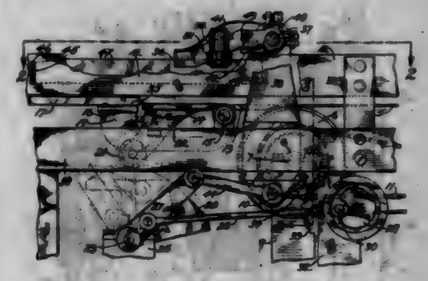
1. An envelope charging device, comprising means for supporting a plurality of open envelopes, means for successively moving envelopes from said supporting means, a spout in the path of the flaps of the moving envelopes, and means for pushing articles through said spout into the envelopes.

1,543,843. WAX-SEAL-COOLING MECHANISM. GEORGE W. GWINN, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed May 1, 1924. Serial No. 710,389. 16 Claims. (Cl. 93—2.)



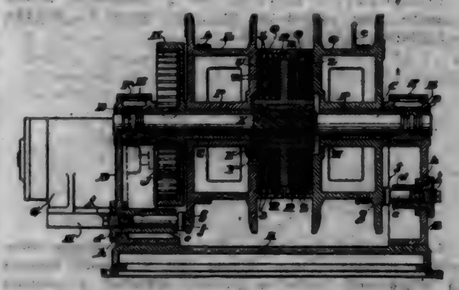
1. A wax seal cooling mechanism comprising means for supporting articles bearing hot seals, cooling means contacting with the seals of the supported articles, and means for dampening said cooling means.

1,543,844. ARTICLE-FEEDING DEVICE. GEORGE W. GWINN, Brooklyn, N. Y., assignor to American Machine & Foundry Company, a Corporation of New Jersey. Filed June 10, 1924. Serial No. 719,220. 24 Claims. (Cl. 198—20.)



1. An article feeding device comprising primary means for advancing articles, secondary means for advancing articles, and means for normally transferring articles at regular intervals from said primary means to said secondary means and operative to render said secondary means inactive when said primary means advances articles irregularly.

1,543,845. DOUBLE-DRUM HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 3, 1924. Serial No. 703,875. 1 Claim. (Cl. 254—185.)

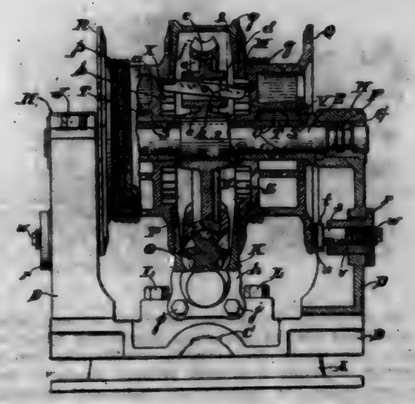


In a hoist, the combination of a frame, a rotatable shaft, a motor connected to operate said shaft, two drums rotatable about said shaft, a worm on said shaft, a main driver in engagement with said worm adapted to be moved longitudinally relative to said shaft in one direction or the other in accordance with the direction of rotation of said shaft, a series of friction plates carried by said main driver, and a second series of friction plates carried by said drums alternating respectively with the plates on said driver, the two series of plates being adapted to be forced together by said main driver to drive one or the other of said drums according to the direction of rotation of said shaft.

1,543,846. DOUBLE-DRUM HOIST. CHARLES C. HANSEN, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Apr. 3, 1924. Serial No. 703,876. 3 Claims. (Cl. 254—185.)

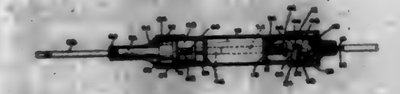
1. In a hoist, the combination of a frame, a shaft supported in said frame, a reversible motor, two drums rotatable about said shaft, a main driver connected to be driven by said motor, opposed drum drivers on said

drums and a transversely pivoted longitudinally extending pawl carried by said main driver located and and oscillating in a plane passing through the longi-



tudinal axis of the said shaft for engaging one or the other of the said opposed drivers in accordance with the direction of rotation of the said main driver.

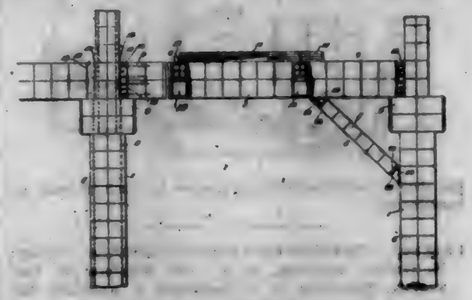
1,543,847. ELECTRICALLY-OPERATED SURGICAL BONE-CUTTING DEVICE. JAY A. HENDRIXE, Minneapolis, Minn. Filed Apr. 21, 1921. Serial No. 463,422. 3 Claims. (Cl. 128—305.)



1. An electrically operated bone-cutting device comprising a holder for a cutting tool, a tubular member in which said holder is slidably mounted, a solenoid mounted in said tubular member, a core for said solenoid, means for retracting said core in rearward direction when said solenoid is deenergized, a pivoted contact member insulatively mounted in said tubular member, a fixed contact member insulatively mounted in said tubular member and which is engaged by said pivoted contact member when the latter is in rearward position whereby a circuit is completed through the coils of said solenoid, means for operating said pivoted contact member to cause the circuit to be broken when said core reaches its forward position and to cause the circuit to be completed when said core is retracted, and a hammer carried by the forward portion of said core for delivering a succession of blows upon said tool holder.

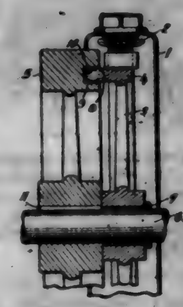
1,543,848. REENFORCED CONCRETE CONSTRUCTION. ALBERT HENDERSON, Pittsburgh, Pa., assignor to Henderson Corporation, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Aug. 25, 1921. Serial No. 584,311. 9 Claims. (Cl. 72—1.)

1. A structure, comprising a member formed of blocks placed end to end and tied together by reenforcing means extending through said member, a second member extending at an angle to the first member and formed of blocks placed end to end and tied together by reenforcing means extending through said second member, and means connecting said members together, comprising a plate secured to a face of the first mem-



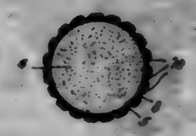
ber and a plate secured to the end of the second member, said plates being connected together, substantially as described.

1,543,849. FLEXIBLE FLYWHEEL. CHARLES TRUMAN HIBBARD, Minneapolis, Minn. Filed Dec. 26, 1922. Serial No. 608,978. 3 Claims. (Cl. 74—6.)



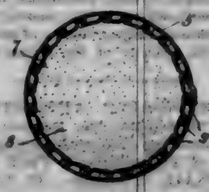
1. In combination with an electric motor having a rotor and a stator, a driven machine, a rotary element rigidly connected to said driven machine and mounted directly adjacent to the rotor of said motor, said element having an appreciable moment of inertia, and flexible means directly connecting the said rotary element with the adjacent side of said rotor.

1,543,860. EXPLOSIVE CARTRIDGE. GROSVENOR B. HOLMANS, New Rochelle, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 23, 1924. Serial No. 727,652. 10 Claims. (Cl. 102—6.)



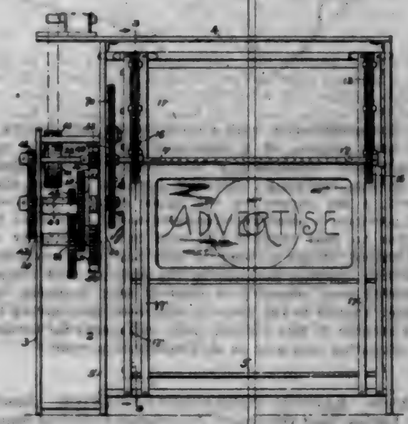
10. In an explosive cartridge a filling of carbonaceous material, an inner wrapper of paper and an outer expansible wrapper of textile material, said textile material being impregnated with a water-repellant material.

1,543,851. EXPLOSIVE CARTRIDGE. GROSVENOR B. HOLMANS, New Rochelle, N. Y., assignor to Air Reduction Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 8, 1924. Serial No. 730,858. 4 Claims. (Cl. 102—6.)



1. In an explosive cartridge a filling of carbonaceous material, an inner wrapper of textile material, an outer wrapper of frangible material, the inner wrapper being adapted to expand and to hold the filling when the outer wrapper is broken.

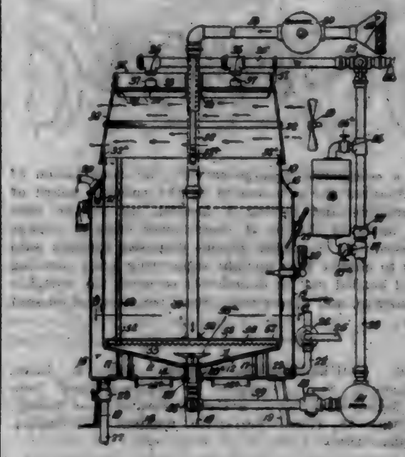
1,543,852. ADVERTISING DEVICE. HERBERT HANSCOM, Fryeburg, Me. Filed May 22, 1923. Serial No. 640,766. 3 Claims. (Cl. 40—36.)



1. In an advertising device the combination of an upper chamber and a lower chamber, both containing a pack of display cards, a middle chamber between the two, a reciprocating rack for conveying the cards one at a time from the upper chamber to the middle chamber and thence to the lower chamber on one side of the device, a reciprocating rack for conveying one at a time from the lower chamber to the middle chamber and thence to the upper chamber on the opposite side of the device, a rack gear for each rack, gearing connected with the rack gears for simultaneously rotating the same and for reversing the movement of the rack gears at intervals, including a sectional gear having a portion arranged to be carried into and out of mesh with the said gearing intermittently, and means for continuously rotating the sectional gear in one direction.

1,543,853. APPARATUS FOR DEODORIZING CREAM. OTTO F. HUNZIKER, La Grange, Ill., assignor to The Pfaudler Co., Rochester, N. Y., a Corporation of New York. Filed July 27, 1921. Serial No. 487,913. 8 Claims. (Cl. 261—12.)

1. An apparatus for the purpose described comprising an open-topped container, spray means located above and spaced vertically from the container top, means for continuously withdrawing a liquid from the container and discharging it through said spray means for return by gravity through the air into the container means for forcing air through the liquid in said container in a

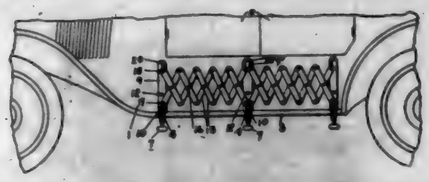


plurality of vertically directed jets closely spaced over the horizontal area of the container, and heating means for maintaing the circulating liquid at a predetermined high temperature.

1,543,854. TELEPHONE-EXCHANGE SYSTEM. LEWIS H. JOHNSON, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Jan. 8, 1921. Serial No. 434,489. 19 Claims. (Cl. 179—18.)

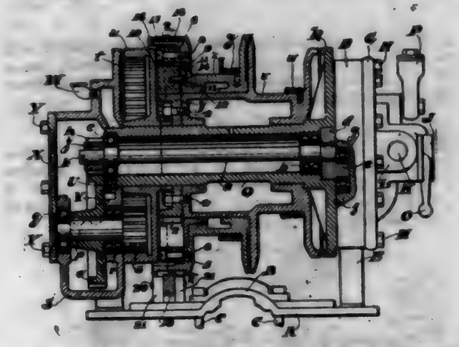
1. In a telephone exchange system, a calling line, selector switches and a connecting circuit for extending a connection from said line, a sending mechanism for controlling said switch, a fundamental switch controlling circuit comprising said connecting circuit extending between said sending mechanism and said switches, means associated with one of said switches controllable over said fundamental circuit for governing the extent of movement of said switch, and means operative during the movement of said switch for reversively controlling said sending mechanism, said first named means being rendered quick to release over a fundamental circuit of upwards of fifteen miles in length when a releasing condition is established in said circuit at said sending mechanism.

1,543,853. LUGGAGE CARRIER. WILLIAM H. JOY, Lansing, Mich. Filed Apr. 4, 1923. Serial No. 629,799. 4 Claims. (Cl. 224—29.)



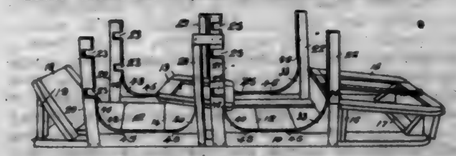
4. In a collapsible luggage carrier, the combination of clamps adapted for attachment to the running board of an automobile and having a headed lug at the base thereof, uprights slotted at their lower ends to engage said headed lug, clamping screws disposed through said uprights to engage said upright supporting arms coacting with said headed lug for detachably securing the uprights to said clamps, and a lazy tong structure mounted on said uprights.

1,543,856. DOUBLE-DRUM HOIST. EARL B. LEAR, Phillipsburg, N. J., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 18, 1924. Serial No. 699,968. 12 Claims. (Cl. 254—185.)



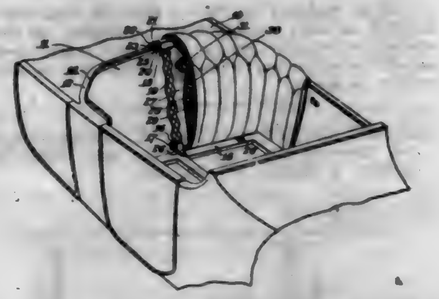
1. In a hoist, the combination of a frame, a driving shaft, two drums concentric with the driving shaft, a motor connected to operate the driving shaft, opposed drivers carried by said drums respectively, a main driver rotated by the driving shaft, a pawl carried by the main driver for automatically connecting said main driver to one or the other of the said opposed drivers in accordance with the direction of rotation of the driving shaft, and a guide member in engagement with said pawl and adapted to insure the movement of said pawl.

1,543,857. COMPOSITE BODY FOR AUTOMOBILES. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 28, 1920. Serial No. 377,249. 2 Claims. (Cl. 296—28.)



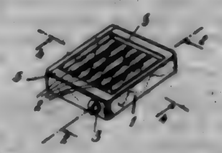
1. In a composite body structure for automobiles, longitudinally extending side sills, door posts extending substantially vertically therefrom and having their upper ends freely disposed, sheet metal body stampings provided with integral reinforcements extending from the free body of one post to the free body of the other and having inturned flanges at the edges thereof for supporting engagement with the sills and posts, and gussets interbracing the posts and the sills and also engaging the inturned flanges of said stampings and contoured to the shape thereof, whereby the gussets in addition to bracing the posts constitute a means of attaching, bracing and retaining the contour of the stampings.

1,543,858. DETACHABLE UPHOLSTERY. JOSEPH LEDWINKA, Philadelphia, Pa., assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed June 11, 1920. Serial No. 388,147. 7 Claims. (Cl. 155—180.)



1. The combination with an automobile body having a seat back portion, of a detachable and removable upholstery unit, comprising a rearwardly-presenting channel having vertically extending portions at the ends thereof, a bar connecting the upper ends of said vertical portions, a sheet of reticulated metal secured at its margins to said channel and said bar, a plurality of hook-shaped straps secured to said bar, a downwardly-presenting channel fastened to the ends of said straps, a tacking strip mounted in each of said channels, upholstery applied to the front of said sheet and having its edges secured to said tacking strip, and means for detachably mounting said unit on said seat back portion.

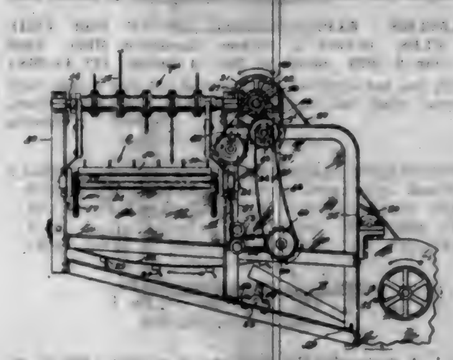
1,543,859. RADIUM THERAPEUTIC DEVICE. EDWIN D. LEMAN, East Orange, N. J., assignor to United States Radium Corporation, a Corporation of Delaware. Filed Oct. 27, 1922. Serial No. 597,268. 6 Claims. (Cl. 174—177.)



1. An applicator for applying radium radiations comprising a plurality of tubes containing radio-active material disposed side by side so as to present an extended effective radiating surface, and a flat casing supporting the said tubes and enclosing and protecting them, the applicator being adapted to have one flat side applied to the body to be treated with the radiations.

1,543,860. BAND CUTTER AND FEEDER. CHARLES L. LOFTLER, Des Moines, Iowa, assignor to Iowa Thresher Company, Des Moines, Iowa, a Corporation of Iowa. Filed Dec. 23, 1919. Serial No. 346,955. Renewed MAR. 5, 1925. 8 Claims. (Cl. 130—1.)

1. In a device of the class described, a beater, an endless carrier emptying into the beater, a feeding conveyor leading to said endless carrier at right angles with respect thereto, the delivery end of said conveyor terminating above the platform at an elevation less in extent than the length of a bundle, rotary band knives above the delivery end of the conveyor arranged to cut the bands of bundles before the travel thereof is effected by the endless carrier and, after the bundles are tilted and later turned by said endless carrier, to strike the elevated



ends of the bundles diagonally and thereby loosen and distribute the stocks thereof longitudinally upon said endless carrier, a stripping rake, above the endless carrier, inclined downwardly toward the beater, means for driving the beater, band cutter, stripping rake, endless carrier and conveyor, said means including mechanism for propelling the endless carrier and conveyor only during efficiently operative speeds of the remaining elements.

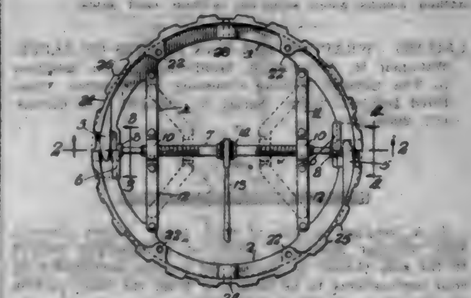
1,543,861. METHOD OF AND APPARATUS FOR PRODUCING COPPER SHEETS ELECTROLYTICALLY. WILLIAM W. MCCOOL, Wyandotte, Mich., assignor to McCord Radiator & Mfg. Co., Detroit, Mich., a Corporation of Maine. Filed May 16, 1924. Serial No. 713,668. 10 Claims. (Cl. 204—11.)



1. The process of maintaining a substantially constant percentage of metallic content in the electrolyte of an electrolytic apparatus, consisting in circulating the electrolyte through a plurality of connected electro-depositing units and supplying only certain of the units with metal stock so that the excess metallic content produced in such units will be deposited out in the units not supplied with metal stock.

1,543,862. TIRE TOOL. WILLARD M. MCEWEN, Chicago, Ill. Filed June 23, 1921. Serial No. 479,781. 8 Claims. (Cl. 157—1.)

1. A tire tool of the character described, comprising a pair of arcuate members arranged end to end and adapted to be moved toward and from each other for varying the diameter of the tool in the direction in which the members are movable, and means located in the space formed by said members and engaged with both for moving them toward and from each other, said means engaging said members at a plurality of spaced points in the circumferential length of each for simul-



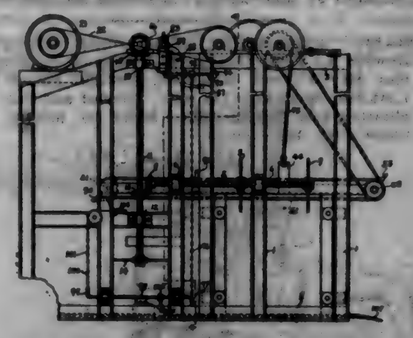
taneously applying substantially the same amount of power against said members at said points when moving them from each other.

1,543,863. METHOD OF AND APPARATUS FOR ELECTRICAL REGULATION. FRANK W. MERRILL, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Aug. 24, 1921. Serial No. 494,921. 10 Claims. (Cl. 171—225.)



1. In combination with a system of electrical distribution, a shunt wound motor generator across the supply end of said system, a second motor generator mechanically connected to the first and connected to the load end of said system, said second machine having two differentially wound shunt fields, and means for controlling the current through one of said fields whereby said field may be stronger, equal to or weaker than the other.

1,543,864. ICE-SCORING MACHINE. CHARLES R. MILLER, Houston, Tex. Filed Aug. 20, 1923. Serial No. 658,301. 10 Claims. (Cl. 125—13.)



1. In an ice scoring machine, an upright frame, an ice elevator adjacent one end thereof, means comprising a rotatable drum and cable thereon to raise said elevator and ice in the path of a plurality of scoring saws, means actuated by the movement of the elevator to reverse said raising means and permitting movement of

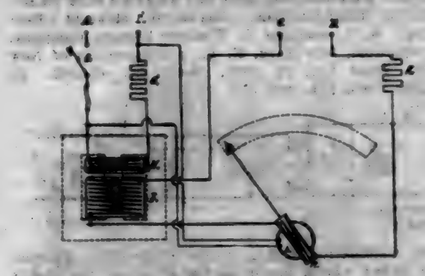
said elevator downward, means to move said ice longitudinally from said elevator against horizontal scoring saws, and means to stop the operation of said last named means when said ice is past said saws.

1,543,865. WRAPPER FOR WAX SHEETS OF PAPER. WILLIAM H. MUCHMORE, Middletown, Ohio, assignor to The Crystal Waxing Company, Middletown, Ohio. Filed Dec. 31, 1923. Serial No. 683,561. 15 Claims. (Cl. 206—57.)



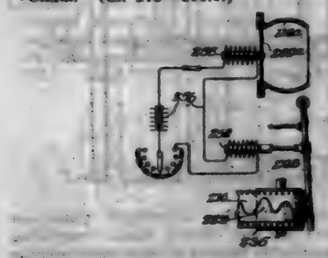
1. A wrapper, a pile of wax paper sheets therein, said wrapper having a series of perforations formed in the side thereof to permit the portion surrounded by said perforations to be separated from the body portion of the wrapper thereby providing an opening in the wrapper, as and for the purpose described.

1,543,866. METHOD OF TESTING SLATE FOR ELECTRICAL PURPOSES. WILLIAM ROBERT NOYNEST, Euclid, Ohio. Filed May 15, 1923. Serial No. 639,181. 3 Claims. (Cl. 175—183.)



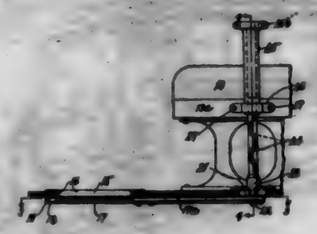
3. In a device for testing slate, the combination of a transformer provided with primary and secondary winding, a source of current supply in circuit with said primary windings, an electrical measuring instrument provided with a movable and a fixed coil, a circuit extending from the source of current for the primary winding of the transformer to the fixed coil of the measuring instrument, a circuit extending from the secondary winding of the transformer to the winding of the movable coil of the measuring instrument, said circuits and coils so proportioned that resistance of the slate is indicated by said electrical measuring instrument.

1,543,867. REPRODUCER FOR SOUND RECORDS. HOWARD L. PAGE, Chicago, Ill. Original application filed May 3, 1922, Serial No. 558,269, Patent No. 1,445,030, dated Feb. 13, 1923. Divided and this application filed Oct. 9, 1922. Serial No. 593,183. 1 Claim. (Cl. 179—100.1.)



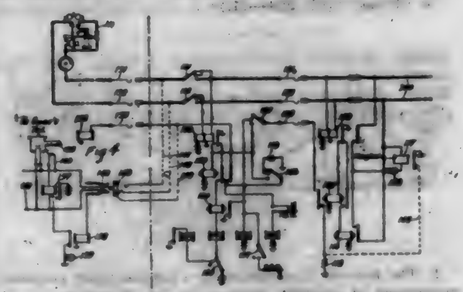
Sound reproducing mechanism comprising, in combination with an undulated strip record, a bar pivoted to swing in a plane transversely to the direction of movement of said record, a spring holding said bar in engagement with the undulated portion of said record whereby the bar is oscillated when the record is moved, a rod pivoted to said bar between the pivot of the latter and the record, an armature on said rod, a magnet in operative relation to said armature, and a reproducing mechanism in circuit with said magnet.

1,543,868. EXPECTORATING DEVICE FOR VEHICLES. OCTAVE A. POIRIER, Gladstone, Minn. Filed Jan. 2, 1925. Serial No. 290. 4 Claims. (Cl. 4—268.)



1. A device for the disposing of waste matter in vehicles comprising a vehicle floor having an opening, a plate slidably mounted in guides fixed adjacent said opening and normally closing it, an integral extension of said plate and a toothed rack on said extension, a pinion fixed on a vertical shaft and in mesh with said rack, means slidable on said vertical shaft and adapted to rotate it and the pinion to move the plate away from the opening in the floor and means for returning the plate to its closing position.

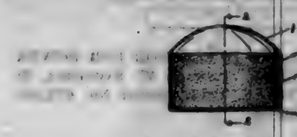
1,543,869. TELEPHONE-EXCHANGE SYSTEM. LIPA POLIENKOWSKY, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 5, 1919. Serial No. 301,998. 31 Claims. (Cl. 179—18.)



1. In a telephone exchange system, a calling line, a plurality of step-by-step switches, means for directively operating said switches to extend the calling line, a plurality of switches each arranged to be driven in a continuous movement, a switch-controlling mechanism, means for variably setting said mechanism, and means controlled by said mechanism for selectively controlling the operation of said last named switches to further extend the calling line.

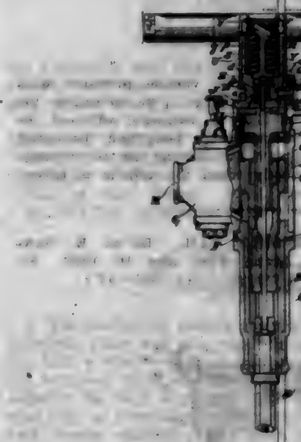
1,543,870. MAGNIFYING GLASS. HENRY T. PEARCE, Kalamazoo, Mich. Filed June 17, 1921. Serial No. 478,273. 1 Claim. (Cl. 88—39.)

As an article of manufacture, a magnifying glass formed as a single molded piece, comprising a cylindrical body and a curved top constituting a lens, the depth of the body being such as to focus the lens when the body is resting upon the surface to be magnified, the



lens surface and the bottom being unobstructed and polished throughout and the sides of the body being ground.

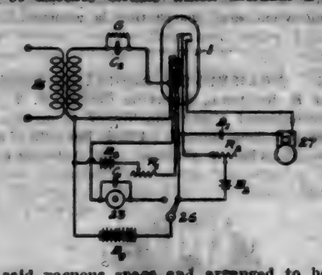
1,543,871. WATER-TUBE BACK-HEAD CONNECTION FOR ROCK DRILLS. WILLIAM PRELLWITZ, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Mar. 21, 1924. Serial No. 700,780. 8 Claims. (Cl. 121—10.)



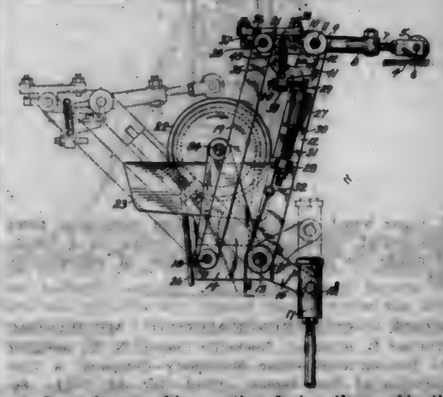
8. In a rock drill, the combination of a back head having a recess and a passage in communication with said recess into which liquid under pressure is adapted to be introduced, a back head plug having a recess adapted to communicate with said passage and also adapted to be screwed into the recess in said back head, said plug being formed with a tapered portion adapted to cooperate with a tapered seat in said back head to form a fluid tight connection between said plug and back head, a liquid conducting tube adapted to extend into the recess in said plug, a sleeve secured to said tube and adapted to be screwed into the recess in said plug, said sleeve being formed with a tapered portion adapted to cooperate with a tapered seat in said plug to form a fluid tight connection between said plug and sleeve, a stem carried by said plug and provided with a hole adapted to receive a suitable tool for enabling said plug, sleeve and tube to be removed from said back head, and flattened portions on opposite sides of a portion of said sleeve, to enable said tube and sleeve to be separated from said plug.

1,543,872. VACUUM-TUBE APPARATUS. SAMUEL RUBEN, New York, N. Y. Filed Apr. 13, 1922. Serial No. 551,988. 6 Claims. (Cl. 250—27.)

1. The combination, with a vacuum discharge device having a cathode and a plurality of anode or plate elements, located in a vacuum space, and separate external circuits connecting said cathode with either of said elements, of another circuit which includes a gap located in said vacuous space and arranged to be closed and opened by the expansion and contraction respectively, of one of said anode elements.

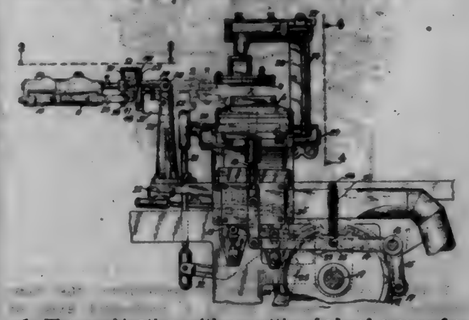


1,543,873. CIGAR-MACHINE PASTING DEVICE. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Dec. 8, 1923. Serial No. 678,350. 8 Claims. (Cl. 131—39.)



1. In a cigar machine pasting device, the combination with paste conveying means normally traveling to and fro between paste receiving and delivering positions, of means selectively active on said conveying means to incapacitate and rehabilitate it during its travel.

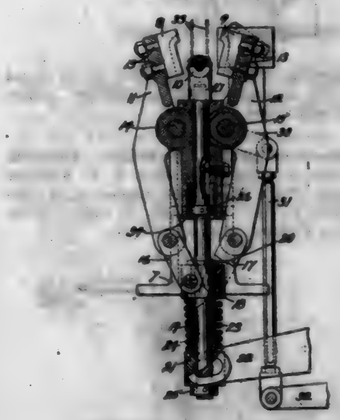
1,543,874. SAFETY CIGAR-WRAPPER CUTTER. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Dec. 10, 1923. Serial No. 679,787. 7 Claims. (Cl. 131—39.)



1. The combination with a cutting bed, of means for cutting a leaf-section on said bed, means for removing it therefrom, and mechanism operative without machine

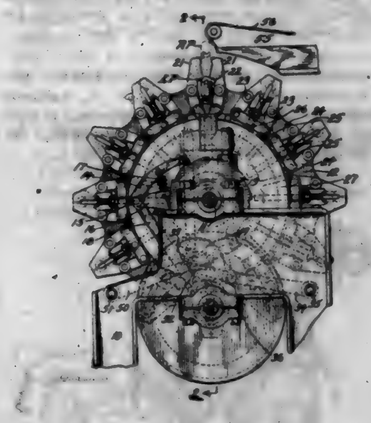
stoppage for incapacitating said cutting bed when an obstruction rests on said bed and whereby it is rehabilitated when said obstruction is removed.

1,543,875. CIGAR-BUNCH REDUCING MECHANISM. RUPERT B. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Dec. 22, 1923. Serial No. 682,172. 9 Claims. (Cl. 131—89.)



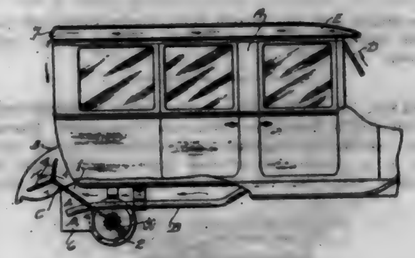
1. Cigar bunch reducing mechanism comprising three complemental reducing devices for acting on a bunch, and means for operating said devices in non-synchronism.

1,543,876. CIGAR-BUNCH-MAKING MECHANISM. RUPERT E. RUNDELL, Rockville Center, N. Y., assignor to International Cigar Machinery Company, a Corporation of New Jersey. Filed Mar. 24, 1924. Serial No. 701,241. 10 Claims. (Cl. 131—89.)



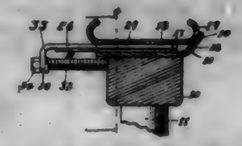
1. In a cigar bunch making mechanism, the combination with a turret having a horizontal axis, of means for intermittently rotating said turret, a plurality of sectional bunch containers arranged about and across the perimeter of said turret, means for holding said containers in closed condition during turret travel, and container opening and closing means successively engaging said containers at bunch charging and discharging position while said turret is at rest.

1,543,877. EXHAUST-GAS DEFLECTOR FOR POWER-OPERATED VEHICLES. EDWARD W. SAUNDERS, St. Louis, Mo. Filed Nov. 7, 1923. Serial No. 673,343. 11 Claims. (Cl. 180—1.)



1. An automobile or similar vehicle provided with a body, an exhaust gas discharge pipe arranged underneath said body, and a device arranged adjacent the rear end of the body between the body and the outlet end of said discharge pipe for causing air to circulate rearwardly under the body when the vehicle is traveling forwardly.

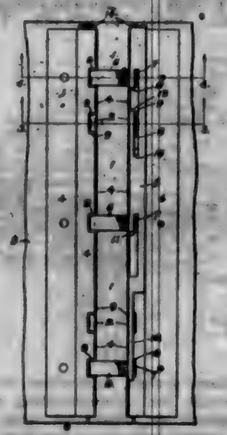
1,543,878. DEMOUNTABLE RIM. ELVER E. SAWTELLE, Des Moines, Iowa. Filed Aug. 10, 1922. Serial No. 580,876. 3 Claims. (Cl. 301—17.)



2. In combination, a felly rim, a demountable rim, means for causing the demountable rim to be locked to the felly rim by rotating the demountable rim relative thereto, means for rotating said demountable rim comprising a set of spaced parallel cleats secured to said felly rim and arranged transversely therewith, said cleats being arranged to form a dove tail groove, a slide bar for said groove, a plate for said slide bar having its transverse edges inclined and parallel with each other, a pair of angular cleats for said demountable rim designed to coact with the inclined edges of said plates, and a laterally extending screw threaded bolt for actuating said plate and said slide bar.

1,543,879. LOOSE-LEAF BOOK. JOHN SCHADE, Holyoke, Mass., assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, F. B. Towne, R. S. Towne, J. M. Towne, and F. W. Wilson, trustees. Filed Oct. 11, 1924. Serial No. 742,985. 5 Claims. (Cl. 129—24.)

1. A loose leaf book comprising a metal back having hinge eyes at its edges, covers having housings secured to their inner edges, the latter having recesses at a plurality of locations, strips slidable within said housings and carrying pintles that are in alinement with said recesses, a predetermined number of the latter containing said eyes which are permanently engaged by certain of said pintles whereby said covers and back are permanently hinged together, and loose leaf posts having perforated ends and extending within the remaining recesses and removably retained therein by certain of said pintles which are inserted through said ends.

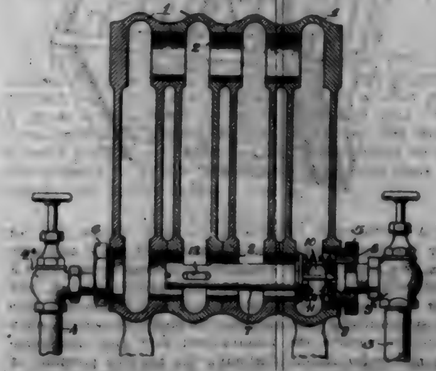


1,543,880. METHOD OF MAKING KNIFE BLADES, ETC. THOMAS C. SHERMAN, Upper Montclair, N. J., assignor to Wade & Butcher Corporation, a Corporation of New Jersey. Filed June 4, 1924. Serial No. 717,792. 9 Claims. (Cl. 76—104.)



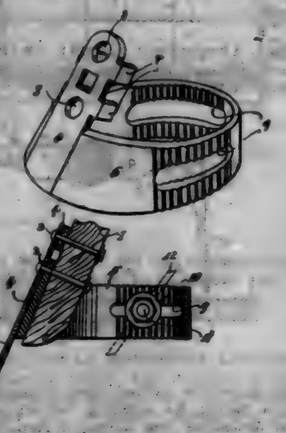
1. The method of making an elongated article having relatively thick and thin edges, which consists in forming from a blank a slug of the required width and having relatively thick and thin edges with excess material adjacent its thick edge, and then longitudinally rolling said slug to generally lengthen the same and to crowd said excess material along with said thick edge to lengthen the latter in compensation for the natural differential elongation of said thick and thin edges.

1,543,881. CONTROLLING DEVICE FOR RADIATORS. WILFRED SHURTLEFF, Moline, Ill., assignor to The Herman Nelson Corporation, Moline, Ill., a Corporation of Illinois. Filed July 2, 1923. Serial No. 649,007. 10 Claims. (Cl. 236—42.)



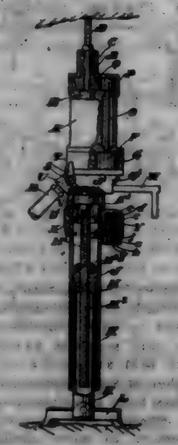
1. In a device of the character described, the combination with a radiator consisting of sections connected at their ends, and having a fluid inlet connected with one of the end sections, of a casing adapted to be mounted in said inlet and comprising a valve for controlling the fluid supply to the radiator, a temperature responsive element remote from said valve and operatively connected therewith, and a plate adjustably mounted on said casing intermediate said valve and heat responsive element.

1,543,882. WING-SWEEP ATTACHMENT FOR PLOWS. M T SKINNER, Cleburne, Tex., assignor to Skinner Horse-Hoof Combination Sweep Company, a Corporation of Delaware. Filed Oct. 1, 1923. Serial No. 665,792. 3 Claims. (Cl. 97—133.)



1. In a wing sweep attachment for plows, a circular band having its front portion higher than the rear portion and said front portion provided with a tongue portion inclined inwardly and extended well beyond the band and provided with spaced lugs to secure the band in position on a plow; and means for attaching the wing sweeps to the band.

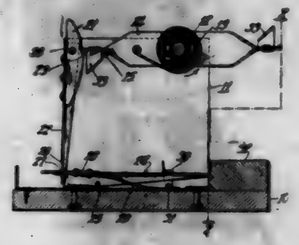
1,543,883. AUTOMATIC AIR-FEED REGULATOR FOR ROCK DRILLS. FRED M. SLATER, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J., a Corporation of New Jersey. Filed Nov. 2, 1921. Serial No. 512,188. 1 Claim. (Cl. 121—5.)



An automatic air feed regulator valve for rock drills adapted to be controlled by the pressure fluid in the feeding element, comprising a valve chest open at one end and mounted at one side of the cylinder of the feeding

element, a passage at the side of the valve chest affording communication between the valve chest and feed cylinder, a valve cage in the form of a hollow cylindrical plug, having an inner portion of reduced diameter removably secured within the open end of the valve chest, an atmospheric port in the outer end of the valve cage, a hollow cylindrical valve closed at its inner end forming a head and slidable within the valve cage, and a valve having a series of ports in its walls adapted to cooperate with the passage at the side of the valve chest, and a spring within the valve opposing the pressure fluid exerted on the valve head, whereby one or more of the valve ports are brought into communication with the feed cylinder passage in accordance with the pressure in the cylinder.

1,543,884. AUTOMATIC ANIMAL TRAP. HERBERT A. STILSON, Chicago, Ill. Filed Apr. 28, 1923. Serial No. 635,354. 4 Claims. (Cl. 43—75.)



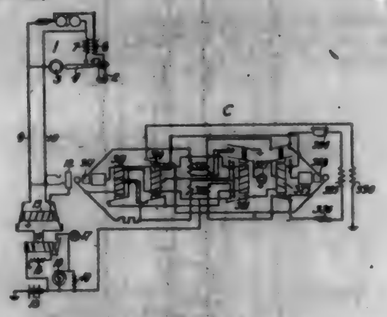
1. An automatic animal trap comprising a rotary striker, a spring for rotating the striker, a pivotally mounted depending arm having a stop for holding the striker, a trigger for holding the arm whereby when released the striker rotates the stop and arm to free the striker, and a cam carried by the arm engaged by the striker as it returns on its rotation to gradually slow down the striker as it re-engages the stop and rotate the arm to be re-engaged and held by the trigger, and means acting upon the arm to slow its movement by the impact of the striker so as to positively effect holding re-engagement of the arm by the trigger.

1,543,885. TILTABLE SUPPORT FOR AUTOMOBILE HEADLIGHTS. ANDREW C. TAYLOR, Marysville, and FERDINAND PFEIFER, Springfield, Ohio; said Pfeifer assignor, by mesne assignments, to said Taylor. Filed Mar. 31, 1924. Serial No. 703,073. 18 Claims. (Cl. 240—61.)



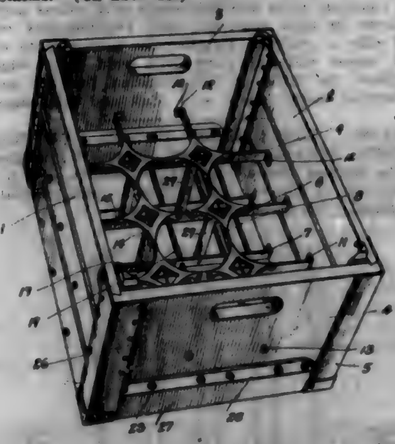
1. A tiltable support for automobile headlights comprising two substantially parallel members arranged side by side and adapted to extend across the front of an automobile, one of said members having means for securing the same to said automobile and constituting a main frame, the other of said members having means for supporting headlights near the respective ends thereof, a hinged connection between said members to permit the last mentioned member to move about a longitudinal axis with relation to the first mentioned member, and means for controlling the movement of said last mentioned member about said axis.

1,543,886. TELEPHONE SYSTEM. HUBERT S. TURNER, Brooklyn, N. Y. Original application filed Feb. 27, 1915, Serial No. 11,046, now Patent No. 1,451,896, dated Apr. 17, 1923. Divided and this application filed Feb. 10, 1923. Serial No. 618,192. 3 Claims. (Cl. 179—44.)



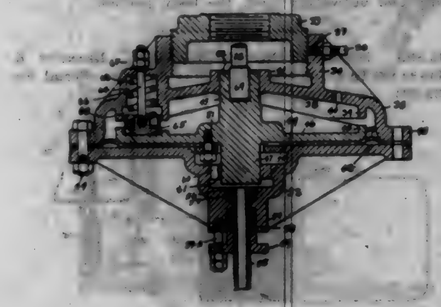
1. In a telephone system, subscribers' lines, a first and second link circuit for interconnecting said lines, an operator's telephone set associated with each of said link circuits, means responsive to the connection of said first link circuit with one of said lines for automatically connecting the operator's telephone set associated therewith with the first link circuit, means associated with said second link circuit for connecting therewith the associated operator's telephone set, a source of signaling current, and means responsive to the connection of said second link circuit with another of said lines for disconnecting the operator's telephone set from said second link circuit and connecting said current source thereto.

1,543,887. BOTTLE CASE. ANDREW L. WAGSTAFF, Kansas City, Mo., assignor to Wagstaff Box Manufacturing Company, Kansas City, Mo., a Corporation of Missouri. Filed Apr. 11, 1924. Serial No. 705,824. 5 Claims. (Cl. 217—19.)



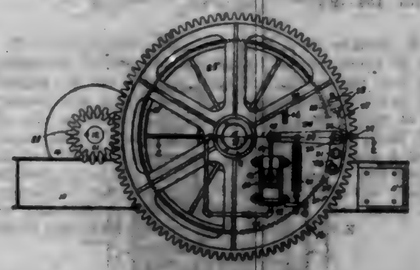
1. A bottle case comprising an outer frame and an inner frame, the outer frame having end walls and side walls, the inner frame comprising an upper deck and a lower deck connected together in spaced relation, the upper deck having longitudinal bars and transverse bars and substantially rectangular tie-plates provided with grooves to receive the longitudinal bars and transverse bars, means for rigidly fastening the grooved portions of the tie plates to the respective bars and means for removably securing the inner frame to the outer frame.

1,543,888. DIAPHRAGM AIR-FRICTION DEVICE. POWERS A. WICKES, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Nov. 13, 1923. Serial No. 674,441. 3 Claims. (Cl. 192—85.)



1. A diaphragm air friction device consisting of a cylindrical body member, a diaphragm plate slidably mounted in said body member extending almost to the side walls of said body, a diaphragm across the end of said body and resting against said plate adapted to bag between said side walls and the outside of said diaphragm plate, and a cover member adapted to clamp said diaphragm to said body and guide its end of said diaphragm plate.

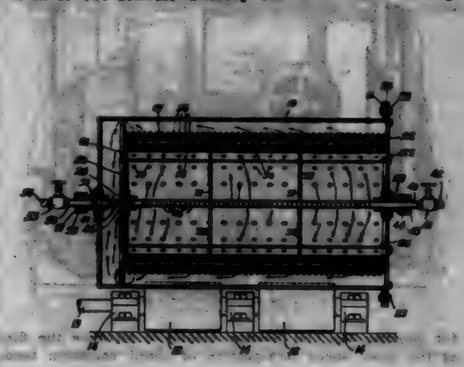
1,543,889. LOGGING ENGINE. POWERS A. WICKES, Portland, Oreg., assignor to Willamette Iron and Steel Works, Portland, Oreg. Filed Nov. 26, 1923. Serial No. 676,900. 9 Claims. (Cl. 254—187.)



1. In a logging engine, the combination of a side frame; a gear having a hub journaling in and projecting through said side frame; a shaft mounted in said gear; a drum on said shaft concentric with said gear; fluid actuated friction means between said gear and drum; a cover plate on said hub; and a swivel coupling on said hub adapted to deliver fluid through said cover plate and hub to said friction means.

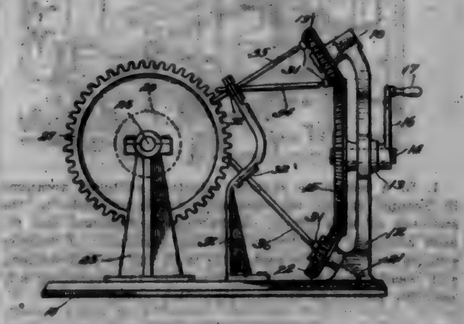
1,543,890. METHOD OF AND APPARATUS FOR VULCANIZING RUBBER. ROBERT E. WILLIAMS, Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,408. 11 Claims. (Cl. 18—53.)

11. In a vulcanizing apparatus, a rotatable oven, a foraminous reel for receiving the material to be vulcanized symmetrically positioned within said oven and rigidly secured thereto, the common axis of rotation for said oven and reel comprising a hollow conduit having a plurality of openings therethrough, means for admitting steam to the conduit whereby the steam flows through



the openings in the conduit and the foraminous portion of the reel to the material to be vulcanized, and means for rotating the oven.

1,543,891. MECHANICAL MOVEMENT AND ENGINE. JOHN C. WILLIAMS, Miami, Fla., assignor to John C. Williams Corporation, Miami, Fla., a Corporation of Florida. Filed Oct. 6, 1924. Serial No. 741,919. 10 Claims. (Cl. 74—54.)

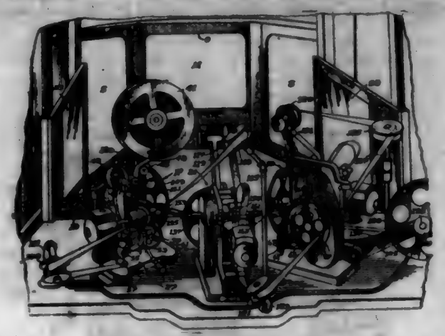


1. A mechanical movement comprising a gear wheel, a lever fulcrumed intermediate its ends with one end in engagement with the teeth of said gear wheel, and mechanism connected with the other end of said lever for moving it through a circle for correspondingly moving the first end of the lever and thereby imparting a step by step movement to the gear wheel.

1,543,892. MOTION-PICTURE-PROJECTOR APPARATUS. EUGENE KING WILLARD, Boston, Mass. Filed Feb. 2, 1923. Serial No. 616,607. 8 Claims. (Cl. 88—24.)

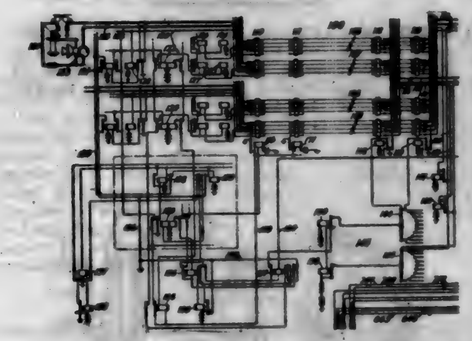
2. Apparatus of the character described comprising, in combination, a plurality of screens, projectors for throwing images on the screens, each of said projectors

having an electric motor, and means driven by the motor for feeding a film through the projector; means for guiding the film from one projector to another, and means



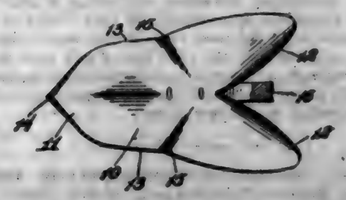
for causing the film feeding means to advance the film at the same speed irrespective of speed variation tendencies of said motors.

1,543,893. TELEPHONE SYSTEM. SAMUEL B. WILLIAMS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Mar. 31, 1923. Serial No. 629,019. 12 Claims. (Cl. 179—18.)



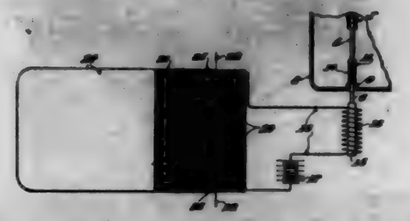
1. In a telephone system, selective switches arranged in groups, means for extending incoming calls to the switches of each group, controlling mechanisms, one for each group of switches comprising a number of register senders and a marker associable with any of said senders, and means controlled by said marker for operating any selective switch of the corresponding group.

1,543,894. DITCHING PLOW. WILLIAM F. WILSON, Tieton, Wash. Filed Sept. 2, 1924. Serial No. 735,877. 2 Claims. (Cl. 97—206.)



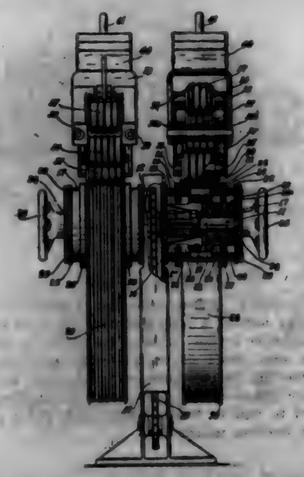
1. A ditching plow blade comprising a concaved upwardly and rearwardly inclined body portion having its concaved surface forwardly directed and a horizontally disposed point integral with the body portion and having its forward edges formed by continuation of the side edges of the body portion, the side edges of the body portion and the forward edges of the point being sharpened, the upper portion of the body formed to provide earth spreading lobes directing earth received from the body to opposite sides of the ditch, each of said lobes having its forward face concaved and extending rearwardly and outwardly from the body portion.

1,543,895. DETONATING MECHANISM. ERASTUS E. WINKLEY, Lynn, Mass. Filed May 6, 1918. Serial No. 232,991. 4 Claims. (Cl. 102—2.)



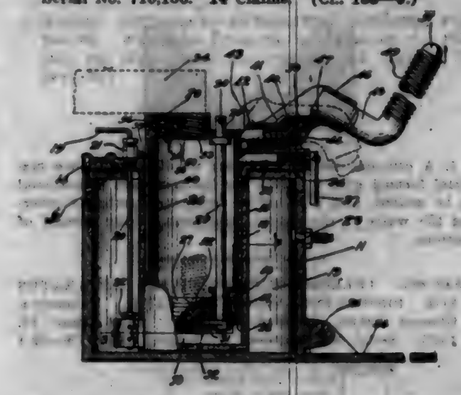
1. A detonating mechanism for vehicles comprising a hammer, means normally held in condition to actuate the hammer, and a covering member adapted for application to surfaces of the vehicle subject to the action of extraneous force, said covering member being connected with the hammer actuating means in such manner that when a normal condition of a component part of the covering member is destroyed by the action of extraneous force, the hammer actuating means is permitted to perform its hammer actuating function.

1,543,896. TIRE-BUILDING APPARATUS. GEORGE WISE, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed June 22, 1921. Serial No. 479,540. 2 Claims. (Cl. 154—9.)



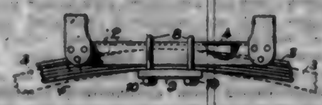
1. Tire-building apparatus comprising a projecting roller adapted to support an annular tire-support hung thereon, a pair of guide rings encircling said roller and adapted to rotate therewith and to engage the opposite sides of said tire-support to position the same, and a right-and-left threaded member for adjusting said rings from and toward each other, said member lying within the circumference of said roller.

1,543,897. PNEUMATIC-PRESSURE DEVICE. JAMES HENRY BAKER, Los Angeles, Calif., assignor to Edward Westberg, Los Angeles, Calif. Filed Apr. 30, 1924. Serial No. 710,186. 14 Claims. (Cl. 188—9.)



1. In a pneumatic pressure device, means for confining an elastic fluid under pressure, a piston within a cylinder, means for releasing a portion of said elastic fluid beneath said piston to support a load, and means permitting the utilization of said load in effecting a recompression of said elastic fluid.

1,543,898. AUTOMOTIVE-VEHICLE CROSS-SPRING SEAT. ANDREW J. BARRON, Cincinnati, Ohio, assignor, by mesne assignments, to Phoenix Horse Shoe Company, New York, N. Y., a Corporation of Illinois. Filed Feb. 17, 1923. Serial No. 619,622. 1 Claim. (Cl. 267—52.)



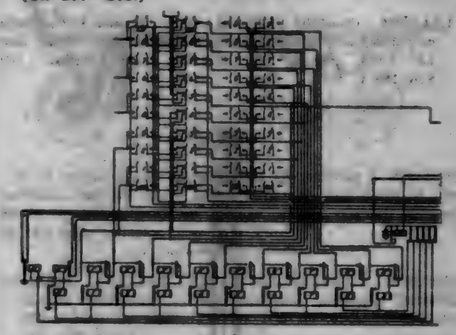
The combination with the rear cross channel of an automobile frame, of an elliptical spring seated in said channel; a bar disposed between said spring and said channel and provided with a longitudinally-curved face the arc of which is of greater radius than that of the spring and, oppositely thereto, with a flat-plane face adapted to bear against the channel and having a longitudinally-extending pocket; a pad disposed in said pocket, insuring a perfectly level bearing of the bar against the channel; and means for securing said spring and bar in assembled relation with said channel.

1,543,899. HAND TOOL. WILLIAM A. BERNARD, New Haven, Conn., assignor to The William Scheilhorn Company, New Haven, Conn. Filed Jan. 27, 1921. Serial No. 440,383. 14 Claims. (Cl. 30—24.)



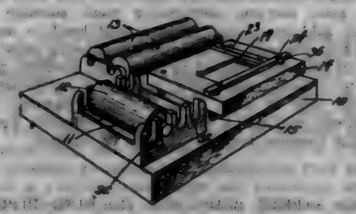
1. In a fruit clipper, a pair of pivoted lever members, two cooperating jaws operated thereby, and a stop member secured by the pivot of said lever members extending over said jaws to limit the insertion of an object between the jaws and having means thereon to limit the opening movement of the jaws.

1,543,900. TESTING SYSTEM FOR AUTOMATIC TELEPHONE SWITCHES. ARNOLD S. BERTHOLD, Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed July 28, 1922. Serial No. 653,125. 24 Claims. (Cl. 179—175.)



1. In a testing system, a testing device, an automatic switch to be tested, control circuits, means to position said switch by means of said control circuits, means to operate said testing device to test said control circuits, apparatus progressively operated during a service connection through auxiliary circuits associated with said switch, and auxiliary testing device and means to test said apparatus, said progressive operation and auxiliary circuits under the control of said auxiliary testing device.

1,543,901. LABELING DEVICE. FRANK P. BICKNELL, Denver, Colo. Filed Apr. 14, 1924. Serial No. 706,418. 4 Claims. (Cl. 216—44.)



1. A labeling device comprising in combination a base; a liquid receptacle mounted on said base; a roller mounted over said receptacle and projecting therewithin; label applying means mounted on said base adjacent said roller and other rollers mounted on said base alongside of said applying means said rollers and said applying means being so arranged that the article being labeled will travel from one to the other without being carried or lifted.

1,543,902. BEARING FOR ROTORS OF RADIO APPARATUS. EDWARD BOARD, Philadelphia, Pa. Filed July 9, 1923. Serial No. 650,253. 5 Claims. (Cl. 64—54.)



1. The combination in a bearing, of a base having two integral bearing plates at right angles to the base, one of said bearing plates having a perforation; a ball

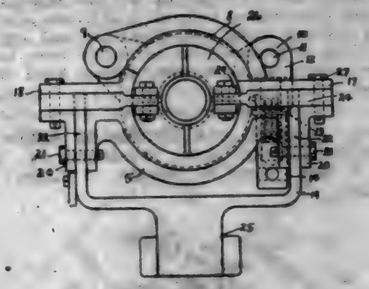
mounted between the plates and resting in the perforation; a spindle extending through the ball; and means for adjusting the plates, one in respect to the other to place more or less friction on the ball.

1,543,903. CASING PERFORATOR. HARRY S. CAMERON and JAMES S. ABERCROMBIE, Houston, Tex. Filed Jan. 13, 1923. Serial No. 612,554. 10 Claims. (Cl. 81—188.)



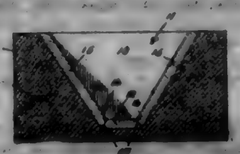
1. In a pipe perforator, an operating and supporting stem, a head thereon, perforating teeth movable outwardly in said head, means below said head to anchor said head in the pipe, a downwardly tapered expanding mandrel in said head, means to force said mandrel downwardly to extend said teeth outwardly comprising a telescoping pipe in said stem having a hammer head at the lower end and a block on said mandrel against which said hammer head is adapted to contact.

1,543,904. SAFETY SLIPS FOR HOLDING PIPE IN WELLS. ARTHUR J. CARR, Houston, Tex. Filed Oct. 22, 1923. Serial No. 669,949. 14 Claims. (Cl. 24—243.)



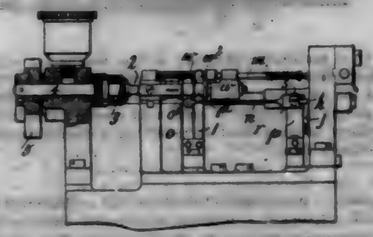
2. In a device of the character described a bushing adapted to support pipe engaging slips, one short section of which is cut longitudinally and hinged to the body of the bushing, slips in said bushing and a lever opposite said hinged section connected with said slips to raise and lower said slips simultaneously.

1,543,905. LINED CRUCIBLE. MONROE S. CRAWSON, Upper Montclair, N. J. Filed July 9, 1923. Serial No. 650,371. 5 Claims. (Cl. 204—64.)



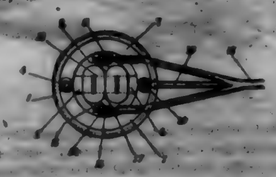
1. A crucible including a body of high resistance material formed with a cavity for the reception of material to be melted, and a lining of refractory material covering the walls of the cavity, said lining being formed of sections.

1,543,906. TELEGRAPHIC RECEIVING APPARATUS FOR PRODUCING PUNCHED TAPE. FREDERICK GEORGE CREED, Croydon, England. Filed June 18, 1923. Serial No. 646,100. 5 Claims. (Cl. 178—92.)



1. A cable receiver, adapted to reproduce as perforations in a tape, signals according to the Morse cable code, wherein there are associated with a tape feed wheel, two punches that are selectively operated under the control of non-polarized and polarized relays subject to the positive and negative impulses being received, and punch operating mechanism adapted to be connected to and discontinued from a constantly running shaft through starting and driving mechanism and comprising a punch selector, the punch operating mechanism being under the control of the non-polarized relay and the punch selector being under the control of the polarized relay, the arrangement being such that the punch operating mechanism will be brought into action to punch a hole or holes in the tape, under the control of the non-polarized relay, whenever a positive or negative impulse is received, and that the punch selector will, under the control of the polarized relay, be moved in one direction upon the reception of a positive impulse and in the opposite direction upon the reception of a negative impulse, the punch selector remaining in one or other position during the reception of successive impulses of the same polarity, substantially as described for the purpose set forth.

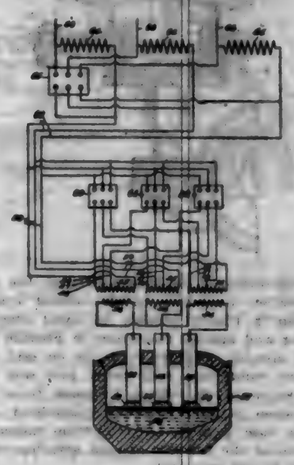
1,543,907. RECEIVER. GEORGE G. CROMARTIE, East Orange, and EINAR W. NIELSEN, Newark, N. J. Filed Aug. 22, 1923. Serial No. 659,859. 16 Claims. (Cl. 179—114.)



9. In a device of the class described including a casing, magnet, core pole pieces, diaphragm and armature piece, a winding for each of said cores, protecting

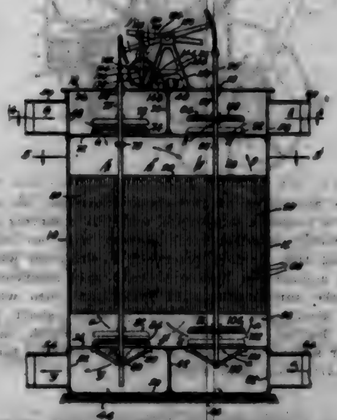
heads for the winding and means on one of the heads for attaching thereto an extremity of the winding and a cord terminal.

1,543,908. METHOD OF OPERATING ELECTRIC FURNACES. WALDEMAR DYBERGH, New York, N. Y. Filed Mar. 20, 1922. Serial No. 545,057. 14 Claims. (Cl. 204—64.)



1. The method of operating an electric arc furnace which consists in maintaining a substantially or approximately constant E. M. F. at the arc regardless of variations in the transformer voltage and varying the amperage to control the magnitude of the power input.

1,543,909. APPARATUS FOR HEATING AIR AND GASES. WALDEMAR DYBERGH, Tarrytown, N. Y. Filed Feb. 15, 1924. Serial No. 693,021. 15 Claims. (Cl. 263—19.)



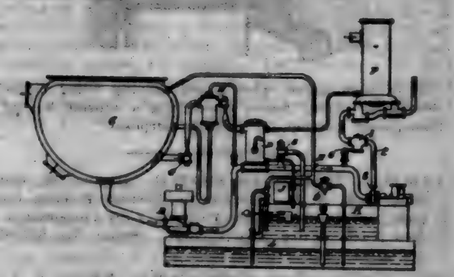
1. An apparatus of the class described comprising a plurality of chambers each having a multiplicity of heat exchanging plates therein and means for automatically passing hot gases in contact with said plates for a determined period and then passing air to be heated in contact therewith for another period.

1,543,910. TRUCK-SOCKET PLATE FOR ROLLER SKATES. GEORGE J. HART, Chicago, Ill., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill., a Corporation of Illinois. Filed July 28, 1924. Serial No. 728,679. 15 Claims. (Cl. 208—179.)



1. A roller skate truck socket comprising a flat body portion adapted to be secured to the foot-plate of the skate, and a separately formed socket portion secured to the body portion.

1,543,911. BOILER-FEED-WATER-SUPPLY SYSTEM. HARRY FOTHERGILL, Westminster, London, England. Filed Nov. 2, 1922. Serial No. 598,591. 7 Claims. (Cl. 257—24.)



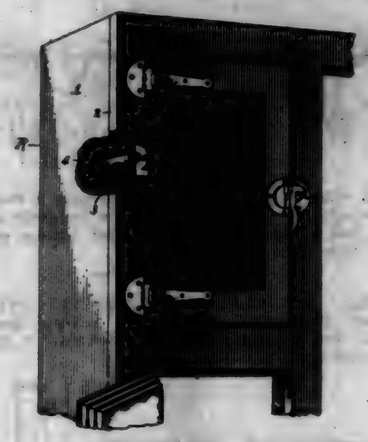
1. A steam condensing and boiler feed water system comprising a condenser, a boiler feed pump to which condensate from the condenser flows, and an automatically operating throttle valve arranged in the system on the discharge side of the feed pump, said throttle valve operating automatically to throttle the supply of water from the feed pump to the boilers if and when the pressure on the suction side of the feed pump falls below a predetermined value and to remove said throttling effect if and when said pressure rises again, whereby a substantially uniform pressure is maintained on the suction side of said feed pump.

1,543,912. DOORCHECK STRAP. JOHN R. GAMMETER, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y., a Corporation of New York. Filed Jan. 15, 1923. Serial No. 612,820. 9 Claims. (Cl. 16—82.)



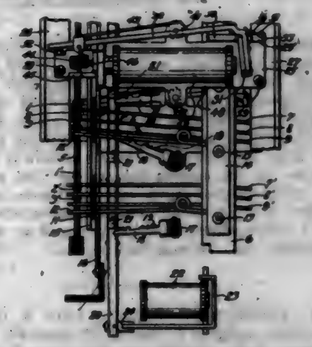
1. A door-check strap comprising a relatively-thin and wide, rubberized, fabric, foundation belt having its sides vulcanized together and looped at the end of the strap to form an eye for receiving an anchoring member, the body of the strap in at least a portion of its length being highly flexible to permit bending.

1,543,913. MEANS FOR SHOWING WALL FILLINGS. JAMES LEONARD GILLARD, Muskegon, Mich., assignor to The Alaska Refrigerator Company, Muskegon, Mich., a Corporation of Michigan. Filed Dec. 24, 1923. Serial No. 682,594. 4 Claims. (Cl. 217—36.)



1. In combination with a wall having filling material therein, a display means comprising a capsule having a transparent portion for viewing purposes.

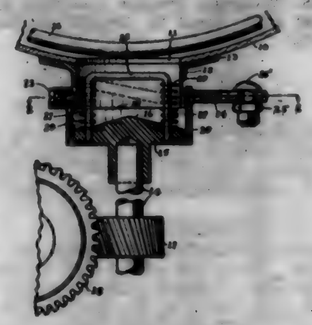
1,543,914. TELEPHONE SWITCH. HAROLD W. GOFF, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 1, 1923. Serial No. 635,903. 5 Claims. (Cl. 179—27.5.)



1. In a telephone switch structure, the combination of disengaged contacts, an operating member therefor, a plurality of plates arranged to loosely support said member, an arm fixedly arranged on said member, an armature supporting member loosely supported on one of said plates and lying in a plane substantially parallel to the length of said arm and arranged to engage said arm, and a magnet armature fixedly arranged on said supporting member for operating said operating member to cause interengagement of said contacts.

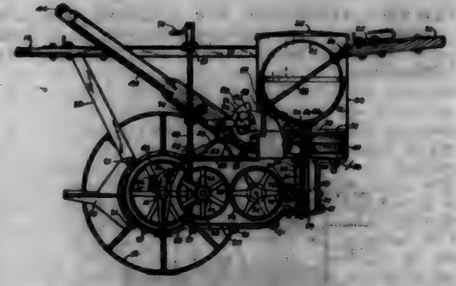
1,543,915. DUSTING APPARATUS. LEE B. GREEN, Lakewood, Ohio, assignor to The Globe Machine and Stamping Company, Cleveland, Ohio, a Corporation of Ohio. Filed Sept. 8, 1923. Serial No. 661,584. 6 Claims. (Cl. 221—120.)

1. In apparatus of the class described, the combination of a container having a discharge opening, a rotary member opposed to said opening and spaced therefrom to provide an annular opening through which the material may be discharged, a pin carried by said member and projecting into said discharge opening, and a member loosely arranged on said pin and rotatable thereon to agitate and break up the material in said discharge opening.



6. In apparatus of the class described, the combination of a container having a tubular outlet attachment in the bottom, a rotary member in axial alignment with said outlet and spaced therefrom to provide an annular discharge opening, a sleeve rotatable on said attachment, cam means connecting said sleeve and said attachment adapted to cause the sleeve to move to or from said member when rotated on said attachment, and means carried by said member and rotatable thereon arranged to run around the interior of said attachment to agitate and break up the material.

1,543,916. DUSTING APPARATUS. LEE B. GREEN, Lakewood, Ohio, assignor to The Globe Machine and Stamping Company, Cuyahoga, Ohio, a Corporation of Ohio. Filed Sept. 8, 1923. Serial No. 661,585. 3 Claims. (Cl. 43—148.)

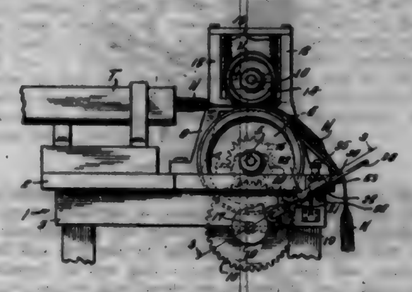


1. In apparatus of the class described, the combination of a frame, a supporting wheel, a reservoir having a substantially hemispherical bottom with an outlet, an agitating ring in said reservoir, a shaft on which said ring is mounted, a blower beneath said reservoir having an intake surrounding said outlet and into which said outlet discharges, a vertical impeller shaft for said blower having an upward extension which carries an agitator arranged in said outlet, and gearing for driving said shafts from said wheel.

1,543,917. AUTOMATIC CUTTER FOR CUTTING A TUBULAR GAUZE COVERING FOR SANITARY NAPKINS. CHRISTOPHER G. GUIGNARD, Columbia, S. C. Filed June 6, 1924. Serial No. 718,416. 1 Claim. (Cl. 164—42.)

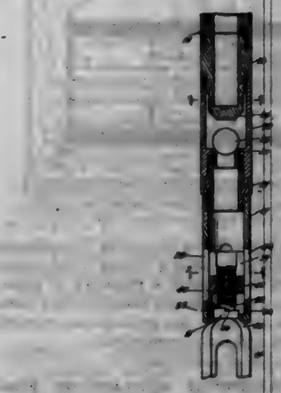
In an automatic cutter for cutting tubular gauze covering for sanitary napkins, the combination of a knife-edge, a knife fulcrumed on one end of said knife-edge

and adapted to cooperate therewith to cut the material, a spring connected with the shank of the knife to normally hold the knife in open position, cam controlled means adapted to move the knife to a closed position at regular intervals, a cam, a roller riding on said cam,



a rod connected to the hub of said cam, a sleeve in which the rod is slidably mounted, said sleeve being operatively connected to the shank of the knife, and a spring contained within the sleeve and bearing on the end of the slidable rod.

1,543,918. STANDING VALVE CONNECTION. ROBERT W. GUNN and WILLIS A. S. THOMPSON, Los Angeles, Calif. Filed Dec. 1, 1924. Serial No. 753,403. 6 Claims. (Cl. 103—180.)



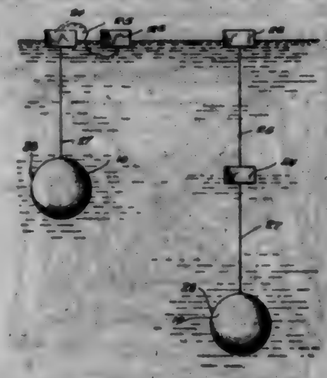
1. In combination, a plunger element and a standing valve, a threaded shank on the standing valve, a grip on the plunger element adapted to engage said shank threadably, and means adapted to prevent the grip from being threaded into binding engagement with the valve and its shank.

1,543,919. EXCELSIOR KNIFE. HARRY A. HARIGHORST, Portsmouth, Va. Filed May 4, 1923. Serial No. 636,582. 4 Claims. (Cl. 144—241.)



1. An excelsior knife having a flat inclined edge of the inclined end, and separated corrugations extending rearwardly from the forward end, cutting teeth at the forward teeth.

1,543,920. MINE. CLARENCE N. HICKMAN, New York, N. Y. Filed May 17, 1924. Serial No. 714,099. 7 Claims. (Cl. 102—8.)

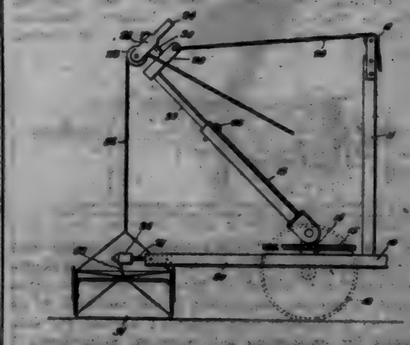


1. In combination with a member adapted to be suspended at a predetermined depth below the surface in which it is immersed, a ballast chamber, means for admitting fluid to said ballast chamber and hydrostatically controlled means for stopping the admission of fluid thereto after the member has reached a predetermined depth and means including a float adapted to prevent a further sinking of said member.

1,543,921. METALLIC ALLOY. BERT MACE HUFF, Detroit, Mich., assignor of one-third to Harold A. Arnold, Detroit, Mich., and one-third to Maurice B. Fitzgerald, Pontiac, Mich. Filed Jan. 28, 1924. Serial No. 689,149. 7 Claims. (Cl. 75—1.)

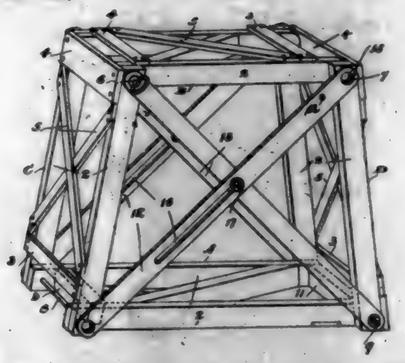
1. A metallic alloy conthining as the principal ingredient substantial amounts of cobalt, chromium and tungsten totaling not less than 70% together with relatively small amounts of manganese and silicon, the cobalt not exceeding 50%, the chromium not exceeding 35% and the tungsten not exceeding 15%.

1,543,922. PULLEY STRUCTURE FOR TRENCH-FILLING MACHINES. WALTER G. HUMPHREYS and OMAR B. HUMPHREYS, Omaha, Nebr. Filed Nov. 3, 1924. Serial No. 747,611. 3 Claims. (Cl. 37—144.)



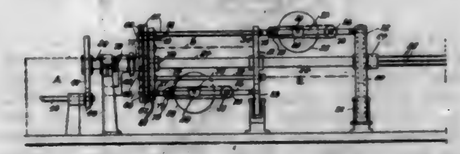
1. In a trench filling machine having an out rigger, a boom, a shovel, and cables connected to the opposite ends of the shovel, a counterweighted pulley on the outer end of the out rigger for receiving one of said cables thereover, a head on the outer end of the boom having an offset pin thereon, and a second counterweighted pulley pivotally mounted on said pin and adapted to receive the other cable thereover.

1,543,923. COLLAPSIBLE BOX OR CRATE. VICTOR THOMAS HUNTER, Bradford, Ontario, Canada. Filed Apr. 8, 1924. Serial No. 704,908. 3 Claims. (Cl. 217—47.)



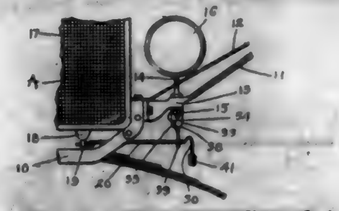
1. A structure of the class described comprising a bottom frame; a first end frame hinged at its lower end to one end of said bottom frame to straddle same; a second end frame hinged to the other end of said bottom frame to straddle same, and adapted to fold over said bottom frame; a top frame hinged at one end to the upper end of said first-mentioned end frame and within the same; a first brace at each side of said structure each hinged at its lower end to the hinging means for said second-mentioned end frame, each brace adapted to be removably coupled to the hinging means coupling said top frame to said first-mentioned end frame; a second brace located at each side of said structure; means pivoting the lower end of each of said second-mentioned brace to the lower end of said first-mentioned end frame; means adapted to couple each pair of braces together to permit of the manipulation of said first-mentioned braces through the medium of said second-mentioned braces, and a coupling device passing through the upper end of each of the said second-mentioned braces and through the overlapping ends of said second-mentioned end frame and said top frame.

1,543,924. ROPE-UNTWISTING MACHINERY. PETER BURD JAGGER, deceased, late of London, England, by Mary Pauline Jagger, executrix, London, and Thomas Clark Harding, Cleckheaton, England; said Harding assignor to Mary Pauline Jagger, London, England. Filed Jan. 11, 1924. Serial No. 685,719. 20 Claims. (Cl. 117—1.)



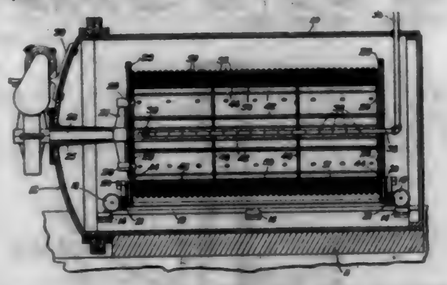
1. For the purpose of mechanically untwisting and reeling the strands of a rope or the like, or the separate wires or yarns of a strand, or group of wires or yarns of a strand, a machine comprising spools mounted so as to revolve on a common axis, gripping devices for said rope, means for untwisting said rope, a main drive, a drive for revolving said spools, a drive normally acting as a positive gear drive for rotating said spools on their own axes, a slipping component interposed in said drive of rotation, which said slipping component allows the bobbins to slow down or even stop altogether, whenever and as often as and according as the resistance to winding grows abnormal, and means for preserving horizontally of said spools.

1,543,925. RADIATOR ATTACHMENT. ROBERT S. JURGENS, St. Paul, Minn., assignor of one-half to Julius Jurgens, St. Paul, Minn. Filed Feb. 25, 1924. Serial No. 694,964. 1 Claim. (Cl. 137—139.)



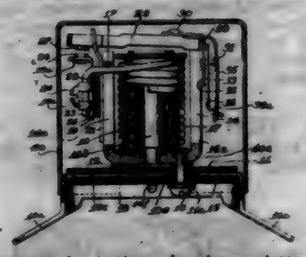
As an article of manufacture, a radiator drain pet-cock operating means comprising a rod adapted to be pivotally attached to the pet-cock, the opposite end of the rod adapted to be supported by the free end of a bracket, said rod end having a loop and an extension from said loop to receive the thumb and fingers respectively, for opening the pet-cock, and a weight at the extremity of the rod to return the pet-cock to its closed position.

1,543,926. METHOD OF VULCANIZING RUBBER AND SIMILAR MATERIALS. ARCHIE R. KEMP, Towaco, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 30, 1923. Serial No. 635,541. 11 Claims. (Cl. 18—53.)



7. The method of vulcanising a strand of vulcanisable material, which consists in forming a strand in separated convolutions of a helix arranged in a plurality of superposed layers separated by foraminous material, and passing a heating medium through the foraminous material and the spaces between adjacent convolutions.

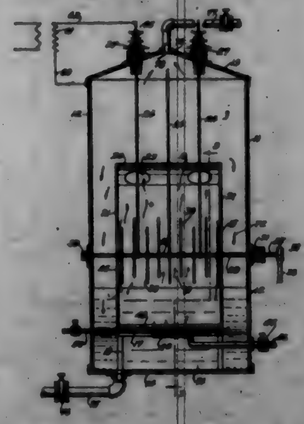
1,543,927. CUT-OUT ASSEMBLY. OTTO KRESTEN, Highland Park, Mich. Filed Oct. 14, 1921. Serial No. 507,782. 21 Claims. (Cl. 200—87.)



1. In cut-outs for battery charging systems, a magnet formation including a core-carrying member of U-shaped configuration and a pair of windings of fine and coarse wire characteristic and having a hinged armature movable to make and break the circuit through the coarse wire winding, and a support for said formation, said support comprising a cup-shaped sheet metal member having

means to permit mounting upon a generator casing, an insulating member of sheet form positioned on the outer side of the bottom of the cup, a sheet metal terminal positioned on said insulating member and in underlying relation to and in contact with said core-carrying member, said terminal having a connection with one end of the fine wire winding, and means for securing said cup member, insulating member, terminal and core-carrying member into a unitary formation, said means including a screw having its head within the cup and its shank passed through the cup, the insulating member and terminal and threaded to the core-carrying member, said screw being insulated from the cup-member.

1,543,928. ELECTRICAL DEHYDRATOR. RECTOR B. LAND, Houston, Tex., assignor to Petroleum Rectifying Company, a Corporation of California. Filed Aug. 4, 1923. Serial No. 655,694. 18 Claims. (Cl. 204—24.)



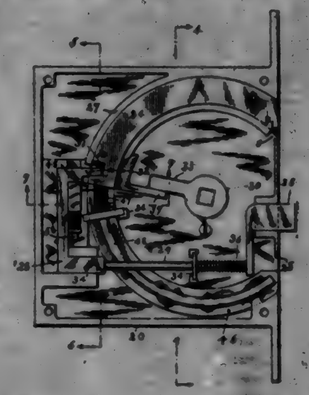
1. In a dehydrator, the combination of: a shell; a horizontal shaft extending within said shell; means for rotating said shaft; rotating flat plate electrodes mounted substantially evenly spaced along said shaft so as to rotate therewith; stationary electrodes disposed between said rotating electrodes; and means for impressing an electric potential between said stationary electrodes and said rotating electrodes.

1,543,929. DOORLOCK WITH AUTOMATIC INTERLOCKING BOLT. CLIVE W. LANPHEAR, Brooklyn, N. Y. Filed May 25, 1922. Serial No. 563,645. 29 Claims. (Cl. 70—14.)



1. A door-lock having a bolt curved on an arc of a circle, a casing having means for projecting the bolt from its face and means for retracting said bolt, a guard formed in two parts, one having a foot to secure upon the door-jamb and the other having a flange attached to the door-jamb and a plane face having apertures in the foot-piece, the foot-piece and the flange having overlapping parts provided with means for adjustment in different positions, and the packing-plates adapted to fit between the flange and the door-jamb when the said flange is adjusted as desired.

1,543,930. INTERLOCKING AUTOMATIC LOCK. CLIVE W. LANPHEAR, New York, N. Y. Filed Feb. 6, 1923. Serial No. 617,235. 62 Claims. (Cl. 70—46.)



1. The combination, with a lock having an arc-bolt movable into and out of its face, of means to project the bolt, means to hold the bolt in its projected position, means to retract the bolt, means to hold the bolt in its retracted position, and a guard having adjustable parts for varying the relative positions of the lock and guard.

62. A lock comprising a casing, a bolt movable in a curved path and carried by said casing, and a cylinder lock for actuating said bolt, said cylinder lock having the casing thereof extended into the lock casing.

1,543,931. THEATRICAL ILLUSION. HARRY ROBERT LAW, New York, N. Y. Filed Jan. 19, 1925. Serial No. 3,302. 2 Claims. (Cl. 272—10.)

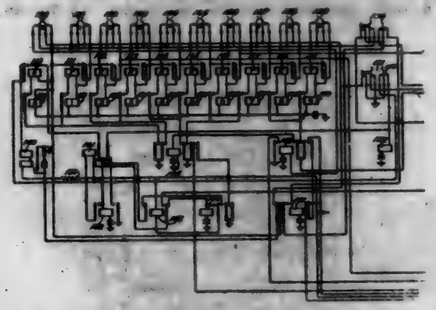


1. The method of creating the illusion that an object is being removed from a scene which consists in projecting a light upon a portion of a movable screen having a phosphorescent surface while throwing the shadow of the object thereon, removing the light and then removing the screen from the scene.

1,543,932. USE OF COLLOIDAL SULPHUR AND LATEX. CHAUNCEY C. LOOMIS, Yonkers, and HORACE B. STUMP, Brooklyn, N. Y., assignors, by mesne assignments, to The Heven Corporation, a Corporation of New York. Filed Apr. 26, 1923. Serial No. 634,902. 8 Claims. (Cl. 18—53.)

1. The process of manufacturing rubber, which comprises introducing sulphur in colloidal form into a natural latex, and subsequently vulcanising.

1,543,933. TESTING DEVICE FOR TELEPHONE-EXCHANGE SYSTEMS. ERIC R. LUNDIUS, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed May 8, 1923. Serial No. 637,417. 48 Claims. (Cl. 179—175.)

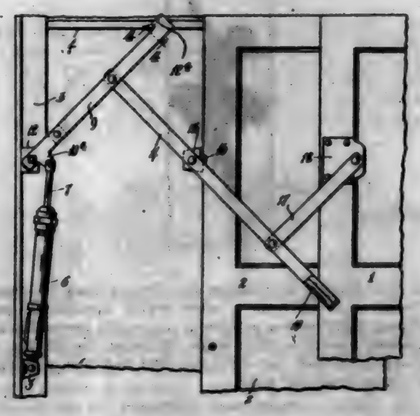


2. In a telephone exchange system, a plurality of line switches, a testing device, a plurality of automatic switches to select line switches, means to associate said testing device successively with said automatic switches, and means in said testing device for conducting tests on said line switches.

1,543,934. PREPARATION OF BAUXITE. ALMER MCDUFFIE MCAFEE, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Mar. 10, 1922, Serial No. 542,502. Renewed Apr. 29, 1925. 3 Claims. (Cl. 23—86.)

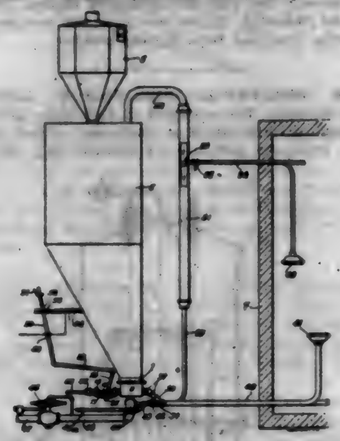
1. In the preparation of bauxite for the manufacture of aluminum chlorid therefrom the process which comprises dehydrating the bauxite at a temperature below that at which substantial shrinkage takes place and then catalytically depositing carbon in its pores.

1,543,935. ELEVATOR-DOOR CLOSER AND CHECK. OSCAR P. MCGEE, Dallas, Tex. Filed Feb. 14, 1922. Serial No. 536,464. 1 Claim. (Cl. 268—8.)



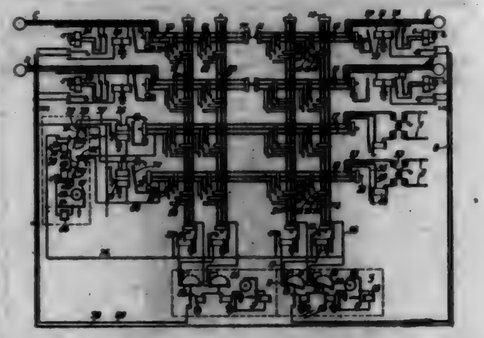
In combination with a pair of sliding doors, a fixed bracket, a bar, a pin carried by the bracket and on which the outer end of the bar is pivoted, an arm and a check bar each pivoted at their outer ends on said pin, the inner end of the check bar being pivoted to a central point on the arm, a check device connected to said check bar, a lever, means to pivotally connect the outer end of the lever to said first bar and to connect the inner end of said arm to the lever and first bar, means to pivotally connect said lever at an intermediate point to one of the doors, and a bar pivoted at one end to the other door and pivoted at its opposite end to the lever between the intermediate pivot of the lever and the opposite end of the lever.

1,543,936. PULVERIZED-COAL FEEDER. ARCHIBALD S. MCMILLAN, St. Louis, Mo., and GEORGE W. WHIPPLE, Cherryvale, Kans. Filed Oct. 21, 1921. Serial No. 509,358. 1 Claim. (Cl. 110—104.)



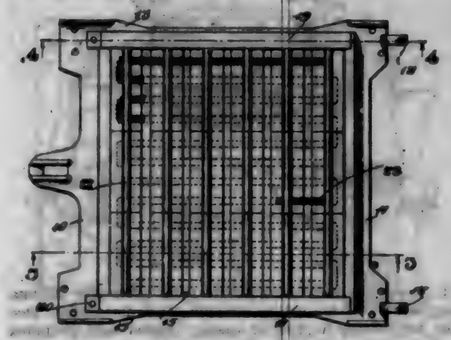
The combination with a feed hopper and a furnace of means below the hopper for creating a suction to withdraw pulverized fuel from the bottom of said hopper, a substantially horizontal feed nozzle movable longitudinally to control the volume of fuel withdrawn by suction from the hopper and means for supplying an auxiliary stream of air at a pressure slightly greater than that of atmosphere to assist the furnace draft in drawing the fuel thereto and to promote combustion.

1,543,937. AUTOMATIC TELEPHONE-EXCHANGE SYSTEM. JAMES L. MCQUARRIE, New York, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Nov. 28, 1921. Serial No. 518,326. 13 Claims. (Cl. 179—18.)



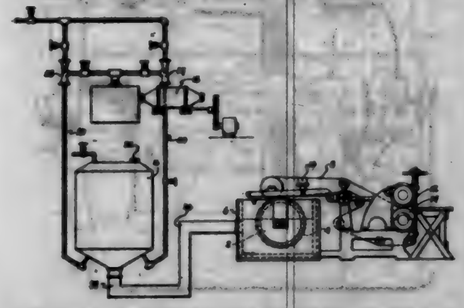
1. In a switching system, a unitary switching apparatus comprising sets of incoming line conductors, sets of link conductors primarily accessible from said sets of incoming conductors, sets of outgoing conductors, means for preselecting an idle set of link conductors, means for preselecting an idle set of outgoing conductors, and means for connecting any set of incoming line conductors with an idle one of any of said sets of outgoing conductors through an idle set of link conductors.

1,543,938. ELECTRIC-STOVE HEATER ELEMENT. ROBERT H. MACINNES, Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Filed Feb. 9, 1925. Serial No. 7,904. 8 Claims. (Cl. 219—37.)



1. In a device of the kind described, a supporting plate having slots extending inwardly from its edge, and heating element supporting bars each having a base provided with channels in its side edges to receive the edges of the plate at the side of the slots, said bars being engaged in said slots.

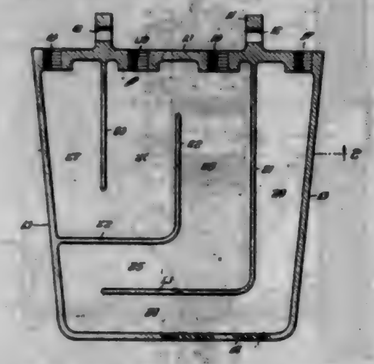
1,543,939. PROCESS OF TREATING SEWAGE. ANGUS MACLACHLAN, Perth Amboy, N. J., assignor to Maclachlan Reduction Process Co., New York, N. Y., a Corporation of Delaware. Filed Mar. 11, 1922. Serial No. 543,108. 13 Claims. (Cl. 71—8.)



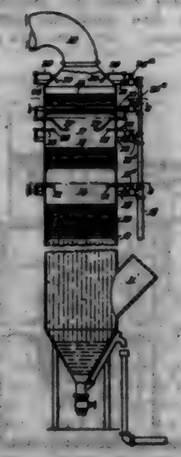
1. The process of treating sewage, which consists in separating the sludge therefrom, sterilising the sludge, and then gathering the solid contents of the sludge upon a sheet-forming screen, removing the sheet from the screen and squeezing the water therefrom.

1,543,940. WATER-COOLED BOSH PLATE. WALTHER MATHESIUS, Chicago, Ill. Filed July 19, 1920. Serial No. 397,430. 1 Claim. (Cl. 122—6.)

A bosh plate comprising a substantially rectangular box tapered from its outer end to its inner end and having a back wall provided with a water inlet at one end thereof and a water outlet at the opposite end of the back wall, said back wall also being provided with intermediate plugged openings, a baffle plate leading from the back wall and terminating short of the opposite wall and located between the inlet opening and the adjacent plugged opening, said baffle having a terminal extension disposed at substantially right angles to the baffle and leading towards the opposite side of the bosh plate, a second baffle plate leading from the back wall and disposed between the outlet opening and the adjacent intermediate opening, and a transverse baffle disposed between the second mentioned baffle and the extension of the first mentioned baffle and leading from one of the side walls of the bosh plate, said transverse baffle having a terminal extension disposed at substantially right angles thereto and lying opposite the interval between the plugged openings, said baffles defining a continuous undivided and unobstructed water passage from the inlet opening to the outlet opening and occupying the entire interior area of the bosh plate, said water passage being of substantially uniform cross sectional area throughout its length.



1,543,941. APPARATUS FOR CLEANING GAS. WALTHER MATHESIUS, Chicago, Ill. Filed June 5, 1922. Serial No. 566,091. 9 Claims. (Cl. 261—111.)

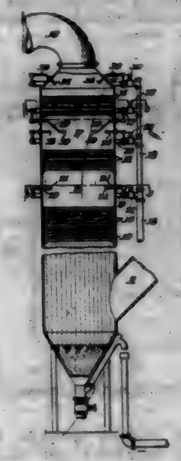


1. In combination, a gas washer comprising a gas container having a gas inlet and a gas outlet, and spraying means adapted to spray a liquid for forming a vortex of cleansing liquid in said container extending across its entire cross-sectional area whereby all of the gas passing through the container is subjected to the washing action of the vortex.

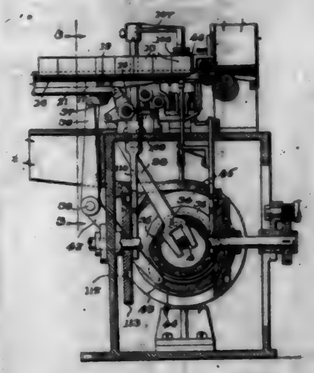
1,543,942. METHOD FOR CLEANING GAS. WALTHER MATHESIUS, Chicago, Ill. Filed June 5, 1922. Serial No. 566,092. 8 Claims. (Cl. 183—121.)

1. In the method of cleaning gas which consists in conducting the gas through a container and causing the

entire body of gas to pass through a whirling vortex of cleansing fluid, the said vortex extending over the entire cross sectional area of said container in a predetermined plane, the cross-sectional area being substantially unobstructed in such plane.

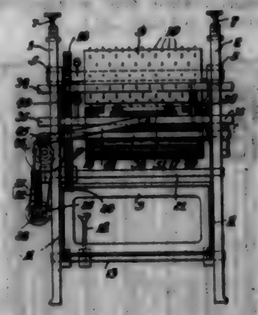


1,543,943. CONVEYER. MICHAEL J. MILMOE, Chicago, Ill., assignor to F. B. Redington Company, Chicago, Ill., a Corporation of Illinois. Original application filed Mar. 31, 1919, Serial No. 286,345. Divided and this application filed Sept. 15, 1920. Serial No. 410,400¼. 6 Claims. (Cl. 198—219.)



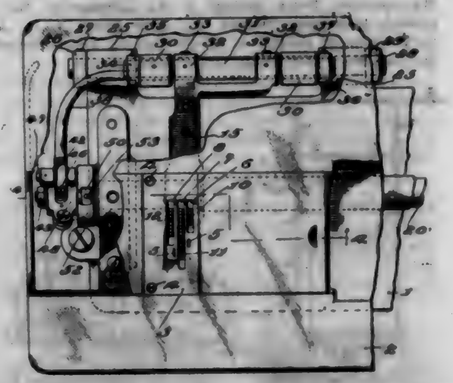
1. In combination, an elongated support for articles to be fed, an abutment member for engaging an article at the end of a series upon said support, means for shifting said support into and out of engagement with said articles, and means for moving said support in the direction of said abutment member while the articles are engaged by said support the movement of said support toward said abutment serving to grip the endmost article between said abutment and the next adjacent article to support said endmost article when said elongated support is shifted out of engagement with said endmost article.

1,543,944. TIRE-FABRIC-STRIPPING MACHINE. HARRIET B. MITCHELL, Detroit, Mich. Filed Feb. 26, 1924. Serial No. 695,842. 4 Claims. (Cl. 154—8.)



1. Means for recovering fabric from outer tire casings, comprising a reciprocatory stripping instrumentality, feed rolls for forcing a piece of casing against said stripping instrumentality, and means adapted for simultaneously revolving said rolls and reciprocating said stripping instrumentality.

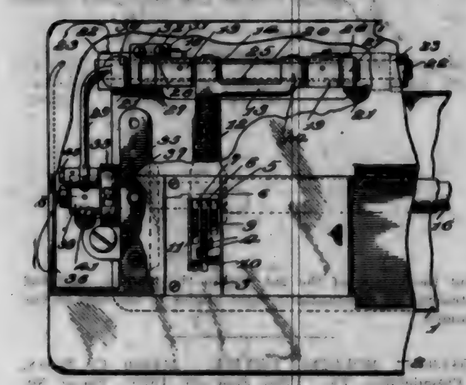
1,543,945. FEEDING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1921. Serial No. 462,571. 9 Claims. (Cl. 112—210.)



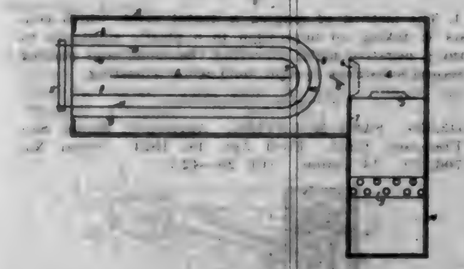
1. A feeding mechanism for sewing machines including in combination a work support having feed slots therein, a feed dog mounted beneath the work support and having fabric engaging sections extending through said slots, means for raising and lowering the feed dog, means for moving the feed dog back and forth, said last named means including adjustable devices for varying the working position of the fabric engaging sections of the feed dog without changing the length of the feed stroke, whereby the same may be centered longitudinally of the respective slots in which said sections operate.

1,543,946. FEEDING MECHANISM FOR SEWING MACHINES. JAMES R. MOFFATT, Chicago, Ill., assignor to Union Special Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Apr. 19, 1921. Serial No. 462,572. 4 Claims. (Cl. 112—210.)

1. In a sewing machine, the combination of a work support having feed slots and a feeding mechanism including a feed dog having fabric engaging sections working in said slots, a feed bar to which said feed dog is attached, means for raising and lowering said feed bar, a feed rocker to which said bar is connected, an arm, means for connecting said arm to the feed rocker, and means for oscillating the arm for imparting feed movements to the feed dog, said connecting means for the arm and rocker being such as to permit the working position of the feed rocker to be shifted forwardly or rearwardly for centering the feed dog lengthwise of the feed slots, the length of the stroke remaining the same.



1,543,947. APPARATUS FOR THE DEHYDRATION OF VEGETABLE PRODUCE. CHARLES C. MOORE, San Francisco, Calif. Filed Aug. 13, 1923. Serial No. 657,204. 13 Claims. (Cl. 34—46.)

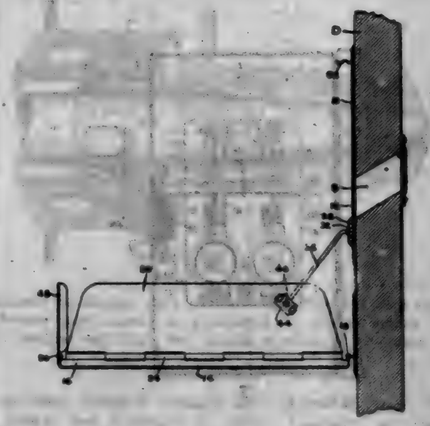


1. In a dehydration apparatus, the combination of plural enclosures adapted to receive produce to be dried therein, an air passage common to the said enclosures, means for sending air under pressure through the said air passage and on through the said enclosures, an air passage for returning the air to the intake of the said means for sending air under pressure, and means for moving the same produce that is being dried toward the passing air in one of the said enclosures and in the direction of the passing air in another of the said enclosures.

1,543,948. PROCESS OF PRODUCING FRUIT CAKES. CHARLES C. MOORE, San Francisco, Calif. Filed Feb. 2, 1924. Serial No. 690,307. 4 Claims. (Cl. 99—11.)

1. The process of treating commercially died prunes which comprises removing the pod and comminuting the meat substance of the prune, shaping the comminuted substance into cakes, and subjecting the cakes to a drying temperature that is below the inversion point of fruit sugars until the cakes are substantially dry.

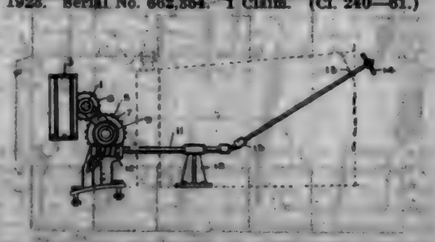
1,543,949. FOLDING MAIL BOX. ADOLPH W. OLSON, Mahnomen, Minn. Filed May 7, 1924. Serial No. 711,902. 5 Claims. (Cl. 232—17.)



1. A folding mail-box comprising a bottom member, means for hingedly attaching said bottom member at one end to a door having a slot therein, side walls movably attached to said bottom member, means for causing said side walls to assume an upwardly-projecting position when the device is unfolded and whereby said side walls assume a depressed position when the device is swung up over said slot, and an end wall attached to the free end of said bottom member.

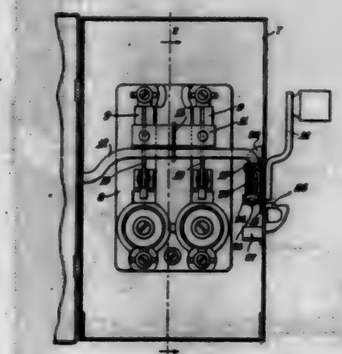
1,543,950. [WITHDRAWN.]

1,543,951. AUTOMOBILE HEADLIGHT. GEORGE PIERCE, Montreal, Quebec, Canada. Filed Sept. 12, 1923. Serial No. 662,354. 1 Claim. (Cl. 240—61.)



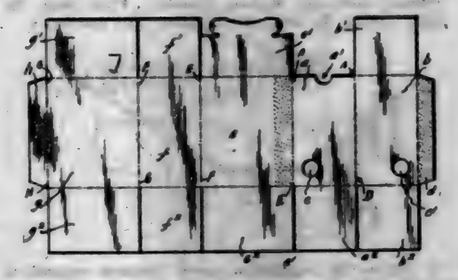
In automobile headlights spaced brackets secured to the frame of the machine and having inclined upper portions and provided at the ends of the same with upper and lower bearings, upper and lower transverse shafts mounted in the said bearings and located in advance of the engine hood, lamps mounted upon the upper transverse shaft, intermeshing gears fixed to the shafts, a worm wheel located at one end of the lower transverse shaft and connected therewith, adjacent one of the said brackets, and operating shaft composed of a horizontal front portion and an inclined rear portion and provided with a connecting universal joint the horizontal front portion of the operating shaft being mounted below the worm wheel in the adjacent bracket, a worm mounted upon the said horizontal portion of the operating shaft and meshing with the worm wheel and adapted to be rotated by the operating shaft to partially rotate the said transverse shafts and tilt the lamps from an upright position and return them to said position.

1,543,952. ELECTRIC SWITCH. CLARENCE D. PLATT, Bridgeport, Conn. Filed Jan. 10, 1925. Serial No. 1,560. 7 Claims. (Cl. 200—73.)



1. A safety switch comprising a casing, a knife blade switch mounted therein, an oscillating crank connected to the switch blades, an oscillating plate operator having spaced-apart projections for engaging opposite sides of one arm of said crank, a spring, and means for connecting said crank arm to said plate to compress said spring when the plate is being operated to open the switch.

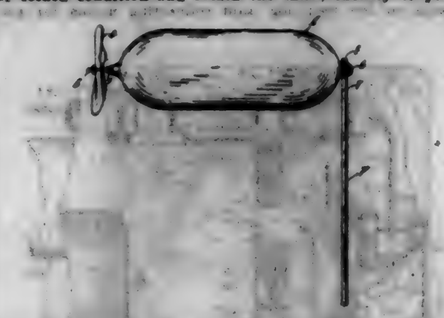
1,543,953. CARTON. DAVID THEODORE ROTHSCHILD, Portland, Oreg. Filed May 18, 1922. Serial No. 562,007. 2 Claims. (Cl. 229—17.)



1. A carton, made of a single sheet of cardboard, comprising a plurality of adjacent sections foldable on parallel lines to form the sides of the carton, one of the outer sections being folded inward against the inner face of the adjacent section so as to overlie the latter and form therewith a slideway, the last mentioned sections being provided with coinciding apertures, and an imperforate slide for closing said apertures.

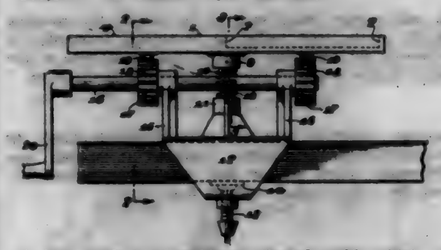
1,543,954. TOY BALLOON. JOHN W. SHIMA, Ravenna, Ohio, assignor to The Oak Rubber Company, Ravenna, Ohio, a Corporation of Ohio. Filed Aug. 19, 1922. Serial No. 582,842. 2 Claims. (Cl. 46—37.)

1. In a toy balloon construction, the combination with a bladder having an inflating neck and a handle in the form of a rod provided with a slot at one end thereof which is adapted to receive said inflating neck in twisted or folded condition and retain the same, thereby to pre-



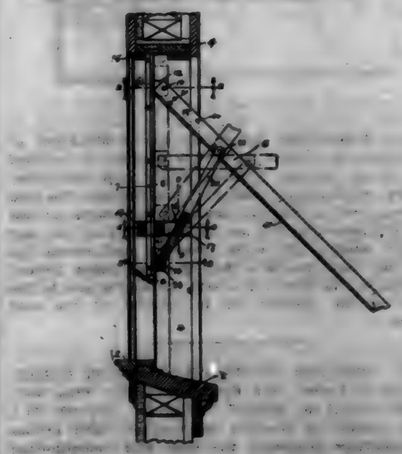
vent the escape of the gas within the bladder, said rod extending at substantially right angles to the axis of the bladder.

1,543,955. MOLDING DEVICE. ALFRED C. SLOAN, Philadelphia, Pa. Filed June 24, 1920. Serial No. 391,414. 12 Claims. (Cl. 22—45.)



1. The method of making a dental mold, which consists in taking an impression in a plastic substance to form a negative mold, vibrating the mold, and placing a second substance in said mold while vibrating.

1,543,956. SASH MOUNTING. ARTHUR C. SOCIA, San Francisco, Calif. Filed Apr. 14, 1924. Serial No. 706,259. 14 Claims. (Cl. 20—42.)



1. A window construction comprising a frame; guides on opposite sides thereof; slide shoes engaging said guides; a sash in said frame pivotally connected at corresponding points on opposite sides to the slide shoes;

means pivotally connected at corresponding points to the opposite sides of said sash and slidably and pivotally related to said guides, for supporting the sash; support guides on opposite sides of said window frame; and slide shoes pivoted to said sash supporting means and slidably confined in said support guides.

1,543,957. TRELLISING HOOK. EDWARD STEINER, Auburn, Wash. Filed Mar. 27, 1924. Serial No. 702,178. 1 Claim. (Cl. 47—47.)



A device of the class described comprising double hook-shaped members attached to and extending from a main stem, each hook-shaped member embodying two hooks formed of one piece of material having its central portion connected to the main stem by twisting both the hook-shaped member and the stem; and suitable means at the ends of the main stem for attaching it to other supporting means.

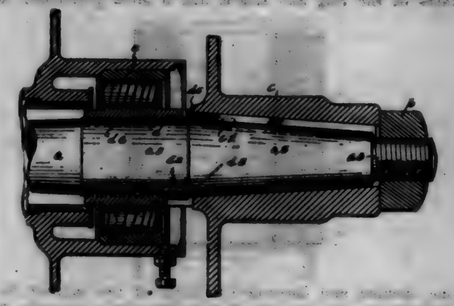
1,543,958. TRAILER FOR VEHICLES. BENJAMIN DAVID SUTHERLAND and WILLIAM ERNEST SAMUEL, Llanelly, Wales. Filed Mar. 20, 1924. Serial No. 700,705. 3 Claims. (Cl. 280—151.)



1. A trailer having in combination, a chassis, a casing carried by the chassis, a driving shaft adapted to be rotated by a crank handle, a counter-shaft, and a sliding intermediate shaft mounted in bearings in the casing, toothed gearing adapted to connect the three said shafts, two grooves in the intermediate shaft, a pivoted plate adapted to engage with either groove in the intermediate shaft, a handle on the intermediate shaft, a chain wheel on the counter-shaft, rear carrying wheels for the trailer, a chain wheel fixed to a rear carrying wheel, and a chain connecting the two chain wheels, substantially as set forth.

1,543,959. SLEEVE FOR BEARINGS. HORACE T. THOMAS, Lansing, Mich. Filed Nov. 4, 1921. Serial No. 512,716. 6 Claims. (Cl. 308—236.)

1. The combination of an axle having the cylindrical portion a^2 and the conical portion a^3 coaxial with each other, and a sleeve adapted to fit upon said cylindrical portion of the axle and having an end of lesser diameter



adapted to engage upon the conical portion of said axle whereby said sleeve is positioned by the co-action of its smaller end and the conical portion of the axle.

1,543,960. INSECT GUARD AND MUZZLE. JOHN R. TOBIN and CHARLES J. TOBIN, Langford, S. Dak. Filed Oct. 14, 1924. Serial No. 743,560. 1 Claim. (Cl. 54—80.)



A device for protecting the mouths of animals from attacks of insects including a single piece of flexible material having a bottom and imperforate side walls, and a rigid front wall meeting the side and bottom walls at approximately right angles and having a single horizontal line of saliva escape openings formed through and extending longitudinally of the lower portion thereof, said bottom wall having saliva escape openings adjacent the front wall.

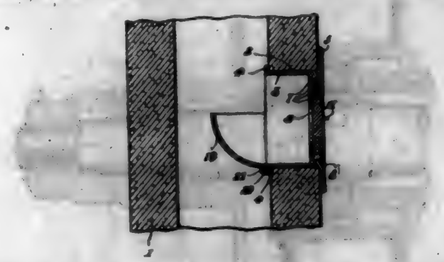
1,543,961. REAGENT. GERRIT JOHN VAN ZOMEREN and EDWARD JOHN DE PEMA, Holland, Mich. Filed May 7, 1923. Serial No. 637,266. 8 Claims. (Cl. 23—230.)

4. As a new product, a dry, non-hygroscopic and water-soluble reagent made up of copper sulphate and other ingredients which may be brought together into an intimate physical mixture without causing decomposition of the copper sulphate in the presence of atmospheric air; said reagent, when dissolved in the proper amount of water, forming a solution reacting similarly to Fehling's solution and useful for the same purposes.

1,543,962. COMBINED FLUE STOPPER AND STOVE-PIPE SUPPORT. JOHN WALENTOWIC, Verona, Pa., assignor of one-half to Stephen Mack, Oakmont, Pa. Filed June 30, 1923. Serial No. 648,811. 1 Claim. (Cl. 126—319.)

In a stove pipe support and flue stopper, a support embodying a sleeve, and flanges carried by the sleeve with a wall of the chimney construction positioned between the end flanges for anchoring the sleeve in position and a plurality of interlocking rings removably mounted in one end of the sleeve, the connection between the outer ring and sleeve including registering

openings in the adjacent contacting faces of the ring and sleeve with the openings bounded by the opposite faces of the ring and sleeve, and a latch positioned in



one opening and operable exteriorly of the support for partially moving the latch into the other opening to lock the rings in the sleeve.

1,543,963. METALLIC PACKING. JULIAN N. WALTON, New York, N. Y., assignor to Crane Packing Company, Chicago, Ill., a Corporation of Illinois. Filed July 25, 1923. Serial No. 653,673. 4 Claims. (Cl. 288—1.)

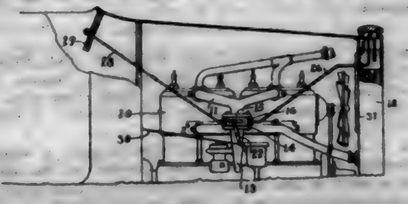


1. A metallic packing ring formed of coaxial substantially cylindrical layers of metal deformed to a substantially continuous ring having smooth walls and an internal plaited structure presenting interfitting folds affording easy further endwise compressibility in use and inward and outward radial expansibility.

1,543,964. METHOD OF TREATING CANNED GOODS. HARVEY P. WELLMAN, San Francisco, Calif., assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif., a Corporation of California. Filed Nov. 24, 1924. Serial No. 751,831. 5 Claims. (Cl. 99—8.)

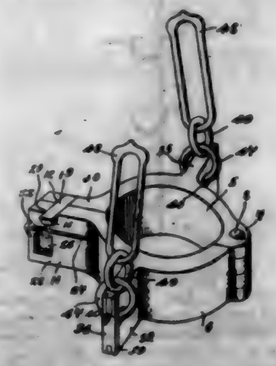
5. In the treatment of canned goods involving a continuous procession of individual and individually rolling containers, through a treating path, the method of treating goods in containers unadapted for such rolling procession in said path which consists in initially placing said unadapted containers in temporary incasements adapted for such rolling procession in said path; passing said adapted incasements in continuous procession of rolling individuals through said path; and removing the containers from the incasements after passing through said path.

1,543,965. FUEL DEVICE FOR MOTORS. HARRY G. WHYMOUTH, Cleveland, Ohio. Filed Aug. 1, 1921. Serial No. 489,044. 2 Claims. (Cl. 123—25.)



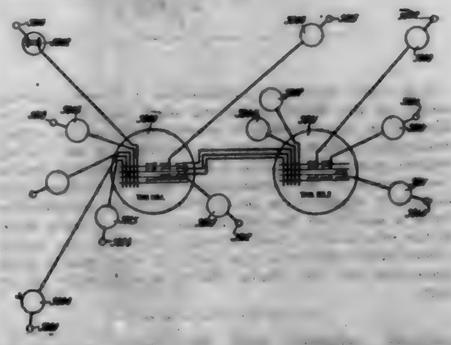
1. The combination of a motor vehicle radiator, an internal combustion engine, an intake conduit for said engine, a throttle valve for said intake conduit, controlling means for said valve, said radiator having an open overflow pipe connected with the upper part thereof provided with a return bend at the top so that air supplied therethrough will be delivered into the water in the radiator, a conduit independent of said overflow pipe extending from the space in said radiator, above the water level, to said intake conduit for supplying moist air to the latter, and a valve for controlling said second-mentioned conduit operatively connected with said throttle valve so as to be automatically controlled thereby.

1,543,966. ELEVATOR. CLINTON FRANK WILLIAMS, Tonkawa, Okla., assignor of one-half to W. J. Beaven, Tonkawa, Okla. Filed Jan. 21, 1924. Serial No. 687,580. 3 Claims. (Cl. 294—90.)



1. An elevator comprising a pair of hingedly connected sections having their terminals formed with flat extensions, a latch pivoted to one of the extensions and having its under side formed with a depending lug, one of said extensions being provided with a socket to receive said lug, a hand contact member pivotally carried by one of said extensions and having a crank to engage said latch to move the same to releasing position.

1,543,967. TELEPHONE-EXCHANGE SYSTEM. SAMUEL B. WILLIAMS, Brooklyn, N. Y., and EARL S. GIBSON, Ridgewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed June 12, 1923. Serial No. 645,011. 21 Claims. (Cl. 179—18.)



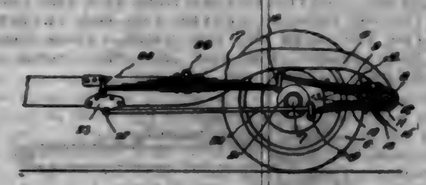
1. The combination in a telephone system having offices and means for extending a connection involving a number of said offices, of means for storing in one of said offices a record pertaining to said connection, means for transferring said record directly through one of said offices to another of said offices, and means in said last office for receiving said record to control the extension of said connection.

1,543,968. COMBINATION INSECT TRAP AND BAIT BUCKET. SION H. WILLIAMS and CARLOS O. NEELY, Hornbeak, Tenn. Filed Dec. 11, 1922. Serial No. 606,246. 3 Claims. (Cl. 43—56.)



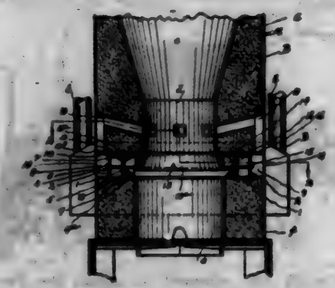
1. A device of the class described comprising a container, a removable bottom detachably connected with the wall of said container and having an entrance passage, means for connecting said container and bottom, said bottom being removable by turning said bottom relative to said container and radial ribs on the lower side of said bottom defining other entrance passages leading to the first named passage, said ribs having the additional function of handles for turning the bottom to disconnect it from said container.

1,543,969. CANTILEVER-SPRING CONSTRUCTION. NOEL YOUNG, Noblesville, Ind. Filed Dec. 26, 1923. Serial No. 682,723. 1 Claim. (Cl. 267—41.)



A vehicle spring structure comprising a rod pivoted at one end to the frame of the vehicle and disposed transversely of the axle bearer, a clip connected with the rod at a point between its ends and passing around the axle, a leaf spring bent upon itself and pivotally connected at the bend with the frame of the vehicle, one end portion of said spring extending toward the rod and connected with the rod at a point at one side of the axle, the other end portion of the spring being disposed transversely of the axle, and a leaf spring pivoted upon the body of the vehicle and having one end pivotally connected with that end portion of the first mentioned spring which is disposed transversely across the axle, and the other end portion of the second mentioned spring being pivotally connected with the frame at a point above the point of pivotal connection of the rod with the frame.

1,543,970. FURNACE CONSTRUCTION. FRANCIS J. ZIPPLER, Avalon, Pa. Filed June 27, 1924. Serial No. 723,766. 11 Claims. (Cl. 110—72.)



1. A furnace provided with an annular air passage, means for supplying air under pressure to said passage, the air passage having an inner wall extending from the top of the passage, the lower edge of said inner wall being spaced above the bottom of the passage, and a plurality of closure members supported between the inner and outer walls of the passage and extending across said passage, said members being arranged in spaced relation and forming twyer openings establishing communication between the air passage and the interior of the furnace.

1,543,971. TIRE FOR MINE-LOCOMOTIVE WHEELS. JAMES N. ABBOTT, Christopher, Ky. Filed Apr. 18, 1925. Serial No. 12,893. 1 Claim. (Cl. 295—15.)

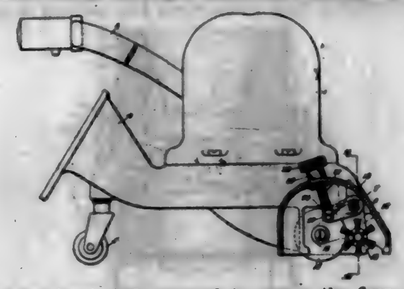


In a wheel for mine locomotives the combination of a wheel base of soft iron of a comparatively soft degree having a rim of a predetermined diameter and extending from side to side of said base; a metal tire portion of medium hardness, having an external surface of a predetermined diameter and an internal surface also extending from side to side of said base and of a diameter to frictionally engage said rim when shrunk thereon; an annular hardened steel tread portion having a surface of a predetermined internal diameter to frictionally engage the external surface of said tire portion when shrunk thereon; and means integral with said tire portion to position said tread portion thereon and form the flange of the assembled wheel.

1,543,972. NOZZLE AND BRUSH ADJUSTING DEVICE. THOMAS O. ADAMS, New Philadelphia, Ohio, assignor to The Wise-McClung Manufacturing Company, New Philadelphia, Ohio, a Corporation of Ohio. Filed Nov. 23, 1921. Serial No. 517,905. 4 Claims. (Cl. 15—6.)

1. In a vacuum cleaner including a case provided with a nozzle, a rock shaft within the nozzle, a brush ec-

centrically suspended from the rock shaft, a pair of wheels eccentrically suspended from the rock shaft at the same side of the rock shaft as the brush and spaced



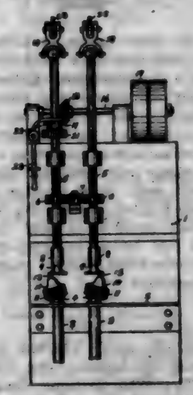
from the brush and arranged to engage the floor, and means for rocking said shaft to adjust the brush within the nozzle and to adjust the nozzle with reference to the floor.

1,543,973. ILLUMINATED INSTRUMENT. CHARLES E. ADAMS and FLOYD J. METZGER, New York, N. Y., assignors to Air Reduction Company, Incorporated, a Corporation of New York. Filed May 23, 1922. Serial No. 562,976. 4 Claims. (Cl. 240—2.)



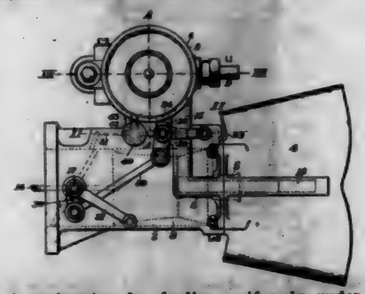
1. In an illuminated instrument the combination of light-transmitting indicating means, a scale behind the indicating means, a glow vessel disposed between the scale and indicating means and means for delivering high tension current to the glow vessel.

1,543,974. LAPPING AND GRINDING MACHINE. HERMAN E. BARNES, Houston, Tex. Filed July 17, 1923. Serial No. 652,051. 1 Claim. (Cl. 51—119.)



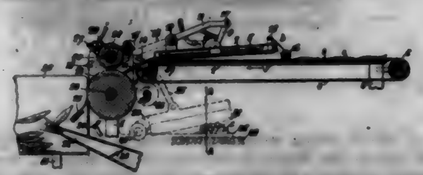
A machine for grinding a spherical surface upon a metallic head comprising in combination a rotary shaft, means for detachably but rigidly securing an article having a head upon which said surface is to be ground, with the axis of said head axially in line with said shaft, a crank on the end of said shaft and a cup having an hemispherical, internal or concave surface, the counterpart of that desired to be formed, mounted loosely by a universal joint upon the free end of said crank and adapted to be engaged and be guided by said article and caused to have a free rotary motion about an axis of the cup intersecting said joint, as well as gyratory motion of said axis produced by the crank, the radius of the crank and the angle of the axis of the cup being such that the edge of the cup constantly intersects a diameter of the head at right angles to the common axis of the work and the shaft.

1,543,975. CARBURETOR. FRANÇOIS BAVEREY, Lyon, France, assignor to Societe du Carburateur Zenith, Lyon, France. Filed Oct. 29, 1918. Serial No. 260,100. 7 Claims. (Cl. 261—121.)



1. A carburetor for feeding uniformly under various degrees of inclination, comprising a constant level chamber, means for maintaining a constant level of fuel therein irrespective of the inclination of the carburetor, a mixing chamber having its longitudinal axis lying in a plane parallel to the longitudinal axis of the vehicle carrying the carburetor, a plurality of atmospheric wells fed from the constant level chamber and communicating with a single common fuel inlet passage, said wells being on opposite sides or adjacent a vertical plane perpendicular to the longitudinal axis of the mixing chamber and extending substantially through the middle of the constant level chamber, substantially as described.

1,543,976. CONTINUOUS MACHINE FOR THE IRONING OF TOBACCO LEAVES AND FOR FLATTENING THE RIBS OF THE SAME. EMILE BELOT, Paris, France. Filed Dec. 27, 1923. Serial No. 683,043. 6 Claims. (Cl. 131—58.)

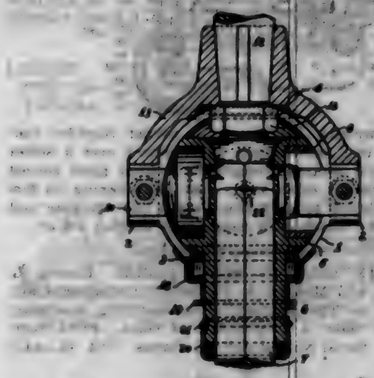


1. In an apparatus for the ironing of tobacco leaves and for flattening the ribs of the same, the combination of means for heating the said leaves which have been previously slightly moistened, means for flattening the same and means for rapidly cooling them when leaving the said flattening means.

1,543,977. UNIVERSAL COUPLING. JAMES F. BEMISS, Brooklyn, N. Y. Filed June 1, 1922. Serial No. 565,151. 18 Claims. (Cl. 64—21.)

1. A universal joint, comprising, in combination, a pair of complementary shell forming members each having a pair of laterally extending channel portions adapted to

form when assembled a pair of openings in the wall of the shell, a ball member adapted to be enclosed within said shell and movable angularly with relation to the axis of the shell, a pair of pivot members carried by said ball member adjacent to said openings, a pair of



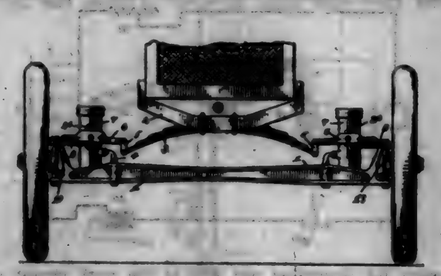
keys removably carried in said openings and extending into said pivot members, said ball member being movable relatively to said keys in a plane transverse to the axes of its pivot members, and means for removably securing the shell members together.

1,543,978. SHOCK ABSORBER. ARTHUR F. BLACK, Selby, Calif. Filed Oct. 3, 1923. Serial No. 666,338. 4 Claims. (Cl. 267—17.)

1. A shock absorber comprising a cylindrical body having an extension formed upon one side thereof and adapted to be rigidly secured upon an axle of an automobile; a brace adapted to be rigidly secured between the axle and an extension formed upon the opposite side of the body, a plunger slidably mounted within the cylindrical body; springs mounted above and below the plunger; a stem connected with the plunger and extending outwardly from the body; means for connecting the outwardly extending end of the stem to the adjacent end of a leaf spring of the automobile whereby said spring and the weight carried thereby are supported above the axle; and a pair of arms pivotally connected between the extension formed upon the brace and the outer end of the stem for guiding the stem and plunger when moved against the resistance of either spring.

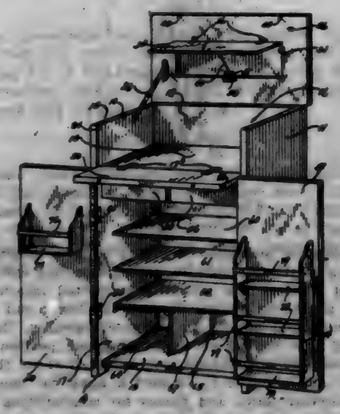
1,543,979. SHOCK ABSORBER. ARTHUR F. BLACK, Selby, Calif. Filed Oct. 3, 1923. Serial No. 666,339. 7 Claims. (Cl. 267—17.)

1. A shock absorber comprising a body rigidly secured upon the axle of an automobile; a pair of arms having one end pivotally connected upon the body; a shackle pivotally connecting the other end of the arm to a spring supporting the frame of said automobile above said axle; a plunger slidably mounted with the absorbed body; springs mounted above and below the plunger; and a pin secured between the arms and engaging the plunger whereby a pivotal movement of the arms will move the plunger against the resistance of one of the springs to absorb vibration and to retard movement of the frame



relative to the axle, said pin extending between the arms through arcuate slots formed in the sides of the body and through a transverse slot formed in the plunger to accommodate the arcuate movement of the arms about the pivot mounting thereof.

1,543,980. CABINET. ROY F. BLOOD, Rochester, N. Y. Filed Aug. 25, 1922. Serial No. 584,331. 3 Claims. (Cl. 45—16.)

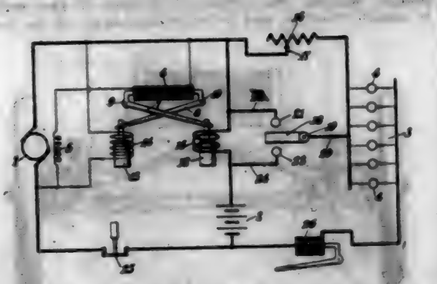


3. A cabinet of the character described comprising a body having a compartment therein open at its top, a closure for the open top pivoted to the body for vertical swinging movement into and out of a closed position and having a substantially rectangular opening provided centrally therein, a cover plate for the opening secured upon the outer face of said closure and forming of the opening a pocket leading from the inner face of said cover, a shelf member hingedly connected with said closure at the upper edge of said pocket and adapted to fit entirely within the pocket when in a lowered inoperative position and a bracket pivotally mounted in said pocket and adapted to be swung outwardly beneath the shelf member to retain the shelf member in an elevated position for use.

1,543,981. ELECTRICAL SYSTEM OF DISTRIBUTION. WILLIAM F. BOUCHER, Lancaster, N. Y., assignor, by mesne assignments, to The Gould Coupler Company, a Corporation of Maryland. Filed Jan. 21, 1922. Serial No. 530,986. 8 Claims. (Cl. 171—329.)

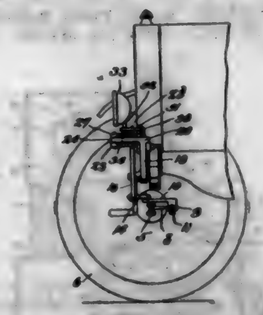
2. The combination of a variable speed generator, a battery circuit and work circuit adapted to be fed thereby

in parallel including a coil responsive to current changes in circuit between the generator and battery, switching



means for connecting one side of the work circuit to either side of said coil, and a resistance connected in shunt to said switching means.

1,543,982. REVERSIBLE AUTO LIGHT. PETER BROWN, Chattanooga, Tenn., assignor of one-third to Drew A. Landress, Chattanooga, Tenn. Filed Jan. 12, 1925. Serial No. 1,937. 2 Claims. (Cl. 240—62.)



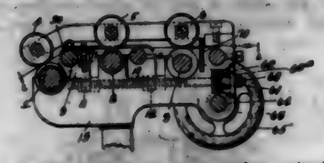
1. A dirigible headlight including an arm adapted for connection with the spindle arm connecting rod of a vehicle, a vertical arm pivotally supported intermediate its ends, a member connected with the lower end of the vertical arm and having an elongated opening, the first mentioned arm having an upstanding end portion fitted in the elongated opening, an arm mounted above the vertical arm and adapted to support a lamp for movement in a horizontal plane, and means for transmitting movement from the upper end of the vertical arm to the last mentioned arm.

1,543,983. AUTOMATIC DRAFT CONTROLLER. ELMER E. BURNS, Madison, N. J., assignor to Thermogen Equipment Company, Inc., a Corporation of New York. Filed Aug. 3, 1923. Serial No. 655,529. 2 Claims. (Cl. 236—76.)



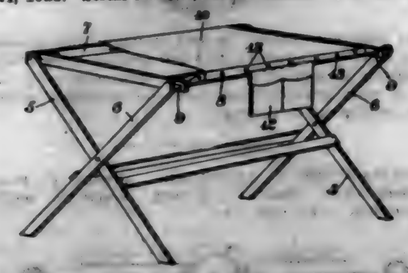
1. In an automatic draft controlling apparatus driven by an electric motor, a succession of circuit breakers each provided with a reciprocating plunger adapted to operate it, electrical connections normally connecting said circuit breakers in series with said motor, and automatic means for operating said circuit breakers successively, said means comprising a roller adapted to travel along the series of plungers so as to cause operative movement of one plunger at a time.

1,543,984. DRAWING MECHANISM. ARTHUR CECIL BUTLER, Boston, Mass. Filed May 22, 1922. Serial No. 562,967. 14 Claims. (Cl. 19—130.)



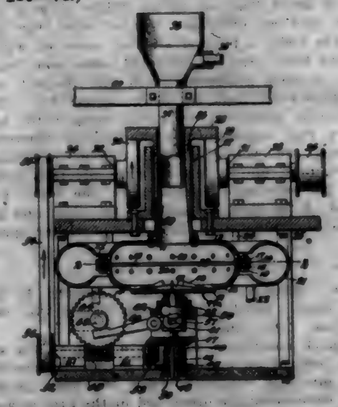
6. In a drawing mechanism, a roving retarder constructed to rest on a roving as it passes over a series of rollers, said retarder comprising a front plate curved to conform to one roller and a rear plate having its forward end hinged to said front plate and its rear end resting on the roving as it passes over another roller.

1,543,985. INFANT'S DRESSING TABLE. HAROLD L. CALDWELL and MARCUS A. CALDWELL, Columbus, Ohio, assignors to The Caldwell Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Sept. 14, 1923. Serial No. 662,628. 3 Claims. (Cl. 45—31.)



3. A dressing table including, in combination, a pair of folding leg frames hinged together near their middles, a rigid rectangular table-top frame having end members projecting forwardly beyond said frame when in horizontal position, means hinging said table top frame at its rear to the upper end of one of the leg frames and a towel bar at the other leg frame engaging said forwardly projecting portions spaced horizontally from said table-top frame.

1,543,986. CENTRIFUGAL WASHING AND DRYING APPARATUS. GEORGE BURTON CLINCH, Mulberry, Fla. Filed Apr. 10, 1923. Serial No. 631,282. 5 Claims. (Cl. 210—74.)



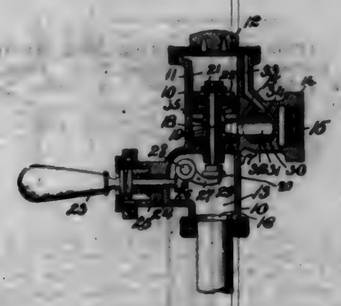
1. A centrifugal washing and drying machine, comprising a rotatable vessel provided on one of its axial sides with an inlet for the wetted material to be washed and dried and on its opposite axial side with an outlet for the dried solids and at its periphery with an outlet for the liquid separated from the solids, and a plate movable axially toward and from said solids outlet and rotatable in the same direction as said vessel but at a different speed.

1,543,987. ORE JIG. ELMO M. DAUGHERTY, Webb City, Mo. Filed Mar. 4, 1924. Serial No. 696,857. 6 Claims. (Cl. 83—79.)



2. An ore jig of the character described, comprising a central sieve compartment, means for delivering material to be separated upon the central portion of the sieve of said central compartment, a sieve compartment upon each side of the central compartment, and an inclined apron extending between the central portion of each side sieve compartment and the associated end of the central sieve compartment.

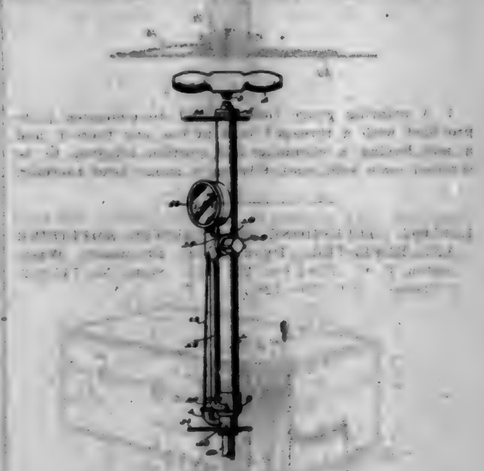
1,543,988. FLUSH VALVE. VERNER F. DAVIS, West Orange, N. J. Filed Aug. 1, 1923. Serial No. 655,051. 2 Claims. (Cl. 137—93.)



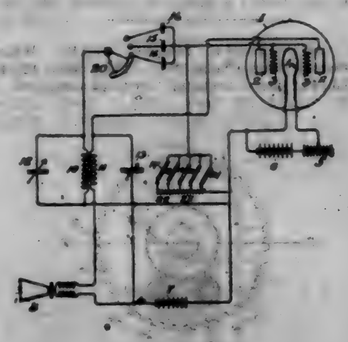
2. A flush valve comprising a casing having a valve chamber and an inlet port and having a by-pass from the inlet port to the valve casing, a cock having a plug controlling the passage of fluid through the inlet port and having a groove to permit a substantially constant flow of liquid through the by-pass at all open positions of the plug.

1,543,989. COMBINED TESTING PUMP AND GAUGE. LEE DECK, Shreveport, La. Filed Oct. 4, 1923. Serial No. 666,579. 3 Claims. (Cl. 137—77.)

1. Apparatus of the character described comprising a pump barrel, a plunger operable in the barrel to compress air therein, a fitting at the end of the barrel having a partition dividing it into upper and lower chambers, a nipple in connection with the lower chamber adapted to be joined with a system of piping to be tested, a gauge to indicate the pressure of air delivered to said piping, an associated check valve to the body of which said gauge is connected, pipes respectively furnishing communication between the check valve and gauge and said upper and lower chambers, and a casing enclosing all of the foregoing parts excepting the nipple for protection, said casing having a door through which the gauge may be read.



1,543,990. ELECTRICAL MEANS FOR PRODUCING MUSICAL NOTES. LEE DE FOREST, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J., a Corporation of Delaware. Filed Apr. 24, 1915. Serial No. 23,700. 5 Claims. (Cl. 177—7.)



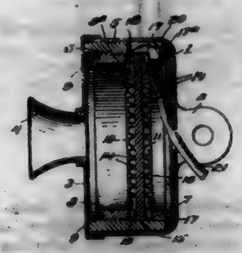
1. An electrical tone producer including an audion having plate, grid and filament electrodes, a series oscillating circuit connecting the plate and filament electrodes, a circuit connecting the grid and filament electrodes, and a resistant leak path comprising a plurality of resistance elements, means for connecting any number of said resistances between said circuits, means for inductively associating the circuits with each other, and a sound producing device included in said plate-filament circuit.

1,543,991. PRINTING GAUGE. GENNARO DE PAMPHILIS, New York, N. Y. Filed Mar. 3, 1925. Serial No. 12,927. 7 Claims. (Cl. 101—415.)



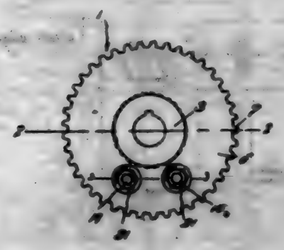
1. A printing gauge consisting of an elongated plate provided with a threaded stud at one end thereof, and a nut having a clamping hub portion adapted to be screwed upon said stud, forming a gauge head therefor.

1,543,992. TELEPHONE TRANSMITTER AMPLIFIER AND REPEATER. HENRY H. C. DUNWOODY, Washington, D. C. Filed Oct. 25, 1924. Serial No. 745,812. 2 Claims. (Cl. 179—128.)



1. Telephone apparatus, comprising in combination an annular casing, an annular supporting member within said casing, and means carried within said annular supporting member for effecting a variation in an electrical current under the influence of sound vibration comprising a pair of permanently magnetized plates, a plurality of microphonic contacts carried by each of said plates, and a diaphragm intermediate said plates and cooperating with the microphonic contacts carried thereby, whereby said plates normally tend to attract each other and exert a predetermined pressure upon said diaphragm.

1,543,993. ADJUSTABLE TIMING GEAR. WILLIAM D. ELKINGTON, Eau Claire, Wis. Filed May 12, 1924. Serial No. 712,792. 1 Claim. (Cl. 74—28.)



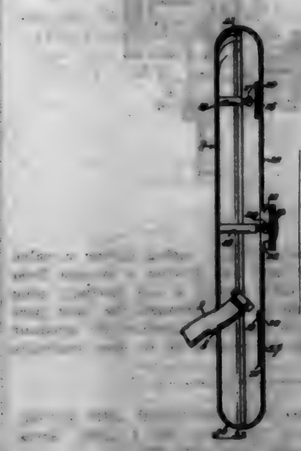
A timing gear comprising a main section having an externally screw threaded centrally disposed hub projecting beyond one face thereof and equipped with peripheral gear teeth, a supplemental annular section placed flat against the hub carrying face of the main section, the central opening of said annular section being provided with screw threads threaded onto said hub, said main section being provided with a hole extending therethrough and said hole being countersunk at its inner end, said supplemental section being provided with a recess and a screw threaded opening extending therefrom for coaction with the opening in said main section, an adjusting screw threaded through said opening and having an inner pointed end cooperative with the aforesaid countersunk portion, and a lock nut cooperative with said screw and arranged in said recess.

1,543,994. INDUCTOMETER. JOHN G. FERGUSON, Brooklyn, N. Y., assignor to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Dec. 18, 1923. Serial No. 681,356. 5 Claims. (Cl. 171—119.)



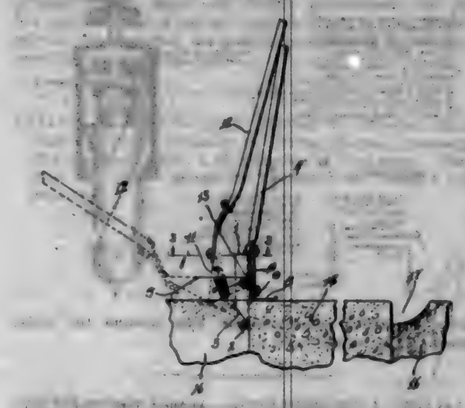
5. In an inductometer, two oppositely mounted stationary pairs of coaxial, hollow, truncated, rectangular cones, a rotatable metallic shaft, an insulating joint dividing the shaft, a hollow truncated cone within each of said pairs of stationary cones and mounted upon one of the divisions of said rotatable shaft, two sets of concentric coils embedded in each pair of stationary cones, two coils so placed in each rotatable cone that they may be made concentric with the coils of said sets, means to rotate the shaft, and an electrical circuit including all of said coils and the divisions of said shaft.

1,543,995. APPLIANCE CARRIER FOR AUTOMOBILES. DAVID H. FISHER, Albany, N. Y. Filed Jan. 30, 1923. Serial No. 615,903. 2 Claims. (Cl. 224—29.)



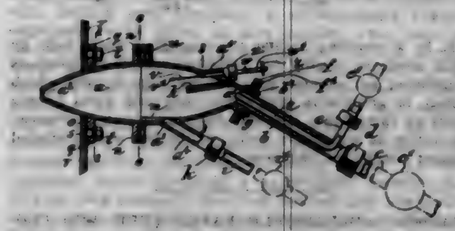
1. In appliance carriers for automobiles, a plate having a marginal flange forming an enclosure, a door therefor, means for holding the door against movement, and a gasoline filling tube extending through the plate and terminating back of the door.

1,543,996. DEVICE FOR TRIMMING SOD. WILLIAM LEWIS FRANKS, Louisville, Ky. Filed Oct. 8, 1924. Serial No. 742,476. 3 Claims. (Cl. 97—227.)



2. A sod trimming device comprising a U-shaped cutter having a foot piece on the exterior thereof, a second cutter pivotally secured to said U-shaped cutter and having sod cutting edges, said second cutter being so pivoted as to be swung to bring its lower cutting edge into substantial engagement with the lower cutting edge of the first named cutter.

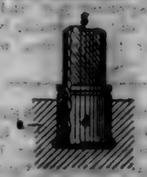
1,543,997. BURNING OF LIQUID FUEL IN BOILER AND OTHER FURNACES OR HEATING APPARATUS. GIUSEPPE GIDINI, Westminster, England. Filed Nov. 12, 1924. Serial No. 749,522. 12 Claims. (Cl. 158—76.)



3. A device for producing fuel saturated air, comprising a mixture or saturating chamber provided at its rear end with an inlet opening for air and liquid fuel, an abutment surface opposite said opening, a nozzle opening for fuel saturated air at the front end of the chamber, an outlet opening intermediate its ends and at the lower side thereof for conducting surplus liquid fuel away, valve controlled air and liquid fuel supply pipes arranged to deliver air and liquid fuel into the rear end of the chamber through the inlet opening therein and in a direction inclined to the abutment surface therewithin, with the discharge end of the air supply pipe surrounding the discharge end of the liquid fuel supply pipe, and a drain pipe connecting with the intermediate outlet opening of the chamber, substantially as described.

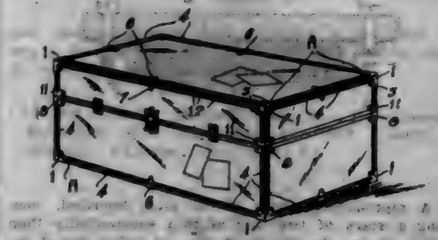
1,543,998. CONNECTION OF ELECTRIC CONDUCTORS. EUGÈNE GINDRE, Levallois-Perret, France, assignor to Societe Anonyme la Carbone, Levallois-Perret, France. Filed Apr. 14, 1924. Serial No. 706,552. 3 Claims. (Cl. 171—326.)

1. From the electrical point of view the end of the cable and the capsule, forced into the substance of the brush, constitute a connection the loss in contact of which is reduced to a minimum. It is furthermore pro-



tected against all external influences and is not exposed to deterioration by heating of the brush.

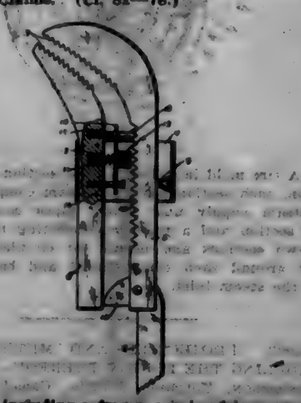
1,543,999. REENFORCING ELEMENT FOR TRUNKS. NATHAN GOLDSMITH, Newark, N. J. Filed Aug. 30, 1921. Serial No. 496,890. 5 Claims. (Cl. 190—87.)



1. As an article of manufacture, a reenforcing element for trunks and the like, including a corner shield adapted to fit a tribedral corner of a trunk, and three corner edge strips each permanently connected at one end to said corner shield in fixed and angular relation thereto and to the other strips so that said corner shield and said edge strips may be applied simultaneously to the corner and the three corner edges formed by three concurring sides of the trunk, respectively.

3. A reenforcing strip for a corner edge of a trunk or the like, consisting of an elongated strip of sheet metal angular in cross-section to fit a corner edge of a trunk or the like and of substantially uniform thickness throughout its length, and a rod arranged in the angle of said strip extending the full length thereof and secured to both walls of the strip, said rod having its exposed side flattened to engage a corner edge of a trunk or the like.

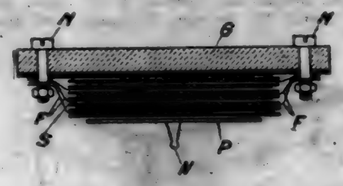
1,544,000. WRENCH. PETER W. GRADY, Grand Forks, N. Dak., assignor of one-fourth to Clara Donahoe, Seattle, Wash. Filed May 26, 1924. Serial No. 715,896. 3 Claims. (Cl. 81—78.)



2. A wrench including a frame, a pair of jaws mounted in said frame one of which is movable in and the other fixed to the frame, a spring to normally hold the mov-

able jaw spaced from the stationary jaw, a handle to urge the working end of the movable jaw toward the working end of the stationary jaw, and a tooth carried by the stationary jaw and engageable with the movable jaw to lock the latter from sliding movement in the frame.

1,544,001. ELECTROSTATIC REPRODUCER FOR TALKING MACHINES AND THE LIKE. WILHELM GROENEBAUM, Neu-Babelsberg, near Berlin, Germany, assignor to the Firm Naamlooze Vennootschap Financiele Maatschappij Driebergen, Amsterdam, Netherlands. Filed Jan. 8, 1925. Serial No. 327. 2 Claims. (Cl. 179—100.1.)



1. A reproducing device of the kind described, comprising a stack of two sets of thin substantially limp metallic sheets, the sheets of one set being placed between the sheets of the other set, elastic insulating sheets interposed between adjacent metallic sheets, insulating means at the ends of the stack, a support, terminals mounted on said support, means for mechanically and electrically connecting the sheets of each set to one of the terminals whereby said stack is suspended from said support, a stylus, and means for transmitting movement of the stylus to said stack.

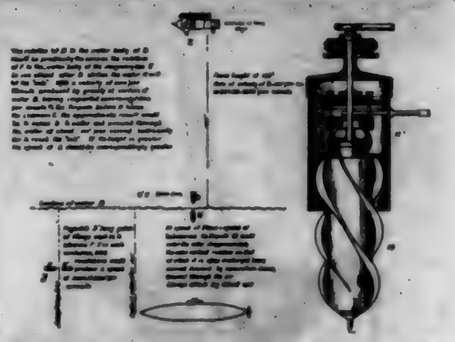
1,544,002. STEAM-JACKETED MOLD. FRANK H. GROVE, Columbiana, Ohio. Filed Jan. 20, 1923. Serial No. 613,886. 5 Claims. (Cl. 18—38.)



1. A tire mold including a fixed section and a movable section, each section having a steam compartment therein, steam supply and return pipes connected to the fixed section and a passage connecting the interiors of the two sections and means for circulating steam entirely around each compartment and back to a point near the steam inlet.

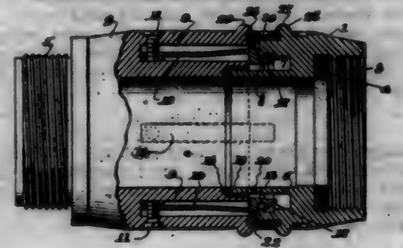
1,544,003. PROJECTILE AND METHOD OF CONTROLLING THE FLIGHT THEREOF. ALBERT ENNIS HENDERSON, Toronto, Ontario, Canada. Filed Jan. 14, 1918. Serial No. 211,868. 9 Claims. (Cl. 102—2.)

6. A missile designed to penetrate fluid media of varying densities said missile having an approximately cylindrical body provided with a plurality of spiral flanges extending from end to end of such body each



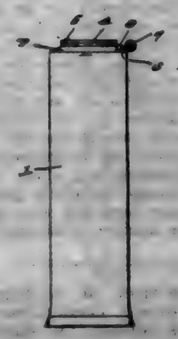
flange extending approximately once around the body, substantially as set forth.

1,544,004. PIPE COUPLING. ALBERT HENDERSON, Albany, Ga. Filed July 10, 1924. Serial No. 725,215. 4 Claims. (Cl. 285—174.)



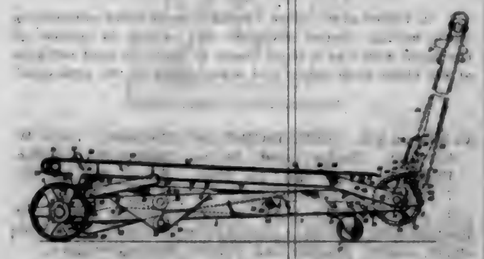
3. In a coupling having two engaging parts held by latch members, a ring for releasing said latch members comprising an annular part having edge flanges which engage in grooves in said parts, and said parts having beads at their edges adjacent the ring member, whereby the latter is accurately held and guided and protected against accidental displacement.

1,544,005. COLLAPSIBLE PASTE TUBE AND CLOSURE THEREFOR. JOHN I. HILL, Mexia, Tex. Filed June 19, 1924. Serial No. 721,085. 1 Claim. (Cl. 221—60.)



A paste tube terminating in an end having an annular beveled portion and a flat portion in the annular beveled portion, said flat portion provided with an opening, a flat closure pivoted to the flat portion of the end of the tube so as to be in a plane parallel thereto for closing the opening and provided with a handle adapted to extend angularly therefrom for abutting the beveled portion when said closure is disposed over the flat portion, and a spring member fixed to the beveled portion for engaging the handle and holding the closure over the flat portion.

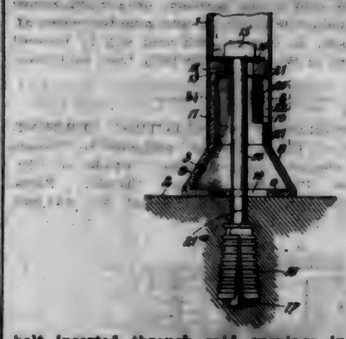
1,544,006. LIFTING JACK. ERNEST W. HOLMES, Chattanooga, Tenn., assignor to Ernest Holmes Company, Chattanooga, Tenn., a Corporation of Tennessee. Filed Sept. 23, 1924. Serial No. 739,380. 29 Claims. (Cl. 254—2.)



18. A lifting jack comprising a frame, lifting means carried by said frame, a ratchet wheel operatively connected to said lifting means and an operating lever therefor, a member pivotally mounted on said lever, a lifting pawl carried by said member and co-acting with said ratchet wheel, a holding pawl pivotally mounted on said frame provided with keepers on opposite sides of its pivotal axis, pivotally mounted reversing means for said holding pawl including a spring-pressed plunger engageable with either of said keepers when said reversing means is oscillated, the pressure of said plunger being insufficient to move said holding pawl to inoperative position until it is relieved from the frictional resistance of the load imposed upon it by said ratchet wheel, through a slight lifting movement of said operating lever, said reversing means being formed with recesses defining shoulders, actuating means for said reversing means including a reciprocable member carried by said pivotally mounted member and engageable with certain of said recesses in selective positions of said lever, a spring connecting said reciprocable member to said pivotally mounted member at one side of the pivotal axis of the latter, means for depressing said reciprocable member to cause the same to enter one of said recesses and simultaneously to compress said spring, thereby biasing said pivotally mounted member in a direction to move said lifting pawl to inoperative position, said spring being of less pressure than the resistance to movement of said reversing means so that when said reciprocable means engages a shoulder of said reversing means to oscillate the latter to cause it to move said holding pawl to inoperative position, the pivotally mounted member is thereby biased in a direction to throw said lifting pawl back into operative position simultaneously with the movement of said holding pawl to inoperative position.

1,544,007. TOILET PARTITION. ARTHUR SHERIDAN HUGHES, Mansfield, Ohio. Filed Aug. 11, 1921, Serial No. 491,459. Renewed Nov. 10, 1924. 14 Claims. (Cl. 189—34.)

1. In a partition, a base shoe for the posts or columns of the partition, comprising a flared base, a shank rising from the base and provided with an opening in the top, the base having a larger opening, a securing



bolt inserted through said openings in the shoe, and means for holding one end of the bolt to the shank, the other end being fastened to the floor.

1,544,008. ROPE GUIDE. LEONIDAS E. JEFFERSON, Baltimore, Md. Filed Oct. 19, 1923. Serial No. 669,620. 4 Claims. (Cl. 156—15.)



1. A device of the character described including a main plate and clamping plate one of which has spurs and the other openings to receive said spurs after which they are bent to clamp the plates on opposite sides of the material to which the device is secured, one of said plates having an open-ended loop or eyelet and a guide having its ends extending into the opposite ends of the loop or eyelet whereby the guide is pivoted or swiveled to the plate.

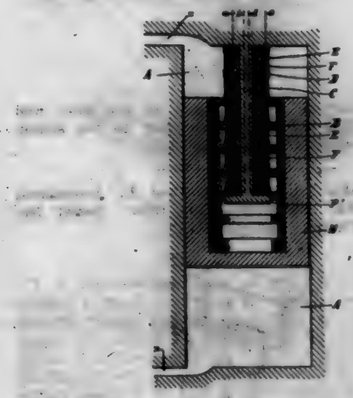
1,544,009. COMBINED CASING AND TOOL SPEAR. MONROWE W. JONES and BERT H. BRUSH, Ardmore, Okla.; said Jones assignor to Jones Everett Machine Co., Ardmore, Okla., a Corporation. Filed Feb. 11, 1925. Serial No. 8,451. 9 Claims. (Cl. 294—86.)



1. The combination with a spear having a body, a slip supported on the body for movement upward and outward from position inwardly of the periphery of the

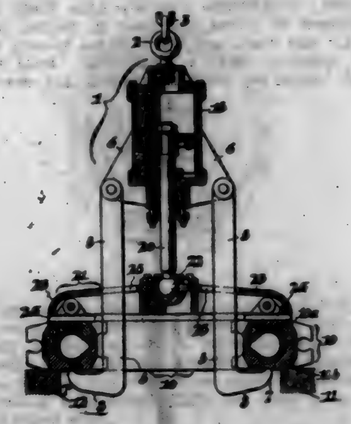
body to position to extend outward beyond the periphery of the body, and a spring urging said slip upward on the body toward said upper position, of a rigid means releasably attachable to the body and adapted when attached to the body to engage with said slip to prevent upward movement of the slip on the body from said lower position.

1,544,010. GENERATOR OF ELECTRIC CURRENT. EUGÈNE JORDAN, Paris, France, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Filed Apr. 24, 1923. Serial No. 634,205. 3 Claims. (Cl. 290—1.)



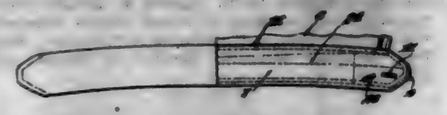
1. A reciprocating fluid pressure generator of electric current, which comprises a cylinder, a piston adapted to reciprocate therein, and fixed means within the piston for generating induced currents by the displacement of the piston.

1,544,011. TIRE-MOLD-HANDLING DEVICE. JOHN KEARNS, Conshohocken, and WILLIAM Y. DUNCAN, Jr., Barren Hill, Pa. Filed Sept. 23, 1921. Serial No. 502,648. 12 Claims. (Cl. 18—2.)



1. A device of the character described, including supporting means capable of automatically collapsing in being introduced from above through the opening of an annular mold, and subsequently, of expanding automatically to engage the mold from beneath, comprising a group of freely suspended hooks formed with cam edges for engaging the inner periphery of the mold so as to be swung inwardly in effecting automatic collapse of the supporting means as aforesaid; in combination with means operative in opposition to said hooks for applying a downward pressure to hold the parts of the mold tightly closed together.

1,544,012. COLLAR. EDWARD A. KING, Dorchester, Mass., assignor to Lion Collars & Shirts, Inc., Troy, N. Y., a Corporation of New York. Filed Oct. 10, 1922. Serial No. 593,501. 9 Claims. (Cl. 2—131.)



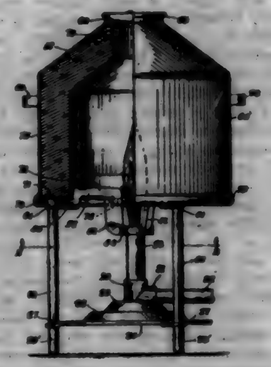
1. A folded-over collar having a neck-band comprising cloth having woven selvages and which is woven of the same width as a band blank so that the said selvages of the cloth form upper and lower edges of the neck-band.

1,544,013. TREATMENT OF TIMBER. JOHN W. KITCHIN, Horley, and VICTOR LEFEBURE, London, England. Filed Jan. 15, 1923. Serial No. 612,803. 7 Claims. (Cl. 134—76.8.)

1. A process for treating timber which consists in impregnating it with a carbohydrate solution containing sugar, sodium fluoride and sodium dinitrophenolate.

7. An aqueous carbohydrate solution for the treatment of timber consisting of water and sugar in the form of syrup with the addition of 1% of sodium fluoride and ¼% of dinitrophenolate and an additional carbohydrate such as dextrine so as to give a density to the solution of about 1.080.

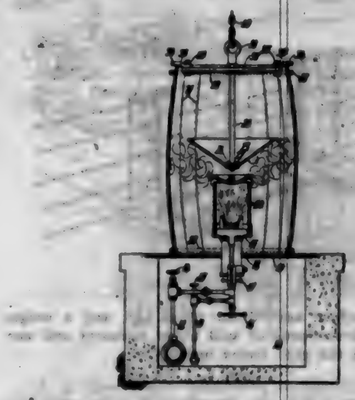
1,544,014. BURNER AND OVEN. MILTON M. KOHN, New York, N. Y. Filed June 19, 1922. Serial No. 569,346. 8 Claims. (Cl. 126—39.)



1. A heat retainer comprising a casing having a beaded lower edge, a nonconducting lining enterable from the bottom therein, and means partially contained in said beaded edge for removably securing said lining within said casing and means to support the retainer in a plane raised from the supporting surface.

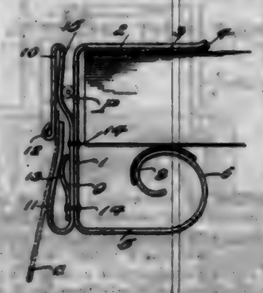
1,544,015. COOPER STOVE. EDWARD J. LAMY, Elizabeth, N. J., asignor to A. Lamy & Son, Inc., Elizabeth, N. J., a Corporation of New Jersey. Filed Mar. 27, 1923. Serial No. 628,011. 24 Claims. (Cl. 34—18.)

1. In a barrel drier, the combination with a crosset, of a spreader removably supported above said crosset and mounted to conduct the heated gases to the bilge portion of the barrel; said spreader in the form of an



inverted cone nearly closing the barrel, and means for lifting said spreader out of the barrel.

1,544,016. SCORE CARD AND PENCIL HOLDER. WINNIFRED C. LYMAN, Southampton, Mass. Filed Sept. 25, 1924. Serial No. 739,871. 3 Claims. (Cl. 24—81.)



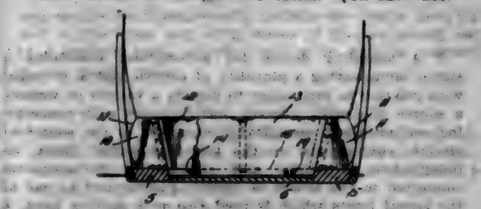
1. A score card and pencil holder comprising a resilient strip having an elongated body portion and having its ends folded inwardly into overlapping relation with each other at the ends of said body portion to provide spring arms to yieldably engage a score card, and a support against which said body portion is secured, one end of said body portion being outwardly offset from said support to co-act therewith in forming a yieldable pencil holder.

1,544,017. RADIATOR CAP. GEORGE KETCHUM McCORD and HORACE HERMAN SCHWARK, Fort Worth, Tex. Filed Aug. 10, 1922. Serial No. 656,646. 4 Claims. (Cl. 257—25.)



1. A radiator cap comprising a body having means whereby the same may be secured to the neck of a radiator, and an air inlet funnel secured to said body and having a discharge end terminating adjacent the center of the body, there being an outlet member arranged in the path of travel of the air entering the body whereby the force of the air is broken and whereby the air is prevented from agitating the water in the radiator cap.

1,544,018. COMBINED FOOT REST AND CURTAIN HOLDER. UNA MCDONALD, Belton, Tex., assignor of one-half to Edwin Puddy, Belton, Tex. Filed Feb. 19, 1924. Serial No. 693,797. 1 Claim. (Cl. 224—29.)



Means for utilizing waste space in the tonneau of an automobile, wherein the automobile has spaced parallel side bars, a bottom positioned between and below the upper surface of said side bars, and the back of the front seat overhangs the bottom portion of the tonneau, comprising bar members having oppositely directed lateral extensions on the opposite ends thereof adapted to be secured to the bottom of the back of the front seat and the upper side of the frame bars at each side of the automobile body, plate members secured to said bar members and extending outwardly therefrom to conform to the contour of the interior of the automobile for forming a compartment at the ends thereof with the body, said plate having offset portions adjacent said bar member, a strip mounted on the bottom of the automobile body between the frame bars and in line with said bar member, a door hinged to said strip and adapted to seat on said offset extensions of the plate member in closed position for forming a compartment under the overhanging portion of the back of the front seat, and also adapted to form a foot rest for the occupants of the back seat, a strip member hingedly connected with the central portion of the strip, and a keeper for receiving the free ends of the strips mounted on the under side of the back of the front face to provide a supplemental support for the central portion of the door in closed position for forming a foot rest.

1,544,019. BURGLAR-ALARM SYSTEM. WILLIAM MCNAMES, Aberdeen, S. Dak. Filed Nov. 6, 1924. Serial No. 748,228. 3 Claims. (Cl. 116—86.)



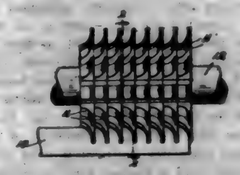
2. In a device of the class described, a base plate, a fire arm rigidly secured to the base plate, an alarm mechanism including a bell, a base plate for the alarm mechanism, a swinging lever for the fire alarm carried by the first mentioned base plate, a sliding rod for actuating the alarm mechanism carried by the second mentioned base plate, means connecting the lever and the rod together for synchronous movement, a contractile spring coiled about the rod for normally urging the rod and lever to an operative position, a rigid latch arm carried by the lever having a hook terminal, an upstanding leaf spring secured to the first mentioned plate, a latch lug carried by said leaf spring for receiving said latch arm for normally holding the lever and rod against movement, a guide carried by the latch lug and spring for said latch arm, and an operating cable connected to the free end of said leaf spring.

1,544,020. SIGNALING DEVICE. HENRY R. MADDOX and FRANCIS I. S. HULL, Richmond, Va. Filed Mar. 10, 1923. Serial No. 624,140. 3 Claims. (Cl. 177—329.)



1. A signaling device for automobiles combining a signal lamp having a plurality of electric lights arranged with relation to each other to display a variety of signals, a source of electric current, switch-levers with cooperating contact-plates electrically connected to the source of electric current and to the aforesaid signal lights, an independent connector and cooperating contact-plates connected to the source of electric current and to one of the signal lights which is used also as a parking light, a locking means engaging said connector to hold it in contact with the plates, and means for disengaging the locking means actuated on the operation of any one of the switch-levers.

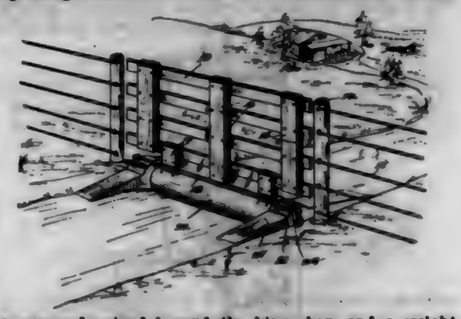
1,544,021. METHOD OF MANUFACTURING MACHINE KEYS. SILAS C. MERRICK, New Brighton, Pa., assignor to Standard Horse Nail Co., New Brighton, Pa., a Corporation of Pennsylvania. Filed Apr. 21, 1924. Serial No. 708,015. 2 Claims. (Cl. 29—148.)



1. The method of making machine keys having a curved edge and a straight edge which consists in taking a rectangular bar having a width and thickness respectively equal to the width and thickness of the keys produced, cutting a series of spaced notches in one edge of said bar extending approximately half-way across the width of the bar, each of said notches having a curved side which forms part of the curved edge of a partially formed key, and also having a straight side which forms part of the straight edge of a partially formed key cutting a second series of similar spaced notches in the other edge of the bar directly opposite the first named notches, the said second series of notches also extending approximately half-way across the width of the bar, whereby said bar is severed into a plurality of keys, each of said second series of notches also having a curved side which forms the rest of the curved edge of a key, and also having a straight side which forms the rest of the straight edge of a key.

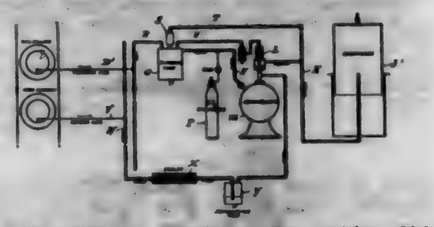
1,544,022. SELF-CLOSING AUTOMOBILE GATE. JAMES S. MILLER, Clinton, Nebr. Filed Feb. 7, 1923. Serial No. 617,508. 3 Claims. (Cl. 49—5.)

1. A gate mechanism comprising foundations arranged at the sides of a roadway in a gate opening and having their upper surfaces inclined downwardly from their centers to their ends whereby to constitute runways for the wheels of an automobile, a hinge bar extending between said foundations and secured thereto at the centers thereof, a gate frame arranged above the foundations and having tracks upon its sides aligned with the foundations, hinge members secured to said frame and depending therefrom between the foundations to rotatably



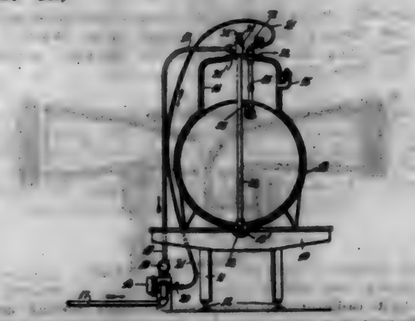
engage and extend beyond the hinge bar, and a weight fixed to the lower ends of said hinge members and normally holding the gate frame upright.

1,544,023. METHOD OF CURING MOLDED RUBBER ARTICLES AND APPARATUS THEREFOR. HENRY R. MINOR, Ossining, N. Y., assignor to General Carbonic Co., New York, N. Y., a Corporation of New York. Filed July 30, 1923. Serial No. 654,564. 14 Claims. (Cl. 18—4.)



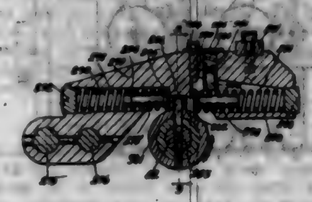
1. The method of vulcanizing rubber articles which consists in maintaining constantly a major supply of a non-oxygen gas, withdrawing from said supply, and separately therefrom, confining a minor volume thereof, maintaining said minor volume under a constant predetermined pressure, utilizing withdrawals from said minor volume for the vulcanizing operation and simultaneously replenishing said minor volume with an amount of gas equivalent to that withdrawn therefrom for said vulcanizing uses.

1,544,024. SAFETY DEVICE FOR TANKS CONTAINING INFLAMMABLE LIQUIDS. HENRY L. MOELLER and WALTER J. WILLENBORG, Weehawken, N. J. Filed Dec. 10, 1921. Serial No. 521,437. 16 Claims. (Cl. 220—85.)



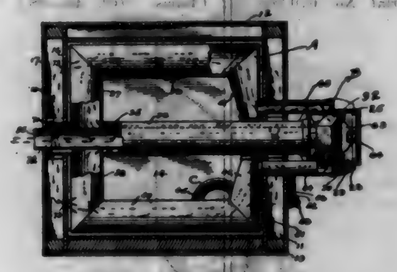
12. A liquid-receptacle provided with a valved pipe through which liquid is adapted to pass into and from the receptacle, and a fuse the melting of which will admit the outside air to said pipe at a point located between the receptacle and the valve which controls said pipe.

1,544,025. STOP MECHANISM. HAROLD W. MORRIS, Waltham, Mass., assignor to Frederick Gumn Company, New York, N. Y., a Corporation of New York. Filed June 7, 1923. Serial No. 643,898. 7 Claims. (Cl. 192—149.)



6. A stop device comprising a member having a pair of opposed sockets therein, a spring pressed abutment in each of said sockets extending toward the other in substantial alinement therewith, one of said sockets being laterally extended to permit its abutment to yield laterally out of said alinement, and a spring pressed plunger in said lateral extension and bearing on said abutment to yieldingly hold it in such alinement.

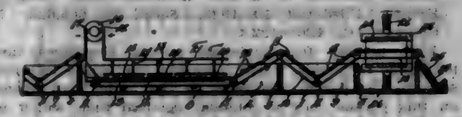
1,544,026. INCUBATOR. WILBERT C. MORSE, Hollister, Idaho. Filed Apr. 21, 1922. Serial No. 555,855. 2 Claims. (Cl. 236—4.)



1. In an incubator including a housing, a source of heat positioned externally of the housing, a conduit having movable means associated therewith for controlling passage of heat therethrough and a thermostat in the incubator housing; means for effecting movement of the control means, said means comprising a rotatable shaft journalled in the housing wall, an arm carried by the inner end portion of said shaft and arranged to bear upon said thermostat, a crank carried by the outer end portion of said shaft, a lever pivotally mounted externally of the incubator, a rod connected with said crank and with said lever for adjustment longitudinally of the lever, and means connecting said lever with the control means for moving the latter to different positions according to the temperature of the incubator.

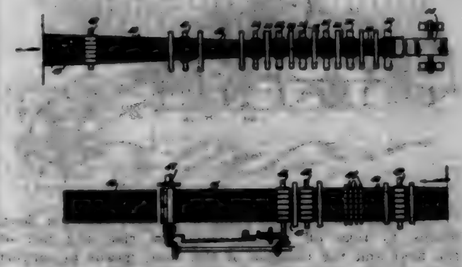
1,544,027. PLATING DEVICE. JOHN J. MUELLER, Jr., Ottawa, Ill. Filed Feb. 1, 1923. Serial No. 616,857. 2 Claims. (Cl. 204—11.)

1. A device of the character described comprising an electroplating bath having an anode, means for conveying portions of a strip to be plated through said bath, and electrically controlled means for guiding said strip in a substantially straight path through said bath, said means comprising a pair of rollers, a pivotally mounted frame for rotatably supporting said rollers, said strip being arranged to pass between and engage with said rollers,



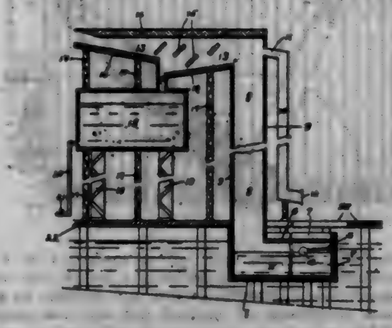
and means for automatically turning the frame carrying said rollers when said strip moves of its own accord out of a straight path, whereby said strip may be restored to its proper path.

1,544,028. EXPANDED-METAL MANUFACTURE. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio. Filed June 1, 1922. Serial No. 565,127. 9 Claims. (Cl. 164—6.6.)



1. The method of making expanded metal which includes rolling sheet-bars, strips or the like longitudinally only to form strip-sheets, then slitting the strip-sheets to form bonds and strands, and expanding the resultant meshes.

1,544,029. WATER LIFTER AND CONDENSER. HANS JULIUS NELSON, Palo Alto, Calif. Filed Dec. 26, 1922. Serial No. 608,867. 1 Claim. (Cl. 203—5.)

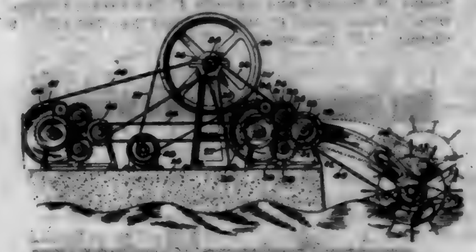


An apparatus for distilling water by means of solar heat, consisting of a container for water, a cover for said container, said cover comprised of a frame studded with burning-glasses for focusing the rays of the sun on the water held in the said container, a stack rising from said container for the purpose of providing a passage-way for vapors rising from the water heated in said container, an air-flue entering the top of said stack, a condensing chamber for said vapors, an outlet for said condensing chamber, a receptacle for condensed water and means for distributing the condensed distilled water.

1,544,030. PROCESS FOR RENDERING POROUS ELECTRODES IMPERMEABLE TO LIQUIDS. RENÉ OFFENHEIM, Levallois-Perret, France, assignor to Société Anonyme le Carbone, Levallois-Perret (Seine), France. Filed Oct. 19, 1923. Serial No. 669,625. 5 Claims. (Cl. 136—122.)

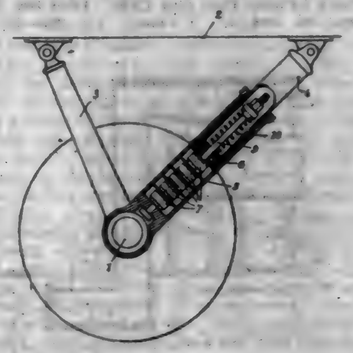
1. A process for rendering porous electrodes impermeable to liquids, which comprises applying a metallic soap to the porous electrode, so that said soap forms on this porous body a colloidal pectised film, which is non-decomposable by electric current, is a good conductor of electricity, and is impermeable to liquids but permeable to gases.

1,544,031. WAVE MOTOR. CHARLES G. POLLEYS, West Somerville, Mass. Filed June 8, 1923. Serial No. 644,162. 8 Claims. (Cl. 253—4.)



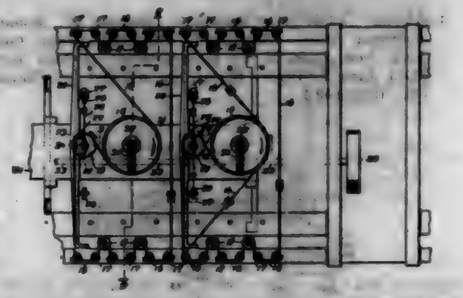
1. A wave motor embodying a buoyant rotating float, means to take off motion from the rise and fall of the float and the rotation of the float, means to convert each of said motions separately into continuous rotary motion, and means to combine the continuous rotary motion of both.

1,544,032. SHOCK ABSORBER FOR VEHICLES. HENRY CHARLES ALEXANDER POTEZ, Levallois-Perret, France. Filed Oct. 19, 1923. Serial No. 669,584. 3 Claims. (Cl. 244—2.)



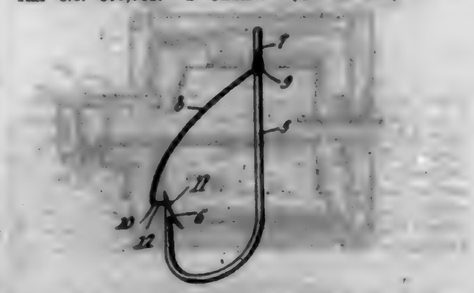
2. A shock absorber for aeroplanes and other vehicles comprising suspension members respectively connected to the body of the vehicle and the part adapted to engage with the ground, india-rubber washers provided with central holes disposed between said members and adapted to work by compression, metal plates provided with central holes and inserted between said washers, the holes of said washers having a diameter larger than the holes of said metal plates, a common guiding rod secured to one of said suspension members, and extending through the holes in the washers and plates, and metal washers imbedded in the mass of said india rubber washers and projecting into the central holes of the latter.

1,544,033. SPINNING AND TWISTING MACHINE. JAMES CHARLES POTTER, Pawtucket, R. I. Filed Dec. 24, 1921. Serial No. 524,681. 7 Claims. (Cl. 118—47.)



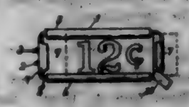
1. A spinning or twisting machine having two lines of spindles, a drive pulley mounted substantially midway between the two lines of spindles on an axis parallel with the spindle axes, an endless belt passing in opposite directions from said pulley to the spindles of each line in succession, a tension device over which said belt passes, idlers adjacent the spindles of each line over which such belt passes, and a movable carriage supporting said spindles, tension device and idlers, for traversing the spindles, said belt partaking of the movement of said carriage.

1,544,034. WEEDLESS FISHHOOK. PERRY FOSTER RATCLIFF, Shreveport, La. Filed Oct. 26, 1923. Serial No. 670,965. 2 Claims. (Cl. 43—38.)



1. In a fishing hook, a body portion having a piercing extremity, a guard including a length of wire secured to the body portion, one end of the guard extending inwardly and outwardly and terminating at a point in space relation with the main portion of the guard to provide a bait securing member.

1,544,035. CARD HOLDER. WILLIAM S. RANCH, San Diego, Calif. Filed Dec. 6, 1921. Serial No. 520,418. 2 Claims. (Cl. 40—16.)



1. A price tag holder, consisting of a single blank plate made of springy sheet metal with a pair of loop flanges in spaced relation transversely across said plate, said loops bent down so that they are in spaced relation from the main body and the extended ends curved

inwardly and extending backwardly, the ends of the main body turned backwardly in the direction of said loop flanges forming flanges on the ends, one of said end flanges being considerably lower than the flange at the other end to permit the insertion of the card.

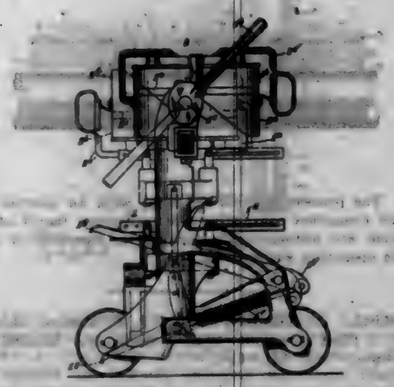
1,544,036. NICKEL-CHROMIUM ALLOY AND PROCESS OF MAKING SAME. MILTON J. ROSENCRANTS, New York, N. Y. Filed June 13, 1919. Serial No. 304,018. Renewed Aug. 21, 1924. 12 Claims. (Cl. 75—1.)

1. A process of making a nickel-chromium alloy comprising melting nickel and chromium and a previously formed nickel-chromium alloy which has been treated with zirconium while in a molten state.

1,544,037. NICKEL-CHROMIUM ALLOY AND PROCESS OF MAKING SAME. MILTON JOHN ROSENCRANTS, New York, N. Y. Filed June 13, 1919. Serial No. 304,019. Renewed Aug. 19, 1924. 8 Claims. (Cl. 75—1.)

1. A process of making a nickel-chromium alloy, comprising melting nickel and chromium, and introducing zirconium into the melt.

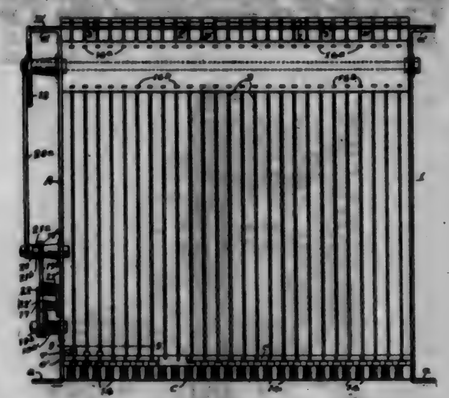
1,544,038. APPARATUS FOR MAKING CORES. DANIEL J. RYAN, Cleveland, Ohio. Filed Oct. 28, 1922. Serial No. 597,668. 14 Claims. (Cl. 22—13.)



1. In apparatus of the class described, the combination of a support and a core box comprising a main section of tubular shape having a cut away portion extending inwardly from its open end and a sub-section engaging the outer end of said main section and provided with an extension fitting said cut away portion and shaped to form a boss forming recess in the core.

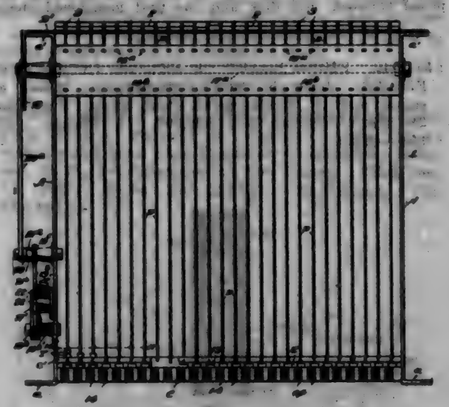
1,544,039. STORING MECHANISM FOR TYPE. ARTHUR D. SABORSKY, Cleveland, Ohio, assignor to The Advance Manufacturing Company, Detroit, Mich., a Corporation of Maine. Original application filed Jan. 6, 1917, Serial No. 140,989. Divided and this application filed July 12, 1920. Serial No. 395,736. 41 Claims. (Cl. 276—45.)

1. In apparatus of the character described, the combination of a member adapted to hold type in stacked relationship, and means for supporting said type holding member, said means being controlled and actuated



while supporting said member to permit movement of the type endwise thereof.

1,544,040. TYPE DISTRIBUTING, STORING, AND SETTING MECHANISM. ARTHUR D. SABORSKY, Cleveland, Ohio, assignor, by mesne assignments, to The Advance Manufacturing Company, Detroit, Mich., a Corporation of Maine. Filed Jan. 6, 1917, Serial No. 140,989. Renewed May 5, 1923. 31 Claims. (Cl. 276—22.)

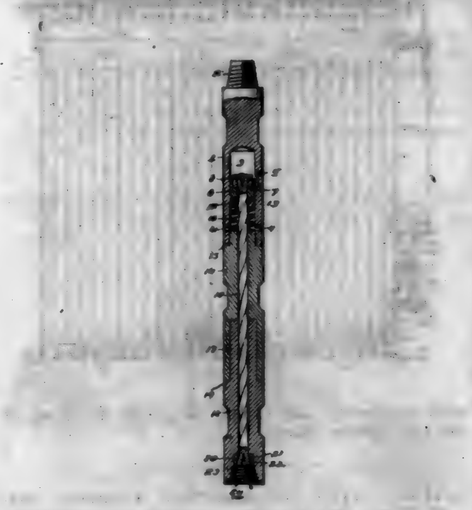


4. In apparatus of the class described, the combination of a frame, a platform thereon, said platform having an opening, type storing members in said frame upon which said type fall through the opening in said platform, a type distributing case adapted to slidably engage said platform, and co-operating means between said platform and distributing case for discharging the type one at a time from said distributing case to selected type storing members.

1,544,041. WELL DRILLING AND FISHING JAR. JOHN P. SCHENNUSEWA, Paintsville, Ky. Filed May 23, 1924. Serial No. 715,372. 2 Claims. (Cl. 255—27.)

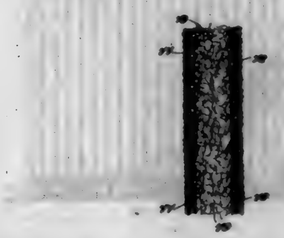
1. A well drilling jar structure comprising a socket member, a sleeve screwed therein, and provided at its lower end with a socket, a second sleeve fitting snugly

in the socket of the first mentioned sleeve and provided at its lower end with a socket, a block secured in the socket of the first mentioned member, a block located in the socket of the second mentioned sleeve, a wire



cable section secured at its ends in the blocks and passing through the sleeves, a disk housed in the socket of the first mentioned member, and a spring housed in the socket of the first mentioned member and interposed between said disk and the first mentioned sleeve.

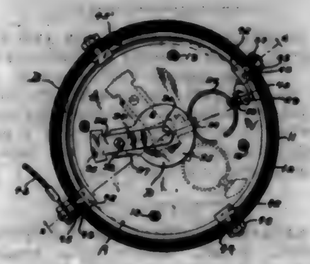
1,544,042. FIBER BOARD OF FELTED INTERLACED FIBERS. JOHN K. SHAW, Minneapolis, Minn., assignor to C. F. Dahlberg, St. Paul, Minn. Filed Mar. 26, 1920. Serial No. 368,995. 6 Claims. (Cl. 154—45.9.)



1. The herein described fiber board composed of different masses of different kinds of fibers, a portion of the fibers of each of said masses interlaced with a portion of the fibers of an adjacent mass, and a portion of said fibers carrying natural pith like protuberances serving as entangling agents between the fibers.

1,544,043. DISTRIBUTOR AND TIMER COMBINED FOR INTERNAL-COMBUSTION ENGINES. CHESTER L. SNOOK, Peru, Kans. Filed Aug. 15, 1922. Serial No. 582,023. 3 Claims. (Cl. 200—21.)

2. In a rotor, a hub formed of insulating material and having a socket for receiving a timer shaft, a contact shoe, a resilient carrier of conducting material for said shoe, a spring element of conducting material carried by said hub and positioned for engaging a timer shaft extending into the socket and frictionally holding



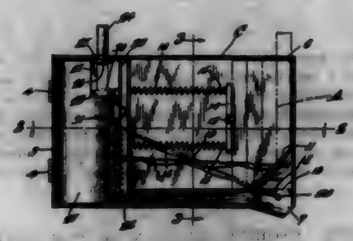
the hub upon the shaft, and means for securing the carrier and spring element to the hub in contacting engagement with each other.

1,544,044. PROCESS OF AND APPARATUS FOR AUTOMATIC ELECTRIC ARC WELDING. ANDREW SMITH, San Mateo, Calif. Filed Mar. 24, 1919. Serial No. 284,528. 20 Claims. (Cl. 219—8.)



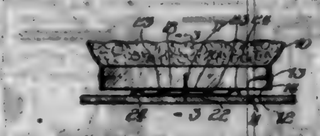
1. The process of welding metal with an electric arc, which comprises controlling the transverse travel of the electric arc automatically through a plurality of solenoids operating successively.

1,544,045. CIGARETTE CASE. J. P. STRAUS, Chicago, Ill. Filed Jan. 26, 1923. Serial No. 615,060. 8 Claims. (Cl. 131—59.)



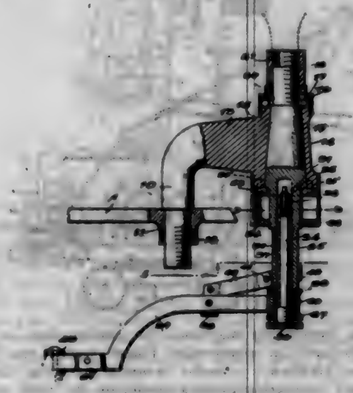
1. The combination with a case, of an ejector therein, a lighting element carried by the ejector for contact with the end of the article being ejected, a battery, and means operated by the actuation of the ejector for closing the circuit between the battery and the lighting element.

1,544,046. HAT CARRIER. JOSEPH STAFFA and RUDOLF STAFFA, Chicago, Ill. Filed Dec. 11, 1923. Serial No. 680,107. 8 Claims. (Cl. 206—8.)



3. A hat carrier comprising a body formed with a foundation disc member adapted to be disposed parallel to and face a support, and body sustaining means comprising open-ended, slidingly engageable interlocking members adapted to be interlocked and released by movement of said members in either directions, said members being narrower than the circumference of said disc and extending diametrically across said disc.

1,544,047. DIRIGIBLE HEADLIGHT. THEODORE H. STINSON, Snohomish, Wash. Filed Sept. 28, 1922. Serial No. 591,137. 3 Claims. (Cl. 240—52.)

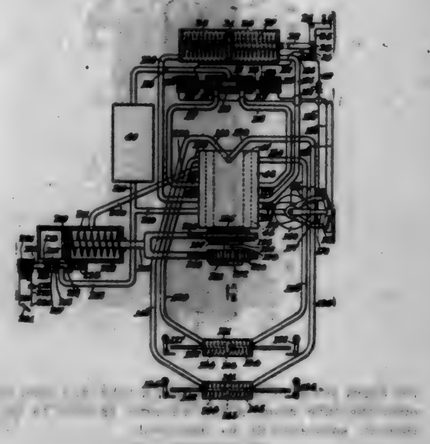


1. In a dirigible headlight, a support, a spindle for supporting a headlight rotatably carried by the support, a crank arm journaled on the lower end of said spindle for normal swinging movement relative thereto, means carried by the crank arm for movement into and out of locking engagement with the spindle whereby the crank arm can be locked with the spindle for movement therewith, and means carried by the spindle for locking engagement with the support to prevent rotary movement of the spindle when said means carried by the crank arm is moved out of engagement with the spindle.

1,544,048. TREATMENT OF COPPER METALLURGICAL SLAG. HARRY HOWARD STOUT, Douglas, Ariz. Filed Nov. 23, 1921. Serial No. 517,198. 5 Claims. (Cl. 75—82.)

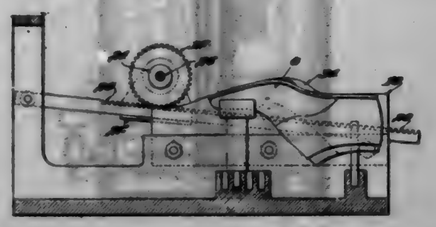
1. The method of precipitating copper from molten copper metallurgical slag, which consists in providing a charge of the molten slag at a definite temperature, adding to the charge a quantity of metallic iron, effecting melting and fusion of the iron by the unincreased heat of the slag charge, and distribution of the iron throughout the body of the charge, so that the iron combines with copper-compound constituents of the slag as such, to replace and precipitate the copper content thereof.

1,544,049. SYSTEM FOR THE CONTROL OF DIRIGIBLE DEVICES FROM A DISTANCE. ALBERT DELAFIELD TERNOR, Gloucester, Mass., assignor to John Hays Hammond, jr., Gloucester, Mass. Filed Mar. 31, 1916, Serial No. 88,052. Renewed Aug. 25, 1923. 32 Claims. (Cl. 114—21.)



1. The combination with a plurality of independently operative fluid actuated devices, of a source of fluid pressure, and means operative in response to an impulse of energy to cause the distribution of fluid pressure from said source to one of said devices to actuate the same, and operative upon the cessation of said impulse to cause the distribution of fluid from said source to another of said devices to actuate the same.

1,544,050. MATRIX ROLL AND METHOD OF MAKING THE SAME. ERASTUS B. WINSLEY, Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J., a Corporation of New Jersey. Filed Dec. 19, 1921. Serial No. 523,527. 23 Claims. (Cl. 22—195.)

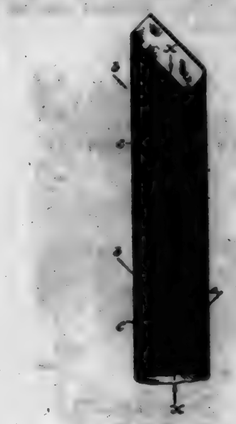


1. A step in the method of making matrix rolls which consists in impressing a pattern form in the periphery of a plastic body while rotating the body and giving its axis of rotation a pre-determined path of travel with relation to the pattern.

1,544,051. PROCESS OF BIAS CUTTING. ORRIS B. SOLIER, New York, N. Y., assignor to Brand & Oppenheimer, Incorporated, New York, N. Y., a Corporation of New York. Filed June 30, 1923. Serial No. 648,853. 1 Claim. (Cl. 2—248.)

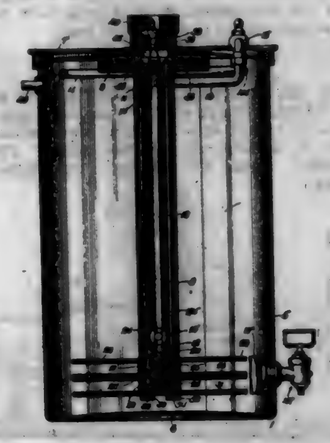
The improvement in the art of bias-cutting fabrics which comprises bending woven material having the

warp and weft threads thereof extending parallel and perpendicular, respectively, to the selvedge so that the warp and weft threads will lie in helical lines, uniting



the edges of the material to form a tube, and then slitting open the tube along a line running parallel to the axis thereof, substantially as described.

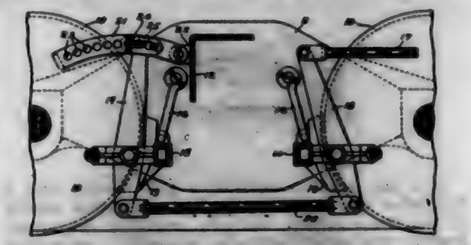
1,544,052. METHOD OF AND APPARATUS FOR PURIFYING LIQUIDS. MEREDITH D. AVERY, Chicago, Ill. Filed Jan. 19, 1923. Serial No. 613,648. 8 Claims. (Cl. 204—25.)



1. The method of electrically purifying liquids which includes rotating a confined body of liquid by effect of its velocity between oppositely polarized surfaces.

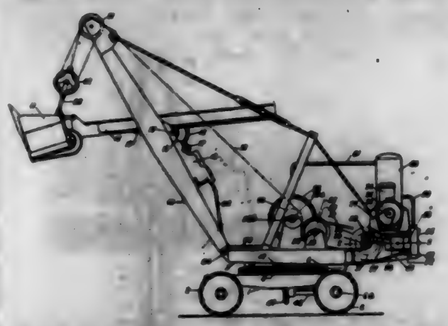
1,544,053. ADJUSTING MEANS FOR RAILWAY BRAKES. CHARLES O. ANDERSON, Omaha, Nebr. Filed May 12, 1924. Serial No. 712,774. 3 Claims. (Cl. 188—197.)

2. In a railway brake mechanism, the combination with a dead-lever, and a dead-lever-guide having a series of longitudinally spaced fulcrum-pin holes therein, of a head carried by said lever adjoining said guide, said head having a plurality of fulcrum-pin holes spaced in vernier-like relation to the holes in the guide, whereby the holes in the head may register successively with holes in the guide when the lever is at adjusted positions intermediate those in which any one hole of the head is



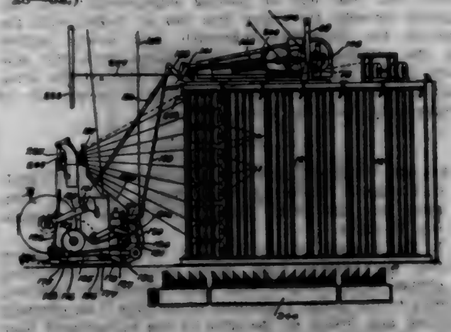
in register with a hole in the guide, and a fulcrum-pin insertible through the registering holes to connect the lever and guide in said intermediate positions of adjustment.

1,544,054. EXCAVATING MACHINE. EDWIN J. ARMSTRONG, Erie, Pa., assignor to Erie Steam Shovel Company, Erie, Pa., a Corporation of Pennsylvania. Filed June 14, 1924. Serial No. 720,128. 9 Claims. (Cl. 214—135.)



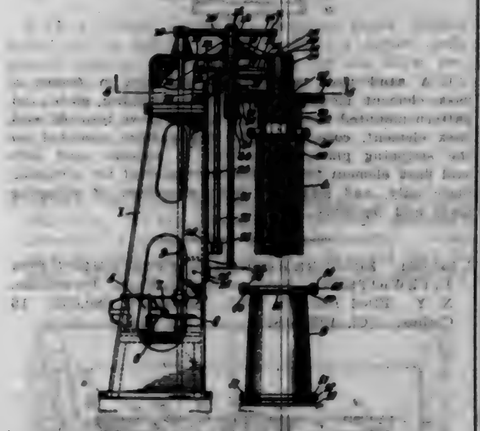
1. In an excavating machine, the combination of a turning platform; a compressor frame formed at the rear of the platform; a motor mounted over the compressor; and excavating devices driven by the fluid compressed.

1,544,055. WARPING. HOWARD D. COLMAN, Rockford, Ill., assignor, by mesne assignments, to Edgar S. Nethercut, Evanston, Ill. Filed Sept. 10, 1917, Serial No. 190,501. Renewed Feb. 10, 1923. 86 Claims. (Cl. 28—32.)



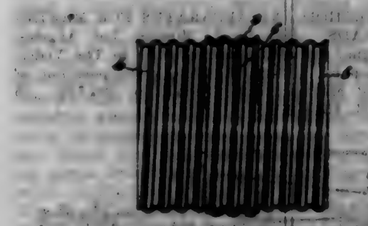
33. A creel-braking mechanism having, in combination, a brake-controlling arm, thread-controlled means for holding said arm in brake-released position, said arm tending to move into brake-applied position, a cam for moving said arm into brake-released position, said cam having an intermediate dwell portion, a starting and stopping device controlling said cam, means connected to move with the arm for operating the starting and stopping device, means for locking the starting and stopping device in running position, and a device moving with the cam for operating the locking means to unlock the starting and stopping device, when the dwell portion is in engagement with the arm.

1,544,056. APPARATUS FOR MOLDING PIPE. DANIEL BAKER DIMICK, Birmingham, Ala. Filed Sept. 16, 1922. Serial No. 588,649. 9 Claims. (Cl. 22—14.)



2. An apparatus for molding pipe comprising a mold, a pattern having a spiral wall extending to both interior and exterior faces thereof adapted to be received into said mold and to receive the sand against both interior and exterior faces thereof, a master screw having the same pitch as said pattern supported externally of the mold, and rotating means traveling on said master screw and coupled to said pattern for simultaneously turning and withdrawing the pattern axially from the mold.

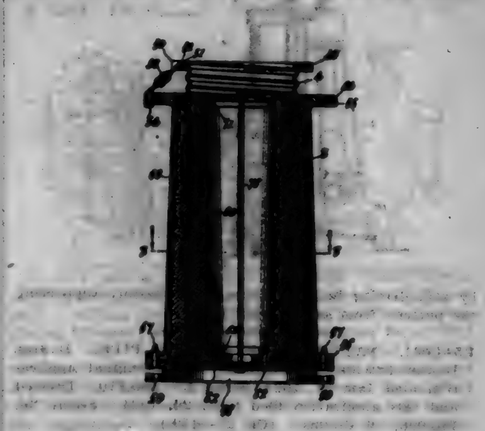
1,544,057. CAST PIPE AND JOINT THEREFOR. DANIEL BAKER DIMICK, Birmingham, Ala. Filed Sept. 16, 1922. Serial No. 588,650. 2 Claims. (Cl. 137—75.)



2. A seamless cast metal spirally corrugated thin walled pipe.

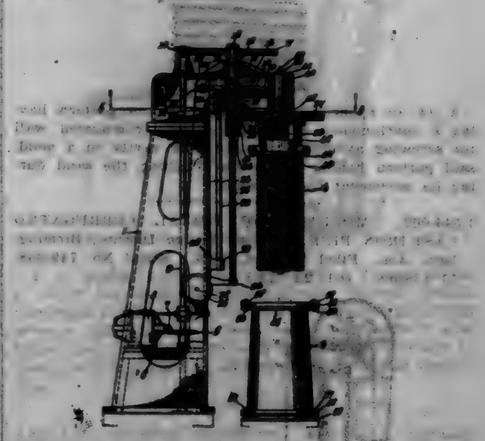
1,544,058. PIPE MOLD. DANIEL BAKER DIMICK, Birmingham, Ala. Original application filed Sept. 16, 1922, Serial No. 588,649. Divided and this application filed Jan. 22, 1924. Serial No. 687,867. 9 Claims. (Cl. 22—183.)

1. A molding apparatus for casting pipe comprising inner and outer mold members having an annular space therebetween for receiving the sand, and a spirally corrugated pattern adapted to pass centrally through the sand and having means at its upper end cooperating



with the upper end of the outer member of the mold to hold such pattern against displacement, substantially as described.

1,544,059. METHOD OF CASTING PIPE. DANIEL BAKER DIMICK, Birmingham, Ala. Original application filed Sept. 16, 1922, Serial No. 588,649. Divided and this application filed Jan. 22, 1924. Serial No. 687,868. 2 Claims. (Cl. 22—199.)

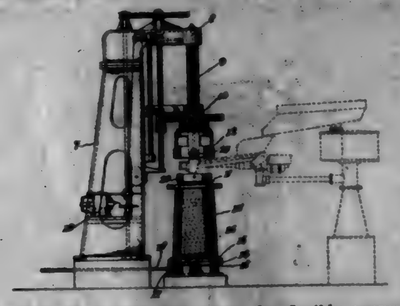


2. The herein-described method of casting pipe which consists in placing a hollow spirally-corrugated pattern in a mold in a substantially upright position, packing sand in the mold against both inside and outside walls of the hollow pattern, withdrawing said pattern from the mold by a simultaneous rotary and longitudinal motion, and pouring molten metal into the mold cavity so formed.

1,544,060. APPARATUS FOR CASTING PIPE. DANIEL BAKER DIMICK, Birmingham, Ala. Filed Jan. 31, 1924. Serial No. 689,810. 3 Claims. (Cl. 22—14.)

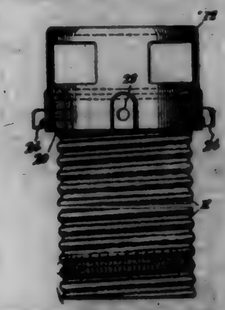
1. In an apparatus for casting pipe, a driving head and a continuously cylindrical and corrugated pattern

adapted to be simultaneously lifted and rotated out of a continuously cylindrical cavity in the sand in a mold



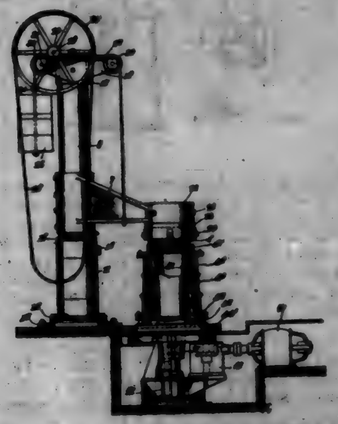
by said driving head, and means for flexibly supporting the pattern from said driving head.

1,544,061. PATTERN FOR CASTING PIPE. DANIEL BAKER DIMICK, Birmingham, Ala. Original application filed Jan. 31, 1924, Serial No. 689,810. Divided and this application filed Sept. 26, 1924. Serial No. 740,066. 6 Claims. (Cl. 22—159.)



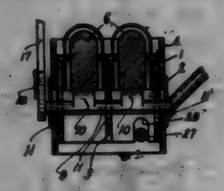
1. In an apparatus for casting pipe, a pattern having a continuously cylindrical spirally corrugated wall for screwing axially out of the sand cavity in a mold, said pattern having means for roughing the sand during its movement therethrough.

1,544,062. MOLDING OF SPIRAL CORRUGATED CAST-IRON PIPE. DANIEL BAKER DIMICK, Birmingham, Ala. Filed Nov. 10, 1924. Serial No. 749,068. 11 Claims. (Cl. 22—18.)



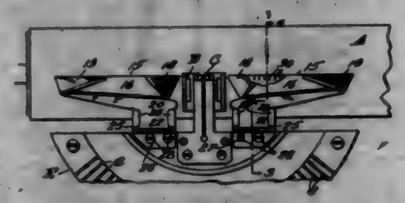
1. An apparatus for casting pipe comprising a rotary turn table, means to rotate said turn table, a flask supported upon said turn table, and a spiral pattern held against rotation and supported for axial movement of the pattern.

1,544,063. SAND-MOLDING APPARATUS. SAMUEL P. KING, Birmingham, Ala. Filed Aug. 6, 1923. Serial No. 656,060. 12 Claims. (Cl. 22—25.)



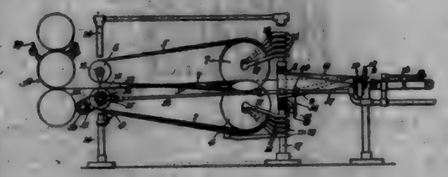
1. A sand mold apparatus, comprising a frame, a flask element mounted thereon, a stripping plate and pattern mounted in the frame free to move towards said flask element, core prints for the pattern mounted on the stripping plate, and means to squeeze sand into said flask element first by the movement of the stripping plate only, and lastly by joint movement of stripping plate and patterns.

1,544,064. ERASURE-RECEIVING ATTACHMENT FOR TYPEWRITERS. EDWARD K. MCNEAL, Forestville, N. Y. Filed Dec. 11, 1923. Serial No. 680,001. 16 Claims. (Cl. 197—131.)



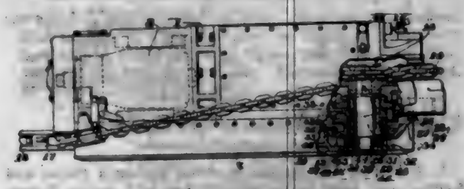
1. An attachment for typewriters comprising a receptacle adapted to receive material dropping from the work supported on the platen and means for supporting said receptacle on the typewriter in its operative position during the operation of said typewriter and relatively to which receptacle said platen may move during the operation of the typewriter.

1,544,065. METHOD AND APPARATUS FOR MAKING TIRE TREADS. HOWARD I. MORRIS, Los Angeles, Calif., assignor, by mesne assignments, to The Yoder-Morris Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 5, 1919. Serial No. 294,733. 25 Claims. (Cl. 154—9.)



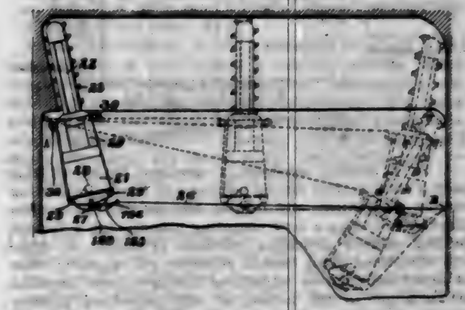
14. A tread machine having vertically disposed compressing rolls and a series of supporting, conveying and folding means converging toward the point of contact of said rolls, said means being spaced apart so that the folds formed thereby decrease in width progressively from one side to the other.

1,544,066. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 12, 1917, Serial No. 201,468. Renewed Oct. 29, 1924. 30 Claims. (Cl. 262—30.)



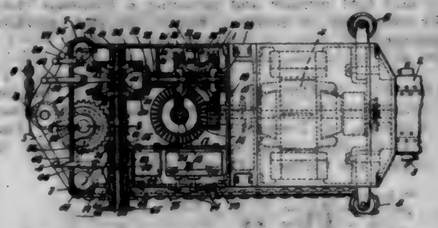
1. In a mining machine, a machine frame slidable bodily on its bottom during cutting, a cutter chain driving member thereon, a bearing for the latter preventing lateral displacement thereof, and means including an opening in the bottom of said frame and a removable closure therefor for enabling removal of said bearing through the bottom of said frame.

1,544,067. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 22, 1918, Serial No. 224,072. Renewed May 12, 1923. Serial No. 552,598. 158 Claims. (Cl. 262—30.)



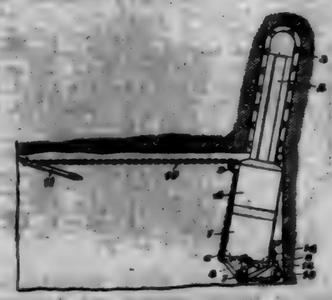
1. A room and pillar mining machine slidable on the mine bottom comprising a frame, cutting mechanism thereon including a cutter bar projecting from said frame in fixed longitudinal relation thereto and carrying a rotatable cutter chain provided with elements circulating in orbits extending longitudinally of said bar and operative to cut and clear kerfs, flexible feeding means operative to effect feeding movement and to determine the angular relation of said machine to a working face during the various cutting operations and including advance and receding portions disposable laterally in opposite directions from the opposite ends of said frame, and feed operating and cutter chain driving means including a motor having a power shaft disposed longitudinally of said frame and means actuatable by the rear end of said power shaft and disposed wholly to the rear of the front end of said motor and operative to effect circulation of said cutter chain and to wind in said advance portion and unwind said receding portion to feed said machine at a predetermined low speed across a face as said cutter chain is rotated in one direction, said means having provision for winding in said receding portion at a like predetermined speed and at another speed, both without reversing the direction of said cutter chain or motor or alteration in the mode of operative connection between said receding portion and said winding means existing during said feed across the face.

1,544,068. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Mar. 28, 1918, Serial No. 225,340. Renewed Oct. 8, 1923. 260 Claims. (Cl. 262—30.)



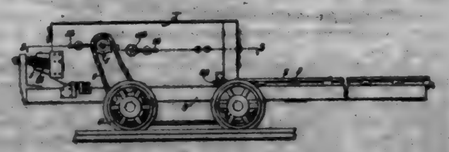
1. In a mining mechanism, a wheeled truck adapted to provide a support for a mining machine during transport, a mining machine adapted to be mounted thereon during transport but dismountable therefrom for cutting upon a mine bottom and including a motor, cutting means operable thereby, a truck driving member and transmission means driven by said motor for driving the truck driving member at different speeds, and means for operatively connecting said truck driving member and the wheels of said truck.

1,544,069. MINING MACHINE. FRED T. LORENZ, Winslow, Ind., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 18, 1918, Serial No. 235,284. Renewed Dec. 11, 1924. 25 Claims. (Cl. 262—30.)



1. A mining apparatus comprising a frame having a cutter bar extending longitudinally thereof, flexible transverse feeding means therefor including single strand advance and receding portions at opposite ends of said frame, and means whereby said receding portion may be operatively connected at will as a double strand connection.

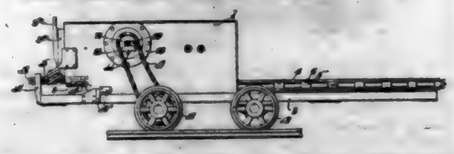
1,544,070. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 21, 1919. Serial No. 305,825. 43 Claims. (Cl. 262—30.)



38. The combination with a mining machine, of a motor thereon, a truck driving member, driving connections between said motor and said member, a feed op-

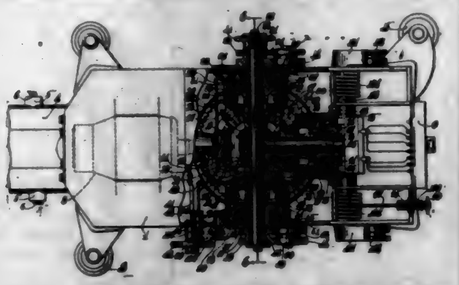
erating member, and connections between said connections and said feed operating member driven by the terminal element of said connections and including a plurality of drive trains and clutch mechanism controlling the connection of the terminal element of said trains to said feed member and including a frictional clutch for obtaining a constant torque on said operating member.

1,544,071. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 21, 1919, Serial No. 312,346. Renewed Nov. 20, 1924. 119 Claims. (Cl. 262—30.)



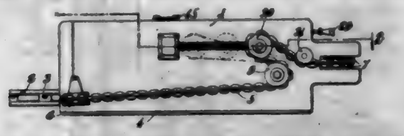
1. The combination with a mining machine, of a feed operating member, cutting mechanism, and variable speed mechanism therebetween operative to cause the speeds of said feed operating member and said cutting mechanism to vary inversely.

1,544,072. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 13, 1921. Serial No. 477,041. 49 Claims. (Cl. 262—30.)



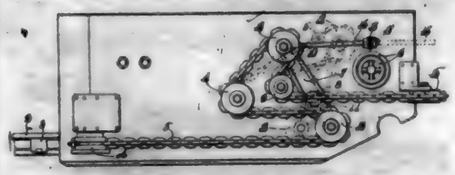
1. In a mining machine, feeding mechanism including a plurality of friction clutches and a supplemental variably controllable dragging friction clutch operatively connected to one of the elements of said clutches and adapted on loading to retard the rotation of either of said clutches.

1,544,073. MINING MACHINE. ROBERT C. OSGOOD, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 13, 1921. Serial No. 477,045. 23 Claims. (Cl. 262—30.)



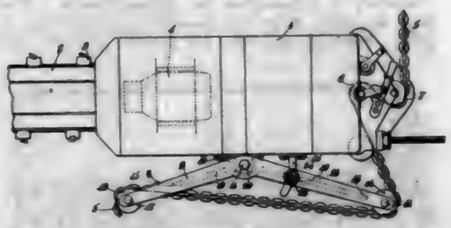
1. In a mining machine, a frame slidable on a mine bottom during cutting, a feed operating member thereon, a flexible feed member engaging said feed operating member and extending in opposite directions from opposite ends of said frame, and take-up means rectilinearly movable longitudinally on the frame adjacent said operating member and operative to effect angling of said machine frame without changing the point from which the feed operating member leaves the frame.

1,544,074. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 13, 1921. Serial No. 477,042. 80 Claims. (Cl. 262—30.)



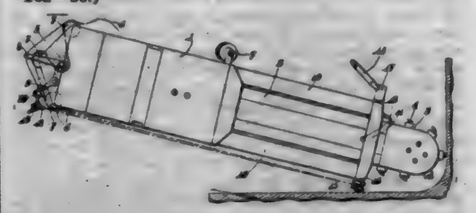
1. A flexibly fed mining machine having a frame and feeding and guiding mechanism for said frame including flexible feeding means including flexible portions extending oppositely from points adjacent opposite ends of said frame, and takeup means operable by the pull of one of said portions while both are under tension to shorten the then receding portion.

1,544,075. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed July 18, 1921. Serial No. 485,091. 23 Claims. (Cl. 262—30.)



1. In a mining machine, a machine frame slidable upon a mine bottom during cutting and having projecting cutting mechanism, and feeding and guiding mechanism therefor including a feed operating member and a flexible feeding member providing portions extending in opposite directions from points adjacent the opposite ends of said frame and an adjustable takeup member disposed at an angle to the horizontal and presenting guiding means at the opposite ends of said frame with which said flexible feeding member cooperates, one of said guiding means and said feed operating member being so disposed as to be cut by horizontal planes substantially above the plane of said cutting mechanism and the other of said guiding means being cut by horizontal planes cutting said cutting mechanism.

1,544,076. MINING MACHINE. EDMUND C. TREESE, Huntington, W. Va., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Oct. 12, 1921. Serial No. 507,344. 18 Claims. (Cl. 262—30.)



1. In a mining apparatus, a mining machine having a frame and telescopic guiding means supported by said frame adapted to be fixed in extended position, and a self-contained feeding means independent of the fixation means having operative connection with said guiding means and said machine frame.

1,544,077. MINING MACHINE. EDMUND C. TREESE, Huntington, W. Va., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed Nov. 19, 1921, Serial No. 516,494. Renewed Dec. 5, 1924. 18 Claims. (Cl. 105—107.)

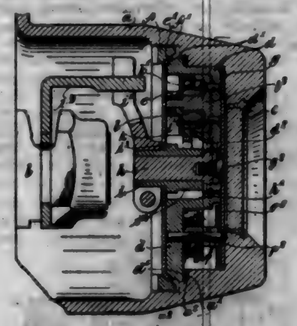


1. In a mining apparatus, a mining machine truck, a mining machine slidable thereover during loading or unloading and having flexible truck driving connections connected thereto and a single longitudinally adjustable means between said machine and truck for insuring proper tensioning of said flexible driving connections in either direction.

1,544,078. ELECTROLYSIS OF ALKALI-METAL CHLORIDES. CHARLES F. VAUGHN and RALPH E. GROSSHEIMER, Niagara Falls, N. Y., assignors to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed Jan. 7, 1921. Serial No. 435,788. 7 Claims. (Cl. 204—58.)

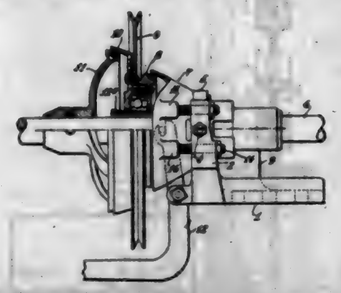
1. The improvement in the electrolysis of alkali metal salt solutions in cells having a mercury cathode, which comprises electrolyzing the solution, resaturating the solution with salt containing impurities which are taken into solution and which are active during electrolysis, removing such impurities following the resaturation and before returning the solution for electrolysis, and returning the solution for electrolysis.

1,544,079. HUB ODOMETER. CURTIS HUSSEY VEEDER, Hartford, Conn., assignor to The Veeder Manufacturing Company, Hartford, Conn., a Corporation of Connecticut. Filed Nov. 18, 1924. Serial No. 750,513. 3 Claims. (Cl. 235—95.)



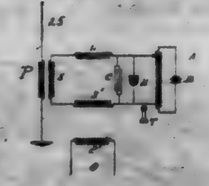
1. In a hub odometer having a hub cap formed with a recess extending from the inner end of the cap outward, a frame supporting the odometer mechanism arranged in said recess and a protecting plate at the inner side of the frame and odometer mechanism, means for securing the plate in position comprising a bevel formed on the inner face of the frame at its periphery, an outwardly inclined flange at the periphery of the protecting plate fitting the bevel on the frame and means for holding the inclined flange of the protecting plate against the beveled periphery of the frame consisting of a ring nut having its interior face beveled and having its exterior provided with means for engaging the interior of the cap.

1,544,080. TRANSMISSION APPARATUS. MAX T. VOIGT, Reading, Pa., assignor to Louis Frankel, New York, N. Y. Filed July 29, 1922. Serial No. 578,296. 9 Claims. (Cl. 192—18.)



1. Apparatus of the character described, comprising a constantly rotating body, a member adapted to be rotated thereby, means for moving the member to engage the body, and pivotal means for adjusting the body relatively to the member.

1,544,081. TRANSMITTING INTELLIGENCE BY RADIANT ENERGY. FREDERICK K. VREELAND, Montclair, N. J., assignor to Vreeland Apparatus Company, Inc., New York, N. Y., a Corporation of New York. Original application filed Jan. 2, 1907, Serial No. 350,476, Patent No. 1,289,852, dated Sept. 11, 1917. Divided and this application filed Oct. 27, 1915. Serial No. 58,100. 6 Claims. (Cl. 250—8.)

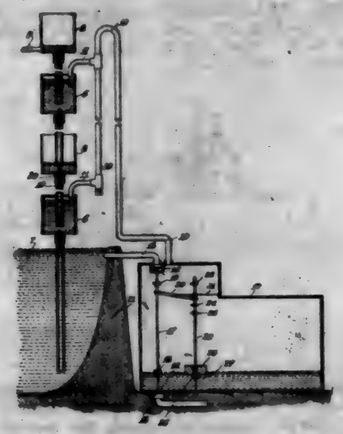


1. The method of receiving oscillating current energy by first combining it with the energy of a separately produced auxiliary oscillating current whose frequency is slightly different from the frequency of the received current, and then rectifying and utilizing the combined current to operate an indicator.

1,544,082. LIQUID-RAISING SYSTEM. HERBERT JAMES CLEMENT WELLS, New York, N. Y. Filed Feb. 21, 1923. Serial No. 620,337. 6 Claims. (Cl. 103—237.)

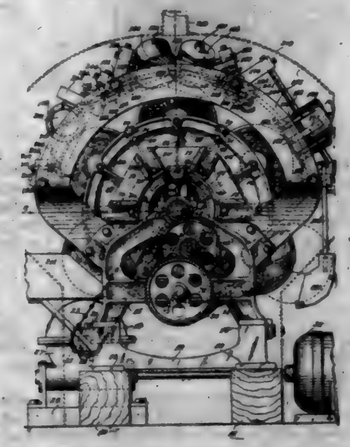
1. In a liquid raising system having an open tank above a closed tank positioned above a supply of liquid to be raised, and one-way upward flow connections from the supply to the closed tank and from the closed tank to the open tank, the combination of a closed chamber connected to the upper portion of each closed tank, an outlet for said chamber, an inlet, a valve device for opening either said outlet or said inlet and concurrently closing the other, and means for operating said valve device comprising a pivoted member swingable between two extreme positions, means acting constantly on said pivot member to cause resistance to movement thereof from either of its extreme

positions to its central position and then to cause the pivoted member to move rapidly to complete its movement to the other extreme position, means, including a float in the chamber and having a lost motion connec-



tion with the pivoted member, to shift the pivoted member from either of its extreme positions past its central position to cause filling or draining of the tank in accordance with the directions of such movement.

1,544,083. METHODS AND MEANS FOR SURFACING OR EDGING ARTICLES. FRANCIS S. WHITTEN, Miami, Fla., assignor, by mesne assignments, to Columbia Phonograph Company, Inc., a Corporation of New York. Filed Oct. 12, 1921. Serial No. 507,514. 45 Claims. (Cl. 29—38.)



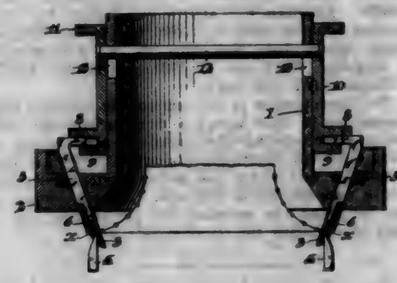
1. In a surfacing machine, a rotatable conveyor for records or the like adapted to support a plurality of records in spaced relation, record holding means having cushioning surfaces for frictionally engaging and supporting the records, means for intermittently rotating the conveyor to bring the records successively into predetermined positions, and means adapted to engage the edges of the records in such positions to surface them.

1,544,084. DOLL. DAVID WIENER, New York, N. Y. Filed Mar. 7, 1924. Serial No. 697,447. 5 Claims. (Cl. 46—40.)



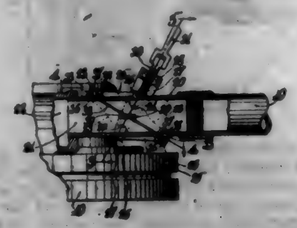
1. A doll or similar toy having a stuffed body, a shoulder-piece secured thereto provided with one element of a detachable connection, and a head and shoulder portion formed in one piece and provided with the other element of the detachable connection, said shoulder portion on the head being adapted to extend over and at least partly cover the shoulder piece secured to the body.

1,544,085. DEVICE FOR TRANSFERRING KNITTED FABRICS. LOUIS N. D. WILLIAMS, Ogonts, Pa. Filed Feb. 23, 1923. Serial No. 620,589. 11 Claims. (Cl. 66—82.)



1. A device for transferring knitted fabrics including in combination, means adapted to be aligned with the needles of a knitting machine to facilitate impalement of the fabric stitches upon the needles, and incorporated means for subsequently relatively moving the stitches and needles laterally to position the stitches within the needle hooks.

1,544,086. COMBINED STRAINER AND PIPE COUPLING. CHARLES W. WYMAN, Claremont, N. H., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed June 17, 1921. Serial No. 478,434. 26 Claims. (Cl. 183—51.)



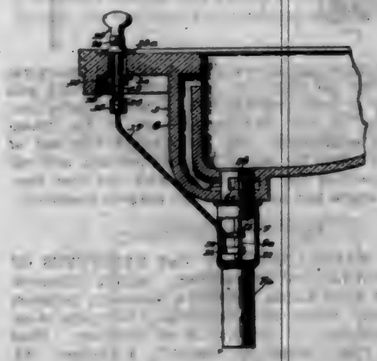
1. A fluid conduit comprising pipe sections having diagonal meeting surfaces, a strainer disposed therebetween, and quick detachable unitary clamping means therefor.

1,544,087. BUTTON FASTENER. JOHN A. DUPAUIL, Cleveland, Ohio. Filed Mar. 20, 1925. Serial No. 16,977. 6 Claims. (Cl. 24—97.)



1. A button fastener comprising, a shank, yieldable expansible gripping jaws carried at one end of the shank, a base plate, and means on the plate releasably engageable between the jaws.

1,544,088. WASTE-VALVE-CONTROLLING DEVICE. CARL H. DUBBY, Cedar Rapids, Iowa, assignor to Dearborn Brass Company, Cedar Rapids, Iowa. Filed Jan. 8, 1924. Serial No. 684,982. 3 Claims. (Cl. 4—208.)



1. Combined with a lavatory waste-valve having a depending stem, a seat therefor provided with a guide for said stem, a flexible pull-and-thrust member attached to the stem below said guide, a tubular guide for said member, and means attached to the free end of said member for operating the same to open and close the valve, the valve-stem guide forming a stop to limit the lift of the valve.

1,544,089. SAFETY SWITCH AND FUSE BOX. CHARLES L. EIDLITZ, New York, N. Y., assignor to Metropolitan Electric Manufacturing Company, a Corporation of New Jersey. Original application filed Aug. 14, 1919, Serial No. 317,515. Divided and this application filed June 17, 1921. Serial No. 478,263. 9 Claims. (Cl. 200—50.)



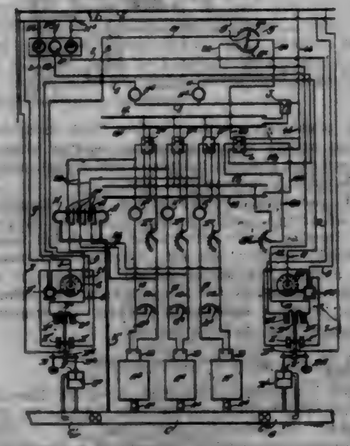
1. In a safety switch and fuse box, the combination of a casing and a cover therefor, a switch within the casing and having an operating member projecting thru the cover when the cover is in closed position, the member and opening through which it projects being so shaped as to permit the cover to be opened, a locking member carried by the operating member, means carried by the cover and co-acting with said locking member to permit the cover to be opened when the switch is in the "off" position and prevent it when in other positions.

1,544,090. MEASURING DEVICE. OTTO EPPENSTEIN, Jena, Germany, assignor to the Firm of Carl Zeiss, Jena, Germany. Filed June 19, 1923. Serial No. 646,362. 1 Claim. (Cl. 88—39.)



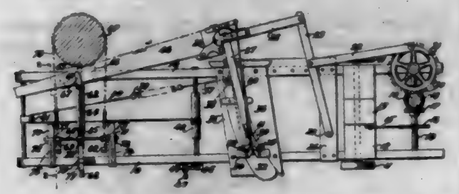
In a device for comparing two distances, running parallelly to each other, a fixed sighting device adapted to observe the one of these two distances, an optical system located in front of the said sighting device and displaceable parallelly to these distances, the optical axis of which system lies in the plane determined by these two distances, the front focal point of which system lies on the distance to be sighted at with this system and of which system that point lies on the other of the two distances which has the property that a ray aiming at it in the object-space emanates from the said optical system at an angle to the axis which is equal to that on entering with respect to magnitude and direction, and means for ascertaining the position of the said optical system with respect to the other distance.

1,544,091. FURNACE REGULATION. GEORGE H. GIBSON, Montclair, N. J. Filed Mar. 5, 1923. Serial No. 622,891. 17 Claims. (Cl. 236—34.5.)



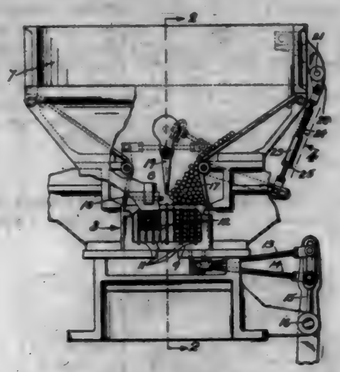
1. The method of automatically regulating combustion in a plurality of boiler furnaces supplying steam to a common distributing system having a plurality of outlets, which consists in establishing a control force proportional to the steam flow through each of said outlets, and varying the aggregate rate of combustion in said boiler furnaces in response to variations in the sum of said control forces.

1,544,002. TREE-FELLING APPARATUS. MOSES G. HUBBARD, Chatham, N. J., assignor to Excelsior Tree Felling Saw Co., Inc., a Corporation of New York. Filed July 23, 1921, Serial No. 487,022. Renewed December 5, 1924. 8 Claims. (Cl. 143—63.)



1. Tree-felling apparatus comprising a frame, a saw supported thereby, a slide mounted to move across the frame, a rigid lever pivotally connected with the saw and mounted on said slide so as to rock across the same during operation, a spring attached to said slide adapted to move the same forward during operation, and a motor on said frame adapted to reciprocate the saw.

1,544,093. PACKAGING-MACHINE ARTICLE FEED. MAXIMILIAN KLEIN, North Plainfield, N. J., assignor to American Machine and Foundry Company, a Corporation of New Jersey. Filed Aug. 26, 1924. Serial No. 734,171. 16 Claims. (Cl. 226—5.)

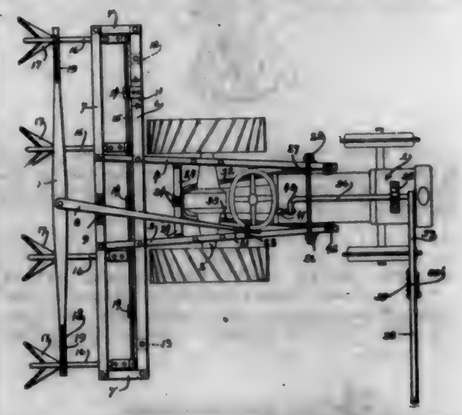


1. A packaging-machine article feed comprising a source of article supply having a delivery throat, two sets of coacting stacking devices in said throat, and means for differentially moving said sets.

16. A packaging-machine article feed comprising a source of article supply having a delivery throat, two sets of coacting stacking devices in said throat, means for differentially moving said sets, ejecting mechanism, and means including a spring-pressed locking pin uniting operative connections for incapacitating and rehabilitating said ejecting mechanism without interrupting the operation of said stacking devices.

1,544,094. CULTIVATOR. HELLMUTH E. KRESS, Fayetteville, Tex. Filed July 24, 1923. Serial No. 653,491. 1 Claim. (Cl. 97—47.)

The combination with a tractor; of a frame comprising a pair of longitudinally extending bars connected to the axle housing of the tractor intermediate their ends, a transverse bar extending across the outer ends of said longitudinal bars, a second transverse bar suspended from and below the first mentioned transverse bar, plow beams hingedly connected to the last mentioned transverse bar and extending rearwardly thereof, plows on the outer ends of said beams, a third transverse bar supported at the rear ends of said longitudinal bars, means for raising and lowering said plow beams comprising a lever fulcrumed intermediate of its ends centrally of the third transverse bar, a transverse beam pivotally connected to the rear end of said lever and arranged in a plane above said beams, a spacing and connecting bar engaged with said plow beams, and pairs of downwardly

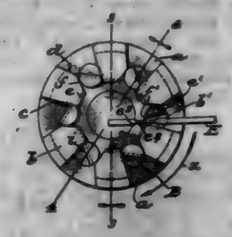


divergent flexible connections engaged with the transverse beam at their one ends and with said connecting and spacing bar at their opposite ends, a hook member carried on one of the longitudinal bars of the frame adapted for engagement with the forward free end of said lever to retain the beams in raised position, and coil springs connecting the plow beams with the first mentioned transverse bar, as and for the purpose described.

1,544,095. MANUFACTURE OF VAT DYESTUFFS OF THE ANTHRAQUINONE SERIES. ARTHUR LÜTTRINGHAUS and FILIP KAČER, Mannheim, Germany, assignors to Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-Rhine, Germany, a Corporation of Germany. Filed Dec. 12, 1923. Serial No. 680,257. 4 Claims. (Cl. 260—44.)

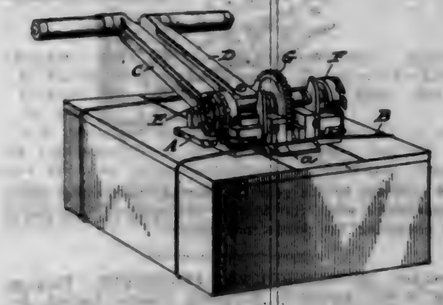
1. The process of producing vat dyestuffs of the anthraquinone series which consists in a 1-mercapto-2-aminoanthraquinone body with a glyoxal body.

1,544,096. TENSION MEANS FOR WIRE-TYING MACHINES. JOHN SHERMAN MCCHESNEY, Chicago, Ill., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 746,281. 5 Claims. (Cl. 254—61.)



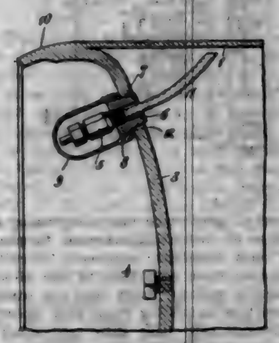
5. A tension head for wire tying machines embodying a body member recessed in one face and provided with a tie-locking abutment, and a tie-locking member rotatable in said body member and positioned in the recess thereof for contact with a tie when the latter is inserted, said locking member and the abutment co-operating with a deformed tie to lock the same in fixed engagement with said head.

1,544,097. TENSION DEVICE FOR WIRE-TYING MACHINES. JOHN SHERMAN MCCHESNEY, Chicago, Ill., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Oct. 28, 1924. Serial No. 746,282. 7 Claims. (Cl. 254—51.)



6. A tension head for wire tying machines embodying a rotatable member provided with notched rims for a deformed wire tie and having a plurality of tangential pockets for receiving and retaining a plain wire tie.

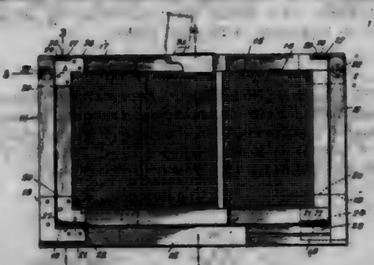
1,544,098. VALVE FOR LIQUEFIED-GAS CONTAINERS. MAX MAURAN, Niagara Falls, N. Y., assignor to The Mathieson Alkali Works, Inc., New York, N. Y., a Corporation of Virginia. Filed May 18, 1922. Serial No. 562,002. 6 Claims. (Cl. 220—85.)



1. A container for liquefied gases having a dished head and a chime extending beyond the head, the head having one or more projections beyond its outer surface near its junction with the cylindrical wall of the container, an internally threaded bore through each such projection, a valve screwed into the bore, the valve having its operating mechanism lying beyond the end of the projection and having a pipe extending through the bore into the container to a point near the wall of the latter, and a cap for enclosing and protecting the valve removably mounted on the projection.

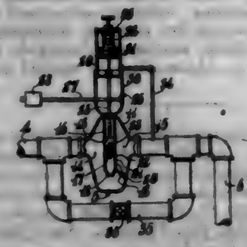
1,544,099. WINDOW SCREEN. EDWARD NUEBLING, New York, N. Y. Filed Dec. 12, 1923. Serial No. 680,078. 7 Claims. (Cl. 156—38.)

1. In a window screen, an outer supporting frame comprising a pair of vertical uprights and an extensible cross bar secured to and connecting the lower extremities of said uprights; a screen section pivotally secured to each of said uprights for free movement to opened position, means for detachably securing said supporting frame rigidly within a window frame and means to lock said screen sections in closed position, said supporting frame being free from connecting cross bars at the upper end



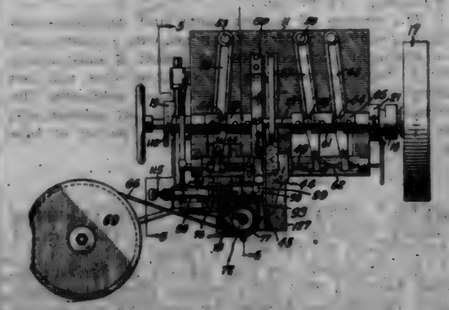
thereof whereby a free, unobstructed opening will be provided when said screen sections are moved to opened positions.

1,544,100. AIR-LIFT PUMPING MECHANISM. CHARLES BRAND OFFICER, Chicago, Ill., assignor to Sullivan Machinery Company, a Corporation of Massachusetts. Filed May 19, 1923. Serial No. 640,027. 10 Claims. (Cl. 103—11.)



1. In an air lift pumping mechanism, a source of pumping fluid, a foot piece, and means connecting the same including means always in communication with the fluid flow to said foot piece for varying the communication between them in proportion to the variations in the hydrostatic head against which pumping fluid is discharged, said connecting means being adapted to allow a flow of fluid which is insufficient to pump a normal flow of liquid under any head thereof during the existence of normal pumping pressure.

1,544,101. ENVELOPE FASTENER AND PATCH-APPLYING MACHINE. ALBERT OLOAT, Glenellyn, Ill., assignor to Gaw-O'Hara Envelope Co., Chicago, Ill., a Corporation of Illinois. Filed Mar. 5, 1923. Serial No. 622,843. 4 Claims. (Cl. 93—61.)



1. In a machine of the character described, the combination of a stationary anvil adapted to receive an envelope, means for punching and applying patches to the

envelope flap, a reciprocatory fastener applying punch, a feed wheel for feeding a strip of fasteners to said punch, means for imparting an intermittent movement to said wheel, and means for positioning the endmost fastener in alignment with said punch.

1,544,102. ARC GENERATOR. PEDER OLUF PEDERSEN, Frederikaberg, near Copenhagen, Denmark, assignor, by mesne assignments, to Poulsen Wireless Corporation, a Corporation of Arizona. Filed June 21, 1919. Serial No. 305,844. 18 Claims. (Cl. 250—38.)



1. In an arc converter, a pair of electrodes, and means for restricting the travel of the arc along one of the electrodes, comprising means for cooling said electrode on a restricted place on the electrode corresponding to the limit of arc travel, said cooling being of such degree as to prevent the continuation of the arc at the cooled place.

1,544,103. PROCESS OF MAKING SOAPS AND DETERGENTS. ROBERT M. PETTIT, Baltimore, Md., assignor to Colloidal Soap Products Corporation, Dover, Del., a Corporation of Delaware. Continuation of application Serial No. 752,124, filed Nov. 25, 1924. This application filed Feb. 27, 1925. Serial No. 12,172. 3 Claims. (Cl. 87—16.)

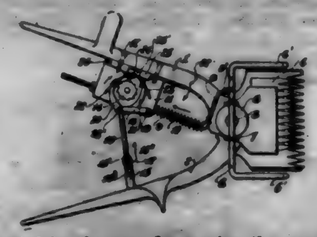
1. The process of making soaps and detergents consisting of subjecting potato pulp mixed with a caustic alkali to a mixing in a closed mixer, at a heat of substantially 210° F., for a period of ten to twenty minutes, and then adding soda ash and saponifiable oil, and subjecting this mixture to a mixing in a closed mixer, at substantially the same temperature as before, for a period of from ten to twenty minutes.

1,544,104. PROCESS OF MAKING SOAPS AND DETERGENTS. ROBERT M. PETTIT, Baltimore, Md., assignor to Colloidal Soap Products Corporation, Dover, Del., a Corporation of Delaware. Continuation of application Serial No. 752,124, filed Nov. 25, 1924. This application filed Feb. 27, 1925. Serial No. 12,173. 2 Claims. (Cl. 87—16.)

1. The process of making soaps and detergents consisting of subjecting potato pulp mixed with a caustic alkali to a mixing in a closed mixer, at a heat of substantially 210° F., for a period of ten to twenty minutes, and then adding soda ash and a fatty acid, and subjecting this mixture to a mixing in a closed mixer, at substantially the same temperature as before, for a period of from ten to twenty minutes.

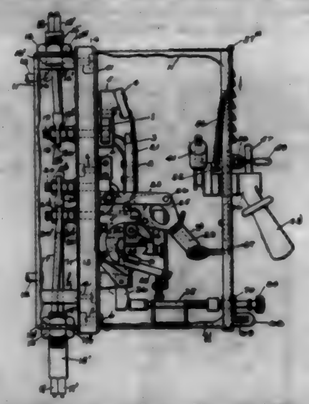
1,544,105. ATTACHMENT FOR HAIR CLIPPERS. GEORGE POSNICK, Springfield, Mass. Filed Jan. 7, 1922. Serial No. 527,631. 7 Claims. (Cl. 30—1.)

1. An attachment for hair clippers of the type described having a fixed and a movable plate and comprising, in combination, handles for operating the movable plate, a member pivotally connected to a fixed part of the clipper and designed to be tilted below the lower surface of the fixed plate, pawls connected to the movable plate, a ratchet wheel on one of the handles and actuated by the pawls from the other handle, a gear actuated by the ratchet wheel, a rack connected to said member



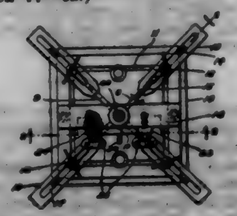
and actuated by the gear for moving the member below said surface when the handles are operated and means for rendering the pawls inoperative.

1,544,106. SWITCH-HOUSING STRUCTURE. WILLIAM M. SCOTT, Tredyffrin Township, Chester County, Pa. Original application filed Oct. 2, 1919, Serial No. 328,056. Divided and this application filed May 22, 1920. Serial No. 383,362. 12 Claims. (Cl. 200—168.)



11. An electrical protective unit comprising a pair of housings, a base of insulating material forming a common wall of said housings, automatic circuit breaker mechanism secured upon said base in one of said housings and accessible without entry into the other of said housings, connectors extending from said circuit breaker mechanism through said base into said other of said housings, conductors extending from the exterior into said other of said housings, to effect electrical communication with said connectors, and means for attaching said other of said housings to a support for supporting the unit.

1,544,107. CHUCK. ARTHUR E. SHARPLES, Providence, R. I. Filed June 15, 1922. Serial No. 568,087. 1 Claim. (Cl. 77—62.)



A work chuck comprising a base, a rectangularly shaped groove therein, oppositely disposed diagonal grooves also in said base joining said rectangular groove,

a plurality of clamping jaws slidable on the face of said base and each having a slot therein, a pin on each of said jaws slidable in and guided by either said rectangular or diagonal grooves, and a binding bolt extending through the slot in each of said jaws for holding them in adjusted position.

1,544,108. PROCESS OF MAKING BRONZE. HARRY H. SMITH, Berwyn, Pa., assignor of one-half to Anna H. Smith, Berwyn, Pa. Filed Dec. 11, 1923. Serial No. 680,039. 9 Claims. (Cl. 75—1.)

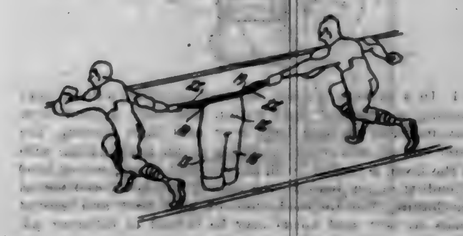
1. A method of making bronze which consists in fusing approximately 40 parts tin, 10 parts zinc and 1 part phosphor copper to produce a foundation metal, using approximately 300 parts copper, raising the temperature of the copper to approximately 2200 degrees and fusing the foundation metal with the copper.

1,544,109. TYPEWRITING MACHINE. JESSE A. B. SMITH, Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed May 4, 1922. Serial No. 558,357. 29 Claims. (Cl. 197—128.)



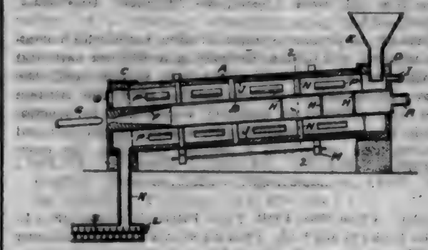
1. In a typewriting machine for typing alternatively upon either of two work-sheets arranged side by side, in combination, a revoluble platen, means co-acting with the platen at one side of the latter to cause work-sheets on the platen to be held thereto and to have line-space movement therewith, and means at the other side of the platen for holding work-sheets in fixed position for printing thereon against the platen, and for effecting a line-space movement of such work-sheets over the platen, independently of movement of the platen, said last-mentioned means being supported in part upon the platen about midway of the platen.

1,544,110. TACKLING DUMMY. WALTER T. STALL, Brockton, Mass. Filed Apr. 29, 1925. Serial No. 26,651. 3 Claims. (Cl. 273—35.)



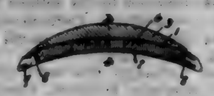
1. A portable tackling dummy, comprising body and leg portions, simulating parts of the body and legs of a foot ball player, and provided at one end with handle members adapted to be grasped by two assistants, the arrangement being such that the assistants may run side by side with the dummy suspended, legs downward, between them, in position to be tackled by a player running in the opposite direction.

1,544,111. PROCESS OF REDUCING ORES. ALFRED STANSFIELD, Montreal, Quebec, Canada. Filed Mar. 22, 1920. Serial No. 367,851. 7 Claims. (Cl. 75—14.)



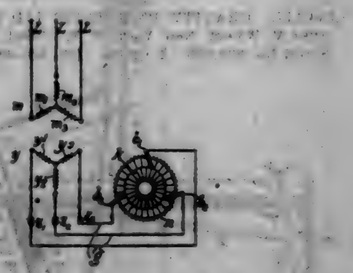
1. The process of reducing iron ores consisting of feeding a preheated mixture of powdered ore and carbonaceous matter into the coolest end of a reducing chamber, passing the mixture with violent agitation in zones of increasing temperature and through the opposite flow of reducing gases in the chamber and withdrawing the material after treatment.

1,544,112. SAFETY RAZOR. EDWIN Q. SULLIVAN, Red Bluff, Calif. Filed Apr. 4, 1922. Serial No. 549,432. 4 Claims. (Cl. 30—12.)



1. A safety razor of the character described comprising a razor blade, two clamping members contacting the blade from opposite sides and means for clamping the members upon the blade, one of the clamping members being formed with a shallow recess in its contacting face allowing the bottom of the recess and the blade to co-operate in drawing in and dispensing a liquid by capillary action.

1,544,113. ALTERNATING-CURRENT INDUCTION MOTOR. THEODORE TORDA, Budapest, Hungary. Filed June 7, 1922. Serial No. 566,559. 9 Claims. (Cl. 172—274.)



1. In an asynchronous induction machine, a stator, a rotor, a polyphase rotor winding for the rotor and connected with slip-rings, a commutator winding and commutator arranged on the rotor, brushes placed in polyphase arrangement for co-operating with the said commutator, brushes for co-operating with the said slip-rings, means connecting the brushes associated with the slip-rings with the brushes associated with the commutator, and means to reduce the mutual induction of the two rotor windings.

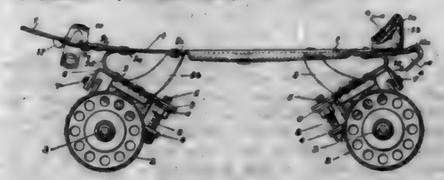
1,544,114. PROCESS OF RECOVERING PURE LITHIUM SALTS. HANS WEIDMANN, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y., a Corporation of New York. Filed Nov. 24, 1924. Serial No. 752,035. 10 Claims. (Cl. 23—63.)

1. Process of preparing pure lithium salts which comprises treating a solution containing a lithium salt and impurities with an alkali metal salt of an acid, the lithium salt of which is less soluble than the lithium salt in said solution in quantity insufficient to precipitate said less soluble lithium salt, separating precipitated impurities, and recovering a lithium salt from the purified solution.

1,544,115. PROCESS FOR THE PRODUCTION OF ALKALI-EARTH-METAL PERMANGANATES. ROBERT E. WILSON, LEON W. PARSONS, and STANLEY L. CHISHOLM, Cambridge, Mass., assignors to The Secretary of War of the United States of America, trustee. Filed July 17, 1922. Serial No. 575,759. 4 Claims. (Cl. 23—58.) (Granted under the act of Mar. 3, 1883, 22 Stat. L. 625.)

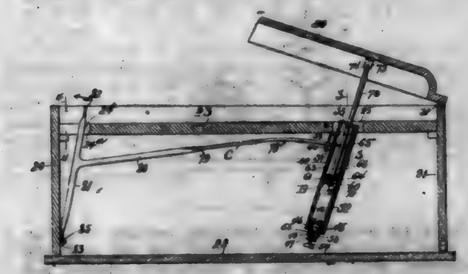
1. In a process of making calcium permanganate, the steps which comprise neutralising permanganic acid with an alkaline compound of an alkaline earth metal of greater atomic weight than calcium and then treating the resulting solution with calcium sulphate.

1,544,116. ROLLER SKATE. RUSSELL WINSLOW, Worcester, Mass., assignor to The Samuel Winslow Skate Manufacturing Company, a Corporation of Massachusetts. Filed Mar. 30, 1923. Serial No. 628,782. 4 Claims. (Cl. 208—173.)



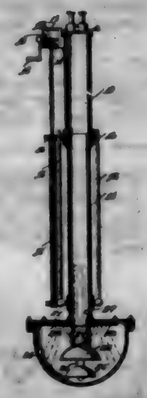
1. In a roller skate, a front hanger or bracket for the front rolls, adapted to be secured to the foot plate, and having, at its front end, guides for the inner edge of the toe clamps, said guides made integral with the hanger or bracket.

1,544,117. GRAVITY PNEUMATIC LID CHECK. ERNEST V. WYATT, New York, N. Y. Filed May 16, 1923. Serial No. 639,356. 1 Claim. (Cl. 16—66.)



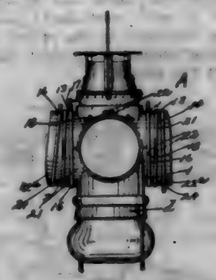
In a pneumatic check the combination, of a cylinder trunnioned to the wall of a receptacle, a piston adapted to move in said cylinder, a piston rod with one end thereof extending from said piston and its other end pinned to the hinged lid of the receptacle, a spring clamping arm comprising a spring member and an operating bar, the lower end of the bar fastened to a wall of the receptacle and the outer end of the spring member adapted to lock with an element extending from said piston at a predetermined position thereof, said bar adapted to swing to move the spring member and means to control the extent of the swing of said bar.

1,544,118. UNDER-WATER PERISCOPE. WILLIAM FLETCHER YANCEY, Philadelphia, Pa. Filed Dec. 28, 1923. Serial No. 683,191. 4 Claims. (Cl. 88—1.)



1. A periscope including a sight tube, a plane reflector carried transversely by one end of the tube, and a curved reflector supported in spaced relation to said tube end and centrally with respect to the plane reflector, said curved reflector being arranged to receive reflections from the plane reflector and reflect such reflections through the tube.

1,544,119. LAMP AND LANTERN. GEORGE F. ZAUN, San Bernardino, Calif. Filed May 3, 1922. Serial No. 558,175. 4 Claims. (Cl. 240—22.)

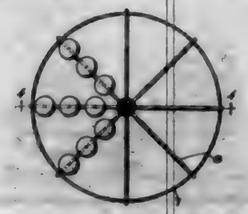


1. In a lantern, a body member provided with a light opening, a source of light within said body, a hood turnably mounted on said body over said light opening, the outer end of said hood extending at an angle to the axis of the hood, a second hood, the rear end of said second hood extending at an angle to the axis of the hood, and means for joining the inclined ends of said first and second hoods so that said hoods may be turned to different positions with relation to each other.

1,544,120. CONFECTION APPARATUS. JOHN TEATSE ZICKOS and WILLIAM TEATSE ZICKOS, Fulton, Mo., assignors of one-third to Thomas Harrison Grant, Fulton, Mo. Filed Sept. 27, 1924. Serial No. 740,310. 3 Claims. (Cl. 91—60.)

1. An apparatus for constructing ice cream coated confections, comprising a carrier formed with a series

of radiating arms, means on each arm to removably support a base with the upper surface of the base entirely



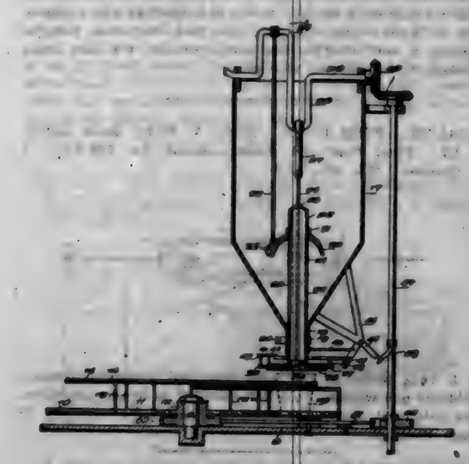
free for the application of an edible mass thereto, and a central support by means of which the carrier may be handled.

1,544,121. ANCHOR. CLAUDE EDWIN ALLEN, Moncton, New Brunswick, Canada. Filed Dec. 24, 1924. Serial No. 757,850. 5 Claims. (Cl. 114—207.)



1. A collapsible anchor comprising a tubular arm formed with an anchoring member at one end and adapted to slidably engage with a turnable anchoring member at the other end.

1,544,122. ICE-CREAM-FILLING MACHINE. GEORGE P. BARCLAY, Uniontown, Pa. Filed Oct. 9, 1923. Serial No. 667,547. 13 Claims. (Cl. 226—107.)

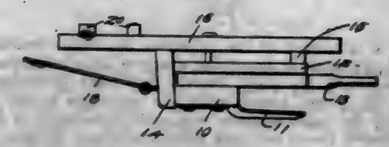


1. A filling machine of the character set forth comprising a container, a cylinder therein having an outlet and an inlet in one side within the container, an expelling plunger operating in the cylinder across the inlet, and a feeding device surrounding the cylinder and mounted to reciprocate on the cylinder and operating in the container outside said cylinder.

11. In a filling machine, the combination with a container, of a cylinder extending upwardly thereinto, a shaft across the container having oppositely disposed cranks, a piston in the cylinder connected to one crank, and a feeder mounted to reciprocate on the cylinder and connected to the other crank.

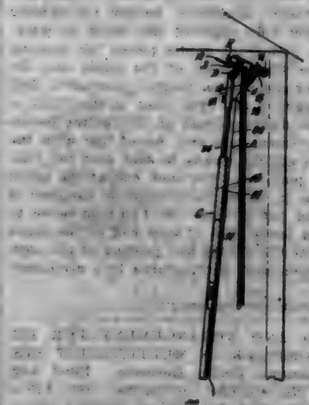
13. In a filling machine, the combination with a container, of a cylinder extending upwardly therein and having an inlet in the container, means for holding the cylinder at different elevations in the container, an expelling plunger in the cylinder, a rotatable crank arm, and an extensible connection between the crank arm and plunger.

1,544,123. TRASH-DUMPING WEEDER. PERRY F. BARTON, Escalon, Calif. Filed Feb. 14, 1923. Serial No. 619,026. 1 Claim. (Cl. 97—144.1.)



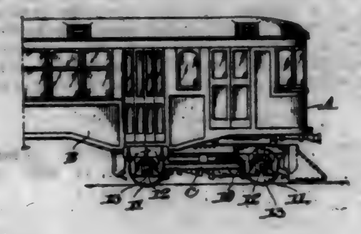
A weeder having a riser, said riser at its lower edge constituting a fulcrum, a platform supported on said riser and extending forwardly thereof to enable the weight of an operator on the platform to tilt it, a cross beam at the base of said riser and rearwardly thereof, weeder blades carried by said cross beam and extending a considerable distance rearwardly therefrom and in contact with the ground to materially increase the supporting surface of the weeder, a beam above and spaced from the cross beam and extending rearwardly beyond the same, handle members disposed intermediate the cross beam and second mentioned beam and extending rearwardly thereof, and a riser adjacent the rear end of the second mentioned beam located between the same and platform and in supporting contact with the latter.

1,544,124. PULLEY HANDLER AND ROPE CATCHER. OTTO G. BAUMGARTENER, Wrightstown, Wis. Filed Aug. 23, 1924. Serial No. 733,845. 6 Claims. (Cl. 294—19.)



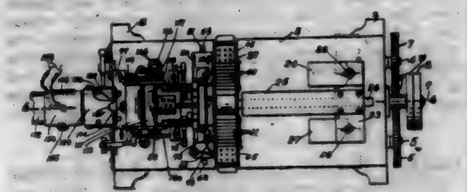
1. A device of the character described comprising a handle, a head adjustably carried by one end of the handle including a face plate, and a pair of jaws associated with the face plate and arranged at right angles thereto and projecting laterally therefrom, as and for the purpose specified.

1,544,125. RAIL COACH. GERALD GORDON BELL, Ottawa, Ontario, Canada. Filed Feb. 16, 1923. Serial No. 619,431. 7 Claims. (Cl. 105—34.)



1. A rail coach of the character described comprising a pivotal truck or bogie and a hollow king pin mounted on rollers in the bogie whereby said bogie oscillates on said pin, power transmission and operating means carried by the bogie whereby said bogie is designed to form a complete power unit and means extending through said hollow king pin whereby the bogie as a complete power unit is operated and controlled from the coach.

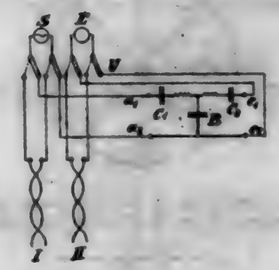
1,544,126. WRAPPING MACHINE. HERMAN C. BELLIDO, Habana, Cuba, assignor to Alfredo de la Fuente y Quiñones, Habana, Cuba. Filed Apr. 9, 1921. Serial No. 460,038. 2 Claims. (Cl. 93—4.)



1. In a wrapping machine, folding means including a bottom, a lid, laterally adjustable guides for folding downwardly the upper side edges of the blank or wrapper, adjustable rear and front guides pieces for forming the side folds of the closed head of the blank and for folding up the lower side edges thereof, means to fold inwardly the side edges of the open head of the blank, a duct arranged at the discharge end of the folding device and mounted for movement into and out of line with the path of the wrapped article, means in said duct for folding down the upper portion of the open end of the blank and to hold the same in folded position while the duct is out of line with said path, means for applying paste to the outer face of the lower edge of such end of the blank and means to complete the closing and pasting of the open end of the blank when said duct returns into alinement with said path.

1,544,127. METHOD AND ARRANGEMENT FOR DETERMINING CROSSTALK IN MULTICIRCUIT SYSTEMS. FRANZ BERISCH, Berlin, Germany. Filed Aug. 18, 1921. Serial No. 492,034. 6 Claims. (Cl. 179—175.)

8. An arrangement for determining the extent of crosstalk between telephone circuits comprising a transmitter, a receiver, a regulable artificial line, and switching means for connecting the transmitter and the receiver to two of the said telephone circuits and to the two ends of the artificial line alternately, the impedance of the artificial line regarded from its end that is connected to the transmitter being equal to the impedance of the telephone circuit that is connected to the transmitter, and the impedance of the artificial line regarded from its



end that is connected to the receiver being equal to the impedance of the telephone circuit that is connected to the receiver.

1,544,128. FISHING REEL. SELDEN J. BUDD, Manhasset, N. Y., and JOHN C. FORD, Woodbury, N. J. Filed Feb. 1, 1923. Serial No. 616,287. 3 Claims. (Cl. 43—20.)



1. A fishing pole comprising a grip including a forward member, a rear member, and plates connecting the forward and rear members, a reel journaled on the plates, and a brake strip secured to the rear member and comprising a lateral arm engaging the reel, the rear member having a slot wherein the arm operates, the slot being bridged by one of the side plates.

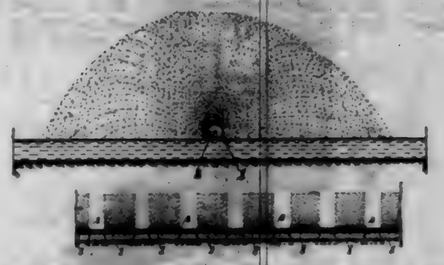
1,544,129. FISH LURE. HUGH V. BURT, Rock Island, Ill. Filed Sept. 20, 1924. Serial No. 738,825. 4 Claims. (Cl. 43—41.)



1. In a device of the class described, a pair of frames, foldable one within the other, adapted to hold a container for bait, and means for holding said frames normally in open position.

1,544,130. PROCESS OF CONCENTRATING SOLUTIONS. NIELS C. CHRISTENSEN, Salt Lake City, Utah. Filed Dec. 3, 1920. Serial No. 428,127. 9 Claims. (Cl. 159—48.)

1. The process of concentrating solutions which consists in maintaining the upper surface of a body of the solution to be concentrated in contact with the lower part of a cylindrical surface revolving about a central horizontal axis, so that said cylindrical surface shall be approximately tangent to said liquid surface and shall dip slightly into said body of liquid, whereby a spray of said solution will be continuously thrown into the



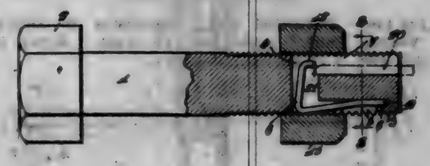
atmosphere surrounding said cylindrical surface and solvent thereby be evaporated from said solution causing the concentration of said solution.

1,544,131. CUFF LINK. JAMES F. CONNOR, Cleveland, Ohio. Filed June 24, 1924. Serial No. 722,093. 4 Claims. (Cl. 24—102.)



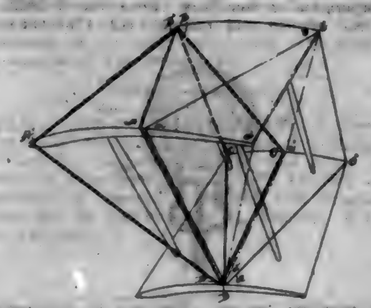
1. A cuff link comprising in combination, a pair of heads, a casing carried by one of the heads with a portion of said casing extending beyond the base of the head and adapted for insertion through the buttonhole of a cuff, a spring drum mounted within the casing, and a flexible connection between the spring drum and the second head, the casing being provided with an opening through which the flexible connection passes.

1,544,132. NUT LOCK. HENRY COOK, Wellston, Ohio. Filed Apr. 18, 1924. Serial No. 707,477. 3 Claims. (Cl. 151—9.)



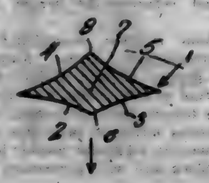
1. The combination with a bolt or the like having a bore extending transversely therethrough with longitudinally disposed grooves leading from the ends of said bore, one of said grooves extending through the end of the bolt and the other terminating short of said end and equipped with a longitudinally extending socket, a spring locking pawl mounted in said bore with one end engaged with said socket, and a nut having a ratchet groove for cooperation with said pawl to lock the nut on the bolts.

1,544,133. TRIDIMENSIONAL RADIO COMPASS. CLARENCE C. CULVER, Washington, D. C. Filed June 29, 1921. Serial No. 481,421. 4 Claims. (Cl. 250—11.)



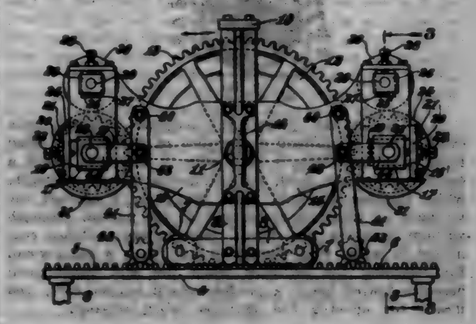
1. In combination with an airplane, a radio compass having a plurality of coils to form a plurality of dihedral angles, the axes of said dihedral angles being angularly disposed with respect to each other and to the longitudinal axis of said airplane.

1,544,134. BLADE CONSTRUCTION FOR PADDLE WHEELS. JOSEPH A. DAVID, Elizabeth, N. J. Filed July 25, 1924. Serial No. 728,182. 1 Claim. (Cl. 170—141.)



In a blade for paddle wheels, the same being substantially diamond shaped in cross section, the faces thereof being concaved, the apex of the front faces being nearer the longitudinal center than the apex of the rear faces.

1,544,135. MACHINE FOR MARKING ENAMELED WARE. EMIL S. DENK, St. Louis, Mo. Filed Aug. 1, 1921. Serial No. 489,104. 8 Claims. (Cl. 101—212.)



1. A machine for marking enamel ware, comprising, a bed adapted to hold the ware, a drum mounted above said bed, an elastic die on said drum, an unyielding coating roller mounted above said bed and laterally of said drum, a fountain in which said roller runs, an elastic distributing roller mounted above and engaging said coating roller, and means for moving said drum to first engage said die with said coating roller and thereafter engage said die with the ware on said bed.

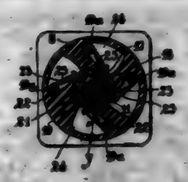
1,544,136. ELECTRICAL CONNECTION FOR TELEPHONE HEADSETS. FREDERICK DIETRICH, Flushing, N. Y., assignor to C. Brandes, Inc., New York, N. Y., a Corporation of New York. Filed Nov. 5, 1923. Serial No. 672,949. 17 Claims. (Cl. 179—114.)



1. A telephone headset, comprising in combination a receiver casing including electromagnetic operating means, a single longitudinally extending clamping means interior of said casing operative from the exterior thereof, a plurality of connections adapted to be completed by said clamping means, a plurality of conductors leading through said casing and secured under said single longitudinally extending clamping means, one of said conductors being shorter than the other of said conductors and electrically connected to a shield encasing said other conductors whereby said shorter conductor serves to electrically connect said casing with said shield and removes the strain from the other conductors.

13. A telephone receiver, comprising in combination a casing, electromagnetic means, permanent magnetic means in one portion of said casing, a terminal block in another portion of said casing and having its opposite ends extending toward said permanent magnetic means, and unitary means adjacent each end of said terminal block and permanent magnetic means for securing both said terminal block and said permanent magnetic means in said casing.

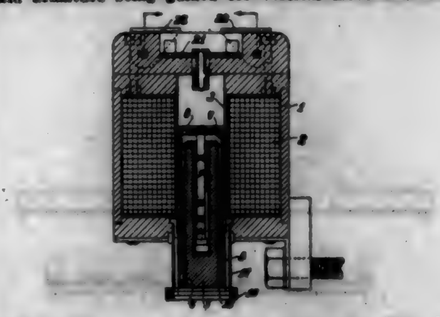
1,544,137. DEVICE FOR PROTECTING ELECTRICAL CIRCUITS FROM OVERHEATING. OTTO DRESEL, Essen-on-the-Ruhr, Germany. Filed Jan. 21, 1925. Serial No. 3,731. 3 Claims. (Cl. 200—122.)



1. A device for protecting electrical circuits from overheating, comprising a plurality of parallel-connected fuses each of which is only able to carry by itself a current of, at the most, the permanent, normal strength, while together the said fuses can carry a current the strength of which is a multiple of the normal strength without breaking the circuit, temperature switches connected in series with certain of said fuses, a heating-coil for releasing the switches when the said heating-coil becomes heated above a predetermined temperature, and means for opening the switches when released.

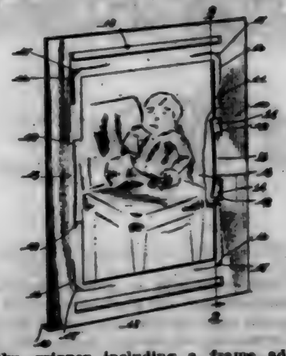
1,544,138. PROTECTIVE DEVICE FOR ELECTRIC CURRENT-CONSUMING APPARATUS. OTTO DRESEL, Essen-on-the-Ruhr, Germany. Filed Apr. 25, 1924. Serial No. 708,994. 10 Claims. (Cl. 200—86.)

1. In a device for protecting electric circuits against excessive heating and overload, in combination; a temperature switch comprising a non-magnetic weight-core, a tube-like magnet armature loosely surrounding said weight core, a soldered joint normally connecting said weight core and said armature, said weight core and said armature being guided for vertical movement and



being normally held in their lowermost position by gravity, and a magnet-coil surrounding said armature and connected to the circuit to be protected.

1,544,139. FILM GRIPPER AND HOLDER. GUSTAVE DUCLOS, Lowell, Mass. Filed Aug. 16, 1924. Serial No. 732,528. 2 Claims. (Cl. 40—158.)



1. A film gripper including a frame adapted to be formed of thin sheet metal, having a main film opening and having spaced apart slits at the opposite sides of said opening, each slit including portions angularly disposed with respect to one another, said slits forming between them inwardly projecting film engaging extensions flexible in a direction parallel to the sides of the opening, the said extensions cooperating with the portions of the frame at the opposite ends of the film opening, as described.

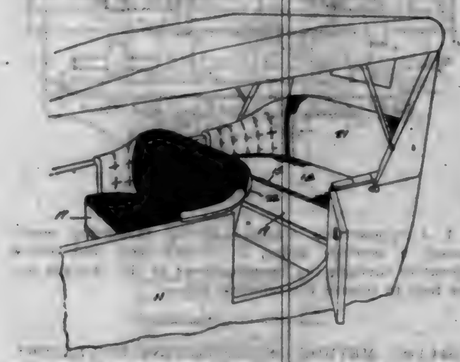
1,544,140. FOLDING COT. BENJAMIN B. DUDLEY, Visalia, Calif. Filed Dec. 13, 1921. Serial No. 522,079. 1 Claim. (Cl. 5—112.)



A folding cot of the character described having a rectangular frame including a pair of side bars, a central joint on each side bar for folding the frame to half its length, said joint comprising two channel plates each embracing respectively the top and both sides of one of the side bars and secured to the bar at one side of the joint, and a pin in the side bar on the other side of the joint guided in a U-shaped slot in the legs of the channel whereby the frame may be folded flat on itself by manipulating the frame to make the pin follow the

slot from one leg of the U to the other, and the channels cooperating with the side bars to lock them rigidly in all directions against bending at the joint when the cot frame is unfolded.

1,544,141. SLIP COVER FOR AUTOMOBILES. RUFUS R. EDDINS, Marlin, Tex. Filed Aug. 30, 1922. Serial No. 585,305. 9 Claims. (Cl. 155—182.)



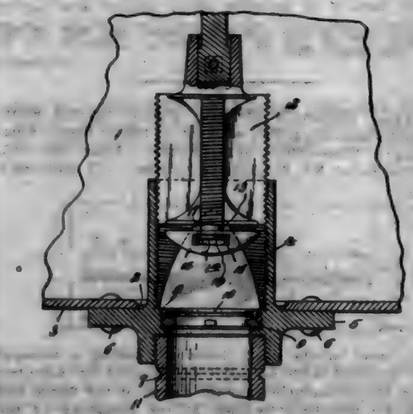
1. A slip cover for automobile seat cushions comprising separate seat and back sections, each formed from a sheet of matting composed of grass, cane or other vegetable fibers cut to the size and shape required to completely cover the wearing surface of the cushion, and a reenforcement of flexible material extending around and secured to the sheet at its edges, the reenforcement of the back section being made of sufficient width to permit the same to be tacked or otherwise secured at its upper and side edges to the back cushion and straps secured to the lower edge of said reenforcement for passing beneath the front cushion, the reenforcement of the seat section being made of sufficient width to provide a valance for concealing the edges of the seat cushion and a shirring cord secured to the free edge of the valance for securing the seat section in place.

1,544,142. DEEP-WELL PUMP. CHARLES P. EISENHAUER, Dayton, Ohio, assignor to The Duro Pump and Manufacturing Company, Dayton, Ohio, a Corporation of Ohio. Filed Oct. 20, 1923. Serial No. 669,710. 7 Claims. (Cl. 103—190.)



1. The combination with a double acting pump cylinder, of upper and lower inlet valve seats removably engaged in the cylinder and adapted to be upwardly displaced, a plunger piston operating within the cylinder between the valve seats, both valve seats being engageable with the plunger piston for elevation out of the cylinder by abnormal movement of the plunger, said plunger being engageable with each of the valve seats independent of the other for driving said valve seats into engagement with the cylinder.

1,544,143. TANK-CAR VALVE. THOMAS J. ENTWISLE, JOSEPH W. DONNELLY, and HENRY P. O'MARA, New Orleans, La., assignors, by direct and mesne assignments, of three-fourths to the said Entwisle and of one-fourth to Edward L. Martin, New Orleans, La. Filed Oct. 20, 1922. Serial No. 595,850. 6 Claims. (Cl. 137—21.)



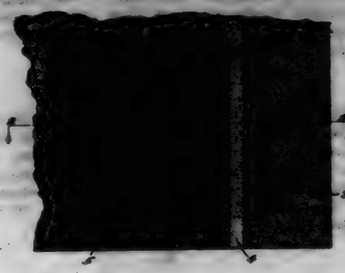
4. A tank car valve including a valve body having an annular seat and an annular threaded flange extending from the body around the seat, and in concentric relation with respect thereto, a valve plug having a threaded portion for cooperation with the threaded flange, one end of the body having a plane face, and a recess therein, a valve head adapted for cooperation with the seat in the body having a plane face on one side opposed to the face on the end of the plug and adapted for engagement therewith in the seated position of the plug and the head, said valve head having a projection extending into the recess in the plug, and securing means mounted in the plug and extending through the projection for rigidly connecting the head with the plug.

6. A plug for tank car valves comprising a threaded body member having a plane face on one end and having a recess in the end provided with said plane face, a valve head having a plane face opposed to the face on said body and adapted for contact therewith when the valve is closed, said head having a projection thereon loosely engaging in the recess in the body and adapted to produce a movement of the head in the rotation of the body, and a pin removably mounted in said body adapted for cooperation with said projection for loosely connecting the head to the body.

1,544,144. ROOFING. DOZIER FINLEY, Berkeley, Calif., assignor to The Paraffine Companies, Inc., San Francisco, Calif., a Corporation of Delaware. Filed Dec. 21, 1922. Serial No. 608,141. 3 Claims. (Cl. 108—7.)

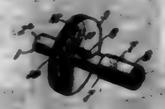
2. A prepared roofing comprising a roofing sheet, a lap guide line of granular material disposed thereon,

and a surfacing of granular material of different color than the material of said guide line on each side of



said line, that on one side being coarse and that on the other side being fine.

1,544,145. STORAGE SPOOL. HARRY ARTHUR FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Apr. 13, 1920. Serial No. 373,571. 4 Claims. (Cl. 242—68.)



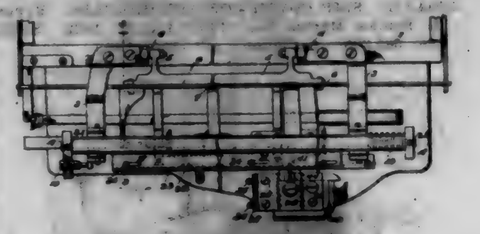
1. A spool of the class described, having a recessed flange provided with an axial opening, of an eccentric locking disc mounted within the recess of the flange and having its periphery exposed at the periphery of the flange and within the axial opening thereof.

1,544,146. SHIFTING TYPE HEAD. HARRY A. FOOTHORAP, Harrisburg, Pa., assignor to Elliott-Fisher Company, a Corporation of Delaware. Filed Apr. 30, 1923. Serial No. 635,676. 4 Claims. (Cl. 197—75.)



1. The combination with a type bar, of a type head pivotally mounted thereon, a trigger extended from the head, a retaining spring for the head, and a positive connection between the spring and head and movable to opposite sides of the axis of the head.

1,544,147. LETTER-FEED-CONTROLLED REBOUND LOCK. FRED P. GOUIN, Seattle, Wash. Filed Sept. 17, 1920. Serial No. 410,837. 12 Claims. (Cl. 197—176.)

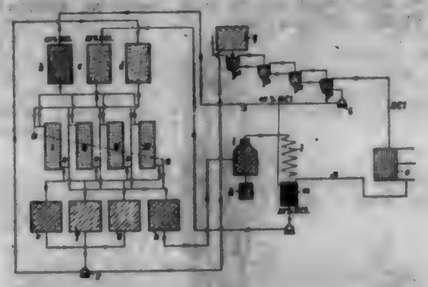


1. A typewriting machine having tabulating mechanism, a carriage buffer, a rebound lock, and means operative through the re-engagement of the carriage letter feed to release the rebound lock.

1,544,148. METHOD OF CONNECTING INSULATORS. MINOR F. H. GOUVERNEUR, Baltimore, Md., assignor to Locke Insulator Corporation, Baltimore, Md., a Corporation of Maryland. Filed June 28, 1924. Serial No. 722,956. 4 Claims. (Cl. 18—59.)

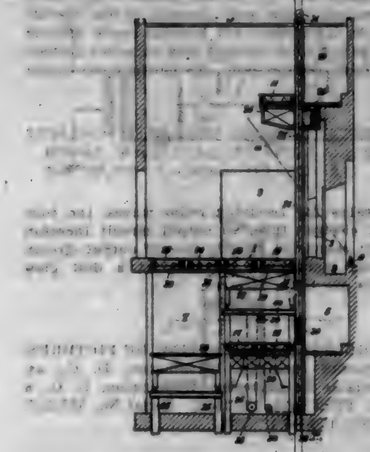
1. The method of connecting parts of an insulator which consists in applying a metallic powder to the surfaces to be connected, interposing between said surfaces granulated material coated with said metallic powder, and finally introducing between said interposed surfaces a molten metallic substance.

1,544,149. PROCESS AND PLANT FOR MANUFACTURING CARBOHYDRATES FROM VEGETABLE MATTER. ERIK HEGGLUND, Heidelberg, Germany, assignor to the Firm of Th. Goldschmidt A.-G., Essen, Germany. Filed Aug. 30, 1921. Serial No. 496,952. 3 Claims. (Cl. 127—37.)



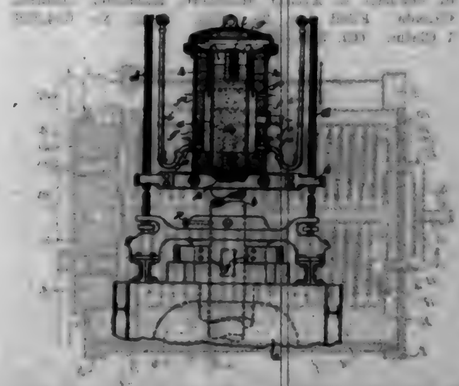
3. Process of manufacturing carbohydrates which comprises reacting upon cellulosic vegetable matter with a solution of hydrochloric acid containing not less than about 39% by weight of hydrochloric acid, separating the resulting solution of carbohydrates from undissolved residue, leaching said residue with a solution of hydrochloric acid containing substantially less than 39% by weight of hydrochloric acid, dissolving hydrochloric acid gas in the resulting leach liquor, and using the resulting solution for reacting upon a further quantity of cellulosic vegetable matter.

1,544,150. THEATER STAGE. MAX HABART, Dresden, Germany, assignor to Aktiebolaget Ars, Stockholm, Sweden, a Corporation. Filed May 26, 1921. Serial No. 472,776. 8 Claims. (Cl. 20—1.12.)



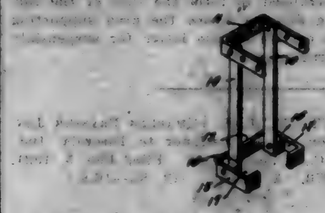
1. In combination with a stage floor composed of carriages adapted to be raised and lowered, frames supporting the carriages, the latter being movable laterally in relation to said frames, means adapted to raise and lower the frames, supplementary compartments provided on a level with the stage floor, a lower area below the stage level, supplementary compartments provided in said lower area, the carriages being movable into and out of the supplementary compartments, guiding means supporting the carriages when moving into and out of the compartments, said guiding means being movable into and out of the path of movement of the carriages.

1,544,151. METHOD OF AND APPARATUS FOR FORMING CONTINUOUS ELECTRODES. ALOIS HELFENSTEIN, Vienna, Austria, assignor to Union Carbide Company, New York, N. Y., a Corporation of Virginia. Filed Mar. 20, 1923. Serial No. 626,391. 13 Claims. (Cl. 204—65.)



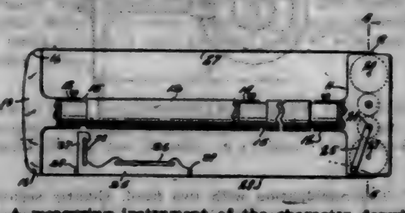
10. Apparatus for forming continuous electrodes for use in electric furnaces, comprising in combination with a furnace, electrode feeding means including an adjustable clamp, a mould and a heating chamber therefor mounted on the clamp in alignment with the electrode and means for passing gases from the furnace into the heating chamber.

1,544,152. PISTON GUIDE FOR WINDMILLS. FOCKE HEMEN, Hildreth, Nebr. Filed July 28, 1924. Serial No. 728,754. 2 Claims. (Cl. 170—76.)



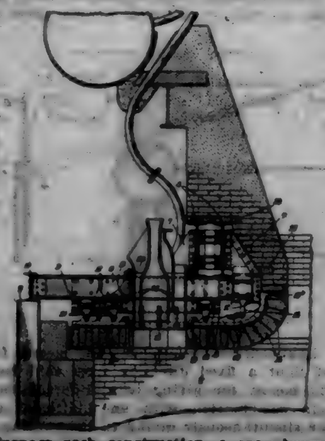
2. A piston guide for windmills, consisting of vertical guide members, a guide block slidably mounted between said guide members and operatively connected with the crank arm which drives the piston, and means for securing said vertical guide members in a fixed vertical spaced position relative to the functional mechanism of the windmill, substantially as and for the purposes described.

1,544,153. EXTENSIBLE LEVEL AND STRAIGHT-EDGE. FRANK HOLMGREN, Stage, Calif. Filed Jan. 20, 1925. Serial No. 3,652. 8 Claims. (Cl. 33—208.)



1. A measuring instrument of the character described including oppositely disposed heads, a plurality of sections adapted to be interposed between said heads and the sections having detachable engagement with each other whereby any desired number of sections may be used between the heads to extend or contract the distance between the same, a tape secured to one of said heads, and means mounted upon the other head whereby the tape may be wound up and held in a taut condition.

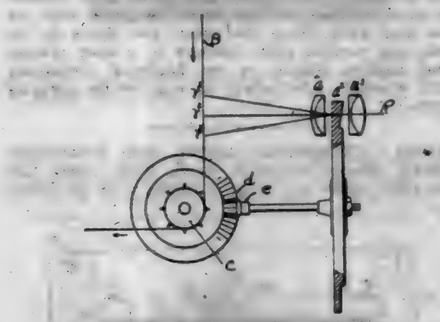
1,544,154. FURNACE ARCH CONSTRUCTION. LOUIS H. HOSBEIN, Chicago, Ill., assignor to M. H. Detrick Company, Chicago, Ill., a Corporation of Illinois. Filed July 5, 1923. Serial No. 649,473. 18 Claims. (Cl. 110—99.)



4. In furnace arch construction, a span beam extending across the furnace chamber, longitudinal beams sup-

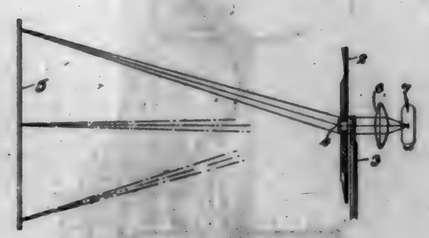
ported by the span beam, arch supporting beams carried by the longitudinal beams and extending respectively across only a fraction of the width of the furnace chamber, refractories arranged to form the roof of the furnace chamber at a distance below the arch supporting beams, and means carried by the latter for suspensibly supporting the refractories.

1,544,155. OBJECTIVE LENS. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Discrola, Inc., Washington, D. C., a Corporation. Filed Feb. 5, 1921. Serial No. 442,870. 2 Claims. (Cl. 88—16.8.)



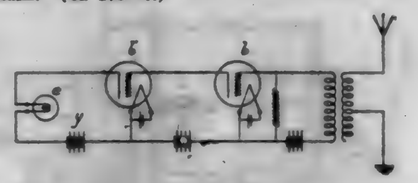
1. The combination with two fixed, slightly separated elements of a compound lens, of a relatively movable light refracting member of progressively varying refracting power and constructed continuously to change the angle between incident and emerging rays of light interposed between said elements, the general plane of the three parts, considered as a unit, being transverse to the path of an axial light beam approaching one side of said unit, and constantly cutting the axial line.

1,544,156. TRANSMITTING PICTURES BY WIRELESS. CHARLES FRANCIS JENKINS, Washington, D. C. Filed Mar. 18, 1922. Serial No. 543,331. 6 Claims. (Cl. 178—7.)



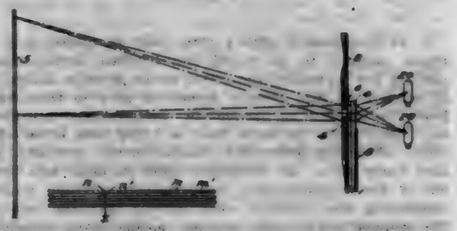
1. In light-controlling mechanisms, means for giving a ray of light a fixed direction from said means, and refracting means for giving it a different varying direction, in combination with an additional refracting means for simultaneously giving to the varying direction ray a direction approximately perpendicular to the first direction.

1,544,157. RADIO RECEIVING DEVICE. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation. Filed Sept. 11, 1922. Serial No. 587,506. 1 Claim. (Cl. 178—7.)



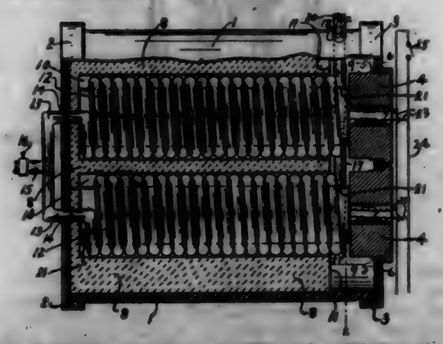
In an apparatus for receiving radio waves, the combination of an electron tube, an output circuit therefor, an electric light connected directly in said output circuit, said light being maintained normally at a dull glow when no signals are being received.

1,544,158. WIRELESS BROADCASTING OF PICTURES. CHARLES FRANCIS JENKINS, Washington, D. C., assignor to Jenkins Laboratories, Washington, D. C., a Corporation. Filed Sept. 11, 1922. Serial No. 587,507. 6 Claims. (Cl. 178—7.)



1. The method of simultaneously scanning a plurality of sections of a picture area by pencils of light, each of said sections being covered by a plurality of lines from a corresponding light pencil.

1,544,159. ELECTRIC WATER HEATER. FORD CHARLES JENTO, Hamilton, Ontario, Canada, assignor of one-half to Arthur McIntyre, Hamilton, Ontario, Canada. Filed Apr. 24, 1923. Serial No. 634,336. 1 Claim. (Cl. 219—39.)



An electric water heater comprising an enclosed casing containing heat insulating material formed with a plurality of longitudinally extending cylindrical cavities having smooth walls, a spiral water container within each cavity, an inlet connection common to all containers and all containers connected to a common outlet

connection, a cylindrical core having a smooth peripheral surface extending axially through each spiral and being of size and shape to closely fit within the spiral, a heating element carried by each core, a plurality of removable closures carried by the casing at one end thereof axially opposite each spiral respectively and permitting when removed the withdrawal of the cores and heating elements, said closures constituting when inserted means for securing the cores against axial movement.

1,544,160. ORNAMENT FOR MOTOMETERS. JOHN I. KELLEY, Mount Union, Pa. Filed Aug. 2, 1924. Serial No. 729,733. 1 Claim. (Cl. 240—2.)



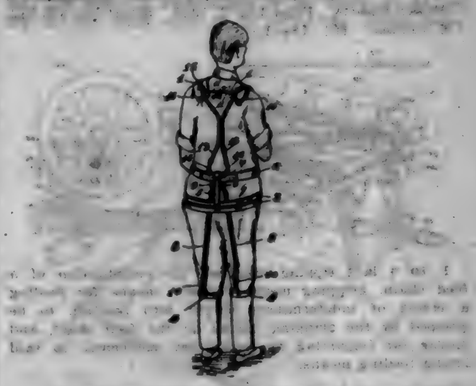
An ornament for motometers comprising a cylindrical barrel formed at one end with an attaching flange perforated for the passage of screws of the motometer casing, the flanged end of the barrel being provided with laterally projecting ornamental wings disposed approximately in the plane of said flange, and a figure mounted upon said flange of the barrel between the wings, the barrel having openings discharging light against the wings and against said figure, and an electric lamp disposed in the barrel to one side of the middle thereof whereby it will not obstruct the view of the indicating column of the motometer, the end of the barrel remote from said attaching flange being provided with a glazed opening.

1,544,161. DRAWING-PEN NIB, MORE PARTICULARLY FOR FOUNTAIN PENS. THEODOR KOVACS, Berlin, Germany. Filed Jan. 17, 1921. Serial No. 437,874. 5 Claims. (Cl. 120—43.)



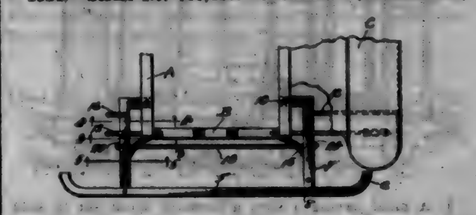
1. In a fountain drawing pen in combination, an ink reservoir, means for detachably holding by its shank, an unslotted pen nib having a perforation therein, means for feeding ink from the reservoir through the perforation to the outside of the pen, and capillary means for conveying ink from the perforation to the point of the nib.

1,544,162. BACK BRACER. ALFRED J. LA VIGNE, Milwaukee, Wis. Filed Dec. 4, 1924. Serial No. 753,949. 4 Claims. (Cl. 2—44.)



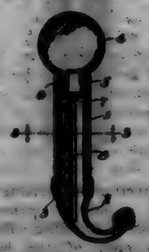
1. An appliance of the character described comprising a pair of shoulder pads, a waist encircling strap, a hip encircling strap, tension spring means connecting the rearward ends of said shoulder pads to said waist encircling strap, and other tensioning means connecting the forward ends of said shoulder pads to said hip encircling strap.

1,544,163. AUTOMOBILE BUMPER AND BRACE. ROBERT P. LEE, Mitchell, S. Dak. Filed Sept. 23, 1924. Serial No. 739,416. 6 Claims. (Cl. 293—55.)



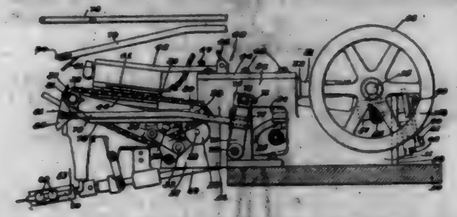
1. A device of the class described including in combination a bumper, a pair of L-shaped bracket bars attached to intermediate portions of the bumper, an automobile chassis, means for attaching the other ends of the bars to the chassis, struts having their ends in abutment with the bumper and extending along the bars and then being curved inwardly to abut the end of the chassis.

1,544,164. INSUFFLATOR. FREDERICK A. MARSH, Columbus, Ohio. Filed Feb. 18, 1924. Serial No. 693,716. 3 Claims. (Cl. 128—266.)



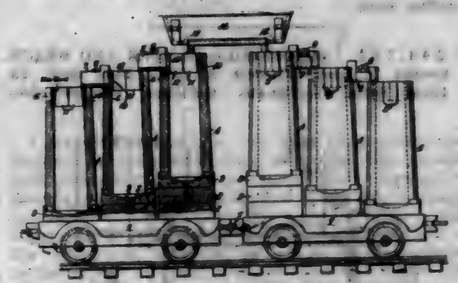
1. An insufflator including a drum, a nozzle on one end of the drum, an air bulb on the opposite end of the drum, and a tube slidably connected to said air bulb and terminating at a point adjacent the mouth of the nozzle.

1,544,165. LACE-TIPPING MACHINE. CARL A. MATSON, Lynnfield, Mass., assignor to Matson Lace Tipping Machine Company, Boston, Mass., a Corporation of Massachusetts. Filed Jan. 2, 1923. Serial No. 610,142. 6 Claims. (Cl. 18—1.)



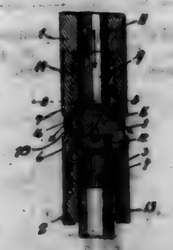
1. In a lace tipping machine, the combination of a feed chain, gripping means thereon, means for feeding a lacing of indeterminate length into position to be grasped by the gripping means on the feed chain, and means for imparting an oscillatory movement to said lacing feeding means.

1,544,166. APPLIANCE FOR THE CONTINUOUS TRANSFER OF MOLTEN METAL. FRANK BAIRD MCKUNE, Hamilton, Ontario, Canada. Filed Feb. 3, 1922. Serial No. 616,682. 15 Claims. (Cl. 22—147.)



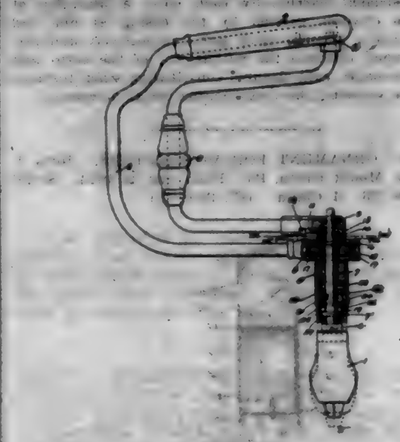
1. A mold having a slot, a transfer spout set in said slot and a refractory lining collar within that portion of the mold adjacent to said slot.

1,544,167. CORE-BARREL CONNECTION. ANDREW J. NIGHTINGALE, Huntington Beach, Calif. Filed June 26, 1922. Serial No. 570,812. 1 Claim. (Cl. 255—72.)



A core barrel connection comprising a plug having a solid center portion, a bore at either end, peripheral recesses in the outside of the plug substantially midway between the bottom ends of the bores, downwardly slanting communications between the upper bore and the outside of the plug and upwardly slanting communications between the lower bore and the outside of the plug, all the communications being disposed to discharge into the recesses at the same elevation.

1,544,168. GEARED DRILL BRACE. WILLIAM EDWARD NOLAN, San Francisco, Calif. Filed Nov. 24, 1924. Serial No. 751,978. 8 Claims. (Cl. 145—66.)



2. In a geared drill brace of the character described, a body, a chuck spindle revolvably supported therein and axially slidable from a direct drive to a geared position, means for sliding said spindle comprising a sleeve surrounding the spindle and body having double thrust engagement with the spindle, an angularly disposed slot in said sleeve and a device extending from the body into the slot whereby upon manual turning of the sleeve the same will be moved axially and thereby carry the spindle from one position to the other.

1,544,169. CLIP BAR. JAMES R. OWEN, Okmulgee, Okla. Filed Mar. 26, 1923. Serial No. 627,858. 1 Claim. (Cl. 267—52.)

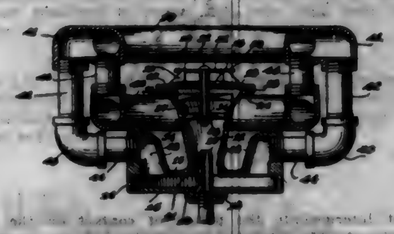


In combination with a front end member of a vehicle frame having a central flattened portion and provided with a channel in its under surface affording a seat for the central portion of a curved leaf spring of a plate curved to conform to the curvature of the under surface of the spring and provided at its side with ears extending outwardly therefrom having their upper surfaces in a plane paralleling the flattened portion of the front end member when the plate proper is engaged with the central portion of the spring, certain of said ears being disposed at the ends of the side edges of the plate and above the plane of the curved portion of the plate lying therebetween the curved portion of the plate being of the same width as the spring and U-bolts straddling the flattened portion of the frame and engaging in said ears for forcing the upper surface of said ears toward the under surface of the arms of the cross member.

1,544,170. BURNER. ALBERT WARD PATTISON, Lockport, N. Y. Filed Aug. 6, 1921. Serial No. 490,842. 7 Claims. (Cl. 158—28.)

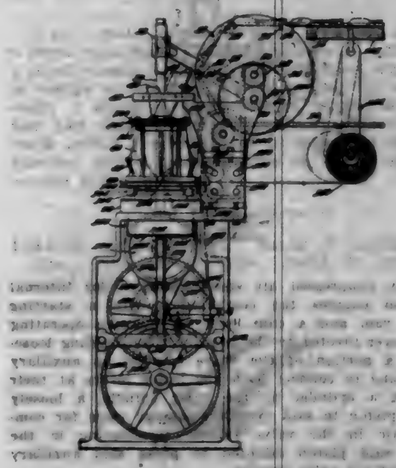
7. A hydrocarbon burner, comprising upper and lower hollow rings connected by conduits extending therebetween, a vertically disposed mixing chamber encircled by said lower ring, a perforated plate partially closing

the upper end of said chamber, a spreader supported by and above said plate, rotatable mixing vanes mounted in the chamber below said spreader, means for supplying



water to the lower ring, means for conducting steam from the upper ring into the lower portion of said chamber and means for supplying oil to the chamber to mix with the steam therein.

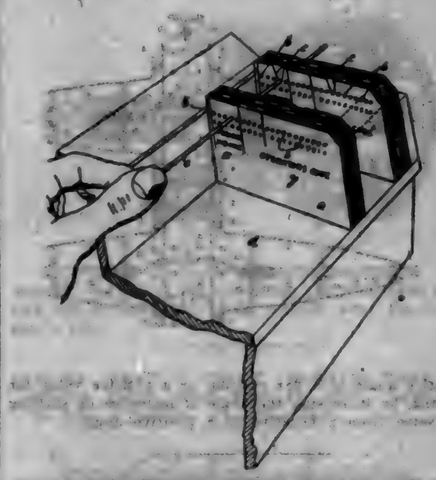
1,544,171. CONFECTIONERY-WRAPPING MACHINE. FRED FOREST PEASE, East Braintree, Mass., assignor to F. F. Pease Inc., Boston, Mass., a Corporation of Massachusetts. Filed June 21, 1921. Serial No. 479,411. 20 Claims. (Cl. 93—5.)



1. A machine for wrapping candy supported upon a stick comprising a vertically movable plunger, means for successively delivering candy to a position beneath the plunger and in timed relation to the movements of the plunger, a wrapping member having an opening through which the candy is forced by the downward movement of the plunger, means for delivering a sheet of wrapping material above the wrapping member, means for operating the plunger to force the candy downwardly through the opening in the wrapping member and cause the sheet of wrapping material to be laid thereabout, and means for discharging the candy at the completion of the wrapping operation.

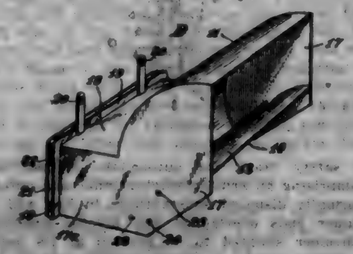
1,544,172. SORTING AND CLASSIFYING OF FLAT SHEETS, TALLIES, CARDS, OR THE LIKE. ALFRED PERKINS, Birmingham, England. Filed Feb. 8, 1923. Serial No. 617,798. 1 Claim. (Cl. 129—16.1.)

A stack of cards each of which is provided adjacent an edge with a plurality of perforations every perforation so disposed that it may be directly and separately slotted out to the edge of the card, and only those perforations being so cut away as relate to a particular classification desired whereby with the stack positioned that the said cut away edges of the cards are at the top of the stack and on a separating device being



passed through corresponding perforations of a number of said cards only those so cut away and pertaining to said classification will remain whilst the others may be removed by said separating device.

1,544,173. WINDSHIELD PROTECTOR. AXEL VILHELM PERSSON, Essington, and PROSE ROSLUND MINSON, Philadelphia, Pa. Filed May 20, 1924. Serial No. 714,548. 5 Claims. (Cl. 20—40.5.)

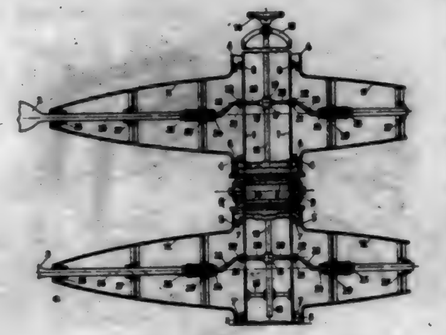


1. A windshield protector comprising a casing, a means for securing said casing to a windshield, a curved top for said casing having a channel formed therewith, a deflector plate in said casing spaced from said top and acting in conjunction therewith as a funnel providing for aerial suction, said deflector plate formed with a plurality of channels, all of said channels acting as rain and snow catchers, and means of draining said casing.

1,544,174. PARACHUTE PROPELLER FOR HELICOPTERS. RAUL PATERAS PESCARA, Barcelona, Spain. Filed July 15, 1920. Serial No. 396,596. 9 Claims. (Cl. 244—19.)

1. In a helicopter parachute, propellers, and mechanism connected therewith for shifting the propellers

without power expenditure, from a plus to a minus pitch, to maintain a rotation in the same direction, and at the moment of landing to effect a change from the



negative angle to a flat position or a positive value for braking, by increasing the angle of incidence or shifting the same from a negative to a positive angle.

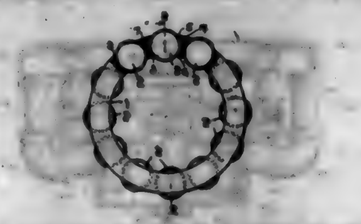
1,544,175. SAFETY CRANK HANDLE FOR AUTOS. JOHANNES PETERSEN, Aalborg, Denmark. Filed June 16, 1924. Serial No. 720,388. 2 Claims. (Cl. 123—185.)



2. A safety crank for automobile engines and the like, comprising an arm embodying inner and outer members normally disposed substantially in line and having their inner ends overlapped and pivoted together, the inner member adapted to be secured at its outer end to the engine shaft; a sleeve slidably related to said members and normally fitting around their overlapping ends to hold them rigidly connected; an eccentric on the engine shaft; and a ring encircling the eccentric and to which said sleeve is attached, said ring and eccentric coacting automatically, when a back-fire occurs, to shift the sleeve in a direction to uncover said overlapping ends and thereby enable swinging movement of the outer member out of line with and relatively to the inner member.

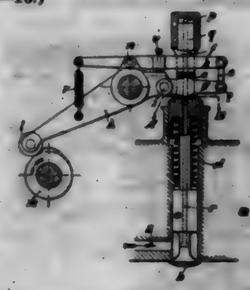
1,544,176. ROLLER OR BALL BEARING. KARL WILHELM PETERSON, Gottenburg, Sweden, assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenburg, Sweden. Filed Jan. 22, 1921. Serial No. 439,168. 2 Claims. (Cl. 308—217.)

1. A cage for anti-friction roller members having recesses for the rolling members and partition members for spacing the roller members, each partition member being so shaped that the rolling member on one side has contact therewith at a plurality of points, whereas the rolling member at the opposite side has contact at a



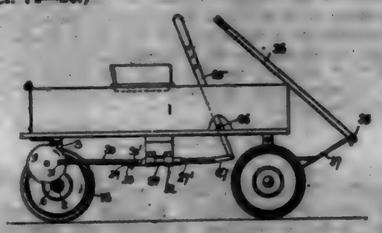
point intermediate the points of contact on the first mentioned side whereby the portion of the partition member lying between the points of contact is flexed upon application of pressure to the rolling members.

1,544,177. COMPRESSED-AIR STARTING DEVICE FOR INTERNAL-COMBUSTION ENGINES. GUSTAV PIELSTICK, Augsburg, Germany, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany, a Corporation of Germany. Filed Mar. 10, 1923. Serial No. 624,218. 6 Claims. (Cl. 60—16.)



1. In a compressed air starting device for internal combustion engines the combination with a starting valve, a cam and a cam lever, of a valve operating rocking lever pivoted to the cam lever and resting loosely upon a portion of the valve spindle, an auxiliary lever, means to connect both the latter levers at their free ends, a cylinder on the valve spindle, a loosely mounted piston in said cylinder, passage ways for compressed air in the valve spindle terminating in the cylinder, said piston adapted to press said auxiliary lever against the valve spindle.

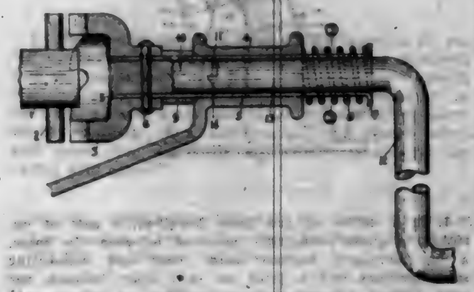
1,544,178. MANUALLY-PROPELLED VEHICLE. JOHN MILTON POWELL and GEORGE EMMINS, Fort Smith, Ark. Filed Jan. 30, 1924. Serial No. 689,527. 1 Claim. (Cl. 74—30.)



In gearing, a drive wheel, a driving device having a driving connection with said wheel including a forward link, a middle link, and a rear link, means for upholding said middle link and providing slide bearings

therefor, including a horizontal sleeve, and a spring pressed pin carried by said sleeve and bearing against said rear link adjacent and in rear of its pivot to said middle link in dead center position and with the spring thereof tensioned to throw said rear link past dead center.

1,544,179. DETACHABLE CRANK FOR AUTOMOBILE ENGINES AND THE LIKE. CHARLES W. RAWLINGS, Fairfield, Ohio. Filed Nov. 3, 1924. Serial No. 747,502. 8 Claims. (Cl. 74—33.)



1. In a device of the character described, a bearing, a sleeve rotatably and slidably mounted in said bearing, a clutch member connected with said sleeve and adapted to engage a cooperating clutch member on an engine shaft, a clutch member mounted within said sleeve and held against rotation relatively thereto, and a crank having a part adapted to enter said sleeve and provided with a clutch member to engage the clutch member within said sleeve.

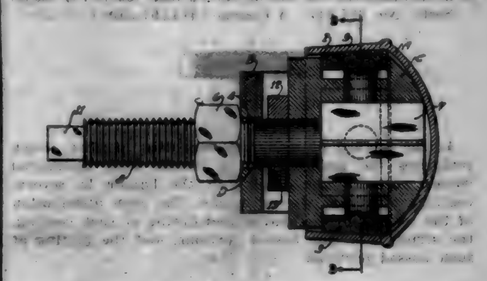
1,544,180. PISTON RING. RALPH H. REITER, Akron, Ohio. Filed Dec. 2, 1920. Serial No. 427,794. 1 Claim. (Cl. 74—109.)



In a piston ring, a ring body provided on its peripheral face adjacent each edge thereof with a set of parallel outwardly projecting, longitudinally directed circumferentially extending ridges of triangular cross section, disposed thereon base to base, said sets of ridges spaced apart to provide a centrally disposed circumferentially extending smooth, substantially cylindrical area of the same diameter as the base of said ridges, the outer face of each outermost ridge meeting the axial face of the ring and disposed at an angle thereto.

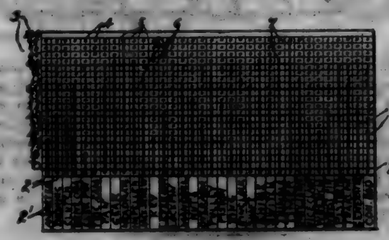
1,544,181. TOOL FOR INSTALLING HANDHOLE CLOSURES IN BOILERS. WILLIAM RICHARDSON and JOHN S. FOLAND, St. Louis, Mo., assignors to Heine Safety Boiler Company, St. Louis, Mo., a Corporation of Missouri. Filed Apr. 2, 1921. Serial No. 457,862. 1 Claim. (Cl. 29—88.2.)

A tool for the purpose described, comprising a substantially yoke-shaped member, a jaw-carrying member, radially-disposed jaws in said jaw carrying member, a shaft projecting rearwardly through the cross piece of said yoke-shaped member and provided with a tapered or inclined part that forces said jaws outwardly when said shaft is moved longitudinally, means for preventing said shaft from rotating with relation to said jaw carrying



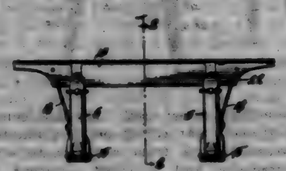
member, and means for preventing the jaws from dropping out of said jaw carrying member when the tool is not in use.

1,544,182. GRAPHIC CHART. HARRY W. RICKS, Los Angeles, Calif. Filed Sept. 19, 1923. Serial No. 663,666. 2 Claims. (Cl. 116—135.)



2. A chart of the character described having on its face columns of tabulated data with holes in the face of the chart forming a separate row in line with each data item and extending therefrom and a lace threaded through one of the holes extending along the face of the chart and back again through another hole whereby the lace forms a line on the chart terminating at the respective holes with both ends of the lace concealed back of the chart and the lace having a threaded tip secured to one end for threading through the holes and a stop on the other end adapted to engage the back of the chart.

1,544,183. SAW CLAMP. BENJAMIN T. ROBISON, East Bakersfield, Calif. Filed Sept. 10, 1924. Serial No. 736,958. 5 Claims. (Cl. 76—78.)



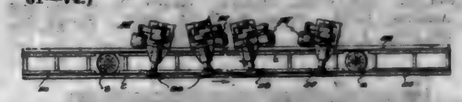
1. A device of the class described including in combination a pair of base bars, standards fixed to the base bars, second standards pivoted to the base bars, jaws provided on the standards, posts fixed to the bars, and means associated with the posts for forcing the pivoted standards toward the fixed standards so as to bring the jaws toward each other to clamp a saw blade therebetween.

1,544,184. METHOD OF COATING AUTOMOBILE DOOR HANDLES. WILLIAM SCHNELL, Detroit, Mich., assignor to Shepard Art Metal Company, Detroit, Mich., a Corporation of Michigan. Filed Mar. 26, 1923. Serial No. 627,617. 4 Claims. (Cl. 91—68.)



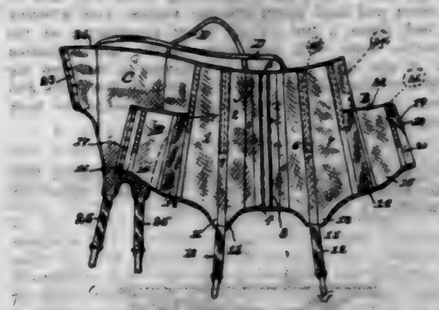
4. The method of manufacturing door handles, which comprises the fashioning of a handle with designated bossed portions, the dipping of the handle in several coatings of sticky, viscous enamel, the even distribution of the coating of the enamel and drying of such coating, the stripping of the bossed portions, and the plating of such bossed portions.

1,544,185. POLISHING MACHINE. WILLIAM SCHNELL, Detroit, Mich., assignor to Shepard Art Metal Company, Detroit, Mich., a Corporation of Michigan. Filed Apr. 4, 1923. Serial No. 629,766. 4 Claims. (Cl. 51—74.)



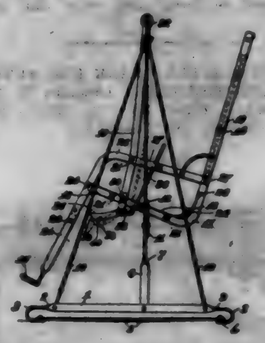
1. In a machine for the purpose specified, the combination of a plurality of polishing wheels arranged in a line, a guide along the line of polishing wheels, a conveyor running along part only of the said guide, and clamping carriages for clamping the work removably to the carriages and which can be pushed along one end of the guide to be coupled up with the conveyor to carry the work along the line of polishing wheels and in contact with the same.

1,544,186. COMBINED CORSET AND BRASSIÈRE. CHARLES H. SCHOFBACH, Aurora, Ill., assignor to International Corset Company, Aurora, Ill., a Corporation of Illinois. Filed Feb. 8, 1923. Serial No. 617,685. 2 Claims. (Cl. 2—30.)



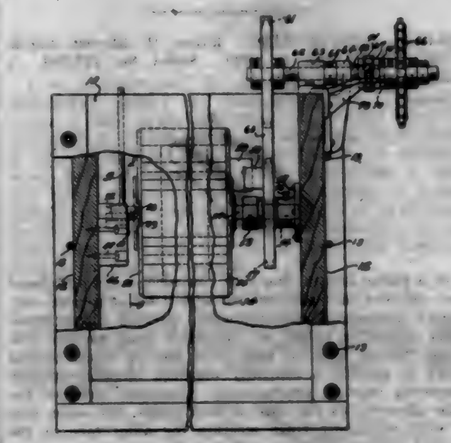
2. A combination corset and brassière comprising a vertically reinforced rear corset portion adapted to embrace the wearer's back from arm pit to arm pit at its upper extremity and provided adjacent its lower extremity with forwardly extending reinforced portions adapted to encircle the wearer's body below the diaphragm and embrace the abdomen interengaging fastening on said forwardly extending reinforced portions, and a brassière portion permanently secured to one side of said rear portion adjacent said upper extremity and adapted to extend across the wearer's bosom and detachably engage the upper extremity of the rear portion at the opposite side.

1,544,187. CHAIR. PETER SCHNORBUS, Buffalo, Minn. Filed Mar. 10, 1924. Serial No. 698,118. 8 Claims. (Cl. 155—67.)



1. In a device of the class described, a pair of uprights, a chair swingingly mounted between the same, a bar arranged beneath said chair and connecting said uprights and a latch on said chair beneath the seat thereof adapted in one position to engage said bar to prevent swinging of the chair, substantially as described.

1,544,188. PLATING BARREL. JOHN W. SLATTERY, Bridgeport, Conn., assignor to The Cornwall & Patterson Manufacturing Company, Bridgeport, Conn., a Corporation of Connecticut. Filed Oct. 29, 1923. Serial No. 671,410. 10 Claims. (Cl. 204—11.)



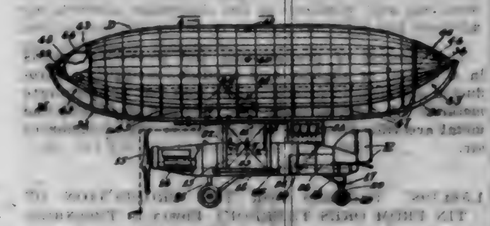
1. In a plating barrel, a rotatable container for the articles to be plated, said container comprising insulating walls having openings therein, a plurality of separate, spaced bar conductors extending longitudinally of the container adjacent the inside walls thereof, means for conducting electric current to said conductors, a support, a stationary stud carried by the support having an open topped bearing, a trunnion on one end of the container seated in said bearing, a sprocket mounted to rotate on the stud, coacting lugs carried by the sprocket and container for rotating the latter, and means for driving the sprocket.

1,544,189. OIL PAN FOR INTERNAL-COMBUSTION MOTORS. ANDREW SMITH, Milwaukee, Wis. Filed Nov. 13, 1922. Serial No. 674,542. 3 Claims. (Cl. 184—106.)



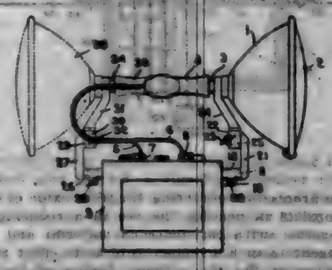
2. The combination of a downwardly tapering oil pan for an engine, a sediment chamber opening upwardly into the lowest portion of said oil pan, a cover normally closing the upper portion of said sediment chamber, an oil intake located above said cover, a head having downwardly slanting sides overhanging and spaced above said cover, and externally manipulable means for elevating said cover.

1,544,190. SEMIAERO DIRIGIBLE. JOHN C. SMITH, Los Angeles, Calif. Filed Dec. 2, 1924. Serial No. 753,434. 4 Claims. (Cl. 244—5.)



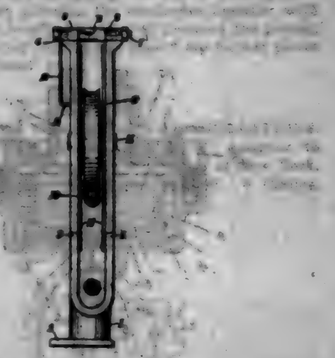
1. An aircraft comprising a dirigible balloon and an aeroplane, said dirigible balloon having compartments therein, a net covering said dirigible balloon, said aeroplane having an upper and lower plane, wings pivoted to the rear end of said upper plane, a beam having upwardly turned ends secured to said upper plane, and guy ropes connecting said net to said beam.

1,544,191. PORTABLE ELECTRIC SEARCHLIGHT. ROLAND L. SMITH, Belmont, Mass. Filed Feb. 21, 1924. Serial No. 694,281. Renewed May 25, 1925. 10 Claims. (Cl. 240—6.5.)



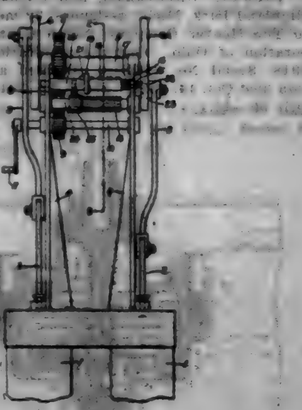
1. A portable electric search light comprising a lamp having a reflector provided with a stem having a handle extending rearwardly therefrom and a battery having a container a wall of which is provided with an embedded plate having a stud projecting from a vertical wall thereof, a standard for said light mounted on said stud engaging said stem and normally positioned to cause the vertical line of the center of gravity of the battery and light to intersect the axis of the handle whereby the device will properly balance when raised by the handle.

1,544,192. BELT TIGHTENER. SIDNEY S. SMITH, Seneca Falls, N. Y., assignor to Gould Manufacturing Company, Seneca Falls, N. Y., a Corporation of New York. Filed Nov. 25, 1921. Serial No. 517,426. 15 Claims. (Cl. 64—5.)



1. In a belt tightener, in combination, a tightener bracket having spaced members formed with slots therein, a belt tightening idler disposed between said members and having a shaft extending into said slots and adapted to float therein under the influence of the belt, and a cushioning means for said idler and shaft.

1,544,193. MEASURING PUMP FOR SERVICE STATIONS. ARTHUR SHOWDEN, Vancouver, British Columbia, Canada. Filed Nov. 6, 1924. Serial No. 748,198. 3 Claims. (Cl. 221—103.)

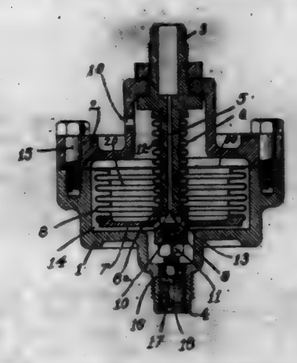


1. In a measuring pump capable of continuous delivery and having cylinders operated through one or more crank discs upon a driven shaft, a rod divided into units of measurement fitted adjacent a disc and having endwise movement, a collar carried by said rod adjustable to any of said units, means actuated by the pump mechanism adapted to engage the collar and to move the rod into engagement with a crank disc to prevent its rotation when the indicated delivery is attained.

1,544,194. AUTOMATIC EXPANSION VALVE. BURT C. SMYKAY, Birmingham, and CLARENCE M. HOLLEY, Detroit, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Filed Dec. 16, 1918. Serial No. 266,848. 27 Claims. (Cl. 62—11.)

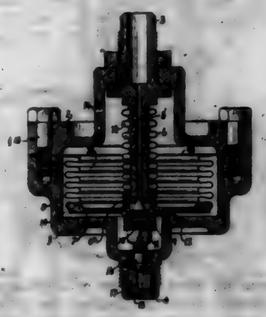
13. An expansion valve connecting a high and a low pressure line, a chamber in the valve, means control-

ling admission from the high pressure line to the chamber, said means pressure actuated, and a restricted port comprising the outlet from the valve to the low pressure line.



23. In an expansion valve, for a refrigeration system, having high and low pressure lines, providing means for expanding a refrigerant from the high pressure line to the low pressure line in a plurality of stages of expansion.

1,544,195. METHOD OF CONTROLLING FLOW OF FLUID FROM THE HIGH TO THE LOW PRESSURE LINES OF A FLUID-CIRCULATING SYSTEM. BURT C. STEWART, Birmingham, and CLARENCE M. HOLLEY, Highland Park, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio, a Corporation of Ohio. Original application filed Dec. 16, 1918, Serial No. 266,848. Divided and this application filed Oct. 14, 1922. Serial No. 594,497. 10 Claims. (Cl. 50—11.)

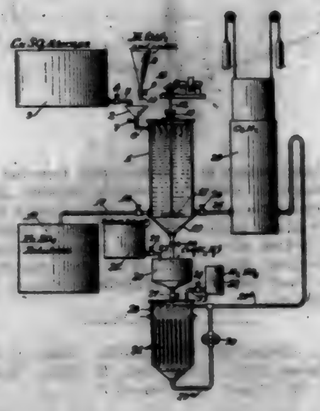


8. The method of refrigeration comprising the volatilization and expansion of a refrigerating fluid in a plurality of stages of expansion.

1,544,196. HEAT-INSULATING COMPOSITION. CLARK S. TEITSWORTH, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Apr. 8, 1924. Serial No. 705,125. 13 Claims. (Cl. 106—18.)

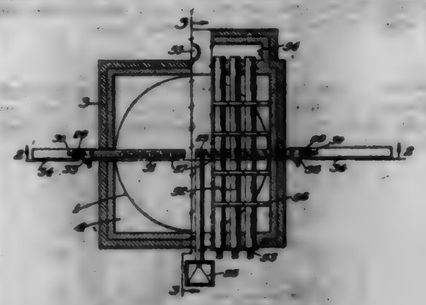
2. A heat insulating composition comprising diatomaceous earth, a binding agent, an organic gum capable of forming a gel with water, a fibrous material, and a distending agent.

1,544,197. PROCESS OF TREATING ORES. JOSEPH T. TERRY, Alhambra, Calif., assignor of one-half to James R. Lacy and one-eighth to Richard H. Lacy, both of Los Angeles, Calif. Filed Oct. 29, 1924. Serial No. 746,527. 3 Claims. (Cl. 260—11.)



1. A process of precipitating and recovering metals in a neutral or slightly acid solution, comprising introducing acetylene in presence of an iron salt to precipitate metal in the form of metal acetylide and separating the metal acetylide from the mixture under the exclusion of air.

1,544,198. PROCESS FOR THE PRODUCTION OF TIN FROM ORES THEREOF. EDWIN B. THORNHILL, Hurley, N. Mex., assignor to Thornhill-Anderson Company, Muskogee, Okla., a Corporation of Oklahoma. Filed Dec. 14, 1921. Serial No. 522,292. 11 Claims. (Cl. 75—17.)

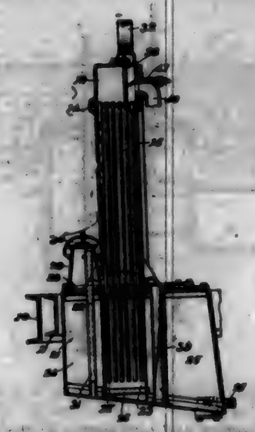


1. The process of recovering tin from oxide ore thereof which consists in heating the ore in a reducing atmosphere together with carbonaceous material and without fluxing agent to such a temperature as to effect reduction and melting of the tin without fluxing of the gangue constituent of the ore and without production of slag.

1,544,199. CONDENSER. ERNEST H. VINCENT, Oakland, Calif., assignor of one-half to Herman Christensen, San Francisco, Calif. Filed Aug. 21, 1922. Serial No. 583,163. 4 Claims. (Cl. 257—25.)

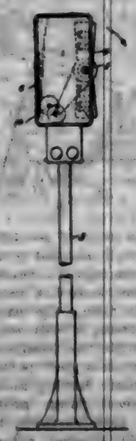
1. A condenser for use in combination with a steam driven automobile comprising an upper tube sheet, a tube

nest rigidly suspended therefrom, a dome covering the upper end of the tube nest and into which steam may be delivered, a bottom tube sheet through which the tubes



are yieldably supported, and an auxiliary tube nest communicating with the lower ends of the tubes and receiving the condensate therefrom.

1,544,200. TRAFFIC SIGNAL. GERALD C. WATERHOUSE, Pasadena, Calif. Filed Oct. 6, 1924. Serial No. 741,828. 2 Claims. (Cl. 116—68.)

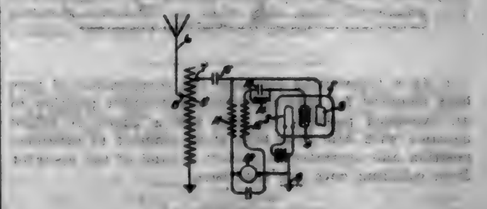


2. A traffic signal control comprising a casing having a slot at one side thereof, a signalling member rotatably mounted in said casing at said slot, said signalling member comprising opposite arms, said member being mounted so that one arm is concealed while the other arm is displayed, signal indicia on said arms, and means to progressively rotate said member in one direction so as to alternately display said indicia.

1,544,201. WELDING PROCESS. CHARLES B. WATTS, Mont Clair, N. J. Filed Aug. 16, 1924. Serial No. 732,577. 2 Claims. (Cl. 219—10.)

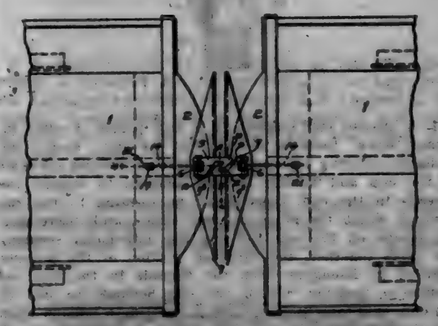
1. The process of forming a close grained flush welded joint between two metallic strips which comprises placing the strips to be welded in overlapping contact between a pair of electrodes; passing a sufficiently heavy current between said electrodes through said pieces over their entire area of contact with each other and through adjacent portions of the pieces only in contact with the electrodes to bring the overlapping parts to a forging heat and simultaneously pressing the electrodes together with sufficient pressure to effect a lap weld between the pieces; and then immediately forging the heated lap welded pieces into a flush surfaced joint.

1,544,202. SYSTEM FOR PRODUCING OSCILLATIONS. WILLIAM C. WHITE, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed Jan. 20, 1921. Serial No. 438,560. 6 Claims. (Cl. 250—36.)



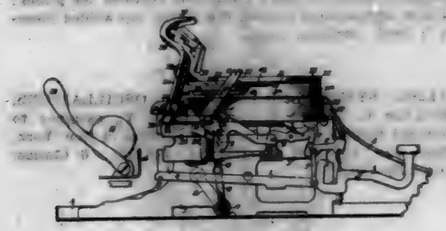
1. The combination in a system for producing electrical oscillations of an electron discharge device having a cathode, an anode and a grid, an oscillating circuit coupled to a shunt circuit between cathode and anode, a second circuit connected between cathode and anode containing a source of energy, a circuit between cathode and grid and a coupling between the second circuit between cathode and anode and the circuit between cathode and grid, the frequency of the oscillations produced being determined principally by the constants of said oscillating circuit.

1,544,203. MINE-CAR COUPLING. ANDREW J. BALDWIN, Pikeville, Ky. Filed Apr. 26, 1923. Serial No. 634,789. 4 Claims. (Cl. 213—18.)



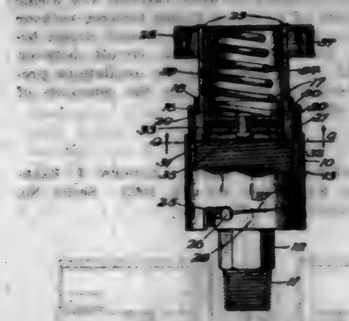
1. A mine car coupling comprising a coupling member formed with a nose and with a hook element rearwardly of the nose, a pivotal mounting for the coupling member to permit swinging movement in a horizontal plane, and a bumper plate connected with said pivotal mounting for pivotal movement corresponding with the coupling member, the bumper plate being disposed adjacent the hook element of the coupling member so that the nose of a connected coupling member may overlap the plate to preclude disengagement of the hook members of connected coupling members upon relative movement in a vertical plane of the connected ends of coupled cars.

1,544,204. TYPEWRITING MACHINE. ROWIN E. BARRETT, New Rochelle, N. Y., assignor to Remington Typewriter Company, Ilion, N. Y., a Corporation of New York. Filed Dec. 1, 1924. Serial No. 753,112. 18 Claims. (Cl. 197—186.)



1. In a typewriting machine, the combination of type bars mounted for movement from a compact position to an expanded position for use, and a guard or shield movable with said type bars from compact to expanded position and operative to protect a hand of the operator from colliding with the type bars.

1,544,205. GREASE CUP. RICHARD L. BARRETT, Chicago, Ill. Filed Oct. 8, 1923. Serial No. 667,176. 8 Claims. (Cl. 184—45.)



1. A grease cup embodying a cup proper having internal screw threads, a cap for the cup, means detachably securing the cap in position, a plunger operable in the cup and having threads adapted to engage the threads in the cup, there being an opening in the cap through which the plunger freely slides, and interengaging means on the cap and cup for detachably securing the parts together, the threaded portion of the plunger adapted to disengage from the threads in the cup and assume a position within the cap beyond the end of the cup, said interengaging means exerting a tension upon the plunger when the said threaded parts are disengaged to insure a proper initial positioning of the threads with respect to each other.

1,544,206. TANK THIEF. HENRY C. BEARD, Sour Lake, Tex., assignor of one-half to Mrs. N. A. Cravens, Silsbee, Tex. Filed May 2, 1924. Serial No. 710,677. 4 Claims. (Cl. 137—18.)

1. A device of the character described comprising an elongated tube provided with suspension means, a valve pivoted at the lower end of the tube and adapted to close the same, an elongated leaf spring carried by one edge of said valve and located against one side of the tube, means engaging said spring for holding the valve open and including a pair of arm members pivoted in cross relation and terminating at one end in jaws for



engaging the spring and terminating at the other end in extensions, and means for forcing said extensions apart to release the spring.

1,544,207. TUYÈRE STRUCTURE FOR SINGLE-RETORT STOKERS. ROYCE L. BEERS, Detroit, Mich., assignor to The Underfeed Stoker Company of America, Detroit, Mich., a Corporation of New Jersey. Original application filed Jan. 14, 1921, Serial No. 437,288. Divided and this application filed Aug. 11, 1923. Serial No. 656,978. 2 Claims. (Cl. 110—44.)

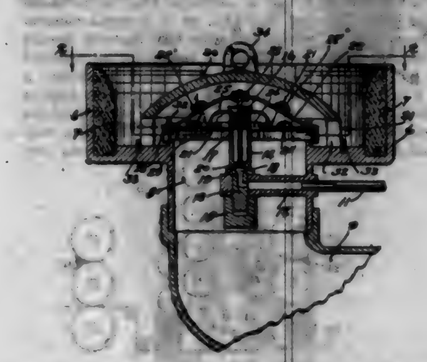


2. The combination with a portion of a fire-box floor providing a retort wall 11 and a retort-bordering rim 12 having oblong openings 13 therethrough, of a plurality of plate tuyère elements mounted in each said opening, and jointly filling the same, each said plate tuyère element comprising a body web having a base portion shaped to fit within the front and rear edges of the opening and having an upper portion above the base portion, each such plate having along its top and rear margins shallow lateral flange projections of uniform extent, and on its side surfaces having ribs of the same depth as said flanges extending substantially parallel to the retort bordering rim and terminating at the front of said body, said flanges leaving therebetween narrow openings, substantially as and for the purposes described.

1,544,208. OIL BURNER. ASHLEY C. BENNETT, Minneapolis, Minn. Filed Mar. 26, 1924. Serial No. 701,992. 13 Claims. (Cl. 158—77.)

7. An oil burner comprising a hollow sprayer head open at its perimeter for the discharge of oil and having circumferentially spaced propelling vanes, a large air delivery conduit opening against the under side of said sprayer head, an oil delivery conduit leading axially through the lower portion of said head and delivering on to the lower plate thereof, said head having a depending supporting spindle terminating in its lower portion and

in a conical "step" bearing which, as well as the other bearing portions of said spindle are all located within the mantle portion of said oil delivery conduit and thereby arranged to run in the oil that is being delivered



to said head, and a casing surrounding said head and provided with circumferentially spaced air outlet passages, said air outlet passages and the propelling vanes on said head being oblique in the same direction circumferentially of the burner.

1,544,209. VENTILATOR. PAUL A. BERNHARDT, Milwaukee, Wis., assignor to Loeffelholz Co., Milwaukee, Wis., a Corporation of Wisconsin. Filed May 10, 1924. Serial No. 712,246. 1 Claim. (Cl. 98—31.)

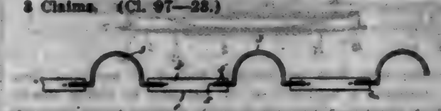


The combination with a window glass or the like having an opening therein, of a ventilator extending through said opening and comprising a cup-shaped member having an annular rim, the open end of said member being adjacent the inner surface of the glass, and the bottom of the member having a plurality of spaced openings therein, a circular shutter member rotatably and pivotally attached to the cup-shaped member and entirely confined therewithin and covering the bottom thereof, said member also having a plurality of spaced openings registrable with said first-mentioned openings when said shutter member is rotated, means for limiting the rotation of the shutter member, a ring member having a threaded engagement with the closed end portion of the cup-shaped member and positioned juxtaposed the outer surface of the glass, a washer member between said ring member and the outer surface of the glass, and a washer member between the rim of the cup-shaped member and the inner surface of the glass.

1,544,210. PROCESS OF TREATING COLLOIDAL CLAY. ERNEST C. BERTEA, Los Angeles, Calif., assignor to Refiners Clay Co., Los Angeles, Calif., a Corporation of California. Filed July 31, 1924. Serial No. 729,844. 6 Claims. (Cl. 252—2.1.)

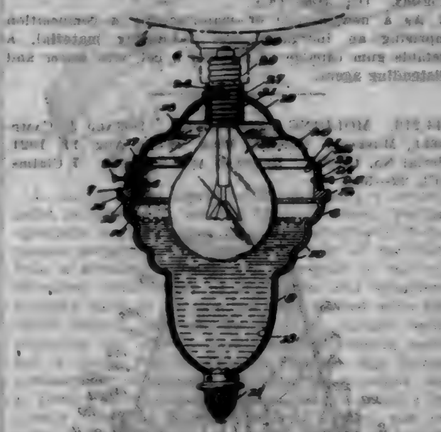
1. The process of treating colloidal clay to produce a filtering and decolorizing material comprising drying the lumps of clay as they come from the quarry without any preliminary grinding or addition of water until its free water content is reduced to approximately 12%, adding mineral acid in the proportion of approximately 4% to the clay, further drying to reduce the free water content to about 8%, comminuting the clay to pass through a coarse mesh screen, adding 1% of mineral acid, screening the clay to separate the finer particles suitable for the contact process of filtration from the coarser particles suitable for the percolation method of filtration.

1,544,211. COTTON CHOPPER. CHARLES H. BIHL, Ira, Tex. Filed Aug. 29, 1924. Serial No. 734,920. 3 Claims. (Cl. 97—28.)



1. A cotton chopper comprising a series of blades arranged in a row and spaced from each other and arch members connected at their ends with the blades and bridging the space between the blades.

1,544,212. PERFUME VAPORIZER. JOHN GEORGE BLASCHKE, Hot Springs, Ark. Filed Oct. 30, 1923. Serial No. 671,803. 3 Claims. (Cl. 219—45.)



1. A vaporizer for use in theaters or the like, comprising a container for the substance to be vaporized, said container comprising a metallic shell adapted to be suitably ornamented, and a heat insulating and non-corrosive liner for the shell, said liner also being impervious to liquid.

1,544,213. SECTIONAL FOLDING MINNOW TRAP. JOHN M. BEAUTICAM, Indianapolis, Ind. Filed July 12, 1923. Serial No. 651,016. 10 Claims. (Cl. 43—65.)



1. A sectional folding minnow-trap including a bottom and a top, two sectional ends hingedly connected to the bottom and the top and foldable inward between them, and two sectional sides hingedly connected to the bottom and the top and foldable partially into the folded ends.

1,544,214. COMBINED BOX COVER AND PICTURE FRAME. ALFRED E. BAUNS, New York, N. Y., assignor to Metal Package Corporation of New York, New York, N. Y., a Corporation of New York. Filed Mar. 20, 1924. Serial No. 700,498. 7 Claims. (Cl. 40—152.)

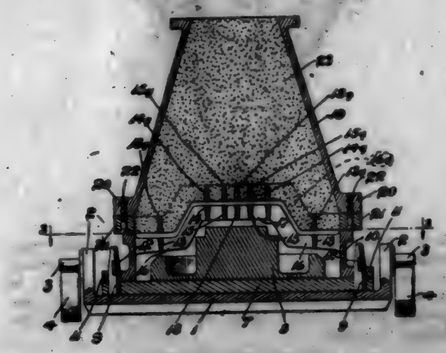


6. A combined box cover and picture frame comprising a walled enclosure adapted to interfit with and close a box body, the rear wall of said enclosure having a portion thereof sunk with respect to the body of said enclosure, and supporting means mounted in the sunk portion thereof.

1,544,215. HEAT-INSULATING COMPOSITION. LYLE CALDWELL, Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed Apr. 2, 1924. Serial No. 703,608. 13 Claims. (Cl. 106—18.)

1. As a new article of manufacture, a composition comprising an inorganic heat insulating material, a vegetable gum capable of forming a gel with water and a distending agent.

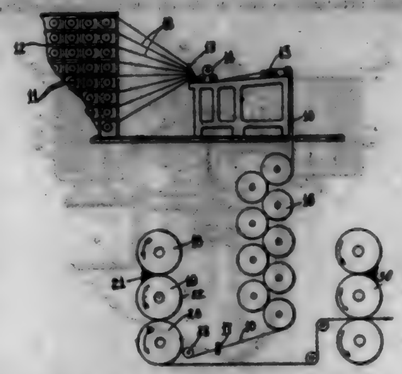
1,544,216. MOLDING APPARATUS. DONALD J. CAMPBELL, Muskegon Heights, Mich. Filed Aug. 11, 1921, Serial No. 491,851. Renewed Apr. 25, 1925. 7 Claims. (Cl. 22—36.)



1. In combination, a sand containing hopper having a grating located across the lower end thereof, said grating including a plurality of bars spaced apart with spaces between the same for the passage of sand therethrough, but close enough together to normally hold the sand from escape, and a flask part located directly under the sand hopper having a similar grating at its upper side when in operative position under the hopper, said grating having like bars located directly under the bars of the grating in the hopper, substantially as described.

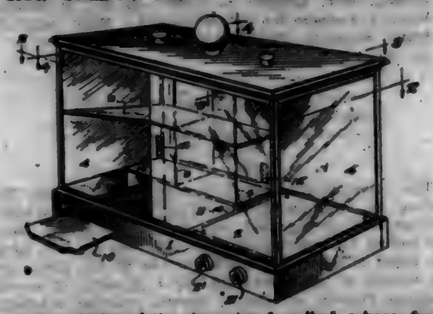
1,544,217. PREPARING CORD FABRIC. MARTIN CARTRICUM, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed July 7, 1920. Serial No. 394,566. 17 Claims. (Cl. 154—1.)

1. The method of uniting cords into a weftless cord fabric on a three-roll calender consisting in sheeting rubber between two of the rolls and carrying the sheet between the middle roll and the third roll, and directing a series of parallel unconnected cords under tension against the third roll at a point spaced from the line



of contact of such roll with the middle roll, by an arc sufficient to maintain the cords in parallel relation during their passage between the middle and third rolls.

1,544,218. DISPLAY CASE. CHARLES V. CHAMPION, Danville, Ill., assignor to C. V. Champion & Company, Danville, Ill., a Corporation of Illinois. Filed June 7, 1924. Serial No. 718,654. 3 Claims. (Cl. 34—21.)



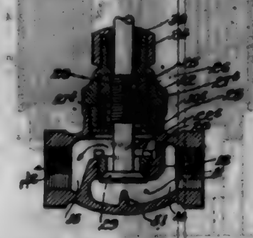
1. In a device of the character described, a base, front, rear and end walls arranged on said base, a partition extending partially from the rear to the front forming a toasting compartment and a storage compartment, a bottom arranged in said storage compartment, guides arranged on the front and rear walls of said toasting compartment, and a grill slidably mounted on said guides.

1,544,219. VALVE. LLOYD D. COLLAR, Oakland, Calif., assignor to Collar Valve Corporation, Oakland, Calif., a Corporation of California. Filed Apr. 2, 1925. Serial No. 20,058. 10 Claims. (Cl. 251—88.)

1. A valve structure comprising a valve body having inlet and outlet openings, a wall intermediate said openings, said wall being formed with a valve aperture and seat, a bonnet sleeve on the body, a valve stem extending axially through said sleeve and valve aperture, a valve on the inner end of the stem to seat against the seat, to control said aperture, a bonnet mechanism adapted to be simultaneously connected with the sleeve and the valve stem, and means for maintaining the valve in correct alignment relative to the seat during the connection of the bonnet mechanism to the sleeve and valve stem.

10. A valve structure comprising a body having inlet and discharge openings, a wall intermediate the openings, said wall being formed with an aperture, a bonnet

sleeve formed on the body in axial alignment with said aperture, a valve stem extending axially through said sleeve and said aperture, a valve on the inner end of the stem, said valve being of a diameter less than the diameter of said aperture, a centrally bored valve seat member adapted to be arranged over the valve stem and passed through said sleeve and fixed in said aperture, an annular lip formed at the inner end of the bonnet sleeve, a centrally bored thrust member adapted to be arranged over the valve stem to bear on said lip, a bonnet adapted to be arranged over the valve stem and threaded into said bonnet sleeve to bear against said thrust member, an enlarged bore in the inner end of said bonnet, a



guided stem block reciprocably mounted in said bore, an expansion spring in the bore between said stem block and the inner end of the bonnet, said bonnet being adapted to be slipped over the end of the valve stem and threadedly connected with the bonnet sleeve simultaneously with the threading of the stem block onto the threaded portion of the valve stem, whereby the spring will be interposed between the thrust member and the stem block, and tend to maintain the latter in its outermost position, and means to maintain the valve in correct alignment relative to the valve seat during the connecting of the bonnet to the valve body and the stem block to the valve stem.

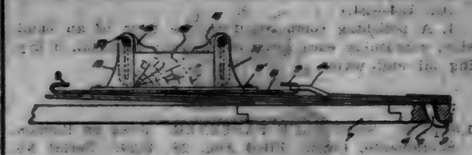
1,544,220. AMUSEMENT HOUSE. HOLLIS C. CONRAD, Jacksonville, Fla. Filed Jan. 25, 1923. Serial No. 615,429. 13 Claims. (Cl. 272—2.)



1. The combination with an amusement house, of a floor disposed in said house and having corners, said corners being disposed at different elevations thereby centering the floor at an angle whereby its sides will be disposed at different angles and upwardly convexed surfaces carried by the floor and in combination with the inclination of the floor increasing the illusion.

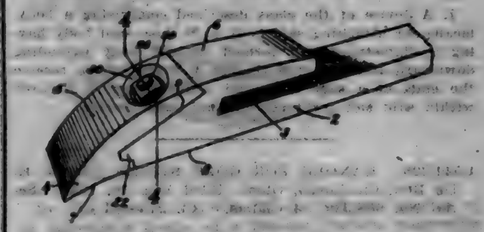
1,544,221. SHINGLING BRACKET. JOHN V. COUNTRYMAN, Selma, Iowa. Filed Jan. 22, 1925. Serial No. 4,049. 1 Claim. (Cl. 304—20.)

A shingling bracket comprising an arm, a laterally extending member associated with one end thereof and adapted for detachable engagement with an inclined opening provided therefor in a roof, a stirrup formed on the opposite end of the arm, a base plate, a clip formed on one end thereof, said clip adapted for detachable engagement with said stirrup, a pair of stand-



ards mounted in spaced relation on said base plate between which is adapted to be received a staging, and coacting jaws secured on said standards and adapted for engagement with the outer face of the staging.

1,544,222. DIPPER-TOOTH POINT FOR EXCAVATING SHOVELS. OLIVER CROSBY, St. Paul, Minn., assignor to American Hoist & Derrick Co., St. Paul, Minn., a Partnership. Filed Oct. 22, 1921. Serial No. 509,542. 2 Claims. (Cl. 37—142.)



1. An excavator dipper-tooth comprising a detachable point provided with an over-hanging member having an upwardly inclined inner face, a substantially T-shaped tongue projecting from the under side of the inclined face, a shoulder at the lower extremity of the tongue extending transversely of the tooth, and shoulders at opposite sides of the tongue, each formed with an inclined seating face terminating in an upright wall intersecting the inclined face of the overhanging member; and a shank formed with an inclined face having a substantially T-shaped longitudinally extending socket to receive the T-shaped tongue of the point and a transversely extending shoulder to bear against the transversely extending shoulder of the point and formed at opposite sides of the socket with forwardly projecting lugs having inclined faces to seat upon the inclined faces of the side shoulders of the point and with end portions to abut the upright walls of said shoulders.

1,544,223. DRESS ATTACHMENT. SAMUEL J. DANTZIC, Washington, D. C. Filed Oct. 26, 1923. Serial No. 670,863. 1 Claim. (Cl. 2—215.)



In combination with a skirt, an attachment including a stiffening strip to span the interstice between the buttocks and secured to the garment at a point where the latter spans the buttocks.

1,544,224. POLISH FOR AUTOMOBILES AND THE LIKE. George W. Darlington, San Pedro, Calif. Filed June 19, 1924. Serial No. 721,611. 6 Claims. (Cl. 134—24.)

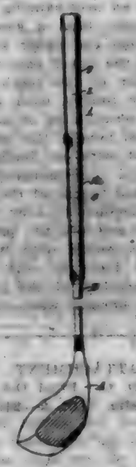
1. A polishing composition in the form of an emulsion, containing eucalyptus oil, a waxy material, a drying oil and water.

1,544,225. SHOE-LACE FASTENER. Jose de Barros, Sacramento, Calif. Filed Aug. 28, 1924. Serial No. 734,628. 5 Claims. (Cl. 24—121.)



1. A device of the class described comprising a body, means for attaching said body to a shoe, said body having a diametrical slot formed in said body extending downward from the top thereof and adapted to receive the ends of a shoe lace, and resilient means disposed within said slot for retaining said ends therein.

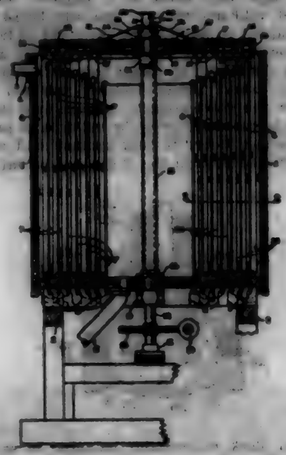
1,544,226. HANDLE FOR GOLF STICKS. Louis K. Du Bus, Cincinnati, Ohio. Filed Dec. 26, 1922. Serial No. 608,989. 4 Claims. (Cl. 273—81.)



1. A golf club handle, comprising a shaft having a plurality of annular hand portions mounted thereon for independent or individual rotary movement thereabout.

1,544,227. APPARATUS FOR ELECTRODEPOSITION OF PRECIOUS ORES. Wirthrop Rufus Doane, Timmins, Ontario, Canada. Filed Nov. 26, 1923. Serial No. 677,037. 4 Claims. (Cl. 204—15.)

1. In a device of the class described, a vessel having an ingress and an egress, a plurality of anodes comprising concentric cylinders affixed to the vessel bottom and gradually decreasing in height towards their common centre, a plurality of cathodes comprising concentric cylinders depending from a spider, the individual cathodes each being disposed intermediate of the successive anodes forming alternate anodes and cathodes;



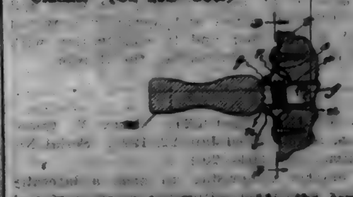
means to conduct electric power to and from the electrodes, and means to rotate the spider to agitate a solution during its passage through the vessel.

1,544,228. WASTE COLLECTOR FOR COMBING MACHINES. John H. Dooley, New Bedford, Mass., assignor to Whitin Machine Works, Whitinsville, Mass., a Corporation of Massachusetts. Filed Dec. 6, 1924. Serial No. 754,304. 3 Claims. (Cl. 19—116.)



1. In a combing machine, the combination with a combing member and a stripping brush, a casing inclosing said combing member and stripping brush, a perforated rotary screen, an air-exhausting means connected to said screen and operating to generate an air current therethrough whereby the waste from the stripper brush is collected on the screen and positively driven means cooperating with the screen for compressing the waste into a sliver.

1,544,229. HANDLE ASSEMBLY. Frank M. Edgar, Detroit, Mich., assignor to Ternstedt Manufacturing Company, Detroit, Mich., a Corporation of Michigan. Filed Sept. 28, 1923. Serial No. 665,315. 5 Claims. (Cl. 292—356.)



1. In a door handle assembly, the combination of an escutcheon provided with a front plate and a back plate, a handle spindle passing through the plates and

provided with a collar located between the plates, and a spring bearing against the back plate and thrusting against the collar for the purpose specified.

1,544,230. PUMP. Henry M. Green, Los Angeles, Calif., assignor to Earl P. Hopkins, Council Bluffs, Iowa. Filed Dec. 1, 1922. Serial No. 604,837. 10 Claims. (Cl. 103—225.)



1. In a plunger pump, a plunger tube, a cylindrical packing medium surrounding the tube, a retainer for one end of the packing medium, and an expanding means operative against the opposite end of the packing medium whereby to compress the packing medium between the plunger tube and the working barrel, said packing medium consisting of a swab-like group of longitudinal packing pieces.

1,544,231. UTENSIL FOR HANDLING PIE TINS. William H. Hosea, Piedmont, Calif. Filed Mar. 18, 1925. Serial No. 16,348. 2 Claims. (Cl. 294—52.)



1. As an article of manufacture, a utensil for removing pie tins from an oven which comprises a flat blade, a segmental arcuate rim at one end of the blade, said rim coinciding in height, curvature and bevel to the rim of a pie tin, a flat lip extending outwardly from said rim and parallel to the blade whereby the rim and marginal lip of a pie tin will nest over said rim and lip, and a handle extending outwardly from the rear surface of said rim.

1,544,232. COLLAPSIBLE TUBE. William C. Hutcroon, Jr., East Greenwich, R. I. Filed Nov. 16, 1923. Serial No. 674,883. 3 Claims. (Cl. 225—66.)

1. A collapsible tube having a neck formed with an inwardly tapering seat, and a cap on the neck having a diametrical discharge slot, said cap having an enlarged part formed with a pair of divergent openings each leading from the discharge slot through the adjacent bottom portion of the cap, the enlarged part being peripherally tapered to engage on said seat so as to cause the latter to close the lower ends of the divergent openings.

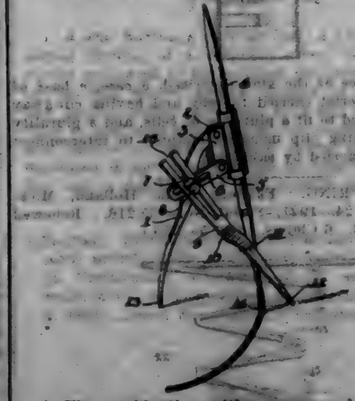


1,544,233. JACKING ATTACHMENT FOR MOTOR VEHICLES. Joseph H. Ico, Chicago Heights, Ill. Filed Feb. 12, 1923. Serial No. 618,491. 11 Claims. (Cl. 293—55.)



10. The combination with the channel side member of an automobile frame, of a bumper bracket, comprising a body part applied against the outside of said channel member, blocks engaging over the top and bottom webs of said channel member and clamped to said bracket, and a lug carried by said bracket and engaging the channel member under the lower web thereof.

1,544,234. BRUSH GUIDE FOR COMPASSES. George H. James, Los Angeles, Calif. Filed May 7, 1923. Serial No. 637,201. 4 Claims. (Cl. 33—27.)

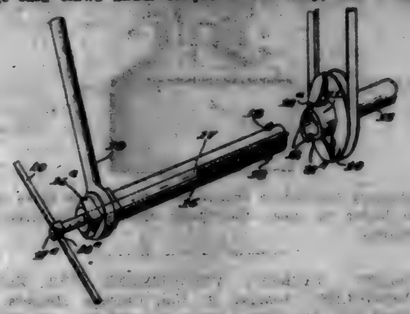


1. The combination with a compass leg and a socket adjustably connected to the leg, of a finger adjustably connected to the leg and adapted to bear at the opposite side of a brush in the brush holder from the leg.

1,544,235. PULLER FOR FAN-DRIVE PULLEYS. Morris J. Johnson and Alf C. Schinnus, Minneapolis, Minn. Filed July 21, 1924. Serial No. 727,128. 5 Claims. ((Cl. 29—85.)

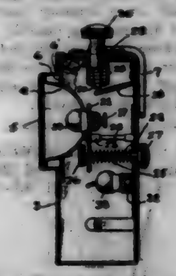
1. In a device for pulling from a shaft a wheel conventionally combined with a crank-receiving hub having ratchet-like clutch claws formed therein, a tubular body,

the head thereof being adapted to receive a tool for twisting said body, lugs near the tip of the body, said body being adapted to be inserted at its tip in said hub and said lugs adapted to co-act with and interlockingly engage said claws under torque of the body, and a screw



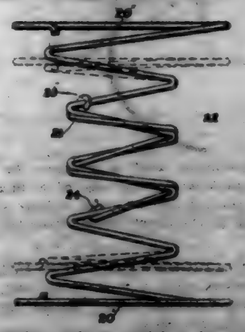
threaded within said body and adapted to be brought to bear at the tip thereof against the end of said shaft upon rotation thereof with respect to the body, the head of said screw being adapted to receive a tool for turning the same.

1,544,236. PORTABLE ELECTRIC LIGHT. WALTER D. KAHN, West Orange, and GEORGE A. THOMSON, Newark, N. J., assignors to Diamond Electric Specialties Corporation, Newark, N. J., a Corporation of New Jersey. Filed Apr. 7, 1922. Serial No. 550,322. 5 Claims. (Cl. 240—8.5.)



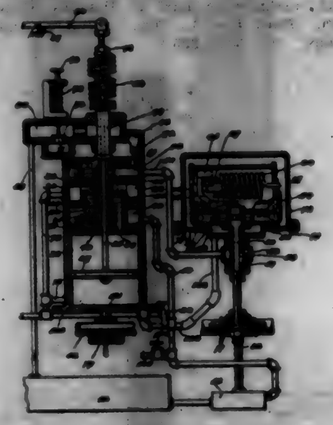
3. In a device of the kind described, a case, a base of insulating material carried thereby and having cut-away portions adapted to fit a plurality of cells, and a plurality of metallic spring clip members adapted to interconnect the cells and carried by said base.

1,544,237. SPRING. FRANCIS KARR, Holland, Mich. Filed Mar. 24, 1921, Serial No. 455,216. Renewed Dec. 12, 1923. 6 Claims. (Cl. 5—256.)



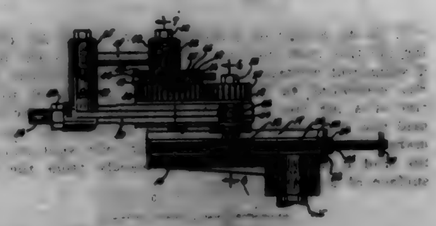
1. A coil spring unit comprising, in combination, two coil spring elements having a part only of their turns intercoiled and the remaining turns extending beyond the intercoiled turns in opposite directions.

1,544,238. GOVERNOR. ALEXANDER T. KASLEY, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Jan. 3, 1922. Serial No. 528,514. 16 Claims. (Cl. 264—14.)



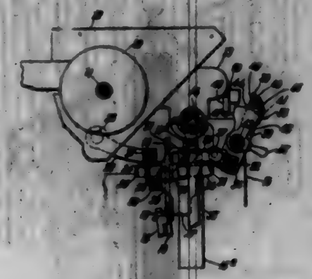
14. The combination with a motor having an admission valve, of governing mechanism for the motor comprising fluid-pressure developing means driven by the motor, an operating cylinder, an operating piston within the cylinder, a piston rod for connecting the piston with the admission valve, a piston valve surrounding the piston rod and having slight clearance with respect thereto, a valve cylinder having passages communicating with said pressure-developing means and with the exhaust, means on the valve for placing the operating cylinder in communication with the pressure-developing means or with the exhaust dependent upon the valve position, a second operating piston connected to the valve, ports in the valve connecting the clearance space with respect to the piston rod with said pressure-developing means and with the space at one side of the second operating piston, a spring under compression and acting on both pistons to oppose the fluid pressures applied thereto, and speed-responsive means for relieving the pressure of fluid applied to the second operating piston.

1,544,239. CRANK MECHANISM FOR CUTTING MACHINES. HERBERT F. KELLY, Springfield, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 31, 1924. Serial No. 703,062. 2 Claims. (Cl. 74—38.)



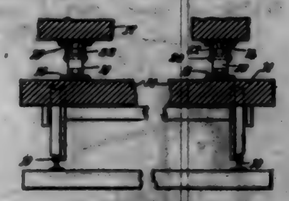
2. A variable crank mechanism adapted to produce alternately different throws, comprising a crank, a crank pin fixed thereon, a gear fixed on the crank pin, a second gear twice the size of the first and mounted so that its pivot will always remain a constant distance from the pivot of the first gear but on one side thereof, and a crank pin fixed to the second gear.

1,544,240. TYPEWRITING MACHINE. ALFRED G. F. KUNOWSKI, Brooklyn, N. Y., assignor to Underwood Typewriter Company, New York, N. Y., a Corporation of Delaware. Filed Mar. 24, 1923. Serial No. 627,263. 7 Claims. (Cl. 197—176.)



1. In a typewriting machine having a platen-carriage mounted for letter-space movement, a rack for said carriage, an escapement co-operative with said rack to control said carriage movement, means for disengaging said rack from said escapement to release said carriage, stop-mechanism for said carriage, said stop-mechanism including a frame having a stop movable into the path of said carriage, means for concomitantly operating said stop-mechanism and said carriage-releasing means, and locking means operative directly between said frame and said carriage-releasing means for normally rendering said carriage-releasing means inoperative.

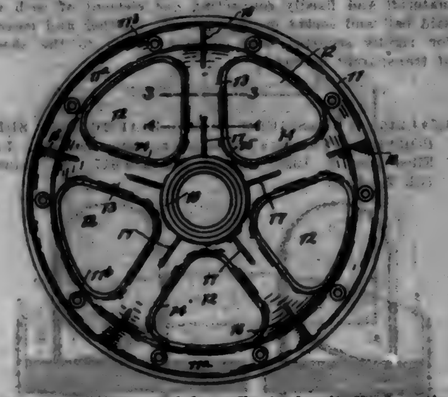
1,544,241. CAR MOUNTING. ELMER A. LAUGHLIN, Oregon, Ill., assignor of one-half to Elmyr A. Laughlin and one-half to Joshua R. H. Potts, both of Chicago, Ill. Filed Mar. 25, 1923. Serial No. 626,613. 10 Claims. (Cl. 64—25.)



1. In a car mounting, the combination with a truck and a body pivotally mounted thereon, of opposed bearing heads depending from said body and upstanding from said truck, the ends of said heads being provided with rolling bearing surfaces; a rocker member interposed between said bearing heads, said rocker being provided with bearing surfaces making rolling contact with the ends of said heads; and projecting stop members on one end of said rocker loosely embracing the sides of the corresponding bearing head to maintain operative relations between them, substantially as described.

1,544,242. CAST-METAL WHEEL. GEORGE L. LAVERY, Cleveland, Ohio, assignor to The West Steel Casting Company, Cleveland, Ohio, a Corporation of Ohio. Filed Dec. 11, 1922. Serial No. 606,062. 16 Claims. (Cl. 301—65.)

5. A cast metal wheel for automotive vehicles comprising a hub, a rim and spokes cast integrally, the spokes being relatively thin and having thickened portions extending longitudinally thereof, said spokes



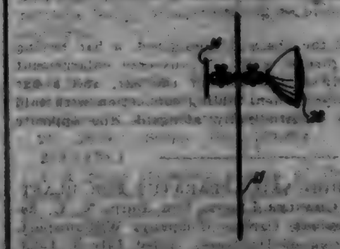
being bowed or curved laterally in longitudinal section and being curved in transverse section.

1,544,243. GARBAGE RECEPTACLE. CATHARINE LEHMKUHL, Newark, N. J. Filed Jan. 31, 1924. Serial No. 689,793. 2 Claims. (Cl. 220—86.)



1. A can having a pair of ears, a bail pivotally connected thereto, of a sectional cover, one section being rigidly connected to the can and the other section hinged to the first named section, flanges on the hinged section and extending outwardly over said ears, cam plates fixed to said bail and adapted for engagement with the said flanges to raise the said cover, when the bail is depressed in one direction and to raise said cover when the bail is depressed in the opposite direction.

1,544,244. COMBINED WIND DEFLECTOR, MIRROR, AND SPOTLIGHT. JULIUS C. LEHMANN and GEORGE H. TIMMERMAN, Brooklyn, N. Y., assignors to Lehmann & Co., a Corporation of New York. Filed Aug. 4, 1921. Serial No. 488,673. 3 Claims. (Cl. 45—97.)



2. A support for a mirror and a spot light or the like, a sheet of transparent material, said support comprising a pair of adjustable supporting members, each

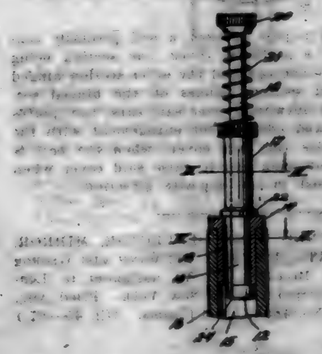
comprising a ball and socket, common means constructed to extend on opposite sides of the sheet of transparent material and fixedly connecting one element of each of said ball and socket members to one another and means for rigidly securing said common means to the sheet of transparent material.

1,544,245. BRASSIÈRE AND DIAPHRAGM SUPPORTER. VICTORIA LENDERMEN, New Orleans, La. Filed Apr. 3, 1923. Serial No. 629,617. 5 Claims. (Cl. 2—42.)



4. A combined brassière and diaphragm supporter comprising a body member tapering smaller towards its ends, means for securing the ends together, an elastic band of less length than the length of the said member, said elastic band secured to the inner face of the said member adjacent the lower end thereof to aid in supporting the diaphragm, suspension straps having their suspension ends secured to the inner faces of the said member and extending across the full width thereof to provide reinforcing strips, and arcuate reinforcing strips for the bust and diaphragm portions of the member connected to the inner face of said member and joining some of said reinforcing strips in pairs.

1,544,246. TOOL FOR REMOVING BUSHINGS. HARRY J. LESLIE, St. Joseph, Mo. Filed Jan. 21, 1924. Serial No. 687,471. 6 Claims. (Cl. 29—88.2.)



1. In a tool of the character described, a bar having one of its ends formed with a transverse enlargement projecting laterally to one side of the bar, and a bar segment having a permanent sliding connection with said bar and movable longitudinally alongside the opposite side of the bar.

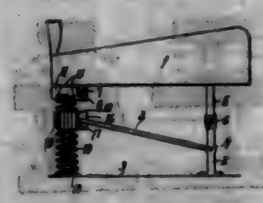
1,544,247. METHOD AND APPARATUS FOR BLASTING. GEORGE CHARLES LEWIS, New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa., a Corporation of Delaware. Filed July 9, 1923. Serial No. 650,215. 11 Claims. (Cl. 102—6.)

1. In blasting, the process steps comprising dipping a body of finely subdivided combustible material in liquid oxygen to saturate said body, placing the saturated body in a loose fitting outer container substantially impermeable to liquid oxygen to thereby retain about said body a jacket of cold gaseous oxygen, and placing the saturated body and container in the body to be blasted.



10. A cartridge including a container, a body of finely subdivided combustible material therein, and means for conducting liquid oxygen to the interior of the cartridge when the entire container is dipped into the liquid oxygen, said means comprising a piece of combustible lamp wicking embedded within said body.

1,544,248. SPRING SEAT SUPPORT. JOSEPH LESAL, West Hatfield, Mass., assignor of one-half to Hugh McLeod, Hatfield, Mass. Filed June 21, 1924. Serial No. 721,296. 7 Claims. (Cl. 155—55.)

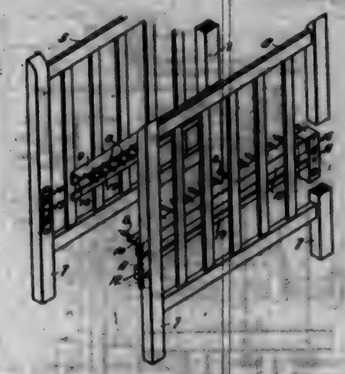


1. As an improved article of manufacture, a spring seat support comprising a spring having a head adapted to be pivotally connected with a seat, and a sleeve on said spring, which sleeve is adapted to be connected with a movable brace.

1,544,249. BED CONSTRUCTION. MORRIS LIPPS, New York, N. Y. Filed Oct. 4, 1921. Serial No. 505,268. 2 Claims. (Cl. 5—132.)

1. A bed spring frame comprising angle iron head and foot rails for carrying a fabric bottom, upright angle brackets having cross braces for connecting the same together, said brackets having inwardly extending side flanges at right angles to the cross braces, a slot in the upper ends of said side flanges for receiving one of the flanges of the head and foot rails with the other flange of said head and foot rails resting on the top of said side flanges, the ends of the head and foot rails extending outwardly to alignment with the outer vertical

edges of the upright angle brackets, the other flange of each of the brackets having openings, side bars connecting the brackets, and head and foot boards having



brackets on their corner posts provided with lugs to detachably fit into the openings in the first mentioned brackets to secure the bed spring frame to the head and foot boards.

1,544,250. PRODUCTION OF CALCIUM ARSENATES. DOMINGO LOPEZ, St. Albans, W. Va. Filed Mar. 19, 1923. Serial No. 626,159. 6 Claims. (Cl. 23—53.)

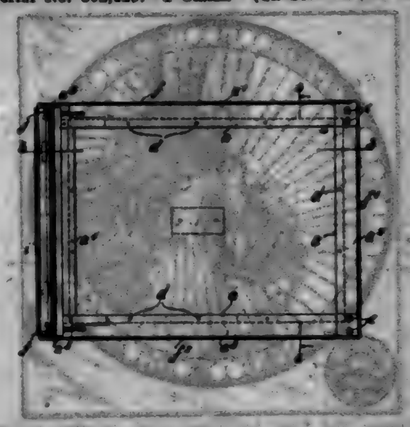
1. The process of producing a light fluffy calcium arsenate in a single step comprising passing chlorine into a mixture of lukewarm water, arsenious oxide, and lime, and boiling after the chemical reaction occurs to minimize the production of soluble arsenates.

1,544,251. CRIB CORNER LOCK. EDWIN LEDING, Brooklyn, N. Y., assignor to S. Weisglass & Company, Inc., Brooklyn, N. Y., a Corporation of New York. Filed May 9, 1923. Serial No. 637,740. 6 Claims. (Cl. 5—132.)



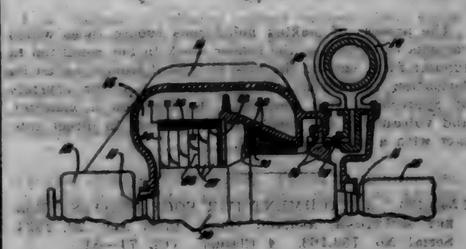
1. In combination, an upright having an attaching plate thereon; a side member having an end portion bent at an inclination to the plane of the main portion of the side member; a supporting bracket having a horizontal portion secured at its free end to the side member near the bend therein and having a vertical portion; means for securing said vertical portion to the free end of the bent portion of the side member; and means appurtenant to the vertical portion of the bracket engageable with means appurtenant to said attaching plate for removably securing the supporting bracket to the upright.

1,544,253. COVERS AND BINDING FOR BOOKS. ALBERT MANN, Stroud, England. Filed Nov. 21, 1922. Serial No. 602,429. 1 Claim. (Cl. 281—37.)



A binding or cover for books consisting of an exterior framework formed to present a smooth unbroken exterior line all round same and constituting wearing surfaces, said framework being provided on its inner edge with recesses, spaced filling plates lodged in said recesses and firmly secured in said frame, the outer one of said plates lying in a plane inwards of the exterior plane or surface of the frame.

1,544,253. TURBINE BLADING. ROLAND MARSLAND, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed May 31, 1923. Serial No. 644,749. 8 Claims. (Cl. 253—77.)

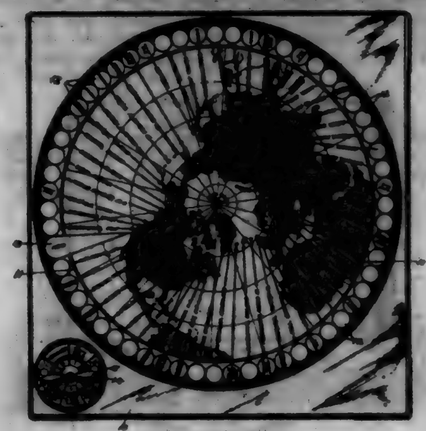


1. In a turbine, a row of blades having portions normally subject to centrifugal bending moments, said portions being corrugated radially in order to resist said moments.

1,544,254. GAME. HORACE W. MAY and BRADFORD A. MATHEWSON, Orosi, Calif., assignors of one-fourth to William R. Litzenberg, Los Angeles, Calif. Filed Aug. 26, 1924. Serial No. 733,958. 3 Claims. (Cl. 273—134.)

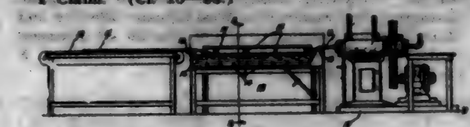
2. A game including a map of the northern hemisphere, a series of spaces around said map with connecting lines to different geographical locations on said map, said spaces having indicated thereon conditions and needs of the player stopping thereat, a spinning device having indicia thereon for indicating the advance and

the meeting of the condition and need, said device involving the element of chance and adapted to be manipu-



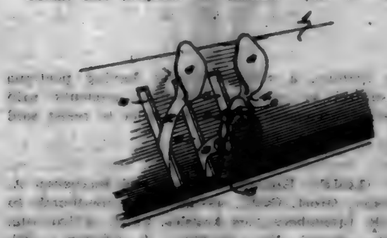
lated by each player to determine his advance in the course of travel and how his condition and need are met, substantially as described.

1,544,255. ART OF MAKING NONPOROUS TUBES AND OTHER ARTICLES. CHARLES EDGAR MAYNARD, Northampton, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Oct. 1, 1924. Serial No. 741,065. 1 Claim. (Cl. 18—53.)



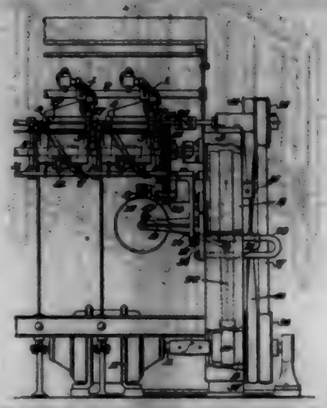
The process of making non-porous rubber tubes which consists in extruding the rubber stock in hot condition in tubular form, cooling the tube so formed promptly after its formation to prevent the formation of sulfur crystals of appreciable size, mounting the tube on a mandrel, and vulcanizing the tube with its surface in direct contact with a vulcanizing fluid.

1,544,256. ATTACHMENT FOR FOOT PEDALS. ROBERT MCILWROSH, Ashland, Ohio. Filed Aug. 20, 1924. Serial No. 733,163. 4 Claims. (Cl. 74—91.)



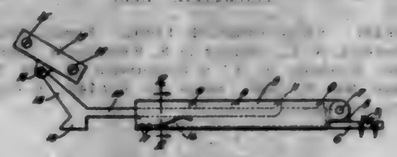
1. In a device of the character described, a pair of complementary sections, each of said sections comprising a base portion adapted to be arranged on top of a foot pedal, means carried by each of said sections adapted to engage said foot pedal, webs extending upwardly from said base portions, means for securing said webs to each other, and tread portions arranged on the upper ends of said webs.

1,544,257. WINDING MACHINE. JOHN O. MCKEAN, Westfield, Mass., assignor to Foster Machine Company, Westfield, Mass., a Corporation of Massachusetts. Filed Nov. 20, 1924. Serial No. 751,017. 11 Claims. (Cl. 242—18.)



1. In a winding machine, a main frame, a thread guide reciprocating cam shaft carried thereby, an auxiliary frame, and a cop driving roll shaft section carried thereby, said auxiliary frame being movable out of the way, for gaining ready access to the cam shaft.

1,544,258. ADJUSTABLE FOOT REST FOR AUTOMOBILES. JAMES A. MCMASTER, Springfield, Mass. Filed Aug. 12, 1924. Serial No. 731,670. 4 Claims. (Cl. 296—75.)

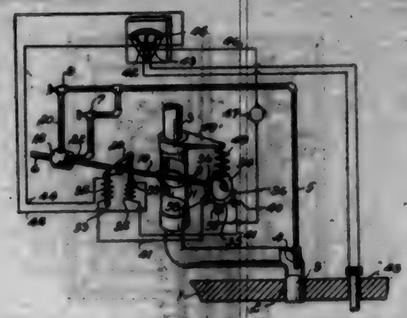


1. An adjustable foot rest for automobiles and the like, comprising a pair of side members and a foot board or rest connecting said side members, each side member comprising a hollow casing hingedly secured to the floor of the automobile, a bar telescoping within said casing and having a foot board bracket for said foot board at the outer end thereof, said bar fitting loosely within said casing and having a certain amount of latitudinal play therein, and means comprising a tension member located wholly within said casing for locking said foot board in a plurality of different positions.

1,544,259. DEVICE FOR AND SYSTEM OF REGULATING TEMPERATURES. HARRY W. MCQUAID and ALEXANDER G. RIPPENGER, Canton, Ohio, assignors to The Timken Roller Bearing Company, Canton, Ohio, a Corporation of Ohio. Filed Mar. 2, 1922. Serial No. 540,891. 9 Claims. (Cl. 236—68.)

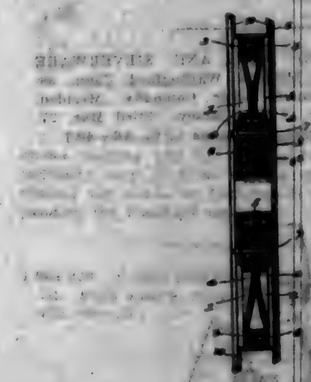
1. In a device of the kind described, the combination with a thermocouple, a fuel valve, solenoids for operating said fuel valve and a temperature indicator connected to said solenoids, of a switch member for operating said solenoids comprising an oscillatable disk, an arcuate conductor thereon, and three contact members disposed in an arc to contact with said arcuate conductor,

the middle contact member being in contact with the arcuate conductor at all times, and the outer contact members being each in contact with said arcuate con-



ductor in one position of said disk, and said outer contact members being connected respectively with a solenoid, said switch member being in an electric circuit including said solenoids and said temperature indicator.

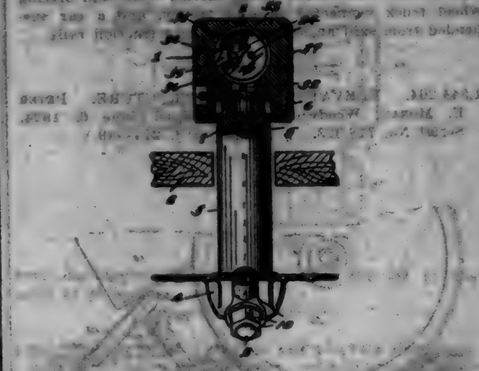
1,544,260. WHEEL. CHARLES CHRISTOPHER MENGEL, Louisville, Ky., assignor to The Mengel Company, Louisville, Ky., a Corporation of New Jersey. Filed May 1, 1924. Serial No. 710,364. 2 Claims. (Cl. 301—63.)



2. A built up wheel comprising in combination two disk-like elements each element being formed of laminated material, and comprising a flat central section, an outwardly flaring section extending therefrom, and a flat outer section, said elements being placed together with the central sections in contact and outer sections separated; means interposed between and secured to the outer flat sections; laminated hub elements placed upon the outer faces of the flat central sections; hub plates contacting the outer faces of the hub elements; and means for securing said plates to each other and to the members embraced thereby.

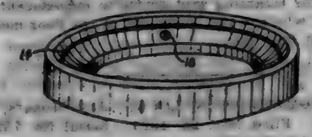
1,544,261. CONTROLLING MEANS FOR STARTERS FOR INTERNAL-COMBUSTION ENGINES. WILLIAM MARANVILLE, Syracuse, N. Y. Filed Oct. 13, 1922. Serial No. 594,949. 5 Claims. (Cl. 290—44.)

1. In a controlling mechanism for electric starters for internal combustion engines, the combination of a shiftable operating member and a starting switch operable thereby, an ignition switch in said shiftable operating member, a lock comprising a part operable to hold the



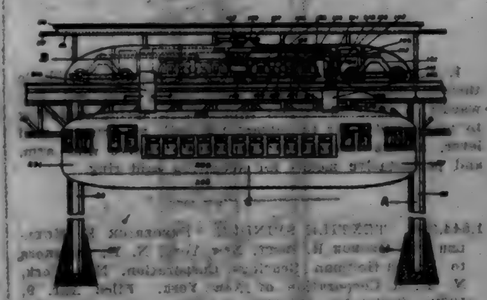
operating member from movement, and key operated mechanism connected to said part and to the ignition switch to operate the same.

1,544,262. MARKING RUBBER. THOMAS MIDGLEY, Hampden, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed Mar. 17, 1923. Serial No. 625,767. 3 Claims. (Cl. 18—61.)



1. A process of making rubber vehicle tires which comprises forming the tire with tread sidewalls of stocks of contrasting shades, and heating the tire in contact with a band which overlaps the meeting edges of the two stocks and is composed of a metal such as copper capable of reacting upon the rubber mixture to produce a change of shade therein.

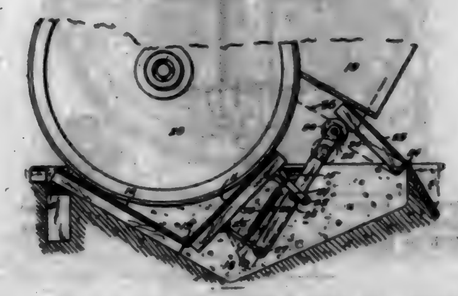
1,544,263. UNA-RAIL SYSTEM. FRANK L. MONTGOMERY, Buffalo, N. Y. Filed Feb. 9, 1921, Serial No. 443,699. Renewed Nov. 28, 1924. 5 Claims. (Cl. 104—93.)



1. In a una-rail system, a supporting structure, a traction rail carried thereby, a current rail suspended from said structure above and parallel to said traction rail, driving apparatus supported on said traction rail

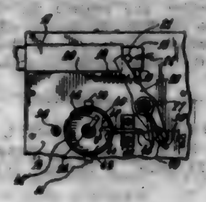
below said current rail, said apparatus comprising a truck carrying a plurality of driving wheels, a truck carrying a plurality of pilot wheels, a bolster bar to which said trucks are pivoted, a trolley yieldingly held against said current rail, and a motor carried upon said driving wheel truck connected to said trolley, and a car suspended from said apparatus below said traction rails.

1,544,264. ELEVATOR DUMP STRUCTURE. PETER E. MORAN, Woodward, Iowa. Filed June 6, 1924. Serial No. 718,823. 4 Claims. (Cl. 214—49.)



1. In combination with a wagon dump having hinged floor members, a floor door operating device hingedly connected to one of the floor members, a hinged floor door, means for retaining said device in engagement with the floor door whereby the movement of the floor members will raise said floor door.

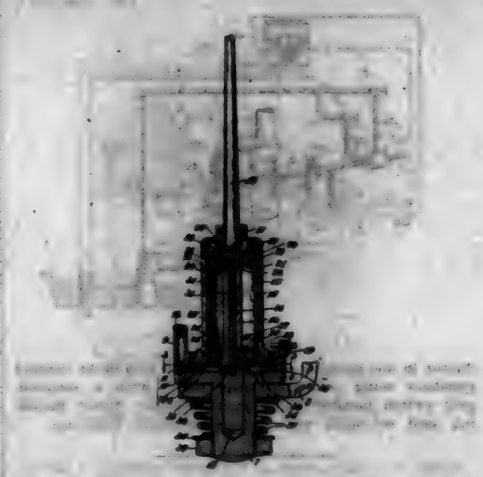
1,544,265. COMBINATION LOCK. JAN MORRIS, New York, N. Y. Filed Nov. 25, 1924. Serial No. 752,083. 3 Claims. (Cl. 70—53.)



1. A keyless lock comprising a casing, a bolt slidable therein, means for normally projecting said bolt outwardly, a lever to retract said bolt, a spring operating to move said lever to retract the bolt, an arm on said lever, a ring having an opening to receive said arm, and permutative means for actuating said ring.

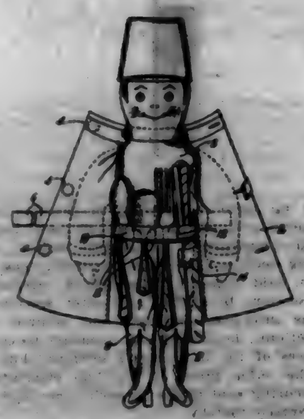
1,544,266. TEXTILE SPINDLE. FREDERICK E. MUELLER and GEORGE R. BOTT, New York, N. Y., assignors to Norma-Hoffman Bearings Corporation, New York, N. Y., a Corporation of New York. Filed Apr. 9, 1920. Serial No. 372,400. 2 Claims. (Cl. 118—66.)

1. A spindle mounting comprising a socket member having a lubricant chamber, a bolster fitted therein and having a lubricant passage, a whirl extending about said bolster and fitting into said chamber, a spindle carried by said whirl, anti-friction bearings carried by said whirl and bolster, an annular baffle plate situated in said lubricant chamber having its inner edge spaced from the



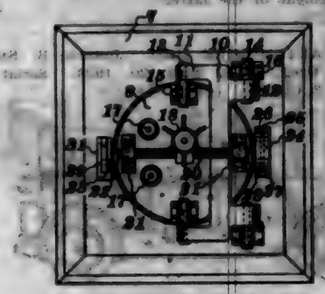
bolster and outer edge spaced from the side walls of the socket, and means for supporting said baffle plate above the bottom of the socket.

1,544,267. COMBINED DOLL AND SILVERWARE HOLDER. CRAIG D. MUNSON, Wallingford, Conn., assignor to International Silver Company, Meriden, Conn., a Corporation of New Jersey. Filed Mar. 27, 1925. Serial No. 18,677. 4 Claims. (Cl. 46—40.)



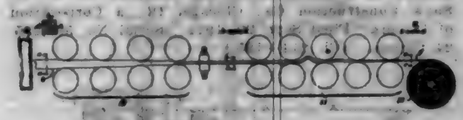
1. A holder for flat tableware consisting of a doll having a doll body with an inner garment thereon, said garment having a loop thereon for holding flat tableware and an outer garment having a flap covering said loop and concealing the same.

1,544,268. SAFE-DOOR ATTACHMENT. WARREN B. MURRAY, Fort Dodge, Nebr., assignor to Anakin Lock & Alarm Co., Chicago, Ill., a Corporation of Delaware. Filed Dec. 23, 1922. Serial No. 608,622. 4 Claims. (Cl. 109—11.)



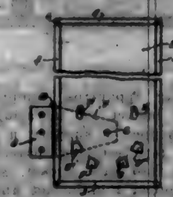
1. In combination with a vault or safe door, a mechanism for securing the door in closed position including in part a shaft journaled upon the door and having an eccentric pin, a removable block for engaging the eccentric pin, and a fixture for removably holding the block adjacent the safe door.

1,544,269. EXPANDED-METAL MANUFACTURE. HARRY M. NAUGLE and ARTHUR J. TOWNSEND, Canton, Ohio. Filed May 19, 1924. Serial No. 714,335. 5 Claims. (Cl. 164—6.6.)



1. The method of making expanded metal, which includes heating and hot rolling billets or bars longitudinally only to form thin bands directly, and then slitting the bands to form bonds and strands and expanding the resultant meshes.

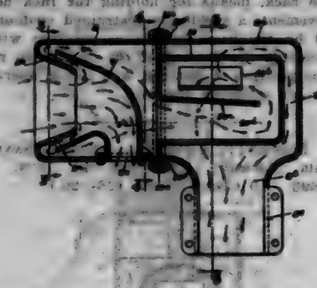
1,544,270. CARD HOLDER. FRED S. NELSON, Chicago, Ill. Filed June 9, 1924. Serial No. 718,822. 6 Claims. (Cl. 40—10.)



1. A card holder having a plurality of supports thereon, each support adapted to engage a hinge, whereby said holder may be supported in a plurality of positions relative to said hinge.

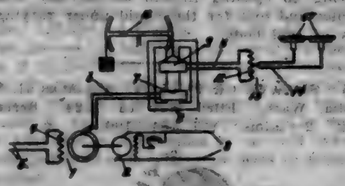
1,544,271. AIR-CLEANING DEVICE. OSCAR JULIUS NELSON, Canton, Ohio, assignor of one-half to Walter D. Magruder, Canton, Ohio. Filed Nov. 19, 1923. Serial No. 675,513. 13 Claims. (Cl. 183—35.)

1. In an air cleaner, the combination with a conduit including a deflector horn having its bell spaced from and overlapping said conduit and forming conjointly therewith an annular reversely directed passage, said



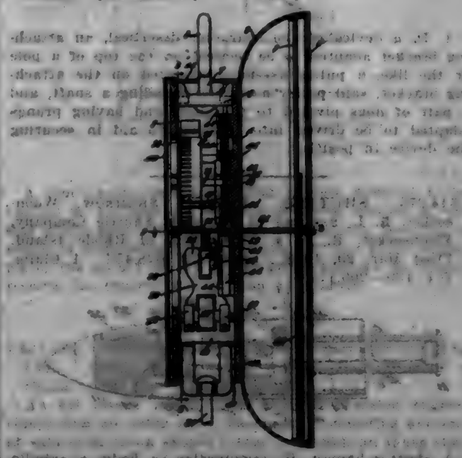
horn discharging foreign matter from the air at the point of diversion.

1,544,272. METHOD OF AND APPARATUS FOR PRODUCING HIGH-FREQUENCY ELECTRIC WELDS AND PRODUCT RESULTING THEREFROM. DONALD F. PANCOAST, Cleveland, Ohio. Filed Dec. 11, 1924. Serial No. 755,179. 32 Claims. (Cl. 219—6.)



1. A method of butt-welding by means of an alternating current which includes the step of causing a constant current of high-frequency to flow across the seam-cleft of the stock to be welded progressively of the length thereof.

1,544,273. WEIGHING SCALE. WALTER EDWARD SAWYER, Jacksonville, Fla., assignor to Sawyer Specialty Scales Company, Jacksonville, Fla., a Corporation. Filed Feb. 23, 1923. Serial No. 620,675. 4 Claims. (Cl. 265—8.)



1. In weighing scales the combination with a yieldingly supported beam, a load engaging member, and means for transmitting the weight of the supported

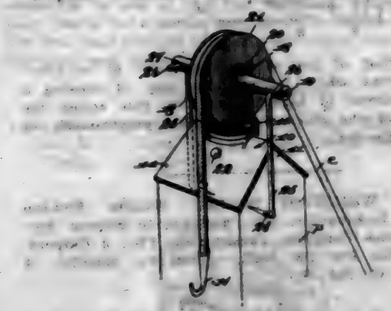
load from said member to the beam, of a slidable rack, adjustable guiding means therefor, an indicator operated by the rack, means for holding the rack normally against movement, a yieldingly restrained cushioning lever carried by the beam, means cooperating with said lever for limiting the descent of the rack when released from normal position, a plunger, and means operated by the plunger for releasing the rack.

1,544,274. DOMESTIC COOKER. ANDREAS SAXEGAARD, Christiania, Norway. Filed Feb. 14, 1924. Serial No. 692,693. 10 Claims. (Cl. 126—20.)



1. In a domestic cooker, a liquid reservoir serving as a heat accumulator and as a means to transfer heat to cooking vessels, a body immersed in the liquid adapted to serve as a holder for heating elements and to transfer heat to the liquid, and a casing enveloping said body having an opening therein successively constituting an inlet and exit for the liquid under varying temperatures of said body.

1,544,275. SHEAVE OR PULLEY. CHARLES H. SEARS, Centralia, Wash. Filed May 16, 1924. Serial No. 713,802. 2 Claims. (Cl. 254—190.)



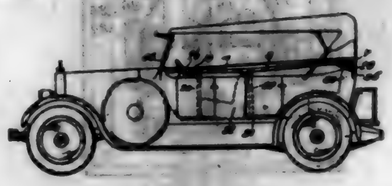
1. In a device of the character described, an attaching bracket adapted to be secured on the top of a pole or the like, a pulley assembly mounted on the attaching bracket, said pulley assembly including a shaft, and a pair of dogs pivoted to the shaft and having prongs adapted to be driven into the pole to aid in securing the device in position.

1,544,276. SHUTTLE. JOHN C. SHAMBOW, Woonsocket, R. I., assignor to Shambow Shuttle Company, Woonsocket, R. I., a Corporation of Rhode Island. Filed Mar. 29, 1923. Serial No. 628,453. 1 Claim. (Cl. 139—209.)



A shuttle having, in combination, a body, a spindle block pivoted in the body and having a bobbin engaging lug to prevent rotation of the bobbin and a longitudinal spindle hole, a spindle having a plattic received in the spindle hole and provided with an enlargement to form a shoulder adapted to bear against the spindle block, the enlargement being slabbed beneath the bobbin engaging lug of the spindle block, and additional means engaging the spindle to prevent longitudinal movement of the latter.

1,544,277. AUTOMOBILE BED. JOSEPH B. SMITH, Portland, Oreg. Filed Sept. 20, 1923. Serial No. 663,799. 3 Claims. (Cl. 5—119.)



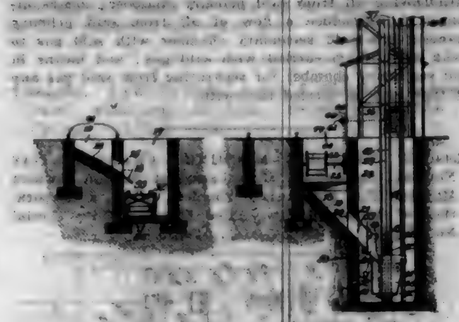
3. An automobile bed, consisting in a pair of side rails, each said rail being composed of two sections hingedly connected together, end bars detachably connected at opposite ends of said rails to form a rectangular frame, supports for said frame at its ends and also at its said hinged connections, a sheet of fabric stretched between said end bars, and means detachably connecting one of said bars and said rails affording adjustment in the length of said fabric between said bars.

1,544,278. MATERIAL-ELEVATING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Sept. 29, 1922. Serial No. 591,285. 24 Claims. (Cl. 214—125.)

1. Material elevating apparatus, comprising in combination, a hopper, a bucket for elevating material located adjacent said hopper, a support, a receptacle engaging said support for receiving material from said hopper for discharge into said bucket, said receptacle being between said hopper and bucket and bodily movable along said support from said hopper toward said bucket and tiltable into a position for discharging its contents into said bucket.

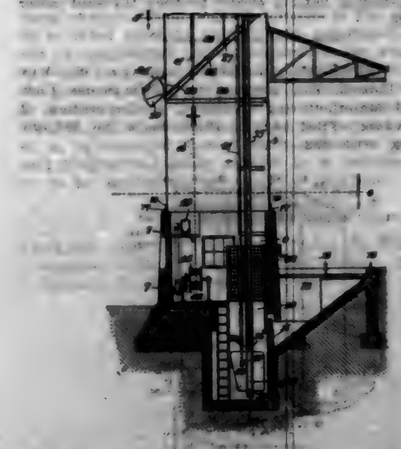
1,544,279. MATERIAL-HANDLING APPARATUS. BARTON S. SNOW, Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Nov. 24, 1922. Serial No. 603,009. 19 Claims. (Cl. 214—136.)

1. In material-moving apparatus, the combination of a member by which the material is moved and which is movable alternately in opposite directions and requires for its movement in one direction the application of power thereto, means for applying power to said member to move the latter, and means for delivering material to said member comprising a movable element and



mechanism for driving said element from said first-named means alternately with the application of power to said member as stated.

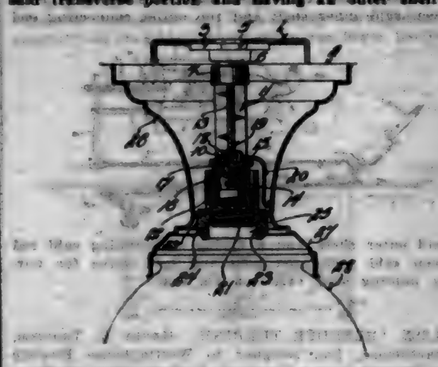
1,544,280. MATERIAL ELEVATING AND STORAGE APPARATUS. BARTON S. SNOW, Chicago, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill., a Corporation of Illinois. Filed Aug. 15, 1924. Serial No. 732,234. 4 Claims. (Cl. 214—16.)



1. Material-elevating apparatus comprising a housing-structure formed of a relatively attenuated sub-structure adapted for erection in a restricted space between two tracks and a superposed upwardly extending shell anchored to said substructure, said shell containing an upwardly-extending material-storage compartment and an upwardly-extending bucket-way, a hoisting element operating in said bucket-way for delivering the material to said storage compartment, and means for operating said hoisting element located below said shell and within the confines of said housing structure and within the confines of the extended geometrical figure of the shell.

1,544,281. ELECTRIC FIXTURE. PETER W. STRANCHAN, Milwaukee, Wis. Filed Jan. 22, 1925. Serial No. 4,210. 4 Claims. (Cl. 240—78.)

1. An electric fixture comprising a cap, a supporting strap having a transverse lower portion and a pair of upwardly extending arms adapted to contact with a wall surface, a screw extending through said transverse portion and screwed into said cap, a socket carried by said transverse portion and having an outer shell re-

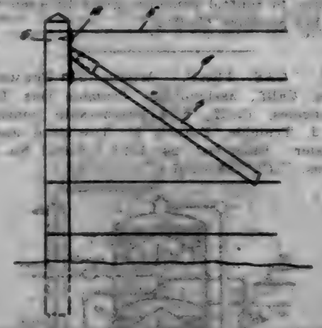


movably screwed on said socket, and a canopy surrounding said supporting strap and held in place by the removable shell of said socket.

1,544,282. PROCESS OF PREPARING FRUITS. OTTO J. STEINWAND, Selma, Calif. Filed July 19, 1924. Serial No. 727,070. 6 Claims. (Cl. 99—11.)

6. The process of treating fruit which comprises immersing it in hot water at a temperature between 170° and 200° F. for a period of from 5 to 7 minutes, then dipping the fruit in a hot lye solution at a temperature below 212° F. for a period of from 15 to 30 seconds to remove the skin, then rinsing it in cold water, and then reducing it to a homogeneous mass to form a jelly-like product.

1,544,283. FENCEPOST-BRACE HOLDER. JOHN STULL, Locompton, Kans. Filed Mar. 11, 1924. Serial No. 698,542. 1 Claim. (Cl. 256—35.)

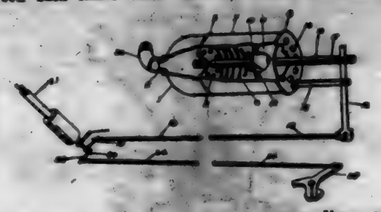


A fence post brace comprising a plate adapted to be applied to the side of the post, a sleeve carried at the side of the plate and having a conical socket, the axis of which is disposed at an acute angle to the plane of the plate, the socket of the sleeve being adapted to snugly receive the tapered end portion of a brace.

1,544,284. AIR VALVE. ROBERT A. TART, Los Angeles, Calif. Filed May 9, 1922. Serial No. 559,665. 1 Claim. (Cl. 251—144.)

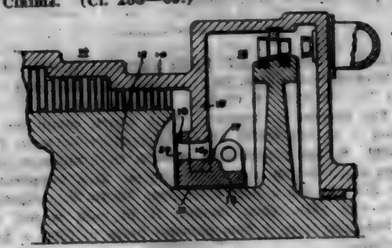
An air intake valve for internal combustion engines comprising an outer shell, means for connecting one end of said shell to an engine intake manifold, an inner shell in the other end of said outer shell in which other end are air inlets communicating with one end of said inner shell, the other end of said inner shell forming a valve seat, a valve rod extending through said inlet end of said

outer shell and through said inner shell, a valve on said rod, a perforated transverse wall in said outer shell between said inner shell and the outlet connecting end



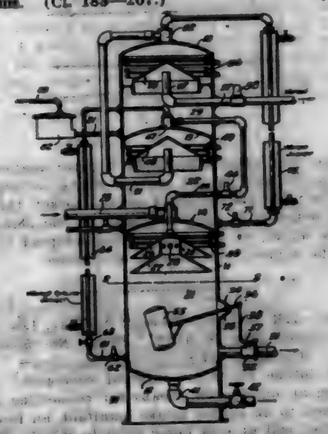
of said outer shell, and a spring surrounding said rod between said perforated wall and said valve for normally holding said valve on its seat.

1,544,285. BLEEDER TURBINE. HENRY R. TROTTER, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,130. 7 Claims. (Cl. 253—69.)



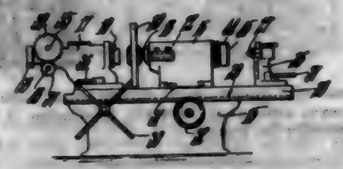
1. In a bleeder turbine, the combination of a casing, a rotor, high-pressure blading, low-pressure blading, and means carried by the casing for separating the high-pressure blading from the low-pressure blading, including a movable gland member fitting the rotor and having a valve means to control communication between the high- and the low-pressure blading.

1,544,286. GAS TRAP. MILON J. TRUMBLE, Los Angeles, Calif., assignor to Trumble Gas Trap Co., Los Angeles, Calif., a Copartnership consisting of Milon J. Trumble, Francis M. Townsend and Alfred J. Gutzler. Filed Oct. 24, 1923. Serial No. 670,445. 7 Claims. (Cl. 183—207.)



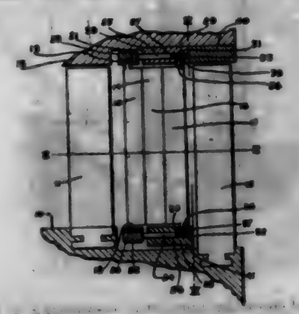
1. A gas trap comprising: walls forming a primary chamber; walls forming a secondary chamber independent of said primary chamber; means for introducing a mixture of oil and gas into said primary chamber; means for withdrawing gas from said primary chamber and introducing it into said secondary chamber; means for withdrawing oil from said primary chamber; means arranged to introduce a flow of oil from said primary chamber into said secondary chamber with said gas to break down foam carried with said gas; and means in said secondary chamber for separating from said gas any oil that may be carried therewith.

1,544,287. GRINDING MACHINE. CHARLES R. VAN NORMAN, Springfield, Mass., assignor to Van Norman Machine Tool Company, Springfield, Mass., a Corporation of Massachusetts. Filed Oct. 6, 1921. Serial No. 505,393. 4 Claims. (Cl. 51—95.)



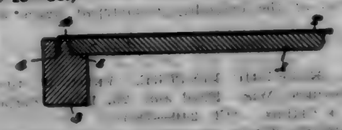
2. In a grinding machine, a base, a work head and a wheel head mounted thereon for movement one relatively to the other, rotary spindles mounted one in each of said heads, a motor mounted to move with one of said heads, driving connections from said motor to each of said spindles, the driving connection to one of said spindles including flexible means between the said motor and spindle.

1,544,288. TURBINE BLADING. BANKS W. VAN ORMER, Folsom, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Aug. 13, 1923. Serial No. 657,129. 7 Claims. (Cl. 253—77.)



1. In a turbine, the combination of a row of moving blades followed by a row of transversely flexible stationary blades.

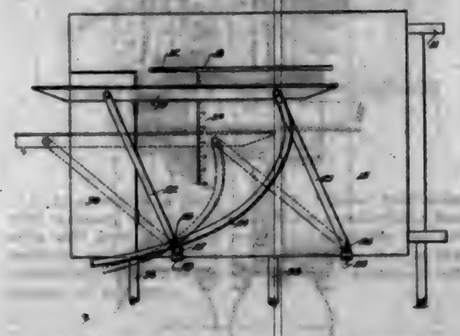
1,544,289. TABLE-TOP STRUCTURE. ANDREW WAGNER, West Hoboken, N. J., assignor to Ferguson Bros. Mfg. Co., Hoboken, N. J., a Corporation of New Jersey. Filed Jan. 17, 1924. Serial No. 686,785. 4 Claims. (Cl. 45—31.)



1. In a table top structure, a table top, a flexible covering therefor, a top frame having a recess for receiving and engaging both the edge and adjacent underside

of the top, said top frame also having a kerf spaced from said recess for receiving the tucked-in edge of the top covering, and means for securing the top and covering in their respective recess and kerf.

1,544,290. SAW TABLE. LOUIS J. WALSTAD, Oakland, Calif. Filed Aug. 20, 1924. Serial No. 733,124. 6 Claims. (Cl. 143—133.)



1. A device of the character described, including a saw, a support for material to be cut, said support being reciprocable in a plane parallel to the saw, whereby to bring material thereon into engagement with the saw, a longitudinal guide mounted on the support, connections between said guide and said support, whereby the guide may be removed from the table and swung into a position where it will act as an extension for the support, and a member carried by the support and adapted to be arranged thereon as a transverse guide when said longitudinal guide member is in extended position or to be shifted out of operative position.

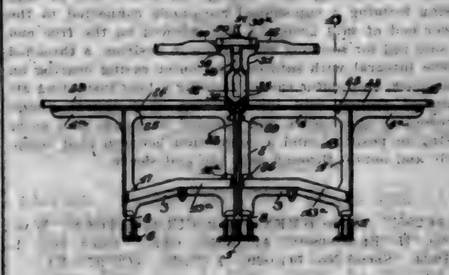
1,544,291. BOTTLE HOLDER. LULU T. WRIGHT, Los Angeles, Calif. Filed Apr. 28, 1924. Serial No. 709,412. 1 Claim. (Cl. 248—68.)



A bottle holding device for nursing bottles, comprising a rectangular base frame, cross bars fixed to the side bars of said base frame, standards of different lengths fixed in the middle of said cross bars, and one of the end bars of said base frame, upstanding curved forks terminating said standards, a helical spring attached to the ends of one of said forks, an upturned hook attached to one of said standards, said helical spring, forks, and upturned hook, cooperating to hold a bottle in an inclined position with respect to said base, and an eye attached to said base frame, by which the whole may be suspended when not in use.

1,544,292. WORKBENCH. WALTER A. ADAMS, Rochester, N. Y. Filed May 17, 1922. Serial No. 561,758. 18 Claims. (Cl. 45—31.)

1. A work bench comprising two side frames, a lower horizontal and longitudinally extending support having a wide surface on which articles or other material may be supported connecting said side frames, and two elongated horizontal and transversely arranged article supports on the side frames above the lower horizontal

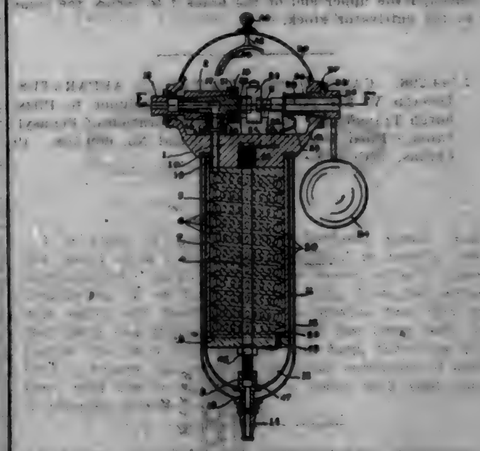


and longitudinally extending supports, said upper two horizontal and transversely extending supports being spaced apart and projecting forwardly beyond the front edge of the lower support.

1,544,293. QUARTZ WORKING. EDWARD R. BERRY, Malden, Mass., assignor to General Electric Company, a Corporation of New York. Filed Apr. 18, 1923. Serial No. 633,018. 4 Claims. (Cl. 49—78.1.)

4. The method of preventing the formation of strias in articles made from clear quartz which has been fused in the presence of carbon which consists in removing from said quartz a surface layer of about five thousandths of an inch in thickness before said quartz is fashioned into the desired articles.

1,544,294. ELECTRIC LIQUID HEATER. JOSEPH DIERMANS, Brussels, Belgium, assignor to Société Anonyme Imexinol, Brussels, Belgium. Filed Jan. 16, 1924. Serial No. 686,549. 2 Claims. (Cl. 219—38.)



1. In an electric liquid heater, the combination of a cylindrical insulating body having a helical groove along its lateral surface, an insulating block on the top of said body, a pair of terminals on said block, a resistance in said groove extending along the whole length thereof, a threaded metal rod extending through said body and screwed into said block, one of said terminals being

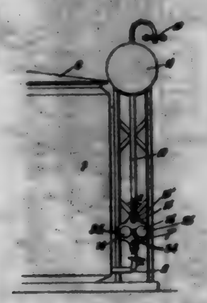
directly connected to the upper end of said resistance, the other terminal being connected to the lower end of said resistance through the intermediary of said rod, a sleeve closely surrounding the edges of said groove, an inner casing surrounding said sleeve, the lower end of said casing forming a cup-shaped receptacle connected to the lower end of said groove, a cap screwed on the free end of said rod for securing said casing in position, a threaded sleeve integral with said cap, an outer casing bearing on said block, said outer casing forming a heat-insulating air chamber around said inner casing, a discharge nozzle screwed on said sleeve and adapted to secure said outer casing in position, and a connection between said receptacle and nozzle through said cap and sleeve.

1,544,295. ATTACHMENT FOR CULTIVATORS. WALTER H. EDMONDSON, Anadarko, Okla. Filed Oct. 1, 1924. Serial No. 741,029. 1 Claim. (Cl. 97—5.)



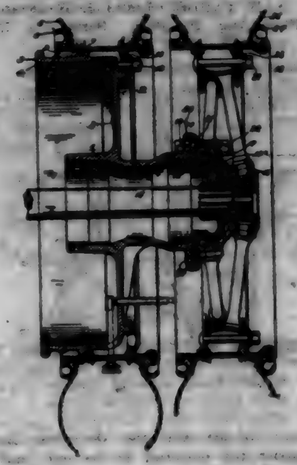
The combination of a harrow bar presenting rearwardly diverging side members and a curved bend connecting the front ends of said members, teeth carried by the side members of the harrow bar, a bracket having forwardly projecting lugs on its front side near its lower end to engage above and below the bend of the harrow bar and having its surface between said lugs conforming to the surface of the harrow bar at the bend, a washer fitted to the front side of the bend, a securing bolt inserted through the washer, the harrow bar and said bracket to clamp the parts together, and means engageable through the upper end of the bracket to secure the same to the cultivator stock.

1,544,296. CASING FOR ELECTRICAL APPARATUS. DONALD V. EDWARDS, Troy, N. Y., assignor to Pittsburgh Transformer Company, a Corporation of Pennsylvania. Filed Dec. 29, 1922. Serial No. 609,568. 19 Claims. (Cl. 220—65.)



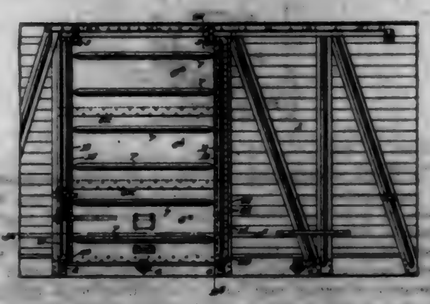
1. The combination with a main tank containing oil, of an expansion tank communicating therewith, and a plurality of separate filters interposed between the main tank and the expansion tank, and valve means directing the oil through either of said filters.

1,544,297. WHEEL STRUCTURE. HENRY E. HIPPELOW, Davenport, Iowa, assignor to G. Watson French, Joseph L. Hecht, and W. H. Stackhouse, all of Davenport, Iowa, composing the Firm of French & Hecht. Filed Oct. 25, 1923. Serial No. 670,681. 6 Claims. (Cl. 301—36.)



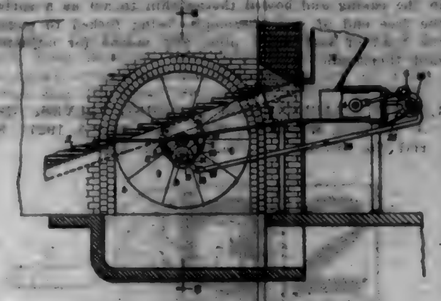
1. In a wheel structure, the combination with a hub member, of a drive plate having lateral engagement with the hub member, axially extending driving members engaging the hub member and drive plate, said drive plate being adapted to be engaged by a driving device, and a drive wheel mounted on the drive plate.

1,544,298. RAILWAY-CAR DOOR. PERCY M. ELLIOTT, Chicago, Ill.; Nellie S. Elliott, executrix of the Estate of said Percy M. Elliott, deceased, assignor to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed Jan. 6, 1923. Serial No. 610,962. 10 Claims. (Cl. 189—46.)



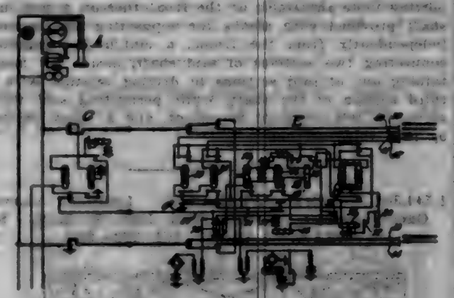
1. A sheet metal car door having a series of widely spaced sheet corrugations with intervening flat sheet areas, said corrugations terminating short of opposite edges of the door a distance sufficient to leave broad flat marginal areas, and corrugation bars secured to a face of the door over said marginal areas extending transversely past the ends of the sheet corrugations; a corrugation bar comprising a single longitudinal corrugation with attaching flanges on either side thereof, and an inner attaching flange lying close to the adjacent ends of the sheet corrugations.

1,544,299. FURNACE. JOHN J. ENGLISH, New York, N. Y. Filed May 18, 1922. Serial No. 560,980. 12 Claims. (Cl. 110—26.)



1. In a furnace, a grate, vertically disposed fixed walls, wall members having their fire faces substantially flush with said fixed walls, and means for actuating the wall members to bring different parts of the fire face of each successively into and out of operative relations with respect to the grate.

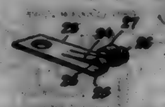
1,544,300. AUTOMATIC TELEPHONE SYSTEM. CHARLES J. ERICKSON, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 7, 1920. Serial No. 408,541. 2 Claims. (Cl. 179—18.)



1. In a telephone system, an automatic switch, trunk lines accessible thereto, a rotary magnet, a test relay for said switch, means for making certain trunk lines busy, means for operating said switch to test a pair of trunk lines simultaneously, a circuit for energizing said relay including grounded test contacts of busy trunk lines when said switch attempts to make connection therewith to operate said rotary magnet to cause said switch to test another pair of trunk lines simultaneously, means for releasing said switch, and means for opening said first mentioned circuit during restoration to normal to prevent any further operation of said rotary magnet in case any busy trunk line is encountered.

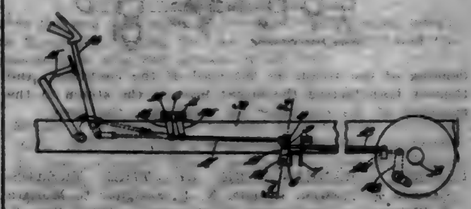
1,544,301. SPRING TERMINAL CLIP. ARCHIE P. FAHNESTOCK, Long Island City, N. Y., assignor to Fahnestock Electric Company, Long Island City, N. Y., a Corporation of West Virginia. Original application filed June 6, 1920, Serial No. 388,715. Divided and this application filed Mar. 27, 1922. Serial No. 548,496. 2 Claims. (Cl. 173—359.)

A fastening device for electrical conductors comprising a substantially flat and bifurcated member, and a resilient tongue, said bifurcated portion having a pair of hook elements, and the resilient tongue having a hook element located between and in off-set relation to said pair of hook elements, said resilient tongue adapted to be engaged



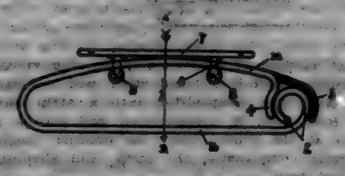
by the conductor for applying said conductor to the device, and said hooked elements constructed to secure the conductor.

1,544,302. BRAKE-OPERATING MEANS FOR AUTOMOBILES. STEPHEN J. FISHER and MILLARD H. TONCRAY, Detroit, Mich., assignors to Hudson Motor Car Company, Detroit, Mich., a Corporation of Michigan. Filed Aug. 2, 1923. Serial No. 655,268. 1 Claim. (Cl. 74—89.)



The brake operating means for motor vehicles comprising two pair of brake rods, the two rods of each pair being substantially in line with each other, and the two pairs being side by side, a pair of levers, lugs on a fixed part of the vehicles, a pivot pin passing through said lugs and said levers, and a spring holding the levers yieldingly against said lugs, the proximate ends of each pair of rods being connected to one of said levers.

1,544,303. LINGERIE CLASP. MARTHA DEE FELLOWS, South Pasadena, Calif. Filed Oct. 20, 1924. Serial No. 744,719. 4 Claims. (Cl. 24—73.)

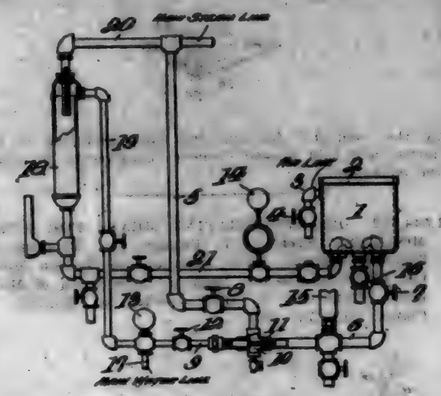


1. A clasp of the character disclosed struck from flat metal stock and formed U shaped to provide two approximately parallel arms, the lower of said arms terminating in an upwardly projecting loop, the upper arm being slit longitudinally to provide two lips at the distal end thereof; one of said lips being bent to engage the outer curvature of said loop, the other lip bent to engage the rearward or inner curvature of said loop, said lips being adapted to coact with said loop in clasping action.

1,544,304. PROCESS OF STERILIZING HERMETICALLY-SEALED PACKAGES. JAMES A. FREE, Chicago, Ill., assignor to Phoenix-Hermetic Company, Chicago, Ill., a Corporation of New York. Filed Sept. 27, 1923. Serial No. 665,105. 1 Claim. (Cl. 99—11.)

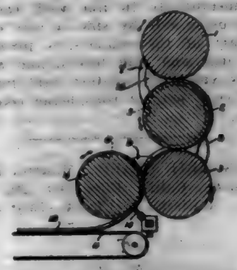
The process of sterilizing hermetically sealed packages comprising placing a sealed package in a closed retort, surrounding the sealed package in said retort with superheated steam, and intermixing water with the super-

heated steam as it enters the retort so that the container will be surrounded with super-heated steam thoroughly intermixed with water which will aid in the con-



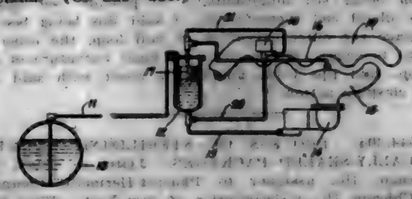
densing of the steam on the wall of the container, and thereby transferring the latent heat of the steam to the contents of the container for sterilizing the same.

1,544,305. MANUFACTURE OF TIRE TREADS. Gideon F. Fisher, Rocelle, N. J., assignor to Morgan & Wright, a Corporation of Michigan. Filed Feb. 3, 1922. Serial No. 533,764. 4 Claims. (Cl. 18—40.)



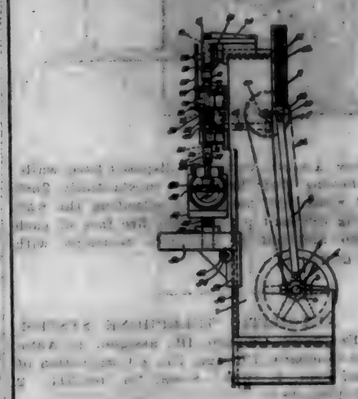
1. That method of continuously forming vulcanizable rubber composition into tread stock which consists in, first forming the composition into a strip having a greater total area in cross-section and also a greater thickness at the center than the product sought, and subsequently compressing the strip, and shaping it to the desired form.

1,544,306. PRIMER. Eric T. Franzen, Maplewood, N. J. Filed Mar. 5, 1923. Serial No. 622,767. 1 Claim. (Cl. 128—180.)



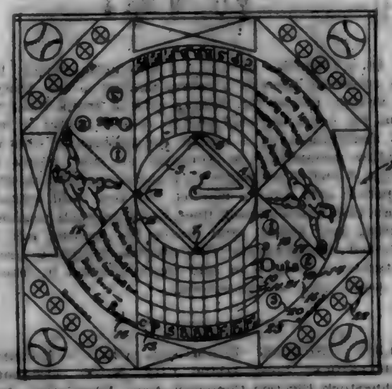
The combination with an internal combustion engine including an intake manifold, an exhaust manifold and a fuel supply tank, of a hollow casing juxtaposed on the wall of said exhaust manifold, said casing having extensions provided with passages, one of the passages communicating with said tank and the other passage with the intake manifold, a valve plug controlling the passages, said plug having a recessed head extending into said casing, a thermopile fixed at one end rigidly in the casing and bowed therewithin to act as a spring, the free end of said thermopile being forked to engage the head of said valve plug, and means for adjusting said thermopile.

1,544,307. MACHINE FOR GRINDING VALVES. Geo. A. Fullips, Milwaukee, Wis. Filed May 5, 1921. Serial No. 467,066. 3 Claims. (Cl. 51—29.)



1. The combination with a frame, of a work supporting table adjustable at the front thereof, a sectional shaft provided with means for supporting each section independently from the frame, a clutch disengageably connecting two sections of said shaft, means for maintaining one of said sections in driving relation with a third section of the shaft, while permitting said third section a relative axial movement, and a chuck carried by said third section.

1,544,308. GAME APPARATUS. Leopoldo Castro Gelpi, Vieques, P. R. Filed Nov. 9, 1922. Serial No. 599,890. 1 Claim. (Cl. 273—93.)



Game apparatus comprising a game board having a base ball diamond depicted thereon at its center, series of score-recording stations depicted at opposite sides of the diamond, stations representing "outs" at one side of each series of scoring stations, and "runners" stations located radially beyond the "outs" stations, game pieces to be initially placed adjacent the score-

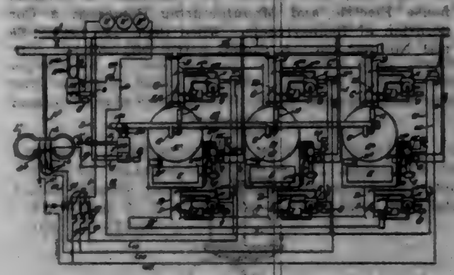
receiving spaces and subsequently moved about the diamond to "outs" or "runners" stations, a die for determining by chance the movements of the game pieces, and a second die for interpreting a certain indication of the first die.

1,544,309. DISPLAY DEVICE. Francis Winans Gibson, West Roxbury, Mass., assignor to H. D. Beach Company, Coshocton, Ohio, a Corporation of Ohio. Filed May 12, 1924. Serial No. 713,607. 2 Claims. (Cl. 40—140.)



1. A price sign comprising a bracket having a mounting clamp and having a longitudinally disposed slot beyond said clamp, and reversely disranged sets of juxtaposed legend bearing plates having each a suspension flange bent downwardly from its upper edge and inserted in said slots of the bracket and constituting both faces of the bracket included by said plates, the plates of one set being spaced apart from the plates of the other set by the thickness of the intervening walls of the slot and all plates in each set being disposed in longitudinal alignment with each other longitudinally of the bracket so as to present the effect of a continuous one-piece plate when viewed from either side of the bracket.

1,544,310. COMBUSTION REGULATION. George H. Gibson, Montclair, N. J. Filed Sept. 9, 1921. Serial No. 499,403. 15 Claims. (Cl. 236—14.)

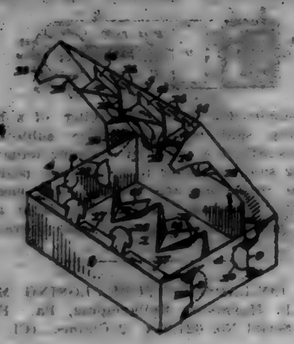


1. The method of operating a boiler furnace which consists in varying the rate of combustion therein in automatic response both to the rate at which feed water is supplied to the boiler and to the rate at which steam is withdrawn from the furnace.

1,544,311. COLLAPSIBLE BOX. Friedrich Graffenmann, Milwaukee, Wis. Filed June 15, 1923. Serial No. 645,554. 10 Claims. (Cl. 229—23.)

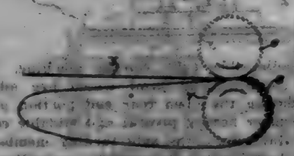
1. A collapsible box comprising integrally formed bottom, side, end and cover members, the end members each formed with two transverse slits, the side members

formed with hooked tabs adapted to fold over the end members and to interlock with the slits therein, and the cover member formed with end flaps adapted to fold



over the end members and provided with tongues adapted to pass in closing between the end members and the tabs and to stay the corners of the box.

1,544,312. ELASTIC BORDER BAND AND RUFFLE AND METHOD OF PRODUCING SAME. Matthew L. Gray, Canton, Mass., assignor to Plymouth Rubber Company, Inc., Canton, Mass., a Corporation of Massachusetts. Filed Feb. 21, 1923. Serial No. 620,494. 4 Claims. (Cl. 154—2.)



1. The method of forming a sheet rubber article with an elastic band consisting of applying a strip partially cured rubber under tension to the rubber body of the article while the said body is in an uncured state and not under tension, applying pressure to the uncured body of the article and the superimposed strip while the strip is under tension to cause the strip and body to adhere together, then relieving the pressure and tension then fully curing the combined body portion and strip.

1,544,313. TELEPHONE RECEIVER. Jackson B. Gunaan, Kansas City, Mo. Filed Sept. 18, 1922. Serial No. 588,944. 2 Claims. (Cl. 179—115.)



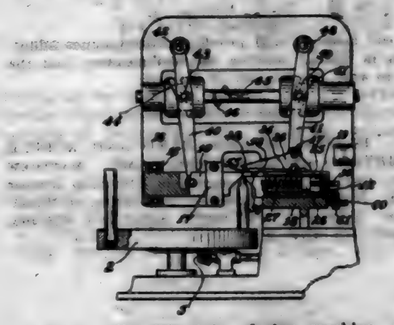
1. A telephone receiver comprising an electromagnet, a casing surrounding said magnet, said casing being formed of conducting material to form a path for the magnetic flux, a diaphragm arranged above said casing and spaced from the upper edge thereof, said diaphragm having a fixed center and movable edges and a cover arranged on said casing over said diaphragm.

1,544,314. CONTROLLER-ACTUATING DEVICE. MARSHALL W. HANKS, Madison, Wis. Filed Oct. 10, 1922. Serial No. 595,539. 6 Claims. (Cl. 200—140.)



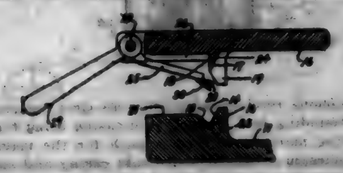
1. The combination with a controller, of a thermostat for actuating said controller when subjected to a critical temperature, a cam and a spring-actuated means for resetting said controller to its original position when normal heat conditions are restored, and means co-operating with said cam and spring-actuated means for ensuring a pre-selected number of said operations.

1,544,315. COLLAPSIBLE-TUBE-CLOSING MACHINE. THOMAS L. HARRISON, Philadelphia, Pa. Filed Mar. 1, 1923. Serial No. 621,984. 2 Claims. (Cl. 113—54.)



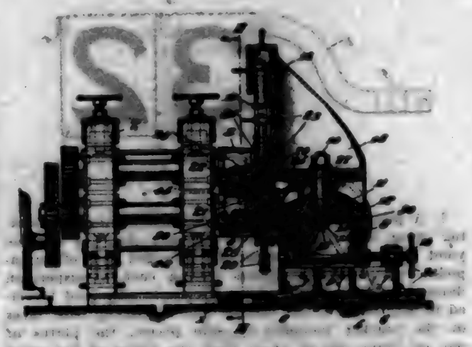
1. In a collapsible tube closing machine, the combination of reciprocating jaws which are adapted to clamp and flatten the open rear end portion of a tube, a turning member having pivotal and slidable connection with one of said jaws, the said turning member having adjacent its inner end a downwardly extending angular projection which is adapted, when said member is moved inwardly relatively to the jaw to which it is connected, to contact with the flattened portion of a tube to bend the same laterally and downwardly, the outer end of the said turning member being inclined in a direction away from the clamping face of the jaw opposed to that to which the said turning member is connected and the said turning member having a projection extending downwardly from its underneath side, the outer edge of which is inclined downwardly and inwardly, and the said clamping member to which the said turning member is connected having a correspondingly-shaped recess into which the said projection seats upon inward movement of the said turning member.

1,544,316. APPARATUS FOR FORMING TIRE BEADS. REGINALD HARRETINE, Chicopee Falls, Mass., assignor to The Fisk Rubber Company, Chicopee Falls, Mass., a Corporation of Massachusetts. Filed May 9, 1924. Serial No. 712,080. 4 Claims. (Cl. 18—42.)



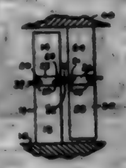
1. In an apparatus of the character described a pair of mold members shaped so as to provide a molding cavity when closed together, the two mold members having interfitting portions formed on the surfaces of cones intersecting on a circumference progressively increasing as the mold sections are brought together until, when the mold sections are closed, said circumference merging with the molding cavity.

1,544,317. APPARATUS FOR AND METHOD OF DISK ROLLING. HENRY Y. HILLEBRAND, Johnstown, Pa., assignor, by mesne assignments, to Bethlehem Steel Products Company, a Corporation of Pennsylvania. Filed Sept. 30, 1919. Serial No. 327,509. 6 Claims. (Cl. 80—16.)



6. In a disk rolling apparatus, the combination of a pair of rolls, a movable frame, means for adjusting the same transversely of the roll axes, a pair of hollow fluid cooled, rotatable clamping members mounted on said frame and adapted to grip the central portion of a blank and means for advancing and retracting the frame whereby the blank is presented to the bite of the rolls in a predetermined location and direction.

1,544,318. TURBINE-BLADE LASHING. FRANCIS HODGKINSON, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company, a Corporation of Pennsylvania. Filed Sept. 12, 1923. Serial No. 662,828. 5 Claims. (Cl. 253—77.)



1. In a turbine, the combination of a row of stationary blades, a row of moving blades, wall-forming flange elements carried by each row of blades dividing it into inner and outer tiers, grooves in the lateral faces of the wall-forming flange elements and lashing stripe fitting into the grooves, said lashing stripe having overlapping flange portions forming packing means between the tiers.

1,544,319. DOOR LOCK. CARL HOFFMAN, Allentown, Pa. Filed Oct. 9, 1922. Serial No. 593,283. 14 Claims. (Cl. 70—39.)

1. A latch and lock mechanism for doors including a case, a movable latch, actuating means for said latch, a single movable key actuated member for locking said latch against retraction, being directly engageable with



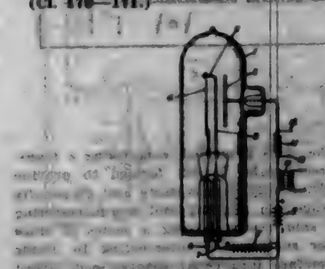
said latch, and said key actuated member being co-operable with said latch for actuating the same.

1,544,320. TENSION DEVICE. ABEL C. HOUGH, Janesville, Wis., assignor to Hough Shade Corporation, Janesville, Wis., a Corporation of Connecticut. Filed Nov. 28, 1924. Serial No. 752,564. 20 Claims. (Cl. 139—100.)



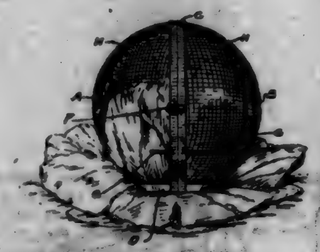
1. The combination, with a fixed support of a loom, said support being undercut and provided with a bar, and tightening means for said bar, of a tension device consisting in part of a base which is mounted on said support and adapted to be held stationary thereon by said bar and tightening means, and to be released for adjustment on said support, said device being provided with retarding means for warp, and with friction tension means for said warp after it leaves said retarding means.

1,544,321. NEGATIVE-RESISTANCE DEVICE. ALBERT W. HULL, Schenectady, N. Y., assignor to General Electric Company, a Corporation of New York. Filed July 8, 1919. Serial No. 306,852. 20 Claims. (Cl. 179—171.)



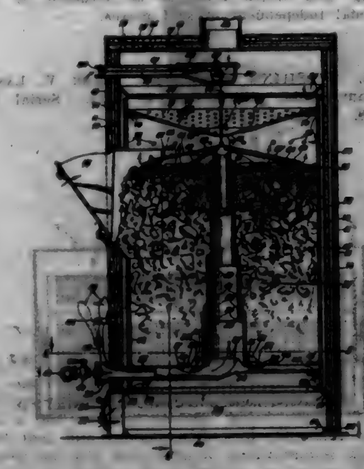
1. An electron discharge device comprising an evacuated receptacle containing an electron emitting electrode and two cooperating electrodes to one of which one end of the electron emitting electrode is directly connected electrically within the receptacle.

1,544,322. METHOD OF HEADING LETTUCE. BENNIE KELLERMANN, Denver, Colo. Filed Sept. 29, 1924. Serial No. 740,606. 2 Claims. (Cl. 47—31.)



1. The method of treating growing head lettuce which consists in enclosing the same by reticulated material before the head is fully grown and retaining it enclosed until the lettuce is harvested whereby the head is caused to become firm and bleached.

1,544,323. INCINERATOR. EDWARD KENNE, Jr., Buffalo, N. Y. Filed Aug. 27, 1921. Serial No. 496,043. 31 Claims. (Cl. 110—18.)

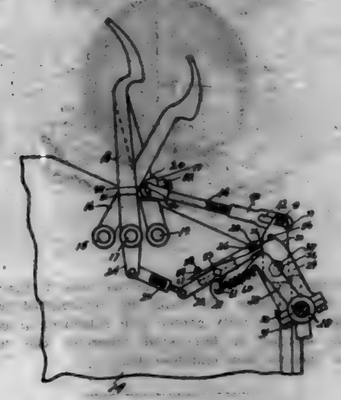


1. An incinerator comprising an incinerating chamber adapted to receive refuse, a vertically movable burner plate arranged in said chamber and adapted to rest upon the upper surface of said refuse, and means for providing a flow of gas to the underside of said burner plate.

1,544,324. SAFETY CLUTCH CONTROLLER FOR AUTOMOBILES. OTTO KUGLER, Sr., Philadelphia, Pa. Filed July 7, 1922. Serial No. 573,007. 4 Claims. (Cl. 74—38.)

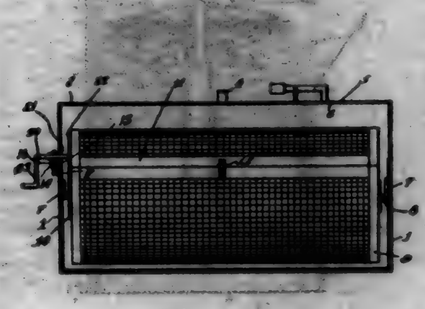
1. In a device of the character stated, the combination with a brake pedal and a transmission including a clutch lever fixed thereon, a clutch pedal, means for connecting said clutch pedal with the clutch lever, a

controller shaft and its speed lever, of means mounted upon the controller shaft and connected with the brake pedal and coacting with the clutch lever to actuate



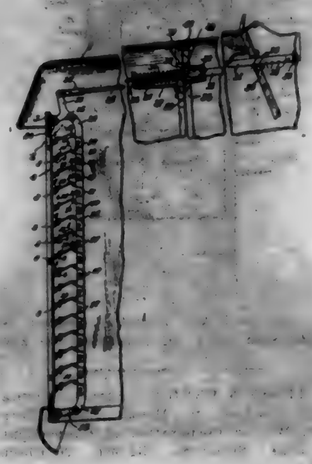
said clutch lever upon operation of the brake pedal while permitting said clutch lever to be actuated by the clutch pedal independent of said means.

1,544,325. WASHING MACHINE. FRANK V. LANTZ, McArthur, Ohio. Filed Dec. 1, 1921. Serial No. 519,208. 1 Claim. (Cl. 68—18.)



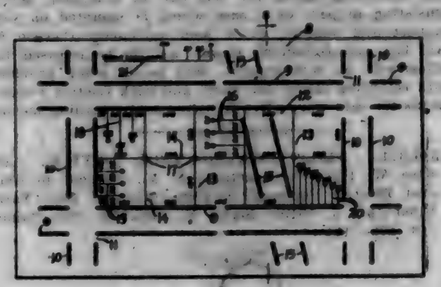
In a washing machine, the combination with a container for holding a cleansing fluid and a cover movably mounted on the container, of a foraminous cylinder mounted for rotation within the container, a stationary strip fixedly connected to one end of the container, a stop extending upwardly from the bottom thereof, a movable strip pivotally connected to the stationary strip and normally lapped by and bearing against the stop, a shaft journaled in the movable strip, an angular extension depending from one end of said movable strip, a dog pivotally mounted on the container and adapted to gravitate to position over the extension to hold the movable strip in position upon the stop, a gear on the cylinder, and a gear on the shaft normally meshing with the cylinder gear and adapted to be held in mesh by the dog when in engagement with the extension.

1,544,326. ENGINE-HOOD SHUTTER. GEORGE F. LALANSKY, Canton, Ohio, by operation of law to E. A. McCuskey, trustee in bankruptcy, of The Holmes Automobile Company, Canton, Ohio, a Corporation of Ohio. Filed Feb. 24, 1920. Serial No. 360,610. 5 Claims. (Cl. 189—62.)



1. A shutter including a support, vanes having V-shaped pivotal bearings in the support, and a separate spring associated with each vane acting to hold it in its pivotal bearing.

1,544,327. DIAGRAM CHART. MARC LOEWENTHAL, New York, N. Y. Filed Mar. 24, 1922. Serial No. 548,270. 2 Claims. (Cl. 33—1.)

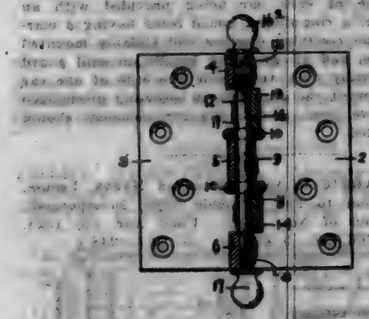


1. A device of the class described, comprising a transparent elongated rectangular layout formed to provide a plurality of longitudinally, transversely and diagonally disposed slots arranged in aligning and non-intersecting pairs respectively, said layout having a series of lines etched on its upper surface and intersecting to divide a portion of the surface into equal spaces, said layout being also formed to provide a series of circular openings associated with said slots and lines, whereby a diagram may be plotted on a sheet of paper positioned beneath the layout by the insertion of a marking implement through said slots and openings.

1,544,328. PROCESS OF MAKING ALUMINUM CHLORIDE. ALMER McDUFFIE MCADAMS, Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa., a Corporation of Texas. Filed Jan. 25, 1922. Serial No. 531,012. 7 Claims. (Cl. 23—95.)

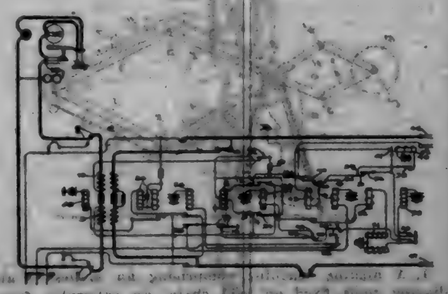
5. The herein described process of making aluminum chloride which comprises treating aluminum containing materials with chlorin in the presence of an activated carbon.

1,544,329. METHOD OF MAKING HINGES. JAMES P. MCKINNEY, Jr., Pittsburgh, Pa. Filed Nov. 1, 1922. Serial No. 596,361. 1 Claim. (Cl. 29—11.)



The method of forming butt-hinges, which consists in providing a leaf member having three vertically spaced knuckles, drilling bores in the upper knuckle and middle knuckle of said leaf at one drilling operation, making the opening in said middle knuckle sufficiently large to receive a bushing having a bore corresponding to the bore subsequently drilled in the lower knuckle, drilling said bore in said lower knuckle, inserting the bushing in said middle knuckle, providing a second leaf having two knuckles with bores, and connecting the knuckles of the hinge by a pintle having an enlarged upper portion, and a reduced shank, by fitting the enlarged upper portion in the bore of the upper knuckle and the reduced shank portion in said bushing and the bores of the remaining knuckles of the hinge.

1,544,330. AUTOMATIC TELEPHONE SYSTEM. FRED T. MADSEN, Chicago, Ill., assignor to Automatic Electric Company, Chicago, Ill., a Corporation of Illinois. Filed June 30, 1919. Serial No. 307,560. 29 Claims. (Cl. 179—18.)



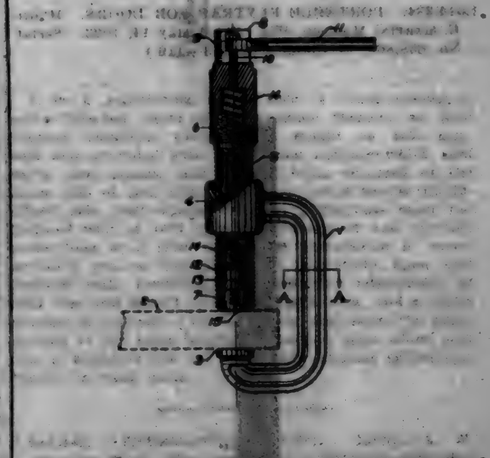
23. In a telephone system, a line, an automatic switch, a double wound line relay in said switch, a battery, a bridge across the line including both windings of said relay and the said battery, and a relay for altering the bridge circuit so as to change the location of said battery with respect to the relay windings.

1,544,331. WEDGE. NILS L. MELANDER, Chicago, Ill. Filed May 2, 1924. Serial No. 710,694. 4 Claims. (Cl. 254—104.)



1. Wedges, each comprising a plane wedging surface which is inclined both lengthwise and transversely relative to the plane of the back of the wedge, designed to be used in pair disposed at an angle to each other with their wedging surfaces in contact.

1,544,332. MEANS FOR DETERMINING THE RELATIVE HARDNESS OF ABRASIVE OR SIMILAR SUBSTANCES. FRANK A. MANCE, Detroit, Mich., assignor to Studebaker Corporation, a Corporation of New Jersey. Filed Jan. 18, 1922. Serial No. 530,110. 13 Claims. (Cl. 265—12.)



1. A device for testing the degree of resistance offered by a substance to the operation of a cutting tool, which consists in the combination of a seat for the substance and a tool having a cutting surface; means for driving said tool into contact with said substance when supported on said seat with a predetermined degree and quality of driving force; means for gaging the extent of the penetration of the tool into the substance; means to maintain on said tool, after said initial operation, a constant and uniform pressure; means to cause said tool under such pressure to operate on said substance with a cutting action; and means for gaging the extent of the penetration of the tool under predetermined conditions and time of operation.

1,544,333. ELECTRIC TIME SWITCH. WILLIAM B. MARKS, Waterbury, Conn. Filed Mar. 1, 1924. Serial No. 696,136. 10 Claims. (Cl. 200—38.)

1. In an electric time-switch, a clockwork mechanism, a stationary contact disc forming one terminal of said switch, a coiled strip of metal having overlapping layers, said strip being insulated from said stationary contact disc and forming the other terminal of said switch,

a rotary metallic member connecting said disc and said strip and capable of rotating in contact with said strip for more than 360 degrees, said connecting member being



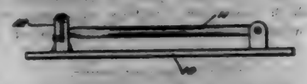
driven by said clockwork, and the circuit being broken when said connecting member passes beyond the end of said strip.

1,544,334. PORTABLE FLYTRAP FOR DOORS. HUGH E. MARTIN, Madison, Wis. Filed May 14, 1923. Serial No. 638,864. 1 Claim. (Cl. 43—119.)



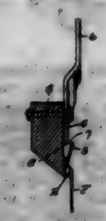
In a fly trap, a base plate slightly raised through its longitudinal center with a plurality of upwardly extending tapered ears along the edges thereof, arched apertures through the ears extending a distance into the base plate, wire entrance galleries secured over said apertures and extending inward and upward, perforated metal partition walls extending across the base plate a distance from both ends, a wire screen roof connecting the two partitions, tapering wire entrance galleries secured to and leading outward from the partitions, screen wire entrance domes covering holes in the back of the base plate, a perforated metal top end wall across the base adjacent the upper end, a top band secured to the base adjacent the lower end, a screen wire casing metal bound on the edges extending from the top end wall to the band, over the top, down the sides, and under the bottom of the base or frame and soldered thereto, a closure plate secured to the bottom of the band by a latch, and means at both ends of the device for securing it to a door.

1,544,335. SAFETY CATCH. EUGENE MORNHOUSE, Providence, R. I., assignor to B. A. Ballou & Co., Inc., Providence, R. I., a Corporation of Rhode Island. Filed Mar. 27, 1925. Serial No. 18,364. 3 Claims. (Cl. 24—157.)



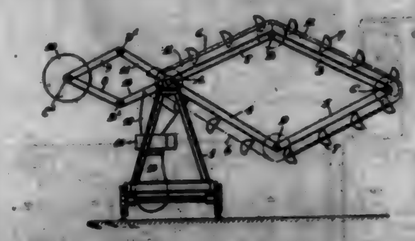
1. A safety catch having a body portion formed of a pair of ears folded up from a common base and having a radially-disposed peripheral pin-tongue receiving slot, the inner face of each ear being provided with an annular groove, a ring-shaped guard rotor having a marginal pin-tongue receiving opening and slidably mounted on said groove, and an operating handle on said guard extending laterally over and about one side of one ear member to prevent the guard from becoming disengaged from its groove even though the ear members should become separated.

1,544,336. FABRIC CLAMP. ELMARAN MYERS, Leonia, N. J., assignor to The Columbia Mills, Incorporated, a Corporation of New York. Filed Apr. 15, 1924. Serial No. 706,659. 9 Claims. (Cl. 24—248.)
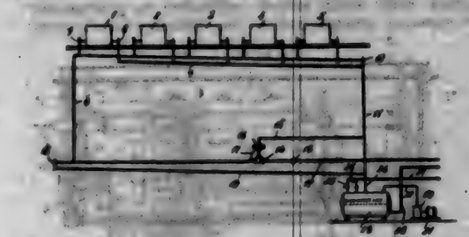


6. In a device of the character described, the combination of a base, a channeled member mounted thereon, an elongated and reversible clamping strip for clamping fabric in the channeled member, and a grooved concentric for straddling an edge of the clamping strip and forcing it to clamping position.

1,544,337. DIGGING MACHINE. SVEN GUNNAR NORDENGREN, Landskrona, Sweden. Filed Jan. 19, 1924. Serial No. 687,393. 5 Claims. (Cl. 37—191.)



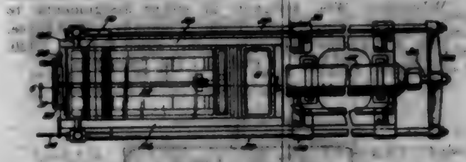
1. A digging machine comprising an endless chain, digging tools fixed on said chain, an extensible frame supporting said chain, said frame being of polygonal form and comprising rigid frame members pivotally connected with each other, a stand pivotally supporting the frame, and means carried by the frame for automatically maintaining it in stable equilibrium on the stand in all positions of adjustment.

1,544,338. HIGH-PRESSURE-STEAM SYSTEM. ALFRED M. NYGREN, Freeport, N. Y. Filed Mar. 17, 1925. Serial No. 16,211. 11 Claims. (Cl. 126—38.)



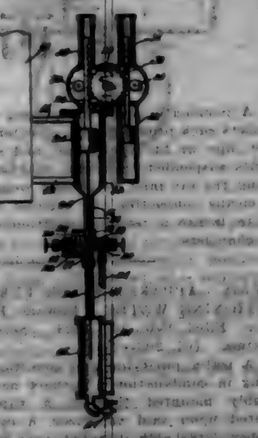
1. The combination of a heating fixture having a trap with a relatively large orifice, means for supplying high pressure steam to said fixture, and means for counterbalancing said steam at said trap with air at a slightly lower pressure, substantially as described.

1,544,339. BACON SKINNER. THEODORE E. ODERMAN, Oklahoma City, Okla. Filed Nov. 12, 1923. Serial No. 674,209. 20 Claims. (Cl. 146—100.)



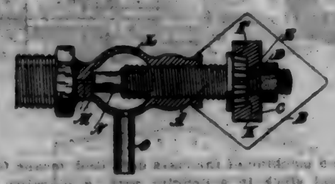
5. In a bacon skinning machine, a support, means for gripping one end of the skin of a slab of bacon bearing against the support, a cutter movable parallel to the bacon-supporting surface of the support, means movable conjointly with the cutter for compressing the slab of bacon in advance of the cutter, and means for adjusting the distance from the slab-supporting surface to the cutter and therewith the compressing means.

1,544,340. COMBINED WATER COLUMN AND LIQUID-LEVEL GAUGE. OLAF E. OLSSON, Chicago, Ill. Filed Aug. 16, 1920. Serial No. 403,775. 2 Claims. (Cl. 73—82.)



1. In a device of the class described, the combination of a float chamber for connection with a boiler, a float in said chamber to respond to water level therein corresponding with the water level of the boiler, said chamber having a lateral compartment extending therefrom in open communication with said chamber and extending vertically above and below said float in parallel relation with said float chamber, said chamber and compartment comprising a single receptacle having continuous and imperforate walls completely enclosing the same and having exterior communication only through said boiler connections, a counterweight in said vertical extension, toothed rods or racks projecting upwardly from said float and counterweight, a gear contained in said compartment engaging said toothed rods or racks, a tube extending downwardly from said chamber and having a transparent wall at its lower portion, and an indicating rod extending downwardly from said float through said tube to indicate the level of said float through said transparent wall.

1,544,341. GAUGE-COCK WEIGHT. GEORGE W. OSBORNE, Cleveland Heights, Ohio. Filed July 29, 1922. Serial No. 578,508. 3 Claims. (Cl. 251—146.)



1. In a self-closing gauge cock, a valve casing, a screw-threaded valve stem rotatable therein, an arm thereon, rotatable therewith, a weight on said arm, said arm provided with an opening through which said valve stem passes, said opening being enlarged at the inner side of said arm to form a recess having an inclined side wall, spaced bevelled projections upon the inclined wall of said opening, and spaced and bevelled projections upon said valve stem, engageable in corresponding grooves formed by the projections upon said inclined wall, permitting quick angular adjustment of said arm and weight upon said valve stem, and a slight amount of movement thereof along said stem, the outer portion of the stem forming a bearing upon which said arm is withdrawable and rests while angular adjustment thereof is being made.

1,544,342. THERMOSTATIC COIL. LOUIS A. M. PERLAN, Beloit, Wis., assignor to Absolute Con-Tac-Tor Corporation, Beloit, Wis., a Corporation of Illinois. Filed Sept. 22, 1924. Serial No. 739,005. 6 Claims. (Cl. 297—12.)

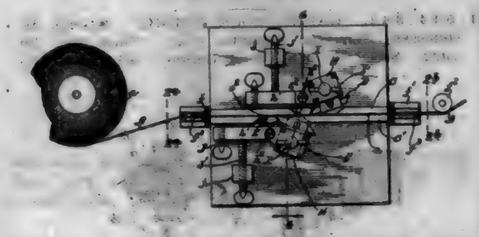


1. A bi-metallic element having at least one of its metals divided into a plurality of strips

1,544,343. ABRASIVE COMPOSITION. HENRY R. POWER, Niagara Falls, N. Y., assignor to The Carborundum Company, Niagara Falls, N. Y., a Corporation of Pennsylvania. Filed Apr. 5, 1921. Serial No. 458,204. 5 Claims. (Cl. 51—280.)

1. An abrasive composition comprising abrasive particles and an algæ jelly-product, said composition being substantially free from either alum or oil substantially as described.

1,544,344. ART OF MAKING CORRUGATED FASTENERS. VINCENT RAGONA, New York, N. Y., assignor to Cary Manufacturing Co., Brooklyn, N. Y., a Corporation of New York. Filed Sept. 29, 1921. Serial No. 504,049. 7 Claims. (Cl. 10—31.)



2. In a machine of the class described, means for directing metal stock in a definite path, a plurality of knife carriers positioned at the respective sides of the path of stock feed, a plurality of knife-blocks mounted in said knife carriers for slidable movement with respect thereto, one knife block to each knife carrier, a plurality of stationary knives, one for each knife block, said stationary knives being positioned at the respective sides of the path of stock feed and inclined thereto, and means for raising and lowering the knife blocks and the stationary knives in paths parallel to the plane of the stock guide.

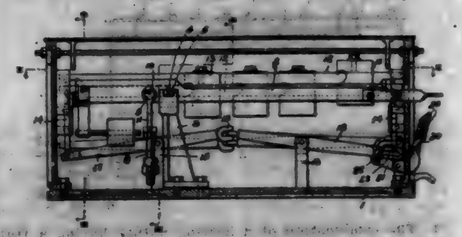
1,544,345. BIB MOUNTING. HENRY D. RAHLING, Buffalo, N. Y. Filed Nov. 22, 1924. Serial No. 751,489. 5 Claims. (Cl. 221—24.)



5. The combination with a cap for the filling opening of a drum from which a liquid may be dispensed, said cap having a countersunk recess provided in its annular wall with a circumferential groove, of a split annular resilient key of frusto-conical form having its outer circumferential edge engaged in said groove and its inner circumferential edge conformably and resiliently engageable with the threads on the attachment shank of the bib.

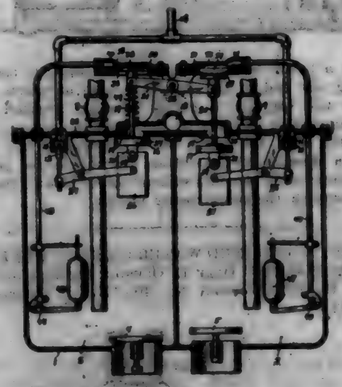
1,544,346. BEAM BOX FOR SCALES. MELVIN S. REYNOLDS, Woodlawn, Pa., Filed Mar. 20, 1924. Serial No. 700,544. 3 Claims. (Cl. 265—49.)

1. In a scale box a pivoted frame adapted to receive an auxiliary scale beam applied to it, a movable scale-beam support adapted in one position to support a scale beam and in moving to alternate position to deposit upon said frame a previously supported scale beam, a scale beam adapted to be borne alternately by said frame and by said scale-beam support, a manually-controlled pivoted lever, and a communication lever interposed between said beam support and said manually-controlled lever, said transmission lever and said manually-controlled lever being mounted to swing in a common medial plane



and being connected one to the other by slot-and-pin connection, the bearing surfaces of said slot-and-pin connection extending transversely across and being centered in such common medial plane.

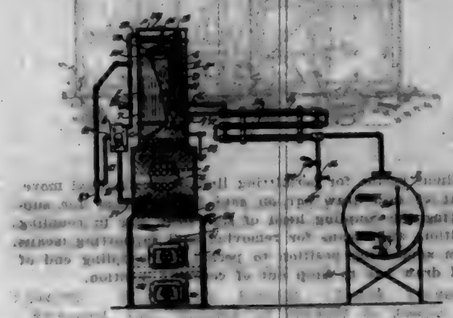
1,544,347. PNEUMATIC PUMP. HOMER S. ROGERS, Milwaukee, Wis., assignor, by mesne assignments, to Milwaukee Air Power Pump Company, Milwaukee, Wis., a Corporation of Wisconsin. Filed Feb. 11, 1920. Serial No. 357,769. 2 Claims. (Cl. 103—246.)



1. A pneumatic pump comprising a plurality of pump chambers each provided with a water inlet valve, a water outlet pipe, an air inlet valve, and an air exhaust valve, weights suspended from said exhaust valves, a link connecting the air inlet valve and weight of each chamber, and means connecting the exhaust valves of said chambers to insure a reverse condition of the air valves in said chambers.

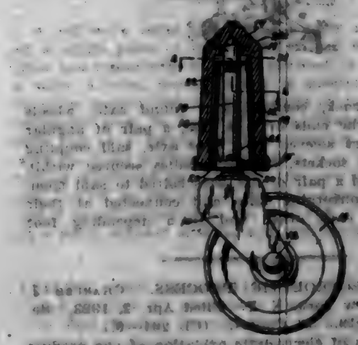
1,544,348. APPARATUS FOR PURIFYING AND CONDITIONING WATER. EDWARD P. ROHRS, St. Louis, Mo. Filed Feb. 14, 1924. Serial No. 692,780. 4 Claims. (Cl. 203—8.)

1. A water purifying and conditioning apparatus comprising in combination a furnace having a vaporizer detachably mounted thereon, a vapor ring detachably mounted upon said vaporizer, a cylindrical condensing chamber detachably mounted upon said vapor ring, said condensing chamber having its lower end partially closed by double walls, spaced apart, and turned upwardly so as to form a hollow vapor flue extending upwardly through the longitudinal center of the said condensing chamber so that the double walls of the said vapor flue are positioned concentrically with the enclosing walls of the said condensing chamber, a conduit connecting the space enclosed between said double walls with the external atmosphere, an outwardly opening check valve normally closing said conduit and at atmospheric pressure and



adapted to automatically open when the pressure within the space between the said double walls becomes greater than atmospheric pressure by reason of the increased temperature of the air in said space, thereby causing the air in said space to be automatically exhausted.

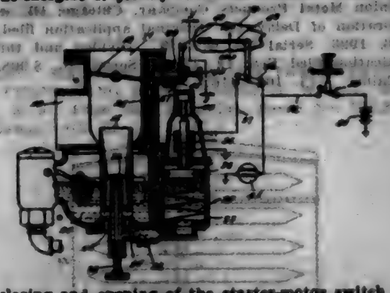
1,544,349. SWIVEL CASTER AND BRACKET. EDWARD SCHULTS, Chicago, Ill., assignor to James B. Ladd, Des Moines, Iowa. Filed Oct. 15, 1923. Serial No. 668,610. 3 Claims. (Cl. 16—39.)



1. The combination with a caster having a stem and a resilient retaining device pivotally mounted on said stem and having a substantially horizontal portion lying wholly below the upper end thereof, of a bracket including a substantially cylindrical socket, said socket opening downwardly to receive said stem and centering device, said bracket being formed with a bore of smaller diameter communicating with the upper end of said socket, fitted to and having a bearing on the upper end of said stem.

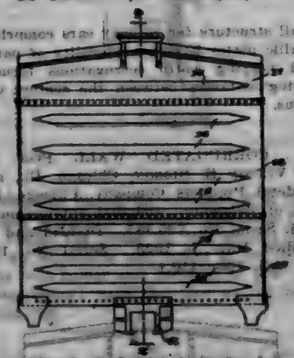
1,544,350. MIXTURE CONTROL FOR INTERNAL-COMBUSTION ENGINES. GLEN R. SIMON, Pendleton, Ind. Filed Oct. 29, 1923. Serial No. 671,512. 16 Claims. (Cl. 290—38.)

1. A mixture-enriching device for carburetors, comprising electro-magnetic means for varying the fuel-discharge in the carburetor, a starter motor and its control switch, connections to said electro-magnetic means to energize and de-energize it jointly with said starter motor upon



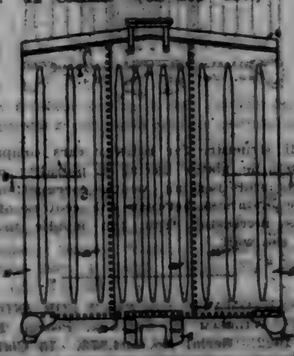
the closing and opening of the starter-motor switch, and a thermostat also controlling said rate of fuel-discharge in the carburetor.

1,544,351. CORRUGATED WALL FOR RAILWAY CARS. VINTON E. SIMSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed Nov. 26, 1923. Serial No. 677,019. 16 Claims. (Cl. 105—410.)



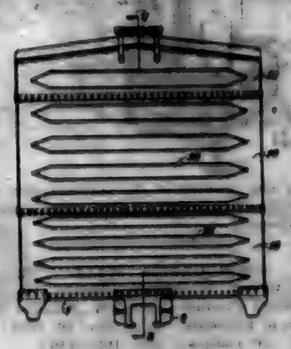
1. A wall structure for railway cars comprising one or more metallic plates having a plurality of equal depth parallel corrugations formed therein with varying distances between the centers of adjacent corrugations.

1,544,352. CORRUGATED WALL FOR RAILWAY CARS. VINTON E. SIMSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Filed July 14, 1924. Serial No. 725,887. 12 Claims. (Cl. 105—410.)



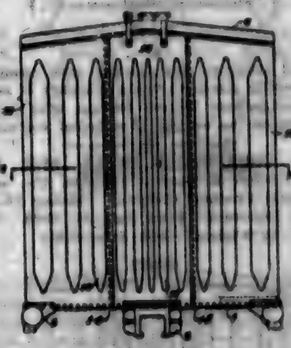
1. A wall structure for railway cars comprising one or more metallic plates having a plurality of equal depth parallel corrugations formed therein the distances between the centers of adjacent corrugations increasing from the middle to the side portions of the wall.

1,544,353. CORRUGATED WALL FOR RAILWAY CARS. VINTON E. SIMSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed Nov. 26, 1923, Serial No. 677,018. Divided and this application filed Feb. 13, 1925. Serial No. 8,908. 17 Claims. (Cl. 105—410.)



1. A wall structure for railway cars comprising one or more metallic plates having a plurality of parallel equal depth and varying width corrugations formed therein with varying distances between the centers of adjacent corrugations.

1,544,354. CORRUGATED WALL FOR RAILWAY CARS. VINTON E. SIMSON, Chicago, Ill., assignor to Union Metal Products Company, Chicago, Ill., a Corporation of Delaware. Original application filed July 14, 1924, Serial No. 725,827. Divided and this application filed Mar. 7, 1925. Serial No. 13,782. 15 Claims. (Cl. 105—410.)



1. A wall structure for railway cars comprising one or more metallic plates having a plurality of parallel equal depth and varying width corrugations formed therein, the distances between the centers of adjacent corrugations increasing from the middle to the side portions of the wall.

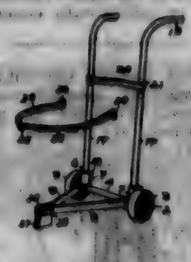
1,544,355. AUTOMATIC COUPLER FOR INDUSTRIAL TRUCKS. WILLIAM H. SOMMER, Peoria, Ill. Filed Oct. 16, 1922. Serial No. 594,573. 15 Claims. (Cl. 280—33.15.)

1. An automatic coupler, including coacting coupling mechanisms, one of which includes a frame, a draw bar slidably connected with said frame and provided with a coupling head, resilient means for permitting limited longitudinal movement of said draw bar; the other of such mechanisms comprising a frame, a draw bar slidable on said frame and having a coupling head arranged for coupling engagement with said first mentioned head,



resilient means for permitting limited longitudinal movement of said draw bar on said frame, means for supporting the coupling head of said draw bar in coupling position, and means for removing said supporting means from supporting position to permit the coupling end of said draw bar to drop out of coupling position.

1,544,356. HAND TRUCK. CHARLES SPANTH, Cleveland, Ohio, assignor to The Marvel Equipment Company, Cleveland, Ohio, a Corporation of Ohio. Filed May 12, 1924. Serial No. 712,690. 9 Claims. (Cl. 280—33.)



1. A hand truck, comprising a round axle, wheels mounted upon the ends of said axle, a pair of angular coupling members sleeved upon said axle, said coupling members having sockets, tubular handles secured within said sockets, and a pair of flat bars bolted to said members bent on converging lines and connected at their outer ends to each other and to a depending foot member.

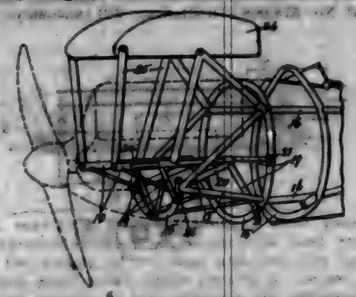
1,544,357. ELECTROLYTIC PROCESS. CHARLES J. THATCHER, New York, N. Y. Filed Apr. 3, 1922. Serial No. 549,419. 17 Claims. (Cl. 204—9.)

1. The process of electrolytic oxidation of one product and electrolytic reduction of another product, which consists in electrolyzing an electrolyte separated into an anolyte and catholyte and containing ions capable of acting as anodic and cathodic catalyzers, introducing into the anolyte and catholyte liquors acceptors capable of being respectively oxidized and reduced thereby and of forming products separable therefrom, and separating the resulting products.

1,544,358. ENGINE MOUNTING FOR AIRPLANES. BENJAMIN DOUGLAS THOMAS, Ithaca, N. Y., assignor of one-half to Thomas-Morse Aircraft Corporation, Ithaca, N. Y., a Corporation of New York. Original application filed Mar. 8, 1923, Serial No. 623,613. Divided and this application filed Sept. 10, 1924. Serial No. 737,610. 4 Claims. (Cl. 244—61.)

8. In airplane construction, the combination with the tubular rim of the fuselage, of a demountable engine

mounting, comprising two parallel horizontal tubular members, diagonal braces extending therefrom, split



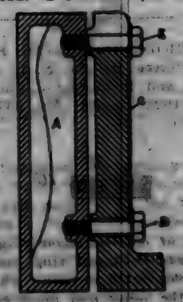
clamps on the ends of said braces adapted to detachably engage said ribs, and struts connecting said members with the wing structure.

1,544,359. SIDEWALK EDGER. JAMES TOLBERT, Richmond, Ind., assignor of one-half to Joseph E. Daugherty, Richmond, Ind. Filed Feb. 18, 1922. Serial No. 537,426. 1 Claim. (Cl. 97—227.)



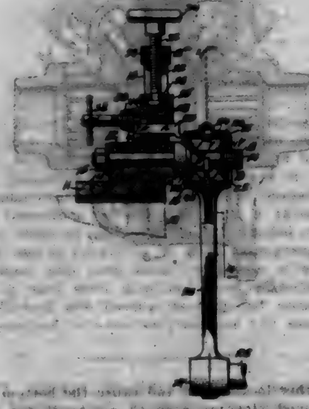
A side-walk edger comprising a body member formed of a single piece of sheet metal which is trapezium in plan and comprising a flat fin adapted to slide flat upon a walk, a scoop portion which is substantially U-shape in cross section and which expands or increases in size uniformly from its rear end to its froward end with its rear end at a higher elevation than its front end and with its front portion terminating in a cutting edge, a curved moldboard forming the outer portion of said body and located on the side of the body opposite to said fin, and a handle attached to the rear end of said body and at a point between said fin and said moldboard.

1,544,360. DIE STRAIGHTENER. STANLEY M. UDALE and WALTER S. ANDERSON, Detroit, Mich., assignors to Earl Holley, Detroit, Mich. Filed Jan. 19, 1923. Serial No. 613,682. 2 Claims. (Cl. 22—153.)



1. A hollow mold adapted to receive molten metal, having a molding surface, a rear wall and four side walls, a slot extending through the rear wall and two side walls, a mold support, bolts clamping the mold to said support, set screws for counteracting the distortion of the molding surface.

1,544,361. MACHINE FOR FACING THE BEARINGS OF CONNECTING RODS. ALBERT H. WADELL, Newark, N. J. Filed May 28, 1924. Serial No. 716,890. 4 Claims. (Cl. 82—4.)



1. A machine for facing the bearings of a connecting rod comprising a fixture, a freely rotatable expansible mandrel to clamp the inside of the bearing of a connecting rod, an adjustable tool holder in the fixture, and a tool in the tool holder and disposed so that it can be placed in engagement with the face of the bearing of the connecting rod.

1,544,362. ROTARY TAPPET. MERRILL M. WILCOX, Saginaw, Mich.; A. Elwood Snow administrator of said Merrill M. Wilcox, deceased. Filed Mar. 5, 1923. Serial No. 622,987. 3 Claims. (Cl. 74—1.)

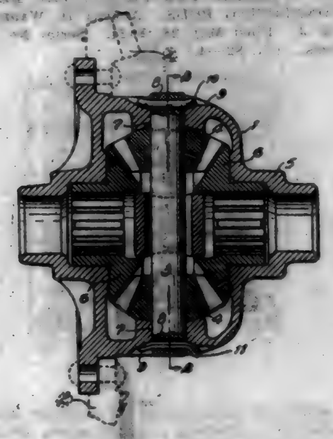


2. A cam follower having a flat surface for engaging with a cooperating cam, said surface containing a spiral groove.

1,544,363. DIFFERENTIAL MECHANISM AND METHOD OF ASSEMBLING SAME. HERBERT W. ALDEN, Detroit, Mich., assignor to The Timken-Detroit Axle Company, Detroit, Mich., a Corporation of Michigan. Filed Dec. 4, 1922. Serial No. 604,695. 2 Claims. (Cl. 74—99.)

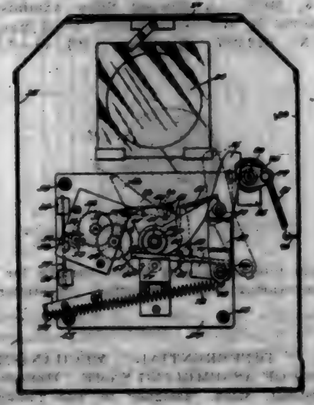
1. In mechanism, a case having diametrically opposite radially extending holes therethrough and slots in its outer surface disposed diametrically with respect to said holes, and a pinion supporting element mounted in said holes and itself having transverse holes and locking pins extending through said last mentioned holes, the distance between the bottoms of said slots

being such that one of said locking pins is bent flush with the bottom of one slot when the other hole is exposed opposite the other slot the proper distance to re-



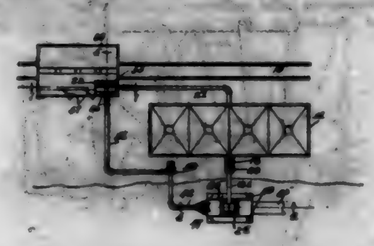
ceive the other locking pin and cause the bottom of said last mentioned slot to serve as an anvil for bending such pin.

1,544,364. PICTURE-EXHIBITING APPARATUS. ALFRED D. ANTOINE and MYRON H. RICHARDSON, Chicago, and ALBERT E. GREEBT, Wilmette, Ill., assignors to Advance Machine Company, Chicago, Ill., a Corporation of Illinois. Filed Sept. 21, 1923. Serial No. 664,010. 36 Claims. (Cl. 88—31.)



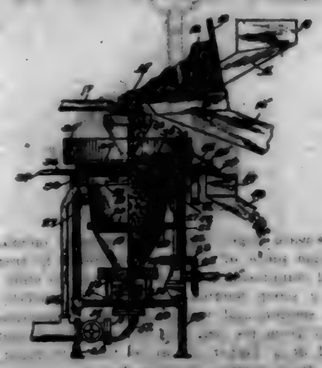
1. An apparatus of the character described embodying a rotatable support, a plurality of view supporting members pivotally mounted upon the support, means for rotating the support, and means disposed adjacent the pivots of the said members for turning them about their pivots with respect to the support and at a predetermined point in the rotation of the support.

1,544,365. PLANT FOR SEPARATING COKE. JOHN B. ARPIN, Wisconsin Rapids, Wis. Filed July 28, 1923. Serial No. 578,068. 8 Claims. (Cl. 23—59.)



1. In a hydraulic apparatus for separating coke from ashes, a raft, a well beneath said raft permanently open at the bottom for free fall of the ashes therethrough, a passage leading from said well, and suction means for creating a current through said passage.

1,544,366. CENTRIFUGAL SEPARATOR. JOHN B. ARPIN, Wisconsin Rapids, Wis. Filed July 28, 1922. Serial No. 578,069. 10 Claims. (Cl. 233—17.)



1. In a device for recovering coke from ashes, a vessel, means for rotating said vessel about a vertical axis, a flange projecting into said vessel, means for supplying water and ashes to said vessel at a point above said flange, means below said flange for conducting away from the vessel the water and heavier portions of the ashes, and means surrounding said vessel for conducting away the portion of the ashes received above the said flange.

1,544,367. METHOD OF MAKING FINGER RINGS. ERNEST C. BLAICHER, Belmar, N. J., assignor to Interstate Smelting and Refining Co., Inc., Newark, N. J. Filed May 9, 1923. Serial No. 637,773. 3 Claims. (Cl. 29—160.6.)



3. The method of making finger rings which consists in providing a washer-shaped ring, indenting one face thereof to form separated recesses, which recesses terminate short of the inner and outer edges of the ring, then upsetting the ring to form a cylindrical band with the recesses on the inner face, and then piercing the band at the recesses to form settings.

1,544,368. SAND-FINISH FLOAT. FRANK C. BRENNAN, St. Louis, Mo. Filed May 16, 1924. Serial No. 713,652. 4 Claims. (Cl. 72—186.)



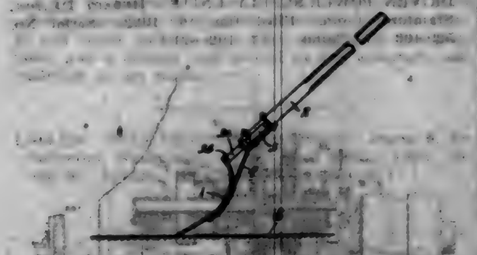
1. A sand-finish float comprising a sheet metal base with upturned ends, a course-surfaced band stretched along the bottom of the base and over the upturned ends, and sheet metal clamps secured to the top of the base and adapted to bear adjacent the upturned ends.

1,544,369. CAR STOP. RUPERT BRETLEY, Painesville, Ohio. Filed Apr. 1, 1925. Serial No. 19,794. 11 Claims. (Cl. 104—260.)



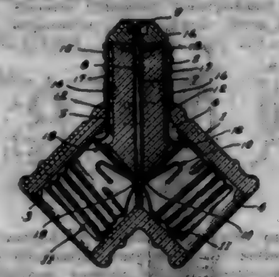
2. A shoe for a friction car stop adapted to be slidably mounted on a rail and comprising two wheel carrying parts that are spaced apart so as to expose between them a section of the wheel engaging surface of the rail, the first of said parts including a wheel obstructing portion and the second constituting a pull-back, means disposed laterally of the rail for tying said parts together, lugs depending from opposite sides of the pull-back and extending beneath the ball of the rail, and means for maintaining the first of said parts against lateral displacement with respect to the rail.

1,544,370. SNOW PUSHER. CLAYTON E. BURKE, Minneapolis, Minn., assignor to B. E. Specialty Company, Minneapolis, Minn., a Corporation of Minnesota. Filed Mar. 24, 1924. Serial No. 701,343. 3 Claims. (Cl. 37—53.)



1. A pushing implement comprising a substantially rectangular plate curved for the greater portion of its width about an axis parallel to the longitudinal axis thereof and having a flat portion adjacent its forward edge tangent to said curved portion, the forward surface of said plate being smooth and unobstructed, a handle extending rearwardly and centrally from and substantially normal to and in alignment with the rear edge of said plate, and central and side brace members secured to and extending from said handle and lying flat against and secured to the rear surface of said plate.

1,544,371. PLURAL LAMP SOCKET. ABRAHAM L. BUSCHMAN, New York, N. Y. Filed Jan. 10, 1925. Serial No. 1,545. 2 Claims. (Cl. 173—335.)



1. In a plural lamp socket, the combination of an insulating base comprising a hollow portion having shell receiving recesses and a plug integral with said hollow portion, connector receiving passageways in said base each communicating with one of said recesses and extending therefrom toward said plug, a threaded lamp receiving shell in each recess, a threaded contact on the plug and a connector in each passageway between said contact and each shell consisting of an integral portion of said shell displaced from material forming a wall thereof and having its free end secured in operative position between said contact and said plug.

1,544,372. METAL WHEEL BLOCK. LESTER E. CAMPBELL, Mobile, Ala. Filed Jan. 6, 1925. Serial No. 1,181. 2 Claims. (Cl. 188—32.)



1. A block for pneumatic tired wheels formed of a single strip of sheet metal comprising leg portions flaring outward at their lower ends provided with ends outwardly bent to form supporting feet and a mid portion concaved to receive the tire having end strips bent downward, the portion between the upper ends of the leg portion and the mid portion being turned outward and folded inward upon itself so as to bring the upper edges of the leg portions beneath it.

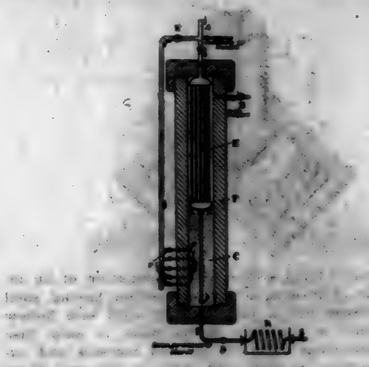
1,544,373. METHOD FOR THE DIRECT SYNTHESIS OF AMMONIA. GEORGES CLAUDE, Paris, France, assignor, by mesne assignments, to Lazote, Inc., a Corporation of Delaware. Filed Sept. 8, 1920. Serial No. 408,940. 23 Claims. (Cl. 23—199.)

1. A process of producing ammonia by synthesis from a gaseous mixture of nitrogen and hydrogen under high pressure in the presence of a catalyst, which comprises cooling and thereby maintaining the pressure-sustaining wall of the reaction chamber below the temperature of the reaction by contact of the gaseous mixture therewith before the gaseous mixture reaches the catalyst.

7. A process of producing ammonia by synthesis from a gaseous mixture of nitrogen and hydrogen under pressure in the presence of a catalyst, which comprises mixing separate portions of the gaseous mixture at different temperatures in contact with the catalyst and during the reaction, the colder portion being added at successive stages of the reaction.

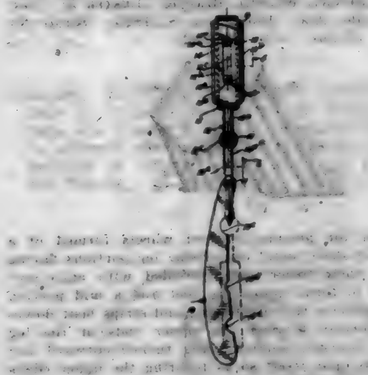
22. A process of producing ammonia by synthesis of its elements under pressure in the presence of a catalytic body, which comprises passing the incoming gases in heat

exchange contiguity to the hot gases of the reaction, then passing the preheated gases through a conduit positioned within the catalytic body and thence into contact with



the catalytic body, passing another portion of the incoming gases in contact with the interior wall of the pressure-sustaining tube and then passing said portion into the catalytic body.
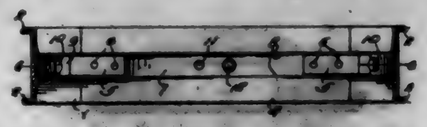
1,544,374. RAZOR CONSTRUCTION. FERNMAN O. CONNILL, Marseille, France. Filed Jan. 10, 1923. Serial No. 611,694. 13 Claims. (Cl. 30—12.)



1. In razor construction, in combination, a cutting blade, a handle member therefor adapted to form substantially a sheath for said blade, means mounting said blade with respect to said handle members adapted to permit said blade to be swung toward said handle to be substantially sheathed thereby or away from said handle thereby to permit said blade to be given manually a movement of translation substantially transversely to the direction of the cutting edge of said blade, said blade mounting means including guiding means for said blade adapted to permit slidable movement of the blade with respect to said mounting means and in a direction substantially lengthwise of the cutting edge of said blade, and means associated with said blade-mounting means for giving said blade a substantially sustained reciprocating movement with respect to said mounting means and substantially in the direction of the cutting edge of said blade.

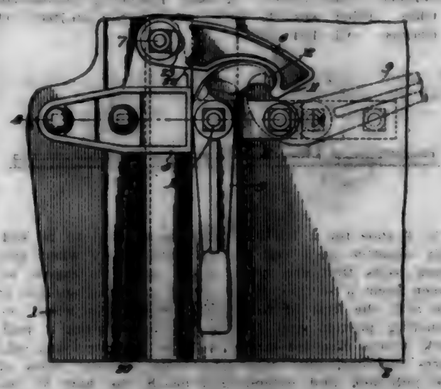
1,544,375. EXPANSIBLE RIM. WILLIAM HENRY COOK, Lee, Mass. Filed Sept. 30, 1921. Serial No. 504,302. 4 Claims. (Cl. 301—31.)

1. In a truck tire rim, the combination of a rim having a removable section, the abutting edges of said rim and said removable section being correspondingly beveled, grooves on the rim, tapered projecting tongues on the removable section, lugs on the rim positioned in proximity to the removable section and distant from the valve



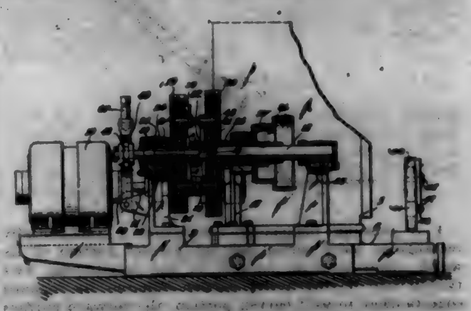
stem and engageable by the tapered tongues of the removable section, whereby to secure the removable section in place.

1,544,376. DOOR-OPERATING MECHANISM. HUGH EDGAR CREER, Chicago, Ill., assignor, by mesne assignments, to Camel Company, Chicago, Ill., a Corporation of Illinois. Filed May 27, 1921. Serial No. 473,080. 15 Claims. (Cl. 268—6.)



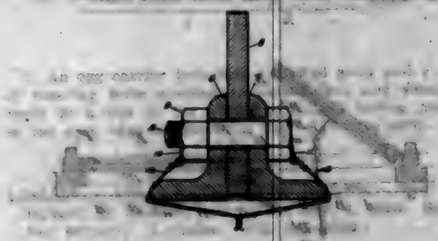
1. Door operating mechanism comprising abutment means, a pivoted catch member and a pivoted cam lever member, said cam lever member including a projection, said projection being provided with a cam portion to engage said abutment means and with means for engaging said catch member.

1,544,377. CLUTCH MECHANISM FOR MOTOR-DRIVEN POWER-SUPPLY UNITS. HUBERT DALTON, Stamford, Conn. Filed Jan. 16, 1922. Serial No. 529,406. 5 Claims. (Cl. 192—21.)



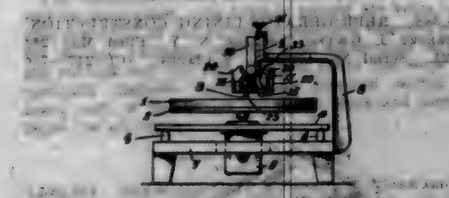
1. In power supply mechanism, a counter-shaft, spaced driving gears loosely mounted on said counter-shaft and driven in reverse directions from a common source of power, a clutch device associated with each of said gears, a double clutch cone mounted upon the counter-shaft between said gears, said counter-shaft having a longitudinal bore, a manually reciprocable rod mounted in said bore, and means operatively connecting said rod to the clutch cone whereby the latter may be shifted in either direction to actuate the respective clutch devices and thereby connect one of the driving gears to said countershaft to drive the latter in either direction.

1,544,378. NUT LOCK. CON DRISCOLL, Oilfields, Calif. Filed Nov. 26, 1924. Serial No. 751,121. 1 Claim. (Cl. 151—2.)



In a device of the character described the combination with a bolt and a nut adapted to be threaded theron, of eyes secured to the outer front face of the nut and the outer front face of the bolt respectively and projecting outwardly beyond said faces in the general direction of the length of the bolt, said eyes being adapted to have wire strands passed therethrough which extend longitudinally of the bolt and about the part traversed by said bolt, said eyes being heavier and stronger than the wire strands to insure that the latter will break, before said eyes.

1,544,379. MAGNETIC RECORDER. FRANK L. DYER, Montclair, N. J. Filed Feb. 16, 1921. Serial No. 445,416. 14 Claims. (Cl. 179—100.1.)



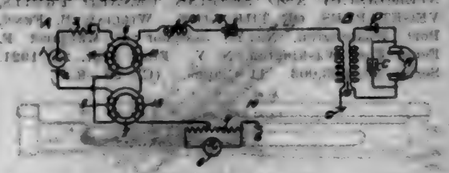
1. In a magnetic recorder, the combination with polarized magnets, an aperiodic armature operated thereby and freely movable in a plane parallel to the polar faces, and a cutting tool carried by the armature, substantially as set forth.

1,544,380. GOLF-PRACTICING DEVICE. DAVID B. EDMONSTON, Washington, D. C. Filed Nov. 6, 1924. Serial No. 748,139. 11 Claims. (Cl. 273—35.)



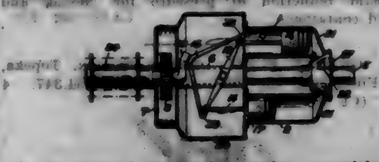
1. In a device of the kind described, a base board having a hole therein, and a fixed retainer projecting over the hole at a proper height to frictionally engage the top of a ball entering the hole.

1,544,381. METHOD AND SYSTEM FOR AMPLIFYING VARIABLE CURRENTS. GUSTAV W. EDELL, Bogota, N. J., and Carl F. Ort, New York, N. Y., assignors to Western Electric Company, Incorporated, New York, N. Y., a Corporation of New York. Filed Apr. 9, 1918. Serial No. 227,564. 14 Claims. (Cl. 179—171.)



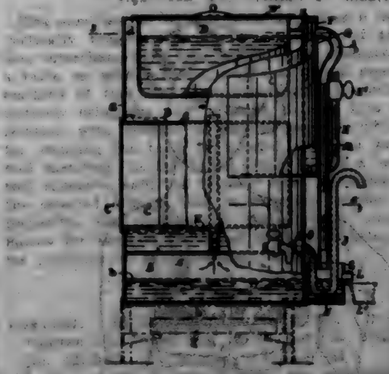
1. The method of transmission which comprises subjecting an alternating current to the action of a magnetic impedance, varying said magnetic impedance in accordance with modulated oscillations of frequency higher than said current whereby said alternating current is varied in magnitude in accordance with the modulations of said oscillations, and transmitting the energy of said varied alternating current to a remote signalling station.

1,544,382. COMBUSTION MOTOR. VIKTOR ENTLER, Bremen, Germany. Filed Nov. 28, 1922. Serial No. 603,846. 2 Claims. (Cl. 123—43.)



1. An internal combustion engine comprising a number of cylinders having their axes extending substantially parallel with a common center about which the cylinders are annularly disposed, pistons in said cylinders, connecting rods coupled to said pistons, levers having their outer ends connected to pairs of the pistons operating in alternate relation, a shaft, pins on the shaft for supporting the intermediate portions of the levers for pivotal movement, V-shaped parts having the free ends thereof pivoted upon the end portions of the levers, cranks coupled to the intermediate portions of the V parts, pinions turned by said cranks and a fixed gear wheel over which said pinions are adapted to roll.

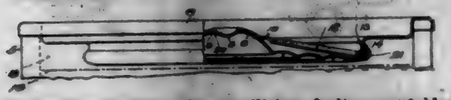
1,544,383. APPARATUS FOR PURIFYING LIQUIDS. GOTTLIEB EFFENBERT, Ridgewood, N. J. Filed Apr. 16, 1924. Serial No. 707,363. 14 Claims. (Cl. 23—262.)



5. An apparatus of the class described including a condensing chamber, a liquid receptacle arranged to absorb heat from said chamber, and liquid conducting

means including a cooling vessel formed around said chamber, said means maintaining a constant liquid level in said receptacle.

1,544,384. METHOD OF AND APPARATUS FOR STERILIZING AND SEALING CANNED FRUITS, VEGETABLES, OR THE LIKE. WILLIAM B. FENN, Port Washington, N. Y., assignor to Margaret F. Fenn, Port Washington, N. Y. Filed Sept. 24, 1921. Serial No. 503,003. 11 Claims. (Cl. 99—8.)



1. In an apparatus for sterilizing fruits, vegetables and other products, a container, a top therefor, said top having an opening therethrough for admission of the sterilizing medium to the interior of the container, and means rendered effective by the sterilizing medium for closing and sealing said opening without removal of the container from its sterilizing position.

11. The method of canning, sterilizing and sealing fruits, vegetables and other products in sealed containers which comprises subjecting a filled container having an open valve to the action of steam under pressure, permitting said steam to penetrate the interior of the can, and permitting reduction of pressure, and utilizing said reduction of pressure for closing and sealing said containers.

1,544,385. GREASE PLUG. GEORGE FRASER, Topeka, Kans. Filed July 28, 1923. Serial No. 654,347. 4 Claims. (Cl. 184—45.)



3. A grease plug comprising an externally threaded body, said body being provided with a recess for engagement by a tool or the like, and being cut away adjacent to said recess, a complemental member pivotally mounted on said body, and located in said cut away portion, and means to normally displace said complemental member with respect to the adjacent portion of said body member.

1,544,386. SHOULDER STRAP. ARNETTE FRIDOLPH, Kansas City, Mo. Filed July 21, 1924. Serial No. 727,235. 1 Claim. (Cl. 241—12.)



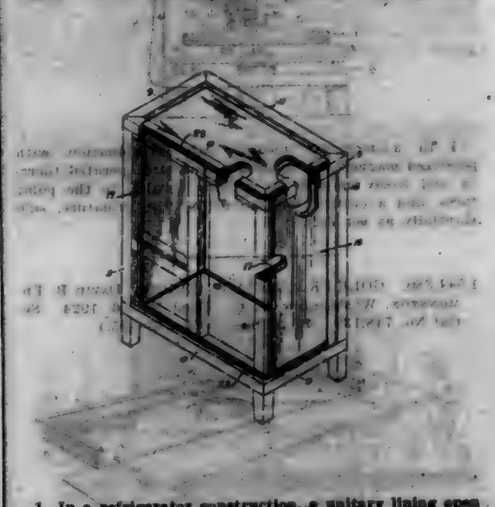
In combination, an under-garment having a plurality of round holes therein, detachable shoulder straps for the under-garment, each shoulder strap comprising a flexible elongated member having stiffened ends including folded back portions secured together, said ends insertable in the openings and lying across the openings when the shoulder straps are in place, the length of each stiffened portion being appreciably in excess of the diameter of the opening.

1,544,387. CASEMENT-WINDOW FITTING. THOMAS MCCREA FULTON, Hawthorn, Victoria, Australia. Filed Dec. 13, 1922. Serial No. 606,712. 2 Claims. (Cl. 292—266.)



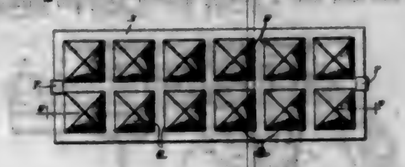
1. Improvements in casement window fittings comprising, in combination, a vertically mounted screen support having a recess and an opening therein and secured to the sash framing, a slotted cover plate secured to said screen support and positioned over the recess in said support, a locking tongue formed with said plate, a vertically mounted slidable plate formed with a hole therethrough housed in the recess of said screen support, a window lever pivotally connected to a stock and carried by said slidable plate, and means for locking said lever to and disengaging the same from said locking tongue.

1,544,388. REFRIGERATOR-LINING CONSTRUCTION. HERBERT J. GWYNN, Yonkers, N. Y. Filed May 25, 1921. Serial No. 473,537. 8 Claims. (Cl. 217—7.)



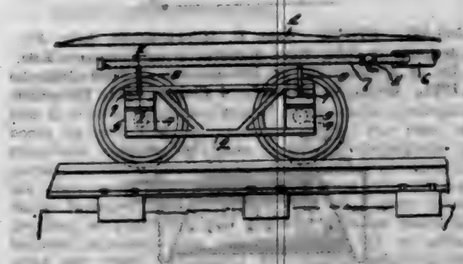
1. In a refrigerator construction, a unitary lining open at the front, outwardly projecting flanges adjacent the top and bottom of said lining, angular flanges at two sides of the open front, said projecting flanges being adapted to fit between the top and bottom respectively and the sides of a cabinet, and said angular flanges at the open front being adapted to fit between the front and two of the sides of the cabinet.

1,544,389. EGG CARRIER. WALTER H. HALL, Denver, Colo. Filed Jan. 5, 1924. Serial No. 684,687. 2 Claims. (Cl. 217—26.5.)



1. An egg carrier including a slotted strip and a cell of tapering form adapted to extend into and substantially fit a slot in the slotted strip and having means at the open edge for fastening the cell to the strip.

1,544,390. AIR-BRAKE ATTACHMENT. ROY E. HARRIS, St. Edward, Nebr. Filed Sept. 1, 1922. Serial No. 600,527. 1 Claim. (Cl. 246—169.)



The combination with an air brake pipe wherein pressure is maintained, axle bearings having air vents, of a pipe connected to the air brake pipe and disposed above the boxings, vertically disposed pipe connections between the boxings and the pipe disposed above the same and vertically disposed fusible plugs disposed within the lower ends of the boxing connected pipes and disposed below the air vents.

1,544,391. ROOFING CLIP. VERNON J. HARWARD and WALTER P. BUDD, Durham, N. C. Filed July 12, 1923. Serial No. 651,183. 3 Claims. (Cl. 108—38.)



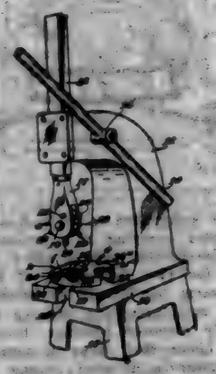
3. As an article of manufacture, a roofing tab formed of sheet metal comprising a substantially T-shaped attaching portion which includes a shank and laterally extending apertured wings at the top thereof, said attaching portion at the top marginal edge thereof having a spacing flange bent downwardly substantially at right angles to the normal plane of the attaching portion, said spacing flange being of less width than the width between the marginal outer edges of said attaching wings, the shank portion of said attaching portion having at the lower end thereof an upturned and overly bent retaining tab.

1,544,392. ROOFING CLIP. VERNON J. HARWARD and WALTER P. BUDD, Durham, N. C. Filed July 12, 1923. Serial No. 651,184. 7 Claims. (Cl. 108—38.)



1. A roofing clip comprising an attaching portion, and a retaining tab bent over said attaching portion, said retaining tab having the free end thereof provided with a blunt edge turned toward the attaching portion.

1,544,393. ARBOR PRESS. OSCAR MILTON HATCHER and JAMES CHAPMAN CAMPBELL, Manito, Miss. Filed Nov. 26, 1923. Serial No. 677,611. 1 Claim. (Cl. 29—86.1.)

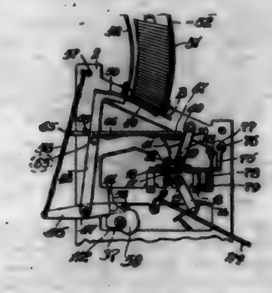


The combination with a press including a bed and a vertically reciprocable pressure member, of tool members interchangeably applicable to said pressure member, a table on said bed, tool members spaced apart at the margins of the table, said table being revoluble to selectively bring the tool members thereon into operative relation with respect to the pressure member, means for securing the table in selected positions, one of the tool members on the table consisting of a number of tool elements, said tool member being revoluble to bring the selected element into co-operative relation with its respective tool member on the pressure member and means for securing said tool member in selected angular positions on said revoluble table.

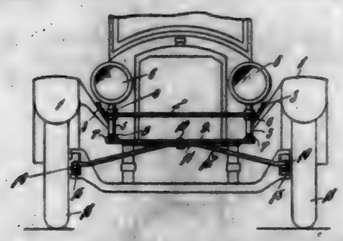
1,544,394. BOOKMAKING MACHINE. THOMAS B. HERRON, St. Louis, Mo. Filed Nov. 20, 1920. Serial No. 425,348. 9 Claims. (Cl. 154—41.)

1. In a book facing machine, the combination of a book feeding element, means arranged parallel to said element for feeding a strip of glued material to a posi-

tion lengthwise of said element so that the material will be engaged by the hinging portion of a book at its approximate longitudinal center, and a combined feeding and pressing means arranged parallel to said feeding means for bearing against the side walls of the book and the glued material engaged thereover.



1,544,395. DIRIGIBLE-HEADLIGHT CONSTRUCTION. HERBERT HEGNA, Sisseton, S. Dak., assignor of one-half to William D. Worner, Aberdeen, S. Dak. Filed Mar. 14, 1924. Serial No. 699,298. 1 Claim. (Cl. 240—62.)



An automobile comprising front fenders, front wheels, swingable spindles carrying said wheels and having forwardly and rearwardly directed arms, the rearwardly directed arms for the application of steering mechanism, a transverse bar fixedly connected at its ends to the fenders and interposed between the same and having vertically disposed bearings, headlights having stems movable about their axes in said bearings and also having forwardly directed cranks at the lower ends of the stem, an upwardly deflected transverse bar interposed between and pivotally connected to the forwardly directed arms of the spindles and having an upper central horizontal portion, and a transverse bar superimposed upon and pivotally connected to the central horizontal portion of the bar on the spindle arms and pivotally connected to the said forwardly directed cranks on the headlight stems.

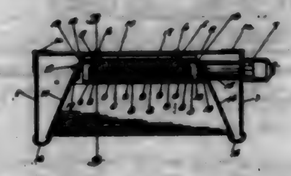
1,544,396. REMOTE THERMALLY-CONTROLLED DOOR CLOSER. WILLIAM K. HENRY, New Britain, Conn., assignor to The American Hardware Corporation, New Britain, Conn., a Corporation of Connecticut. Filed Nov. 11, 1922. Serial No. 600,261. 3 Claims. (Cl. 189—49.)

1. A door check having, in combination, a casing for attachment to the door, a spring actuated arm movable horizontally about the vertical axis of said casing, a link pivotally connected with said arm for connecting said arm to the door case, a slidable detent mounted on said arm and having its outer end arranged to engage an abutment on said casing when the door is open, a spring for urging said detent outwardly, means comprising a lever pivoted on said arm for maintaining said spring under tension when the lever is held in a predetermined angular position, a guide carried by said spring actuated arm and having its axis in alinement with the axis of the pivotal connection between said arm and said link, a guiding member arranged adjacent



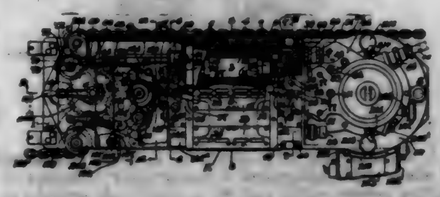
the axis of the pivotal connection of said link and door case, and a thermally controlled flexible connection passing over said guide and guiding member and having one end secured to said lever and its other end adapted to be secure to the ceiling for holding said lever in said predetermined position.

1,544,397. STOVE. CARL H. HOFFSTETTER, Erie, Pa., assignor to Odin Stove Manufacturing Company, Erie, Pa., a Corporation of Pennsylvania. Filed July 1, 1921. Serial No. 481,797. 4 Claims. (Cl. 126—92.)



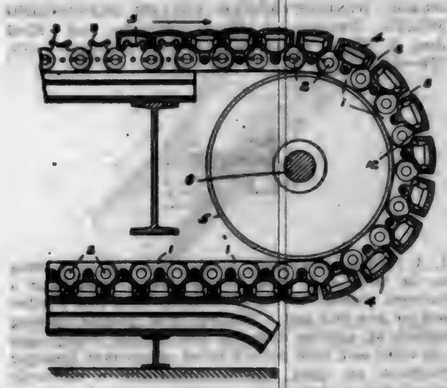
1. In a stove, the combination of a burner; radiants extending upwardly from the burner; and a backing at the rear of the radiants comprising a metal back having a facing of asbestos board, the back extending forwardly at the sides of the end radiants and the board extending forwardly along the forwardly extending portion of the back.

1,544,398. MINING MACHINE. MORRIS P. HOLMES, Claremont, N. H., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio, a Corporation of Ohio. Filed Nov. 10, 1916, Serial No. 130,579. Renewed Apr. 21, 1922. Serial No. 555,916. 205 Claims. (Cl. 262—50.)



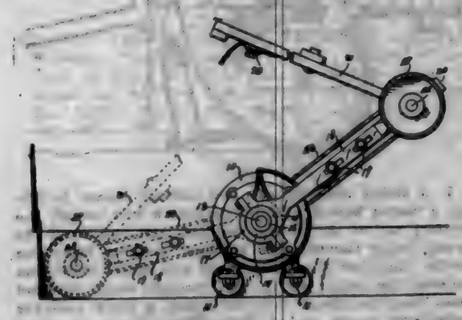
1. A mining machine comprising cutting mechanism including a cutter chain driving sprocket, machine feeding mechanism including a pressure fluid motor having a plurality of intermeshing rotors mounted in the same horizontal planes, and motor driven driving connections between said motor and said sprocket reversely connectible to said motor to drive said sprocket in opposite directions.

1,544,399. TRAVELING GRATE. HARRIS B. HOLT, Dermont, Pa., assignor to Rosedale Foundry and Machine Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Jan. 19, 1924. Serial No. 687,248. 4 Claims. (Cl. 110—40.)



2. In a chain-grate structure an endless chain-grate advancing in round-ended course, the said grate consisting of a plurality of rows of links pivoted row to row in echelon formation and of square-ended grate-bars borne by said links in successive rows; the rows of grate-bars standing in close succession throughout a portion of the course of grate travel and separating as the grate rounds the ends of its course with substantially V-shaped spaces between, the said links being provided with anterior and posterior surfaces which as between adjacent rows stand normally out of alignment but which throughout the rounded ends of the course of grate travel stand in alignment and afford transversely of the structure a bottom to the space which opens between the rows of grate-bars.

1,544,400. FLOOR-SANDING MACHINE. THOMAS G. HOLT, Kansas City, Mo. Filed June 24, 1924. Serial No. 722,112. 1 Claim. (Cl. 51—176.)



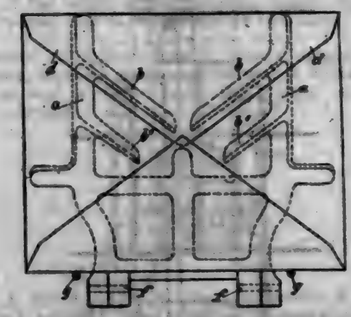
In a floor sanding device, a wheel supported motor embodying the usual housing and shaft, connecting rods pivotally engaged with the motor housing at opposite sides thereof and rotatable upon the housing with the shaft as a center, a shaft rotatably mounted in the free ends of said connecting rods, a sprocket and chain connection between the motor shaft and the last named shaft, said connecting rods being adjustable as to length, an operating handle rotatably engaged with the last named shaft, and a sanding wheel carried by one end of the last named shaft.

1,544,401. COPYHOLDER. WALTER A. HOMAN, Denver, Colo., assignor to The Homan Copy Holder Company, a Corporation of Colorado. Filed Aug. 18, 1922. Serial No. 582,677. 9 Claims. (Cl. 120—31.)



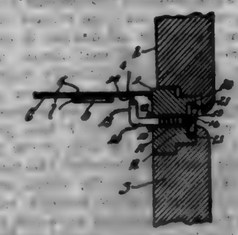
1. A copyholder comprising a cylindrical member having a pair of clamping members secured thereto, a horizontal supporting member, means for slidably and rotatably securing the cylindrical member thereto, and means for permitting the supporting member to be rotated about a vertical axis.

1,544,402. ENDLESS DRYING CHAIN FOR ENVELOPE-MAKING MACHINES. THEODORE HUGO, Wilmersdorf, near Berlin, Germany. Filed Mar. 13, 1924. Serial No. 699,010. 5 Claims. (Cl. 93—75.)



1. A link for a drying chain having an article-engaging rib deflected to accord with a zone of application of material to be dried on an article.

1,544,403. REFRIGERATOR. WILLIAM L. HUMMEL, Chicago, Ill. Filed Jan. 4, 1924. Serial No. 684,898. 1 Claim. (Cl. 62—65.)



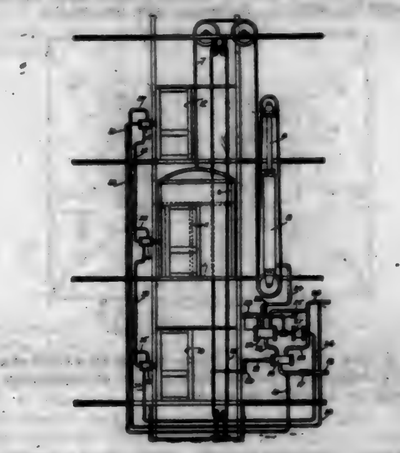
A refrigerator construction comprising two compartments separated by a perforated partition wall, a door for each compartment separated by a cross brace, a shutter slidably mounted in contact with and parallel to said partition wall, a plunger attached to the shutter, and actuating means for said plunger, housed, when the doors are closed, entirely within said cross brace, said actuating means being constructed so as to move said shutter out of registration with the perforations in said partition floor when one or both of said doors are open.

1,544,404. TOOTHBRUSH ATTACHMENT. WILLIAM L. HUMMEL, Chicago, Ill. Filed July 24, 1924. Serial No. 727,972. 2 Claims. (Cl. 15—246.)



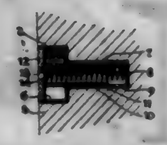
1. A tooth brush attachment comprising a cap having a portion arranged to frictionally engage the end of a tooth brush head, an auxiliary brush having spring arms, and means carried by said cap for detachably holding said spring arms.

1,544,405. HYDRAULIC-ELEVATOR INSTALLATION. JOHN STANLEY HUNTER, Waverley, New South Wales, Australia. Filed Oct. 22, 1923. Serial No. 670,187. 4 Claims. (Cl. 187—30.)



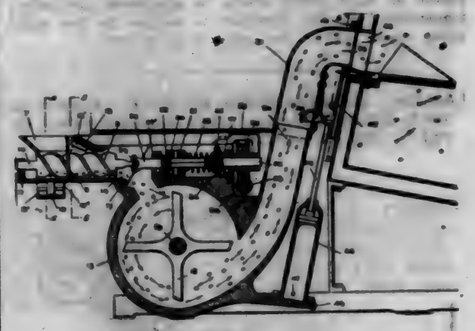
3. In an hydraulic elevator installation in which the supply of fluid pressure to and the release of said pressure from the car operating mechanism is controlled by movement of one of the lift-well doors, a series of hydraulic switch associated individually with each lift-well door, each of said switches comprising a cylindrically bored body having an outlet port, an exhaust port and an inlet port to which is connected a fluid pressure supply pipe, annular leathers in the bore of the body one of said leathers being positioned between the inlet and outlet ports and another between the outlet and exhaust ports, a hollow plunger slidable through said leathers and moved to one extreme position by water pressure admitted through the inlet port, means actuated by the closure of the lift-well door to move said plunger to the other extreme position, said plunger having in its wall two separated sets of perforations so arranged that when the plunger is in the last mentioned extreme position one set establishes communication between the inlet and outlet ports and when said plunger is in the first mentioned extreme position communication is established between the outlet and exhaust ports, said switches being connected in series by means of a pipe connection from the outlet port of each (except the last in series) to the inlet port of the next in series, and a pipe connection from the last switch in series to hydraulically actuated means controlling the operation of a regulator valve interposed in the pressure supply pipe line to the car-operating mechanism.

1,544,406. WINDOW-SHADE-ROLLER-SUPPORTING MEANS. THORNTON P. HUNT, Valparaiso, Ind. Filed Aug. 2, 1924. Serial No. 729,831. 2 Claims. (Cl. 156—24.)



1. A curtain shade roller support adapted to be sunk into the inner face of a window frame, comprising a cylindrical member having a relatively long rear portion closed at one end and a shallow front portion opening therefrom of greater diameter and further being open at its front end, each portion being of constant diameter throughout, an inner member comprising a relatively long cylindrical portion of a diameter to snugly telescope into said long rear portion, a flat annular head having a central aperture therein for the reception of a shade roller pin secured to the end of said cylindrical portion and adapted to snugly reciprocate in said shallow portion, and an expansible spring housed within said cylindrical portion and having one end bearing against the closed end of the said rear portion.

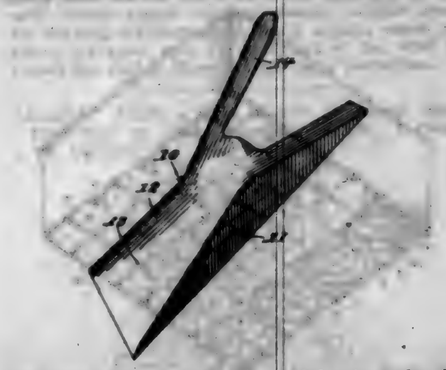
1,544,407. LOCOMOTIVE STOKER. CARL H. JEFFERS, Canton, Ohio. Filed May 5, 1923. Serial No. 636,792. 2 Claims. (Cl. 302—37.)



1. A stoker comprising a fuel delivery blower including a casing having an inlet portion, a fuel trough, the delivery end of the trough and said inlet portion of the casing being formed with spherical surfaces fitted one within the other to provide a ball and socket connection between the casing and trough through which the fuel flows from the trough into the casing, a screw conveyor within the trough, and actuating means for the conveyor assembled with said casing, said actuating means and conveyor having a flexible connection centrally of said ball and socket joint.
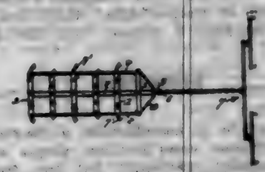
1,544,408. PLOWPOINT. JOHN J. JENSEN, Melbam, S. Dak., assignor of one-half to William B. Striehers, Melbam, S. Dak. Filed Apr. 4, 1923. Serial No. 629,892. 3 Claims. (Cl. 97—125.)

1. An attachable plow point consisting of an elongated body formed as a single piece of material, including a relatively thick landside having its rear edge tapered, further including a share portion curved longitudinally and transversely and having an inclined forward end,



said body being adapted to be welded onto a plow lay and being formed with a hollowed out portion to receive the frog.

1,544,409. DITCH FORMER. WILLIAM JOHNSON, Ontario, Oreg. Filed June 14, 1922. Serial No. 568,239. 1 Claim. (Cl. 37—30.)



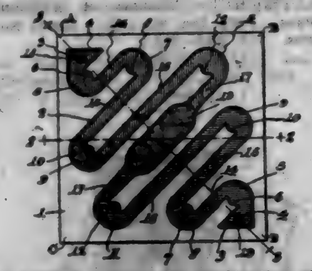
A ditch former comprising a plurality of rings, radial teeth secured to said rings, longitudinal bars spanning the rings and secured thereto and maintaining them in axial alignment, annular draft bars connected with diametrically opposite longitudinal bars and crossing each other at the axes of the rings, and a draft ring secured to the draft bars at the point of crossing.

1,544,410. PRESSER-FOOT ATTACHMENT. FRANCIS S. JONES, West New Brighton, N. Y., assignor of one-third to Mary E. Jones and one-third to Leon W. Jones, both of West New Brighton, N. Y. Filed July 30, 1923. Serial No. 654,696. 1 Claim. (Cl. 112—151.



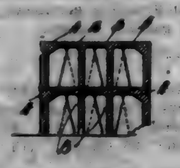
An attachment for a presser foot of a sewing machine including a longitudinally curved resilient strip, a laterally extending base carried thereby at one end and adapted to be received in a slot provided in the shank of the presser foot, rounded forwardly projecting guides carried by the opposite ends of the strip and adapted to slide along the longitudinal edge of the work being stitched, and a vertically extending wall carried by said end of the resilient strip and disposed in opposed relation to the guide, the guide being disposed upon one side of the presser foot and the wall being disposed upon the other side and both serving to hold the strip against lateral movement.

1,544,411. GAME OF PASS. HARRY H. KEAN, Cornell, Wis. Filed May 6, 1924. Serial No. 711,476. 3 Claims. (Cl. 273—112.)



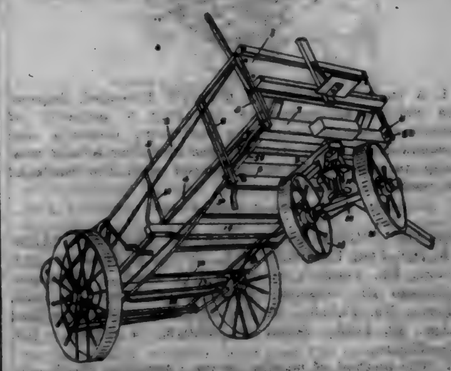
1. In a balancing game, the combination of a game-board having a sinuous groove, a plurality of terminals in which said groove terminates, the sinuous groove having an enlarged central portion, a plurality of courses intervening between the enlarged central portion and each of the terminals, and bends or corners connecting said courses, and including bays in the bends.

1,544,412. BUILDING STONE. ADOLF KRAMP, Baden-Baden, Germany, assignor of one-half to William Nees. Filed Nov. 6, 1923. Serial No. 673,184. 3 Claims. (Cl. 72—30.)



1. A building stone or block comprising a top one vertical wall and ribs extending transversely to said top and vertical wall, the lower edges of said wall and ribs serving as base for said stone.

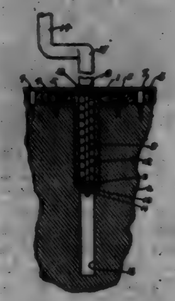
1,544,413. VEHICLE. HENRY L. LITCHFIELD, EDGAR C. LITCHFIELD, VICTOR SPEER, and CLARENCE C. HERMANN, Waterloo, Iowa; said Speer and said Hermann assignors to Henry L. Litchfield and Edgar C. Litchfield, Waterloo, Iowa. Filed May 2, 1922. Serial No. 558,131. 4 Claims. (Cl. 296—28.)



1. A vehicle body including side panels, a strong metal frame extending transversely of said side panels and underlying the front ends of the same, metal uprights

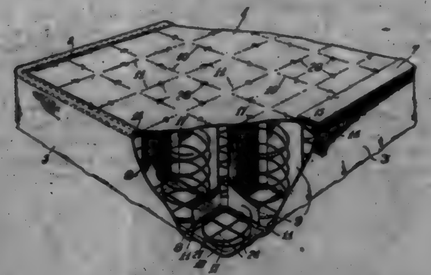
connected to said frame and extending upwardly beside said panels, metal longitudinals extending along the upper and the lower edges of said panels and secured at their front ends to said uprights, and means at the middle of the front end of said frame for supporting the vehicle body on a front axle.

1,544,414. SOCKET. WILLIAM S. RAWSON, Springfield, Mass. Filed Jan. 30, 1922. Serial No. 532,925. 17 Claims. (Cl. 296—189.)



2. A socket capable of receiving an automobile curtain support and comprising a socket member having a passage, a plunger normally closing an open end of said passage and slidable in said passage upon insertion of said support in said passage and means between said plunger and the end of the socket remote from the open end thereof for limiting the movement of said slidable member at closing position thereof.

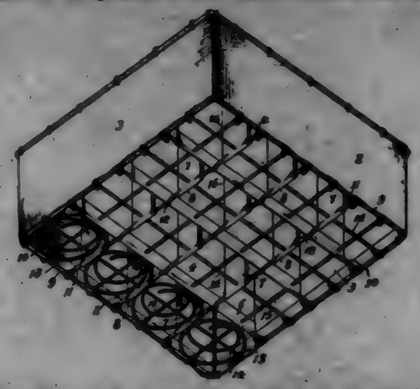
1,544,415. SPRING ASSEMBLY FOR UPHOLSTERY. LOUIS A. SUSKOFF, Chicago, Ill., assignor of one-half to Fred A. Nachman, Chicago, Ill. Filed Apr. 9, 1925. Serial No. 21,816. 16 Claims. (Cl. 5—352.)



1. A cushion including a normally distended, depressible flexible superstructure including a plurality of individual pockets containing cushioning elements, and a substantially rigid skeleton base including sets of relatively intersecting wires interlaced with the walls of the pockets.

1,544,416. METHOD OF MAKING SPRING ASSEMBLIES FOR UPHOLSTERY. LOUIS A. SUSKOFF, Chicago, Ill., assignor of one-half to Fred A. Nachman, Chicago Ill. Original application filed Apr. 9, 1925, Serial No. 21,816. Divided and this application filed Apr. 30, 1925. Serial No. 27,019. 4 Claims. (Cl. 5—352.)

1. The method of making spring assemblies which consists in constructing a fabric structure presenting a series of pockets or cells adapted to contain coiled springs, and fabricating a foraminous wire base for one end of said structure by successively interlacing certain of the several component elements of the base with walls of the pockets of said fabric structure and then



securing all of the component elements of said base against displacement relatively to each other, and inserting springs.

1,544,417. CAR STEP AND METHOD OF MAKING THE SAME. WILLIAM P. WITHROW, Pittsburgh, Pa., assignor to Witherow Steel Company, Pittsburgh, Pa., a Corporation of Pennsylvania. Filed Dec. 26, 1922. Serial No. 608,946. 5 Claims. (Cl. 105—442.)



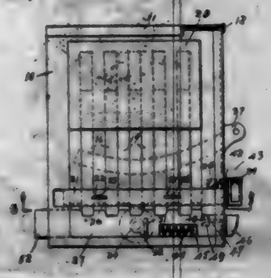
1. As an article of manufacture, a die-rolled safety car step of different cross sectional shapes at different portions throughout the length but free from abrupt changes of section, said step having attaching terminal portions and an intermediate roughened tread forming portion, substantially as described.

1,544,418. AUTOMATIC CONTROL FOR HUMIDIFIERS. FREDRIC F. BAHNSON, Winston-Salem, N. C. Original application filed Aug. 12, 1918, Serial No. 249,697. Divided and this application filed Sept. 11, 1922. Serial No. 587,682. 9 Claims. (Cl. 236—44.)



1. In a humidifier, the combination with a conduit and valve mechanism for controlling the same, of a hygrometrically responsive element mounted to expand in one direction, a lever bodily movable in the plane of movement of the said element and disposed to be acted upon intermediate its ends by the element, means disposed near one end of the lever for limiting the movement thereof toward the said element, resilient means for drawing the lever against said limiting means and means connected with the other end of the lever for translating motion thereof to the valve mechanism.

1,544,419. LOCK. MARK BARUN, Ironwood, Mich. Filed Sept. 29, 1922. Serial No. 591,299. 7 Claims. (Cl. 70—76.)



1. A lock of the class described comprising a plurality of vertically displaceable tumblers, adapted to be raised by a key, a means for locking said tumblers in their lowered position in engagement with the bolt of the lock, said means also supporting said tumblers in their elevated position when the lock is unlocked, and a member to permit manual operation of said means.

1,544,420. SIGNAL LAMP. PIERRE PAUL BASTERREIX, Butte, Mont. Filed July 21, 1924. Serial No. 727,878. 4 Claims. (Cl. 177—329.)



1. In a signal lamp, a casing, opposite solid plates bearing open indicating designations mounted upon said casing with such designations out of alignment with each other, the inner faces of said plates having a reflecting surface opposite the designation of the associated plate and illuminating means disposed opposite the solid reflecting surface of one plate.

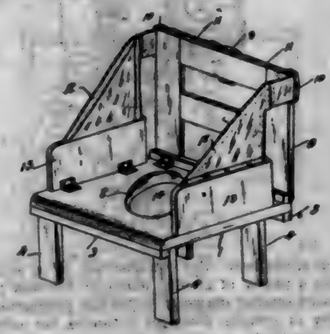
1,544,421. PLASTER. HARRY D. BAYLES, Sellersburg, Ind., assignor to Louisville Cement Company, Louisville, Ky., a Corporation of Kentucky. Filed Oct. 31, 1921. Serial No. 511,872. 6 Claims. (Cl. 106—24.)

1. A composition of matter for the production of plaster comprising in admixture Portland cement, sand, finely divided argillaceous material, a fibrous material, and a cement comprising hydrated natural cement and lime intimately mixed with an organic, plastic, water-repellent substance.

1,544,422. WELDING ROD. FREDERICK M. BECKET, New York, N. Y., assignor to Electro Metallurgical Company, New York, N. Y., a Corporation of West Virginia. Filed Nov. 8, 1922. Serial No. 600,986. 2 Claims. (Cl. 219—8.)

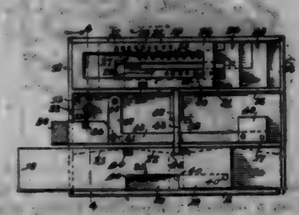
1. A welding rod consisting predominantly of iron and containing chromium 0.25% to 1.50%, molybdenum 0.10% to 0.75%, carbon 0.10% to 0.50%, manganese 0.25% to 1.25%, and silicon 0.10% to 0.75%.

1,544,423. CHILD'S FOLDING CHAIR. IDA H. BEHYMER, Redlands, Calif. Filed July 28, 1923. Serial No. 654,883. 1 Claim. (Cl. 155—130.)



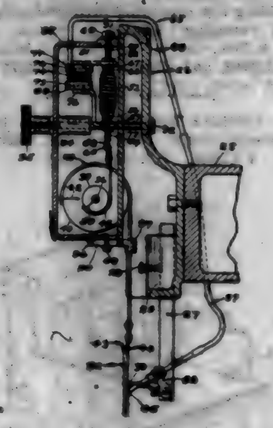
A folding chair having a seat, a back carried thereby and foldable to a collapsed position above and over the same, sides of less height than the back carried by the seat and foldable between the seat and the back, said sides at their rear ends terminating short of the normal position of the back, flexible portions rising from said sides, and a flexible strap bridging said portions adjacent their tops and disposed in engagement with the back adjacent the top of the latter.

1,544,424. PERMUTATION LOCK. PERRIN L. BERRY, Water Valley, Miss. Filed June 30, 1924. Serial No. 723,335. 2 Claims. (Cl. 70—60.)



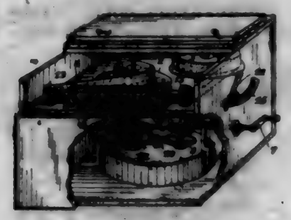
1. A lock of the class described, comprising an enclosing casing having a plurality of graduations, a plurality of superposed tumbler members within said casing and each provided with a seat in one edge, operating pins extending respectively from said tumblers and co-acting with said graduations, a lock bolt movable in said casing and having spaced recesses in one part and an elongated cavity in another part, a coupling member between said tumblers and lock bolt and adapted to be alternately engaged with the seats of the tumblers and the recesses of the bolt, a slide within the casing and having reversely inclined edges adapted to engage the coupling member, and an operating pin extending from the slide and through the cavity of the bolt and adapted to engage the ends thereof and move the bolt into projected or withdrawn position.

1,544,425. SCROLL SAW. Joseph Blank, Newport, Ky., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio, a Corporation of West Virginia. Filed Jan. 29, 1923. Serial No. 615,569. 7 Claims. (Cl. 143—73.)



1. In a scroll saw, the combination of a step-pulley comprising a pulley of greater diameter between the pair of pulleys of smaller diameter, a flexible connection about said pulley of greater diameter arranged for connection with the saw-blade, a pair of flexible connections about said pulleys of smaller diameter, a pair of coil springs having operative connections with said pair of flexible connections, and means for independently adjusting the tensions of said springs.

1,544,426. INDICATOR FOR THE REPRODUCTION OF MUSIC. Carl Robert Blum, Berlin-Schoneberg, Germany. Filed Jan. 6, 1923. Serial No. 611,190. 7 Claims. (Cl. 84—423.)

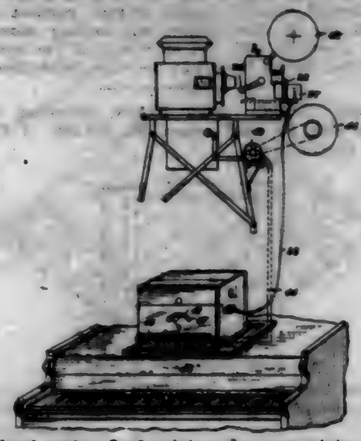


1. A note band comprising a plurality of consecutive notes forming a musical composition having means dividing said notes into measures, the said means being spaced apart in proportion to the tempo of the composition.

7. A device for preparing a note band comprising means for moving such band at uniform speed and manually operable electromagnetic means for marking upon it transverse marks differently spaced apart in proportion to a predetermined tempo.

1,544,427. REPRODUCTION OF MUSIC IN SYNCHRONISM WITH MOVING PICTURES. Carl Robert Blum, Berlin-Schoneberg, Germany. Original application filed Jan. 6, 1923, Serial No. 611,190. Divided and this application filed Apr. 20, 1925. Serial No. 24,829. 6 Claims. (Cl. 88—16.2.)

1. The combination with a cinematographic apparatus and a photographic film, of a note band provided with a plurality of notes spaced between the consecutive bars thereof to visually indicate the variations in rhythm of sounds associated with said film, a motor for moving



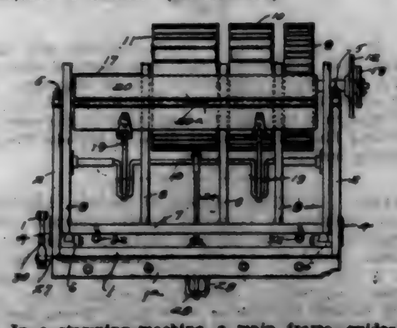
said band past a fixed point, and a commutator switch continuously operated by a moving part of said apparatus and controlling said motor.

1,544,428. HAIR CURLER. Orson W. Bachman, Philadelphia, Pa., assignor of one-half to Alexander H. Boyd, Philadelphia, Pa. Filed June 17, 1922. Serial No. 568,983. 5 Claims. (Cl. 132—41.)



4. In a hair curler, the combination of a hair clamping device comprising a flexible arm and a relatively stiff arm connected at one end of the device and provided with means to detachably connect them at the other end of the device, and a flexible hair confining arm connected to one end of the device and having a hook formed on the free end thereof and adapted to embrace the stiff arm of the device at the other end of the device and thereby be prevented from being disengaged therefrom by the outward bowing of the hair confining arm.

1,544,429. BOX-STAMPING MACHINE. John Brown, Wenatchee, Wash. Filed May 22, 1923. Serial No. 640,750. 9 Claims. (Cl. 101—42.)



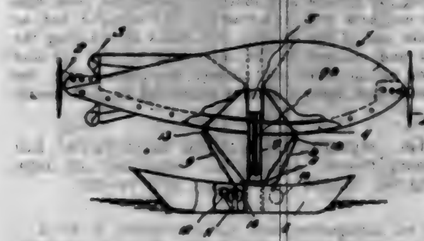
1. In a stamping machine, a main frame, guides adjustable on the main frame, and a stamping frame provided with a marking mechanism movable in a horizontal direction for marking an object and mounted independently of the main frame upon said guides and adjustable therewith.

1,544,430. DRAINER FOR SINKS. Mary B. Brown, Brooklyn, N. Y. Filed Feb. 9, 1924. Serial No. 691,779. 3 Claims. (Cl. 141—11.)



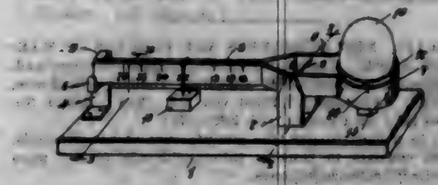
1. A drainer formed from a sheet of flexible material having two sides and an end with two slits extending through said end and a projection extending from that part of the said end between the slits.

1,544,431. AIRSHIP. John Elmer Bootles, Coco Solo, Canal Zone. Filed Sept. 29, 1924. Serial No. 741,857. 2 Claims. (Cl. 244—6.)



2. A dirigible provided with a passenger compartment having a vertical cylindrical guide between its ends, a boat suspended from the under side of said dirigible, a cylindrical stair casing anchored upon the boat and rising from the bottom thereof and extending through an opening in the bottom of the dirigible to telescope into said guide, a stairway arranged within said casing, and means for raising and lowering the boat.

1,544,432. EGG-GRADING SCALE. Gustav A. Carlstedt, Edmonds, Wash. Filed Feb. 2, 1924. Serial No. 690,257. 2 Claims. (Cl. 265—49.)

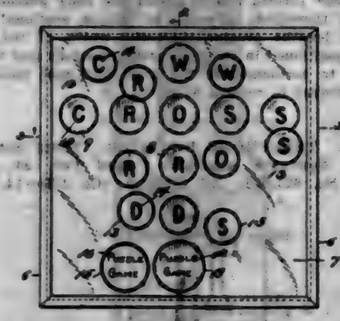


2. A scale having a beam consisting of a strap doubled upon itself to provide a circular enlargement at one end, an article receiving cup pivotally disposed in said enlargement, and a weight on said cup to hold it normally in a vertical position.

1,544,433. REFRACTORY HEAT-INSULATING COMPOSITION, PRODUCTS AND PROCESSES OF MAKING THE SAME. Harold T. Coss, Longpoe, Calif., assignor to The Celite Company, Los Angeles, Calif., a Corporation of Delaware. Filed July 16, 1924. Serial No. 726,349. 19 Claims. (Cl. 25—156.)

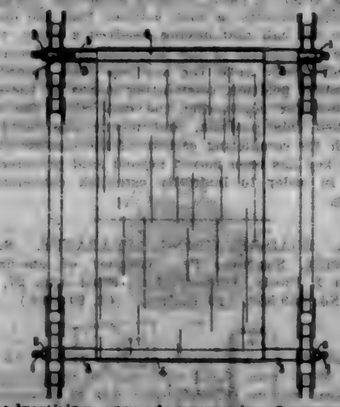
1. A refractory heating insulating material consisting principally of silica in the form of tridymite, produced by calcining fabricated bodies made of a mixture of diatomaceous earth, a catalytic inversion agent and water.

1,544,434. CROSS-WORD-PUZZLE GAME. George D. Dougherty, Post, Tex. Filed Mar. 6, 1925. Serial No. 13,601. 3 Claims. (Cl. 273—115.)



1. A cross word puzzle game of the class specified comprising a bottom serving as a playing field and formed with a series of sockets differently colored and provided with characters thereon, and a plurality of playing pieces of disks form colored similarly to the sockets and bearing corresponding characters thereon.

1,544,435. APPARATUS FOR MOVABLE PUBLICITY. Henri François Etienne Sylvain Dussueris, Paris, France. Filed Apr. 22, 1924. Serial No. 708,287. 1 Claim. (Cl. 40—82.)



In advertising apparatus, a pair of spaced chains, a cross bar between the chains, of less length than the width of the space between the chains, and provided with cylindrical extremities, axle members extending through openings in certain of the chain links and pivotally connecting said links together, said axle members having diametrically enlarged inner portions extending toward each other from the opposing sides of the chains and provided with bores in which the said extremities of said cross bars are fitted, and nuts screwed on said axle members and bearing against the outer sides of the chains.

1,544,436. WIRE SUPPORT. HARRY E. EASTERDAY, Martinsburg, and WILLIAM H. KENNEDY, Bedington, W. Va. Filed Sept. 14, 1922. Serial No. 588,202. 1 Claim. (Cl. 178—321.)



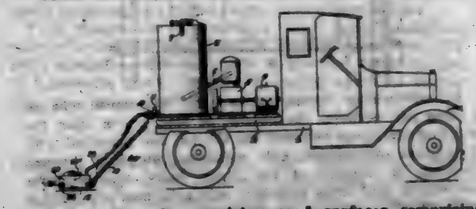
In a supporting device, a circular body portion having a groove formed in its periphery defining spaced flanges, the flanges having registering openings and having relatively straight portions extending to the edges of the flanges, lugs formed integral with the body portion and extending therefrom between the flanges, sectional insulators of lengths greater than the width of the body portion, positioned in the registering openings and having openings to accommodate the lugs, and said insulators having grooves to receive wires.

1,544,437. TELEPHONE REGISTER. DAVID SOLOMON ELLIS, Newtown, Australia. Filed Feb. 24, 1923. Serial No. 621,031. 17 Claims. (Cl. 179—14.)



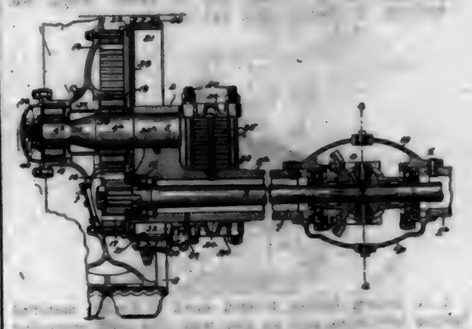
1. An apparatus for registering or counting each effective call made upon telephones including a telephone, various electrical circuits connected with the telephone, an electro-mechanical switch for controlling said circuits, and a removable combined key and counter, said key being adapted to engage with the switch and to be moved therein in order to effect various sequential changes in the electrical circuits in such manner that the operator may make the call and having received a reply, the receiver and transmitter of the telephone are automatically cut out of circuit until the key has been moved to a pre-determined position, cooperating means on the switch and counter for registering the call when the switch has reached this position, and means associated with the switch for completing certain of the electric circuits when the key has been moved beyond said predetermined position, in order to instantly establish conversational conditions.

1,544,438. ROAD-REPAIRING APPARATUS. SAMUEL H. FETTER, Sunbury, Pa., assignor of one-half to Truman J. Purdy, Sunbury, Pa. Filed Aug. 27, 1923. Serial No. 659,553. 10 Claims. (Cl. 94—44.)



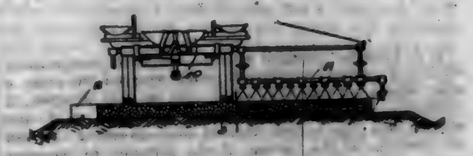
1. Apparatus for repairing road surfaces comprising a weighted smoothing device, a receptacle for repair material thereon, means for discharging the material in regulable quantities from said receptacle onto portions of the road acted upon by the smoothing device, and means for heating said device.

1,544,439. AXLE DRIVE EQUIPMENT FOR MOTOR VEHICLES. EUGENE E. FIELDER, New York, N. Y. Filed July 21, 1921. Serial No. 486,637. 2 Claims. (Cl. 74—7.)



1. In a motor vehicle, the combination of a transverse load supporting member provided with an end arm, a wheel spindle projecting outwardly from said arm, a drive wheel provided with a hub surrounding the projecting portion of the spindle and provided also with an inwardly extending brake drum, a closure disc surrounding the spindle and abutting against the outer side of the end arm and seated within the drum, a nut on the outer end of the spindle, and means surrounding the spindle and engaged at its outer end by the nut and abutting at its inner end against the closure disc, the said wheel hub being rotatably supported by said means.

1,544,440. METHOD OF MAKING ROADWAYS. SAM EVERETT FINLEY, Atlanta, Ga. Filed Dec. 15, 1924. Serial No. 755,986. 4 Claims. (Cl. 94—23.)



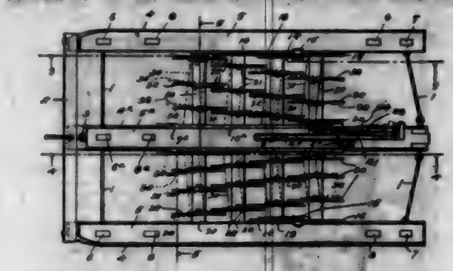
1. The method of constructing roadways comprising placing edge defining forms longitudinally of the road site, spreading mineral aggregate between the forms to the desired depth, compacting the aggregate, removing the forms along the edges, and applying a coating of binding medium to the surface and to the vertical edges of the aggregate layer.

1,544,441. NEW DYESTUFFS AND PROCESS OF MAKING SAME. JAROSLAV FRÖHLICH, Basel, Switzerland, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. Filed Oct. 28, 1924. Serial No. 746,421. 10 Claims. (Cl. 260—23.)

1. As a new process, the manufacture of vat dyestuffs, which consists in causing thionyl-chloride to act upon 2:5-diarylidobenzoquinones.

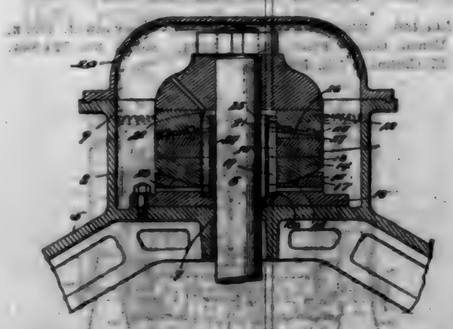
1,544,442. HARROW. ERIK GADDA, Silverton, Oreg. Filed Aug. 2, 1923. Serial No. 655,312. 8 Claims. (Cl. 55—11.)

1. In an agricultural implement of the character specified, a plurality of vertically disposed frames, each of said frames having a runner with its lower edge engaging the ground, upper and lower links connecting the



frames and pivoting them together for universal movement, and earth treating members adjustably mounted upon the frames.

1,544,443. THRUST BEARING. EUGENE U. GIBBS, York, Pa. Filed May 6, 1924. Serial No. 711,441. 7 Claims. (Cl. 64—48.)



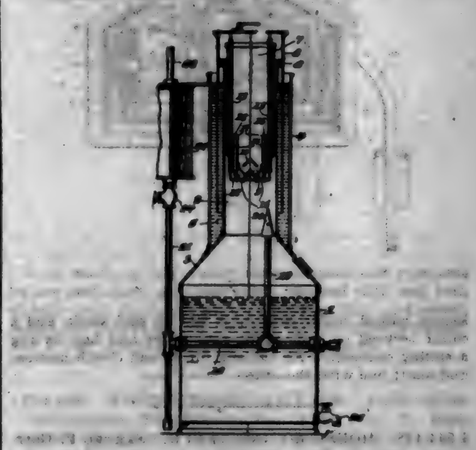
1. In a thrust bearing, the combination of an oil chamber, a shaft extending thereinto, a rotor ring secured to the shaft, a stator ring cooperating with the rotor ring, the rings being located in the oil chamber and having projecting and recessed interacting bearing faces of the same general contour, the projecting bearing face of the one ring being generally of conical contour and radially divided by oil grooves of variable depth throughout their lengths to provide segmental sections each comprising a laterally inclined bearing part with a flat surface and a narrower segmental flat part for circulation of oil and formation of oil films relatively to the said interacting bearing faces of the two rings.

1,544,444. FENDER. MICHAEL K. GILSWICK, New York, N. Y. Filed Mar. 25, 1925. Serial No. 18,217. 3 Claims. (Cl. 293—41.)



1. A fender for vehicles, comprising a fender bar, a supporting bar connected to said fender bar and spaced therefrom, a pair of groups of folding guarding fingers hingedly connected with said supporting bar, a catch for each of said groups of fingers for normally holding the fingers in a folded position, manually actuated means for releasing said catches, and a spring for each of said groups for quickly unfolding the respective groups when the catches are moved to a released position.

1,544,445. GAS GENERATOR. WILLIAM C. GILMORE, Waco, Tex. Filed Nov. 7, 1924. Serial No. 748,460. 2 Claims. (Cl. 48—53.1.)



1. A gas generator of the class described comprising a casing having a water chamber in its lower part, a hopper in its upper part, a water chamber surrounding the said upper part, a bell in said chamber, a valve controlling the outlet of the hopper, a U-shaped rod carrying the valve, the limbs of the U extending above the top of the hopper and adapted to be engaged by the bell, a pair of springs, one on each side of the valve and connected with the bight of the U for holding the valve upon its seat and an outlet pipe connected with the casing for leading the gas from the casing.

1,544,446. ELECTRIC SWITCH. GILBERT W. GOODRIDGE, Fairfield, Conn., assignor to The Bryant Electric Company, Bridgeport, Conn., a Corporation of Connecticut. Filed June 22, 1923. Serial No. 647,115. 8 Claims. (Cl. 200—16.)

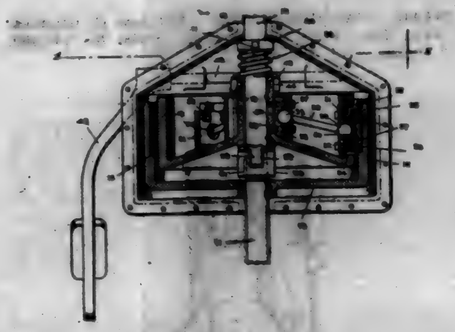


1. An electric switch comprising an insulating body longitudinally divided into base and cover blocks, a slide carried by the cover block, a switch brush slidably mounted on said slide, and a group of contacts mounted on the base block and adapted to be successively engaged by said brush.

1,544,447. CLUTCH. SAMUEL P. GRIFFIN, Orlando, Fla. Filed June 27, 1924. Serial No. 723,754. 2 Claims. (Cl. 192—76.)

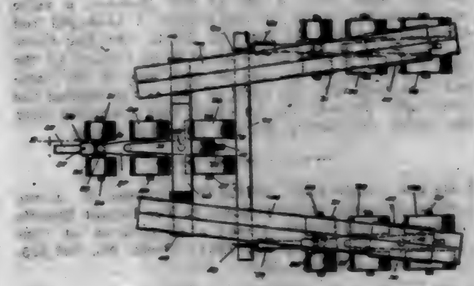
1. A clutch comprising a clutch member having a rim, a shaft, a second clutch member having a hub mounted loosely on said shaft, the second clutch member having a rim, shoes movable in the last named rim

to contact with the first named rim, toggle links connecting said shoes and second clutch member for thrusting the shoes against the first named rim when the



second named clutch member is slid on said shaft, and a collar secured on said shaft, said collar and hub having a sliding connection for turning the second clutch member and shaft one with the other.

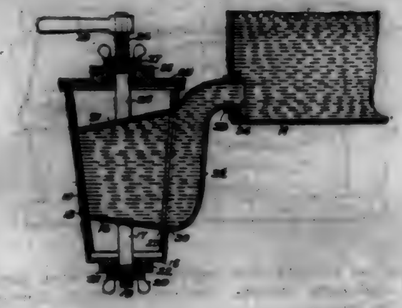
1,544,448. HOUSE-MOVING TRUCK. SAMUEL P. GRIFFIN, Orlando, Fla. Filed Aug. 6, 1924. Serial No. 730,482. 12 Claims. (Cl. 280—33.)



1. A truck of the character described comprising a plurality of pairs of wheels located one behind the other and increasing in diameter from the front wheels rearwardly, an axle for each pair of wheels, means connected to the axles between the wheels of the several pairs and having flexible joints for the angling of the axles about vertical axes relatively to one another and for the oscillation of the axles relatively to one another, and a supporting member carried by said means, said means being arranged for transmitting pressure from said member to the wheels in approximate proportion to the diameters of the wheels.

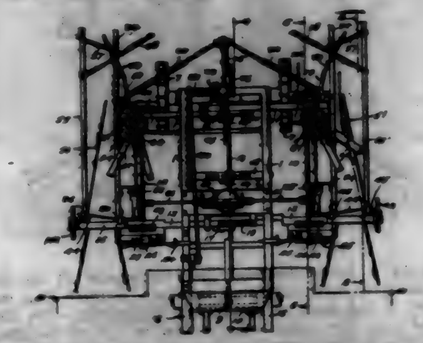
1,544,449. MEASURING FAUCET. CATO HAARSTAD, Fox Lake, Ill., and CHRISTIAN HAARSTAD, Trondhjem, Norway. Filed May 3, 1923. Serial No. 636,450. 6 Claims. (Cl. 221—117.)

1. A measuring faucet comprising a shell having an inlet opening and having two discharge openings, the bottoms of which discharge openings are at different heights, spouts on said shell at the respective openings, and a plug fitting in said shell and turnable therein, said plug having an opening adapted by the turning of



the plug to be brought into register in succession with the inlet opening of the shell and then with either of the discharge openings of said shell for dispensing.

1,544,450. BROOM-CORN TABLER. EDWARD J. HALE, Minco, Okla. Filed July 8, 1924. Serial No. 724,844. 12 Claims. (Cl. 56—23.)



1. A broom corn tabler comprising a main frame, a broom corn brushing mechanism at each side of the main frame, and means to adjust said frame both laterally and vertically to adapt the machine to varying distances between the rows and to varying heights of the grain.

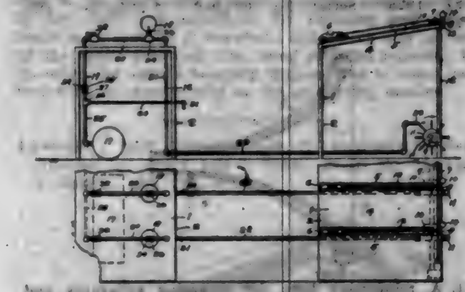
1,544,451. ELECTRODEPOSITION OF CHROMIUM. CARL HAMBUECHEN, Mount Vernon, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed July 5, 1924. Serial No. 724,815. 8 Claims. (Cl. 204—1.)

1. A bath for electrodepositing chromium, containing chromic acid in excess and a soluble metal fluorid, and being substantially free from acids other than chromic.

1,544,452. AMUSEMENT OR GAME APPARATUS. FRANK L. HANNA, San Diego, Calif. Filed July 3, 1923. Serial No. 648,266. 6 Claims. (Cl. 272—36.)

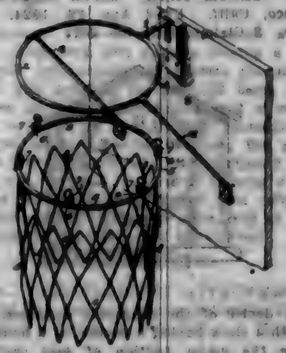
1. An amusement or game apparatus including a frame, a reservoir containing fluid under pressure, a plurality of conduits operatively connected to the reservoir and provided with inflatable bodies, means on each conduit for controlling the fluid to the inflatable body, said conduits terminating at one end of the apparatus in a plurality of discharge nozzles, a plurality of movable devices on the tracks of said frame, and means actuated by the fluid

discharged from the nozzle and in turn operatively connected to the movable devices for moving them along the tracks as the bodies are inflated, said inflatable



bodies discharging their contents through said nozzles after the closing of said controlling means for continuing the operation of said actuating means.

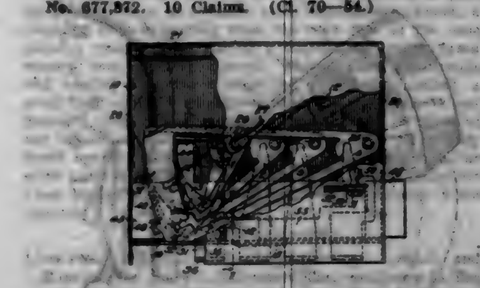
1,544,453. BASKET-BALL GOAL. HOWARD C. HARRISON, Wayne, Pa. Filed Mar. 10, 1925. Serial No. 16,699. 10 Claims. (Cl. 273—127.)



7. A basket ball goal comprising an annular frame, a tubular net, and resilient means for suspending the net from the frame.

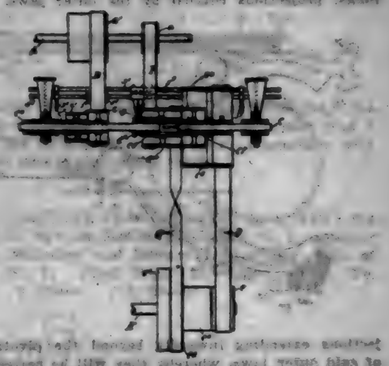
9. A basket ball goal comprising an annular frame, a tubular net suspended from the frame, and a cover element overlying the frame.

1,544,454. COMBINATION LOCK. HUBERT J. HARGRAVE, San Angelo, Tex. Filed Nov. 20, 1923. Serial No. 677,872. 10 Claims. (Cl. 70—54.)



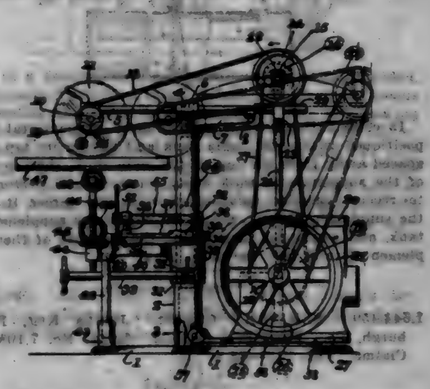
1. A combination lock characterized by the provision of a sliding bolt and a series of tumblers mounted on independent and parallel axes said tumblers having recesses therein adapted to be brought into registry with each other by movement transversely of the line of movement of the bolt.

1,544,455. POWER-TRANSMITTING DEVICE. HOWARD W. HUNT, Cincinnati, Ohio. Filed July 7, 1923. Serial No. 650,035. 8 Claims. (Cl. 74—21.)



1. A shaft, a first pulley slidable upon and rotatable by the said shaft, a second pulley co-axial with and both slidable and rotatable with relation to the said shaft, means for simultaneously shifting the said pulleys axially, and a belt drivable by either of said pulleys.

1,544,456. WOODWORKING MACHINE. MACKINTOSH HUTCHINSON, Philadelphia, Pa. Filed June 15, 1923. Serial No. 645,663. 5 Claims. (Cl. 144—8.)

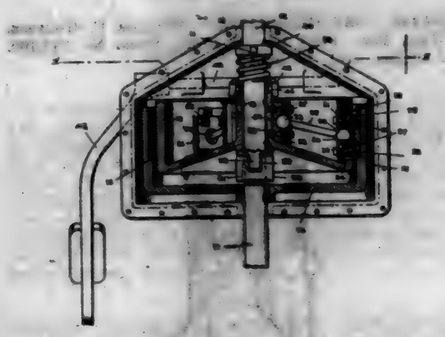


1. A wood working machine comprising a traveling carriage carrying at one end a saw, and a work-table, one adapted to swing relatively to the other in a horizontal plane, a swinging arm connected at its upper end with the traveling carriage and adapted to swing in an arc in reciprocation of the carriage, power receiving and transmission means carried by the upper end of the swinging arm, means connecting the power receiving means with a drive member, a guide in which the power receiving and transmission members have a vertical movement in the reciprocation of the carriage, and means connecting the power transmission means with the cross-cut saw.

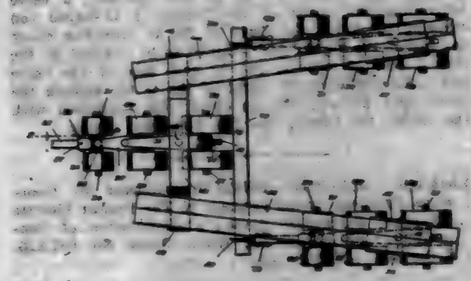
1,544,457. WELL-CASING WRENCH. ALBERT S. JONES, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, New York, N. Y., a Corporation of Tennessee. Filed Apr. 28, 1923. Serial No. 637,064. 8 Claims. (Cl. 81—36.)

1. In a well-casing tongs, the combination of an operating handle, inner opposed gripping jaws operatively connected to said handle, means for yieldingly urging said jaws toward each other, outer opposed gripping jaws

to contact with the first named rim, toggle links connecting said shoes and second clutch member for thrusting the shoes against the first named rim when the second named clutch member is slid on said shaft, and a collar secured on said shaft, said collar and hub having a sliding connection for turning the second clutch member and shaft one with the other.



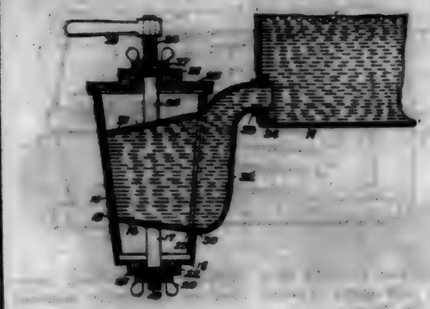
1,544,448. HOUSE-MOVING TRUCK. SAMUEL P. GRIFFIN, Orlando, Fla. Filed Aug. 6, 1924. Serial No. 730,482. 12 Claims. (Cl. 280—33.)



1. A truck of the character described comprising a plurality of pairs of wheels located one behind the other and increasing in diameter from the front wheels rearwardly, an axle for each pair of wheels, means connected to the axles between the wheels of the several pairs and having flexible joints for the angling of the axles about vertical axes relatively to one another and for the oscillation of the axles relatively to one another, and a supporting member carried by said means, said means being arranged for transmitting pressure from said member to the wheels in approximate proportion to the diameters of the wheels.

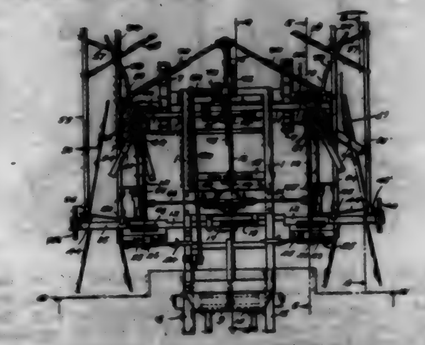
1,544,449. MEASURING FAUCET. CATO HAARSTAD, Fox Lake, Ill., and CHRISTIAN HAARSTAD, Trondhjem, Norway. Filed May 3, 1923. Serial No. 636,450. 6 Claims. (Cl. 221—117.)

1. A measuring faucet comprising a shell having an inlet opening and having two discharge openings, the bottoms of which discharge openings are at different heights, spouts on said shell at the respective openings, and a plug fitting in said shell and turnable therein, said plug having an opening adapted by the turning of



the plug to be brought into register in succession with the inlet opening of the shell and then with either of the discharge openings of said shell for dispensing.

1,544,450. BROOM-CORN TABLER. EDWARD J. HALE, Minco, Okla. Filed July 8, 1924. Serial No. 724,844. 12 Claims. (Cl. 56—62.)



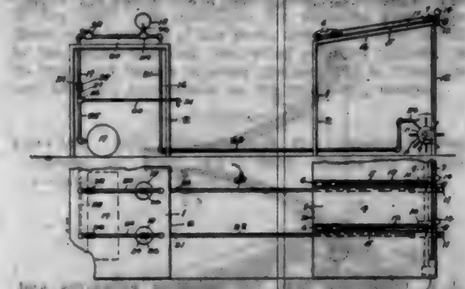
1. A broom corn tabler comprising a main frame, a broom corn brushing mechanism at each side of the main frame, and means to adjust said frame both laterally and vertically to adapt the machine to varying distances between the rows and to varying heights of the grain.

1,544,451. ELECTRODEPOSITION OF CHROMIUM. CARL HAMBUECHEN, Mount Vernon, N. Y., assignor to Electro Metallurgical Company, a Corporation of West Virginia. Filed July 5, 1924. Serial No. 724,515. 8 Claims. (Cl. 204—1.)

1. A bath for electrodepositing chromium, containing chromic acid in excess and a soluble metal fluorid, and being substantially free from acids other than chromic.

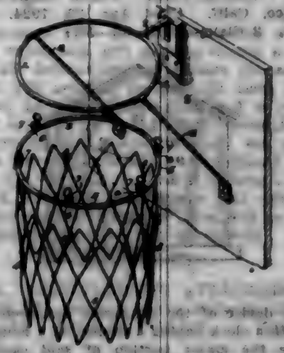
1,544,452. AMUSEMENT OR GAME APPARATUS. FRANK L. HAWES, San Diego, Calif. Filed July 3, 1923. Serial No. 648,206. 8 Claims. (Cl. 273—36.)

1. An amusement or game apparatus including a frame, a reservoir containing fluid under pressure, a plurality of conduits operatively connected to the reservoir and provided with inflatable bodies, means on each conduit for controlling the fluid to the inflatable body, said conduits terminating at one end of the apparatus in a plurality of discharge nozzles, a plurality of movable devices on the tracks of said frame, and means actuated by the fluid discharged from the nozzle and in turn operatively connected to the movable devices for moving them along the tracks as the bodies are inflated, said inflatable



bodies discharging their contents through said nozzles after the closing of said controlling means for continuing the operation of said actuating means.

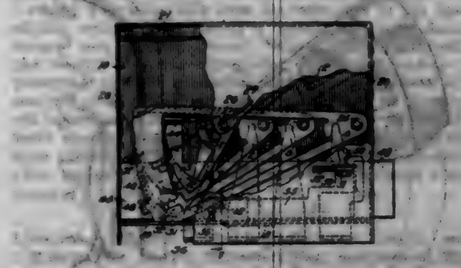
1,544,453. BASKET-BALL GOAL. HOWARD C. HARBISON, Wayne, Pa. Filed Mar. 19, 1925. Serial No. 16,690. 10 Claims. (Cl. 273—127.)



7. A basket ball goal comprising an annular frame, a tubular net, and resilient means for suspending the net from the frame.

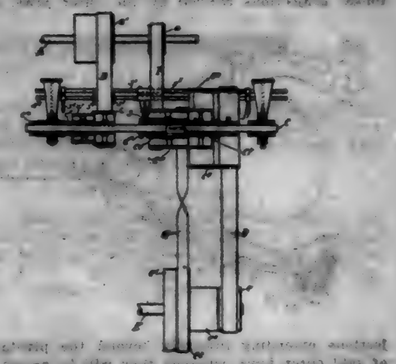
9. A basket ball goal comprising an annular frame, a tubular net suspended from the frame, and a cover element overlying the frame.

1,544,454. COMBINATION LOCK. EVERETT J. HARGRAVE, San Angelo, Tex. Filed Nov. 30, 1923. Serial No. 677,372. 10 Claims. (Cl. 70—54.)



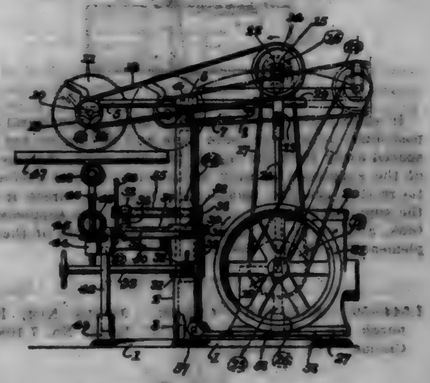
1. A combination lock characterized by the provision of a sliding bolt and a series of tumblers mounted on independent and parallel axes said tumblers having recesses therein adapted to be brought into registry with each other by movement transversely of the line of movement of the bolt.

1,544,455. POWER-TRANSMITTING DEVICE. HOWARD W. HUNT, Cincinnati, Ohio. Filed July 7, 1923. Serial No. 650,035. 8 Claims. (Cl. 74—31.)



1. A shaft, a first pulley slidable upon and rotatable by the said shaft, a second pulley co-axial with and both slidable and rotatable with relation to the said shaft, means for simultaneously shifting the said pulleys axially, and a belt drivable by either of said pulleys.

1,544,456. WOODWORKING MACHINE. MACKINTOSH HUTCHINSON, Philadelphia, Pa. Filed June 15, 1923. Serial No. 645,668. 6 Claims. (Cl. 144—3.)

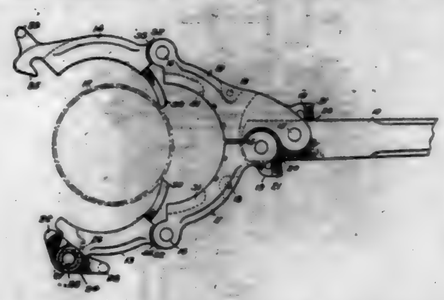


1. A wood working machine comprising a traveling carriage carrying at one end a saw, and a work-table, one adapted to swing relatively to the other in a horizontal plane, a swinging arm connected at its upper end with the traveling carriage and adapted to swing in an arc in reciprocation of the carriage, power receiving and transmission means carried by the upper end of the swinging arm, means connecting the power receiving means with a drive member, a guide in which the power receiving and transmission members have a vertical movement in the reciprocation of the carriage, and means connecting the power transmission means with the cross-cut saw.

1,544,457. WELL-CASING WRENCH. ALBERT S. JONES, Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, New York, N. Y., a Corporation of Tennessee. Filed Apr. 23, 1923. Serial No. 637,664. 8 Claims. (Cl. 81—66.)

1. In a well-casing tongs, the combination of an operating handle, inner opposed gripping jaws operatively connected to said handle, means for yieldingly urging said jaws toward each other, outer opposed gripping jaws

pivotally mounted at their inner ends on the inner jaws, whereby said outer jaws may be opened and closed to permit the work to be inserted in and removed from the tongs, projections carried by the outer jaws, said pro-



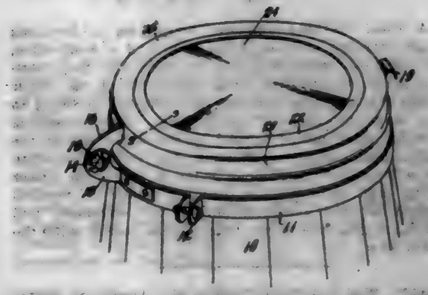
jections extending inwardly beyond the pivotal centers of said outer jaws, whereby they will be moved into the bore of the tongs by opening the outer jaws, and means for releasably locking the outer jaws in their closed position.

1,544,458. GASOLINE RESERVE TANK. ARTHUR ALBERT KIM, Pittsburgh, Pa. Filed Sept. 10, 1923. Serial No. 662,024. 1 Claim. (Cl. 158—46.5.)



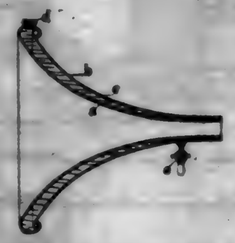
In combination with a main tank, a supplemental tank positioned within the main tank and having its top wall spaced away from the top of the main tank, the top wall of the supplemental tank being concaved and perforated to receive gasoline splashed thereon and direct it into the supplemental tank, means for filling the supplemental tank, and means for discharging the contents of the supplemental tank into the main tank.

1,544,459. SANITARY COVER. JULIUS KIM, Pittsburgh, Pa. Filed Feb. 8, 1925. Serial No. 7,108. 4 Claims. (Cl. 217—63.)



1. A sanitary cover for containers comprising a metallic frame member having an opening, an annular flange surrounding said opening, a convex plate of glass resting on said flange, and a strap resting on the periphery of said plate said strap having an outer flange fitting between the margin of the plate and a flange on said frame, substantially as set forth.

1,544,460. HORN AND AMPLIFIER FOR SOUND-RECORDING AND SOUND-REPRODUCING APPARATUS. GEORGES LAKHOVSKY, Paris, France. Filed Feb. 24, 1923. Serial No. 621,086. 5 Claims. (Cl. 181—27.)



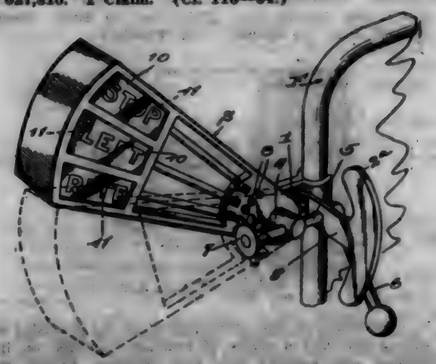
1. A reinforcing horn for recording apparatus and sound reproducing apparatus, comprising a double casing and, in the space comprised between the horn and this double casing, a pasty material having for effect to damp the vibrations which might be transmitted to the horn by the sonorous waves.

1,544,461. CLOCK CASE. RALPH G. LAWRENCE, San Francisco, Calif. Filed Apr. 26, 1924. Serial No. 709,239. 2 Claims. (Cl. 58—56.)



1. In a device of the character described, the combination with a clock having a casing, of a housing adapted to enclose the major portion of said casing, parallel securing bolts mounted within said housing, parallel vertical members disposed on said bolts, a resilient curved piece secured to said parallel members, for the purpose set forth.

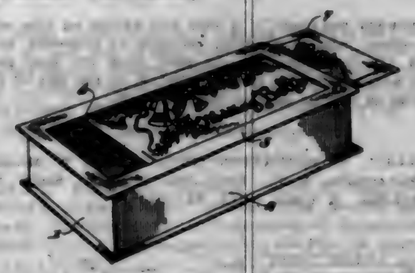
1,544,462. TRAFFIC SIGNAL. CALVIN LAWYER, Newburyport, Mass. Filed Mar. 26, 1923. Serial No. 627,216. 1 Claim. (Cl. 116—54.)



A signal of the class described comprising a supporting member provided with a trunnion and with an outstanding arm, a semaphore having one end portion piv-

otally engaged with the trunnion, a head engageable with the trunnion for holding the semaphore in applied position, a shaft carried by the head and the outstanding arm of the supporting member, coacting means carried by the shaft and semaphore for swinging said semaphore upon rotation of the shaft, and a rock arm carried by the shaft, said rock arm being provided adjacent to its outer end with a laterally disposed lug in close contact with the arm carried by the supporting member.

1,544,463. BOX TOP. BYRON H. LENGSFIELD, New Orleans, La. Filed July 7, 1924. Serial No. 724,713. 2 Claims. (Cl. 229—8.)



2. As an element of a mercantile package, a box designed to be filled with gift articles having a lid containing suitable information to indicate the nature of the aforesaid gift articles, the said lid being provided with a pocket having an open face, and a removable card adapted to be placed in the pocket containing information relative to some special occasion, the said card when in place concealing the said first mentioned information whereby the box may be used in forming a package adapted to be sold as a gift package with reference to special occasions with the card in place, and as a standard staple package when the card is removed.

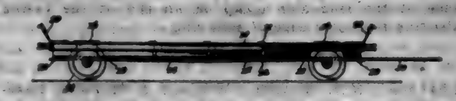
1,544,464. ANTIRATTLING ATTACHMENT FOR WINDSHIELDS. SCOTT B. LONG, Belleville, Ill. Filed Oct. 23, 1923. Serial No. 670,308. 1 Claim. (Cl. 292—218.)



A device for the purpose set forth comprising a base plate adapted to be secured to a windshield support, a threaded stud projecting from the rear face of the base plate, a presser yoke having a central outwardly flared smooth bore opening through which the stud extends and having its ends constructed to engage against a windshield and the windshield support, and a sleeve nut mounted upon the threaded stud and having its forward end tapered and smooth to engage within the rearwardly flared opening in the presser yoke whereby to clamp the same against the windshield and the windshield support when turned home and constitute a pivot therefor when loosened.

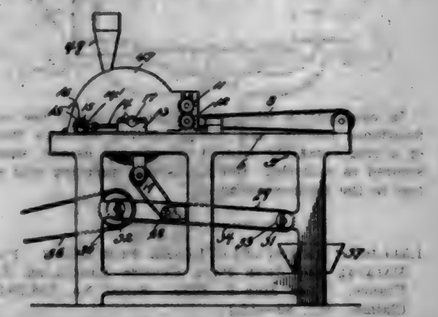
1,544,465. TRUCK. WILLIAM HERBERT LOVELL and MARTIN WM. BROWN, Galveston, Tex., assignors to The Atlas Engineering Works, Galveston, Tex., a Corporation of Texas. Filed July 28, 1924. Serial No. 728,742. 4 Claims. (Cl. 280—102.)

1. A trailer comprising a body having a central longitudinal beam, plates extending across said frame near the ends thereof, supports secured to said plates at opposite sides of said central beam, an upper fifth wheel secured to said supports, a lower fifth wheel pivoting about said upper fifth wheel, a wheeled truck secured



to said lower fifth wheel, means for connecting the lower fifth wheels of both trucks of the trailer, and a draw bar for detachable mounting in connection with either lower fifth wheel of the trailer.

1,544,466. MACHINE FOR TREATING BLANKETS OR FABRICS. EDWARD MCCREARY, Cohoes, N. Y., assignor to John McCreary and Edward J. McCreary, both of Cohoes, N. Y. Filed Sept. 10, 1924. Serial No. 736,942. 9 Claims. (Cl. 26—37.)



1. In a fabric treating machine of the class specified, the combination with a brush cylinder, of conveying means for feeding the fabric to be treated to and withdrawing the treated fabric from the cylinder, and a cast-off organization interposed between the cylinder and the conveying means and including upper and lower rotatable means in inclined relation and having movable endless feeding devices engaging the same and also guard means for preventing the treated fabric from being drawn rearwardly and upwardly within the machine.

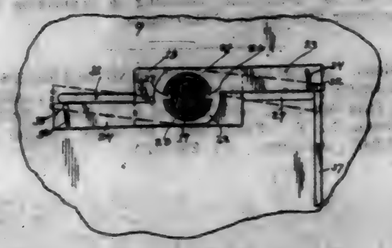
1,544,467. ELECTRIC CUT-OUT. JAMES JOSEPH MCDONALD, Roseville, Calif. Filed Apr. 8, 1924. Serial No. 704,053. 2 Claims. (Cl. 200—44.)



1. A switch of the class set forth comprising a casing, switch means in said casing, a plunger for operating said switch means, a ring in one end of said casing through which said plunger passes, the inner periphery of said ring being provided with a shoulder, spring-projected locking means carried by the plunger for en-

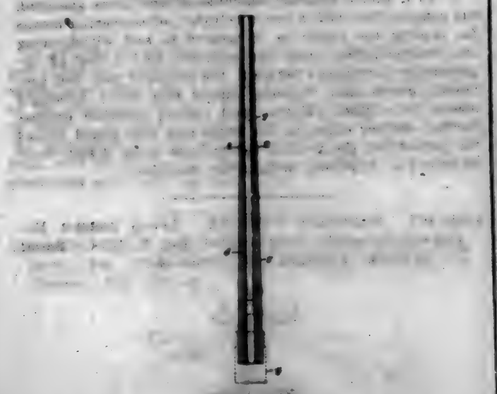
pagement with said shoulder to hold the switch in open position, and means for holding said ring in the casing, said means comprising an internal rib abutting the inner edge of the ring and a cap on an end of the casing abutting the outer edge of said ring.

1,544,468. BEE BOARD. WILLIAM J. MCPHEE, Lakeside, Oreg. Filed July 11, 1924. Serial No. 725,470. 1 Claim. (Cl. 6—4.)



In combination with a bee board having a bee escape positioned therein, and further having openings therein, of a ring rotatably secured to said bee escape, shutters secured to said ring, and means for operating said shutters in the manner specified.

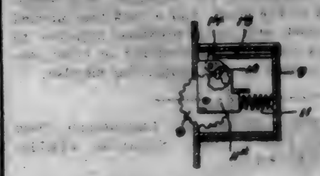
1,544,469. REMOVABLE LINER FOR GUNS. PIERRE MALAVAL and RENÉ PAUL EUGÈNE PAQUELIER, Paris, France. Filed May 6, 1922. Serial No. 558,904. 7 Claims. (Cl. 89—16.)



1. A gun comprising, in combination, a barrel and an elastic metal lining tube within the bore of the barrel, the diameter of the bore of said barrel and the external diameter of the tube being so proportioned that the barrel confines said tube within its elastic limits under the stress of fire while leaving play between the tube and barrel when relieved of such stress, whereby said tube is easily removable.

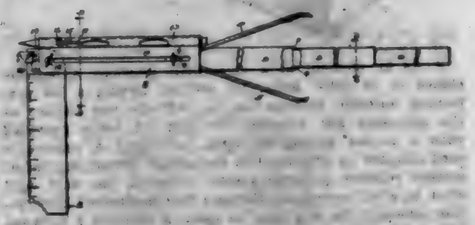
1,544,470. SASH STOP. EDWARD A. MALM, Wadena, Minn. Filed May 14, 1923. Serial No. 638,960. 1 Claim. (Cl. 292—280.)

Stop mechanism for use in the side stile of a sash frame and in cooperation with a sliding sash and a rack at one vertical edge thereof; said stop mechanism constituted essentially of a slotted casing, a spur gear projecting throughout the front wall of the casing, a yoke straddling the spur gear and receiving in its sides the ends of the journal thereof, a spring interposed between the back wall of the casing and the said yoke, a gravitational pawl normally engaging the spur gear to prevent



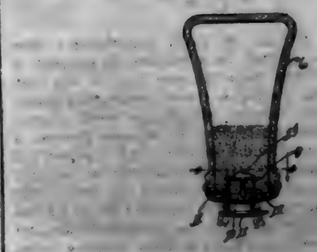
downward movement of a sash and having an arm, and a control member manually movable to cooperate with said arm and disengage the pawl from the spur gear and having a lateral portion movable in the slot of the casing to operate against the pawl arm.

1,544,471. COMBINATION TOOL. GEORGE W. MILLER, Waynesville, N. C. Filed June 2, 1922. Serial No. 562,989. 1 Claim. (Cl. 33—75.)



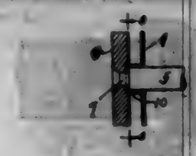
A device for the purpose indicated comprising a stock provided with a longitudinal slot in one edge portion, a blade pivotally connected with the stock at one end thereof and capable of any position between that of perpendicularity to the stock and folded position within the slot, a slide mounted on the blade, and a pencil holder carried by the stock on the edge opposite the slot, means being provided for holding the pencil with the point advanced beyond the edge of the blade when the latter is perpendicular to the slot.

1,544,472. CONDIMENT HOLDER. DANIEL H. MOORE, Portland, Oreg. Filed Mar. 7, 1924. Serial No. 697,584. 1 Claim. (Cl. 65—57.)



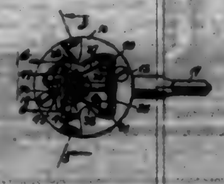
In combination with a condiment holder having an apertured cover, a concave lid for normally engaging the upper surface of said cover, the apertures of said cover being arcuate in shape, a plurality of wires secured to said lid and penetrating the apertures of the cover, the ends of said wires being connected to each other at their free ends so as to form a head, a ring suspended from the under surface of the cover and adapted to be contacted by the head formed by said depending wires when said condiment holder is in an inverted position.

1,544,473. COLLAR BUTTON. WILLIAM NAIRN, Paterson, N. J. Filed Jan. 25, 1924. Serial No. 688,582. 1 Claim. (Cl. 24—100.5.)



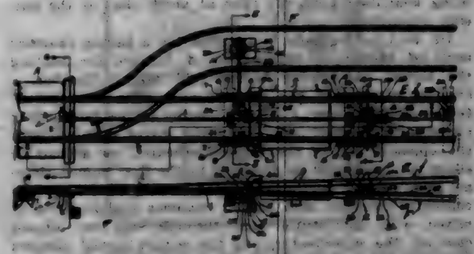
A collar button comprising a shank having a head and back at each end thereof, said shank being reduced at one end thereof, a blank formed with a central depression and outwardly extending wings spaced from the back, said reduced portion of the shank extending through an aperture in the central depression.

1,544,474. ELECTRIC SWITCH. ARVID H. NEMO, New Britain, Conn., assignor to The Arrow Electric Company, Hartford, Conn., a Corporation of Connecticut. Filed Aug. 2, 1921. Serial No. 489,292. 6 Claims. (Cl. 178—346.)



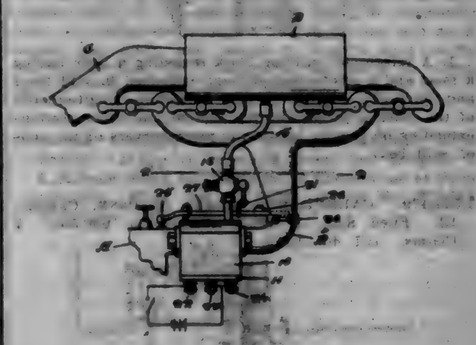
1. An electric switch having a pair of spaced contacts, a spring-yoke switch bar, a pair of pivoted slide plates embraced by said spring yoke, and rotary cam means for simultaneously rocking said slide plates in opposite directions to tension and bias said spring yoke and thereby impart rectilinear movement to the switch bar to make or break connection with the switch contacts.

1,544,475. FEEDER AND SCALE FOR KICKBACK DUMPS. JAMES A. NOLAN, Bowerston, Ohio. Filed Sept. 30, 1924. Serial No. 740,828. 10 Claims. (Cl. 214—2.)



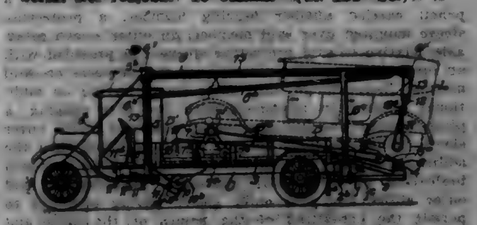
1. In car handling means, in combination with a dump and an approach track leading to the dump and a receiving track leading from said dump, inner stops on the approach track adjacent the dump, outer trip holding stops on the approach track remote from said inner stops, means for closing the inner stops and opening the outer stops as the dump moves into dumping position, means for closing the outer stops after a car has passed between the same independently of the inner stops, the means for opening the outer stops being moved into operative position and the means for closing the inner stops being moved into vertical position to permit opening of said inner stops upon return of the dump to loading position, and means actuated by a car traveling on the receiving track for opening said inner stops.

1,544,476. ELECTRIC VAPORIZER. LEONARD W. OSBORNE, Baltimore, Md., assignor to The Osborne Electro-Gas Vaporizer Company, Baltimore, Md., a Corporation of Maryland. Filed Aug. 22, 1921. Serial No. 494,370. 3 Claims. (Cl. 219—38.)



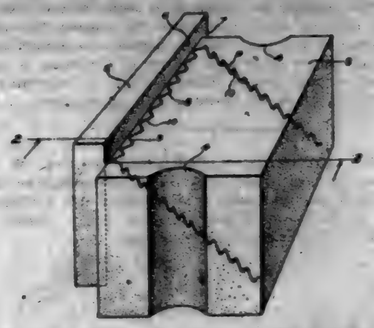
1. A vaporizer for internal combustion engines comprising a casing interposed between the carburetor and intake manifold and communicating with said parts, a tubular member arranged within the casing, a series of screen-like elements positioned within the tubular member, a plurality of rings supporting said screen-like elements within said tubular member, each ring including an inwardly extending flange which together with said screen-like elements retard the flow of fuel through the vaporizer, and a valve controlled air inlet pipe communicating with said tubular member, and heating means arranged within the casing beneath said tubular member.

1,544,477. MOTOR WRECKING TRUCK. JOHN J. PALOTICH, Youngstown, Ohio. Filed Aug. 19, 1924. Serial No. 732,952. 10 Claims. (Cl. 214—38.)



1. A wrecking truck, comprising the combination of a motor vehicle chassis; a standard mounted thereon; a boom horizontally pivoted on said standard; extensible means for supporting the outer end of said boom in any position; a block suspended from the outer end of said boom; means for raising and lowering said block; a track on said chassis extending beyond the rear end thereof; and a carriage movable on said track for the purpose specified.

1,544,478. BUILDING BLOCK. MANFRED D. PAYNE, Newark, N. J. Filed Mar. 18, 1924. Serial No. 700,054. 4 Claims. (Cl. 72—40.)



1. A reinforced building block including a body having a face, and a reinforcing element embedded in said block and having a section thereof extending longitudinally of the block adjacent the top thereof and other sections extending diagonally between opposed corners of the ends of said body.

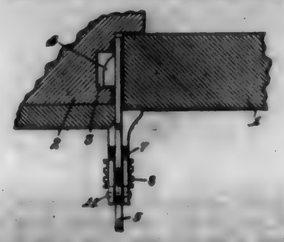
1,544,479. CALENDAR. THOMAS G. PENN, Chicago, Ill. Filed Sept. 1, 1923. Serial No. 660,560. 2 Claims. (Cl. 40—108.)



1. A calendar attachment for pencils comprising, a pencil carried number bearing member, a protecting sleeve mounted over said member, an outer sleeve rotatable relative to said protecting sleeve and provided with an opening to permit exhibition of the numbers on said member therethrough, said outer sleeve having an additional opening in alignment with the first opening, a plate mounted for sliding movement relative to the outer sleeve having numbers thereon to be exhibited thru the additional opening at predetermined times, day and month indicating plates slidably supported inwardly of said outer sleeve and said outer sleeve having openings to permit the exhibiting of the names of the days and months therethrough.

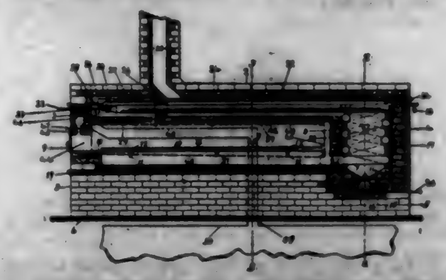
1,544,480. DOOR-SECURING MEANS. HECTOR Q. RACER, Atlantic, Mass., assignor to Raymond K. Hoyt, Atlantic, Mass. Filed Sept. 10, 1924. Serial No. 736,988. 2 Claims. (Cl. 292—298.)

1. A door securing device comprising a toothed bar having a lateral projection, a member slidable on said bar and adapted to be positioned against the inner face of a door, a rotary spirally ribbed member mounted in and connected to the slidable member to enable its ribs to work in the interdental spaces of the bar, and adjustable means on the slidable member at the opposite side of the bar to the rotary member and adapted in one position



to maintain the rotary member in engagement with the teeth of the bar and in another position to permit of movement of the slidable member at right angles to the length of the bar and movement of the rotary member out of engagement with the teeth of the bar.

1,544,481. BAKING BREAD AND OTHER ARTICLES. LOUIS CHARLES ENNES, Saginaw, Mich. Filed Mar. 4, 1922. Serial No. 541,035. 10 Claims. (Cl. 107—55.)

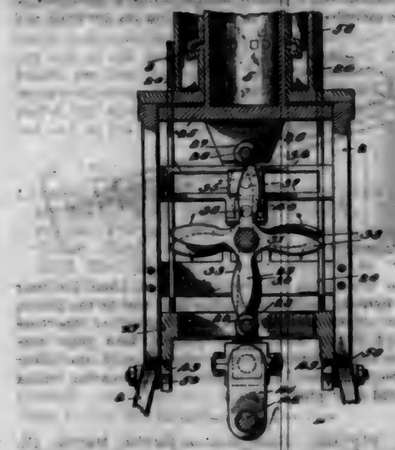


1. The method of baking which consists in withdrawing gaseous fluid from the baking chamber by the injector action of a jet of gaseous fluid under pressure, superheating the mixture of the gaseous fluid from the jet and of the gaseous fluid from the baking chamber, and returning the superheated mixture to the baking chamber.

4. The method of baking which consists in withdrawing gaseous fluid from the baking chamber by the injector action of a jet of a gaseous fluid under pressure, superheating the mixture of the gaseous fluid from the jet and the gaseous fluid from the baking chamber, and returning the superheated mixture to the baking chamber, the pressure of the gases within the said baking chamber being kept during all the time at about that of the outside atmosphere.

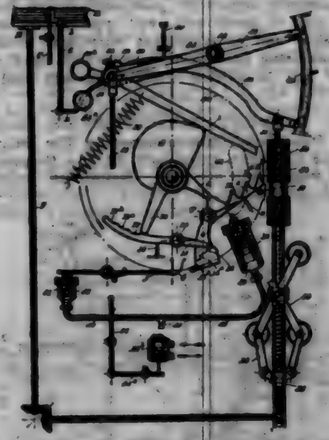
10. In a baking oven, in combination a baking chamber enclosed therein, a superheater, a furnace for heating the latter, an opening in the said baking chamber, a channel connecting the said opening with one end of the said superheater, a second opening in the said baking chamber, a channel connecting the latter opening with the opposite end of the said superheater, an adjustable steam jet ventilator so arranged in the first named channel as to draw a portion regulated thereby of the gaseous contents from the said baking chamber and to drive it mixed with the steam used through the first named channel, the superheater, and the second named channel back into the said baking chamber, a third opening in the latter, a channel connected to this opening and ending in the open air below the bottom of the said baking chamber, means for regulating the amount of surplus gases escaping from the latter through the last named opening, and an apparatus enclosed in the last named channel for using the heat contained in the gases passing therethrough.

1,544,482. INTERNAL-COMBUSTION MULTISTROKE ENGINE. CHARLES REINEKE, New York, N. Y., assignor to The Reineke Motor Corporation, New York, N. Y., a Corporation of Delaware. Filed July 17, 1920, Serial No. 396,902. Renewed Apr. 9, 1925. 15 Claims. (Cl. 74—14.)



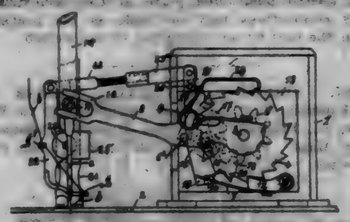
8. In an internal combustion engine, the combination with a cylinder of opposed pistons arranged therein, a power shaft, a crank for said shaft, and means interconnected with each of the aforesaid pistons and the crank for imparting a multiplicity of strokes of the pistons to the crank for effecting a single revolution of the power shaft, said means including a movable cross-head, oppositely sliding blocks arranged therein, and oppositely revoluble cams connected to said blocks and operably associated with the aforesaid pistons.

1,544,483. SPEED-CONTROLLING DEVICE FOR RAILWAY, TRAMWAY, AND SIMILAR TRAINS. ELOI RODOLAUSSE, St.-Antonin, France. Filed May 22, 1922. Serial No. 563,149. 5 Claims. (Cl. 246—182.)



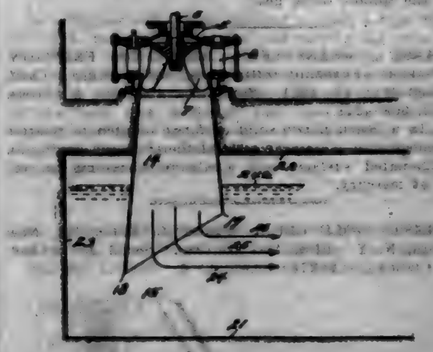
4. In a speed controlling device of the character described, two rocking lugs on the track, comprising each a horizontal shaft, a sleeve loosely mounted on said shaft, a metal blade carried on said sleeve, a coiled spring for maintaining said blade in a vertical position, a crank arm on said sleeve, a dashpot, and a piston reciprocating in the dashpot to check the velocity of the return motion of the blade into its vertical position, said crank arm being pivotally connected to the piston rod.

1,544,484. EMBROIDERY-COUCHING MACHINE. GABRIEL CASIMIR ROSSE, Bordeaux, France. Filed June 21, 1923. Serial No. 646,882. 2 Claims. (Cl. 112—100.)



1. The combination with a sewing machine sewing a straight line of stitches and having a needle-bar and presser foot; of a pivoted lever for laying an embroidery cord, an anchor mechanism, a link connecting said mechanism and lever, and means to operate said anchor mechanism upon the formation of each stitch to vibrate said lever across the line of stitching.

1,544,485. DRAFT TUBE FOR HYDRAULIC TURBINES. JAMES D. SCOVILLE, York, Pa., assignor to S. Morgan Smith Co., York, Pa., a Corporation of Pennsylvania. Filed Dec. 7, 1922. Serial No. 606,144. 16 Claims. (Cl. 253—17.)



1. An elbow draft tube comprising a primal tube member to receive the water from a turbine, and an angular member, the primal member being diverged and decreasing in length towards its discharge extremity in the downstream direction of the angular member.

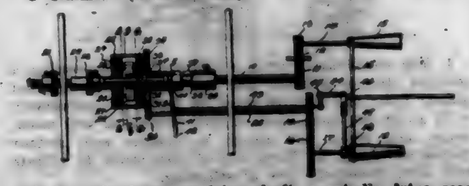
1,544,486. SWITCHING DEVICE FOR RADIO SETS. JACOB SMELAK, New York, N. Y. Filed May 31, 1924. Serial No. 717,054. 1 Claim. (Cl. 250—14.)



In a radio set comprising a cabinet, a removable unit, an insulating plate mounted on the cabinet, a multiblade switch element mounted on the insulating plate, to which switch element a plurality of wires is adapted to

be connected, an insulating plate mounted on the movable element and adapted to be alined with the plate on the cabinet, and a plurality of co-operating switch elements on the second mentioned plate of the removable unit whereby connections may be made to the plurality of wires on the unit by one operation of the switch.

1,544,487. SPINNING MACHINE. WILLIAM SHAW, Sr., Esmond, R. I., assignor of one-third to William Shaw, jr., Esmond, R. I., and Manuel B. Sousa, Fall River, Mass. Filed Jan. 6, 1923. Serial No. 611,045. 3 Claims. (Cl. 118—33.)

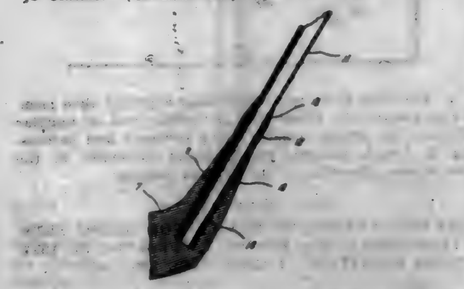


1. In a fly frame, a drive shaft, a spindle drive gear keyed to the shaft, a bobbin drive gear rotatably mounted upon the shaft, a top and bottom cone, means for driving the drive shaft and spindle drive gear and the bobbin drive gear at the same rate of speed from the cones and means for driving the bobbin drive gear at an increased rate of speed in relation to the drive shaft and the spindle drive gear.

1,544,488. MEANS FOR REDUCING FRICTION. CHARLES FREDERIC SHERWOOD, Mill Valley, Calif. Filed Mar. 17, 1921. Serial No. 453,189. 8 Claims. (Cl. 308—241.)

1. In a bearing, two solid surfaces adapted to relative movement and a layer of a metal therebetween having an amalgamated surface, said amalgam containing an excess of mercury.

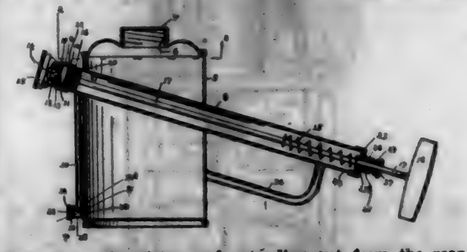
1,544,489. GOLF CLUB. FRANK L. SLAZENGER, New York, N. Y. Filed May 5, 1925. Serial No. 28,196. 3 Claims. (Cl. 273—80.)



1. A golf club comprising a head having a shank provided with a tapered socket, a tubular metal shaft, and and a metal sleeve cast on the lower terminal of said shaft, said sleeve being tapered downwardly to wedge tightly into said socket and having screw-threads engaging the head.

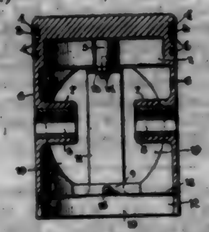
1,544,490. SPRAYER. DE WANE B. SMITH, Utica, N. Y.; Golden R. Smith, Myron H. Smith, Alfred P. Smith, and Jessie A. Richards, executors of said De Wane B. Smith, deceased, assignors to D. B. Smith & Company, Inc., Utica, N. Y., a Corporation. Filed Dec. 9, 1921. Serial No. 521,120. 4 Claims. (Cl. 299—97.)

1. In a sprayer the combination of a liquid receptacle having a filler opening with a removable cap, a pump cylinder extending through and secured to the upper part of the receptacle and having a relatively small outlet at its forward end forming a valve seat, the rear end of said pump cylinder extending a substantial distance rearwardly of said receptacle and forming the handle of the device, a check valve seating rearwardly on said seat of the forward outlet, a piston reciprocatingly mounted in said pump cylinder, a piston rod having its forward end



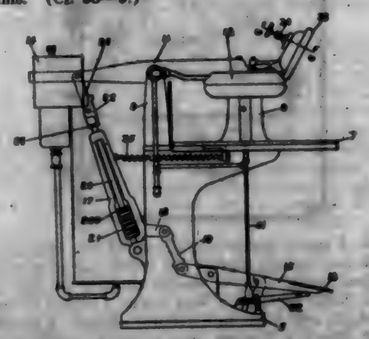
fastened to the piston and extending out from the rear end of the cylinder, a handle on the rear end of the piston rod, a rear closure for the cylinder having an aperture guiding and fitting the piston rod, a feed pipe connecting the forward part of the cylinder with the lower part of the receptacle and a rearwardly seating check valve in said feed pipe.

1,544,491. PISTON. EARL HILLIS SMITH, Marion, Ill. Filed May 28, 1924. Serial No. 716,595. 6 Claims. (Cl. 74—108.)



1. In a piston of the character set forth, a head having diametrically oppositely positioned spaced depending wings, a pair of semicircular end opposed members positioned below and in alignment with said wings, and means connecting each member with said head whereby the same may be shifted laterally beneath said wings.

1,544,492. GARMENT-PRESSING DEVICE. ARTHUR E. SNOW, Cincinnati, Ohio, assignor to The Daly Manufacturing Company, Cincinnati, Ohio, a Corporation of Ohio. Filed May 24, 1922. Serial No. 563,239. 2 Claims. (Cl. 68—9.)

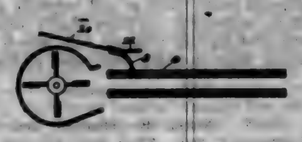


1. In a garment press the combination of a base, an elongated yoke having its one end pivotally mounted upon the base at the rear thereof, said pivoted end of the yoke being provided with a forwardly extending arm, the ends of the yoke being provided with alined bores, a rod reciprocally received in the bores in the yoke, a washer mounted on the rod intermediate the ends of the yoke, a spring extending about the rod and having its opposite ends in engagement upon the washer and the pivotally mounted end of the yoke, a presser arm pivotally supported by the base, a link pivotally connecting one end of the presser arm and the end of the rod adjacent the free end of the yoke, a foot lever pivotally mounted intermediate its ends at the front of the base, and a link pivotally connecting the arm on the yoke and one end of the foot lever.

1,544,493. PROCESS FOR THE RECUPERATION OF METALS FROM WASTE PRODUCTS. HENRI PAUL SOULIÉ-COTTINEAU, Villefranche, France, assignor to Le Cuivre Natif, Paris, France, a French Company. Filed Mar. 28, 1925. Serial No. 19,143. 7 Claims. (Cl. 75—18.)

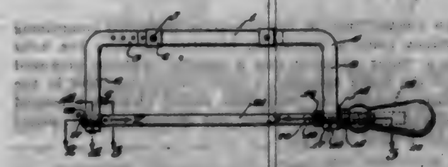
1. A process for the recuperation of metals contained in waste-products in the form of silicates, consisting in subjecting said waste-product in a pulverized form, together with a small proportion of fluor-spar, to the action of an acid for the purpose of disaggregating the silicates, oxidizing the metals liberated and dissolving them in the excess acid.

1,544,494. ATTACHMENT TO THE GRAIN-CLEANING DEVICE OF A GRAIN-HARVESTING MACHINE. ARTHUR GUSTAV HENRY SPOEHR and AUGUST CARL EDARDT SPOEHR, Mintaro, South Australia, Australia. Filed Mar. 7, 1925. Serial No. 13,822. 3 Claims. (Cl. 130—18.)



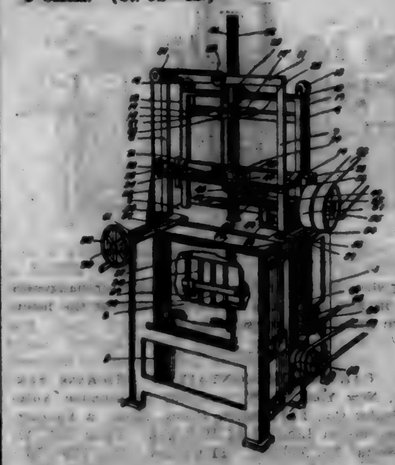
1. An attachment for a sieve of a grain separator, comprising a curved sheet of perforated material provided at its lower edge with means whereby it may be held in engagement with the receiving end of the sieve with its convex side facing in the direction of travel of the grain.

1,544,495. HACK-SAW FRAME. CLIFFORD SPRAGUE, Nederland, Colo. Filed June 28, 1923. Serial No. 648,835. 4 Claims. (Cl. 145—34.)



1. A hack saw frame including a back having parallel legs, a bolt provided with a diametrically extending opening adapted to receive one of said legs therethrough, means on said bolt for clamping against the edges of the leg, a substantially cylindrical member provided with a diametrically extending opening adapted to receive the other leg of the frame, and saw connecting means carried by said bolt and member.

1,544,496. DIPPING AND DRYING MACHINE. JOHN J. STARKS, Kansas City, Mo., assignor to The Starks Manufacturing Co., Kansas City, Mo., a Corporation of Missouri. Filed Nov. 27, 1922. Serial No. 603,476. 1 Claim. (Cl. 91—42.)



In a dipping and drying machine, a tank, a cage within the tank, means for lowering and raising the cage into and from a bath of liquid contained within the lower portion of the tank, means for rotating the cage when it is above the bath, a conduit having intake from the bottom of the tank and discharge into the tank above the level of the bath, and a pump in said conduit whereby the bath liquid is constantly circulated during operation of the machine.

1,544,497. SELF-TIGHTENING ROPE DRUM. WYATT C. STARR, Lake Wales, Fla. Filed Mar. 19, 1924. Serial No. 700,293. 5 Claims. (Cl. 254—147.)

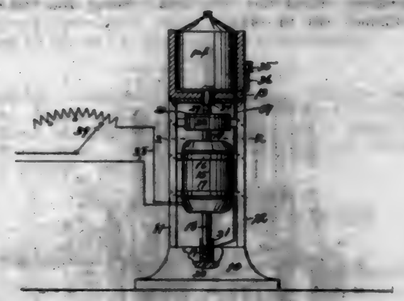


1. In a device of the class described, a drum supported for rotation and including a reduced extension provided with a ratchet spaced from one end of the drum, a rotatable member journaled on the extension and held by the ratchet in close relation to said end of the drum, the rotatable member having an outstanding arm, a pawl pivoted to the arm and cooperating with the ratchet, a removable prop engaging the arm, and a looped flexible element having its ends connected respectively to the drum and to the rotatable member.

1,544,498. CREAM SEPARATOR. GARROT E. STRUTHERS and RAY M. STEMAN, Walnut, Iowa. Filed Aug. 28, 1922. Serial No. 584,626. 1 Claim. (Cl. 74—7.)

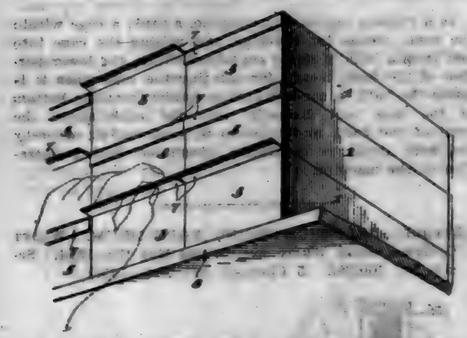
In a driving mechanism, a frame and a shaft substantially centrally thereof, a motor mounted in said frame and having a shaft substantially in alinement with the first shaft, a gear case on said frame in which said shafts are journaled, an internal gear rotatably mounted in said case, pinions fixed on the shafts concentrically of said internal gear and removable and replaceable rel-

sitive to the respective shafts, said case being formed with an assortment of arbor seats concentrically of said shafts and at different distances therefrom, and pinions



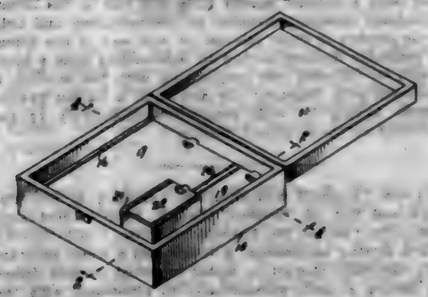
of varying sizes having arbors adapted for interchangeable mounting in said seats and adapted to connect the internal gear to the pinions on said shafts.

1,544,499. CARTON OR CONTAINER. RICHARD SUNDERMAN, New York, N. Y., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich., a Partnership Association Limited of Michigan. Filed Oct. 11, 1921. Serial No. 506,957. 11 Claims. (Cl. 229—16.)



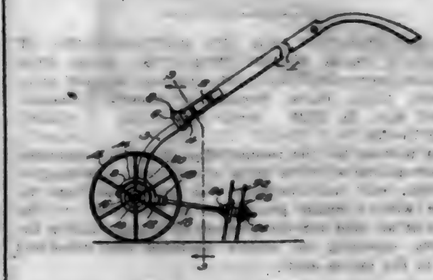
6. A carton provided with a closure flap having a part inserted within the carton and a part substantially forming one end of the same, and a flap smaller than the end forming part of the closure flap, sealed thereon over the inserted part and serving as a pulling tab when unsealed.

1,544,500. GAME APPARATUS. EMMA LAURENS SWENT, Wallace, Idaho. Filed Nov. 20, 1921. Serial No. 518,780. 5 Claims. (Cl. 217—7.)



1. A game apparatus of the class described including a receptacle having a main compartment provided with a removable cover, the bottom of said compartment being adapted to constitute a spinning board, said receptacle having a smaller covered compartment for marbles at a side of the main compartment and extending a portion of the length of said main compartment, there being a vertical partition between said compartments and a separate removable box in said receptacle and fitting therein at an end of the second compartment alongside the main compartment.

1,544,501. ROTARY CULTIVATOR. AUGUST JOSEPH TEDERS, Kendallville, Ind., assignor of one-half to Clarence Joseph Teders. Filed July 17, 1924. Serial No. 726,558. 5 Claims. (Cl. 97—38.)



1. A rotary cultivator comprising a pair of handles and a straight transverse bar connecting the front ends thereof, a pair of horizontally spaced arms projecting forwardly from said bar and means connecting said arms with said bar for adjustment along the length of the latter, a pair of vertically disposed shaft carriers to which the front ends of said arms are adjustably pivoted for vertical movement, said carriers having longitudinally disposed shaft bearings and laterally projecting wheel spindles, implement carrying shafts rotatable in said bearings and having pinions, and wheels on said spindles having gears meshing with said pinions.

1,544,502. IRON. NOBLE B. THOMAS and OTHO M. SMITH, Logansport, Ind. Filed Nov. 22, 1921. Serial No. 517,008. 1 Claim. (Cl. 219—25.)

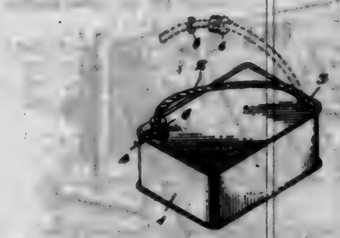


An electric iron of the character described comprising a hollow body, a horizontal partition dividing the body into a water chamber and a heating chamber arranged above the water chamber, a fixed contact arranged in the heating chamber, an expandible switch element arranged to engage said fixed contact and manual control means for the switch element.

1,544,503. CAN. VOLNEY WAYNE THOMSON, El Paso, Tex. Filed Apr. 19, 1924. Serial No. 707,754. 2 Claims. (Cl. 221—25.)

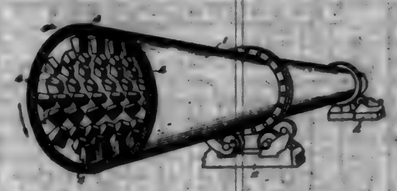
2. In combination, a container, a flexible elongated discharge member secured at one end to a normally upper part of the container, a nipple extending from the normally upper part of the container in spaced relation to the junction of the container and the discharge member, said discharge member being of sufficient length

to permit of the insertion of the normally free end thereof in the nipple, a cap slidable on the discharge member and threadedly engageable with the nipple, and



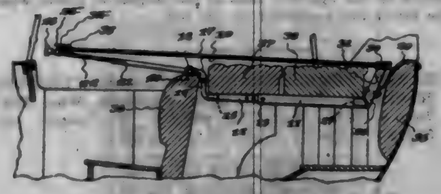
a packing washer carried by said discharge member in position to be clamped by said cap against said nipple when the cap is engaged with the nipple.

1,544,504. ROTARY KILN. CLIFFORD J. TOMLINSON, West Allis, Wis. Filed Oct. 30, 1923. Serial No. 671,774. 11 Claims. (Cl. 222—7.)



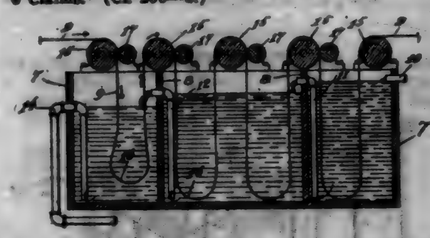
2. In a rotary kiln, a refractory kiln lining of inwardly presented projections, each of said projections including a plurality of heat absorbing faces, and each of said projections including a cutting edge presented in the direction of rotation of the kiln, and a flaring plowing surface adjacent the cutting edge, said projections being capable of passing through the matter being heated without propelling the same.

1,544,505. AUTOMOBILE CAMP BED. WILLIAM H. TOPP, Chicago, Ill. Filed Mar. 17, 1923. Serial No. 625,874. 7 Claims. (Cl. 5—118.)



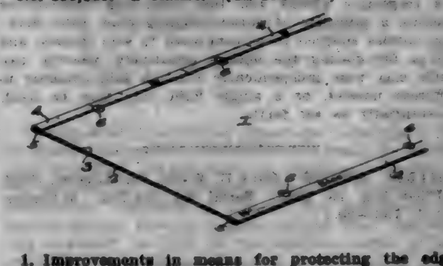
7. A camp bed comprising a pair of laterally spaced side rails composed of longitudinally adjustable sections, upstanding front and rear end pieces carried by said rails and having detachable connections therewith, suspension means carried by the rear end piece, a cross-rail connecting the front end pieces and removably attached thereto, a forwardly and longitudinally extending arm pivotally connected to the cross-rail intermediate the ends thereof, said arm having an outer section which is adjustable lengthwise, means for locking the arm in rigid position, a bed bottom consisting of a fabric sheet, cross-bars fitted to the ends of said sheet, means for detachably connecting one of said cross-bars to the aforesaid rear end piece, and means for detachably connecting the other cross-bar to the outer section of the aforesaid arm.

1,544,506. METAL-PICKLING PROCESS. JOHN B. TYTUS, Middletown, Ohio, assignor to The American Rolling Mill Company, Middletown, Ohio, a Corporation of Ohio. Filed Apr. 4, 1923. Serial No. 629,764. 6 Claims. (Cl. 266—8.)



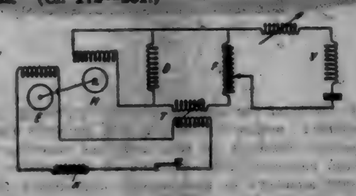
6. A process of pickling sheet metal, which consists in joining sheets together end for end to form a continuous strip, and feeding said strip over a series of driven drums between which the strip hangs in loops, said loops depending into separated baths of pickle liquor, through which pickle liquor flows in a counter-direction to the direction of feed of the strips.

1,544,507. BINDER FOR FLOOR COVERINGS. ARTHUR E. VAN BIBBER, Philadelphia, Pa., assignor to The Congoleum Company, Philadelphia, Pa., a Corporation of Pennsylvania. Filed Apr. 5, 1921. Serial No. 458,843. 2 Claims. (Cl. 154—49.)



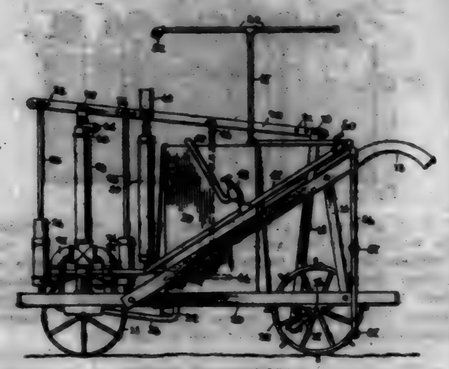
1. Improvements in means for protecting the edges of floor coverings, comprising a temporary binder secured to the underside of the floor covering at each longitudinal edge with its free edge turned over the edge of the floor covering and detachably secured to the face thereof.

1,544,508. ARRANGEMENT FOR GENERATING HIGH-FREQUENCY ENERGY. GEORG VON ARCO, Berlin, Germany, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallescher, Berlin, Germany, a Corporation. Filed Aug. 3, 1922. Serial No. 579,501. 5 Claims. (Cl. 172—281.)



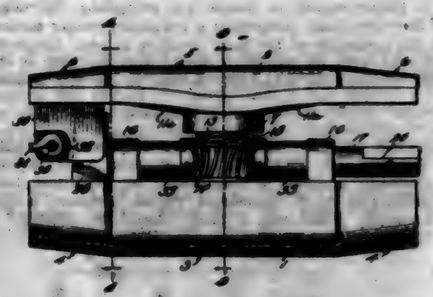
1. An arrangement for generating high frequency energy, comprising a first generator, an output circuit coupled to said first generator, a transformer requiring a high magnetising current in said output circuit, a second generator, adjustable means connecting said generators together so that the phase relation of their generated voltages may be varied from 90°, and means for coupling said second generator to said output circuit to improve the power factor in said first generator.

1,544,509. SPRAYING MACHINE. GROVER C. VOWELL, Ellenton, Fla., assignor of one-half to W. H. Brown, Manatee County, Fla. Filed July 19, 1923. Serial No. 652,569. 10 Claims. (Cl. 299—46.)



1. A convertible spraying device comprising containers for a variety of liquid supplies, a plurality of pumps, a chamber having compartments in communication with the respective pumps and the containers appurtenant thereto, a plurality of outlets leading from said chamber, nozzles adapted to be connected to said outlets, and means for closing the outlets selectively whereby two fluids may pass independently through said chamber to different nozzles, or a single fluid only may be used, substantially as set forth.

1,544,510. SWAGE. JOHN H. WARE, Los Angeles, Calif. Filed Aug. 16, 1922. Serial No. 657,753. 4 Claims. (Cl. 153—80.)



1. A device of the class described comprising cooperating members; means for moving said members apart; interengaging elements on said members coacting to prevent said members from swinging on said means, and to hold said members in parallelism; and means for moving the device bodily, said means being connected to one of the aforesaid interengaging elements.

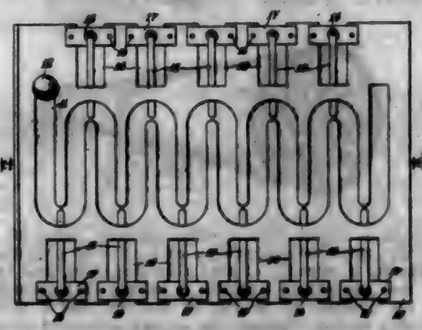
1,544,511. GAME. CARL H. WHITNEY, Craig, Nebr. Filed Nov. 17, 1920. Serial No. 678,811. Renewed May 22, 1925. 5 Claims. (Cl. 273—126.)

3. In games, a board having game-piece receiving pockets, separated by hazards in the form of partitions loosely connected with the board at one end, and adapted to rest at the other on a table or other support for



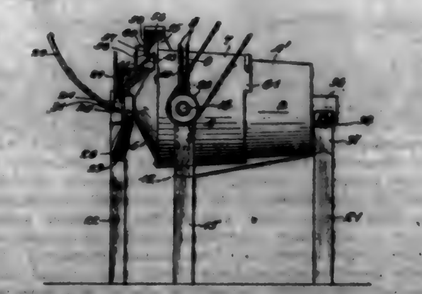
the board, and movable to increase or diminish the hazard at any selected pocket.

1,544,512. TOY DEVICE. MAX WEISS, New York, N. Y. Filed Apr. 20, 1923. Serial No. 24,224. 5 Claims. (Cl. 46—46.)



1. A toy comprising an inclined member provided with a tortuous open guide-way to receive a ball designed to roll from top to bottom of said member and to project thru the guide-way, said member being provided with inwardly directed recesses along each of the side edges, levers oscillating within the said recesses, pivotally secured to said member and having an end disposed in the path of said ball for contact therewith, and means actuated by the opposite ends of the respective levers when the latter are oscillated by the ball.

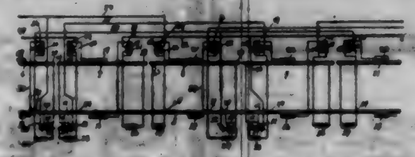
1,544,513. TUMBLING AND SAND-BLAST CLEANING MACHINE. JOSEPH P. WILD, Waukesha, Wis. Filed July 6, 1923. Serial No. 649,819. 25 Claims. (Cl. 51—13.)



1. In a cleaning machine, the combination of a rotatable tumbling drum one end of which is open, supported so as to be tilted about an axis located between the

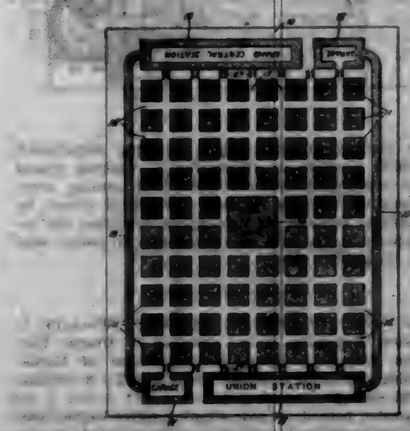
ends of the drum, a support for arresting and supporting the drum in a determined position for rotation and a hinged closure for the open end of the drum supported independently of the drum.

1,544,514. AUTOMATIC TRAIN STOP. JOHN H. WRIGHT and BRUCE H. GROVE, Byron, Calif. Filed Feb. 21, 1924. Serial No. 694,219. 8 Claims. (Cl. 246—49.)



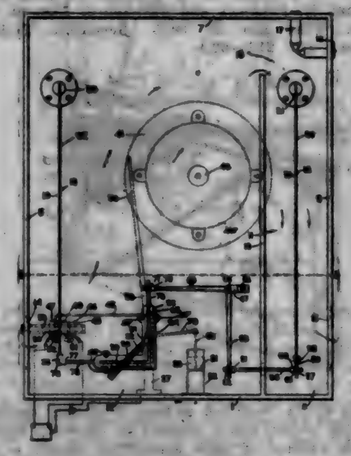
2. In an automatic train control system the combination with a continuous rail, a sectional rail parallel to the continuous rail, the sections of said second mentioned rail forming block sections insulated one from the other, a track relay comprising a coil, an armature and a contact, one end of said coil being connected to the continuous rail, the opposite end of this coil being connected to one end of one of said rail sections, a control battery having one side connected to the armature of said track relay, the contact of said track relay being electrically connected to the coil of a control relay in distant blocks in opposite direction from the said track relay, a control relay comprising a coil, an armature and a contact, said armature and said coil being electrically connected to said continuous rail and the opposite side of said control battery, the opposite side of said last mentioned coil being electrically connected to the contact of the track relay in the third block of the system and to the coil of a second contact relay located adjacent the rear end of the fifth rail section, a ramp positioned parallel to said continuous rail, the contact of said control relay being electrically connected to said ramp, the contact of said track relay being electrically connected to the coils of the control relays located adjacent the second rail sections of either side of the rail section having the above mentioned track relays connected thereto.

1,544,515. GAME. GEORGE BRANNING, Ross Township, Allegheny County, Pa., assignor to Nellie Branning, Pittsburgh, Pa. Filed May 28, 1924. Serial No. 716,504. 8 Claims. (Cl. 273—134.)



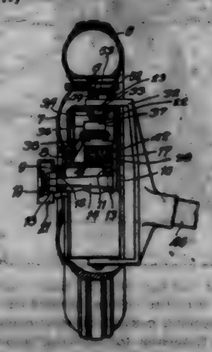
2. A game including a board having a playing surface provided with starting stations and inscribed to represent intersecting city streets, defining blocks, the blocks being numbered and arranged in contrasting groups with corresponding numbers in each group, in combination with playing pieces adapted to be shifted over the playing surface and brought to rest upon the blocks, and a pack of numbered cards for fortuitously determining the blocks constituting destinations for the pieces.

1,544,516. HYGROMETRIC INDICATOR, RECORDER, AND REGULATOR. EDWARD W. COMFORT, Winchester, Mass., assignor to Parks-Cramer Company, Boston, Mass., a Corporation of Massachusetts. Filed July 9, 1921. Serial No. 483,466. 17 Claims. (Cl. 236—44.)



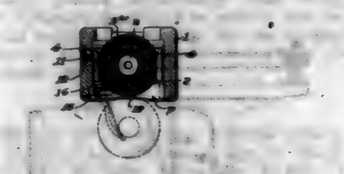
1. Hygrometric regulating apparatus comprising a pair of movable controllers, thermosensitive means for moving said controllers independently to positions indicative of the wet and dry bulb temperatures of the atmosphere, a transformer connected to one of said controllers and having an arm variably engaged by the other controller and angularly movable by the conjoint action of said controllers to positions indicative of a condition of the atmosphere and means operable by the conjoint action of said controllers to regulate the condition of the atmosphere.

1,544,517. ELECTRIC FOUR-WHEEL AUTOMOBILE TRANSMISSION. JOHN M. CONKLIN, Bell, Calif. Filed Dec. 12, 1922. Serial No. 580,282. 1 Claim. (Cl. 172—287.)



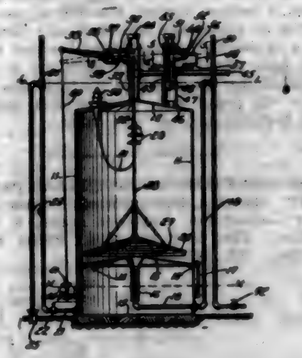
A motor adapted to be mounted in a vehicle wheel and comprising a housing, a stub axle rigidly secured to said housing, a casting rotatably mounted on said stub axle, an armature formed on said casting, a ring-shaped

1,544,527. LOOM SHUTTLE. HARRY A. DAVIS, Hopedale, Mass., assignor to Draper Corporation, Hopedale, Mass., a Corporation of Maine. Filed Dec. 29, 1924. Serial No. 756,898. 13 Claims. (Cl. 139—213.)



1. A loom shuttle provided with a tension member, extending diagonally across the bobbin chamber to bear upon the yarn therein and a yieldable supporting arm for the tension member extending across the bobbin chamber to be displaced by a bobbin as it is ejected from the shuttle.

1,544,528. ELECTRICAL DEHYDRATOR FOR PETROLEUM EMULSIONS. HAROLD C. EDDY, Los Angeles, Calif., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif., a Corporation of California. Filed Oct. 19, 1923. Serial No. 669,593. 10 Claims. (Cl. 204—24.)



1. A dehydrator for electrically separating water and oil from an emulsified mixture of said water and oil comprising: a cylindrical tank; an upper electrode in said tank; a lower electrode in said tank, said lower electrode being conical in shape, sloping downwardly from the center thereof; an emulsion inlet pipe so placed as to deliver emulsion to the space between said electrodes near the center thereof; a water outlet pipe so placed as to draw water from the bottom of said tank; an oil outlet pipe so placed as to draw oil from the top of said tank; and means for impressing a sufficient electromotive force between said electrodes to cause a coalescence of water particles in the space between said electrodes.

1,544,529. PROCESS OF MAKING CHLORINATED RUBBER. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a Corporation of West Virginia. Filed June 27, 1921. Serial No. 480,585. Renewed Mar. 24, 1925. 18 Claims. (Cl. 106—23.)

1. The process of treating rubber which comprises masticating it with a volatile solvent softening agent in such proportions as to form a plastic mass and agitating this mass in an atmosphere of chlorine.

1,544,530. PROCESS OF MAKING CHLORINATED RUBBER AND PRODUCTS DERIVED THEREFROM. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., a Corporation of West Virginia. Filed July 26, 1921. Serial No. 487,784. 12 Claims. (Cl. 106—23.)

8. The process of making chlorinated rubber which comprises reacting on fragments of unvulcanized rubber with chlorine, and dissolving away the clorinated rubber from said fragments as fast as formed, said fragments being of appreciable size.

9. As a new article of manufacture chlorinated rubber in the form of a sponge-like structure.

1,544,531. METHOD OF CHLORINATING RUBBER. CARLETON ELLIS and NORRIS BOEHMER, Montclair, N. J., assignors to Chadeloid Chemical Company, a Corporation of West Virginia. Filed Mar. 22, 1924. Serial No. 701,022. 2 Claims. (Cl. 106—23.)

1. The process which comprises exposing rubber to the action of chlorine under pressure, the latter being in an amount substantially in excess of the combining requirements, and at an elevated temperature below the charring point of the material.

1,544,532. PROCESS OF MAKING CHLORINATED RUBBER. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, a Corporation of West Virginia. Filed Mar. 22, 1924. Serial No. 701,030. 4 Claims. (Cl. 106—23.)

3. A process which comprises incorporating substantially more unvulcanized rubber in a bulk of solvent material than could be dissolved therein, and agitating such mixture of materials at substantially above room temperature but below the boiling point of the solvent, while contacting chlorine therewith.

1,544,533. PROCESS OF TREATING RUBBER. CARLETON ELLIS, Montclair, N. J., assignor to Chadeloid Chemical Company, a Corporation of West Virginia. Filed Mar. 22, 1924. Serial No. 701,026. 2 Claims. (Cl. 106—23.)

2. In the process of making chlorinated rubber, the step which comprises exposing unchlorinated rubber, under pressure to spent chlorine gas containing hydrogen chloride.

1,544,534. CHLORINATED RUBBER PRODUCT AND PROCESS OF MAKING SAME. CARLETON ELLIS and NORRIS BOEHMER, Montclair, N. J.; said Boehmer assignor to Chadeloid Chemical Company, New York, N. Y., a Corporation of West Virginia. Filed July 14, 1922. Serial No. 575,045. 11 Claims. (Cl. 106—22.)

1. The process of making chlorinated rubber which comprises reacting with chlorine gas at superatmospheric pressure on a loosely-packed mass composed of pieces of rubber, the mass being freely permeable to chlorine so that this gas may circulate about said pieces and in thus exposing the rubber to the continued action of chlorine to bring about an exothermic reaction and consolidate the pieces into a coherent mass of highly chlorinated rubber.

6. In the process of chlorinating rubber under the pressure the step which comprises venting the chlorination chamber from time to time to remove hydrochloric acid.

9. A rigid coalesced, vesiculated chlorinated rubber containing substantially above 67% of combined chlorin.

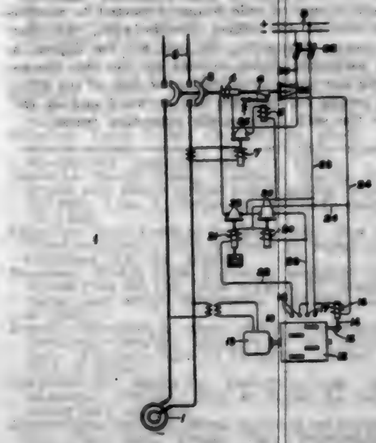
1,544,535. CHLORINATED RUBBER COMPOUND AND PROCESS OF MAKING SAME. CARLETON ELLIS and NORRIS BOEHMER, Montclair, N. J., assignors to Chadeloid Chemical Company, a Corporation of West Virginia. Filed May 18, 1923. Serial No. 639,083. 14 Claims. (Cl. 106—23.)

1. A chlorine-fluxed chlorinated rubber.

6. As a new product, a plastic mass containing chlorinated rubber and substantial amount of liquid free chlorin, such free chlorin serving as a plasticizing agent for the normally solid chlorinated rubber.

7. The process which comprises softening unvulcanized rubber by exposing to more than double its weight of chlorine, under a liquefying temperature and pressure, whereby the rubber is softened, and permitting the chlorine to act upon the softened material to bring about substantial chlorination thereof.

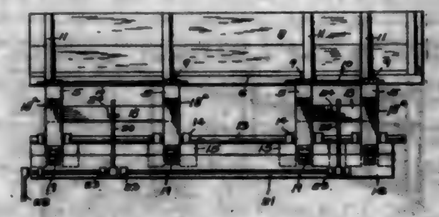
1,544,536. CONTROL SYSTEM FOR ELECTRIC SWITCHES. GLENN E. STEWART, Philadelphia, Pa., assignor to General Electric Company, a Corporation of New York. Filed Apr. 17, 1924. Serial No. 707,243. 8 Claims. (Cl. 175—294.)



1. In combination, an electric circuit, a circuit breaker in said circuit, means responsive to a predetermined condition of said circuit for effecting the opening of said circuit breaker, electromagnetic means for effecting the closing of said circuit breaker, a circuit for said electromagnetic means, a control relay, a circuit for said control relay, contacts in the circuit of said electromagnetic means controlled by said control relay, other contacts in the circuit of said electromagnetic means, and automatic switching means operative in response to the opening of said circuit breaker for controlling said control relay circuit to cause said relay to close the contacts in the circuit of said electromagnetic means which are controlled thereby and for subsequently effecting the closing of said other contacts in the circuit of said electromagnetic means.

1,544,537. DUMPING BODY FOR TRUCKS AND WAGONS. LOUIS P. WOOD, Niland, S. Dak. Filed Feb. 3, 1925. Serial No. 6,642. 1 Claim. (Cl. 298—18.)

In a device of the character described the combination with a running gear consisting of longitudinally extending side rails and transverse end rails, of supports hingedly connected to the longitudinally extending side rails, a horizontal operating rod, rods carried by the horizontal operating rod and projecting substantially at right angles thereto, eyes carried by the supports through which the last named rods project and in which said last named rods may move when the supports are swung outwardly and downwardly by rocking the horizontal operating rod, a body pivoted centrally and longitudinally upon cross bars of the running gear, and hinged sides for said body.

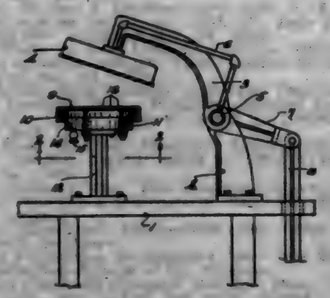


1,544,538. WATCH HOOK. LOUIS J. ANSHER, Providence, R. I. Filed Mar. 28, 1925. Serial No. 19,045. 3 Claims. (Cl. 24—235.)



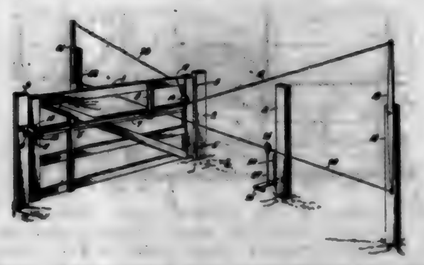
1. In an article of the character described, a front plate, a beak upon one end of the plate, a flange upon the other end of the plate, side walls upon the plate, stop ears upon the walls adjacent the beak, a pintle in the walls adjacent the flange, a tongue mounted upon the pintle adapted to engage the beak, and a spring supported by the pintle pressing the tongue against the beak.

1,544,539. LAUNDRY AND GARMENT PRESS. EDWARD H. EICHELMAN, Birmingham, Ala. Filed May 23, 1924. Serial No. 715,450. 4 Claims. (Cl. 68—9.)



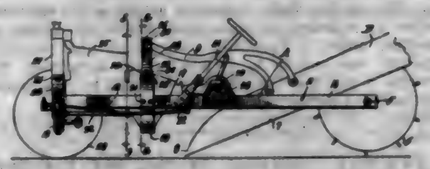
1. A press having as co-acting elements a head and a buck, in combination with automatic means in at least one of said elements to induce a flow of air through the garment on the separation of the co-acting elements.

1,544,540. GATE. TILLSTON O. THAYER, Albany, Oreg., assignor of two-fifths to George R. Riggs, Albany, Oreg. Filed Aug. 17, 1921. Serial No. 492,085. 1 Claim. (Cl. 89—37.)



In combination with a gate, a post, a detent comprising a vertically movable ring normally arranged in its lowermost position, said ring being restricted in its movement outwardly of said post, a latch bar fulcrumed on the gate and having one end normally urged upwardly for cooperation with the ring and adapted to engage the bottom of the ring to raise the same whereby the said end of the latch bar can be retained between the ring and the post when the gate is closed, and said detent engaging end of said bar being movable downwardly to engage the bottom of the ring to raise the same when the bar is operated to open the gate, said ring being immovable when its side adjacent the post is engaged by said latch bar.

1,544,541. FRAME ATTACHMENT FOR POTATO DIGGERS. LESTER R. LEE, Presque Isle, Me. Filed Sept. 22, 1924. Serial No. 739,442. 4 Claims. (Cl. 180—54.)



1. The combination with a conventional potato digger including a forwardly extending lift beam, of a wheeled frame for supporting a drive engine for the digger including a pair of spaced side beams arranged to receive the forward end of the digger therebetween, the rear ends of the beams supporting an axle for the digger, a transversely extending frame carried by the side beams for supporting the rear end of the crank case of the drive engine, and means for securing the forward end of the lift beam to the said transversely extending frame.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Shear Company, The, Bridgeport, Conn. Scissors and shears. 199,208; June 2; Serial No. 206,933; published Mar. 17, 1925.

Acme Works, Inc., Indianapolis, Ind. Vehicle wheels. 199,138; June 2; Serial No. 206,341; published Mar. 3, 1925.

Adams Bros. & Co., Chicago, Ill. Jar caps. 199,266; June 2.

Adams Equipment Company, Inc., Watertown, N. Y. Removable bodies for hand trucks. 199,202; June 2; Serial No. 206,934; published Feb. 24, 1925.

Admiroia Chemical Co., New York, N. Y. Bleach, cold, and vanishing creams. 199,224; June 2; Serial No. 208,215; published Mar. 10, 1925.

Agee Drug Company, Silver City, N. Mex. Lotion or cosmetic. 199,231; June 2; Serial No. 208,029; published Mar. 17, 1925.

Allen & Billmyre Co., Inc., New York, N. Y. Pneumatic or vacuum sweeping, cleaning, and drying systems, etc. 199,201; June 2; Serial No. 206,936; published Mar. 17, 1925.

Allen-Bradley Company, Milwaukee, Wis. Resistors used with radio apparatus. 198,987; June 2; Serial No. 206,051; published Mar. 10, 1925.

Alliance Vitreous China Company, The, Alliance, Ohio. Hotel china. 199,089; June 2; Serial No. 207,543; published Mar. 10, 1925.

American Chicle Company, Long Island City, N. Y. Tooth paste, antiseptics, and mouth washes. 199,113; June 2; Serial No. 207,286; published Mar. 3, 1925.

American Chicle Company, Long Island City, N. Y. Toothbrushes. 199,114; June 2; Serial No. 207,285; published Mar. 24, 1925.

American Lady Corset Co., Detroit, Mich. Brassières, corset waists, corsets, etc. 199,162; June 2; Serial No. 208,547; published Mar. 17, 1925.

American Steam Pump Company, Battle Creek, Mich. Steam and power pumps and pumping machinery, etc. 199,090; June 2; Serial No. 207,644; published Mar. 17, 1925.

American Voith Contact Company, Inc., New York, N. Y. Wood grinders. 199,212; June 2; Serial No. 208,631; published Mar. 24, 1925.

American Watch Case Company, assignor to American Watch Case Co. Inc., New York, N. Y. Watches, watch-cases, and watch movements. 46,697; renewed Oct. 3, 1925.

Ansell, Alexander A., doing business as Specialty Manufacturing Company, Brooklyn, N. Y. Automobile mirrors. 199,143; June 2; Serial No. 205,507; published Mar. 3, 1925.

Arkansas Dry Goods Co., Batesville, Ark. Hosiery and sweaters. 199,076; June 2; Serial No. 206,505; published Mar. 17, 1925.

Armenteros, Mariano, doing business as Imperial Powder Co., Ybor City, Tampa, Fla. Perspiration powder 199,061; June 2; Serial No. 195,987; published Mar. 10, 1925.

Arnould, Denis; B. C. Weisberg, doing business as D. Arnould Co., New York, N. Y., successor. Candies and candied fruits. 47,136; renewed Oct. 31, 1925.

Artocin Cream Chemical Co., The. (See Nicotra, Frank.)

Atkins & Durbrow, Inc., New York, N. Y. Peat moss. 190,135–6; June 2; Serial Nos. 206,506–7; published Mar. 3, 1925.

Autoveyors Limited, Westminster, England. Combined plug and socket. 199,014; June 2; Serial No. 205,508; published Mar. 17, 1925.

Bajanova, Elisabeth, New York, N. Y. Fat reducer. 199,091; June 2; Serial No. 207,645; published Mar. 17, 1925.

Bakelite Corporation, New York, N. Y. Condensation products of phenols and formaldehyde. 199,128; June 2; Serial No. 206,652; published Mar. 10, 1925.

Ballou, B. A., & Co., Inc., Providence, R. I. Garment-supporting shoulder straps made partly or wholly of precious metal. 198,975; June 2; Serial No. 185,857; published Mar. 17, 1925.

Barascope Corporation, New York, N. Y. Scientific astrological apparatus. 199,218; June 2; Serial No. 208,123; published Mar. 24, 1925.

Barr Rubber Products Company, The, Sandusky, Ohio. Rubber toy balloons and daggers and play balls. 199,082; June 2; Serial No. 206,278; published Mar. 24, 1925.

Baush Machine Tool Company, Springfield, Mass. Aluminum alloys. 199,270; June 2.

Bear Mill Manufacturing Company, Inc., New York, N. Y. Cotton cloth piece goods. 199,052; June 2; Serial No. 190,997; published Mar. 17, 1925.

Behre, Jennie, East Spencer, N. C. Medicinal ointments for treatment of erysipelas, etc. 199,054; June 2; Serial No. 192,814; published Mar. 10, 1925.

Bell Mfg. Co. (See Northern Industrial Chemical Company.)

Belltone Radio Corporation, New York, N. Y. Horns and loud speakers. 199,009; June 2; Serial No. 205,784; published Mar. 3, 1925.

Berg, Charles F., Portland, Oreg. Umbrellas and parasols. 199,161; June 2; Serial No. 208,555; published Mar. 17, 1925.

Berstel Manufacturing Company, Chicago, Ill. Crumb sweepers. 199,134; June 2; Serial No. 206,510; published Mar. 17, 1925.

Bianchini Férier, Lyon, France. Piece goods of silk, cotton, wool, and hairs. 198,986; June 2; Serial No. 197,986; published Mar. 17, 1925.

Big Dixie Bottling Works. (See Sexton, H. C.)

Blumenthal, Sidney, and Co. Inc., New York, N. Y. Pile fabrics in the piece. 199,149; June 2; Serial No. 208,954; published Mar. 24, 1925.

Bob, H. D., Company, Inc., New York, N. Y. Shirts, blouses, pyjamas, underwear, etc. 199,094; June 2; Serial No. 207,676; published Mar. 17, 1925.

Bob, H. D., Company, Inc., New York, N. Y. Men's and boys' shirts, blouses, pyjamas, underwear, and overjackets. 199,095; June 2; Serial No. 207,678; published Mar. 17, 1925.

Bode, Joseph G., jr., doing business as Honeydew Laboratories, New Brunswick, N. J. Face creams, corn remedy, hair pomade, etc. 198,998; June 2; Serial No. 200,609; published Mar. 10, 1925.

Bookstaber, Samuel, doing business as Noseline Laboratory, Astoria, N. Y. Medicine for treating colds and catarrh. 199,075; June 2; Serial No. 208,512; published Mar. 10, 1925.

Brand, Charles, doing business as Rosenberg and Brand, New York, N. Y. Hosiery. 199,125; June 2; Serial No. 206,992; published Mar. 17, 1925.

Brittan, Harlan M., Ojus, Fla. Mouse and rat traps. 199,242; June 2.

Budd, Edward G., Manufacturing Company, Philadelphia, Pa. Automobile bodies and body parts. 199,176; June 2; Serial No. 195,570; published Mar. 3, 1925.

Buettner, T., & Co., Inc., Chicago, Ill. Threads, yarns, and cottons. 199,158; June 2; Serial No. 208,635; published Mar. 17, 1925.

Buffalo Shirt Company, Buffalo, N. Y. Negligee and work shirts. 199,180; June 2; Serial No. 190,763; published Mar. 10, 1925.

Bullseye Battery Company, The, Dayton, Ohio. Batteries and battery chargers. 199,109; June 2; Serial No. 207,841; published Mar. 3, 1925.

Bunyon, Paul. (See Means, Norman E. L.)

Burndept Limited, London, England. Loud speakers. 199,055; June 2; Serial No. 193,029; published Mar. 10, 1925.

Butterfield, Fred, & Co. Inc., New York, N. Y. Cotton piece goods. 199,041–2; June 2; Serial Nos. 204,802–3; published Mar. 10, 1925.

California Radio Minerals, Harry Grant, Jr. (See Grant, Harry E. B., or H.)

California Seamless Shoe Company, Long Beach, Calif. Shoes. 199,261; June 2.

Campbell, Charles L., doing business as Wes-Co Blower and Pipe Company, Oakland, Calif. Sheet-metal receptacles. 199,039; June 2; Serial No. 204,217; published Mar. 24, 1925.

Campbell, Metzger & Jacobson, New York, N. Y. Table covers, napkins, doilies, etc. 199,015; June 2; Serial No. 205,264; published Mar. 24, 1925.

Canton Forge & Axle Company, Canton, Ohio. Rail-anchor wrenches. 199,166; June 2; Serial No. 204,756; published Mar. 24, 1925.

Carey, Albert, doing business as Yeracol Chemical Company, Portland, Oreg. Medicinal ointment for burns, cuts, etc. 198,997; June 2; Serial No. 200,669; published Mar. 17, 1925.

Carter Bros. Mattress Company, Chattanooga, Tenn. Rugs. 199,099; June 2; Serial No. 207,770; published Mar. 24, 1925.

Chaslyn Company, The. (See Lineburger, Charles E.)

Chemical Foundation, Incorporated, The. (See Falk, August, assignor.)

Chemical Foundation, Incorporated, The. (See Speyer, & Grund, assignors.)

Chemical Foundation, Incorporated, The. (See Vereinigte Chininfabriken Zimmer & Co., assignor.)

Chickasaw Cooperage Company, Memphis, Tenn. Barrels, kegs, pails, and buckets and parts thereof. 45,885; renewed Aug. 29, 1925.

Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 199,159–60; June 2; Serial Nos. 208,670–1; published Mar. 17, 1925.

Coast Fishing Company Inc., Wilmington, Calif. Canned fish. 199,274; June 2.

Cole, James R., doing business as Cole Specialty Co., Indianapolis, Ind. Prepared rouge. 199,019; June 2; Serial No. 205,149; published Mar. 10, 1925.

Coleman, Vincent F., doing business as V. F. Coleman Co., St. Paul, Minn. Portable metal banks for small coins. 199,189; June 2; Serial No. 206,218; published Mar. 17, 1925.

Colonial Radio Corporation, New York, N. Y. Radio receiving sets and parts thereof. 199,028–9; June 2; Serial Nos. 202,691–2; published Mar. 10, 1925.

Conklin, E. W., & Son; Horace E. Conklin, doing business as E. W. Conklin & Son, Binghamton, N. Y. Timothy seed. 46,741; renewed Oct. 5, 1925.

Conklin, T. E., Brass & Copper Co., Inc., New York, N. Y. Tubes and piping. 199,194; June 2; Serial No. 207,492; published Mar. 17, 1925.

Connor, John T., Company, Boston, Mass. Canned goods, butter, cheese, eggs, etc. 199,062; June 2; Serial No. 196,439; published Mar. 17, 1925.

Country Club Beverage Company. (See Katz, Morris I.)

Cundall, Powell & Mosher, Inc., Buffalo, N. Y. Bottle-capping machines. 199,210; June 2; Serial No. 208,843; published Mar. 24, 1925.

D. & S. Laboratories, The. (See Dunne, W. J.)

Dalton & Balch, Inc., Chicago, Ill. Timing gears of fabric and phenol. 199,175; June 2; Serial No. 195,870; published Mar. 24, 1925.

Damschinsky, Carl, New York, N. Y. Hair dyes. 46,086; renewed Sept. 5, 1925.

Dansk Chemo-Therapeutisk Selskab ved Ferd. Andersen, I. Siesbye & H. Weitzmann, Copenhagen, Denmark. Medicine for phthisis. 198,902; June 2; Serial No. 201,745; published Mar. 10, 1925.

Dawson, Peter, Limited, Glasgow, Scotland. Whisky. 198,969; June 2; Serial No. 179,992; published Mar. 24, 1925.

Dell, Samuel M., & Co. Inc., Baltimore, Md. Brushes and swabs. 199,147; June 2; Serial No. 209,208; publisher Mar. 24, 1925.

Dependable Bakers Associated, Brooklyn, N. Y. Bread. 198,981; June 2; Serial No. 189,354; published Feb. 19, 1924.

Derst, Edward J., doing business as Derst Bakery, Savannah, Ga. Bread, cakes, and pies. 199,049; June 2; Serial No. 190,915; published Apr. 8, 1924.

Desseignes, René, Asnieres, France. Perfume, toilet water, face and talcum powders, etc. 199,102; June 2; Serial No. 207,828; published Mar. 10, 1925.

Diamond Expansion Bolt Co., New York, N. Y. Mechanical sound amplifiers, horns, and loud speakers. 199,061; June 2; Serial No. 206,283; published Mar. 10, 1925.

Didisheim, Hipp., Co., Inc., New York, N. Y. Watches, watchcases, watch movements, and parts thereof. 199,071–2; June 2; Serial Nos. 206,575–6; published Mar. 17, 1925.

Dixie Medicine Company, Charlotte, N. C. Liniments, cough sirup, nerve tonic, etc. 198,993; June 2; Serial No. 200,985; published Mar. 10, 1925.

Dodge Manufacturing Corporation, Mishawaka, Ind., and Oneida, N. Y. Steel split pulleys. 199,067; June 2.

Douglas-Pectin Corporation, Rochester, N. Y. Tonic and purgative oil emulsions. 199,120; June 2; Serial No. 207,128; published Mar. 17, 1925.

Draper, Luther O., doing business as Luther O. Draper Shade Company, Spiceland, Ind. Cotton duck used in the manufacture of window shades. 198,980; June 2; Serial No. 188,992; published Mar. 25, 1924.

Dubilier Condenser & Radio Corporation, New York, N. Y. Electrical filters and combined electrical filters and rectifiers. 199,033; June 2; Serial No. 203,562; published Mar. 3, 1925.

Dumor National Chemical Company, Seattle, Wash. Explosives. 199,226; June 2; Serial No. 208,129; published Mar. 10, 1925.

Dunne, W. J., doing business as The D. & S. Laboratories, Edinburgh, Scotland. Epithelial proliferant. 199,001; June 2; Serial No. 198,848; published Dec. 16, 1924.

Dunne, W. J., doing business as The D. & S. Laboratories, Edinburgh, Scotland. Antiseptic epithelial proliferant. 199,002; June 2; Serial No. 198,847; published Dec. 16, 1924.

Eastman Kodak Company, Rochester, N. Y. Light-sensitive photographic paper. 199,189; June 2; Serial No. 208,046; published Mar. 24, 1925.

Economy Irrigation Company Limited, Victoria, British Columbia, Canada, and Seattle, Wash. Lawn sprinklers. 199,116; June 2; Serial No. 207,182; published Mar. 17, 1925.

Electrical Research Laboratories, Chicago, Ill. Radio electrical appliances. 199,059; June 2; Serial No. 193,998; published July 8, 1924.

Elms & Sellon, Inc., New York, N. Y. Cotton draperies. 198,994–6; June 2; Serial Nos. 200,755–7; published Mar. 10, 1925.

Enterprise Manufacturing Company, The, Akron, Ohio. Wood minnows. 199,098; June 2; Serial Nos. 207,726; published Mar. 24, 1925.

Erie Malleable Iron Company, Erie, Pa. Electrical fittings, receptacles, and parts thereof. 199,017; June 2; Serial No. 205,204; published Mar. 17, 1925.

Essex Specialty Company, Inc., Berkeley Heights, N. J. Detonating firework. 199,103; June 2; Serial No. 207,863; published Mar. 10, 1925.

Eternit Pietra Artificiale (London) Limited, London, England. Manufacturers from asbestos and/or cement. 198,991; June 2; Serial No. 201,803; published Feb. 3, 1925.

Excelsior Steel Furnace Company, Chicago, Ill. Sheet-metal elbows for hot-air distribution. 199,023; June 2; Serial No. 204,763; published Jan. 13, 1925.

Fairbanks, E. and T., and Company, St. Johnsbury, Vt., and East Moline, Ill. Test weights. 199,196; June 2; Serial No. 207,347; published Mar. 17, 1925.

Falk, August, Vienna, Austria, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Paste for removing spots and stains. 27,089; renewed Sept. 24, 1925.

Férier, Bianchini. Silk, cotton, wool, and hair piece goods. 199,004; June 2; Serial No. 197,967; published Mar. 17, 1925.

Fitzgerald Manufacturing Company, The, Torrington, Conn. Violet-ray apparatus. 199,213; June 2; Serial No. 208,584; published Mar. 24, 1925.

Forbestos Co., The, New York, N. Y. Condensers. 199,046; June 2; Serial No. 190,250; published Mar. 17, 1925.

Ford, Luther, & Company, Minneapolis, Minn. Liquid bluing. 199,106; June 2; Serial No. 207,465; published Mar. 3, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 199,150; June 2; Serial No. 208,906; published Mar. 24, 1925.

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 199,151–2; June 2; Serial Nos. 208,908–4; published Mar. 24, 1925.

Fortnum & Mason, Ltd., London, England. Boots and shoes, negligee and under shirts, hats, etc. 199,043; June 2; Serial No. 204,361; published Mar. 17, 1925.

Fougera, E., & Co., Inc., New York, N. Y. Absorbents, alteratives, anæsthetics, etc. 199,022; June 2; Serial No. 204,900; published Mar. 17, 1925.

Fox Film Corporation, New York, N. Y. Moving-picture films. 199,036–7; June 2; Serial Nos. 207,498–9; published Mar. 17, 1925.

Fox Film Corporation, New York, N. Y. Moving-picture films. 199,106; June 2; Serial No. 207,495; Mar. 17, 1925.

Fox Film Corporation. Moving-picture films. 199,107; June 2; Serial No. 207,497; published Mar. 17, 1925.

Francburt, Inc., New York, N. Y. Brassières. 199,241; June 2.

Franklin Simon & Co. (See Société Worth, assignor.)

Frasse, Peter A., & Co. Inc., New York, N. Y. Steel or tool steel. 199,211; June 2; Serial No. 208,755; published Mar. 24, 1925.

Fremont Natural Products Limited. (See Woollams, Claude E., assignor.)

Gano-Downs Company, The, Denver, Colo. Neckties. 199,104; June 2; Serial No. 207,865; published Mar. 17, 1925.

General Motors Corporation, Detroit, Mich. Motor driven vehicles. 199,240; June 2.

Gisiger, Emil, doing business as Times Watch Co., Biel, Switzerland, and New York, N. Y. Watches and parts and alarm clocks. 199,018; June 2; Serial No. 205,103; published Mar. 17, 1925.

Glendale Engineering Co., Glendale, Calif. Ignition timers for internal-combustion engines. 199,092; June 2; Serial No. 207,660; published Mar. 10, 1925.

Grant, Harry E. B., or H. Grant, doing business as California Radio Minerals, Harry Grant, Jr., Burlingame, Calif. Radio receiving sets, crystals, radio crystal cat-whiskers. 199,271; June 2.

Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Inductance coils. 199,079–80; June 2; Serial Nos. 206,294–5; published Mar. 17, 1925.

Greene, Edgeworth, New York, N. Y. Nonrefillable-bottle stoppers. 199,198; June 2; Serial No. 207,563; published Feb. 24, 1925.

Grip Nut Company, Chicago, Ill. Metal nuts. 199,234; June 2.

Griplock, Inc., New York, N. Y. Machines for manufacturing wire straps and tools for applying same for service. 199,173; June 2; Serial No. 199,939; published Mar. 24, 1925.

Grossman, Morris. (See Szilagyi & Co., assignor.)

Ground Gripper Shoe Co., Inc., New York, N. Y., and Boston, Mass. Leather and fabric boots and shoes. 199,084; June 2; Serial No. 206,238; published Feb. 17, 1925.

Guilmont & Peters, Chicago, Ill. Curling fluid, depilatory, hand lotion, etc. 199,057; June 2; Serial No. 193,827; published Mar. 17, 1925.

Guiterman Bros., Inc., St. Paul, Minn. Hosiery. 199,025; June 2; Serial No. 204,707; published Mar. 17, 1925.

Gutierrez Velez, Guillermo, New York, N. Y. Coffee. 199,249; June 2.

Gutmann and Company, Chicago, Ill. Leather. 199,239; June 2.

H. S. R. Chemical Products, Inc., Lynn, Mass. Liquor for impregnating textile wood, etc. 199,119; June 2; Serial No. 207,134; published Mar. 10, 1925.

Haas-Lieber Grocery Company, St. Louis, Mo. Canned goods. 198,978; June 2; Serial No. 187,460; published Mar. 17, 1925.

Haines Manufacturing Corporation, Rochester, N. Y. Screw drivers. 199,191; June 2; Serial No. 207,933; published Mar. 24, 1925.

Half Moon Manufacturing & Trading Company, Inc., New York, N. Y. Bamboo plant stakes. 199,279; June 2.

Half Moon Manufacturing & Trading Company, Inc., New York, N. Y. Peat and burlap. 199,280; June 2.

Halperin, M. I., Brooklyn, N. Y. Fiber-silk jersey cloth in the piece. 199,021; June 2; Serial No. 204,907; published Mar. 24, 1925.

Hansen, Arthur A., Detroit, Mich. Sleeve forms. 199,140; June 2; Serial No. 206,166; published Mar. 3, 1925.

Hanson & Van Winkle Company, The, Newark, N. J. Composition for use in polishing and buffing. 199,260; June 2.

Harrington, Edwin E., Boston, Mass. Onion sets. 199,200; June 2; Serial No. 207,015; published Feb. 24, 1925.

Hart Trouser Company, Incorporated, The, Pittsburgh, Pa. Men's trousers. 199,168; June 2; Serial No. 208,517; published Mar. 17, 1925.

Hasskarl, William S., Philadelphia, Pa. Stilts. 199,129; June 2; Serial No. 206,616; published Feb. 24, 1925.

Hawley & Hoops, New York, N. Y. Candy. 198,988; June 2; Serial No. 202,110; published Dec. 2, 1924.

Hermsdorf, Leopold, Leipzig, Germany. Furs. 199,144; June 2; Serial No. 205,413; published Mar. 17, 1925.

Henblein, G. F., & Bro., Hartford, Conn. Cocktails. 46,616; renewed Sept. 26, 1925.

Hilsenbeck Louis, New York, N. Y. Prophylactic rubber articles for the prevention of contagious diseases. 199,170; June 2; Serial No. 203,236; published Mar. 24, 1925.

Hoddie Brothers, Detroit, Mich. Ginger ale, beverage sold as a soft, and sirup for making the same. 199,245; June 2.

Holley Carburetor Company, Detroit, Mich. Gray-iron castings. 199,204; June 2; Serial No. 206,895; published Mar. 17, 1925.

Honeydew Laboratories. (See Bode, Joseph G., jr.)

Hopf, Paul, doing business as Hopf, Ringleb & Co., Berlin, Germany. Abrasive disks and strips for use by dentists. 199,171; June 2; Serial No. 201,809; published Mar. 24, 1925.

Horn, John, New York, N. Y. Medicinal cough candy. 199,034; June 2; Serial No. 203,630; published Mar. 17, 1925.

Howard-Stowers Company, Inc., New York, N. Y. Pianos, piano players, and parts thereof. 199,263; June 2.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits, vegetables, and fish, and dried fruits. 198,977; June 2; Serial No. 187,054; published Aug. 19, 1924.

Hunt Brothers Packing Company, San Francisco, Calif. Canned fruits. 199,182; June 2; Serial No. 187,465; published July 8, 1924.

Hutton, Iva L., Fort Worth, Tex. Chemical composition for use in curling hair. 199,006; June 2; Serial No. 205,757; published Mar. 10, 1925.

Hyland, Richard C., doing business as Hyland Bag Company, San Francisco, Calif. Burlap bags. 199,157; June 2; Serial No. 208,707; published Mar. 24, 1925.

Idaho Grimm Alfalfa Seed Growers Association, Inc., Blackfoot, Idaho. Alfalfa seed. 199,142; June 2; Serial No. 205,608; published Mar. 3, 1925.

Ideal Cocoa & Chocolate Co., Lititz, Pa., and New York, N. Y. Chocolate. 199,206; June 2; Serial No. 209,296; published Mar. 24, 1925.

Illinois Electric Porcelain Company, Macomb, Ill. Porcelain and split knobs, cleats, tubes, etc. 198,982; June 2; Serial No. 189,504; published Mar. 10, 1925.

Imperial Powder Co. (See Armenteros, Mariano.)

Jacobson, Benjamin, doing business as Lexington Products Co., Brooklyn, N. Y. Shampoos and rubbing alcohol. 199,063; June 2; Serial No. 196,460; published July 22, 1924.

Jaeger's, Dr., Sanitary Woolen System Co., New York, N. Y., now by change of name The Jaeger Company, Inc. Underwear, hosiery, sweaters, and bathing suits. 199,005; June 2; Serial No. 197,152; published Mar. 17, 1925.

James Disc Sharpener Company, The, Independence, Kans. Sharpeners for disks of agricultural implements; 199,217; June 2; Serial No. 208,247; published Mar. 24, 1925.

Jankel, Benno, doing business as Jankel Parfumeur, New York, N. Y. Face powders and creams, perfumes, toilet waters, etc. 199,010; June 2; Serial No. 205,697; published Mar. 17, 1925.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,281–3; June 2.

Jewett Radio & Phonograph Co., The, Detroit, Mich. Radiodials. 199,223; June 2; Serial No. 208,396; published Mar. 17, 1925.

Kalle and Company, Aktiengesellschaft, Biebrich-on-the-Rhine, Germany. Coal-tar intermediate products, artificial indigo, etc. 199,008; June 2; Serial No. 198,749; published Mar. 10, 1925.

Karolith Corporation, Long Island City, N. Y. Casein plastic. 199,024; June 2; Serial No. 204,711; published Mar. 17, 1925.

Katz, Morris I., doing business as Country Club Beverage Company, Springfield, Mass. Carbonated beverages. 199,045; June 2; Serial No. 204,512; published Mar. 24, 1925.

Kendall, Dr. B. J., Company, Enosburg Falls, Vt. Veterinary remedy. 45,697–8; renewed Aug. 29, 1925.

Kerr, Belle F., Columbus; Belle F. Kerr, Lake View, Ohio. Hair restoratives. 46,923; renewed Oct. 17, 1925.

Kewanee Boiler Company, Kewanee, Ill. Water or steam heaters. 45,253; renewed Aug. 8, 1925.

Klausner, Julius, New York, N. Y. Hosiery, shoes, and slippers. 199,030; June 2; Serial No. 202,811; published Mar. 10, 1925.

Klein, Phil, New York, N. Y. Overcoats, suits, and trousers, etc. 199,216; June 2; Serial No. 208,249; published Mar. 10, 1925.

Klein-Simpson Fruit Company, Los Angeles, Calif. Eggs, butter, fruit, etc. 199,178; June 2; Serial No. 194,453; published Sept. 18, 1924.

Kleinert, I. B., Rubber Company, New York, N. Y. Baby pants and sanitary bloomers. 199,156; June 2; Serial No. 208,709; published Mar. 17, 1925.

Kloser, Morris, New York, N. Y. Radio apparatus. 198,979; June 2; Serial No. 187,581; published Mar. 3, 1925.

Knapton, W. L., doing business as Knapton Mfg. Company, St. Paul, Minn. Printing machine. 199,145; June 2; Serial No. 205,276; published Mar. 24, 1925.

Knickerbocker, Charles, Ely, Nev. Medicine for tuberculosis. 199,031; June 2; Serial No. 203,474; published Mar. 10, 1925.

Kops Bros. Inc., New York, N. Y. Corsets, brassières, and underwear for women. 199,097; June 2; Serial No. 207,746; published Mar. 17, 1925.

Kops Bros. Inc., New York, N. Y. Corsets, brassières, and underwear. 199,163; June 2; Serial No. 208,526; published Mar. 17, 1925.

Laboratories Logeais. (See Logeais, Jacques.)

La Fleur Laboratories. (See Levy, Simeon S.)

Lazier, J. F., Manufacturing Co., St. Louis, Mo. Flavor and colorings for soft drinks. 199,221–2; June 2; Serial Nos. 208,349–50; published Mar. 24, 1925.

Leedom, Theodore C., Toledo, Ohio. Peanut butter and chewing gum. 198,966; June 2; Serial No. 144,822; published Feb. 17, 1925.

Levin, Ellis L., doing business as Elvin Radio Company, Philadelphia, Pa. Complete radio receiving sets. 199,053; June 2; Serial No. 191,387; published May 6, 1924.

Levy, Simeon S., doing business as La Fleur Laboratories, Cleveland, Ohio. Toilet creams and waters, perfumes, face powders, and rouges. 198,984; June 2; Serial No. 189,940; published Mar. 3, 1925.

Lewis-Geer Mfg. Company, Ypsilanti, Mich. Roller-bearing coaster wagons. 199,058; June 2; Serial No. 193,933; published Mar. 24, 1925.

Lewis Rubber Snubber Co., Portland, Oreg. Shock absorbers. 199,277; June 2.

Lexington Products Co. (See Jacobson, Benjamin.)

Liberty Orchards Company, Cashmere, Wash. Candy. 199,207–8; June 2; Serial Nos. 209,045–6; published Mar. 24, 1925.

Lilly, Eli, & Company, The, Indianapolis, Ind. Medicinal preparation for diseases of the blood and skin. 45,794; renewed Aug. 29, 1925.

Linebarger, Charles E., doing business as The Chasiya Company, Chicago, Ill. Hydrometers. 199,133; June 2; Serial No. 206,533; published Mar. 17, 1925.

Lion Brothers Company, Inc., Baltimore, Md. Caps, underwear, pyjamas, etc. 199,154; June 2; Serial No. 208,787; published Mar. 17, 1925.

Lipshutz, W. E., doing business as Monarch Overall Mfg. Company, Atlanta, Ga. Overalls, work pants, and work suits. 199,074; June 2; Serial No. 206,535; published Feb. 3, 1925.

Logan Iron & Steel Company, Philadelphia, Pa. Bar iron. 199,215; June 2; Serial No. 208,303; published Mar. 24, 1925.

Logeais, Jacques, doing business as Laboratoires Logeais, Paris, France. Internal remedy for neuralgia, sciatica, lumbago, etc. 199,220; June 2; Serial No. 208,352; published Mar. 10, 1925.

Louthan Manufacturing Co., The, East Liverpool and Laughlin, Ohio. Composition in the nature of a substitute for porcelain or earthenware. 199,169; June 2; Serial No. 208,735; published Mar. 3, 1925.

Lubin, Joseph. (See Stevens, Augustus P., assignor.)

Lyon Bros., Worcester, Mass. Malted milk powder with chocolate flavor. 199,113; June 2; Serial No. 207,138; published Mar. 17, 1925.

Maas & Waldstein Co., Newark, N. J.; H. Magnus, Chicago, Ill., successor. Medical tonics. 45,266; renewed Aug. 8, 1925.

Magnavox Co., The, Oakland, Calif. Electric air heaters. 199,027; June 2; Serial No. 202,181; published Mar. 3, 1925.

Magnus, Henry. (See Maas & Waldstein Co.)

Maimon, Joseph H., doing business as Maimon Pants Company, Chicago, Ill. Men's trousers. 199,066; June 2; Serial No. 206,008; published Mar. 17, 1925.

Manufacture Générale de Ressorts, Paris, France. Springs, suspensions, shock absorbers for vehicles, etc. 199,199; June 2; Serial No. 207,195; published Mar. 3, 1925.

Marion Machine, Foundry & Supply Co., Marion, Ind. Oil and gas engines and oil-well equipment. 199,198; June 2; Serial No. 207,250; published Mar. 17, 1925.
Mason & Butler, New York, N. Y. Shirtings. 199,051; June 2; Serial No. 190,972; published Mar. 17, 1925.
Mayflower Mills, The, Fort Wayne, Ind. Wheat flour. 45,564; renewed Aug. 22, 1925.
McLain, Andrew D., Salem, Ala. Medicine for treatment of eczema. 199,234; June 2; Serial No. 207,986; published Mar. 10, 1925.
Means, Norman E. L., doing business as P. Bunyon, New Hartford, N. Y. Fishing tackle. 199,148; June 2; Serial No. 206,992; published Mar. 24, 1925.
Metropolitan Device Corporation, Brooklyn, N. Y. Plugs for fuse receptacles. 199,265; June 2.
Meyer, Wm., Company, The, Chicago, Ill. Electric hair driers. 199,047; June 2; Serial No. 190,422; published Mar. 17, 1925.
Michael, Benjamin F., doing business as Mijo Remedy Company, Scranton, Pa. Antiseptic cones. 199,098; June 2; Serial No. 207,751; published Mar. 10, 1925.
Migel, J. A., Inc., North Bergen, N. J., and New York, N. Y. Silk fabric. 199,020; June 2; Serial No. 205,019; published Mar. 24, 1925.
Mijo Remedy Company. (See Michael, Benjamin F.)
Miller, Henry M., Roscoe, N. Y. Medicine to prevent abortion in animals. 199,083; June 2; Serial No. 206,254; published Mar. 17, 1925.
Modern Games Company, The, Bay City, Mich. Crossword card game. 199,073; June 2; Serial No. 206,536; published Mar. 24, 1925.
Monarch Overall Mfg. Company. (See Lipshutz, W. E.)
Montreaux Watch Co. (See Perelman, Joseph Y.)
More Tone Radio Company, The, Chicago, Ill. Condensers and earpieces. 198,968; June 2; Serial No. 178,861; published Mar. 3, 1925.
Multiple Socket Fixture Company, The, Cleveland, Ohio. Electric-lamp fixtures. 199,225; June 2; Serial No. 208,156; published Mar. 10, 1925.
Nafziger Baking Company, Kansas City, Mo. Material for promoting fermentation and gas expansion in bread or like dough. 199,078; June 2; Serial No. 206,363; published Mar. 17, 1925.
Narragansett Machine Co., Pawtucket, R. I. Tennis rackets. 199,155; June 2; Serial No. 208,715; published Mar. 24, 1925.
National Beverage Company, Chicago, Ill. Beverages. 199,228; June 2; Serial No. 208,106; published Mar. 24, 1925.
National Chemical Products Co. Inc., doing business as Ponce, Union, N. J. Beverage, beverage sirup, and beverage concentrate. 199,244; June 2.
New Haven Clock Co., The, New Haven, Conn. Clocks. 198,971; June 2; Serial No. 184,752; published Feb. 24, 1925.
Nicotra, Frank, doing business as The Artocin Cream Chemical Co., New York, N. Y. Ointments and creams for sores, eczema, etc. 198,976; June 2; Serial No. 186,522; published Mar. 17, 1925.
Northern Industrial Chemical Company, doing business also as Bell Mfg. Co., Boston, Mass. Distributor on the ignition system, sockets, and dials. 199,064; June 2; Serial No. 196,615; published Mar. 10, 1925.
Novo-Tex Company, Inc., Philadelphia, Pa. Men's, women's, and children's garments. 199,233; June 2; Serial No. 208,006; published Mar. 17, 1925.
Noseline Laboratory. (See Bookstaber, Samuel.)
Numsen, Wm., & Sons, Inc., Baltimore, Md. Fruits and vegetables, and fruit and vegetable preserves and jellies. 47,384; renewed Oct. 31, 1925.
O'Gara Coal Company, Chicago, Ill. Coal. 199,179; June 2; Serial No. 193,950; published May 27, 1924.
Oil Conservation Engineering Company, The, Cleveland, Ohio. Oil-level indicators, pressure gauges, and gauge bobs. 199,177; June 2; Serial No. 195,182; published Mar. 17, 1925.
O'Keefe's Beverages Limited, Toronto, Ontario, Canada, and New York, N. Y. Beverages. 198,967; June 2; Serial No. 175,021; published Mar. 24, 1925.
Onyx Oil & Chemical Co., Jersey City, N. J. Product for use in connection with the removal of cerosin gum from silk. 199,262; June 2.
Oppenheimer, Morton A., doing business as A. E. Oppenheimer & Brother, Philadelphia, Pa. Hair nets. 199,165; June 2; Serial No. 208,477; published Mar. 10, 1925.
Oriental Silk Printing Company, Haledon, N. J., and New York, N. Y. Textile fabrics. 199,146; June 2; Serial No. 209,420; published Mar. 24, 1925.
Pacent Electric Company, Incorporated, New York, N. Y. Telephone plugs. 199,093; June 2; Serial No. 207,672; published Mar. 10, 1925.
Paper Service Co., Inc., Hinsdale, N. H. Toilet paper. 199,267; June 2.
Paulais Co., Los Angeles, Calif. Food sirups, candies, etc. 199,184; June 2; Serial No. 159,277; published July 22, 1924.
Perelman, Joseph Y., doing business as Montreaux Watch Co., New York, N. Y. Watch movements and watch-cases. 199,257; June 2.
Perfect Automatic Egg-Timer & Manufacturing Company, Chicago, Ill. Automatic bread toasters. 199,258; June 2.
Perlmann, Schal & Stern Inc., New York, N. Y. Linen centerpieces, doilies, tablecloths, etc. 199,243; June 2.
Perth Amboy Bottling Company, Perth Amboy, N. J. Beverage sold as a soft drink. 199,032; June 2; Serial No. 203,485; published Mar. 24, 1925.
Pfister & Vogel Leather Company, Milwaukee, Wis. Leathers. 199,195; June 2; Serial No. 207,472; published Mar. 3, 1925.
Phoenix Flour Mill, Evansville, Ind. Wheat flour. 45,497; renewed Aug. 22, 1925.
Phoenix Paint & Varnish Co., Philadelphia, Pa. Paints and varnishes. 45,214; renewed Aug. 8, 1925.
Plaut, Jr.-Wear Company, Cincinnati, Ohio. Clothing. 199,038; June 2; Serial No. 204,048; published Mar. 17, 1925.
Polyphonwerke Aktiengesellschaft, Berlin, Germany. Talking machines, sound boxes, horns, etc. 198,989; June 2; Serial No. 201,978; published Mar. 10, 1925.
Precision Coil Co., Inc., New York, N. Y. Radio tuning coils and couplers. 199,056; June 2; Serial No. 198,122; published Mar. 10, 1925.
Puritan Candy Co., Milwaukee, Wis. Candy. 199,172; June 2; Serial No. 201,578; published Mar. 24, 1925.
Puritan Engineering Corporation, Crawfordsville, Ind. Water softeners. 199,209; June 2; Serial No. 208,868; published Mar. 24, 1925.
Rader Appliance Co., Inc., New York, N. Y., and West New York, N. Y. Rectifier tubes. 199,011; June 2; Serial No. 205,665; published Mar. 3, 1925.
Radway & Company, New York, N. Y. Preparation for the treatment of rheumatism, neuralgia, etc. 199,013; June 2; Serial No. 205,549; published Mar. 17, 1925.
Rash Manufacturing Company, Middlesboro, Ky. Tooth paste, face powder, hairdressings, etc. 198,973; June 2; Serial No. 185,619; published Mar. 10, 1925.
Regal Corset Company, Worcester, Mass. Corsets, corset waists, brassières, bandeaux, belts, and girdles. 199,240; June 2.
Reliance Manufacturing Company, Chicago, Ill. Work or negligee overshirts or "stag" shirts. 199,100–1; June 2; Serial Nos. 207,826–7; published Mar. 17, 1925.
Rice-Stix Dry Goods Company, St. Louis, Mo. Men's and boys' shirts, nightgowns, pyjamas, etc. 199,095; June 2; Serial No. 206,189; published Mar. 17, 1925.
Ricker, Hiram, & Sons, South Poland, Me. Spring water. 199,068; June 2; Serial No. 206,805; published Mar. 24, 1925.
Riddle Company, Edward N., The, Toledo, Ohio. Electric-lighting fixtures and units, electric lamps, etc. 198,974; June 2; Serial No. 185,676; published Mar. 3, 1925.
Rid-Jid Products Corporation, Chicago, Ill. Ironing tables. 199,060; June 2; Serial No. 194,621; published Mar. 17, 1925.
Ripkin Bros. & Stein, Philadelphia, Pa. Overall jackets and overalls. 199,232; June 2; Serial No. 208,015; published Mar. 17, 1925.
Rollin Motors Company, The, Euclid, Ohio. Automobiles. 199,192; June 2; Serial No. 207,888; published Mar. 17, 1925.
Rose Brothers, New York, N. Y. Topcoats. 199,153; June 2; Serial No. 208,780; published Mar. 17, 1925.
Rubinton, Samuel, Brooklyn, N. Y. Fur skins. 199,131–2; June 2; Serial Nos. 206,594–5; published Mar. 3, 1925.
Russell Electric Company, Chicago, Ill. Electric appliances. 199,070; June 2; Serial No. 206,695; published Mar. 17, 1925.
Sands & Ross, Inc., New York, N. Y. Aniline dye. 198,983; June 2; Serial No. 189,735; published Mar. 10, 1925.
Sanford, Stephen, & Sons, Inc., Amsterdam, N. Y. Knitted fabric carpets and rugs. 199,272; June 2.
Sanford, Stephen, & Sons, Inc., Amsterdam, N. Y. Axminster carpets and rugs. 199,273; June 2.
Schmechel & Schubert Mfg. Co., Thiensville, Wis. Farm machinery and implements. 199,137; June 2; Serial No. 206,378; published Mar. 24, 1925.
Scholl Manufacturing Company, Inc., Chicago, Ill. Foot balm, chilblain lotion, etc. 199,000; June 2; Serial No. 199,252; published Mar. 10, 1925.
Schwartz Bros. & Co., Inc., New Orleans, La. Handkerchiefs. 198,978; June 2; Serial No. 185,046; published Oct. 21, 1924.
Sedberry, James B., Utica, N. Y. Agricultural and milling machinery. 199,197; June 2; Serial No. 207,313; published Mar. 24, 1925.
Seidner & Hitzigrath, Inc., New York, N. Y. Hair nets. 199,256; June 2.
Senia Holding Corporation, The, New York, N. Y. Device for preventing windows from rattling. 199,188; June 2; Serial No. 208,109; published Mar. 17, 1925.
Service Ice Company of Paterson, Inc., Paterson, N. J. Ice. 199,168; June 2; Serial No. 203,978; published Mar. 3, 1925.
Seto, Wm. T., New York, N. Y. Game. 199,016; June 2; Serial No. 206,238; published Mar. 24, 1925.
Sexton, H. C., doing business as Big Dixie Bottling Works, Macon, Ga. Beverages. 199,088; June 2; Serial No. 207,529; published Mar. 24, 1925.
Shapleigh Hardware Company, St. Louis, Mo. Lawn mowers. 199,126–7; June 2; Serial Nos. 206,752–3; published Mar. 17, 1925.
Shapleigh Hardware Company, St. Louis, Mo. Lawn mowers. 199,205; June 2; Serial No. 206,754; published Mar. 24, 1925.

Shipley, Nettie R., Waldorf, Md. Salve for corns and calli. 199,040; June 2; Serial No. 204,282; published Mar. 17, 1925.
Sinclair Refining Company, New York, N. Y. Oils for illuminating, burning, power, fuel, and lubricating purposes. 199,268; June 2.
Singer, Emanuel, doing business as E. Singer Co., New York, N. Y. Radio sets. 199,035; June 2; Serial No. 208,652; published Jan. 20, 1925.
Singer Paper Box Co., Chicago, Ill. Paper novelties and advertising specialties. 199,264; June 2.
Smith, E. H., Quitman, Ga. Medicine for the treatment of kidney or bladder trouble. 199,012; June 2; Serial No. 205,614; published Mar. 17, 1925.
Smith, Goodwin B., doing business as The Snax Stores, Philadelphia, Pa. Vending machines. 199,214; June 2; Serial No. 206,435; published Mar. 24, 1925.
Snax Stores, The. (See Smith, Goodwin B.)
Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Perfumes and hygienic products. 199,026; June 2; Serial No. 202,420; published Mar. 17, 1925.
Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Perfumes and hygienic products. 199,065; June 2; Serial No. 196,977; published Mar. 10, 1925.
Society of Chemical Industry in Basle, Basel, Switzerland. Pharmaceutical preparation. 199,105; June 2; Serial No. 207,892; published Mar. 10, 1925.
Sonora, Inc., New York, N. Y., assignor to Sonora Phonograph Company, Inc. Talking machines and phonographs. 199,255; June 2.
Sonora Phonograph Company, Inc., New York, N. Y. Radio receiving sets, loud speakers, and horns. 199,048; June 2; Serial No. 190,818; published Mar. 17, 1925.
Specialty Manufacturing Company. (See Ansell, Alexander A.)
Spelcher, Daniel E., Urbana, Ind. Seeders and planters. 45,078; renewed Aug. 8, 1925.
Sperry Candy Company, Milwaukee, Wis. Candies. 199,188–7; June 2; Serial Nos. 208,114–15; Mar. 24, 1925.
Speyer & Grund, Frankfort-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Antiseptics. 26,906; renewed Aug. 6, 1925.
Stabler, Jordan, Co., Baltimore, Md. Olive oil. 47,184; renewed Oct. 31, 1925.
Standard Oil Company (New Jersey), Bayonne, N. J. Mineral oil. 199,006; June 2; Serial No. 199,093; published Mar. 17, 1925.
Standard Textile Products Company, The, New York, N. Y., and Youngstown, Ohio. Fabric bodies for motor cars and other vehicles. 199,133; June 2; Serial No. 175,230; published Mar. 3, 1925.
Stebler Parker Co., Riverside, Calif. Hand trucks and clamp trucks. 199,167; June 2; Serial No. 204,527; published Mar. 3, 1925.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece and cut lengths. 119,117; June 2; Serial No. 207,153; published Mar. 10, 1925.
Steinman, Joseph, New York, N. Y. Women's and children's shoes. 199,248; June 2.
Sterling Machine & Stamping Company, The, Wellington, Ohio. Juvenile vehicles. 199,050; June 2; Serial No. 190,943; published Mar. 24, 1925.
Sterling Pin Co., The, Huntington and Derby; The Sterling Pin Co., Derby, Conn. Hairpins. 46,070; renewed Sept. 5, 1925.
Stevens, Augustus P., assignor to J. Lubin, Brooklyn, N. Y. Cream of petroleum for the toilet. 27,068; renewed Sept. 10, 1925.
Stony Creek Granite Company, The, Xenia, Ohio, and Stony Creek, Conn. Granite. 199,130; June 2; Serial No. 206,600; published Mar. 3, 1925.
Storey, H. E., doing business as Storey Laboratories, Houston, Tex. Medicine. 199,238; June 2; Serial No. 207,898; published Mar. 17, 1925.
Strait, J. H., & Co., Bloomington, Calif. Oranges, lemons, and grapefruit. 199,190; June 2; Serial No. 206,019; published Mar. 24, 1925.
Stronse, Adler & Co., New Haven, Conn. Corsets. 44,670; renewed July 18, 1925.
Stronse, Adler & Co., New Haven, Conn. Corsets. 45,767; renewed Aug. 29, 1925.
Sulka, A., & Company, New York, N. Y. Shirts, collars, ties, sweaters, etc. 199,269; June 2.
Switzer, Frederick M., doing business as Switzer's Yellow Jacket Co., St. Louis, Mo. Candy. 199,259; June 2.
Szabo, Alex, New York, N. Y. Candy laxative. 198,990; June 2; Serial No. 201,822; published Mar. 3, 1925.
Szilagyi & Co., Inc., assignor to M. Grossman, New York, N. Y. Radiohorns and mechanical amplifiers. 199,124; June 2; Serial No. 207,085; published Mar. 17, 1925.
Tablax Company. (See Weiner, Louis L.)
Talbot Manufacturing Co., Los Angeles, Calif. Insecticides. 199,275; June 2.
Tanner, Chester D., doing business as Chester D. Tanner Co., Los Angeles, Calif. Radio receiving machine. 199,036; June 2; Serial No. 203,848; published Mar. 10, 1925.
Taylor, George D., New York, N. Y. Antiseptic, disinfecting, and cleaning compound. 199,219; June 2; Serial No. 208,365; published Mar. 10, 1925.
Temple Fuel Company, The, Trinidad, Colo. Coal. 199,276; June 2.
Thomas, Maude C., Boston, Mass. Hair restorer and tonic. 198,970; June 2; Serial No. 181,921; published Mar. 17, 1925.
Thornton & Chester Milling Co., Buffalo, N. Y. Wheat flour. 47,208; renewed Oct. 31, 1925.
Times Watch Co. (See Gisiger, Emil.)
Tingue, Brown & Co., New York, N. Y. Laundry nets. 199,250–2; June 2.
Todd, A. M., Company, The, Kalamazoo, Mich. Synthetic-perfume base. 199,227; June 2; Serial No. 208,117; published Mar. 17, 1925.
Trappey, B. F., & Sons, Jeanerette, La. Sirups for food. 199,115; June 2; Serial No. 207,272; published Mar. 17, 1925.
Trenton Porcelain Company, Trenton, N. J. Electric insulators and lighting arresters. 199,077; June 2; Serial No. 206,445; published Mar. 10, 1925.
Trexler Company of America, The, Wilmington, Del. Shift-lever locks and steering-wheel locks. 199,181; June 2; Serial No. 190,521; published Mar. 24, 1925.
Tripod Paint Co., The, Atlanta, Ga. White lead. 46,535; renewed Sept. 26, 1925.
United States Chain & Forging Company, Pittsburgh, Pa. Vehicle fenders or bumpers and brackets and other parts therefor. 199,141; June 2; Serial No. 205,801; published Mar. 17, 1925.
Uts, John G., Detroit, Mich. Radio receiving sets. 198,999; June 2; Serial No. 199,961; published Mar. 3, 1925.
Van Arsdale, William; Susan P. Van Arsdale, Racine, Wis., successor. Safety driving bits. 47,440; renewed Nov. 7, 1925.
Vaughan, Charles W., Richmond, Va. Polish for use on auto bodies, furniture, etc. 199,278; June 2.
Vereinigte Chininfabriken Zimmer & Co., Frankfort-on-the-Main, Germany, assignor to The Chemical Foundation, Incorporated, Wilmington, Del. Chemical and medical products. 26,784; renewed July 6, 1925.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, woolen and cotton, etc., textiles in the piece. 199,121; June 2; Serial No. 207,045; published Mar. 24, 1925.
Walther Manufacturing Co., Philadelphia, Pa. Worsted, woolen, worsted and cotton, woolen and cotton, etc., textiles in the piece. 199,122; June 2; Serial No. 207,042–3; published Mar. 24, 1925.
Wampole, Henry S., Company, The, Baltimore, Md. Extract of cod-liver oil. 199,237; June 2; Serial No. 207,901; published Mar. 17, 1925.
Wanklyn, Frederic L., Montreal, Quebec, Canada. Explosive torpedoes and luminous fog signals for railways. 199,185; June 2; Serial No. 153,750; published Mar. 10, 1925.
Washington Accredited Hatchery and Breeders Association, Puyallup, Wash. Chicks. 199,247; June 2.
Waterhouse, Josephine S., doing business as Waterhouse Manufacturing Co. and as J. S. Waterhouse, Los Angeles, Calif. Tents. 199,174; June 2; Serial No. 195,929; published Mar. 3, 1925.
Weiner, Louis L., doing business as Tablax Company, New York, N. Y. Antiseptic, astringent, and deodorant. 199,069; June 2; Serial No. 206,704; published Mar. 17, 1925.
Weisberg, Benjamin C. (See Arnould, Denis.)
Wes-Co Blower and Pipe Company. (See Campbell, Charles L.)
Wescott, W. A., doing business as Wescott Chemical Company, Lincoln, Nebr. Preparation for cleaning clogged sewer and drain pipes. 199,236; June 2; Serial No. 207,957; published Mar. 17, 1925.
Whiting Milk Companies, Boston, Mass. Chocolate powder preparation. 199,229; June 2; Serial No. 208,086; published Mar. 17, 1925.
Whiting Milk Companies, Boston, Mass. Chocolate powder preparation. 199,230; June 2; Serial No. 208,084; published Mar. 17, 1925.
Willey-Noyes Manufacturing Company, Somerville, Mass. Electrical control for motor-vehicle horns. 199,044; June 2; Serial No. 204,383; published Mar. 3, 1925.
Woollams, Claude R., assignor to Fremont Natural Products Limited, Auckland, New Zealand. Preparation for treatment of autoxemia, peristaltic stasis, and defective metabolism. 198,985; June 2; Serial No. 190,141; published Mar. 3, 1925.
Wróblewski, David, New York, N. Y. Preparation for stomach and intestinal conditions. 199,235; June 2; Serial No. 207,958; published Mar. 17, 1925.
Wulfson, Vladimir, New York, N. Y. Hosiery, underwear, and sweaters. 199,007; June 2; Serial No. 205,895; published Mar. 17, 1925.
Wunderle, Philip, Philadelphia, Pa. Candy. 46,893; renewed Oct. 10, 1925.
Yeracol Chemical Company. (See Carey, Albert.)
Zeller, Max, Berlin-Treptow, Germany. Cells, batteries, pocket lamps, and parts of same. 199,254; June 2.
Zinn Beck Bat Company, Greenville, S. C. Baseball bats. 199,110–12; June 2; Serial Nos. 207,325–7; published Mar. 4, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Beauty Cigar Company, Toronto, Ohio. Big Navana. For Cigars. 28,702; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Cocktail. For Candy. 28,703; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Lime. For Candy. 28,704; June 2.
Aromint Mfg. Co., The Cincinnati, Ohio. Lemon. For Candy. 28,705; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Violet. For Candy. 28,706; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Orange. For Candy. 28,707; June 2.
Barbee, Cecil R., doing business as London Dry Co., Los Angeles, Calif. London Dry. For Ginger Ale. 28,708; June 2.
Bauer, John E., doing business as Union Wholesale Paint Co., Los Angeles, Calif. Zone-Lac. For Lacquer Paint. 28,709; June 2.
Beacon Electric Corporation, New York, N. Y. Beacon Radio "B" Battery. For Electric Batteries. 28,710; June 2.
Bell Chemical Co. Inc., Chicago, Ill. Bell's. For Cleaning Fluid. 28,711; June 2.
Blanchard, A. G., doing business as Gould Burner Company, Shreveport, La. Use Gould Inferno Oil Burners. For Inferno Oil Burners. 28,712; June 2.
Bohemian Distributing Co. Inc., Los Angeles, Calif. Royal Crest. For Crème de Cacao Cordial. 28,713; June 2.
Central Cigar Company, Windsor, Pa. Public Opinion. For Cigars. 28,714; June 2.
College Inn Food Products Company, Chicago, Ill. College Inn. For Canned Chicken Soup. 28,715; June 2.
Columbia Plush & Puff Co., Brooklyn, N. Y. Shav-Pad. For Powder Puffs for Use by Men. 28,716; June 2.
Commercial Company, Charlestown, Mass. Old Homestead. For a Cereal Beverage. 28,717; June 2.
Congoleum-Nairn Inc., Philadelphia, Pa. Congoleum Gold Seal. For Rugs and Floor Coverings. 28,718; June 2.
Cream City Products Co., Milwaukee, Wis. Golden Pheasant. For Ginger Ale. 28,719; June 2.
Davis, Roger T., San Antonio, Tex. Kleen-Type. For Liquid Preparation for Cleaning Typewriter and Other Type. 28,720; June 2.
Debevoise Company, The, Brooklyn, N. Y. Stir Well—Stir Right To Make Paint Hold Tight. For Paints. 28,721; June 2.
Dennos Food Company of Portland, Portland, Oreg. Dennos Food The Milk Modifier. For Infants' and Invalids' Foods. 28,722; June 2.
Dictaphone Corporation, Bridgeport, Conn. The Dictaphone Cylinder. For Phonograph Records. 28,723; June 2.
Duke, Joe. (See Menasha Printing and Carton Company, assignor.)
Dwinell-Wright Company, Boston, Mass. Good Coffee Absolutely Pure. For Coffee. 28,724; June 2.
Dwinell-Wright Company, Boston, Mass. Good Coffee. For Coffee. 28,725; June 2.
Escondido Fruit Growers Association, Escondido, Calif. America. For Lemons. 28,726; June 2.
Escondido Fruit Growers Association, Escondido, Calif. Liberty. For Lemons. 28,727; June 2.
Fallows, Edward H., doing business as Florida Blend Company, New York, N. Y. Florida Blend. For Beverage. 28,728; June 2.
Florida Blend Company. (See Fallows, Edward H.)
Florida East Coast Growers Association, Inc., Miami, Fla. Quality De Luxe. For Fresh Tomatoes. 28,729; June 2.
Foothill Groves, Yorba Linda, Calif. Yorba Linda Gem. For Oranges. 28,730; June 2.
Ford Motor Company, Highland Park, Mich. Guaranteed Ford Used Car. For Ford Automobiles. 28,731; June 2.
Frankel & Smith, Inc., Boston, Mass. Over-Bob. For Hair Goods. 28,732; June 2.
Frankel & Smith, Inc., Boston, Mass. Nobob. For Hair Goods. 28,733; June 2.
French Dressing Specialty Co., New York, N. Y. Mon Plaisir. For Salad Dressing. 28,734; June 2.
Giusti Baking Co., New Bedford, Mass. Old Fashun Bread. For Bread. 28,735; June 2.
Gould Burner Company. (See Blanchard, A. G.)
Hoffman, E. A., Candy Co., Los Angeles, Calif. Navajo. For Candy. 28,736; June 2.
Huston, Tom, doing business as the Southern Peanut Company, Columbus, Ga. Tom's Toasted Peanuts. For Toasted Peanuts. 28,737; June 2.
Independent Breweries Company, The, St. Louis, Mo. Sampson. For Malt Sirup. 28,738; June 2.
International Brotherhood of Paper Makers, Albany, N. Y. International Brotherhood of Paper Makers—Union Made. For Book, Bond, Ledger, and Other Writing and Printing Papers. 28,739; June 2.
Jantzen Knitting Mills, Portland, Oreg. Jantzen, For Swimming Suits. 28,740; June 2.
Kolene Products Co. (See Martin, C. R., and Warnock.)
Kuhn, Joe., & Co., Champaign, Ill. The Stad. For Young Men's Suits. 28,741; June 2.
Lafrenaye, Eddie J. B., Holyoke, Mass. Radio Hand-Made. For Cigars. 28,742; June 2.
London Dry Co. (See Barbee, Cecil R.)
Martin, Clay R., and P. E. Warnock, doing business as Kolene Products Co., Swampscott, Mass. Kolene. For Fabric Cleaner. 28,745; June 2.
McEwen, Chas. D., Richmond, Va. Mack's Snacks. For a Confection for Cough and Cold Relief. 28,743; June 2.
McLean, A., & Son, Chicago, Ill. My Goodness. For Candy. 28,744; June 2.
Menasha Printing and Carton Company, Menasha, Wis., assignor to J. Duke, Port Arthur, Tex. Meader Brook. For Butter. 28,746; June 2.
Menasha Printing and Carton Company, Menasha, Wis., assignor to C. A. Van Deusen Company, Hudson, N. Y. Meadowbrook. For Butter. 28,747; June 2.
Merchants Wholesale Grocery Co., Philadelphia, Pa. Royal breakfast Coffee. For Coffee. 28,748; June 2.
Miller, I., & Sons, Inc., doing business as The Millerkins Shop, New York, N. Y. Millerkins Shoes for Kiddies. For Shoes for Children. 28,749; June 2.
Miller-Parrott Baking Co., Terre Haute, Ind. Butter Crackers. For Crackers. 28,750; June 2.
Miller-Parrott Baking Co., Terre Haute, Ind. Family Loaf. For Bread. 28,751; June 2.
Milwaukee Paper Box Co., The, Milwaukee, Wis. Rudolph & Bauer Rikisha Candies. For Candy. 28,752; June 2.
Nestor Drug and Chemical Company, Chicago, Ill. Nestor Emulsion of Pure Cod Liver Oil. For Medicinal Preparation for Pulmonary Diseases, Coughs, Colds, and General Debility. 28,753; June 2.
New Jersey Paint Works, Harry Louderbough, Inc., Jersey City, N. J. New Jersey Yacht Copper Paint. For Paint. 28,754; June 2.
New Orleans Hops, Malt & Extract Co., Inc., New Orleans, La. Wurtsburger Blue Label Brand Hopped-Malt Extract. For Malt Extract. 28,755; June 2.
Pioneer Rubber Mills, San Francisco, Calif. Skookum. For Cross-Expansion Spiral Piston Packing. 28,756; June 2.
Quality Cigar Company, Red Lion, Pa. George R. Ray's 46. For Cigars. 28,757; June 2.
Rusconi, Louis, Fresno, Calif. Baby Grapes. For Grapes. 28,758; June 2.
Sal-I-O Company, The, Le Roy, N. Y. Sal-I-O. For Salt. 28,759; June 2.
Schafer, George, Cigar Company, Baltimore, Md. Fire King. For Cigars. 28,760; June 2.
Shaw's Sandwich Shops, Inc., Boston, Mass. Seema Brand Coffee. For Coffee. 28,761; June 2.
Sorver, McEvoy & Co., Philadelphia, Pa. S-M-C. For Coffee. 28,762; June 2.
Southern Peanut Company. (See Huston, Tom.)
Union Wholesale Paint Co. (See Bauer, John E.)
United Fruit Distributing Company, Sacramento, Calif. United. For Fresh Pears. 28,763; June 2.
United States Foil Co., Louisville, Ky. Trickle Ice. For Tinsel. 28,764; June 2.
Upland Lemon Growers Association, Upland, Calif. Lake. For Lemons. 28,765; June 2.
Upland Lemon Growers Association, Upland, Calif. Cub. For Lemons. 28,766; June 2.
Upland Lemon Growers Association, Upland, Calif. Cluster. For Lemons. 28,767; June 2.
Upland Lemon Growers Association, Upland, Calif. Ruf'n Redy. For Lemons. 28,768; June 2.
Upland Lemon Growers Association, Upland, Calif. Sea Gull. For Lemons. 28,769; June 2.
Van Deusen, C. A., Company. (See Menasha Printing and Carton Company, assignor.)
Vita Fish Preserving Works, New York, N. Y. Fish. For Pickled Herring. 28,770; June 2.
Warman, Charles W., Hopewell, N. J. Captain Jack's Quality Candies. For Candy. 28,771; June 2.
Warnock, Philip B. (See Martin, C. R., and Warnock.)
Waxide Paper Company, Kansas City, Mo. Real loaf. For Bread. 28,772; June 2.
Williams, C. B., doing business as C. B. Williams Company, San Francisco, Calif. Sparkle. For Fresh Grapes. 28,773; June 2.
Woolley, Daniel P., New York, N. Y. Faultless. For Bread. 28,774; June 2.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Aromint Mfg. Co., The, Cincinnati, Ohio. Lemon. For Candy. 7,953; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Lime. For Candy. 7,954; June 2.
Aromint Mfg. Co., The, Cincinnati, Ohio. Orange. For Candy. 7,955; June 2.
B. V. D. Company, Inc., The, New York, N. Y. Why Do We Advertise Men's Underwear in a Woman's Magazine? For Athletic Underwear. 7,956; June 2.
B. V. D. Company, Inc., The, New York, N. Y. Better be sure it's "Good old B. V. D." For Athletic Underwear. 7,957; June 2.
Corn Fix Co. Inc., Newark, N. J. Corn Fix. For Remedy for Corns, Calli, and Bunions. 7,958; June 2.
Cream of Wheat Co., Minneapolis, Minn. Eat to keep fit. For Wheat Breakfast Food. 7,959; June 2.
Cream of Wheat Co., Minneapolis, Minn. It's a busy world when you're five. For Wheat Breakfast Food. 7,960; June 2.
Debevoise Company, The, Brooklyn, N. Y. Stir Well—Stir Right To Make Paint Hold Tight. For Paints. 7,961; June 2.
Duo Manufacturing Company, Long Island City, N. Y. Your Jobs Deserve the Duo Sink & Tray Waste. For Plumbing Goods. 7,962; June 2.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Fertility and Hatchability. For Yeast. Especially Dried Yeast Adapted for Use as a Poultry Feed. 7,963; June 2.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Bigger hatches—bigger profits. For Yeast. Especially Dried Yeast Adapted for Use as a Poultry Feed. 7,964; June 2.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. Cut down your baby chick losses. For Yeast. Especially Dried Yeast Adapted for Use as a Poultry Feed. 7,965; June 2.
Fleischmann Company, The, Cincinnati, Ohio, and New York, N. Y. More chicks from every 100 eggs set. For Yeast. Especially Dried Yeast Adapted for Use as a Poultry Feed. 7,966; June 2.
Florsheim Shoe Company, The, Chicago, Ill. The Florsheim Shoe. For shoes. 7,967; June 2.
Glickman, H. I., Los Angeles, Calif. Frostee. For Certain Confection Consisting of a Portion of Ice Cream Chocolate Coated and Placed on a Stick. 7,968; June 2.
Herrick, Will W., Saratoga Springs, N. Y. Wonder-Kure. For Healing Oil. 7,969; June 2.
Jell-O Company, Inc., The, Le Roy, N. Y. Give Apple Snow. For Dessert Preparation. 7,970; June 2.
Jell-O Company, Inc., The, Le Roy, N. Y. Marion Power's Strawberry Jell-O. For Dessert Preparation. 7,971; June 2.
Kane, John F., doing business as Resorts and Playgrounds of America, New York, N. Y. Resorts and playgrounds of America. For a Book or Series of Books. 7,972; June 2.
Marek, Rudolph J., Chicago, Ill. Red Seal Bird. For Canary Birds. 7,973; June 2.
Mathews, Frederick C., Company, Detroit, Mich. Brigade's Drum Major. For Ice Cream. 7,974; June 2.
Menley & James, Limited, New York, N. Y. Iodex—No macula la belleza este nuevo yodo que no mancha. Superior a la Tintura de Yodo. For Iodex Ointment. 7,975; June 2.
Resorts and Playgrounds of America. (See Kane, John F.)
Richardson Corporation, Rochester, N. Y. Liberty Root Beer. For Root Beer. 7,976; June 2.
Richardson Corporation, Rochester, N. Y. Cold Creamy Liberty Root Beer. For Root Beer. 7,977; June 2.
Spiro, Jacob H., San Francisco, Calif. Love-Kissed Wedding Rings for The Bride. For Wedding Rings. 7,978; June 2.
Washburn Crosby Co., Minneapolis, Minn. No breakfast complete without toast. For Gold Medal Flour. 7,979; June 2.
White, A. J., Limited, New York, N. Y. "Yo Quiero Laxol" Aceite de Castor coma Miel los Niños se Lamen la Cuchara y Piden más Laxol. For Laxol. 7,980; June 2.
Willson Goggles, Inc., Reading, Pa. Willson Goggles The Willson name on every frame. For Goggles. 7,981; June 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abseck, Louis, doing business as The Sealastic Co., Brooklyn, N. Y. Ready-mixed paint, paint enamel, prepared shellac, wood and varnish stain. 207,909; June 2.
Actien-Gesellschaft für Anilin-Fabrikation, Berlin, Germany. Agents for destroying parasites. 210,154; June 2.
Air Scale Co., The, Toledo and Delta, Ohio. Regulator valves. 211,396; June 2.
Alabama Bottling Co. Inc., Birmingham, Ala. Beverages and sirups for compounding same. 212,223; June 2.
Alabama Dry Goods Company, Birmingham, Ala. Hosiery, underwear of knitted and textile fabrics, caps, etc. 211,399; June 2.
Amalgamated Roofing Company, Chicago, Ill. Prepared roofing in rolls, etc. 195,793; June 2.
Amalgamated Roofing Company, Chicago, Ill. Prepared roofing, shingles of fibrous material. 195,793; June 2.
American Furnace & Foundry Co., The, Milan, Mich. Hot-air furnaces and water heaters. 211,195; June 2.
American News Company Inc., The, New York, N. Y. Trade journals, pamphlets, or so-called house organs. 211,820; June 2.
Ames Harris Neville Co., San Francisco, Calif. Tents, awnings, canvas hammocks, and sun canopies. 206,988; June 2.
Anaheim Beef Company, Anaheim, Calif. Ham and bacon. 205,259; June 2.
Anchor Paper Company, The, Cincinnati, Ohio. Paper bags. 213,110; June 2.
Aplin & Barrett & The Western Counties Creameries, Limited, Yeovil, Somerset, England. Cheese. 208,372; June 2.
Ar-Jo-La Laboratory. (See Nunn, Walter J.)
Armstrong, C. George, doing business as The Chelmsford Company, Boston, Mass. Beverages. 210,781; June 2.
Art Mix Productions, Inc., Los Angeles, Calif. Motion-picture films. 210,643; June 2.
Ayres, Mrs. Anne, doing business as The Ayres Plum Delight Co., New York, N. Y. Nonalcoholic, maltless beverage sold as a soft drink, and sirups for making same. 211,565; June 2.
Barckhaus, Henry, Staten Island, N. Y. Portable bungalows. 211,819; June 2.
Barker Bread Co., The, Portland, Oreg. Bread. 212,229; June 2.
Battreall & Son, St. Joseph, Mo. Shoes. 210,700; June 2.
Beard, Florence N., doing business as Flor-ee, Cranford, N. J. Hand and face lotion. 212,780; June 2.
Becker, Alfred C., doing business as Martens Read & Co., San Francisco, Calif. Compound of honey and peanut butter. 211,776; June 2.
Bernstein, Cohen & Company. (See Cohen, Samuel J.)
Biondo, Joseph, doing business as Capitol Pharmaceutical Laboratory, Albany, N. Y. Catamenial bandages. 210,223; June 2.
Blackburn Varnish Company, The, Cincinnati, Ohio. Paints, paint enamels, varnishes, stains, etc. 211,011; June 2.
Blayney-Murphy Company, Denver, Colo. Bacon, ham, lard, sausage, boiled shoulder, and dried beef. 207,055; June 2.
Blickman, S., Inc., Weehawken, N. J. Apparatus designed for restaurant and lunch-room service. 201,799; June 2.
Bound Brook Oil-Less Bearing Company, Boundbrook, N. J. Bearings and bushings. 211,972-3; June 2.
Brauer, Carl F., Stettin, Germany. Wax paper, correction varnish, cardboard, etc. 205,318; June 2.
Brown, John A. S., Philadelphia, Pa. Garters. 212,886; June 2.
Brown, Vera E., doing business as De Mais Medical Company, Titusville, Pa. Medicated cream. 210,706; June 2.
Brydle, Fenton R., doing business as Tilo Roofing Company, New York, N. Y. Roofing materials. 194,046; June 2.
Brydle, Fenton R., doing business as Tilo Roofing Company, New York, N. Y. Roofing materials. 194,047; June 2.
Burnham, Stoepel & Company, Detroit, Mich. Sheets, pillowcases, and cotton piece goods, both colored and white. 212,008; June 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Cactus Remedy Co. (See Hixson, Etta.)
California Clay Products Co., Los Angeles and South Gate, Calif. Floor tile, art tile, wall tile. 211,572; June 2.
California Cyanide Company. Los Angeles, Calif. Poisonous powder for destroying rats, mice, squirrels, gophers, and other pests. 213,064; June 2.
California Metal Enameling Co., Los Angeles, Calif. Oil, coal, and gas stoves. 210,345; June 2.
Callaway, H. Ross, Paris, France. Boots, shoes, mules, and slippers, and hosiery. 210,784; June 2.
Calumet Steel Company, Chicago, Ill. Metallic fence-posts. 196,049; June 2.
Campbell Coal Company, Piedmont, W. Va. Coal. 210,348; June 2.
Capitol Pharmaceutical Laboratory. (See Biondo, Joseph.)
Carlova, Inc., New York, N. Y. Hairdressing. 212,713; June 2.
Cast-Tile Manufacturing, The, Toledo, Ohio. Composition flooring, stair treads and risers, door jambs, etc. 209,277; June 2.
Chappell, Allen, & Co., Limited, Bristol, England. Corsets. 212,855; June 2.
Chelmsford Company, The. (See Armstrong, C. George.)
Chemische Fabriken vorm. Weiler-ter-Meer, Uerdingen, Niederrhein, Germany. Dyes and dyestuffs. 210,603; June 2.
Cheney Brothers, South Manchester, Conn. Silk fabrics in the piece. 212,671–4; June 2.
Class Journal Company, The, New York, N. Y. Monthly magazine. 212,784; June 2.
Cluett, Peabody & Co. Inc., Troy, N. Y. Collars and dress and negligee shirts. 210,353; June 2.
Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 211,979; June 2.
Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 212,322; June 2.
Cohen, Joseph H., & Sons, Vanity Clothes Inc., New York, N. Y. Clothing for men—namely, suits, overcoats, tuxedos, etc. 209,617; June 2.
Cohen, Samuel J., doing business as Bernstein, Cohen & Company, Chicago, Ill. Men's, youths' and boys' overalls, unionalls, or coveralls, play suits, etc. 207,778; June 2.
College Inn Food Products Company, also doing business as Hotel Sherman Company, Chicago, Ill. Mayonnaise in powdered form. 207,179; June 2.
College Inn Food Products Company, Chicago, Ill. Cooked and canned food products—namely, onion soup, crab gumbo, etc. 212,889; June 2.
Collins Company, The, Collinsville, Conn. Cane knives 211,156; June 2.
Colonial Engraving Company, Boston, Mass. Time, desk, dating, and certification stamps. 212,856; June 2.
Congoleum-Nairn Inc., New York, N. Y. Prepared floor coverings of the oiled-cloth type. 210,289; June 2.
Connolly, Joseph, New York, N. Y. Sweaters, scarfs, golf hose, half hose, etc. 202,243; June 2.
Cook, George L., Los Angeles, Calif. Sandwiches formed of pop-corn confections and crackers. 197,586; June 2.
Daniels & Company, Edwin F., Chicago, Ill. Bituminous coal. 186,873; June 2.
David, John, New York, N. Y. Sweaters and jackets. 209,565; June 2.
Davis Detroit Pant Manufacturing Co., Inc., Detroit, Mich. Men's pants. 207,919; June 2.
Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's coats, vests, pants, etc., and women's and children's topcoats and coats and knickerbockers. 211,837; June 2.
De Mais Medical Company. (See Brown, Vera E.)
Dex Manufacturing Co., Reno, Nev. Compound used in bread making. 207,812; June 2.
Di Noia, John, doing business as John Di Noia & Sons, New York, N. Y. Nonalcoholic, maltless extract or sirup used in the preparation of beverages. 211,574; June 2.
Druid Oak Belting Company, Inc., The, Baltimore, Md. Leather waist belts. 213,068; June 2.
D'Ruvyl. (See La Fleur Laboratories.)
Eagle Woodenware Manufacturing Company, The, Hamilton, Ohio. Mop wringers. 207,921; June 2.
Ellison Brass Manufacturing Company, Jamestown, N. Y. Radiator caps. 206,226; June 2.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,067; June 2.
Empire Milling Company, Minneapolis, Minn. Hog feed. 210,721; June 2.
Empire Petroleum Co., The, Toledo, Ohio. Lubricants and liquid fuel. 211,088; June 2.
Erickson, C. E., Co., Inc., Des Moines, Iowa. Automobile radiator protectors. 210,652; June 2.
Estes & Blum, Inc., New York, N. Y. Piece goods of silk, silk and cotton, silk and linen, etc. 213,288; June 2.
Estonian Match Industry "Lendra" Ltd., Tallinn, Esthonia. Safety matches. 200,139; June 2.
Ethyl Gasoline Corporation, Moraine City, Dayton, Ohio. Antiknock compounds for motor fuel. 211,994; June 2.
Faultless Rubber Company, The, Ashland, Ohio. Golf balls. 207,238–9; June 2.
Feldbaum & Spiegel, Inc., New York, N. Y. Fur garments. 212,376; June 2.
Feldstein Bros. & Co., New York, N. Y. Men's and boys' caps. 211,413; June 2.
Fessenden, De Witt H., New York, N. Y. Magazine known as Sketch Book. 212,377; June 2.
Feuerstein, Bernard L., doing business as Pennsylvania Oil & Refining Co. of New York, New York, N. Y. Lubricating oils and greases. 210,959; June 2.
Fields-Watkins Company, Inc., Lynchburg, Va. Dress, work, and negligee shirts, hosiery, belts, etc. 211,024; June 2.
Fillmore Citrus Fruit Association, Fillmore, Calif. Fresh citrous fruits—namely, oranges, lemons, and grapefruit. 211,414; June 2.
Fish-Schurman Corporation, New York, N. Y. Preparation for use in priming surfaces, refinishing old paint and varnish, etc. 212,790; June 2.
Fisk, D. B., & Company, Chicago, Ill. Ladies' and misses' hats. 211,584; June 2.
Fitler, Edwin H., Co., The, Philadelphia, Pa. Spun, lath, and fodder yarns. 191,947; June 2.
Fitts-Smith Dry Goods Company, Kansas City, Mo. Ladies' ready-to-wear coats, suits, dresses, and aprons. 212,427; June 2.
Flambaft, Harry, doing business as Ibis Perfumer, New York, N. Y. Chemical preparation suitable for curling of the hair. 211,996; June 2.
Flor-ce. (See Beard, Florence N.)
Fulton Bag & Cotton Mills, Atlanta, Ga. Tent duck and drill materials. 182,748; June 2.
Geery, Henry S., doing business as The Hoxite Company, Stamford, Conn. Fluxes. 212,728; June 2.
Gelvin, H. L., doing business as Red Grange Company, Champaign, Ill. Men's hose. 211,267; June 2.
Girard Wrench Manufacturing Company, Girard, Pa. Wrenches. 174,897; June 2.
Goodman, A., & Sons Inc., New York, N. Y. Tea matsoths. 200,678; June 2.
Great Lakes Varnish Works, Inc., Chicago, Ill. Oil stains. 213,296; June 2.
Great Lakes Varnish Works, Inc., Chicago, Ill. White enamel undercoating. 213,299–300; June 2.
Greenberg, Chas., New York, N. Y. Men's and young men's suits, overcoats, etc. 211,028; June 2.
Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co., Goslar, Germany. Multiplying apparatus and accessories. 200,356; June 2.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, wool, cotton, linen, and mixtures thereof piece goods. 213,079; June 2.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods of silk, wool, cotton, etc. 213,081; June 2.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of wool. 213,082; June 2.
Harlem Chemical Co. (See Hecht, Samuel.)
Harmon & Harmon, Springfield, Ill. Neckties and scarfs. 194,537; June 2.
Hecht, Samuel, doing business as Harlem Chemical Co., Long Island City, N. Y. Automobile polish and lemon-oil polish. 212,001; June 2.
Heller & Merz Company, The, Newark, N. J., and New York, N. Y. Butter color. 190,375; June 2.
Hill & Hill Distilling Company, Owensboro, Ky., and Cincinnati, Ohio. Whisky. 206,346; June 2.
Hirsch & Glantzman, New York, N. Y. Infants' and children's dresses. 211,270; June 2.
Hixson, Etta, doing business as Cactus Remedy Co., Kansas City, Mo. Remedy for corns and calli. 212,815; June 2.
Hobe Button Co. Inc., New York, N. Y. Buttons not of precious metal. 211,097–9; June 2.
Hobe Button Co. Inc., New York, N. Y. Buttons not of precious metal. 211,101–4; June 2.
Hoffman Process Company, The, Pittsburgh, Pa. Pickling compound. 195,643; June 2.
Holliston Mills Inc., The, Norwood, Mass. Spot remover and cleaner. 202,501; June 2.
Horlacher Brewing Co. Inc., The, doing business as The Horlacher Co., Allentown, Pa. Nonalcoholic, maltless beverages sold as soft drinks and sirups and extracts for making same. 211,532; June 2.
Hotel Sherman Company. (See College Inn Food Products Company.)
Houbigant, Inc., New York, N. Y. Perfumes, toilet waters and powder. 211,593; June 2.
Hoxite Company, The. (See Geery, Henry S.)
Humble Oil & Refining Company, Houston, Tex. Refined and unrefined oils made from petroleum. 212,816; June 2.
Hyman, Max, & Son, Inc., New York, N. Y. Men's and boys' dress, sport, work, and negligee shirts. 211,476; June 2.
Hyman & Oppenheim, New York, N. Y. Coiffure hairpins. 211,594; June 2.

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Ibis Perfumer. (See Flambaft, Harry.)
Independent Oil Men of America, Chicago, Ill. Gasoline and lubricating oils and greases. 212,267–8; June 2.
International Braid Company, Providence, R. I. Shoe, corset, underwear, and blouse lacings, etc. 211,106; June 2.
International Marine Products Company, Chicago, Ill. Canned rock lobster. 206,786; June 2.
International Paper Company, New York, N. Y. Writing paper and printing paper. 212,156; June 2.
International Service Co., The, Cleveland, Ohio. Portable savings banks. 211,477; June 2.
Jack Beverages, Inc., New York, N. Y. Beverage. 204,774; June 2.
Jacobs, Grossman and Rosenberg, Philadelphia, Pa. Children's frocks and dresses. 209,040; June 2.
Jacobson, Charles F., New York, N. Y. Men's cravats and neckties. 211,683; June 2.
Johnson, Alfred, Skate Co., The, Chicago, Ill. Ice skates. 210,170; June 2.
Johnson, Herbert, London, England. Women's, men's, and boys' hats. 207,385; June 2.
Joslin, Dr., Medical Co. (See Wholey, Daniel J.)
Kaddie Klub Knitwear Inc., New York, N. Y. Combination sweater vest. 206,312; June 2.
Kall Manufacturing Co., Philadelphia, Pa. Compound used for boiling off gum, etc., from pure silk. 212,143; June 2.
Katz, Frank, Hat Co., Inc., New York, N. Y. Men's hats. 211,275; June 2.
Kaufmann, Max, & Co., Inc., New York, N. Y. Cotton, silk, and cotton and silk fabrics. 213,249–50; June 2.
Keeling, Addie, Norfolk, Va. Massage crème. 206,696; June 2.
Kennedy, S. M., doing business as Smoothe Hand Cleaner Co., Los Angeles, Calif. Hand soap-paste cleanser. 207,744; June 2.
Kent-Costikyan Trading Company, Inc., New York, N. Y. Textile carpets. 207,682; June 2.
Kimball, C. M., Company, Winthrop, Mass. Furniture polish. 211,481; June 2.
La Fleur Laboratories, doing business as D'Ruvyl, Cleveland, Ohio. Chemical preparations suitable for curling and waving of the hair. 212,787; June 2.
Laher Auto Spring Co. Inc., Seattle, Wash. Automobile, truck, and railway springs. 178,448; June 2.
Larkin Co. Inc., Buffalo, N. Y. Coffees, teas, olive oil, ice-cream powders, flavors, etc. 193,296; June 2.
Lawrens, William F., Long Beach, Calif. Tooth paste and mouth wash. 212,819; June 2.
Lee Paper Company, Vicksburg, Miss. Bond and ledger papers. 212,561; June 2.
Lerner, Leopold, doing business as The Metropolitan Neckwear Co., New York, N. Y. Neckties. 199,068; June 2.
Lewis, John B., doing business as J. B. Lewis Chemical Co., Philadelphia, Pa. Liquid bleaching solution or detergent. 212,006; June 2.
Little Doctor Medicine Co., Inc., Dallas, Tex. Remedies for the relief of coughs, colds, grip, etc. 212,936; June 2.
Loveless, S. E., Inc., Philadelphia, Pa. Pies. 212,275; June 2.
M. & K. Handkerchief Manufacturers, New York, N. Y. Handkerchiefs. 210,801; June 2.
Mack, Chas. Douglis, Co. Inc., New York, N. Y. Overcoats, suits, coats, vests, and trousers separately. 209,898; June 2.
Marquette Coal Company, Albany, N. Y. Coal. 200,505; June 2.
Marshall, Byrd, Co., Port Huron, Mich. Coats for men, women, and children. 207,185; June 2.
Marshall Haywood, La Fayette, Ind. Periodical. 213,084; June 2.
Marshmallow Cream Company, The, Allegan, Mich. Creams for chapped hands and face. 208,718; June 2.
Martens Read & Co. (See Becket, Alfred C.)
Master Builders Company, The, Cleveland, Ohio. Stone and stonelike blocks, sheets, and slabs. 211,855; June 2.
Meier, Lewis, & Company, Indianapolis, Ind. Workmen's overalls, shirts, and pants. 208,527; June 2.
Mentopine Corporation, The, Wilmington, Del., and Philadelphia, Pa. Candies. 194,654; June 2.
Metropolitan Neckwear Co. (See Lerner, L., assignee.)
Michigan Book Binding Company, The, Detroit, Mich. Portfolios. 210,740; June 2.
Mid West Apiaries. (See Mitton, Major.)
Miller's, Jacob, Sons Co., Inc., Philadelphia, Pa. Cotton, silk, linen, and mixtures of the same all in the piece. 213,183; June 2.
Miltenberger, Ed., & Sons, Eaton, Ohio. Nonalcoholic, maltless, carbonated beverages. 211,940; June 2.
Minutoli, Saint, doing business as Saint Minutoli Cigar Co., Tampa, Fla. Cigars. 193,470; June 2.
Mitton, Major, doing business as Mid West Apiaries, Cicero, Ill. Bottled honey. 210,680; June 2.
Moseley, Berry C., doing business as B. C. Moseley & Co. and Moseley & Hatcher, Roanoke, Va. Canned vegetables. 212,942; June 2.
Mountain States Rubber Company. (See Oriob, Rudolph.)
Mutual Thread Company, New York, N. Y. Threads and yarns. 207,990; June 2.
Naamloose Vennootschap Maatschappij Ago tot het Verwerken, Veredelen en Drogen van Hout, Ter-Apel, Netherlands. Compressed wood laths, siding, etc. 206,748; June 2.
National Department Stores Inc., New York, N. Y. Sporting goods. 200,514; June 2.
National Department Stores Inc., New York, N. Y. Wall paper and toilet paper. 200,519; June 2.
National Paper Products Co., San Francisco, Calif. Building paper and paper linens. 210,181; June 2.
National Shirt Shops, Inc., New York, N. Y. Dress and negligee shirts. 211,605; June 2.
Natural Process Chocolate Corporation, The, Philadelphia, Pa. Chocolate beverage sold as a soft drink. 211,176; June 2.
Neal, Euen V., doing business as Tokalon, New York, N. Y. Face powder. 208,603; June 2.
Neuhoff Packing Company, Nashville, Tenn. Ham, special sugar-cured shoulder, breakfast bacon, etc. 202,178; June 2.
Nico Wax Company, Los Angeles, Calif. Prepared wax for polishing and preserving floors, woodwork, or linoleum. 209,498; June 2.
North American Lace Company, Philadelphia, Pa. Woven fabric insertions, scarfs, and bed sets. 211,872; June 2.
Nowak, Carl A., doing business as Nowak Laboratories, St. Louis, Mo. Nonalcoholic, maltless beverage sold as a soft drink. 209,136; June 2.
Nunn, Walter J., doing business as Ar-Jo-La Laboratory, New Orleans, La. Salve for treating baldness. 205,652; June 2.
Old Monk Olive Company, Chicago, Ill. Canned and bottled olives and cherries. 202,062; June 2.
Oliver Bros., Philadelphia, Pa. Men's and women's hosiery. 209,255; June 2.
Oriob, Rudolph, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Asbestos and rubber sheet packing. 211,116; June 2.
Oriob, Rudolph, doing business as Mountain States Rubber Company, Salt Lake City, Utah. Belting, hose, asbestos and rubber packings and lacing. 211,487; June 2.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 212,955; June 2.
Paragon Distributing Corporation, New York, N. Y. Face and talcum powders, cold cream, rouge, lip sticks, etc. 212,958; June 2.
Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 210,809; June 2.
Peerless Confection Company, Chicago, Ill. Hard candies and filled confections. 192,495; June 2.
Pennsylvania Oil & Refining Co. of New York. (See Feuerstein, Bernard L.)
Perego, Michele, Renate, Milan, Italy. Blankets, bed covers, coverlets, and bedspreads. 206,225; June 2.
Perry Knitting Company, The, Perry, N. Y. Children's sleeping garments. 206,626; June 2.
Phillips Sisters, New York, N. Y. Candy. 194,614; June 2.
Pierce, Robert J., Inc., New York, N. Y. Nursing-bottle nipples, fountain syringes, etc. 206,630; June 2.
Pine Pillow Company, The, New York, N. Y. Pillows. 188,721; June 2.
Pioneer Paper Company, Los Angeles, Calif. Asphalt roofing compound. 210,749; June 2.
Plant Products Company, Baltimore, Md. Odorless fertilizer. 212,829; June 2.
Pontiac Oil Company, The, Cleveland, Ohio. Gasoline. 204,628; June 2.
Pratt Food Co., Philadelphia, Pa. Animal and poultry foods or feeds. 210,408; June 2.
Princeville Canning Co. (See Truitt, Henry.)
Pulvolac Co. of America, Inc., The, New York, N. Y. Powdered milk containing cod-liver oil. 212,964; June 2.
Railton, B. A., Co., Chicago, Ill. Tartaric and citric acids, denatured alcohol, baking powder, bluing, etc. 205,779; June 2.
Randall, Helen K., Freeport, Me. Greeting cards. 191,978; June 2.
Raybestos Company, The, Bridgeport, Conn. Brake and clutch linings. 207,949; June 2.
Red Grange Company. (See Gelvin, H. L.)
Red Top Malt Extract Company, The, Cincinnati, Ohio. Malt extract for food purposes. 206,259; June 2.
Reinschild Chemical Co., The, New York, N. Y. Serum treatment for tuberculosis. 211,948; June 2.
Reinschild Chemical Co., The, New York, N. Y. Serum for the treatment of the nerves. 211,949; June 2.
Renney, L. E., Stockton, Calif. Radio-receiving-apparatus station log. 211,542; June 2.
Richardson & Boynton Co., New York. Tank heaters and furnaces, heating systems, gas ranges, etc. 193,859; June 2.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Richfield Oil Company, Los Angeles, Calif. Gasoline. 211,617; June 2.
Richfield Oil Company, Los Angeles, Calif. Flushing oil for motors. 212,202; June 2.
Rodrigues, Faustino, Habana, Cuba. Preparation for dyeing the hair. 207,405; June 2.
Roxana Petroleum Corporation, St. Louis, Mo. Lubricating oil. 212,754; June 2.
Rudolph & Bauer, Louisville, Ky. Sugared pop corn. 205,954; June 2.
Ryder, Albert E., doing business as A. E. Ryder Co., Cotuit, Mass. Paint restorer and preservative. 211,871; June 2.
St. Louis Pump & Equipment Company, St. Louis, Mo. Hand-operated liquid measuring and dispensing apparatus. 211,766; June 2.
Salomon Stern Ltd. of America, New York, N. Y. Hosiery. 210,858; June 2.
Sanitary Fibre Co. Inc., Syracuse, N. Y. Sanitary absorbent pads. 209,500; June 2.
Sartorius, A., & Co., Inc., New York, N. Y. Prepared colors. 208,615; June 2.
Sauer, C. F., Company, The, Richmond, Va. Medicinal preparation for rheumatism, etc. 202,183; June 2.
Schaefer, Dr. Henry M., doing business as Snowite Products Company, Chicago, Ill. Liquid bluing and ammonia. 212,207; June 2.
Schloss, Adolphe, Fils & Cie., Paris, France. Hand bags, pocketbooks, innovation trunks, etc. 208,428; June 2.
Scidmore, Frederick, Dundee, Ill. Automobile polish. 212,899; June 2.
Sealastic Co., The. (See Abeock, Louis.)
Security Mills, Inc., Newton, Mass., and New York, N. Y. Sweaters, sport coats, jackets, and slip-ons. 205,448; June 2.
Service Products Manufacturing Co., The, Chicago, Ill. Preparations for rejuvenating platens of typewriters, etc. 212,104; June 2.
Shane, Norman A., doing business as Southern Sweat Pad Company, Evansville, Ind. Horse-collar pads. 209,702; June 2.
Shawinigan Products Corporation, New York, N. Y. Carbon black, particularly acetylene black. 211,129; June 2.
Sheed, Chas. W., doing business as Charles Sheed, Albany, N. Y. Coffee. 209,753; June 2.
Sherman, George, doing business as Sherman Paper & Box Co., Boston, Mass. Pan liners. 212,647; June 2.
Sherwin-Williams Company, The, Cleveland, Ohio. Nitrocellulose lacquers and enamels, undercoatings, and thinners. 212,756; June 2.
Shouse-Fulp Cigar Company, Winston-Salem, N. C. Cigars. 211,808; June 2.
Siegheim, Bruno E., London, England. Vacuum flasks and similar vacuum vessels. 212,854; June 2.
Simplex Shoe Manufacturing Company, Milwaukee, Wis. Leather shoes. 211,712–13; June 2.
Sklar Manufacturing Co., J., New York, and Brooklyn, N. Y. Flexible connecting arm for positioning and holding electric lamps. 190,276; June 2.
Sleeper, Sherburne H., Portland, Me. Automobile tables. 211,806; June 2.
Smith, James H., Turlock, Calif. Fresh vegetables—namely, fresh lettuce. 211,430; June 2.
Smith, James P., & Company, New York, N. Y. Cherries, marrons glacés, peas, mushrooms, etc. 194,956; June 2.
Smith, Kline & French Company, Philadelphia, Pa. Aromatic cascara almond cream, alcohol for bathing and rubbing, etc. 211,132; June 2.
Smoothe Hand Cleaner Co. (See Kennedy, S. M.)
Snowite Products Company. (See Schaefer, Dr. Henry M.)
Societe Anonyme des Forces Motrices de la Vallee d'Aspe, Paris, France. Crystallized aluminous abrasive material. 211,061; June 2.
Sembart, William E., Boonville, Mo. Medicinal preparation used in the treatment of eczema. 211,953; June 2.
Southern Sweat Pad Company. (See Shane, Norman A.)
Spartan Mills, Spartanburg, S. C. Cotton piece goods. 211,298; June 2.
Spencer Thermostat Company, Cambridge, Mass. Valves. 204,204; June 2.
Sphinx Motor Oil Company, Los Angeles, Calif. Motor oils. 211,431; June 2.
Sportocasin Co., The, Yarmouth, Me. Shoes. 212,461; June 2.
Staff, Lucile, Inc., New York, N. Y. Gowns, tailor-made suits, coats, underwear, lingerie, etc. 199,655; June 2.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 209,825; June 2.
Standard Oil Company of New York, New York, N. Y. Petroleum and products of petroleum, with or without admixture of other materials. 206,599; June 2.
Standard Varnish Works, New York, N. Y. Varnishes, stains, fillers, lacquers, first coaters, and primers. 212,209; June 2.
Star Mattress Company, Oakland, Calif. Mattresses. 212,407; June 2.
Steppacher, Walter M., & Bro. Inc., Philadelphia, Pa. Shirts, pyjamas, and men's textile underwear. 210,620; June 2.
Sunrise Oil Company, Minneapolis, Minn. Gasoline, kerosene, lubricating oils, and greases. 211,553; June 2.
Tar Products Corporation, Providence and East Providence, R. I. Shingle stains. 212,218–19; June 2.
Technical Glass Company, Incorporated, Los Angeles, Calif. Builders' glass hardware—namely, glass knobs, drawer pulls, etc. 211,238; June 2.
Textile Shirt Company, The, Cincinnati, Ohio. Men's dress and negligee shirts and men's underwear of textile fabrics. 211,067; June 2.
Thomas, R., & Sons Co., The, East Liverpool, Ohio. Monthly publication. 212,761; June 2.
Tiley Pratt Co., The, Essex, Conn. Steel spokes. 211,633; June 2.
Tillman & Bendel, Inc., San Francisco, Calif. Canned tomatoes. 210,024; June 2.
Tillman & Bendel, Inc., San Francisco, Calif. Canned oysters. 210,149; June 2.
Tilo Roofing Company. (See Brydle, Benton R.)
Tinto Corporation, Newark, N. J. Hair dye. 212,975; June 2.
Tokalon. (See Neal, Euen V.)
Truitt, Henry, doing business as The Princeville Canning Co., Princeville, Ill. Canned vegetables. 208,983; June 2.
Turner & Stanton Company, The, Norwich, Conn. Picture wire, shade cord, chalk lines, etc. 211,309; June 2.
Turner & Vandam, Inc., New York, N. Y. Cotton and silk and cotton piece goods. 213,151; June 2.
United Fig & Date Co., The, Chicago, Ill. Flavored peanut butter. 211,142; June 2.
United Manufacturing Company, Portland, Oreg. Mattresses. 210,590; June 2.
U. S. Wrench Mfg. Co. Inc., Washington, D. C. Wrenches. 211,724; June 2.
Valentine & Company, New York, N. Y. Primers, surfacers, or paint undercoatings, solvents, etc. 210,935; June 2.
Vanasse, Felix, and Joseph Drouin, New York, N. Y. Composition of chemical substances serving as a filler, etc., in paint mixtures. 201,783; June 2.
Varcraft Works Inc., Pottstown, Pa. Paint. 212,413; June 2.
Venus, Inc., The, Oakland, Calif. Candy. 206,806; June 2.
Victor Manufacturing & Gasket Co., Chicago, Ill. Gaskets. 211,769; June 2.
Victorius, A. V., & Co., New York, N. Y. Hosiery. 208,268; June 2.
Walls, Lester R., Co., Inc., New York, N. Y. Cotton, silk, wool, and linen textiles in the piece and combinations of same. 209,954; June 2.
Walworth Manufacturing Company, Boston, Mass. Pipe fittings and valves. 211,640; June 2.
Washburn Company, The, Worcester, Mass. Displays or stocks of stamped and wire kitchenware. 197,642; June 2.
Washburn-Crosby Company, Minneapolis, Minn. Semolina and durum wheat flour. 174,047; June 2.
Wechsler Barbee Silk Company, Inc., New York, N. Y. Silk piece goods. 212,842; June 2.
Weldum Products Company, Indianapolis, Ind. Soot destroyer. 211,963; June 2.
Wenz, Mary L., doing business as Henry Wenz, Boston, Mass. Chocolate. 185,067; June 2.
Western Machine Tool Works, Holland, Mich. Metal-drilling machinery. 211,509; June 2.
Wholey, Daniel J., doing business as Dr. Joslin Medical Co., Lowell, Mass. Ointment for treatment of whooping cough, colds, hay fever, etc. 212,514; June 2.
Williams Bros. Aircraft Corporation, San Francisco, Calif. Combined nut and washer. 210,107; June 2.
Winkworth & Company, Detroit, Mich. Medicinal preparation indicated in dental premedication, neuralgia, etc. 211,646; June 2.
Wolf, J. & M., New York, N. Y. Ladies' hosiery. 206,887; June 2.
Woman's Viewpoint Publishing Company, The, Houston, Tex. Periodicals. 212,660; June 2.
Wyandot Clay Products Company, Upper Sandusky, Ohio. Bricks. 193,877; June 2.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. O'Gara Coal Company. 199,179; June 2; Serial No. 193,950; published May 27, 1924.
Coal. Temple Fuel Company. 199,276; June 2.
Condensation products of phenols and formaldehyde. Bakelite Corporation. 199,128; June 2; Serial No. 206,652; published Mar. 10, 1925.
Fur skins. S. Rubinton. 199,131-2; June 2; Serial Nos. 206,594–5; published Mar. 3, 1925.
Furs. L. Hermsdorf. 199,144; June 2; Serial No. 206,413; published Mar. 17, 1925.
Granite. Stony Creek Granite Company. 199,130; June 2; Serial No. 206,600; published Mar. 3, 1925.
Ice. Service Ice Company of Paterson, Inc. 199,168; June 2; Serial No. 203,978; published Mar. 3, 1925.
Leather. Gutmann and Company. 199,239; June 2.
Leathers. Pfister & Vogel Leather Company. 199,195; June 2; Serial No. 207,472; published Mar. 3, 1925.
Onion sets. E. E. Harrington. 199,200; June 2; Serial No. 207,015; published Feb. 24, 1925.
Peat and burlap. Half Moon Manufacturing & Trading Company. 199,280; June 2.
Peat moss. Atkins & Durbrow, Inc. 199,135–6; June 2; Serial Nos. 206,506–7; published Mar. 3, 1925.
Seed, Alfalfa. Idaho Grimm Alfalfa Seed Growers Association, Inc. 199,142; June 2; Serial No. 205,603; published Mar. 3, 1925.
Seed, Timothy. E. W. Conklin & Son. 46,741; renewed Oct. 3, 1925.

CLASS 2.

Bags, Burlap. R. C. Hyland. 199,157; June 2; Serial No. 208,707; published Mar. 24, 1925.
Barrels, kegs, pails, and buckets, and parts thereof. Chickasaw Cooperage Company. 45,885; renewed Aug. 29, 1925.
Receptacles, Sheet-metal. C. L. Campbell. 199,039; June 2; Serial No. 204,217; published Mar. 24, 1925.

CLASS 3.

Bits, Safety driving. W. Van Arsdale. 47,440; renewed Nov. 7, 1925.

CLASS 4.

Composition for use in polishing and buffing. Hanson & Van Winkle Company. 199,260; June 2.
Paste for removing spots and stains. A. Falk. 37,089; renewed Sept. 24, 1925.

CLASS 6.

Absorbents, alteratives, analgesics, etc. E. Fougera & Co. 199,022; June 2; Serial No. 204,900; published Mar. 17, 1925.
Antiseptic, astringent, and deodorant. L. I. Weiner. 199,069; June 2; Serial No. 206,704; published Mar. 17, 1925.
Antiseptic cones. B. F. Michael. 199,098; June 2; Serial No. 207,751; published Mar. 10, 1925.
Antiseptic, disinfecting, and cleaning compound. G. D. Taylor. 199,219; June 2; Serial No. 208,365; published Mar. 10, 1925.
Antiseptic epithelial proliferant. W. J. Dunne. 199,002; June 2; Serial No. 198,847; published Dec. 16, 1924.
Antiseptics. Speyer & Grund. 26,906; renewed Aug. 6, 1925.
Bluing, Liquid. Luther Ford & Company. 199,106; June 2; Serial No. 207,465; published Mar. 3, 1925.
Casein plastic. Karolith Corporation. 199,024; June 2; Serial No. 204,711; published Mar. 17, 1925.
Chemical and medical products. Vereinigte Chininfabriken Zimmer & Co. 26,784; renewed July 9, 1925.
Coal-tar intermediate products, artificial indigo, aniline oil, etc. Kalle and Company, Aktiengesellschaft. 199,008; June 2; Serial No. 198,749; published Mar. 10, 1925.
Cough candy, Medicinal. J. Horn. 199,084; June 2; Serial No. 208,630; published Mar. 17, 1925.
Cream of petroleum for the toilet. A. P. Stevens. 27,053; renewed Sept. 10, 1925.
Creams and waters, perfumes, face powders, and rouges, Toilet. S. S. Levy. 198,984; June 2; Serial No. 189,940; published Mar. 3, 1925.
Creams, Bleach, cold, and vanishing. Admiralo Chemical Co. 199,224; June 2; Serial No. 208,215; published Mar. 10, 1925.
Creams, corn remedy, etc., Face. J. G. Bode, Jr. 198,998; June 2; Serial No. 200,609; published Mar. 10, 1925.
Curling fluid, depilatory, hand lotion, etc. Guilmet & Peters. 199,057; June 2; Serial No. 193,827; published Mar. 17, 1925.
Dye, Aniline. Sands & Ross, Inc. 198,983; June 2; Serial No. 189,735; published Mar. 10, 1925.
Epithelial proliferant. W. J. Dunne. 199,001; June 2; Serial No. 198,848; published Dec. 16, 1924.
Fat reducer. E. Bajanova. 199,091; June 2; Serial No. 207,645; published Mar. 17, 1925.
Foot balm, chilblain lotion, etc. Scholl Manufacturing Company. 199,000; June 2; Serial No. 199,252; published Mar. 10, 1925.
Hair, Chemical composition for use in curling. I. L. Hutton. 199,008; June 2; Serial No. 105,757; published Mar. 10, 1925.
Hair dyes. C. Damschinsky. 46,086; renewed Sept. 5, 1925.
Hair restoratives. B. F. Kerr. 46,923; renewed Oct. 17, 1925.
Hair restorer and tonic. M. C. Thomas. 198,970; June 2; Serial No. 181,921; published Mar. 17, 1925.
Insecticides. Talbot Manufacturing Co. 199,275; June 2.
Laxative, Candy. A. Szabo. 198,990; June 2; Serial No. 201,822; published Mar. 3, 1925.
Liniments, cough sirup, nerve tonic, etc. Dixie Medicine Company. 198,995; June 2; Serial No. 200,985; published Mar. 10, 1925.
Liquor for impregnating textile, wood, etc., material. H. S. R. Chemical Products, Inc. 199,119; June 2; Serial No. 207,134; published Mar. 10, 1925.
Lotion or cosmetic. Agee Drug Company. 199,281; June 2; Serial No. 208,029; published Mar. 17, 1925.
Medicinal preparation for cure of diseases of the blood and skin. Eli Lilly & Company. 45,794; renewed Aug. 29, 1925.
Medicine for animals. H. M. Miller. 199,083; June 2; Serial No. 206,254; published Mar. 17, 1925.
Medicine for phthisis. Dansk Chemo-Therapeutisk Selskab ved Ferd. Andersen, I. Sleabye & H. Weitzmann. 198,992; June 2; Serial No. 201,745; published Mar. 10, 1925.
Medicine for the treatment of forms of blood and skin diseases. H. E. Storey. 199,238; June 2; Serial No. 207,898; published Mar. 17, 1925.
Medicine for the treatment of kidney or bladder trouble. E. H. Smith. 199,012; June 2; Serial No. 205,614; published Mar. 17, 1925.
Medicine for treating colds and catarrh. S. Bookstaber, 199,075; June 2; Serial No. 206,512; published Mar. 10, 1925.
Medicine for treatment of eczema. A. D. McLain. 199,234; June 2; Serial No. 207,986; published Mar. 10, 1925.
Medicine for tuberculosis. C. Knickerbocker. 199,031; June 2; Serial No. 208,474; published Mar. 10, 1925.
Oil, Extract of cod-liver. Henry S. Wampole Company. 199,237; June 2; Serial No. 207,901; published Mar. 17, 1925.
Oil, Mineral. Standard Oil Company (New Jersey). 199,006; June 2; Serial No. 199,093; published Mar. 17, 1925.
Ointment for burns, cuts, etc. A. Carey. 198,987; June 2; Serial No. 200,669; published Mar. 17, 1925.
Ointments and creams for skin troubles. F. Nicotra. 198,976; June 2; Serial No. 186,522; published Mar. 17, 1925.
Ointments, Medicinal. J. Behre. 199,054; June 2; Serial No. 192,814; published Mar. 10, 1925.
Perfume base, Synthetic. A. M. Todd Company. 199,227; June 2; Serial No. 208,117; published Mar. 17, 1925.
Perfume, toilet water, face and talcum powders, etc. R. Desseignes. 199,102; June 2; Serial No. 207,828; published Mar. 10, 1925.
Perfumes and hygienic products. Société Worth. 199,026; June 2; Serial No. 202,420; published Mar. 17, 1925.
Perfumes and hygienic products. Société Worth. 199,065; June 2; Serial No. 196,977; published Mar. 10, 1925.
Perspiration powder. M. Armenteros. 199,061; June 2; Serial No. 195,937; published Mar. 10, 1925.
Pharmaceutical preparation. Society of Chemical Industry in Basle. 199,105; June 2; Serial No. 207,892; published Mar. 10, 1925.
Powders and creams, perfumes, toilet waters, etc., Face. B. Jankel. 199,010; June 2; Serial No. 205,697; published Mar. 17, 1925.
Preparation for cleaning clogged sewer and drain pipes. W. A. Wescott. 199,236; June 2; Serial No. 207,957; published Mar. 17, 1925.
Preparation for stomach and intestinal conditions. D. Wróblewski. 199,235; June 2; Serial No. 207,958; published Mar. 17, 1925.
Preparation for the treatment of rheumatism, etc. Radway & Company. 199,013; June 2; Serial No. 205,549; published Mar. 17, 1925.

Preparation for treatment of autoxemia, peristaltic stasis, and defective metabolism. C. E. Woolliams. 198,985; June 2; Serial No. 190,141; published Mar. 3, 1925.

Product for use in connection with the removal of ceresin gum from silk. Onyx Oil & Chemical Co. 199,283; June 2.

Remedy for neuralgia, sciatica, etc., Internal. J. Logeais. 199,220; June 2; Serial No. 208,352; published Mar. 10, 1925.

Rouge, Prepared. J. R. Cole. 199,019; June 2; Serial No. 205,149; published Mar. 10, 1925.

Salve for corns and calli. N. R. Shipley. 199,040; June 2; Serial No. 204,282; published Mar. 17, 1925.

Shampoos and rubbing alcohol. B. Jacobson. 199,063; June 2; Serial No. 196,460; published July 22, 1924.

Tonic and purgative oil emulsions. Douglas-Pectin Corporation. 199,120; June 2; Serial No. 207,123; published Mar. 17, 1925.

Tonics, Medical. Maas & Waldstein Co. 45,286; renewed Aug. 8, 1925.

Tooth paste, antiseptics, and mouth washes. American Chicle Company. 199,115; June 2; Serial No. 207,286; published Mar. 3, 1925.

Tooth paste, face powder, hairdressings, etc. Rash Manufacturing Company. 198,973; June 2; Serial No. 185,619; published Mar. 10, 1925.

Veterinary remedy. Dr. B. J. Kendall Company. 45,697–8; renewed Aug. 29, 1925.

CLASS 9.

Explosives. Dumor National Chemical Company. 199,226; June 2; Serial No. 208,129; published Mar. 10, 1925.

Firework. Detonating. Essex Specialty Company. 199,103; June 2; Serial No. 207,868; published Mar. 10, 1925.

Torpedoes and luminous fog signals, Explosive. F. L. Wanklyn. 199,185; June 2; Serial No. 153,750; published Mar. 10, 1925.

CLASS 12.

Asbestos and / or cement, Manufactures from. Eternit Pietra Artificiale (London) Limited. 198,991; June 2; Serial No. 201,803; published Feb. 3, 1925.

CLASS 13.

Nuts, Metal. Grip Nut Company. 199,284; June 2.

Sprinklers, Lawn. Economy Irrigation Company Limited. 199,116; June 2; Serial No. 207,182; published Mar. 17, 1925.

Tubes and piping. T. B. Conklin Brass & Copper Co. 199,194; June 2; Serial No. 207,492; published Mar. 17, 1925.

Windows from rattling, Device for preventing. Senia Holding Corporation. 199,188; June 2; Serial No. 208,109; published Mar. 17, 1925.

CLASS 14.

Alloys, Aluminum. Baush Machine Tool Company. 199,270; June 2.

Castings, Gray-iron. Holley Carburetor Company. 199,204; June 2; Serial No. 206,895; published Mar. 17, 1925.

Iron, Bar. Logan Iron & Steel Company. 199,215; June 2; Serial No. 208,303; published Mar. 24, 1925.

Steel or tool steel. Peter A. Frasse & Co. 199,211; June 2; Serial No. 208,755; published Mar. 24, 1925.

CLASS 15.

Oils. Sinclair Refining Company. 199,268; June 2.

CLASS 16.

Lead, White. Tripod Paint Co. 46,535; renewed Sept. 26, 1925.

Paints and varnishes. Phoenix Paint & Varnish Co. 45,214; renewed Aug. 8, 1925.

Polish for use on auto bodies, furniture, etc. C. W. Vaughan. 199,278; June 2.

CLASS 19.

Automobile bodies and body parts. Edward G. Budd Manufacturing Company. 199,176; June 2; Serial No. 195,570; published Mar. 3, 1925.

Automobiles. Rollin Motors Company. 199,192; June 2; Serial No. 207,888; published Mar. 17, 1925.

Cars and other vehicles, Fabric bodies for motor. Standard Textile Products Company. 199,183; June 2; Serial No. 175,330; published Mar. 3, 1925.

Mirrors, Automobile. A. A. Ansell. 199,143; June 2; Serial No. 205,507; published Mar. 3, 1925.

Shock absorbers. Lewis Rubber Snubber Co. 199,277; June 2.

Springs, suspensions, shock absorbers for vehicles, etc. Manufacture Générale de Ressorts. 199,199; June 2; Serial No. 207,195; published Mar. 3, 1925.

Trucks, Hand and clamp. Stobier Parker Co. 199,167; June 2; Serial No. 204,527; published Mar. 3, 1925.

Trucks, Removable bodies for hand. Adams Equipment Company. 199,202; June 2; Serial No. 206,984; published Feb. 24, 1925.

Vehicle fenders or bumpers and brackets and other parts therefor. United States Chain & Forging Company. 199,141; June 2; Serial No. 206,801; published Mar. 17, 1925.

Vehicle wheels. Acme Works, Inc. 199,133; June 2; Serial No. 206,341; published Mar. 3, 1925.

Vehicles, Motor-driven. General Motors Corporation. 199,246; June 2.

CLASS 21.

Amplifiers, horns, and loud speakers, Mechanical sound. Diamond Expansion Bolt Co. 199,081; June 2; Serial No. 206,283; published Mar. 10, 1925.

Batteries and battery chargers. Bullseye Battery Company. 199,109; June 2; Serial No. 207,341; published Mar. 3, 1925.

Cells, batteries, pocket lamps, and parts of same. M. Zeller. 199,254; June 2.

Condensers. Forbestos Co. 199,046; June 2; Serial No. 190,250; published Mar. 17, 1925.

Condensers and carpieces. More Tone Radio Company. 198,968; June 2; Serial No. 178,861; published Mar. 3, 1925.

Electric air heaters. Magnavox Co. 199,027; June 2; Serial No. 202,131; published Mar. 3, 1925.

Electric appliances. Russell Electric Company. 199,070; June 2; Serial No. 206,695; published Mar. 17, 1925.

Electric-lighting fixtures and units, electric lamps, etc. Edward N. Riddle Company. 198,974; June 2; Serial No. 185,676; published Mar. 3, 1925.

Electrical control for motor-vehicle horns. Willey-Noyes Manufacturing Company. 199,044; June 2; Serial No. 204,883; published Mar. 3, 1925.

Electrical filters and combined electrical filters and rectifiers. Dubilier Condenser & Radio Corporation. 199,083; June 2; Serial No. 203,562; published Mar. 3, 1925.

Electrical fittings, receptacles, and parts thereof. Erie Malleable Iron Company. 199,017; June 2; Serial No. 205,204; published Mar. 17, 1925.

Hair driers, Electric. Wm. Meyer Company. 199,047; June 2; Serial No. 190,422; published Mar. 17, 1925.

Horns and loud speakers. Bellstone Radio Corporation. 199,009; June 2; Serial No. 205,734; published Mar. 3, 1925.

Ignition system, sockets, and dials, Distributor on the. Northern Industrial Chemical Company. 198,964; June 2; Serial No. 196,615; published Mar. 10, 1925.

Ignition timers for internal-combustion engines. Glendale Engineering Co. 199,092; June 2; Serial No. 207,660; published Mar. 10, 1925.

Inductance coils. A. H. Grebe & Co. 199,079–80; June 2; Serial Nos. 206,294–5; published Mar. 17, 1925.

Insulators and lightning arresters, Electric. Trenton Porcelain Company. 199,077; June 2; Serial No. 206,445; published Mar. 10, 1925.

Knobs, cleats, tubes, etc. Illinois Electric Porcelain Company. 196,982; June 2; Serial No. 189,504; published Mar. 10, 1925.

Lamp fixtures, Electric. Multiple Socket Fixture Company. 199,225; June 2; Serial No. 208,156; published Mar. 10, 1925.

Loud speakers. Burndept Limited. 199,055; June 2; Serial No. 198,029; published Mar. 10, 1925.

Plug and socket, Combined. Autoveyors Limited. 199,014; June 2; Serial No. 205,506; published Mar. 17, 1925.

Plugs for fuse receptacles. Metropolitan Device Corporation. 199,285; June 2.

Radio apparatus. M. Klosner. 198,979; June 2; Serial No. 187,581; published Mar. 3, 1925.

Radiodials. Jewett Radio & Phonograph Co. 199,228; June 2; Serial No. 208,296; published Mar. 17, 1925.

Radio electrical appliances. Electrical Research Laboratories. 199,059; June 2; Serial No. 193,996; published July 8, 1924.

Radiohorns and mechanical amplifiers. Szilagyi & Co. 199,124; June 2; Serial No. 207,038; published Mar. 17, 1925.

Radio receiving machine. C. D. Tanner. 199,086; June 2; Serial No. 203,848; published Mar. 10, 1925.

Radio receiving sets. J. G. Uts. 198,999; June 2; Serial No. 199,961; published Mar. 3, 1925.

Radio receiving sets and parts thereof. Colonial Radio Corporation. 199,028–9; June 2; Serial No. 202,691–2; published Mar. 10, 1925.

Radio receiving sets, Complete. E. L. Levin. 199,063; June 2; Serial No. 191,887; published May 6, 1924.

Radio receiving sets, crystals, radio crystal catwhiskers. H. E. B. Grant or H. Grant. 199,271; June 2.

Radio receiving sets, loud speakers, and horns. Sonora Phonograph Company. 199,048; June 2; Serial No. 190,818; published Mar. 17, 1925.

Radio sets. E. Singer. 199,035; June 2; Serial No. 208,652; published Jan. 20, 1925.

Radio tuning coils and couplers. Precision Coil Co. 199,056; June 2; Serial No. 193,123; published Mar. 10, 1925.

Rectifier tubes. Rader Appliance Co. 199,011; June 2; Serial No. 205,665; published Mar. 3, 1925.

Resistors used with radio apparatus. Allen-Bradley Company. 198,987; June 2; Serial No. 206,051; published Mar. 10, 1925.

Telephone plugs. Pacent Electric Company. 199,096; June 2; Serial No. 207,672; published Mar. 10, 1925.

Toasters, Automatic bread. Perfect Automatic Egg-Timer & Manufacturing Company. 199,258; June 2.

CLASS 22.

Bats, Baseball. Ehm Beck Bat Company. 199,110–12; June 2; Serial No. 207,325–7; published Mar. 24, 1925.

Fishing tackle. N. E. L. Means. 199,148; June 2; Serial No. 208,992; published Mar. 24, 1925.

Game. Modern Games Company. 199,073; June 2; Serial No. 206,536; published Mar. 24, 1925.

Game. W. T. Seto. 199,016; June 2; Serial No. 205,223; published Mar. 24, 1925.

Minnows, Wood. Enterprise Manufacturing Company. 199,096; June 2; Serial No. 207,726; published Mar. 24, 1925.

Rubber toy balloons, daggers, and play balls. Barr Rubber Products Company. 199,082; June 2; Serial No. 206,278; published Mar. 24, 1925.

Stilts. W. S. Hamkari. 199,129; June 2; Serial No. 206,618; published Feb. 24, 1925.

Tennis rackets. Narragansett Machine Co. 199,155; June 2; Serial No. 208,715; published Mar. 24, 1925.

Vehicles, Juvenile. Sterling Machine & Stamping Company. 199,050; June 2; Serial No. 190,943; published Mar. 24, 1925.

Wagons, Roller-bearing coaster. Lewis-Geer Mfg. Company. 199,058; June 2; Serial No. 193,983; published Mar. 24, 1925.

CLASS 23.

Agricultural and milling machinery. J. B. Sedberry. 199,197; June 2; Serial No. 207,313; published Mar. 24, 1925.

Bottle-capping machines. Cundall, Powell & Mosher, Inc. 199,210; June 2; Serial No. 208,348; published Mar. 24, 1925.

Crumb sweepers. Bersted Manufacturing Company. 199,134; June 2; Serial No. 206,510; published Mar. 17, 1925.

Engines and oil-well equipment, Oil and gas. Marion Machine, Foundry & Supply Co. 199,195; June 2; Serial No. 207,250; published Mar. 17, 1925.

Gears of fabric and phenol, Timing. Dalton & Balch, Inc. 199,175; June 2; Serial No. 195,870; published Mar. 24, 1925.

Mowers, Lawn. Shapleigh Hardware Company. 199,120–7; June 2; Serial No. 206,752–3; published Mar. 17, 1925.

Mowers, Lawn. Shapleigh Hardware Company. 199,205; June 2; Serial No. 206,754; published Mar. 24, 1925.

Printing machine. W. L. Knapton. 199,145; June 2; Serial No. 205,276; published Mar. 24, 1925.

Pulleys, Steel split. Dodge Manufacturing Corporation. 199,067; June 2.

Pumps and pumping machinery, etc. American Steam Pump Company. 199,090; June 2; Serial No. 207,644; published Mar. 17, 1925.

Scissors and shears. Acme Shear Company. 199,203; June 2; Serial No. 206,933; published Mar. 17, 1925.

Screw drivers. Haines Manufacturing Corporation. 199,191; June 2; Serial No. 207,935; published Mar. 24, 1925.

Seeders and planters. D. E. Speicher. 45,078; renewed Aug. 8, 1925.

Sharpeners for disks of agricultural implements. James Disc Sharpener Company. 199,217; June 2; Serial No. 208,247; published Mar. 24, 1925.

Silo fillers, corn harvesters, and potato pickers. Schmeebel & Schubert Mfg. Co. 199,137; June 2; Serial No. 206,378; published Mar. 24, 1925.

Sweeping, cleaning, and drying systems, etc., Pneumatic or vacuum. Allen & Billmyre Co. 199,201; June 2; Serial No. 206,986; published Mar 17, 1925.

Vending machines. G. B. Smith. 199,214; June 2; Serial No. 208,435; published Mar. 24, 1925.

Water softeners. Puritan Engineering Corporation. 199,209; June 2; Serial No. 208,868; published Mar. 24, 1925.

Wire straps for reenforcing cartons and packages, and tools for applying said straps, Machines for manufacturing. Griplock, Inc. 199,173; June 2; Serial No. 199,939; published Mar. 24, 1925.

Wood grinders. Americas Voith Contact Company. 199,212; June 2; Serial No. 208,631; published Mar. 24, 1925.

Wrenches, Rail-anchor. Canton Forge & Axle Company. 199,166; June 2; Serial No. 204,756; published Mar. 24, 1925.

CLASS 24.

Ironing tables. Rid-Jid Products Corporation. 199,060; June 2; Serial No. 194,621; published Mar. 17, 1925.

Laundry sets. Tingue, Brown & Co. 199,250–3; June 2.

CLASS 25.

Banks for small coins, Portable metal. V. F. Coleman. 199,139; June 2; Serial No. 206,218; published Mar. 17, 1925.

Locks, Shift-lever and steering-wheel. Trexler Company of America. 199,181; June 2; Serial No. 190,521; published Mar. 24, 1925.

CLASS 26.

Astrological apparatus, Scientific. Barascope Corporation. 199,218; June 2; Serial No. 208,125; published Mar. 24, 1925.

Hydrometers. C. E. Lineberger. 199,133; June 2; Serial No. 206,538; published Mar. 17, 1925.

Oil-level indicators, Automatic pressure gauges, and gauge bobs. Oil Conservation Engineering Company. 199,177; June 2; Serial No. 195,182; published Mar. 17, 1925.

Photographic paper, Light-sensitive. Eastman Kodak Company. 199,189; June 2; Serial No. 208,046; Mar. 24, 1925.

Picture films, Moving-. Fox Film Corporation. 199,086–7; June 2; Serial No. 207,496–9; published Mar. 17, 1925.

Picture films, Moving-. Fox Film Corporation. 199,106; June 2; Serial No. 207,495; published Mar. 17, 1925.

Picture films, Moving-. Fox Film Corporation. 199,107; June 2; Serial No. 207,497; published Mar. 17, 1925.

Weights, Test. E. and T. Fairbanks and Company. 199,196; June 2; Serial No. 207,347; published Mar. 17, 1925.

CLASS 27.

Clocks. New Haven Clock Co. 198,971; June 2; Serial No. 184,752; published Feb. 24, 1925.

Watch movements and watchcases. J. Y. Perelman. 199,257; June 2.

Watches and parts and alarm clocks. E. Giniger. 199,018; June 2; Serial No. 205,163; published Mar. 17, 1925.

Watches, watchcases, and watch movements. American Watch Case Co. 46,697; renewed Oct. 3, 1925.

Watches, watchcases, watch movements, and parts thereof. Hipp. Didisheim Co. 199,071–2; June 2; Serial Nos. 206,575–6; published Mar. 17, 1925.

CLASS 28.

Straps, Garment-supporting shoulder. B. A. Ballou & Co. 198,975; June 2; Serial No. 185,857; published Mar. 17, 1925.

CLASS 29.

Brushes and swabs. Samuel M. Dell & Co. 199,147; June 2; Serial No. 209,206; published Mar. 24, 1925.

Toothbrushes. American Chicle Company. 199,114; June 2; Serial No. 207,285; published Mar. 24, 1925.

CLASS 30.

China, Hotel. Alliance Vitreous China Company. 199,089; June 2; Serial No. 207,846; published Mar. 10, 1925.

CLASS 34.

Elbows for hot-air distribution. Excelsior Steel Furnace Company. 199,023; June 2; Serial No. 206,768; published Jan. 13, 1925.

Heaters, Water or steam. Kewanee Boiler Company. 45,253; renewed Aug. 8, 1925.

CLASS 36.

Pianos, piano players, and parts therefor. Howard-Stowers Company. 199,263; June 2.

Talking machines and phonographs. Sonora, Inc. 199,255; June 2.

Talking machines, sound boxes, tone arms, etc. Polyphonwerke Aktiengesellschaft. 198,989; June 2; Serial No. 201,978; published Mar. 10, 1925.

CLASS 37.

Paper, Toilet. Paper Service Co. 199,267; June 2.

CLASS 39.

Baby pants and sanitary bloomers. I. B. Kleinert Rubber Company. 199,156; June 2; Serial No. 208,709; published Mar. 17, 1925.

Boots and shoes, Ground Gripper Shoe Co. 199,084; June 2; Serial No. 206,228; published Feb. 17, 1925.

Boots and shoes, negligee and under shirts, hats, etc. Fortnum & Mason, Ltd. 199,043; June 2; Serial No. 204,361; published Mar. 17, 1925.

Brassières, Francburt, Inc. 199,241; June 2.

Brassières, corsets, girdles, etc. American Lady Corset Co. 199,162; June 2; Serial No. 208,547; published Mar. 17, 1925.

Caps, underwear, pyjamas, etc. Lion Brothers Company. 199,154; June 2; Serial No. 208,767; published Mar. 17, 1925.

Clothing. Plaut Jr.-Wear Company. 199,038; June 2; Serial No. 204,048; published Mar. 17, 1925.

Corsets. Strouse, Adler & Co. 44,670; renewed July 18, 1925.

Corsets. Strouse, Adler & Co. 45,767; renewed Aug. 29, 1925.

Corsets, brassières, and underwear. Kops Bros. Inc. 199,163; June 2; Serial No. 206,526; published Mar. 17, 1925.

Corsets, brassières, and underwear for women. Kops Bros. Inc. 199,097; June 2; Serial No. 207,746; published Mar. 17, 1925.

Corsets, brassières, belts, etc. Regal Corset Company. 199,240; June 2.

Garments, Men's, women's, and children's. Novo-Tex Company. 199,223; June 2; Serial No. 208,006; published Mar. 17, 1925.

Hosiery. C. Brand. 199,126; June 2; Serial No. 206,092; published Mar. 17, 1925.

Hosiery. Guiterman Bros., Inc. 199,025; June 2; Serial No. 204,707; published Mar. 17, 1925.
Hosiery and sweaters. Arkansas Dry Goods Co. 199,076; June 2; Serial No. 206,505; published Mar. 17, 1925.
Hosiery, shoes, and slippers. J. Klausner. 199,030; June 2; Serial No. 202,811; published Mar. 10, 1925.
Hosiery, underwear, and sweaters. V. Wulfson. 199,007; June 2; Serial No. 205,895; published Mar. 17, 1925.
Neckties. Gano-Downs Company. 199,104; June 2; Serial No. 207,865; published Mar. 17, 1925.
Overall jackets and overalls. Ripkin Bros. & Stein. 199,232; June 2; Serial No. 208,015; published Mar. 17, 1925.
Overalls, work pants, and work suits. W. B. Lipshutz. 199,074; June 2; Serial No. 206,535; published Feb. 3, 1925.
Overcoats, suits, and trousers, etc. P. Klein. 199,216; June 2; Serial No. 208,249; published Mar. 10, 1925.
Overshirts or "stag" shirts. Reliance Manufacturing Company. 199,100–1; June 2; Serial Nos. 207,826–7; published Mar. 17, 1925.
Shirts. Buffalo Shirt Company. 199,180; June 2; Serial No. 190,763; published Mar. 10, 1925.
Shirts. Cluett, Peabody & Co. 199,159–60; June 2; Serial Nos. 208,570–1; published Mar. 17, 1925.
Shirts, blouses, pyjamas, etc. H. D. Bob Company. 199,094; June 2; Serial No. 207,676; published Mar. 17, 1925.
Shirts, blouses, pyjamas, underwear, and overjackets, Men's and boys'. H. D. Bob Company. 199,095; June 2; Serial No. 207,678; published Mar. 17, 1925.
Shirts, collars, ties, sweaters, etc. A. Sulka & Company. 199,269; June 2.
Shirts, nightgowns, pyjamas, etc., Men's and boys'. Rice-Stix Dry Goods Company. 199,085; June 2; Serial No. 206,189; published Mar. 17, 1925.
Shoes. California Seamless Shoe Company. 199,261; June 2.
Shoes. J. Steinman. 199,248; June 2.
Topcoats. Rose Brothers. 199,153; June 2; Serial No. 208,780; published Mar. 17, 1925.
Trousers, Men's. Hart Trouser Company. 199,164; June 2; Serial No. 208,517; published Mar. 17, 1925.
Trousers, Men's. J. H. Maimon. 199,066; June 2; Serial No. 206,908; published Mar. 17, 1925.
Underwear, hosiery, sweaters, and bathing suits. Dr. Jaeger's Sanitary Woolen System Co. 199,005; June 2; Serial No. 197,152; published Mar. 17, 1925.

CLASS 40.

Hairpins. Sterling Pin Co. 46,070; renewed Sept. 15, 1925.

CLASS 41.

Umbrellas and parasols. C. F. Berg. 199,161; June 2; Serial No. 208,555; published Mar. 17, 1925.

CLASS 42.

Carpets and rugs. Axminster. Stephens Sanford & Sons, Inc. 199,273; June 2.
Centerpieces, doilies, napkins, etc., Linen. Perlmann, Schal & Stern Inc. 199,243; June 2.
Cotton cloth piece goods. Bear Mill Manufacturing Company. 199,152; June 2; Serial No. 190,997; published Mar. 17, 1925.
Cotton duck. L. O. Draper. 198,980; June 2; Serial No. 188,992; published Mar. 25, 1924.
Cotton piece goods. Fred Butterfield & Co. 199,041–2; June 2; Serial Nos. 204,302–3; published Mar. 10, 1925.
Draperies, Cotton. Elms & Sellon, Inc. 198,994–6; June 2; Serial Nos. 200,755–7; published Mar. 10, 1925.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 199,149; June 2; Serial No. 208,954; published Mar. 24, 1925.
Hair nets. M. A. Oppenheimer. 199,165; June 2; Serial No. 208,477; published Mar. 10, 1925.
Hair nets. Seidner & Hitzigrath, Inc. 199,256; June 2.
Handkerchiefs. Schwartz Bros. & Co. 198,972; June 2; Serial No. 185,046; published Oct. 21, 1924.
Knitted fabric carpets and rugs. Stephen Sanford & Sons Inc. 199,272; June 2.
Rugs. Carter Bros. Mattress Company. 199,099; June 2; Serial No. 207,779; published Mar. 24, 1925.
Shirtings. Mason & Butler. 199,051; June 2; Serial No. 190,972; published Mar. 17, 1925.
Silk, cotton, wool, and hair piece goods. Bianchini Férier. 199,004; June 2; Serial No. 197,987; published Mar. 17, 1925.
Silk, cotton, wool, and hairs, Piece goods of. Bianchini Férier. 198,986; June 2; Serial No. 197,986; published Mar. 17, 1925.
Silk fabric. J. A. Migel, Inc. 199,020; June 2; Serial No. 205,019; published Mar. 24, 1925.
Silk jersey cloth in the piece, Fiber-. M. I. Halperin. 199,021; June 2; Serial No. 204,907; published Mar. 24, 1925.
Table covers, napkins, doilies, etc. Campbell, Metzger & Jacobson. 199,015; June 2; Serial No. 205,264; published Mar. 24, 1925.
Textile fabrics. Oriental Silk Printing Company. 199,146; June 2; Serial No. 209,426; published Mar. 24, 1925.
Woolen goods. S. Stein & Co. 199,117; June 2; Serial No. 207,153; published Mar. 10, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 199,150; June 2; Serial No. 208,906; published Mar. 24, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 199,151–2; June 2; Serial Nos. 208,903–4; published Mar. 24, 1925.
Worsted, woolen, worsted and cotton, etc., fabrics in the piece. Walther Manufacturing Co. 199,121; June 2; Serial No. 207,045; published Mar. 24, 1925.
Worsted, woolen, worsted and cotton, etc., fabrics in the piece. Walther Manufacturing Co. 199,122–3; June 2; Serial Nos. 207,042–3; published Mar. 24, 1925.

CLASS 43.

Threads, yarns, and cottons. T. Buettner & Co. 199,158; June 2; Serial No. 208,635; published Mar. 17, 1925.

CLASS 44.

Dental abrasive disks and strips. P. Hopf. 199,171; June 2; Serial No. 201,809; published Mar. 24, 1925.
Rubber articles for the prevention of contagious diseases, Prophylactic. L. Hilsenbeck. 199,170; June 2; Serial No. 208,236; published Mar. 24 1925.
Violet-ray apparatus. Fitzgerald Manufacturing Company. 199,213; June 2; Serial No. 208,584; published Mar. 24, 1925.

CLASS 45.

Beverage, beverage sirup, and beverage concentrate. National Chemical Products Co. 199,244; June 2.
Beverage sold as a soft drink. Perth Amboy Bottling Company. 199,032; June 2; Serial No. 203,485; published Mar. 24, 1925.
Beverages. O'Keefe's Beverages Limited. 198,967; June 2; Serial No. 175,021; published Mar. 24, 1925.
Beverages. H. C. Sexton. 199,068; June 2; Serial No. 207,529; published Mar. 24, 1925.
Beverages, Carbonated. M. I. Katz. 199,045; June 2; Serial No. 204,512; published Mar. 24, 1925.
Flavor and colorings for soft drinks. J. F. Lanier Manufacturing Co. 199,221–2; June 2; Serial Nos. 208,349–50; published Mar. 24, 1925.
Ginger ale, beverage sold as a soft drink, and sirup for making same. Hodde Brothers. 199,245; June 2.
Water, Spring. Hiram Ricker & Sons. 199,068; June 2; Serial No. 206,805; published Mar. 24, 1925.

CLASS 46.

Bread. Dependable Bakers Associated. 198,981; June 2; Serial No. 189,354; published Feb. 19, 1924.
Bread, cakes, and pies. E. J. Derst. 199,049; June 2; Serial No. 190,915; published Apr. 8, 1924.
Candies. Sperry Candy Company. 199,186–7; June 2; Serial Nos. 208,114–15; Mar. 24, 1925.
Candies and candied fruit. D. Arnould. 47,136; renewed Oct. 31, 1925.
Candy. Hawley & Hoopes. 198,988; June 2; Serial No. 202,110; published Dec. 2, 1924.
Candy. Liberty Orchards Company. 199,207–8; June 2; Serial Nos. 209,045–6; published Mar. 24, 1925.
Candy. Puritan Candy Co. 199,172; June 2; Serial No. 201,573; published Mar. 24, 1925.
Candy. F. M. Switzer. 199,259; June 2.
Candy. P. Wunderle. 46,893; renewed Oct. 10, 1925.
Canned fish. Coast Fishing Company. 199,274; June 2.
Canned foods. Haas-Lieber Grocery Company. 198,978; June 2; Serial No. 187,460; published Mar. 17, 1925.
Canned fruits. Hunt Brothers Packing Company. 199,182; June 2; Serial No. 187,465; published July 8, 1924.
Canned fruits, vegetables, and fish and dried fruits. Hunt Brothers Packing Company. 198,977; June 2; Serial No. 187,064; published Aug. 19, 1924.
Canned goods, butter, eggs, etc. John T. Connor Company. 199,082; June 2; Serial No. 196,439; published Mar. 17, 1925.
Chicks. Washington Accredited Hatchery and Breeders Association. 199,247; June 2.
Chocolate. Ideal Cocoa & Chocolate Co. 199,206; June 2; Serial No. 209,296; published Mar. 24, 1925.
Chocolate powder preparation. Whiting Milk Companies. 199,229; June 2; Serial No. 208,086; published Mar. 17, 1925.
Chocolate powder preparation. Whiting Milk Companies. 199,229; June 2; Serial No. 208,086; published Mar. 17, 1925.
Coffee. G. Gutierrez Veiez. 199,249; June 2.
Dough, Material for promoting fermentation and gas expansion in bread or like. Nafziger Baking Company. 199,078; June 2; Serial No. 206,363; published Mar. 17, 1925.
Eggs, butter, fruit, etc. Klein-Simpson Fruit Company. 199,178; June 2; Serial No. 194,453; published Sept. 16, 1924.
Flour, Wheat. Mayflower Mills. 45,564; renewed Aug. 22, 1925.
Flour, Wheat. Phoenix Flour Mill. 45,497; renewed Aug. 22, 1925.
Flour, Wheat. Thornton & Chester Milling Co. 47,208; renewed Oct. 31, 1925.
Food sirups, candies, nuts, etc. Paulais Co. 199,184; June 2; 159,277; published July 22, 1924.

Fruits and vegetables and fruit and vegetable preserves and jellies. Wm. Numsen & Sons, Inc. 47,384; renewed Oct. 31, 1925.
Milk powder, with chocolate flavor, Malted. Lyon Bros. 199,118; June 2; Serial No. 207,138; published Mar. 17, 1925.
Oil, Olive. Jordan Stabler Co. 47,184; renewed Oct. 31, 1925.
Oleomargarine. John F. Jelke Company. 199,281–3; June 2.
Oranges, lemons, and grapefruit. J. H. Strait & Co. 199,190; June 2; Serial No. 208,019; published Mar. 24, 1925.
Peanut butter and chewing gum. T. C. Leedom. 198,966; June 2; Serial No. 144,822; published Feb. 17, 1925.
Sirups. B. F. Trappey & Sons. 199,115; June 2; Serial No. 207,272; published Mar. 17, 1925.

CLASS 48.

Beverages, Malt cereal. National Beverage Company. 199,228; June 2; Serial No. 208,106; published Mar. 24, 1925.

CLASS 49.

Cocktails. G. F. Heublein & Bro. 46,616; renewed Sept. 26, 1925.
Whisky. Peter Dawson, Limited. 198,969; June 2; Serial No. 170,992; published Mar. 24, 1925.

CLASS 50.

Bamboo plant stakes. Half Moon Manufacturing & Trading Company. 199,279; June 2.
Bottle stopper, Nonrefillable-. E. Greene. 199,193; June 2; Serial No. 207,563; published Feb. 24, 1925.
Jar caps. Adams Bros. & Co. 199,266; June 2.
Paper novelties and advertising specialties. Singer Paper Box Co. 199,264; June 2.
Porcelain or earthenware, Composition in the nature of a substitute for. Louthan Manufacturing Co. 199,160; June 2; Serial No. 293,735; published Mar. 3, 1925.
Sleeve forms. A. A. Hansen. 199,140; June 2; Serial No. 206,166; published Mar. 3, 1925.
Tents. J. S. Waterhouse. 199,174; June 2; Serial No. 195,929; published Mar. 3, 1925.
Traps, Mouse and rat. H. M. Britan. 199,242; June 2.

ALPHABETICAL LIST OF LABELS.

America. For Lemons. Escondido Fruit Growers Association. 28,726; June 2.
Baby Grapes. For Grapes. L. Rusconi. 28,758; June 2.
Beacon Radio "B" Battery. For Electric Batteries. Beacon Electric Corporation. 28,710; June 2.
Bell's. For Cleaning Fluid. Bell Chemical Co. 28,711; June 2.
Big Navana. For Cigars. American Beauty Cigar Company. 28,702; June 2.
Butter Crackers. For Crackers. Miller-Parrott Baking Co. 28,750; June 2.
Captain Jack's Quality Candies. For Candy. C. W. Warman. 28,771; June 2.
Cluster. For Lemons. Upland Lemon Growers Association. 28,767; June 2.
Cocktail. For Candy. Aromint Mfg. Co. 28,703; June 2.
College Inn. For Canned Chicken Soup. College Inn Food Products Company. 28,715; June 2.
Congoleum Gold Seal. For Rugs and Floor Coverings Congoleum-Nairn Inc. 28,718; June 2.
Cub. For Lemons. Upland Lemon Growers Association. 28,766; June 2.
Deanos Food The Milk Modifier. For Infants' and Invalids' Foods. Deanos Food Company of Portland. 28,722; June 2.
Family Loaf. For Bread. Miller-Parrott Baking Co. 28,751; June 2.
Faultless. For Bread. D. P. Woolley. 28,774; June 2.
Fire King. For Cigars. George Schafer Cigar Company. 28,760; June 2.
Fish. For Pickled Herring. Vita Fish Preserving Works. 28,770; June 2.
Florida Blend. For Beverage. E. H. Fallows. 28,728; June 2.
George R. Ray's 46. For Cigars. Quality Cigar Company. 28,757; June 2.
Golden Pheasant. For Ginger Ale. Cream City Products Co. 28,719; June 2.
Good Coffee Absolutely Pure. For Coffee. Dwinell-Wright Company. 28,724; June 2.
Good Coffee. For Coffee. Dwinell-Wright Company. 28,725; June 2.
Guaranteed Ford used car. For Ford Automobiles. Ford Motor Company. 28,731; June 2.
International Brotherhood of Paper Makers—Union Made. For Book, Bond, Ledger, and Other Writing and Printing Papers. International Brotherhood of Paper Makers. 28,739; June 2.
Jantzen. For Swimming Suits. Jantzen Knitting Mills. 28,740; June 2.
Kleen-Type. For Liquid Preparation for Cleaning Typewriter and Other Type. R. T. Davis. 28,720; June 2.
Kolene. For Fabric Cleaner. C. B. Martin and P. B. Warnock. 28,745; June 2.
Lake. For Lemons. Upland Lemon Growers Association. 28,765; June 2.
Lemon. For Candy. Aromint Mfg. Co. 28,704; June 2.
Liberty. For Lemons. Escondido Fruit Growers Association. 28,727; June 2.
Lime. For Candy. Aromint Mfg. Co. 28,704; June 2.
London Dry. For Ginger Ale. C. R. Barbee. 28,708; June 2.
Mack's Smacks. For a Confection for Cough and Cold Relief. C. D. McEwen. 28,743; June 2.
Meader Brook. For Butter. Menasha Printing and Carton Company. 28,746; June 2.
Meadowbrook. For Butter. Menasha Printing and Carton Company. 28,747; June 2.
Millerkins Shoes for Kiddies. For Shoes for Children. I. Miller & Sons, Inc. 28,749; June 2.
Mon Plaisir. For Salad Dressing. French Dressing Specialty Co. 28,734; June 2.
My Goodness. For Candy. A. McLean & Son. 28,744; June 2.
Navajo. For Candy. E. A. Hoffman Candy Co. 28,736; June 2.
Nestor Emulsion of Pure Cod Liver Oil. For Medicinal preparation for Pulmonary Diseases, Coughs, Colds, and General Debility. Nestor Drug and Chemical Company. 28,753; June 2.
New Jersey Yacht Copper Paint. For Paint. New Jersey Paint Works, Harry Lounderbough, Inc. 28,754; June 2.
Nobob. For Hair Goods. Frankel & Smith, Inc. 28,733; June 2.
Old Fashun Bread. For Bread. Giusti Baking Co. 28,735; June 2.
Old Homestead. For a Cereal Beverage. Commercial Company. 28,717; June 2.
Orange. For Candy. Aromint Mfg. Co. 28,707; June 2.
Over-Bob. For Hair Goods. Frankel & Smith, Inc. 28,732; June 2.
Public Opinion. For Cigars. Central Cigar Company. 28,714; June 2.
Quality De Luxe. For Fresh Tomatoes. Florida East Coast Growers Association, Inc. 28,729; June 2.
Radio Hand Made. For Cigars. E. J. B. Lafrenaye. 28,742; June 2.
Real Loaf. For Bread. Waxide Paper Company. 28,772; June 2.
Royal Breakfast Coffee. For Coffee. Merchants Wholesale Grocery Co. 28,748; June 2.
Royal Crest. For Crème de Cacao Cordial. Bohemian Distributing Co. 28,713; June 2.
Rudolph & Bauer Rikisha Candies. For Candy. Milwaukee Paper Box Co. 28,752; June 2.
Ruf'n Redy. For Lemons. Upland Lemon Growers Association. 28,768; June 2.
S-M-C. For Coffee. Sorver, McElroy & Co. 28,762; June 2.
Sal-I-O. For Salt. Sal-I-O Company. 28,759; June 2.
Sampson. For Malt Sirup. Independent Breweries Company. 28,738; June 2.
Sea Gull. For Lemons. Upland Lemon Growers Association. 28,769; June 2.
Seema Brand Coffee. For Coffee. Shaw's Sandwich Shops, Inc. 28,761; June 2.
Shav-Pad. For Powder Puffs for Use by Men. Columbia Plush & Puff Co. 28,716; June 2.
Skookum. For Cross-Expansion Spiral Piston Packing. Pioneer Rubber Mills. 28,755; June 2.
Sparkle. For Fresh Grapes. C. B. Williams. 28,773; June 2.
Stir Well—Stir Right To Make Paint Hold Tight. For Paints. Debevoise Company. 28,721; June 2.
The Dictaphone Cylinder. For Phonograph Records. Dictaphone Corporation. 28,723; June 2.
The Stad. For Young Men's Suits. Jos. Kuhn & Co. 28,741; June 2.
Tom's Toasted Peanuts. For Toasted Peanuts. T. Huston. 28,737; June 2.
Trickle Ice. For Tinsel. United States Foil Co. 28,764; June 2.
United. For Fresh Pears. United Fruit Distributing Company. 28,763; June 2.
Ute Gould Inferno Oil Burners. For Inferno Oil Burners. A. G. Blanchard. 28,712; June 2.
Violet. For Candy. Aromint Mfg. Co. 28,706; June 2.
Wurtsburger Blue Label Brand Hopped-Malt Extract. For Malt Extract. New Orleans Hops, Malt & Extract Co. 28,755; June 2.
Yorba Linda Gem. For Oranges. Foothill Groves. 28,730; June 2.
Zone-Lac. For Lacquer Paint. J. E. Bauer. 28,709; June 2.

ALPHABETICAL LIST OF PRINTS.

Brigade's Drum Major. For Ice Cream. Frederick C. Mathews Company. 7,974; June 2.
Better be sure it's "Good old B. V. D."! For Athletic Underwear. B. V. D. Company. 7,957; June 2.
Bigger batches—bigger profits. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. Fleischmann Company. 7,964; June 2.
Cold Creamy Liberty Root Beer. For Root Beer. Richardson Corporation. 7,977; June 2.
Corn Fix. For Remedy for Corns, Calli, and Bunions. Corn Fix Co. 7,958; June 2.
Cut down your baby chick losses. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. Fleischmann Company. 1,965; June 2.
Eat to keep fit. For Wheat Breakfast Food. Cream of Wheat Co. 7,959; June 2.
Fertility and Hatchability. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. Fleischmann Company. 7,963; June 2.
Frostee. For Certain Confection Consisting of a Portion of Ice Cream Chocolate Coated and Placed on a Stick. H. I. Glickman. 7,968; June 2.
Giro Apple Snow. For Dessert Preparation. Jell-O Company. 7,970; June 2.
Iodex—No macula la belleza este nuevo yodo que no mancha. Superior a la Tintura de Yodo. For Iodex Ointment. Menley & James, Limited. 7,975; June 2.
It's a busy world when you're five. For Wheat Breakfast Food. Cream of Wheat Co. 7,960; June 2.
Lemon. For Candy. Aromint Mfg. Co. 7,953; June 2.
Liberty Root Beer. For Root Beer. Richardson Corporation. 7,976; June 2.
Lime. For Candy. Aromint Mfg. Co. 7,954; June 2.
Love-Kissed Wedding Rings For The Bride. For Wedding Rings. J. H. Spiro. 7,978; June 2.
Marion Power's Strawberry Jell-O. For Dessert Preparation. Jell-O Company. 7,971; June 2.
More chicks from every 100 eggs set. For Yeast, Especially Dried Yeast Adapted for Use as a Poultry Feed. Fleischmann Company. 7,966; June 2.
No breakfast complete without toast. For Gold Medal Flour. Washburn Crosby Co. 7,979; June 2.
Orange. For Candy. Aromint Mfg. Co. 7,955; June 2.
Red Seal Bird. For Canary Birds. R. J. Marek. 7,973; June 2.
Resorts and Playgrounds of America. For a Book or Series of Books. J. F. Kane. 7,972; June 2.
Stir Well—Stir Right To Make Paint Hold Tight. For Paints. Debevoise Company. 7,961; June 2.
The Florsheim Shoe. For Shoes. Florsheim Shoe Company. 7,967; June 2.
Why Do We Advertise Men's Underwear in a Woman's Magazine? For Athletic Underwear. B. V. D. Company. 7,956; June 2.
Willson Goggles The Willson name on every frame. For Goggles. Willson Goggles, Inc. 7,981; June 2.
Wonder-Kura. For Healing Oil. W. W. Herrick. 7,980; June 2.
"Yo Quiero Laxol" Aceite de Castor como Miel los Niños se Lamen la Cuchara y Piden más Laxol. For Laxol. A. J. White Limited. 7,980; June 2.
Your Jobs Deserve the Duo Sink & Tray Waste. For Plumbing Goods. Duo Manufacturing Company. 7,962; June 2.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Abrasive material from which grinding and polishing stones are made. Société Anonyme des Forces Motrices de la Vallee d'Aspe. 211,061; June 2.
Coal. Campbell Coal Company. 210,348; June 2.
Coal. Marquette Coal Company. 200,505; June 2.
Coal, Bituminous. Edwin F. Daniels & Company. 188,873; June 2.

CLASS 2.

Bags, Paper. Anchor Paper Company. 213,110; June 2.
Flasks and similar vacuum vessels, Vacuum. B. E. Siegheim. 212,354; June 2.

CLASS 3.

Bags, pocketbooks, trunks, etc., Hand. Adolphe Schloss Fils & Cie. 208,428; June 2.
Horse-collar pads. N. A. Shane. 209,702; June 2.
Portfolios. Michigan Book Binding Company. 210,740; June 2.

CLASS 4.

Soap-paste cleanser, Hand. S. M. Kennedy. 207,744; June 2.
Spot remover and cleaner. Holliston Mills Inc. 202,501; June 2.

CLASS 6.

Acids, alcohol, ammonia, etc., Tartaric and citric. B. A. Railton Co. 205,779; June 2.
Aromatic cascara, alcohol, eye lotion, etc. Smith, Kline & French Company. 211,132; June 2.
Bleaching solution or detergent. J. B. Lewis. 212,006; June 2.
Bluing and ammonia, Liquid. Dr. H. M. Schaefer. 212,297; June 2.
Carbon black. Shawinigan Products Corporation. 211,129; June 2.
Chemical preparation for curling the hair. H. Flamhaft. 211,996; June 2.
Color, Butter. Heller & Merz Co. 190,375; June 2.
Compound for boiling off the gum or any undesirable substance from pure silks. Kali Manufacturing Co. 212,146; June 2.
Compounds for motor fuel, Antiknock. Ethyl Gasoline Corporation. 211,904; June 2.
Corns and calli, Remedy for. E. Hixson. 212,815; June 2.
Creams for chapped hands and face. Marshmallow Cream Company. 208,713; June 2.
Crème, Massage. A. Keeling. 205,698; June 2.
Dyes and dyestuffs. Chemische Fabriken vorm. Weiler-ter-Meer. 210,603; June 2.
Fluxes. H. S. Geery. 212,728; June 2.
Hair curling and waving, Chemical preparations for. La Fleur Laboratories. 212,737; June 2.
Hairdressing. Carlova, Inc. 212,713; June 2.
Hair dye. Tinto Corporation. 212,975; June 2.
Hair-dyeing preparation. F. Rodrigues. 207,405; June 2.
Lotion, Hand and face. F. N. Beard. 212,780; June 2.
Medicated cream. V. E. Brown. 210,706; June 2.
Medicinal preparation indicated in dental premedication, neuralgia, etc. Winkworth & Company. 211,646; June 2.
Medicinal preparation recommended for rheumatism, pain in breast, side, or back, scalds, etc. C. F. Sauer Company. 202,183; June 2.
Medicinal preparation used in treatment of eczema. W. R. Sombart. 211,953; June 2.
Ointment. D. J. Wheley. 212,514; June 2.
Parasite-destroying agents. Actien-Gesellschaft für Anilin Fabrikation. 210,154; June 2.
Perfumes, toilet waters and powder. Houbigant, Inc. 211,595; June 2.
Pickling compound. Hoffman Process Company. 195,643; June 2.
Poisonous powder for destroying rats, mice, squirrels, gophers, and other pests. California Cyanide Company. 213,064; June 2.
Powder, Face. E. V. Neal. 206,608; June 2.
Powders, rouge, face lotion, etc., Face and talcum. Paragon Distributing Corporation. 212,958; June 2.
Remedies for coughs, colds, grip, etc. Little Doctor Medicine Co. 212,996; June 2.
Salve for treating baldness. W. J. Nunn. 205,652; June 2.
Serum for the treatment of the nerves. Reinschild Chemical Co. 211,949; June 2.
Serum treatment for tuberculosis. Reinschild Chemical Co. 211,948; June 2.
Soot destroyer. Weldum Products Company. 211,962; June 2.
Tooth paste and mouth wash. W. F. Lawrens. 212,819; June 2.
Typewriters, etc., Preparations for rejuvenating platens of. Service Products Manufacturing Co. 212,104; June 2.

CLASS 7.

Wire, shade cord, chalk and masons' lines, and clothes-lines, Picture. Turner & Stanton Company. 211,309; June 2.

CLASS 9.

Matches, Safety. Estonian Match Industry "Lendra" Ltd. 200,139; June 2.

CLASS 10.

Fertilizer, Odorless. Plant Products Company. 212,829; June 2.

CLASS 12.

Blocks, sheets, and slabs, Stone and stonelike. Master Builders Company. 211,855; June 2.
Bricks. Wyandot Clay Products Company. 193,877; June 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Bungalows, Portable. H. Barckhaus. 211,319; June 2.
Flooring, stair treads and risers, etc., Composition. Cast-Tile Manufacturing Co. 209,277; June 2.
Paper and paper liners, Building. National Paper Products Co. 210,181; June 2.
Roofing and shingles, Prepared. Amalgamated Roofing Company. 195,792; June 2.
Roofing compound, Asphalt. Pioneer Paper Company. 210,749; June 2.
Roofing materials. F. R. Brydle. 194,046–7; June 2.
Shingles. Amalgamated Roofing Company. 195,793; June 2.
Tiles. California Clay Products Co. 211,572; June 2.
Wood, baths, siding, etc., Compressed. Naamlooze Vennootschap Maatschappij Ago tot het Verwerken, Veredelen en Drogen van Hout. 208,743; June 2.

CLASS 13.

Coffee urns, hot-water urns, urn stands, plate warmers, etc. S. Blickman, Inc. 201,799; June 2.
Fenceposts, Metallic. Calumet Steel Company. 198,049; June 2.
Glass hardware, Builders'. Technical Glass Company. 211,238; June 2.
Kitchenware, Displays or stocks of. Washburn Company. 197,642; June 2.
Nut and washer. Combined. Williams Bros. Aircraft Corporation. 210,107; June 2.
Pipe fittings and valves. Walworth Manufacturing Company. 211,640; June 2.
Valves. Spencer Thermostat Company. 204,204; June 2.
Valves, Regulator. Air Scale Co. 211,398; June 2.

CLASS 15.

Candles. Standard Oil Company. 209,825; June 2.
Gasoline. Pontiac Oil Company. 204,628; June 2.
Gasoline and lubricating oils and greases. Independent Oil Men of America. 212,267–8; June 2.
Gasoline, kerosene, lubricating oils and greases. Sunrise Oil Company. 211,553; June 2.
Lubricants and liquid fuel. Empire Petroleum Co. 211,088; June 2.
Oil for motors, Flushing. Richfield Oil Company. 212,202; June 2.
Oil, Lubricating. Boxana Petroleum Corporation. 212,754; June 2.
Oils and greases, Lubricating. B. L. Feuerstein. 210,959; June 2.
Oils made from petroleum, lubricating greases. Humble Oil & Refining Company. 212,816; June 2.
Oils, Motor. Sphinx Motor Oil Company. 211,431; June 2.
Petroleum and products of petroleum. Standard Oil Company of New York. 206,699; June 2.

CLASS 16.

Chemical substances, Composition of. Felix Vanasse and Joseph Dromin. 201,783; June 2.
Colors. A. Sartorius & Co. 208,815; June 2.
Enamel undercoating, White. Great Lakes Varnish Works, Inc. 213,299–300; June 2.
Gasoline. Richfield Oil Company. 211,617; June 2.
Lacquers and enamels, undercoatings, and thinners, Nitrocellulose. Sherwin-Williams Company. 212,756; June 2.
Paint. Varcraft Works, Inc. 212,413; June 2.
Paint, paint enamel, shellac, stain. L. Abeeck. 207,909; June 2.
Paint restorer and preservative. A. B. Ryder. 211,871; June 2.
Paints, paint enamels, varnishes, stains, etc. Blackburn Varnish Company. 211,011; June 2.
Polish, Automobile. F. Scidmore. 212,609; June 2.
Polish, Furniture. C. M. Kimball Company. 211,481; June 2.
Polishes, Automobile and lemon-oil. S. Hecht. 212,001; June 2.
Primers, surfacers, or paint undercoatings, solvents, etc. Valentine & Company. 210,935; June 2.
Priming surfaces, refinishing old paint and varnish, etc., Preparation for use in. Fiab-Schurman Corporation. 212,790; June 2.
Stains, Oil. Great Lakes Varnish Works, Inc. 213,296; June 2.
Stains, Shingle. Tar Products Corporation. 212,213–15; June 2.
Varnishes, stains, lacquers, etc. Standard Varnish Works. 212,209; June 2.
Wax for floors, etc. Nice Wax Company. 209,463; June 2.

CLASS 17.

Cigars. S. Minutoli. 193,470; June 2.
Cigars. Shouse-Fulp Cigar Company. 211,808; June 2.

CLASS 19.

Automobile radiator protectors. C. E. Erickson Co. 210,652; June 2.
Radiator caps. Ellison Brass Manufacturing Company. 206,226; June 2.
Spokes, Steel. Tiley Pratt Co. 211,683; June 2.
Springs, Automobile, truck, and railway. Laher Auto Spring Co. 178,448; June 2.

CLASS 20.

Floor coverings. Congoleum-Nairn, Inc. 210,288; June 2.

CLASS 22.

Golf balls. Faultless Rubber Company. 207,238–9; June 2.
Skates, Ice. Alfred Johnson Skate Co. 210,170; June 2.
Sporting goods and toys. National Department Stores Inc. 200,514; June 2.

CLASS 23.

Bearings and bushings. Bound Brook Oil-Less Bearing Company. 211,972–3; June 2.
Drilling machinery, Metal-. Western Machine Tool Works. 211,509; June 2.
Knives, Cane. Collins Company. 211,156; June 2.
Mop wringers. Eagle Woodenware Manufacturing Company. 207,921; June 2.
Wrenches. Girard Wrench Manufacturing Company. 174,807; June 2.
Wrenches. U. S. Wrench Mfg. Co. 211,724; June 2.

CLASS 25.

Banks, Portable savings. International Service Co. 211,477; June 2.

CLASS 26.

Measuring and dispensing apparatus, Hand-operated liquid. St. Louis Pump & Equipment Company. 211,766; June 2.
Picture films, Motion-. Art Mix Productions, Inc. 210,642; June 2.

CLASS 32.

Mattresses. Star Mattress Company. 212,407; June 2.
Mattresses. United Manufacturing Company. 210,590; June 2.
Pillows. Pine Pillow Company. 183,721; June 2.
Tables, Automobile. Sherburne H. Sleeper. 211,806; June 2.

CLASS 34.

Furnaces and water heaters, Hot-air. American Furnace & Foundry Co. 211,195; June 2.
Heaters and furnaces, heating system, etc. Richardson & Boynton Co. 198,859; June 2.
Stoves. California Metal Enameling Co. 210,345; June 2.

CLASS 35.

Belting, hose, asbestos and rubber packings, and lacing. R. Orlob. 211,487; June 2.
Brake and clutch linings. Raybestos Company. 207,949; June 2.
Gaskets. Victor Manufacturing & Gasket Co. 211,769; June 2.
Packing. R. Orlob. 211,118; June 2.

CLASS 37.

Multiplying masse and wax paper. Greif-Werke vormals Deutsche Bürobedarfsgesellschaft Bruer & Co. 200,356; June 2.
Pan liners. G. Sherman. 212,647; June 2.
Paper and stencils, cardboard, etc., Wax. C. F. Brauer. 205,318; June 2.
Paper, Writing and printing. International Paper Company. 212,186; June 2.
Papers, Bond and ledger. Lee Paper Company. 212,561; June 2.
Papers, Wall and toilet. National Department Stores Inc. 200,519; June 2.
Radio-receiving-apparatus station log. L. B. Benney. 211,542; June 2.
Stamps, Time, desk, dating, and certification. Colonial Engraving Company. 212,856; June 2.

CLASS 38.

Cards, Greeting. H. K. Randall. 191,978; June 2.
Journals and pamphlets, Trade. American News Company. 211,820; June 2.
Magazine known as Sketch Book. D. H. Fessenden. 212,377; June 2.
Magazine, Monthly. Class Journal Company. 212,784; June 2.
Periodical. M. Haywood. 213,084; June 2.
Periodicals. Women's Viewpoint Publishing Company. 212,660; June 2.
Publication, Monthly. R. Thomas & Sons Co. 212,761; June 2.

CLASS 39.

Belts, Leather waist. Druid Oak Belting Company. 213,068; June 2.
Boots, shoes, mules, and slippers, and hosiery. H. S. Callaway. 210,784; June 2.
Caps. Feldstein Bros. & Co. 211,413; June 2.
Clothing. S. J. Cohen. 207,778; June 2.
Clothing for men. Joseph H. Cohen & Sons, Vanity Clothes Inc. 209,617; June 2.
Coats. Erd Marshall Co. 207,185; June 2.
Coats, suits, dresses, and aprons, Ladies' ready-to-wear. Fitts-Smith Dry Goods Company. 212,427; June 2.
Coats, vests, etc., and women's and children's coats and knickerbockers, Men's. Alfred Decker & Cohn, Inc. 211,837; June 2.
Collars and shirts. Cluett, Peabody & Co. 210,353; June 2.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Corsets. Chappell, Allen & Co. 212,855; June 2.
Cravats and neckties, Men's. C. F. Jacobson. 211,683; June 2.
Dresses, Infants' and children's. Hirsch & Glantzman. 211,270; June 2.
Frocks and dresses, Children's. Jacobs, Grossman and Rosenberg. 209,040; June 2.
Fur garments. Feldbaum & Spiegel, Inc. 212,376; June 2.
Garters. J. A. S. Brown. 212,886; June 2.
Gowns, tailor-made suits and dresses, coats, etc. Lucile Staff Inc. 199,655; June 2.
Hats and helmets. H. Johnson. 207,885; June 2.
Hats, Ladies' and misses'. D. B. Fisk & Company. 211,584; June 2.
Hats, Men's. Frank Kats Hat Co. 211,275; June 2.
Hose, Men's. H. I. Gelvin. 211,267; June 2.
Hosiery. Oliver Bros. 209,285; June 2.
Hosiery. Salomon Stern Ltd. of America. 210,858; June 2.
Hosiery. A. V. Victorius & Co. 208,268; June 2.
Hosiery, Ladies'. J. & M. Wolf. 206,387; June 2.
Hosiery, underwear, sweaters, etc. Alabama Dry Goods Company. 211,399; June 2.
Neckties. L. Lerner. 199,068; June 2.
Neckties and scarfs. Harmon & Harmon. 194,537; June 2.
Overalls, shirts, and pants, Workmen's. Lewis Meier & Company. 208,527; June 2.
Overcoats, suits, and coats, vests, and trousers separately. Chas. Douglis Mack Co. 209,898; June 2.
Pants, Men's. Davis Detroit Pant Manufacturing Co. 207,919; June 2.
Shirts. Max Hyman & Son, Inc. 211,476; June 2.
Shirts and underwear, Men's. Textile Shirt Company. 211,067; June 2.
Shirts, Dress and negligee. Cluett, Peabody & Co. 211,979; June 2.
Shirts, Dress and negligee. Cluett, Peabody & Co. 212,322; June 2.
Shirts, Dress and negligee. National Shirt Shops, Inc. 211,605; June 2.
Shirts, hosiery, belts, etc. Fields-Watkins Company. 211,024; June 2.
Shirts, pyjamas, and men's underwear. Walter M. Steppacher & Bro. Inc. 210,629; June 2.
Shoes. Battreall & Son. 210,700; June 2.
Shoes. Sportocasin Co. 212,461; June 2.
Shoes, Leather. Simplex Shoe Manufacturing Company. 211,712–13; June 2.
Sleeping garments, Children's. Perry Knitting Company. 206,026; June 2.
Suits, overcoats, and topcoats. C. Greenberg. 211,028; June 2.
Sweater vest, Combination. Kaddie Klub Knitwear Inc. 206,512; June 2.
Sweaters and jackets. J. David. 209,565; June 2.
Sweaters, scarfs, golf hose, and knitted fabric gloves, etc., Hand-knitted. J. Connolly. 202,243; June 2.
Sweaters, sport coats, jackets, and slip-ons. Security Mills, Inc. 205,448; June 2.

CLASS 40.

Buttons. Hobe Button Co. 211,097–9; June 2.
Buttons. Hobe Button Co. 211,101–4; June 2.
Hairpins, Coiffure. Hyman & Oppenheim. 211,594; June 2.
Lacings, galloons, and braids. International Braid Company. 211,106; June 2.

CLASS 42.

Blankets, bed covers and spreads, and coverlets. M. Perego. 205,225; June 2.
Carpets, Textile. Kent-Costikyan Trading Company. 207,682; June 2.
Cotton and silk and cotton piece goods. Turner & Vandam, Inc. 213,151; June 2.
Cotton piece goods. Pacolet Mfg. Co. 212,955; June 2.
Cotton piece goods. Spartan Mills. 211,298; June 2.
Cotton, silk, and cotton and silk fabrics. Max Kaufmann & Co. 213,249–50; June 2.
Cotton, silk, linen, and mixtures of same in the piece. Jacob Miller's Sons Co. 213,183; June 2.
Cotton, silk, wool, and linen textiles in the piece and combinations of same. Lester R. Walls Co. 209,954; June 2.
Duck and drill materials, Tent. Fulton Bag & Cotton Mills. 182,748; June 2.
Handkerchiefs. M. & K. Handkerchief Manufacturers. 210,801; June 2.
Insertions, scarfs, and bed sets. North American Lace Company. 211,372; June 2.
Sheets, pillowcases, and cotton piece goods. Burnham Stoepel & Company. 212,908; June 2.
Silk, etc., piece goods. Estes & Blum, Inc. 213,288; June 2.
Silk fabrics in the piece. Cheney Brothers. 212,671–4; June 2.
Silk piece goods. Wechsler Barber Silk Company. 212,842; June 2.
Silk, wool, linen, etc., piece goods. Haas Brothers Fabrics Corporation. 213,079; June 2.
Silk, wool, linen, etc., piece goods. Haas Brothers Fabrics Corporation. 213,081; June 2.
Wool piece goods. Haas Brothers Fabrics Corporation. 213,082; June 2.

CLASS 43.

Thread. Elmore Company. 212,067; June 2.
Threads and yarns. Mutual Thread Company. 207,990; June 2.
Yarns. Edwin H. Fitler Co. 191,947; June 2.

CLASS 44.

Catamenial bandages. J. Biondo. 210,228; June 2.
Lamps, Flexible connecting arm for positioning and holding electric. J. Sklar Manufacturing Company. 190,276; June 2.
Nipples, syringes, and hot-water bottles. Robert J. Pierce Inc. 205,030; June 2.
Sanitary absorbent pads. Sanitary Fibre Co. 209,500; June 2.

CLASS 45.

Beverage. Jack Beverages, Inc. 204,774; June 2.
Beverage. National Process Chocolate Corporation. 211,176; June 2.
Beverage. C. A. Nowak. 209,136; June 2.
Beverage and sirups for making same. Mrs. A. Ayres. 211,565; June 2.
Beverages. C. G. Armstrong. 210,781; June 2.
Beverages. Ed. Miltenberger & Sons. 211,940; June 2.
Beverages and sirups and extracts for making same. Horlacher Brewing Co. 211,532; June 2.
Beverages and sirups for compounding same. Alabama Bottling Co. 212,223; June 2.
Beverages, Extract or sirup used in the preparation of. J. Di Noia. 211,574; June 2.

CLASS 46.

Bacon, ham, lard, etc. Blayney-Murphy Company. 207,055; June 2.
Bread. Barker Bread Co. 212,329; June 2.
Bread making, Compound used in. Dex Manufacturing Co. 207,812; June 2.
Candies. Mentopine Corporation. 194,654; June 2.
Candies and filled confections, Hard. Peerless Confection Company. 192,495; June 2.
Candy. Phillips Sisters. 194,614; June 2.
Candy. Venus, Inc. 205,808; June 2.
Canned and bottled olives and cherries. Old Monk Olive Oil Company. 202,032; June 2.
Canned cherries, peas, mushrooms, etc. James P. Smith & Company. 194,956; June 2.
Canned oysters. Tillman & Bendel, Inc. 210,149; June 2.
Canned pineapple. Pearl City Fruit Co. 210,309; June 2.
Canned rock lobster. International Marine Products Company. 206,736; June 2.
Canned tomatoes. Tillman & Bendel, Inc. 210,024; June 2.
Canned vegetables. B. C. Moseley. 212,942; June 2.
Canned vegetables. H. Truitt. 206,933; June 2.
Cheese. Aplin & Barrett & The Western Counties Creameries, Limited. 208,372; June 2.
Chocolate, M. L. Wenz. 185,067; June 2.
Coffee. C. W. Sheed. 209,753; June 2.
Coffee, teas, olive oil, peanut butter, etc. Larkin Co. Inc. 193,296; June 2.
Feed, Hog. Empire Milling Company. 210,721; June 2.
Flour, Wheat. Washburn-Crosby Company. 174,047; June 2.
Food products, Cooked and canned. College Inn Food Products Company. 212,889; June 2.
Foods or feeds, Animal and poultry. Pratt Food Co. 210,403; June 2.
Ham and bacon. Anaheim Beef Company. 205,259; June 2.
Hams, shoulders, bacon, and lard. Neuhoff Packing Company. 202,178; June 2.
Honey and peanut butter, Compound of. A. C. Becker. 211,776; June 2.
Honey, Bottled. M. Mitton. 210,680; June 2.
Lettuce, Fresh. J. H. Smith. 211,430; June 2.
Malt extract. Red Top Malt Extract Company. 208,250; June 2.
Matzoths, Tea. A. Goodman & Sons Inc. 200,678; June 2.
Mayonnaise. College Inn Food Products Company. 207,179; June 2.
Milk, Powdered. Pulvolac Co. of America. 212,964; June 2.
Oranges, lemons, grapefruit. Fillmore Citrus Fruit Association. 211,414; June 2.
Peanut butter. United Fig & Date Co. 211,142; June 2.
Pies. S. E. Loveless, Inc. 212,275; June 2.
Pop corn, Sugared. Rudolph & Bauer. 205,954; June 2.
Sandwiches. G. L. Cook. 197,586; June 2.

CLASS 49.

Whisky. Hill & Hill Distilling Company. 208,346; June 2.

CLASS 50.

Tents, awnings, canvas hammocks, and sun canopies. Ames Harris Neville Co. 206,988; June 2.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 2D DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aalborg, Christian, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Snap switch. 1,539,819; June 2.
Abbott, Raymond B., West Lafayette, Ind. Electrical stethoscope. 1,540,585; June 2.
Abernethy, Harry D. (See Abernethy, Harry M. and H. D.)
Abernethy, Harry M. and H. D., Cleveland, Ohio. Combined stationary transformer and converter. 1,540,236; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,428; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,429; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,430; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,431; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,432; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,433; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,434; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,435; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,436; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,437; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,438; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,439; June 2.
Abrams, William, Chicago, Ill. Lamp base. Des. 67,440; June 2.
Abrams, William, Chicago, Ill. Spindle for lighting fixtures. Des. 67,441; June 2.
Acme Knitting Machine & Needle Company. (See Murphy G., and Simond, assignors.)
Adam, Lewis D., Jet, Okla. Fish bait. 1,540,586; June 2.
Akron Rapatire Company, The. (See Feldhaus, F. F., and Noah, assignors.)
Albritton, Etas J., Jackson, Miss. Car puller. 1,540,587; June 2.
Alderson, W. E., et al. (See Mayberry, John A., assignor.)
Alexander, Horace G., South Londonderry, Vt. Sectional roll. 1,540,588; June 2.
Alexanderson, Julius C. (See Tradet, J. F., and Alexanderson.)
Allen, Boston, Baltimore, Md. Medical apparatus. 1,540,589; June 2.
Allen, Charles H. and G. S. Soseman, Chicago, Ill., assignors, by mesne assignments, to the Allenlite Company. Headlight. 1,540,234; June 2.
Allen, Erastus S., Toledo, Ohio. Pouring spout for cartons and receptacles. 1,539,985; June 2.
Allen, Harry C., Charlotte, N. C. Slug guide. 1,540,235; June 2.
Allen, Herman J., Wichita, Kans. Oil burner. 1,540,672; June 2.
Allen, Jared E., assignor to Oneida Community, Ltd., Oneida, N. Y. Animal trap. 1,540,590; June 2.
Allenlite Company, The. (See Allen, C. H., and Soseman, assignors.)
Allman, Frank O., St. Paul, Minn. Combination window sash. 1,539,927; June 2.
Allspaw, Harry L., West Lafayette, Ind. Game. 1,540,299; June 2.
Alter, Sherman. (See Curtis, Clayton L., assignor.)
Altman, Bernard, Pittsburgh, A. M. Fulton, New Castle, and H. C. Breese, Pittsburgh, Pa. Carrier for dental flasks. 1,540,300; June 2.
American Bottle Company, The. (See Ginter, Paul A., assignor.)
American Bottle Company, The. (See Johnson, Sigfrid W., assignor.)
American Bottle Company, The. (See Picker, Alice K., assignor.)
American Can Company. (See Hothersall, John M., assignor.)
American Coating Mills. (See Colbert, C. C., and Preston, assignors.)
American Fabrics Company, The. (See Page, Samuel H., assignor.)
American Manganese Steel Company. (See Clark, John O., assignor.)
American Manganese Steel Company. (See Nichols, Wesley G., assignor.)
American Optical Company. (See Boutelle, William H., assignor.)
American Platinum Works. (See Gaschke, George, assignor.)
American Roll Gold Leaf Company. (See Littlefield, George E., assignor.)
American Shoe Machinery & Tool Company. (See Krag, Harry W., assignor.)
American Steel and Wire Company of New Jersey, The. (See Truxal, Edward L., assignor.)
American Steel Foundries. (See Williams, William E., assignor.)
American Telephone and Telegraph Company. (See Ilgenfritz, Lester M., assignor.)
American Telephone & Telegraph Company. (See Honsman, Richard K., assignor.)
American Telephone and Telegraph Company. (See Taggart, Dawson M., assignor.)
American Voith Contact Company. (See Lang, Richard, assignor.)
Amico, Charles. (See Stella, Pasquale, assignor.)
Anderson, Edward M., Jersey City, N. J., assignor to Anderson & Prigge, Inc., New York, N. Y. Notebook holder. 1,540,524; June 2.
Anderson, Gustav F., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y. Closure for receptacles. 1,540,301; June 2.
Anderson, Gustav F., assignor to Paragon Can & Cap Company, Inc., Brooklyn, N. Y. Manufacturing closures for receptacles. 1,540,302; June 2.
Anderson, Gustav F., Brooklyn, N. Y., assignor to Paragon Can & Cap Company, Inc., Paterson, N. J. Receptacle closure. 1,540,303; June 2.
Anderson, Olaf A., Hamilton, Ohio. Door latch. 1,540,525; June 2.
Anderson & Prigge, Inc. (See Anderson, Edward M., assignor.)
Anderson, Rufus L., Orlando, Fla. Headlight deflector. 1,540,673; June 2.
Anderson, William C., Kansas City, Mo. Flash light. 1,540,304; June 2.
Anglada, Joseph A., Jenkintown, Pa. Motor vehicle. 1,540,526; June 2.
Angus, Donald J., Indianapolis, Ind. Reactance. 1,539,928; June 2.
Apple, Vincent G., Dayton, Ohio. Electric-power-plant system. 1,540,237; June 2.
Arave, Joseph E., Los Angeles, Calif. Fluid-power transmission. 1,540,453; June 2.
Arial, Jean B., Ottawa, Ontario, Canada. Mail box. 1,539,929; June 2.
Armstrong, Edwin H., Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Wave signaling system. 1,539,820; June 2.
Armstrong, Edwin H., Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Wave signaling system. 1,539,821; June 2.
Armstrong, Edwin H., Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Wave signaling system. 1,539,822; June 2.
Armstrong, Frank O., Altamont, Kans. Straw-burning device. 1,540,382; June 2.
Armstrong Manufacturing Company. (See Watson, George R., assignor.)
Arsneau, Edward P., Spokane, Wash. Crescent saw. 1,539,818; June 2.
Ashton, George, assignor to The Central Frog and Switch Company, Cincinnati, Ohio. Switch stand. 1,540,156; June 2.
Ashton, William T., New Castle, Pa. Shock absorber. 1,540,674; June 2.
Atlas Powder Company. (See Huyett, Daniel D., assignor.)
Auerlicht Gesellschaft m. b. H., Kommanditgesellschaft. (See Moegling, Bruno, assignor.)
August, Johannes R. C. (See Hunter, R. K., and August.)
Austin, Frank B., Attleboro, Mass. Oil-burning apparatus. 1,540,675; June 2.

Automatic Electric Company. (See Bellamy, John I., assignor.)
Automatic Electric Company. (See Erickson, John, assignor.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Automatic Electric Heater Company. (See Clark, Warren F., assignor.)
Automobile Club of Southern California. (See East, Ernest E., assignor.)
Averill Manufacturing Co. (See Parsons, George H., assignor.)
Ayers, John T., Lachute, Quebec, Canada. Cleaning conveying and supporting elements. 1,540,454; June 2.
Baddiley, James, and W. W. Tatum, assignors to British Dyestuffs Corporation Limited, Manchester, England. Dyestuffs of the anthraquinone series. 1,540,733; June 2.
Baer, Charles H. (See Whipple, Raymond T., assignor.)
Bagan, John P., Vancouver, British Columbia, Canada. Guard and ledger plate. 1,540,157; June 2.
Bagley, Henry J., sr., Brooklyn, N. Y. Combustion head or burner for blowtorches. 1,540,676; June 2.
Baker Brothers Glass Company. (See Cannon, W. R., and Davis, assignors.)
Baker, William A., and F. A. Ramler, Toledo, Ohio; said Baker assignor to said Ramler. Ventilation apparatus. 1,540,305; June 2.
Baldwin, Frederic E., Philadelphia, Pa. Collapsible or deformable tube. 1,539,823; June 2.
Balint, Frank, Bridgeport, Conn. Electric switch. 1,540,097; June 2.
Ballard, Harrie A., assignor to General Shoe Machinery Company, Boston, Mass. Machine for tucking and trimming fabric-covered innersoles. 1,540,238; June 2.
Balmer, J. H., Co. (See Balmer, John H., assignor.)
Balmer, John H., Maplewood, assignor to J. H. Balmer Co., Newark, N. J. Shelf-supporting bracket. 1,540,677; June 2.
Balt Manufacturing Company. (See Bennett, Charles E., assignor.)
Baltimore Gas Engineering Corporation, The. (See Wilson, Robert E., assignor.)
Barghausen, John F., Takoma Park, D. C. Refrigerated display counter. 1,540,158; June 2.
Barker, Charles H. Tregarva, Saskatchewan, Canada. Grain loader. 1,540,289; June 2.
Barker, Percy E., assignor of one-half to T. B. Van Dorn, Cleveland, Ohio. Washing machine. 1,539,824; June 2.
Barker, Percy E., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Dump truck. 1,540,527; June 2.
Barker, Raymond L., Chicago, Ill. Surface-abrading device. 1,540,591; June 2.
Barstow, Edwin O., and N. A. Best, assignors to The Dow Chemical Company, Midland, Mich. Piston. 1,540,306; June 2.
Bassett, William F., Columbus, Ind. Replaceable tool handle. Re16,088; June 2.
Battle, John R. (See Brown, Paul, assignor.)
Baumheckel, William M., Milwaukee, Wis. Leakproof joint. 1,540,240; June 2.
Baxter, Berry A., Mansfield, Ohio. Gas burner. 1,540,678; June 2.
Bayne, George G. (See Knutson, Alfred W., assignor.)
Beachler, George F., Cleveland, Ohio. Sphygmomanometer. 1,540,241; June 2.
Beall, Charles R., assignor to The Union Switch & Signal Company, Swissvale, Pa. Voltage-regulating apparatus. 1,540,307; June 2.
Beard, Ollie P., Holden, Mo. Pump base. 1,540,283; June 2.
Beatty, Robert J., Dodge Center, Minn. Casket-carriage attachment. 1,539,986; June 2.
Beck, William E., Herrick, Ill. Name plate. 1,540,455; June 2.
Bell, Albert C., trustee. (See Scesions, Edson G., assignor.)
Bell, John A., Detroit, Mich. Adjustable wrench. 1,539,987; June 2.
Bell, Thomas V., Montreal, Quebec, Canada. Holder for counter check books and the like. 1,540,242; June 2.
Bellamy, John I., assignor to Automatic Electric Company, Chicago, Ill. Make-busy arrangement for secondary trunking switches. 1,540,159; June 2.
Bellman Brook Bleachery Company. (See Millikin, Joseph P., assignor.)
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin Electric Manufacturing Company. (See Hopkins, Charles L., assignor.)
Benjamin Electric Manufacturing Company. (See Warner, Charles E., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical receptacle. 1,540,050; June 2.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Plug cluster. 1,540,051; June 2.
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Panel board. 1,540,052; June 2.
Bennett, Charles E., Decatur, assignor to Balt Manufacturing Company, Atlanta, Ga. Protective installation for electric circuits. 1,540,679; June 2.
Bennitt, George E., New York, N. Y., assignor to Peerless Manufacturing Company, Louisville, Ky. Radiant gas heater. 1,540,528; June 2.
Bent, James A., et al. (See Wiard, Robert G., assignor.)
Bentley, John. (See Scott, W. H., and Bentley.)
Bentley, John G., Glen Rock, N. J. Quill. 1,540,308; June 2.
Beougher, Lawrence E., McFarland, Calif. Shock absorber. 1,540,243; June 2.
Berger, Doris P. (See Berger, Moris M., assignor.)
Berger, Moris M., assignor to D. P. Berger, Cleveland Heights, Ohio. Spring motor for cleaning apparatus. 1,539,930; June 2.
Berglund, Gust A., Joliet, Ill. Clothesline reel. 1,540,244; June 2.
Bergquist, Arthur E., Lindstrom, Minn. Fingerprint detector and developer. 1,540,680; June 2.
Bergsten, John, Torrance, Calif., assignor, by mesne assignments, to Standard Machine Company. Well apparatus. 1,540,245; June 2.
Berminghaus, Julius A., St. Louis, Mo. Dirigible headlight. 1,540,309; June 2.
Berrigan, John B. (See Malon, Katheryne P., assignor.)
Best, Norman A. (See Barstow, E. O., and Best.)
Best, Robert B., Kalamazoo, Mich. Emulsifying or mixing apparatus. 1,540,592; June 2.
Bethke, Gustave A. (See Klinkhammer, Joseph, assignor.)
Bethlehem Steel Company. (See Lukens, William L., assignor.)
Bessenberger, Fred K., Cleveland, Ohio. Producing color substances. 1,540,098; June 2.
Billings, Frank. (See Greenleaf, Robert P., assignor.)
Birch, James S., Chicago, Ill. Truss. 1,540,593; June 2.
Bischoff, Jan J., Madioen, Java, Dutch East Indies. Internal four-cycle combustion engine. 1,540,594; June 2.
Blaisdell, Hiram W., New York, N. Y. Valve. 1,540,529; June 2.
Blakeley, Henry F., et al. (See Rogers, John, assignor.)
Blakely, William W., Detroit, Mich. Anchorage device for vehicles. 1,539,931; June 2.
Blassie, Steve, Ashtabula Harbor, Ohio. Cutting device for butter and like products. 1,540,246; June 2.
Bloom, Charles, New York, N. Y. Manufacture of heads for dolls, manikins, etc. 1,540,384; June 2.
Bodwell, Henry A., assignor to Smith & Dove Manufacturing Co., Andover, Mass. Winding cordage. 1,539,825; June 2.
Boehringer, C. F., & Soehne, G. m. b. H. (See Gisman, Gustav, assignor.)
Bogdanoff-Friedman, Inc. (See Bogdanoff, Paul G., assignor.)
Bogdanoff, Paul G., Bloomfield, assignor to Bogdanoff-Friedman, Inc., Newark, N. J. Centrifugal pump. 1,540,530; June 2.
Bohacek, Bruno P., assignor to the corporation of Maschinenfabrik Moenus A.-G., Frankfort-on-the-Main, Germany. Skin rest. 1,540,208; June 2.
Bollinger, Frederick A. (See Tuttle, J. C., and Bollinger.)
Booge, James E., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Lithopone and making same. 1,540,456; June 2.
Booth, William H., Baton Rouge, La. Magazine tack hammer. 1,539,894; June 2.
Booth, William N., Detroit, Mich. Manufacture of vehicle wheel-spoke blanks. 1,539,932; June 2.
Boothe, Gardner L., executor. (See Janney, Robert H. L.)
Boots, William, assignor to Guyot Bros., Attleboro, Mass. Link bracelet. 1,540,385; June 2.
Boswell, David A., Indianapolis, Ind. Protected pin. 1,540,531; June 2.
Boutelle, William H., assignor to American Optical Company, Southbridge, Mass. End-piece-clamping means. 1,539,826; June 2.
Bowman, Charles L., Bowdil, Ohio. Clutch-shifting device. 1,540,247; June 2.
Bowman, Oliver S., Colorado Springs, Colo. Floor construction. 1,539,988; June 2.
Bowman, Oliver S., Colorado Springs, Colo. Forming machine. 1,539,989; June 2.
Bowne, Langford J., Howard Beach, assignor to Western Electric Company, Incorporated, New York N. Y. Testing system. 1,540,310; June 2.
Boyance, Elsa, and M. Pekary, New York, N. Y. Dishwasher. 1,540,457; June 2.
Boyer, Stephen J., Detroit, Mich. Vacuum cleaner. 1,540,099; June 2.
Brainard, Pearl H., assignor to Macomb Manufacturing Company, Macomb, Ill. Heat-insulated container. 1,540,311; June 2.
Brauer, Nickolaus, New York, N. Y. Loom for weaving mats. 1,540,595; June 2.
Breese, Harold C. (See Altman, B., Fulton, and Breese.)

British Dyestuffs Corporation Limited. (See Baddiley, J., and Tatum, assignors.)
Britton, Burns W., Oregon City, Oreg. Truck attachment. 1,539,933; June 2.
Brogan, Chas. J., et al. (See Cain, Frank, assignor.)
Brogan, John H., et al. (See Cain, Frank, assignor.)
Brown & Bigelow. (See Fischer, Howard L., assignor.)
Brown, Fred A., Los Angeles, Calif. Method and apparatus for unloading poles or the like from cars. 1,540,248; June 2.
Brown, Fred A., Los Angeles, Calif. Wire-grounding device. 1,540,249; June 2.
Brown, Jacob S., assignor of one-half to W. F. Eichenhofer, Los Angeles, Calif. Underreamer. 1,539,990; June 2.
Brown, James H., Butte, Mont. Acetylene-gas generator. 1,540,250; June 2.
Brown, Oliver W., and C. O. Henke, Bloomington, Ind. Battery separator. 1,540,532; June 2.
Brown, Paul, Philadelphia, assignor, by mesne assignments, to J. E. Battle, Ardmore, Pa. Method and mechanism for controlling the discharge of lubricant from lubricators. 1,539,827; June 2.
Brown, Thomas W. (See Hight, G. F., and Brown).
Brunell, Homer A. (See Burtnett, Everett R., assignor.)
Bryan, George T., Kansas City, Mo. Washing machine. 1,540,386; June 2.
Buckbee, Charles E., Detroit, Mich. Power transmission. 1,540,720; June 2.
Buckley, William, and J. S. Carpenter, Chicago, Ill., said Carpenter assignor to said Buckley. Cloth holder for filter presses. 1,540,251; June 2.
Builders Iron Foundry. (See Conner, Frederick N., assignor.)
Bullock, Charles F., Schenectady, N. Y., assignor to General Electric Company. Flow-meter installation. 1,540,533; June 2.
Bultmann, Ferdinand W., Wakenda, Mo. Shore protector. 1,540,534; June 2.
Burke, James P., Newark, N. J. Instrument knob or similar article. Des. 67,442; June 2.
Burke, James P., Newark, N. J. Instrument knob or similar article. Des. 67,443; June 2.
Burke, James P., Newark, N. J. Instrument knob or similar article. Des. 67,444; June 2.
Burke, Leo J., Philadelphia, Pa. Heat saver and heat-increasing section for boiler fires. 1,540,535; June 2.
Burnham, George A., Saugus, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company. Electric switch. 1,540,596; June 2.
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Apparatus for cooling transformers. 1,540,536; June 2.
Burns, Joseph, Okmulgee, Okla. Temper screw. 1,540,597; June 2.
Burrows, William R., Newark, N. J., assignor to General Electric Company. Making lamp mounts and similar articles. 1,540,537; June 2.
Burt, Edith A. B., Springfield, Mass. Reenforcement for buttonholes. 1,540,538; June 2.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,540,458; June 2.
Burtnett, Everett R., assignor of one-half to H. A. Brunell, Los Angeles, Calif. Internal-combustion engine. 1,540,459; June 2.
Burton, Perry H., Floral Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-receiving circuit. 1,540,053; June 2.
Button Attaching Machine Co., The. (See Ross, Frederick N., assignor.)
Buxton, Incorporated. (See Buxton, Warner R., assignor.)
Buxton, Warner R., Longmeadow, Mass., assignor to Buxton, Incorporated. Case for keys and the like. 1,540,598; June 2.
Buzza, George E., Minneapolis, Minn. Game device. 1,539,895; June 2.
Byrne, Martin L., Syracuse, N. Y. Collapsible tube. 1,540,460; June 2.
Cain, Frank, assignor of one-third to C. J. Brogan and J. H. Brogan and one-third to L. H. Cain, Tyler, Tex. Valve. 1,540,539; June 2.
Cain, Loyd H., et al. (See Cain, Frank, assignor.)
Caldemeyer, Daniel H., Evansville, Ind. Folding couch. 1,540,160; June 2.
Caldwell, James A. (See Kirkpatrick, G. W., and Caldwell.)
California Packing Corporation. (See Meacham, Ernest A., assignor.)
Callison, Libern B., and E. J. Erlandson, Charlton, Iowa. Grader attachment for tractors. 1,540,161; June 2.
Calthrop, Everard R., London, England. Erecting reenforced concrete structures. 1,540,312; June 2.
Calvin, William H. L., assignor of one-half to J. Vellone, San Francisco, Calif. Oil-gas-making apparatus. 1,540,541; June 2.
Cameron, Hugh M., Woodhaven, N. Y. Scale. 1,539,934; June 2.
Camm, Ernest, and J. W. Wright, Whitehall, Ill., assignors to Camm-Wright-Wemken Company. Swing. 1,540,540; June 2.
Camm-Wright-Wemken Company. (See Camm, E., and Wright, assignors.)
Campbell, Carleton W., Denver, Colo., assignor, by mesne assignments, to Moll Manufacturing Company. Tube-plate vulcanizer. 1,539,828; June 2.
Campbell-Smith-Ritchie Co. (See Stewart, Andrew J., assignor.)
Canedy-Otto Mfg. Co. (See Cole, Frank L., assignor.)
Cannon, William R., and E. Davis, assignors to Baker Brothers Glass Company, Okmulgee, Okla. Capping horse. 1,540,204; June 2.
Cantwell, John M., Tarrytown, N. Y. Screw lifting jack. 1,540,511; June 2.
Cappellanti, Harry, Morgantown, W. Va. Pressure-responsive switch for gas-flow alarms. 1,539,991; June 2.
Carhart, Stephen J., Watervliet, N. Y. Building frame. 1,540,542; June 2.
Carollo, Antonio. (See Vernaci, J., and Carollo.)
Carollo, Luigi. (See Vernaci, J., and Carollo.)
Carollo, Salvatore. (See Vernaci, J., and Carollo.)
Carpenter, John S. (See Buckley, W., and Carpenter.)
Carpenter, Warren W., Queens, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,540,054; June 2.
Carroll, Fred M., Binghamton, N. Y., assignor to The National Cash Register Company, Dayton, Ohio. Auditing machine. 1,540,162; June 2.
Carroll, John E., assignor to C. O-2 Products Company, Philadelphia, Pa. Valve attachment. 1,540,512; June 2.
Carter, Marshal S., Wichita Falls, Tex. Combined weeder and cultivator. 1,540,100; June 2.
Caruso, Mario, Irvington, N. J., assignor to The Lionel Corporation. Toy headlight. 1,539,992; June 2.
Cavatt, John J., Johnstown, Pa. Sealed valve. 1,540,513; June 2.
Cavitch, John M., Munising, Mich. Headlight for motor vehicles. 1,540,599; June 2.
Cavitch, John M., Munising, Mich. Drying machine. 1,540,600; June 2.
Central Frog and Switch Company, The. (See Ashton, George, assignor.)
Central Steel Company, The. (See McNally, Thomas, assignor.)
César, Vital. (See Franchimont, E., and César.)
Chamberlain, Rufus N., Chicago, Ill., assignor to Gould Storage Battery Company, Depew, N. Y. Storage battery. 1,540,252; June 2.
Chaney Manufacturing Company, The. (See Ward, James E., assignor.)
Chaplin, Merle P., White Plains, assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,540,313; June 2.
Chapman, John G., Talladega, Ala. Spinning machine. 1,540,163; June 2.
Chapman, Leo M., Chicago, Ill. Hairpin. 1,539,935; June 2.
Chapuis, Walter D., Santa Ana, Calif. Pump-rod suspension device. 1,540,101; June 2.
Check, John E., and R. W. Kent, Wichita Falls, Tex. Combined fan pulley and crank-shaft adjuster. 1,540,601; June 2.
Chemische Fabrik auf Actien (vorm. E. Schering.) (See Emde, Hermann, assignor.)
Chemische Fabrik Griesheim-Elektron. (See Lanka, A. L., and Zitscher, assignors.)
Chemische Fabrik Griesheim-Elektron. (See Zitscher, Arthur, assignor.)
Chesnut, Victor K. (See Power, F. B., and Chesnut.)
Chicago Pneumatic Tool Company. (See Stevens, Edward W., assignor.)
Chillingworth Engineering Corporation. (See Karlson, Gustav V., assignor.)
Chilton, Henry J., Chicago, Ill. Nut and bolt structure. 1,540,055; June 2.
Christlieb, Joseph L., Grants Pass, Oreg. Pliers. 1,540,461; June 2.
Clark, Cornelius S., Norfolk, Va. Internal-combustion engine. 1,540,602; June 2.
Clark, Harold H., assignor to Wico Electric Company, Springfield, Mass. Interrupter mechanism. 1,540,603; June 2.
Clark, James H., River Rouge, Mich. Steering mechanism for vehicles. 1,539,936; June 2.
Clark, John O., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Pocketed bottom for excavating dippers. 1,540,314; June 2.
Clark, Omar E. (See Shaer, A. H., and Clark.)
Clark, Warren F., assignor to Automatic Electric Heater Company, Warren, Pa. Pressure-responsive make-and-break device. 1,540,315; June 2.
Clarke, John H. (See Pratt, L. A., and Clarke.)
Clausing, Arthur, Berlin-Charlottenburg, assignor to Siemens & Halske, Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telegraph receiving apparatus. 1,540,387; June 2.
Clay, Henry, London, England. Propulsion of ships and like vessels. 1,540,056; June 2.
Claybourn, Leslie W., Milwaukee, Wis. Measuring apparatus. 1,539,896; June 2.
Clement, Joseph N. C., Three Rivers, Quebec, Canada. Combination dining and billiard table. 1,540,316; June 2.

Clingestein, Heinrich, Cologne-on-the-Rhine, Germany, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Aminoarylalkyltoluolsulfamid azodyes. 1,540,164; June 2.
Clymer, Arthur I., Van Wert, Ohio. Device for use in viewing motion pictures. 1,540,604; June 2.
Cochrane, James R., Franklin, Pa., assignor to W. L. Symons, Washington, D. C. Testing device. 1,539,937; June 2.
Coddington, Edwin D., North Milwaukee, Wis. Reinforced building fabric. 1,540,057; June 2.
Cohen, Saul, New York, N. Y. Hair holder. 1,540,102; June 2.
Colbert, Charles C., and G. E. Preston, assignors to American Coating Mills, Elkhart, Ind. Hang-up apparatus. 1,540,721; June 2.
Colbert, Charles C., and G. E. Preston, assignors to American Coating Mills, Elkhart, Ind. Hang-up apparatus. 1,540,722; June 2.
Cole, Frank L., Chicago Heights, assignor to Canedy-Otto Mfg. Co., Chicago, Ill. Guard and work-rest mounting. 1,539,829; June 2.
Coleman, John L., New York, N. Y. Ring. Des. 67,483; June 2.
Collin, George W., Bridgeport, Conn. Automatic thermostatic and time-controlled device. 1,540,058; June 2.
Collingwood, John M., Wichita, Kans. Golf-ball tee mold. 1,540,258; June 2.
Collins, George L. (See Swinscoe, W. E., and Collins.)
Colombino, Rino, Turin, Italy. Automobile top. 1,540,108; June 2.
Colonial Trust Company, et al, administrators. (See Curry, William L.)
Colpitts, Edwin H. (See Craft, E. B., and Colpitts.)
Columbian Enameling & Stamping Co. (See Nelson, Andrew W., assignor.)
Comerford, James A., assignor to Gill Glass Company, Inc., Philadelphia, Pa. Glass luminaire for lighting fixtures. Des. 67,445; June 2.
Condit Electrical Manufacturing Company. (See Burnham, George A., assignor.)
Conley, Edwin J., New York, and G. W. Mullen, Flushing, assignors, by mesne assignments, to Lehmaier Schwartz & Co., Inc., New York, N. Y. Impression metal. 1,539,993; June 2.
Connet, Frederick N., assignor to Builders Iron Foundry, Providence, R. I. Flow meter. 1,540,787; June 2.
Conway, Roy D., Bernardsville, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Selective switch. 1,540,059; June 2.
Contreras, Carrie. (See Mestars, Robert, assignor.)
C-O-2 Products Company. (See Carroll, John E., assignor.)
Cook, A. D., Incorporated. (See Nicholas, Andrew J., assignor.)
Cook, Elizabeth, Salt Lake City, Utah. Hair curler. 1,540,254; June 2.
Cook, John F., jr., Detroit, Mich. Airplane. 1,540,104; June 2.
Cook, John F., jr., Detroit, Mich. Airplane. 1,540,105; June 2.
Cook, Mary E. (See Schofield, Frank H., assignor.)
Cooper, Doctor L., Newton, Miss. Order or note paper roll machine. 1,539,994; June 2.
Corsi, Niccola, Brooklyn, N. Y. Automobile brake-controlling apparatus. 1,540,255; June 2.
Cosin, Joseph J., Brooklyn, N. Y. Vanity case. 1,540,605; June 2.
Costa, Harry T., Grants Pass, Oreg. Gold separator. 1,540,543; June 2.
Cote, Omer E., Pawtucket, assignor to Electrical Products Manufacturing Company Providence, R. I. Coil mounting. 1,540,514; June 2.
Cotton, Alfred, assignor to Heine Boiler Company, St. Louis, Mo. Furnace for boilers. 1,540,106; June 2.
Cotton, George L. (See Spanburg, John H., assignor.)
Cousin, Arthur J. F. J., Jemeppe-sur-Meuse, assignor to Société Anonyme John Cockerill, Seraing, Belgium. Furnace for the direct reduction of metallic ores. 1,540,205; June 2.
Craft, Edward B., Hackensack, and E. H. Colpitts, East Orange, N. J., assignors to Western Electric Company, Incorporated New York, N. Y. Method of and apparatus for recording sound. 1,540,317; June 2.
Crary, Thomas F., Middleport, Ohio. Rain-water cut-off. 1,540,606; June 2.
Cresswell, Walter P., London, England. Baby carriages. 1,540,256; June 2.
Crickmer, Charles S., assignor to Gulberson Corporation, Dallas, Tex. Bleeder for liquid-storage tanks. 1,540,206; June 2.
Crooks-Dittmar Company, The. (See Dittmar, Elmer C., assignor.)
Crowe, John M., assignor to The Crowe Manufacturing Company, Covington, Ky. Portable saw. 1,540,388; June 2.
Crowe Manufacturing Company, The. (See Crowe, John M., assignor.)
Cuenot, Paul A., Harrisburg, Pa. Crucible-steel-melting furnace. 1,540,515; June 2.
Culver, Edward, assignor to George Culver, Limited, Pentonville, London, England. Holding lenses and the like. 1,539,830; June 2.
Culver, George, Limited. (See Culver, Edward, assignor.)
Curry, Albert, et al., administrators. (See Curry, William L.)
Curry, William L., deceased, Pittsburgh, Pa.; A. Curry and Colonial Trust Company, Pittsburgh, administrators. Apparatus for controlling the combustion of fuel. 1,540,607; June 2.
Curtis, Clayton L., South Otselic, assignor of one-half to S. Alter, Ithaca, N. Y. Traction device for tractor wheels. 1,540,544; June 2.
Cytron, Julius, Tulsa, Okla. Bag-holding and measuring apparatus. 1,540,165; June 2.
Dale, James F., Chattanooga, and M. Richardson, Memphis, Tenn. Kitchen range. 1,539,897; June 2.
Damm, Arvid G., Ronninge, Sweden. Apparatus for the production of cipher documents especially for telegraphic dispatch. 1,540,107; June 2.
Davey, George W. (See Waite, F. H., and Davey.)
Davis, Albert E., and S. Davis, Kew Gardens, N. Y. Display device. 1,540,516; June 2.
Davis, Elmer. (See Cannon, W. B., and Davis.)
Davis & Furber Machine Company. (See Howes, Irving C., assignor.)
Davis, John B., Springfield, Mass., assignor to Gilbert & Barker Manufacturing Company. Dispensing pump. 1,540,723; June 2.
Davis, Simon. (See Davis, Albert E. and S.)
Dawson, George K., and H. R. Luce, San Bernardino, Calif. Steering attachment. 1,540,608; June 2.
Day, Emory C., Laguna Beach, Calif. Universal handle for surgical instruments. 1,539,831; June 2.
Deakin, Gerald, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-call distribution system. 1,540,060; June 2.
Dean, George E. (See Seigle, P. G., and Dean.)
Debay, Alfred, San Diego, Calif. Windmill. 1,540,609; June 2.
Debendetti, Guido, Turin, Italy. Spring cover. 1,540,730; June 2.
Defiance Sales Corporation. (See Weaver, Frank S., assignor.)
Degen, Irwin C., Chaska, Minn. Aeroplane propeller. 1,540,108; June 2.
Del Rio, Jorge E., Mexico, Mexico. Speed equalizer for gear-shift mechanism. 1,540,545; June 2.
De Mesquita, Julius B., New York, N. Y. Safety razor. 1,540,731; June 2.
Denver Rock Drill Manufacturing Company, The. (See Duncan, Kenneth O., assignor.)
Denver Rock Drill Manufacturing Company, The. (See Scheib, P. H., and Gustafson, assignors.)
Denver Rock Drill Manufacturing Company, The. (See Skaar, A. H., and Clark, assignors.)
Denver Rock Drill Manufacturing Company, The. (See Pearson, Gustav C., assignor.)
Derrick, George H. (See Dutton, C. S., and Derrick.)
De Smith, Henry, assignor to M. D. Knowlton Company, Rochester, N. Y. Safety operating mechanism. 1,540,517; June 2.
Desmoulins, Emile, Paris, France. Apparatus operated by multicylinder internal-combustion engines. 1,540,610; June 2.
Destombes, Antoine, Paris, France. Protracting scriber. 1,540,462; June 2.
Detaint, Edmond, Paris, France. Apparatus for raising liquids. 1,540,681; June 2.
Detrick, M. H., Company. (See Hosbein, Louis H., assignor.)
Devine, Thomas M., Cleveland Heights, Ohio. Automobile brake mechanism. 1,540,109; June 2.
Dickman, Edwin, Riverside, Calif. Folding top for motor vehicles. 1,539,995; June 2.
Dill and Collins Co. (See Quante, Otto, assignor.)
Diplock, William J. H., Croydon, assignor of one-half to Erith's Engineering Company, Limited, Kingsway, England. Underfeed mechanical stoker. 1,540,546; June 2.
Disco, Frank B., Norwich, Conn. Combustion tube. 1,540,611; June 2.
Dittmar, Elmer C., assignor to The Crooks-Dittmar Company, Williamsport, Pa. Finishing flooring. 1,540,110; June 2.
Doberstein, Edward J., Blue Island, assignor to Goodman Manufacturing Company, Chicago, Ill. Brake. 1,540,111; June 2.
Doe, Loring B., assignor to W. H. Metson, San Francisco, Calif. Draft means. 1,540,463; June 2.
Doehlert, Reinhold, jr., New York, N. Y. Marine paddle wheel. 1,540,257; June 2.
Doering, Charles. (See Hoffman, P. M., and Doering.)
Doering, Henry H. (See Hoffman, P. M., and Doering.)
Doering Manufacturing Company. (See Hoffman, P. M., and Doering, assignors.)
Doidge, John C., assignor to London Concrete Machinery Co., Ltd., London, Ontario, Canada. Mixing machine. 1,540,547; June 2.
Domestic Electric Company, The. (See Spielman, Milton H., assignor.)
D'Onofrio, Frank, Wilmington, Del. Shooting gallery. 1,540,166; June 2.
Douglas, Harry A., Bronson, Mich. Circuit-continuing device. 1,540,112; June 2.
Dourif, Henri, Huntington, W. Va. Stone-grinding mill. 1,540,258; June 2.

Dow Chemical Company, The. (See Barstow, E. O., and Best, assignors.)
Downer, George F., Cleveland, Ohio. Producing storage batteries. 1,540,548; June 2.
Doyle, James S. (See Hedley, F., and Doyle.)
Drake, Charles, Mannington, W. Va. Clamping element. 1,539,882; June 2.
Dravo Contracting Company, The. (See Dravo, Frank R., assignor.)
Dravo, Frank R., Sewickley, assignor to The Dravo Contracting Company, Pittsburgh, Pa. Driving gear for boats. 1,540,259; June 2.
Dreher, Chris S. (See Dreher, John R., C. S., and G. T.)
Dreher, Gus T. (See Dreher, John R., C. S., and G. T.)
Dreher, John R., C. S., and G. T., Ross, Iowa. Posthole auger. 1,540,682; June 2.
Drugan, Fredrich, New Haven, Conn. Suction flytrap. 1,540,518; June 2.
Dunajeff, Leonid A., New York, N. Y. Picture-transmitting apparatus. 1,540,318; June 2.
Duncan, Kenneth O., San Francisco, Calif., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Screen for rock drills. 1,540,167; June 2.
Du Pont, E. I., de Nemours & Company. (See Booge, James E., assignor.)
Du Pont, E. I., de Nemours & Company. (See Regestein, Walter P., assignor.)
Durinick, Henry R., New York, N. Y. Combined radio-cabinet and table lamp. Des. 67,446; June 2.
Durrin, Lewis E., San Juan Bautista, Calif. Automobile lubricating mechanism. 1,540,683; June 2.
Dutton, Charles S., San Francisco, and G. H. Derrick, Oakland, Calif. Electrically-operated stamping device. 1,540,168; June 2.
Dymond, William W., Carbondale, Kans. Rope-knife guide. 1,540,169; June 2.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone system. 1,540,061; June 2.
Dyson, Alfred H., Chicago, Ill., assignor, by mesne assignments, to Kellogg Switchboard & Supply Company. Telephone sytem. 1,540,062; June 2.
Eades, Rodger, Winchester, Ky. Liquid-dispensing apparatus. 1,540,684; June 2.
Eaneff, John T., P. Toleff and T. Taneff, Kenmore, Ohio. Bottle. Des. 67,447; June 2.
Earhart, William A., East Radford, Va. Adjustable harrow and drag. 1,540,540; June 2.
East, Ernest E., assignor to Automobile Club of Southern California, Los Angeles, Calif. Traffic-signal casing. Des. 67,448; June 2.
East, James V. T., Springfield, Mass., assignor to A. G. Spalding & Bros., New York, N. Y. Golf-club head. 1,540,550; June 2.
Eckman, Charles, Roselle Park, N. J. Stencil-operating machine. 1,540,207; June 2.
Edwards, Charles S., Prineville, Oreg. Pliers. 1,540,484; June 2.
Ehlig, Harry, Pearl River, assignor to George R. Swart & Company, Inc., New York, N. Y. Saddle-stitcher attachment. 1,540,519; June 2.
Elband, Ernest A., New Braunfels, Tex. Combination automobile cushion and pillow. 1,540,685; June 2.
Eickenhofer, Walter G. (See Brown, Jacob S., assignor.)
Eidlitz, Charles L., et al. (See Hartmann, Paul, assignor.)
Eisele, Henry, Decatur, Ill. Quartering device for locomotive wheels. 1,540,319; June 2.
Electrical Products Manufacturing Company. (See Cote, Omer E., assignor.)
Emde, Hermann, Berlin-Lankwitz, assignor to Chemische Fabrik auf Actien (vorm. E. Schering,) Berlin, Germany. Manufacturing hydroquinone. 1,540,738; June 2.
Ercanbrack, John E., assignor of one-third to G. F. Paul and one-third to R. N. Hartwick, Chicago, Ill. Heat-exchange unit. 1,540,208; June 2.
Erickson, John, assignor to Automatic Electric Company, Chicago, Ill. Switch hook for substation telephone instruments. 1,540,260; June 2.
Erith's Engineering Company, Limited. (See Diplock, W. J. H., assignor.)
Erlandson, Elder J. (See Callison, L. B., and Erlandson.)
Erving, Andrew V., Detroit, Mich. Bird-cage stand. Des. 67,449; June 2.
Eskestrand, John. (See Henrich, F., and Eskestrand.)
Eustace, Thomas F., Cleveland, Ohio. Windshield-glass-retaining clip. 1,540,113; June 2.
Evans, James E., Chicago, Ill. Device for reenforcing molds. 1,540,551; June 2.
Everett, Edward A., New York, N. Y., and F. B. Weigand, Cleveland, Ohio. Wire tag. 1,540,320; June 2.
Ey, Gustav, New York, N. Y. Building tile. 1,540,686; June 2.
Fahrenwald, Frank A., Cleveland Heights, Ohio. Conveyer rolls for furnace use. 1,539,883; June 2.
Fahys, Joseph, & Co. (See Gordon, Peter J., assignor.)
Faigin Manufacturing Company. (See Faigin, Meyer, assignor.)
Faigin, Meyer, Brooklyn, assignor to Faigin Manufacturing Company, Inc., New York, N. Y. Scarfpin or similar article. Des. 67,450; June 2.
Farbenfabriken vorm. Friedr. Bayer and Co. (See Clingestein, Heinrich, assignor.)
Farbwerke vorm. Meister Lucius & Bruning. (See Thiess, Karl, assignor.)
Farmer, Mike B., Pratt, Kans. Hand actuating means for foot pedals of motor vehicles. 1,540,261; June 2.
Farup, Peder, Vestre Aker, assignor to Titan Co. A/S., Fredrikstad, Norway. Recovering titanic oxid from titanium-nitrogen compounds. 1,539,996; June 2.
Faust, Elroy C. (See Speicher, D. R., and Faust.)
Feistel, Albert V., and J. W. Rocka, Brooklyn, N. Y. Drying mechanism for printed sheets. 1,540,687; June 2.
Feldhaus, Frederick F., and R. H. Noah, assignors to The Akron Rapatire Company, Akron, Ohio. Wrapping machine. 1,540,468; June 2.
Felton, Robert, New York, N. Y., assignor to J. E. Hartle, jr., Newark, N. J. Coin-controlled vending machine. 1,540,389; June 2.
Fenichel, Arthur, Oakland, Calif. Fireman's hat. 1,539,997; June 2.
Ferguson, John L., Joliet, assignor to The Quaker Oats Company, Chicago, Ill. Rotary shrinker. 1,540,321; June 2.
Ferrodesserbeuse Scheuchzer Societe Anonyme. (See Scheuchzer, Auguste, assignor.)
Fickes, David and M., Jeromesville, Ohio. Road drag or scraper. 1,540,688; June 2.
Fickes, Meri. (See Fickes, David and M.)
Fidelity Title and Trust Company, et al., administrators. (See Weaver, Frank S.)
Fierz, Hans E., Kilchberg, near Zurich, assignor to Society "Chemical Works," formerly Sandos, Basel, Switzerland. Manufacture of pure 1-nitro-2-methyl anthraquinone. 1,540,467; June 2.
Finch, Earnest, Akron, Ohio. Chimney cap. 1,540,466; June 2.
Fink, John J., Lodi, Calif. Inviable suspenders. 1,540,114; June 2.
Firestone Tire and Rubber Company, The. (See Myers, Carmon A., assignor.)
Firestone Tire and Rubber Company, The. (See Tuttle, J. C., and Bollinger, assignors.)
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Pencil clip. 1,540,115; June 2.
Fitzgerald, Edward M., Springfield, Mo. Rail end and head support. 1,540,468; June 2.
Fitzgerald Manufacturing Company, The. (See Weiss, Theobald C., assignor.)
Flexo Film and Chemical Co. (See Stackhouse, Thomas H., assignor.)
Flis, Stanislaw. (See Klimek, Kazimierz, assignor.)
Flory, Ernest, assignor to United States Cartridge Co., Lowell, Mass. Radiator and making same. 1,540,390; June 2.
Flournoy, Josiah. (See Treadwell, Albert P., assignor.)
Folsom, Rolfe A., Leonia, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Humidity-control apparatus. 1,540,322; June 2.
Foote-Burt Company. (See Randles, George E., assignor.)
Ford, Ernest L., Darlington, England. Ventilator for passenger vehicles. 1,539,998; June 2.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism. 1,540,063; June 2.
Foster, Charles E., Independence, Mo. Automatic chain-applying apparatus. 1,540,116; June 2.
Fowler, Clarence B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,540,064; June 2.
Fox, Maud C., Brooklyn, N. Y. Lamp clock. 1,540,552; June 2.
Fox, William F., assignor to Glengyle Corporation, New York, N. Y. Motion picture. 1,540,323; June 2.
Fradet, John F., and J. C. Alexanderson, Monango, N. Dak.; said Fradet assignor to said Alexanderson. Automobile brake. 1,540,689; June 2.
Franchimont, Eudore, and V. César, Ixelles, Belgium. Apparatus for the production of gas at high temperature and pressure. 1,539,988; June 2.
Franklin, Aleathia D., Daytona, Fla. Device for straightening hair. 1,539,898; June 2.
Frazier, Charles E., Dallas, Tex. Choke valve. 1,540,209; June 2.
Frick, Ralph J., Burlington, Iowa. Electrically-propelled toy automobile. 1,40,170; June 2.
Fried. Krupp Aktiengesellschaft. (See Happacher, Josef, assignor.)
Friedman, Meyer L. and P. L., New York, N. Y. Die for garment clasps. 1,540,690; June 2.
Friedman, Philip L. (See Friedman, Meyer L. and P. L.)
Frits, Lewis, Chicago, Ill. Baby carriage. 1,540,065; June 2.
Fruehauf, Harvey C. (See Schneider, C. L., and Fruehauf.)
Fruehauf Trailer Co. (See Schneider, C. L., and Fruehauf, assignors.)
Fry, Roy A., Omaha, Nebr. Railway-track instrument. 1,539,939; June 2.
Fuller, Elmer D., et al. (See Fuller, Garth C., assignor.)
Fuller, Garth C., assignor of one-third to E. D. Fuller, Douglaston, and one-third to N. H. Fuller, New York, N. Y. Game. 1,540,324; June 2.

Fuller, Judson M., Oak Park, assignor to The Harrington and King Perforating Co., Chicago, Ill. Perforated sheet. 1,540,325; June 2.

Fuller, Nathaniel H., et al. (See Fuller, Garth C., assignor.)

Fulton, Archie M. (See Altman, B., Fulton, and Breese.)

Furman, John W., Point Township, Northumberland County, Pa. Planting machine. 1,540,210; June 2.

Gaarz, Wilhelm, Berlin-Charlottenburg, Germany, assignor to Westinghouse Electric & Manufacturing Company, New York, N. Y. Safety system for alternating-current generators. 1,539,834; June 2.

Gaisman, Henry J. New York, N. Y. Humidor. 1,540,211; June 2.

Gannon, Joseph, Walton, N. Y. Folding cot and the like. 1,540,212; June 2.

Gaschke, George, assignor to American Platinum Works, Newark, N. J. Finger-ring blank. 1,539,940; June 2.

Gautier, Trevor R., assignor to Nashua Gummed & Coated Paper Company, Nashua, N. H. Strip-serving machine. 1,540,724; June 2.

Gelléri, Felice, administratrix. (See Gelléri, S., and Hambloch.)

Gelléri, Soma, deceased, by F. Gelléri, administratrix, Budapest, Hungary, and A. Hambloch, Andernach, Germany. Preparation of magnesium carbonates. 1,540,391; June 2.

General Electric Company. (See Bullock, Charles F., assignor.)

General Electric Company. (See Burnham, Locke H., assignor.)

General Electric Comany. (See Burrows, William R., assignor.)

General Electric Company. (See Hall, Chester I., assignor.)

General Electric Company. (See Merrill, Wilbur La., assignor.)

General Electric Company. (See Noble, Paul O., assignor.)

General Electric Company. (See Thompson, Harry C., assignor.)

General Electric Company. (See Unger, Magnus, assignor.)

General Shoe Machinery Company. (See Ballard, Harrie A., assignor.)

Gentry, Douglas B., assignor of one-half to E. P. Gentry, Crozet, Va. Packing for pumps. 1,539,941; June 2.

Gentry, Ernest P. (See Gentry, Douglas B., assignor.)

Georges, Frederick and P. P., New Britain, Conn. Automatic gate tender. 1,540,171; June 2.

Georges, Pius P. (See Georges, Frederick and P. P.)

Gernsback, Hugo, New York, N. Y. Radiocabinet. Des. 67,451; June 2.

Gernsback, Hugo, New York, N. Y. Radiocabinet. Des. 67,452; June 2.

Gibbs, Eugene U. (See Rees, Paul J., assignor.)

Gibbs, Walter A., Wilmington, Del. Animal trap. 1,540,691; June 2.

Giemsa, Gustav, Hamburg, assignor to C. F. Boehringer & Soehne G. m. b. H., Mannheim-Waldhof, Germany. Manufacture of bismuth tartrates. 1,540,117; June 2.

Gilbert & Barker Manufacturing Company. (See Davis, John B., assignor.)

Gill Glass Company. (See Comerford, James A., assignor.

Gillmor, Horatio G., Washington, D. C. Anticreeper. 1,540,612; June 2.

Gillmor, Horatio G., Washington, D. C. Rail anchor. 1,540,613; June 2.

Gillmor, Horatio G., Washington, D. C. Rail anchor. 1,540,614; June 2.

Gilpin, Garth G., Riverside, Ill., assignor to W. P. Murphy, Chicago, Ill. Release rigging. 1,539,990; June 2.

Ginter, Paul A. assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,453; June 2.

Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,454; June 2.

Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,455; June 2.

Ginter, Paul A., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,456; June 2.

Glaser, Albert B., Dayton, Ohio. Seat back. 1,540,725; June 2.

Glengyle Corporation. (See Fox, William F., assignor.)

Glove Corporation, The. (See Sturm, Frank X., assignor.)

Glowa, Anton, Hoboken, N. J. Reversible-angle handled brush. 1,540,326; June 2.

Glowacki, John B., Chicago, Ill. Cartridge fuse ferrule type for removable fuse elements. 1,540,000; June 2.

Glowacki, John B., Chicago, Ill. Cartridge fuse knife-blade type for removable fuse elements. 1,540,118; June 2.

Glowacki, John B., Chicago, Ill. Renewable fuse element. 1,540,119; June 2.

Goertz, August, & Co. (See Goertz, Frederick, assignor.)

Goertz, Frederick, Newark, N. J., assignor to August Goertz & Co. Lock. Des. 67,457; June 2.

Goldsmith, Byron B., New York, N. Y. Ink cartridge. 1,539,942; June 2.

Goodman Manufacturing Company. (See Doberstein, Edward J., assignor.)

Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,540,066; June 2.

Gordon, Peter J., Sag Harbor, assignor to Joseph Fahys & Co., New York, N. Y. Spoon or similar article. Des. 67,458; June 2.

Gordon, Peter J., Sag Harbor, assignor to Joseph Fahys & Co., New York, N. Y. Spoon or similar article. Des. 67,459; June 2.

Gould, F. D., Company. (See Gould, Frank D., assignor.)

Gould, Frank D., Oakland, assignor to F. D. Gould Company, San Francisco, Calif. Auto top. 1,540,262; June 2.

Gould Storage Battery Company. (See Chamberlain, Rufus N., assignor.)

Governor Fastener Company, The. (See Smith, Will F., assignor.)

Graham, Andrew W., Buffalo, N. Y. Combined cigarette and match case. 1,540,553; June 2.

Grant, Hught A., Malone, N. Y. Refrigerator. 1,540,001; June 2.

Grant, Hught A., Malone, N. Y. Milk-cooling pan. 1,540,002; June 2.

Great Western Manufacturing Company. (See Loun, Julius M., assignor.)

Green, Fred, Chicago, Ill. Gauge or tool. 1,539,835; June 2.

Green, Isaac C., Glasgow, Scotland, assignor of one-half to F. E. Rebbeck, Queen's Island, Belfast, Great Britain. Internal-combustion single-acting engine cylinder. 1,540,172; June 2.

Greenleaf, Robert P., Shaker Heights, assignor to F. Billings, Cleveland, Ohio. Loading machine. 1,540,327; June 2.

Gremore, Edgar H. (See Grimord, R. H., and Gremore.)

Greve, Edgar E., Bellevue, Pa. Pipe tongs. 1,539,948; June 2.

Griffith, Thomas R. (See Kelly, M. J., and Griffith.)

Griffiths, Richard T., assignor to The Miller Rubber Company, Akron, Ohio. Acid-proof container. 1,540,554; June 2.

Grimord, Roy H., and E. H. Gremore, Homestead, Wis. Traction-belt attachment for automobiles. 1,540,067; June 2.

Grondahl, Lars O., Pittsburgh, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,539,944; June 2.

Grow, Alstyne J., Hood River, Oreg. Fruit thinner. 1,540,392; June 2.

Grubman, L. J., Incorporated. (See Grubman, Leo J., assignor.)

Grubman, Leo J., New York, assignor to L. J. Grubman, Incorporated, Long Island City, N. Y. Eye mounting for dolls. 1,540,520; June 2.

Grubman, Leo J., Belle Harbor, assignor to L. J. Grubman, Incorporated, Long Island City, N. Y. Eye mounting for dolls. 1,540,521; June 2.

Grubman, Leo J., Belle Harbor, assignor to L. J. Grubman, Incorporated, Long Island City, N. Y. Eye mounting for dolls. 1,540,522; June 2.

Guertin, John N., South Weymouth, Mass. Chicken brooder. 1,539,899; June 2.

Guiberson Corporation. (See Crickmer, Charles S., assignor.)

Gulde, William C., St. Paul, Minn. Eyeshade. 1,540,615; June 2.

Gustafson, Hjalmer C. (See Scheib, P. H., and Gustafson.)

Guyot Bros. (See Boots, William, assignor.)

Haack, Karl F. O., Jersey City, N. J. Hutch for small animals. 1,540,393; June 2.

Haddock, Arthur, East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Contact terminal. 1,540,328; June 2.

Hagopian, Charles H., Springfield, Mass. Adjustable seat. 1,540,616; June 2.

Haines, Wayne L., Madelia, Minn. Clutch. 1,540,617; June 2.

Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermal-responsive manually-operable switch. 1,540,692; June 2.

Hall, Chester I., Fort Wayne, Ind., assignor to General Electric Company. Thermal-responsive device. 1,540,693; June 2.

Hall, Nora M. (See Hall, Orrie P. and N. M.)

Hall, Orrie P. and N. M., Louisville, Ky. Spoon holder. 1,540,394; June 2.

Haller, Lillie M., San Pedro, Calif. Detached garment band. 1,540,008; June 2.

Hambloch, Anton. (See Gelleri, S., and Hambloch.)

Hamilton, George E., Jacksonville, Fla. Lubricating system for internal-combustion engines. 1,540,618; June 2.

Hammeras, Oscar R., Los Angeles, Calif. Making motion pictures. 1,540,213; June 2.

Hammerle, Franklin T., Detroit, Mich. Sheet holder. 1,540,120; June 2.

Hammond, John H., jr., Gloucester, Mass. System of teledynamic control. 1,540,121; June 2.

Handelmaatschappij, H. Albert, De Bary & Co. (See Kollinek, Theodor, assignor.)

Handlan-Buck Manufacturing Company. (See Rolfes, George H., assignor.)

Hankinson, Oliver A., et al. (See Wiard, Robert G., assignor.)

Hannan, Michael J., Marietta, Ohio. Well-boring drill. 1,540,619; June 2.

Hanson, Eiben C. (See Hanson, Mons and E. C.)

Hanson, Haaken P., assignor to The Olson Manufacturing Co., Albert Lea, Minn. Cattle stanchion. 1,540,620; June 2.

Hanson, Mons and E. C., Los Angeles, Calif. Ant-poison receptacle. 1,540,621; June 2.

Happaeher, Josef, assignor to Fried. Krupp Aktiengesellschaft, Essen-on-the-Ruhr, Germany. Cinematographic apparatus. 1,540,329; June 2.

Hardee, Howard W., Independence, Mo. Predetermined bulk discharging cover. 1,540,122; June 2.

Harmata, Iiko, assignor of one-fifth to B. Waszkal, Wilkes-Barre, Pa. Cattle guard for railroad tracks. 1,540,469; June 2.

Harrington and King Perforating Co., The. (See Fuller, Judson M., assignor.)

Harris, Richard A. (See Martin, H. E., and Harris.)

Harris, Richard M., Dallas, Tex. Measuring and squaring device for sash and door clamping machines. 1,540,622; June 2.

Hartle, Jacob E., jr. (See Felton, Robert, assignor.)

Hartmann, Paul, Brooklyn, assignor of one-half to C. L. Eidlitz, New York, N. Y., and one-half to Metropolitan Electric Mfg. Co. Electrical receptacle. 1,540,330; June 2.

Hartmann Trunk Company. (See Rasmussen, Martin, assignor.)

Hartney, Harold E., Washington, D. C. Advertising display and night-landing signal for aircraft. 1,540,123; June 2.

Hartog, Stephen D., Belleville, Ill. Connecting rod. 1,540,523; June 2.

Hartwick, Ralph N., et al. (See Ercanbrack, John E., assignor.)

Harvey, Harry F., Prosper, Minn. Automatic tire pump. 1,539,900; June 2.

Harvey, Kelly B., New York, N. Y. Auto table and crane. 1,540,068; June 2.

Hashimoto, Kichinosuke, Tokyo, Japan. Floating shoe. 1,540,623; June 2.

Hassler, Samuel C. (See Holmes, C. W., and Hassler.)

Hasty, Otis B., Elgin, Ill. Footwear-reflecting device. 1,539,836; June 2.

Haupt, Emil H., New York, N. Y. Antiskidding device. 1,540,624; June 2.

Hawley, Eugene W., Philadelphia, Pa. Wardrobe trunk. 1,540,331; June 2.

Hayden, John F., Galion, Ohio. Mud hook. 1,540,470; June 2.

Hayes, Frank A., New York, N. Y. Variable-speed transmission mechanism. 1,540,124; June 2.

Hayes, Stephen Q., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer cooling system. 1,539,837; June 2.

Hayward, Darley C., Custer Township, Whatcom County, Wash. Riding attachment for walking plows. 1,540,625; June 2.

Hecker, Herman F., Oxboro, Minn. Panel for cedar chests and other articles. 1,539,945; June 2.

Hedley, Frank, Yonkers, and J. S. Doyle, Mount Vernon, N. Y. Doorlock mechanism for multiple-unit car-door-control systems. 1,539,838; June 2.

Heffner, George O., et al. (See Mayberry, John A., assignor.)

Heggem, Alfred G., Tulsa, Okla. Casing head. 1,540,263; June 2.

Hein, George N., San Francisco, Calif. Hypodermic syringe. 1,540,125; June 2.

Hein, George N., San Francisco, Calif. Piston construction. 1,540,126; June 2.

Heine Boiler Company. (See Cotton, Alfred, assignor.)

Heller, W. C., and Company, The. (See Sargent, Robert A., assignor.)

Hellmund, Harold E., Swissvale, Pa., assignor to Westinghouse Electric and Manufacturing Company. Induction-motor-control system. 1,539,839; June 2.

Hemp, Joseph L., St. Louis, Mo. Stovepipe. 1,540,471; June 2.

Hengstenberg, Paul M., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer. 1,539,840; June 2.

Henke, Clyde O. (See Brown, O. W., and Henke.)

Hennes, Frank, Bethlehem, Pa. Sausage-filling machine. 1,539,901; June 2.

Henrich, Frank, and J. Eskestrand, Bengough, Saskatchewan, Canada. Compound rail. 1,540,332; June 2.

Henry, Edward E., Vanceboro, Me. Clamp or vise. 1,540,333; June 2.

Henry, Guy P., Detroit, Mich., assignor to Studebaker Corporation. Speedometer-driving mechanism. 1,540,395; June 2.

Henry, Kenneth M., assignor to Illinois-Pacific Glass Company, San Francisco, Calif. Annealing glass. 1,540,264; June 2.

Herrick, Josephine P., Cleveland, Ohio. Tongs. 1,540,694; June 2.

Heuer, Alvin G., and F. T., Bureau Township, Bureau County, Ill. Steering mechanism for trailers. 1,540,472; June 2.

Heuer, Fred T. (See Heuer, Alvin G. and F. T.)

Heymann, Alfred T., Hamburg, Germany. Extension table. 1,540,127; June 2.

Hickel, Samuel, Charleston, W. Va. Shoe form. 1,540,334; June 2.

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag fastener and making same. 1,540,004; June 2.

Hiering, William C., assignor to J. E. Mergott Co., Newark, N. J. Bag-frame fastener. 1,540,005; June 2.

Higgins, Lucien M., Carpinteria, Calif. Vaporizer. 1,540,626; June 2.

Hight, George F., and T. W. Brown, Auckland, New Zealand. Stop for sliding window sashes and the like. 1,540,475; June 2.

Hitchcock, Alfred H., Mittineague, Mass. Measuring-instrument attachment. 1,540,473; June 2.

Hitchcock, Forrest L., assignor to The Marietta Manufacturing Company, Indianapolis, Ind. Grinding and smoothing machine for glassware. 1,540,474; June 2.

Hobe, William W., New York, N. Y. Button. Des. 67,460; June 2.

Hobe, William W., New York, N. Y. Button. Des. 67,461; June 2.

Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Fitchburg, Mass. Humidifier. 1,540,335; June 2.

Hodson, Frank S., Philadelphia, Pa. Metallic alloy. 1,540,006; June 2.

Hoe, R., and Co. (See Sheldon, Edward P., assignor.)

Hoffman, Peter M., Des Plaines, C. Doering and H. H. Doering, Chicago, assignors to Doering Manufacturing Company, Chicago, Ill. Lamp. 1,540,476; June 2.

Hoke, John I., and L. I., South Bend, Ind. Agricultural implement. 1,540,477; June 2.

Hoke, Lynn I. (See Hoke, J. I. and L. I.)

Holdsworth, Willis, Providence, R. I. Gill screw. 1,540,396; June 2.

Holmes, Charles W., and S. C. Hassler, Liberty, Mo. Spectacle bridge rest. 1,540,627; June 2.

Holy, George H. P., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric locomotive. 1,539,841; June 2.

Homeyer, Charles W., Cleveland, Ohio, Reflector heater. 1,540,607; June 2.

Honaman, Richard K., Bloomfield, N. J., assignor to American Telephone & Telegraph Company. Carrier transmission over power circuits. 1,539,902; June 2.

Hood Rubber Company. (See Wydom, H. H., and Perrault, assignors.)

Hopkins, Charles L., River Forest, assignor, to Benjamin Electric Manufacturing Company, Chicago, Ill. Electrical connecter. 1,540,008; June 2.

Hosbein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Furnace construction. 1,540,069; June 2.

Hosbein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Furnace-arch construction. 1,540,070; June 2.

Hothersall, John M., Brooklyn, assignor to American Can Company, New York, N. Y. Can-cap-lining apparatus. 1,540,009; June 2.

Hoting, Hans C., Nesse, Germany, assignor to Troy Laundry Machinery Co., Ltd., Chicago, Ill. Steaming attachment for pressing machines. 1,540,071; June 2.

Houdry, Eugene, assignor to Manufacture Générale de Ressorts, Paris, France. Laminated suspension spring for automobiles and other vehicles. 1,540,734; June 2.

Houston, Ross, Tacoma, Wash. Composite unit for flooring and the like and making same. 1,540,128; June 2.

Houston, Thomas W., Kansas City, Mo. Window guard. 1,540,129; June 2.

Howard, John G., London, England. Oar. 1,540,695; June 2.

Howe, Charles H. R., Pittsburgh, Pa. Machine for forming glass articles. 1,539,842; June 2.

Howerton, Jeter F., Grand Rapids, Mich. Nonskid chains. 1,540,130; June 2.

Howes, Irving C., assignor to Davis & Furber Machine Company, North Andover, Mass. Self-aligning bearing. 1,540,072; June 2.

Hudson, Harvard F., Wichita, Kans. Flush valve. 1,540,214; June 2.

Hugo Manufacturing Company. (See Hugo, R. T., and Klinert, assignors.)

Hugo Manufacturing Company. (See Klinert, Fred G., assignor.)

Hugo, Rene T., and F. G. Klinert, Duluth, Minn., assignors to Hugo Manufacturing Company, West Duluth, Minn. Portable stove. 1,540,073; June 2.

Hume, John T., assignor to Hurley Machine Company, Chicago, Ill. Vacuum cleaner. 1,539,843; June 2.

Hunkins, William S., Los Angeles, Calif. Pin tube. 1,540,397; June 2.

Hunnings, Sidney J., Urana, New South Wales, Australia. Plow. 1,540,732; June 2.

Hunter, Edgar K., and J. R. C. August, London, England. Mechanism for setting or displacing a tool or other device by a predetermined amount. 1,540,741; June 2.

Hunter, Joseph H., Detroit, Mich. Preventing accidents with rolling mills. 1,540,010; June 2.

Hurley Machine Company. (See Hume, John T., assignor.)

Hurley, William H., assignor of one-half to J. M. Keane, New Haven, Conn. Knife handle. 1,540,074; June 2.
Hurxthal, Alpheus O. (See Hurxthal, Frederick E. and A. O.)
Hurxthal, Frederick E., Salem, Ohio, and A. O. Hurxthal, Philadelphia, Pa. Automatic temperature control for bread toasters. 1,540,628; June 2.
Hussarik, Joe, Cleveland, Ohio. Spark arrester. 1,540,629; June 2.
Hutchings, Frederick E., Brooklyn, assignor to Hutchings Manufacturing Co., Inc., New York, N. Y. Automobile bumper. 1,540,011; June 2.
Hutchings Manufacturing Co. (See Hutchings, Frederick E., assignor.)
Hutchinson, Frank S., Flushing, assignor to Plastue Mfg. Corporation, Syracuse, N. Y. Plaster support for walls. 1,539,844; June 2.
Hutsell Motor Company. (See Hutsell, Thomas A., assignor.)
Hutsell, Thomas A., assignor to Hutsell Motor Company, Spokane, Wash. Internal-combustion engine. 1,540,075; June 2.
Huyett, Daniel D., assignor to Atlas Powder Company, Wilmington, Del. Paper-shell machine. 1,540,336; June 2.
Ice cream Cone Machinery, Inc. (See Potasian, Harry G., assignor.)
Ilgenfritz, Lester M., Orange, N. J., assignor to American Telephone and Telegraph Company. Elimination of interference in carrier systems. 1,539,903; June 2.
Illinois-Pacific Glass Company. (See Henry, Kenneth M., assignor.)
Innis, Robert J., Ionia, Mich., assignor to E. H. Stafford Mfg. Co., Chicago, Ill. Folding chair. 1,540,337; June 2.
International Earth-Boring Machine Corporation. (See Moore, William E., assignor.)
Irvin, Joseph R. (See St. Clair, R. W., and Irvin.)
Isley, George H., assignor to Morgan Construction Company, Worcester, Mass. Control of reversing apparatus for heating furnaces. 1,540,076; June 2.
Ivers-Lee Company. (See Macdonald, Charles H., assignor.)
Jackson, Albert C., Dayton, Ohio. Combination merchandise and advertising display stand. Des. 67,462; June 2.
Jackson, Newton, Newport, R. I. Wire clamp. 1,540,398; June 2.
Jackson Reinforced Concrete Pipe Co. (See Roberts, Lud, assignor.)
Jacques, George W., Stratford, Conn., assignor, by mesne assignments, to United Shoe Machinery Corporation, Paterson, N. J. Driving mechanism. 1,539,904; June 2.
Janney, Nannie H. (See Janney, Robert E. L., assignor.)
Janney, Robert E. L., deceased, Chicago, Ill.; G. L. Boothe, executor, assignor to N. H. Janney, Alexandria, Va. Draft connection for car couplings. 1,539,845; June 2.
Jansson, John O., assignor to Keuffel and Esser Company, Hoboken, N. J. Optical-instrument drier. 1,539,846; June 2.
Jannary, Garnett, Washington, D. C. Combined table and lamp standard. 1,540,012; June 2.
Jefferson, Benjamin H., and B. H. Wand, assignors, by mesne assignments, to Lyon & Healy, Inc., Chicago, Ill. Combined piano and practice instrument. 1,540,739; June 2.
Jenkins, George H., Salmon Arm, British Columbia, Canada. Stump puller. 1,540,013; June 2.
Jenks, Charles, and C. E. Nelson, Darlington, Wis. Hoisting device. 1,540,630; June 2.
Johannesmeyer, Charles G., Glendale, and A. R. McCann, assignors to The Liberty Machine Tool Company, Hamilton, Ohio. Guideway. 1,540,131; June 2.
Johannesmeyer, Charles C., Glendale, and A. R. McCann, assignors to The Liberty Machine Tool Company, Hamilton, Ohio. Table clamp. 1,540,132; June 2.
Johnson, Alfred E., Denver, Colo. Controller for hoisting engines. 1,540,631; June 2.
Johnson, Charles B., Paterson, N. J. Machine for sizing warps. 1,540,265; June 2.
Johnson, Henry G., assignor to Summit Thread Company, East Hampton, Conn. Sewing-machine shuttle. 1,540,338; June 2.
Johnson, Sigfrid W., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,463; Jan. 2.
Johnson, Sigfrid W., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,464; June 2.
Johnson, Sigfrid W., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,465; June 2.
Jones, Della U. (See Simmons, John E., assignor.)
Jones, Earnest, et al. (See Ormsbee, George F., assignor.)
Jones, George C., Grand Concourse, N. Y. Fastener. 1,540,339; June 2.
Jones, John W., Clifford, Ill. Car-uncoupling device. 1,540,555; June 2.
Jones, Robert W., Wilkes-Barre, Pa. Photographic printing. 1,540,399; June 2.
Jones, Thomas. (See Spencer, F. L., and Jones.)
Jörgensen, Olav E., New York, N. Y. Power-transmitting device. 1,540,014; June 2.
Joseph, Lew. (See Zerilli, Marius, assignor.)
Kadel, Byers W., Baltimore, Md., assignor, by mesne assignments, to The Symington Company. Draft rigging. Re16,090; June 2.
Karl, Heinrich, Jersey City, N. J. Automatic register and controller for trains. 1,540,696; June 2.
Karlson, Gustav V., Elizabeth, N. J., assignor to Chillingworth Engineering Corporation, New York, N. Y. Gas-flame protector for flashers. 1,540,015; June 2.
Katz, Martin, Brooklyn, N. Y. Mounting of store windows. 1,540,016; June 2.
Kaufmann, Albert, Berlin, Germany. Die-casting machine. 1,539,905; June 2.
Keane, James M. (See Hurley, William H., assignor.)
Keenan, Thomas, Brooklyn, N. Y. Piston. 1,540,478; June 2.
Keeran, Charles R., and J. P. Lynn, assignors to Realite Pencil Manufacturing Company, Chicago, Ill. Pencil. 1,540,018; June 2.
Keith, William J., Cranston, R. I., assignor to Motor Radiator Corporation of America, Boston, Mass. Radiator core. 1,540,479; June 2.
Kellan, Edward L., Chicago, Ill. Flush-valve device. 1,540,400; June 2.
Kelley, John F., Tuscaloosa, Ala. Ice can. 1,540,632; June 2.
Kellogg Switchboard & Supply Company. (See Dyson, Alfred H., assignor.)
Kellogg Switchboard and Supply Company. (See Reinke, Arthur E., assignor.)
Kelly, Mervin J., New York, N. Y., and T. R. Griffith, Dover, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Vacuum oven. 1,540,401; June 2.
Kelvinator Corporation. (See Spreen, Charles C., assignor.)
Kempton, Willard H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Switchboard structure. 1,539,847; June 2.
Kendall, Allen B., Maywood, Ill., assignor to Regan Safety Devices Company, Inc. Diaphragm reservoir and brake valve. 1,540,017; June 2.
Kendrick & Davis Co. (See Williams, Lester J., assignor.)
Kent, Reginald W. (See Cheek, J. E., and Kent.)
Kenworthy, Charles F., assignor to Charles F. Kenworthy, Incorporated, Waterbury, Conn. Furnace. 1,539,848; June 2.
Kenworthy, Charles F., Incorporated. (See Kenworthy, Charles F., assignor.)
Kershaw, Arthur G., and F. J. Raymer, London, England, assignors, by mesne assignments, to The Union Switch & Signal Company, Swissvale, Pa. Axle counter for mining and other vehicles. 1,540,019; June 2.
Kesses, Charles, New York, N. Y. Photo-enlarging machine. 1,540,340; June 2.
Keuffel and Esser Company. (See Jansson, John O., assignor.)
Kinne, Harry L., Oak Park, Ill. Sock or half hose. 1,540,020; June 2.
Kinsolving, Otie C., Nashville, Tenn. Oil burner. 1,540,633; June 2.
Kirby, James B., Cleveland, Ohio. Shock absorber. 1,540,341; June 2.
Kirchhoff, Dick F., Athol, Kans. Tractor attachment. 1,540,634; June 2.
Kirkpatrick, George W., and J. A. Caldwell, Rochester, N. Y. Combination receptacle and table for vehicles. 1,540,133; June 2.
Kirn, William, Solomon, Kans. Door-sash latch. 1,540,134; June 2.
Klasing, Augustus F., Chicago, Ill., assignor to The Klasing Car Brake Company. Apparatus for manipulating railway-car brakes. 1,540,402; June 2.
Klasing Car Brake Company, The. (See Klasing, Augustus F., assignor.
Klein, Mabel, St. Louis, Mo. Receptacle inclosure. Des. 67,484; June 2.
Kleinohle, August, New Orleans, La. Toy boat. 1,539,906; June 2.
Kleinsteuber, Hugo A. (See Kleinsteuber, Oscar D., assignor.)
Kleinsteuber, Oscar D., assignor of forty one-hundredths to H. A. Kleinsteuber, Milwaukee, Wis. Municipal service post. 1,540,403; June 2.
Klett Manufacturing Company, Inc. (See Klett, Robert E., assignor.)
Klett, Robert E., Ridgewood Park, N. J., assignor to Klett Manufacturing Company, Inc., New York, N. Y. Syringe. 1,540,215; June 2.
Klimek, Kasimiers, assignor of one-half to S. Flis, Gowanda, N. Y. Picture frame. Des. 67,466; June 2.
Klinert, Fred G. (See Hugo, E. T., and Klinert.)
Klinert, Fred G., Duluth, Minn., assignor to Hugo Manufacturing Company, West Duluth, Minn. Portable camp stove. 1,540,077; June 2.
Klinkhammer, Joseph, assignor of one-half to G. A. Bethke, Hopkins, Minn. Truck hoist. 1,540,135; June 2.
Kneass, Strickland L., assignor to William Sellers & Company, Incorporated, Philadelphia, Pa. Check-valve mechanism. 1,540,216; June 2.
Knight, Albert B., Fairmont, W. Va. Conveyer. 1,540,021; June 2.

Kniskern, Floyd B. (See Peterson, A. J. A., and Kniskern.)
Knowlton, M. D., Company. (See De Smith, Henry, assignor.)
Knutson, Alfred W., Peoria, assignor to G. G. Bayne, Bushnell, Ill. Gate and attachment for same. 1,539,849; June 2.
Kobler-Stauder, Victor, Zurich, Switzerland. Line indicator for typewriting machines. 1,540,342; June 2.
Koehnline, Irvin J., Bridgeport, Ohio. Annealing. 1,540,022; June 2.
Kohl, Albert, Pleasanton, Kans. Power-transmitting attachment for motor vehicles. 1,540,404; June 2.
Kohl, Stanley E., Santa Rosa, Calif. Toboggan. 1,540,635; June 2.
Kohler, Ernest, Alameda, Calif. Game. 1,540,343; June 2.
Kohn, Koby, assignor to O. Schwarskopf, New York, N. Y. Repeating cap pistol. 1,540,344; June 2.
Kollinek, Theodor, Berlin, Germany, assignor to Handelmaatschappij H. Albert De Bary & Co., Amsterdam, Netherlands. Air-operated sounding horn. 1,540,023; June 2.
Kops Bros., Inc. (See Kops, Waldemar, assignor.)
Kops, Waldemar, New York, N. Y., assignor to Kops Bros., Inc. Elastic webbing. 1,540,480; June 2.
Kostenbauder, Frank J., Philadelphia, Pa. Bracket. 1,539,850; June 2.
Kovačević, Stevan, Pittsburgh, Pa. Zinc-retort cleaner. 1,540,636; June 2.
Kowasik, Frank, Hiawatha, Utah. Miner's cap. 1,540,345; June 2.
Krag, Harry W., assignor to American Shoe Machinery & Tool Company, St. Louis, Mo. Shaft connection. 1,540,481; June 2.
Krants, Hubert K., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Snap switch. 1,539,851; June 2.
Kratzel, Stephen J., Northampton, Pa. Tree-branch holder. 1,540,637; June 2.
Kroff, Leonard D., Sterling, Ill. Automobile license-plate-attaching device. 1,540,735; June 2.
Kromer, George J., Milwaukee, Wis. Cap. 1,540,405; June 2.
Kruesheld, Henry, Newark, N. J. Pipe reamer. 1,540,697; June 2.
Kuns, Charles A., assignor to Charles A. Kuns Company, Dubuque, Iowa. Dust collector. 1,540,346; June 2.
Kuns, Charles A., Company. (See Kuns, Charles A., assignor.)
Lasge, Catherine S., St. Louis, Mo. Making a braided tie. 1,540,136; June 2.
Lahey, Frank, et al. (See Willis, Glenn H., assignor.)
Lake, Thomas E., et al. (See Rogers, John, assignor.)
Landaal, Henry N., Horicon, Wis. Adjustable frame. 1,540,482; June 2.
Lang, Edward M., jr., 3d, Portland, Me. Food-preserving can. 1,540,406; June 2.
Lang, Richard, Wurttemberg, Germany, assignor to American Voith Contact Company, Inc., New York, N. Y. Wood grinder. 1,540,483; June 2.
Langbein, Harold W., Los Angeles, Calif. Automobile brake. 1,540,266; June 2.
Langslow-Fowler Company. (See Thum, Martin, assignor.)
Langston, James F., Los Angeles, Calif. Flushing valve. 1,540,267; June 2.
Larsen, Lawrence M., Chicago, Ill. Humidor. 1,540,484; June 2.
Larsen, Mads M., Colton, Calif. Collapsible cabinet. 1,540,024; June 2.
La Rue, William D., Philadelphia, Pa., assignor to Victor Talking Machine Company. Stop mechanism for talking machines. 1,540,407; June 2.
Laska, August L., and A. Zitscher, Offenbach-on-the-Main, assignors to Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Triazo dye. 1,540,485; June 2.
Laughter, Charles P., Luling, Tex. Pump jack. 1,540,638; June 2.
Laurie, William K., Albany, N. Y. Card holder. 1,540,556; June 2.
Lausen, Christian A., Council Bluffs, Iowa. Furnace. 1,540,217; June 2.
Lautenschlager, William F., Cincinnati, Ohio. Removable jacket for spark-plug electrodes. 1,540,187; June 2.
Leece, Bennett M., assignor to The Leece-Neville Company, Cleveland, Ohio. Voltage regulation for generators. 1,540,698; June 2.
Leece-Neville Company, The. (See Leece, Bennett M., assignor.)
Lehmaier Schwartz & Co. (See Conley, E. J., and Mullen, assignors.)
Lehr, Edwin E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,539,852; June 2.
Lemay, Simeon J., Lowell, Mass. Christmas-tree holder. 1,540,025; June 2.
Lenga, Francis X., Cleveland, Ohio. Crutch. 1,540,486; June 2.
Lentz, John A., Phoenix, Ariz. Incisal guide. 1,540,639; June 2.
Lewis, Albert, Boothbay Harbor, Me. Buckeaw frame. 1,540,026; June 2.
Lewis, Charles W., Nashville, Tenn. Radiator cover. 1,540,347; June 2.
Lewis, Edwin G., Basingstoke, England. Trap or snare for animals. 1,540,640; June 2.
Lewis, Harry A. (See Wood, Alan D., assignor.)
Liberty Machine Tool Company, The. (See Johannesmeyer, C. G., and McCann, assignors.)
Library Bureau. (See Ohnstrand, Enoch, assignor.)
Liedtke, Louis C. (See Rispel, A., and Liedtke.)
Lindsay Light Company. (See Ryan, Lonnie W., assignor.)
Lionel Corporation, The. (See Caruso, Mario, assignor.)
Littlefield, George E., assignor to American Roll Gold Leaf Company, Providence, R. I. Machine for applying metallic leaf. 1,539,853; June 2.
Lockhart, Frances W., deceased, Osage County, Okla.; M. Lockhart, administratrix. Derrick leg. 1,540,641; June 2.
Lockhart, Minnie, administratrix. (See Lockhart, Frances W.)
Loesser, Ernest W., Newark, N. J. Vanity case. 1,540,348; June 2.
Loesser, Ernest W., Newark, N. J. Vanity case. 1,540,349; June 2.
Logan, William H. (See Parker, Charles A., assignor.)
London Concrete Machinery Co. (See Doidge, John C., assignor.)
Long, William R., St. Louis, Mo. Sharpener. 1,540,078; June 2.
Long, William T., Puyallup, assignor to J. F. Reed, Seattle, Wash. Wrench. 1,540,642; June 2.
Longenecker, Donald D., Topeka, Kans. Golf-practice apparatus. 1,540,350; June 2.
Lonn, Julius M., assignor to Great Western Manufacturing Company, Laporte, Ind. Cycle crank-hanger bracket. 1,540,408; June 2.
Loose Seat Valve Company. (See Wilson, Wylie G., assignor.)
Lorens, C., Aktiengesellschaft. (See Pungs, Leo, assignor.)
Lorenz, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper hat. 1,539,946; June 2.
Lorenz, William A., assignor, by mesne assignments, to The Otaka Paper Company, Hartford, Conn. Paper washcloth. 1,540,268; June 2.
Lovell, James. (See Pehlman, E. A., and Lovell.)
Luce, Horace R. (See Dawson, G. K., and Luce.)
Luchsinger, Emil, Berlin, Germany, assignor to N. V. Instituut voor Aero-en hydrodynamiek, Amsterdam, Netherlands. Steering arrangement. 1,540,079; June 2.
Lukens, William L., Bethlehem, Pa., assignor to Bethlehem Steel Company. Fuse for projectiles. 1,539,947; June 2.
Lundgren, Jacob, assignor to Tinius Olsen Testing Machine Company, Philadelphia, Pa. Balance-testing machine. 1,540,643; June 2.
Lyding, Edwin, assignor to Montauk Metallic Bed Co., Inc., Brooklyn, N. Y. Crib. 1,540,487; June 2.
Lynn, John P. (See Keeran, C. R., and Lynn.)
Lyon & Healy, Inc. (See Jefferson, B. H., and Wand, assignors.)
Lytton, Edward, London, England. Friction clutch. 1,540,173; June 2.
Maatschappij Van Berkels Patent. (See White, John B., assignor.)
Macbeth, Albert C., assignor of one-half to C. T. Orange, Seattle, Wash. Motion-picture machine. 1,540,352; June 2.
Macdonald, Charles H., Montclair, assignor, by mesne assignments, to Ivers-Lee Company, Newark, N. J. Package. 1,539,854; June 2.
MacInnes, Robert H., Hamilton, Ontario, Canada, assignor to D. Moore Company, Limited, Hamilton, Canada. Hinged oven electric burner. 1,539,949; June 2.
Macomb Manufacturing Company. (See Brainard, Pearl H., assignor.)
Maeda, Rinsai, Seattle, Wash. Tobacco pipe. 1,540,028; June 28.
Magrath, Arthur C., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Line bar for crossbar line switches. 1,540,080; June 2.
Malherbe, Emil A., Philadelphia, Pa. Housing for motor attachment for measuring pumps. Des. 67,467. June 2.
Mallett, Charles S., Toronto, Ontario, Canada. Cluster rings. 1,540,174; June 2.
Malon, Katheryne P., assignor of one-half to J. B. Berrigan, Chicago, Ill. Press. 1,540,353; June 2.
Malone, Edward P. (See Outhier, L. T., and Malone.)
Maloney, William T., Olean, N. Y. Refining mineral oils. 1,540,218; June 2.
Mamaux, Leon C., Wilkinsburg, Pa. Chain holder and applier. 1,540,644; June 2.
Mandalian, Sahatiel G., North Attleboro, Mass. Ornamenting coat-of-mail mesh fabrics. 1,539,855; June 2.
Mandel, Alexander S., New York, N. Y. Coin-controlled operating mechanism. 1,540,175; June 2.
Manischewitz, B., Company, The. (See Manischewitz, Jacob U., assignor.)
Manischewitz, Jacob U., assignor to The B. Manischewitz Company, Cincinnati, Ohio. Apparatus for dating articles of manufacture. 1,540,081; June 2.

Manufacture Générale de Ressorts. (See Houdry, Eugène, assignor.)
Marietta Manufacturing Company, The. See Hitchcock, Forrest L., assignor.)
Marks, Alfred, Brooklyn, N. Y. Closure fastener. 1,540,029; June 2.
Marsh, Frank P., New Haven, Conn. Condenser. 1,540,176; June 2.
Marten Corporation Limited, The. (See Marten, Thomas H., assignor.)
Marten, Thomas H., assignor to The Marten Corporation, Limited, Toronto, Ontario, Canada. Motion-picture projection and apparatus therefor. Re16,091; June 2.
Martin, Earl L., Miami, Fla. Casement-window holder. 1,539,856; June 2.
Martin, Herbert A., St. Louis, Mo. Device for cleaning walls and ceilings. 1,539,857; June 2.
Martin, Horace E., and R. A. Harris, Peterborough, England. Machine for shaping and cutting toffee, candy, or like sweetmeat. 1,540,410; June 2.
Martin, Jess, et al. (See Ormsbee, George F., assignor.)
Marvel Carburetor Company. (See Redmond, Albert G., assignor.)
Mas, George, N., assignor to H. F. Vaughan, Washington, D. C. Bottle. Des. 67,468; June 2.
Maschinenfabrik Moenus A.-G. (See Bohacek, Bruno P., assignor.)
Massicotte, Joseph, Waterbury, Conn. Auto alarm. 1,540,177; June 2.
Mataloni, Joseph, Mason City, Iowa. Padlock. 1,540,488; June 2.
Mathers, Frank C., Bloomington, Ind. Electrolyte for electroplating metal with tin. 1,540,354; June 2.
Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube-testing device. 1,540,355; June 2.
Matsumoto, Toranosuke, Osaka, Japan. Stove. 1,540,411; June 2.
Mattatuck Manufacturing Company, The. (See Saunders, William M., assignor.)
Matteson, George F., Rocky Hill, Conn., assignor, by mesne assignments, to Thomson-National Press Company, Inc., Long Island City, N. Y. Roller carriage. 1,540,356; June 2.
Matteson, George F., Rocky Hill, Conn., assignor, by mesne assignments, to Thomson-National Press Company, Inc., Long Island City, N. Y. Ink fountain. 1,540,357; June 2.
Maurer, William C., New London, Conn. Detachable handle for utensils. 1,540,358; June 2.
May, George, assignor of one-half to E. Schmidt, San Francisco, Calif. Making boiler tubing. 1,540,270; June 2.
Mayberry, James T., et al. (See Mayberry, John A., assignor.)
Mayberry, John A., Bell, assignor of one-fifth to T. A. Mayberry, one-fifth to J. T. Mayberry, one-fifth to G. O. Heffner, and one-fifth to W. B. Alderson, Huntington Park, Calif. Crown mold. 1,540,412; June 2.
Mayberry, Thomas A., et al. (See Mayberry, John A., assignor.)
Mayer, Christ, Salamanca, N. Y. Tricycle. 1,540,271; June 2.
McCann, Alfred R. (See Johannesmayer, C. G., and McCann.)
McConway & Torley Company, The. (See Regan, William J., assignor.)
McCray, Richard E., Fairmont, W. Va. Dental mirror. 1,540,409; June 2.
McFall, Robert J., Amherst, Mass. Leather-measuring machine. 1,540,351; June 2.
McGill, John P., Quantico, Va. Attachment for tents. 1,539,907; June 2.
McGregor, Alexander G., Warren, Ariz. Driving system for roll crushing machines. 1,539,948; June 2.
McLoughlin, John J., Philadelphia, Pa. Nether garment. 1,540,557; June 2.
McMullen, Leo G., Baltimore, Md. Reaming machine. 1,540,690; June 2.
McNally, Thomas, assignor to The Central Steel Company, Massillon, Ohio. Ingot mold. 1,540,269; June 2.
McQueen, Ulysses G., New York, N. Y. Door hanger. 1,540,027; June 2.
McWane, Charles W., Lynchburg, Va. Making cast-iron pipes. 1,540,700; June 2.
Meacham, Ernest A., Oakland, assignor, by mesne assignments, to California Packing Corporation, San Francisco, Calif. Fruit-pitting machine. 1,540,138; June 2.
Meikle, Maurice C., assignor of one-half to W. Washington, New Orleans, La. Sugar refiner and scraper or unloader therefor. 1,540,645; June 2.
Meltzer, Hyman, Brooklyn, N. Y. Clasp device. 1,540,489; June 2.
Mergott, J. B., Co. (See Hiering, William C., assignor.)
Merrill, Frank W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Centrifugal speed regulator. 1,540,272; June 2.
Merrill, Joseph M., Montclair, N. J. Perfume dispenser. 1,540,082; June 2.
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Making steel rails. 1,540,559; June 2.
Merrimac Chemical Company. (See Pratt, L. A., and Clarke, assignors.)
Merrimac Chemical Company. (See Smith, John T., assignor.)
Mertel, Henry P., West Hoboken, N. J., assignor to Summit Brass & Bronze Works, Inc. Gate mounting. 1,540,490; June 2.
Messer, V. V., Manufacturing Company, et al. (See Willis, Glenn H., assignor.)
Mestars, Robert, assignor of one-half to C. Contreras, Los Angeles, Calif. Safety hook. 1,540,080; June 2.
Metropolitan Electric Mfg. Co., et al. (See Hartmann, Paul, assignor.)
Metson, William H. (See Doe, Loring B., assignor.)
Miller, Arthur A., Selinsgrove, Pa. Paper-supply holder for typewriters. 1,540,359; June 2.
Miller, Jesse W., Red Wing, Minn. Heel-tread pad for horseshoes. 1,540,701; June 2.
Miller Rubber Company, The. (See Griffiths, Richard T., assignor.)
Miller Rubber Company, The. (See Warner, Raymond M., assignor.)
Miller, Walter R., Mansfield, Ohio. Mail-sack tag holder. 1,540,273; June 2.
Millers Falls Company. (See Squire, Raymond S., assignor.)
Millikin, Joseph P., Hasbrouck Heights, assignor to Bellman Brook Bleachery Company, Fairview, N. J. Desizing and cleansing fabrics. 1,540,491; June 2.
Milner, Pleasant, Crowley, La. Tractor attachment. 1,540,413; June 2.
Moegling, Bruno, assignor to the Firm of Auerlicht Gesellschaft m. b. H., Kommanditgesellschaft, Berlin, Germany. Electrical cooking apparatus. 1,540,178; June 2.
Moll Manufacturing Company. (See Campbell, Carleton W., assignor.)
Montauk Metallic Bed Co. (See Lyding, Edwin, assignor.)
Montupet, Leon, Paris, France. Wheel for automobiles or other vehicles. 1,540,414; June 2.
Mooney, Philip J., Minneapolis, Minn. Water heater. 1,540,360; June 2.
Moore, Arlington, Boston, Mass. Paper container. 1,540,726; June 2.
Moore, D., Company, Limited. (See MacInnes, Robert H., assignor.)
Moore, William E., Chicago, Ill., assignor, by mesne assignments, to International Earth-Boring Machine Corporation. Earth-boring machine. 1,539,908; June 2.
Moore, William J., Washington, D. C. Nasal inhaler. 1,540,274; June 2.
Morelli, Enrico, Cincinnati, Ohio. Stuccoing and plastering machine. 1,540,415; June 2.
Morgan Construction Company. (See Isley, George H., assignor.)
Morison, Donald B., Hartlepool, England. Apparatus for the reaeration of boiler feed water. 1,540,179; June 2.
Morrison, George C., Calumet, Mich. Brush clamp. 1,540,139; June 2.
Morrius, Grover C., Austin, Tex. Artificial bait. 1,540,702; June 2.
Morrow, John J., assignor to A. C. Wicke Manufacturing Company, New York, N. Y. Automatic roller fastener. 1,539,858; June 2.
Mortka, Johan, Poughkeepsie, N. Y. Dishwashing machine. 1,540,492; June 2.
Motor Radiator Corporation of America. (See Keith, William J., assignor.)
Mullen, George W. (See Conley, E. J., and Mullen.)
Munroe, Harry, New York, N. Y. Threadless spark plug and adapter therefor. 1,540,180; June 2.
Murphy, Gilbert, and W. A. Simond, assignors to Acme Knitting Machine & Needle Company, Franklin, N. H. Needle selecting and operating mechanism for circular-knitting machines. 1,540,493; June 2.
Murphy, John J., Norwich, Conn. Golf club. 1,540,559; June 2.
Murphy, Walter P. (See Kilpin, Garth G., assignor.)
Murray, Donald, London, England, assignor to The Western Union Telegraph Company, New York, N. Y. Page-printing telegraph machine. 1,540,727; June 2.
Mussy, William H., Evanston, Ill. Overflow and heat indicator for automobiles. 1,540,275; June 2.
Myers, Carmon A., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Vulcanizing apparatus. 1,540,219; June 2.
N. V. Instituut voor Aeroen Hydrodynamiek. (See Luchsinger, Emil, assignor.)
Namiki, Ryosuke, Tokyo, Japan. Fountain pen. 1,540,416; June 2.
Nashua Gummed & Coated Paper Company. (See Gautier, Trevor R., assignor.)
Nathanson, Joseph, San Francisco, Calif. Vanity case. Des. 67,469; June 2.
National and Local Advertising Company. (See St. Clair, R. W., and Irvin, assignors.)
National Blank Book Company. (See Schade, John, assignor.)

National Cash Register Company, The. (See Carroll, Fred M., assignor.)
Nedrow, Jacob. (See Sakon, Fred W., assignor.)
Neigenind, Oscar J. (See Thompson, J. M., and Neigenind.)
Nelson, Andrew W., assignor to Columbian Enameling & Stamping Co., Terre Haute, Ind. Silver-cleaning apparatus. 1,540,220; June 2.
Nelson, Arthur W., Williamsport, Pa. Feeding device. 1,540,703; June 2.
Nelson, Chris E. (See Jenks, C., and Nelson.)
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Bobbin-case latch for sewing machines. 1,539,859; June 2.
Nelson, George W., assignor to The Standard Sewing Machine Company, Cleveland, Ohio. Stop mechanism for sewing machines. 1,539,860; June 2.
Nelson, Lewis D., Union City, Mich. Conveyer. 1,540,560; June 2.
Nette, Herman E., Chicago, Ill. Self-seating valve for internal-combustion engines. 1,540,031; June 2.
Newell Manufacturing Company. (See Newell, Robert E., assignor.)
Newell, Robert E., assignor to Newell Manufacturing Company, Irwin, Pa. Water heater. 1,540,361; June 2.
Newhouse, Milford J., Kenwood, N. Y. Toe spring for rubbers. 1,540,646; June 2.
Nicholas, Andrew J., Philadelphia, Pa., assignor to A. D. Cook, Incorporated, Lawrenceburg, Ind. Deep-well power pump. 1,540,704; June 2.
Nichols, Wesley G., Chicago Heights, assignor to American Manganese Steel Company, Chicago, Ill. Chain bucket dredge. 1,540,276; June 2.
Mitzsche, Ewald, Burton, Tex. Cotton chopper. 1,540,561; June 2.
Noah, Robert H. (See Feldhaus, F. F., and Noah.)
Noble, Paul O., assignor to General Electric Company, Schenectady, N. Y. Arc-welding apparatus. 1,540,705; June 2.
Norvell, Charles A., Memphis, Tenn. Machine for measuring and cutting packing. 1,540,362; June 2.
Nowosielski, Edward B., assignor to Splitdorf Electrical Company, Newark, N. J. Binding post for electric cables. 1,540,221; June 2.
Nowosielski, Edward B., Bloomfield, assignor to Splitdorf Electrical Company, Newark, N. J. Receiver. 1,540,222; June 2.
Nybus, Hilbert J. (See Sagen, Martin A., assignor.)
Obernacker, Clarence F., Cleveland, Ohio. Piston. 1,540,562; June 2.
Oehmichen, Etienne, Valentigney, France. Controlling and stabilizing device for helicopters. 1,540,706; June 2.
Ohnstrand, Enoch, Mohawk, N. Y., assignor to Library Bureau, Cambridge, Mass. Joint for cabinets and the like. 1,540,140; June 2.
Okamoto, Tomotaro, Fort Lupton, Colo. Traffic signal for automobiles. 1,539,950; June 2.
Oliver, Edwin L., Piedmont, Calif. Forming protective linings. 1,540,563; June 2.
Olson, Carl W., Minneapolis, Minn. Deflecting means. 1,540,141; June 2.
Olson, Hilmer, Hoquiam, Wash. Valve for cylinders. 1,540,181; June 2.
Olson, John L., Chicago, Ill. Curling iron. 1,540,564; June 2.
Olson Manufacturing Co., The. (See Hanson, Haaken P., assignor.)
Olszowiec, Stanislaw, New Waterford, Nova Scotia, Canada. Gun. 1,540,494; June 2.
Oneida Community, Ltd. (See Allen, Jared E., assignor.)
Orange, Charles T. (See Macbeth, Albert C., assignor.)
Ormsbee, George F., assignor of one-third to E. Jones and one-third to J. Martin, Smith Center, Kans. Windmill. 1,540,707; June 2.
Orr, Henry A., U. S. Navy. Checking eyepiece attachment for gunsight telescopes. 1,540,083; June 2.
Ortweller, Simon, London, England. Catch for the flaps of purses and bags. 1,540,032; June 2.
Otaka Fabric Company, The. (See Lorenz, William A., assignor.)
Otaka Paper Company, The. (See Lorenz, William A., assignor.)
Ottinger, Leon, New York, N. Y. Latch escutcheon and applying the same. 1,540,495; June 2.
Outhier, Louis T., and E. P. Malone, Eureka, Calif. Grease container. 1,540,182; June 2.
Overton, Fitzhugh L., Shreveport, La. Sign-display board. Des. 67,470; June 2.
Owens, John B., New York, N. Y. Glaze machine. 1,540,417; June 2.
Pacent, Louis G., Winfield, N. Y. Connecting plug. 1,540,496; June 2.
Page, Samuel H., Stratford, assignor to The American Fabrics Company, Bridgeport, Conn. Lace. Des. 67,471; June 2.
Pangborn, Lyle A., Paris, Mich. Advertising device. 1,539,861; June 2.
Paragon Can & Cap Company. (See Anderson, Gustav F., assignor.)
Paramount Rubber Consolidated, Inc. (See Roberts, Fred T., assignor.)
Paris, José, Manila, P. I. Educational device. 1,539,909; June 2.
Parish, Homer M., Charlotte, Mich. Water filter. 1,539,910; June 2.
Parker, Charles A., Haugan, assignor of one-half to W. H. Logan, St. Regis, Mont. Hose clamp. 1,540,084; June 2.
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parsons, Frederick W., Cleveland, Ohio. Fire-door control. 1,540,647; June 2.
Parsons, George H., assignor to Averill Manufacturing Co., New York, N. Y. Sounding toy. 1,540,708; June 2.
Partie, William A., Moline, Ill. Brake attachment for motor vehicles. 1,539,862; June 2.
Partridge, Martha J., Manchester, N. H. Card game. 1,540,085; June 2.
Pathe Phonograph and Radio Corporation. (See Reifel, Harry, assignor.)
Paul, George F., et al. (See Ercanbrack, John E., assignor.)
Pearson, Gustav C., assignor to The Denver Rock Drill Manufacturing Company, Denver, Colo. Depth gauge. 1,540,183; June 2.
Pease, George F., San Francisco, Calif. Trailer brake mechanism. 1,540,086; June 2.
Peerless Manufacturing Company. (See Bennitt, George E., assignor.)
Peerson, James M., Florence, Ala. Cleaner for cotton feeders. 1,539,951; June 2.
Pekárý, Marie. (See Boyance, E., and Pekárý.)
Pelto, Peter B., Detroit, Mich. Automatic starter for motor-driven vehicles. 1,540,565; June 2.
Pemberton, Edward L., New York, N. Y. Excavating dipper. 1,539,863; June 2.
Pendergraft, William A., Carney, Okla. Leg splint. 1,539,911; June 2.
Perrault, Joseph E. (See Wydom, H. H., and Perrault.)
Pershing, Royal S., Fort Worth, Tex. Heating device for oil wells. 1,540,643; June 2.
Peterson, Alfred J. A., and F. B. Kniskern, Wilkinsburg, Pa., assignors to Westinghouse Electric & Manufacturing Company. Circuit-interrupter system. 1,539,864; June 2.
Peterson, Oscar, Dent, Minn. Combination tool. 1,539,912; June 2.
Petree, Donald C., Clarence, Mo. Pipe extractor. 1,540,566; June 2.
Pettis, Clifton D., New York, N. Y. Holding expanded-metal or similar brake-shoe inserts. 1,540,277; June 2.
Pettis, Clifton D., New York, N. Y. Brake shoe. 1,540,278; June 2.
Pfannenstiehl, Harry, Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Printing telegraphy. 1,540,710; June 2.
Picker, Alice K., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,472; June 2.
Piehl, Fred W. and J. H., and P. F. Timmermann, Fairbank, Iowa. Radiator cover. 1,540,709; June 2.
Piehl, John H., (See Piehl, Fred W. and J. H., and Timmermann.)
Pierpoint, John J. (See Pierpoint, John O., assignor.)
Pierpoint, John O., assignor of one-half to J. J. Pierpoint, Pana, Ill. Apparatus for manipulating globes. 1,540,142; June 2.
Pierpoint, John O., assignor of one-half to J. J. Pierpoint, Pana, Ill. Apparatus for manipulating globes. 1,540,143; June 2.
Pinell, Walter, Berlin-Siemensstadt, assignor to Siemens Halske Aktiengesellschaft, Siemensstadt, near Berlin, Germany. Telephone system. 1,540,087; June 2.
Pines Manufacturing Company. (See Raleigh, James F., assignor.)
Plastue Mfg. Corporation. (See Hutchinson, Frank S., assignor.)
Pohl, Emil, Bogota, N. J. Machine for coating, glazing, or otherwise treating paper and similar material. 1,539,952; June 2.
Pohlman, Edward A., and J. Lovell, San Diego, Calif. Combined vehicle raising and rim jack and hub-cap wrench. 1,540,497; June 2.
Poles, Isaac, New Rochelle, N. Y. Bottle. Des. 67,473; June 2.
Polinkowsky, Lipa, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,540,033; June 2.
Porter, Mary E., Syracuse, N. Y. Folding shelf for ironing machines. 1,540,567; June 2.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone trunking system. 1,540,418; June 2.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,540,419; June 2.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Automatic telephone system. 1,540,420; June 2.
Powell, Winfred T., assignor to The Stromberg-Carlson Telephone Manufacturing Company, Rochester, N. Y. Telephone circuits. 1,540,421; June 2.
Power, Frederick B., Washington, D. C., and V. K. Chesnut, Hyattsville, Md. Bait attractive to the cotton-boll weevil. 1,540,649; June 2.

Prather, Robert F. J., Dallas, Tex. Pressure machine for forming articles from plastic materials. 1,540,650; June 2.

Pratt, Lester A., and J. H. Clarke, Winchester, assignors to Merrimac Chemical Company, Woburn, Mass. Manufacture of sodium sulphide. 1,540,711; June 2.

Pratt, William H., Kingston, N. Y. Attachment for tire valves. 1,539,865; June 2.

Presnell, Erral O., and S. A., Algiers, La. Railway-crossing stop. 1,539,953; June 2.

Presnell, Samuel A. (See Presnell, Erral O., and S. A.)

Preston, George E. (See Colbert, C. C., and Preston.)

Pry, Charles, Portsmouth, Ohio. Gauge cock; 1,540,279; June 2.

Pungs, Leo, Berlin-Charlottenburg, assignor to C. Lorenz Aktiengesellschaft Lorenzweg, Berlin-Tempelhof, Germany. Signal-sending apparatus in wave telegraphy. 1,540,712; June 2.

Quaker Oats Company, The. (See Ferguson, John L., assignor.)

Quante, Otto, assignor to Dill and Collins Co., Philadelphia, Pa. Doctor for calender rolls. 1,540,223; June 2.

Raleigh, James F., assignor to Pines Manufacturing Company, Chicago, Ill. Shutter apparatus for radiators. 1,540,280; June 2.

Ramaly, Milton A., Bowmanstown, Pa. Chain fastener. 1,540,713; June 2.

Ramelow, Edmund A. (See Triefenbach, Peter, W. J., A. P., and G. L., and Ramelow.)

Ramler, Frederick A. (See Baker, W. A., and Ramler.)

Ramsay, Arthur D., Lowell, Mass. Box for bobbin trucks. 1,540,422; June 2.

Randles, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Washing machine. 1,540,498; June 2.

Randles, George E., Cleveland, Ohio, assignor to The Foote-Burt Company. Washing machine. 1,540,499; June 2.

Rasmussen, Martin, assignor to Hartmann Trunk Company, Racine, Wis. Trunk lock. 1,540,088; June 2.

Rausse, Antonio, Northvale, N. J. Attachment for embroidery machines. 1,540,714; June 2.

Rawlings, Samuel J., Kearney, N. J. Door holder. 1,540,651; June 2.

Raymer, Frederick J. (See Kershaw, A. G., and Raymer.)

Realite Pencil Manufacturing Company. (See Keeran, C. R., and Lynn, assignors.)

Rebbeck, Frederick E. (See Green, Isaac C., assignor.)

Rebours, Jules E., Grand Rapids, Mich. Automobile trunk and equipment therefor. 1,540,568; June 2.

Redmond, Albert G., Indianapolis, Ind., assignor to Marvel Carbureter Company, Flint, Mich. Charge-heating control for internal-combustion engines. 1,540,144; June 2.

Reed, John F. (See Long, William T., assignor.)

Reed, Ralph, Cincinnati, Ohio. Cushioning device. 1,540,500; June 2.

Reed, William S., Leominster, Mass. Coupling. 1,540,281; June 2.

Rees, Paul J., assignor of one-half to E. U. Gibbs, York, Pa. Guide vane. 1,540,423; June 2.

Regan Safety Devices Company. (See Kendall, Allen B., assignor.)

Regan Safety Devices Company, The. (See Shaver, Archibald G., assignor.)

Regan, William J., assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft gear for railway cars. 1,540,282; June 2.

Regestein, Walter P., assignor to E. I. du Pont de Nemours & Company, Wilmington, Del. Producing nitrocellulose explosives. 1,540,424; June 2.

Reid, William, Philadelphia, Pa. Garment hanger. 1,540,363; June 2.

Reifel, Harry, New York, N. Y., assignor to Pathe Phonograph and Radio Corporation. Variocoupler. 1,540,145; June 2.

Reinhart, Arthur, Portland, Oreg. Reversible bow tie. 1,539,913; June 2.

Reinke, Arthur E., The Hague, Netherlands, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Telephone system. 1,539,866; June 2.

Reinmiller, Denton, Racine, Wis. Pan-handling tool. 1,540,184; June 2.

Reliance Manufacturing Company. (See Thrall, Walter L., assignor.)

Rémondy, Léon E., Ruell, France. Fuse body for projectile fuses. 1,540,283; June 2.

Respess, Heard, assignor, by mesne assignments, to Wurldsbest Rainshield Ventilator Company, Inc., New York, N. Y. Ventilator. 1,540,569; June 2.

Respess, Roland B., New York, N. Y. Flexible truss. 1,539,954; June 2.

Reveny, Charles G., San Francisco, Calif. Kitchen utensil. 1,540,284; June 2.

Reynolds, Henry G. E., Summerland, British Columbia, Canada. Combination match safe and ash tray. 1,540,285; June 2.

Rhoades, Paul, Crawfordaville, Ind. Automobile attachment. 1,539,914; June 2.

Rhodin, Brodde E. F., Caldwell, N. J. Magnesium extraction. 1,539,955; June 2.

Richard, Charles D., New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange line switch. 1,540,034; June 2.

Richards, Claude G., Bolckow, Mo. Mold. 1,540,185; June 2.

Richardson, Marie. (See Dale, J. F., and Richardson.)

Riding, J. H. (See Shipley, Charles V., assignor.)

Ridler, Harry C., Minneapolis, Minn. Cooling device for drinking fountains. 1,539,867; June 2.

Riikonen, John, Chicago, Ill. Vending machine. 1,540,715; June 2.

Rispel, Alexander, and L. C. Liedtke, Chicago, Ill. Meat compressor. 1,540,186; June 2.

Roberts, Edmund W., Cincinnati, Ohio. Internal-combustion engine. 1,540,286; June 2.

Roberts, Edward P., Lakewood, Ohio. Chart. 1,539,868; June 2.

Roberts, Fred T., Upper Montclair, N. J., assignor to Paramount Rubber Consolidated, Inc., Philadelphia, Pa. Method and apparatus for making jars of hard rubber and similar materials. 1,539,869; June 2.

Roberts, Lud, assignor to Jackson Reinforced Concrete Pipe Co., Jackson, Mich. Clamp for concrete forms. 1,540,570; June 2.

Rocks, James W. (See Feistel, A. V., and Rocks.)

Rodhe, Olof, assignor to Svenska Aktiebolaget Mono, Stockholm, Sweden. Electrical indicating or recording means for gas-analysing apparatus. 1,539,956; June 2.

Roehlen, William F., Rochester, N. Y. Apparatus for and method of printing materials. 1,540,287; June 2.

Roesch, Alfred, deceased; by E. Roesch, administratrix, assignor to Charles J. Tagliabue Manufacturing Co., Brooklyn, N. Y. Automatic regulator. 1,540,035; June 2.

Roesch, Emma, administratrix. (See Roesch, Alfred.)

Rogers, John, Bridgeport, assignor of one-fourth to T. E. Lake, Stratford, one-fourth to H. F. Blakeley, Bridgeport, and one-fourth to I. Rosenzweig, Milford, Conn. Self-closing basin faucet. 1,540,501; June 2.

Rohrdanz, Edwin. (See Rohrdanz, John and E.)

Rohrdanz, John and E., Blue Island, Ill. Apparatus for operating elevator gates. 1,539,957; June 2.

Roland, Thomas H., San Diego, Calif. Automatic fuel cut off for steam boilers. 1,540,224; June 2.

Roldan G. B njamin, Caracas, Venezuela. Wave motor. 1,540,364; June 2.

Rolfes, George H., assignor to Handlan-Buck Manufacturing Company, St. Louis, Mo. Burner for hand lanterns. 1,540,036; June 2.

Rosenthal, Max H., assignor to Technical Glass Company, Inc., Los Angeles, Calif. Glass doorknob. Des. 67,474; June 2.

Rosenzweig, Isidor, et al. (See Rogers, John, assignor.)

Ross, Edwin, New York, N. Y. Bottle. Des. 67,475; June 2.

Ross, Frederick N., Pontiac, Mich., assignor, by mesne assignments, to The Button Attaching Machine Co., Waterbury, Conn. Button-attaching machine. 1,540,365; June 2.

Ross, Frederick N., Pontiac, Mich., assignor, by mesne assignments, to The Button Attaching Machine Co., Waterbury, Conn. Overall hardware. 1,540,366; June 2.

Ruckert, Harry E., Philadelphia, Pa. Plate or similar article. Des. 67,476; June 2.

Rush, Jacob, Louisville, Ky. Band-saw guide. 1,539,958; June 2.

Ryan, Lonnie W., assignor to Lindsay Light Company, Chicago, Ill. Making zirconium compounds. 1,540,425; June 2.

Ryan, Richard M., St. Louis, Mo. Automobile license lamp. 1,540,225; June 2.

Ryberg, Anders E., Drammen, and P. C. Schaanning, Christiania, Norway. Beating stuff for the manufacturing of paper in conical stuff beaters, as Jordan engines, Marshall engines, etc. 1,540,226; June 2.

Sagen, Martin A., assignor of one-third to H. J. Nyhus, Edmore, N. Dak. Convertible hitch device. 1,540,426; June 2.

St. Clair, Robert W., and J. R. Irvin, Clymer, assignors to National and Local Advertising Company, Incorporated, Indiana, Pa. Advertising apparatus. 1,540,661; June 2.

Sakon, Fred W., assignor of one-half to J. Nedrow, Windber, Pa. Trolley wheel. 1,540,652; June 2.

Sams, Ora L., Los Angeles, Calif. Coin-controlled electric-fan attachment. 1,540,571; June 2.

Samuels, Abraham B., Akron, Ohio. Swimming device. 1,540,368; June 2.

Sanders, Lee W., Burley, Idaho. Scale balance, automatic lift, two-way riding plow. 1,540,227; June 2.

Sandin, Maurits J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electric cut-out. 1,539,870; June 2.

Sargent, Lester L., Washington, D. C. Fruit-squeezing device. 1,539,959; June 2.

Sargent, Robert A., assignor to The W. C. Heller and Company, Montpelier, Ohio. Display cabinet. 1,540,367; June 2.

Saunders, William M., assignor to The Mattatuck Manufacturing Company, Waterbury, Conn. Music-roll end. 1,540,716; June 2.

Savary, Théophile, Paris, France. Radiator. 1,540,653; June 2.

Schaake, William, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Pantograph trolley. 1,539,871; June 2.

Schaanning, Peder C. (See Ryberg, A. E., and Schaanning.)

Schade, John, assignor to National Blank Book Company, Holyoke, Mass. Book cover. 1,540,228; June 2.

Schallis, Edward C., Jersey City, N. J. Bowling game. 1,540,288; June 2.

Schanno, Joseph A., Brooklyn, N. Y. Equaliser. 1,540,289; June 2.

Scharf, Hans, Berlin, Germany. Sound reproducer. 1,540,229; June 2.

Scheffres, Charles, & Co. (See Scheffres, Charles, assignor.)

Scheffres, Charles, assignor to Charles Scheffres & Co., New York, N. Y. Printed fabric. Des. 67,477; June 2.

Schelb, Peter H., and H. C. Gustafson, assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill sharpener. 1,540,187; June 2.

Schenck, Samuel B., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Motor-control system. 1,539,872; June 2.

Schenot, Paul F., Castle Shannon, Pa. Lubricating device for automobiles. 1,539,960; June 2.

Scheuchzer, Auguste Renens, near Lausanne, assignor to Verrodesherbeuse Scheuchzer Societe Anonyme, Renens, Switzerland. Weeding. 1,540,427; June 2.

Schiesari, Mario, New York, N. Y. Automobile bumper. 1,539,873; June 2.

Schlotzhauer, Walter S. (See Williams, B. F., and Schlotzhauer.)

Schmelter, Oscar H., Erie, Pa. Ice-cream dipper. 1,540,089; June 2.

Schmidt, Emily. (See May, George, assignor.)

Schneider & Cie. (See Schneider, Eugene, assignor.)

Schneider, Charles L., and H. C. Fruehauf, assignors to Fruehauf Trailer Co., Detroit, Mich. Removable drawbar for vehicles. 1,540,502; June 2.

Schneider, Eugene, assignor to Schneider & Cie., Paris, France. Apparatus for producing self-hooping effects in metal tubes. 1,540,654; June 2.

Schofield, Frank H., assignor to M. E. Cook, Cleveland, Ohio. Tire carrier and rim tool. 1,540,503; June 2.

Scholl, John and J. Weller, Belgium, Wis. Beet-topping machine. 1,539,874; June 2.

Schröder, Edmund, Berlin, Germany. Manufacturing sheet-metal vessels. 1,540,572; June 2.

Schror, George L. (See Schror, Theodore H. and G. L.)

Schror, Theodore H. and G. L., Albion, N. Y. Game. 1,540,230; June 2.

Schwartzberg, Louis, Chicago, Ill. Carton or box. 1,539,875; June 2.

Schwarskopf, Oscar. (See Kohn, Koby, assignor.)

Scotcher, Arthur W., Newark, N. J. Carton. 1,540,369; June 2.

Scott, Laurence Company Limited. (See Scott, W. H., and Bentley, assignors.)

Scott, Walter, Sheridan, Wyo. Tone clarifier for musical instruments. 1,539,961; June 2.

Scott, William H. and J. Bentley, assignors to Laurence Scott Company Limited, Norwich, England. Electrically-operated crane, hoists, and the like. 1,540,655; June 2.

Seaman, Lloyd, M., Pleasantville, N. J. Pipe coupling. 1,540,504; June 2.

Searl, Clinton M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,540,370; June 2.

Searl, Clinton, M., assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,540,371; June 2.

Sears, Clarence M., Shelton, Conn. Flash-light holder. 1,540,372; June 2.

Seevers, Grace, executrix. (See Seevers, Thomas.)

Seevers, Thomas, deceased, by G. Seevers, executrix, Oskaloosa, Iowa. Dumping vehicle. 1,539,876; June 2.

Seigle, Peter G., and G. E. Dean, Scranton, Pa. Railway rail. 1,540,188; June 2.

Selinger, Jacob. (See Selinger, Leo and J.)

Selinger, Leo and J., Lajord, Saskatchewan, Canada. Feed box. 1,540,290; June 2.

Sellers, William, & Company. (See Kneass, Strickland L., assignor.)

Seppmann, Alfred B., Lake Crystal, Minn. Power cranking device for Fordson tractors. 1,540,656; June 2.

Sessions, Edson O., assignor to A. C. Bell, trustee, Chicago, Ill. Insulator mounting. 1,540,505; June 2.

Sessions, Wendell P., Forest Dale, Vt. Broom holder. 1,540,291; June 2.

Seufert, Friedrich. (See Seufert, Herman J. and F.)

Seufert, Herman J., Brooklyn, N. Y., and F. Seufert, Munich, Germany. Means for connecting bimetallic conductors. 1,539,962; June 2.

Severns, William, Chicago, Ill. Fountain brush. 1,540,428; June 2.

Seymour, Benjamin F., Washington, D. C. Combined transmission and bearing. 1,540,189; June 2.

Shapiro, Henry, Philadelphia, Pa. Brush. 1,540,090; June 2.

Shapiro, Sarah, Waterbury Conn. Pillow cover. Des. 67,478; June 2.

Shaver, Archibald, G., Chicago, Ill., assignor to The Regan Safety Devices Company, Inc., New York, N. Y. Induction train-control system with roadside apparatus. 1,539,877; June 2.

Shaw, William T., Portland, Oreg. Convertible seat. 1,540,657; June 2.

Shebat, Valentine, Butte, Mont. Fly and bait and leader holder. 1,539,915; June 2.

Sheldon, Edward P., assignor to R. Hoe and Co., New York, N. Y. Associating mechanism. 1,540,231; June 2.

Sheldon, Edward P., Brooklyn, assignor to R. Hoe and Co., New York, N. Y. Plate-printing machine. 1,540,232; June 2.

Sheller, Harry E., Portland, Ind. Steering wheel. 1,540,292; June 2.

Sherbondy, Earl H., assignor to S. D. Waldon, Detroit, Mich. Internal-combustion engine. 1,539,963; June 2.

Shipley, Charles V., San Leandro, Calif., assignor to J. H. Riding, Oakland, Calif. Attachment for typewriters and the like. 1,540,429; June 2.

Shur, Raymond, Lemoyne, Pa. Antiskid chain. 1,540,190; June 2.

Siemens & Maleko, Aktiengesellschaft. (See Clausing, Arthur, assignor.)

Siegwart, Hans, Lucerne, Switzerland. Apparatus for manufacturing tubular bodies from concrete. 1,539,964; June 2.

Siemens & Halske Aktiengesellschaft. (See Pinell, Walter, assignor.)

Siever, Karl H., Keyser, W. Va. Padded covering for ironing rolls. 1,539,916; June 2.

Signal Gesellschaft mit beschränkter Haftung. (See Spith, Wilhelm, assignor.)

Sima, Louis, Chicago, Ill. Rear axle. 1,540,146; June 2.

Simmons, John E., assignor to D. U. Jones, Portland, Oreg. Spring support for vehicle bodies. Re16,089; June 2.

Simond, Walter A. (See Murphy, G., and Simond.)

Sims, Frederick L. H., Southampton, Ontario, Canada. Folding bed. 1,540,091; June 2.

Sims, William B., Portland, Oreg. Insole for shoes. 1,540,430; June 2.

Siperek, Siegmund, Pensacola, Fla. Incubator regulator. 1,540,431; June 2.

Skaer, Arthur H., and O. E. Clark, assignors to The Denver Rock Drill Manufacturing Company, Denver, Colo. Drill-steel-sharpening apparatus. 1,540,191; June 2.

Skinner, Merrill E., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Transformer bracing. 1,539,878; June 2.

Smiley, Katie L., Belle Fourche, S. Dak. Electrical headlight dimmer. 1,540,293; June 2.

Smith, Adolphus E., Norfolk, Va. Roof collar. 1,540,192; June 2.

Smith, Charles L., Theresa, N. Y. Liquid-level indicator. 1,539,917; June 2.

Smith & Dove Manufacturing Co., (See Bodwell, Henry A., assignor.)

Smith, Fred C., Los Angeles, Calif. Stop signal for motor vehicles. 1,539,965; June 2.

Smith, Ira H., Greeneville, Tenn. Advertising device. 1,540,658; June 2.

Smith, John T., assignor to Merrimac Chemical Company, Woburn, Mass. Carboy box. 1,540,659; June 2.

Smith, Thomas S., Edmond, Okla. Alarm. 1,540,193; June 2.

Smith, Will F., Brooklyn, assignor to The Governor Fastener Company, New York, N. Y. Necktie. 1,540,087; June 2.

Smith, William E., Lynn, Mass. Talking machine. 1,540,092; June 2.

Snow, Theodore T., Sioux Falls, S. Dak. Animal exterminator. 1,540,660; June 2.

Société Anonyme John Cockerill. (See Cousin, Arthur J. F. J., assignor.)

Society "Chemical Works" formerly Sandoz. (See Fiers, Hans E., assignor.)

Soderstrom, Karl A., Philadelphia, Pa. Regenerative furnace and method of firing furnaces. 1,539,879; June 2.

Soseman, Glenn S. (See Allen, C. H., and Soseman.)

Spalding, A. G., & Bros. (See East, James V. T., assignor.)

Spanburg, John H., assignor of twenty-six one-hundredths to G. L. Cotton, Jackson, Mich. Ignition apparatus. 1,540,432; June 2.

Sparkes, Harry P., Pittsburgh, Pa. Surge-detecting relay. 1,539,880; June 2.

Spith, Wilhelm, assignor to Signal Gesellschaft mit beschränkter Haftung, Kiel, Germany. Electromagnetic vibrator, telephone, or the like. 1,540,093; June 2.

Speicher, Daniel E., and E. C. Faust, Urbana, Ind. Feed trough. 1,540,578; June 2.

Spencer, Friend L., and T. Jones Rochester, N. Y. Chaplet. 1,539,881; June 2.

Spencer, Louis E., West Hartford, Conn. Composite piston. 1,539,882; June 2.

Spielman, Milton H., assignor to The Domestic Electric Company, Cleveland, Ohio. Electric motor. 1,540,038; June 2.

Spiess, Georg, Leipsig, Germany. Device for feeding sheets to printing presses, folding machines, and the like. 1,539,918; June 2.

Spitzdorf Electrical Company. (See Nowosielski, Edward B., assignor.)

Spreen, Charles C., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Mechanical refrigeration. 1,540,717; June 2.

Squire, Raymond S., assignor to Millers Falls Company, Millers Falls, Mass. Tool. 1,540,373; June 2.

Stackhouse, Thomas H., Interville, assignor to Flexo Film and Chemical Co., Reading, Pa. Apparatus for making pyroxylin sheets. 1,540,094; June 2.

Staff, Anthony J., Colorado Springs, Colo. Electric incubator. 1,540,433; June 2.

Stafford, E. H., Mfg. Co. (See Innis, Robert J., assignor.)

Standard Machine Company. (See Bergsten, John, assignor.)

Standard Sewing Machine Company, The. (See Nelson, George W., assignor.)

Statham, Noel, Hastings-on-Hudson, N. Y. Distillation apparatus and process for producing acetone. 1,539,966; June 2.

Steber, Bernard T., Utica, N. Y. Loom. 1,540,574; June 2.

Steber, Bernard T., Utica, N. Y. Loom. 1,540,575; June 2.

Stella, Pasquale, assignor of one-half to C. Amico, Chicago, Ill. Gas lighter. 1,540,294; June 2.

Stevens, Edward W., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Locking device for fluid-pressure tools. 1,540,374; June 2.

Stewart, Andrew J., assignor to Campbell-Smith-Ritchie Co., Lebanon, Ind. Combination kitchen cabinet and ironing board. 1,540,095; June 2.

Stewart-Warner Speedometer Corporation. (See West, Frank W., assignor.)

Stewart-Warner Speedometer Corporation. (See Whittington, Frederik G., assignor.)

Stewart, William, Portland, Me. Direct-expansion ice-making machine. 1,540,029; June 2.

Stewart, William, Portland, Me. Spray nozzle for refrigeration machines. 1,540,040; June 2.

Stockton, Charles G., Ocean Grove, N. J. Exhaust muffler. 1,539,967; June 2.

Stodneck, Anton F., Cleveland, Ohio. Lid holder. 1,540,375; June 2.

Stone, Arthur C., Rochester, N. Y. Camp stove. 1,540,434; June 2.

Stone, Edward G., Devonport, Tasmania, Australia. Retort. 1,540,662; June 2.

Stoural, Frank, Verdigre, Nebr. Antiskid device. 1,540,576; June 2.

Stromberg-Carlson Telephone Manufacturing Company, The. (See Powell, Winfred T., assignor.)

Studebaker Corporation. (See Henry, Guy P., assignor.)

Sturm, Frank X., assignor to The Glove Corporation, Alexandria, Ind. Glove. 1,540,718; June 2.

Summit Brass & Bronze Works, Inc. (See Mertel, Henry P., assignor.)

Summit Thread Company. (See Johnson, Henry G., assignor.)

Svenska Aktiebolaget Mono. (See Rodhe, Olof, assignor.)

Symington Company, The. (See Kade, Byers W., assignor.)

Symons, William L. (See Cochrane, James R., assignor.)

Swancy, James D., sr., Augusta, Ga. Railway-crossing signal. 1,540,233; June 2.

Swanson, John E., Rock Island, Ill. Automatic return system for boilers. 1,539,883; June 2.

Swart, George R., & Company. (See Ehlig, Harry, assignor.)

Swift, John P., Waynesville, N. C. Stock register. 1,539,919; June 2.

Swift, Willard E., Worcester, assignor to United States Envelope Company, Springfield, Mass. Making one-piece window envelopes. 1,540,295; June 2.

Swinscoe, Walter E., and G. L. Collins, Waco, Tex. Ice-weighing device. 1,540,194; June 2.

Tabler, Charles F. W., Tampico, Mex. Gas-separator apparatus. 1,539,968; June 2.

Taft, Herbert O., assignor to Vermont Spool & Bobbin Co., Burlington, Vt. Spool. 1,540,663; June 2.

Taggart, Dawson M., Seattle, Wash., assignor to American Telephone and Telegraph Company. Signaling system. 1,539,920; June 2.

Tagliabue, Charles J., Manufacturing Co. (See Roesch, Alfred, assignor.)

Taneff, Tale. (See Taneff, J. T., Toleff, and Taneff.)

Tatosian, Harry G., assignor, by mesne assignments, to Ice Cream Cone Machinery, Inc., Bridgeport, Conn. Machine for baking sugar cones. 1,540,041; June 2.

Tatum, William W. (See Baddiley, J., and Tatum.)

Taylor, Daniel H., Los Angeles, Calif. Packing. 1,539,969; June 2.

Taylor, Huston, Detroit, Mich. Bumper. 1,539,970; June 2.

Tebo, William A., Anthony, R. I. Means for mounting a bushing or the like in an opening. 1,540,435; June 2.

Technical Glass Company. (See Rosenthal, Max H., assignor.)

Temme, Oliver G., Chicago, Ill. Adjustable bumper for automobiles. 1,539,884; June 2.

Terwilliger, Calvin A., Los Angeles, Calif. Automobile bed. 1,539,971; June 2.

Thamm, Paul, New York, N. Y., assignor, by mesne assignments, to C. B. Woodrow. Lubricating device. 1,540,577; June 2.

Tharp, Lee, Burlington, Iowa. Automobile door spring. 1,539,921; June 2.

Thiess, Karl, Lindlingen, near Hoechst-on-Main, assignor to Farbwerke vorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany. Monoazo dyestuff. 1,540,664; June 2.

Thiess, Karl, Lindlingen, near Hoechst-on-Main, assignor to Farbwerke vorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany. Monoazo dyestuff. 1,540,665; June 2.

Thiess, Karl, Lindlingen, near Hoechst-on-Main, assignor to Farbwerke vorm. Meister Lucius & Bruning, Hoechst-on-Main, Germany. Monoazo dyestuff. 1,540,666; June 2.

Thomas, Charles E., Los Angeles, Calif. Rotating rotary jar. 1,540,436; June 2.

Thomas, Edward W., Houston, Tex. Oil burner. 1,540,042; June 2.

Thomas, George P., Glenshaw, Pa. Vehicle wheel. 1,540,487; June 2.

Thompson, Eustis H., New Kensington, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrical control apparatus. 1,539,885; June 2.

Thompson, Harold E., Indianapolis, Ind. Phonograph. 1,540,376; June 2.

Thompson, Harry C., Schenectady, N. Y., assignor to General Electric Company. Producing oscillations. 1,540,578; June 2.

Thompson, James H., Hollidays Cove, W. Va. Aircraft stabilizer. 1,540,438; June 2.

Thompson, James M., and O. J. Neigenfind, St. Louis, Mo. Aeroplane. 1,540,667; June 2.

Thompson, Osceola C., White Plains, N. Y., assignor to Wirebounds Patents Company. Machine for use in making boxes. 1,539,922; June 2.

Thompson-National Press Company. (See Matteson, George F., assignor.)

Thrall, Walter I., assignor to Reliance Manufacturing Company, Pasadena, Calif. Gas regulator. 1,540,439; June 2.

Thrift, Homer C., Houston, Tex. Well-packer plug. 1,540,195; June 2.

Thum, Martin, assignor to Langslow-Fowler Company, Rochester, N. Y. Chair construction. 1,539,886; June 2.

Timmermann, Paul F. (See Piehl, F. W. and J. H., and Timmermann.)

Tinius Olsen Testing Machine Company. (See Lundgren, Jacob, assignor.)

Titan Co., A./S. (See Farup, Peder, assignor.)

Todd, Floyd C., Gastonia, N. C. Cone support for winding machines. 1,539,972; June 2.

Toleff, Paul. (See Taneff, J. T., Toleff, and Taneff.)

Tozer, Mervin W., Cortez, Colo. Closure fastener. 1,540,296; June 2.

Treadwell, Albert P., Atlanta, assignor of one-half to J. Flournoy, Columbus, Ga. Insecticide container and distributor. 1,540,197; June 2.

Treadwell, Albert P., Atlanta, assignor of one-half to J. Flournoy, Columbus, Ga. Insecticide container and distributor. 1,540,198; June 2.

Treffer, Henry H., Davenport, Iowa. Egg-turning device for incubators. 1,540,199; June 2.

Treuhig, Frederick G., New York, N. Y. Toy. 1,540,440; June 2.

Triefenbach, Alfred P. (See Triefenbach, Peter, W. J., A. P., and G. L., and Ramelow.)

Triefenbach, George L. (See Triefenbach, Peter, W. J., A. P., and G. L., and Ramelow.)

Triefenbach, Peter, W. J., A. P., and G. L., and E. A., Ramelow, St. Louis, Mo. Valve for internal-combustion engines. 1,539,975; June 2.

Triefenbach, William J. (See Triefenbach, Peter, W. J., A. P., and G. L., and Ramelow.)

Troy Laundry Machinery Co., Ltd. (See Hoting, Hans C., assignor.)

Truman, George H., Valley City, N. Dak. Spring core for tires. 1,540,668; June 2.

Truxal, Edward L., Wilkinsburg, Pa., assignor to The American Steel and Wire Company of New Jersey, Hoboken, N. J. Fume collecting and removing apparatus. 1,539,973; June 2.

Tucker, Gordon, Minneapolis, Minn. Lifting jack. 1,539,974; June 2.

Turner, Hubert S., Brooklyn, N. Y. Telephone system. 1,540,043; June 2.

Tuttle, John C., and F. A. Bollinger, assignors to The Firestone Tire and Rubber Company, Akron, Ohio. Collapsible core. 1,539,923; June 2.

Tyler, Wesley D., Plaquemine, La. Moss-cleaning apparatus. 1,540,200; June 2.

Ukman, Max C., St. Louis, Mo. Wheel tire. 1,540,044; June 2.

Unger, Magnus, Pittsfield, Mass., assignor to General Electric Company. Furnace refractory. 1,540,669; June 2.

Union Switch & Signal Company, The. (See Beall, Charles E., assignor.)

Union Switch & Signal Company, The. (See Grondahl, Lars O., assignor.)

Union Switch & Signal Company, The. (See Kershaw, A. G., and Raymer, assignors.)

Union Switch & Signal Company, The. (See Wallace, Herbert A., assignor.)

United Shoe Machinery Corporation. (See Jacques, George W., assignor.)

United States Cartridge Co. (See Flory, Ernest, assignor.)

United States Envelope Company. (See Swift, Willard E., assignor.)

United States Gypsum Company. (See Utsman, Clarence W., assignor.)

Utsman, Clarence W., assignor to United States Gypsum Company, Chicago, Ill. Bound-edge plaster wall board. 1,540,045; June 2.

Vandergrift, Frank C., assignor to The Williams Foundry & Machine Company, Akron, Ohio. Platen. 1,539,887; June 2.

Van Dorn Iron Works Company, The. (See Barker, Percy E., assignor.)

Van Dorn, Thomas B. (See Barker, Percy E., assignor.)

Vaughan, Henry F. (See Mas, George N., assignor.)

Vellone, Joseph. (See Calvin, William E. L., assignor.)

Vermont Spool & Bobbin Co. (See Taft, Herbert O., assignor.)

Vernaci, Joseph, Brooklyn, A. Carollo, L. Carollo, and S. Carollo, Long Island City, N. Y. Macaroni drier. 1,539,976; June 2.

Verschoyle, William D., Ballisodare, Ireland. Target for trap shooting and the like. 1,539,977; June 2.

Victor Talking Machine Company. (See La Rue, William D., assignor.)

Vidmer, George, Washington, D. C. Golf-practice court. 1,540,670; June 2.

Vogt Brothers Mfg. Co. (See Vogt, Clarence W., assignor.)

Vogt, Clarence W., assignor to Vogt Brothers Mfg. Co., Louisville, Ky. Combination hopper and fuel feeding and distributing construction for furnaces. 1,540,671; June 2.

Voltz, Albert G., Tulsa, Okla. Hack saw. 1,540,201; June 2.

Von Arnhem, Douglas, Berlin, Germany. Boot and shoe. 1,540,147; June 2.

V. Traitteur, Friedrich O., Frankenthal, Germany. Press for producing multicolored prints from copper cylinders. 1,540,196; June 2.

Vroom, Guysbert B., Washington, D. C. Chronograph. 1,539,978; June 2.

Vulcan Last Company, The. (See Searl, Clinton M., assignor.)

Waddington, Arthur S., assignor of one-half to Waddington Tamperproof Taximeters Limited, London, England. Alarm device. 1,539,979; June 2.

Waddington Tamperproof Taximeters Limited. (See Waddington, Arthur S., assignor.)

Waggener, Paul N., Memphis, Tenn. Identifying apparatus. 1,540,148; June 2.

Wagner, Charles F., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring current distribution. 1,539,888; June 2.

Waite, Frank H., and G. W. Dewey, Long Island City, N. Y. Air-cooled furnace. 1,539,924; June 2.

Waite Grass Carpet Company. (See Waite, Ossian T., assignor.)

Waite, Ossian T., assignor to Waite Grass Carpet Company, Oshkosh, Wis. Rug and strand therefor. 1,540,046; June 2.

Waldon, Sidney D. (See Sherbondy, Earl H., assignor.)

Walker, George, Newton Center, Mass. Mechanism for preventing backlash in precision instruments, etc. 1,540,149; June 2.

Walker, George, Newton Center, Mass. Escape mechanism for ships' instruments and other precision instruments. 1,540,150; June 2.

Walker, George, Newton, Mass. Apparatus for averaging velocities of rotating elements. 1,540,151; June 2.

Wallace, Herbert A., Edgewood Borough, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,540,579; June 2.

Wallo, Olov, Minneapolis, Minn. Clothes-lifting device for boilers. 1,540,441; June 2.

Walraven, Albert T., Dallas, Tex. Book cover. 1,540,297; June 2.

Ward, James E., assignor to The Chaney Manufacturing Company, Springfield, Ohio. Plaque. Des. 67,479; June 2.

Ward, Leo T., Springfield, Mass. Ventilating window lock. 1,540,442; June 2.

Warner, Chester E., Berwyn, assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Pull-switch socket. 1,540,377; June 2.

Warner, Raymond M., assignor to The Miller Rubber Company, Akron, Ohio. Vulcanizing rubber. 1,540,580; June 2.

Washington, William. (See Meikle, Maurice C., assignor.)

Wasson, Robert B., Cranford, N. J. Micrometer end-clearance machine. 1,540,378; June 2.

Waszkal, Bronislaw. (See Harmata, Iiko, assignor.)

Watkins, Frederick A., Chicago, Ill. Sound transmitter. 1,540,506; June 2.

Watson, George B., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Drill bit. 1,540,047; June 2.

Watson, George B., assignor to Armstrong Manufacturing Company, Waterloo, Iowa. Drill bit. 1,540,048; June 2.

Waud, Robert H. (See Jefferson, B. H., and Waud.)

Way, Alban W., Philadelphia, Pa. Hinge. 1,540,581; June 2.

Wayland, William W., Cordova, Ala. Verminproof bread box and cutting board. 1,540,507; June 2.

Weaver, Frank S., deceased, Bellevue Borough, Pa.; S. C. Weaver and Fidelity Title and Trust Company, administrators, assignors, by mesne assignments, to Defiance Sales Corporation. Sponge cup. 1,540,379; June 2.

Weaver, Sophia C., et al., administrators. (See Weaver, Frank S.)

Weber, Charles. (See Weber, Kenneth L., assignor.)

Weber, Kenneth L., Augusta, Ga., assignor of one-third to C. Weber, Cincinnati, Ohio. Composition for making flexible, transparent, waterproof windows and the product thereof. 1,540,152; June 2.

Weldinger, William G. G., Chicago, Ill. Propeller. 1,540,728; June 2.

Weigand, Fred B. (See Everett, E. A., and Weigand.)

Weiler, John. (See Scholl, J., and Weiler.)

Weisbrook, William J., Madison, Wis. Hog scalder. 1,540,582; June 2.

Weiss, Theobald C., Racine, Wis., assignor to The Fitzgerald Manufacturing Company, Torrington, Conn. Portable electric sewing-machine motor. 1,540,740; June 2.

West, Frank W., New Rochelle, N. Y., assignor, by mesne assignments, to Stewart-Warner Speedometer Corporation. Sectional gear fastener. 1,540,096; June 2.

Western Electric Company. (See Bowne, Langford J., assignor.)

Western Electric Company. (See Burton, Perry H., assignor.)

Western Electric Company. (See Carpenter, Warren W., assignor.)

Western Electric Company. (See Chaplin, Merle P., assignor.)

Western Electric Company. (See Conway, Roy D., assignor.)

Western Electric Company. (See Craft, E. B., and Colpitts, assignors.)

Western Electric Company. (See Deakin, Gerald, assignor.)

Western Electric Company. (See Folsom, Rolfe A., assignor.)

Western Electric Company. (See Fowler, Clarence B., assignor.)

Western Electric Company. (See Frosberg, Oscar F., assignor.)

Western Electric Company. (See Goodrum, Charles L., assignor.)

Western Electric Company. (See Haddock, Arthur, assignor.)

Western Electric Company. (See Kelly, M. J., and Griffith, assignor.)

Western Electric Company. (See Magrath, Arthur C., assignor.)

Western Electric Company. (See Mathes, Robert C., assignor.)

Western Electric Company. (See Merrill, Frank W., assignor.)

Western Electric Company. (See Pfannenstiehl, Harry, assignor.)

Western Electric Company. (See Polinkowsky, Lipa, assignor.)

Western Electric Company. (See Richard, Charles D., assignor.)

Western Electric Company. (See Williams, Robert R., assignor.)

Western Union Telegraph Company. (See Murray, Donald, assignor.)

Westinghouse Electric & Manufacturing Company. (See Aalborg, Christian, assignor.)

Westinghouse Electric & Manufacturing Company. (See Armstrong, Edwin H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Gaarz, Wilhelm, assignor.)

Westinghouse Electric & Manufacturing Company. (See Hayes, Stephen Q., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hellmund, Rudolf E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Hengstenberg, Paul M., assignor.)

Westinghouse Electric & Manufacturing Company. (See Holy, George H. F., assignor.)

Westinghouse Electric & Manufacturing Company. (See Kempton, Willard H., assignor.)

Westinghouse Electric & Manufacturing Company. (See Krantz, Hubert K., assignor.)

Westinghouse Electric & Manufacturing Company. (See Lehr, Edwin E., assignor.)

Westinghouse Electric & Manufacturing Company. (See Peterson, A. J. A., and Kniskern, assignors.)

Westinghouse Electric & Manufacturing Company. (See Sandin, Maurits J., assignor.)

Westinghouse Electric & Manufacturing Company. (See Schnake, William, assignor.)

Westinghouse Electric & Manufacturing Company. (See Schenck, Samuel B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Skinner, Merrill E., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thompson, Eustis H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wagner, Charles F., assignor.)
Westinghouse Electric & Manufacturing Company. (See Wood, Joseph D., assignor.)
Wheaton, A. W., Brass Works. (See Wheaton, Abram W., jr., assignor.)
Wheaton, Abram W., jr., assignor to A. W. Wheaton Brass Works, Newark, N. J. Self-closing faucet for tank wagons. 1,540,736; June 2.
Wheler, Edward E., Toronto, Ontario, Canada. Garage-door-operating mechanism. 1,539,980; June 2.
Whipple, Raymond T., assignor to C. H. Baer, San Francisco, Calif. Automatic take-up for brake bands. 1,540,719; June 2.
White, Clarence W., North Bennington, Vt. Axle cap. 1,540,508; June 2.
White, John B., Glasgow, Scotland, assignor to Maatschappij Van Berkels Patent, Rotterdam, Netherlands. Spring-balance or other self-indicating scale. 1,540,298; June 2.
White, Morris C., San Francisco, Calif. Piston. 1,540,443; June 2.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument panel. Des. 67,480; June 2.
Whittington, Frederik G., Evanston, assignor to Stewart-Warner Speedometer Corporation, Chicago, Ill. Instrument panel. Des. 67,481; June 2.
Wiard, Robert G., assignor of one-third to J. A. Dent and one-third to O. A. Henkinson, Ypsilanti, Mich. Automatic air control for internal-combustion engines. 1,540,153; June 2.
Wicke, A. C., Manufacturing Company. (See Morrow, John J., assignor.)
Wico Electric Company. (See Clark, Harold H., assignor.)
Wilkinson, Gordon O., Ardmore, Pa. Radio receiving apparatus. 1,539,889; June 2.
Williams, Benjamin F., and W. S. Schlotshauer, Douglas, Ariz. Wind motor. 1,540,583; June 2.
Williams Foundry & Machine Company, The. (See Vandergrift, Frank C., assignor.)
Williams, Lester J., assignor to Kendrick & Davis Co., Lebanon, N. H. Staking tool. 1,539,890; June 2.
Williams, Ralph H., Detroit, Mich. Bumper. 1,539,981; June 2.
Williams, Richard C., Baltimore, Md. Manufacturing heat-insulating brick. 1,540,509; June 2.
Williams, Robert R., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Plastic composition. 1,540,049; June 2.
Williams, William E., assignor to American Steel Foundries, Chicago, Ill. Pressed disk wheel. 1,539,982; June 2.
Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Multioffice telephone system. 1,539,925; June 2.
Willis, Glenn H., assignor of one-third to F. Lahey, Akron, Ohio, and one-third to V. V. Messer Manufacturing Company, Inc., Long Island City, N. Y. Matrix-forming process. 1,540,444; June 2.
Wilson, James S., Scranton, Pa. Grate structure. 1,539,926; June 2.
Wilson, Robert E., Cambridge, Mass., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md. Gellike absorbent and making same. 1,540,445; June 2.
Wilson, Robert E., Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore, Md. Aluminum gellike absorbent and making same. 1,540,446; June 2.
Wilson, Robert E., Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore Md. Cupric gellike absorbent and making same. 1,540,447; June 2.
Wilson, Robert E., Chicago, Ill., assignor to The Baltimore Gas Engineering Corporation, Baltimore Md. Catalytic and adsorbent material. 1,540,448; June 2.
Wilson, Wylie G., Jersey City, N. J., assignor to Loose Seat Valve Company. Valve. 1,540,380; June 2.
Wilt, Robert L., assignor to Wilt Trunk Company, Chicago, Ill. Trunk fixture. 1,540,449; June 2.
Wilt Trunk Company. (See Wilt, Robert L., assignor.)
Winiarski, Adam P., New York, N. Y. Scrubbing and cleaning implement. 1,539,983; June 2.
Wirebounds Patents Company. (See Thompson, Osceola C., assignor.)
Wittig, Albert, Berlin, Germany. Extracting Vanadium. 1,540,154; June 2.
Wolf, Frank C., Los Angeles, Calif. Bottle-washing machine. 1,539,984; June 2.
Wood, Alan D., Philadelphia, assignor of one-third to H. A. Lewis, Norristown, Pa. Magnetic lifting device. 1,539,891; June 2.
Wood, Edward L., Detroit, Mich. Window stop. 1,540,450; June 2.
Wood, Joseph D., Murrysville, Pa., assignor to Westinghouse Electric & Manufacturing Company. Interlocking device. 1,539,892; June 2.
Woodrow, C. Blair. (See Thomas, Paul, assignor.)
Wright, John W. (See Camm, E., and Wright.)
Wurdack, Arthur, Normandy, Mo. Rocker swing. Des. 67,482; June 2.
Wurldsbest Rainshield Ventilator Company. (See Reepes, Heard, assignor.)
Wydom, Herbert H. and J. E. Perrault, assignors to Hood Rubber Company, Watertown, Mass. Detachable metal handle for battery boxes. 1,540,155; June 2.
Wynn, John G., Madison, Wis. Concrete mixer. 1,540,381; June 2.
Yano, Keizo, Nishiku Osaka, Japan. Gold-dust extractor. 1,540,451; June 2.
York, Albert H., Amery, Wis. Nest and roost structure. 1,539,893; June 2.
York, Frits E., Earlville, N. Y. Road-scarifying and stone-removing vehicle. 1,540,729; June 2.
Zacharias, August, Minneapolis, Minn. Auxiliary heater. 1,540,452; June 2.
Zadorozny, Semko, Ashley, Pa. Car door. 1,540,584; June 2.
Zerilli, Marius, Glendale, assignor to L. Joseph, New York, N. Y. Toilet article. 1,540,202; June 2.
Zitscher, Arthur. (See Laska, A. L., and Zitscher.)
Zitscher, Arthur, Offenbach-on-the-Main, assignor to the Corporation of Chemische Fabrik Griesheim-Elektron, Frankfort-on-the-Main, Germany. Bis-(2,3-hydroxynaphthoyl)-4,4'-diamino-3,3'-dialkyloxy-diaryls. 1,540,510; June 2.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 2d DAY OF JUNE, 1925

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrading device, Surface-. R. L. Barker. 1,540,591; June 2.
Acetone, Distillation apparatus and process for producing. N. Statham. 1,539,966; June 2.
Acetylene-gas generator. J. H. Brown. 1,540,250; June 2.
Acid-proof container. R. T. Griffiths. 1,540,554; June 2.
Adjustable frame. H. N. Landaal. 1,540,482; June 2.
Adjustable seat. C. H. Hagopian. 1,540,616; June 2.
Adjustable wrench. J. A. Bell. 1,539,987; June 2.
Advertising apparatus. R. W. St. Clair and J. R. Irvin. 1,540,661; June 2.
Advertising device. L. A. Pangborn. 1,539,861; June 2.
Advertising device. I. H. Smith. 1,540,658; June 2.
Aeroplane. J. M. Thompson and O. J. Neigenfind. 1,540,667; June 2.
Aeroplane propeller. I. C. Degen. 1,540,108; June 2.
Agricultural implement. J. L. and L. I. Hoke. 1,540,477; June 2.
Air-cooled furnace. F. H. Waite and G. W. Davey. 1,539,924; June 2.
Aircraft. Advertising display and night landing signal for. H. E. Hartney. 1,540,123; June 2.
Aircraft stabilizer. J. H. Thompson. 1,540,438; June 2.
Airplane. J. F. Cook, jr. 1,540,104–5; June 2.
Alarm: *See*—
Auto alarm.
Alarm. T. S. Smith. 1,540,103; June 2.
Alarm device. A. S. Waddington. 1,539,979; June 2.
Alloy, Metallic. F. S. Hodson. 1,540,006; June 2.
Aluminum gellike absorbent and making same. R. E. Wilson. 1,540,446; June 2.
Animal exterminator. T. T. Snow. 1,540,660; June 2.
Animal trap. J. E. Allen. 1,540,590; June 2.
Animal trap. W. A. Gibbs. 1,540,691; June 2.
Annealing glass. K. M. Henry. 1,540,264; June 2.
Annealing process. I. J. Koehnlein. 1,540,022; June 2.
Anthraquinone, Manufacture of pure 1-nitro-2-methyl. H. E. Fierz. 1,540,467; June 2.
Anticreeper. H. G. Gillmor. 1,540,612; June 2.
Antiskid chain. R. Shur. 1,540,190; June 2.
Antiskid device. F. Stoural. 1,540,576; June 2.
Antiskidding device. E. H. Haupt. 1,540,624; June 2.
Associating mechanism. E. P. Sheldon. 1,540,231; June 2.
Auditing machine. F. M. Carroll. 1,540,162; June 2.
Auger, Posthole. J. R., C. S., and G. T. Dreher. 1,540,682; June 2.
Auto alarm. J. Massicotte. 1,540,177; June 2.
Auto top. F. D. Gould. 1,540,262; June 2.
Automatic regulator. A. Roesch. 1,540,035; June 2.
Automobile attachment. P. Rhoades. 1,539,914; June 2.
Automobile brake. J. F. Fradet and J. C. Alexanderson. 1,540,689; June 2.
Automobile brake. H. W. Langbein. 1,540,266; June 2.
Automobile brake-controlling apparatus. N. Corsi. 1,540,255; June 2.
Automobile brake mechanism. T. M. Devine. 1,540,109; June 2.
Automobile bumper. F. E. Hutchings. 1,540,011; June 2.
Automobile bumper. M. Schiesari. 1,539,878; June 2.
Automobile cushion and pillow, Combination. E. A. Eiband. 1,540,685; June 2.
Automobile door spring. L. Tharp. 1,539,921; June 2.
Automobile license lamp. R. M. Ryan. 1,540,228; June 2.
Automobile lubricating mechanism. L. E. Durrin. 1,540,683; June 2.
Automobile top. R. Colombino. 1,540,103; June 2.
Automobile trunk and equipment therefor. J. E. Rebours. 1,540,568; June 2.
Automobiles, Adjustable bumper for. O. G. Temme. 1,539,884; June 2.
Automobiles and other vehicles, Laminated suspension spring for. E. Houdry. 1,540,734; June 2.
Automobiles, Lubricating device for. P. F. Schenot. 1,539,960; June 2.
Automobiles or other vehicles, Wheel for. L. Montupet. 1,540,414; June 2.
Automobiles, Overflow and heat indicator for. W. H. Musky. 1,540,275; June 2.
Automobiles, Traction-belt attachment for. R. H. Grimord and E. H. Gremore. 1,540,067; June 2.
Auxiliary heater. A. Zacharias. 1,540,452; June 2.
Axle cap. C. W. White. 1,540,508; June 2.
Axle counter for mining and other vehicles. A. G. Kershaw and F. J. Raymer. 1,540,019; June 2.
Axle, Rear. L. Sima. 1,540,146; June 2.
Azodyes, Aminoarylalkyltoluolsulfamid. H. Clingestein. 1,540,164; June 2.
Bag fastener and making same. W. C. Hiering. 1,540,004; June 2.
Bag-frame fastener. W. C. Hiering. 1,540,005; June 2.
Bag holding and measuring apparatus. J. Cytron. 1,540,165; June 2.
Bait, artificial. G. C. Morriss. 1,540,702; June 2.
Balance-testing machine. J. Lundgren. 1,540,643; June 2.
Batteries, Producing storage. G. F. Downer. 1,540,548; June 2.
Battery: *See*—
Storage battery.
Battery boxes, Detachable metal handle for. H. H. Wydom. 1,540,155; June 2.
Battery separator. O. W. Brown and C. O. Henke. 1,540,532; June 2.
Bearing, Self-aligning. I. C. Howes. 1,540,072; June 2.
Bed, Automobile. C. A. Terwilliger. 1,539,971; June 2.
Bed, Folding. F. L. H. Sims. 1,540,091; June 2.
Beet-topping machine. J. Scholl and J. Weiler. 1,539,874; June 2.
Bird-cage stand. A. V. Erving. Des. 67,449; June 2.
Bis-(2,3-hydroxynaphthoyl)-4,4'-diamino-3,3'-dialkyloxy-diaryls. A. Zitscher. 1,540,510; June 2.
Bismuth tartrates, Manufacture of. G. Giemsa. 1,540,117; June 2.
Bit: *See*—
Drill bit.
Blowtorches, Combustion head or burner for. H. J. Bagley, sr. 1,540,676; June 2.
Boats, Driving gear for. F. R. Dravo. 1,540,259; June 2.
Board: *See*—
Panel board. Plaster wall board.
Boiler feed water, Apparatus for the deaeration of. D. R. Morison. 1,540,179; June 2.
Boiler flues, Heat saver and heat-increasing action for. L. J. Burke. 1,540,535; June 2.
Boilers, Automatic return system for. J. R. Swanson. 1,539,883; June 2.
Boilers, Clothes-lifting device for. O. Wallo. 1,540,441; June 2.
Boilers, Furnace for. A. Cotton. 1,540,106; June 2.
Boll weevil, Bait attractive to the cotton-. F. B. Power and V. K. Chesnut. 1,540,649; June 2.
Book cover. J. Schade. 1,540,228; June 2.
Book cover. A. T. Walraven. 1,540,297; June 2.
Books and the like, Holder for counter check. T. V. Bell. 1,540,242; June 2.
Boot and shoe. D. von Arnhem. 1,540,147; June 2.
Boring machine, Earth-. W. E. Moore. 1,539,908; June 2.
Bottle. J. T. Eaneff, P. Toleff, and T. Taneff. Des. 67,447; June 2.
Bottle. P. A. Ginter. Des. 67,458–6; June 2.
Bottle. S. W. Johnson. Des. 67,463–5; June 2.
Bottle. G. N. Mas. Des. 67,468; June 2.
Bottle. A. K. Picker. Des. 67,472; June 2.
Bottle. I. Poles. Des. 67,473; June 2.
Bottle. E. Ross. Des. 67,475; June 2.
Bottle-washing machine. F. C. Wolf. 1,539,984; June 2.
Bow tie, Reversible. A. Reinhart. 1,539,913; June 2.
Bowling game. E. C. Schallis. 1,540,288; June 2.
Box: *See*—
Carboy box. Mail box.
Feed box.
Boxes, Machine for use in making. O. C. Thompson. 1,539,922; June 2.
Bracelet, Link. W. Boots. 1,540,285; June 2.
Bracket: *See*—
Hanger bracket. Shelf-supporting bracket.
Bracket. F. J. Kostenbauder. 1,539,850; June 2.
Braided tie, Making a. C. S. Lange. 1,540,136; June 2.
Brake: *See*—
Automobile brake.
Brake. E. J. Doberstein. 1,540,111; June 2.
Brake bands, Automatic tape-up for. R. T. Whipple. 1,540,719; June 2.
Brake mechanism, Trailer. G. F. Pease. 1,540,086; June 2.
Brake shoe. C. D. Pettis. 1,540,278; June 2.

Brake-shoe inserts, Holding expanded-metal or similar. C. D. Pettis. 1,540,277; June 2.
Bread box and cutting board, Verminproof. W. W. Wayland. 1,540,507; June 2.
Brooder, Chicken. J. N. Guertin. 1,539,899; June 2.
Broom holder. W. P. Sessions. 1,540,291; June 2.
Brush. H. Shapiro. 1,540,090; June 2.
Brush clamp. G. C. Morrison. 1,540,139; June 2.
Brush, Fountain. W. Severns. 1,540,428; June 2.
Brush, Reversible-angle handled. A. Glowa. 1,540,320; June 2.
Building fabric, Reenforced. E. D. Coddington. 1,540,057; June 2.
Building frame. S. J. Carhart. 1,540,542; June 2.
Bulk discharging cover, Predetermined. H. W. Harder. 1,540,122; June 2.
Bumper. H. Taylor. 1,539,970; June 2.
Bumper. R. H. Williams. 1,539,981; June 2.
Burner: *See*—
Electric burner. Oil burner.
Gas burner.
Bushing or the like in an opening, Mounting a. W. A. Tebo. 1,540,435; June 2.
Butter and like products, Cutting device for. S. Blassie. 1,540,246; June 2.
Button. W. W. Hobe. Des. 67,460–1; June 2.
Button-attaching machine. F. N. Ross. 1,540,365; June 2.
Buttonhole reenforcement. E. A. B. Burt. 1,540,538; June 2.
Cabinet and ironing board, Combination kitchen. A. J. Stewart. 1,540,095; June 2.
Cabinet, Collapsible. M. M. Larsen. 1,540,024; June 2.
Cabinet, Display. R. A. Sargent. 1,540,367; June 2.
Cabinets and the like, Joint for. E. Ohnstrand. 1,540,140; June 2.
Calender rolls, Doctor for. O. Quante. 1,540,223; June 2.
Can: *See*—
Food-preserving can. Ice can.
Can-cap-lining apparatus. J. M. Hothersall. 1,540,009; June 2.
Cap. G. J. Kromer. 1,540,405; June 2.
Cap, Miner's. F. Kowasik. 1,540,345; June 2.
Capping horse. W. R. Cannon. 1,540,204; June 2.
Car brakes, Apparatus for manipulating railway-. A. F. Klasing. 1,540,402; June 2.
Car couplings, Draft connection for. R. E. L. Janney. 1,539,845; June 2.
Car door. S. Zadorozny. 1,540,584; June 2.
Car-door-control systems, Doorlock mechanism for multiple-unit. F. Hedley and J. S. Doyle. 1,540,888; June 2.
Car puller. E. J. Albritton. 1,540,587; June 2.
Car-uncoupling device. J. W. Jones. 1,540,556; June 2.
Carboy box. J. T. Smith. 1,540,659; June 2.
Card holder. W. Laurie. 1,540,556; June 2.
Carriage, Baby. W. P. Cresswell. 1,540,256; June 2.
Carriage, Baby. L. Fritz. 1,540,035; June 2.
Carriage, Roller. G. F. Matteson. 1,540,356; June 2.
Carrier systems, Elimination of interference in. L. M. Ilgenfritz. 1,539,903; June 2.
Carton. A. W. Scotcher. 1,540,369; June 2.
Carton or box. L. Schwartzberg. 1,539,875; June 2.
Cartons and receptacles, Pouring spout for. E. S. Allen. 1,539,985; June 2.
Case: *See*—
Vanity case.
Casing head. A. G. Heggem. 1,540,263; June 2.
Casket-carriage attachment. R. J. Beatty. 1,539,980; June 2.
Catalytic and absorbent material. R. E. Wilson. 1,540,448; June 2.
Chain-applying apparatus, Automatic. C. E. Foster. 1,540,116; June 2.
Chain fastener. M. A. Ramaly. 1,540,718; June 2.
Chain holder and applier. L. C. Mamaux. 1,540,644; June 2.
Chair: *See*—
Folding chair.
Chair construction. M. Thum. 1,539,886; June 2.
Chaplet. F. L. Spencer and T. Jones. 1,539,881; June 2.
Chart. E. P. Roberts. 1,539,868; June 2.
Chests and other articles, Panel for cedar. H. F. Hecker. 1,539,945; June 2.
Chimney cap. E. Finch. 1,540,466; June 2.
Chopper: *See*—
Cotton chopper.
Christmas-tree holder. S. J. Lemay. 1,540,025; June 2.
Chronograph. G. B. Vroom. 1,539,978; June 2.
Cigarette and match case, Combined. A. W. Graham. 1,540,553; June 2.
Cinematographic apparatus. J. Happacher. 1,540,329; June 2.
Circuit-continuing device. H. A. Douglas. 1,540,112; June 2.
Circuit, Impulse-receiving. P. H. Burton. 1,540,053; June 2.
Circuit-interrupter system. A. J. A. Peterson and F. B. Kniskern. 1,539,864; June 2.
Clamp: *See*—
Brush clamp. Table clamp.
Hose clamp. Wire clamp.
Clamp or vise. E. R. Henry. 1,540,333; June 2.
Clamping element. C. Drake. 1,539,832; June 2.
Clamping means, End-piece. W. H. Boutelle. 1,539,826; June 2.
Clasp device. H. Mettner. 1,540,489; June 2.
Cleaner: *See*—
Retort cleaner. Vacuum cleaner.
Cleaning apparatus, Spring motor for. M. M. Berger. 1,539,930; June 2.
Cleaning conveying and supporting elements. J. T. Ayers. 1,540,454; June 2.
Clip: *See*—
Pencil clip.
Windshield-glass-retaining clip.
Clock, Lamp. M. C. Fox. 1,540,552; June 2.
Closure fastener. A. Marks. 1,540,029; June 2.
Clothesline reel. G. A. Berglund. 1,540,244; June 2.
Clutch. W. L. Haines. 1,540,617; June 2.
Clutch, Friction. E. Lytton. 1,540,173; June 2.
Clutch-shifting device. C. L. Bowman. 1,540,247; June 2.
Cock, Gauge. C. Pry. 1,540,279; June 2.
Coil mounting. O. E. Cote. 1,540,514; June 2.
Coin-controlled operating mechanism. A. S. Mandel. 1,540,175; June 2.
Collapsible or deformable tube. F. R. Baldwin. 1,539,823; June 2.
Collapsible tube. M. L. Byrne. 1,540,460; June 2.
Color substances, Producing. F. K. Bezemberger. 1,540,098; June 2.
Combustion tube. F. D. Disco. 1,540,611; June 2.
Concrete forms, Clamp for. L. Roberts. 1,540,570; June 2.
Concrete mixer. J. G. Wynn. 1,540,381; June 2.
Concrete structures, Erecting reenforced. E. R. Calthrop. 1,540,312; June 2.
Condenser. F. P. Marsh. 1,540,176; June 2.
Conductors, Connecting bi-metallic. H. J. and F. Seufert. 1,539,962; June 2.
Cones, Machines for baking sugar. H. G. Tutosian. 1,540,041; June 2.
Connecting rod. S. D. Hartog. 1,540,523; June 2.
Contact terminal. A. Haddock. 1,540,328; June 2.
Convertible seat. W. T. Shaw. 1,540,657; June 2.
Conveyer. A. B. Knight. 1,540,021; June 2.
Conveyer. L. D. Nelson. 1,540,560; June 2.
Cooking apparatus, Electrical. B. Moegling. 1,540,178; June 2.
Cordage, Winding. H. A. Bodwell. 1,539,825; June 2.
Core, Collapsible. J. C. Tuttle and F. A. Bollinger. 1,539,923; June 2.
Cot and the like, Folding. J. Gannon. 1,540,212; June 2.
Cotton chopper. E. Nitzsche. 1,540,561; June 2.
Cotton feeders, Cleaner for. J. M. Peerson. 1,539,951; June 2.
Couch, Folding. D. H. Caldemeyer. 1,540,160; June 2.
Counter, Refrigerated display. J. F. Barghausen. 1,540,158; June 2.
Coupling: *See*—
Pipe coupling.
Coupling. W. S. Reed. 1,540,231; June 2.
Crane, hoist, and the like, Electrically-operated. W. H. Scott and J. Bentley. 1,540,655; June 2.
Crib. E. Lyding. 1,540,487; June 2.
Crown mold. J. A. Mayberry. 1,540,412; June 2.
Crucible-steel-melting furnace. P. A. Cuenot. 1,540,515; June 2.
Crutch. F. X. Longs. 1,540,486; June 2.
Cup: *See*—
Sponge cup.
Cupric gellike absorbent and making same. R. B. Wilson. 1,540,447; June 2.
Curling iron. J. L. Olson. 1,540,564; June 2.
Current distribution, Measuring. C. F. Wagner. 1,538,888; June 2.
Current generators, Safety system for alternating-. W. Gaara. 1,539,834; June 2.
Cushioning device. R. Reed. 1,540,500; June 2.
Cut-out, Electric. M. J. Sandin. 1,539,870; June 2.
Cylinders, Valve for. H. Olson. 1,540,181; June 2.
Dating articles of manufacture, apparatus for. J. U. Maniachewitz. 1,540,081; June 2.
Deflecting means. C. W. Olson. 1,540,141; June 2.
Dental mirror. R. N. McCrary. 1,540,409; June 2.
Depth gauge. G. C. Pearson. 1,540,188; June 2.
Derrick leg. F. W. Lockhart. 1,540,641; June 2.
Die-casting machine. A. Kaufmann. 1,539,905; June 2.
Dining and billiard table, Combination. J. N. O. Clement. 1,540,316; June 2.
Dipper, Ice-cream. O. H. Schmelter. 1,540,089; June 2.
Dishwasher. E. Boyance and M. Pekiry. 1,540,457; June 2.
Dishwashing machine. J. Mortka. 1,540,492; June 2.
Disk wheel, Pressed. W. E. Williams. 1,539,982; June 2.
Display device. A. E. and S. Davis. 1,540,516; June 2.
Dolls, Eye mounting for. L. J. Grubman. 1,540,520–1; June 2.
Dolls, manikins, etc., Manufacture of heads for. C. Bloom. 1,540,384; June 2.
Door hanger. U. G. McQueen. 1,540,027; June 2.
Door holder. S. J. Rawlings. 1,540,651; June 2.

Doorknob, Glass. M. H. Rosenthal. Des. 67,474; June 2.
Draft means. L. B. Dee. 1,540,463; June 2.
Draft rigging. B. W. Kadel. Re16,090; June 2.
Drag or scraper, Road. D. and M. Fickes. 1,540,688; June 2.
Dredge, Chain bucket. W. G. Nichols. 1,540,276; June 2.
Drier: *See*—
Macaroni drier. Optical-instrument drier.
Drill: *See*—
Well-boring drill.
Drill bit. G. R. Watson. 1,540,047–8; June 2.
Drinking fountains, Cooling device for. H. C. Ridler. 1,539,867; June 2.
Driving mechanism. G. W. Jacques. 1,539,904; June 2.
Drying machine. J. M. Cavitch. 1,540,600; June 2.
Dust collector. C. A. Kunz. 1,540,346; June 2.
Dye, Trisazo. A. L. Laska and A. Zitscher. 1,540,485; June 2.
Dyestuff, Monoazo. K. Thiess. 1,540,664–6; June 2.
Dyestuffs of the anthraquinone series. J. Baddiley and W. W. Tatum. 1,540,733; June 2.
Educational device. J. Paris. 1,539,909; June 2.
Elastic webbing. W. Kops. 1,540,480; June 2.
Electric burner, Hinged oven. E. H. MacInnes. 1,539,940; June 2.
Electric cables, Binding post for. E. B. Nowosielski. 1,540,221; June 2.
Electric circuits, Protective installation for. C. E. Bennett. 1,540,679; June 2.
Electric motor. M. H. Spielman. 1,540,038; June 2.
Electric-power-plant system. V. G. Apple. 1,540,237; June 2.
Electric switch. F. Ballat. 1,540,097; June 2.
Electric switch. G. A. Burnham. 1,540,596; June 2.
Electrical connecter. C. L. Hopkins. 1,540,006; June 2.
Electrical control apparatus. E. H. Thompson. 1,539,885; June 2.
Electrical receptacle. R. B. Benjamin. 1,540,050; June 2.
Electrical receptacle. P. Hartmann. 1,540,330; June 2.
Electrodes, Removable jacket for spark-plug. W. F. Lautenschlager. 1,540,137; June 2.
Electromagnetic vibrator, telephone, or the like. W. Späth. 1,540,093; June 2.
Electroplating metal with tin, Electrolyte for. F. C. Mathers. 1,540,354; June 2.
Elevator gates, Apparatus for operating. J. and B. Rohrdanz. 1,539,957; June 2.
Embroidery-machine attachment. A. Rausse. 1,540,714; June 2.
Emulsifying or mixing apparatus. R. B. Best. 1,540,592; June 2.
Engine: *See*—
Internal-combustion engine.
Internal four-cycle combustion engine.
Engine cylinder, Internal-combustion single-acting. I. C. Green. 1,540,172; June 2.
Engines, Apparatus operated by multicylinder internal-combustion. E. Desmoulins. 1,540,610; June 2.
Engines, Automatic air control for internal-combustion. R. G. Wiard. 1,540,153; June 2.
Engines, Charge-heating control for internal-combustion. A. G. Redmond. 1,540,144; June 2.
Engines, Controller for hoisting. A. E. Johnson. 1,540,631; June 2.
Engines, Lubricating system for internal-combustion. G. E. Hamilton. 1,540,618; June 2.
Engines, Self-seating valve for internal-combustion. H. E. Nette. 1,540,081; June 2.
Engines, Valve for internal-combustion. P. W. J. A. P. and G. L. Triefenbach and E. A. Ramelow. 1,539,975; June 2.
Envelopes, Making one-piece window. W. E. Swift. 1,540,295; June 2.
Equalizer. J. A. Schanno. 1,540,289; June 2.
Excavating dipper. E. L. Pemberton. 1,539,863; June 2.
Excavating dippers, Pocketed bottom for. J. O. Clark. 1,540,314; June 2.
Exhaust muffler. C. G. Stockton. 1,539,967; June 2.
Explosives, Producing nitrocellulose. W. P. Regestein. 1,540,424; June 2.
Extension table. A. T. Heymann. 1,540,127; June 2.
Extractor: *See*—
Gold-dust extractor. Pipe extractor.
Eyeshade. W. C. Gelde. 1,540,615; June 2.
Fabric: *See*—
Building fabric.
Fabrics, Desizing and cleansing. J. P. Millikin. 1,540,491; June 2.
Fan attachment, Coin-controlled electric-. O. L. Sams. 1,540,571; June 2.
Fan pulley and crank-shaft adjuster, Combined. J. E. Cheek and E. W. Kent. 1,540,601; June 2.
Fastener. G. C. Jones. 1,540,339; June 2.
Fastener, Closure. M. W. Toser. 1,540,286; June 2.
Faucet, Self-closing basin. J. Rogers. 1,540,301; June 2.
Feed box. L. and J. Selinger. 1,540,290; June 2.
Feeding device. A. W. Nelson. 1,540,703; June 2.
Filter presses, Cloth holder for. W. Buckley and J. S. Carpenter. 1,540,251; June 2.
Filter, Water. H. M. Parish. 1,539,910; June 2.
Fingerprint detector and developer. A. E. Bergquist. 1,540,680; June 2.
Finger-ring blank. G. Gaschke. 1,539,940; June 2.
Fire-door control. F. W. Parsons. 1,540,647; June 2.
Fish bait. L. D. Adam. 1,540,586; June 2.
Flash light. W. C. Anderson. 1,540,304; June 2.
Flash-light holder. C. M. Sears. 1,540,372; June 2.
Flasks, Carrier for dental. B. Altman, A. M. Fulton, and H. C. Breese. 1,540,800; June 2.
Floating shoe. K. Hashimoto. 1,540,623; June 2.
Floor construction. O. S. Bowman. 1,539,988; June 2.
Flooring and the like and making same, Composite unit for. R. Houston. 1,540,128; June 2.
Flooring, Finishing. E. C. Dittmar. 1,540,110; June 2.
Flow meter. F. N. Connet. 1,540,737; June 2.
Fly and bait and leader holder. V. Shebat. 1,539,915; June 2.
Flytrap, Suction. F. Drugan. 1,540,518; June 2.
Folding chair. R. J. Innis. 1,540,337; June 2.
Food-preserving can. E. M. Lang, jr., 3d. 1,540,406; June 2.
Footwear-reflecting device. O. H. Hasty. 1,539,836; June 2.
Forming machine. O. S. Bowman. 1,539,989; June 2.
Fountain: *See*—
Ink fountain.
Frame: *See*—
Adjustable frame. Saw frame.
Building frame.
Fruit-squeezing device. L. L. Sargent. 1,539,959; June 2.
Fruit thinner. A. J. Grow. 1,540,392; June 2.
Fuel, Apparatus for controlling the combustion of. W. L. Curry. 1,540,607; June 2.
Fume collecting and removing apparatus. E. L. Fruxal. 1,539,978; June 2.
Furnace: *See*—
Air-cooled furnace.
Crucible-steel-melting furnace.
Furnace. C. F. Kenworthy. 1,539,848; June 2.
Furnace. C. A. Lausen. 1,540,217; June 2.
Furnace and method of firing furnaces, Regenerative. K. A. Soderstrom. 1,539,879; June 2.
Furnace-arch construction. L. H. Hosbein. 1,540,070; June 2.
Furnace construction. L. H. Hosbein. 1,540,069; June 2.
Furnace for the direct reduction of metallic ores. A. J. F. J. Cousin. 1,540,205; June 2.
Furnace refractory. M. Unger. 1,540,609; June 2.
Furnace use, Conveyer roll for. F. A. Fahrenwald. 1,539,823; June 2.
Furnaces, Combination hopper and fuel feeding and distributing construction for. C. W. Vogt. 1,540,671; June 2.
Furnaces, Control of reversing apparatus for heating. G. H. Isley. 1,540,076; June 2.
Fuse element, Renewable. J. B. Glowacki. 1,540,119; June 2.
Fuse ferrule type for removable fuse elements, Cartridge. J. B. Glowacki. 1,540,000; June 2.
Fuse for projectiles. W. L. Lukens. 1,539,947; June 2.
Fuse, knife-blade type for removable-fuse elements, Cartridge. J. B. Glowacki. 1,540,118; June 2.
Fuses, Fuse body for projectile. L. E. Rémondy. 1,540,283; June 2.
Game. H. L. Allspaw. 1,540,299; June 2.
Game. G. C. Fuller. 1,540,324; June 2.
Game. E. Kohler. 1,540,343; June 2.
Game. P. H. and G. L. Schror. 1,540,230; June 2.
Game, Card. M. J. Partridge. 1,540,085; June 2.
Game device. G. E. Bussa. 1,539,895; June 2.
Garage-door-operating mechanism. E. E. Wheler. 1,539,986; June 2.
Garment band, Detached. L. M. Haller. 1,540,003; June 2.
Garment clasps, Die for. M. L. and P. L. Friedman. 1,540,090; June 2.
Garment hanger. W. Reid. 1,540,363; June 2.
Garment, Nether. J. J. McLoughlin. 1,540,557; June 2.
Gas-analyzing apparatus, Electrical indicating or recording means for. O. Rodhe. 1,539,956; June 2.
Gas at high temperature and pressure, Apparatus for the production of. E. Franchimont and V. Cäsar. 1,539,938; June 2.
Gas burner. B. A. Baxter. 1,540,678; June 2.
Gas-flame protector for flashers. G. V. Karlson. 1,540,015; June 2.
Gas-flow alarms, Pressure-responsive switch for. H. Cappellanti. 1,539,891; June 2.
Gas heater, Radiant. G. E. Bennitt. 1,540,528; June 2.
Gas lighter. P. Stella. 1,540,294; June 2.
Gas regulator. W. I. Tuvall. 1,540,439; June 2.
Gas-separator apparatus. C. F. W. Tabler. 1,539,968; June 2.
Gate and attachment for same. A. W. Knutson. 1,539,849; June 2.
Gate mounting. H. P. Mertel. 1,540,490; June 2.
Gate tender, Automatic. F. and P. P. Georges. 1,540,171; June 2.
Gauge: *See*—
Depth gauge.
Gauge or tool. F. Green. 1,539,835; June 2.

Gear fastener, Sectional-. F. W. West. 1,540,096; June 2.
Gear-shift mechanism, Speed equalizer for. J. F. del Rio. 1,540,545; June 2.
Gellike absorbent and making same. R. E. Wilson. 1,540,445; June 2.
Generator: *See*—
Acetylene-gas generator.
Generators, Voltage regulation for. B. M. Leece. 1,540,698; June 2.
Gill screw. W. Holdsworth. 1,540,396; June 2.
Glass: *See*—
Annealing glass.
Glass articles, Machine for forming. C. H. R. Howe. 1,539,842; June 2.
Glassware, Grinding and smoothing machine for. F. L. Hitchcock. 1,540,474; June 2.
Glaze machine. J. B. Owens. 1,540,417; June 2.
Globes, Apparatus for manipulating. J. O. Pierpoint. 1,540,142–3; June 2.
Glove. F. X. Sturm. 1,540,718; June 2.
Gold-dust extractor. K. Yano. 1,540,451; June 2.
Gold separator. H. T. Costa. 1,540,543; June 2.
Golf-ball tee mold. J. M. Collingwood. 1,540,253; June 2.
Golf club. J. J. Murphy. 1,540,559; June 2.
Golf-club head. J. V. T. East. 1,540,550; June 2.
Golf-practice apparatus. D. P. Longenecker. 1,540,350; June 2.
Golf-practice court. G. Vidmer. 1,540,670; June 2.
Grain loader. C. H. Barker. 1,540,239; June 2.
Grate structure. J. S. Wilson. 1,539,926; June 2.
Grease container. L. T. Outhier and E. P. Malone. 1,540,182; June 2.
Guard and ledger plate. J. P. Bagan. 1,540,157; June 2.
Guard and work-rest mounting. F. L. Cole. 1,539,829; June 2.
Guideway. C. G. Johannesmeyer and A. R. McCann. 1,540,131; June 2.
Gun. S. Olszowiec. 1,540,494; June 2.
Hair curler. E. Cook. 1,540,254; June 2.
Hair. Device for straightening. A. D. Franklin. 1,539,898; June 2.
Hair holder. S. Cohen. 1,540,102; June 2.
Hairpin. L. M. Chapman. 1,539,935; June 2.
Hammer, Magazine tack. W. H. Booth. 1,539,894; June 2.
Handle: *See*—
Knife handle. Tool handle.
Hang-up apparatus. C. C. Colbert and G. E. Preston. 1,540,721–2; June 2.
Hanger: *See*—
Door hanger. Garment hanger.
Hanger bracket, Cycle crank-. J. M. Lonn. 1,540,408; June 2.
Harrow and drag, Adjustable. W. A. Earhart. 1,540,549; June 2.
Hat, Fireman's. A. Fenichel. 1,539,997; June 2.
Headlight. C. H. Allen and G. S. Soseman. 1,540,234; June 2.
Headlight deflector. R. L. Anderson. 1,540,673; June 2.
Headlight dimmer, Electrical. K. L. Smiley. 1,540,293; June 2.
Headlight, Dirigible. J. A. Berninghaus. 1,540,309; June 2.
Headlight for motor vehicles. J. M. Cavitch. 1,540,599; June 2.
Heat-exchange unit. J. E. Ercanbrack. 1,540,208; June 2.
Heat-insulated container. P. H. Brainard. 1,540,311; June 2.
Heater: *See*—
Auxiliary heater. Reflector heater.
Gas heater. Water heater.
Helicopters, Controlling and stabilizing device for. E. Oehmichen. 1,540,706; June 2.
Hinge. A. W. Way. 1,540,581; June 2.
Hitch device, Convertible. M. A. Sagen. 1,540,426; June 2.
Hog scalder. W. J. Weisbrook. 1,540,582; June 2.
Hoisting device. C. Jenks and C. E. Nelson. 1,540,630; June 2.
Horn, Air-operated sounding. T. Kollinek. 1,540,023; June 2.
Horseshoes, Heel-tread pad for. J. W. Miller. 1,540,701; June 2.
Hose clamp. C. A. Parker. 1,540,084; June 2.
Hook: *See*—
Mud hook. Safety hook.
Humidifier. W. B. Hodge. 1,540,335; June 2.
Humidity-control apparatus. R. A. Folsom. 1,540,322; June 2.
Humidor. H. J. Gaisman. 1,540,211; June 2.
Humidor. L. M. Larsen. 1,540,484; June 2.
Hutch for small animals. K. F. O. Haack. 1,540,393; June 2.
Hydroquinone, Manufacturing. H. Emde. 1,540,788; June 2.
Ice can. J. F. Kelley. 1,540,632; June 2.
Ice-making machine, Direct-expansion. W. Stewart. 1,540,039; June 2.
Ice-weighing device. W. E. Swinscoe and G. L. Collins. 1,540,194; June 2.
Identifying apparatus. P. M. Waggener. 1,540,148; June 2.
Ignition apparatus. J. H. Spanburg. 1,540,432; June 2.
Incisal guide. J. A. Lentz. 1,540,639; June 2.
Incubator, Electric. A. J. Staff. 1,540,433; June 2.
Incubator regulator. S. Siperek. 1,540,431; June 2.
Incubators, Egg-turning device for. H. H. Treffer. 1,540,199; June 2.
Indicator: *See*—
Liquid-level indicator.
Ingot mold. T. McNally. 1,540,269; June 2.
Ink cartridge. B. B. Goldsmith. 1,539,942; June 2.
Ink fountain. G. F. Matteson. 1,540,357; June 2.
Innersoles, Machine for tucking and trimming fabric-covered. H. A. Ballard. 1,540,238; June 2.
Insecticide container and distributor. A. P. Treadwell. 1,540,197–8; June 2.
Instrument panel. F. G. Whittington. Des. 67,480–1; June 2.
Insulating brick, Manufacturing heat-. R. C. Williams. 1,540,509; June 2.
Insulator mounting. E. O. Sessions. 1,540,505; June 2.
Interlocking device. J. D. Wood. 1,539,892; June 2.
Internal-combustion engine. E. R. Burtnett. 1,540,458–9; June 2.
Internal-combustion engine. C. S. Clark. 1,540,602; June 2.
Internal-combustion engine. T. A. Hutsell. 1,540,075; June 2.
Internal-combustion engine. E. W. Roberts. 1,540,286; June 2.
Internal-combustion engine. E. H. Sherbondy. 1,539,963; June 2.
Internal four-cycle combustion engine. J. J. Bischoff. 1,540,594; June 2.
Interrupter mechanism. H. H. Clark. 1,540,603; June 2.
Iron: *See*—
Curling iron.
Ironing machines, Folding shelf for. M. E. Porter. 1,540,567; June 2.
Ironing rolls, Padded covering for. K. H. Siever. 1,539,916; June 2.
Jack: *See*—
Lifting jack. Screw lifting jack.
Pump jack.
Jar: *See*—
Rotary jar.
Jars of hard rubber and similar materials, Method and apparatus for making. F. T. Roberts. 1,539,869; June 2.
Joint: *See*—
Leakproof joint.
Keys and the like, Case for. W. R. Buxton. 1,540,598; June 2.
Kitchen utensil. C. G. Reveny. 1,540,284; June 2.
Knife guide, Rope-. W. W. Dymond. 1,540,169; June 2.
Knife handle. W. H. Hurley. 1,540,074; June 2.
Knitting machines, Needle selecting and operating mechanism for circular-. G. Murphy and W. A. Simond. 1,540,493; June 2.
Knob or similar article, Instrument. J. P. Burke. Des. 67,442–4; June 2.
Lace. S. H. Page. Des. 67,471; June 2.
Lamp. P. M. Hoffman and C. and H. H. Doering. 1,540,476; June 2.
Lamp base. W. Abrams. Des. 67,428–40; June 2.
Lamp mounts and similar articles, Making. W. R. Burrows. 1,540,537; June 2.
Lanterns, Burner for hand. G. H. Rolfes. 1,540,036; June 2.
Last. C. M. Searl. 1,540,370–1; June 2.
Latch, Door. O. A. Anderson. 1,540,525; June 2.
Latch, Door-sash. W. Kirn. 1,540,134; June 2.
Latch escutcheon and applying the same. L. Ottinger. 1,540,495; June 2.
Leakproof joint. W. M. Baumheckel. 1,540,240; June 2.
Leg splint. W. A. Pendergraft. 1,539,911; June 2.
Lenses and the like, Holding. E. Culver. 1,539,830; June 2.
License-plate-attaching device, Automobile. L. D. Kroff. 1,540,735; June 2.
Lid holder. A. F. Stodneck. 1,540,375; June 2.
Lifting jack. G. Tucker. 1,539,974; June 2.
Light: *See*—
Flash light.
Lighting-fixture spindle. W. Abrams. Des. 67,441; June 2.
Lighting fixtures, Glass luminaire for. J. A. Comerford. Des. 67,445; June 2.
Linings, Forming protective. E. L. Oliver. 1,540,563; June 2.
Liquid-dispensing apparatus. R. Eades. 1,540,684; June 2.
Liquid-level indicator. C. I. Smith. 1,539,917; June 2.
Liquids, Apparatus for raising. E. Detaint. 1,540,681; June 2.
Lithopone and making same. J. E. Booge. 1,540,456; June 2.
Loading machine. R. P. Greenleaf. 1,540,327; June 2.
Lock: *See*—
Trunk lock. Window lock.
Lock. F. Goertz. Des. 67,457; June 2.
Locomotive, Electric. G. H. F. Holy. 1,539,841; June 2.
Loom. B. T. Steber. 1,540,574–5; June 2.

Loom for weaving mats. N. Brauer. 1,540,595; June 2.
Lubricant from lubricators, Method and mechanism for controlling the discharge of. P. Brown. 1,539,827; June 2.
Lubricating device. P. Thamm. 1,540,577; June 2.
Macaroni drier. J. Vernaci and A., L., and S. Carollo. 1,539,976; June 2.
Magnesium carbonates, Preparation of. S. Gelleri and A. Hambloch. 1,540,391; June 2.
Magnesium extraction. B. E. F. Rhodin. 1,539,955; June 2.
Magnetic lifting device. A. D. Wood. 1,539,891; June 2.
Mail box. J. B. Arial. 1,539,929; June 2.
Mail-sack tag holder. W. R. Miller. 1,540,273; June 2.
Make-and-break device, Pressure-responsive. W. F. Clark. 1,540,315; June 2.
Marine paddle wheel. R. Doehlert, jr. 1,540,257; June 2.
Match safe and ash tray, Combination. H. G. E. Peynolds. 1,540,285; June 2.
Matrix-forming process. G. H. Willis. 1,540,444; June 2.
Measuring apparatus. L. W. Claybourn. 1,539,896; June 2.
Measuring-instrument attachment. A. H. Hitchcock. 1,540,473; June 2.
Measuring machine, Leather-. R. J. McFall. 1,540,351; June 2.
Meat compressor. A. Rispel and L. C. Liedtke. 1,540,186; June 2.
Medical apparatus. B. Allen. 1,540,589; June 2.
Merchandise and advertising display stand, Combination. A. C. Jackson. Des. 67,462; June 2.
Mesh fabric, Ornamenting coat-of-mail. S. G. Mandalian. 1,539,855; June 2.
Metal, Impression. E. J. Conley and G. W. Mullen. 1,539,993; June 2.
Metallic leaf, Machine for applying. G. R. Littlefield. 1,539,853; June 2.
Meter: *See*—
Flow meter.
Meter installation, Flow-. C. F. Bullock. 1,540,533; June 2.
Mill: *See*—
Stone-grinding mill.
Milk-cooling pan. H. A. Grant. 1,540,002; June 2.
Micrometer end-clearance machine. R. B. Wasson. 1,540,378; June 2.
Mixer: *See*—
Concrete mixer.
Mixing machine. J. C. Doidge. 1,540,547; June 2.
Mold: *See*—
Crown mold. Ingot mold.
Golf-ball tee mold.
Mold. C. G. Richards. 1,540,185; June 2.
Molds, Device for reenforcing. J. E. Evans. 1,540,551; June 2.
Moss-cleaning apparatus. W. D. Tyler. 1,540,200; June 2.
Motor: *See*—
Electric motor. Wave motor.
Sewing-machine motor. Wind motor.
Motor-control system. S. B. Schenck. 1,539,872; June 2.
Motor-control system, Induction-. R. E. Hellmund. 1,539,839; June 2.
Mud hook. J. F. Hayden. 1,540,470; June 2.
Municipal service post. O. D. Kleinsteuber. 1,540,403; June 2.
Music-roll end. W. M. Saunders. 1,540,716; June 2.
Musical instruments, Tone clarifier for. W. Scott. 1,539,961; June 2.
Name plate. W. E. Beck. 1,540,455; June 2.
Nasal inhaler. W. J. Moore. 1,540,274; June 2.
Necktie. W. P. Smith. 1,540,037; June 2.
Nest and roost structure. A. H. York. 1,539,893; June 2.
Nonskid chain. J. F. Howerton. 1,540,130; June 2.
Notebook holder. E. M. Anderson. 1,540,524; June 2.
Nut and bolt structure. H. J. Chilton. 1,540,055; June 2.
Oar. J. G. Howard. 1,540,695; June 2.
Oil burner. H. J. Allen. 1,540,672; June 2.
Oil burner. O. C. Kinsolving. 1,540,633; June 2.
Oil burner. E. W. Thomas. 1,540,042; June 2.
Oil-burning apparatus. F. B. Austin. 1,540,675; June 2.
Oil-gas-making apparatus. W. E. L. Calvin. 1,540,541; June 2.
Oils, Refining mineral. W. T. Maloney. 1,540,218; June 2.
Optical-instrument drier. J. O. Jansson. 1,539,846; June 2.
Oscillations, Producing. H. C. Thompson. 1,540,578; June 2.
Oven, Vacuum. M. J. Kelly and T. R. Griffith. 1,540,401; June 2.
Overall hardware. F. N. Ross. 1,540,366; June 2.
Package. C. H. Macdonald. 1,539,854; June 2.
Packing. D. H. Taylor. 1,539,969; June 2.
Packing, Machine for measuring and cutting. C. A. Norvell. 1,540,362; June 2.
Padlock. J. Mataloni. 1,540,488; June 2.
Pan: *See*—
Milk-cooling pan.
Pan-handling tool. D. Reinmiller. 1,540,184; June 2.
Panel board. R. B. Benjamin. 1,540,052; June 2.
Paper and similar material, Machine for coating, glazing, or otherwise treating. E. Pohl. 1,539,952; June 2.
Paper container. A. Moore. 1,540,726; June 2.
Paper hat. W. A. Lorenz. 1,539,946; June 2.
Paper in conical stuff beaters as Jordan engines, Marshall engines, etc., Beating stuff for the manufacturing of. A. E. Ryberg and P. C. Schaanning. 1,540,226; June 2.
Paper roll machine, Order or note. D. L. Cooper. 1,539,994; June 2.
Paper-shell machine. D. D. Huyett. 1,540,336; June 2.
Paper washcloth. W. A. Lorenz. 1,540,268; June 3.
Pen, Fountain. R. Namiki. 1,540,416; June 2.
Pencil. C. R. Keeran and J. P. Lynn. 1,540,018; June 2.
Pencil clip. H. L. Fischer. 1,540,115; June 2.
Perforated sheet. J. M. Fuller. 1,540,325; June 2.
Perfume dispenser. J. M. Merrill. 1,540,082; June 2.
Phonograph. H. E. Thompson. 1,540,376; June 2.
Photographic printing. R. W. Jones. 1,540,399; June 2.
Photo-enlarging machine. C. Kesses. 1,540,340; June 2.
Piano and practice instrument, Combined. B. H. Jefferson and R. H. Waud. 1,540,739; June 2.
Picture frame. K. Klimek. Des. 67,466; June 2.
Picture machine, Motion-. A. C. Macbeth. 1,540,352; June 2.
Picture, Motion. W. F. Fox. 1,540,328; June 2.
Picture projection and apparatus therefor, Motion-. T. H. Marten. Re16,001; June 2.
Picture-transmitting apparatus. L. A. Dunajeff. 1,540,318; June 2.
Pictures, Device for use in viewing motion. A. I. Clymer. 1,540,604; June 2.
Pictures, Making motion. O. R. Hammeras. 1,540,213; June 2.
Pillow cover. S. Shapiro. Des. 67,478; June 2.
Pin: *See*—
Protected pin.
Pin tube. W. S. Hunkins. 1,540,397; June 2.
Pipe: *See*—
Tobacco pipe.
Pipe coupling. L. M. Seaman. 1,540,504; June 2.
Pipe extractor. D. C. Petree. 1,540,566; June 2.
Pipe reamer. H. Kruesheld. 1,540,697; June 2.
Pipes, Making cast-iron. C. W. McWane. 1,540,700; June 2.
Pistol, Repeating cap. K. Kohn. 1,540,344; June 2.
Piston. E. O. Barstow and N. A. Best. 1,540,306; June 2.
Piston. T. Keenan. 1,540,478; June 2.
Piston. C. F. Oberacker. 1,540,562; June 2.
Piston. M. C. White. 1,540,443; June 2.
Piston, Composite. L. B. Spencer. 1,539,883; June 2.
Piston construction. G. N. Hein. 1,540,126; June 2.
Pitting machine, Fruit-. E. A. Meacham. 1,540,138; June 2.
Planting machine. J. W. Furman. 1,540,210; June 2.
Plaque. J. E. Ward. Des. 67,479; June 2.
Plaster wall board, Bound-edge. C. W. Utzman. 1,540,045; June 2.
Plastic composition. R. R. Williams. 1,540,049; June 2.
Plastic materials, Pressure machine for forming articles from. R. F. J. Prather. 1,540,650; June 2.
Plate or similar article. H. E. Ruckert. Des. 67,476; June 2.
Platen. F. C. Vandergrift. 1,539,887; June 2.
Pliers. J. L. Christlieb. 1,540,461; June 2.
Pliers. C. S. Edwards. 1,540,464; June 2.
Plow. S. J. Hunnings. 1,540,782; June 2.
Plow, Scale balance, automatic lift, two-way riding. L. W. Sanders. 1,540,227; June 2.
Plows, Riding attachments for walking. D. C. Hayward. 1,540,625; June 2.
Plug cluster. R. B. Benjamin. 1,540,051; June 2.
Plug, Cluster. C. S. Mallett. 1,540,174; June 2.
Plug, Connection. L. G. Pacent. 1,540,496; June 2.
Poison receptacle, Ant-. M. and E. C. Hanson. 1,540,621; June 2.
Poles or the like from cars, Method and apparatus for unloading. F. A. Brown. 1,540,248; June 2.
Post: *See*—
Municipal service post.
Power transmission. C. R. Buckbee. 1,540,720; June 2.
Power transmission, Fluid. J. E. Crane. 1,540,453; June 2.
Power-transmitting device. O. E. Jorgensen. 1,540,014; June 2.
Precision instruments, etc., Mechanism for preventing backlash in. G. Walker. 1,540,149; June 2.
Press. K. P. Maton. 1,540,358; June 2.
Pressing machines, Steaming attachment for. H. C. Hoting. 1,540,071; June 2.
Printed fabric. C. Scheffres. Des. 67,477; June 2.
Printed sheets, Drying mechanism for. A. V. Feistel and J. W. Bocks. 1,540,687; June 2.
Printing machine, Plate-. E. P. Sheldon. 1,540,232; June 2.
Printing materials, Apparatus for and method of. W. F. Roehlen. 1,540,287; June 2.

Printing presses, folding machines, and the like, Device for feeding sheets to. G. Spiess. 1,539,918; June 2.
Printing telegraph machine, Page-. D. Murray. 1,540,727; June 2.
Prints from copper cylinders, Press for producing multicolored. F. O. V. Praitteur. 1,540,196; June 2.
Propeller. W. G. G. Weidinger. 1,540,728; June 2.
Protected pin. D. A. Boswell. 1,540,531; June 2.
Puller: *See*—
Car puller. Stump puller.
Pump, Automatic tire. H. F. Harvey. 1,539,900; June 2.
Pump base. O. P. Beard. 1,540,383; June 2.
Pump, Centrifugal. P. G. Bogdanoff. 1,540,530; June 2.
Pump, Deep-well power. A. J. Nicholas. 1,540,704; June 2.
Pump, Dispensing. J. B. Davis. 1,540,723; June 2.
Pump jack. C. P. Laughter. 1,540,638; June 2.
Pump-rod suspension device. W. D. Chappuis. 1,540,101; June 2.
Pumps, Housing for motor attachment for measuring. E. A. Malherbe. Des. 67,467; June 2.
Pumps, Packing for. D. B. Gentry. 1,539,941; June 2.
Purses and bags, Catch for the flaps of. S. Ortweiler. 1,540,082; June 2.
Pyroxylin sheets, Apparatus for making. T. H. Stackhouse. 1,540,094; June 2.
Quill. J. G. Beatley. 1,540,806; June 2.
Radiator. T. Savary. 1,540,653; June 2.
Radiator and making same. E. Flory. 1,540,390; June 2.
Radiator core. W. J. Keith. 1,540,479; June 2.
Radiator cover. C. W. Lewis. 1,540,847; June 2.
Radiator cover. F. W. and J. H. Piehl and P. F. Timmermann. 1,540,700; June 2.
Radiators, Shutter apparatus for. J. F. Raleigh. 1,540,280; June 2.
Radiocabinet. H. Gernsback. Des. 67,451–2; June 2.
Radiocabinet and table lamp, Combined. H. E. Durinck. Des. 67,446; June 2.
Radio receiving apparatus. G. O. Wilkinson. 1,539,889; June 2.
Rail anchor. H. G. Gillmor. 1,540,613–14; June 2.
Rail, Compound. F. Henrich and J. Eskestrand. 1,540,332; June 2.
Rail end and head support. E. M. Fitzgerald. 1,540,468; June 2.
Rails, Making steel. W. L. Merrill. 1,540,558; June 2.
Railway cars, Draft gear for. W. J. Regan. 1,540,282; June 2.
Railway-crossing signal. J. D. Swancy, sr. 1,540,233; June 2.
Railway-crossing stop. E. O. and S. A. Presnell. 1,539,953; June 2.
Railway rail. P. G. Seigle and G. E. Dean. 1,540,188; June 2.
Railway-track instrument. R. A. Fry. 1,539,930; June 2.
Railway tracks, Cattle guard for. I. Harmata. 1,540,469; June 2.
Railway-traffic-controlling apparatus. H. A. Wallace. 1,540,579; June 2.
Railway-traffic-controlling apparatus. L. O. Grondahl. 1,539,944; June 2.
Rain-water cut-off. T. F. Crary. 1,540,606; June 2.
Range, Kitchen. J. F. Dale and M. Richardson. 1,539,897; June 2.
Razor, Safety. J. B. de Mesquita. 1,540,731; June 2.
Reactance. D. J. Angus. 1,539,928; June 2.
Reaming machine. L. G. McMullen. 1,540,699; June 2.
Receiver. E. B. Nowosielski. 1,540,222; June 2.
Receptacle closure. G. F. Anderson. 1,540,301; June 2.
Receptacle closure. G. F. Anderson. 1,540,303; June 2.
Receptacle inclosure. M. Klein. Des. 67,484; June 2.
Receptacles, Manufacturing closures for. G. F. Anderson. 1,540,302; June 2.
Reel: *See*—
Clothesline reel.
Reflector heater. C. W. Homeyer. 1,540,007; June 2.
Refrigeration machines, Spray nozzle for. W. Stewart. 1,540,040; June 2.
Refrigeration, Mechanical. C. C. Spreen. 1,540,717; June 2.
Refrigerator. H. A. Grant. 1,540,001; June 2.
Register: *See*—
Stock register.
Regulator: *See*—
Automatic regulator. Incubator regulator.
Gas regulator. Speed regulator.
Regulator system. E. E. Lehr. 1,539,852; June 2.
Relay, Surge-detecting. H. P. Sparkes. 1,539,880; June 2.
Reservoir and brake valve, Diaphragm. A. B. Kendall. 1,540,017; June 2.
Retort. E. G. Stone. 1,540,662; June 2.
Retort cleaner, Zinc-. S. Kovačević. 1,540,636; June 2.
Rigging, Release. G. G. Gilpin. 1,539,999; June 2.
Ring. J. L. Coleman. Des. 67,483; June 2.
Road-scarifying and stone-removing vehicle. F. E. York. 1,540,729; June 2.
Rock drills, Screen for. K. O. Duncan. 1,540,167; June 2.
Rod: *See*—
Connecting rod.
Roof collar. A. R. Smith. 1,540,192; June 2.
Roll crushing machines, Driving system for. A. G. McGregor. 1,539,948; June 2.
Roller fastener, Automatic. J. J. Morrow. 1,539,858; June 2.
Rolling mills, Preventing accidents with. J. H. Hunter. 1,540,010; June 2.
Rotary jar, Rotating. C. E. Thomas. 1,540,436; June 2.
Rotating elements, Apparatus for averaging velocities of. G. Walker. 1,540,151; June 2.
Rubber, Vulcanizing. R. M. Warner. 1,540,580; June 2.
Rubbers, Toe spring for. M. J. Newhouse. 1,540,646; June 2.
Rug and strand therefor. O. T. Waite. 1,540,046; June 2.
Saddle-stitcher attachment. H. Ehlig. 1,540,519; June 2.
Safety hook. R. Mestars. 1,540,030; June 2.
Safety operating mechanism. H. De Smith. 1,540,517; June 2.
Sash and door clamping machines, Measuring and squaring device for. E. M. Harris. 1,540,622; June 2.
Sash, Combination window. F. O. Allman. 1,539,927; June 2.
Sausage-filling machine. F. Hennes. 1,539,901; June 2.
Saw, Crescent. E. P. Arneau. 1,539,818; June 2.
Saw frame, Back-. A. Lewis. 1,540,026; June 2.
Saw guide, Band-. J. Rush. 1,539,958; June 2.
Saw, Hack. A. G. Voltz. 1,540,201; June 2.
Saw, Portable. J. M. Crowe. 1,540,388; June 2.
Scale. H. M. Cameron. 1,539,934; June 2.
Scale, Spring-balance or other self-indicating. J. B. White. 1,540,298; June 2.
Scarfpin or similar article. M. Faigin. Des. 67,450; June 2.
Screw lifting jack. J. M. Cantwell. 1,540,511; June 2.
Screw, Temper. J. Burns. 1,540,597; June 2.
Scriber, Protracting. A. Deatombes. 1,540,462; June 2.
Scrubbing and cleaning implement. A. P. Winiarski. 1,539,983; June 2.
Seat: *See*—
Adjustable seat. Convertible seat.
Seat back. A. B. Glaser. 1,540,725; June 2.
Sectional roll. H. G. Alexander. 1,540,588; June 2.
Selective switch. E. D. Conway. 1,540,059; June 2.
Separator: *See*—
Battery separator. Gold separator.
Sewing-machine motor, Portable electric. T. C. Weiss. 1,540,740; June 2.
Sewing machines, Bobbin-case latch for. G. W. Nelson. 1,539,859; June 2.
Sewing machines, Stop mechanism for. G. W. Nelson. 1,539,860; June 2.
Shaft connection. H. W. Krag. 1,540,481; June 2.
Sharpener. W. R. Long. 1,540,078; June 2.
Sharpener, Drill. P. H. Scheib and H. C. Gastafson. 1,540,187; June 2.
Sharpening apparatus, Drill-steel-. A. H. Sinor and O. E. Clark. 1,540,191; June 2.
Sheet holder. F. T. Hammerle. 1,540,120; June 2.
Sheet-metal vessels, Manufacturing. E. Schröder. 1,540,572; June 2.
Shelf-supporting bracket. J. H. Balmer. 1,540,677; June 2.
Ships and like vessels, Propulsion of. H. Clay. 1,540,056; June 2.
Ships' instruments and other precision instruments, Escape mechanism for. G. Walker. 1,540,150; June 2.
Shock absorber. W. T. Ashton. 1,540,674; June 2.
Shock absorber. L. E. Beougher. 1,540,243; June 2.
Shock absorber. J. B. Kirby. 1,540,241; June 2.
Shoe form. S. Hickel. 1,540,334; June 2.
Shoe protector. F. W. Bultmann. 1,540,524; June 2.
Shoes, Insole for. W. R. Sims. 1,540,480; June 2.
Shooting gallery. F. D'Onofrio. 1,540,166; June 2.
Shrinker, Rotary. J. L. Ferguson. 1,540,321; June 2.
Shuttle, Sewing-machine. H. G. Johnson. 1,540,336; June 2.
Sign-display board. F. L. Overton. Des. 67,470; June 2.
Signal: *See*—
Railway-crossing signal.
Signaling system. D. M. Taggart. 1,539,920; June 2.
Silver-cleaning apparatus. A. W. Nelson. 1,540,220; June 2.
Skin rest. B. P. Bohacek. 1,540,203; June 2.
Slug guide. H. C. Allen. 1,540,235; June 2.
Snap switch. C. Aalborg. 1,539,819; June 2.
Snap switch. H. K. Krantz. 1,539,851; June 2.
Sock or half hose. H. L. Kinne. 1,540,020; June 2.
Socket, Pull-switch. C. E. Warner. 1,540,377; June 2.
Sodium sulphide, Manufacture of. L. A. Pratt and J. H. Clarke. 1,540,711; June 2.
Sound, Method of and apparatus for recording. E. B. Craft and E. H. Colpitts. 1,540,317; June 2.
Sound reproducer. H. Scharf. 1,540,229; June 2.
Sound transmitter. F. A. Watkins. 1,540,506; June 2.
Spark arrester. J. Hussarik. 1,540,629; June 2.
Spark plug and adapter therefor, Threadless. H. Munroe. 1,540,180; June 2.
Spectacle bridge rest. C. W. Holmes and S. C. Hassler. 1,540,627; June 2.
Speed regulator, Centrifugal. F. W. Merrill. 1,540,272; June 2.
Speed transmission mechanism, Variable-. F. A. Hayes. 1,540,124; June 2.
Speedometer-driving mechanism. G. P. Henry. 1,540,395; June 2.

Sphygmomanometer. G. F. Beschker. 1,540,241; June 2.
Spinning machine. J. G. Chapman. 1,540,163; June 2.
Sponge cup. F. S. Weaver. 1,540,379; June 2.
Spool. H. O. Taft. 1,540,663; June 2.
Spoon holder. O. P. and N. M. Hall. 1,540,394; June 2.
Spoon or similar article. P. J. Gordon. Des. 67,458–9; June 2.
Spring: *See*—
Automobile door spring.
Spring cover. G. Debenedetti. 1,540,730; June 2.
Staking tool. L. J. Williams. 1,539,890; June 2.
Stamping device, Electrically-operated. C. S. Dutton. 1,540,168; June 2.
Stanchion, Cattle. H. P. Hanson. 1,540,620; June 2.
Stand: *See*—
Switch stand.
Steam boilers, Automatic fuel cut-off for. T. H. Roland. 1,540,224; June 2.
Steering arrangement. E. Luchsinger. 1,540,079; June 2.
Steering attachment. G. K. Dawson and H. R. Luce. 1,540,608; June 2.
Steering mechanism for vehicles. J. H. Clark. 1,539,936; June 2.
Steering wheel. H. E. Sheller. 1,540,292; June 2.
Stencil-operating machine. C. Eckman. 1,540,207; June 2.
Stethoscope, Electrical. R. B. Abbott. 1,540,585; June 2.
Stock register. J. P. Swift. 1,539,919; June 2.
Stoker, Underfeed mechanical. W. J. H. Dipleck. 1,540,546; June 2.
Stone-grinding mill. H. Dourif. 1,540,258; June 2.
Storage battery. R. N. Chamberlain. 1,540,252; June 2.
Storage tanks, Bleeder for liquid. C. S. Crickmer. 1,540,206; June 2.
Stove. T. Matsumoto. 1,540,411; June 2.
Stove, Camp. A. C. Stone. 1,540,434; June 2.
Stove, Portable. R. T. Hugo and F. G. Klinert. 1,540,073; June 2.
Stove, Portable camp. F. G. Klinert. 1,540,077; June 2.
Stovepipe. J. L. Hemp. 1,540,471; June 2.
Straw-burning device. F. O. Armstrong. 1,540,382; June 2.
Strip-serving machine. T. R. Gautier. 1,540,724; June 2.
Stuccoing and plastering machine. R. Morelli. 1,540,415; June 2.
Stump puller. G. H. Jenkins. 1,540,018; June 2.
Sugar refiner and scraper or unloader therefor. M. C. Meikle. 1,540,645; June 2.
Surgical instruments, Universal handle for. E. C. Day. 1,539,831; June 2.
Suspenders, Invisible. J. J. Flinx. 1,540,114; June 2.
Swimming device. A. B. Samuels. 1,540,368; June 2.
Swing. E. Camm and J. W. Wright. 1,540,540; June 2.
Swing, Rocker. A. Wurdack. Des. 67,482; June 2.
Switch: *See*—
Electric switch. Telephone-exchange line switch.
Selective switch. Thermal-responsive manually-operable switch.
Snap switch.
Switch stand. G. Ashton. 1,540,156; June 2.
Switchboard structure. W. H. Kempton. 1,539,847; June 2.
Switches, Ling bar for crossbar line. A. C. Magrath. 1,540,080; June 2.
Switching mechanism. O. F. Forsberg. 1,540,068; June 2.
Syringe. B. E. Klett. 1,540,215; June 2.
Syringe, Hypodermic. G. N. Hein. 1,540,125; June 2.
Table: *See*—
Dining and billiard table. Extension table.
Table and crane, Auto. K. B. Harvey. 1,540,068; June 2.
Table and lamp standard, Combined. G. January. 1,540,012; June 2.
Table clamp. C. G. Johannesmeyer and A. R. McCann. 1,540,132; June 2.
Tag, Wire. E. A. Everett and F. B. Weigand. 1,540,320; June 2.
Talking machine. W. E. Smith. 1,540,092; June 2.
Talking machines, Stop mechanism for. W. D. La Rue. 1,540,407; June 2.
Tank wagons, Self-closing faucet for. A. W. Wheaton, jr. 1,540,736; June 2.
Target for trap shooting and the like. W. D. Verschoyle. 1,539,977; June 2.
Teledynamic control, System of. J. H. Hammond, jr. 1,540,121; June 2.
Telegraph receiving apparatus. A. Clausing. 1,540,387; June 2.
Telegraphic dispatch, Apparatus for the production of cipher documents especially for. A. G. Damm. 1,540,107; June 2.
Telegraphy, Printing. M. P. Chaplin. 1,540,313; June 2.
Telegraphy, Printing. H. Pfannenstiehl. 1,540,710; June 2.
Telegraphy, Signal-sending apparatus in wave. L. Pungs. 1,540,712; June 2.
Telephone-call distribution system. G. Deakin. 1,540,060; June 2.
Telephone circuits. W. T. Powell. 1,540,421; June 2.
Telephone-exchange line switch. C. D. Richard. 1,540,034; June 2.
Telephone-exchange system. W. W. Carpenter. 1,540,054; June 2.
Telephone-exchange system. C. B. Fowler. 1,540,064; June 2.
Telephone-exchange system. C. L. Goodrum. 1,540,066; June 2.
Telephone-exchange system, Machine-switching. L. Polinkowsky. 1,540,083; June 2.
Telephone instruments, Switch hook for substation. J. Erickson. 1,540,260; June 2.
Telephone system. A. H. Dyson. 1,540,061–2; June 2.
Telephone system. W. Pinell. 1,540,087; June 2.
Telephone system. A. E. Reinke. 1,539,866; June 2.
Telephone system. H. S. Turner. 1,540,042; June 2.
Telephone system, Automatic. W. T. Powell. 1,540,419–20; June 2.
Telephone-system, Multioffice. B. D. Willis. 1,539,925; June 2.
Telephone trunking system, Automatic. W. T. Powell. 1,540,418; June 2.
Telescopes, Checking-eyepiece attachment for gun-sight. H. A. Orr. 1,540,082; June 2.
Tent attachment. J. F. McGill. 1,539,937; June 2.
Testing device. J. R. Cochrane. 1,539,937; June 2.
Testing system. L. J. Bowne. 1,540,310; June 2.
Thermal-responsive device. C. I. Hall. 1,540,693; June 2.
Thermal-responsive manually-operable switch. C. I. Hall. 1,540,692; June 2.
Thermostatic and time-controlled device, Automatic. G. W. Collin. 1,540,058; June 2.
Tie: *See*—
Bow tie. Braided tie.
Tile, Building. G. Ey. 1,540,686; June 2.
Tire carrier and rim tool. F. H. Schofield. 1,540,503; June 2.
Tire-valve attachment. W. H. Pratt. 1,539,865; June 2.
Tire, Wheel. M. C. Ukman. 1,540,044; June 2.
Tires, Spring core for. G. H. Truman. 1,540,668; June 2.
Titanic oxide from titanium-nitrogen compounds, Recovering. P. Farup. 1,539,996; June 2.
Toasters, Automatic temperature control for bread. F. B. and A. O. Hurxthal. 1,540,628; June 2.
Tobacco pipe. R. Maeda. 1,540,028; June 2.
Toboggan. S. E. Kohl. 1,540,635; June 2.
Toffee, candy, or like sweetmeat, Machine for shaping or cutting. H. E. Martin and R. A. Harris. 1,540,410; June 2.
Toilet article. M. Zerilli. 1,540,202; June 2.
Tongs. J. P. Herrick. 1,540,694; June 2.
Tongs, Pipe. E. E. Greve. 1,539,943; June 2.
Tool. R. S. Squire. 1,540,373; June 2.
Tool, Combination. O. Peterson. 1,539,912; June 2.
Tool handle, Replaceable. W. F. Bassett. Re16,088; June 2.
Tool or other device by a predetermined amount, Mechanism for setting or displacing a. E. K. Hunter and J. R. C. August. 1,540,741; June 2.
Tools, Locking device for fluid-pressure. E. W. Stevens. 1,540,374; June 2.
Toy. F. G. Treubig. 1,540,440; June 2.
Toy automobile, Electrically-propelled. R. J. Frick. 1,540,170; June 2.
Toy boat. A. Kleinoble. 1,539,906; June 2.
Toy headlight. M. Caruso. 1,539,992; June 2.
Toy, Sounding. G. H. Parsons. 1,540,708; June 2.
Tractor attachment. D. F. Kirchhoff. 1,540,634; June 2.
Tractor attachment. P. Milner. 1,540,418; June 2.
Tractor wheels, Traction device for. C. L. Curtis. 1,540,544; June 2.
Tractors, Grader attachment for. L. B. Callison and R. J. Erlandson. 1,540,161; June 2.
Tractors, Power cranking device for Fordson. A. B. Seppmann. 1,540,656; June 2.
Traffic-signal casing. E. E. East. Des. 67,448; June 2.
Traffic signal for automobiles. F. Okamoto. 1,539,950; June 2.
Trailers, Steering mechanism for. A. G. and F. T. Heuer. 1,540,472; June 2.
Train-control system with roadside apparatus, Induction. A. G. Shaver. 1,539,877; June 2.
Trains, Automatic register and controller for. H. Karl. 1,540,696; June 2.
Transformer. P. M. Hengstenberg. 1,539,840; June 2.
Transformer and converter, Combined stationary. H. M. and H. D. Abernathy. 1,540,236; June 2.
Transformer bracing. M. E. Skinner. 1,539,878; June 2.
Transformer cooling system. S. Q. Hayes. 1,539,837; June 2.
Transformers, Apparatus for cooling. L. H. Burnham. 1,540,536; June 2.
Transmission and bearing, Combined. B. F. Seymour. 1,540,189; June 2.
Transmission over power circuits, Carrier. R. K. Honaman. 1,539,902; June 2.
Trap: *See*—
Animal trap. Flytrap.
Trap or snare for animals. E. G. Lewis. 1,540,640; June 2.
Tree-branch holder. S. J. Kratzel. 1,540,637; June 2.
Tricycle. C. Mayer. 1,540,271; June 2.
Trolley, Pantograph. W. Schaake. 1,539,871; June 2.
Trolley wheel. F. W. Sakon. 1,540,652; June 2.

Trough, Feed. D. E. Speicher and E. C. Faust. 1,540,573; June 2.
Truck attachment. B. W. Britton. 1,539,933; June 2.
Truck, Dump. P. E. Barker. 1,540,527; June 2.
Truck hoist. J. Klinkhammer. 1,549,135; June 2.
Trucks, Box for bobbin. A. D. Ramsay. 1,540,422; June 2.
Trunk fixture. R. L. Wilt. 1,540,449; June 2.
Trunk lock. M. Rasmussen. 1,540,088; June 2.
Trunk, Wardrobe. E. W. Hawley. 1,540,331; June 2.
Trunking switches, Make-busy arrangement for secondary. J. I. Bellamy. 1,540,159; June 2.
Truss. J. S. Birch. 1,540,593; June 2.
Truss, Flexible. R. B. Respess. 1,539,954; June 2.
Tube: *See*—
Collapsible tube. Combustion tube.
Collapsible or deformable tube. Pin tube.
Tubes, Apparatus for producing self-hooping effects in metal. E. Schneider. 1,540,654; June 2.
Tubing, Making boiler. G. May. 1,540,270; June 2.
Tubular bodies from concrete, Process and apparatus for manufacturing. H. Siegwart. 1,539,964; June 2.
Typewriters and the like, Attachment for. C. V. Shipley. 1,540,429; June 2.
Typewriters, Paper-supply holder for. A. A. Miller. 1,540,359; June 2.
Typewriting machines, Line indicator for. V. Kobler-Stauder. 1,540,342; June 2.
Underreamer. J. S. Brown. 1,539,990; June 2.
Utensils, Detachable handle for. W. C. Maurer. 1,540,358; June 2.
Vacuum cleaner. S. J. Boyer. 1,540,099; June 2.
Vacuum cleaner. J. T. Hume. 1,539,843; June 2.
Vacuum-tube-testing device. R. C. Mathes. 1,540,355; June 2.
Valve. H. W. Blaisdell. 1,540,529; June 2.
Valve. F. Cain. 1,540,539; June 2.
Valve. W. G. Wilson. 1,540,380; June 2.
Valve attachment. J. E. Carroll. 1,540,512; June 2.
Valve, Choke. C. E. Frazier. 1,540,209; June 2.
Valve device, Flush-. E. L. Kellan. 1,540,400; June 2.
Valve, Flush. H. F. Hudson. 1,540,214; June 2.
Valve, Flushing. J. F. Langston. 1,540,267; June 2.
Valve mechanism, Check-. S. L. Kneass. 1,540,216; June 2.
Valve, Sealed. J. J. Cavett. 1,540,513; June 2.
Vanadium, Extracting. A. Wittig. 1,540,154; June 2.
Vane, Guide. P. J. Rees. 1,540,423; June 2.
Vanity case. J. J. Cosin. 1,540,665; June 2.
Vanity case. E. W. Loesser. 1,540,348–9; June 2.
Vanity case. J. Nathanson. Des. 67,460; June 2.
Vaporizer. L. M. Higgins. 1,540,626; June 2.
Variocoupler. H. Reifel. 1,540,145; June 2.
Vehicle bodies, Spring support for. J. E. Simmons. Re. 16,069; June 2.
Vehicle, Dumping. T. Severs. 1,539,876; June 2.
Vehicle, Motor. J. A. Angiadn. 1,540,526; June 2.
Vehicle-raising and rim jack and hub-cap wrench, Combined. E. A. Pohlman and J. Lovell. 1,540,497; June 2.
Vehicle wheel. G. P. Thomas. 1,540,437; June 2.
Vehicles, Anchorage device for. W. W. Blakely. 1,539,931; June 2.
Vehicles, Automatic starter for motor-driven. P. B. Pelto. 1,540,565; June 2.
Vehicles, Brake attachment for motor. W. A. Partie. 1,539,862; June 2.
Vehicles, Combination receptacle and table for. G. W. Kirkpatrick and J. A. Caldwell. 1,540,133; June 2.
Vehicles, Folding top for motor. E. Dickman. 1,539,995; June 2.
Vehicles, Hand actuating means for foot pedals of motor. M. B. Farmer. 1,540,261; June 2.
Vehicles, Power-transmitting attachment for motor. A. Kohl. 1,540,404; June 2.
Vehicles, Removable drawbar for. C. L. Schaeider and H. C. Fruehauf. 1,540,502; June 2.
Vehicles, Stop signal for motor. F. C. Smith. 1,539,965; June 2.
Vehicles, Ventilator for passenger. E. L. Ford. 1,539,998; June 2.
Vending machine. J. Riikonen. 1,540,715; June 2.
Vending machine, Coin-controlled. R. Felton. 1,540,389; June 2.
Ventilation apparatus. W. A. Baker and F. A. Ramier. 1,540,305; June 2.
Ventilator. H. Respess. 1,540,569; June 2.
Voltage regulating apparatus. C. R. Beall. 1,540,307; June 2.
Vulcanizer, Tube-plate. C. W. Campbell. 1,539,828; June 2.
Vulcanizing apparatus. C. A. Myers. 1,540,219; June 2.
Walls and ceilings, Device for cleaning. H. A. Martin. 1,539,857; June 2.
Walls, Plaster support for. F. S. Hutchinson. 1,539,844; June 2.
Warps, Machine for sizing. C. B. Johnson. 1,540,265; June 2.
Washing machine. P. E. Barker. 1,539,824; June 2.
Washing machine. G. T. Bryan. 1,540,386; June 2.
Washing machine. G. E. Randlee. 1,540,498–0; June 2.
Water heater. P. J. Mooney. 1,540,380; June 2.
Water heater. R. E. Newell. 1,540,361; June 2.
Wave motor. B. Roldan G. 1,540,364; June 2.
Wave signaling system. E. H. Armstrong. 1,539,820–2; June 2.
Weeder and cultivator, Combined. M. S. Carter. 1,540,100; June 2.
Weeding. A. Scheuchzer. 1,540,427; June 2.
Welding apparatus, Arc-. P. O. Noble. 1,540,705; June 2.
Well apparatus. J. Bergsten. 1,540,245; June 2.
Well-boring drill. M. J. Hannan. 1,540,619; June 2.
Well-packer plug. H. C. Thrift. 1,540,195; June 2.
Wells, Heating device for oil. R. S. Pershing. 1,540,648; June 2.
Wheel: *See*—
Disk wheel. Trolley wheel.
Marine paddle wheel. Vehicle wheel.
Steering wheel.
Wheel-spoke blanks, Manufacture of vehicle. W. N. Booth. 1,539,932; June 2.
Wheels, Quartering device for locomotive. H. Eisele. 1,540,319; June 2.
Windmill. A. Debay. 1,540,609; June 2.
Windmill. G. F. Ormsbee. 1,540,707; June 2.
Wind motor. B. F. Williams and W. S. Schlotzhauer. 1,540,583; June 2.
Windshield-glass-retaining clip. T. F. Eustace. 1,540,113; June 2.
Winding machines, Cone support for. F. C. Todd. 1,539,972; June 2.
Window guard. T. W. Houston. 1,540,129; June 2.
Window holder, Casement-. E. L. Martin. 1,539,856; June 2.
Window lock, Ventilating. L. T. Ward. 1,540,442; June 2.
Window sashes and the like, Stop for sliding. G. F. Hight and T. W. Brown. 1,540,475; June 2.
Window stop. E. L. Wood. 1,540,450; June 2.
Windows and the product thereof, Composition for making flexible, transparent, waterproof. K. L. Weber. 1,540,152; June 2.
Windows, Mounting of store. M. Kats. 1,540,016; June 2.
Wire clamp. N. Jackson. 1,540,398; June 2.
Wire-grounding device. F. A. Brown. 1,540,249; June 2.
Wood grinder. R. Lang. 1,540,483; June 2.
Wrapping machine. F. F. Feldhaus and R. H. Noah. 1,540,465; June 2.
Wrench: *See*—
Adjustable wrench.
Wrench. W. T. Long. 1,540,642; June 2.
Zirconium compounds, Making. L. W. Ryan. 1,540,425; June 2.

CLASSIFICATION OF PATENTS

ISSUED JUNE 2, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 4: 1,540,660
7: 1,540,519
8.2: 1,539,952
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2— 3: 1,540,345
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172: 1,540,405
224: 1,540,557
236: 1,540,005
240: 1,540,020
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31: 1,540,091
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115: 1,540,212
337: 1,540,685
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44: 1,540,189
183— 2: 1,539,989
154— 45.9: 1,540,045
155— 7: 1,539,971
1,540,057
22: 1,540,256
67: 1,540,540
88: 1,540,616
133: 1,540,725
142: 1,540,337
158— 27.4: 1,540,676
28: 1,540,672
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63: 1,540,733
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179: 1,539,872

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173— 273: 1,540,249
321: 1,540,504
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1,540,460
95: 1,540,123
100: 1,540,684
102: 1,539,917
107: 1,540,165
224— 20: 1,540,503
229— 5.5: 1,540,726
17: 1,539,985
20: 1,539,875
1,540,369
230— 14: 1,540,530
233— 45: 1,539,929
234— 21: 1,539,978
235— 58: 1,540,162
61: 1,540,151
1,540,737
91: 1,540,019
104: 1,540,149
144: 1,539,919
236— 26: 1,540,607
44: 1,540,323
46: 1,540,058
99: 1,540,035
237— 16: 1,540,653
238— 8: 1,539,953
145: 1,540,188
146: 1,540,332
244: 1,540,466
330: 1,540,612
1,540,613
1,540,614
240— 1: 1,540,133
7: 1,539,902
41: 1,540,234
45: 1,540,298
45.6: 1,540,673
48.4: 1,540,476
51: 1,540,015
59: 1,540,372
61: 1,540,599
62: 1,540,309
241— 33: 1,540,114
243— 2: 1,539,825
6: 1,540,485
69: 1,540,716
96: 1,540,244
98: 1,540,429
120: 1,540,308
124: 1,540,663
130: 1,539,972
244— 12: 1,540,105
19: 1,540,706
25: 1,540,667
29: 1,540,104
1,540,438
31: 1,539,954
246— 34: 1,539,944
1,540,579
63: 1,539,877
122: 1,540,696
129: 1,540,171
251: 1,539,939
298: 1,540,469
294: 1,540,233
411: 1,540,156
247— 20: 1,540,330
43.7: 1,540,163
249— 18: 1,540,677
38: 1,540,025
49: 1,540,291
250— 17: 1,540,712
27: 1,540,355
36: 1,540,578
41: 1,540,176
251— 25: 1,540,529
27: 1,540,513
48: 1,540,530
129: 1,540,031
159: 1,540,501
167: 1,540,389
253— 11: 1,540,364
253— 122: 1,540,423
254— 86: 1,539,974
100: 1,540,497
102: 1,540,511
161: 1,540,587
180: 1,540,013
255— 15: 1,540,597
22: 1,539,908
1,540,683
61: 1,540,619
63: 1,540,047
1,540,048
75: 1,539,990
257— 55: 1,540,209
120: 1,540,479
132: 1,540,709
136: 1,540,347
191: 1,540,536
251: 1,540,208
259— 109: 1,540,347
260— 11: 1,540,117
44: 1,540,164
57: 1,540,467
60: 1,540,732
72: 1,540,485
87: 1,540,664
94: 1,540,665
1,540,666
124: 1,540,510
154: 1,540,738
265— 14: 1,540,515
15: 1,539,879
28: 1,540,205
266— 27: 1,540,298
65: 1,540,194
68: 1,539,984
268— 4: 1,539,848
7: 1,539,973
17: 1,540,243
30: 1,540,674
30: 1,540,500
37: 1,540,730
46: R.16,089
53: 1,540,734
269— 9: 1,539,960
270— 44: 1,540,221
58: 1,540,359
271— 38: 1,539,918
273— 1: 1,540,299
5: 1,540,316
33: 1,540,253
35: 1,540,350
275— 1: 1,540,670
77: 1,540,550
80: 1,540,559
101: 1,540,166
123: 1,540,343
130: 1,540,230
135: 1,540,288
146: 1,539,905
152: 1,540,085
1,540,324
274— 10: 1,540,276
18: 1,540,092
277— 6: 1,540,076
30: 1,540,181
53: 1,540,279
44: 1,540,216
279— 102: R.16,088
280— 31: 1,540,065
33.5: 1,540,463
1,540,502
33.9: 1,540,413
33.15: 1,540,426
35: 1,539,986
50: 1,540,422
57: 1,539,933
82: 1,540,477
91: 1,539,936
104: 1,540,289
281— 4: 1,540,228
11: 1,539,904
34: 1,540,297
282— 31: 1,540,192
107: 1,540,512
144: 1,540,504
150: 1,540,251
286— 7: 1,539,941
287— 49: 1,540,398
290— 2: 1,540,237
292— 28: 1,540,088
73: 1,540,029
74: 1,540,475
178: 1,540,052
194: 1,540,450
302: 1,540,005
221: 1,539,858
227: 1,540,134
246: 1,540,480
302: 1,539,856
1,540,651
277: 1,540,442
340: 1,540,525
357: 1,540,495
303— 55: 1,539,873
1,539,894
1,539,970
1,539,981
1,540,011
304— 21: 1,540,142
1,540,143
28: 1,540,184
44: 1,540,464
88: 1,540,436
91: 1,540,101
97: 1,540,566
99: 1,540,694
305— 45: 1,540,103
47: 1,540,262
84: 1,540,113
108: 1,539,995
306— 1: 1,540,527
35: 1,539,876
308— 64: 1,539,982
65: 1,540,414
112: 1,540,506
309— 20: 1,540,017
310— 10: 1,540,067
13: 1,540,544
306— 3: 1,540,326
6: 1,540,139
308— 3: 1,540,131
1,540,132
7: 1,540,169
11: 1,540,720
72: 1,540,072

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme Brick Company, Fort Worth, Tex. Brick. 199,426; June 9; Serial No. 207,333; published Mar. 3, 1925.

Acme Brick Company, Fort Worth, Tex. Brick. 199,427; June 9; Serial No. 207,331; published Mar. 3, 1925.

Ahrens Publishing Co., Inc., New York, N. Y. Book. 199,381; June 9; Serial No. 206,269; published Mar. 17, 1925.

Air Conditioning & Engineering Co., The, St. Louis, Mo. Heating, ventilating, and air-conditioning apparatus. 199,494; June 9; Serial No. 186,098; published Mar. 24, 1925.

Ajax Rubber Company, Inc., Millbrook, N. Y. Tires. 199,429; June 9; Serial No. 207,282; published Mar. 3, 1925.

Allen-Bradley Company, Milwaukee, Wis. Electrical condensers. 199,513; June 9; Serial No. 208,444; published Mar. 24, 1925.

Allwood Lime Company, Manitowoc, Wis. Hydrated lime. 199,446; June 9. Serial No. 206,987; published Mar. 24, 1925.

Altman, B., & Co., New York, N. Y. Ladies' underwear. 199,303; June 9; Serial No. 209,605; published Mar. 31, 1925.

American Asphalt Roof Corporation, Kansas City, Mo. Roofing. 199,435; June 9; Serial No. 207,117; published Feb. 24, 1925.

American Asphalt Roof Corporation, Kansas City, Mo. Asphalt roofing in sheets, rolls, and shingles. 199,436; June 9; Serial No. 207,116; published Mar. 24, 1925.

American Asphalt Roof Corporation, Kansas City, Mo. Roof asphalt. 199,437; June 9; Serial No. 207,115; published Mar. 24, 1925.

American Fabric Co., Inc., Providence, R. I. Radiocords and electrical cords. 199,468; June 9; Serial No. 207,544; published Mar. 24, 1925.

American Factors, Limited, Honolulu, Hawaii, and San Francisco, Calif. Rice. 199,309; June 9; Serial No. 204,741; published Mar. 17, 1925.

American Furnace Company, St. Louis, Mo. Furnaces and heaters. 199,327; June 9; Serial No. 206,207; published Mar. 17, 1925.

American Milling Company, Peoria, Ill. Dairy, horse, hog, and poultry feeds. 199,347; June 9; Serial No. 201,827; published Mar. 24, 1925.

American Varnish Company, The, Chicago, Ill. Varnishes. 47,126–7; renewed Oct. 24, 1925.

American Wholesale Corporation (Baltimore Bargain House), Baltimore and Cumberland, Md. Shoe lasts, blind awnings, animal traps, etc. 199,505; June 9; Serial No. 136,054; published Mar. 24, 1925.

American Wood Impregnation Corporation, New York, N. Y. Lumber treated by impregnation with wood-preserving and fire-resisting preparations. 199,455; June 9; Serial No. 206,602; published Mar. 10, 1925.

Andrea, F. A. D., Inc., New York, N. Y. Radio receiving sets. 199,314; June 9; Serial No. 204,844; published Mar. 24, 1925.

Antelope Valley Fruit Growers Association, Palmdale and Littlerock, Calif. Fresh pears. 199,564; June 9.

Arcuni & Eichwald, New York, N. Y. Girls' wash dresses. 199,290; June 9; Serial No. 209,376; published Mar. 31, 1925.

Arglomaco, Inc., New York, N. Y. Lamp shades. 199,321; June 9; Serial No. 203,069; published Mar. 3, 1925.

Ashton & Bietz, Chicago, Ill. Game. 199,498; June 9; Serial No. 186,769; published Mar. 24, 1925.

Atwater, William C., & Co., Incorporated, New York, N. Y. Coal, coke, and briquettes. 199,460; June 9; Serial No. 206,821; published Mar. 24, 1925.

Atwater, William C., & Co., Incorporated, New York, N. Y. Coal, coke, and briquettes. 199,578; June 9.

Auto Gland Co. (See Callahan, Robert E.)

Automatic Transportation Company, The, Buffalo, N. Y. Automobiles and parts and accessories thereof. 199,533; June 9.

Baker R & L Company, The, Cleveland, Ohio. Trucks and structural parts thereof. 199,580; June 9.

Baltimore Butterine Company, The, Baltimore, Md. Compound for shortening, baking, and cooking. 199,535; June 9; Serial No. 208,500; published Mar. 31, 1925.

Barrel Syrup Corporation, The, Oakland, Calif. Maple sirup, molasses, mixed candy, and peanut butter. 199,326; June 9; Serial No. 206,213; published Mar. 24, 1925.

Bauer-Stuart Company, The, Springfield, Ohio. Shock absorbers for motor vehicles. 199,439; June 9; Serial No. 207,054; published Mar. 3, 1925.

Bausman, George H., doing business as The Oriole Packing Company, Baltimore, Md. Semimetallic packing. 199,471; June 9; Serial No. 207,488; published Mar. 3, 1925.

Bear Brand Hosiery Co., Chicago, Ill. Hosiery. 199,515; June 9; Serial No. 208,374; published Mar. 10, 1925.

Beaver Products Company, Inc., The, Buffalo, N. Y. Plaster. 199,336; June 9; Serial No. 205,780; published Mar. 3, 1925.

Beaver Products Company, Inc., The, Buffalo, N. Y. Fiber wall board, roofing tiles, shingles, etc. 199,393; June 9; Serial No. 194,327; published Mar. 17, 1925.

Belle Springs Creamery Co., The, Abilene, Kans. Butter. 47,188; renewed Oct. 31, 1925.

Bes-Cone Co., The, Baltimore, Md. Ice-cream cones. 199,318; June 9; Serial No. 204,081; published Mar. 10, 1925.

Biddle, Walter S., doing business as Swif-T-Thrift Sales Co., New York, N. Y. Mailing devices and folders. 199,365; June 9; Serial No. 207,489; published Mar. 17, 1925.

Bilhuber-Wawak Company, Chicago, Ill. Woolen piece goods. 199,563; June 9.

Blank, Rudolph, New York, N. Y. Textbooks. 199,372; June 9; Serial No. 206,675; published Feb. 17, 1925.

Blayney-Murphy Company, Denver, Colo. Bacon. 199,572; June 9.

Bly-Robinson Co., Charles Town, W. Va. Fresh fruits and vegetables. 199,561; June 9.

Blystone Manufacturing Company, Cambridge Springs, Pa. Cement, building blocks, and tile. 199,504; June 9; Serial No. 140,772; published Mar. 17, 1925.

Bolf & Baskind, New York, N. Y. Men's and boys' work shirts, blouses, and waists. 199,291; June 9; Serial No. 209,379; published Mar. 31, 1925.

Boderman, J., & Sons, New York, N. Y. Men's jackets and overcoats. 199,302; June 9; Serial No. 209,559; published Mar. 31, 1925.

Bond, Charles, Company, Philadelphia, Pa. Flat and round leather belting. 199,418; June 9; Serial No. 207,963; published Mar. 17, 1925.

Booth, F. E., Co., San Francisco, Calif. Canned fish. 199,463; June 9; Serial No. 206,877; published Mar. 24, 1925.

Borgfeldt, Geo., & Co., New York, N. Y. Dolls. 199,535; June 9; Serial No. 206,558; published Mar. 31, 1925.

Bowditch & Clapp Company, Boston, Mass. Women's and children's hats and hat linings. 199,546; June 9; Serial No. 207,964; published Mar. 17, 1925.

Bradford Brick and Tile Company, Bradford, Pa. Brick, tile, and other coarse clay products. 199,434; June 9; Serial No. 207,175; published Mar. 3, 1925.

Britton Threads, Inc., Pawtucket, R. I. Thread. 199,509; June 9; Serial No. 208,562; published Mar. 24, 1925.

Britton Threads, Inc., Pawtucket, R. I. Thread. 199,510; June 9; Serial No. 208,560; published Mar. 24, 1925.

Broadway Neckwear Company, New York, N. Y. Cravats. 199,367; June 9; Serial No. 207,228; published Mar. 31, 1925.

Buedefeldt, Ernest O., Muncie, Ind., Phonographs. 199,334; June 9; Serial No. 205,815; published Mar. 24, 1925.

Butter Krust Baking Co. (See Martinov, Milivoj.)

Cadet Knitting Company, Philadelphia, Pa. Hosiery. 199,582; June 9.

Callahan, Robert E., doing business as Auto Gland Co., Los Angeles, Calif. Polishes for the finish of automobiles. 199,376; June 9; Serial No. 206,513; published Mar. 31, 1925.

Cameo Music Service Corporation, New York, N. Y. Music cue sheets for motion pictures. 199,571; June 9.

Campe Corporation, The, New York, N. Y. Nainsook underwear and hosiery. 199,293; June 9; Serial No. 209,382; published Mar. 31, 1925.

Campe Corporation, The, New York, N. Y. Nainsook underwear and hosiery. 199,295; June 9; Serial No. 209,383; published Mar. 31, 1925.

Capeway Bakery, Inc., East Braintree, Mass. Bakery products. 199,322–3; June 9; Serial No. 202,923–4; published Mar. 10, 1925.

Carter, Ray L., Syracuse, N. Y. Routing, shaping and mortising machines. 199,562; June 9.

Cartesian Research Society, The, Philadelphia, Pa., and Gloucester, Mass. Publications. 100,519; June 9; Serial No. 209,022; published Mar. 24, 1925.

Century Rubber Specialty Company, The, Baltimore, Md. Heels and top lifts. 199,294; June 9; Serial No. 209,386; published Mar. 17, 1925.

Cereal Soaps Company, Inc., New York, N. Y. Combs. 199,534; June 9; Serial No. 208,507; published Mar. 17, 1925.

Chance Brothers & Co. Limited. West Smethwick, England. Glass. 199,476 June 9; Serial No. 207,445; published Mar. 24, 1925.

Chicago Crucible Company, Chicago, Ill. Briquette for treating molten metals. 199,335; June 9; Serial No. 205,743; published Mar. 24, 1925.
Chicago Textile Products Company, Chicago, Ill. Tents, tarpaulins, wagon covers, etc. 199,461 June 9; Serial No. 206,826; published Mar. 17, 1925.
Clark, Joseph H., San Francisco, Calif. Hosiery. 199,508; June 9; Serial No. 208,568; published Mar. 24, 1925.
Clauser, Archibald C., Reading, Pa. Butter. 199,342; June 9; Serial No. 205,470; published Mar. 17, 1925.
Cleveland Milling Company, Cleveland, Tenn. Wheat flour. 199,467; June 9; Serial No. 207,555; published Mar. 17, 1925.
Cluett, Peabody & Co., Inc., Troy, N. Y. Collars. 199,566–7; June 9.
Cohn & Rosenberger, Inc., New York, N. Y. Bracelets, bar pins, brooches, etc. 199,416; June 9; Serial No. 208,043; published Mar. 24, 1925.
Continental Supply Company, The, St. Louis, Mo. Belting. 199,409; June 9; Serial No. 208,280; published Mar. 24, 1925.
Coon, W. B., Co., Rochester, N. Y. Boots and shoes. 199,578; June 9.
Co-Operative Grange League Federation Exchange, Inc., Syracuse and Buffalo, N. Y. Seeds, bulbs, cuttings, and other things used in producing and reproducing grains, etc. 199,353; June 9; Serial No. 200,865; published Mar. 24, 1925.
Cramer, C. N., Co., Ashland, Wis. Canned milk. 199,498; June 9; Serial No. 174,892; published Mar. 10, 1925.
Crown Overall Manufacturing Company, The, Cincinnati, Ohio. Overalls and union-suit working garments. 199,341; June 9; Serial No. 205,475; published Mar. 24, 1925.
David, John, New York, N. Y. Men's suits and golf hose. 199,532; June 9; Serial No. 208,573; published Mar. 31, 1925.
De Loney, D., Fort Benjamin Harrison, Indianapolis, Ind. Newspapers: 199,538; June 9; Serial No. 208,384; published Mar. 31, 1925.
De Marques, Gregorio, New York, N. Y. Coffee. 199,457; June 9; Serial No. 206,769; published Feb. 3, 1925.
De Soto Citrus Sub Exchange, Arcadia, Fla. Fresh citrous fruits. 199,413; June 9; Ser. No. 208,128; published Mar. 24, 1925.
Deutsche Spiegelglas Ausfuhr Gesellschaft m. b. H., Aachen, Germany. Ground polished plate glass. 199,507; June 9; Serial No. 208,576; published Mar. 24, 1925.
Diamond Crystal Salt Co., St. Clair, Mich. Table and dairy salt. 46,309; renewed Sept. 12, 1925.
Diamond Crystal Salt Co., St. Clair, Mich. Table and dairy salt. 46,383; renewed Sept. 19, 1925.
District of Columbia Paper Mfg. Co., Washington, D. C. Tinted blotting paper. 46,590; renewed Aug. 22, 1925.
Draper-Maynard Company, The, Plymouth, N. H. Athletic shirts, jerseys, sweaters, stockings, and half hose. 199,552; June 9; Serial No. 207,711; published Mar. 31, 1925.
Dulle-Meyer Milling Company, Chamois, Mo. Wheat flour. 199,354; June 9; Serial No. 200,674; published Feb. 24, 1925.
Dulle-Meyer Milling Company, Chamois, Mo. Wheat flour. 199,355; June 9; Serial No. 200,673; published Feb. 17, 1925.
Duncan, Wilson J., Kansas City, Mo. Periodical. 199,522; June 9; Serial No. 208,962; published Mar. 24, 1925.
Dundee Fruit Growers and Packers, Dundee, Oreg. Dried prunes. 199,297; June 9; Serial No. 209,485; published Mar. 31, 1925.
Dupiech, Jas. M., Bottling Co., St. Louis, Mo. Beverages. 199,517; June 9; Serial No. 209,159; published Mar. 31, 1925.
Du Pont, E. I., de Nemours and Company, Wilmington, Del. Bronzing liquids, bronze powders, enamels, etc. 199,516; June 9; Serial No. 148,378; published Mar. 24, 1925.
Eagle Mills. (See Playan, Marion M.)
Eagle Roller Mill Co., New Ulm, Minn. Flour made from wheat. 44,596; renewed July 11, 1925.
Eagle Roller Mill Co., New Ulm, Minn. Wheat flour. 46,022; renewed Sept. 5, 1925.
Eagle-Wabash Corporation, The, Chicago, Ill. Lamps and lamp shades. 199,352; June 9; Serial No. 201,020; published Mar. 24, 1925.
East Coast Jobbing House, The. (See Wolfson, Louis.)
Edmonds Shoe Company, doing business as Trans-Continental Shoe Company, Milwaukee, Wis. Leather shoes. 199,525; June 9; Serial No. 208,846; published Mar. 17, 1925.
Elaterite Products Corporation, New York, N. Y. Bituminous cement and enamel. 199,340; June 9; Serial No. 208,476; published Mar. 24, 1925.
Emerson Electric Mfg. Co., The, St. Louis, Mo. Electric fans and motors. 199,433; June 9; Serial No. 207,183; published Mar. 24, 1925.
Empire Grain & Elevator Company, Binghamton, N. Y. Dairy, stock, and poultry feeds. 199,444; June 9; Serial No. 207,002; published Mar. 17, 1925.
Empire Grain & Elevator Company, Binghamton, N. Y. Dairy, stock, and poultry feeds. 199,445; June 9; Serial No. 207,009; published Mar. 17, 1925.
Englander's Enco Auto Paint Shops, Detroit, Mich. Automobile enamels. 199,383; June 9; Serial No. 205,401; published Mar. 31, 1925.
Ewing, Gordon B., Providence, R. I. Monthly magazine. 199,285; June 9; Serial No. 200,160; published Mar. 24, 1925.
Fallenius, Ivar, Gottenborg, Sweden. Lathe. 199,394; June 9; Serial No. 194,172; published Mar. 17, 1925.
Farm Products Sales Co., Inc., Hayward, Calif. Fresh vegetables. 199,398; June 9; Serial No. 192,014; published Mar. 24, 1925.
Fedders Manufacturing Company, Inc., Buffalo, N. Y. Piston rings. 199,449; June 9; Serial No. 206,347; published Mar. 3, 1925.
Federal Laboratories, Chicago, Ill. Rat-catching compound. 199,389; June 9; Serial No. 195,269; published July 22, 1924.
Fédération Suisse des Associations de Fabricants d'Horlogerie, Bienne, Switzerland. Watch and clock movements. 199,428; June 9; Serial No. 207,659; published Mar. 24, 1925.
Federbush Brothers, New York, N. Y. Loose-leaf-binder paper linings. 199,542; June 9; Serial No. 208,233; published Mar. 17, 1925.
Feldman, T. K., doing business as The "Grillite" Co., New York, N. Y. Combination electric hot plate and electric lamp. 199,333; June 9; Serial No. 205,820; published Mar. 24, 1925.
Fertig, Max, New York, N. Y. Linens and laces in the piece. 199,570; June 9.
Field & Flint Co., Boston and Brockton, Mass. Boots and shoes. 199,521; June 9; Serial No. 208,975; published Mar. 17, 1925.
Fillmore Citrus Fruit Association, Fillmore, Calif. Oranges, lemons, and grapefruit. 199,299; June 9; Serial No. 209,470; published Mar. 31, 1925.
Fisher, Nath'l, & Co., New York, N. Y. Boots, shoes, and slippers. 199,286; June 9; Serial No. 209,340; published Mar. 17, 1925.
Fox, J. G., doing business as J. G. Fox & Company, Seattle, Wash. Beverages. 199,296; June 9; Serial No. 209,391; published Mar. 31, 1925.
Foye, Frank W., doing business as Frank W. Foye Company, Lowell, Mass. Flour, corn meal, and rolled oats. 199,497; June 9; Serial No. 176,458; published Feb. 17, 1925.
Freeland, Claude L., Bristow, Okla. Fruit trees and bushes, vegetable plants, evergreens, etc. 199,324; June 9; Serial No. 202,698; published Mar. 17, 1925.
Friedman, B., Shoe Co. Inc., New York, N. Y. Shoes. 199,529; June 9. Serial No. 208,756; published Mar. 17, 1925.
Frost, Edward G., Los Angeles, Calif. Electric-light vehicle signals. 199,399; June 9; Serial No. 191,068; published Mar. 24, 1925.
Gatke, Thomas L., Chicago, Ill. Brake and clutch linings. 199,391; June 9; Serial No. 194,916; published Mar. 17, 1925.
Gauer-Lawson Co., Chicago, Ill. Tire shoes. 199,338; June 9; Serial No. 205,595; published Mar. 24, 1925.
General Motors Corporation, Detroit, Mich., and Anderson, Ind. Electrical ignition apparatus. 199,475; June 9; Serial No. 207,456; published Mar. 24, 1925.
Gerber & Co., Inc., New York, N. Y. Cheese. 199,442–3; June 9; Serial Nos. 207,005–6; published Mar. 24, 1925.
Gerstein Brothers, New York, N. Y. Weather stripping. 199,422; June 9; Serial No. 207,735; published Mar. 3, 1925.
Globe Dairy Lunch Co. Inc., The, Los Angeles, Calif. Sandwiches, pie, cake, and pastry. 199,458; June 9; Serial No. 206,779; published Mar. 24, 1925.
Globe Newspaper Company, Boston, Mass. Daily newspaper (Sunday edition). 199,549; June 9; Serial No. 207,815; published Mar. 17, 1925.
Globe Newspaper Company, Boston, Mass. Daily newspaper. 199,550; June 9; Serial No. 207,785; published Mar. 17, 1925.
Globe Newspaper Company, Boston, Mass. Sunday magazine section of a daily newspaper. 199,553; June 9; Serial No. 207,662; published Mar. 17, 1925.
Globe Newspaper Company, Boston, Mass. Daily newspaper. 199,554; June 9; Serial No. 207,621; published Mar. 17, 1925.
Globe Newspaper Company, Boston, Mass. Daily newspaper. 199,556; June 9; Serial No. 207,561; published Mar. 17, 1925.
Globe Overall Company, The, Cincinnati, Ohio. Overalls. 199,372; June 9; Serial No. 208,777; published Mar. 31, 1925.
Goodrich, B. F., Company, New York, N. Y. Rubber boots. 199,548; June 9; Serial No. 207,816; published Mar. 17, 1925.
Grabow, J., and Son, New York, N. Y. Brassières. 199,568; June 9.
Grain Food Candy Company, The, Bridgeport, Conn. Candies and cakes. 199,506; June 9; Serial No. 208,650; published Mar. 24, 1925.
Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Inductance coils. 199,325; June 9; Serial No. 206,298; published Mar. 24, 1925.

Grebe, A. H., & Co., Inc., Richmond Hill, N. Y. Radio receiving sets. 199,447; June 9. Serial No. 206,303; published Mar. 24, 1925.
"Grillite" Co., The. (See Feldman, T. K.)
Grover, Charles G., Denver, Colo. Fruit confection. 199,316; June 9; Serial No. 204,166; published Mar. 24, 1925.
Hampden Watch Company, The, Canton, Ohio. Watches. 199,305; June 9; Serial No. 206,331; published Mar. 24, 1925.
Hampden Watch Company, The, Canton, Ohio. Watches. 199,344; June 9; Serial No. 206,332; published Mar. 24, 1925.
Hanashoe Mfg. Co., Valley Falls, R. I. Cotton piece goods. 199,392; June 9; Serial No. 194,863; published Mar. 24, 1925.
Hansen, A. L., Manufacturing Co., Chicago, Ill. Carbide lamp. 199,490; June 9; Serial No. 188,676; published Mar. 10, 1925.
Haram, S. A., & Co. Inc., New York, N. Y. Cheese. 199,546; June 9; Serial No. 202,842; published Mar. 24, 1925.
Haram, S. A., & Co. Inc., New York, N. Y. Bread. 199,360; June 9; Serial No. 198,636; published Sept. 30, 1924.
Hasselbarth, C. O., Albany, N. Y. Bed springs. 199,368; June 9; Serial No. 207,187; published Mar. 17, 1925.
Hearn, James A., & Son, Inc., New York, N. Y. Absorbent cotton and gauze. 199,512; June 9; Serial No. 208,463; published Mar. 24, 1925.
Hellmers, August, Cincinnati, Ohio. Cake. 199,339; June 9; Serial No. 205,531; published Feb. 17, 1925.
Herrick, Stephen S., doing business as Herrick Iron Works, Oakland, Calif. Structural iron and steel buildings, bridges, shapes, and plates. 199,329; June 9; Serial No. 206,167; published Mar. 3, 1925.
Hoffer, John, Steelton; John Hoffer, Harrisburg, Pa. Wheat flour. 47,107; renewed Oct. 24, 1925.
Hoffman, Adam, Company, The, Cleveland, Ohio. Candies. 199,385; June 9; Serial No. 196,458; published Mar. 24, 1925.
Hohner, M., Inc., New York, N. Y. Accordions. 199,470; June 9; Serial No. 207,506; published Mar. 24, 1925.
Holland Food Corporation, New York, N. Y. Cheese. 199,514; June 9; Serial No. 208,398; published Mar. 24, 1925.
Hoosier Factories, Inc., Michigan City, Ind. Overalls, jumpers, and combination suits. 199,555; June 9; Serial No. 207,571; published Mar. 31, 1925.
Huxtable, A., Sydney, Australia. Canned salmon. 199,388; June 9; Serial No. 195,447; published Mar. 24, 1925.
Hyser Bros., Minneapolis, Minn. Butter. 199,386; June 9; Serial No. 196,164; published Mar. 3, 1925.
International Creosoting and Construction Company, Galveston, Beaumont, and Texarkana, Tex. Railway crossties. 199,320; June 9; Serial No. 208,126; published Mar. 17, 1925.
Iroquois Canning Corporation, Onarga, Ill. Canned corn, beans, and pork and beans. 199,411; June 9; Serial No. 208,246; published Mar. 24, 1925.
Iroquois Canning Corporation, Onarga, Ill. Canned corn. 199,412; June 9; Serial No. 208,245; published Mar. 24, 1925.
Jack Beverages, Inc., New York, N. Y. Ginger ale and sirup for making the same. 199,536; June 9; Serial No. 208,466; published Mar. 31, 1925.
Janson, Ebba M., Lawrence, Mass. Title and heading of a newspaper column. 199,375; June 9; Serial No. 206,623; published Mar. 17, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,425; June 9; Serial No. 207,357; published Mar. 3, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,477; June 9; Serial No. 207,383; published Mar. 10, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,478; June 9; Serial No. 207,380; published Mar. 10, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,479–80; June 9; Serial Nos. 207,372–3; published Mar. 10, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,481–2; June 9; Serial Nos. 207,368–9; published Mar. 3, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,483–4; June 9; Serial Nos. 207,363–4; published Mar. 3, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,485; June 9; Serial No. 207,360; published Mar. 3, 1925.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,486; June 9; Serial No. 207,358; published Mar. 3, 1925.
Jetter, Christian E., New York, N. Y. Radio receiving sets. 199,459; June 9; Serial No. 206,786; published Mar. 24, 1925.
Jewel Tea Co., Inc., Chicago, Ill. Publications and pamphlets. 199,524; June 9; Serial No. 208,851; published Mar. 24, 1925.
Jordbro Aktiebolag, Jonkoping, Sweden. Matches. 199,313; June 9; Serial No. 204,405; published Mar. 17, 1925.
Kamenstein, Myer, New York, N. Y. Sheet-metal wash boilers, cans, pails, pans, etc. 45,918; renewed Aug. 29, 1925.
Kardon Products Co. Inc., New York, N. Y. Complete radio receiving sets. 199,306; June 9; Serial No. 205,211; published Mar. 24, 1925.
Klein, Sol, Inc., doing business as Klein Bros. Chicago, Ill. Children's dresses. 199,406; June 9; Serial No. 208,297; published Mar. 24, 1925.
Kleinert, I. B., Rubber Company, New York, N. Y. Bathing caps. 199,287; June 9; Serial No. 209,355; published Mar. 17, 1925.
Kraft, J. L., & Bros. Co., Chicago, Ill. Cheese. 199,487; June 9; Serial No. 189,319; published Mar. 3, 1925.
Kraft, J. L., & Bros. Co., assignor to Kraft Cheese Company, Chicago, Ill. Cheese. 199,488; June 9; Serial No. 189,317; published Mar. 3, 1925.
Kresge, S. S., Company, Detroit, Mich. Hosiery. 199,541; June 9; Serial No. 208,298; published Mar. 31, 1925.
Kunderd, Amos E., Goshen, Ind. Gladioli bulbs. 199,577; June 9.
Kunstharzfabrik Dr. Fritz Pollak Gesellschaft m. b. H., Vienna, Austria. Condensation products of phenol and formaldehyde. 199,462; June 9; Serial No. 206,853; published Mar. 3, 1925.
Ladish-Stoppenbach Company, The, doing business as The Ladish Company, Milwaukee, Wis. Dairy feed. 199,315; June 9; Serial No. 204,176; published Mar. 17, 1925.
Lake Manufacturing Company. (See Riley, Cusack M.)
Lane's Bottling Works, Sioux City, Iowa. Beverage. 199,559; June 9.
Lanman & Kemp, assignor to Lanman & Kemp, Inc., New York, N. Y. Florida water. 47,457; renewed Nov. 7, 1925.
Latrobe Electric Steel Company, Latrobe, Pa. Structural steel bars. 199,407; June 9; Serial No. 208,300; published Mar. 24, 1925.
Lee Electric & Manufacturing Co., San Francisco, Calif. Radio equipment. 199,450; June 9; Serial No. 206,416; published Mar. 24, 1925.
Lichten Bros., New York, N. Y. Hosiery. 199,288; June 9; Serial No. 209,358; published Mar. 31, 1925.
Liebovitz, S., & Sons, Inc., New York, N. Y. Negligee, dress, and work shirts, nightshirts, etc. 199,511; June 9; Serial No. 208,472; published Mar. 24, 1925.
Lindahl, Anders, Stockholm, Sweden. Lemonade, soft drinks, and essences and extracts for preparing such drinks. 199,387; June 9; Serial No. 196,896; published Sept. 23, 1924.
Linde Air Products Company, The, New York, N. Y. Monthly magazine. 199,551; June 9; Serial No. 207,749; published Mar. 17, 1925.
Lindsay Ripe Olive Company, Lindsay, Calif. Canned ripe olives. 199,565; June 9.
Lyon & Healy, Inc., Chicago, Ill. Cornets, trumpets, slide trombones, etc. 199,492; June 9; Serial No. 187,827; published Mar. 24, 1925.
M J R Metallwarenfabrik Josef Rosenthal Aktiengesellschaft, Vienna, Austria. Soldering lamps and blowtorches. 199,564; June 9; Serial No. 196,469; published Mar. 24, 1925.
M. t. E. v. Rademaker's Kon. Cacao & Chocolade Fabrieken, The Hague, Netherlands. 199,402; June 9; Serial No. 189,571; published Apr. 15, 1924.
MacKay, Willis A., New York, N. Y. Crackers. 199,308; June 9; Serial No. 205,017; published Mar. 24, 1925.
Macy, R. H., & Co., Inc., New York, N. Y. Automobile tires and tubes. 199,307; June 9; Serial No. 205,074; published Mar. 3, 1925.
Made-Right Tailoring and Clothing Co., The, Baltimore, Md. Suits and overcoats. 199,474; June 9; Serial No. 207,467; published Mar. 24, 1925.
Magyar Wolframlámpagyár Kremenesky János, Részvénytársaság, Budapest, Hungary. Incandescent electric lamps. 199,400; June 9; Serial No. 190,261; published Mar. 24, 1925.
Manheimer, Louis, & Bros. Inc., New York, N. Y. Watches, watchcases, and watch movements. 199,312; June 9; Serial No. 204,517; published Mar. 24, 1925.
Martinov, Milivoj, doing business as Butter Krust Baking Co., Salt Lake City, Utah. Bread, cake, pie, etc., in which iodide is placed. 199,337; June 9; Serial No. 205,649; published Feb. 17, 1925.
Mason & Hamlin Co., Cambridge; Mason & Hamlin Co., Boston, Mass. Pianos. 47,391; renewed Oct. 31, 1925.
Mayer, M. & C.; A. V. Victorius & Co. Inc., New York, N. Y., successor. Knit hosiery and underwear. 47,043; renewed Oct. 24, 1925.
Mayer Manufacturing Corporation, Chicago, Ill. Suction-cup devices for holding purposes. 199,464; June 9; Serial No. 206,909; published Mar. 24, 1925.
Mayflower Fruit Association, Exeter, Calif. Fresh grapes. 199,349; June 9; Serial No. 201,816; published Mar. 24, 1925.
Midwest Stove & Range Company, Belleville, Ill. Stoves and ranges. 199,441; June 9; Serial No. 207,024; published Mar. 24, 1925.
Miller, George P., Chicago, Ill. Title of a periodical containing architectural plans. 199,545; June 9; Serial No. 207,987; published Mar. 17, 1925.
Milward, Henry, & Sons Ltd., Redditch, England. Fishing tackle. 199,540; June 9; Serial No. 208,306; published Mar. 31, 1925.

Miner-Hillard Milling Co., Wilkes-Barre, Pa. Cake flour. 199,417; June 9; Serial No. 207,988; published Mar. 17, 1925.

Monroe Drug Co., Unionville, Mo., assignor to Monroe Drug Company, Quincy, Ill. Dyes. 27,165; renewed Oct. 29, 1925.

Moon Record Corporation, New York, N. Y. Phonograph records. 199,415; June 9; Serial No. 208,064; published Mar. 24, 1925.

Morning Telegraph Company, New York, N. Y. Particular column of news in the newspaper. 199,366; June 9; Serial No. 207,306; published Mar. 17, 1925.

Munroe Shoe Company Inc., The, Auburn, Me. Boots, shoes, and slippers. 199,526; June 9; Serial No. 208,818; published Mar. 17, 1925.

National Cloak & Suit Company, New York, N. Y. Men's suits, overcoats, and raincoats. 199,428; June 9; Serial No. 207,310; published Mar. 24, 1925.

National Life and Accident Insurance Company, The, Nashville, Tenn. Calendars and periodical publications. 199,371; June 9; Serial No. 207,091; published Mar. 31, 1925.

New Haven Clock Co., New Haven, Conn. Clocks. 46,132; renewed Sept. 5, 1925.

New Orleans Coffee Co. Ltd., New Orleans, La. Molasses, sirups, and sorghums. 47,529; renewed Nov. 7, 1925.

New York Consolidated Card Company, The, New York, N. Y. Playing cards. 46,489–90; renewed Sept. 19, 1925.

New York Consolidated Card Company, The, New York, N. Y. Playing cards. 46,883–4; renewed Oct. 10, 1925.

New York Consolidated Card Company, The, New York, N. Y. Playing cards. 46,938; renewed Oct. 17, 1925.

New York Consolidated Card Company, The, New York, N. Y. Playing cards. 46,942; renewed Oct. 17, 1925.

New York Mackintosh Clothing Company, New York, N. Y. Waterproof coats and capes. 199,528; June 9; Serial No. 208,773; published Mar. 31, 1925.

Neyman Knitting Mills, Brooklyn, N. Y. Skirts, dresses, sweaters, etc. 199,300; June 9; Serial No. 209,490; Published Mar. 31, 1925.

North Eastern Rubber Co., Elizabeth N. J. Flaps for automobile rims. 199,396; June 9; Serial No. 198,117; published Mar. 3, 1925.

Nu-Gloss Auto Painting System. (See Walker, John W.)

O. L. Stanard Dry Goods Co., Huntington, W. Va. Men's overalls. 199,581; June 9.

Ohio State Stove & Mfg. Co., The, Columbus, Ohio. Gas ranges. 199,359; June 9; Serial No. 199,334; published Mar. 24, 1925.

Okawara, Y., & Co., Brawley, Calif. Fresh vegetables, grapes, cantaloupes, and berries. 199,358; June 9; Serial No. 199,383; published Mar. 24, 1925.

Oklahoma Publishing Co., Oklahoma City, Okla. Semi-monthly publication. 199,543; June 9; Serial No. 208,158; published Mar. 31, 1925.

Oriole Packing Company, The. (See Bansman, George H.)

Pabst Corporation, Milwaukee, Wis. Cheese. 199,311; June 9; Serial No. 204,518; published Mar. 10, 1925.

Pacific Orient Company, San Francisco, Calif. Canned fruits and raisins, dried fruits, etc. 199,455; June 9; Serial No. 206,681; published Mar. 24, 1925.

Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 199,557–8; June 9.

Palmer, I. E., Company, The, Middletown, Conn. Bias tape. 199,523; June 9; Serial No. 208,925; published Mar. 17, 1925.

Papendick Bakery Co., St. Louis, Mo. Bread. 199,310; June 9; Serial No. 204,565; published Mar. 17, 1925.

Park & Tilford, New York, N. Y. Chocolate and candies. 199,317; June 9; Serial No. 204,112; published Mar. 24, 1925.

Parker Brothers, Portland, Me., and Salem, Mass. Game. 199,520; June 9; Serial No. 208,906; published Mar. 31, 1925.

Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 199,292; June 9; Serial No. 209,685; Mar. 31, 1925.

Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 199,304; June 9; Serial No. 209,685; published Mar. 31, 1925.

Pearlman-Jelenko Incorporated, New York, N. Y. Dresses, frocks, skirts, etc. 199,419; June 9; Serial No. 207,948; published Mar. 24, 1925.

Peerless Plush Manufacturing Company, Paterson, N. J. Pile fabrics, body cloth, and head lining for automobiles, etc. 199,489; June 9; Serial No. 188,859; published Mar. 10, 1925.

Peninsular Publishing Company, The, Tampa, Fla. Monthly magazine. 199,570; June 9; Serial No. 207,095; published Mar. 17, 1925.

Perego, Michele, Milan, Italy. Quilts and blankets made of cotton. 199,351; June 9; Serial No. 201,157; published Mar. 24, 1925.

Pillsbury Flour Mills Company, Minneapolis, Minn. Wheat flour. 199,499; June 9; Serial No. 173,380; published Sept. 30, 1924.

Pirelli & C., Milan, Italy. Rubber tires for vehicles. 199,473; June 9; Serial No. 207,473; published Mar. 3, 1925.

Plant, Thomas G., Company, Boston, Mass. Boots, shoes, and slippers. 199,527; June 9; Serial No. 208,776; published Mar. 17, 1925.

Playan, Marion M., doing business as Eagle Mills, Los Angeles, Calif. Cereal breakfast food. 199,466; June 9; Serial No. 206,919; published Mar. 24, 1925.

Playboy Wearables, Inc., New York, N. Y. Creepers, rompers, bloomers, and play suits. 199,574; June 9.

Pokodot Cereal Company, Fargo, N. Dak. Pancake flour. 199,496; June 9; Serial No. 181,310; published Sept. 25, 1923.

Pomeroy Company, New York, N. Y. Elastic stockings. 47,297; renewed Oct. 31, 1925.

Portsmouth Stove and Range Co., Portsmouth, Ohio. Gas burners and stoves, and ranges and parts of same. 199,331; June 9; Serial No. 205,948; published Mar. 24, 1925.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 199,430; June 9; Serial No. 207,258; published Mar. 3, 1925.

Quaker Oats Company, The, Chicago, Ill. Rolled oats. 199,431; June 9; Serial No. 207,257; published Mar. 31, 1925.

Radio Corporation of America, New York, N. Y. Radio receiving sets. 199,356; June 9; Serial No. 200,110; published Feb. 10, 1925.

Reis, Robt., & Co., New York, N. Y. Knit underwear and hosiery. 46,201; renewed Sept. 12, 1925.

Riley, Cusack M., doing business as Lake Manufacturing Company, Minneapolis, Minn. Hydrocarbon dry cleaner and spot remover. 199,544; June 9; Serial No. 208,014; published Mar. 17, 1925.

Rindleman-Salinger Co., New York, N. Y. Towels, bath cloths, and table sets. 199,350; June 9; Serial No. 201,511; published Feb. 24, 1925.

Ritzenthaler, John, New York, N. Y. Pads and covers for ironing boards. 199,328; June 9; Serial No. 206,191; published Mar. 24, 1925.

Roberts Fruit Products, Inc., San Jose, Calif. Fruit mixture which forms a jelly or marmalade when mixed in boiling water. 199,289; June 9; Serial No. 209,366; published Mar. 31, 1925.

Robinson, W. C., & Son Co., Baltimore, Md. Lubricating oils. 47,509; renewed Nov. 7, 1925.

Rockford Candy Manufacturing Co., Rockford, Ill. Candy. 199,432; June 9; Serial No. 207,204; published Mar. 24, 1925.

Rockland & Rockford Lime Corporation, Rockland, Me. Lime. 199,575; June 9.

Rodney Milling Co., Kansas City, Mo. Wheat flour. 199,345; June 9; Serial No. 202,517; published Nov. 11, 1924.

Rojas, Julio, New York, N. Y. Matches. 199,420; June 9; Serial No. 207,830; published Mar. 24, 1925.

Roseland Farm and Manufacturing Co., The, Warrensburg, Mo. Sausage. 199,472; June 9; Serial No. 207,476; published Mar. 3, 1925.

Rothschild, David, & Co., Columbus, Ga. Cotton, woolen, linen, and silk fabrics. 199,363; June 9; Serial No. 196,931; published Mar. 24, 1925.

Sacramento Growers Market, Inc., Sacramento, Calif. Fresh deciduous fruits, vegetables, cantaloupes, and strawberries. 199,332; June 9; Serial No. 205,891; published Mar. 24, 1925.

Samson Granite Company, Inc., Tenafly, N. J. Cement washtubs. 199,469; June 9; Serial No. 207,527; published Mar. 24, 1925.

Sani-Fold Company, Inc., The, Arlington, N. J. Cigarette case. 199,456; June 9; Serial No. 206,751; published Mar. 24, 1925.

Schelter, David W., doing business as Tested Weaving & Belting Co., Rochester, N. Y. Woven-fabric brake and transmission linings. 199,454; June 9; Serial No. 206,638; published Mar. 3, 1925.

Schmidt, Charles D., doing business as Charles D. Schmidt Co., Jamaica, N. Y. Brake lining. 199,410; June 9; Serial No. 208,263; published Mar. 24, 1925.

Scott, Charles A., Kansas City, Mo. Tissue-paper wipers for cleaning eyeglasses. 199,382; June 9; Serial No. 205,957; published Mar. 17, 1925.

Scott, Rufus W. Company, New York, N. Y. Hosiery. 199,298; June 9; Serial No. 208,701; published Mar. 31, 1925.

Shannon, Herbert H., doing business as The Waldorf Products Corporation, Hillside Township, Union County, N. J. Mayonnaise. 199,502; June 9; Serial No. 169,330; published Mar. 24, 1925.

Shaw, A. W., Company, Chicago, Ill. Magazine section. 199,539; June 9; Serial No. 208,315; published Mar. 28, 1925.

Simons-Leedle Furnace Co., Marshall, Mich. Warm-air furnaces. 199,576; June 9.

Sioux City Seed Co., Sioux City, Iowa. Garden, field, grass, and flower seeds. 199,466; June 9; Serial No. 206,979; published Mar. 24, 1925.

Smith-Alsop Paint and Varnish Company, Terre Haute, Ind. Paint for cement floors. 199,379; June 9; Serial No. 206,440; published Mar. 31, 1925.

Smith, Paul F., Landis Township, Cumberland County, N. J. Live baby chicks and poultry and hatching eggs. 199,404; June 9; Serial No. 189,338; published Mar. 24, 1925.

Socialistic Co-Operative Publishing Association, New York, N. Y. Newspapers published daily. 199,530–1; June 9; Serial No. 208,682–3; published Mar. 24, 1925.

Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Perfumes and hygienic products. 199,361; June 9; Serial No. 196,983; published Mar. 31, 1925.

Société Worth, Paris, France, assignor to Franklin Simon & Co., New York, N. Y. Perfumes and hygienic products. 199,362; June 9; Serial No. 196,979; published Mar. 17, 1925.

Solar-Sturges Mfg. Co., Chicago, Ill. Milk cans. 199,579; June 9.

Sorco Heater Co., Inc., New York, N. Y. Water heaters. 199,330; June 9; Serial No. 205,960; published Mar. 3, 1925.

Southern Beverage Company, Galveston, Tex. Food flavors. 199,414; June 9; Serial No. 208,113; published Mar. 24, 1925.

Southworth Company, Mittineague, Mass. Writing paper and envelopes. 47,084–5; renewed Oct. 24, 1925.

Standard Foundry and Manufacturing Company, De Kalb, Ill. Warm-air furnaces. 199,406; June 9; Serial No. 208,318; published Mar. 28, 1925.

Standard Plate Glass Company, Pittsburgh, Pa. Flat oil paints. 199,560; June 9.

Standard Textile Products Company, The, Youngstown, Ohio and New York, N. Y. Oilcloth and oilcloth table covers. 199,403; June 9; Serial No. 189,482; published Mar. 24, 1925.

Standard Textile Products Company, The, New York, N. Y. Textile fabrics enameled or rendered waterproof. 199,438; June 9; Serial No. 207,105; published Mar. 3, 1925.

Studdy, George E., London, England. Books, posters, and prints, sketches, and cartoons. 199,380; June 9; Serial No. 206,380; published Mar. 17, 1925.

Sulzer, Carl & Company, Chicago, Ill. Bread. 199,491; June 9; Serial No. 188,281; published Jan. 15, 1924.

Sunshine Creamery, Inc., Miami, Fla. Fresh cows' milk. 199,451; June 9; Serial No. 206,443; published Feb. 24, 1925.

Swift and Company, Chicago, Ill. Soap. 199,369; June 9; Serial No. 207,107; published Mar. 17, 1925.

Swif-T-Thrift Sales Co. (See Biddle, Walter S.)

Takamine Laboratory, Inc., Clifton, N. J. Food sirups. 199,501; June 9; Serial No. 176,051; Mar. 24, 1925.

Tennessee Coal, Iron & Railroad Company, Birmingham, Ala. Phosphate. 199,401; June 9; Serial No. 190,069; published Oct. 21, 1924.

Tested Weaving & Belting Co. (See Schelter, David W.)

Tichenor, C. E., & Co., Millville, N. J. Canned vegetables. 199,357; June 9; Serial No. 199,722; published Mar. 24, 1925.

Touma, H. S., Co., Inc., New York, N. Y. Hosiery. 199,384; June 9; Serial No. 205,377; published Mar. 31, 1925.

Towey, James H., doing business as The Towey Company, Minneapolis, Minn. Perfumes, toilet waters, cold and vanishing creams. 199,405; June 9; Serial No. 208,823; published Mar. 10, 1925.

Traffic Motor Truck Corporation, St. Louis, Mo. Motor trucks. 199,503; June 9; Serial No. 154,853; published Jan. 3, 1922.

Trans-Continental Shoe Company. (See Edmonds Shoe Company.)

United Clay Products Company, The, Washington, D. C. Clay products and brick. 199,452; June 9; Serial No. 206,548; published Mar. 17, 1925.

United States Graphite Co., The, Saginaw, Mich. Brushes for use on electric motors and generators. 199,397; June 9; Serial No. 192,456; published Mar. 24, 1925.

Valvoline Oil Company. (See Wilburine Oil Works Ltd.)

Vandewart Company, Inc., New York, N. Y. Sweater and scarf ensemble. 199,301; June 9; Serial No. 209,509; published Mar. 31, 1925.

Vermont Products Corporation, Brattleboro, Vt. Canned fruits, maple-sugar products, candy, etc. 199,569; June 9.

Victorius, A. V., & Co. (See Mayer, M. & C.)

Victory Hosiery Mills, Burlington, N. C. Men's cotton half hose. 199,518; June 9; Serial No. 209,068; published Mar. 31, 1925.

Virden Canning Co., San Francisco, Calif. Canned asparagus. 199,348; June 9; Serial No. 201,824; published Mar. 24, 1925.

Vitalene Company, The, Houston, Tex. Treated rice polish. 199,343; June 9; Serial No. 205,457; published Feb. 24, 1925.

Walcker, Oscar, doing business as E. F. Walcker & Co., Ludwigsburg, Germany. Pipe organs and mouth harps. 199,395; June 9; Serial No. 194,091; published Mar. 24, 1925.

Waldorf Products Corporation, The. (See Shannon, Herbert H.)

Walker, John W., doing business as Nu-Gloss Auto Painting System, Kansas City, Mo. Paints and varnishes. 199,374; June 9; Serial No. 206,758; published Mar. 17, 1925.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Footballs, handballs, tennis rackets, golf sticks, etc. 199,377; June 9; Serial No. 206,461; published Mar. 31, 1925.

Wanamaker, John, Philadelphia, Philadelphia, Pa. Footballs, handballs, tennis rackets, golf sticks, etc. 199,378; June 9; Serial No. 206,459; published Mar. 31, 1925.

Ward Baking Company, New York, N. Y. Bread. 199,500; June 9; Serial No. 172,898; published Mar. 20, 1923.

Washburn Crosby Company, Minneapolis, Minn. Cereal food product. 199,448; June 9; Serial No. 206,336; published Mar. 24, 1925.

Wellington, Sears & Co., Boston, Mass. Cotton duck. 46,167; renewed Sept. 5, 1925.

Wells-Abbott-Nieman Co., Inc., Schuyler, Nebr. Wheat flour. 199,390; June 9; Serial No. 195,146; published June 17, 1924.

Western Fruit, Inc., Seattle, Wash. Monthly magazine. 199,537; June 9; Serial No. 208,442; published Mar. 24, 1925.

White Bear Patch Company, Inc., New Orleans, La. Patches for tires, inner tubes, rubber boots, etc. 199,319; June 9; Serial No. 203,356; published Mar. 3, 1925.

Wilburine Oil Works Ltd., New York, N. Y.; Valvoline Oil Company, Edgewater, N. J., and New York, N. Y., successor. Illuminating oils. 46,654; renewed Sept. 26, 1925.

Wittmaak, Harold S., Erie, Pa. Leather shoes and children's rompers. 199,424; June 9; Serial No. 207,641; published Mar. 24, 1924.

Witt's Market House, Minneapolis, Minn. Eggs. 199,421; June 9; Serial No. 207,772; published Mar. 10, 1925.

Wolcott, Frank E., Manufacturing Company, The, Hartford, Conn. Electric heating pads and irons. 199,440; June 9; Serial No. 207,049; published Mar. 24, 1925.

Wolfson, Louis, doing business as The East Coast Jobbing House, Miami, Fla. Work shirts, underwear of knitted and textile fabrics, etc. 199,495; June 9; Serial No. 185,279; published Mar. 24, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Blue Bay Preserving Co. (See Tomlinson, Elvina B.)

Borden Company, The, New York, N. Y. Borden's Star Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. 28,775. June 9.

Bruner, Rubin, doing business as Fratello Co., Cleveland, Ohio. Bruner's Ladies' Conqueror. For Toilet Preparation—Namely, Toilet Water. 28,776. June 9.

California Bottling Works, Los Angeles, Calif. California Club. For Ginger Ale. 28,777; June 9.

Clanahan, J. Harry, Asheville, N. C. Sky Land. For Goodies, a Food Product. 28,778; June 9.

Day, James B., & Co., Chicago, Ill. Du-Pros Strictly Pure Shellac. For Shellac. 28,779; June 9.

Effervescent Salts Co., The, Kearny, N. J. Pure Effervescent Salts—Scotch Style. For Beverage Salts. 28,780; June 9.

Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Quality. For Cocoa. 28,781; June 9.

Fratello Co. (See Bruner, Rubin.)

Harbaugh, D'Forest, & Co., Chicago, Ill. The Harbaugh Interposed Antenna. For Antennas. 28,782; June 9.

Herd, Ferdinand S., doing business as Herd's, Davenport, Iowa. Herd's 1870 Hair Luxuriant. For Hair Tonic. 28,783; June 9.

Hynd, A. C., Buffalo, N. Y. A. C. Hynd's Hygienic Hair Life. For Hygienic Hair Life. 28,784; June 9.

Illinois Nut Products Co., Chicago, Ill. Golden Peanut Brittle. For Confections, Candies, Nuts, and Candy-Covered Nuts. 28,785; June 9.

Illinois Nut Products Co., Chicago, Ill. Brit-L-Nut. For Confections, Candies, Nuts, and Candy-Covered Nuts. 28,786; June 9.

Kalamazoo Paper Box Company, Kalamazoo, Mich. Modern Sweets, Coast to Coast Package. For Candy. 28,787; June 9.

Lovell, G. J., New York, N. Y. Odorkure. For a Disinfectant. 28,788; June 9.

Lynne Pure Food Co., Pittsburgh, Pa. Lynne Brand. For Combination Relish. 28,789; June 9.

Lynne Pure Food Co., Pittsburgh, Pa. Lynne Brand. For Mayonnaise Dressing. 28,790; June 9.
Lynne Pure Food Co., Pittsburgh, Pa. Lynne Brand. For Tartar Sauce. 28,791; June 9.
Tomlinson, Elvina B., doing business as Blue Bay Preserving Co., San Francisco, Calif. Blue Bay Orange Marmalade, Blue Bay Preserving Co., San Francisco. For Orange Marmalade. 28,792; June 9.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Coffman, Dewey E., doing business as The Iowa Novelty Company, La Crosse, Wis. Try A Package of 5¢ O K Vens 5¢. For Candy Mints. 7,982; June 9.
Iowa Novelty Company, The. (See Coffman, Dewey E.)

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

A. & J. Manufacturing Co., The, Binghamton, N. Y. Kitchen and household tools or utensils. 211,963–4; June 9.
Abrag, Joseph E., Jacksonville, Fla. Liver salts. 203,409; June 9.
Acorn Insulated Wire Company, Brooklyn, N. Y. Insulated electric wires or conductors. 208,556–7; June 9.
Advance Radio Research Laboratories, New York, N. Y. Complete radio receiving sets and parts thereof. 210,821; June 9.
Albers Packing Company, Riverside, Calif. Ripe olives. 195,850; June 9.
Algoma Panel Co., Algoma, Wis. Panels and wood veneer. 211,072; June 9.
Alward Mfg. Company, Chicago, Ill. Hunting coats, vests, pants, caps, and hats. 208,445; June 9.
Amalgamated Roofing Company, Chicago, Ill. Prepared roofing shingles. 195,854; June 9.
American Grinder Mfg. Co., Milwaukee, Wis. Water-circulating pumps. 209,606; June 9.
American Wiremold Company, The, Hartford, Conn. Insulated electric wires. 210,822; June 9.
Anderson Manufacturing Company, Everett, Mass. Spring covers for automobile springs. 212,467; June 9.
Anheuser-Busch, Incorporated, St. Louis, Mo. Table sirup. 213,216; June 9.
Arabian Coffee Importing Co. (See Howatt, Michael E.)
Arco Company, The, Cleveland, Ohio. Cement for pipe joints and analogous uses. 212,470; June 9.
Arnold, Constable & Co., New York, N. Y. Artificial pearls, necklaces, rings, bracelets, etc. 208,083; June 9.
Arranbee Doll Company, New York, N. Y. Dolls. 213,057; June 9.
Atlantic Salt Co., Boston, Mass. Bathing and table salt. 199,205; June 9.
Bakelite Corporation, New York, N. Y. Necklaces, earrings, pendants, and bracelets. 212,582; June 9.
Bamberger, L., & Company, Newark, N. Y. Golf balls. 213,355; June 9.
Bancroft, William, doing business as F. J. Bancroft & Company, Pawtucket, R. I. Tennis racket. 211,774; June 9.
Bartels, Reinhard E., doing business as Keystone Sole & Shank Co., Lynn, Mass. Shoe shanks. 211,567; June 9.
Baumann, Ludwig, & Co., New York, N. Y. Radio receiving sets. 211,775; June 9.
Bay West Paper Co., Green Bay, Wis. Paper towels. 207,337; June 9.
Beal, Merritt F., Long Island City, N. Y. Clarinet and saxophone reeds. 213,157; June 9.
Beaver Products Company, Inc., The, Buffalo, N. Y. Wall board and building paper. 208,949; June 9.
Behrens Drug Company, The, Waco, Tex. Spirits of niter, camphor, and ammonia, castor oil, etc. 211,568; June 9.
Belle City Manufacturing Company, Racine and Racine Junction, Wis. Thrashing machinery, tractors, etc. 210,035; June 9.
Bordeker and Wentworth, Cincinnati, Ohio. Radio head sets, receiving sets, condensers, etc. 211,569; June 9.
Briggs, Frederick, Washington, D. C. Chipped beef, dried beef, ham, etc. 207,550; June 9.
Broomhall, Edward M., Harrisburg, Pa. Name cards. 202,436; June 9.
Bruno, C., & Son, Inc., New York, N. Y. Banjos, guitars, etc. 210,949; June 9.
Buehler Brothers, Inc., Chicago, Ill. Nut oleomargarine. 211,077; June 9.
Buffalo Specialty Company, Buffalo, N. Y. Polishing liquids. 210,881; June 9.
Burwell, J. B., Supply Company, The, Oklahoma City, Okla. Rubber inner tubes for automobile tires. 210,275; June 9.
C. G. Spring and Bumper Company, The. Detroit, Mich. Bumpers. 212,478; June 9.
Cardinell, John D., doing business as Cardinell Sales Co., Montclair, N. J. Device in the form of a fountain pen. 210,442; June 9.
Carson Pirie Scott & Co., Chicago, Ill. Pearls and pearl necklaces. 212,853; June 9.
Central Radio Laboratories, Milwaukee, Wis. Radio signaling apparatus and parts thereof. 207,918; June 9.
Chicago, Macaroni Co., Chicago, Ill. Macroni, spaghetti, vermicelli, and noodles. 213,277; June 9.
Children's Clinical Laboratory. (See Vaughan, Robert J.)
Citizens Radio Service Bureau, Chicago, Ill. Radio call book in magazine form. 211,257; June 9.
Cogen, Joseph, doing business as The Nailex Company, New York, N. Y. Nail polish, nail-polish remover, nail white, and cuticle remover. 212,344; June 9.
Cole Radio Manufacturing Corporation, Bloomfield, N. J. Resistance units for electrical circuits. 212,069; June 9.
Columbus-Union Oil Cloth Co., The, Columbus, Ohio. Leather-simulating cloth. 206,200; June 9.
Coplan Steel Corporation, Inc., Ogdensburg, N. Y. Castings and forgings. 206,111; June 9.
Corcoran Manufacturing Company, Indianapolis, Ind. Scooters. 213,007; June 9.
Crandall Packing Company, Palmyra, N. Y. Pump valves and packing. 206,222; June 9.
Crown Willamette Paper Company, San Francisco, Calif. Paper bags. 210,831; June 9.
Daven Radio Co. (See Frasse, William H.)
Davenport Hosiery Mills, Chattanooga, Tenn. Hosiery. 212,597; June 9.
Decker, Alfred, & Cohn, Inc., Chicago, Ill. Overcoats, topcoats, and raincoats. 211,836; June 9.
Decker, Alfred, & Cohn, Inc., Chicago, Ill. Men's coats, vests, etc., and women's and children's coats and knickerbockers. 211,838; June 9.
Decker, Alfred, & Cohn, Inc., Chicago, Ill. Coats, vests, trousers, etc., for men and youths. 212,484; June 9.
Didisheim, Hipp., Company, Inc., Ne wYork, N. Y. Watches, watch movements, and parts of the same. 175,083; June 9.
Drake Corporation, Norfolk, Va. Finished sheepskins. 212,129; June 9.
Dunham, George W., Corporation, Utica, N. Y. Laundry washing and drying machines and parts and appliances therefor. 211,084; June 9.
Durr, C. A., Packing Co., Inc., Utica, N. Y. Pure lard. 206,402; June 9, 1925.
E-Z Toon Radio Co., Indianapolis, Ind. Adjusting dials for radio instruments. 210,895; June 9.
Eastern Coil Corp., New York, N. Y. Induction coils. 210,720; June 9.
Electric Outlet Company, Inc., New York, N. Y. Connecters for electric wiring. 196,797; June 9.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers and units, etc. 210,369; June 9.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,063; June 9.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,068; June 9.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,071; June 9.
Elmore Company, The, also doing business as The Elmore Thread Company, Spindale, N. C. Thread. 212,076; June 9.
Emack, John D., Company, The, Philadelphia, Pa. Roofing slate. 212,374–5; June 9.
Empire Publishing Company, Incorporated, Atlanta, Ga. Monthly magazine. 211,023; June 9.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Esmond Mills, The, Esmond, Smithfield, R. I. Cotton blankets. 212,426; June 9.
Farrell, Edward P., Toledo, Ohio. Seats, chairs, lounges, etc. 210,575; June 9.
Federal Telegraph Company, San Francisco, Calif. Coils used in radio apparatus. 205,115; June 9.
Ferguson, Thomas M., doing business as T. M. Ferguson & Co., Mecca, Calif. Mineral fluids, powders, and salves for rheumatism, etc. 209,531; June 9.
Fidelio Brewery. (See Goldberger, Norman S.)
Fischer, Frederick C., New York, N. Y. Twines, sash cord, fiber rope, etc. 193,514; June 9.
Flannocrat Mfg. Co., Buffalo, N. Y. Garment known as sport blouse. 209,633; June 9.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 211,914; June 9.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 212,177; June 9.
Frasse, William H., doing business as Daven Radio Co., Newark, N. J. Resistance units. 206,235; June 9.
Fullerton Electric Co., Inc., New York, N. Y. Inclosed electric-light units. 210,055; June 9.
Gage Brothers & Company, Chicago, Ill. Ladies' hats. 212,490; June 9.
Garod Corporation, Newark, N. J. Radio apparatus, parts, and appurtenances. 209,782; June 9.
Gem Toy Company, New York, N. Y. Dolls. 212,912; June 9.
General Produce Packers, El Centro, Calif. Fresh vegetables, grapes, melons, deciduous fruits, etc. 211,786; June 9.
Germanow-Simon Machine Co., Rochester, N. Y. Unbreakable watch crystals. 211,928; June 9.
Gilbert & Co. Inc., New York, N. Y. Compact cases, vanity purses, finger-rings, etc. 205,750; June 9.
Goldberger, Norman S., doing business as Fidelio Brewery, New York, N. Y. Beverages. 209,729; June 9.
Gottlieb & Sparr, New York, N. Y. Dresses. 210,726; June 9.
Grout and Company Limited, Great Yarmouth, England. Crêpe bandages (medical and surgical). 212,553; June 9.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, cotton, etc. 212,256–7; June 9.
Hadley Company, The, Providence, R. I. Clasps for ribbon bracelets, buckles for strap bracelets, and metal bracelets. 212,859; June 9.
Hanson, Albert, Huddersfield, England. Preparation of resin for use with stringed musical instruments. 209,085; June 9.
Harper & Brothers, New York, N. Y. Books. 196,807; June 9.
Harris Steinmeyer & Co., San Francisco, Calif. Brooches, bar pins, etc. 210,729; June 8.
Hart, Schaffner & Marx, Chicago, Ill. Men's and boys' suits, and men's, women's, and boys' coats. 212,615–16; June 9.
Hasco Products Company. (See Hastings, Arthur A.)
Hass, Adolph W., Forest Park, Ill. Liquid used for removing stains and spots from garments, etc. 212,252; June 9.
Hastings, Arthur A., doing business as Hasco Products Company, Springfield, Mass. Washing powder. 212,332; June 9.
Haus Neuerburg o. H. G., Trier, Germany. Tobacco, cigars, cigarettes, etc. 201,436–7; June 9.
Haus Neuerburg o. H. G., Trier, Germany. Tobacco, cigars, stogies, and cigarettes. 201,440–1; June 9.
Haus Neuerburg o. H. G., Trier, Germany. Tobacco, snuff, cigars, stogies, and cigarettes. 201,445; June 9.
Haus Neuerburg o. H. G., Trier, Germany. Tobacco, snuff, cigars, stogies, and cigarettes. 201,448; June 9.
Hedges, Harry K., Los Angeles, Calif. Pulverized granular compound. 211,682; June 9.
Heinrich Biering G. m. b. H., Dresden, Germany. Chrometanned leather. 209,036; June 9.
Herlong, A. S., & Co., Leesburg, Fla. Fresh citrous fruits and vegetables. 212,138; June 9.
Herok, Josef, doing business as Unternehmung für Industriegründungen Ing. J. Herok, Vienna, Austria. Boiler compounds. 210,846; June 9.
Hess, Edwin A., doing business as Hess Machine Company, Akron, Pa. Printing ink. 201,558; June 9.
Hinson Mfg. Company, The, Waterloo, Iowa. Tire covers. 211,472; June 9.
Hirschfeld, A. B., doing business as The A. B. Hirschfeld Press, Denver, Colo. Periodical publication. 209,037; June 9.
Hohner, M., Inc., New York, N. Y. Mouth harmonicas. 208,050; June 9.
Horlacher Brewing Co., Inc., The, doing business as The Horlacher Co., Allentown, Pa. Sirup for flavoring ices, puddings, sundaes, or sherbets. 211,848; June 9.
Howatt, Michael E., doing business as Arabian Coffee Importing Co., New York, N. Y. Coffee. 212,008; June 9.
Howell, Eva M., Danville, W. Va. Sanitary seats and covers for commodes, bed pans, and toilets. 210,663; June 9.
Hygrade Oil & Fuel Corporation, Buffalo, N. Y. Gasoline, lubricating oils, and greases. 207,190; June 9.
Independent Pictures Corporation, New York, N. Y. Motion pictures. 212,140; June 9.
Infants Utilities Corporation, New York, N. Y. Infants' dresses, coats, bonnets, etc. 212,004; June 9.
Jacob, H., & Sons, Inc., doing business as Marvio Mills, New York, N. Y. Cotton piece goods. 212,084; June 9.
Jupiter Spark Plug Company, Seattle, Wash. Spark plugs. 212,382; June 9.
Kahre Manufacturing Company, Kansas City, Kans. Preparation for cleaning false teeth. 210,906; June 9.
Kaye, Kathleen, Salt Lake City, Utah. Matter produced by special writer for newspaper column. 212,278; June 9.
Keystone Sole & Shank Co. (See Bartels, Reinhard E.)
Knox Mfg. Co., Philadelphia, Pa. Furniture polish. 208,854; June 9.
Koehler Manufacturing Company, Marlboro, Mass. Toe and heel plates for lasts, last thimbles, and links. 174,313; June 9.
Kolynos Company, The, New Haven, Conn. Dental cream. 209,357; June 9.
Kreitman & Newman, New York, N. Y. Fur coats. 212,558–60; June 9.
Lavo Company of America, Milwaukee, Wis. Soap, soap chips, etc. 210,672; June 9.
Lawton, Thomas, New York, N. Y. Massaging devices and obesity-reducing bands. 177,852; June 9.
Leslie, John, Paper Company, The, Minneapolis, Minn. Wrapping paper. 211,042; June 9.
Logan Brothers Company, The, Bridgeport, Conn. Coffee. 213,311; June 9.
Louis, Otto F., doing business as Louis Drug Co., Bay City, Mich. Dry cleaner. 210,851; June 9.
Ludwig Heumann & Co. Chemisch-pharmaceutische Fabrik. (See Pfaller, Robert.)
Lustberg Nast & Co., New York, N. Y. Broadcloth of cotton, silk, and mixtures thereof in the piece. 206,915; June 9.
Magnan, N. J., Corporation, North Attleboro, Mass. Tennis rackets. 212,940; June 9.
Mamolith Carbon Paint Company, The, New York, N. Y. Dry, paste, and ready-mixed paint and paint enamels. 205,984; June 9.
Marathon Rubber Company, Inc., Akron, Ohio. Baseballs. 212,338; June 9.
Marvell Pharmacal Co., Inc., The, New York, N. Y. Medicinal preparation. 212,014; June 9.
Marvio Mills. (See Jacob, H., & Sons, Inc.)
Masda Radio Manufacturing Company, The, Cleveland, Ohio. Radio receiving sets. 211,856; June 9.
Mecky, A., Company, Philadelphia, Pa. Chain and sprocket operated children's bicycles. 206,252; June 9.
Metz, H. A., & Co. Inc., New York, N. Y. Compositions for use in carbonising wool. 210,247; June 9.
Miles, Norman L., St. Paul, Minn. Candy. 196,177; June 9.
Montague City Rod Co., Montague City, Mass. Fishing rods and reels. 203,136; June 9.
Morris, Michael, Brooklyn, N. Y. Radio receiving sets and parts thereof. 211,796; June 9.
Nailex Company, The. (See Cogen, Joseph.)
National Carbon Company, Inc., New York, N. Y. Battery flash lights and casings therefor. 209,583; June 9.
Nelson, Elizabeth, Madam, Detroit, Mich. Hair oils, hair greases, and hair wash. 206,630; June 9.
New Britain Machine Co., The, New Britain, Conn. Chucking and screw machines. 205,432; June 9.
New England Coal and Coke Company, Boston, Mass. Coke. 212,150; June 9.
New Orleans Roofing & Metal Co., Inc., New Orleans, La. Eaves trough, corrugated steel roofing, etc. 206,585; June 9.
Northern Montana Alfalfa Growers Association, Glasgow, Mont. Alfalfa seed. 205,682; June 9.
Oakley, Richard H., doing business as Oakley Paint Manufacturing Co., Los Angeles, Calif. Dry, paste, and ready-mixed paint, oils, etc. 209,862; June 9.
Pacific & Atlantic Photos, Inc., New York, N. Y. Photographs. 218,254; June 9.
Palmolive Company, The, Chicago, Ill. Toilet and shaving soaps. 210,189; June 9.
Patterson, A. H., Stockton, Calif. Radio receiving sets. 210,401; June 9.
Penn Tobacco Company, Wilkes-Barre, Pa. Cigarettes. 211,047–9; June 9.
Pfaller, Robert, doing business as Ludwig Heumann & Co. Chemisch-pharmaceutische Fabrik, Nuremberg, Germany. Tablets, pills, lozenges, etc. 205,775; June 9.
Phelps & Sibley Co. Inc., Cuba, N. Y. Dairy and poultry feeds. 211,050; June 9.
Piccadilly Fixs Co. (See Wagner, Charles F.)
Plough Chemical Company, assignor to Plough Chemical Company, Memphis, Tenn. Face bleach. 160,081; June 9.
Precise Manufacturing Corporation, Rochester, N. Y. Coils and transformers. 204,419; June 9.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Purity Ice Cream Co., Kansas City, Mo. Chocolate-coated ice cream. 212,294; June 9.
Pursell, Robert C., doing business as Arnicol Laboratories, New York, N. Y. Preparation for the relief of inflammation and pain. 212,151; June 9.
Quaker City Paper Box Company, Inc., Philadelphia, Pa. Radio receiving sets. 209,364; June 9.
Quaker Lace Company, Philadelphia, Pa. Lace curtains, nets, and curtain lace in piece goods. 211,947; June 9.
Railton, B. A., Co., Chicago, Ill. Paper items—namely, doilies, napkins, etc. 205,783; June 9.
Ramey, W. R., Shawnee, Okla. Liniment used for lumbago, etc. 210,184; June 9.
Rash, Warren P., Co., Inc., Middlesboro, Ky. Food flavorings. 175,520; June 9.
Redner, James A., doing business as Zulu Blow Gun Company, Battle Creek, Mich. Blowgun target game. 212,035; June 9.
Régnier, Marthe, Paris, France. Perfumes. 200,221; June 9.
Research Engineering Corporation, New York, N. Y. Motor-control devices. 212,350; June 9.
Rice, Charles W., doing business as Who's Who Beverage Co., Lakeland, Fla. Carbonated, nonalcoholic, maltless beverage. 212,044; June 9.
Richards, Joe M., London, England. Bust supporters, underwear, garters, and hats. 187,838; June 9.
Richardson Lubricating Company, Quincy, Ill. Automobile oil. 210,756; June 9.
Roesch Enamel Range Company, Belleville, Ill. Coal, gas, and combination ranges and stoves. 210,622; June 9.
Rokeach, I., & Sons, Inc., Brooklyn, N. Y. Salad oil, cocoa, chocolate, and honey. 194,665; June 9.
Rossbach, Charles, doing business as Rossbach Mfg. Co., New York, N. Y. Radio and flash-light batteries and dry cells. 207,889; June 9.
Royal Feed & Milling Company, Memphis, Tenn. Stock feed. 205,230; June 9.
Runkel Brothers, Inc., New York, N. Y. Chocolate. 199,326; June 9.
Schalk Chemical Co., Los Angeles, Calif. Floor cleaner. 196,260; June 9.
Schullinger, Albert, doing business as Trump Razor Blade Co., New York, N. Y. Razor blades. 213,323; June 9.
Scott Logan Milling Co., Sheldon, Iowa. Wheat flour. 210,859; June 9.
Seeck & Kade, Inc., New York, N. Y. Ointment used in the treatment of eczema, etc. 212,868; June 9.
Smith, E. F., Company, Worcester, Mass. Coffee, tea, and wheat flour. 212,107; June 9.
Sockett, Cecil W., Los Angeles, Calif. Dry paste, and ready-mixed paints, enamels, etc. 209,877; June 9.
Spencer, George A., Placerville, Calif. Fresh pears, peaches, etc. 211,548; June 9.
Standard Radio Corporation, Worcester, Mass. Complete radio receiving sets. 204,865; June 9.
Star-Maid Dresses, Inc., New York, N. Y. Dresses. 207,084; June 9.
Steel Products Manufacturing Company, Westfield, Mass. Phonograph needles. 211,064; June 9.
Stein, S., & Co., New York, N. Y. Woolen goods in the piece and in cut lengths. 211,957; June 9.
Sterile Products Co., San Diego, Calif. Tooth paste. 209,707; June 9.
Stern, Louis, Company, Providence, R. I. Bracelets, watch bracelets, and wristbands. 213,312; June 9.
Stevens, (Incorporated), Atlanta, Ga. Fire brick and fire-clay shapes. 207,154; June 9.
Stockton Miners' Compound Manufacturing Company, Stockton, Calif. Explosives. 213,409; June 9.
Swall, A., & Sons, Tulare, Calif. Prunes. 208,622; June 9.
Sweeney, E. B., doing business as Sweeney Coffee Company, Lexington, Ky. Coffee. 209,111; June 9.
Thompson, Henry C., Hartford, Conn. Soaps. 205,243; June 9.
Tillman & Berdel, Inc., San Francisco, Calif. Tea, coffee, spices, etc. 210,327; June 9.
Trump Razor Blade Co. (See Schullinger, Albert.)
Union Cutlery Co., Inc., Olean, N. Y. Butcher, paring, pocket, and hunting knives, razors, and shears. 213,268; June 9.
United Dairy Co., Chicago, Ill. Chocolate milk beverage. 181,791; June 9.
United Hardware & Tool Corporation, New York, N. Y. Abrasive cloths and papers. 211,635; June 9.
United States Gypsum Company, Chicago, Ill. Wall and molding plasters, plaster of Paris, and calcined gypsum. 212,410; June 9.
Unternehmung fur Industriegründungen Ing. J. Herok. (See Herok, Josef.)
Upland Lemon Growers Association, Upland, Calif. Oranges, lemons, and grapefruit. 212,982; June 9.
Urner, Benjamin, doing business as Urner Cereal Company, San Diego, Calif. Coffee and a breakfast cereal. 192,286; June 9.
Vacuum Oil Company, New York, N. Y. Greases used in the manufacture of leather. 213,415; June 9.
Van Collom, Joseph, doing business as Van Co., Baltimore, Md. Shirts, underwear, scarfs, hosiery, etc. 206,836; June 9.
Vaughan, Robert J., doing business as Children's Clinical Laboratory, Baker, Oreg. Oral applicators. 210,633; June 9.
Vital Food Company. (See Wilke, Rose.)
Volz, Veolette M., Denver, Colo. Hand-decorated candles. 210,634; June 9.
Wagner, Charles F., doing business as Piccadilly Fizz Co., Los Angeles, Calif. Beverages sold as soft drinks and extracts and sirups for making same. 211,639; June 9.
Walker, Ephraim B., Mobile, Ala. Wood goods, logs, lumber, tiling, and ties. 206,335; June 9.
Warren City Tank & Boiler Company, The, Warren, Ohio. Steel storage, car, and acid tanks. 195,818; June 9.
Washburn Crosby Company, Minneapolis, Minn. Radio receiving sets. 212,164; June 9.
Waterhouse, Josephine S., doing business as Waterhouse Manufacturing Co., and also as J. S. Waterhouse, Los Angeles, Calif. Revolving drying racks for domestic laundry use. 195,931; June 9.
Weed, Lewis M., Co. Inc., Binghamton, N. Y. Coats, blouses, trousers, caps, etc. 208,941; June 9.
Westfield River Paper Company, Inc., Russell, Mass. Wrapping paper. 209,955; June 9.
Wheeler, William B., Council Bluffs, Iowa. Rodent poison. 207,426; June 9.
Who's Who Beverage Co. (See Rice, Charles W.)
Wilke, Rose, doing business as Vital Food Company, Los Angeles, Calif. Periodical publication. 211,644; June 9.
Williamson Veneer Company, The, Baltimore, Md. Lumber and veneers. 210,869–72; June 9.
Woodward, Henry H., Conway, S. C. Legal blanks and commercial forms. 209,890; June 9.
World Bestos Corporation, New York, N. Y., Transmission, brake, and friction linings. 212,661; June 9.
Wright & Ditson Victor Co., Springfield, Mass. Baseballs and cores therefor. 213,271; June 9.
Wundiewear Company, Corpus Christi, Tex. Children's textile and knitted underwear. 206,802; June 9.
Yakima Fruit & Cold Storage Company, Yakima, Wash. Fresh deciduous fruits. 213,272; June 9.
Zulu Blow Gun Company. (See Redner, James A.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Bulbs, Gladioli. A. E. Kunderd. 199,577; June 9.
Coal, coke, and briquettes. William C. Atwater & Co. 199,460; June 9; Serial No. 206,821; published Mar. 24, 1925.
Coal, coke, and briquettes. William C. Atwater & Co. 199,573; June 9.
Phenol and formaldehyde, Condensation products of. Kunstharsfabrik Dr. Fritz Pollak Gesellschaft m. b. H. 199,462; June 9; Serial No. 206,853; published Mar. 3, 1925.
Seeds. Sioux City Seed Co. 199,466; June 9; Serial No. 206,978; published Mar. 24, 1925.
Seeds, bulbs, cuttings, etc. Co-Operative Grange League Federation Exchange, Inc. 199,353; June 9; Serial No. 200,865; published Mar. 24, 1925.
Trees and bushes, vegetable plants, evergreens, etc., Fruit. C. L. Freeland. 199,324; June 9; Serial No. 202,698; published Mar. 17, 1925.

CLASS 2.

Boilers, buckets, cans, pails, etc., Sheet-metal wash. M. Kamenstein. 45,918; renewed Aug. 29, 1925.
Cans, Milk. Solar-Sturges Mfg. Co. 199,579; June 9.

CLASS 4.

Cleaner and spot remover, Hydrocarbon dry. C. M. Riley. 199,544; June 9; Serial No. 208,014; published Mar. 17, 1925.
Soap. Swift and Company. 199,368; June 9; Serial No. 207,107; published Mar. 17, 1925.

CLASS 6.

Dyes. Monroe Drug Co. 27,165; renewed Oct. 29, 1925.
Perfumes and hygienic products. Société Worth. 199,361; June 9; Serial No. 196,988; published Mar. 31, 1925.

Perfumes and hygienic products. Société Worth. 199,362; June 9; Serial No. 196,979; published Mar. 17, 1925.
Perfumes, toilet waters, etc. J. H. Towly. 199,405; June 9; Serial No. 208,323; published Mar. 10, 1925.
Phosphate. Tennessee Coal, Iron & Railroad Company. 199,401; June 9; Serial No. 190,089; published Oct. 21, 1924.
Salt, Table and dairy. Diamond Crystal Salt Co. 46,309; renewed Sept. 12, 1925.
Salt, Table and dairy. Diamond Crystal Salt Co. 46,383; renewed Sept. 19, 1925.
Water, Florida. Lanman & Kemp. 47,457; renewed Nov. 7, 1925.

CLASS 8.

Cigarette case. Sani-Fold Company. 199,456; June 9; Serial No. 206,751; published Mar. 24, 1925.

CLASS 9.

Matches. Jordbro Aktiebolag. 199,313; June 9; Serial No. 204,405; published Mar. 17, 1925.
Matches. J. Rojas. 199,420; June 9; Serial No. 207,830; published Mar. 24, 1925.

CLASS 12.

Asphalt, Roof. American Asphalt Roof Corporation. 199,437; June 9; Serial No. 207,115; published Mar. 24, 1925.
Asphalt roofing in sheets, rolls, and shingles. American Asphalt Roof Corporation. 199,436; June 9; Serial No. 207,116; published Mar. 24, 1925.
Brick. Acme Brick Company. 199,426; June 9; Serial No. 207,333; published Mar. 3, 1925.
Brick. Acme Brick Company. 199,427; June 9; Serial No. 207,331; published Mar. 3, 1925.
Brick, tile, and other coarse clay products. Bradford Brick and Tile Company; 199,434; June 9; Serial No. 207,175; published Mar. 3, 1925.
Cement, building blocks, and tile. Blystone Manufacturing Company. 199,504; June 9; Serial No. 140,772; published Mar. 17, 1925.
Cement for bonding purposes, and enamel. Elaterite Products Corporation. 199,340; June 9; Serial No. 205,476; published Mar. 24, 1925.
Clay products and brick. United Clay Products Company. 199,452; June 9; Serial No. 206,548; published Mar. 17, 1925.
Iron and steel buildings, bridges, shapes, and forms, Structural. S. S. Herrick. 199,329; June 9; Serial No. 206,167; published Mar. 3, 1925.
Laths. I. Fallenius. 199,394; June 9; Serial No. 194,172; published Mar. 17, 1925.
Lime. Rockland & Rockford Lime Corporation. 199,575; June 9.
Lime, Hydrated. Allwood Lime Company. 199,446; June 9; Serial No. 206,987; published Mar. 24, 1925.
Lumber treated by impregnation. American Wood Impregnation Corporation. 199,458; June 9; Serial No. 206,602; published Mar. 10, 1925.
Plaster. Beaver Products Company. 199,336; June 9; Serial No. 205,730; published Mar. 3, 1925.
Railway crossties. International Creosoting and Construction Company. 199,320; June 9; Serial No. 208,126; published Mar. 17, 1925.
Roofing. American Asphalt Roof Corporation. 199,435; June 9; Serial No. 207,117; published Feb. 24, 1925.
Steel bars, Structural. Latrobe Electric Steel Company. 199,407; June 9; Serial No. 208,300; published Mar. 24, 1925.
Wall board, roofing tiles, shingles, etc. Beaver Products Company. 199,398; June 9; Serial No. 194,827; published Mar. 17, 1925.
Weather stripping. Gerstein Brothers. 199,422; June 9; Serial No. 207,735; published Mar. 3, 1925.

CLASS 13.

Suction-cup devices for holding purposes. Mayer Manufacturing Corporation. 199,464; June 9; Serial No. 206,909; published Mar. 24, 1925.

CLASS 14.

Briquet for treating molten metals. Chicago Crucible Company. 199,355; June 9; Serial No. 205,743; published Mar. 24, 1925.

CLASS 15.

Oils, Illuminating. Wilburine Oil Works Ltd. 46,654; renewed Sept. 26, 1925.
Oils, Lubricating. W. C. Robinson & Son Co. 47,509; renewed Nov. 7, 1925.

CLASS 16.

Bronzing liquids, bronze powders, paints, etc. E. I. du Pont de Nemours and Company. 199,516; June 9; Serial No. 148,378; published Mar. 24, 1925.
Enamels, Automobile. Englander's Enco Auto Paint. 199,388; June 9; Serial No. 206,401; published Mar. 31, 1925.
Paint. Smith-Alsop Paint and Varnish Company. 199,379; June 9; Serial No. 206,440; published Mar. 31, 1925.
Paints and varnishes. J. W. Walker. 199,374; June 9; Serial No. 206,758; published Mar. 17, 1925.
Paints for walls, ceilings, etc., Flat oil. Standard Plate Glass Company. 199,500; June 9.
Polishes for the finish of automobiles. R. E. Callahan. 199,376; June 9; Serial No. 206,513; published Mar. 31, 1925.
Varnishes. American Varnish Company. 47,126–7; renewed Oct. 24, 1925.

CLASS 19.

Automobiles and parts and accessories thereof. Automatic Transportation Company. 199,583; June 9.
Shock absorbers for motor vehicles. Bauer-Stuart Company. 199,439; June 9; Serial No. 207,054; published Mar. 3, 1925.
Trucks and structural parts thereof. Baker R & L Company. 199,580; June 9.
Trucks, Motor. Traffic Motor Truck Corporation. 199,502; June 9; Serial No. 154,853; published Jan. 3, 1922.

CLASS 20.

Oilcloth and oilcloth table covers. Standard Textile Products Company. 199,403; June 9; Serial No. 189,482; published Mar. 24, 1925.

CLASS 21.

Brushes for use on electric motors and generators. United States Graphite Co. 199,397; June 9; Serial No. 192,456; published Mar. 24, 1925.
Condensers, Electrical. Allen-Bradley Company. 199,513; June 9; Serial No. 206,444; published Mar 24, 1925.
Electric-light vehicle signals. E. G. Frost. 199,390; June 9; Serial No. 191,068; published Mar. 24 1925.
Fans and motors, Electric. Emerson Electric Mfg. Co. 199,438; June 9; Serial No. 207,183; published Mar. 24, 1925.
Heating pads, Marcel irons, soldering irons, and flatirons, Electric. Frank E. Wolcott Manufacturing Company. 199,440; June 9; Serial No. 207,049; published Mar. 24, 1925.
Heating, ventilating, and air-conditioning apparatus. Air Conditioning & Engineering Co. 199,494; June 9; Serial No. 186,098; published Mar. 24, 1925.
Hot plate and electric lamp, Combination electric. T. K. Feldman. 199,333; June 9; Serial No. 205,820; published Mar. 24, 1925.
Ignition apparatus, Electrical. General Motors Corporation. 199,475; June 9; Serial No. 207,456; published Mar. 24, 1925.
Inductance coils. A. H. Grebe & Co. 199,325; June 9; Serial No. 206,298; published Mar. 24, 1925.
Lamps, Incandescent electric. Magyar Wolframlámpagyár Kremenezky János Részvénytársaság. 199,400; June 9; Serial No. 190,261; published Mar. 24, 1925.
Radiocords and electrical cords. American Fabric Co. 199,468; June 9; Serial No. 207,544; published Mar. 24, 1925.
Radio equipment. Lee Electric & Manufacturing Co. 199,450; June 9; Serial No. 206,416; published Mar. 24; 1925.
Radio receiving sets. F. A. D. Andrea, Inc. 199,314; June 9; Serial No. 204,344; published Mar. 24, 1925.
Radio receiving sets. A. H. Grebe & Co. 199,447; June 9; Serial No. 206,303; published Mar. 24, 1925.
Radio receiving sets. C. E. Jetter. 199,459; June 9; Serial No. 206,786; published Mar. 24, 1925.
Radio receiving sets. Kardon Products Co. 199,306; June 9; Serial No. 205,211; published Mar. 24, 1925.
Radio receiving sets. Radio Corporation of America. 199,356; June 9; Serial No. 200,119; published Feb. 10, 1925.

CLASS 22.

Balls, rackets, golf sticks, etc. John Wanamaker, Philadelphia. 199,377; June 9; Serial No. 206,461; published Mar. 31, 1925.
Balls, rackets, golf sticks, etc. John Wanamaker, Philadelphia. 199,378; June 9; Serial No. 206,459; published Mar. 31, 1925.
Cards, Playing. New York Consolidated Card Company. 46,489–90; renewed Sept. 19, 1925.
Cards, Playing. New York Consolidated Card Company. 46,583–4; renewed Oct. 10, 1925.
Cards, Playing. New York Consolidated Card Company. 46,938; renewed Oct. 17, 1925.
Cards, Playing. New York Consolidated Card Company. 46,942; renewed Oct. 17, 1925.
Dolls. Geo. Borgfeldt & Co. 199,538; June 9; Serial No. 208,558; published Mar. 31, 1925.
Fishing tackle. Henry Milward & Sons Ltd. 199,540; June 9; Serial No. 208,306; published Mar. 31, 1925.
Game. Ashton & Bletz. 199,493; June 9; Serial No. 186,769; published Mar. 24, 1925.
Game. Parker Brothers. 199,520; June 9; Serial No. 208,996; published Mar. 31, 1925.

CLASS 23.

Routing, shaping, and mortising machines. E. L. Carter. 199,562; June 9.

CLASS 24.

Ironing boards, Pads and covers for. J. Ritzenthaler. 199,328; June 9; Serial No. 206,191; published Mar. 24, 1925.
Washtubs, Cement. Samson Granite Company. 199,469; June 9; Serial No. 207,527; published Mar. 24, 1925.

CLASS 27.

Clocks. New Haven Clock Co. 46,132; renewed Sept. 5, 1925.
Watch and clock movements. Fédération Suisse des Associations de Fabricants d'Horlogerie. 199,423; June 9; Serial No. 207,659; published Mar. 24, 1925.
Watches. Hampden Watch Company. 199,305; June 9; Serial No. 205,831; published Mar. 24, 1925.
Watches. Hampden Watch Company. 199,344; June 9; Serial No. 205,832; published Mar. 24, 1925.
Watches, watchcases, and watch movements. Louis Manheimer & Bros. Inc. 199,312; June 9; Serial No. 204,517; published Mar. 24, 1925.

CLASS 28.

Bracelets, bar pins, etc. Cohn & Rosenberger, Inc. 199,416; June 9; Serial No. 208,043; published Mar. 24, 1925.

CLASS 32.

Bed springs. C. O. Hasselbarth. 199,368; June 9; Serial No. 207,187; published Mar. 17, 1925.

CLASS 33.

Glass. Chance Brothers & Co. Limited. 199,476; June 9; Serial No. 207,448; published Mar. 24, 1925.
Glass, Ground polished plate. Deutsche Spiegelglas Ausfuhr Gesellschaft m. b. H. 199,507; June 9; Serial No. 208,576; published Mar. 24, 1925.

CLASS 34.

Furnaces and heaters. American Furnace Company. 199,327; June 9; Serial No. 206,207. published Mar. 17, 1925.
Furnaces, Warm-air. Simonc-Leedle Furnace Co. 199,570; June 9.
Furnaces, Warm-air. Standard Foundry and Manufacturing Company. 199,406; June 9; Serial No. 208,318; published Mar. 24, 1925.
Gas burners, stoves, and ranges and parts of same. Portsmouth Stove and Range Co. 199,331; June 9; Serial No. 205,948; published Mar. 24, 1925.
Lamp, Carbide. A. L. Hansen Manufacturing Co. 199,490; June 9; Serial No. 188,676; published Mar. 10, 1925.
Lamp shades. Arglomaco, Inc. 199,321; June 9; Serial No. 203,069; published Mar. 3, 1925.
Lamps and blowtorches, Soldering. M J R Metallwarenfabrik Josef Rosenthal Aktiengesellschaft. 199,364; June 9; Serial No. 196,469; published Mar. 24, 1925.
Lamps and lamp shades. Eagle-Wabash Corporation. 199,352; June 9; Serial No. 201,020; published Mar. 24, 1925.
Ranges, Gas. Ohio State Stove & Mfg. Co. 199,359; June 9; Serial No. 199,334; published Mar. 24, 1925.
Stoves and ranges. Midwest Stove & Range Company. 199,441; June 9; Serial No. 207,024; published Mar. 24, 1925.
Water heaters. Sorco Heater Co. 199,330; June 9; Serial No. 205,960; published Mar. 3, 1925.

CLASS 35.

Automobile rims, Flaps for. North Eastern Rubber Co. 199,396; June 9; Serial No. 193,117; published Mar. 3, 1925.
Belting. Charles Bond Company. 199,418; June 9; Serial No. 207,963; published Mar. 17, 1925.
Belting. Continental Supply Company. 199,409; June 9; Serial No. 208,280; published Mar. 24, 1925.
Brake and clutch linings. T. L. Gatke. 199,391; June 9; Serial No. 194,916; published Mar. 17, 1925.
Brake and transmission linings, Woven-fabric. D. W. Schelter. 199,454; June 9; Serial No. 206,638; published Mar. 3, 1925.
Brake lining. C. D. Schmidt. 199,410; June 9; Serial No. 208,268; published Mar. 24, 1925.
Packing, Semimetallic. G. H. Bausman. 199,471; June 9; Serial No. 207,488; published Mar. 3, 1925.
Piston rings. Fedders Manufacturing Company. 199,449; June 9; Serial No. 206,347; published Mar. 3, 1925.
Tire shoes. Gauer-Lawson Co. 199,338; June 9; Serial No. 205,595; published Mar. 24, 1925.
Tires. Ajax Rubber Company. 199,429; June 9; Serial No. 207,282; published Mar. 3, 1925.
Tires and tubes, Automobile. R. H. Macy & Co. 199,307; June 9; Serial No. 205,074; published Mar. 3, 1925.
Tires for vehicles, Rubber. Pirelli & C. 199,475; June 9; Serial No. 207,475; published Mar. 3, 1925.
Tires, inner tubes, rubber boots, etc., Patches for. White Bear Patch Company. 199,319; June 9; Serial No. 203,356; published Mar. 3, 1925.

CLASS 36.

Accordions. M. Hohner, Inc. 199,470; June 9; Serial No. 207,506; published Mar. 24, 1925.
Cornets, trumpets, trombones, etc. Lyon & Healy, Inc. 199,492; June 9; Serial No. 187,327; published Mar. 24, 1925.
Organs and mouth harps, Pipe. O. Walcker. 199,395; June 9; Serial No. 194,090; published Mar. 24, 1925.
Phonograph records. Moon Record Corporation. 199,415; June 9; Serial No. 208,064; published Mar. 24, 1925.
Phonographs. E. O. Buedefeldt. 199,324; June 9; Serial No. 205,815; published Mar. 24, 1925.
Pianos. Mason & Hamlin Co. 47,391; renewed Oct. 31, 1925.

CLASS 37.

Binder paper linings, Loose-leaf. Federbush Brothers. 199,542; June 9; Serial No. 208,233; published Mar. 17, 1925.
Paper and envelopes, Writing. Southworth Company. 47,084–5; renewed Oct. 24, 1925.
Paper, Tinted blotting. District of Columbia Paper Mfg. Co. 45,599; renewed Aug. 22, 1925.
Paper wipers, Tissue-. C. A. Scott. 199,382; June 9; Serial No. 205,957; published Mar. 17. 1925.

CLASS 38.

Book. Ahrens Publishing Co. 199,381; June 9; Serial No. 206,269; published Mar. 17, 1925.
Books, posters, and prints, sketches, and cartoons. G. E. Studdy. 199,380; June 9; Serial No. 206,380; published Mar. 17, 1925.
Calendars and periodical publications. National Life and Accident Insurance Company. 199,371; June 9; Serial No. 207,091; published Mar. 31, 1925.
Magazine, Monthly. G. B. Ewing. 199,285; June 9; Serial No. 209,160; published Mar. 24, 1925.
Magazine, Monthly. Linde Air Products Company. 199,551; June 9; Serial No. 207,749; published Mar. 17, 1925.
Magazine, Monthly. Peninsular Publishing Company. 199,370; June 9; Serial No. 207,095; published Mar. 17, 1925.
Magazine, Monthly. Western Fruit, Inc. 199,537; June 9; Serial No. 208,442; published Mar. 24, 1925.
Magazine section. A. W. Shaw Company. 199,539; June 9; Serial No. 208,315; published Mar. 24, 1925.
Mailing devices and folders. W. S. Biddle. 199,365; June 9; Serial No. 207,490; published Mar. 17, 1925.
Newspaper column, Title and heading of a. E. M. Janson. 199,375; June 9; Serial No. 206,623; published Mar. 17, 1925.
Newspaper, Daily. Globe Newspaper Company. 199,549; June 9; Serial No. 207,815; published Mar. 17, 1925.
Newspaper, Daily. Globe Newspaper Company. 199,550; June 9; Serial No. 207,783; published Mar. 17, 1925.
Newspaper, Daily. Globe Newspaper Company. 199,554; June 9; Serial No. 207,621; published Mar. 17, 1925.
Newspaper, Daily. Globe Newspaper Company. 199,556; June 9; Serial No. 207,581; published Mar. 17, 1925.
Newspaper, Particular column of news in a. Morning Telegraph Company. 199,366; June 9; Serial No. 207,808; published Mar. 17, 1925.
Newspaper, Sunday magazine section of a daily. Globe Newspaper Company. 199,553; June 9; Serial No. 207,682; published Mar. 17, 1925.
Newspapers. D. De Loney. 199,538; June 9; Serial No. 208,384; published Mar. 31, 1925.
Newspapers, Daily. Socialistic Co-Operative Publishing Association. 199,530–1; June 9; Serial Nos. 208,682–3; published Mar. 24, 1925.
Periodical. W. J. Duncan. 199,522; June 9; Serial No. 208,962; published Mar. 24, 1925.
Periodical containing architectural plans, Title of a. G. P. Miller. 199,545; June 9; Serial No. 207,987; published Mar. 17, 1925.
Pictures, Music cue sheets for motion. Cameo Music Service Corporation. 199,571; June 9.
Publication, Semimonthly. Oklahoma Publishing Co. 199,543; June 9; Serial No. 208,158; published Mar. 31, 1925.
Publications and pamphlets of recipes, Monthly. Jewel Tea Co. 199,524; June 9; Serial No. 208,851; published Mar. 24, 1925.
Publications, Periodic. Cartesian Research Society. 199,519; June 9; Serial No. 209,022; published Mar. 24. 1925.
Textbooks. E. Blank. 199,372; June 9; Serial No. 206,875; published Feb. 17, 1925.

CLASS 39.

Bathing caps. I. B. Kleinert Rubber Company. 199,287; June 9; Serial No. 209,355; published Mar. 17, 1925.
Boots and shoes. W. B. Coon Co. 199,578; June 9.
Boots and shoes. Field & Flint Co. 199,521; June 9; Serial No. 208,975; published Mar. 17, 1925.
Boots, Rubber. B. F. Goodrich Company. 199,548; June 9; Serial No. 207,816; published Mar. 17, 1925.
Boots, shoes, and slippers. Munroe Shoe Company. 199,526; June 9; Serial No. 208,818; published Mar. 17, 1925.
Boots, shoes, and slippers. Nath'l Fisher & Co. 199,286; June 9; Serial No. 209,340; published Mar. 17, 1925.
Boots, shoes, and slippers. Thomas G. Plant Company. 199,527; June 9; Serial No. 208,776; published Mar. 17, 1925.
Brassières. J. Grabow and Son. 199,568; June 9.
Coats and capes, Waterproof. New York Mackintosh Clothing Company. 199,528; June 9; Serial No. 208,773; published Mar. 31, 1925.
Collars. Cluette, Peabody & Co. 199,566–7; June 9.
Cravats. Broadway Neckwear Company. 199,367; June 9; Serial No. 207,228; published Mar. 31, 1925.
Creepers, rompers, bloomers, and play suits. Playboy Wearables, Inc. 199,574; June 9.

Dresses, Children's. Sol. Klein, Inc. 199,408; June 9; Serial No. 208,207; published Mar. 24, 1925.
Dresses, frocks, skirts, etc. Pearlman-Jelenko Incorporated. 199,419; June 9; Serial No. 207,948; published Mar. 24, 1925.
Dresses, Girls' wash. Arcuni & Richwald. 199,290; June 9; Serial No. 209,376; published Mar. 31, 1925.
Hats and hat linings, Women's and children's. Bowditch & Clapp Company. 199,546; June 9; Serial No. 207,964; published Mar. 17, 1925.
Heels and top lifts. Century Rubber Specialty Company. 199,294; June 9; Serial No. 209,386; published Mar. 17, 1925.
Hose, Men's half. Victory Hosiery Mills. 199,518; June 9; Serial No. 209,068; published Mar. 31, 1925.
Hosiery. Bear Brand Hosiery Co. 199,515; June 9; Serial No. 206,374; published Mar. 10, 1925.
Hosiery. Cadet Knitting Company. 199,552; July 9.
Hosiery. J. H. Clark. 199,508; June 9; Serial No. 208,568; published Mar. 24, 1925.
Hosiery. S. S. Kresge Company. 199,541; June 9; Serial No. 208,298; published Mar. 31, 1925.
Hosiery. Lichten Bros. 199,288; June 9; Serial No. 209,358; published Mar. 31, 1925.
Hosiery. Rufus W. Scott Company. 199,298; June 9; Serial No. 208,701; published Mar. 31, 1925.
Hosiery. H. S. Touma Co. 199,384; June 9; Serial No. 205,377; published Mar. 31, 1925.
Hosiery and underwear, Knit. M. & C. Mayer. 47,043; renewed Oct. 24, 1925.
Jackets and overcoats, Men's. J. Boderman & Sons. 199,302; June 9; Serial No. 209,559; published Mar. 31, 1925.
Overalls. Globe Overall Company. 199,373; June 9; Serial No. 208,777; published Mar. 31, 1925.
Overalls, jumpers, and combination suits. Hoosier Factories Inc. 199,555; June 9; Serial No. 107,571; published Mar. 31, 1925.
Overalls, Men's. O. L. Stanard Dry Goods Co. 199,581; June 9.
Overalls, union-suit working garments. Crown Overall Manufacturing Company. 199,341; June 9; Serial No. 205,475; published Mar. 24, 1925.
Shirts, blouses, and waists, Men's and boys' work. Rob & Baskind. 199,291; June 9; Serial No. 209,379; published Mar. 31, 1925.
Shirts, jerseys, sweaters, stockings, and half hose, Athletic. Draper-Maynard Company. 199,552; June 9; Serial No. 207,711; published Mar. 31, 1925.
Shirts, nightshirts, pyjamas, and boys' blouses. S. Liebovitz & Sons, Inc. 199,511; June 9; Serial No. 208,472; published Mar. 24, 1925.
Shirts, underwear, overalls, etc. L. Wolfson. 199,495; June 9; Serial No. 185,279; published Mar. 24, 1925.
Shoes. Edmonds Shoe Company. 199,525; June 9; Serial No. 208,846; published Mar. 17, 1925.
Shoes. B. Friedman Shoe Co. 199,529; June 9; Serial No. 208,756; published Mar. 17, 1925.
Shoes and rompers. H. S. Wittmark. 199,424; June 9; Serial No. 207,641; published Mar. 24, 1925.
Skirts, dresses, sweaters, etc. Neyman Knitting Mills. 199,300; June 9; Serial No. 209,490; published Mar. 31, 1925.
Suits and golf hose, Men's. J. David. 199,532; June 9; Serial No. 208,578; published Mar. 31, 1925.
Suits and overcoats. Made-Right Tailoring and Clothing Co. 199,474; June 9; Serial No. 207,467; published Mar. 24, 1925.
Suits, overcoats, and raincoats, Men's. National Cloak & Suit Company. 199,428; June 9; Serial No. 207,310; published Mar. 24, 1925.
Sweater and scarf ensemble. Vanderwarf Company. 199,301; June 9; Serial No. 209,509; published Mar. 31, 1925.
Underwear and hosiery, Knit. Robt. Reis & Co. 46,201; renewed Sept. 12, 1925.
Underwear and hosiery, Nainsook. Campe Corporation. 199,293; June 9; Serial No. 209,382; published Mar. 31, 1925.
Underwear and hosiery, Nainsook. Campe Corporation. 199,295; June 9; Serial No. 209,383; published Mar. 31, 1925.
Underwear, Ladies'. B. Altman & Co. 199,303; June 9; Serial No. 209,605; published Mar. 31, 1925.

CLASS 40.

Combs. Cereal Soaps Company. 199,534; June 9; Serial No. 208,507; published Mar. 17, 1925.
Tape, Bias. I. E. Palmer Company. 199,523; June 9; Serial No. 208,925; published Mar. 17, 1925.

CLASS 42.

Cotton piece goods. Hansahoe Mfg. Co. 199,392; June 9; Serial No. 194,863; published Mar. 24, 1925.
Cotton piece goods. Pacolet Mfg. Co. 199,567–8; June 9.
Cotton, woolen, linen, and silk fabrics. David Rothschild & Co. 199,363; June 9; Serial No. 196,931; published Mar. 24, 1925.
Duck, Cotton. Wellington, Sears & Co. 46,167; renewed Sept. 5, 1925.
Fabrics, etc., Pile. Peerless Plush Manufacturing Company. 199,489; June 9; Serial No. 188,859; published Mar. 10, 1925.
Linens and laces in the piece. M. Fertig. 199,570; June 9.
Piece goods, Woolen. Bilhuber-Wawak Company. 199,568; June 9.
Quilts and blankets, Cotton. M. Perego. 199,351; June 9; Serial No. 201,157; published Mar. 24, 1925.
Towels, bath cloths, and table sets. Rindeman-Salinger Co. 199,350; June 9; Serial No. 201,511; published Feb. 24, 1925.

CLASS 43.

Thread. Britton Threads, Inc. 199,509; June 9; Serial No. 208,562; published Mar. 24, 1925.
Thread. Britton Threads, Inc. 199,510; June 9; Serial No. 208,560; published Mar. 24, 1925.

CLASS 44.

Cotton and gauze, Absorbent. James A. Hearn & Son, Inc. 199,512; June 9; Serial No. 208,463; published Mar. 24, 1925.
Stockings, Elastic. Pomeroy Company. 47,297; renewed Oct. 31, 1925.

CLASS 45.

Beverage. Lane's Bottling Works. 199,559; June 9.
Beverages. Jas. M. Dupiech Bottling Co. 199,517; June 9; Serial No. 209,159; published Mar. 31, 1925.
Beverages. J. G. Fox. 199,296; June 9; Serial No. 209,391; published Mar. 31, 1925.
Ginger ale and sirup for making the same. Jack Beverages, Inc. 199,536; June 9; Serial No. 208,466; published Mar. 31, 1925.
Lemonade, soft drinks and essences and extracts for preparing such drinks. A. Lindahl. 199,387; June 9; Serial No. 195,896; published Sept. 23, 1924.

CLASS 46.

Bacon. Blayney-Murphy Company. 199,572; June 9.
Bakery products. Capeway Bakery, Inc. 199,322–3; June 9; Serial No. 202,923–4; published Mar. 10, 1925.
Bread. S. A. Haram & Co. 199,360; June 9; Serial No. 198,636; published Sept. 30, 1924.
Bread. Papendick Bakery Co. 199,310; June 9; Serial No. 204,565; published Mar. 17, 1925.
Bread. Carl Sulzer & Company. 199,491; June 9; Serial No. 188,281; published Jan. 15, 1924.
Bread. Ward Baking Company. 199,500; June 9; Serial No. 172,698; published Mar. 20, 1923.
Bread, cake, pie, or any form of baked paste in which iodide is placed. M. Martinov. 199,287; June 9; Serial No. 205,649; published Feb. 17, 1925.
Butter. Belle Springs Creamery Co. 47,188; renewed Oct. 31, 1925.
Butter. A. C. Clauser. 199,342; June 9; Serial No. 205,470; published Feb. 17, 1925.
Butter. Hyser Bros. 199,386; June 9; Serial No. 196,164; published Mar. 3, 1925.
Cake. A. Hellmers. 199,339; June 9; Serial No. 205,531; published Feb. 17, 1925.
Candies. Adam Hoffman Company. 199,285; June 9; 196,458; published Mar. 24, 1925.
Candies and cakes. Grain Food Candy Company. 199,506; June 9; Serial No. 208,650; published Mar. 24, 1925.
Candy. Rockford Candy Manufacturing Co. 199,432; June 9; Serial No. 207,204; published Mar. 24, 1925.
Canned asparagus. Virden Canning Co. 199,348; June 9; Serial No. 201,824; published Mar. 24, 1925.
Canned corn. Iroquois Canning Corporation. 199,412; June 9; Serial No. 208,245; published Mar. 24, 1925.
Canned corn, beans, and pork and beans. Iroquois Canning Corporation. 199,411; June 9; Serial No. 208,246; published Mar. 24, 1925.
Canned fish. F. E. Booth Co. 199,463; June 9; Serial No. 206,877; published Mar. 24, 1925.
Canned fruits and raisins, walnuts, etc. Pacific Orient Company. 199,455; June 9; Serial No. 206,681; published Mar. 24, 1925.
Canned fruits, maple-sugar products, honey, etc. Vermont Products Corporation. 199,569; June 9.
Canned milk. C. N. Cramer Co. 199,498; June 9; Serial No. 174,892; published Mar. 10, 1925.
Canned pineapple. Pearl City Fruit Co. 199,292; June 9; Serial No. 209,686; published Mar. 31, 1925.
Canned pineapple. Pearl City Fruit Co. 199,304; June 9; Serial No. 209,685; published Mar. 31, 1925.
Canned ripe olives. Lindsay Ripe Olive Company. 199,565; June 9.
Canned salmon. A. Hurtable. 199,388; June 9; Serial No. 195,447; published Mar. 24, 1925.
Canned vegetables. C. B. Tichenor & Co. 199,357; June 9; Serial No. 199,723; published Mar. 24, 1925.
Cereal. Washburn Crosby Company. 199,448; June 9; Serial No. 206,336; published Mar. 24, 1925.
Cereal breakfast food. M. M. Flayan. 199,465; June 9; Serial No. 206,919; published Mar. 24, 1925.
Cheese. Gerber & Co. 199,442–8; June 9; Serial Nos. 207,008–9; published Mar. 24, 1925.
Cheese. S. A. Haram & Co. 199,346; June 9; Serial No. 202,342; published Mar. 24, 1925.
Cheese. Holland Food Corporation. 199,514; June 9; Serial No. 206,398; published Mar. 24, 1925.
Cheese. J. L. Kraft & Bros. Co. 199,487; June 9; Serial No. 189,319; published Mar. 3, 1925.
Cheese. J. L. Kraft & Bros. Co. 199,488; June 9; Serial No. 189,317; published Mar. 31, 1925.
Cheese. Pabst Corporation. 199,311; June 9; Serial No. 204,518; published Mar. 10, 1925.

Chicks and poultry and hatching eggs, Live. P. F. Smith. 199,404; June 9; Serial No. 189,338; published Mar. 24, 1925.

Chocolate and candies. Park & Tilford. 199,317; June 9; Serial No. 204,112; published Mar. 24, 1925.

Cocoa. M. t. E. v. Rademaker's Kon. Cacao & Chocolade Fabrieken. 199,402; June 9; Serial No. 189,571; published Apr. 15, 1924.

Coffee. G. de Marques. 199,457; June 9; Serial No. 206,769; published Feb. 3, 1925.

Confections, Fruit. C. G. Grover. 199,316; June 9; Serial No. 204,166; published Mar. 24, 1925.

Crackers. W. A. MacKay. 199,308; June 9; Serial No. 205,017; published Mar. 24, 1925.

Eggs. Witt's Market House. 199,421; June 9; Serial No. 207,772; published Mar. 10, 1925.

Feed, Dairy. Ladish-Stoppenbach Company. 199,315; June 9; Serial No. 204,176; published Mar. 17, 1925.

Feeds. Empire Grain & Elevator Company. 199,444; June 9; Serial No. 207,002; published Mar. 17, 1925.

Feeds. Empire Grain & Elevator Company. 199,445; June 9; Serial No. 207,000; published Mar. 17, 1925.

Feeds, Dairy horse, hog, and poultry. American Milling Company. 199,347; June 9; Serial No. 201,827; published Mar. 24, 1925.

Flavors for foods. Southern Beverage Company. 199,414; June 9; Serial No. 208,113; published Mar. 24, 1925.

Flour, Cake. Miner-Hillard Milling Co. 199,417; June 9; Serial No. 207,988; published Mar. 17, 1925.

Flour, corn meal and rolled oats. F. W. Foye. 199,497; June 9; Serial No. 176,458; published Feb. 17, 1925.

Flour, Pancake. Pokodot Cereal Company. 199,496; June 9; Serial No. 181,310; published Sept. 25, 1923.

Flour, Wheat, Cleveland Milling Company. 199,467; June 9; Serial No. 207,555; published Mar. 17, 1925.

Flour, Wheat. Dulle-Meyer Milling Company. 199,354; June 9; Serial No. 200,674; published Feb. 24, 1925.

Flour, Wheat. Dulle-Meyer Milling Company. 199,355; June 9; Serial No. 200,673; published Feb. 17, 1925.

Flour, Wheat. Eagle Roller Mill Co. 44,566; renewed July 11, 1925.

Flour, Wheat. Eagle Roller Mill Co. 46,022; renewed Sept. 5, 1925.

Flour, Wheat. J. Hoffer. 47,107; renewed Oct. 24, 1925.

Flour, Wheat. Pillsbury Mills Company. 199,499; June 9; Serial No. 178,380; published Sept. 30, 1925.

Flour, Wheat. Rodney Milling Company. 199,345; June 9; Serial No. 202,517; published Nov. 11, 1924.

Flour, Wheat. Wells-Abbott Nieman Co. 199,390; June 9; Serial No. 195,146; published June 17, 1924.

Foods, Prepared. Globe Dairy Lunch Co. 199,458; June 9. Serial No. 206,779; published Mar. 24, 1925.

Fruit mixture which forms a jelly or marmalade when mixed in boiling water. Roberts Fruit Products, Inc. 199,289; June 9; Serial No. 209,366; published Mar. 31, 1925.

Fruits and vegetables, Fresh. Bly Robinson Co. 199,561; June 9.

Fruits, Citrous. De Soto Citrus Sub Exchange. 199,413; June 9; Serial No. 208,128; published Mar. 24, 1925.

Fruits, vegetables, cantaloupes, and strawberries, Fresh deciduous. Sacramento Growers Market, Inc. 199,332; June 9; Serial No. 205,891; published Mar. 24, 1925.

Grapes, Fresh. Mayflower Fruit Association. 199,340; June 9; Serial No. 201,816; published Mar. 24, 1925.

Ice-cream cones. Bee-Cone Co. 199,318; June 9; Serial No. 204,061; published Mar. 10, 1925.

Mayonnaise. H. H. Shannon. 199,502; June 9; Serial No. 169,330; published Mar. 24, 1925.

Milk, Fresh cows'. Sunshine Creamery, Inc. 199,451; June 9; Serial 206,443; published Feb. 24, 1925.

Molasses, sirups, and sorghums. New Orleans Coffee Co. Ltd. 47,520; renewed Nov. 7, 1925.

Oats, Rolled. Quaker Oats Company. 199,430; June 9; Serial No. 207,258; published Mar. 3, 1925.

Oats, Rolled. Quaker Oats Company. 199,431; June 9; Serial No. 207,257; published Mar. 3, 1925.

Oleomargarine. John F. Jelke Company. 199,425; June 9; Serial Nos. 207,357–8; published Mar. 3, 1925.

Oleomargarine. John F. Jelke Company. 199,477; June 9; Serial No. 207,383; published Mar. 10, 1925.

Oleomargarine. John F. Jelke Company. 199,478; June 9; Serial No. 207,380; published Mar. 10, 1925.

Oleomargarine. John F. Jelke Company. 199,479–80; June 9; Serial Nos. 207,372–3; published Mar. 10, 1925.

Oleomargarine. John F. Jelke Company. 199,481–2; June 9; Serial Nos. 207,368–9; published Mar. 3, 1925.

Oleomargarine. John F. Jelke Company. 199,483–4; June 9; Serial Nos. 207,363–4; published Mar. 3, 1925.

Oleomargarine. John F. Jelke Company. 199,485; June 9; Serial No. 207,360; published Mar. 3, 1925.

Oleomargarine. John F. Jelke Company. 199,486; June 9; Serial No. 207,358; published Mar. 3, 1925.

Oranges, lemons, and grapefruit. Fillmore Citrus Fruit Association. 199,299; June 9; Serial No. 209,470; published Mar. 31, 1925.

Pears, Fresh. Antelope Valley Fruit Growers Association. 199,564; June 9.

Prunes, Dried. Dundee Fruit Growers and Packers. 199,297; June 9; Serial No. 209,465; published Mar. 31, 1925.

Rice. American Factors, Limited. 199,309; June 9; Serial No. 204,741; published Mar. 17, 1925.

Rice polish, Treated. Vitalene Company. 199,343; June 9; Serial No. 205,457; published Feb. 24, 1925.

Sausage. Roseland Farm and Manufacturing Co. 199,472; June 9; Serial No. 207,476; published Mar. 3, 1925.

Shortening, baking, and cooking compound. Baltimore Butterine Company. 199,535; June 9; Serial No. 208,500; published Mar. 31, 1925.

Sirup, molasses, mixed candy, and peanut butter, Maple. Barrel Syrup Corporation. 199,326; June 9; Serial No. 206,213; published Mar. 24, 1925.

Sirups, Food. Takamine Laboratory, Inc. 199,501; June 9; Serial No. 176,051; published Mar. 24, 1925.

Vegetables, Fresh. Farm Products Sales Co. 199,398; June 9; Serial No. 192,014; published Mar. 24, 1925.

Vegetables, grapes, canteloupes, and berries, Fresh. Y. Okawara & Co. 199,358; June 9; Serial No. 199,383; published Mar. 24, 1925.

CLASS 50.

Lasts, blind awnings, animal traps, etc., Shoe. American Wholesale Corporation (Baltimore Bargain House). 199,505; June 9; Serial No. 136,054; published Mar. 24, 1925.

Rat-catching compound. Federal Laboratories. 199,330; June 9; Serial No. 195,289; published July 22, 1924.

Tents, tarpaulins, wagon covers, etc. Chicago Textile Products Company. 199,461; June 9; Serial No. 206,826; published Mar. 17, 1925.

Textile fabrics enameled or rendered waterproof. Standard Textile Products Company. 199,438; June 9; Serial No. 207,105; published Mar. 3, 1925.

ALPHABETICAL LIST OF LABELS.

A. C. Hynd's Hygienic Hair Life. For Hygienic Hair Life. A. C. Hynd. 28,784; June 9.

Blue Bay Orange Marmalade, Blue Bay Preserving Co., San Francisco. For Orange Marmalade. E. B. Tomlinson. 28,792. June 9.

Borden's Star Brand Sweetened Condensed Milk. For Sweetened Condensed Milk. Borden Company. 28,775; June 9.

Brit-L-Nut. For Confections, Candies, Nuts, and Candy-Covered Nuts. Illinois Nut Products Co. 28,786; June 9.

Bruner's Ladies' Conqueror. For Toilet Preparation—Namely, Toilet Water. B. Bruner. 28,776; June 9.

California Club. For Ginger Ale. California Bottling Works. 28,777; June 9.

Du-Pros Strictly Pure Shellac. For Shellac. James B. Day & Co. 28,779; June 9.

Golden Peanut Brittle. For Confections, Candies, Nuts, and Candy-Covered Nuts. Illinois Nut Products Co. 28,785; June 9.

Herd's 1879 Hair Luxuriant. For Hair Tonic. F. S. Herd. 28,783; June 9.

Lynne Brand. For Combination Relish. Lynne Pure Food Co. 28,789; June 9.

Lynne Brand. For Mayonnaise Dressing. Lynne Pure Food Co. 28,790; June 9.

Lynne Brand. For Tartar Sauce. Lynne Pure Food Co. 28,791; June 9.

Modern Sweets, Coast to Coast Package. For Candy. Kalamazoo Paper Box Company. 28,787; June 9.

Odorkure. For a Disinfectant. G. J. Lovell. 28,788; June 9.

Pure Effervescent Salts—Scotch Style. For Beverage Salts. Effervescent Salts Co. 28,780; June 9.

Quality. For Cocoa. Jas. H. Forbes Tea & Coffee Co. 28,781; June 9.

Sky Land. For Goodies, a Food Product. J. H. Clanahan. 28,778; June 9.

The Harbaugh Interposed Antenna. For Antenna. D'Forrest Harbaugh & Co. 28,782; June 9.

ALPHABETICAL LIST OF PRINTS.

Try A Package Of 5¢ O K Vens 5¢. For Candy Mints. D. E. Coffman. 7,982. June 9.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coke. New England Coal and Coke Company. 212,150; June 9.

Leather, Chrome-tanned. Heinrich Bierling G. m. b. H. 209,086; June 9.

Seed, Alfalfa. Northern Montana Alfalfa Growers Association. 205,062; June 9.

Sheepskins, Finished. Drake Corporation. 212,129; June 9.

CLASS 2.

Paper bags. Crown Willamette Paper Company. 210,851; June 9.

Tanks. Warren City Tank & Boiler Company. 195,318; June 9.

CLASS 4.

Abrasive cloths and paper. United Hardware & Tool Corporation. 211,635; June 9.

Cleaner, Dry. O. F. Louis. 210,851; June 9.

Cleaner, Floor. Schalk Chemical Co. 196,260; June 9.

Liquid for removing stains and spots from woolen and textile goods, garments, etc. A. W. Hass. 212,252; June 9.

Preparation for cleaning false teeth. Kahre Manufacturing Company. 210,906; June 9.

Soap, soap chips, scouring and washing powders. Lavo Company of America. 210,672; June 9.

Soaps. H. C. Thompson. 205,248; June 9.

Soaps, Toilet and shaving. Palmolive Company. 210,139; June 9.

Washing powder. A. A. Hastings. 212,382; June 9.

CLASS 6.

Bleach, Face. Plough Chemical Company. 160,061; June 9.

Boiler compounds (disincrustants). J. Herck. 210,846; June 9.

Compositions for use in carbonizing wool, etc. H. A. Metz & Co. 210,247; June 9.

Dental cream. Kolynos Company. 209,857; June 9.

Hair oils, greases, etc. Madam E. Nelson. 206,630; June 9.

Liniment. W. R. Ramey. 210,184; June 9.

Medicinal preparation. Marvel Pharmacal Co. 212,014; June 9.

Mineral fluids, powders, and salves for rheumatism, etc. T. M. Ferguson. 209,531; June 9.

Nail polish, polish remover, nail white, and cuticle remover. J. Cogen. 212,244; June 9.

Niter, camphor, turpentine, and ammonia, calomel, etc., Spirit of. Behrens Drug Company. 211,568; June 9.

Ointment for eczema, etc. Seeck & Kade, Inc. 212,868; June 9.

Perfumes. M. Régnier. 200,221; June 9.

Preparation for the relief of inflammation and pain. R. C. Purcell. 212,151; June 9.

Rodent poison. W. R. Wheeler. 207,426; June 9.

Salt. Atlantic Salt Co. 199,205; June 9.

Salts, Liver. J. E. Abras. 205,400; June 9.

Tablets, pills, powders, tinctures, etc. E. Pfaller. 205,775; June 9.

Tooth paste. Sterile Products Co. 209,707; June 9.

CLASS 7.

Cordage and twines. F. C. Fischer. 193,514; June 9.

CLASS 8.

Explosives. Stockton Miners' Compound Manufacturing Company. 213,409; June 9.

CLASS 11.

Ink, Printing. E. A. Hess. 201,558; June 9.

CLASS 12.

Brick and fire-clay shapes, Fire. Stevens (Incorporated). 207,184; June 9.

Cement. Arco Company. 212,470; June 9.

Eaves trough, roofing, etc. New Orleans Roofing & Metal Co. 206,585; June 9.

Logs, lumber, piling, and ties. E. B. Walker. 206,335; June 9.

Lumber and veneers. Williamson Veneer Company. 210,869–72; June 9.

Panels and wood veneer. Algoma Panel Co. 211,072; June 9.

Plaster, plaster of Paris, and calcined gypsum. Wall. United States Gypsum Company. 212,410; June 9.

Shingles. Amalgamated Roofing Company. 195,854; June 9.

Slate, Roofing. John D. Emack Company. 212,374–5; June 9.

Wall board and building paper. Beaver Products Company. 208,949; June 9.

CLASS 14.

Castings and forgings. Coplan Steel Corporation. 205,111; June 9.

CLASS 15.

Candles. V. M. Vols. 210,634; June 9.

Gasoline, lubricating oils and greases. Hygrade Oil & Fuel Corporation. 207,190; June 9.

Greases used in the manufacture of leather. Vacuum Oil Company. 213,415; June 9.

Oil, Automobile. Richardson Lubricating Company. 210,756; June 9.

CLASS 16.

Paint and paint enamels. Mamolith Carbon Paint Company. 205,934; June 9.

Paint, oils, varnish, etc. R. H. Oakley. 206,862; June 9.

Paints, enamels, varnishes, and paint remover. C. W. Sockett. 209,877; June 9.

Polish, Furniture. Knot Mfg. Co. 208,854; June 9.

Polishing liquids. Buffalo Specialty Company. 210,881; June 9.

CLASS 17.

Cigarettes. Penn Tobacco Company. 211,047–9; June 9.

Cigars, cigarettes, cigarillos, tobacco. Haas Neuerburg o. H. G. 201,437; June 9.

Cigars, stogies, cigarettes, tobacco. Haas Neuerberg o. H. G. 201,440–1; June 9.

Tobacco, snuff, cigars, stogies, and cigarettes. Haas Neuerburg o. H. G. 201,436; June 9.

Tobacco, snuff, cigars, stogies, and cigarettes. Haas Neuerburg o. H. G. 201,445; June 9.

Tobacco, snuff, cigars, stogies, and cigarettes. Haas Neuerburg o. H. G. 201,448; June 9.

CLASS 19.

Automobile springs, Spring covers for. Anderson Manufacturing Company. 212,467; June 9.

Bumpers. C. G. Spring and Bumper Company. 212,478; June 9.

CLASS 21.

Batteries and dry cells, Radio and flash-light. C. Rossbach. 207,889; June 9.

Battery flash lights and casings therefor. National Carbon Company. 209,583; June 9.

Coils and transformers. Precise Manufacturing Corporation. 204,419; June 9.

Coils used in radio apparatus. Federal Telegraph Company. 205,115; June 9.

Electric circuits, Resistance units for controlling. W. H. Frasse. 206,235; June 9.

Electric-light units. Fullerton Electric Co. 210,055; June 9.

Electric-wiring connecters. Electric Outlet Company. 196,797; June 9.

Electrical circuits, Resistance units for. Cole Radio Manufacturing Corporation. 212,059; June 9.

Induction coils. Eastern Coil Corp. 210,720; June 9.

Insulated electric wires. American Wiremold Company. 210,822; June 9.

Insulated electric wires or conductors. Acorn Insulated Wire Company. 206,356–7; June 9.

Motor-control devices. Research Engineering Corporation. 212,350; June 9.

Radio apparatus, parts, and appurtenances. Garod Corporation. 209,783; June 9.

Radio head sets, receiving sets, coils, etc. Boedeker and Wentworth. 211,569; June 9.

Radio instruments, Adjusting dials for. E-Z Toon Radio Co. 210,895; June 9.

Radio receiving sets. Ludwig Baumann & Co. 211,775; June 9.

Radio receiving sets. Manda Radio Manufacturing Company. 211,856; June 9.

Radio receiving sets. A. H. Patterson. 210,401; June 9.

Radio receiving sets. Quaker City Paper Box Company. 209,864; June 9.

Radio receiving sets. Standard Radio Corporation. 204,865; June 9.

Radio receiving sets. Washburn Crosby Company. 212,164; June 9.

Radio receiving sets and parts thereof. Advance Radio Research Laboratories. 210,821; June 9.

Radio receiving sets and parts thereof. M. Morris. 211,736; June 9.

Radio receiving sets, loud speakers and units, etc. Electrical Research Laboratories, Inc. 210,869; June 9.

Radio signaling apparatus and parts thereof. Central Radio Laboratories. 207,918; June 9.
Spark plugs. Jupiter Spark Plug Company. 212,882; June 9.

CLASS 22.

Baseballs. Marathon Rubber Company. 212,388; June 9.
Baseballs and cores therefor. Wright & Ditson Victor Co. 213,271; June 9.
Bicycles, Children's. A. Mecky Company. 206,252; June 9.
Dolls. Arranbee Doll Company. 213,057; June 9.
Dolls. Gem Toy Company. 212,912; June 9.
Fishing rods and reels. Montague City Rod Co. 203,136; June 9.
Games, Blowgun target. J. A. Redner. 212,035; June 9.
Golf balls. L. Bamberger & Company. 213,355; June 9.
Scooters. Corcoran Manufacturing Company. 213,007; June 9.
Tennis racket. W. Bancroft. 211,774; June 9.
Tennis rackets. N. J. Marnan Corporation. 212,940; June 9.

CLASS 23.

Chucking and screw machines. New Britain Machine Co. 206,432; June 9.
Kitchen and household tools or utensils. A. & J. Manufacturing Co. 211,963–4; June 9.
Knives, razors, and shears. Union Cutlery Co. 213,268; June 9.
Pumps, Water-circulating. American Grinder Mfg. Co. 209,606; June 9.
Razor blades. A. Schullinger. 213,323; June 9.
Thrashing machinery, tractors, silo fillers, and feed cutters. Belle City Manufacturing Company. 210,035; June 9.

CLASS 24.

Drying racks. J. S. Waterhouse. 195,931; June 9.
Washing and drying machines and parts and appliances therefor, Laundry. George W. Dunham Corporation. 211,084; June 9.

CLASS 26.

Pictures, Motion. Independent Pictures Corporation. 212,140; June 9.
Watches, watch movements, and parts of same. Hipp. Didisheim Company. 175,083; June 9.

CLASS 28.

Bracelets, buckles for strap bracelets and metal bracelets, Clasps for ribbon. Hadley Company. 212,859; June 9.
Bracelets, watch bracelets, and wristbands. Louis Stern Company. 213,312; June 9.
Brooches, bar and scarf pins, pendants, rings, bracelets. Harris Steinmeyer & Co. 210,729; June 9.
Compact cases, mesh bags, purses, rings, bracelets, etc. Gilbert & Co. 205,750; June 9.
Necklaces, earrings, pendants, and bracelets. Bakelite Corporation. 212,532; June 9.
Pearls and pearl necklaces. Carson Pirie Scott & Co. 212,853; June 9.
Pearls, necklaces, rings, bracelets, etc., Artificial. Arnold, Constable & Co. 208,033; June 9.

CLASS 32.

Seats, chairs, couches, etc., Household. E. P. Farrell. 210,375; June 9.

CLASS 33.

Watch crystals. Germanow-Simon Machine Co. 211,928; June 9.

CLASS 34.

Ranges and stoves. Roesch Enamel Range Company. 210,622; June 9.

CLASS 35.

Pump valves and sheet, etc., packing. Crandall Packing Company. 206,222; June 9.
Tire covers. Hinson Mfg. Company. 211,472; June 9.
Tires, Rubber inner tubes for automobile. J. B. Burwell Supply Company. 210,275; June 9.
Transmission, brake, and friction linings. World Bestos Corporation. 212,661; June 9.

CLASS 36.

Banjos, mandolins, guitars, etc. C. Bruno & Son, Inc. 210,949; June 9.
Clarinet and saxophone reeds. M. F. Beal. 213,157; June 9.
Harmonicas, Mouth. M. Hohner, Inc. 208,050; June 9.
Musical instruments, Resin preparation for use with stringed. A. Hanson. 209,085; June 9.
Phonograph needles. Steel Products Manufacturing Company. 211,064; June 9.

CLASS 37.

Blanks and commercial forms, Legal. H. H. Woodward. 209,890; June 9.
Paper items. B. A. Railton Co. 205,783; June 9.
Paper towels. Bay West Paper Co. 207,337; June 9.
Paper, Wrapping. John Leslie Paper Company. 211,042; June 9.
Paper, Wrapping. Westfield River Paper Company. 209,955; June 9.
Pen, Fountain. J. D. Cardinell. 210,442; June 9.
Sanitary seats and covers for commodes, bedpans, and toilets. E. M. Howell. 210,663; June 9.

CLASS 38.

Book, Radio call. Citizens Radio Service Bureau. 211,257; June 9.
Books. Harper & Brothers. 196,807; June 9.
Cards, Name. E. M. Bloomhall. 202,436; June 9.
Magazine, Monthly. Empire Publishing Company. 211,023; June 9.
Newspaper column, Matter produced for. K. Kaye. 212,273; June 9.
Photographs. Pacific & Atlantic Photos, Inc. 213,254; June 9.
Publication, Periodical. A. B. Hirschfeld. 209,067; June 9.
Publication, Periodical. R. Wilke. 211,644; June 9.

CLASS 39.

Blouse, Sport. Flannocrat Mfg. Co. 209,633; June 9.
Bust supporters, underwear, garters, and hats. Z. M. Richards. 187,838; June 9.
Clothing. Alfred Decker & Cohn, Inc. 211,836; June 9.
Clothing. Alfred Decker & Cohn, Inc. 211,838; June 9.
Clothing. Alfred Decker & Cohn, Inc. 212,484; June 9.
Coats, blouses, trousers, caps, etc. Lewis M. Weed Co. 206,941; June 9.
Coats, vests, pants, caps, and hats, Hunting. Alward Mfg. Company. 208,445; June 9.
Dresses. Gottlieb & Spar. 210,726; June 9.
Dresses. Star-Maid Dresses, Inc. 207,034; June 9.
Fur coats. Kreitman & Newman. 212,558–60; June 9.
Hats, Ladies'. Gage Brothers & Company. 212,490; June 9.
Hosiery. Davenport Hosiery Mills. 212,597; June 9.
Infants' wear and apparel. Infants' Utilities Corporation. 212,004; June 9.
Shirts, underwear, scarfs, hosiery, etc. J. Van Collom. 208,836; June 9.
Shoe shanks. R. E. Bartels. 211,567; June 9.
Suits and coats. Hart, Schaffner & Marx. 212,615–16; June 9.
Underwear, Children's. Wundiewear Company. 205,802; June 9.

CLASS 42.

Blankets. Esmond Mills. 212,426; June 9.
Broadcloth of cotton, silk, or mixtures thereof in the piece. Lustberg, Nast & Co. 208,915; June 9.
Cotton piece goods. H. Jacob & Sons, Inc. 212,084; June 9.
Curtains, nets, and curtain lace in piece goods, Lace. Quaker Lace Company. 211,947; June 9.
Silk, wool, etc., piece goods. Haas Brothers Fabrics Corporation. 212,256–7; June 9.
Woolen goods. S. Stein & Co. 211,957; June 9.
Woolen piece goods. Forstmann & Huffmann Company. 211,914; June 9.
Woolen piece goods. Forstmann & Huffmann Company. 212,177; June 9.

CLASS 43.

Thread. Elmore Company. 212,063; June 9.
Thread. Elmore Company. 212,068; June 9.
Thread. Elmore Company. 212,071; June 9.
Thread. Elmore Company. 212,076; June 9.

CLASS 44.

Applicators, Oral. R. J. Vaughan. 210,633; June 9.
Bandages, Crêpe. Grout and Company, Limited. 212,553; June 9.
Massaging devices and obesity-reducing bands. T. Lawton. 177,852; June 9.

CLASS 45.

Beverage. C. W. Rice. 212,044; June 9.
Beverages and extracts and syrups for making same. C. F. Wagner. 211,639; June 9.

CLASS 46.

Beef, ham, bacon, etc., Chipped. F. Briggs. 207,550; June 9.
Candy. N. L. Miles. 196,177; June 9.
Chocolate. Runkel Brothers, Inc. 199,826; June 9.
Chocolate milk beverage. United Dairy Co. 181,791; June 9.
Coffee. M. E. Howatt. 212,003; June 9.
Coffee. Logan Brothers Company. 213,511; June 9.
Coffee. E. B. Sweeney. 209,111; June 9.

Coffee and a breakfast cereal. B. Urner. 192,286; June 9.
Coffee, tea, and wheat flour. H. T. Smith Company. 212,107; June 9.
Compound. H. K. Hedges. 211,682; June 9.
Feed, Stock. Royal Feed & Milling Company. 205,230; June 9.
Feeds. Phelps & Sibley Co. 211,050; June 9.
Flavorings, Food. Warren P. Rash Co. 175,520; June 9.
Flour, Wheat. Scott Logan Milling Co. 210,859; June 9.
Fruits and vegetables, Fresh citrous. A. S. Herlong & Co. 212,188; June 9.
Fruits, Fresh deciduous. Yakima Fruit & Cold Storage Company. 213,272; June 9.
Ice cream. Purity Ice Cream Co. 212,294; June 9.
Lard. C. A. Durr Packing Co. 206,402; June 9.
Macaroni, spaghetti, vermicelli, and noodles. Chicago Macaroni Co. 213,277; June 9.
Oil, cocoa, chocolate, and honey, Salad. I. Rokeach & Sons, Inc. 194,665; June 9.
Oleomargarine, Nut. Buehler Brothers, Inc. 211,077; June 9.
Olives, Ripe. Albers Packing Company. 195,850; June 9.
Oranges, lemons, and grapefruit. Upland Lemon Growers Association. 212,982; June 9.
Pears, peaches, plums and apples, and grapes, Fresh. G. A. Spencer. 211,548; June 9.
Prunes. A. Swall & Sons. 208,622; June 9.
Sirup, Table. Anheuser-Busch, Incorporated. 213,216; June 9.
Sirups for flavoring ices, puddings, etc. Horlacher Brewing Co. 211,848; June 9.
Tea, coffee, spices, jelly, etc. Fillman & Bendel, Inc. 210,327; June 9.
Vegetables, grapes, melons, and fruits, Fresh. General Produce Packers. 211,786; June 9.

CLASS 48.

Beverages, Malt. N. S. Goldberger. 209,720; June 9.

CLASS 50.

Cloth, Leather-simulating. Columbus-Union Oil Cloth Co. 205,200; June 9.
Lasts, last thimbles, and links, Toe and heel plates for. Koehler Manufacturing Company. 174,313; June 9.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A C Spark Plug Company. (See Berge, J., and Gustafson, assignors.)
Abraham, Henri, Paris, France. Wireless telegraphy. 1,541,608; June 9.
Accounting Devices Company. (See Lloyd, Arthur J., assignor.)
Ackerman, Albert H., Chicago, Ill., assignor to Commercial Steel Company. Manufacture of steel. 1,541,746; June 9.
Adams, Charles W., assignor to The United States Graphite Company, Saginaw, Mich. Contact brush for electric motors and generators. 1,541,609; June 9.
Adams, Harry H., and C. Gordon, Chicago, Ill., assignors to National Pneumatic Company. Vehicle. 1,541,676; June 9.
Adams, Henry K., Nashville, Tenn. Power reverse mechanism for locomotives. 1,540,870; June 9.
Adams, John S., Pomona, Calif. Headlight mounting. 1,540,871; June 9.
Ahrnke, Carl J. R., Weehawken, N. J. Braid-winding card label. 1,541,459; June 9.
Ajello, Gaetan, New York, N. Y. Railway car and track construction. 1,540,916; June 9.
Aktiengesellschaft vorm. Adolf Finse & Co. (See Förster, Paul, assignor.)
Alaimo, James D. (See Rivelli, Augusto, assignor.)
Albert, Walter P., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,541,806; June 9.
Aldrich, Robert, Greenwood, S. C. Safety device for lap racks. 1,541,091; June 9.
Alea, Jose A., Habana, Cuba. Manufacture of hats. 1,541,309; June 9.
Allen, Charles B., assignor to The Ohio Injector Company, Wadsworth, Ohio. Valve. 1,541,757; June 9.
American Arch Company. (See Debis, Bradley, assignor.)
American Button & Fastener Co. (See Latham, Albert, assignor.)
American Can Company. (See Lindgren, Stanley H., assignor.)
American Cellulose and Chemical Manufacturing Company. (See Briggs, J. F., and Yorke, assignors.)
American Code Machine Company. (See Powers, James, assignor.)
American Mine Door Co., The. (See Gurney, Albert J., assignor.)
American Motor Body Corporation, The. (See Hansen, Conrad T., assignor.)
American Patent Rights Corporation, The. (See Behm, Homer, assignor.)
American Radiator Company. (See Howell, Frank B., assignor.)
American Telephone and Telegraph Company. (See Hamilton, Baxter P., assignor.)
American Telephone and Telegraph Company. (See Loynes, Owen H., assignor.)
American Telephone and Telegraph Company. (See Pitcher, James L., assignor.)
Amos, Cornelius E., Cudahy, and G. F. Wilkie, Milwaukee, Wis., assignors, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for assembling tread units. 1,541,092; June 9.
Amsler, John, New York, N. Y. Lock. 1,541,093; June 9.
Amos, John A., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo. Lens holder. 1,541,094; June 9.
Anakin Lock Works. (See Kinnear, Eugene C., assignor.)
Anderson, Andrew C., Hazard, Nebr. Reed cleaner. 1,541,310; June 9.
Anderson, Ewald, Alhambra, assignor to International Precipitation Company, Los Angeles, Calif. Apparatus for electrical precipitation of suspended particles from gases. 1,541,677; June 9.
Anderson, Sidney E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube circuits. 1,541,311; June 9.
Angell, Chester M., Chicago, Ill., assignor to Vesta Battery Corporation. Feeding table. 1,540,742; June 9.
Angiada, Joseph A. (See Bogdan, J. and Angiada.)
Appel, Willem, Soerabaya, Dutch East Indies. Centrifugal separating machine. 1,540,917; June 9.
Archer, David J., Toronto, Ontario, Canada. Radiator. 1,541,610; June 9.
Archer, Thomas P., and E. E. Heintz, assignors to Terstedt Manufacturing Company, Detroit, Mich. Door lock. 1,541,312; June 9.
Arendt, Erich, assignor to Ehrhardt & Sehmer Aktiengesellschaft, Saarbrucken, Germany. Gas engine combined with a scavenging pump. 1,541,460; June 9.
Armour and Company. (See Powell, Jesse R., assignor.)
Arndt, Franklin E., assignor to The Galion Iron Works & Mfg. Co., Galion, Ohio. Front-wheel assembly for graders. 1,540,976; June 9.
Arnold, John P., assignor to Henry Disston & Sons, Incorporated, Philadelphia, Pa. Backsaw. 1,541,611; June 9.
Aronson, Louis V., Newark, N. J. Savings bank. 1,540,918; June 9.
Aronson, Louis V., Newark, N. J. Combination lock. 1,541,612; June 9.
Arthur, James B., deceased, by M. E. Arthur, executrix, Joplin, Mo. Ore concentrator. 1,541,095; June 9.
Arthur, Mary E., executrix. (See Arthur, James B.)
Aseltine, Fred E., assignor to General Motors Research Corporation, Dayton, Ohio. Mixing device. 1,541,461; June 9.
Atkinson, James S., Westminster, London, England, assignor to Société Anonyme des Appareils de Manutention & Fours Stein, Paris, France. Combustion of fuel in furnaces. 1,541,613; June 9.
Atterbury, William E., Portland, Oreg. Signaling device. 1,541,020; June 9.
Auto Laundry System Company, The. (See Badaracco, Louis J., assignor.)
Automatic Electric Company. (See Grauel, Edwin L., assignor.)
Automatic Electric Company. (See Jacobsen, Emil, assignor.)
Automatic Electric Company. (See Lomax, Clarence E., assignor.)
Automatic Electric Company. (See Savin, John, assignor.)
Automatic Electric Company. (See Savin, J., and Mercer, assignors.)
Automatic Stemmer Company. (See Eckart, George F., assignor.)
Automotive Valves Co., The. (See Burtnett, Everett E., assignor.)
Avery, Amos P., St. Petersburg, Fla. Combination golf-tee block. 1,541,462; June 9.
B-X-Saw Company, The. (See Pierce, Frederick W., assignor.)
Babcock, Charles W., Addison, assignor of one-half to H. Babcock, Rome, N. Y. Game board. 1,541,096; June 9.
Babcock, Harry. (See Babcock, Charles W., assignor.)
Bachle, Andrew, Detroit, Mich. Combination gear and ignition switch lock. 1,541,021; June 9.
Backstrom, Fridolf F., Chicago, Ill. Drum-forming machine. 1,541,551; June 9.
Badaracco, Louis J., assignor to The Auto Laundry System Company, St. Louis, Mo. Cleaning automobiles. 1,540,743; June 9.
Badaracco, Louis J., assignor to The Auto Laundry System Company, St. Louis, Mo. Apparatus for washing automobiles. 1,540,744; June 9.
Badische Anilin & Soda Fabrik. (See Krünsicin, G., Nawiasky, Cocell, Kunz, and Schuts, assignors.)
Bailey, Walter T. (See Federwitz, T. A., and Bailey.)
Bain, Zeno M., Coffee Creek, Mont. Pliers. 1,540,745; June 9.
Baldeck, Edward J., assignor, by mesne assignments, of one-half to G. E. Grey and one-half to G. J. Lloyd, New York, N. Y. Child's vehicle. 1,541,097; June 9.
Baker, Joseph, Sons and Perkins Limited. (See Head, E., and Prescott, assignors.)
Baker, William E., Erie, Pa. Crank-shaft and connecting-rod mechanism. 1,541,758; June 9.
Balcerwicz, Julius G., assignor of one-half to C. A. Safranski, Grand Rapids, Mich. Tire carrier for automobiles. 1,541,313; June 9.
Baldwin, Frederick M., Los Angeles, Calif. Arm vehicle signal. 1,541,098; June 9.
Baldwin, James P., Los Angeles, Calif. Shock absorber. 1,540,746; June 9.
Baldwin, Simon E., Galva, Ill. Tire-chain fastener. 1,541,314; June 9.

Baldwin, William A., Winnipeg, Manitoba, Canada. Sheaf loader. 1,540,919; June 9.
Baldwin, William A., Winnipeg, Manitoba, Canada. Sheaf loader. 1,541,463; June 9.
Ball, Joseph A., Wollaston, and E. A. Weaver, Brookline, assignors, by mesne assignments, to Technicolor Motion Picture Corporation, Boston, Mass. Printing complemental pictures. 1,541,315; June 9.
Ballou, Franklin B., assignor to Standard Products Corporation, Salem, Mass. Casing for vehicle springs. 1,540,977; June 9.
Bancroft, Erwin P., Brooklyn, and M. B. Kerr, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic telegraph system. 1,541,316; June 9.
Banning, Thomas A., jr., Wilmette, Ill. Meter and the like. 1,540,747; June 9.
Barber-Colman Company. (See Mitchell, Raymond C., assignor.)
Barkelj, Jean A. H., Los Angeles, Calif. Internal-combustion engine. 1,541,238; June 9.
Barkelj, Jean A. H., Los Angeles, Calif. Internal-combustion engine. 1,541,239; June 9.
Barkelj, Jean A. H., Long Beach, Calif. Power transmission. 1,541,240; June 9.
Barnard, William M., Springfield, Mass. Sash-weight-core-forming device. 1,541,614; June 9.
Barnebey, Oscar L., and M. B. Cheney, deceased, Cleveland, Ohio; J. B. Cheney, administratrix; said J. B. Cheney as administratrix assignor to said Barnebey. Manufacture of activated material. 1,541,099; June 9.
Barrett, Charles S., Venice, Calif. Swimming paddle. 1,541,100; June 9.
Bartel, Henry, Milwaukee, Wis. Phonograph. 1,541,022; June 9.
Barthel, Oliver E., Detroit, Mich. Grease cup. 1,540,978; June 9.
Barton, Elmer A., assignor of one-half to H. W. Juby, Philadelphia, Pa. Picker connection for looms. 1,541,023; June 9.
Bassick Manufacturing Company, The. (See Winkley, Frank D., assignor.)
Bassick Manufacturing Co., The. (See Fealer, Douglas F., assignor.)
Bassick Manufacturing Company, The. (See Davis, Ernest W., assignor.)
Bates, Albert H., Cleveland Heights, Ohio, assignor to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Apparatus for making hollow rubber articles. 1,540,872; June 9.
Bates Manufacturing Company, The. (See Hinman, George L., assignor.)
Bauer, Walter, assignor to Röhm & Haas Aktiengesellschaft, Darmstadt, Germany. Manufacturing ethylene-dihalides. 1,540,748; June 9.
Bauer, Wilhelm J. L., Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Collecting electrodes for electrical gas-cleaning apparatus. 1,541,678; June 9.
Baxter, Hector M., Battle Creek, Iowa. Snow fence. 1,541,241; June 9.
Bay City Foundry & Machine Company, The. (See Fone, William J., assignor.)
Beach, Arthur A., Glendale, Calif. Screw-driving device. 1,540,749; June 9.
Beach, Howard W. (See Reichenbach, Carl L., assignor.)
Beck, Adolf. (See Schreiber, G., and Beck.)
Beck, William O., Ridgefield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,540,750; June 9.
Bedgood, Hubert O., Glasgow, assignor to Lobnitz & Company Limited, Renfrew, Scotland. Drag-line excavator. 1,541,464; June 9.
Beenk, Herbert A., Cedar Rapids, Iowa. Telephone attachment. 1,541,679; June 9.
Behm, Homer, Tulsa, Okla., assignor to The American Patent Rights Corporation, Dover, Del. Oil mixture for use in treating petroleum-oil material. 1,541,242; June 9.
Behm, Homer, Tulsa, Okla., assignor to The American Patent Rights Corporation, Dover, Del. Producing decomposed oil material. 1,541,243; June 9.
Belknap, William L., Fairfield, Conn. Valve. 1,541,465; June 9.
Bell, Arthur J. A., Okotoks, Alberta, Canada. Back-cleaning device. 1,541,466; June 9.
Bell, John E., Brooklyn, assignor to Power Specialty Company, New York, N. Y. Superheater. 1,541,205; June 9.
Bellavance, Paul J., assignor of one-half to J. E. Gallant, Attleboro, Mass. Separable button. 1,541,317; June 9.
Belluche, Frank R., Mansfield, Mass. Valve. 1,541,318; June 9.
Benedict, T. N., Mfg. Co. (See Saunders, Albert F., assignor.)
Benedict, T. N., Mfg. Co. (See Saunders, Albert F., assignor.)
Bengtsson, Bror J., Kallered, Sweden. Hand brace and similar tool. 1,541,467; June 9.
Benjamin Electric Manufacturing Company. (See Benjamin, Reuben B., assignor.)
Benjamin, Reuben B., assignor to Benjamin Electric Manufacturing Company, Chicago, Ill. Attachment plug. 1,541,024; June 9.
Benner, Harry P. (See Egloff, G., and Benner.)
Benner, Harry P. (See Egloff, G., and Benner.)
Benson, Frank R., Kecoughtan, assignor to Newport News Shipbuilding & Dry Dock Company, Newport News, Va., Hoisting apparatus. 1,540,751; June 9.
Benson, William W., Chipley, Ga. Form for concrete construction. 1,541,244; June 9.
Berge, Joseph, and E. A. Gustafson, assignors to A C Spark Plug Company, Flint, Mich. Speedometer-driving mechanism. 1,541,468; June 9.
Berger, Otto, Mesa, Ariz. Haying table. 1,541,319; June 9.
Bergh, Louis T., Fairoaks, Calif. Jack. 1,540,873; June 9.
Bergquist, Henry V., New York, N. Y. Game. 1,541,680; June 9.
Bernays, Ely. (See Hers, Gustave L., assignor.)
Bernert, George and J., Milwaukee, Wis. Pneumatic conveyer. 1,541,469; June 9.
Bernert, Jacob. (See Bernert, George and J.)
Bernstein, Jacob. (See Neuwirth, H., and Bernstein.)
Berryman, Hannibal, Centerville, Mont. Self-filling pencil. 1,540,920; June 9.
Besseesen, Alfred N., Minneapolis, Minn. Syringe. 1,541,615; June 9.
Best, Frank E., Inc. (See Moritz, Harold K., assignor.)
Betulander, Gotthilf A., Sodertorns Villastad, Sweden, assignor to The Relay Automatic Telephone Company, Limited, London, England. Electrical switching device. 1,541,470; June 9.
Beverley, Julia, administratrix. (See Beverley, Richard B.)
Beverley, Richard B., deceased, Hebardsville, Ga.; J. Beverley, administratrix. Fencepost. 1,541,747; June 9.
Beyer, Otto S., assignor to E. W. Bliss Company, Brooklyn, N. Y., Drawing press. 1,541,025; June 9.
Bibbins Ball Compass, Inc. (See Bibbins, Royal E., assignor.)
Bibbins, Royal E., New York, N. Y., assignor to Bibbins Ball Compass, Inc. Ball-controlled maritime and scientific instrument. 1,541,775; June 9.
Bidal, Paul, Paris, France. Fastening device for leggings. 1,540,921; June 9.
Bielicke, William F., Berlin-Neukolln, Germany. Objective lens system. 1,540,752; June 9.
Biles, Reginald W. (See Leeson, B. H., and Biles.)
Biltmore Lighting Fixture Co. (See Pens, William, assignor.)
Birch, James S., Chicago, Ill. Shoring device. 1,540,753; June 9.
Bissell, F., Company, The. (See Lines, Sterling C., assignor.)
Blachorovitch, Alexandre S., Paris, France, assignor to H. G. Bralower and M. Bralower, New York, N. Y. Agglomerated material and making the same. 1,540,922; June 9.
Black, Thomas W., Eaton, Ind. Stock-watering apparatus. 1,541,471; June 9.
Blackmore, Charles C., Dayton, Ohio. Flying machine. 1,540,754; June 9.
Blackmore, Charles C., Dayton, Ohio. Shock absorber. 1,541,101; June 9.
Blackstone Manufacturing Company. (See More, Glenn, assignor.)
Blair, Jeff M., Humble, Tex. Link. 1,540,923; June 9.
Blake, George W., Wyandotte, Mich. Clothes-boiler attachment. 1,541,552; June 9.
Blaw-Knox Company. (See Brynoldt, Christian, assignor.)
Blewett, Arthur R., assignor to The Blewett Tractor Company, Tacoma, Wash. Tractor machine. 1,541,026; June 9.
Blewett Tractor Company, The. (See Blewett, Arthur R., assignor.)
Bliss, E. W., Company. (See Beyer, Otto S., assignor.)
Bloom, Harry J., and A. Slatis, New York, N. Y. Ring. Des. 67,485; June 9.
Bloom, Oscar T., assignor to Swift & Company, Chicago, Ill. Machine for testing jelly strength of glues, gelatins, and the like. 1,540,979; June 9.
Blumenthal, Sidney, & Co. (See Konlay, Clarence V., assignor.)
Bogdan, John, Newark, N. J., and J. A. Angiade, Jenkintown, Pa. Pneumatic cushion wheel. 1,540,924; June 9.
Boggs, Benjamin C., East Lake, Ala. Bricklayer's gauge. 1,541,616; June 9.
Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y. Chandelier. Des. 67,486; June 9.
Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y. Body for lighting fixtures. Des. 67,487; June 9.
Bohl, Hugo, Westfield, N. J., assignor to Radiant Lighting Fixture Company, New York, N. Y. Bracket back for lighting fixtures. Des. 67,488; June 9.
Boldue, Adonias D., New Bedford, Mass. Stopping mechanism for roving and the like machines. 1,541,681; June 9.

Booth, James W., and T. C. Corlass, Keighley, England. Let-off mechanism for looms. 1,540,828; June 9.
Born, Julius M., St. Paul, Minn. Rim expanding and contracting device. 1,541,617; June 9.
Born, William F., Lakewood, Ohio. Cooking appliance. 1,541,472; June 9.
Bornfreund, Leopold, New York, N. Y. Sanitary sugar dispenser. 1,541,245; June 9.
Bornholdt, Louis L. (See Rasmussen, H., and Bornholdt.)
Boruchow, Irving, Brooklyn, N. Y. Manicuring instrument. Des. 67,489; June 9.
Bouso, Manuel, Habana, Cuba. Implement for cutting grass. 1,540,925; June 9.
Bowen, Charles A., Portsmouth, Ohio. Lubricating system. 1,541,682; June 9.
Bowen, William C. (See Wilder, Richard H., assignor.)
Bowman, Herbert S., St. Joe, Ind. Calendar. 1,541,102; June 9.
Boylan, Samuel H., Joplin, Mo. Slime concentrator. 1,541,246; June 9.
Bradley, Harvey E. (See Winget, E. T., Bradley, and Walter.)
Bradley, H. E., Co. (See Winget, E. T., Bradley, and Walter, assignors.)
Bradner, Donald B., Philadelphia, Pa. Method and apparatus for dispersing toxic and other irritant substances. 1,541,103; June 9.
Brady, Glen H., Shinnston, W. Va. Fencepost. 1,540,755; June 9.
Bralower, Henry G., et al. (See Blachorovitch, Alexandre S., assignor.)
Bralower, Morris, et al. (See Blachorovitch, Alexandre S., assignor.)
Brandwood, John, T. Brandwood, and J. Brandwood, Bury, England. Apparatus for the drying of wound yarns after liquid treatment thereof. 1,540,926; June 9.
Brandwood, Joseph. (See Brandwood, John, T., and J.)
Brandwood, Thomas. (See Brandwood, John, T., and J.)
Breitenbach, Julius M., New York, and W. Schroeder, Brooklyn, N. Y. Industrial truck. 1,541,473; June 9.
Briggs, Frank R., and G. T. McLeod, Brookline, assignors to Thomas G. Plant Company, Roxbury, Mass. Shoe and heel therefor. 1,541,320; June 9.
Briggs, Harold L., Canastota, N. Y. Crumb tray. Des. 67,490; June 9.
Briggs, John F., and W. Yorke, Spondon, near Derby, England, assignors to American Cellulose and Chemical Manufacturing Company, Limited. Apparatus for the production of artificial silk and the like. 1,541,104; June 9.
Broido, Benjamin, assignor to The Superheater Company, New York, N. Y. Exhaust-steam injector. 1,541,321; June 9.
Broome, William J., Los Angeles, Calif. Seat bed. 1,541,105; June 9.
Brosey, Arthur J., Chicago, Ill. Curtain stretcher. 1,540,874; June 9.
Brössler, Franz, Vienna, Austria. Asbestos-slate material and manufacturing it. 1,541,106; June 9.
Browder, Jack. (See Cotten, B., and Landers, assignors.)
Brown, Carl D., assignor to Draper Corporation, Hopedale, Mass. Warp stop mechanism for looms. 1,541,759; June 9.
Brown Company. (See Eble, Elwood, assignor.)
Brown, Frederick M., Fort Dodge, Iowa. Fastener and tightener for tire chains. 1,540,756; June 9.
Brown, Harold W., assignor to General Electric Company, Schenectady, N. Y. Relay. 1,541,618; June 9.
Brown, Maurice E., Amsterdam, N. Y. Mathematical model. 1,541,247; June 9.
Brown, Robert B., Spokane, Wash. Tire. 1,541,027; June 9.
Brown, S. G., Limited. (See Brown, Sidney G., assignor.)
Brown, Sidney G., assignor to S. G. Brown Limited, North Acton, England. Sound amplifier or similar article. Des. 67,491; June 9.
Brown, William H., Cleveland, Ohio. Dust excluder for internal-combustion engines. 1,541,107; June 9.
Brownlee, Dalmar T., Indianapolis, Ind. Vehicle spring and mounting therefor. 1,541,474; June 9.
Bruce, Arthur J., Hollywood, Calif., assignor to National Gypsum Products Company. Hollow-tile machine. 1,541,206; June 9.
Bruder, Albert A., Holly, Mich. Furnace grate. 1,541,108; June 9.
Brynoldt, Christian, Pittsburgh, Pa., assignor to Blaw-Knox Company. Construction of dams. 1,541,475; June 9.
Buckingham, Earle, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Forming helicoidal surfaces. 1,540,757; June 9.
Buedingen, Elsa K., assignor to Priddy & Buedingen, New York, N. Y. Tea cosy. Des. 67,492. June 9.
Buehler, Philip H., Washington, D. C. Life, heaving, and other types of lines. 1,541,683; June 9.
Burke, Eugene I. (See Crane, Clarence S., assignor.)
Burke, George W., jr., Dayton, Ohio. Spring-clip bracket for Burke hand fire extinguishers. 1,540,758; June 9.
Burlington Brass Works. (See Harper, George A., assignor.)
Burnett, Ira A., Chicago, Ill. Hand-brush casing. Des. 67,493; June 9.
Burnett, John P., Whitakers, N. C. Liquid-adhesive holder. 1,540,829; June 9.
Burns, Frank E. (See McKnight, H. A., and Burns.)
Burns, James J., et al. (See Shaffer, John E., assignor.)
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,541,207; June 9.
Burtnett, Everett R., assignor to The Automotive Valves Co., Los Angeles, Calif. Internal-combustion engine. 1,541,208; June 9.
Burton, Charles S., Oak Park, Ill. Function-multiplying device for automatic mechanisms. 1,541,109; June 9.
Busch, Ferdinand W., Berlin, N. Dak. Fuel economiser. 1,541,684; June 9.
Buscher, John H., Washington, D. C. Cue-tip holder. 1,541,110; June 9.
Businger, Emil F., assignor to G. Reis & Bro., Inc., New York, N. Y. Machine for printing on label tape. 1,541,476; June 9.
Buvinger, George A., and C. Warner, assignors to Delco-Light Company, Dayton, Ohio. Pumping apparatus. 1,541,111; June 9.
Buvinger, George A., assignor to Delco-Light Co., Dayton, Ohio. Pumping apparatus. 1,541,112; June 9.
Byrum, Almon C., Stockton, Ill. Hand cultivator. 1,541,113; June 9.
C. G. Spring & Bumper Company, The. (See Girl, Christian, assignor.)
C. G. Spring & Bumper Company, The, (See Jandus, Herbert S., assignor.)
Cahill, James H., and R. H. Kingdon, assignors to Sears, Roebuck and Co., Chicago, Ill. Pneumatic paint-brush. 1,540,759; June 9.
Caldwell, Charles P., Kansas City, Mo. Grate. 1,541,619; June 9.
Caldwell, Clarence H., Oak Park, Ill. Copying process and apparatus for typewriters. 1,541,322; June 9.
Calkins, William G. (See Wineman, C. P., and Calkins.)
Cameron Can Machinery Company. (See Cameron, William, assignor.)
Cameron, John S., Elliott, Ill. Grain door. 1,541,620; June 9.
Cameron, William, assignor to Cameron Can Machinery Company, Chicago, Ill. Automatic die press. 1,541,760; June 9.
Camlin Corset Co. (See Raymond, Lessage, assignor.)
Campbell, Douglas S., assignor to The Pocahontas Oil Company, Cleveland, Ohio. Sign. Des. 67,494; June 9.
Carborundum Company, The. (See Hutchins, Otis, assignor.)
Cardin, Oscar C., Valentine, Nebr. Assembling device. 1,540,760; June 9.
Carey-Gavey Syndicate Limited. (See Higginson, Kingsley, assignor.)
Carini, Mario, assignor of one-half to A. Vannucci, Belle Vernon, Pa. Spraying mechanism for coke ovens. 1,541,621; June 9.
Carlson, Elmer R., Galva, Ill. Pliers. 1,541,248; June 9.
Carman, Charles L., Riverside, Calif. Ball or pebble mill. 1,541,114; June 9.
Carpenter, Thomas F., assignor of one-fourth to C. H. Schokmiller, St. Louis, Mo. Demountable rim. 1,541,477; June 9.
Cartasso, Giacomo, Oakland, Calif. Coffin. 1,541,323; June 9.
Carver, George W., Tuskegee, Ala. Paint and stain and producing the same. 1,541,478; June 9.
Cary, James W. (See Weaks, M. L., and Cary.)
Casey-Hedges Co., The. (See Stimmel, Frederick C., assignor.)
Cawood, Horace M., Los Angeles, Calif. Gas stove. 1,541,685; June 9.
Central Iron & Steel Company. (See Irons, Robert H., assignor.)
Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)
Chambers Brothers Company. (See King, Howard K., assignor.)
Chandler, Daniel L., assignor by mesne assignments, to Vend Ada Corp., Fitchburg, Mass. Vending and advertising machine. 1,541,622; June 9.
Chandler, Daniel L., assignor, by mesne assignments, to Vend Ada Corp., Fitchburg, Mass. Vending machines with spurious-coin detector. 1,541,623; June 9.
Chapman, Clarence M., Terryville, assignor to The Chapman Machine Company, Plymouth, Conn. Electric soldering iron. 1,541,324; June 9.
Chapman, Isaiah, Eckelson, N. Dak. Attachment for stapling machines. 1,541,625; June 9.
Chapman Machine Company, The. (See Chapman, Clarence M., assignor.)
Chapman, Penrose B., St. Louis, Mo. Taping machine. 1,541,626; June 9.
Charles, Alfred W., Butte, Mont. Valve. 1,540,927; June 9.
Chemische Fabrik Griesheim Elektron. (See Schreiber, G., and Beck, assignors.)
Cheney, Josephine B., administratrix. (See Barnebey, O. L., and Cheney.)
Cheney, Merritt B. (See Barnebey, O. L., and Cheney.)
Chicago Pneumatic Tool Company. (See Smith, William A., assignor.)

China, Frederick J. E., Esher, England. Extracting material. 1,541,115; June 9.
Chormann, Otto, I., assignor to The Pfaudler Company, Rochester, N. Y. Churn. 1,540,761; June 9.
Chute, Elizabeth, Minneapolis, Minn. Thread cutter. 1,541,624; June 9.
Cincinnati Time Recorder Company, The. (See Lawton, Hugh, M., assignor.)
Citizens of the United States of America. (See Thelen, Rolf.)
Clark and Company Limited. (See McLintock, Duncan M., assignor.)
Clarke, Ira M., New Martinsville, W. Va. Ash tray. Des. 67,495; June 9.
Clarkson-Jones, Thomas H., Toronto, Ontario, Canada. Floor-treating apparatus. 1,541,325; June 9.
Clausing, George, assignor to The Vulcan Last Company, Portsmouth, Ohio. Last. 1,541,028; June 9.
Clement, Alvah W., assignor, by mesne assignments, to W. H. Smith, East Cleveland, Ohio. Acid-resisting alloy. 1,540,928; June 9.
Clerc, Camille and A. R. Nihoul, Paris, France. Manufacture of magnesia from dolomite. 1,541,116; June 9.
Cline, Charles A., Marion, Iowa. Storeroom rack. 1,541,686; June 9.
Clough, Alfred N., San Jose, Calif. Ladder. 1,541,326; June 9.
Coaster Skate Manufacturing Company. (See Dunberg, David W., assignor.)
Coblens, S Philip Baytown, and S. P. Coleman, Corpus Christi, Tex., assignors to Humble Oil and Refining Company. Treating of hydrocarbon oil. 1,540,929; June 9.
Cochran, Clyde E., assignor to The Etwell-Parker Electric Company, Cleveland, Ohio. Industrial truck. 1,541,029; June 9.
Cochran, Joseph, Duluth, Minn. Smoke filter. 1,541,117; June 9.
Cohen, Morris, New York, N. Y. Package slitter. 1,541,030; June 9.
Cohn, Irwin E., New York, N. Y. Toy with voice and movable features. 1,541,479; June 9.
Cole, Lyndon C., Hamilton, Ohio. Loading and unloading means for axle lathes. 1,541,118; June 9.
Coleman, Stewart P. (See Coblents, S P., and Coleman.)
Comey, R. H., Brooklyn Company. (See Geisler, Edgar W., assignor.)
Commercial Steel Company. (See Ackerman, Albert H., assignor.)
Commercial Steel Company. (See Cumings, Charles, assignor.)
Compton, Marshall S., and E. G. Schreibeis, New York, N. Y. Transparent stencil. 1,541,480; June 9.
Connecticut Telephone & Electric Company, The. (See Johnson, Joseph E., assignor.)
Connor, James F., Cleveland, Ohio. Cuff link. 1,541,249; June 9.
Continuous Transit Company. (See Putnam, Henry S., assignor.)
Cook, Bert E., et al. (See Sawtelle, Charles A., assignor.)
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. 1,541,627; June 9.
Cordes, George C., Detroit, Mich. Tobacco pipe. 1,540,762; June 9.
Corell, Martin. (See Kränzlein, G., Nawiasky, Corell, Kunz, and Schutz.)
Corlass, Thomas C. (See Booth, J. W., and Corlass.)
Corona, Samuel V., Janesville, Wis. Fountain pen. 1,540,763; June 9.
Cory, Charles C., Sioux City, Iowa. Illuminating device. 1,541,687; June 9.
Cory, Harvey, Chicago, Ill. Radiohousing. Des. 67,496; June 9.
Cotten, Boyd, and M. L. Landess, assignors of one-third to J. Browder, Dallas, Tex. Illuminated gearshift lever ball for motor vehicles. 1,541,200; June 9.
Cowan, Charles O., Palo Alto, Calif. Wall sheathing. 1,541,481; June 9.
Cowley, James T., assignor to The Lamson Company, Syracuse, N. Y. Conveyer. 1,541,410; June 9.
Cox, George B., Wray, Colo. Railway tie. 1,541,688; June 9.
Crane, Clarence A., Cleveland, Ohio. Box or similar article. Des. 67,497; June 9.
Crane, Clarence S., assignor of one-half to E. I. Burke, Champaign, Ill. Bending machine. 1,541,327; June 9.
Crasilneck, Jake N., San Antonio, Tex. Binding for shoe-heel facings. 1,540,980; June 9.
Crawford, Frank, sr., New Brunswick, N. J. Thread guide for stop motions. 1,541,628; June 9.
Creamery Package Mfg. Company. (See Valerius, T. L., and Larsen, assignors.)
Cregor, Nathan M. (See Hoffman, C., Grigsby, and Cregor.)
Creighton, Frank M., Americus, Ga., assignor to Moore Dry Kiln Co., Jacksonville, Fla. Dry kiln. 1,541,629; June 9.
Crompton & Knowles Loom Works. (See Holmes, Elbridge R., assignor.)
Crompton & Knowles Loom Works. (See Wilkinson, Joseph, assignor.)
Crooks, Guy A. (See Hendricks, Hiram V., assignor.)
Cross, Walter M., Kansas City, Mo., assignor to Gasoline Products Company, New York, N. Y. Apparatus for treating petroleum oils. 1,540,764; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Canopy for lighting fixtures. Des. 67,498; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 67,499; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 67,500; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Spider for lighting fixtures. Des. 67,501; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Plate for lighting fixtures. Des. 67,502; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Loop for lighting fixtures. Des. 67,503; June 9.
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Brace for lighting fixtures. Des. 67,504; June 9.
Crowther, Thomas H. (See Fenton, A. M., and Crowther.)
Culp, Herbert, Willoughby, Ohio. Bottle holder. 1,541,250; June 9.
Culver, Howard P., assignor of one-half to J. H. Randolph, Parkersburg, W. Va. Refrigerating apparatus. 1,541,482; June 9.
Cumings, Charles, Chicago, Ill., assignor to Commercial Steel Company. Manufacture of steel. 1,541,745; June 9.
Curtis, James J., New York, N. Y. Quoin. 1,541,770; June 9.
Curtis, James J., New York, N. Y. Quoin. 1,541,771; June 9.
Cushman, Solomon F., Beverly, Mass. Device for suspending sheet material. 1,540,980; June 9.
Czapek, Stanley, Detroit, Mich., assignor to Radiant Specialty Company. Lighting fixture. Des. 67,505; June 9.
Dalby, Arthur J., Concord, near Sydney, New South Wales, Australia. Ground line marker. 1,541,228; June 9.
Daniels, Charles E., Atchison, Kans. Piston-ring-fitting apparatus. 1,540,765; June 9.
Daniels, Samuel, and A. C. Zimmerman, assignors to Thomas Rutmann, trustee, Dayton, Ohio. Metal process. 1,540,766; June 9.
D'Ardenne, Walter H., Lawndale, assignor to Heintz Manufacturing Company, Philadelphia, Pa. Door lock. 1,541,483; June 9.
Dasco Import Co. (See Goldvogel, Harry E., assignor.)
Daumann, Wilhelm, assignor to C. H. F. Müller, Röntgenröhrenfabrik, Hamburg, Germany. High-voltage electron tube. 1,541,484; June 9.
Davidson, Charles J., Milwaukee, Wis. Water-level regulator. 1,541,031; June 9.
Davis, Albert E., Buffalo, N. Y. Advertising device. 1,540,830; June 9.
Davis, Cleland, Englewood Cliffs, N. J., assignor to National Torpedo Company, Augusta, Me. Decreasing the visibility of the wake of automobile torpedoes. 1,541,689; June 9.
Davis, Ernest W., Oak Park, assignor to The Bassick Manufacturing Company, Chicago, Ill. Coupling. 1,541,329; June 9.
Davis, Harry A., assignor to Draper Corporation. Hopedale, Mass. Warp stop mechanism for looms. 1,541,761; June 9.
Davis, Latta O., assignor to W. M. Fogarty, trustee, Indianapolis, Ind. Clutch. 1,541,411; June 9.
Davis, Latta O., assignor to W. M. Fogarty, trustee, Indianapolis, Ind. Clutch. 1,541,748; June 9.
Day, Albert, Wimbam Grove, London, England. Machine for making and filling packets. 1,540,767; June 9.
Dayton Engineering Laboratories Company, The. (See Hunt, John H., assignor.)
Deakin, Gerald. (See Polinkowsky, L., and Deakin.)
De Bernard, Alejandro, Habana, Cuba. Faucet and similar device. 1,541,251; June 9.
De Bothezat, George, and I. I. Bremseff, Dayton, Ohio. Air-speed meter. 1,541,412; June 9.
De Busk, William H., assignor to The P. & M. Company, Chicago, Ill. Rail anchor. 1,540,875; June 9.
Decker, William M. Buffalo, N. Y. Nursing bottle. 1,541,330; June 9.
Dederer, Richard, Sindelfingen, Wurttemberg, Germany, assignor to W. Luttgen, New York, N. Y. Electric cut-out. 1,541,252; June 9.
Deere & Company. (See Lay, Francis M., assignor.)
Deere & Company. (See Winholt, Elnar A., assignor.)
Delco-Light Company. (See Buvinger, George A., assignor.
Delco-Light Company. (See Buvinger, G. A., and Warner, assignors.)
De Moos, Charles, Fort Lee, Mich., assignor to Eastman Kodak Company, Rochester, N. Y. Automatic photographic-film-supplying machine. 1,540,831; June 9.

Denmire, Harold A., assignor to The General Tire and Rubber Company, Akron, Ohio. Bead-buffing machine. 1,541,762; June 9.
Dennis, Earl, Detroit, Mich. Electric switch box. 1,541,485; June 9.
De Rusha, William, Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Forming holes in rubber articles. 1,541,119; June 9.
De Santis, Ferdinando, Framingham, Mass. Automobile bumper. 1,541,381; June 9.
Des Roberts, Joseph G., Portsmouth, N. H. Irreversible steering device for automobiles. 1,541,120; June 9.
Detroit Twist Drill Company. (See Wineman, C. P., and Calkins, assignors.)
Deweese, Thomas E. (See Howard, M. R., and Deweese.)
Dieterich, Ludwig M., New Brunswick, N. J. Loud speaker. Des. 67,506; June 9.
Diller, George A., and P. F. Peterson, Milwaukee, Wis.; said Peterson assignor to said Diller. Oil burner. 1,541,768; June 9.
Disston, Henry, & Sons, Incorporated. (See Arnold, John P., assignor.)
Dixon, William M. (See Fancher, L. E., and Dixon.)
Dobie, Bradley, Elmhurst, N. Y., assignor to American Arch Company. Furnace roof. 1,541,486; June 9.
Doble, Frank C., Winchester, Mass. Insulating medium for transmission of intelligible sounds. 1,541,121; June 9.
Dobrin, Daniel, Detroit, Mich., assignor to Radiant Specialty Company. Bracket back for lighting fixtures. Des. 67,507; June 9.
Dodge, Arthur H., assignor to The J. G. Wilson Corporation, New York, N. Y. Sound-insulating partition. 1,540,932; June 9.
Dodge, Charles H., and R. H. E. Schlecht, St. Louis, Mo. Megaphone. 1,541,122; June 9.
Dodge, H. C., Company. (See Medboldt, Louis T., assignor.)
Doe, William B., Skyland, N. C., assignor of one-half to E. W. Grove, St. Louis, Mo. Wall board. 1,541,332; June 9.
Doherty, Henry L. (See Laird, Wilbur G., assignor.)
Donovan, John J., Oakland, Calif. Swinging windows. 1,541,123; June 9.
Doolittle, Henry P., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,540,981; June 9.
Dorn, William. (See Hesterman, E. H., and Dorn.)
Douglas, Paul H. (See Thomas, I. D., and Douglas.)
Dowling, Peter, Paterson, N. J. Repairing panels of vehicle bodies. 1,541,333; June 9.
Drabold, Walter, Detroit, Mich. Repair patch. 1,540,982; June 9.
Drake, Albert H., West Valley, N. Y. Power-developing device. 1,541,690; June 9.
Draper Corporation. (See Brown, Carl D., assignor.)
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Stimpson, Edward S., assignor.)
Draver, Emil R., Richmond, Ind., assignor of one-fourth to H. E. Pfenning, one-fourth to E. D. Wright, one-fourth to A. Willis, and one-fourth to L. P. Kaufman, Boston, Mass. Carrier for demountable rims. 1,541,413; June 9.
Dremel, Albert J., Racine, Wis. Electric hair clipper. 1,541,334; June 9.
Dubbs, Carlton P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Apparatus for distilling liquids. 1,541,210; June 9.
Dubilier Condenser & Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation. Electrical condenser for ignition circuits. 1,541,650; June 9.
Duckham, Arthur M., London, England. Furnace for heating hollow cylinders. 1,541,691; June 9.
Duffy, James S., Rahway, N. J., assignor to Linemosaic Co. Inc., New York, N. Y. Mosaic surface and making it. 1,541,631; June 9.
Dumouchel, Edward J., assignor to Shakespeare Company, Kalamazoo, Mich. Fish bait or lure. 1,541,632; June 9.
Dunberg, David W., New York, N. Y., assignor to Coaster Skate Manufacturing Company, Inc., Erie, Pa. Coaster skate. 1,541,763; June 9.
Duncan, William R., Chicago, Ill. Automatic stop for talking machines. 1,541,253; June 9.
Duncanson, Walter E., assignor to The J. G. Wilson Corporation, New York, N. Y. Sound-insulating partition. 1,540,931; June 9.
Dunham, Orson W., Treece, Kans. Stuffing box for bearings. 1,541,124; June 9.
Dunn, James H., Beckley, W. Va. Automobile tire valve. 1,541,125; June 9.
Dunn, William, Redwood City, Calif. Golf club. 1,541,126; June 9.
Dunsweiler, Carl J., assignor to Willard Storage Battery Company, Cleveland, Ohio. Storage-battery container. Des. 67,508; June 9.
Durstine, Roy S., Scarsdale, N. Y., assignor to Lever Brothers Company, Cambridge, Mass. Cake of soap or similar article. Des. 67,509; June 9.
Dwyer, Joseph F., Seattle, Wash. Tension mechanism for ticket ribbons. 1,540,876; June 9.
Easker, John, Cedar Rapids, Iowa. Ham-boiling form. 1,541,033; June 9.
Eastman Kodak Company. (See Van Derhoef, Henry E., assignor.)
Eastman Kodak Company. (See De Moos, Charles, assignor.)
Eastman Kodak Company. (See Punnett, Milton B., assignor.)
Eastman, Robert W., Racine, Wis. Automatic spacing and locking means for presses. 1,541,335; June 9.
Eaton, John, Schenectady, N. Y., assignor to General Electric Company. Normally-closed switch. 1,541,632; June 9.
Ebie, Elwood, assignor to Brown Company, Berlin, N. H. Method of and means for the measurement of colors. 1,540,768; June 9.
Eckart, George F., Mishawaka, Ind., assignor to Automatic Stemmer Company, Chicago, Ill. Tobacco-stemming machine. 1,541,487; June 9.
Economy Baler Company. (See Langford, George W., assignor.)
Economy Products Corporation. (See Kean, C. E., and Hahn, assignors.)
Edison Electric Appliance Company. (See Randolph, Charles P., assignor.)
Edmond, Oscar G., assignor of one-half to White Pine Sash Company, Spokane, Wash. Rotary cutter. 1,541,034; June 9.
Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for cracking oil. 1,540,934; June 9.
Egloff, Gustav, and H. P. Beaner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Apparatus for treating oil. 1,541,554; June 9.
Ehrhardt & Schmer Aktiengesellschaft. (See Arendt, Erich, assignor.)
Eilert, Alfred, St. Louis, Mo. Pressing machine. 1,540,877; June 9.
Electric Outlet Company. (See Merrill, John J., assignor.)
Electrical Improvements Limited. (See Leeson, B. H., and Biles, assignors.)
Elevator Supplies Company. (See Weeks, William W., assignor.)
Elfson, Robert B., assignor of one-half to L. W. Williams, Roebling, N. J. Kitchen furniture. 1,541,692; June 9.
Ellis, Carleton, Montclair, N. J., assignor to Ellis-Foster Company. Cold-molded product and making same. 1,541,336; June 9.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y., Coating composition and varnish reviver. 1,541,693; June 9.
Ellis-Foster Company. (See Ellis, Carleton, assignor.)
Elmer, Oscar B., New Orleans, La. Air drier for candy jars. 1,541,127; June 9.
Elonen, Mathew, Conneaut, Ohio. Running-board saddle for box cars. 1,541,254; June 9.
Etwell-Parker Electric Company, The. (See Cochran, Clyde E., assignor.)
Ely, Bernard M., assignor to Lambert Machine Company, Marshall, Mich. Grinding burr. 1,541,488; June 9.
Ely, Bernard M., assignor to Lambert Machine Company, Marshall, Mich. Power-transmitting mechanism. 1,541,489; June 9.
Engel, Oscar F., Hartford, Conn. Game apparatus. 1,540,878; June 9.
Engler, Gustave, New York, N. Y. Amplifier. 1,541,694; June 9.
Ennis, Commie L., Boykins, Va. Lamp hanger. 1,541,128; June 9.
Ensign Carburetor Company, The. (See Hart, Robert E., assignor.)
Eremeeff, Ivan I. (See de Bothezat, G., and Eremeeff.)
Ericson, Charles O., Helmetta, N. J. Drier. 1,540,769; June 9.
Erwin, Orlando R., Milwaukee, Wis., assignor to Foamite-Childs Corporation, New York, N. Y. Fire-extinguishing apparatus. Re16,094; June 9.
Evans, Guy J., Buffalo, N. Y. Signal for automobiles. 1,541,035; June 9.
Everitt, Gordon D., Detroit, Mich. Score card and tray turner for tile game sets. 1,541,554; June 9.
Evr Klean Seat Pad Co. (See Reece, John, assignor.)
Fafnir Bearing Company, The. (See Bearles, Raymond R., assignor.)
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Fairchild Aerial Camera Corporation. (See Fairchild, S. M., and Ives, assignors.)
Fairchild, Sherman M., Oneonta, N. Y., and H. E. Ives, Montclair, N. J., assignors to Fairchild Aerial Camera Corporation, New York, N. Y. Making photographs for mapping and other purposes. 1,541,555; June 9.
Fairhurst, John T., Elisabeth, N. J., assignor to The J. G. Wilson Corporation, New York, N. Y. Folding partition. 1,540,933; June 9.
Farley, John W., Cleveland, Ohio. Pipe hanger. 1,541,129; June 9.
Farman, Arthur F., Oakland, Calif. Spark plug. 1,541,633; June 9.

Faucher, Le Roy E., and W. M. Dixon, Richmond, Calif. Pin tool. 1,541,695; June 9.
Federwitz, Theodore A. (See Nitsch, C. H., and Federwitz.)
Federwitz, Theodore A., and W. T. Bailey, assignors to Stokes and Smith Company, Philadelphia, Pa. Box-covering machine. 1,541,036; June 9.
Federwitz, Theodore A., and W. T. Bailey, assignors to Stokes and Smith Company, Philadelphia, Pa. Box-covering machine. 1,541,255; June 9.
Feix, Ernst, Tacoma, Wash. Cinder precipitator. 1,541,337; June 9.
Fenton, Alexander M., and T. H. Crowther, Cleckheaton, assignors to "Scandinavia" Belting, Limited, London, England. Production of friction disks, washers, brake linings, and the like. 1,540,983; June 9.
Ferris, Howard J., assignor to Hunt-Helm-Ferris & Company, Harvard, Ill. Pedal car. 1,541,490; June 9.
Fesler, Douglas F., Evanston, assignor to The Bassick Manufacturing Co., Chicago, Ill. Coupling member. 1,541,338; June 9.
Fetter, Edward, Baltimore, Md. Tub and flap. 1,540,879; June 9.
Field, Michael B., assignor to Kelvin Bottomley & Baird, Limited, Glasgow, Scotland. Filar control. 1,540,770; June 9.
Finch, Charles W., Vanleer, Tenn. Harness hame hook. 1,541,339; June 9.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Roof and forming the same. 1,541,130; June 9.
Finnicum, Louis G., St. Paul, Minn. Tire rim for automobile wheels. 1,541,131; June 9.
Fire Gun Manufacturing Company. (See Tunnell, Harry E., assignor.)
Fisher, Charles D., New Rochelle, assignor to The Toy Kroftera, Inc., Beacon, N. Y. Toy building block. 1,541,556; June 9.
Fisher, Ernest M., Atlanta, Ga. Automatic feeding device. 1,541,132; June 9.
Fisher, Francis L., assignor of one-half to W. H. Smith, San Francisco, Calif. Bookbinder. 1,541,696; June 9.
Fisk Rubber Company, The. (See Ames, C. B., and Wikle, assignors.)
Fisk Rubber Company, The. (See De Rusha, William, assignor.)
Fisk Rubber Company, The. (See Rossbach, Clement A.; assignor.)
Flannery Bolt Company. (See Landgraf, Frederick K., assignor.)
Fleming, Walter P., Highland Park, Mich. Drive-a-way towing fixture. 1,541,037; June 9.
Fletcher, Ernest B., assignor to Fletcher Manufacturing Co. Limited, Toronto, Ontario, Canada. Bread pan. 1,541,634; June 9.
Fletcher Manufacturing Co. (See Fletcher, Ernest B., assignor.)
Foamite-Childs Corporation. (See Erwin, Orlando R., assignor.)
Fogarty, William M., trustee. (See Davis, Latta O., assignor.)
Folkman, Joseph. (See Folkman, Morris, assignor.)
Folkman, Morris, assignor of one-half to J. Folkman, Cleveland, Ohio. Badge fastener. 1,541,340; June 9.
Follmer, Willis M. (See Graham, Robert S., assignor.)
Fone, William J., assignor to The Bay City Foundry & Machine Company, Bay City, Mich. Power take-off mechanism. 1,540,935; June 9.
Ford, Clyde M., Dearborn, Mich. Vehicle control. 1,541,038; June 9.
Ford, Lewis E., Salmanca, N. Y. Tool receptacle or carrier. 1,541,211; June 9.
Forsberg, Oscar F., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Contact bank for coordinate switches. 1,541,841; June 9.
Förster, Paul, assignor to Aktiengesellschaft vorm. Adolf Finze & Co., Nuremberg, Germany. Chuck jaw. 1,540,832; June 9.
Forti, Antonio, New York, N. Y. Hat-holding device. 1,541,133; June 9.
Fortin, François A., Pincher Creek, Alberta, Canada. Tire remover. 1,541,491; June 9.
Forwood, George F. and J. G. Taplay, assignors to United Kingdom Oil Company Limited, London, England. Treatment of hydrocarbon. 1,541,697; June 9.
Foster, Edward S., Boston, Mass. Wicket and stake for indoor croquet. 1,540,771; June 9.
Foster Machine Company. (See McKean, John O., assignor.)
Fostoria Glass Company. (See Magee, William H., assignor.)
Fox, John H., Pittsburgh, Pa., assignor to Pittsburgh Plate Glass Company. Apparatus for making corrugated wire glass. 1,541,635; June 9.
Frank, Mathew H., Stockett, Mont. Gate. 1,541,698; June 9.
Fraternali, Henry, Dobbs Ferry, N. Y. Foot warmer. 1,540,984; June 9.
Fraser, Walter L., San Diego, Calif. Satchel. 1,541,256; June 9.
Freeth, Francis A., and L. A. Munro, Hartford, England. Alkaline accumulator. 1,541,699; June 9.
Friedrich, Edward, San Antonio, Tex. Butcher's freezer display counter. Des. 67,510; June 9.
Friel, Aloysius I., Philadelphia, Pa. Combination ironing board and serving table. 1,541,342; June 9.
"Frisco" Manufacturing Co., The. (See Mortensen, August, assignor.)
Fuller, Ira L., Greenfield, Ind. Weather fan. 1,541,557; June 9.
G & G Fixture Co., The. (See Walker, Ernest A.)
Gade, Samuel, New York, N. Y. Valve. 1,541,558; June 9.
Galion Iron Works & Mfg. Co., The. (See Arndt, Franklin E., assignor.)
Gallaher, Clyde O. (See Southward, G. B., and Gallaher.)
Galland, Jean, Boulogne-sur-Seine, France. Truck for use in maneuvering aircraft. 1,541,700; June 9.
Galliant, Joseph E. (See Bellavance, Paul J., assignor.)
Garankin, Theodore P., New York, N. Y. Automatic gas and electric coupling for railway cars. 1,540,936; June 9.
Gardner, Francis W. (See Parsons, C. A., and Gardner.)
Gasoline Products Company. (See Cross, Walter M., assignor.)
Gauld, Harry W., Brandon, Manitoba, Canada. Starter for gas engines. 1,541,559; June 9.
Gaunt, Martin F., New York, N. Y. Hose supporter. 1,541,701; June 9.
Gauntt, Warren S., assignor to E. H. Borsback, Kansas City, Mo. Combination churn and freezer. 1,541,636; June 9.
Geisendorfer, George, Warrenton, Oreg. Lawn sprinkler. 1,541,702; June 9.
Geisinger, Arthur F., assignor to A. J. Holsbauer, Milwaukee, Wis. Tool-sharpening device. 1,541,560; June 9.
Geisler, Edgar W., assignor to R. H. Comey Brooklyn Company, Brooklyn, N. Y. Treating green vegetable fiber. 1,541,257; June 9.
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Method and apparatus for making wire glass. 1,541,637; June 9.
Geistharp, Frederick, Tarentum, Pa., assignor to Pittsburgh Plate Glass Company. Method and apparatus for making wire glass. 1,541,638; June 9.
General Electric Company. (See Brown, Harold W., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Eaton, John, assignor.)
General Electric Company. (See Guay, Emile J., assignor.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Jennings, Walter E., assignor.)
General Electric Company. (See Merrill, Wilbur L., assignor.)
General Electric Company. (See Miller, Levi B., assignor.)
General Electric Company. (See Skaupy, F., and Koref, assignors.)
General Electric Company. (See Steenstrup, Christian, assignor.)
General Motors Corporation. (See Mason, Arthur C., assignor.)
General Motors Research Corporation. (See Aseltine, Fred E., assignor.)
General Motors Research Corporation. (See Lee, Charles L., assignor.)
General Motors Research Corporation. (See O Brien, William L., assignor.)
General Motors Research Corporation. (See Short, C. R., and Hart, assignors.)
General Tire and Rubber Company, The. (See Denmire Harold A., assignor.)
George, Harry C. (See Hayden, J. B., Morris and George.)
Georgia, William B., Waco, Tex. Eyeglass lens. Des. 67,511; June 9.
Gerlach, Frank W., Kenton, Ohio. Adjustable waisted and abdomen supporting garment. 1,541,703; June 9.
Gerlach, Oscar, La Salle, Ill. Zinc-oxide-recovery process and by-products thereof. 1,541,561; June 9.
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 67,512; June 9.
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 67,513; June 9.
Gerth, Ruth L., Minneapolis, Minn. assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 67,514; June 9.
Gibbs, James W., Victoria Park, assignor of one-half to J. Lockhart, West Perth, Western Australia, Australia. Foresight. 1,540,772; June 9.
Gies, Jakobus, Frankfort-on-the-Main, Germany, assignor to International Precipitation Company, Los Angeles, Calif. Semiconducting collecting electrode for electrical precipitators. 1,541,704; June 9.
Gilbert, Max, Bronx, T. Guida, and S. Katz, Brooklyn, N. Y. Bobbin-thread-supply holder and guide. 1,541,562; June 9.
Gilchrist, William A. (See Wertheim, F. E., and Wetherbee, assignors.)

Gillam, Wallace R., Tallmadge, assignor to Lambert Tire & Rubber Co., Barberton, Ohio. Tire. Des. 67,515; June 9.
Gilpin, Francis, Colorado Springs, Colo. Attachment for miter boxes. 1,541,134; June 9.
Ginet, Joseph H., Denver, Colo. Apparatus for treating bituminous shale and the like. 1,541,135; June 9.
Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,541,039; June 9.
Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,541,040; June 9.
Girl, Christian, Kalamazoo, assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Fender guard. 1,541,041; June 9.
Givens, Edward F. and L. Lindsay, Los Angeles, Calif.; said Givens assignor to W. W. Lincoln. Ladder. 1,540,937; June 9.
Globe-Wernicke Company, The. (See Salt, Elmer H., assignor.)
Goerts, August. (See Goerts, Frederick, assignor.)
Goerts, Frederick, South Orange, N. J., assignor to August Goetz & Co. Lock. Des. 67,516; June 9.
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,541,343; June 9.
Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching mechanism. 1,541,344; June 9.
Goldberg, Abe, et al. (See Walker, Ernest A., assignor.)
Goldberg, William, et al. (See Walker, Ernest A., assignor.)
Goldman, Joseph, Chicago, Ill. Stand lamp. 1,541,778; June 9.
Goldvogel, Harry E., assignor to Dasco Import Co., Inc., New York, N. Y. Tobacco pipe. 1,541,345; June 9.
Goldvogel, Harry E., assignor to Dasco Import Co., Inc., New York, N. Y. Cleaning attachment for tobacco pipes. 1,541,346; June 9.
Goodrum, Charles L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,541,347; June 9.
Goodwin, Jay L., Fresno, and A. B. Washburn, Hanford, Calif. Direction signal for motor vehicles. 1,541,348; June 9.
Goodyear, Claude E., Kidderminster, England. Lamp suitable for use on vehicles. 1,541,706; June 9.
Goplin, Clinton G., Fargo, N. Dak. Grave-decorating structure. 1,541,414; June 9.
Gordon, Charles. (See Adams, H. H., and Gordon.)
Gordon, Herman, Louisville, Ky. Buckle. Des. 67,517; June 9.
Gordon, Ralph W., Rapid City, S. Dak. Scraping blade for bearings. 1,540,938; June 9.
Gormack, Edward S., Chicago, Ill. Spark plug. 1,541,042; June 9.
Goss, Oliver P. M., Seattle, Wash., and E. H. Rawson, Portland, Oreg. Drying lumber. 1,541,349; June 9.
Goss, Oliver P. M., Seattle, Wash., and E. H. Rawson, Portland, Oreg. Drying lumber. 1,541,350; June 9.
Gottlich, Walter, Dallas, Tex. Sanitary drinking jacket for bottles. 1,541,258; June 9.
Gottschalk, Otto, Dresden, Germany. Closure for containers. 1,540,833; June 9.
Graham, Charlotte, New York, N. Y. Case for gloves and the like. 1,541,563; June 9.
Graham, John L. (See Hilton, E. W., and Graham.)
Graham, Robert S., assignor of one-half to W. M. Follmer, New York, N. Y. Resilient cap for the keys of typewriters or similar machines. 1,541,043; June 9.
Graham, Robert S., assignor of one-half to W. M. Follmer, New York, N. Y. Resilient cap for the keys of typewriters or similar machines. 1,541,044; June 9.
Graham, Robert S., assignor of one-half to W. M. Follmer, New York, N. Y. Resilient cap for the keys of typewriters or similar machines. 1,541,045; June 9.
Grant, Rufus H., Westbrook, Me., assignor to Rice, Barton & Fales, Incorporated, Worcester, Mass. Paper-making machine. 1,540,774; June 9.
Grauel, Edwin L., Rochester, N. Y., assignor to Automatic Electric Company, Chicago, Ill. Watchman's service. 1,540,775; June 9.
Greenhow, Annie K., administratrix. (See Greenhow, Thomas P.)
Greenhow, Thomas P., deceased. Flint, Mich.; A. K. Greenhow, administratrix. Engine cylinder and making same. 1,541,415; June 9.
Greer, Butler P., San Francisco, Calif. Savings bank. 1,541,564; June 9.
Gregorie, David G., Pahiatua, New Zealand. Lawn mower. 1,540,834; June 9.
Gregory, Otho R., Winter Garden, Fla. Windshield screen. 1,540,985; June 9.
Gregory, William S., Cincinnati, Ohio. Animal trap. 1,541,639; June 9.
Grey, George E., et al. (See Baisden, Edward J., assignor.)
Griffin, Ester T. (See Lancaster, Charles P., assignor.)
Grigsby, Harry D. (See Hoffman, C., Grigsby, and Cresor.)
Grohe, Louis W., Racine, Wis. Draft equaliser. 1,541,840; June 9.
Grove, Edwin W. (See Doe, William B., assignor.)
Grove, Rene D., Middletown, Pa. Toy duck. Des. 67,518; June 9.
Guay, Emile J., Swampscott, Mass., assignor to General Electric Company. Manufacture of laminated material from spinnable textile woven fabrics and an adhesive binder. 1,541,641; June 9.
Guber, Frederick H., Roselle, N. J. Variable-inductance device. 1,540,880; June 9.
Guenther, Darrell J., assignor to Schmidt Lithograph Company, San Francisco, Calif. Packing fresh fruit and pad therefor. 1,541,492; June 9.
Guilberson Corporation, The. (See Kaough, Joseph W., assignor.)
Guilberson Corporation, The. (See Mowers, Osmyn, assignor.)
Guida, Thomas. (See Gilbert, M., Guida, and Katz.)
Gunn, Fred W., Boston, Mass. Tool for applying wire clamps to hose couplings. 1,541,136; June 9.
Gurney, Albert J., assignor to The American Mine Door Co., Canton, Ohio. Wire hanger. 1,541,493; June 9.
Gustafson, Edwin A. (See Berge, J., and Gustafson.)
Guth, Edwin F., St. Louis, Mo. Lighting fixture. 1,541,259; June 9.
Guth, Edwin F., St. Louis, Mo. Support for lighting fixtures. 1,541,260; June 9.
Guyton & Camfer Manufacturing Company, The. (See McFarland, Owen D., assignor.)
Hafner, Georg, New York, N. Y. Heater. 1,540,776; June 9.
Hahn, Harry W. (See Keas, C. E., and Hahn.)
Hainsworth, Robert B., Maywood, Ill. Wheel puller. 1,541,565; June 9.
Hale, James E., Akron, Ohio. Demountable-rim construction. 1,541,642; June 9.
Hall, August W., Chicago, Ill. Folding machine. 1,541,351; June 9.
Hall, George R., Dayton Township, Newaygo County, Mich. Combined sash lift and window lock. 1,541,046; June 9.
Halle, Hiram J., assignor to Universal Oil Products Company, Chicago, Ill. Process and apparatus for distilling oils. 1,540,986; June 9.
Halliburton, Erle P., Duncan, Okla. Method of and apparatus for mixing materials. 1,541,352; June 9.
Hamburg, Edward G., Philadelphia, Pa. Headlight lens. 1,541,706; June 9.
Hamilton, Baxter P., River Edge, N. J., assignor to American Telephone and Telegraph Company. Telegraph repeater. 1,540,835; June 9.
Hammett, Edmund J. Y., Lansdale, Pa. Smoker's article. 1,541,353; June 9.
Hammond, John H., jr., Gloucester, Mass. Receiving system for radiant energy. 1,540,881; June 9.
Hanbeck, Frank G., Allegany, N. Y. Game. 1,541,707; June 9.
Hanford, George S., Lakewood, assignor to The Teagle Company, Cleveland, Ohio. Impulse coupling for magnetos. 1,541,137; June 9.
Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Solid shot bit. 1,540,882; June 9.
Hansen, Conrad T., Detroit, Mich., assignor to The American Motor Body Corporation, Philadelphia, Pa. Seat end. Des. 67,519; June 9.
Hansen, Hans C., Charlottenlund, near Copenhagen, Denmark. Machine for the manufacture of fencing. 1,540,939; June 9.
Härje, August B., Copenhagen, Denmark. Electric clock. 1,541,138; June 9.
Harley, Erskine P., Oklahoma City, Okla. Cool cushion and seat. 1,541,212; June 9.
Harley, Erskine P., Oklahoma City, Okla. Seat cushion. 1,541,213; June 9.
Harness, Foster, Oilton, Okla. Milk cooler. 1,541,708; June 9.
Harper, George A., assignor to Burlington Brass Works, Burlington, Wis. Faucet. Des. 67,520; June 9.
Harris, Isaac F., Tuckahoe, N. Y. Vitamine preparation. 1,540,883; June 9.
Harris, Robert, assignor of one-half to Pictorial Machinery Limited, London, England. Photographic copying, enlarging, and reducing apparatus. 1,541,214; June 9.
Harris, Thomas F., New York, N. Y. Adjustable shade-roller-supporting means. 1,541,261; June 9.
Harrison, George D., North Attleboro, Mass., assignor to Providence Stock Company, Providence, R. I. Wrist-watch bracelet. 1,541,764; June 9.
Harrison, Henry, Philadelphia, Pa. Display box and sign holder. 1,541,354; June 9.
Harrison, Owen L., Coleta, Ill. Stove. 1,541,494; June 9.
Hart, Robert E., assignor to The Ensign Carbureter Company, Los Angeles, Calif. Double-bearing throttle. 1,541,047; June 9.
Hart, Roscoe N. (See Short, C. R., and Hart.)
Hasting, William T., Fort Worth, Tex. Preventing corrosion of battery posts and terminals connected thereto. 1,541,495; June 9.
Hastings, Mabel J., Loma Portal, Calif. Bed canopy. 1,541,215; June 9.
Haueisen, Edward, Cleveland Heights, Ohio. Lawn sprinkler. 1,541,048; June 9.
Hauser & Weil. (See Hauser, Leopold, assignor.)

Hauser, Leopold, assignor to Hauser & Weil, New York, N. Y. Receptacle or container. 1,541,496; June 9.

Hayden, Joseph B., J. Morris, and H. C. George, Greensburg, Pa. Coupling. 1,541,139; June 9.

Head, Ronald, Luton, and W. E. Prescott, assignors to Joseph Baker, Sons and Perkins Limited, London, England. Treatment of cocoa and similar foodstuffs. 1,541,262; June 9.

Hedderich, Leander J., Mulberry, Ind. Fishing reel and mount. 1,540,837; June 9.

Hedderich, Leander J., Mulberry, Ind. Reel. 1,540,836; June 9.

Heintz, Ernest E. (See Archer, T. P., and Heintz.)

Heintz Laboratories, Inc. (See Heintz, Theodore R., assignor.)

Heintz Manufacturing Company. (See D'Ardenne, Walter H., assignor.)

Heintz, Theodore R., San Francisco, Calif., assignor to Heintz Laboratories, Inc., Las Vegas, Nev. Abrasive. 1,540,987; June 9.

Heiser, Ewald F., Denver, Colo. Harness trace. 1,541,049; June 9.

Heller, Alfonce H., Berkeley, Calif. Process of and apparatus for distilling and cracking hydrocarbon oils. 1,541,140; June 9.

Hellerman, Isaac, New York, N. Y. Bookmark. 1,540,777; June 9.

Hemleb, Martin, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Feeding mechanism for sewing machines. 1,540,778; June 9.

Hendricks, George E. (See Hendricks, Virgil J., assignor.)

Hendricks, Hiram V., assignor of one-half to G. A. Crooks, Oklahoma City, Okla. Sand-smoothing device for golf players. 1,541,643; June 9.

Hendricks, Virgil J., Minneapolis, assignor to G. E. Hendricks, Salina, Kans. Lock valve. 1,541,210; June 9.

Hensel, August W., Franksville, Wis. Protective device for use in warfare. 1,540,988; June 9.

Hensley, James R., Elmer, Okla. Dusting brush. 1,540,838; June 9.

Herbermann, Frederick C., Mount Vernon, assignor to Phinney-Walker Company, New York, N. Y. Bezel. 1,541,217; June 9.

Herbermann, Frederick C., Mount Vernon, assignor to Phinney-Walker Company, New York, N. Y. Clock mounting. 1,541,644; June 9.

Herman, Henry F., Chappaqua, N. Y. Casing for radio receiving apparatus. Des. 67,521; June 9.

Hermann, Clarence C., E. C. Litchfield, and H. L. Litchfield, Waterloo, Iowa; said Hermann assignor to said E. C. Litchfield and H. L. Litchfield. Feeding mechanism for spreaders. 1,540,884; June 9.

Herthel, Eugene C. (See Pelzer, H. L., and Herthel.)

Herz, Gustave L., assignor, by mesne assignments, to E. Bernays, New York, N. Y. Spark timer. 1,541,497; June 9.

Heydrich y Martinez, Robert, Habana, Cuba. Faucet and similar device. 1,540,839; June 9.

Heywood-Wakefield Company. (See Riley, Francis B., assignor.)

Hickman, Thomas J., St. Cloud, Fla. Table. 1,541,709; June 9.

Higgins, John T., Burlington, assignor of one-half to R. P. Robinson, Forest City, N. C. Hair-cleaning device. 1,540,989; June 9.

Higginson, Kingsley, assignor to Carey-Gavey Syndicate Limited, London, England. Cinematographic apparatus. 1,541,218; June 9.

Hill, Malcolm W., Baltimore, Md. Brush handle. 1,541,710; June 9.

Hillard, Frederic W., Tottenville, N. Y. Typewriting machine. 1,541,141; June 9.

Hillard, Frederic W., Tottenville, N. Y. Typewriting machine. 1,541,498; June 9.

Hilton, Robert W., Smethport, and J. L. Graham, Reynoldsville, Pa.; said Graham assignor to said Hilton. Glass apparatus. 1,541,142; June 9.

Hinckley-Myers Company. (See Myers, Joseph W., assignor.)

Hindle, Leo J., Lowell, Mass. Automatic oil feed. 1,541,050; June 9.

Hinman, George L., New Haven, Conn., assignor, by mesne assignments, to The Bates Manufacturing Company, Orange, N. J. Telephone index. Des. 67,522; June 9.

Hinnekens, Florent, Paterson, N. J. Reduction-gear unit. 1,541,499; June 9.

Hitzroth, George B. V., Hamilton, Ontario, Canada. Electric toaster. 1,541,711; June 9.

Hodge, Howard D., assignor of one-half to G. Ramsey, New York, N. Y. Cartridge shell. 1,541,765; June 9.

Hoffman, Charles Tuckahoe, H. D. Grigsby, Brooklyn, and N. M. Cregor, assignors to Ward Baking Company, New York, N. Y. Food product. 1,541,263; June 9.

Hofmann, Josef, Baumaroche, assignor to Alfred Joel & Co., Zurich, Switzerland. Shock absorber. 1,541,500; June 9.

Holle, Richard, Verona, N. J. Carton or container. 1,541,143; June 9.

Holden, Joseph B., Syracuse, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,541,219; June 9.

Holdridge, Randall L., Denver, Colo. Tire-pressure-gauge holder. 1,540,990; June 9.

Holland, George R., Brooklyn, N. Y. Hosiery box. 1,541,264; June 9.

Hollenbeck, Oscar D., Racine, Wis. Extruding machine. 1,540,779; June 9.

Holmes, Elbridge E., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Narrow-ware loom. 1,541,265; June 9.

Holmes, William G., Danville, Ill. Mine Cage. 1,541,144; June 9.

Holmgren, Frank A., Minneapolis, Minn. Gauge. 1,540,901; June 9.

Holsbauer, Albert J. (See Geisinger, Arthur F., assignor.)

Hommel, Joseph M., Detroit, Mich. Making barrels. 1,541,749; June 9.

Hoover Company, The. (See Hoover, Howard E., assignor.)

Hoover, Howard E., Chicago, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Electric Suction Cleaner. 1,541,567; June 9.

Hopkins, Charles E., deceased, Plainfield, N. J.; The Plainfield Trust Company, administrator. Semiautomatic plate-finishing machine. 1,541,568; June 9.

Hopkinson, Ernest, New York, N. Y. Process and apparatus for obtaining rubber from latex. 1,540,885; June 9.

Horn, Floyd C., Los Angeles, Calif. Power-control mechanism. 1,541,712; June 9.

Horner, Jasper E., and G. B. Wolf, Toledo, Ohio. Crossing protector. 1,541,713; June 9.

Horton, Bryson D. (See Monson, Paul E., assignor.)

Hosterman, Ernest H., and W. Dorn, Hartford, Wis. Machine for cutting vegetables and the like. 1,541,501; June 9.

Hottinger-Schärer, Emil, Hombrechtikon, Switzerland. Warping machine. 1,541,145; June 9.

Houghton, Lewis T., Worcester, Mass. Yarn guide for winding machines. 1,541,569; June 9.

Howard, Monta B., and T. B. Dewease, Marble, Ark. Loader. 1,540,940; June 9.

Howe, Harold W., Liverpool, England. Truck for transporting goods. 1,541,570; June 9.

Howe, Leslie, Kenton, Ohio. Drive for motor trucks. 1,541,502; June 9.

Howell, Frank B., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Boiler. 1,541,355; June 9.

Hubbard, Richard W., Ashtabula, Ohio. Vehicle hinge. 1,540,840; June 9.

Huff, G. Edward, et al. (See Sawtelle, Charles A., assignor.)

Huff, Leslie R., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Hydraulic-pressure-controlling device. 1,540,886; June 9.

Hughes, Arthur S., Mansfield, Ohio. Pressed-steel stringer. 1,541,571; June 9.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. System for producing oscillations. 1,541,566; June 9.

Humbert, William M., Marshfield, Oreg. Battery-separator-plate machine. 1,541,714; June 9.

Humble Oil and Refining Company. (See Coblents, S P., and Coleman, assignors.)

Hume, Edgar D., Collingswood, N. J., assignor to Summit Thread Company, East Hampton, Conn. Bobbin case for sewing-machine shuttles. 1,541,051; June 9.

Humphrey, Ernest N., New Britain, Conn. Buckle. 1,541,503; June 9.

Hunley, Booker T. M., Baltimore, Md. Crab wrapper and wrapping method. 1,540,887; June 9.

Hunt-Heim-Ferris & Company. (See Ferris, Howard J., assignor.)

Hunt, John H., Dayton, Ohio, assignor to The Dayton Engineering Laboratories Company. Engine control. 1,541,052; June 9.

Hunt, Seth B., trustee. (See Wells, Alfred A., assignor.)

Hunter, Theodore A., Washington, D. C. Advertising novelty. 1,541,504; June 9.

Huntley, Ernest R., Los Angeles, Calif. Paper container. 1,541,146; June 9.

Hurley, Frank M., Leipsic, Ohio. Paper-roll-holder attachment. 1,541,505; June 9.

Hutchins, Otis, assignor to The Carborundum Company, Niagara Falls, N. Y. Antislip material. 1,541,220; June 9.

Ikeda, Kikusae, H. Isobe, Tokyo, and T. Okazawa, Kitatoshima-gori, assignors to Zaidan Hojin Rikagaku Kenkyujo, Komagome, Honge-ku, Tokyo, Japan. Drying air. 1,541,147; June 9.

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)

Ingersoll-Rand Company. (See Huff, Leslie R., assignor.)

Ingersoll-Rand Company. (See Smith, William A., assignor.)

Ingvoldstad, Hildor B., Sioux City, Iowa. Sheet-metal receptacle. 1,541,416; June 9.

International Precipitation Company. (See Anderson, Ewald, assignor.)

International Precipitation Company. (See Bauer, Wilhelm J. L., assignor.)

International Precipitation Company. (See Gies, Jakobus, assignor.)

International Silver Company. (See Munson, Craig D., assignor.)

Irons, Robert H., assignor to Central Iron & Steel Company, Harrisburg, Pa. Metallic door plate. Des. 67,523; June 9.

Irvine, Frank S., Huntington, assignor to Western Electric Company, Incorporated, New York, N. Y. Messageregister system. 1,541,356; June 9.

Irving, Richard A., Gateshead, England. Sash operator and fastener. 1,541,148; June 9.

Isobe, Hajime. (See Ikeda, K., Isobe, and Okazawa.)

Ives, Herbert E. (See Fairchild, E. M., and Ives.)

Ivins, Ellwood, Philadelphia, Pa. Bumper bar for automobiles. 1,541,572; June 9.

Jack, Frederick B., Montreal, Quebec, Canada. Tobacco package. 1,541,506; June 9.

Jackson, Edward, assignor to The Nolde and Horst Company, Reading, Pa. Gap-closure attachment for knitting machines. 1,540,780; June 9.

Jackson, Louis F., Chebanse, Ill. Grain door. 1,541,573; June 9.

Jacobaeus, Emil, Evanston, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,541,149; June 9.

Jandus, Herbert S., assignor to The C. G. Spring & Bumper Company, Detroit, Mich. Bumper. 1,541,063; June 9.

Jarvinen, Victor, Astoria, Oreg. Rudder-shaft bearing. 1,541,574; June 9.

Jeffery, Justin, Chico, Calif. Welding cast iron. 1,541,507; June 9.

Jennings, Walter E., Lynn, Mass., assignor to General Electric Company. Internal-combustion engine. 1,541,575; June 9.

Joel, Alfred, & Co. (See Hofmann, Josef, assignor.)

Johnson, Alvin L., Springfield, Mass. Screw jack. 1,541,577; June 9.

Johnson, Axel, Oakland, Calif. Circulating and radiating heater. 1,541,576; June 9.

Johnson, Ben M., Chicago, Ill. Vise. 1,541,715; June 9.

Johnson, Effie J., Kankakee, Ill. Gas burner. 1,541,716; June 9.

Johnson, Henry W., Bamberg, S. C. Cigarette receptacle. 1,540,841; June 9.

Johnson, Irving E. (See Stenart, Robert B., assignor.)

Johnson, John F., Baltimore, Md. Combined support and control device for electric irons. 1,541,221; June 9.

Johnson, Joseph E., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Apparatus for molding. 1,541,357; June 9.

Johnson, Joseph E., assignor to The Connecticut Telephone & Electric Company, Incorporated, Meriden, Conn. Apparatus for molding. 1,541,358; June 9.

Johnson, Ray C. (See Wennerlind, E. G., Nelson, and Johnson.)

Johnston, Harry B., Seattle, Wash. Tire. 1,541,508; June 9.

Jones, Charles F., Newton Highlands, Mass. Electric toaster. 1,541,222; June 9.

Jones, Homer T., Ord, Nebr. Neck-weight-relieving harness attachment. 1,541,578; June 9.

Juby, Hugh W. (See Barton, Elmer A., assignor.)

Juelfs, Albert. (See Juelfs, Allen A. and A.)

Juelfs, Allen A. and A., McPherson, Kans. Wagon or truck dumping body. 1,541,223; June 9.

Kaetker, Howard C., assignor to E. Towsley, Cincinnati, Ohio. Swing saw. 1,540,842; June 9.

Kaiser, Rudolf, Vienna, Austria. Improving the quality of butter. 1,541,150; June 9.

Kalman Steel Co. (See White, William E., assignor.)

Kamm, Richard, Chicago, Ill. Absorbent shield for garments. 1,541,064; June 9.

Kane, Alfred F., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,541,359; June 9.

Kaough, Joseph W., assignor to The Gulberson Corporation, Dallas, Tex. Wrench. 1,541,224; June 9.

Kaough, Joseph W., assignor to The Gulberson Corporation, Dallas, Tex. Wrench. 1,541,225; June 9.

Karns, Harry C., Philadelphia, assignor, by mesne assignments, to The Koppers Company, Pittsburgh, Pa. Coumarone-indene resins and making the same. 1,541,226; June 9.

Katz, Martin, Brooklyn, N. Y. Mounting for store windows. 1,541,065; June 9.

Katz, Solomon. (See Gilbert, M., Guida, and Katz.)

Kaufman, David B. (See Streit, Frank J., assignor.)

Kaufman, Lewis P., et al. (See Draver, Emil R., assignor.)

Kaufman, Lewis P., et al. (See Pfennig, E. B., and Wright, assignors.)

Kean, Charles E., and H. W. Hahn, Los Angeles, Calif., assignors to Economy Products Corporation. Securing paper and metal fabrics to wall structures. 1,541,360; June 9.

Kégresse, Adolphe, Paris, France. Brake mechanism for track belts. 1,540,843; June 9.

Keller, George W., Coalinga, Calif. Fishing tool. 1,541,417; June 9.

Kelly, Raymond M., assignor to The Koppers Company, Pittsburgh, Pa. Distillation apparatus. 1,541,227; June 9.

Kelvin, Bottomley & Baird, Limited. (See Field, Michael B., assignor.)

Kelvinator Corporation. (See Mercer, William D., assignor.)

Kelvinator Corporation. (See Spreen, Charles C., assignor.)

Kennedy, William J., Rosetown, Saskatchewan, Canada. Grain and flax attachment for binders. 1,541,509; June 9.

Kennington, William O., London, England. Vacuum-operated brake. 1,541,206; June 9.

Kenrick, Charles H., Onaway, Mich. Steering wheel. 1,540,992; June 9.

Kerr, Mark B. (See Bancroft, H. P., and Kerr.)

Ketchum, Everett H., Jamestown, N. Y. Blackboard. 1,541,717; June 9.

Keuffel & Esser Co. (See Keuffel, Carl W., assignor.)

Keuffel, Carl W., Weehawken Township, Hudson County, N. J., assignor to Keuffel & Esser Co., Hoboken, N. J. Mount for condenser lenses. 1,540,781; June 9.

Khalifah, Abd-El-Rahman Amer, Delengat, Egypt. Perpetual calendar. 1,541,151; June 9.

Kieffer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Cabinet for talking machine. Des. 67,524; June 9.

Kieffer, Wilbert L. (See Trumbo, W. F., and Kieffer.)

Kikta, Alex, Flint, Mich. Toy aeroplane and launching device therefor. 1,541,579; June 9.

Kiley, Joe L., Tyler, Mo. Collapsible-rim-securing means. 1,541,580; June 9.

Kilmer, Elmer A., Hiram, Ohio. Belt guide. 1,541,718; June 9.

Kimball, Root E., St. Paul, Minn. Folding tent and bed equipment for vehicles. 1,540,844; June 9.

King, Howard K., Philadelphia, Pa., assignor to Chambers Brothers Company. Sheet-folding machine. 1,541,510; June 9.

Kingdon, Ralph H. (See Cahill, J. H., and Kingdon.)

Kinnear, Eugene C., Seattle, Wash., assignor to Anakin Lock Works, Chicago, Ill. Lock. 1,541,511; June 9.

Kittredge, John W., Akron, Ohio. Hoisting block. 1,541,267; June 9.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 67,525; June 9.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 67,526; June 9.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Lighting fixture. Des. 67,527; June 9.

Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Spindle for lighting fixtures. Des. 67,528; June 9.

Klein, Max, assignor to Shapiro & Aronson, Inc., New York, N. Y. Spindle for lighting fixtures. Des. 67,529; June 9.

Klopping, Adolph C., Toledo, Ohio. Universal-joint casing. 1,540,993; June 9.

Klummire, Henry J. (See Ve Relle, William H., assignor.)

Knisely, Albert A., Detroit, Mich. Gas heater. 1,541,512; June 9.

Knopp, William A., East Newport, assignor to Western Electric Company, Incorporated, New York, N. Y. Electric resistance welding. 1,541,513; June 9.

Knowles, Arthur T. (See Knowles, William G., assignor.)

Knowles, William G., assignor of one-half to A. T. Knowles, Bessemer, Ala. Mine-car loading and haulage means. 1,541,361; June 9.

Kobler, Victor, Zurich, Switzerland. Tobacco pipe. 1,541,152; June 9.

Koehring Company. (See Robb, John F., assignor.)

Koenig, Joseph and E., Manitowoc, Wis. Electrically-heated percolator. 1,541,418; June 9.

Koenig, Remus. (See Koenig, Joseph and E.)

Koenigsberger, Robert N., Sioux City, Iowa. Disappearing antiskid lug. 1,540,888; June 9.

Kohout, George A., Chicago, Ill. Furnace arch. 1,540,889; June 9.

Kolins, T. (See Roming, Orange G., assignor.)

Koppers Company, The. (See Karns, Harry C., assignor.)

Koppers Company, The. (See Kelly, Raymond M., assignor.)

Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)

Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coke quenching and loading apparatus. 1,541,153; June 9.

Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coke quenching and loading device. 1,541,154; June 9.

Koref, Fritz. (See Skaupy, F., and Koref.)

Korving, Egbertus M. N., London, England. Footwear appliance for swimming. 1,541,419; June 9.

Kovar, Joe. (See Valenta, J. A., and Kovar.)

Kozlay, Clarence V., assignor to Sidney Blumenthal & Co. Inc., New York, N. Y. Pile fabric. Des. 67,530; June 9.

Kraentzel, Jules, Brussels, Belgium. Bottle for supplying liquids in drops. 1,541,645; June 9.
Krakauer, Abraham, New York, N. Y. Self-locking spring. 1,541,056; June 9.
Kramer, Andrew A., Kansas City, Mo. Faucet. 1,540,782; June 9.
Kranz, Frederick W., Geneva, Ill. Vibration instrument for bone audition. 1,540,783; June 9.
Kränzlein, Georg, Hochst-on-the-Main, P. Nawiasky, Ludwigshafen-on-the-Rhine, M. Corell, Hochst-on-the-Main, M. A. Kunz, Mannheim, and F. Schutz, Hochst-on-the-Main, assignors to Badische Anilin & Soda Fabrik, Ludwigshafen-on-the-Rhine, Bavaria, Germany. Blue indanthrene dyestuff and making the same. 1,541,156; June 9.
Krause, Arthur J., Cleveland, Ohio. Rotary valve for gas engines. 1,540,941; June 9.
Kreidler, Urban A. (See McLaren, W., and Kreidler.)
Krieble, Charles C., assignor to Wildman Mfg. Co., Norristown, Pa. Knitting machine. 1,540,845; June 9.
Kroesen, Frank N., Indianapolis, Ind. Envelope opener. 1,541,155; June 9.
Kruger, Herman E., assignor of two-fifths to E. H. Latimer, Minneapolis, Minn. Combination attachment for automobiles. 1,540,846; June 9.
Kuhner, Julius J., Highland, Ill. Electric water-heater. 1,541,646; June 9.
Kunz, Max A. (See Kränzlein, G., Nawiasky, Corell, Kunz, and Schutz.)
Kuziel, Stanley J., Holyoke, Mass. Combined curtain and shade support. 1,541,774; June 9.
Lacourcière, Honoré, Brooklyn, N. Y. Water-flow system. 1,541,719; June 9.
Lacy, James E., et al. (See Terry, Joseph T., assignor.)
Lacy, Richard H., et al. (See Terry, Joseph T., assignor.)
La Fayette, Louis N. Plymouth, Mass. Smash-protector motion. 1,540,942; June 9.
Laird, Wilbur G., assignor to H. L. Doherty, New York, N. Y. Process of and apparatus for recovering gasoline or other hydrocarbon liquids from natural gas. 1,541,514; June 9.
Lambert, George H., Asheville, N. C. Golf-practice apparatus. 1,541,420; June 9.
Lambert Machine Company. (See Ely, Bernard M., assignor.)
Lambert, Stacy C., assignor of one-half to A. R. Marley, trustee. Clayton, Ind. Motor-vehicle clutch. 1,541,057; June 9.
Lambert Tire & Rubber Co. (See Gillam, Wallace R., assignor.)
Lammerts, Lambertus A., Arnhem, Netherlands. Accumulator. 1,540,847; June 9.
Lamson Company, The. (See Cowley, James P., assignor.)
Lancaster, Charles P., assignor of one-half to E. T. Griffin, Three Rivers, Mich. Automatic brake. 1,541,228; June 9.
Lancaster Tire and Rubber Company, The. (See Williams, Orr H., assignor.)
Landess, Malcolm L. (See Cotten, B., and Landess.)
Landgraf, Frederick K., assignor, by mesne assignments, to Flannery Bolt Company, Pittsburgh, Pa. Tool. 1,541,268; June 9.
Langford, George W., assignor to Economy Baler Company, Ann Arbor, Mich. Baler. 1,540,784; June 9.
Lapidus, Leon, Brooklyn, assignor to U. S. Auto Lamp Mfg. Co. Inc., New York, N. Y. Signal lamp or similar article. Des. 67,531; June 9.
Laraway, William H., Grand Rapids, Mich. Case for identification papers. 1,541,515; June 9.
Larsen, Olaf. (See Valerius, T. L., and Larsen.)
Latham, Albert, Beverly, Mass., assignor to American Button & Fastener Co., Augusta, Me. Reel. 1,540,785; June 9.
Latimer, E. H. (See Kruger, Herman E., assignor.)
Lawson, Samuel C., Croton-on-Hudson, N. Y. Flush tank. 1,540,890; June 9.
Lawton, Hugh M., Bellevue, Ky., assignor to The Cincinnati Time Recorder Company, Cincinnati, Ohio. Time recorder. 1,540,848; June 9.
Lay, Francis M., assignor to Deere & Company, Moline, Ill. Wagon stake. 1,540,891; June 9.
Lean, A. E., et al. (See Sawtelle, Charles A., assignor.)
Le Beau, Fernando J., Niles Center, assignor of one-third to E. B. Thelin and one-third to T. L. Thelin, Chicago, Ill. Metal stepladder. 1,541,421; June 9.
Le Beau, Fernando J., Niles Center, assignor of one-third to E. B. Thelin and one-third to T. L. Thelin, Chicago, Ill. Stepladder brace. 1,541,422; June 9.
Lediq, Richard G., assignor to A. Mecky Company, Philadelphia, Pa. Combined bicycle and scooter. 1,541,423; June 9.
Lee, Charles L., assignor to General Motors Research Corporation, Dayton, Ohio. Assembly fixture. 1,541,088; June 9.
Leeson, Bruce H., Tynemouth, and R. W. Biles, Balcombe, assignors to Electrical Improvements Limited, Newcastle-upon-Tyne, England. Protective arrangement for alternating electric current systems. 1,541,720; June 9.
Leigh, Fred A., Chicago, Ill. Shear and knife sharpener. 1,541,059; June 9.
Lester, Steven T., East Bakersfield, Calif. Lubricating device. 1,540,943; June 9.
Lever Brothers Company. (See Durstine, Roy S., assignor.)
Lewis, David, Scranton, Pa. Traverse guide and thread cleaner. 1,541,721; June 9.
Liberty Novelty Company, The. (See Martin, Harry H., assignor.)
Lieder, Otto, Dresden, Germany. Rail fastening. 1,541,722; June 9.
Lightheart, Calvin. (See Samuelson, V. A., Young, and Lightheart.)
Lilly, Eli, and Company. (See Walters, Arthur L., assignor.)
Lilly, Eli., and Company. (See Wiseman, Bruce K., assignor.)
Lilly, Thomas L., Minonk, Ill. Hinge. 1,541,723; June 9.
Linderme, Emil, Cleveland, Ohio. Tube-drawing machine. 1,541,424; June 9.
Lindgren, Stanley H., Maywood, Ill., assignor to American Can Company, New York, N. Y. Shoe-polish box. 1,541,516; June 9.
Lindsay, Lycurgus. (See Givens, E. F., and Lindsay.)
Lindsley, Benjamin F., Mansfield, Ohio. Bedspring. 1,541,425; June 9.
Lines, Sterling C., Los Angeles, Calif., assignor to The F. Bissell Company, Toledo, Ohio. Vacuum cleaner. 1,540,994; June 9.
Linesba, W. W. (See Givens, E. F., and Lindsay, assignors.)
Linley, Fred H., Duluth, Minn. Motor hoist. 1,541,157; June 9.
Linomosaic Co. See Duffy, James S., assignor.)
List, Frank X., assignor to National Card Mounting Company, New York, N. Y. Display device. 1,541,517; June 9.
Listo Pencil Corporation. (See Wehn, Charles E., assignor.)
Litchfield, Edgar C. (See Hermann, C. C., and Litchfield.)
Litchfield, Henry L. (See Hermann, C. C., and Litchfield.)
Little, John W., McCook, Nebr. Beet topper. 1,541,158; June 9.
Lloyd, Arthur J., assignor to Accounting Devices Company, Chicago, Ill. Sheet shifter for prong files. 1,541,426; June 9.
Lloyd, Gerrit J., et al. (See Baisden, Edward J., assignor.)
Lobnitz & Company Limited. (See Bedgood, Hubert O., assignor.)
Locke, Albert R., Chicago, Ill. Electrical fixture. 1,541,362; June 9.
Locke, Albert R., Chicago, Ill. Electric switch. 1,541,363; June 9.
Locke, George A., Glen Cove, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telegraph system. 1,541,229; June 9.
Lockhart, James. (See Gibbs, James W., assignor.)
Löffler, Stephan. (See Schüttler, P., and Löffler.)
Lomax, Clarence E., assignor to Automatic Electric Company, Chicago, Ill. Telephone system. 1,540,786; June 9.
Lombardi, Vincent, Brooklyn, N. Y. Knitting machine. 1,541,230; June 9.
Low, Archie E., Ottawa, Ontario, Canada. Fastener for mail bags. 1,541,427; June 9.
Loynes, Owen H., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signal-storing arrangement. 1,540,849; June 9.
Luce Cane Harvester Corporation. (See Luce, George D., assignor.)
Luce, George D., Watertown, Wis., assignor to Luce Cane Harvester Corporation, New York, N. Y. Stripper for cane harvesters and the like. 1,541,231; June 9.
Luce, Grafton E., Chicago, Ill. Traveling crane. 1,541,766; June 9.
Lucy, Calvin H., Baltimore, Md., assignor to The Singer Manufacturing Company. Feeding mechanism for sewing machines. 1,540,787; June 9.
Luke, Francis A., Albert Park, Victoria, Australia. Draft throat for furnaces. 1,541,428; June 9.
Luth, Carl M., Wilkinsburg, Pa. Hopper-car door. 1,540,850; June 9.
Luttgen, William. (See Dederer, Richard, assignor.)
Lyon, Babet B. H. (See Lyon, De Witt T., assignor.)
Lyon, De Witt T., assignor of one-half to B. E. H. Lyon, Chicago, Ill. Radiator. 1,540,851; June 9.
Lynch, John L., Starbuck, Minn. Egg crate. 1,540,892; June 9.
Maccallum, James, jr., St. Louis County, Mo. Sander for motor vehicles. 1,541,159; June 9.
MacDonald, Bernard, South Pasadena, Calif. Edge spacer for cultivated grass plots. 1,541,160; June 9.
Macdonald, Harry P., Montclair, N. J., assignor to The Snead & Company Iron Works. Flexible joint. 1,541,520; June 9.
Macfie, Robert F., assignor to Nutriment Limited, London, England. Machine for the treatment of vaccine. 1,540,853; June 9.
Mack, Harold, Finlayson, Minn. Tractor hitch. 1,540,854; June 9.

Macy, Burt H., et al. (See Pierce, Frederick W., assignor.)
Magee, William H., assignor to Fostoria Glass Company, Moundsville, W. Va. Clock case. Des. 67,532; June 9.
Mahn, Fritz, Oberfrohnau, Germany. Glove. 1,540,995; June 9.
Maloney George A., Kansas City, Mo. Tableware washer. 1,540,793; June 9.
Mancuso, Peter, West Hazleton, and P. Napolitano, Beaver Meadows, Pa. Shoe. 1,541,161; June 9.
Mann, Matthew D., jr., Roselle, N. J., assignor to Standard Development Company. Purifying ester bodies. 1,541,430; June 9.
Marley, Albe R., trustee. (See Lambert, Stacy C., assignor.)
Marlow, John H., Stoke-on-Trent, England. Gas-fired oven or kiln. 1,541,647; June 9.
Marshall, George A., Cleveland, Ohio. Cleaner for blackboard erasers. 1,540,996; June 9.
Marshall, Ward E. (See Snider, T. J., and Marshall.)
Martin, George R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,541,368; June 9.
Martin, Harry H., Pittsburgh, Pa., assignor to The Liberty Novelty Company. Toy fence. 1,541,269; June 9.
Martin, James N., Barnsdall, Okla. Adjustable tank connection. 1,541,725; June 9.
Martin, John D., New Straitsville, Ohio. Furnace. 1,541,648; June 9.
Martin, John D., New Straitsville, Ohio. Furnace grate. 1,541,649; June 9.
Martin, Samuel D., Grand Junction, Colo. Convertible cot and pack bag. 1,541,060; June 9.
Martin, William F., assignor to Penn Spring Works Inc., Baldwinsville, N. Y. Automobile bumper plate. Des. 67,533; June 9.
Martin, William F., assignor to Penn Spring Works Inc., Baldwinsville, N. Y. Automobile bumper plate. Des. 67,534; June 9.
Martin, William P., Monongahela, Pa. Bumper. 1,541,726; June 9.
Mason, Arthur C., Flint, assignor to General Motors Corporation, Detroit, Mich. Engine manifold. 1,541,431; June 9.
Matheson, James H., Reading, Pa. Gas equalizer and soot collector for gas producers. 1,541,650; June 9.
Matlack, Robert K., Millltown, N. J. Apparatus for turning paper. 1,541,651; June 9.
Matter, Albert J., Chicago, Ill. Electrical fuse. 1,541,652; June 9.
Mattingley, Ray S., Rockport, Ind. Bed. 1,541,432; June 9.
Mayer, Armand, Levallois-Perret, France. Device for driving the hands of monumental clocks. 1,540,855; June 9.
McCain, Paul H., Chicago, Ill. Thumb or wing screw. 1,541,518; June 9.
McCann, Ronald A., assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,541,232; June 9.
McClure, Edward, Chicago, Ill. Border frame for open-metal-work panels and the like. 1,540,788; June 9.
McCord, Claude M., Richmond Heights, Mo. Testing transformer. 1,540,789; June 9.
McCray, David H., Tulsa, Okla. Splicing needle and tucker. 1,540,790; June 9.
McDill, Rex D., Cienfuegos, Cuba. Machine for applying a liquid coating or preservative to the skin of fruit. 1,540,791; June 9.
McElree, Robert C., assignor of one-half to T. A. Waggoner, Dallas, Tex. Fishing float. 1,541,724; June 9.
McFarland, Owen D., assignor to The Guyton & Cumfer Manufacturing Company, Chicago, Ill. Roofing machine. 1,540,944; June 9.
McFerran, William J., Pierre, S. Dak. Pole cap. 1,541,269; June 9.
McKay, Edwin B., Chicago, Ill. Tire tread. Des. 67,535; June 9.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Automatic starter for winding-machine stop motions. 1,541,581; June 9.
McKee, Neal T., Mount Vernon, assignor to The Superheater Company, New York, N. Y. Feed-water heater. 1,541,519; June 9.
McKinney, Clarence B., Cleveland, Ohio. Printing press. 1,541,364; June 9.
McKnight, Harry A., and F. B. Burns, San Francisco, Calif. Antislip shoe sole. 1,541,234; June 9.
McLaren Products Co., The. (See McLaren, W., and Kreidler, assignors.)
McLaren, Walter, Dayton, and U. A. Kreidler, Oakwood, assignors to The McLaren Products Co., Dayton, Ohio. Dispensing device. 1,540,792; June 9.
McLeod, George T. (See Briggs, F. E., and McLeod.)
McLintock, Duncan M., assignor to Clark and Company, Limited, Paisley, Scotland. Mercerising machine. 1,541,365; June 9.
McLintock, Duncan M., assignor to Clark and Company, Limited, Paisley, Scotland. Mercerising machine. 1,541,366; June 9.
McMahan, William W., Detroit, Mich., assignor to Morgan & Wright. Preparation of lampblack for use in compounding rubber. 1,541,233; June 9.
McMillan, Kenneth G., Milledgeville, Ga. Brickmaking machine. 1,541,429; June 9.
McQuarrie, James L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,541,367; June 9.
McWhirter, William C., Wilkinsburg, assignor to The Union Switch & Signal Company, Swissvale, Pa. Machine for controlling railway-traffic-governing apparatus. 1,540,852; June 9.
Meeky, A., Company. (See Ledig, Richard G., assignor.)
Medboldt, Louis T., Winthrop, assignor to H. C. Dodge Company, South Boston, Mass. Setting, grinding, and balancing machine. 1,541,370; June 9.
Menk, George L., St. Louis, Mo. Heater. 1,541,653; June 9.
Mercer, Daniel, Kirkby, near Liverpool, England. Agricultural implement. 1,541,162; June 9.
Mercer, Richard. (See Savin, J., and Mercer.)
Mercer, William D., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Compressor unit. 1,541,776; June 9.
Meredith, Charles B., assignor of one-half to G. W. Pratt, Corning, N. Y. Internal-combustion engine. 1,541,270; June 9.
Merrill, Albert D., assignor to The Stebbins Engineering & Mfg. Co., Watertown, N. Y. Method and apparatus for bleaching pulp. 1,541,271; June 9.
Merrill, John J., Ipswich, Mass., assignor, by mesne assignments, to Electric Outlet Company, Inc., New York, N. Y. Outlet box. 1,540,893; June 9.
Merrill, Wilbur L., Schenectady, N. Y., assignor to General Electric Company. Arc-welding machine. 1,541,582; June 9.
Merx, Charles C., Indianapolis, Ind. Carburetor heater. 1,541,583; June 9.
Metcalf, Maurice A. (See Sabbag, Litfallah G., assignor.)
Metzner, Albert W. (See Sherman, J. Q., and Metzner.)
Mewes, Richard W., Des Moines, Iowa. Sectional packing ring. 1,541,372; June 9.
Meyer, Charles H., San Francisco, Calif. Pipe cover. 1,541,727; June 9.
Micek, Richard, Lester, assignor of one-half to P. A. Way, Walsenburg, Colo. Combination tool. 1,541,373; June 9.
Michigan Chemical Company. (See Nikaido, Yasujuro, assignor.)
Miles, Kenney F., Portland, Oreg. Saw head. 1,541,728; June 9.
Miles, Kenney F., Portland, Oreg. Drag saw. 1,541,729; June 9.
Miller, Fred M. (See Westhafer, T. O., and Miller.)
Miller, Joseph H. (See Mustee, Lawrence F., assignor.)
Miller, Levi B., Lynn, Mass., assignor to General Electric Company. Process of making vitreous silica. 1,541,584; June 9.
Miller, Victor F., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,541,164; June 9.
Miller, William J., Swissvale Borough, Pa. Timing device. 1,540,945; June 9.
Miller, Wright, Denver, Colo. Bumper for automobiles. 1,540,945. June 9.
Minache, Sima, Constantinople, Turkey. Building material and manufacturing same. 1,541,165; June 9.
Misener, Justus, Bay City, Mich. Fork. 1,541,730; June 9.
Mitchell, Raymond C., Springfield, Ohio, assignor, by mesne assignments, to Barber-Colman Company. Grinding machine. 1,540,794; June 9.
Moeller, Arturo F., San Pedro, Mexico. Beater. 1,540,946; June 9.
Moir Calculator Corporation, The. (See Moir, Harry S., assignor.)
Moir, Harry S., Chico, assignor to The Moir Calculator Corporation, San Francisco, Calif. Calculator. 1,540,895; June 9.
Monson, Paul E., Berkeley, Calif., assignor to B. D. Horton, Detroit, Mich. Cabinet for electric switches. 1,540,795; June 9.
Moore Dry Kiln Co. (See Creighton, Frank M., assignor.)
Moore, Louis B., St. Louis, Mo. Freezer case or refrigerator. 1,541,271; June 9.
More, Glenn, assignor to Blackstone Manufacturing Company, Jamestown, N. Y. Gearing for washing machines. 1,540,896; June 9.
More, Glenn, assignor to Blackstone Manufacturing Company, Jamestown, N. Y. Swinging-wringer mechanism. 1,540,897; June 9.
Morey, William B., assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 1,540,796; June 9.
Morgan & Wright. (See McMahan, William W., assignor.)
Morgan & Wright. (See Smith, Clyde J., assignor.)
Morits, Harold K., assignor to Frank E. Best, Inc., Seattle, Wash. Record-receiving lock. 1,541,585; June 9.
Morris, John. (See Hayden, J. B., Morris, and George.)

Mortensen, August, assignor to The "Frisco" Manufacturing Co. Inc., San Francisco, Calif. Musical-instrument support. 1,541,767; June 9.
Motor Radiator & Manufacturing Corporation, The. (See Swenson, Swen E., assignor.)
Mowers, Osmyn, assignor of one-half to The Gulberson Corporation, Dallas, Tex. Pump plunger. 1,541,166; June 9.
Muguet, Claude, assignor to Société Anonyme des Commentry, Fourchambault & Decazeville, Paris, France. Treatment of ore in blast furnaces. 1,541,731; June 9.
Mulford, H. K., Company. (See Reichel, J., and Roos, assignors.)
Müller, C. H. F., Röntgenröhrenfabrik. (See Daumann, Wilhelm, assignor.)
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Relieving machine. 1,540,898; June 9.
Müller, Friederich, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Combined metal-cutting machine. 1,540,899; June 9.
Mulvey, Robert J., Chicago, Ill. Sample-carrying device. 1,541,167; June 9.
Munro, David, San Francisco, Calif. Christmas-tree holder. 1,540,856; June 9.
Munro, Leslie A. (See Freeth, F. A., and Munro.)
Munson, Craig D., Wallingford, assignor to International Silver Company, Meriden, Conn. Doll or similar article. Des. 67,536; June 9.
Munson, Craig D., Wallingford, assignor to International Silver Company, Meriden, Conn. Doll or similar article. Des. 67,537; June 9.
Munson, Craig D., Wallingford, assignor to International Silver Company, Meriden, Conn. Doll or similar article. Des. 67,538; June 9.
Murphey, James A., Germantown, Pa. Vehicle headlight. 1,541,586; June 9.
Murphy, Paul B., Nyack, assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,540,797; June 9.
Murray, Thomas E., Brooklyn, N. Y. Making couplings and similar objects. 1,541,061; June 9.
Mustee, Lawrence F., Cleveland, Ohio, assignor to J. H. Miller. Towel-folding machine. 1,541,374; June 9.
Myers, Joseph W., assignor to Hinckley-Myers Company, Jackson, Mich. Machine tool. 1,541,062; June 9.
Nagy, Joseph, New York, N. Y. Combined holder and ash tray. 1,541,732; June 9.
Nambotin, Joseph, assignor to Societe Anonyme des Motocyclettes et Automobiles Viratelle, Lyon, France. Speed-changing mechanism for motor vehicles or other apparatus. 1,541,168; June 9.
Napolitano, Peter. (See Mancuso, P., and Napolitano.)
Nashua Manufacturing Company. (See Winterbottom, John W., assignor.)
National Card Mounting Company. (See List, Frank X., assignor.)
National Gypsum Products Company. (See Bruce, Arthur J., assignor.)
National Pneumatic Company. (See Adams, H. H., and Gordon, assignors.)
National Torpedo Company. (See Davis, Cleland, assignor.)
Naugatuck Chemical Company. (See Ostromislensky, Iwan, assignor.)
Naugatuck Chemical Company, The. (See Ostromislensky, I., and Shepard, assignors.)
Nawiasky, Paul. (See Krännlein, G., Nawiasky, Corell, Kuns, and Schutz.)
Neilson, James L., Winnipeg, Manitoba, Canada. Grain door. 1,541,272; June 9.
Nelson, Nels O. (See Wennerblad, E. G., Nelson, and Johnson.)
Nelson, Thomas H. A. Coalinga, Calif. Tool. 1,541,733; June 9.
Nenzel, Georg, Herischdorf, near Warmbrunn, Germany. Wood-grinding means. 1,541,521; June 9.
Neuwirth, Herman, and J. Bernstein, Brooklyn, N. Y. Heater for shaping eyeglass frames. 1,541,375; June 9.
Newberry, Andrew W., et al. (See Newberry, Spencer B., assignor.)
Newberry, Andrew W., executor. (See Newberry, Spencer B.)
Newberry, Arthur C., et al. (See Newberry, Spencer B., assignor.)
Newberry, Spencer B., deceased, Cleveland, Ohio; A. W. Newberry, executor, assignor of one-half to A. W. Newberry and one-half to A. C. Newberry. Continuous kiln. 1,541,169; June 9.
Newport News Shipbuilding & Dry Dock Company. (See Benson, Frank R., assignor.)
Nicholson, George B., Pittsburgh, Pa. Double-container, force-discharge, dispensing apparatus. 1,541,170; June 9.
Niboul, Armand. (See Cierc, C., and Niboul.)
Nikaido, Yasujuro, Bay City, Mich., assignor to Michigan Chemical Company. Preparing metallic salts of dithiocarbamic acid. 1,541,433; June 9.
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nitsch, Charles H., and T. A. Federwitz, assignors to Stokes and Smith Company, Philadelphia, Pa. Box-covering machine. 1,540,900; June 9.
Noble, William H., assignor to Pennsylvania Pump and Compressor Company, Easton, Pa. Centrifugal pump. 1,541,171; June 9.
Nock, Arthur B., Cleveland, Ohio. Visor light. 1,541,376; June 9.
Nolde and Horst Company, The. (See Jackson, Edward, assignor.)
Nordling, Peter A., Gottenborg, Sweden. Automatical balance. 1,540,907; June 9.
Norris, Almon E., Brookline, Mass. Brake mechanism. 1,541,063; June 9.
Norris, Almon E., Brookline, Mass. Grab. 1,541,064; June 9.
North East Electric Company. (See Sullivan, Raymond H., assignor.)
Northern Equipment Co. (See Veenschoten, Vincent V., assignor.)
Norton, William A., Marshalltown, Iowa. Wrench. 1,540,798; June 9.
Nowak, Stanley, New York, assignor of one-half to H. L. Roth, Brooklyn, N. Y. Paper fold. 1,541,734; June 9.
Nuckols, Virgil B., Elkton, Ky. Strup can. 1,541,172; June 9.
Nugent, Harvey C., Long Beach, Calif. Fluid brake. 1,541,273; June 9.
Nunn, Darrell, West Kensington, London, England, assignor to Western Electric Company, Incorporated, New York, N. Y. System for measuring the capacity of electrical circuits. 1,540,799; June 9.
Nutriment Limited. (See Macfie, Robert F., assignor.)
Nutry, John, Ridgewood, N. J. Novelty container. 1,540,800; June 9.
Oberg, John E., Taft, Calif. Locking device. 1,541,735; June 9.
Oberstebrink, Gustav, Allenstown, N. H. Dress-trimming braid. Des. 67,539; June 9.
O'Brien, William C., Baltimore, Md. Hitch for electric cords. 1,541,654; June 9.
O'Brien, William L., Dayton, Ohio. Reaming tool. 1,540,947; June 9.
O Brien, William L., assignor to General Motors Research Corporation, Dayton, Ohio. Machine for weaving friction material on clutch disks. 1,541,434; June 9.
Oehm, William N., and G. Powell, Michigan City, Ind. Machine for surfacing car doors and the like. 1,541,522; June 9.
Ohio Injector Company, The. (See Allen, Charles B., assignor.)
Oishei, John R., Buffalo, N. Y. Radiator-cap ornament. Des. 67,540; June 9.
Okazawa, Tsuruji. (See Ikeda, K., Isobe, and Okazawa.)
Olin, John M. (See Schauerte, G. W., and Olin.)
Oliver Electric and Manufacturing Company. (See Amos, John A., assignor.)
Olson, Charles S., Duluth, Minn. Wrench. 1,541,065; June 9.
O'Neel, Walter, Shelbyville, Ind. Automatic wood turner. 1,540,801; June 9.
Ordway, Frank L., assignor to Parker Bros., Salem, Mass. Game. 1,540,802; June 9.
Ormond, James B., Flagstaff, Ariz. Follow block for filing cabinets. 1,541,173; June 9.
Ostromislensky, Iwan, Locust Point, N. J., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Obtaining vinyl chloride from acetylene. 1,541,174; June 9.
Ostromislensky, Iwan, and M. G. Shepard, New York, N. Y., assignors to The Naugatuck Chemical Company, Naugatuck, Conn. Producing styrol and its homologues from aromatic hydrocarbons. 1,541,175; June 9.
Ostromislensky, Iwan, New York, N. Y., assignor to The Naugatuck Chemical Company, Naugatuck, Conn. Manufacture of styrol or its homologues. 1,541,176; June 9.
Otte, Otho M., Tarentum, Pa. Combined button arranger and safety guard for wringers. 1,541,177; June 9.
Otte, Otho M., Tarentum, Pa. Wringer. 1,541,178; June 9.
Overin, Henry C., Weehawken, N. J. Shaft for polo mallets and the like. 1,541,736; June 9.
Owen, Richard B., Washington, D. C. Storage battery. 1,541,377; June 9.
P. & M. Company, The. (See De Busk, William H., assignor.)
P. & M. Company, The. (See Warr, Harold G., assignor.)
Paalman, John H., Grand Rapids, Mich. Serving table. 1,541,066; June 9.
Packard Motor Car Company. (See Doolittle, Henry P., assignor.)
Packard Motor Car Company. (See Vincent, Jesse G., assignor.)
Palmer, James, Philadelphia, Pa. Reed holder for accordions. 1,541,067; June 9.
Pannier, Arthur A., Salt Lake City, Utah. Printer's galley rack. 1,540,948; June 9.
Paraffine Companies, The. (See Finley, Dozier, assignor.)

Paramount Rubber Consolidated, Inc. (See Bates, Albert H., assignor.)
Parcell, John, New York, N. Y. Confection apparatus. 1,541,378; June 9.
Park, Abraham G., Baltimore, Md. Tire gauge. 1,541,750; June 9.
Parke, Peter, assignor to The Pullman Company, Chicago, Ill. Window arrangement for railway cars. 1,541,523; June 9.
Parker Bros. (See Ordway, Frank L., assignor.)
Parker, Eugene J., Cambridge, assignor to Universal Safety Signal, Inc., Boston, Mass. Signaling device. 1,540,857; June 9.
Parkinson, George A., Madison, Wis. Device for use in teaching geometry or trigonometry. 1,541,179; June 9.
Parkison, John E., Seattle, Wash. Dental casting machine. 1,541,180; June 9.
Parris, George F., Los Angeles, Calif. Changeable sign. 1,541,655; June 9.
Parsons, Arthur H. (See Walen, E. D., and Parsons.)
Parsons, Charles A., and J. Rowan, Newcastle-on-Tyne, England; said Rowan assignor to said Parsons. Dynamo-electric machine. 1,541,656; June 9.
Parsons, Charles A., and F. W. Gardner, Newcastle-on-Tyne, England; said Gardner assignor to said Parsons. Turbine blading. 1,541,657; June 9.
Patterson, John C., Philadelphia, Pa. Paper holder or clip. 1,541,524; June 9.
Paulus, Charles L. (See Russell, H. O., and Paulus.)
Pearce, William H. S., Newton, assignor to C. J. Robinson, Boston, Mass. Paper-holding clip for telephones. 1,541,525; June 9.
Pearl, William E., Brooklyn, N. Y. Collar. 1,541,379; June 9.
Pearson, Charles H., Brookline, Mass. Primer chamber for fuses. 1,541,380; June 9.
Pearson, Susan C., New York, N. Y. Soap container. Des. 67,541; June 9.
Peerless Paper Products Company. (See Simmons, Paul R., assignor.)
Peizer, Harry L., and E. C. Herthel, Chicago, Ill. Manufacture of aluminum chloride. 1,541,068; June 9.
Penn Spring Works Inc. (See Martin, William F., assignor.)
Pennsylvania Pump and Compressor Company. (See Noble, William H., assignor.)
Penn, William, New York, assignor to Biltmore Lighting Fixture Co. Inc., Brooklyn, N. Y. Lighting-fixture part. Des. 67,542; June 9.
People of the United States. (See Thelen, Rolf.)
Perkins, Harry F., Port Arthur, Tex. Distillation. 1,541,274; June 9.
Perrin, Arthur, New Liskeard, Ontario, Canada. Table lock. 1,541,381; June 9.
Perry, Ellery, assignor of one-half to R. E. Vance, Olean, N. Y. Casing for a railway-crossing danger signal. Des. 67,543; June 9.
Peters, Frederick W., et al. (See Thiemer, William H., assignor.)
Peters, Galen H., Los Angeles, Calif. Four-cycle internal-combustion engine. 1,541,069; June 9.
Peterson, Andrew, Brooklyn, N. Y. Railway-gate-operating device. 1,541,737; June 9.
Peterson, Peter F. (See Diller, George A., and Peterson.)
Peyton, William W., Carlisle, Ark. Lifter. 1,541,738; June 9.
Pfaudler Company, The. (See Chormann, Otto I., assignor.)
Pfennig, Richard E., and E. D. Wright, assignors of one-fourth to A. Willis and one-fourth to L. P. Kaufman, Boston, Mass. Carrier. 1,541,382; June 9.
Pfenning, Richard E., et al. (See Draver, Emil B., assignor.)
Phinney-Walker Company. (See Herbermann, Frederick C., assignor.)
Pickens, Davis A., Jackson, Miss. Railway-bridge switch. 1,540,949; June 9.
Pickup, George E., assignor to The Wehrle Company, Newark, Ohio. Gas range. 1,541,181; June 9.
Pictorial Machinery Limited. (See Harris, Robert, assignor.)
Pierce, Frank M., Chicago, Ill. Educator toy. 1,541,383; June 9.
Pierce, Frederick W., Somerville, assignor to F. W. Pierce and B. H. Macy, Boston, Mass. Hack saw. 1,541,384; June 9.
Pierce, Frederick W., et al. (See Pierce, Frederick W., assignor.)
Pierce, Winslow S., jr., Bayville, N. Y. Vehicle suspension. 1,541,526; June 9.
Piesch, Karl, New Orleans, La. Spring wheel. 1,541,739; June 9.
Piscitello, Dominick N. (See Piscitello, Roy C., assignor.)
Piscitello, Roy C., Boonton, assignor of one-half to D. N. Piscitello, Jersey City, N. J. Reenforcement for sweaters and making the same. 1,541,385; June 9.
Pitcher, James L., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Brush. 1,540,858; June 9.
Pittsburgh Plate Glass Company. (See Fox, John H., assignor.)
Pittsburgh Plate Glass Company. (See Gelstharp, Frederick, assignor.)
Plainfield Trust Company, The, administrator. (See Hopkins, Charles E.)
Plant, Thomas G., Company. (See Briggs, F. E., and McLeod, assignors.)
Platter, Orval E., North Vernon, Ind. Household cabinet. Des. 67,544; June 9.
Platter, Orval E., North Vernon, Ind. Cabinet with secret compartment. 1,541,769; June 9.
Plauson, Hermann, Hamburg, Germany. Conversion of atmospheric electric energy. 1,540,998; June 9.
Pliscque, Anatolie, Nashville, Tenn. Soldering iron. 1,540,859; June 9.
Plowman, Walter W., East Sheen, England. Grading of alkaline-earth carbonates. 1,541,182; June 9.
Pobans, Charles A. (See Pobans, George W., assignor.)
Pobans, George W., assignor to C. A. Pobans, Geneseo, Ill. Hand punch. 1,540,860; June 9.
Pocahontas Oil Company, The. (See Campbell, Douglas S., assignor.)
Polik Mike, Triadelphia, W. Va. Powder can. 1,541,658; June 9.
Polinkowsky, Lipa, New York, N. Y., and G. Deakin, London, England, assignors to Western Electric Company, Incorporated, New York, N. Y. Machine-switching telephone-exchange system. 1,541,886; June 9.
Polinskowsky, Lipa, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,541,887; June 9.
Polinkowsky, Lipa, Antwerp, Belgium, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,541,888; June 9.
Pomarouse, George, San Francisco, Calif. Necktie-tying device. 1,541,740; June 9.
Porter, Herman P., Washington, D. C. Amplifier for radio sets. Des. 67,546; June 9.
Pospehil, John, Venus, Nebr. Cement brick and block machine. 1,540,861; June 9.
Potdevin, Adolph, assignor to Potdevin Machine Company, Brooklyn, N. Y. Machine for capping jars. 1,541,389; June 9.
Potdevin Machine Company. (See Potdevin, Adolph, assignor.)
Powell, Gomert. (See Oehm, W. N., and Powell.)
Powell, Gomert, Michigan City, Ind. Hoisting and transferring mechanism. 1,541,527; June 9.
Powell, Herbert S., New Hartford, N. Y. Muffler. 1,541,275; June 9.
Powell, Herbert S., New Hartford, N. Y. Joint for the springs of motor vehicles. 1,541,276; June 9.
Powell, Herbert S., New Hartford, N. Y. Joint for the springs of motor vehicles. 1,541,277; June 9.
Powell, Jesse E., assignor to Armour and Company, Chicago, Ill. Toilet case. Des. 67,545; June 9.
Power Specialty Company. (See Bell, John E., assignor.)
Powers, James, New York, N. Y., assignor to American Code Machine Company, Memphis, Tenn. Coding attachment for typewriters. 1,541,188; June 9.
Powers, Leonard J., Waterloo, Iowa. Broom holder. 1,540,803; June 9.
Pratt, George W. (See Meredith, Charles B., assignor.)
Pratt & Whitney Company. (See Buckingham, Earle, assignor.)
Pratt & Whitney Company. (See Müller, Friederich, assignor.)
Pratt & Whitney Company. (See Thacher, John J., assignor.)
Prescott, William B. (See Head, R., and Prescott.)
Priddy & Buedingen. (See Buedingen, Elsa K., assignor.)
Providence Stock Company. (See Harrison, George D., assignor.)
Puett, Lamar C. (See Ransler, W. J., and Puett.)
Pugel, Frank J., Pueblo, Colo. Umbrella. 1,541,278; June 9.
Pullman Company, The. (See Parke, Peter, assignor.)
Punnett, Milton B., assignor to Eastman Kodak Company, Rochester, N. Y. Photographic film and making the same. 1,540,862; June 9.
Putnam, Henry S., assignor to Continuous Transit Company, New York, N. Y. Moving platform. 1,541,070; June 9.
Quertinmont, Jules J., Point Marion, Pa. Glass furnace. 1,541,772; June 9.
Rachlin, Max, New York, N. Y. Gutter hanger. 1,541,290; June 9.
Radiant Lighting Fixture Company. (See Bohl, Hugo, assignor.)
Radiant Specialty Company. (See Czapek, Stanley, assignor.)
Radiant Specialty Company. (See Dobrin, Daniel, assignor.)
Ramsay, Sereno J., Algona, Iowa. Dispensing and display containers. 1,541,659; June 9.
Ramsey, George. (See Hodge, Howard D., assignor.)
Randolph, Charles P., Oak Park, assignor to Edison Electric Appliance Company, Incorporated, Chicago, Ill. Electric heater. 1,541,660; June 9.
Randolph, J. H. (See Culver, Howard P., assignor.)
Rasmussen, Herman, and L. L. Bornholdt, Highmore, S. Dak. Air moistener. 1,541,391; June 9.
Ransler, William J., and L. C. Puett, Loveland, Colo. Weeder. 1,540,950; June 9.
Rawson, Ralph H. (See Goss, O. P. M., and Rawson.)

Raymond, Lemage, Woodhaven, N. Y., assignor to Camlin Corset Co., Inc. Undergarment. 1,541,184; June 9.
Reaney, James, Ruxton, Md. Mechanism for breaking and handling stones. 1,541,392; June 9.
Rebstock, August J., St. Louis, Mo. Conveyer. 1,541,393; June 9.
Reece, John, assignor to Evr Klean Seat Pad Co., St. Louis, Mo. Seat cover. 1,540,804; June 9.
Regenstein, Joseph, Chicago, Ill. Trimming the interiors of vehicles and the like. 1,541,587; June 9.
Reichel, John, Philadelphia, and C. Roos, Wellingford, Pa., assignors to H. K. Mulford Company, Growing lactobacilli, and the product. 1,540,951; June 9.
Reichenbach, Carl L., Yonkers, N. Y., assignor to H. W. Beach, Newark, N. J. Nozzle for air brushes. 1,540,805; June 9.
Reid, John L., Dublin, Ga. Lace-transferring device. 1,540,952; June 9.
Reipas, John, Sudbury, Ontario, Canada. Demountable rim for vehicle wheels. 1,541,594; June 9.
Reis, G., & Bro., Inc. (See Businger, Emil F., assignor.)
Relay Automatic Telephone Company, Limited, The. (See Betulander, Gotthilf, A., assignor.)
Reliable Railway Equipment Company. (See Tenseyman, John E., assignor.)
Reller, Edwin L., assignor to Wissler Instrument Company, St. Louis, Mo. Rotary pump. 1,541,435; June 9.
Remington Typewriter Company. (See Holden, Joseph B., assignor.)
Remington Typewriter Company. (See Selb, George A., assignor.)
Remondy, Léon E., Rueil, France. Mechanism for firing percussion or time fuses. 1,541,270; June 2.
Repogle, Daniel B., Berkeley, Calif. Spring attachment caster. 1,541,280; June 9.
Reshan, Miklos, Whiting, Ind. Sewer drain. 1,541,436; June 9.
Rice, Barton & Fales, Incorporated. (See Grant, Rufus H., assignor.)
Richardson, Frank L., Jena, La. Spring-grip latch for automobiles, etc. 1,541,185; June 9.
Richardson, Robert H., Richmond, Va. Scalp syringe. 1,540,863; June 9.
Riches, Piver & Co. (See Sanders, George E., assignor.)
Ricker, Floyd H., Los Angeles, Calif. Railway. 1,541,281; June 9.
Riddle, Edward N., Company, The. (See Crowell, Frank S., assignor.)
Ries, Frederick, Compton, Calif. Submarine vessel. 1,541,186; June 9.
Riley, Francis B., Newton, assignor to Heywood-Wakefield Company, Boston, Mass. Apparatus for producing imitation basket fabrics. 1,540,999; June 9.
Riley, Francis B., Newton, assignor to Heywood-Wakefield Company, Boston, Mass. Method of and loom for producing reed, wicker, and similar fabrics. 1,541,000; June 9.
Risdon Manufacturing Company. (See Wallace, Edward P., assignor.)
Ritteau, Ella M., Liberty, Mo. Window lift and ventilator. 1,541,588; June 9.
Rivelli, Augusto, assignor of one-half to J. D. Alaimo, Baltimore, Md. Ship protector. 1,541,661; June 9.
Robb, John F., Cleveland Heights, Ohio, assignor, by mesne assignments, to Koehring Company, Milwaukee, Wis. Apparatus for laying reenforced concrete. 1,540,901; June 9.
Robinson, Clement J. (See Pearce, William H. S., assignor.)
Robinson, Joseph V., New York, N. Y. Automatic trainpipe connecter. 1,540,953; June 9.
Robinson, Robert P. (See Higgins, John T., assignor.)
Robinson, Thomas E., Tulsa, Okla. Casing clamp. 1,541,662; June 9.
Rockwell, Hubert R., St. Louis, Mo. Blow-off valve. 1,540,954; June 9.
Rodger Ballast Car Company. (See Morey, William E., assignor.)
Roettges, Frederick, Stamford, Conn., assignor to S. R. Schwartz, New York, N. Y. Lamp shade. Des. 67,547; June 9.
Roettges, Frederick, Stamford, Conn., assignor to S. R. Schwartz, New York, N. Y. Portable lamp standard. Des. 67,548; June 9.
Rogers, Elwood C., Indianapolis, Ind. Moving-picture machine. 1,540,902; June 9.
Röhm & Haas Aktiengesellschaft. (See Bauer, Walter, assignor.)
Rohn, Wilhelm, Hanau-on-the-Main, Germany. Vessel for conveying and storing liquefied gases. 1,540,806; June 9.
Rohr, Mamie E., Lynchburg, Va. Purse. Des. 67,549; June 9.
Romig, Orange G., assignor of one-half to T. Kolins, Akron, Ohio. Lawn mower. 1,541,395; June 9.
Roos, Christopher. (See Reichel, J., and Roos.)
Roppte, Ronald, Humboldt, Iowa. Water gauge for radiators. 1,541,187; June 9.
Rorabeck, Earle H. (See Gauntt, Warren S., assignor.)
Rose, William D., Portland, Oreg. Sign or similar article. Des. 67,550; June 9.
Rosen, Jessel. (See Parsons, C. A., and Rosen.)
Rosenblatt, Isidor, New York, N. Y. Chandelier or article of similar nature. Des. 67,551; June 9.
Ross, Harry, Brooklyn, assignor of one-half to L. Spire, New York, N. Y. Fur-sewing machine. 1,541,751; June 9.
Ross, McHenry, Monrovia, Calif. Machine for removing husks from nuts. 1,540,956; June 9.
Rossbach, Clement A., Milwaukee, Wis., assignor, by mesne assignments, to The Fisk Rubber Company, Chicopee Falls, Mass. Calendering. 1,541,896; June 9.
Rossini, Joshua, Scranton, Pa. Monorail system. 1,541,589; June 9.
Roth, Hyman L. (See Noroak, Stanley, assignor.)
Royle, Vernon, Paterson, N. J. Core bridge for tubing machines. 1,541,528; June 9.
Rubin, Adolph, assignor to Silber Products Manufacturing Company, St. Louis, Mo. Combined door hinge and brace. 1,541,397; June 9.
Rue, Edward, assignor to Rue-Nelson Manufacturing Company, Minneapolis, Minn. Washing machine. 1,540,955; June 9.
Rue-Nelson Manufacturing Company. (See Rue, Edward, assignor.)
Ruggiere, Angelo F., Gold Creek, Mont. Anticreeping device. 1,540,957; June 9.
Russakov, Jacob I., Chicago, Ill. Display cover for relatively long boxes. 1,540,807; June 9.
Russell, Herbert O., Detroit, Mich., and C. L. Paulus, Dayton, Ohio. Feed box for cartridge belts of machine guns. 1,541,282; June 9.
Rutmann, Thomas, trustee. (See Daniels, S., and Zimmerman, assignors.)
Ryba, Charles F., assignor of one-third to F. Ryba and one-third to E. Ryba, Beardsley, Kans. Fire escape. 1,541,590; June 9.
Ryba, Enoch, et al. (See Ryba, Charles F., assignor.)
Ryba, Frank, et al. (See Ryba, Charles F., assignor.)
Sabbag, Litfallah G., assignor of one-half to M. A. Metcalf, Boston, Mass. Fastener-attaching mechanism. 1,540,864; June 9.
Sadler, Arthur E., Henrietta, Tex. Vaporproof storage tank. 1,541,591; June 9.
Safranski, Charles A. (See Balcerwics, Julius G., assignor.)
Salerni, Edoardo M. (See Salerni, Piero M. and E. M.)
Salerni, Piero M., London, England, and E. M. Salerni, Paris, France. Distillation apparatus. 1,541,071; June 9.
Salmons, Alva C., Cosby, Mo. Checkrow planter. 1,540,865; June 9.
Salt, Elmer H., Norwood, assignor to The Globe-Wernicke Company, Cincinnati, Ohio. Perforator. 1,541,188; June 9.
Sampson, Archibald T., assignor to Sampson Axcess System, Inc., Lynn, Mass. Garage light. 1,541,752; June 9.
Sampson, Axcess System, Inc. (See Sampson, Archibald T., assignor.)
Samuelson, Vernon A., Port Angeles, Wash., and Y. Young and C. Lightheart, Sequim, Wash.; said Young assignor to said Samuelson and Lightheart. Ignition-circuit breaker for motor vehicles. 1,540,866; June 9.
Sanborn, Charles H., Newburyport, Mass. Sewing-machine binder guide. 1,541,235; June 9.
Sandell, Henry K., Chicago, Ill. Radiofrequency transformer. 1,541,398; June 9.
Sanders, George E., Annapolis Royal, Nova Scotia, Canada, assignor to Riches, Piver & Co. Making an insecticide and a fungicide. 1,541,753; June 9.
Santoyo, Frank, St. Louis, Mo. Shoe. 1,540,908; June 9.
Sargeant, John M., Elmira, N. Y. Lamp heater. 1,541,283; June 9.
Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Ice-cream dish. Des. 67,552; June 9.
Saunders, Albert F., Syracuse, assignor to T. N. Benedict Mfg. Co., East Syracuse, N. Y. Sundae holder. Des. 67,564; June 9.
Saunders, John G., Cross Plains, Tex. Wrench. 1,541,399; June 9.
Savin, John, Liverpool, England, assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,541,400; June 9.
Savin, John, and R. Mercer, Liverpool, England, assignors to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,541,401; June 9.
Sawtelle, Charles A., assignor of one-fourth to G. E. Huff, Detroit, one-fourth to B. E. Cook, and one-fourth to A. E. Leas, Ypsilanti, Mich. Rotary valve. 1,540,808; June 9.
Saylor, Raymond D., New Ringgold, Pa. Clutch-pedal-control attachment for automobiles. 1,541,529; June 9.
Scammell China Company. (See Schnepf, Emil L., assignor.)
"Scandinavia" Belting, Limited. (See Fenton, A. M., and Crowther, assignors.)
Schauerte, George W., and J. M. Olin, assignor to Western Cartridge Company, East Alton, Ill. Battery cup and making the same. 1,541,437; June 9.
Schauerte, George W., Alton, assignor to Western Cartridge Company, East Alton, Ill. Cartridge shell and making the same. 1,541,438; June 9.

Schlaich, Herman, Long Island City, N. Y. Combined spot and parking light. 1,540,904; June 9.
Schlecht, Robert H. E. (See Dodge, C. H., and Schlecht.)
Schmarge, Henry, Belen, N. Mex. Air-brake system. 1,541,663; June 9.
Schmelzer, Bruno, Jersey City, N. J. Protector for Fans and the like. 1,541,286; June 9.
Schneider, Eugène, assignor to Schneider & Cie., Paris, France. Water-tight bulkhead for submarines and other submersible vessels. 1,540,968; June 9.
Schneider & Cie. (See Schneider, Eugène, assignor.)
Schnepf, Emil L., assignor to Scammell China Company, Trenton, N. J. Plate or similar article. Des. 67,553; June 9.
Schokmiller, Charles H. (See Carpenter, Thomas F., assignor.)
Scholl, Frederick G., Woodhaven, N. Y. Toy musical instrument. Des. 67,554; June 9.
Schreibeis, Edward G. (See Compton, M. S., and Schreibeis.)
Schreiber, Gustav, Griesheim-on-the-Main, and A. Beck, Schwanheim-on-the-Main, assignors to Chemische Fabrik Griesheim Elektron, Frankfort-on-the-Main, Germany. Treating molten magnesium. 1,540,867; June 9.
Schroeder, Frank W., and J. W. Wilcox, Bemidji, Minn. Wheel. 1,541,284; June 9.
Schroeder, William. (See Brettenbach, J. M., and Schoeder.)
Schuetze, Carrie E., Detroit, Mich. Combination bird cage and support. Des. 67,555; June 9.
Schultes, Hugo W., Brooklyn, N. Y. Tonsil snare. 1,541,664; June 9.
Schumacker, Leo J., Dayton, Ohio. Curling-iron holder. 1,540,959; June 9.
Schuman, Frank J., Cleveland Heights, Ohio. Wheel puller. 1,541,530; June 9.
Schüttler, Paul, and S. Löffler, Charlottenburg, near Berlin, Germany. Light-metal piston, especially for use in connection with internal-combustion engines. 1,540,905; June 9.
Schutz, Fritz. (See Kränslein, G., Nawrasky, Corell, Kuns, and Schutz.)
Schwartz, S. Robert. (See Roettges, Frederick, assignor.)
Schwebke, Walter, Beloit, Wis. Shearing machine. 1,541,592; June 9.
Schweinert, Maximilian C., New York, N. Y. Pump coupling. 1,540,906; June 9.
Scott, Richard G., Edmonton, Alberta, Canada. Wrench. 1,541,593; June 9.
Scully, Walter H., Florence, N. J. Percussion tool. 1,540,868; June 9.
Seaman, Fletcher A., Rochester, N. Y. Safety device for ladders. 1,541,402; June 9.
Searles, Raymond R., assignor to The Fafnir Bearing Company, New Britain, Conn. Lapping machine. 1,541,001; June 9.
Sears, Roebuck and Co. (See Cahill, J. H., and Kingdon, assignors.)
Sears, Willard T., Montclair, N. J., assignor to Niles-Bement-Pond Company, New York, N. Y. Safety device for milling machines. 1,540,809; June 9.
Sedlmayr, Fritz, Munich, Germany. Tying-up or bundling machine. 1,541,531; June 9.
Seib, George A., assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,540,907; June 9.
Seibert, Jacob O. M., Chicago, Ill. Transfer ticket. 1,541,403; June 9.
Semler, Clyde M., Akron, Ohio. Vulcanizing apparatus. 1,541,594; June 9.
Sewell, Benjamin F. B., Chula, Va. Tractor attachment. 1,541,665; June 9.
Shaffer, John E., assignor of one-eighth to G. V. Sterling, Chicago, Ill., three-eighths to J. J. Burns, and three-eighths to J. C. Shriver, Cumberland, Md. Brake mechanism. 1,540,869; June 9.
Shakespeare Company. (See Dumouchel, Edward J., assignor.)
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Shaw, James, Paterson, N. J. Shuttle. 1,541,666; June 9.
Shelton, Harry J., St. Louis, Mo. Grinder and beater. 1,540,908; June 9.
Shepard, John W., Tucson, Ariz. Valve-gear mechanism. 1,541,595; June 9.
Shepard, Morris G. (See Ostromislensky, I., and Shepard.)
Sherman, John Q., and A. W. Metzner, Dayton, Ohio; said Metzner assignor to said Sherman. Manifolding machine. 1,541,285; June 9.
Sherman, John Q., Dayton, Ohio. Manifolding machine. 1,541,286; June 9.
Sherman, John Q., Dayton, Ohio. Manifolding device. 1,541,287; June 9.
Sherman, Roy, Toledo, Ohio. Shingle-holding means. 1,540,960; June 9.
Shoemaker, Joseph A., Brooklyn, N. Y. Garment hanger. 1,541,741; June 9.
Short, Charles E., and R. N. Hart, assignors to General Motors Research Corporation, Dayton, Ohio. Front spring. 1,541,439; June 9.
Shramek, Louis J., New York, N. Y. Foldable form. 1,541,002; June 9.
Shriver, James C., et al. (See Shaffer, John E., assignor.)
Sickles, Frank W., Springfield, Mass. Method of and machine for the internal winding of wire. 1,541,189; June 9.
Silber Products Manufacturing Company. (See Rubin, Adolph, assignor.)
Simmons, Paul E., assignor to Peerless Paper Products Company, Indianapolis, Ind. Package and dispensing device for paper dishes. 1,541,532; June 9.
Simon, William, North Sydney, New South Wales, Australia. Device for use with laces of boots and shoes. 1,540,810; June 9.
Singer Manufacturing Company, The. (See Hemleb, Martin, assignor.)
Singer Manufacturing Company, The. (See Lucy, Calvin H., assignor.)
Skaupy, Franz, and F. Koref, Berlin, Germany, assignors to General Electric Company, Filament for incandescent lamps or other vacuum apparatus. 1,541,596; June 9.
Skinner Automotive Device Co. (See Skinner, Ralph L., assignor.)
Skinner, Ralph L., Detroit, Mich., assignor to Skinner Automotive Device Co., Inc., Sacramento, Calif. Sleeve type of internal-combustion engine. 1,541,072; June 9.
Slatis, Abraham. (See Bloom, H. J., and Slatis.)
Slusser, Clyde, Chicago, Ill. Automatic regulator for furnaces. 1,540,811; June 9.
Smalley, Walter H., Jetmore, Kans. Stacker wagon. 1,540,812; June 9.
Smith, Benjamin H., Los Angeles, Calif. Retort. 1,541,404; June 9.
Smith, Benjamin H., Los Angeles, Calif. Retort. 1,541,405; June 9.
Smith, Clyde J., assignor to Morgan & Wright, Detroit, Mich. Sheet-controlling device. 1,541,190; June 9.
Smith, Douglas B., San Francisco, Calif. Tranamission relining band. 1,541,406; June 9.
Smith, Edward, Weyerhauser, Wis. Stone and rock picking mechanism. 1,541,533; June 9.
Smith, Herman A., Coleman, Tex. Cotton press. 1,541,288; June 9.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,541,191; June 9.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,541,192; June 9.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Lapping machine. 1,541,003; June 9.
Smith, Lon W., Maron, Ill. Pump-operating apparatus. 1,541,597; June 9.
Smith, Percy C., East Orange, N. J.; assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical switching apparatus. 1,541,193; June 9.
Smith, Percy C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electrical switching device. 1,541,194; June 9.
Smith, Roy W., Mechanicville, N. Y. Helicopter flying machine. 1,541,195; June 9.
Smith, William A., Detroit, Mich., assignor to Chicago Pneumatic Tool Company, New York, N. Y. Pneumatic tool. 1,540,909; June 9.
Smith, William A., Athens, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Rock drill. 1,540,910; June 9.
Smith, William H. (See Clement, Alvah W., assignor.)
Smith, William H. (See Fisher, Francis L., assignor.)
Snead & Company Iron Works. (See Macdonald, Harry P., assignor.)
Snider, Troy J., and W. E. Marshall, Terrell, Tex. Treating transmission bands. 1,541,598; June 9.
Société Anonyme de Commentry, Fourchambault & Decazeville. (See Muguet, Claude, assignor.)
Société Anonyme des Apparells de Manutention & Fours Stein. (See Atkinson, James S., assignor.)
Societe Anonyme des Motocyclettes et Automobiles Viratelle. (See Nambotin, Joseph, assignor.)
Sohm, Alfred L., Chicago, Ill. Indicator. 1,541,073; June 9.
Sohm, Alfred L., Chicago, Ill. Indicator. 1,541,074; June 9.
Solosabal, Andres, Boise, Idaho. Reflector. 1,540,813; June 9.
Soneshein, Samuel, New York, N. Y. Toothbrush. 1,540,911; June 9.
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Souder, Frank P., Bridgeton, N. J. Safety-control helicopter. 1,541,534; June 9.
Southward, Glenn B., Elkins, and C. O. Gallaher, Coalton, W. Va. Car retarder. 1,541,667; June 9.
Spangenberg, Kurt, assignor to the Firm Carl Zeiss, Jena, Germany. Optical element. 1,541,407; June 9.
Spayd, Fred M., Van Wert, Ohio. Lath. 1,541,075; June 9.
Spencer, Ira H., assignor to The Spencer Turbine Company, West Hartford, Conn. Temperature regulator for blowers. 1,540,912; June 9.
Spencer Turbine Company, The. (See Spencer, Ira H., assignor.)

Spero, Samuel, Hollywood, Calif. Garment. 1,541,440; June 9.
Sperry, Arthur B., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,541,196; June 9.
Spire, Louis. (See Roes, Harry, assignor.)
Spreen, Charles C., Detroit, Mich., assignor, by mesne assignments, to Kelvinator Corporation, Detroit, Mich. Refrigerating apparatus. 1,541,754; June 9.
Stamos, Harry N., Centerville, Iowa. Railway-track liner. 1,541,599; June 9.
Standard Development Company. (See Mann, Matthew D., jr., assignor.)
Standard Products Corporation. (See Ballou, Franklin B., assignor.)
Stark, John R., assignor to Webster Electric Company, Racine, Wis. Magneto. 1,541,535; June 9.
Stearn, Franklin A., Paterson, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,541,408; June 9.
Stebbins Engineering & Mfg. Co., The. (See Merrill, Albert D., assignor.)
Steenstrup, Christian, Schenectady, N. Y., assignor to General Electric Company. Operating electric furnaces. 1,541,600; June 9.
Stein, George W., Los Angeles, Calif. Combination brush. 1,541,197; June 9.
Steinberger, George, Cherryvale, and P. E. Steinberger, Sycamore, Kans. Automatic well and pipe-line drip. 1,540,814; June 9.
Steinberger, Paul E. (See Steinberger, George and P. E.)
Sterling, George V., et al. (See Shaffer, John E., assignor.)
Steuart, Robert B., assignor to I. E. Johnson, Kansas City, Mo. Transmission-band clamp. 1,540,815; June 9.
Stevens, John P., Newburyport, Mass. Boot or shoe. 1,540,961; June 9.
Stevenson, William B. (See Kieffer, E. T., and Stevenson.)
Stewart, Franklin W., Chicago, Ill. Locking automobiles against theft. 1,541,773; June 9.
Stickney, Burnham C., Rutherford, N. J. Typewriting machine. Re16,092; June 9.
Stimmel, Frederick C., assignor to The Casey-Hedges Co., Chattanooga, Tenn. Furnace arch. 1,541,441; June 9.
Stimpson, Edward S., deceased, by W. I. Stimpson, executor, assignor to Draper Corporation, Hopedale, Mass. Loom. 1,541,755; June 9.
Stimpson, Wallace I., executor. (See Stimpson, Edward S.)
Stinson Sales Co. (See Styles, Russell, assignor.)
Stokes and Smith Company. (See Federwitz, T. A., and Bailey, assignors.)
Stokes and Smith Company. (See Nitsch, C. H., and Federwitz, assignors.)
Stokes and Smith Company. (See Wetherill, Lee R., assignor.)
Stomi, Steve, Worcester, Mass. Collar. 1,541,289; June 9.
Strauss, Joseph B., Chicago, Ill. Electric railway. 1,541,076; June 9.
Strauss, Siegmund, Vienna, Austria. Amplifier for subscribers' stations. 1,541,668; June 9.
Streit, Frank J., assignor of one-half to D. B. Kaufmann, Cincinnati, Ohio. Shore. 1,541,290; June 9.
Stuart, George J., Pittsburgh, Pa. Hydraulic valve. 1,540,962; June 9.
Stuber, Adolph, Rochester, N. Y. Fluid-measuring apparatus. 1,541,077; June 9.
Styles, Russell, assignor to Stinson Sales Co., Inc., Brooklyn, N. Y. Burner. Re16,095; June 9.
Sudweeks, Jonathan, Ephraim City, Utah. Punch. 1,540,962; June 9.
Sullivan, Jeremiah, Dudley, Pa. Pipe fitting. 1,540,816; June 9.
Sullivan, Raymond H., assignor to North East Electric Company, Rochester, N. Y. Winding armatures. 1,541,442; June 9.
Summers, Robert B., Tulsa, Okla. Casing spider. 1,541,669; June 9.
Summit Thread Company. (See Hume, Edgar D., assignor.)
Superheater Company, The. (See Broido, Benjamin, assignor.)
Superheater Company, The. (See McKee, Neal T., assignor.)
Swenson, Swen R., New Haven, Conn., assignor, by mesne assignments, to The Motor Radiator & Manufacturing Corporation, Newark, N. J. Radiator. 1,540,913; June 9.
Swift & Company. (See Bloom, Oscar T., assignor.)
Swift, William Z., Buckner, Va. Trace support. 1,540,817; June 9.
Tabler, Charles F. W., Tampico, Mexico. Separating gas from liquids. 1,540,963; June 9.
Taplay, John G. (See Forwood, G. F., and Taplay.)
Taylor, Gracebel, Puente, Calif. Alphabetical toy. 1,541,004; June 9.
Taylor, Henry L., Westfield, Wis. Apple and other fruit picker. 1,540,818; June 9.
Teagle Company, The. (See Hanford, George S., assignor.)
Technicolor Motion Picture Corporation. (See Ball, J. A., and Weaver, assignors.)
Temple, David L., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,541,291; June 9.
Ternstedt Manufacturing Company. (See Archer, T. P., and Heintz, assignors.)
Terry, Joseph T., Alhambra, assignor of one-half to J. E. Lacy and one-eighth to R. H. Lacy, Los Angeles, Calif. Treating ores. 1,541,292; June 9.
Terry, Joseph T., Alhambra, assignor of one-half to J. E. Lacy and one-eighth to R. H. Lacy, Los Angeles, Calif. Treating ores. 1,541,293; June 9.
Tervas, Joseph K. E., Hancock, Mich. Reel for picture machines. 1,541,005; June 9.
Tesseyman, John E., assignor to Reliable Railway Equipment Company, Chicago, Ill. Uncoupling device. 1,541,536; June 9.
Teter, Leland D., Livingstonville, N. Y. Slip clutch for stone gatherers. 1,541,198; June 9.
Thacher, John J., Wethersfield, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Centering machine. 1,540,819; June 9.
Thelen, Rolf, Madison, Wis. Reversible circulation internal fan kiln. 1,541,294; June 9.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the People of the United States. Reversible circulation internal fan kiln. 1,541,443; June 9.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Reversible circulation internal fan kiln. 1,541,444; June 9.
Thelin, Erick B., et al. (See Le Beau, Fernando J., assignor.)
Thelin, Titus L., et al. (See Le Beau, Fernando J., assignor.)
Thevenot, Gaston D., New York, N. Y. Making vegetable milk. 1,541,006; June 9.
Thiemer, William H., assignor to himself, F. W. Peters, and J. H. Wills, Cleveland, Ohio. Slip-end spline connection for universal joints and the like. 1,541,007; June 9.
Thiess, Frank C., Jersey City, N. J. Rim for vehicle wheels. 1,541,445; June 9.
Thomas & Betts Co., The. (See Thomas, George C., jr., assignor.)
Thomas, George C., jr., assignor to The Thomas & Betts Co., Elizabeth, N. J. Adapter for connecting devices. 1,541,537; June 9.
Thomas, Ivor D., Cleveland Heights, and P. H. Douglas, East Cleveland, assignors to The Wellman-Seaver-Morgan Company, Cleveland, Ohio. Straightening metal pieces. 1,541,295; June 9.
Thompson, Oliver L., Tulsa, Okla. Vehicle parking attachment. 1,541,670; June 9.
Thomson, Edward, Ashley, Ill. Feeding attachment for hay presses. 1,541,199; June 9.
Thomson, Herbert G., New York, N. Y. Sign stand. 1,541,200; June 9.
Thornton, Michael J. (See White, E. R., and Thornton.)
Thorpe, William S. (See Woodin, George T., assignor.)
Tiffany, William H., Portland, Oreg. Electric lantern. Des. 67,556; June 9.
Tillmanns, Carl H., Bandoeng, Java, assignor of one-third to C. J. R. van Lennep, Dandoeng, Dutch East Indies. Tea gathering. 1,541,446; June 9.
Tissler, Josef, Bally, Pa. Rivet holder. 1,541,079; June 9.
Tlucka, Louis, Paterson, N. J. Hosiery. 1,541,008; June 9.
Tolliver, Louis C., Trinity, Tex. Locomotive construction. 1,541,080; June 9.
Tomlinson, Arthur B., Portage, Wis. Pitchfork attachment. 1,541,671; June 9.
Towsley, Elisabeth. (See Kaetker, Howard C., assignor.)
Toy Krofters, Inc., The. (See Fisher, Charles D., assignor.)
Trahan, Joseph N., Quebec, Quebec, Canada. Electric immersion heater. 1,540,964; June 9.
Trask, Orr C., Toronto, Ontario, Canada. Steam-propelled vehicle. 1,541,009; June 9.
Travis, John M., St. Louis, Mo. Beverage container. Des. 67,557; June 9.
Tribe, Charles, administrator. (See Tribe, Ernest.)
Tribe, Ernest, deceased; C. Tribe, administrator, assignor to Victaulic Company, Limited, London, England. Pipe joint. 1,541,601; June 9.
Trieschmann, Carl H., Milwaukee, Wis. Arch-support-securing means. 1,540,965; June 9.
Trott, Rolland S., Denver, Colo. Closed-circuit classifier. 1,541,287; June 9.
Trumbo, Wilber F. and W. L. Kieffer, New Carlisle, Ohio. Oil-filtering device. 1,541,602; June 9.
Tulay, Frank, St. Louis, Mo. Carrier. 1,541,672; June 9.
Tunnell, Harry E., assignor to Fire Gun Manufacturing Company, Inc., New York, N. Y. Valved vent. 1,541,538; June 9.
Turner, Frear, assignor to Turner-Messenger Manufacturing Co., Detroit, Mich. Ice-cubing machine. 1,541,603; June 9.

Turner-Messenger Manufacturing Co. (See Turner, Frear, assignor.)
Uihlein, William B., Milwaukee, Wis. Dealcoholizing process. 1,541,296; June 9.
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Underwood Typewriter Company. (See Waldheim, John, assignor.)
Union Switch & Signal Company, The. (See McCann, Ronald A., assignor.)
Union Switch & Signal Company, The. (See McWhirter, William C., assignor.)
United Kingdom Oil Company Limited. (See Forwood, G. F., and Gaplay, assignors.)
U. S. Auto Lamp Mfg. Co. (See Lapidus, Leon, assignor.)
United States Graphite Company, The. (See Adams, Charles W., assignor.)
U. S. Industrial Alcohol Co. (See Wysocki, John, assignor.)
Universal Oil Products Company. (See Halle, Hiram J., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, G., and Benner, assignors.)
Universal Safety Signal, Inc. (See Parker, Eugene J., assignor.)
V. Mairhofen, Eduard F., Cassel, Germany. Racket with ball-catching device. 1,540,823; June 9.
Vacek, Staches T., Richmond, Tex. Cultivator sweep. 1,541,010; June 9.
Valenta, John A., and J. Kovar, Taylor, Tex. Heating cabinet. 1,541,673; June 9.
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Conveying mechanism for can washers. 1,540,820; June 9.
Valerius, Theodore L., and O. Larsen, Fort Atkinson, Wis., assignors to The Creamery Package Mfg. Company, Chicago, Ill. Ice-cream-brick-mold releaser. 1,540,821; June 9.
Vallos, Harry, Detroit, Mich. Broiler. 1,541,011; June 9.
Vance, Roy E. (See Perry, Ellery, assignor.)
Van Delinse, Paulus J. A., Greenville, Mich. Hollow-blast grate bar. 1,541,012; June 9.
Van Derhoef, Henry E., assignor to Eastman Kodak Company, Rochester, N. Y. Making laminated films. 1,540,822; June 9.
Van Der Zwalin, Edmond, St. Charles, Ill. Combined sash and lift lock. 1,541,447; June 9.
Van Horn, Vandiver J., Chicago, Ill. Tape-moistening machine. 1,541,297; June 9.
Van Lennep, Cornelis J. E. (See Tillmanns, Carl H., assignor.)
Van Ness, Henry E., Elmira, N. Y. Yarn cleaner. 1,541,448; June 9.
Vannucci, Arthur. (See Carini, Mario, assignor.)
Vareille, Pierre H. E., Levallois-Perret, France. Positive valve-control mechanism. 1,541,081; June 9.
Veenschoten, Vincent V., assignor to Northern Equipment Co., Erie, Pa. Valve. 1,541,082; June 9.
Vend Ads Corp. (See Chandler, Daniel L., assignor.)
Ve Relle, William H., Newark, N. J., assignor to H. J. Klusmire, Holton, Kans. Animal trap. 1,541,298; June 9.
Vesta Battery Corporation. (See Angell, Chester M., assignor.)
Vester, Alfred Sons, Inc. (See Garth, Ruth L., assignor.)
Vetter, Benjamin H., Lynnhaven, Va. Celery buncher. 1,541,013; June 9.
Victaulic Company, Limited. (See Tribe, Ernest, assignor.)
Victor Talking Machine Company. (See Kieffer, E. T., and Stevenson, assignors.)
Vincent Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,540,966; June 9.
Vincent, Jesse G., assignor to Packard Motor Car Company, Detroit, Mich. Hydrocarbon motor. 1,540,967; June 9.
Von Waldy, Julius, New York, N. Y. Pneumatic spring suspension. 1,540,824; June 9.
Von Waldy, Julius, New York, N. Y. Pneumatic spring suspension. 1,540,825; June 9.
Vulcan Last Company, The. (See Clausing, George, assignor.)
W. W. Associated Attleboro Manufacturers, Inc. (See Wallenthin, Walfrid, assignor.)
Waentig, Percy, and R. Ziegenbalg, Dresden, Germany; said Ziegenbalg assignor to said Waentig. Treatment of vegetable fibers and the manufacture of celluloes by the chlorination process. 1,540,968; June 9.
Waggoner, Thomas A. (See McElroe, Robert C., assignor.)
Wagner, Charles F., Atlantic City, N. J. Support for furnace arches. 1,541,449; June 9.
Wagner, Eduard, Wauwatosa, Wis. Hand electric lamp. 1,541,014; June 9.
Wagner, Walter, Chicago, Ill. Electrically-operated means for sealing vacuum bottles in combination with automatic plug-feeding mechanism. 1,541,604; June 9.
Waldheim, John, Elisabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,541,742; June 9.
Waldheim, John, Elisabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,541,743; June 9.
Walen, Ernest D., Watertown, and A. H. Parsons, Gloucester, Mass. Machine for indicating variations in sliver thickness. 1,540,969; June 9.
Walker, Clifton L., Piedmont, Calif. Dynamometer. 1,541,083; June 9.
Walker, Ernest A., Newark, N. J., assignor to W. Goldberg and A. Goldberg, Newark, N. J., trading as The G & G Fixture Co. Lighting fixture. Des. 67,558; June 9.
Walker, Ernest A., Newark, N. J., assignor to W. Goldberg and A. Goldberg, trading as The G & G Fixture Co., Newark, N. J. Lighting fixture. Des. 67,559; June 9.
Walker, Ernest A., Newark, N. J., assignor to W. Goldberg and A. Goldberg, trading as The G & G Fixture Co. Scroll arm for lighting fixtures. Des. 67,560; June 9.
Walker, Henry, Wilmington, Del. Radio loud-speaker receiver. 1,541,450; June 9.
Wallace, Alexander, Shawsheen Village, Mass. Truck. 1,540,914; June 9.
Wallace, Edward P., assignor to Risdon Manufacturing Company, Waterbury, Conn. Vanity case. 1,541,451; June 9.
Wallace, Lewis R., Waltham, Mass. Automatic train-stop mechanism. 1,540,915; June 9.
Wallenthin, Walfrid, assignor to W. W. Associated Attleboro Manufacturers, Inc., Attleboro, Mass. Underswung cam buckle. 1,541,452; June 9.
Walter, Morley C. (See Winget, E. T., Bradley, and Walter.)
Walters, Arthur L., assignor to Eli Lilly and Company, Indianapolis, Ind. Dressing for wounds. 1,541,299; June 9.
Ward Baking Company. (See Hoffman, C., Grigsby, and Cregor, assignors.)
Ward, Walter, Hunter, Kans. Powder puff. 1,540,970; June 9.
Warner, Clarence. (See Buringer, G. A., and Warner.)
Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,541,084; June 9.
Washburn, Almon B. (See Goodwin, J. L., and Washburn.)
Wasserman, David, Jersey City, N. J. Corner fastening for bedsteads. 1,540,971; June 9.
Watkins, Clayton S., Wichita Falls, Tex. Demountable rim and wheel for automobiles and other vehicles. 1,541,453; June 9.
Watts, Harry J., Turtle Creek, Pa. Device for drilling or boring polygonal-shaped openings. 1,540,826; June 9.
Wayt, Paul A. (See Micek, Richard, assignor.)
Weeks, Martin L., Granite City, Ill., and J. W. Cary, Cumberland City, Tenn. Crosstie. 1,541,605; June 9.
Weaver, Eastman A. (See Ball, J. A., and Weaver.)
Webb, Jervis B., Detroit, Mich. Trolley for chain conveyers. 1,541,539; June 9.
Webster Electric Company. (See Stark, John R., assignor.)
Wehn, Charles E., assignor to Listo Pencil Corporation, Alameda, Calif. Pencil. 1,541,085; June 9.
Wehrle Company, The. (See Pickup, George E., assignor.)
Weir, Harry E., Wildwood, N. J. Antifouling trap valve. 1,541,540; June 9.
Weiss, Abraham, New York, N. Y. Attachment for taximeter vehicles. 1,541,541; June 9.
Weiss, Abraham, New York, N. Y. Attachment for motor vehicles. 1,541,542; June 9.
Weiss, Abraham, New York, N. Y. Attachment for motor vehicles. 1,541,543; June 9.
Weiss, Abraham, New York, N. Y. Taximeter vehicle. 1,541,544; June 9.
Wellman-Seaver-Morgan Company, The. (See Thomas, I. D., and Douglas, assignors.)
Wells, Alfred A., Montclair, N. J., assignor, by mesne assignments, to E. B. Hunt, trustee, Mount Kisco, N. Y. Catalytic oxidation of secondary alcohols. 1,541,545; June 9.
Wells, William W., Toronto, Ontario, Canada. Electroplating machine. 1,541,464; June 9.
Wennerblad, Einar G., N. O. Nelson, and R. C. Johnson, San Francisco, Calif. Zigzag-paper-strip-folding machine. 1,541,201; June 9.
Wert, Cyrus S., Kendallville, Ind. Composition of matter for facing concrete blocks. 1,541,606; June 9.
Wertheim, Ferd E., Chicago, and A. U. Wetherbee, Evanston, Ill., assignors to W. A. Gilchrist, New York, N. Y. Furnace door. 1,541,016; June 9.
Western Cartridge Company. (See Schauerte, George W., assignor.)
Western Cartridge Company. (See Schauerte, G. W., and Olin, assignors.)
Western Electric Company. (See Albert, Walter P., assignor.)

Western Electric Company. (See Anderson, Sidney E., assignor.)
Western Electric Company. (See Bancroft, E. P., and Kerr, assignors.)
Western Electric Company. (See Beck, William O., assignor.)
Western Electric Company. (See Forsberg, Oscar F., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Goodrum, Charles L., assignor.)
Western Electric Company. (See Irvine, Frank S., assignor.)
Western Electric Company. (See Kane, Alfred F., assignor.)
Western Electric Company. (See Knoop, William A., assignor.)
Western Electric Company. (See Locke, George A., assignor.)
Western Electric Company. (See Martin, George R., assignor.)
Western Electric Company. (See McQuarrie, James L., assignor.)
Western Electric Company. (See Miller, Victor F., assignor.)
Western Electric Company. (See Murphy, Paul B., assignor.)
Western Electric Company. (See Nunn, Darrell, assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Polinkowsky, L., and Deakin, assignors.)
Western Electric Company. (See Smith, Percy C., assignor.)
Western Electric Company. (See Sperry, Arthur B., assignor.)
Western Electric Company. (See Stearn, Franklin A., assignor.)
Western Electric Company. (See Temple, David L., assignor.)
Western Electric Company. (See White, John H., assignor.)
Westhafer, Terrence O., Pueblo, Colo., and F. M. Miller, Chicago, Ill. Centrifugal drier. 1,541,163; June 9.
Wetherbee, Ashur U. (See Wertheim, F. E., and Wetherbee.)
Wetherill, Lee R., assignor to Stokes and Smith Company, Philadelphia, Pa. Form block. 1,540,973; June 9.
Wever, Olga C., West Suffield, Conn. Golf sticks. 1,541,674; June 9.
Wheeler, William W., Knoxville, Tenn. Loom. 1,541,086; June 9.
Whitaker, William H., Shelbyville, Ill. Powdered-fuel air mixer and feeder. 1,541,087; June 9.
White, Edward R., and M. J. Thornton; said Thornton assignor to I. M. White, St. Paul, Minn. Lumber-handling roller. 1,541,300; June 9.
White, George C., Miami, Fla. Plumb and level instrument. 1,541,455; June 9.
White, John H., Cranford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Soldering device and material. 1,541,301; June 9.
White, Irene M. (See White, E. R., and Thornton, assignors.)
White, William E., assignor to Kalman Steel Co., Chicago, Ill. Chair for concrete leveling devices. 1,541,302; June 9.
White Pine Sash Company. (See Edmond, Oscar G., assignor.)
Whitenack, William A., New York, N. Y. Sink brush. 1,541,088; June 9.
Wigle, Mary R. (See Wigle, Wilson B., assignor.)
Wigle, Wilson B., Long Beach, assignor to M. R. Wigle, Los Angeles, Calif. Piston-packing-expanding device. 1,541,548; June 9.
Wikle, George F. (See Ames, C. B., and Wikle.)
Wilcox, John W. (See Schroeder, F. W., and Wilcox.)
Wilder, Richard H., assignor of one-half to W. C. Bowen, Port Huron, Mich. Printing press. 1,541,017; June 9.
Wildgrube, Paul M., Sycamore, Kans. Disk sharpener. 1,541,756; June 9.
Wildman Mfg. Co. (See Krieble, Charles C., assignor.)
Wilkinson, Joseph, Fairhaven, Mass., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-back mechanism for looms. 1,541,303; June 9.
Willard Storage Battery Company. (See Dunsweiler, Carl J., assignor.)
Williams, Lewis W. (See Ellison, Robert B., assignor.)
Williams, Louis N. D., Ogonta, Pa. Transfer of knitted fabrics. 1,541,547; June 9.
Williams, Orr H., assignor to The Lancaster Tire and Rubber Company, Columbus, Ohio. Closure for conduits. 1,541,756; June 9.
Willis, Arthur, et al. (See Draver, Emil R., assignor.)
Willis, Arthur, et al. (See Pfennig, R. E., and Wright, assignors.)
Willis, J. H., et al. (See Thiemer, William H., assignor.)
Wilson, Archibald. (See Wilson, Thomas and A.)
Wilson, Horace R., Harvey, Ill. Furrowing device. 1,541,456; June 9.
Wilson, J. G., Corporation, The. (See Dodge, Arthur H., assignor.)
Wilson, J. G., Corporation, The. (See Duncanson, Walter E., assignor.)
Wilson, J. G., Corporation, The. (See Fairhurst, John T., assignor.)
Wilson, Thomas and A., Deagh, Ireland. Stop motion. 1,541,548; June 9.
Wilson, Thomas F., Cranston, R. I. Crank-case arm. Des. Re16,093; June 9.
Wilson, William, Selma, Ala. Hat-steaming machine. 1,540,974; June 9.
Winbigler, Cecil M., Washington, D. C. Game. 1,541,202; June 9.
Wineman, Charles P., and W. G. Calkins, assignors to Detroit Twist Drill Company, Detroit, Mich. Automatic drill-milling machine. 1,541,549; June 9.
Winget, Earl T., H. E. Bradley, and M. C. Walter, assignors to H. E. Bradley Co., Minneapolis, Minn. Signal for motor vehicles. 1,541,089; June 9.
Winholt, Einar A., assignor to Deere & Company, Moline, Ill. Baffle wall for boilers. 1,541,304; June 9.
Winkley, Frank D., Madison, Wis., assignor to The Bassick Manufacturing Company, Chicago, Ill. Lubricating coupling. 1,541,409; June 9.
Winn, Sidney B., Lapeer, Mich. System of transportation. 1,541,457; June 9.
Winterbottom, John W., assignor to Nashua Manufacturing Company, Nashua, N. H. Gingham textile fabric. Des. 67,561; June 9.
Winterlich, Paul, Dayton, Ohio. Mirror. Des. 67,562; June 9.
Winther, Christian W., C. W., and L. V., Fresno, Calif. Cylinder-lapping machine. 1,540,975; June 9.
Winther, Clarence W. (See Winther, Christian W., C. W., and L. V.)
Winther, Lenna V. (See Winther, Christian W., C. W., and L. V.)
Wiseman, Bruce K., assignor to Eli Lilly and Company, Indianapolis, Ind. Medicinal tablet. 1,541,744; June 9.
Wissler Instrument Company. (See Reller, Edwin L., assignor.)
Wolf, George B. (See Horner, J. E., and Wolf.)
Wolf, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Cabinet for sound-producing device. Des. 67,563; June 9.
Wolfram, Andrew, Pittsburgh, Pa. Machine for making nuts. 1,541,018; June 9.
Wolfson, Isadore D., New York, N. Y. Necktie. 1,541,675; June 9.
Wood, George R., Los Angeles, Calif. Sign. 1,541,203; June 9.
Woodin, George T., Newport, N. Y., assignor of one-half to W. S. Thorpe, Lakewood, Ohio. Multiple-fuse plug. 1,541,305; June 9.
Wright, Benjamin F., Elk Hill, Va. Marine vessel. 1,541,204; June 9.
Wright, Edward D., et al. (See Draver, Emil R., assignor.)
Wright, Edward D. (See Pfennig, R. E., and Wright.)
Wright, Frederick W., Danvers, Mass. Vehicle. 1,541,458; June 9.
Wysocki, John, Brooklyn, Md., assignor to U. S. Industrial Alcohol Co. Capping bottles. 1,541,550; June 9.
Yorke, Wilfred. (See Briggs, J. F., and Yorke.)
Young, Erick A., Los Angeles, Calif. Automobile jack. 1,541,306; June 9.
Young, Yorke. (See Samuelson, V. A., Young, and Lightheart.)
Youngman, Edward, Muskegon, Mich. Road skate. 1,541,019; June 9.
Yunkes, Rudolph M., St. Francisville, La. Vehicle lifter. 1,541,090; June 9.
Zaidan Hojin Rikagaku Kenkyujo. (See Ikeda, K., Isobe, and Okasawa, assignors.)
Zeiss, Firm of Carl. (See Spangenberg, Kurt, assignor.)
Ziegenbalg, Richard. (See Waentig, P., and Ziegenbalg.)
Zimmerman, Arthur C. (See Daniels, S., and Zimmerman.)
Zinn, Henry J., Forty Fort, Kingston, Pa. Knife construction. 1,541,307; June 9.
Zoelly, Heinrich, Zurich, Switzerland. Belt transmission gear. 1,541,607; June 9.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 9TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive. T. R. Heintz. 1,540,967; June 9.
Absorbent shield for garments. R. Kamm. 1,541,054; June 9.
Accumulator. L. A. Lammerts. 1,540,847; June 9.
Acid, Preparing metallic salts of dithiocarbamic. Y. Nikaido. 1,541,433; June 9.
Accordions, Reed holder for. J. Palmer. 1,541,067; June 9.
Activated material, Manufacture of. O. L. Barnebey and M. B. Cheney. 1,541,090; June 9.
Adapter for connecting devices. G. C. Thomas, jr. 1,541,537; June 9.
Adhesive holder, Liquid. J. P. Burnett. 1,540,829; June 9.
Advertising device. A. K. Davis. 1,540,830; June 9.
Advertising novelty. T. A. Hunter. 1,541,504; June 9.
Agglomerated material and making the same. A. S. Blachorovitch. 1,540,922; June 9.
Agricultural implement. D. Mercer. 1,541,162; June 9.
Air-brake system. H. Schmarge. 1,541,663; June 9.
Air, Drying. K. Ikeda, H. Isobe, and T. O. Okasawa. 1,541,147; June 9.
Air mixer and feeder, Powdered-fuel. W. H. Whitaker. 1,541,087; June 9.
Air moistener. H. Rasmussen and L. L. Bornholdt. 1,541,391; June 9.
Alcohols, Catalytic oxidation of secondary. A. A. Wells. 1,541,545; June 9.
Alkaline accumulator. F. A. Freeth and L. A. Munro. 1,541,699; June 9.
Alkaline-earth carbonates, Grading of. W. W. Plowman. 1,541,182; June 9.
Alloy, Acid-resisting. A. W. Clement. 1,540,928; June 9.
Aluminum chloride, Manufacture of. H. L. Pelzer and E. C. Herthel. 1,541,068; June 9.
Amplifier. G. Engler. 1,541,604; June 9.
Amplifier for subscribers' stations. S. Strauss. 1,541,668; June 9.
Animal trap. W. S. Gregory. 1,541,639; June 9.
Animal trap. W. H. Ve Relle. 1,541,298; June 9.
Anticreeping device. A. F. Ruggiero. 1,540,987; June 9.
Antiskid lug, Disappearing. R. N. Koenigsberger. 1,540,888; June 9.
Antislip material. O. Hutchins. 1,541,220; June 9.
Apple and other fruit picker. H. L. Taylor. 1,540,818; June 9.
Arch-support-securing means. C. H. Friesehmann. 1,540,965; June 9.
Armatures, Winding. R. H. Sullivan. 1,541,442; June 9.
Asbestos-slate material and manufacturing it. F. Bröseler. 1,541,106; June 9.
Assembling device. O. C. Cardin. 1,540,760; June 9.
Assembly fixture. C. L. Lee. 1,541,058; June 9.
Atmospheric electric energy, Conversion of. H. Plauson. 1,540,906; June 9.
Attachment plug. E. B. Benjamin. 1,541,024; June 9.
Automatic brake. C. P. Lancaster. 1,541,228; June 9.
Automobile bumper. W. Miller. 1,540,945; June 9.
Automobile bumper. F. De Santis. 1,541,831; June 9.
Automobile bumper plate. W. F. Martin. Des. 67,533–4; June 9.
Automobile jack. E. A. Young. 1,541,306; June 9.
Automobile signal. G. J. Evans. 1,541,035; June 9.
Automobiles against theft, Locking. F. W. Stewart. 1,541,773; June 9.
Automobiles and other vehicles, Demountable rim and wheel for. C. S. Watkins. 1,541,458; June 9.
Automobiles, Apparatus for washing. L. J. Badaracco. 1,540,744; June 9.
Automobiles, Bumper bar for. E. Irving. 1,541,572; June 9.
Automobiles, Cleaning. L. J. Badaracco. 1,540,743; June 9.
Automobiles, Clutch-pedal-control attachment for. R. D. Saylor. 1,541,529; June 9.
Automobiles, Combination attachment for. H. E. Kruger. 1,540,846; June 9.
Automobiles, etc., Spring-grip latch for. F. L. Richardson. 1,541,185; June 9.
Automobiles, Tire carrier for. J. G. Balcerwicz. 1,541,313; June 9.
Backsaw. J. P. Arnold. 1,541,611; June 9.
Badge fastener. M. Folkman. 1,541,840; June 9.
Balance, Automatical. P. A. Nordling. 1,540,997; June 9.
Baler. G. W. Langford. 1,540,784; June 9.
Ball or pebble mill. C. L. Carman. 1,541,114; June 9.
Bank, Savings. L. V. Aronson. 1,540,918; June 9.
Bank, Savings. B. F. Greer. 1,541,564; June 9.
Barrels, Making. J. M. Hommel. 1,541,749; June 9.
Bar: *See*—
Grate bar.
Battery: *See*—
Storage battery.
Battery container, Storage. C. J. Dunzweiler. Des. 67,508; June 9.
Battery cup and making same. G. W. Schauerte and J. M. Olin. 1,541,487; June 9.
Battery posts and terminals connected thereto, Preventing corrosion of. W. T. Hasting. 1,541,495; June 9.
Battery-separator-plate machine. W. M. Humbert. 1,541,714; June 9.
Bead-buffing machine. H. A. Denmire. 1,541,762; June 9.
Bearing, Rudder-shaft. V. Jarvinen. 1,541,574; June 9.
Bearings, Scraping blade for. R. W. Gordon. 1,540,938; June 9.
Bearings, Stuffing box for. O. W. Dunham. 1,541,124; June 9.
Beater. A. F. Moeller. 1,540,946; June 9.
Bed. R. S. Mattingley. 1,541,482; June 9.
Bedspring. B. F. Lindsley. 1,541,425; June 9.
Bedsteads, Corner fastening for. D. Wasserman. 1,540,971; June 9.
Beet topper. J. W. Little. 1,541,158; June 9.
Belt guide. E. A. Kilmer. 1,541,718; June 9.
Bending machine. C. S. Crane. 1,541,327; June 9.
Beverage container. J. M. Travis. Des. 67,557; June 9.
Bessel. F. C. Herbermann. 1,541,217; June 9.
Bicycle and scooter, Combined. R. G. Ledig. 1,541,423; June 9.
Binders, Grain and flax attachment for. W. J. Kennedy. 1,541,509; June 9.
Bird cage and support, Combination. C. E. Schuetze. Des. 67,555; June 9.
Bit: *See*—
Shot bit.
Bituminous shale, Apparatus for treating. J. H. Ginet. 1,541,135; June 9.
Blackboard. E. H. Ketchum. 1,541,717; June 9.
Blackboard eraser, Cleaner for. G. A. Marshall. 1,540,996; June 9.
Block: *See*—
Form block. Hoisting block.
Golf-tee block. Toy building block.
Blowers, Temperature regulator for. I. H. Spencer. 1,540,912; June 9.
Board: *See*—
Game board. Wall board.
Boiler. F. B. Howell. 1,541,355; June 9.
Boilers, Baffle wall for. E. A. Winholt. 1,541,304; June 9.
Bookbinder. F. L. Fisher. 1,541,626; June 9.
Bookmark. I. Hellerman. 1,540,777; June 9.
Boot or shoe. J. P. Stevens. 1,540,961; June 9.
Bottle for supplying liquids in drops. J. Kraentzel. 1,541,645; June 9.
Bottle holder. H. Culp. 1,541,250; June 9.
Bottle, Nursing. W. M. Decker. 1,541,330; June 9.
Bottles, Capping. J. Wysocki. 1,541,550; June 9.
Box: *See*—
Hosiery box. Shoe-polish box.
Outlet box. Switch box.
Box-covering machine. T. A. Federwitz and W. T. Bailey. 1,541,086; June 9.
Box-covering machine. T. A. Federwitz and W. T. Bailey. 1,541,255; June 9.
Box-covering machine. C. H. Nitsch and T. A. Federwitz. 1,540,900; June 9.
Box or similar article. C. A. Crane. Des. 67,497; June 9.
Brace: *See*—
Stepladder brace.
Brace and similar tool, Hand. B. J. Bengtsson. 1,541,467; June 9.
Bracelet, Wrist-watch. G. D. Harrison. 1,541,764; June 9.
Braid, Dress-trimming. G. Oberstebring. Des. 67,539; June 9.

Braid-winding-card label. C. J. R. Ahrnke. 1,541,459; June 9.
Brake: *See*—
Automatic brake. Vacuum-operated brake.
Fluid brake.
Brake mechanism. A. E. Norris. 1,541,063; June 9.
Brake mechanism. J. E. Shaffer. 1,540,869; June 9.
Bread pan. E. B. Fletcher. 1,541,634; June 9.
Bricklayer's gauge. B. C. Boggs. 1,541,616; June 9.
Brickmaking machine. K. G. McMillan. 1,541,420; June 9.
Broiler. H. Vallos. 1,541,011; June 9.
Broom holder. L. J. Powers. 1,540,803; June 9.
Brush. J. L. Pitcher. 1,540,858; June 9.
Brush casing, Hand-. I. A. Burnett. Des. 67,493; June 9.
Brush, Combination. G. W. Stein. 1,541,197; June 9.
Brush, Dusting. J. R. Hensley. 1,540,838; June 9.
Brush handle. M. W. Hill. 1,541,710; June 9.
Brush, Sink. W. A. Whitenack. 1,541,088; June 9.
Buckle. H. Gordon. Des. 67,517; June 9.
Buckle. E. N. Humphrey. 1,541,503; June 9.
Buckle, Underswung cam. W. Wallenthin. 1,541,452; June 9.
Building material and manufacturing same. S. Minache. 1,541,165; June 9.
Bumper. C. Girl. 1,541,039–40; June 9.
Bumper. H. S. Jandus. 1,541,063; June 9.
Bumper. W. P. Martin. 1,541,726; June 9.
Burner: *See*—
Gas burner. Oil burner.
Burner. R. Styles. Re16,095; June 9.
Burr, Grinding. B. M. Ely. 1,541,488; June 9.
Butter, Improving the quality of. R. Kaiser. 1,541,150; June 9.
Button, Separable. P. J. Bellavance. 1,541,317; June 9.
Cabinet, Household. O. R. Platter. Des. 67,544; June 9.
Cabinet with secret compartment. O. R. Platter. 1,541,769; June 9.
Calculator. H. S. Moir. 1,540,895; June 9.
Calendar. H. S. Bowman. 1,541,102; June 9.
Calendar, Perpetual. Abd-El-Rahman Amer Khalifah. 1,541,151; June 9.
Calendering. C. A. Rossbach. 1,541,396; June 9.
Can: *See*—
Powder can. Syrup can.
Can washers, Conveying mechanism for. T. L. Valerius and O. Larsen. 1,540,820; June 9.
Canopy, Bed. M. J. Hastings. 1,541,215; June 9.
Car and track construction, Railway. G. Ajello. 1,540,916; June 9.
Car construction. W. E. Morey. 1,540,706; June 9.
Car door, Hopper. C. M. Luth. 1,540,796; June 9.
Car floors and the like, Machine for surfacing. W. N. Oehm and G. Powell. 1,541,522; June 9.
Car loading and haulage means, Mine-. W. G. Knowles. 1,541,361; June 9.
Car, Pedal. H. J. Ferris. 1,541,480; June 9.
Car retarder. G. B. Southward and C. O. Gallaher. 1,541,667; June 9.
Cars, Automatic gas and electric coupling for railway. T. P. Garankin. 1,540,986. June 9.
Cars, Running-board saddle for box. M. Elonen. 1,541,254; June 9.
Cars, Window arrangement for railway. P. Parke. 1,541,523; June 9.
Carburetor heater. C. C. Mers. 1,541,583; June 9.
Carrier. R. E. Pfennig and E. D. Wright. 1,541,282; June 9.
Carrier. F. Tulay. 1,541,672; June 9.
Carton or container. R. Holle. 1,541,143; June 9.
Cartridge shell. H. D. Hodge. 1,541,765; June 9.
Case: *See*—
Vanity case.
Casing clamp. T. E. Robinson. 1,541,662; June 9.
Casing spider. R. B. Summers. 1,541,669; June 9.
Cast iron, Welding. J. Jeffery. 1,541,507; June 9.
Caster, Spring attachment. D. B. Replogle. 1,541,280; June 9.
Celery buncher. B. H. Vetter. 1,541,013; June 9.
Cement brick and block machine. J. Pospeshil. 1,540,861; June 9.
Centering machine. J. J. Thacher. 1,540,819; June 9.
Centrifugal drier. T. O. Westhafer and F. M. Miller. 1,541,163; June 9.
Chandelier. H. Bohl. Des. 67,486; June 9.
Chandelier or article of similar nature. L. Rosenblatt. Des. 67,551; June 9.
Christmas-tree holder. D. Munro. 1,540,856; June 9.
Chuck jaw. P. Förster. 1,540,832; June 9.
Churn. O. I. Chormann. 1,540,761; June 9.
Churn and freezer, Combination. W. S. Gauntt. 1,541,636; June 9.
Cigarette receptacle. H. W. Johnson. 1,540,841; June 9.
Cinematographic apparatus. K. Higginson. 1,541,218; June 9.
Cinder precipitator. E. Feix. 1,541,337; June 9.
Circuit classifier, Closed-. R. S. Trott. 1,541,237; June 9.
Circulating and radiating heater. A. Johnson. 1,541,576; June 9.
Clamp: *See*—
Casing clamp. Transmission-band clamp.
Cleaner: *See*—
Road cleaner. Vacuum cleaner.
Suction cleaner. Yarn cleaner.
Clock case. W. H. Magee. Des. 67,532; June 9.
Clock, Electric. A. B. Hirjs. 1,541,138; June 9.
Clock mounting. F. C. Herbermann. 1,541,644; June 9.
Clocks, Device for driving the hands of monumental. A. Mayer. 1,540,855; June 9.
Closed switch, Normally. J. Eaton. 1,541,632; June 9.
Clothes-boiler attachment. G. W. Blake. 1,541,552; June 9.
Clutch. L. O. Davis. 1,541,411; June 9.
Clutch. L. O. Davis. 1,541,748; June 9.
Clutch, Motor-vehicle. S. C. Lambert. 1,541,057; June 9.
Coating composition and varnish reviver. C. Ellis. 1,541,693; June 9.
Cocoa and similar foodstuffs, Treatment of. R. Head and W. E. Prescott. 1,541,262; June 9.
Coffin. G. Cartasso. 1,541,823; June 9.
Coke quenching and loading apparatus. A. Koppers. 1,541,153; June 9.
Coke quenching and loading device. H. Koppers. 1,541,154; June 9.
Cold-molded products and making same. C. Ellis. 1,541,336; June 9.
Collar. W. E. Pearl. 1,541,379; June 9.
Collar. S. Stomi. 1,541,289; June 9.
Colors, Measurement of. E. Ebie. 1,540,768; June 9.
Combination lock. L. V. Aronson. 1,541,612; June 9.
Compressor unit. W. D. Mercer. 1,541,776; June 9.
Concrete, Apparatus for laying reenforced. J. F. Robb. 1,540,901; June 9.
Concrete blocks, Composition of matter for facing. C. S. Wert. 1,541,606; June 9.
Concrete-construction form. W. W. Benson. 1,541,244; June 9.
Concrete leveling devices, Chair for. W. E. White. 1,541,302; June 9.
Condenser for ignition circuits, Electrical. W. Bubilier. 1,541,630; June 9.
Conduits, Closure for. O. H. Williams. 1,541,756; June 9.
Confection apparatus. J. Parcell. 1,541,378; June 9.
Container closure. O. Gottschalk. 1,540,833; June 9.
Container, force-discharge, dispensing apparatus, Double-. G. B. Nicholson. 1,541,170; June 9.
Container, Novelty. J. Nutry. 1,540,800; June 9.
Conveyer. J. T. Cowley. 1,541,410; June 9.
Conveyer. A. J. Rebstock. 1,541,393; June 9.
Conveyer, Pneumatic. G. and J. Bernert. 1,541,469; June 9.
Cooking appliance. W. F. Born. 1,541,472; June 9.
Cooler: *See*—
Milk cooler.
Cords, Hitch for electric. W. C. O'Brian. 1,541,654; June 9.
Cot and pack bag, Convertible. S. D. Martin. 1,541,060; June 9.
Cotton press. F. A. Smith. 1,541,288; June 9.
Coupling: *See*—
Lubricating coupling. Pump coupling.
Coupling. E. W. Davis. 1,541,329; June 9.
Coupling. J. B. Hayden, J. Morris, and H. C. George. 1,541,139; June 9.
Coupling member. D. F. Fesler. 1,541,338; June 9.
Couplings and similar objects, Making. T. E. Murray. 1,541,061; June 9.
Crab wrapper and wrapping method. B. T. M. Hunley. 1,540,887; June 9.
Crane, Traveling. G. E. Luce. 1,541,766; June 9.
Crank-case arm. T. F. Wilson. Des. Re16,093; June 9.
Crank-shaft and connecting rod mechanism. W. E. Baker. 1,541,758; June 9.
Croquet, Wicket and stake for indoor. E. S. Foster. 1,540,771; June 9.
Crossing protector. J. B. Horner and G. B. Wolf. 1,541,713; June 9.
Crosstie. M. L. Weaks and J. W. Cary. 1,541,605; June 9.
Cue-tip holder. J. H. Buscher. 1,541,110; June 9.
Cuff link. J. F. Connor. 1,541,113; June 9.
Cultivator, Hand. A. C. Byrum. 1,541,113; June 9.
Cultivator sweep. S. T. Vacek. 1,541,010; June 9.
Cup: *See*—
Grease cup.
Curling-iron holder. L. J. Schumacker. 1,540,959; June 9.
Curtain and shade support, Combined. S. J. Kusiel. 1,541,774; June 9.
Curtain stretcher. A. J. Brosey. 1,540,874; June 9.
Cushion: *See*—
Seat cushion.
Cushion and seat, Cool. E. P. Harlev. 1,541,212; June 9.
Cushion wheel, Pneumatic. J. Bogdan and J. A. Anglada. 1,540,924; June 9.
Cutter: *See*—
Rotary cutter. Thread cutter.
Cutting grass, Implement for. M. Bouso. 1,540,925; June 9.
Cylinder-lapping machine. C. W., C. W., and L. V. Winther. 1,540,975; June 9.
Dams, Construction of. C. Brynoldt. 1,541,475; June 9.
Dealcoholising process. W. B. Uihlein. 1,541,296; June 9.

Dental casting machine. J. R. Partisen. 1,541,180; June 9.
Die press, Automatic. W. Cameron. 1,541,760; June 9.
Dish, Ice-cream. A. F. Saunders. Des. 67,552; June 9.
Disks, Machine for weaving friction material on clutch. W. L. O Brien. 1,541,434; June 9.
Dispensing and display containers. S. J. Ramsay. 1,541,559; June 9.
Dispensing device. W. McLaren and U. A. Kreidler. 1,540,792; June 9.
Display box and sign holder. H. Harrison. 1,541,354; June 9.
Display counter, Butcher's freezer. R. Friedrich. Des. 67,510; June 9.
Display cover for relatively long boxes. J. I. Russakov. 1,540,807; June 9.
Display device. F. X. List. 1,541,517; June 9.
Distillation. H. F. Perkins. 1,541,274; June 9.
Distillation apparatus. R. M. Kelly. 1,541,227; June 9.
Distillation apparatus. P. M. and E. M. Salerni. 1,541,071; June 9.
Doll or similar article. C. D. Munson. Des. 67,536–8; June 9.
Door, Grain. J. L. Neilson. 1,541,272; June 9.
Door hinge and brace, Combined. A. Rubin. 1,541,397; June 9.
Door lock. T. P. Archer and E. E. Heintz. 1,541,812; June 9.
Door lock. W. H. D'Ardenne. 1,541,483; June 9.
Draft equalizer. L. W. Grohs. 1,541,640; June 9.
Drawing press. O. S. Beyer. 1,541,025; June 9.
Dressing for wounds. A. L. Walters. 1,541,290; June 9.
Drier: *See*—
Centrifugal drier.
Drier. C. O. Ericson. 1,540,769; June 9.
Drill: *See*—
Rock drill.
Drill-milling machine, Automatic. C. P. Wineman and W. G. Calkins. 1,541,540; June 9.
Drilling or boring polygonal-shaped openings, Device for. H. J. Watts. 1,540,826; June 9.
Drum-forming machine. F. F. Backstrom. 1,541,551; June 9.
Dyestuff and making the same, Blue indanthrene. G. Krünslein, P. Nawiasky, M. Corell, M. A. Kunz, and F. Schutz. 1,541,156; June 9.
Dynamometer. C. L. Walker. 1,541,083; June 9.
Egg crate. J. L. Lynch. 1,540,892; June 9.
Electric-current system, Protective arrangement for alternating-. B. H. Leeson and R. W. Bliss. 1,541,720; June 9.
Electric cut-out. R. Dederer. 1,541,252; June 9.
Electric heater. C. P. Randolph. 1,541,660; June 9.
Electric immersion heater. J. N. Trahan. 1,540,964; June 9.
Electric machine, Dynamo-. C. A. Parsons and J. Rosen. 1,541,656; June 9.
Electric motors and generators, Contact brush for. C. W. Adams. 1,541,609; June 9.
Electric switch. A. R. Locke. 1,541,862; June 9.
Electric switch. W. W. Weeks. 1,541,015; June 9.
Electrical circuits, System for measuring the capacity of. D. Nunn. 1,540,790; June 9.
Electrical fixture. A. R. Locke. 1,541,862; June 9.
Electrical precipitation of suspended particles from gases, Apparatus for. E. Anderson. 1,541,677; June 9.
Electrical switching apparatus. P. C. Smith. 1,541,193–4; June 9.
Electrical switching device. G. A. Betulander. 1,541,470; June 9.
Electrode for electrical gas-cleaning apparatus, Collecting. W. J. L. Bauer. 1,541,678; June 9.
Electrode for electrical precipitation, Semiconducting collecting. J. Gies. 1,541,704; June 9.
Electromagnetic device. W. O. Beck. 1,540,750; June 9.
Electron tube, High-voltage. W. Daumann. 1,541,484; June 9.
Electroplating machine. W. W. Wells. 1,541,454; June 9.
Elevator-door closure and switch, Combined. W. W. Weeks. 1,540,972; June 9.
Engine: *See*—
Internal-combustion engine.
Engine combined with a scavenging pump, Gas. E. Arendt. 1,541,460; June 9.
Engine control. J. H. Hunt. 1,541,062; June 9.
Engine cylinder and making same. T. P. Greenhow. 1,541,415; June 9.
Engine manifold. A. C. Mason. 1,541,431; June 9.
Engines, Dust excluder for internal-combustion. W. H. Brown. 1,541,107; June 9.
Engines, Rotary valve for gas. A. J. Krause. 1,540,941; June 9.
Engines, Starter for gas. H. W. Gauld. 1,541,559; June 9.
Envelope opener. F. N. Kroeger. 1,541,155; June 9.
Ester bodies, Purifying. M. D. Mann, jr. 1,541,430; June 9.
Ethylene-dihalides, Manufacturing. W. Bauer. 1,540,748; June 9.
Excavator, Drag-line. H. O. Bedgood. 1,541,464; June 9.
Extracting material. F. J. E. Caina. 1,541,115; June 9.
Extruding machine. O. D. Hellenbeck. 1,540,779; June 9.
Eyeglass frames, Heater for shaping. H. Neuwirth and J. Bernstein. 1,541,375; June 9.
Fabrics, Apparatus for producing imitation basket. F. B. Riley. 1,540,999; June 9.
Fabrics, Transfer of knitted. L. N. D. Williams. 1,541,547; June 9.
Fan, Weather. I. L. Fuller. 1,541,557; June 9.
Fans and the like, Protector for. B. Schmelzer. 1,541,236; June 9.
Fastener-attaching mechanism. L. G. Sabbag. 1,540,964; June 9.
Faucet. G. A. Harper. Des. 67,520; June 9.
Faucet. A. A. Kramer. 1,540,782; June 9.
Faucet and similar device. A. De Bernard. 1,541,251; June 9.
Faucet and similar device. R. Heydrich y Martinez. 1,540,839; June 9.
Feed-water heater. N. T. McKee. 1,541,519; June 9.
Feeding device, Automatic. E. M. Fisher. 1,541,182; June 9.
Feeding table. C. M. Angell. 1,540,742; June 9.
Fence, Snow. H. M. Baxter. 1,541,241; June 9.
Fencepost. R. B. Beverley. 1,541,747; June 9.
Fencepost. G. H. Brady. 1,540,755; June 9.
Fencing, Machine for the manufacture of. H. C. Hansen. 1,540,939; June 9.
Fender guard. C. Girl. 1,541,041; June 9.
Fibers and the manufacture of cellulose by the chlorination process, Treatment of vegetable. P. Waentig and R. Ziegenbalg. 1,540,968; June 9.
Filar control. M. B. Field. 1,540,770; June 9.
Filing cabinets, Follow block for. J. B. Ormond. 1,541,173; June 9.
Films, Making laminated. H. E. Van Derhoef. 1,540,822; June 9.
Filter, Smoke. J. Cochran. 1,541,117; June 9.
Fire escape. C. F. Ryba. 1,541,590; June 9.
Fire extinguishers, Spring-clip bracket for Burke hand. G. W. Burke, jr. 1,540,758; June 9.
Fire-extinguishing apparatus. O. R. Erwin. Re16,094; June 9.
Fish bait or lure. E. J. Dumouchel. 1,541,032; June 9.
Fishing float. R. C. McElree. 1,541,724; June 9.
Fishing reel and mount. L. J. Hedderich. 1,540,837; June 9.
Fishing tool. G. W. Keller. 1,541,417; June 9.
Flexible joint. H. P. Macdonald. 1,541,520; June 9.
Floor plate, Metallic. E. H. Irons. Des. 67,523; June 9.
Floor-treating apparatus. T. H. Clarkson-Jones. 1,541,225; June 9.
Fluid brake. H. C. Nugent. 1,541,273; June 9.
Flush tank. S. C. Lawson. 1,540,890; June 9.
Flying machine. C. C. Blackmore. 1,540,754; June 9.
Flying machine, Helicopter. E. W. Smith. 1,541,195; June 9.
Foldable form. L. J. Shramek. 1,541,003; June 9.
Folding machine. A. W. Hall. 1,541,351; June 9.
Food product. C. Hoffman, H. D. Grigsby, and N. M. Cregor. 1,541,263; June 9.
Foot warmer. H. Fraternali. 1,540,984; June 9.
Foresight. J. W. Gibbs. 1,540,772; June 9.
Fork. J. Misener. 1,541,730; June 9.
Form block. L. R. Wetherill. 1,540,973; June 9.
Freezer case or refrigerator. L. B. Moore. 1,541,271; June 9.
Friction disks, washers, brake linings, and the like, Production of. A. M. Fenton and T. H. Crowther. 1,540,983; June 9.
Front spring. C. R. Short and R. N. Hart. 1,541,439; June 9.
Fruit and pad therefor, Packing fresh. D. J. Guenther; 1,541,492; June 9.
Fruit, Machine for applying a liquid coating or preservative to the skin of. R. D. McDill. 1,540,791; June 9.
Fuel economizer. F. W. Busch. 1,541,684; June 9.
Function-multiplying device for automatic mechanisms. C. S. Burton. 1,541,109; June 9.
Furnace: *See*—
Glass furnace.
Furnace. J. D. Martin. 1,541,648; June 9.
Furnace arch. G. A. Kohout. 1,540,889; June 9.
Furnace arch. F. C. Stimmel. 1,541,441; June 9.
Furnace arches, Support for. C. F. Wagner. 1,541,449; June 9.
Furnace door. F. B. Wertheim and A. U. Wetherbee. 1,541,016; June 9.
Furnace for heating hollow cylinders. A. M. Duckham. 1,541,691; June 9.
Furnace grate. A. A. Bruder. 1,541,106; June 9.
Furnace roof. B. Dobie. 1,541,486; June 9.
Furnaces, Automatic regulator for. C. Slusser. 1,540,811; June 9.
Furnaces, Combustion of fuel in. J. S. Atkinson. 1,541,613; June 9.
Furnaces, Draft threat for. F. A. Luks. 1,541,423; June 9.
Furnaces, Operating electric. C. Steenstrup. 1,541,600; June 9.
Furniture, Kitchen. R. B. Ellison. 1,541,692; June 9.
Furrowing device. H. R. Wilson. 1,541,456; June 9.

Fuse, Electrical. A. J. Matter. 1,541,652; June 9.
Fuse plug, Multiple-. G. T. Woodin. 1,541,805; June 9.
Fuses, Mechanism for firing percussion or time. L. R. Remondy. 1,541,279; June 9.
Fuses, Primer chamber for. C. H. Pearson. 1,541,880; June 9.
Game. H. V. Bergquist. 1,541,680; June 9.
Game. F. G. Hamback. 1,541,707; June 9.
Game. F. L. Ordway. 1,540,802; June 9.
Game. C. M. Winbigler. 1,541,202; June 9.
Game apparatus. O. F. Engel. 1,541,878; June 9.
Game board. C. W. Babcock. 1,541,096; June 9.
Garage light. A. T. Sampson. 1,541,752; June 9.
Garment. S. Spero. 1,541,440; June 9.
Garment, Adjustable waisted and abdomen supporting. F. W. Gerlach. 1,541,703; June 9.
Garment hanger. J. A. Shoemaker. 1,541,741. June 9.
Gas burner. E. J. Johnson. 1,541,716; June 9.
Gas from liquids, Separating. C. F. W. Tabler. 1,540,968; June 9.
Gas heater. A. A. Knisseley. 1,541,512; June 9.
Gas producers, Gas equalizer and soot collector for. J. H. Matheson. 1,541,650; June 9.
Gases, Vessel for conveying and storing liquefied. W. Rohn. 1,540,806; June 9.
Gasoline or other hydrocarbon liquids from natural gas, Process of and apparatus for recovering. W. G. Laird. 1,541,514; June 9.
Gate. M. H. Frank. 1,541,698; June 9.
Gauge: *See*—
Bricklayer's gauge. Tire gauge.
Gauge. F. A. Holmgren. 1,540,991; June 9.
Gear and ignition switch lock, Combination. A. Bachle. 1,541,021; June 9.
Gear, Belt transmission. H. Zoelly. 1,541,607; June 9.
Gear unit, Reduction-. F. Hinnekens. 1,541,499; June 9.
Gingham textile fabric. J. W. Winterbottom. Des. 67,561; June 9.
Glass apparatus. R. W. Hilton and J. L. Graham. 1,541,142; June 9.
Glass, Apparatus for making corrugated wire. J. H. Fox. 1,541,635; June 9.
Glass furnace. J. J. Quertinmont. 1,541,772; June 9.
Glass, Method and apparatus for making wire. F. Gelsthorp. 1,541,637-8; June 9.
Glove. F. Mahn. 1,540,995; June 9.
Gloves and the like, Case for. C. Graham. 1,541,563; June 9.
Golf club. W. Dunn. 1,541,126; June 9.
Golf players, Land-smoothing device for. H. V. Hendricks. 1,541,643; June 9.
Golf-practice apparatus. G. H. Lambert. 1,541,420; June 9.
Golf stick. O. C. Wever. 1,541,674; June 9.
Golf-tee block, Combination. A. P. Avery. 1,541,462; June 9.
Grab. A. E. Norris. 1,541,064; June 9.
Grain door. J. S. Cameron. 1,541,620; June 9.
Grain door. L. F. Jackson. 1,541,573; June 9.
Grass plots, Edge spacer for cultivated. B. MacDonald. 1,541,160; June 9.
Grate. C. P. Caldwell. 1,541,619; June 9.
Grate bar, Hollow-blast. P. J. A. van Deinse. 1,541,012; June 9.
Grate, Furnace. J. D. Martin. 1,541,649; June 9.
Grave-decorating structure. C. G. Gopiln. 1,541,414; June 9.
Grease cup. O. E. Barthel. 1,540,978; June 9.
Grinder and beater. H. J. Shelton. 1,540,908; June 9.
Grinding machine. R. C. Mitchell. 1,540,794; June 9.
Guide and thread cleaner, Traverse. D. Lewis. 1,541,721; June 9.
Guns, Feed box for cartridge belts of machine. H. O. Russell and C. L. Paplus. 1,541,282; June 9.
Gutter hanger. M. Rachlin. 1,541,890; June 9.
Hair-cleaning device. J. T. Higgins. 1,540,989; June 9.
Hair clipper, Electric. A. J. Dremel. 1,541,334; June 9.
Ham-boiling form. J. Easker. 1,541,033; June 9.
Handle: *See*—
Brush handle.
Hanger: *See*—
Garment hanger. Pipe hanger.
Gutter hanger. Wire hanger.
Lamp hanger.
Harness attachment, Neck-weight-relieving. H. T. Jones. 1,541,578; June 9.
Harness bame hook. C. W. Finch. 1,541,339; June 9.
Harness trace. E. F. Heiser. 1,541,049; June 9.
Harvesters and the like, Stripper for cane. G. D. Luce. 1,541,231; June 9.
Hat-holding device. A. Forti. 1,541,133; June 9.
Hat-steaming machine. W. Wilson. 1,540,974; June 9.
Hats, Manufacture of. J. A. Alea. 1,541,300; June 9.
Hay presses, Feeding attachment for. E. Thomson. 1,541,199; June 9.
Haying table. O. Berger. 1,541,319; June 9.
Headlight lens. E. G. Hamburg. 1,541,706; June 9.
Headlight mounting. J. S. Adams. 1,540,871; June 9.
Headlight, Vehicle. J. A. Murphey. 1,541,580; June 9.
Heater: *See*—
Carburetor heater. Gas heater.
Electric heater. Lamp heater.
Electric immersion heater. Water heater
Feed-water heater.
Heater. G. Hafner. 1,540,776; June 9.
Heater. G. L. Menk. 1,541,653; June 9.
Heating cabinet. J. A. Valenta and J. Kovar. 1,541,678; June 9.
Helicoidal surfaces, Forming. E. Buckingham. 1,540,757; June 9.
Helicopter, Safety-control. F. P. Souder. 1,541,534; June 9.
Hinge. T. L. Lilly. 1,541,723; June 9.
Hinge, Vehicle. R. W. Hubbard. 1,540,840; June 9.
Hoist, Motor. F. H. Linley. 1,541,157; June 9.
Hoisting and transferring mechanism. G. Powell. 1,541,527; June 9.
Hoisting apparatus. F. R. Benson. 1,540,751; June 9.
Hoisting block. J. W. Kittredge. 1,541,267; June 9.
Holder and ash tray, Combined. J. Nagy. 1,541,732; June 9.
Hook: *See*—
Harness hame hook.
Hose couplings, Tool for applying wire clamps to. F. W. Gunn. 1,541,136; June 9.
Hosiery. L. Tlucka. 1,541,008; June 9.
Hosiery box. G. R. Holland. 1,541,264; June 9.
Hydrocarbon motor. H. P. Doolittle. 1,540,981; June 9.
Hydrocarbon motor. J. G. Vincent. 1,540,966-7; June 9.
Hydrocarbon treatment. G. F. Forwood and J. G. Taplay. 1,541,697; June 9.
Ice-cream-brick-mold release. T. L. Valerius and O. Larsen. 1,540,821; June 9.
Ice-cubing machine. F. Turner. 1,541,603; June 9.
Identification papers, Case for. W. H. Laraway. 1,541,515; June 9.
Ignition-circuit breaker for motor vehicles. V. A. Samuelson, Y. Young, and C. Lightheart. 1,540,866; June 9.
Illuminating device. C. C. Cory. 1,541,687; June 9.
Index, Telephone. G. L. Hinman. Des. 67,522; June 9.
Indicator. A. L. Sohm. 1,541,073-4; June 9.
Inductance device, Variable-. F. H. Guber. 1,540,880; June 9.
Insecticide and a fungicide, Making an. G. E. Sanders. 1,541,753; June 9.
Insulating medium for transmission of intelligible sounds. F. C. Doble. 1,541,121; June 9.
Internal-combustion engine. J. A. H. Barkelj. 1,541,288-9; June 9.
Internal-combustion engine. R. R. Burtnett. 1,541,207-8; June 9.
Internal-combustion engine. W. E. Jennings. 1,541,675; June 9.
Internal-combustion engine. C. B. Meredith. 1,541,270; June 9.
Internal-combustion engine, Four-cycle. G. H. Peters. 1,541,069; June 9.
Internal-combustion engine, Sleeve type of. R. L. Skinner. 1,541,072; June 9.
Iron: *See*—
Cast iron. Soldering iron.
Ironing board and serving table, Combination. A. I. Friel. 1,541,343; June 9.
Irons, Combined support and control device for electric. J. F. Johnson. 1,541,221; June 9.
Jack: *See*—
Automobile jack. Screw jack.
Jack. L. T. Bergh. 1,540,873; June 9.
Jars, Air drier for candy. O. B. Elmer. 1,541,127; June 9.
Jars, Machine for capping. A. Potdevin. 1,541,380; June 9.
Jelly strength of glues, gelatins, and the like, Machine for testing. O. T. Bloom. 1,540,979; June 9.
Joint: *See*—
Flexible joint. Pipe joint.
Kiln, Continuous. S. B. Newberry. 1,541,169; June 9.
Kiln, Dry. F. M. Creighton. 1,541,629; June 9.
Kiln, Reversible circulation internal fan. R. Thelen. 1,541,284; June 9.
Kiln, Reversible circulation internal fan. R. Thelen. 1,541,443-4; June 9.
Knife construction. H. J. Zinn. 1,541,307; June 9.
Knitting machine. C. C. Krieble. 1,540,845; June 9.
Knitting machine. V. Lombardi. 1,541,230; June 9.
Knitting machines, Gap-closure attachment for. E. Jackson. 1,540,780; June 9.
Lace-transferring device. J. L. Reid. 1,540,952; June 9.
Laces of boots and shoes, Device for use with. W. Simon. 1,540,810; June 9.
Lactobacilli and the product, Growing. J. Reichel and C. Ross. 1,540,951; June 9.
Ladder. A. N. Clough. 1,541,326; June 9.
Ladder. E. F. Givens and L. Lindsay. 1,540,987; June 9.
Ladders, Safety device for. F. A. Seaman. 1,541,402; June 9.
Laminated material from spinnable textile woven fabrics and an adhesive binder, Manufacture of. E. J. Guay. 1,541,641; June 9.
Lampblack for use in compounding rubber, Preparation of. W. W. McMahan. 1,541,283; June 9.
Lamp, Hand electric. E. Wagner. 1,541,014; June 9.
Lamp hanger. C. L. Ennis. 1,541,128; June 9.
Lamp heater. J. M. Sargeant. 1,541,283; June 9.

Lamp or similar article, Signal. L. Lapidus. Des. 67,531; June 9.
Lamp racks, Safety device for. R. Aldrich. 1,541,091; June 9.
Lamp shade. F. Roettges. Des. 67,547; June 9.
Lamp, Stand. J. Goldman. 1,540,778; June 9.
Lamp standard, Portable. F. Roettges. Des. 67,548; June 9.
Lamp suitable for use on vehicles. C. E. Goodyear. 1,541,705; June 9.
Lamps or other vacuum apparatus, Filament for incandescent. F. Skaupy and F. Keref. 1,541,506; June 9.
Lantern, Electric. W. H. Tiffany. Des. 67,556; June 9.
Lapping machine. R. R. Searles. 1,541,001; June 9.
Lapping machine. J. W. Smith, 1,541,005; June 9.
Last. G. Clausing. 1,541,028; June 9.
Lath. F. M. Speyd. 1,541,075; June 9.
Lathes, Loading and unloading means for axle. L. C. Cole 1,541,118; June 9.
Lawn sprinkler. G. Geisendorfer. 1,541,702; June 9.
Lawn sprinkler. E. Hanelsen. 1,541,045; June 9.
Leggings, Fastening device for. P. Bidal. 1,540,921; June 9.
Lens, Eyeglass. W. B. Georgia. Des. 67,511; June 9.
Lens holder. J. A. Amos. 1,541,094; June 9.
Lens system, Objective. W. F. Bielicke. 1,540,752; June 9.
Lenses, Mount for condenser. C. W. Keuffel. 1,540,781; June 9.
Lifter: *See*—
Vehicle lifter.
Lifter. W. W. Peyton. 1,541,738; June 9.
Light: *See*—
Garage light. Visor light.
Lighting fixture. S. Czapek. Des. 67,505; June 9.
Lighting fixture. E. F. Guth. 1,541,259; June 9.
Lighting fixture. M. Klein. Des. 67,525-7; June 9.
Lighting fixture. E. A. Walker. Des. 67,558-9; June 9.
Lighting-fixture body. H. Bohl. Des. 67,487; June 9.
Lighting-fixture brace. F. S. Crowell. Des. 67,504; June 9.
Lighting-fixture bracket back. H. Bohl. Des. 67,488; June 9.
Lighting-fixture bracket back. D. Dobrin. Des. 67,507; June 9.
Lighting-fixture canopy. F. S. Crowell. Des. 67,498; June 9.
Lighting-fixture loop. F. S. Crowell. Des. 67,499; June 9.
Lighting-fixture loop. F. S. Crowell. Des. 67,508; June 9.
Lighting-fixture part. W. Pena. Des. 67,542; June 9.
Lighting-fixture plate. F. S. Crowell. Des. 67,500; June 9.
Lighting-fixture plate. F. S. Crowell. Des. 67,502; June 9.
Lighting-fixture plate. R. L. Gerth. Des. 67,512-14; June 9.
Lighting-fixture scroll arm. E. A. Walker. Des. 67,560; June 9.
Lighting-fixture spider. F. S. Crowell. Des. 67,501; June 9.
Lighting-fixture spindle. M. Klein. Des. 67,528-9; June 9.
Lighting-fixture support. E. F. Guth. 1,541,260; June 9.
Line marker, Ground-. A. J. Dalby. 1,541,328; June 9.
Lines, Life, heaving, and other types of. P. H. Buehler. 1,541,683; June 9.
Link. J. M. Blair. 1,540,923; June 9.
Liquids, Apparatus for distilling. C. P. Dubbs. 1,541,210; June 9.
Loader. M. B. Howard and T. E. Dewease. 1,540,940; June 9.
Lock: *See*—
Combination lock. Record-receiving lock.
Door lock. Table lock.
Lock. J. Amico. 1,541,093; June 9.
Lock. F. Goertz. Des. 67,516; June 9.
Lock. E. C. Kinnear. 1,541,511; June 9.
Locking device. J. E. Oberg. 1,541,735; June 9.
Locomotive construction. L. C. Tolliver. 1,541,090; June 9.
Locomotives, Power reverse mechanism for. H. K. Adams. 1,540,870; June 9.
Loom. E. S. Stimpson. 1,541,755; June 9.
Loom. W. W. Wheeler. 1,541,086; June 9.
Loom, Narrow-ware. E. R. Holmes. 1,541,265; June 9.
Looms, Let-back mechanism for. J. Wilkinson. 1,541,303; June 9.
Looms, Let-off mechanism for. J. W. Booth and T. C. Corlass. 1,540,828; June 9.
Looms, Picker connection for. E. A. Barton, 1,541,023; June 9.
Looms, Warp stop mechanism for. C. D. Brown. 1,541,789; June 9.
Looms, Warp stop mechanism for. H. A. Davis. 1,541,761; June 9.
Loud speaker. L. M. Dieterich. Des. 67,506; June 9.
Lubricating coupling. F. D. Winkley. 1,541,409; June 9.
Lubricating device. S. T. Lester. 1,540,948; June 9.
Lubricating system. C. A. Bowen. 1,541,682; June 9.
Lumber, Drying. O. P. M. Goss and R. H. Rawson. 1,541,349-50; June 9.
Lumber-handling roller. E. H. White and M. J. Thornton. 1,541,300; June 9.
Machine tool. J. W. Myers. 1,541,062; June 9.
Magnesia from dolomite, Manufacture of. C. Clere and A. Niboul. 1,541,116; June 9.
Magnesium, Treating molten. G. Schreiber and A. Beck 1,540,867; June 9.
Magneto. J. B. Stark. 1,541,535; June 9.
Magnetos, Impulse coupling for. G. S. Hanford. 1,541,137; June 9.
Mail bags, Fastener for. A. E. Low. 1,541,427; June 9.
Manicuring instrument. I. Boruchow. Des. 67,489; June 9.
Manifolding device. J. Q. Sherman. 1,541,287; June 9.
Manifolding machine. J. Q. Sherman. 1,541,286; June 9.
Manifolding machine. J. Q. Sherman and A. W. Metzner. 1,541,285; June 9.
Maritime and scientific instrument, Ball-controlled. B. E. Bibbins. 1,541,775; June 9.
Mathematical model. M. R. Brown. 1,541,247; June 9.
Measuring apparatus, Fluid. A. Stuber. 1,541,077; June 9.
Megaphone. C. H. Dodge and B. H. Schlecht. 1,541,122; June 9.
Mercurizing machine. D. M. McLintock. 1,541,365-6; June 9.
Message-register system. F. E. Irvine. 1,541,356; June 9.
Metal-cutting machine, Combined. F. Müller. 1,540,899; June 9.
Metal pieces, Straightening. I. D. Thomas and P. H. Douglass. 1,541,295; June 9.
Metal process. S. Daniels and A. C. Zimmerman. 1,540,766; June 9.
Metal-work panels, Border frame for open-. E. McClure. 1,540,788; June 9.
Meter: *See*—
Speed meter.
Meter and the like. T. A. Banning, jr. 1,540,747; June 9.
Milk cooler. F. Harness. 1,541,708; June 9.
Milling machines, Safety device for. W. T. Sears. 1,540,809; June 9.
Mine cage. W. G. Holmes. 1,541,144; June 9.
Mirror. P. Winterlich. Des. 67,562; June 9.
Miter boxes, Attachment for. F. Glipin. 1,541,134; June 9.
Mixing device. F. E. Aseltine. 1,541,461; June 9.
Mixing materials, Method of and apparatus for. E. P. Halliburton. 1,541,352; June 9.
Molding, Apparatus for. J. E. Johnson. 1,541,357-8; June 9.
Monorail system. J. Rossini. 1,541,589; June 9.
Mosaic surface and making it. J. S. Duffy. 1,541,631; June 9.
Motor: *See*—
Hydrocarbon motor.
Mower, Lawn. D. G. Gregorie. 1,540,834; June 9.
Mower, Lawn. O. G. Romig. 1,541,395; June 9.
Muffler. H. S. Powell. 1,541,275; June 9.
Musical instruments support. A. Mortensen. 1,541,767; June 9.
Necktie. I. D. Wolfson. 1,541,675; June 9.
Necktie-tying device. G. Pomarouse. 1,541,740; June 9.
Nozzle for air brushes. C. L. Reichenbach. 1,540,805; June 9.
Nuts, Machine for making. A. Wolfram. 1,541,018; June 9.
Nuts, Machine for removing husks from. M. Ross. 1,540,955; June 9.
Oil, Apparatus for cracking. G. Egloff and H. P. Benner. 1,540,924; June 9.
Oil, Apparatus for treating. G. Egloff and H. P. Benner. 1,541,553; June 9.
Oil burner. G. A. Diller and P. F. Peterson. 1,541,768; June 9.
Oil feed, Automatic. L. J. Hindle. 1,541,050; June 9.
Oil-filtering device. W. F. Trumbo and W. L. Kieffer. 1,541,602; June 9.
Oil material, Producing decomposed. H. Behm. 1,541,243; June 9.
Oil mixture for use in treating petroleum-oil material. H. Behm. 1,541,242; June 9.
Oil, Treating of hydrocarbon. S. P. Coblents and S. P. Coleman. 1,540,929; June 9.
Oils, Apparatus for treating petroleum. W. M. Cross. 1,540,764; June 9.
Oils, Process and apparatus for distilling. H. J. Halle. 1,540,986; June 9.
Oils, Process of and apparatus for distilling and cracking hydrocarbon. A. H. Heller. 1,541,140; June 9.
Optical element. K. Spangenberg. 1,541,407; June 9.
Ore concentrator. J. B. Arthur. 1,541,095; June 9.
Ore in blast furnaces, Treatment of. C. Muguet. 1,541,731; June 9.
Ores, Treating. J. T. Terry. 1,541,292-3; June 9.
Oscillations, System for producing. A. W. Hull. 1,541,566; June 9.
Outlet box. J. J. Merrill. 1,540,898; June 9.
Oven or kiln, Gas-fired. J. H. Marlow. 1,541,647; June 9.
Ovens, Spraying mechanism for coke. M. Curini. 1,541,621; June 9.
Package slitter. M. Cohen. 1,541,030; June 9.

Packets, Machine for making and filling. A. Day. 1,540,767; June 9.
Packing ring, Sectional. R. W. Mewes. 1,541,372; June 9.
Paint and stain and producing the same. G. W. Carver. 1,541,478; June 9.
Paintbrush, Pneumatic. J. H. Cahill and R. H. Kingdon. 1,540,759; June 9.
Pan: *See*—
Bread pan.
Paper, Apparatus for turning. R. K. Matlack. 1,541,651; June 9.
Paper container. E. R. Huntley. 1,541,146; June 9.
Paper dishes, Package and dispensing device for. C. R. Simmons. 1,541,582; June 9.
Paper fold. S. Nowak. 1,541,734; June 9.
Paper holder or clip. J. C. Patterson. 1,541,524; June 9.
Paper-making machine. R. H. Grant. 1,540,774; June 9.
Paper-roll-holder attachment. F. M. Hurley. 1,541,505; June 9.
Paper-strip-folding machine, Zigzag. E. G. Wennerblad, N. O. Nelson, and E. C. Johnson. 1,541,201; June 9.
Partition, Folding. J. T. Fairhurst. 1,540,933; June 9.
Patch, Repair. W. Drabold. 1,540,982; June 9.
Pen, Fountain. S. V. Corona. 1,540,763; June 9.
Pencil. C. E. Wehn. 1,541,085; June 9.
Pencil, Self-filling. H. Berryman. 1,540,920; June 9.
Percolator, Electrically-heated. J. and R. Koenig. 1,541,418; June 9.
Percussion tool. W. H. Scully. 1,540,868; June 9.
Perforator. E. H. Salt. 1,541,188; June 9.
Phonograph. H. Bartel. 1,541,022; June 9.
Photographic copying, enlarging, and reducing apparatus. R. Harris. 1,541,214; June 9.
Photographic film and making same. M. B. Punnett. 1,540,862; June 9.
Photographic-film-supplying machine, Automatic. C. de Moos. 1,540,831; June 9.
Photographs for mapping and other purposes, Making. S. M. Fairchild and H. E. Ives. 1,541,555; June 9.
Picture machine, Moving. E. C. Rogers. 1,540,902; June 9.
Picture machines, Reel for. J. K. E. Tervas. 1,541,005; June 9.
Pictures, Printing complemental. J. A. Ball and E. A. Weaver. 1,541,315; June 9.
Pile fabric. C. V. Kozlay. Des. 67,530; June 9.
Pipe: *See*—
Tobacco pipe.
Pipe cover. C. H. Meyer. 1,541,727; June 9.
Pipe fitting. J. Sullivan. 1,540,816; June 9.
Pipe hanger. J. W. Farley. 1,541,129; June 9.
Pipe joint. E. Tribe. 1,541,601; June 9.
Piston, especially for use in connection with internal-combustion engines, Light-metal. P. Schüttler and S. Löffler. 1,540,905; June 9.
Piston-packing-expanding device. W. B. Wigle. 1,541,546; June 9.
Piston-ring-fitting apparatus. C. E. Daniels. 1,540,765; June 9.
Pitchfork attachment. A. B. Tomlinson. 1,541,671; June 9.
Planter, Checkrow. A. C. Salmons. 1,540,865; June 9.
Plate-finishing machine, Seminutomatic. C. E. Hopkins. 1,541,568; June 9.
Plate or similar article. E. L. Schnepf. Des. 67,553; June 9.
Platform, Moving. H. S. Putnam. 1,541,070; June 9.
Pliers. Z. M. Bain. 1,540,745; June 9.
Pliers. E. R. Carlson. 1,541,248; June 9.
Plumb and level instrument. G. C. White. 1,541,455; June 9.
Pneumatic tool. W. A. Smith. 1,540,909; June 9.
Pole cap. W. J. McFerran. 1,541,269; June 9.
Polo mallets and the like, Shaft for. H. C. Overin. 1,541,736; June 9.
Power-control mechanism. F. C. Horn. 1,541,712; June 9.
Power-developing device. A. H. Drake. 1,541,600; June 9.
Power-take-off mechanism. W. J. Fone. 1,540,935; June 9.
Power transmission. J. A. H. Barkey. 1,541,240; June 9.
Power-transmitting mechanism. B. M. Ely. 1,541,489; June 9.
Powder can. M. Polik. 1,541,658; June 9.
Powder puff. W. Ward. 1,540,970; June 9.
Press: *See*—
Cotton press. Drawing press.
Die press. Printing press.
Presses, Automatic spacing and locking means for. R. W. Eastman. 1,541,335; June 9.
Pressing machine. A. Ellert. 1,540,877; June 9.
Pressure-controlling device, Hydraulic. L. R. Huff. 1,540,886; June 9.
Printer's galley rack. A. A. Pannier. 1,540,948; June 9.
Printing on label tape, Machine for. E. F. Businger. 1,541,476; June 9.
Printing press. C. E. McKinsey. 1,541,364; June 9.
Printing press. R. H. Wilder. 1,541,017; June 9.
Prong discs, Sheet shifter for. A. J. Lloyd. 1,541,426; June 9.
Protective device for use in warfare. A. W. Hensel. 1,540,988; June 9.
Puller: *See*—
Wheel puller.
Pulp, Method and apparatus for bleaching. A. D. Merrill. 1,541,371; June 9.
Pump, Centrifugal. W. H. Noble. 1,541,171; June 9.
Pump coupling. M. C. Schweinert. 1,540,906; June 9.
Pump-operating apparatus. L. W. Smith. 1,541,597; June 9.
Pump plunger. O. Mowers. 1,541,166; June 9.
Pump, Rotary. E. L. Keller. 1,541,435; June 9.
Pumping apparatus. G. A. Buvinger. 1,541,112; June 9.
Pumping apparatus. G. A. Buvinger and C. Warner. 1,541,111; June 9.
Punch. J. Sudweeks. 1,541,078; June 9.
Punch, Hand. G. W. Pobanz. 1,540,860; June 9.
Purse. M. E. Rohr. Des. 67,549; June 9.
Quoin. J. J. Curtis. 1,541,770–1; June 9.
Rack: *See*—
Printer's galley rack. Storeroom rack.
Rack-cleaning device. A. J. A. Bell. 1,541,466; June 9.
Racket with ball-catching device. E. F. v. Mairhofen. 1,540,823; June 9.
Radiant energy, Receiving system for. J. H. Hammond, Jr. 1,540,881; June 9.
Radiator. D. J. Archer. 1,541,610; June 9.
Radiator. D. T. Lyon. 1,540,851; June 9.
Radiator. S. R. Swanson. 1,540,913; June 9.
Radiator-cap ornament. J. R. Olshel. Des. 67,540; June 9.
Radiators, Water gauge for. R. Ropte. 1,541,187; June 9.
Radiofrequency transformer. H. K. Sandell. 1,541,398; June 9.
Radiohousing. H. Cory. Des. 67,496; June 9.
Radio loud-speaker receiver. H. Walker. 1,541,450; June 9.
Radio receiving apparatus, Casing for. H. F. Herman. Des. 67,521; June 9.
Radiosets, Amplifier for. H. P. Porter. Des. 67,546; June 9.
Rail anchor. W. H. De Busk. 1,540,875; June 9.
Rail anchor. H. G. Warr. 1,541,084; June 9.
Rail fastening. O. Lieder. 1,541,722; June 9.
Railway. F. H. Ricker. 1,541,281; June 9.
Railway-bridge switch. D. A. Pickens. 1,540,949; June 9.
Railway-crossing danger-signal, Casing for a. R. Perry. Des. 67,543; June 9.
Railway, Electric. J. B. Strauss. 1,541,076; June 9.
Railway-gate-operating device. A. Peterson. 1,541,787; June 9.
Railway tie. G. B. Cox. 1,541,688; June 9.
Railway-track liner. H. N. Stamos. 1,541,599; June 9.
Railway-traffic-controlling apparatus. R. A. McCann. 1,541,232; June 9.
Railway-traffic-governing apparatus, Machine for controlling. W. C. McWhirter. 1,540,852; June 9.
Range, Gas. G. E. Pickup. 1,541,181; June 9.
Reaming tool. W. L. O'Brien. 1,540,947; June 9.
Receptacle or container. L. Hauser. 1,541,496; June 9.
Record-receiving lock. H. K. Moritz. 1,541,585; June 9.
Reed, wicker, and similar fabrics, Method of and loom for producing. F. B. Riley. 1,541,000; June 9.
Reel. L. J. Hedderich. 1,540,836; June 9.
Reel. A. Latham. 1,540,785; June 9.
Reflector. A. Solosabal. 1,540,813; June 9.
Refrigerating apparatus. H. P. Culver. 1,541,482; June 9.
Refrigerating apparatus. C. C. Spreen. 1,541,754; June 9.
Regulator: *See*—
Water-level regulator.
Relay. H. W. Brown. 1,541,618; June 9.
Relieving machine. F. Müller. 1,540,898; June 9.
Resins and making the same, Coumarone indene. H. C. Karns. 1,541,226; June 9.
Retort. B. H. Smith. 1,541,404–5; June 9.
Rim construction, Demountable. J. E. Hale. 1,541,642; June 9.
Rim, Demountable. T. F. Carpenter. 1,541,477; June 9.
Rim expanding and contracting device. J. M. Born. 1,541,617; June 9.
Rim-securing means, Collapsible. J. L. Kiley. 1,541,580; June 9.
Rims, Carrier for demountable. E. R. Draver. 1,541,413; June 9.
Ring: *See*—
Packing ring.
Ring. H. J. Bloom and A. Slatis. Des. 67,485; June 9.
Rivet holder. J. Tissler. 1,541,079; June 9.
Road cleaner. A. C. Anderson. 1,541,810; June 9.
Rock drill. W. A. Smith. 1,540,910; June 9.
Roller: *See*—
Lumber-handling roller.
Roof and forming same. D. Finley. 1,541,130; June 9.
Roofing machine. O. D. McFarland. 1,540,944; June 9.
Rotary cutter. O. G. Camond. 1,541,084; June 9.
Roving and the like machines, Stopping mechanism for. A. D. Boldue. 1,541,681; June 9.
Rubber articles, Apparatus for making hollow. A. H. Bates. 1,540,872; June 9.

Rubber articles, Forming holes in. W. De Rusha. 1,541,119; June 9.
Rubber from latex, Process and apparatus for obtaining. E. Hopkinson. 1,540,886; June 9.
Sample-carrying device. R. J. Mulvey. 1,541,167; June 9.
Sanitary drinking jacket for bottles. W. Gottlich. 1,541,258; June 9.
Sash and lift lock, Combined. E. Von Der Zwalin. 1,541,447; June 9.
Sash lift and window lock, Combined. G. R. Hall. 1,541,046; June 9.
Sash operator and fastener. R. A. Irving. 1,541,148; June 9.
Sash-weight-core-forming device. W. M. Barnard. 1,541,614; June 9.
Satchel. W. L. Fraser. 1,541,256; June 9.
Saw, Drag. K. F. Miles. 1,541,729; June 9.
Saw, Hack. F. W. Pierce. 1,541,884; June 9.
Saw head. K. F. Miles. 1,541,728; June 9.
Saw, Swing. H. C. Kaetker. 1,540,842; June 9.
Score card and tray turner for tile game sets. G. D. Coeritt. 1,541,554; June 9.
Screen: *See*—
Windshield screen.
Screw-driving device. A. A. Beach. 1,540,749; June 9.
Screw jack. A. L. Johnson. 1,541,577; June 9.
Screw, Thumb or wing. P. H. McCain. 1,541,518; June 9.
Sealing vacuum bottles in combination with automatic plug-feeding mechanism, Electrically-operated means for. W. Wagner. 1,541,604; June 9.
Seat bed. W. J. Broome. 1,541,105; June 9.
Seat cover. J. Reece. 1,540,804; June 9.
Seat cushion. E. P. Harley. 1,541,213; June 9.
Seat end. C. T. Hansen. Des. 67,519; June 9.
Self-locking spring. A. Krakauer. 1,541,056; June 9.
Separating machine, Centrifugal. W. Appel. 1,540,917; June 9.
Serving table. J. H. Paalman. 1,541,066; June 9.
Setting, grinding, and balancing machine. L. T. Medboldt. 1,541,370; June 9.
Sewer drain. M. Reshan. 1,541,436; June 9.
Sewing-machine binder guide. C. H. Sanborn. 1,541,235; June 9.
Sewing-machine feeding mechanism. C. H. Lucy. 1,540,787; June 9.
Sewing machine, Fur-. H. Ross. 1,541,751; June 9.
Sewing-machine shuttles, Bobbin case for. E. D. Hume. 1,541,051; June 9.
Sewing machines, Feeding mechanism for. M. Hemleb. 1,540,778; June 9.
Shade-roller-supporting means, Adjustable. T. F. Harris. 1,541,261; June 9.
Sharpener, Disk. P. M. Wildgrube. 1,540,827; June 9.
Sharpener, Shear and knife. F. A. Leigh. 1,541,059; June 9.
Sharpening device, Tool-. A. F. Geisinger. 1,541,560; June 9.
Sheaf loader. W. A. Baldwin. 1,540,919; June 9.
Sheaf loader. W. A. Baldwin. 1,541,463. June 9.
Shearing machine. W. Schwenke. 1,541,592; June 9.
Sheet-controlling device. C. J. Smith. 1,541,190; June 9.
Sheet-folding machine. H. K. King. 1,541,510; June 9.
Sheet material, Device for suspending. S. F. Cushman. 1,540,930; June 9.
Sheet-metal receptacle. H. E. Ingvoldstad. 1,541,416; June 9.
Shell and making the same, Cartridge. G. W. Schauerte. 1,541,438; June 9.
Shingle-holding means. R. Sherman. 1,540,960; June 9.
Ship protector. A. Rivelli. 1,541,661; June 9.
Shock absorber. J. P. Baldwin. 1,540,746; June 9.
Shock absorber. C. C. Blackmore. 1,541,101; June 9.
Shock absorber. J. Hofmann. 1,541,500; June 9.
Shoe. P. Mancuso and P. Napolitano. 1,541,161; June 9.
Shoe. F. Santoyo. 1,540,903; June 9.
Shoe and heel therefor. F. R. Briggs and G. T. McLeod. 1,541,320; June 9.
Shoe heel facings, Binding for. J. N. Craslineck. 1,540,980; June 9.
Shoe-polish box. S. H. Lindgren. 1,541,516; June 9.
Shore. F. J. Streit. 1,541,290; June 9.
Shoring device. J. S. Birch. 1,540,753; June 9.
Shot bit, Solid. C. C. Hansen. 1,540,882; June 9.
Shuttle. J. Shaw. 1,541,666; June 9.
Sign. D. S. Campbell. Des. 67,494; June 9.
Sign. C. R. Wood. 1,541,203; June 9.
Sign, Changeable. G. F. Parris. 1,541,655; June 9.
Sign or similar article. W. D. Rose. Des. 67,550; June 9.
Sign stand. H. G. Thomson. 1,541,200; June 9.
Signal: *See*—
Automobile signal. Vehicle signal.
Signal-storing arrangement. O. H. Loynes. 1,540,849; June 9.
Signaling device. W. H. Atterbury. 1,541,020; June 9.
Signaling device. E. J. Parker. 1,540,857; June 9.
Signaling system. P. B. Murphy. 1,540,797; June 9.
Silica, Making vitreous. L. B. Miller. 1,541,584; June 9.
Silk and the like, Apparatus for the production of artificial. J. F. Briggs and W. Yorke. 1,541,104; June 9.
Sirup can. V. B. Nuckols. 1,541,172; June 9.
Skate, Coaster. D. W. Dunberg. 1,541,763; June 9.
Skate, Road. E. Youngman. 1,541,019; June 9.
Slime concentrator. S. H. Boylan. 1,541,346; June 9.
Sliver thickness, Machine for indicating variations in. E. D. Walen and A. H. Parsons. 1,540,969; June 9.
Smash-protector motion. L. N. La Fayette. 1,540,942; June 9.
Smoker's article. E. J. Y. Hammett. 1,541,353; June 9.
Soap container. S. C. Pearson. Des. 67,541; June 9.
Soap or similar article, Cake of. R. S. Durstine. Des. 67,509; June 9.
Soldering device and material. J. H. White. 1,541,301; June 9.
Soldering iron. A. Plicque. 1,540,859; June 9.
Soldering iron, Electric. C. M. Chapman. 1,541,324; June 9.
Sole, Antislip shoe. H. A. McKnight and F. E. Burns. 1,541,234; June 9.
Sound amplifier or similar article. S. G. Brown. Des. 67,491; June 9.
Sound-insulating partition. A. H. Dodge. 1,540,932; June 9.
Sound-insulating partition. W. E. Duncanson. 1,540,931; June 9.
Sound-producing device, Cabinet for. J. Wolff. Des. 67,563; June 9.
Spark plug. A. F. Farman. 1,541,632; June 9.
Spark plug. E. S. Gormack. 1,541,042; June 9.
Spark timer. G. L. Hers. 1,541,497; June 9.
Speed meter, Air-. G. de Bothezat and I. I. Eremeeff. 1,541,412; June 9.
Speedometer-driving mechanism. J. Berge and E. A. Gustafson. 1,541,468; June 9.
Splicing needle and tucker. D. H. McCray. 1,540,790; June 9.
Spline connection for universal joints and the like, Slip-end. W. H. Thiemer. 1,541,007; June 9.
Spot and parking light, Combined. H. Schlaich. 1,540,904; June 9.
Spreaders, Feeding mechanism for. C. C. Hermann and E. C. and H. L. Litchfield. 1,540,884; June 9.
Spring: *See*—
Front spring. Self-locking spring.
Spring suspension, Pneumatic. J. Von Waldy. 1,540,824–5; June 9.
Spring wheel. K. Piesch. 1,541,739; June 9.
Sprinkler: *See*—
Lawn sprinkler.
Stand: *See*—
Sign stand.
Stapling machines, Attachment for. I. Chapman. 1,541,625; June 9.
Steam injector, Exhaust-. B. Broido. 1,541,321; June 9.
Steel, Manufacture of. A. H. Ackerman. 1,541,746; June 9.
Steel, Manufacture of. C. Cumings. 1,541,745; June 9.
Steel stringer, Pressed-. A. S. Hughes. 1,541,571; June 9.
Steering device for automobiles, Irreversible. J. G. Des Roberts. 1,541,120; June 9.
Steering wheel. C. H. Kearick. 1,540,992; June 9.
Stencil, Transparent. M. S. Compton and E. G. Schreibeis. 1,541,460; June 9.
Stepladder brace. F. J. Le Beau. 1,541,422; June 9.
Stepladder metal. F. J. Le Beau. 1,541,421; June 9.
Stone and rock picking mechanism. E. Smith. 1,541,583; June 9.
Stone gatherers, Slip clutch for. L. D. Teter. 1,541,198; June 9.
Stoves, Mechanism for breaking and handling. J. Reaney. 1,541,392; June 9.
Stop motion. T. and A. Wilson. 1,541,548; June 9.
Storage battery. R. B. Owen. 1,541,877; June 9.
Storage tank, Vaporproof. A. E. Sadler. 1,541,591; June 9.
Storeroom rack. C. A. Cline. 1,541,686; June 9.
Stove. O. L. Harrison. 1,541,494; June 9.
Stove, Gas. H. M. Cawood. 1,541,685; June 9.
Styrol and its homologues from aromatic hydrocarbons, Producing. I. Ostromislensky and M. G. Shepard. 1,541,175; June 9.
Styrol or its homologues, Manufacture of. I. Ostromislensky. 1,541,176; June 9.
Submarines and other submersible vessels, Water-tight bulkhead for. E. Schneider. 1,540,958; June 9.
Suction cleaner, Electric. H. E. Hoover. 1,541,567; June 9.
Sugar dispenser, Sanitary. L. Bornfreund. 1,541,245; June 9.
Sundae holder. A. F. Saunders. Des. 67,564; June 9.
Superheater. J. E. Bell. 1,541,205; June 9.
Supporter, Hose. M. F. Gaunt. 1,541,701; June 9.
Sweaters and making the same, Reenforcement for. R. C. Piscitello. 1,541,385; June 9.
Swimming, Footwear appliance for. E. M. N. Korving. 1,541,419; June 9.
Swimming paddle. C. S. Barrett. 1,541,100; June 9.
Swinging window. J. J. Donovan. 1,541,123; June 9.
Switch: *See*—
Closed switch. Railway-bridge switch.
Electric switch. Telephone switch.

Switch box, Electric. E. Dennis. 1,541,485; June 9.
Switches, Cabinet for electric. P. E. Monson. 1,540,795; June 9.
Switches, Contact bank for coordinate. O. F. Forsberg. 1,541,341; June 9.
Switching device. H. W. Goff. 1,541,343; June 9.
Switching mechanism. H. W. Goff. 1,541,344; June 9.
Syringe. A. N. Bessesen. 1,541,615; June 9.
Syringe, Scalp. R. H. Richardson. 1,540,863; June 9.
Table: *See*—
Feeding table. Serving table.
Haying table.
Table. T. J. Hickman. 1,541,709; June 9.
Table lock. A. Perrin. 1,541,381; June 9.
Tableware washer. G. A. Maloney. 1,540,793; June 9.
Tablet, Medicinal. B. K. Wiseman. 1,541,744; June 9.
Talking-machine cabinet. E. T. Kieffer and W. E. Stevenson. Des. 67,524; June 9.
Talking machines, Automatic stop for. W. R. Duncan. 1,541,253; June 9.
Tank: *See*—
Flush tank. Storage tank.
Tank connection, Adjustable. J. N. Martin. 1,541,725; June 9.
Tape-moistening machine. V. J. Van Horn. 1,541,297; June 9.
Taping machine. P. E. Chapman. 1,541,626; June 9.
Tea cozy. E. K. Buedingen. Des. 67,492; June 9.
Tea gathering. C. H. Tillmanns. 1,541,446; June 9.
Teaching geometry or trigonometry, Device for use in. G. A. Parkinson. 1,541,179; June 9.
Telegraph repeater. B. P. Hamilton. 1,540,835; June 9.
Telegraph system, Automatic. E. P. Bancroft and M. B. Kerr. 1,541,316; June 9.
Telegraph system, Automatic. G. A. Locke. 1,541,229; June 9.
Telephone attachment. H. A. Beenk. 1,541,679; June 9.
Telephone-exchange system. C. L. Goodrum. 1,541,347; June 9.
Telephone-exchange system. G. R. Martin. 1,541,368; June 9.
Telephone-exchange system. J. L. McQuarrie. 1,541,367; June 9.
Telephone-exchange system. F. A. Stearn. 1,541,408; June 9.
Telephone-exchange system. D. L. Temple. 1,541,291; June 9.
Telephone-exchange system, Automatic. L. Polinkowsky. 1,541,388; June 9.
Telephone-exchange system, Machine-switching. L. Polinkowsy and G. Deakin. 1,541,386; June 9.
Telephone switch, Automatic. V. F. Miller. 1,541,164; June 9.
Telephone system. W. P. Albert. 1,541,808; June 9.
Telephone system. A. F. Kane. 1,541,359; June 9.
Telephone system. C. E. Lomax. 1,540,786; June 9.
Telephone system. L. Polinkowsky. 1,541,387; June 9.
Telephone system. A. B. Sperry. 1,541,196; June 9.
Telephone system, Automatic. E. Jacobaeu. 1,541,149; June 9.
Telephone system, Automatic. J. Savin. 1,541,400; June 9.
Telephone system, Automatic. J. Savin and R. Mercer. 1,541,401; June 9.
Telephones, Paper-holding clip for. W. H. S. Pearce. 1541,525; June 9.
Tent and bed equipment for vehicles, Folding. R. E. Kimball. 1,540,844; June 9.
Testing transformer. C. M. McCord. 1,540,789; June 9.
Thread cutter. E. Chute. 1,541,624; June 9.
Thread guide for stop motions. F. Crawford, sr. 1,541,628; June 9.
Thread supply holder and guide, Bobbin-. M. Gilbert, T. Guida, and S. Katz. 1,541,562; June 9.
Throttle, Double-bearing. R. E. Hart. 1,541,047; June 9.
Ticket ribbons, Tension mechanism for. J. F. Dwyer. 1,540,876; June 9.
Ticket, Transfer. J. O. M. Seibert. 1,541,403; June 9.
Tie: *See*—
Railway tie.
Tile machine, Hollow. A. J. Bruce. 1,541,206; June 9.
Time recorder. H. M. Lawton. 1,540,843; June 9.
Timing device. W. J. Miller. 1,540,894; June 9.
Tire. R. B. Brown. 1,541,027; June 9.
Tire. W. R. Gilliam. Des. 67,515; June 9.
Tire. H. B. Johnston. 1,541,508; June 9.
Tire-chain fastener. S. B. Baldwin. 1,541,514; June 9.
Tire chains, Fastener and tightener for. F. M. Brown. 1,540,756; June 9.
Tire gauge. A. G. Park. 1,541,750; June 9.
Tire-pressure-gauge holder. R. L. Holdridge. 1,540,990; June 9.
Tire remover. F. A. Fortin. 1,541,491; June 9.
Tire rim for automobile wheels. L. G. Finnicum. 1,541,131; June 9.
Tire tread. E. B. McKay. Des. 67,535; June 9.
Tire valve, Automobile. J. H. Dunn. 1,541,125; June 9.
Toaster, Electric. G. E. V. Hitzroth. 1,541,711; June 9.
Toaster, Electric. C. F. Jones. 1,541,222; June 9.
Tobacco package. F. B. Jack. 1,541,506; June 9.
Tobacco pipe. G. C. Cordes. 1,540,762; June 9.
Tobacco pipe. H. E. Goldvogel. 1,541,345; June 9.
Tobacco pipe. V. Kobler. 1,541,152; June 9.
Tobacco pipes, Cleaning attachment for. H. E. Goldvogel. 1,541,346; June 9.
Tobacco-stemming machine. G. F. Eckart. 1,541,487; June 9.
Toilet case. J. R. Powell. Des. 67,545; June 9.
Tonsil snare. H. W. Schultze. 1,541,664; June 9.
Tool. F. K. Landgraf. 1,541,268; June 9.
Tool. T. H. Nelson. 1,541,733; June 9.
Tool, Combination. R. Micek. 1,541,873; June 9.
Tool, Pin. L. E. Faucher and W. M. Dixon. 1,541,695; June 9.
Tool receptacle or carrier. L. E. Ford. 1,541,211; June 9.
Toothbrush. S. Soneshein. 1,540,911; June 9.
Torpedoes, Decreasing the visibility of the wake of automobile. C. Davis. 1,541,689; June 9.
Towel-folding machine. L. F. Mustee. 1,541,374; June 9.
Towing fixture, Drive-a-way. W. P. Fleming. 1,541,037; June 9.
Toxic and other irritant substances, Method and apparatus for dispersing. D. B. Bradner. 1,541,103; June 9.
Toy aeroplane and launching device therefor. A. Kikta. 1,541,579; June 9.
Toy, Alphabetical. G. Taylor. 1,541,004; June 9.
Toy building block. C. D. Fisher. 1,541,556; June 9.
Toy duck. R. D. Grove. Des. 67,518; June 9.
Toy, Educator. F. M. Pierce. 1,541,388; June 9.
Toy fence. H. H. Martin. 1,541,369; June 9.
Toy musical instrument. F. G. Scholl. Des. 67,554; June 9.
Toy with voice and movable features. I. E. Cohn. 1,541,479; June 9.
Trace support. W. E. Swift. 1,540,817; June 9.
Track belts, Brake mechanism for. A. Kégresse. 1,540,843; June 9.
Tractor attachment. B. F. B. Sewell. 1,541,665; June 9.
Tractor hitch. H. Mack. 1,540,854; June 9.
Tractor machine. A. R. Blewett. 1,541,026; June 9.
Train-pipe connecter, Automatic. J. V. Robinson. 1,540,953; June 9.
Train-stop mechanism, Automatic. L. R. Wallace. 1,540,915; June 9.
Transmission-band clamp. R. B. Steuart. 1,540,815; June 9.
Transmission bands, Treating. T. J. Snider and W. E. Marshall. 1,541,598; June 9.
Transmission relining band. D. B. Smith. 1,541,406; June 9.
Transportation, System of. S. B. Winn. 1,541,457; June 9.
Trap: *See*—
Animal trap.
Tray, Ash. I. M. Clarke. Des. 67,495; June 9.
Tray, Crumb. H. L. Briggs. Des. 67,490; June 9.
Tread units, Apparatus for assembling. C. B. Ames. 1,541,092; June 9.
Trolley for chain conveyers. J. B. Webb. 1,541,539; June 9.
Truck. A. Wallace. 1,540,914; June 9.
Truck for transporting goods. H. W. Howe. 1,541,570; June 9.
Truck for use in maneuvering aircraft. J. Galland. 1,541,700; June 9.
Truck, Industrial. C. E. Cochran. 1,541,029; June 9.
Truck, Industrial. J. M. Breitenbach and W. Schroeder. 1,541,473; June 9.
Trucks, Drive for motor. L. Howe. 1,541,502; June 9.
Tub and flap. E. Fetter. 1,540,879; June 9.
Tube: *See*—
Electron tube.
Tube-drawing machine. E. Linderme. 1,541,424; June 9.
Tubing machines, Core bridge for. V. Royle. 1,541,528; June 9.
Turbine blading. C. A. Parsons and F. W. Gardner. 1,541,657; June 9.
Tying-up or bundling machine. F. Sedlmayr. 1,541,581; June 9.
Typewriters, Coding attachment for. J. Powers. 1,541,183; June 9.
Typewriters, Copying process and apparatus for. C. H. Caldwell. 1,541,322; June 9.
Typewriters or similar machines, Resilient cap for the keys of. R. S. Graham. 1,541,043–5; June 9.
Typewriting machine. F. W. Hillard. 1,541,141; June 9.
Typewriting machine. F. W. Hillard. 1,541,496; June 9.
Typewriting machine. J. B. Holden. 1,541,219; June 9.
Typewriting machine. G. A. Seib. 1,540,907; June 9.
Typewriting machine. J. A. B. Smith. 1,541,191–2; June 9.
Typewriting machine. B. C. Stickney. Re16,092; June 9.
Typewriting machine. J. Waldheim. 1,541,742–8; June 9.
Umbrella. F. J. Pugel. 1,541,278; June 9.
Uncoupling device. J. E. Tesseyman. 1,541,536; June 9.
Undergarment. L. Raymond. 1,541,184; June 9.
Universal-joint casing. A. C. Klopping. 1,540,998; June 9.
Vaccine, Machine for the treatment of. R. F. Macfie. 1,540,853; June 9.
Vacuum cleaner. S. C. Lines. 1,540,994; June 9.
Vacuum-operated brake. W. O. Kennington. 1,541,266; June 9.

Vacuum-tube circuits. S. E. Anderson. 1,541,811; June 9.
Valve. C. B. Allen. 1,541,757; June 9.
Valve. W. L. Belknap. 1,541,465; June 9.
Valve. F. R. Belluche. 1,541,318; June 9.
Valve. A. W. Charles. 1,540,927; June 9.
Valve. S. Gade. 1,541,558; June 9.
Valve. V. V. Veenschoten. 1,541,082; June 9.
Valve, Antifouling trap. H. E. Weir. 1,541,540; June 9.
Valve, Blow-off. H. R. Rockwell. 1,540,954; June 9.
Valve-control mechanism, Positive. P. H. E. Vareille. 1,541,081; June 9.
Valve-gear mechanism. J. W. Shepard. 1,541,595; June 9.
Valve, Hydraulic. G. J. Stuart. 1,540,962; June 9.
Valve, Lock. V. J. Hendricks. 1,541,216; June 9.
Valve, Rotary. C. A. Sawtelle. 1,540,808; June 9.
Valved vent. H. E. Tunnell. 1,541,588; June 9.
Vanity case. E. P. Wallace. 1,541,451; June 9.
Vegetable fibers, Treating green. E. W. Geisler. 1,541,257; June 9.
Vegetable milk, Making. G. D. Thevenot. 1,541,006; June 9.
Vegetable and the like, Machine for cutting. E. H. Hosterman and W. Dorn. 1,541,501; June 9.
Vehicle. H. H. Adams and C. Gordon. 1,541,676; June 9.
Vehicle. F. W. Wright. 1,541,458; June 9.
Vehicle bodies, Repairing panels for. P. Dowling. 1,541,333; June 9.
Vehicle, Child's. E. J. Baisden. 1,541,097; June 9.
Vehicle control. C. M. Ford. 1,541,038; June 9.
Vehicle lifter. R. M. Yunkes. 1,541,090; June 9.
Vehicle parking attachment. O. L. Thompson. 1,541,670; June 9.
Vehicle signal, Arm. F. M. Baldwin. 1,541,098; June 9.
Vehicle signal, Motor-. E. T. Winget, H. E. Bradley, and M. C. Walter. 1,541,089; June 9.
Vehicle spring and mounting therefor. D. T. Brownlee. 1,541,474; June 9.
Vehicle springs, Casing for. F. B. Ballou. 1,540,977; June 9.
Vehicle, Steam-propelled. O. C. Trask. 1,541,009; June 9.
Vehicle suspension. W. S. Pierce, jr. 1,541,526; June 9.
Vehicle, Taximeter. A. Weiss. 1,541,544; June 9.
Vehicles and the like, Trimming the interiors of. J. Regenstein. 1,541,587; June 9.
Vehicles, Attachment for motor. A. Weiss. 1,541,542–3; June 9.
Vehicles, Attachment for taximeter. A. Weiss. 1,541,541; June 9.
Vehicles, Direction signal for motor. J. L. Goodwin and A. B. Washburn. 1,541,348; June 9.
Vehicles, Illuminated gear-shift-lever ball for motor. B. Cotten and M. L. Landess. 1,541,209; June 9.
Vehicles, Joint for the springs of motor. H. S. Powell. 1,541,276–7; June 9.
Vehicles or other apparatus, Speed-changing mechanism for motor. J. Nambotin. 1,541,168; June 9.
Vehicles, Sander for motor. J. Maccallum, jr. 1,541,159; June 9.
Vending and advertising machine. D. L. Chandler. 1,541,622; June 9.
Vending machine with spurious-coin detector. D. L. Chandler. 1,541,623; June 9.
Vessel, Marine. B. F. Wright. 1,541,204; June 9.
Vessel, Submarine. F. Ries. 1,541,186; June 9.
Vinyl chloride from acetylene, Obtaining. I. Ostromislensky. 1,541,174; June 9.
Vise. B. M. Johnson. 1,541,715; June 9.
Visor light. A. B. Nock. 1,541,376; June 9.
Vibration instrument for bone audition. F. W. Krans. 1,540,783; June 9.
Vitamin preparation. I. F. Harris. 1,540,883; June 9.
Vulcanising apparatus. C. M. Semler. 1,541,594; June 9.
Wagon or truck dumping body. A. A. and A. Juelfs. 1,541,223; June 9.
Wagon, Stacker. W. H. Smalley. 1,540,812; June 9.
Wagon stake. F. M. Lay. 1,540,891; June 9.
Wall board. W. B. Doe. 1,541,332; June 9.
Wall sheathing. C. O. Cowan. 1,541,481; June 9.
Wall structures, Securing paper and metal fabrics to. C. E. Keas and H. W. Hahn. 1,541,360; June 9.
Warping machine. E. Hottinger-Schärer. 1,541,145; June 9.
Washer: *See*—
Tableware washer.
Washing machine. E. Rue. 1,540,956; June 9.
Washing-machine gearing. G. More. 1,540,896; June 9.
Watchman's service. E. L. Granel. 1,540,775; June 9.
Water-flow system. H. Lacourcière. 1,541,719; June 9.
Water heater, Electric. J. J. Kubner. 1,541,646; June 9.
Water-level regulator. C. J. Davidson. 1,541,031; June 9.
Watering apparatus, Stock-. T. W. Black. 1,541,471; June 9.
Weeder. W. J. Rausler and L. C. Puett. 1,540,950; June 9.
Welding, Electric resistance. W. A. Knoop. 1,541,513; June 9.
Welding machine, Arc-. W. L. Merrill. 1,541,582; June 9.
Well and pipe-line drip, Automatic. G. Steinberger. 1,540,814; June 9.
Wheel: *See*—
Cushion wheel. Steering wheel.
Spring wheel.
Wheel. F. W. Schroeder and J. W. Wilcox. 1,541,284; June 9.
Wheel assembly for graders, Front-. F. E. Arndt. 1,540,976; June 9.
Wheel puller. R. B. Hainsworth. 1,541,565; June 9.
Wheel puller. F. J. Schuman. 1,541,530; June 9.
Wheels, Demountable rim for vehicle. J. Reipas. 1,541,394; June 9.
Wheels, Rim for vehicle. F. C. Thiess. 1,541,445; June 9.
Winding-machine stop motions, Automatic starter for. J. O. McKean. 1,541,581; June 9.
Winding machines, Yarn guide for. L. T. Houghton. 1,541,569; June 9.
Window lift and ventilator. E. M. Ritteau. 1,541,588; June 9.
Windows, Mounting for store. M. Katz. 1,541,055; June 9.
Windshield screen. O. R. Gregory. 1,540,985; June 9.
Wire hanger. A. J. Gurney. 1,541,493; June 9.
Wire, Method of and machine for the internal winding of. F. W. Sickles. 1,541,189; June 9.
Wireless telegraphy. H. Abraham. 1,541,608; June 9.
Wood-grinding means. G. Nenzel. 1,541,521; June 9.
Wood turner, Automatic. W. O'Neel. 1,540,801; June 9.
Wrench. J. W. Kaough. 1,541,224–5; June 9.
Wrench. W. A. Norton. 1,540,798; June 9.
Wrench. C. S. Olson. 1,541,065; June 9.
Wrench. J. G. Saunders. 1,541,399; June 9.
Wrench. R. G. Scott. 1,541,593; June 9.
Wringer. O. M. Otte. 1,541,178; June 9.
Wringer mechanism, Swinging-. G. More. 1,540,897; June 9.
Wringers, Combined button arranger and safety guard for. O. M. Otte. 1,541,177; June 9.
X-ray apparatus. W. D. Coolidge. 1,541,627; June 9.
Yarn cleaner. H. E. Van Ness. 1,541,448; June 9.
Yarns after liquid treatment thereof, Apparatus for the drying of wound. J., T., and J. Brandwood. 1,540,928; June 9.
Zinc-oxide recovery process and by-products thereof. O. Geriach. 1,541,561; June 9.

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Acme-International X-Ray Co., Chicago, Ill. Electro-surgical apparatus for dissection, etc. 199,661; June 16; Serial No. 198,494; published Oct. 28, 1924.

Adams, Thomas, Barberton, Ohio. Cone dispensers. 199,859; June 16; Serial No. 209,827; published Apr. 7, 1925.

Albersheim, Dr. M., Frankfort-on-the-Main, Germany. Soaps. 199,748; June 16; Serial No. 207,542; published Mar. 31, 1925.

Alward-Anderson-Southard Co., Chicago, Ill. Hunting coats, pants, vests, caps, etc. 199,770; June 16; Serial No. 208,328; published Mar. 31, 1925.

American Bed Company, St. Louis, Mo. Folding beds. 199,590; June 16; Serial No. 195,731; published Aug. 12, 1924.

American Bleached Goods Company, Inc., New York, N. Y. Cotton piece goods. 199,813; June 16; Serial No. 184,200; published Apr. 7, 1925.

American Broom and Brush Co., Amsterdam, N. Y. Brooms. 199,861; June 16; Serial No. 209,892; published Apr. 7, 1925.

American Doucil Company, Philadelphia, Pa. Double silicate of sodium and aluminum. 199,866; June 16; Serial No. 210,110; published Apr. 7, 1925.

American Feisol Company, Lorain, Ohio. Medicines used in the treatment of asthmatic affections. 199,780; June 16; Serial No. 205,307; published Mar. 31, 1925.

American Oil Co., The, Baltimore, Md. Fuel oils and lubricating oils and greases. 199,733; June 16; Serial No. 207,844; published Mar. 31, 1925.

American Optical Company, Southbridge, Mass. Optical goods. 26,919; renewed Aug. 13, 1925.

American Steam Specialty Corporation, New York, N. Y. Radiator, globe, gate, and check valves, etc. 199,615; June 16; Serial No. 208,735; published Mar. 24, 1925.

American Steel and Wire Company of New Jersey, The, Cleveland, Ohio; Chicago, Ill.; Pittsburgh, Pa.; New York, N. Y.; and Worcester, Mass. Metal fenceposts. 199,891; June 16; Serial No. 208,694; published Mar. 31, 1925.

American Thrift Fraternity, Philadelphia, Pa. Monthly periodicals. 199,618; June 16; Serial No. 199,273; published Mar. 31, 1925.

American Toy & Novelty Works, Inc., York, Pa. Children's sleds. 199,853; June 16; Serial No. 209,716; published Apr. 7, 1925.

American Wine Co., St. Louis, Mo. Champagne or sparkling wine. 46,969; renewed Oct. 17, 1925.

Ardito, Giambatista, Hoboken, N. J. Pills for catarrh. 47,445; renewed Nov. 7, 1925.

Arlington Mills, Boston, Mass. Worsted and cotton yarns. 46,838; renewed Oct. 10, 1925.

Arrow Supply & Importing Company, New York, N. Y. Dental pliers. 199,744; June 16; Serial No. 207,442; published Mar. 31, 1925.

Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,698; June 16; Serial No. 192,881; published Apr. 7, 1925.

Arrowsmith Manufacturing Company, New York, N. Y. Devices for measuring the feet, hands, and other portions of the body. 199,689; June 16; Serial No. 192,883; published Apr. 7, 1925.

Arrowsmith Manufacturing Company, New York, N. Y. Plasters and pads for treating abnormal growths and conditions of the feet. 188,690; June 16; Serial No. 192,878; published Apr. 7, 1925.

Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,691; June 16; Serial No. 192,877; published Apr. 7, 1925.

Arrowsmith Manufacturing Company, New York, N. Y. Supports for the arches and other parts of the feet. 199,692; June 16; Serial No. 192,875; published Apr. 7, 1925.

Aspegren & Co., Inc., New York, N. Y. Lard substitutes. 199,817; June 16; Serial No. 188,399; published Mar. 25, 1924.

Associated Professions Inc., The, New York, N. Y. liquid dentifrice or antiseptic liquid preparation. 199,810; June 16; Serial No. 208,840; published Mar. 24, 1925.

Associated Professions Inc., The, New York, N. Y. Dental cream. 199,820; June 16; Serial No. 208,839; published Mar. 24, 1925.

Aubrey, Frederic C., Albany, N. Y. Preparation for cleaning teeth. 199,855; June 16; Serial No. 209,762; published Apr. 7, 1925.

Audiphone Company of America, New York, N. Y. Electrical polystation loud-speaking telephone systems, receivers for same, etc. 199,811; June 16; Serial No. 181,052; published Dec. 9, 1924.

Auer, C. A., Corry, Pa. Leather oil-well cups. 199,893; June 16.

Austin, Nichols & Co., Brooklyn, N. Y. Mayonnaise, olive mayonnaise, catchup, and chili sauce. 199,761; June 16; Serial No. 208,550; published Mar. 31, 1925.

Autocar Co., The, Ardmore, Pa. Motor cars. 46,992; renewed Oct. 17, 1925.

Averill Manufacturing Corporation, New York, N. Y. Dolls. 199,593; June 16; Serial No. 194,245; published Mar. 31, 1925.

B & H Pharmacal Company, The. (See Bransky & Harris.)

Badger Waterproofing Co., Luxemburg, Wis. Cement and concrete. 199,666; June 16; Serial No. 208,471; published Mar. 3, 1925.

Badish & Holt, New York, N. Y. Laces. 199,806; June 16; Serial No. 171,447; published Mar. 31, 1925.

Baldwin Company, The, Cincinnati, Ohio. Pianos. 47,553; renewed Nov. 7, 1925.

Baller, Harry, doing business as Ray Manufacturing Company, New York, N. Y. Cosmetics, toilet creams, skin balm, etc. 199,818; June 16; Serial No. 208,841; published Apr. 7, 1925.

Baltic India Rubber Company "Quadrat," Riga, Latvia. Rubber overshoes. 199,625; June 16; Serial No. 202,317; published Mar. 31, 1925.

Banner-Mahoning Furnace Company, The, Youngstown, Ohio. Coal, wood, gas, and oil-burning furnaces. 199,679; June 16; Serial No. 197,128; published Feb. 10, 1925.

Bartlett, David S., Springfield, Mass. Knobs for shifting gear levers. 199,728; June 16; Serial No. 207,960; published Mar. 31, 1925.

Bay City Milling Company, Bay City, Mich. Wheat flour. 199,665; June 16; Serial No. 206,508; published Mar. 31, 1925.

Beaver Canning Company, Beaver Dam, Wis. Canned peas. 199,752; June 16; Serial No. 206,874; published Mar. 31, 1925.

Bee Kleaner Company, Atlanta, Ga. Cleaning fluid or compounds. 199,777; June 16; Serial No. 205,629; published Mar. 31, 1925.

Behrens, E. H., & Co., Inc., New York, N. Y. Piece goods made of a mixture of cotton and silk and of a mixture of cotton and artificial silk. 199,669; June 16; Serial No. 206,393; published Mar. 31, 1925.

Bemis, Fred L., doing business as Bemis Drug Co., North Abington, Mass. Medicine for coughs, colds, etc. 199,870; June 16; Serial No. 210,157; published Apr. 7, 1925.

Berdan Co., The, Toledo, Ohio. Coffee. 199,717; June 16; Serial No. 208,220; published Apr. 7, 1925.

Bergische Stahl-Industrie, Remscheid, Germany. Pocket-knives, razors, table forks, etc. 199,677; June 16; Serial No. 205,675; published Mar. 31, 1925.

Bianchini Ferier, Lyon, France. Silk, wool, etc., piece goods. 199,607; June 16; Serial No. 209,153; published Mar. 24, 1925.

Blaesser & Eshleman, Paullina, Iowa. Lotion for the hands and face. 199,844; June 16; Serial No. 209,614; published Apr. 7, 1925.

Blake, Anna M., doing business as Healoderm Laboratories. Face powders, face creams, rouges, etc. 199,833; June 16; Serial No. 209,767; published Apr. 7, 1925.

Blum, Harry, doing business as Philip Blum & Company, Chicago, Ill. Whisky. 199,630; June 16; Serial No. 204,392; published Mar. 31, 1925.

Bob, H. D., Company, Inc., New York, N. Y. Men's and boys' shirts, blouses, pyjamas, etc. 199,742; June 16; Serial No. 207,677; published Mar. 31, 1925.

Bo-Ko-Health Laboratory. (See Hladky, Frank M.)

Bond, Charles, Company, Philadelphia, Pa. Leather loom sundries. 199,796; June 16; Serial No. 203,934; published Mar. 31, 1925.

Bosence & Eaton, Redondo Beach, Calif. Canned spiced fish meats. 199,764; June 16; Serial No. 208,504; published Apr. 7, 1925.

Boss Manufacturing Company, The, Kewanee, Ill., and Brooklyn, N. Y. Gloves and mittens. 199,676; June 16; Serial No. 205,737; published Mar. 31, 1925.

Bransky & Harris, doing business as The B & H Pharmacal Company, Norfolk, Va., and Chicago, Ill. Medicine for coughs, colds, etc. 199,880; June 16; Serial No. 209,330; published Apr. 7, 1925.

Brant, John M., Company, Bushnell, Ill. Motor and tractor oils. 199,800; June 16; Serial No. 164,626; published Mar. 17, 1925.

Braun, Egon, Hamburg, Germany. Beverages and mineral water and essences of herbs for making same. 199,626; June 16; Serial No. 202,374; published Mar. 31, 1925.

Bridgeport Wood Finishing Co., The; Lithowhite Silex Co., New Milford, Conn., successor. Ground crystal quartz. 46,006; renewed Sept. 5, 1925.

Briggs & Stratton Company, assignee to Briggs & Stratton Corporation, Milwaukee, Wis. Automobile locks, compartment locks, and locking door handles. 199,698; June 16; Serial No. 192,171; published Mar 31, 1925.

Britton Threads, Inc., Pawtucket, R. I. Cotton threads. 199,760; June 16; Serial No. 208,589; published Mar. 31, 1925.

Brooks, William W., doing business as Brooks Chemical Co., Memphis, Tenn. Liniment. 199,884; June 16; Serial No. 209,197; published Mar. 31, 1925.

Brune, Herman, New York, N. Y. Candies. 199,892; June 16; Serial No. 178,163; published Nov. 27, 1923.

Buckeye Producing Co., The, Toledo, Ohio. Ginger ale. 199,840; June 16; Serial No. 209,525; published Mar. 31, 1925.

Butler Brothers, Chicago, Ill. Handkerchiefs. 199,862; June 16; Serial No. 209,978; published Apr. 7, 1925.

California Paint Company, Oakland, Calif. Lubricating oils and greases. 199,801; June 16; Serial No. 165,483; published Apr. 3, 1923.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Soups. 47,153; renewed Oct. 31, 1925.

Campbell, Joseph, Company, assignor to Campbell Soup Company, Camden, N. J. Baked beans. 47,154; renewed Oct. 31, 1925.

Camthol Company, The, Savannah, Ga. Medicinal salve for congestion, etc. 199,788; June 16; Serial No. 204,813; published Mar. 17, 1925.

Canfield Oil Company, The, Cleveland, Ohio. Lubricating oils and greases. 199,810; June 16; Serial No. 178,329; published Mar. 17, 1925.

Carafotias, James, Rockford, Ill. Roach compound. 199,773; June 16; Serial No. 208,278; published Mar. 31, 1925.

Carasso, Albert, doing business as Fold-O-Phone Mfg. Co., New York, N. Y. Phonographs and talking machines. 199,605; June 16; Serial No. 209,201; published Mar. 24, 1925.

Carey Medical Corporation, The, Elmira, N. Y. Nerve tablets. 199,768; June 16; Serial No. 208,370; published Apr. 7, 1925.

Carey Medical Corporation, The, Elmira, N. Y. Nerve tablets. 199,769; June 16; Serial No. 208,389; published Mar. 24, 1925.

Caro, Nemesio Lopez, & José Luis Conde Peres, Buenos Aires, Argentina. Perfume, toilet waters, etc. 199,793; June 16; Serial No. 204,497; published Mar. 24, 1925.

Carr, George P. N., Philadelphia, Pa. Oils and greases. 199,713; June 16; Serial No. 208,896; published Mar. 31, 1925.

Certain-teed Products Corporation, New York, N. Y. Dental plaster and surgical plaster of Paris. 199,755; June 16; Serial No. 206,767; published Mar. 31, 1925.

Certified Laboratories. (See Lorton, Frank D.)

Chandler and Rudd Company, The, Cleveland, Ohio. Ham, bacon, and sausage. 199,682; June 16; Serial No. 196,431; published Apr. 7, 1925.

Chaslyn Company. (See Linebarger, Charles B.)

Cheramy, Inc., New York, N. Y. Perfume, toilet water, etc. 199,726; June 16; Serial No. 208,041; published Mar. 24, 1925.

Clark, Chas. H., Philadelphia, Pa. Skin lotions. 199,841; June 16; Serial No. 209,529; published Apr. 7, 1925.

Clark, John V., Minneapolis, Minn. Peat-fuel product. 199,809; June 16; Serial No. 173,868; published Mar. 31, 1925.

Coca-Cola Company, The, Atlanta, Ga. Tonic beverages and sirups for manufacturing same. 47,189; renewed Oct. 31, 1925.

Cohen, Weenen & Co., London, England. Smoking tobacco. 199,624; June 16; Serial No. 201,128; published Mar. 31, 1925.

Cole, Benj., Jr. & Co., Boston, Mass. Canned vegetables. 199,592; June 16; Serial No. 194,395; published July 1, 1924.

Columbia Bag & Paper Corporation, Long Island City, N. Y. Paper bags. 199,877–8; June 16; Serial Nos. 209,333–4; published Apr. 7, 1925.

Columbia Bag & Paper Corporation, Long Island City, N. Y. Paper bags. 199,879; June 16; Serial No. 209,331; published Apr. 7, 1925.

Columbia Food Products Co. Inc., Newark, N. J. Pie and cream fillings and jelly powder. 199,740; June 16; Serial No. 207,709; published Apr. 7, 1925.

Comiskey, Richard M., Quincy, Ill. Clothes-washing-machine cylinders. 199,600; June 16; Serial No. 186,978; published Jan. 20, 1925.

Connecticut Chemical & Disinfectant Co., New Haven, Conn. Insecticide. 199,876; June 16; Serial No. 209,335; published Mar. 24, 1925.

Consolidated Shipbuilding Corporation. (See Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated.)

Corona Pen Company, Janesville, Wis. Fountain pens. 199,808; June 16; Serial No. 173,810; published Mar. 31, 1925.

Cottam, H. T., & Company, Inc., New Orleans, La. Sirups for food purposes. 199,759; June 16; Serial No. 208,572; published Apr. 7, 1925.

Coty, Inc., Wilmington, Del., and New York, N. Y. Perfumes, toilet water, face powder, and rouge. 199,776; June 16; Serial No. 208,226; published Mar. 31, 1925.

Crandall Packing Company, Palmyra, N. Y. Gauge glasses. 199,883; June 16; Serial No. 209,206; published Apr. 7, 1925.

Croswordo Company, The, Washington, D. C. Game. 199,712; June 16; Serial No. 209,078; published Apr. 7, 1925.

Cupples, Samuel Envelope Co., St. Louis, Mo., and New York, N. Y.; Samuel Cupples Envelope Co., St. Louis, Mo. Envelopes. 45,889; renewed Aug. 29, 1925.

Curtis Bay Copper & Iron Works, Baltimore and Curtis Bay, Md. Core binders, washes, and adhesives. 199,637; June 16; Serial No. 199,043; published Mar. 31, 1925.

Cuyler Packing Corp., The, Modeltown, N. Y. Canned vegetables. 199,633; June 16; Serial No. 204,997; published Mar. 31, 1925.

Dalrymple-Dudley Co., The, Haverhill, Mass. Shoe ornaments, buckles, buttons, etc. 199,634; June 16; Serial No. 206,155; published Mar. 17, 1925.

Danforth, Walter P., Augusta, Ga. Cigars. 199,627; June 16; Serial No. 208,796; published Apr. 7, 1925.

Defiance Sales Corporation, New York, N. Y. Articles of stationery. 199,596; June 16; Serial No. 189,662; published Mar. 17, 1925.

De Poe, Maryon, Inc., New York, N. Y. Perfumes and toilet waters. 199,854; June 16; Serial No. 209,736; published Apr. 7, 1925.

Delano, Potter & Co., Inc., Boston, Mass. Tea and coffee. 199,608; June 16; Serial No. 209,122; published Mar. 24, 1925.

Delite Products Co., Long Beach, Calif. Oil, grease, tar, and dirt remover and cleaner. 199,649; June 16; Serial No. 208,861; published Mar. 31, 1925.

Delluc, August, doing business as August Delluc & Co., New York, N. Y. Olive oil. 199,886; June 16; Serial No. 206,644; published Mar. 31, 1925.

Dietz, R. E., Company, New York, N. Y. Glass globes for lanterns. 199,694; June 16; Serial No. 191,757; published Mar. 31, 1925.

Douglas, Edwin B., Chicago, Ill. Antiseptic, astringent, and deodorizing solution for the mouth and throat. 199,843; June 16; Serial No. 209,566; published Apr. 7, 1925.

Duane Remedies Corporation, New York, N. Y. Medicinal plasters. 199,720; June 16; Serial No. 208,183; published Mar. 31, 1925.

Dumore Products Co., South Bend, Ind. Preventive and treatment of pyorrhea, sore throat, etc. 199,872; June 16; Serial No. 209,466; published Mar. 24, 1925.

Duplex Printing Press Co., Battle Creek, Mich. Web perfecting flat-bed presses. 47,179; renewed Oct. 31, 1925.

Dvilnsky, Abraham, doing business as The Geo. Merritt Shoe Co., Brockton, Mass. Shoes. 199,702; June 16; Serial No. 208,963; published Mar. 31, 1925.

E. R. V. Manufacturing Company, Detroit, Mich. Diagnosing instrument for the determination of heat dissipation from the body. 199,748; June 16; Serial No. 207,346; published Mar. 31, 1925.

Eagle, J. H. & C. K., Inc., Shamokin, Pa., and New York, N. Y. Silk or silk-mixture textiles. 199,722; June 16; Serial No. 208,130; published Mar. 31, 1925.

Eagle Piece Dye Works, Paterson, N. J. Textile fabrics—namely, silk, silk and cotton, silk and wool, etc. 199,791; June 16; Serial No. 204,590; published Apr. 7, 1925.

Eesti Tikutööstus "Lendra," A/S, Reval, Esthonia. Matches. 199,710–11; June 16; Serial Nos. 209,080–1; published Mar. 31, 1925.

Emery & Beers Company, Inc., assignor to Onyx Hosiery Inc., New York, N. Y. Hosiery. 199,805; June 16; Serial No. 171,122; published Oct. 30, 1923.

Endel & Feiss, New York, N. Y. Straw hats for men. 199,835; June 16; Serial No. 208,747; published Mar. 31, 1925.

Eugene Fruit Growers Association, Eugene, Oreg. Canned fruits, berries, and vegetables. 199,629; June 16; Serial No. 208,798; published Mar. 31, 1925.

Farrington, G. B., Company, The, New York, N. Y. Teas. 199,620; June 16; Serial No. 199,934; published Mar. 31, 1925.

Felton & Co., Boston, assignor to Felton & Son, Inc., South Boston, Mass. Rum. 46,829; renewed Oct. 10, 1925.

Filmoff Company. (See Waddell, W. Harvey.)

Fold-O-Phone Mfg. Co. (See Carasso, Albert.)

Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 199,845; June 16; Serial No. 209,634; published Apr. 7, 1925.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels and napkins, etc. 199,846–9; June 16; Serial Nos. 209,641–4; published Mar. 31, 1925.

Fort Howard Paper Company, Green Bay, Wis. Toilet paper, paper towels and napkins, etc. 199,850; June 16; Serial No. 209,646; published Mar. 31, 1925.

Foster Honey and Mercantile Co., The, doing business as The Foster Honey Co., Boulder, Colo. Candy. 199,641; June 16; Serial No. 200,677; published Apr. 7, 1925.

France, Peter A. & Co., Inc., New York, N. Y. Tool steel. 199,814; June 16; Serial No. 186,360; published Nov. 27, 1923.

Frictionless Metal Company, Richmond, Va., to Frictionless Metal Company, St. Louis, Mo. Bearing metal. 46,238–9; renewed Sept. 12, 1925.

Futterman, Joseph, doing business as Perkins Chemical Co. Laxative medicine. 199,638; June 16; Serial No. 198,583; published Mar. 31, 1925.

Gandy Belting Company, The, Baltimore, Md. Belting for power transmission. 44,609–11; renewed July 18, 1925.

Gandy Belting Company, The, Baltimore, Md. Belting for power transmission. 46,111–12; renewed Sept. 5, 1925.

Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated; Consolidated Shipbuilding Corp., New York, N. Y., successors. Marine engines. 47,360; renewed Oct. 31, 1925.

Goldstein Bros., Brooklyn, N. Y. Men's hats. 199,626; June 16; Serial No. 208,808; published Mar. 31, 1925.

Goodyear Tire and Rubber Company, The, Akron, Ohio. Rubber vehicle tires. 46,530–3; renewed Sept. 26, 1925.

Graef & Schmidt, Inc., New York, N. Y. Razors. 199,739; June 16; Serial No. 207,737; published Mar. 31, 1925.

Graver Corporation, East Chicago, Ind. Steel tanks. 199,856; June 16; Serial No. 209,786; published Apr. 7, 1925.

Graves, J. J., doing business as Oak Shadows Farms, San Francisco, Calif. Fresh deciduous fruits, fresh grapes and citrous fruits, melons, and eggs, and dressed poultry. 199,767; June 16; Serial No. 206,394; published Apr. 7, 1925.

Grinsfelder, Jos., & Sons, Inc., Baltimore, Md. Silks ribbons, and silk and cotton mixtures in the piece. 199,807; June 16; Serial No. 173,352; published Nov. 4, 1924.

Grover's J. J., Sons Company, Lynn, Mass. Women's misses', and children's shoes. 199,887; June 16; Serial No. 206,651; published Mar. 31, 1925.

Grubenholz-Imprägnierung G. m. b. H., Charlottenburg, Germany. Pitch and tar. 199,646; June 16; Serial No. 199,475; published Apr. 7, 1925.

Guaranteed Products Corporation, New York, N. Y. Shampoo. 199,857; June 16; Serial No. 209,787; published Apr. 7, 1925.

Gumport, J. I., and Sons, Inc., New York, N. Y. Cravats, four-in-hand ties, and bow ties. 199,795; June 16; Serial No. 204,257; published Mar. 24, 1925.

Haag, Alfred H., Philadelphia, Pa. Combination cabinets for radio receiving and talking machines. 199,622; June 16; Serial No. 200,718; published Mar. 17, 1925.

Hammond, G. H., Company, Chicago, Ill. Sausage. 199,789; June 16; Serial No. 204,768; published Mar. 31, 1925.

Happiness Publishing Company, Chicago, Ill. Title of monthly magazine. 199,792; June 16; Serial No. 204,553; published Feb. 17, 1925.

Harnischfeger Corporation, Milwaukee, Wis. Electric traveling cranes, hoists, etc. 199,703; June 16; Serial No. 208,981; published Mar. 31, 1925.

Harnish, Rudolph H., doing business as Harnish Products Co., (Not Incorporated), Chicago, Ill. Cleaning and polishing fluid for use on automobiles, etc. 199,587; June 16; Serial No. 198,136; published Mar. 24, 1925.

Hartman, Samuel B.; The Peruna Company, Columbus, Ohio, successor. Tonic medicines. 26,593; renewed May 28, 1925.

Hartman, Samuel B.; The Peruna Company, Columbus, Ohio, successor. Medicine for the blood. 26,594; renewed May 28, 1925.

Hartman, Samuel B.; The Peruna Company, Columbus, Ohio, successor. Laxative medicines. 26,595; renewed May 28, 1925.

Hawley & Hoops, New York, N. Y. Candy. 199,683; June 16; Serial No. 202,210; published Nov. 18, 1924.

Heberlein & Co., A. G., Rietwies, Wattwil, Switzerland. Fabrics and embroideries in the piece. 199,787; June 16; Serial No. 207,740; published Mar. 31, 1925.

Heberlein & Co., A. G., Rietwies, Wattwil, Switzerland. Yarns of cotton, wool, linen, etc. 199,788; June 16; Serial No. 207,739; published Mar. 31, 1925.

Hendrikx, William, College Point, N. Y. Tobacco pipes, cigar and cigarette holders. 199,664; June 16; Serial No. 206,524; published Apr. 7, 1925.

Hershey Brothers, Pittsburgh, Pa. Chocolate and cocoa products. 199,656; June 16; Serial No. 201,668; published Nov. 18, 1924.

Hillyard, Newton S., doing business as Hillyard Chemical Company, St. Joseph, Mo. Furniture-cleaning compound with incidental polishing properties. 199,628; June 16; Serial No. 208,629; published Mar. 17, 1925.

Hladky, Frank M., doing business as Ko-Ko Health Laboratory, Cleveland, Ohio. Liniment, laxative salts headache powders, etc. 199,686; June 16; Serial No 193,834; published Oct. 31, 1923.

Hoffman, Adam, Company, The, Cleveland, Ohio. Candy. 199,762; June 16; Serial No. 208,545; published Mar. 31, 1925.

Home Remedy & Supply Co., York, Pa. Remedy for certain named disease. 47,488; renewed Nov. 7, 1925.

Hormats, Abraham I., doing business as K & P Products Co., Baltimore, Md. Potato chips and mayonnaise salad dressing. 199,784; June 16; Serial No. 205,068; published Mar. 31, 1925.

Houbigant, Inc., New York, N. Y. Perfumes and toilet waters. 199,663; June 16; Serial No. 206,525; published Mar. 31, 1925.

Hueber, Frank A., Los Angeles, Calif. Solid fuels. 199,672; June 16; Serial No. 206,117; published Mar. 17, 1925.

Icy-Hot Bottle Company, The, assignor to The Icy-Hot Bottle Company, Cincinnati, Ohio. Paper napkins, doilies, and tablecloths. 199,902; June 16; Serial No. 167,689; published Mar. 31, 1925.

Industrial Dryer Corporation, The, Stamford, Conn. Machinery for conditioning materials and machinery for drying materials. 199,707; June 16; Serial No. 209,127; published Mar. 31, 1925.

Ingersoll, Robt. H. & Bro., New York, N. Y., assignor to Waterbury Clock Company, Waterbury, Conn. Watches and clocks. 44,586; renewed July 11, 1925.

International Paper Company, New York, N. Y. Envelope paper. 199,723; June 16; Serial No. 208,101; published Mar. 31, 1925.

International Shoe Company. (See Peters Shoe Co., assignor.)

Interstate Wholesale Grocers, Inc., New Orleans, La. Canned vegetables, fruit jelly, and preserved fruit. 199,758; June 16; Serial No. 208,593; published Mar. 31, 1925.

Ipswich Mills, Boston, Mass. Hosiery. 199,595; June 16; Serial No. 191,625; published Mar. 31, 1925.

Jacobson, Isaac E., doing business as Jacobson Sons Co., Portsmouth, Va. Hose. 199,609; June 16; Serial No. 209,087; published Mar. 24, 1925.

Jaeger, Melanie F., doing business as Physicians Supplies, New York, N. Y. Cleansing and massage cream. 199,782; June 16; Serial No. 207,871; published Mar. 24, 1925.

Jaffe & Seakwood, New York, N. Y. Hats and caps for children and women. 199,635; June 16; Serial No. 206,167; published Mar. 17, 1925.

Johnston, Robert A., Company, Milwaukee, Wis. Candy. 199,623; June 16; Serial No. 200,765; published Nov. 4, 1924.

Jones Brothers, Limited, Manchester, England. Untreated textile polishing cloths and dusters. 199,816; June 16; Serial No. 188,372; published Apr. 7, 1925.

K & P Products Co. (See Hormats, Abraham I.)

Kaplan, Harold, Brooklyn, N. Y. Laxative. 199,747; June 16; Serial No. 207,356; published Apr. 7, 1925.

Kastor, Adolph, & Bros., New York, N. Y. Razors. 47,240; renewed Oct. 31, 1925.

Keene-Belvidere Canning Company, Belvidere, Ill. Canned peas and corn. 199,619; June 16; Serial No. 199,360; published Sept. 30, 1924.

Kellogg Products, Inc., Buffalo, N. Y. Mayonnaise and Thousand Island salad dressings, sandwich spread, and olive mayonnaise. 199,643; June 16; Serial No. 199,942; published Mar. 31, 1925.

Kelly Coal & Material Co., Springfield, Mo. Coal. 199,888; June 16; Serial No. 208,658; published Mar. 31, 1925.

Keystone Hair Insulator Company, Allegheny, Pa.; Keystone Hair Insulator Company, Pittsburgh, Pa., and New York, N. Y. Linings of insulating material. 46,833–5; renewed Sept. 12, 1925.

Keystone Hair Insulator Company, Allegheny, Pa.; Keystone Hair Insulater Company, Pittsburgh, Pa., and New York, N. Y. Linings of insulating material. 46,837; renewed Sept. 12, 1925.

King Bun Company, Dallas, Tex. Toasted sandwiches. 199,756; June 16; Serial No. 206,672; published Apr. 7, 1925.

King, John, & Son, Glasgow, Scotland. Cotton piece goods. 199,630; June 16; Serial No. 201,145; published Apr. 7, 1925.

Kinne, Harry L., New York, N. Y., and Philadelphia, Pa. Infants' socks or half hose. 199,613; June 16; Serial No. 208,989; published Mar. 24, 1925.

Kleendry Corporation, Los Angeles, Calif. Dishwashing machines. 199,724; June 16; Serial No. 208,055; published Mar. 31, 1925.

Klein Chocolate Company, Inc., Elizabethtown, Pa. Milk chocolate nut bar. 199,604; June 16; Serial No. 209,224; published Mar. 24, 1925.

Kronschnabel, George, doing business as Superior Auto Co., Oakland, Calif. Automobile enamel. 199,650; June 16; Serial No. 202,828; published Mar. 31, 1925.

Kurfees, James F., Paint Co.; J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., successor. Stains, fillers, and varnishes. 46,516; renewed Sept. 26, 1925.

Lacko Specialty Co., Inc., San Francisco, Calif. Spray for sterilizing, disinfecting, etc. 199,772; June 16; Serial No. 208,299; published Apr. 7, 1925.

Laird, Schober & Company, Philadelphia, Pa. Ladies', misses' and children's boots, shoes, and slippers. 199,874; June 16; Serial No. 209,412; published Mar. 31, 1925.

Lambrose, L., & Company, Inc., Brooklyn, N. Y. Macaroni. 199,836–7; June 16; Serial Nos. 208,710–11; published Mar. 31, 1925.

La Montagne Brothers, Inc., New York, N. Y. Olive oil. 199,889; June 16; Serial No. 208,661; published Mar. 31, 1925.

"La Rosario" (S. A. Company Limited), Santander, Spain. Shaving and toilet soaps. 199,652; June 16; Serial No. 202,899; published Mar. 31, 1925.

Lauber, Carl F., Philadelphia, Pa. Bitters. 47,488; renewed Nov. 7, 1925.

Lauber, Carl F., Philadelphia, Pa. Whisky. 47,561; renewed Nov. 14, 1925.

Lauber, Carl F., Philadelphia, Pa. Still and sparkling wines. 47,606; renewed Nov. 14, 1925.

Lawrence, C. Harland, Taunton, Mass. Flannel piece goods and knitted fabric made from yarn. 199,729; June 16; Serial No. 207,938; published Apr. 7, 1925.

Lehigh Valley Coal Sales Company, New York, N. Y. Coal. 199,765; June 16; Serial No. 208,469; published Mar. 31, 1925.

Lessenhope, G. F., & Sons, Inc., Lincoln, Nebr. Scrubbing powders. 199,603; June 16; Serial No. 170,331; published Mar. 17, 1925.

Lewis, Samuel, New York, N. Y. Sanitary can for soiled clothes. 199,882; June 16; Serial No. 209,304; published Apr. 7, 1925.

Liebovits, S., & Sons, Inc., New York, N. Y. Shirts and pyjamas. 199,700; June 16; Serial No. 208,918; published Mar. 17, 1925.

Linebarger, Charles E., doing business as The Chaslyn Company, Chicago, Ill. Hydrometers. 199,662; June 16; Serial No. 206,532; published Mar. 31, 1925.

Lithowhite Silex Co., The. (See Bridgeport Wood Finishing Co.)

Log Cabin Products Company, The. (See Towle Syrup Company, assignor.)

Lorton, Frank D., doing business as Certified Laboratories, St. Louis, Mo. Biscuit used as a vermicide for hogs. 199,719; June 16; Serial No. 208,204; published Mar. 31, 1925.

Los Angeles Barber Supply Co. Inc., Los Angeles, Calif. Toilet water, scalp pomade, peroxide of hydrogen, etc. 199,838; June 16; Serial No. 209,483; published Apr. 7, 1925.

Lothrop, Lee & Shepard Company, Boston, Mass. Books. 47,427; renewed Nov. 7, 1925.

Macy, R. H., & Co., Inc., New York, N. Y. Ribbons in the piece. 199,685; June 16; Serial No. 194,553; published Apr. 7, 1925.

Make-Ur-Own Mfg. Company. (See Peles, William.)

Marine Products, Incorporated, New Orleans, La. Canned shrimp. 199,696; June 16; Serial No. 190,262; published Apr. 7, 1925.

Markwell Manufacturing Co., Inc., New York, N. Y. Label glue, glue for sealing cartons, and silicate of soda for adhesive purposes. 199,753; June 16; Serial No. 206,796; published Apr. 7, 1925.

Markwell Manufacturing Co., Inc., New York, N. Y. Metal eyelets and washers, hamper and meat hooks, meat skewers, etc. 199,754; June 16; Serial No. 206,792; published Apr. 7, 1925.

Marsden, J. E., Glass Works, Inc., Ambler, Pa. Household glassware, glass trays, etc. 199,890; June 16; Serial No. 208,667; published Mar. 31, 1925.

Martin Drug Store, The, Loraine, Tex. Lung tonic. 199,875; June 16; Serial No. 209,359; published Mar. 24, 1925.

Matlock, William A., St. Louis, Mo. Hair preparation. 199,721; June 16; Serial No. 208,154; published Mar. 31, 1925.

Maury-Cole Company, Memphis, Tenn. Fly killer and insecticide. 199,873; June 16; Serial No. 209,422; published Mar. 24, 1925.

Maywood, Charles G., Albion, Mich. Medicine and pharmaceutical preparations for inflammation of the eyes, nose, throat, and bronchial tubes. 199,655; June 16; Serial No. 201,710; published Mar. 31, 1925.

McCord-Stewart Co., Atlanta, Ga. Coffee. 199,751; June 16; Serial No. 207,088; published Mar. 31, 1925.

McGrew, William E., doing business as McGrew Paint Manufacturing Company, Los Angeles, Calif. Paints, enamels, stains, flat white, varnishes, japans, and colors in oil. 199,584; June 16; Serial No. 198,658; published Mar. 31, 1925.

McLaughlin, Frank A., New York, N. Y. Gloves, coats, and suits, etc. 199,636; June 16; Serial No. 205,345; published Mar. 31, 1925.

McLaurin-Jones Co., Brookfield, Mass. Surface-coated papers used for magazine and book covers. 199,750; June 16; Serial No. 207,197; published Mar. 31, 1925.

Mercadante, Joseph, New York, N. Y. Electrical refrigerating machine. 199,654; June 16; Serial No. 201,711; published Mar. 31, 1925.

Merritt, Geo., Shoe Co., The. (See Dvilnsky, Abraham.)

Metro Stations, Inc., Olean, N. Y. Gasoline, motor-lubricating oil, kerosene, and fuel oil. 199,680; June 16; Serial No. 196,749; published Dec. 2, 1924.

Meyer, Samuel, Uccle, Brussels, Belgium. Reckoning and adding machines. 199,670; June 16; Serial No. 206,323. published Mar. 31, 1925.

Mikesell, Otho F., Lima, Ohio. Motor oils. 199,668; June 16; Serial No. 206,421; published Mar. 31, 1925.

Millar, E. B., & Co., Chicago, Ill. Uncolored Japan tea. 47,146; renewed Oct. 31, 1925.

Mills, James, Orchards Corporation, Hamilton City and Maxwell, Calif. Dried fruits and fresh pears. 199,757; June 16; Serial No. 208,599; published Mar. 31, 1925.

Mills, James, Orchards Corporation, Hamilton City and Maxwell, Calif. Fresh lemons. 199,766; June 16; Serial No. 208,414; published Mar. 31, 1925.

Monomac Spinning Company, Boston, Mass. Fabrics made of yarns of wool and silk. 199,881; June 16; Serial No. 209,308; published Apr. 7, 1925.

Morana Incorporated, New York, N. Y. Aromatic compounds for perfumery purposes. 199,867; June 16; Serial No. 210,130; published Apr. 7, 1925.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation for nervous disorders. 199,868; June 16; Serial No. 210,131; published Apr. 7, 1925.

Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Hair tonic. 199,869; June 16; Serial No. 210,132; published Apr. 7, 1925.

Musher, Albert, doing business as Musher and Company, Washington, D. C. Alimentary pastes. 199,781; June 16; Serial No. 205,282; published Mar. 31, 1925.

Nathan, Joseph, & Company, Limited, London, England. Cod-liver-oil extract. 199,871; June 16; Serial No. 210,180; published Apr. 7, 1925.

National Broom Manufacturing Co., Pueblo, Colo. Brooms. 199,851; June 16; Serial No. 209,679; published Apr. 7, 1925.

National Fabric and Finishing Company, Boston, Mass. Cotton piece goods and other textile fabrics. 199,783; June 16; Serial No. 205,126; published Mar. 10, 1925.

Naylor, Ford, Inc., New York, N. Y. Wool cloth for suits, overcoats, and wearing apparel. 199,706; June 16; Serial No. 209,173; published Apr. 7, 1925.

Nellis, F. E., & Company, Chicago, Ill. Fresh apples, cantaloupes, oranges, etc. 199,616; June 16; Serial No. 169,555; published Sept. 30, 1924.

Nelson, Semion S., doing business as The Nelson Company, Hartford, Conn. Ointment for neuritis, neuralgia, lumbago, etc. 199,834; June 16; Serial No. 208,772; published Apr. 7, 1925.

Neven, Julius O. B., Brooklyn, N. Y. Preparation for treatment of chapped hands and lips, etc. 199,746; June 16; Serial No. 207,898; published Mar. 24, 1925.

Newell, Geo. R., & Co., Minneapolis, Minn. Roasted coffee. 199,588; June 16; Serial No. 198,609; published Sept. 30, 1924.

New Rochelle Coal & Lumber Co., New Rochelle, N. Y. Nails. 199,651; June 16; Serial No. 202,515; published Mar. 31, 1925.

New York Consolidated Card Company, The, New York, N. Y. Playing cards. 46,881; renewed Oct. 10, 1925.

New York Insulated Wire Company, New York, N. Y. Adhesive tapes. 47,119; renewed Oct. 24, 1925.

Nicholson File Company, Providence, R. I. Files and rasps. 47,233; renewed Oct. 31, 1925.

Northam Warren Corporation, New York, N. Y. Manicure sets. 199,705; June 16; Serial No. 209,186; published Apr. 7, 1925.

Notovitz, J., Inc., Chicago, Ill. Rouges, face powders, and lip sticks. 199,749; June 16; Serial No. 207,254; published Mar. 24, 1925.

Novelty Products, Inc., Chicago, Ill. Pastry service shells. 199,667; June 16; Serial No. 206,430; published Mar. 31, 1925.

Nunnally Company, The, Atlanta, Ga. Candy. 199,591; June 16; Serial No. 195,456; published July 1, 1924.

Oak Shadows Farms. (See Graves, J. J.)

Oakley, Richard H., doing business as Oakley Paint Manufacturing Company, Los Angeles, Calif. Mixed paints. 199,621; June 16; Serial No. 200,636; published Dec. 30, 1924.

Oepping, Frederick K., doing business as The Pyramide Company, St. Louis, Mo. Pessaries, double-action syringes, etc. 199,790; June 16; Serial No. 204,720; published Mar. 31, 1925.

Oil Conservation Engineering Company, The, Cleveland, Ohio. Fire extinguishers and swing-pipe winches and cable guides. 199,684; June 16; Serial No. 195,181; published Mar. 31, 1925.

Oil Conservation Engineering Company, The, Cleveland, Ohio. Gauge and thief holes for oil tanks, oil-still safety valves, etc. 199,815; June 16; Serial No. 188,130; published Mar. 31, 1925.

Olmsted, Leon A., doing business as United States Athletic Company, Chicago, Ill. Striking bag, racket cover, balls, etc. 199,803; June 16; Serial No. 170,667; published Apr. 7, 1925.

Olmsted, Leon A., doing business as United States Athletic Company, Chicago, Ill. Warming pads, medical coils, and massage vibrators. 199,804; June 16; Serial No. 170,669; published Mar. 31, 1925.

Olsen, Alfred, & Co., A/S, Copenhagen, Denmark. Mineral and vegetable lubricating oils. 199,673; June 16; Serial No. 206,022; published Mar. 17, 1925.

Onyx Hosiery Inc. (See Emery & Beers Company, assignor.)

Oppenheimer, M. H., & Co., Inc., New York, N. Y. Cotton piece goods. 199,860; June 16; Serial No. 209,866; published Apr. 7, 1925.

Optical Products Corporation, New York, N. Y. Frames, rims, nose pieces for eyeglasses, etc. 199,730; June 16; Serial No. 207,880; published Mar. 31, 1925.

Osakeyhtio Savo, Kuopio, Finland. Matches. 199,731; June 16; Serial No. 207,883; published Mar. 31, 1925.

Ostino, Giuseppe, doing business as Ostino & Bertagna, Chieri, Italy. Blankets and spreads. 199,687; June 16; Serial No. 193,675; published Sept. 30, 1924.

Pacific Orient Company, San Francisco, Calif. Chinese textile and grass rugs, bamboo mats, and laces in the piece. 199,736; June 16; Serial No. 207,755; published Apr. 7, 1925.

Paige Hat Co., Inc., New York, N. Y. Women's hats. 199,735; June 16; Serial No. 207,756; published Mar. 31, 1925.

Pathé Chemical Company, Brooklyn, N. Y. Moth-repellent compounds for treatment of textile fabrics. 199,697; June 16; Serial No. 208,865; published Apr. 7, 1925.

Paulson Medicinal Well Co., Saratoga, Wyo. Mineral water. 199,779; June 16; Serial No. 205,853; published Mar. 31, 1925.

Pearson, E. N., Corporation, The, New York, N. Y. Protein product for nursing mothers. 199,832; June 16; Serial No. 208,774; published Apr. 7, 1925.

Peck, Stow & Wilcox Company, The, Southington, Conn. Chisels. 199,708–9; June 16; Serial Nos. 209,104–5; published Mar. 31, 1925.

Peles, William, doing business as Make-Ur-Own Mfg. Company, Beacon, N. Y. Cross-word-puzzle games. 199,858; June 16; Serial No. 209,810; published Apr. 7, 1925.

Penn Rivet Corporation, Philadelphia, Pa. Narrow-elastic webs. 199,597; June 16; Serial No. 189,580; published Mar. 31, 1925.

Perkins Chemical Co. (See Futterman, Joseph.)

Peruna Company, The. (See Hartman, Samuel B.)

Peters Shoe Co., assignor to International Shoe Company, St. Louis, Mo. Leather shoes. 44,865–6; renewed July 25, 1925.

Peters Shoe Co., assignor to International Shoe Company, St. Louis, Mo. Leather shoes. 44,868; renewed July 25, 1925.

Peters Shoe Co., assignor to International Shoe Company, St. Louis, Mo. Leather shoes. 46,043; renewed Sept. 5, 1925.

Physicians supplies. (See Jaeger, Melaine F.)

Piedmont Mills, Inc., Lynchburg, Va. Wheat flour. 44,378; renewed July 4, 1925.

Pierre Lemoine et Cie., Inc., New York, N. Y. Essential and flower oil compounds thereof. 199,659–60; June 16; Serial Nos. 206,539–40; published Apr. 7, 1925.

Pikeville Canning & Preserving Company, Pikeville, Tenn. Canned fruits and vegetables and jam. 199,614; June 16; Serial No. 206,927; published Mar. 24, 1925.

Pinnix, Elizabeth C., doing business as Madam Elizabeth C. Pinnix, Burlington, N. C. Hair grower and compound. 199,657; June 16; Serial No. 208,591; published Mar. 24, 1925.

Pioneer Fruit Company, The, San Francisco, Calif. Fresh deciduous fruits and grapes. 199,716; June 16; Serial No. 208,608; published Mar. 31, 1925.

Poldi Steel Corporation of America, New York, N. Y. Steel billets, bars, forgings, and disks. 199,798; June 16; Serial No. 146,390; published Apr. 1, 1924.

Poldi Steel Corporation of America, New York, N. Y. Steel billets, bars, forgings, and disks. 199,799; June 16; Serial No. 146,395; published Apr. 1, 1924.

Potter Knitting Company, Springfield, Mass. Shirts, union suits, hosiery, and infants' wrappers. 199,632; June 16; Serial No. 204,868; Mar. 31, 1925.

Potter, W. N., & Sons, Greenfield, Mass. Grass seed. 199,824–5; June 16; Serial Nos. 208,823–4; published Apr. 7, 1925.

Preservaline Manufacturing Company, The, New York; The Preservaline Manufacturing Company, Brooklyn, N. Y. Chemical compound. 47,289; renewed Oct. 31, 1925.

Preservaline Manufacturing Company, The, New York to The Preservaline Manufacturing Company, Brooklyn, N. Y. Chemical compound. 47,250–1; renewed Oct. 31, 1925.

Procter and Gamble Company, The, Cincinnati, Ohio. Deodorized vegetable stearine. 199,771; June 16; Serial No. 206,312; published Apr. 7, 1925.

Pyramide Company, The. (See Oepping, Frederick K.)

Ransom Concrete Machinery Company, Dunellen Borough, N. J. Apparatus for distributing loose or fluent solid materials. 199,782; June 16; Serial No. 205,138; published Mar. 31, 1925.

Ray Manufacturing Company. (See Baller, Harry.)

Reflector & Illuminating Co., Chicago, Ill. Glass reflectors. 199,704; June 16; Serial No. 208,998; published Apr. 7, 1925.

Reliance Manufacturing Company, Chicago, Ill. Work shirts. 199,585; June 16; Serial No. 198,537; published Mar. 31, 1925.

Republic International Corporation, Port Washington, N. Y. Ointment. 199,823; June 16; Serial No. 208,826; published Apr. 7, 1925.

Ribas, A. M., Sagua la Grande, Cuba. Mechanic's soap. 199,601; June 16; Serial No. 180,811; published June 3, 1924.

Richardson, J. N., Sons & Owden Ltd., Belfast, Ireland, and New York, N. Y. Damask. 47,362; renewed Oct. 31, 1925.

Rosenberg Bros. & Co., San Francisco, Calif. Rice. 199,695; June 16; Serial No. 190,980; published Mar. 17, 1925.

Roure-Bertrand Fils, Inc., New York, N. Y. Flower oils, flower essences, and flower extracts. 199,698; June 16; Serial No. 208,871; published Apr. 7, 1923.

Ruberoid Co., The. (See Standard Paint Co., assignor.)

Sal-Oris Chemical Co., Minneapolis, Minn. Powder mouth wash. 199,863; June 16; Serial No. 210,013; published Apr. 7, 1925.

Scholl Manufacturing Company, Inc., Chicago, Ill. Shoes, boots, and slippers. 199,617; June 16; Serial No. 199,246; published Mar. 17, 1925.

Scientific Equipment Company. (See Tilleston, Clarence A.)

Scott, Mack M., doing business as Scott's Specialty Mfg. Co., Mansfield, Ohio. Washing compound. 199,599; June 16; Serial No. 187,135; published Mar. 17, 1925.

Seabury, Charles L., & Co. (See Gas Engine & Power Co. and Charles L. Seabury & Co., Consolidated.)

Shaft-Pierce Shoe Co., Faribault, Minn. Shoes. 199,701; June 16; Serial No. 208,980; published Mar. 17, 1925.

Shepard Point Packing Company, Seattle, Wash. Canned salmon. 199,842; June 16; Serial No. 209,550; published Mar. 31, 1925.

Simmons, C. F., Medicine Co. Incorporated, St. Louis, Mo. Preparations for treatment of diseases of the liver. 199,864–5; June 16; Serial Nos. 210,015–16; published Apr. 7, 1925.

Simmons Hardware Co., St. Louis, Mo. Axes. 47,375; renewed Oct. 31, 1925.

Smith, Mary S., New York, N. Y. Window curtains. 199,645; June 16; Serial No. 199,651; published Mar. 10, 1925.

Smith, S. A., Company, The, Gary, Ind. Canned goods. 199,602; June 16; Serial No. 179,335; published Jan. 8, 1924.

Société Anonyme C. F. Bally, Schoenenwerd, Switzerland. Boots and shoes. 199,640; June 16; Serial No. 200,733; published Mar. 10, 1925.

Société Anonyme des Anciens Établissements A Combe & Fils & Cie., Paris, France. Skins and leathers. 199,741; June 16; Serial No. 207,691; published Mar. 31, 1925.

Societe Rodier, Paris, France. Piece goods of wool, cotton, and silk and mixtures of the same. 199,658; June 16; Serial No. 206,546; published Apr. 7, 1925.

Solite Chemical Company, Oakland, Calif. Fluid preparations for cleaning woodwork, linoleum, porcelain, etc. 199,741; June 16; Serial No. 207,691; published Mar. 31, 1925.

Solomons, Harry, & Son, New York, N. Y. Ladies' hats. 199,715; June 16; Serial No. 208,618; published Mar. 31, 1925.

Southern Coal & Coke Company, Boothton, Ala. Coal. 199,699; June 16; Serial No. 208,879; published Apr. 7, 1925.

Southern Steel Company, San Antonio, Tex. Special steel for use in making jail cells. 199,787; June 16; Serial No. 204,873; published Mar. 31, 1925.

Sperry Candy Company, Milwaukee, Wis. Candies. 199,606; June 16; Serial No. 209,192; published Mar. 24, 1925.

Standard Oil Company, Whiting, Ind., and Chicago, Ill. Candles. 199,786; June 16; Serial No. 204,874; published Mar. 24, 1925.

Standard Paint Company, The, New York, N. Y., assignor to The Ruberoid Co., Bound Brook, N. J., and New York, N. Y. Case lining, sheathing, insulating and roofing papers. 47,089; renewed Oct. 24, 1925.

Standard Pyroxoloid Corporation, Leominster, Mass. Sheets, rods, and tubes of celluloid. 199,678; June 16; Serial No. 197,504; published Sept. 9, 1924.

Standard Underground Cable Company, Pittsburgh, Pa. Insulating compounds. 46,250; renewed Sept. 12, 1925.

Standish, John A., Washington, D. C. Preparation for treatment of pyorrhea and kindred diseases. 199,822; June 16; Serial No. 208,830; published Apr. 7, 1925.

Stover Company, Chicago, Ill. Lubricating oils. 199,714; June 16; Serial No. 208,831; published Mar. 31, 1925.

Strauss Bros. & Co., New York, N. Y. Handkerchiefs. 199,852; June 16; Serial No. 209,709; published Apr. 7, 1925.

Summers, Samuel L., Fort Washington, Pa. Medicinal compounds. 199,828–31; June 16; Serial Nos. 208,786–9; published Mar. 24, 1925.

Superior Auto Co. (See Kronschnabel, George.)

Sweets Company of America, Incorporated, The, New York, N. Y. Candy. 199,794; June 16; Serial No. 204,879; published Apr. 7, 1925.

Sylvania Shoe Company, Philadelphia, Pa. Shoes. 199,718; June 16; Serial No. 208,210; published Mar. 31, 1925.

Teeple Shoe Company, Waupun, Wis. Leather shoes. 199,725; June 16; Serial No. 208,025; published Mar. 31, 1925.

Teeple Shoe Company, Waupun, Wis. Shoes. 199,727; June 16; Serial No. 208,023; published Mar. 31, 1925.

Texas Company, The, Houston, Tex., and New York, N. Y. Kerosene, burning oil, and furnace oil. 199,745; June 16; Serial No. 207,415; published Mar. 17, 1925.

Thomas, Lake & Whiton, Inc., Boston, Mass. Cotton piece goods. 199,775; June 16; Serial No. 208,265; published Apr. 7, 1925.

Tilleston, Clarence A., doing business as Scientific Equipment Company, Ridgewood, N. J. Radio receiving sets and parts thereof. 199,681; June 16, 1925. Serial No. 196,555; published July 29, 1924.

Towle Mfg. Company, Newburyport, Mass. Table silverware. 47,551; renewed Nov. 7, 1925.

Towle Syrup Company, assignor to The Log Cabin Products Company, St. Paul, Minn. Sirups. 27,113; renewed Oct. 1, 1925.
Trabuld, N. P. & J., New York, N. Y. Woven cashmere and flannel scarfs. 199,610–11; June 16; Serial Nos. 209,065–6; published Mar. 24, 1925.
Traudt, Frank, assignor to Francis J. Traudt, St. Louis, Mo. Internal remedy for colic and cholera. 45,141; renewed Aug. 8, 1925.
Triangle Clothing Mfg. Co., St. Louis, Mo. Trousers. 199,797; June 16; Serial No. 181,454; published Jan. 24, 1922.
Tri State Pharmacy Co., Evansville, Ind. Medicinal tablet. 199,735; June 16; Serial No. 204,981; published Mar. 24, 1925.
Tutules, John, Stamford, Conn. Table game. 199,627; June 16; Serial No. 203,611; published Mar. 31, 1925.
Twinko Manufacturing Company, Inc., Monrovia, Calif. Brooms. 199,839; June 16; Serial No. 209,508; published Apr. 7, 1925.
Union Starch & Refining Company, Columbus, Ind. Corn sirup. 199,647; June 16; Serial No. 203,919; published Apr. 7, 1925.
Union Starch & Refining Company, Columbus, Ind. Table sirup. 199,648; June 16; Serial No. 203,914; published Apr. 7, 1925.
United States Athletic Company. (See Olmsted, Leon A.)
United States Smelting, Refining and Mining Company, Portland, Me., and Boston, Mass. Crude arsenic, white arsenic, and sodium arsenite solution. 199,821; June 16; Serial No. 208,835; published Mar. 24, 1925.
Unity Cotton Mills, La Grange, Ga. Filter fabrics made of cotton. 199,763; June 16; Serial No. 208,539; published Mar. 31, 1925.
Universal Clothing Manufacturers, Inc., Chicago, Ill. Clothing. 199,631; June 16; Serial No. 204,684; published Mar. 31, 1925.
Universal Theatres Concession Company, Chicago, Ill. Candy. 199,586; June 16; Serial No. 198,488; published Mar. 31, 1925.
Utica Knitting Co., Utica, N. Y. Knitted underwear for men and boys. 45,825; renewed Aug. 15, 1925.
Utica Knitting Company, Utica, N. Y. Knitted underwear. 46,652; renewed Sept. 26, 1925.
Verwiel, Adrian, Chicago, Ill. Cleaning compounds. 199,594; June 16; Serial No. 192,652; published Mar. 17, 1925.
Vetterlein Brothers Inc., Philadelphia, Pa. Cigars, cigarettes, and tobacco. 199,642; June 16; Serial No. 200,591; published Apr. 7, 1925.
Waddell, W. Harvey, doing business as Filmoff Company, Chicago, Ill. Preparation for cleaning the teeth, for removing film stains, etc. 199,683; June 16; Serial No. 195,925; published June 10, 1924.
Wall-Stitch Company, Inc., New York, N. Y. Pens and pencils. 199,589; June 16; Serial No. 196,093; published June 10, 1924.
Wanamaker, John, New York, New York, N. Y. Embroidered textile and textile fabrics. 199,674; June 16; Serial No. 205,846; published Mar. 31, 1925.
Wasco Manufacturing Co. Inc., New York, N. Y. Pipe fittings. 199,686; June 16; Serial No. 208,626; published Mar. 31, 1925.
Waterbury Clock Company. (See Ingersoll, Robt. H., & Bro., assignor.)
Wessman, Herbert D., Springfield, Mass. Checks. 199,774; June 16; Serial No. 208,269; published Mar. 31, 1925.
Whitcher, Frank W., assignor to Frank W. Whitcher Company, Boston, Mass. Pincers and pincer hammers. 47,209; renewed Oct. 31, 1925.
White Bros. & Crum Co., Lewiston, Idaho. Fresh apples and pears. 199,612; June 16; Serial No. 209,012; published Mar. 24, 1925.
White Goods Mfg. Co., Chicago, Ill. House and bath robes, night robes, pyjamas, knickers, etc. 199,778; June 16; Serial No. 205,381; published Feb. 3, 1925.
Wilde, Louis J., Los Angeles, Calif. Gasoline. 199,812; June 16; Seria No. 183,784; published Nov. 27, 1923.
Williams, C. U., & Son, Bloomington, Ill. Liquid-fuel-burning apparatus. 199,644; June 16; Serial No. 199,664; published Apr. 7, 1925.
Williams Seed Company, Inc., Norfolk, Va. Seeds and flower bulbs. 199,671; June 16; Serial No. 206,206; published Apr. 7, 1925.
Wróblewski, David, New York, N. Y. Medicinal preparation used as a tonic. 199,734; June 16; Serial No. 207,840; published Mar. 24, 1925.
Wunderle, Philip, Philadelphia, Pa. Candy. 47,206; renewed Oct. 31, 1925.
Yvette Co., New York, N. Y. Hair goods. 199,598; June 16; Serial No. 188,225; published Mar. 31, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Anglo-Yiddish Calendar Co., New York, N. Y. American Anglo-Yiddish Calendar. For Calendars. 28,793; June 16.
Ansco Photoproducts, Inc., Binghamton, N. Y. Speedex Ansco Film. For Photographic Films. 28,794; June 16.
Armand Company, The, doing business as Armand, Des Moines, Iowa. Choose Between These Two Delightful Armand Powders. For Face Powder. 28,795; June 16.
Beard, Florence N., doing business as Flor-ée, Cranford, N. J. La Baume Rose. For Hand and Face Lotion. 28,796; June 16.
Blair & Son Medicine Co., Sherman, Tex. Blair's No. 7 Herb Tonic. For Herb Tonic. 28,797; June 16.
Bryant, Lane, Inc., doing business as Lane Bryant, New York, N. Y. Stout-Arch Shoes. For Shoes. 28,798; June 16.
Brzoska, Frank L., doing business as Detroit Malt Extract Co., Dayton, Ohio. Detroits Original Stout. For Malt Extract. 29,799; June 16.
Cactus Products Company, Tucson, Ariz. Kactus Mellow. For Cactus Dessert and Cake Patties Filled with the Dessert. 28,800; June 16.
California Almond Confections Company. (See Prentiss, William, jr.)
California Metal Enameling Co., Los Angeles, Calif. Cameo. For Porcelain Enamel Products. 28,801; June 16.
Cardaras-Georgopoulos Co., Chicago, Ill. Bushy Hair Tonic. For Hair Tonic. 28,802; June 16.
Chemical Products Co. of America, Philadelphia, Pa. Whisk Cleans Everything Without Suds. For Cleansing Powder Prepared in Granular and Powdered Form. 28,803; June 16.
Cowan, C. M., & Company, Knoxville, Tenn. Cowan's Big 5 Laundry Blue. For Laundry Blue. 28,804; June 16.
Davis, Roger T., San Antonio, Tex. Nu-Platen. For Containers of Nu-Platen. 28,805; June 16.
Detroit Malt Extract Co. (See Brzoska, Frank L.)
Duane Remedies Corporation, New York, N. Y. Pain Cracker. For Medicinal Plasters. 28,806; June 16.
Eaton, C. B., Chemical Company, Fayette, Mo. L-B. For a Preparation for the Treatment of Mange. 28,807; June 16.
Edwards, Harmon, Berkeley, Calif. Golden Dip Salad Dressing. For Salad Dressing. 28,808; June 16.
Engler, Jacob, doing business as Miami & Miami Beach Sea Salt Company, Miami, Fla. Miami Sea Salt. For Sea Salt. 28,809; June 19.
Engstrum, Paul, Los Angeles, Calif. Duro. For Automobile Cleaner. 28,810; June 16.
Farmers Produce Company, Brawley, Calif. Delight. For Cantaloupes. 28,811; June 16.
Fishelev, H., & Co., Chicago, Ill. The Original Receiving Set. For Miniature Toilet Sets. 28,812; June 16.
Flor-ée. (See Beard, Florence N.)
Forbes, Jas. H., Tea & Coffee Co., St. Louis, Mo. Always Fresh. For Coffee. 28,813; June 16.
Gindick, Raymond H., Waukegan, Ill. Dr. Gindick's Tooth Brush Antiseptic. For Tooth Brush Cabinets. 28,814; June 16.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Iona Special Blend. For Coffee. 28,815; June 16.
Groveton Paper Company, Inc., Groveton, N. H. C-Printing Manila. For Paper. 28,816; June 16.
Hansel, Stanley F., doing business as S. F. Hansel Card Co., Chicago, Ill. Ski-Bow. For Playing Cards. 28,817. June 16.
Hunt, E. H., doing business as Hunt's Broom Factory, Xenia, Ohio. Red Haven. For Brooms. 28,818; June 16.
Imperial Perfumery and Barber's Supplies, Inc., New York, N. Y. Imperial Elixir. For Hair Tonics. 28,819; June 16.
Joggerst Manufacturing Company, Binghamton, N. Y. Children's Circus. For Rubber Stamps. 28,820; June 16.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. American Beauty. For Pasteurized Swiss Loaf Cheese. 28,821; June 16.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. American Beauty. For Pasteurised Pimento Loaf Cheese. 28,822; June 16.
Kahn's, E., Sons Company, The, Cincinnati, Ohio. American Beauty. For Pasteurised American Loaf Cheese. 28,823; June 16.
Kellogg Company, Battle Creek, Mich. 100% Bran. For Cereal Breakfast Food. 28,824; June 16.
Kinwit Co. Inc., New York, N. Y. Parrot Talkagraph. For Transcribing and Reproducing Disk Attachments. 28,825; June 16.
Kleckner, David, New York, N. Y. Kleckner's. For Pure Spanish Paprika. 28,826; June 16.
Lapidar Company. (See Maurer, Robert.)
Lorens, William H., Lodi, Calif. Vista Del Monte. For Grapes. 28,827; June 16.
Maurer, Robert, doing business as Lapidar Company, Chino, Calif. Herb Tea. For Herb Tea. 28,828; June 16.

Meister Candy Company, Cambridge, Wis. Dutch Lunch, A Meister Product, Made in the Country. For Candy Bars. 28,829; June 16.
Miami & Miami Beach Sea Salt Company. (See Engler, Jacob.)
Miller-Parrott Baking Co., Terre Haute and Evansville, Ind. Whole Wheat. For Bread. 28,830; June 16.
Monarch Laboratories, Inc., Chicago, Ill. Monarch Germ-A-Side. For Germicide. 28,831; June 16.
Mutual Orange Distributors, Redlands, Calif. Yucca. For Oranges. 28,832; June 16.
National Carbon Company, Inc., New York, N. Y. Columbia High Tension Radio "B" Battery. For Electric Batteries. 28,833; June 16.
Natural Farm Products Co., Philadelphia, Pa. Honey nut Weat. For Uncooked Breakfast Food. 28,834; June 16.
Orange Heights Fruit Association, Corona, Calif. Camel. For Fresh Oranges. 28,835; June 16.
Prentiss, William, jr., Long Beach, Calif. We thank you for the order that caused this box of thirty, ten cent packages of California Almond Tall4. For a Confection. 28,836; June 16.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. All Sweet Brand Almonds with the Skins On. For Packaged Almond Meats. 28,837; June 16.
Progress Paint Mfg. Co., Louisville, Ky. Paint. For House Paints, Floor Paints, Roof Paints, Varnish Stains, Enamels, Cement Paints and Paints in General. 28,838; June 16.
Schwob, Adolphe, Inc., New York, N. Y. Accuracy In Daintiness. For Wrist Watches. 28,839; June 16.
Schwob, Adolphe, Inc., New York, N. Y. On Time All The Time. For Watches. 28,840; June 16.
Scully, D. B., Syrup Co., Chicago, Ill. Lushus Fruit Perserves. For Perserves. 28,841; June 16.
Skidoo Company, The, Columbus, Ohio. Skidoo Creamy Cleanser. For Cleansing Paste. 28,842; June 16.
Stein A., & Company, Chicago, Ill. Hickory Shirred Elastic. For Elastic. 28,843; June 16.
Sutton & Alderman, Druggists, Chapel Hill, N. C. Bump Off For Sore Faces. For a Lotion. 28,844; June 16.
Tippett, J. Charles, San Francisco, Calif. J. Chas. Tippett's Cough, Croup & Hooping Cough Syrup. For Cough, Croup, and Whooping-Cough Sirup. 28,845; June 16.
Velvet Ink Co., Providence, R. I. The New Velvet Fountain Pen Ink. For Ink. 28,846; June 16.
West Indies Fruit Importing Co., Chicago, Ill. Minerva. For Fresh Pineapple. 28,847; June 16.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

B. V. D. Company, Inc., The, New York, N. Y. Look before you leap. For Athletic Underwear. 7,983; June 16.
B. V. D. Company, Inc., The, New York, N. Y. "Looking for the label" after you're sorry won't change it. to "B. V. D." For Athletic Underwear. 7,984; June 16.
B. V. D. Company, Inc., The, New York, N. Y. Be sure to see that it's "B. V. D." For Athletic Underwear. 7,985; June 16.
Babbitt Company, The, Philadelphia, Pa. Valuable Coupon entitling the holder to Babbitt's Famous "Three Bottle Special." For Perfume. 7,986; June 16.
Babbitt Company, The, Philadelphia, Pa. Free—Only One to a Person. For Perfume. 7,987; June 16.
Babbitt Company, The, Philadelphia, Pa. Fleur de Nuit. For Perfume. 7,988. June 16.
Babbitt Company, The, Philadelphia, Pa. Valuable Coupon—Another one of our big advertising features to better acquaint the women of America with Babbitt's Fleur de Nuit products. For Compacts. 7,989; June 16.
Babbitt Company, The, Philadelphia, Pa. The Babbitt Company, Inc.—Dear Customer: We know that you cannot help but be pleased with this, our "Three Bottle Special" Perfume. For Perfume. 7,990; June 16.
Babbitt Company, The, Philadelphia, Pa. Important Special Coupon For You. For Perfume. 7,991; June 16.
Babbitt Company, The, Philadelphia, Pa. The Babbitt Company, Inc.—Dear Customer: Many thanks for your order for "Fleur de Nuit" Double Compact. For Compacts. 7,992; June 16.
Bassick Manufacturing Company, The, Chicago, Ill. Every 500 Miles. For Lubricating Apparatus. 7,993; June 16.
Bramwell Manufacturing Company, St. Paul, Minn. The Marvo Oriental Girl. For Bath Powder. 7,994; June 16.
Cream of Wheat Co., Minneapolis, Minn. A food you can safely prescribe because it is always the same. For Wheat Breakfast Food. 7,995; June 16.
Cream of Wheat Co., Minneapolis, Minn. Thirty Years Ago Chauncey Depew Told Men How To Keep Fit. For Wheat Breakfast Food. 7,996; June 16.
Cream of Wheat Co., Minneapolis, Minn. Take extra care in feeding during baby's second summer. For Wheat Breakfast Food. 7,997; June 16.
De Luxe Cake Decorator Company, Minneapolis, Minn. De Luxe Daintie. For Cake Decorators. 7,998; June 16.
Eaton, Crane & Pike Company, Pittsfield, Mass. You would be too courteous to embarrass a guest in a situation like this. For Crane's Cordlinear. 7,999; June 16.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Good-wingfoot-Year Balloons They Wear Long—Increase Braking Efficiency—Reduce Repair Bills—Improve Appearance Of Your Car—Afford Better Traction—Make Your Car Last Longer and The Cost Is Low. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,000; June 16.
Kane Antennae Company, The, Aberdeen, Wash. The Kane Antennas. For Antenna for Radios. 8,001; June 16.
Lansing Ice & Fuel Co., The, Lansing, Mich. Sunburst Coal. For Coal. 8,002; June 16.
Pennsylvania Salt Manufacturing Company, Philadelphia, Pa. High Grade Industrial Chemicals. For Acids, Alums, Alumina, Sulphate of Alumina, Soda Products, Salt, Lyes, Liquid Calorine, Chlorine Products, Chlorine Gas, Hydrogen Gas, Gas Purifiers, Heavy Chemicals, Water Softeners and Cleansers, Kryolith, Bauxite, and Nitrate of Soda. 8,003; June 16.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Aktiebolaget Separator, Stockholm, Sweden. Basins, bowls, brush holders, etc. 208,497; June 16.
Albertson, Otto L., doing business as Kiotho Mendo Company, Sioux Falls, S. Dak. Mending cement for cloth, leather, etc. 210,905; June 16.
Allan, Kathryn A., doing business as Allan Cosmetic Company, New York, N. Y., also as Voisan, New York and Paris. Face powder, cold, vanishing, and tissue creams, perfumes, toothpaste, etc. 198,440; June 16.
Alms & Doepke Co., The, Cincinnati, Ohio. Women's underwear, gloves, children's underwear and mittens, etc. 192,296; June 16.
Alperin, M., & Sons, Inc., Memphis, Tenn. Hosiery and underwear. 208,216; June 16.
American Bleached Goods Company Inc., New York, N. Y. Cotton piece goods. 211,146; June 16.
American Grocer Company, Little Rock, Ark. Rice, wheat flour, corn meal, corn chops, shorts, and feeds 207,435–9; June 16.
American Lakes Paper Company, Chicago, Ill. Paper bags. 202,476; June 16.
American Maid Undergarment Co., New York, N. Y. Gowns, bloomers, chemises, etc. 208,090; June 16.
Apex Hat Frame Co., Inc., New York, N. Y. Women's hats, hat frames and linings. 212,226; June 16.
Argoid Metal Manufacturing Company, Penetanguishene, Ontario, Canada. Metals and metal alloys. 212,117; June 16.
Auditone Company, Green Bay, Wis. Apparatus for the treatment of deafness and impaired hearing. 204,926; June 16.
Ault-Williamson Shoe Co., Auburn, Me. Boots and shoes. 212,522; June 16.
Ault-Williamson Shoe Co., Auburn, Me. Boots and shoes. 212,991; June 16.
Baca, Pablo, doing business as La Victoria Packing Co., Los Angeles, Calif. Edible sauce or condiment. 211,566; June 16.
Bacon, Max, New York, N. Y. Boys' blouses and jumpers. 209,276; June 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Baxter, W. J., Co., Inc., New York, N. Y. Cotton shirtings in the piece. 193,320; June 16.
Bay State Fishing Company, Boston, Mass. Haddock fillets, finnan haddie, salt codfish, etc. 212,365; June 16.
Bayuk Cigars Incorporated, Philadelphia, Pa. Cigars. 211,968–70; June 16.
Bertol Drug Corp, Jamaica, N. Y. Preparation for coughs, colds, asthma, etc. 197,698; June 16.
Betsy Brown Garment Co. Inc., New York, N. Y. Nurses' and maids' uniforms and house and porch dresses. 190,147; June 16.
Bevil, Inc., New York, N. Y. Nail polish. 210,111; June 16.
Bingham, D. E., Sevastopol, Wis. Fresh apples. 209,329; June 16.
Blanke-Wenneker Candy Co., St. Louis, Mo. Candy. 211,252; June 16.
Block, M. & H., Co., New York, N. Y. Flannel mufflers and broadcloth reefers. 211,152; June 16.
Blum & Spiselman, New York, N. Y. Men's suits and overcoats. 209,524; June 16.
Blumenthal, Sidney & Co. Inc., New York, N. Y. Pile fabrics in the piece. 213,478; June 16.
Bonita Co., The, doing business as The Bonita Company, Fond du Lac, Wis. Candy. 212,419; June 16.
Borowikow, Boris, doing business as Borowikow Perfume Co., Brooklyn, N. Y. Hair tonic. 212,783; June 16.
Boutté, Matthew V., doing business as Bronkine Chemical Co., New York, N. Y. Medicine for coughs, colds, and bronchial irritations. 213,221; June 16.
Braun, Egon, Hamburg, Germany. Brandies, liqueurs, etc., and extracts for making alcoholic beverages. 210,039; June 16.
Bronkine Chemical Co. (See Boutté, Matthew V.)
Bruhn, Anna C. Benkwitz, Dysart, Iowa. Antiseptic healing oil for old sores, eczema, itching skin, etc. 213,111; June 16.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. 213,481; June 16.
Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard cloth. 213,483–4; June 16.
Burkhardt Bros. Co., The, Cincinnati, Ohio. Men's suits, topcoats, caps, etc. 210,707; June 16.
Burnham Manufacturing Co., Charles City, Iowa. Children's coaster wagons, wheelbarrows, and pedal cars. 213,360; June 16.
Campbell-Hausfeld Company Incorporated, The, Harrison, Ohio. Machines for spraying liquids. 212,540; June 16.
Carson Pirie Scott & Co., Chicago, Ill. Towels. 212,854; June 16.
Central Kansas Milling Company, The, Lyons, Kans., doing business as The Saxman Milling Company, Saxman, Kans. Wheat flour. 204,349; June 16.
Cheney Brothers, South Manchester, Conn. Strand-examining machines. 212,541; June 16.
Chicago Hairdressing Academy, Inc., Chicago, Ill. Cleansing, cold, and vanishing creams, etc. 210,712; June 16.
Children's Clinical Laboratory. (See Vaughan, Robert J.)
Cleland, David G., Philadelphia, Pa. Paint and varnish remover. 212,542; June 16.
Clifton Laboratories. (See Reed, Charles A.)
Colorado Milling & Elevator Co., The, Denver, also doing business as The Pueblo Flour Mills, Pueblo, Colo. Wheat flour. 212,593; June 16.
Columbian Steel Tank Company, Kansas City, Mo. Sheet-metal bins and tanks. 206,941; June 16.
Communigraph Company, Inc., New York, N. Y. Electrical typewriting machines and parts thereof. 209,562; June 16.
Conquerine Company, Inc., The, Richmond, Va. Remedy for dyspepsia, indigestion, nervousness, etc. 212,719; June 16.
Cook, Henry M., New York, N. Y. Scarfs, table runners, and small floor rugs. 212,121; June 16.
Cooper, T. J., & Sons, Winchester, Va. Hosiery, sweaters, dress and work shirts, etc. 212,423; June 16.
Corn Products Refining Company, New York, N. Y. Mixture of grain, alfalfa, and corn sugar molasses. 212,480; June 16.
Cottonluxe Manufacturing Co., Inc., New York, N. Y. Bags and flexible containers. 212,891; June 16.
Crow, M. S., Inc., Shanghai, China, Chicago, Ill., and Santa Barbara, Calif. Chinese rugs, laces, and embroideries. 206,827; June 16.
Dale, Benjamin E., doing business as Pacific Playing Card Company, Riverside, Calif. Card game. 196,238; June 16.
Daley Electric Chemical Company, Newark, N. J. Fluid for storage batteries. 210,292; June 16.
DeBevoise, Chas. R., Co., Newark, N. J., and New York, N. Y. Sateen in the piece. 196,514; June 16.
Dels-Fertig Company, The, also doing business as The Dels-Fertig Dairies Co., Dover, Ohio. Butter and cheese. 212,897–8; June 16.
Ditman, Andrew J., New York, N. Y. Medicinal preparations for dyspepsia, headache, sour stomach. 213,067; June 16.
Donnelly, Julia, St. Davids, Pa. Rouges and lip sticks. 213,228; June 16.
Douglis Mack, Chas., Co. Inc., also doing business as Silverstrype Co., Inc. New York, N. Y. Men's, youths', and boys' clothing. 213,229; June 16.
Drake Corporation, Norfolk, Va. Oil-stain remover. 213,700; June 16.
Drux Chemical Co. (See Mitchell, Charles M.)
Du Moiret. (See Juster, Leon.)
Durrenberger, Alfred J., Buffalo, N. Y. Liniment. 211,738; June 16.
Egroeg Chemical Co. (See Stubblefield, George M.)
Elliott Co., The, Providence, R. I. Mouth washes. 213,231; June 16.
Endicott Johnson Corporation, Endicott, N. Y. Babies' soft-soled shoes. 211,522; June 16.
Erd Marshall Co., Port Huron, Mich. Aprons, bonnets, boots, dresses, gloves, etc. 207,186; June 16.
Etgen, John J., doing business as Etgen Manufacturing Company, Chicago, Ill. Hangers for Christmas-tree ornaments. 212,679; June 16.
Ever-Ready Company, The. (See Plough Chemical Company.)
Fairchild Bros. & Foster, New York, N. Y. Homogenized cod-liver oil. 213,289; June 16.
Faultless Castings Co., Brazil, Ind. Cast-iron pipes. 212,601; June 16.
Faultless Rubber Company, The, Ashland, Ohio. Golf balls. 208,286; June 16.
Fearing, Whiton & Co. Inc., Boston, Mass. Cotton and linen sheetings, drills, and drapery cloths. 206,582; June 16.
Fertig, Max, New York, N. Y. Hand-embroidered netted lace in the piece. 212,680; June 16.
Fibre Development Company, Whitinsville, Mass. Yarn made from degummed hemp fiber. 212,326; June 16.
Fibre Development Company, Whitinsville, Mass. Yarn made from degummed flax fiber. 212,327; June 16.
Fibre Development Company, Whitinsville, Mass. Yarn made from degummed jute fiber. 212,328; June 16.
Fishbein & Kaplan, New York, N. Y. Children's hats. 193,997; June 16.
Florsheim Shoe Company, The, Chicago, Ill. Men's leather shoes. 200,879; June 16.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 212,681; June 16.
Forstmann & Huffmann Company, Passaic, N. J. Woolen piece goods. 213,629; June 16.
Fortune, William S., Findlay, Ohio. Cigars, cigarettes, manufactured smoking and leaf tobaccos. 211,466; June 16.
Fox, Edw., Baking Co., York, Pa. Bread. 207,814; June 16.
Fox Machine Company, Jackson, Mich. Power presses. 212,370; June 16.
Frank, Edgar K., & Co., New York, N. Y. Cotton piece goods. 213,705; June 16.
Franklin Novelties, Inc., Philadelphia, Pa. Salad sets, cosmetic jars, powder puff sets, etc. 208,648; June 16.
Franklin Simon & Co., Inc., New York, N. Y. Perfumizers. 212,791; June 16.
Gambrill, C. A., Manufacturing Company, Incorporated, Ellicott City, Md. Wheat flour. 205,916; June 16.
Gardner, Frank A., doing business as F. A. Gardner & Co., Riverside, Calif. Cream for sunburn, tan, chapped hands, face, and lips. 209,896; June 16.
Gardner, Frank A., doing business as F. A. Gardner & Co., Riverside, Calif. Hair tonic, cold cream, and cold tablets. 209,397; June 16.
Garfunkel, Morris, doing business as Merchants & Eclipse Sponging Co., New York, N. Y. Woolen piece goods. 195,953; June 16.
Garfunkel, Morris, New York, N. Y. Woolen piece goods. 195,954; June 16.
General Petroleum Corporation, Los Angeles, Calif. Oils and greases. 208,097; June 16.
Gimbel Brothers, Inc., New York, N. Y. Golf balls. 178,917; June 16.
Globe Soap Company, The, Cincinnati, Ohio. Soap. 213,634–5; June 16.
Glover, John M., Augusta, Ga. Medicine for whooping cough. 208,908; June 16.
Golfer Remedy Company. (See Schmidt, Hermann.)
Goodall Worsted Co., Sanford, Me. Mohair piece goods and piece goods of combinations of cotton, wool, etc. 209,985; June 16.
Goodnow, W. L., Co., Keene, N. H. Bread, cake, and doughnuts. 194,706; June 16.
Gottfried-Weiss Co., Philadelphia, Pa. Men's ready-made suits. 213,018; June 16.
Graham-Bumgarner Company, Parkersburg, W. Va. Boots and shoes. 213,133; June 16.
Graham, Mrs. H. T., Brownwood, Tex. Face-cream powder. 209,078; June 16.
Great Northern Mfg. Co., Chicago, Ill. Vacuum bottles. 212,609; June 16.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Great Northern Mfg. Co., Chicago, Ill. Toy ranges and engines. 212,611; June 16.
Grip Bow Tie Company, Omaha, Nebr. Neckties. 208,978; June 16.
Haas Brothers Fabrics Corporation, New York, N. Y. Silk, artificial silk, wool, etc., piece goods. 212,782; June 16.
Hair-Off Co., The. (See Maier, Alois.)
Harris & Tipograph, Inc., New York, N. Y. Sweatbands. 210,387; June 16.
Heine & Co., New York, N. Y. Essential oils. 213,505–9; June 16.
Heine & Co., New York, N. Y. Essential oils. 213,511; June 16.
Henkel & Cie. Gesellschaft mit beschränkter Haftung, Dusseldorf-Holthausen, Germany. Preparation for bleaching and disinfecting purposes. 202,702; June 16.
Holcomb & Hoke Manufacturing Company, Indianapolis, Ind. Toast-sandwich machine. 210,962; June 16.
Hubbard, Charles H., Coscob, Conn. Tonic or remedy for poultry. 212,263; June 16.
Huiskamp Bros. Co., The, Keokuk, Iowa. Boots, shoes, and oxfords. 194,350; June 16.
Huyck, F. C., & Sons, Albany, N. Y. Bath robes. 197,151; June 16.
Ideal Concrete Machinery Company, The, Cincinnati, Ohio. Concrete tools and machinery, etc. 212,185; June 16.
Incandescent Supply Company, New York, N. Y. Bowls, shades, domes, prisms, etc., made of glass. 199,626; June 16.
Independent Oil Men of America, Chicago, Ill. Gasoline and lubricating oils and greases. 212,264–6; June 16.
Independent Oil Men of America, Chicago, Ill. Gasoline and lubricating oils and greases. 212,269; June 16.
Iowa Canning Co., Vinton, Iowa. Canned corn. 213,649; June 16.
Jaffee, L. J. & C. D., Inc., New York, N. Y. First long pants suits. 206,529; June 16.
Jain-Sol Clothing Co., New York, N. Y. Coats, vests, suits, and trousers. 211,935; June 16.
Jarratt, C. D., Company, The. San Antonio, Tex. Fresh spinach. 207,081; June 16.
Jelke, John F., Company, Chicago, Ill. Oleomargarine. 207,578; June 16.
Juster, Leon, doing business as The Du Moiret Company, New York, N. Y. Perfumes, toilet waters, rouges, face and talcum powders, etc. 212,687; June 16.
Kaufman, Frank J., Baltimore, Md. Butter. 212,926; June 16.
Kaufmann Bros. & Bondy, New York, N. Y. Smokers' pipes, cigar holders, and cigarette holders. 212,385; June 16.
Kaumagraph Co., New York, N. Y. Frocks. 213,242; June 16.
Keystone Sanitary Supply Co., Greensburg, Pa. Unimpregnated cloth dusters. 211,684; June 16.
Klotho Mendo Company. (See Albertson, Otto L.)
Ko-Ko Kandy Co., San Francisco, Calif. Chocolate-coated almonds. 203,825; June 16.
Kola-Mist Syrup and Extract Co., Scotland Neck, N. C. Beverages sold as a soft drink and syrups and extracts for making same. 200,819; June 16.
Kuns Oil Co., The, Minneapolis, Minn. Gasoline, kerosene, lubricating oils and greases. 209,671; June 16.
Laframboise, Godfrey J., doing business as Zest Card Company, Bay City, Mich. Card games. 211,851; June 16.
Lamar Alfalfa Milling Co., The, Lamar, Colo. Meal for use in poultry mashes. 210,671; June 16.
Lambert Pharmacal Company, St. Louis, Mo. Cold cream. 212,623; June 16.
Laura Hair Novelty Company. (See Thau, Kalman.)
La Victoria Packing Co. (See Baca, Pablo.)
Lederer Utility Bag Co., Detroit, Mich. Shopping, school, and bathing bags. 195,699; June 16.
Lehn & Fink, Inc., New York, N. Y. Vanishing cream. 210,459; June 16.
Lehn & Fink, Inc., New York, N. Y. Mineral oil. 210,461; June 16.
Lehn & Fink, Inc., New York, N. Y. Absorbents, alteratives, analgesics, etc. 210,466; June 16.
Lehn & Fink, Inc., New York, N. Y. Almond meal. 210,468; June 16.
Lehn & Fink, Inc., New York, N. Y. Scented spirits medicated alcohol. 210,483; June 16.
Lehn & Fink, Inc., New York, N. Y. Remedy for whooping cough, asthma, etc. 210,485; June 16.
Levy Louis, doing business as O. K. Bottlers' Supply House, New York, N. Y. Malt syrup. 195,968; June 16.
Lewis-Rieser Co., New York, N. Y. Silk piece goods. 213,581; June 16.
Lewis, Samuel, New York, N. Y. Cleansing solvent for drains. 208,802; June 16.
Lichtman, Joseph, Philadelphia, Pa. Men's shirts. 211,599; June 16.
Lincoln Oil and Paint Company, The, Cleveland, Ohio. Oils and greases. 213,021; June 16.
Lumiere, A., Laboratories, New York, N. Y. Medicated gauze for surgical use. 212,499; June 16.
Mag Rhu Company, Inc., Pittsburgh, Pa. Medicinal preparation for treatment of nervous disorders and general debility. 212,624; June 16.
Mahn, Fritz, Oberfrohna, Germany. Stockings. 213,245; June 16.
Maier, Alois, doing business as Hair-Off Co., The, Los Angeles, Calif. Chemical preparation suitable for the removal of hair. 213,246; June 16.
Maico Products Corporation, Brooklyn, N. Y. Vacuum cleaning apparatus. 213,446; June 16.
Mandelbaum, Edward, New York, N. Y. Rolls. 211,445; June 16.
Manners, D. W., doing business as Pardeco Products Co., Washington, D. C. Insecticides. 212,744; June 16.
Master Plier Corporation, Chicago, Ill. Pliers. 213,821; June 16.
McClendon, James W., doing business as Nu-Age Drug Co., Dallas, Tex. Preparation for the treatment of dandruff, eczema of the scalp, falling hair, etc. 211,794; June 16.
Merchants & Eclipse Sponging Co. (See Garfunkel, Morris.)
Merriam, H. W., Shoe Company, Newton, N. J. Shoes. 212,277; July 16.
Miller's Jacob, Sons Co. Inc., Philadelphia, Pa. Cotton and linen goods in the piece. 210,802; June 16.
Mitchell, Charles M., doing business as Drux Chemical Co., Minneapolis, Minn. Powder, soluble in water to be used as a douche or wash. 213,184; June 16.
Moench, George W., assignor to Toide-Moench Co., Inc., Chicago, Ill. Flour (whole wheat), bread, muffins, and cake. 191,081; June 16.
Moll, Carlos, Buenos Aires, Argentina. Hand, circular, and band saws, axes, hatchets, etc. 206,182; June 16.
Monroe Drug Company, Quincy, Ill. Dyes. 212,278; June 16.
Mountain View Fruit Association, Ontario, Calif. Fresh citrous and deciduous fruits. 209,857; June 16.
Mulholland, John H., Company, The, Philadelphia, Pa. Wood tongue blades and applicators. 212,450; June 16.
Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation for disorders of the kidney and bladder. 210,133; June 16.
Naamloose Vennootschap Nederlandsche Kunstzijdefabriek, Arnhem, Netherlands. Raw wool, artificial straw and horsehair, staple and mixed raw fibers, etc. 211,539; June 16.
Nathan, M., and Brother, Incorporated, Johnstown, Pa. Womens' and girls' coats, frocks, and suits. 211,756; June 16.
National Biscuit Company, New York, N. Y. Biscuits, crackers, cakes, and wafers. 212,962; June 16.
Neptune Sea Food Company, San Diego, Calif. Canned fish. 210,898; June 16.
Nice, Eugene E., Company, Philadelphia, Pa. Paints of all kinds. 212,567–8; June 16.
Nichols, Henry T., Spokane, Wash. Polishes. 209,585; June 16.
Norta Distributing Company. (See Pfeffer, Felix.)
Nu-Age Drug Co. (See McClendon, James W.)
O. K. Bottler's Supply House. (See Levy, Louis.)
O'Brien, John E., doing business as Thermopak Company, Brooklyn, N. Y. Heat-insulating containers or receptacles. 212,287; June 16.
Old Slip Tea Trading Company, assignor to Old Slip Tea Trading Co., Inc., New York, N. Y. Coffee, tea, cocoa, and chocolate. 195,121; June 16.
Oshkosh Trunk Company, The, Oshkosh, Wis. Trunks, visiting cases, and taxi wardrobes. 212,094–5; June 16.
Pacific Playing Card Company. (See Dale, Benjamin E.)
Panza, Ernesto, doing business as Vittoria Olive Oil Importing Co., New York, N. Y. Olive oil. 195,415; June 16.
Pardeco Products Co. (See Manners, D. W.)
Paris Wholesale Millinery Company, Salt Lake City, Utah. Ladies' hats. 211,222; June 16.
Parke, Davis & Company, Detroit, Mich. Tincture of digitalis. 213,142; June 16.
Parker, John A., New York, N. Y. Wallets and portfolios. 213,732; June 16.
Pebeco, Inc., New York, N. Y. Tooth brushes. 210,498; June 16.
Peerless-W-Company, The, Chicago, Ill. Hosiery. 212,028; June 16.
Pennsylvania Silk Hosiery Mills, Inc., Bangor, Pa. Hosiery. 212,826; June 16.
Praudler Company, The, Rochester, N. Y. Iron and steel tanks. 213,039; June 16.
Pfeffer, Felix, doing business as Norta Distributing Company, New York, N. Y. Chemical composition for type cleaning. 212,961; June 16.
Philadelphia Quartz Company, Philadelphia, Pa. Silicate of soda. 209,937; June 16.
Plough Chemical Company, doing business as The Ever-Ready Company, assignor to Plough Chemical Company, Memphis, Tenn. Lubricating oils. 167,054; June 16.
Posavac, Stephen S., Chicago, Ill. Solution externally applicable for the treatment of cancer. 191,403; June 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Preble-Thompson Box Toe Company, Inc., The, Lynn, Mass. Stiffeners for boots and shoes. 212,457; June 16.

Prescription House of Houston, The, Houston, Tex. Medicine for use as a laxative. 210,577; June 16.

Prince, Jas. H., Paint Company, Boston, Mass. Oil and varnish stains. 196,765; June 16.

Prince, Jas. H., Paint Company, Boston, Mass. Colors and lead in oil. 195,768; June 16.

Prince, Jas. H., Paint Company, Boston, Mass. House and paste paints and ready-mixed colors in oil. 195,770; June 16.

Pueblo Flour Mills, The. (See Colorado Milling & Elevator Co.)

Rakofsky, Raymond, doing business as Van Roon Hosiery Company, New York, N. Y. Hosiery. 212,102; June 16.

Reed, Charles A., doing business as Clifton Laboratories, Cincinnati, Ohio. Beverages sold as soft drinks. 212,201; June 16.

Reese Chemical Co., The, Cleveland, Ohio. Antiseptic and deodorant powder. 212,750; June 16.

Rheinische Metallwaaren- und Maschinenfabrik, Dusseldorf-Derendorf, Germany. Pistols, revolvers, rifles, guns, ammunition, etc. 202,953–4; June 16.

Rice's, Bernard, Sons, Inc., New York, N. Y. Doilies. 212,152; June 16.

Richmond Hosiery Mills, Rossville, Ga. Hosiery and knitted and netted underwear. 199,324; June 16.

Roseth Corporation, The, Brooklyn, N. Y. Paper garment bags. 212,753; June 16.

Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 212,641; June 16.

Russell-Miller Milling Co., Minneapolis, Minn. Shorts wheat middlings. 212,965; June 16.

Russell-Miller Milling Co., Minneapolis, Minn. Wheat flour. 212,966–7; June 16.

Rust, Howard E., doing business as H. E. Rust Company, Malden, Mass., and New York, N. Y. Girls' dresses, boys' suits, creepers, and rompers. 211,710; June 16.

Saklad, William, Boston, Mass. Shoes. 210,317; June 16.

Sawyer Boot & Shoe Co., Bangor, Me. Boots and shoes and slippers. 211,950; June 16.

Saxman Milling Company, The. (See Central Kansas Milling Company, The.)

Schlott, James E., Omaha, Nebr. Lubricating oils. 207,264; June 16.

Schmidt, Hermann, doing business as Goiter Remedy Company, Buffalo, N. Y. Preparation for treating goiter. 197,896; June 16.

Seamless Rubber Company, Inc., The, New Haven, Conn. Adhesive plasters. 211,761; June 16.

Selser & Babayan, Los Angeles, Calif. Cigarettes. 172,492; June 16.

Sharpless, P. E., Co., Philadelphia, Pa. Butter. 211,497; June 16.

Silberstein, J. D., & Sons, Inc., New York, N. Y. Dress and negligee shirts. 212,046; June 16.

Silverstrype Co., Inc. (See Douglis Mack, Chas., Co., Inc.)

Simon Millinery Supply Co., San Francisco, Calif. Ladies' hats. 210,762; June 16.

Sinclair, T. M., & Co. Ltd., Cedar Rapids, Iowa. Cheese. 212,833; June 16.

Sisolak, John, Chicago, Ill. Wrenches. 212,509; June 16.

Slayton, Hovey E., Manchester, N. H. Boots, shoes, and slippers. 198,427; June 16.

Société Française Treugolnik, Levallois-Perret, France. Rubber dolls, balls, and animals, parlor games, fishing rods, etc. 181,656; June 16.

Spartan Mills, Spartanburg, S. C. Cotton piece goods. 211,303; June 16.

Sperry & Hutchinson Company, The, New York, N. Y. Bathing suits, sweaters, shirts, pyjamas, etc. 211,954; June 16.

Srenco, Henry, doing business as Trouser Shop, Philadelphia, Pa. Men's trousers. 211,063; June 16.

Standard Laboratories, Inc., Los Angeles, Calif., and New York, N. Y. Pomades for the hair. 206,331; June 16.

Stanley Works, The, New Britain, Conn. Butts. 214,284; June 16.

Stanley Works, The, New Britain, Conn. Metal washers. 214,285; June 16.

Stanley Works, The, New Britain, Conn. Hinges. 214,286–7; June 16.

Stubblefield, George M., doing business as Egroeg Chemical Co., Kirksville, Mo. Vaginal suppositories. 207,693; June 16.

Taber, George H., Pittsburgh, Pa. Vernier adjusters for instruments of precision. 212,839; June 16.

Taggart, William, Ballysillan, Belfast, Ireland. Alteratives, analgesics, antichlorotics, etc. 198,199; June 16.

Ted Morton Co. Inc., New York, N. Y. Stuffed figure toys and blanks from which to form such toys. 178,851; June 16.

Tennessee Tool Works Inc., Knoxville, Tenn. Apparatus or machinery for marking or painting lines or bands on streets, playgrounds, athletic grounds, and other surfaces. 210,866; June 16.

Tetra Laboratories Inc., New York, N. Y. Preparation for the human hair and head for cleansing and prophylactic medicine. 212,512; June 16.

Thau, Kalman, doing business as Laura Hair Novelty Company, New York, N. Y. Hair nets. 211,960; June 16.

Thermopak Company. (See O'Brien, John E.)

Thompson, Henry C., Hartford, Conn., assignor to The Thompson Specialties, Inc., Springfield, Mass. Automobile polishes. 205,242; June 16.

Tip-Top Bottling Company, St. Louis, Mo. Nonalcoholic, maltless, chocolate flavored carbonated beverages. 211,877; June 16.

Tokalon Chemical Corporation, New York, N. Y. Medicinal salts. 211,878; June 16.

Toide-Moench Co. (See Moench, George W., assignor.)

Tomaszewski, Harry, South Bend, Ind. Candy. 211,879; June 16.

Traveler Shoe Company, The, Boston, Mass. Shoes. 210,356; June 16.

Trouser Shop. (See Srenco, Henry.)

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,101; June 16.

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,104; June 16.

Turner & Vandam, Inc., New York, N. Y. Cotton, wool, silk, and artificial silk fabrics and combinations of the same. 213,601; June 16.

Turner & Vandam, Inc., New York, N. Y. Cotton, wool, silk, and artificial silk fabrics. 213,675; June 16.

Unifex Rubber Company, Rutherford, N. J. Rubber force cups, rubber basin and sink stoppers. 213,052; June 16.

United Fig & Date Company, The, Chicago, Ill. Shelled brazil nuts sliced and salted. 204,838; June 16.

United Oil Company, Pittsburgh, Pa. Lubricating oils and greases. 206,689; June 16.

United States Rubber Company, New Brunswick, N. J., and New York, N. Y. Rubber thread. 196,769; June 16.

Van Roon Hosiery Company. (See Rakofsky, Raymond.)

Vaughan & Bushnell Mfg. Co., Chicago, Ill. Hammers, hatchets, planes, and braces. 212,657; June 16.

Vaughan, Robert J., doing business as Children's Clinical Laboratory, Baker, Oreg. Dental preparations. 209,756; June 16.

Vineland Co-Operative Poultry Asso., Inc., Vineland, N. J. Eggs. 204,685; June 16.

Vittoria Olive Oil Importing Co. (See Panza, Ernesto.)

Voisan. (See Allan, Kathryn A.)

Vollman, Lawrence Co., The, Cincinnati, Ohio. Women's leather shoes. 209,512; June 16.

Wadsworth, Howland & Co. Incorporated, Boston, Mass. Varnish. 199,868; June 16.

Watkins, J. R., Company, The, Winona, Minn. Sewing machine and motor oils. 207,904; June 16.

Watkins, J. R., Company, The, Winona, Minn. Kidney and bladder pills. 213,270; June 16.

Webb Manufacturing Company, Nashville, Tenn. Baking powder, Bateman drops, castor oil, quinine, etc. 211,815; June 16.

West Texas Fuel Co., Inc., El Paso, Tex. Chicken feeds. 196,417; June 16.

Western Fur Co., The, St. Louis, Mo. Adhesive cloth. 212,659; June 16.

Wetherill, Geo. D., & Co., Inc., Philadelphia, Pa. Wall paint. 212,769; June 16.

Wheeler, Claire L., Grantwood, N. J. Massage lotions, cold creams, etc. 195,473; June 16.

Williams, R. C., & Company, Inc., New York, N. Y. Canned salmon, tunny fish, sardines, etc. 209,115; June 16.

Young, Chas. W., & Co., Philadelphia, Pa. Soap. 212,844; June 16.

Zest Card Company. (See Laframboise, Godfrey J.)

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Celluloid, Sheets, rods, and tubes of. Standard Pyroxyloid Corporation. 199,678; June 16; Serial No. 197,504; published Sept. 9, 1924.

Coal. Kelly Coal & Material Co. 199,888; June 16; Serial No. 206,658; published Mar. 31, 1925.

Coal. Lehigh Valley Coal Sales Company. 190,765; June 16; Serial No. 208,469; published Mar. 31, 1925.

Coal. Southern Coal & Coke Company. 199,699; June 16; Serial No. 208,879; published Apr. 7, 1925.

Fuels, Solid. F. A. Hueber. 199,672; June 16; Serial No. 206,117; published Mar. 17, 1925.

Peat-fuel product. J. V. Clark. 199,909; June 16; Serial No. 175,869; published Mar. 31, 1925.

Pitch and tar. Grubenbois-Imprägnierung G. m. b. H. 199,646; June 16; Serial No. 199,475; published Apr. 7, 1925.

Quartz, Ground crystal. Bridgeport Wood Finishing Co. 46,009; renewed Sept. 8, 1925.

Seed, Grass. W. N. Potter & Sons. 199,824–5; June 16; Serial Nos. 206,823–4; published Apr. 7, 1925.

Seeds and bulbs. Williams Seed Company. 199,671; June 16; Serial No. 206,206; published Apr. 7, 1925.

Skins and leathers. Société Anonyme Des Anciens Établissements A. Combe & Fils & Cie. 199,676; June 16; Serial No. 205,839; published Mar. 31, 1925.

CLASS 2.

Can for soiled clothes, Sanitary. S. Lewis. 199,883; June 16; Serial No. 209,804; published Apr. 7, 1925.

Cone dispensers. T. Adams. 199,859; June 16; Serial No. 209,827; published Apr. 7, 1925.

Paper bags. Columbia Bag & Paper Corporation. 199,877–8; June 16; Serial Nos. 209,332–4; published Apr. 7, 1925.

Paper bags. Columbia Bag & Paper Corporation. 199,879; June 16; Serial No. 209,331; published Apr. 7, 1925.

Tanks, Steel. Graver Corporation. 199,856; June 16; Serial No. 209,786; published Apr. 7, 1925.

CLASS 4.

Cleaning compound with incidental polishing properties. N. S. Hillyard. 199,628; June 16; Serial No. 203,620; published Mar. 17, 1925.

Cleaning compounds. A. Verwiel. 199,594; June 16; Serial No. 192,662; published Mar. 17, 1925.

Cleaning fluid or compound. Bee Kleaner Company. 199,777; June 16; Serial No. 206,629; published Mar. 31, 1925.

Oil, grease, tar, and dirt remover and cleaner. Delite Products Co. 199,649; June 16; Serial No. 208,861; published Mar. 31, 1925.

Preparations for cleaning woodwork, linoleum, porcelain, etc. Solite Chemical Company. 199,741; June 16; Serial No. 207,691; published Mar. 31, 1925.

Scrubbing powders. G. F. Lessenhop & Sons, Inc. 199,603; June 16; Serial No. 170,851; published Mar. 17, 1925.

Soap, Mechanic's. A. M. Ribas. 199,601; June 16; Serial No. 180,811; published June 5, 1924.

Soaps. Dr. M. Albersheim. 199,743; June 16; Serial No. 207,542; published Mar. 31, 1925.

Soaps. "La Rosario" (S. A. Company Limited). 199,652; June 16; Serial No. 202,890; published Mar. 31, 1925.

Washing compound. M. M. Scott. 199,599; June 16; Serial No. 187,135; published Mar. 17, 1925.

CLASS 5.

Core binders, washes, and adhesives. Curtis Bay Copper & Iron Works. 199,637; June 16; Serial No. 199,042; published Mar. 31, 1925.

Glue, glue for sealing cartons, and silicate of soda, Label. Markwell Manufacturing Co. 199,753; June 16; Serial No. 206,796; published Apr. 7, 1925.

CLASS 6.

Arsenic and sodium-arsenite solution. United States Smelting, Refining and Mining Company. 199,821; June 16; Serial No. 208,835; published Mar. 24, 1925.

Bitters. C. F. Lauber. 47,488; renewed Nov. 7, 1925.

Chemical compound. Preservaline Manufacturing Company. 47,250–1; renewed Oct. 31, 1925.

Chemical compound. Preservaline Manufacturing Company. 47,289; renewed Oct. 31, 1925.

Colic and cholera, Internal remedy for. F. Traudt. 45,141; renewed Aug. 8, 1925.

Cosmetics, toilet cream, mud pack, etc. H. Baller. 199,818; June 16; Serial No. 208,841; published Apr. 7, 1925.

Cream, Cleansing and massage. M. F. Jaeger. 199,732; June 16; Serial No. 207,871; published Mar. 24, 1925.

Cream, Dental. Associated Professions Inc. 199,820; June 16; Serial No. 208,839; published Mar. 24, 1925.

Dentifrice, Liquid. Associated Professions Inc. 199,819; June 16; Serial No. 208,840; published Mar. 24, 1925.

Fly killer and insecticide. Maury-Cole Company. 199,873; June 16; Serial No. 209,422; published Mar. 24, 1925.

Hair grower and compound. R. C. Pinnix. 199,657; June 16; Serial No. 206,591; published Mar. 24, 1925.

Hair preparation. W. A. Matlock. 199,721; June 16; Serial No. 208,154; published Mar. 31, 1925.

Hair tonic. M. Murphy. 199,869; June 16; Serial No. 210,132; published Apr. 7, 1925.

Insecticide. Connecticut Chemical & Disinfectant Co. 199,876; June 16; Serial No. 209,335; published Mar. 24, 1925.

Laxative. H. Kaplan. 199,747; June 16; Serial No. 207,886; published Apr. 7, 1925.

Laxative medicine. J. Futterman. 199,633; June 16; Serial No. 198,588; published Mar. 31, 1925.

Laxative medicines. S. B. Hartman. 26,595; renewed May 28, 1925.

Liniment. W. W. Brooks. 199,884; June 16; Serial No. 209,197; published Mar. 31, 1925.

Liniment, laxative salts, headache powders, etc. F. M. Hladky. 199,686; June 16; Serial No. 193,584; published Oct. 21, 1924.

Lotion for the hands and face. Blaesser & Eshleman. 199,844; June 16; Serial No. 209,614; published Apr. 7, 1925.

Lotions, Skin. C. H. Clark. 199,841; June 16; Serial No. 209,529; published Apr. 7, 1925.

Medicinal compounds. S. L. Summers. 199,828–31; June 16; Serial Nos. 208,786–9; published Mar. 24, 1925.

Medicinal preparation for nervous disorders. M. Murphy. 199,868; June 16; Serial No. 210,131; published Apr. 7, 1925.

Medicinal preparation used as a tonic. D. Wróblewski. 199,734; June 16; Serial No. 207,840; published Mar. 24, 1925.

Medicine for coughs, colds, etc. F. L. Bemis. 199,870; June 16; Serial No. 210,157; published Apr. 7, 1925.

Medicine for coughs, colds, etc. Bransky & Harris. 199,880; June 16; Serial No. 209,330; published Apr. 7, 1925.

Medicine for the blood. S. B. Hartman. 26,594; renewed May 28, 1925.

Medicines and pharmaceutical preparations for inflammation of the eyes, nose, etc. C. G. Maywood. 199,655; June 16; Serial No. 201,710; published Mar. 31, 1925.

Medicines used in the treatment of asthmatic affections. American Felsol Company. 199,780; June 16; Serial No. 206,307; published Mar. 31, 1925.

Moth-repellent compounds. Pathé Chemical Company. 199,697; June 16; Serial No. 208,865; published Apr. 7, 1925.

Mouth wash, Powder. Sal-Oris Chemical Co. 199,863; June 16; Serial No. 210,013; published Apr. 7, 1925.

Oil compounds thereof, Essential and flower. Pierre Lemoine et Cie. 199,650–60; June 16; Serial Nos. 206,539–40; published Apr. 7, 1925.

Oil, Extract of cod-liver. Joseph Nathan & Company. 199,871; June 16; Serial No. 210,180; published Apr. 7, 1925.

Oils, essences, and extracts, Flower. Roure-Bertrand Fils, Inc. 199,696; June 16; Serial No. 208,871; published Apr. 7, 1925.

Ointment. Republic International Corporation. 199,823; June 16; Serial No. 208,826; published Apr. 7, 1925.

Ointment for neuritis, neuralgia, etc. S. S. Nelson. 199,834; June 16; Serial No. 208,772; published Apr. 7, 1925.

Perfume, toilet water, etc. Cheramy, Inc. 199,726; June 16; Serial No. 208,041; published Mar. 24, 1925.

Perfumery, Aromatic compounds for. Morana Incorporated. 199,867; June 16; Serial No. 210,130; published Apr. 7, 1925.

Perfumes and toilet waters. M. De Foe, Inc. 199,854; June 16; Serial No. 209,736; published Apr. 7, 1925.

Perfumes and toilet waters. Houbigant, Inc. 199,663; June 16; Serial No. 206,525; published Mar. 31, 1925.

Perfumes, toilet water, etc. Coty, Inc. 199,776; June 16; Serial No. 208,226; published Mar. 31, 1925.

Perfumes, toilet waters, rouges, etc. Nemesio Lopez Caro & José Luis Conde Perez. 199,795; June 16; Serial No. 204,497; published Mar. 24, 1925.

Pills for catarrh. G. Ardito. 47,445; renewed Nov. 7, 1925.

Plasters, Medicinal. Duane Remedies Corporation. 199,720; June 16; Serial No. 208,183; published Mar. 31, 1925.

Powders, face creams, rouges, etc., Face. A. M. Blake. 199,833; June 16; Serial No. 209,767; published Apr. 7, 1925.
Preparation for cleaning teeth. F. C. Aubrey. 199,855; June 16; Serial No. 209,762; published Apr. 7, 1925.
Preparation for cleaning the teeth, etc. W. H. Waddell. 199,683; June 16; Serial No. 195,925; published June 10, 1924.
Preparation for treatment of chapped hands and lips, etc. J. O. E. Neven. 199,746; June 16; Serial No. 207,398; published Mar. 24, 1925.
Preparation for treatment of pyorrhea and kindred diseases. J. A. Standish. 199,822; June 16; Serial No. 208,830; published Apr. 7, 1925.
Preparations for treatment of diseases of the liver. C. F. Simmons Medicine Co. 199,864–5; June 16; Serial Nos. 210,015–16; published Apr. 7, 1925.
Preventive and treatment of pyorrhea, sore throat, etc. Dumore Products Co. 199,872; June 16; Serial No. 209,466; published Mar. 24, 1925.
Protein product for nursing mothers. E. T. Pearson Corporation. 199,832; June 16; Serial No. 208,774; published Apr. 7, 1925.
Remedy for certain named disease. Home Remedy & Supply Co. 47,456; renewed Nov. 7, 1925.
Roach compound. J. Carafotias. 199,773; June 16; Serial No. 208,278; published Mar. 31, 1925.
Rouges, face powders, and lip sticks. J. Notovitz, Inc. 199,749; June 16; Serial No. 207,254; published Mar. 24, 1925.
Salve. Camthol Company. 199,788; June 16; Serial No. 204,813; published Mar. 17, 1925.
Shampoo. Guaranteed Products Corporation. 199,857; June 16; Serial No. 209,787; published Apr. 7, 1925.
Silicate of sodium and aluminum, Double. American Doucil Company. 199,686; June 16; Serial No. 210,110; published Apr. 7, 1925.
Solutions for the mouth and throat. E. B. Douglas. 199,843; June 16; Serial No. 209,566; published Apr. 7, 1925.
Sterilizing, disinfecting, deodorising, and destroying insects, Spray used for. Lacko Specialty Co. 199,772; June 16; Serial No. 208,299; published Apr. 7, 1925.
Tablet, Medicinal. Tri State Pharmacy Co. 199,785; June 16; Serial No. 204,981; published Mar. 24, 1925.
Tablets, Nerve. Carey Medical Corporation. 199,768; June 16; Serial No. 208,370; published Apr. 7, 1925.
Tablets, Nerve. Carey Medical Corporation. 199,769; June 16; Serial No. 208,369; published Mar. 24, 1925.
Toilet water, scalp pomade, shampoo, etc. Los Angeles Barber Supply Co. 199,838; June 16; Serial No. 200,483; published Apr. 7, 1925.
Tonic, Lung. Martin Drug Store. 199,875; June 16; Serial No. 209,350; published Mar. 24, 1925.
Tonic medicines. S. B. Hartman. 26,593; renewed May 28, 1925.
Vermicide for hogs, Biscuit used as a. F. D. Lorton. 199,719; June 16; Serial No. 208,204; published Mar. 31, 1925.

CLASS 8.

Pipes, cigar and cigarette holders, Tobacco. W. Hendrikx. 199,664; June 16; Serial No. 206,524; published Apr. 7, 1925.

CLASS 9.

Matches. Eesti Tikutööstus "Lendra," A/S. 199,710–11; June 16; Serial Nos. 209,080–1; published Mar. 31, 1925.
Matches. Osakeyhtio Savo. 199,731; June 16; Serial No. 207,883; published Mar. 31, 1925.

CLASS 12.

Case lining, sheathing, insulating, and roofing papers, Standard Paint Company. 47,089; renewed Oct. 24, 1925.
Cement and concrete. Badger Waterproofing Co. 199,666; June 16; Serial No. 206,471; published Mar. 3, 1925.
Insulating material, Linings of. Keystone Hair Insulator Company. 46,332–5; renewed Sept. 12, 1925.
Insulating material, Linings of. Keystone Hair Insulator Company. 46,337; renewed Sept. 12, 1925.

CLASS 13.

Fenceposts, Metal. American Steel and Wire Company of New Jersey. 199,891; June 16; Serial No. 208,694; published Mar. 31, 1925.
Metal eyelets and washers, hamper and meat hooks, meat skewers, etc. Markwell Manufacturing Co. 199,754; June 16; Serial No. 206,792; published Apr. 7, 1925.
Nails. New Rochelle Coal & Lumber Co. 199,651; June 16; Serial No. 202,515; published Mar. 31, 1925.
Pipe fittings. Wasco Manufacturing Co. 199,885; June 16; Serial No. 208,625; published Mar. 31, 1925.
Tanks, oil-still safety valves, etc., Gauge and thief holes for oil. Oil Conservation Engineering Company. 199,815; June 16; Serial No. 188,130; published Mar. 31, 1925.
Valves, traps, etc. American Steam Specialty Corporation. 199,615; June 16; Serial No. 208,735; published Mar. 24, 1925.

CLASS 14.

Bearing metal. Frictionless Metal Company. 46,238–9; renewed Sept. 12, 1925.
Steel billets, bars, forgings, and disks. Poldi Steel Corporation of America. 199,798; June 16; Serial No. 146,390; published Apr. 1, 1924.
Steel billets, bars, forgings, and disks. Poldi Steel Corporation of America. 199,799; June 16; Serial No. 146,395; published Apr. 1, 1924.
Steel, Special. Southern Steel Company. 199,787; June 16; Serial No. 204,873; published Mar. 31, 1925.
Steel, Tool. Peter A. Frasse & Co. 199,814; June 16; Serial No. 196,360; published Nov. 27, 1923.

CLASS 15.

Candles. Standard Oil Company. 199,786; June 16; Serial No. 204,874; published Mar. 24, 1925.
Gasoline. L. J. Wilde. 199,812; June 16; Serial No. 183,784; published Nov. 27, 1923.
Gasoline, motor-lubricating oil, kerosene, and fuel oil. Metro Stations, Inc. 199,680; June 16; Serial No. 196,749; published Dec. 2, 1924.
Kerosene, burning and furnace oils. Texas Company. 199,745; June 16; Serial No. 207,415; published Mar. 17, 1925.
Oils and greases. G. P. N. Carr. 199,718; June 16; Serial No. 208,896; published Mar. 31, 1925.
Oils and greases, Lubricating. California Paint Company. 199,801; June 16; Serial No. 165,483; published Apr. 3, 1923.
Oils and greases, Lubricating. Canfield Oil Company. 199,810; June 16; Serial No. 178,329; publisher Mar. 17, 1925.
Oils and lubricating oils and greases, Fuel. American Oil Co. 199,733; June 16; Serial No. 207,844; published Mar. 31, 1925.
Oils, Lubricating. Stover Company. 199,714; June 16; Serial No. 208,831; published Mar. 31, 1925.
Oils, Mineral and vegetable lubricating. Alfred Olsen & Co., A/S. 199,673; June 16; Serial No. 206,022; published Mar. 17, 1925.
Oils, Motor. O. F. Mikesell. 199,668; June 16; Serial No. 206,421; published Mar. 31, 1925.
Oils, Motor and tractor. John M. Brant Company. 199,800; June 16; Serial No. 164,626; published Mar. 17, 1925.

CLASS 16.

Cleaning and polishing fluid for automobiles, furniture, etc. R. H. Harnish. 199,587; June 16; Serial No. 198,136; published Mar. 24, 1925.
Enamel, Automobile. G. Kronschnabel. 199,650; June 16; Serial No. 202,828; published Mar. 31, 1925.
Paints, enamels, stains, flat white, varnishes, japans, and colors in oil. W. E. McGrew. 199,584; June 16; Serial No. 198,658; published Mar. 31, 1925.
Paints, Mixed. R. H. Oakley. 199,621; June 16; Serial No. 200,636; published Dec. 30, 1924.
Stains, fillers, and varnishes James F. Kurfees Paint Co. 46,516; renewed Sept. 26, 1925.

CLASS 17.

Cigars. W. P. Danforth. 199,827; June 16; Serial No. 208,796; published Apr. 7, 1925.
Cigars, cigarettes, and tobacco. Vetterlein Brothers Inc. 199,642; June 16; Serial No. 200,591; published Apr. 7, 1925.
Tobacco, Smoking. Cohen, Weenen & Co. 199,624; June 16; Serial No. 201,123; published Mar. 31, 1925.

CLASS 19.

Cars, Motor. Autocar Co. 46,992; renewed Oct. 17, 1925.

CLASS 21.

Adhesive tapes. New York Insulated Wire Company. 47,119; renewed Oct. 24, 1925.
Insulating compounds. Standard Underground Cable Company. 46,250; renewed Sept. 12, 1925.
Radio receiving sets and parts thereof. C. A. Tileston. 199,681; June 16; Serial No. 196,555; published July 29, 1924.
Telephone systems, receivers for same, etc. Audiphone Company of America. 199,811; June 16; Serial No. 181,052; published Dec. 9, 1924.

CLASS 22.

Cards, Playing. New York Consolidated Card Company. 46,881; renewed Oct. 10, 1925.
Dolls. Averill Manufacturing Corporation. 199,593; June 16; Serial No. 194,245; published Mar. 31, 1925.
Game. Crosword Company. 199,712; June 16; Serial No. 209,078; published Apr. 7, 1925.
Game, Table. J. Tutuies. 199,627; June 16; Serial No. 203,611; published Mar. 31, 1925.
Games. W. Peles. 199,858; June 16; Serial No. 209,810; published Apr. 7, 1925.
Sleds, Children's. American Toy & Novelty Works, Inc. 199,853; June 16; Serial No. 209,716; published Apr. 7, 1925.
Striking bag, racket cover, balls, etc. L. A. Olmsted. 199,803; June 16; Serial No. 170,667; published Apr. 7, 1925.

CLASS 23.

Axes. Simmons Hardware Co. 47,375; renewed Oct. 31, 1925.
Chisels. Peck, Stow & Wilcox Company. 199,708–9; June 16; Serial Nos. 209,104–5; published Mar. 31, 1925.
Cranes, hoists, etc., Electric traveling. Harnischfeger Corporation. 199,703; June 16; Serial No. 208,981; published Mar. 31, 1925.
Dishwashing machines. Kleendry Corporation. 199,724; June 16; Serial No. 208,055; published Mar. 31, 1925.
Distributing apparatus for loose or fluent solid materials. Ransome Concrete Machinery Company. 199,782; June 16; Serial No. 205,158; published Mar. 31, 1925.
Engines, Marine. Gas Engine & Power Co., and Charles L. Seabury & Co., Consolidated. 47,360; renewed Oct. 31, 1925.
Files and rasps. Nicholson File Company. 47,238; renewed Oct. 31, 1925.
Fire extinguishers, swing-pipe winches, and cable guides. Oil Conservation Engineering Company. 199,684; June 16; Serial No. 195,181; published Mar. 31, 1925.
Gear levers, Knobs for shifting. D. S. Bartlett. 199,728; June 16; Serial No. 207,960; published Mar. 31, 1925.
Loom sundries, Leather. Charles Bond Company. 199,796; June 16; Serial No. 203,934; published Mar. 31, 1925.
Machinery for conditioning materials and machinery for drying materials. Industrial Dryer Corporation. 199,707; June 16; Serial No. 200,127; published Mar. 31, 1925.
Pincers and pincer hammers. F. W. Whitcher. 47,209; renewed Oct. 31, 1925.
Pocketknives, razors, table forks, etc. Bergische Stahl-Industrie. 199,677; June 16; Serial No. 205,075; published Mar. 31, 1925.
Presses, Web perfecting flat-bed. Duplex Printing Press Co. 47,179; renewed Oct. 31, 1925.
Razors. Adolph Kastor & Bros. 47,230; renewed Oct. 31, 1925.
Razors. Graef & Schmidt, Inc. 199,739; June 16; Serial No. 207,737; published Mar. 31, 1925.

CLASS 24.

Washing-machine cylinders, Clothes. R. M. Comiskey. 199,600; June 16; Serial No. 186,978; published Jan. 20, 1925.

CLASS 25.

Locks and locking door handles, Automobile and compartment. Briggs & Stratton Company. 199,693; June 16; Serial No. 192,171; published Mar. 31, 1925.

CLASS 26.

Feet, hands, and other portions of the body, Devices for measuring the. Arrowsmith Manufacturing Company. 199,689; June 16; Serial No. 192,883; published Apr. 7, 1925.
Frames, rims, nose pieces for eyeglasses, etc. Optical Products Corporation. 199,730; June 16; Serial No. 207,880; published Mar. 31, 1925.
Gauge glasses. Crandall Packing Company. 199,883; June 16; Serial No. 209,203; published Apr. 7, 1925.
Hydrometers. C. E. Linebarger. 199,662; June 16; Serial No. 206,532; published Mar. 31, 1925.
Optical goods. American Optical Company. 26,919; renewed Aug. 13, 1925.
Reckoning and adding machines. S. Meyer. 199,670; June 16; Serial No. 206,323; published Mar. 31, 1925.

CLASS 27.

Watches and clocks. Robt. H. Ingersoll & Bros. 44,586; renewed July 11, 1925.

CLASS 28.

Silverware, Table. Towle Mfg. Company. 47,551; renewed Nov. 7, 1925.

CLASS 29.

Brooms. American Broom and Brush Co. 199,861; June 16; Serial No. 209,892; published Apr. 7, 1925.
Brooms. National Broom Manufacturing Co. 199,851; June 16; Serial No. 209,679; published Apr. 7, 1925.
Brooms. Twinko Manufacturing Company. 199,839; June 16; Serial No. 209,508; published Apr. 7, 1925.

CLASS 31.

Refrigerating machines, Electrical. J. Mercadante. 199,654; June 16; Serial No. 201,711; published Mar 31, 1925.

CLASS 32.

Beds, Folding. American Bed Company. 199,590; June 16; Serial No. 195,731; published Aug. 12, 1924.
Radio receiving and talking machines, Combination cabinets for. A. H. Haag. 199,622; June 16; Serial No. 200,718; published Mar. 17, 1925.

CLASS 33.

Glass globes for lanterns. E. K. Diets Company. 199,694; June 16; Serial No. 191,787; published Mar. 31, 1925.

Glass reflectors. Reflector & Illuminating Co. 199,704; June 16; Serial No. 208,998; published Apr. 7, 1925.
Glassware, glass trays, etc., Household. J. E. Marsden Glass Works, Inc. 199,890; June 16; Serial No. 208,667; published Mar. 31, 1925.

CLASS 34.

Furnaces, Banner-Mahoning Furnace Company. 199,679; June 16; Serial No. 197,128; published Feb. 10, 1925.
Liquid-fuel-burning apparatus. C. U. Williams & Son. 199,644; June 16; Serial No. 199,664; published Apr. 7, 1925.

CLASS 35.

Belting for power transmission. Gandy Belting Company. 44,609–11; renewed July 18, 1925.
Belting for power transmission. Gandy Belting Company. 46,111–12; renewed Sept. 5, 1925.
Leather oil-well cups. C. A. Auer. 199,893; June 16.
Tires, Rubber vehicle. Goodyear Tire and Rubber Company. 46,530–3; renewed Sept. 26, 1925.

CLASS 36.

Phonographs and talking machines. A. Carasso. 199,605; June 16; Serial No. 209,201; published Mar. 24, 1925.
Pianos. Baldwin Company. 47,553; renewed Nov. 7, 1925.

CLASS 37.

Checks. H. D. Wessman. 199,774; June 16; Serial No. 208,269; published Mar. 31, 1925.
Envelopes. Samuel Cupples Envelope Co. 45,689; renewed Aug. 29, 1925.
Paper, Envelope. International Paper Company. 199,723; June 16; Serial No. 208,101; published Mar. 31, 1925.
Paper napkins, doilies, and tablecloths. Icy-Hot Bottle Company. 199,802; June 16; Serial No. 167,639; published Mar. 31, 1925.
Paper, paper towels and napkins, etc., Toilet. Fort Howard Paper Company. 199,846–9; June 16; Serial No. 209,641–4; Mar. 31, 1925.
Paper, paper towels and napkins, etc, Toilet. Fort Howard Paper Company. 199,850; June 16; Serial No. 209,646; published Mar. 31, 1925.
Papers used for magazine and book covers, Surface-coated. McLaurin-Jones Co. 199,750; June 16; Serial No. 207,197; published Mar. 31, 1925.
Pens and pencils. Wall-Stich Company. 199,589; June 16; Serial No. 196,093; published June 10, 1924.
Pens, Fountain. Corona Pen Company. 199,808; June 16; Serial No. 173,810; published Mar. 31, 1925.
Stationery articles. Defiance Sales Corporation. 199,596; June 16; Serial No. 189,662; published Mar. 17, 1925.

CLASS 38.

Books. Lothrop, Lee & Shepard Company. 47,427; renewed Nov. 7, 1925.
Magazine title, Monthly. Happiness Publishing Company. 199,792; June 16; Serial No. 204,553; published Feb. 17, 1925.
Periodicals, Monthly. American Thrift Fraternity. 199,618; June 16; Serial No. 199,278; published Mar. 31, 1925.

CLASS 39.

Boots and shoes. Société Anonyme C. F. Bally. 199,640; June 16; Serial No. 200,733; published Mar. 10, 1925.
Boots, shoes, and slippers, Ladies', misses', and children's. Laird, Schober & Company. 199,874; June 16; Serial No. 209,412; published Mar. 31, 1925.
Clothing. Universal Clothing Manufacturers, Inc. 199,631; June 16; Serial No. 204,884; published Mar. 31, 1925.
Coats, pants, vests, etc., Hunting. Alward-Anderson-Southard Co. 199,770; June 16; Serial No. 208,328; published Mar. 31, 1925.
Cravats, four-in-hand ties, and bow ties. J. I. Gumport and Sons, Inc. 199,795; June 16; Serial No. 204,259; published Mar. 24 1925.
Gloves and mittens. Boss Manufacturing Company. 199,676; June 16; Serial No. 205,787; published Mar. 31, 1925.
Gloves, coats, and suits, etc. F. A. McLaughlin. 199,636; June 16; Serial No. 205,345; published Mar. 31, 1925.
Hats and caps. Jaffe & Seakwood. 199,635; June 16; Serial No. 206,167; published Mar. 17, 1925.
Hats, Ladies'. Harry Solomons & Son. 199,715; June 16; Serial No. 208,618; published Mar. 31, 1925.
Hats, Men's. Goldstein Bros. 199,826; June 16; Serial No. 208,808; published Mar. 31, 1925.
Hats, Men's straw. Endel & Peles. 199,835; June 16; Serial No. 208,747; published Mar. 31, 1925.
Hats, Women's. Paige Hat Co. 199,735; June 16; Serial No. 207,756; published Mar. 31, 1925.
Hose. I. E. Jacobson. 199,609; June 16; Serial No. 209,087; published Mar. 24, 1925.
Hosiery. Emery & Beers Company. 199,805; June 16; Serial No. 171,122; published Oct. 30, 1923.
Hosiery. Ipswich Mills. 199,595; June 16; Serial No. 191,625; published Mar. 31, 1925.
House and bath robes, night robes, pyjamas, etc. White Goods Mfg. Co. 199,778; June 16; Serial No. 205,381; published Feb. 3, 1925.
Rubber overshoes. Baltic India Rubber Company "Quadrat." 199,625; June 16; Serial No. 202,317; published Mar. 31, 1925.

Scarfs. N. P. & J. Trabulsi. 199,610–11; June 16; Serial Nos. 209,065–6; published Mar. 24, 1925.
Shirts and pyjamas. S. Liebovitz & Sons, Inc. 199,700; June 16; Serial No. 206,913; published Mar. 17, 1925.
Shirts, blouses, pyjamas, etc., Men's and boys'. H. D. Bob Company. 199,742; June 16; Serial No. 207,677; published Mar. 31, 1925.
Shirts, union suits, hosiery, and infants' wrappers. Potter Knitting Company. 199,632; June 16; Serial No. 204,868; published Mar. 31, 1925.
Shirts, Work. Reliance Manufacturing Company. 199,585; June 16; Serial No. 198,537; published Mar. 31, 1925.
Shoes. A. Dvilnsky. 199,702; June 16; Serial No. 208,963; published Mar. 31, 1925.
Shoes. Shaft-Pierce Shoe Co. 199,701; June 16; Serial No. 208,930; published Mar. 17, 1925.
Shoes. Sylvania Shoe Company. 199,718; June 16; Serial No. 208,210; published Mar. 31, 1925.
Shoes. Teeple Shoe Company. 199,727; June 16; Serial No. 208,023; published Mar. 31, 1925.
Shoes, boots, and slippers. Scholl Manufacturing Company. 199,617; June 16; Serial No. 199,246; published Mar. 17, 1925.
Shoes, Leather. Peters Shoe Co. 44,865–6; renewed July 25, 1925.
Shoes, Leather. Peters Shoe Co. 44,868; renewed July 25, 1925.
Shoes, Leather. Peters Shoe Co. 46,043; renewed Sept. 5, 1925.
Shoes, Leather. Teeple Shoe Company. 199,725; June 16; Serial No. 208,025; published Mar. 31, 1925.
Shoes, Women's, misses', and children's. J. J. Grover's Sons Company. 199,887; June 16; Serial No. 208,851; published Mar. 31, 1925.
Socks or half-hose, Infants'. H. L. Kinne. 199,613; June 16; Serial No. 208,989; published Mar. 24, 1925.
Trousers. Triangle Clothing Mfg. Co. 199,797; June 16; Serial No. 131,454; published Jan. 24, 1922.
Underwear for men and boys, Knitted. Utica Knitting Co. 45,825; renewed Aug. 15, 1925.
Underwear, Knitted. Utica Knitting Company. 46,652; renewed Sept. 26, 1925.

CLASS 40.

Elastic webs, Narrow. Penn Rivet Corporation. 199,597; June 16; Serial No. 189,580; published Mar. 31, 1925.
Hair goods. Yvette Co. 199,598; June 16; Serial No. 188,225; published Mar. 31, 1925.
Shoe ornaments, buckles, etc. Dalrymple-Dudley Co. 199,634; June 16; Serial No. 205,153; published Mar. 17,1925.

CLASS 42.

Blankets and spreads. G. Ostino. 199,687; June 16; Serial No. 193,675; published Sept. 30, 1924.
Cloths and dusters, Untreated textile polishing. Jones Brothers, Limited. 199,816; June 16; Serial No. 188,372; published Apr. 7, 1925.
Cotton and silk and cotton and artificial-silk piece goods. E. H. Behrens & Co. 199,689; June 16; Serial No. 206,393; published Mar. 31, 1925.
Cotton piece goods. American Bleached Goods Company. 199,813; June 16; Serial No. 184,200; published Apr. 7, 1925.
Cotton piece goods. John King & Son. 199,639; June 16; Serial No. 201,145; published Apr. 7, 1925.
Cotton piece goods. M. H. Oppenheimer & Co. 199,860; June 16; Serial No. 209,866; published Apr. 7, 1925.
Cotton piece goods. Thomas, Lake & Whiton, Inc. 199,775; June 16; Serial No. 208,285; published Apr. 7, 1925.
Cotton piece goods and other textile fabrics. National Fabric and Finishing Company. 199,783; June 16; Serial No. 205,126; published Mar. 10, 1925.
Cotton, wool, linen, etc., fabrics, and embroideries. Heberlein & Co., A. G. 199,737; June 16; Serial No. 207,740; published Mar. 31, 1925.
Damask. J. N. Richardson Sons & Owden Ltd. 47,362; renewed Oct. 31, 1925.
Embroidered textiles and textile fabrics. John Wanamaker, New York. 199,674; June 16; Serial No. 205,846; published Mar. 31, 1925.
Fabrics made of wool and silk yarns. Monomac Spinning Company. 199,881; June 16; Serial No. 209,308; published Apr. 7, 1925.
Filter fabrics made of cotton. Unity Cotton Mills. 199,763; June 16; Serial No. 208,539; published Mar. 31, 1925.
Flannel piece goods and knitted fabrics. C. H. Lawrence. 199,729; June 16. Serial No. 207,938; published Apr. 7, 1925.
Handkerchiefs. Butler Brothers. 199,862; June 16; Serial No. 209,973; published Apr. 7, 1925.
Handkerchiefs. Strauss Bros. & Co. 199,852; June 16; Serial No. 209,709; published Apr. 7, 1925.
Laces. Badish & Holt. 199,806; June 16; Serial No. 171,447; published Mar. 31, 1925.
Ribbons in the piece. R. H. Macy & Co. 199,685; June 16; Serial No. 194,553; published Apr. 7, 1925.
Rugs, mats, and laces. Pacific Orient Company. 199,736; June 16; Serial No. 207,755; published Apr. 7, 1925.
Silk, cotton, etc., piece goods. Bianchini Ferier. 199,607; June 16; Serial No. 209,153; published Mar. 24, 1925.
Silk or silk-mixture textiles. J. H. & C. K. Eagle, Inc. 199,722; June 16; Serial No. 208,139; published Mar. 31, 1925.
Silks, ribbons, and mixtures in the piece. Jos. Grinsfelder & Sons, Inc. 199,807; June 16; Serial No. 173,352; published Nov. 4, 1924.
Textile fabrics. Eagle Piece Dye Works. 199,791; June 16; Serial No. 204,590; published Apr. 7, 1925.
Wool cloth for suits, overcoats, and wearing apparel. Ford Naylor, Inc. 199,706; June 16; Serial No. 209,173; published Apr. 7, 1925.
Wool, cotton, and silk and mixtures of the same, Piece goods of. Societe Rodier. 199,658; June 16; Serial No. 206,546; published Apr. 7, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 199,845; June 16; Serial No. 209,634; published Apr. 7, 1925.

CLASS 43.

Threads, Cotton. Britton Threads, Inc. 199,760; June 16; Serial No. 208,559; published Mar. 31, 1925.
Yarns of cotton, wool, linen, etc. Heberlein & Co., A. G. 199,738; June 16; Serial No. 207,739; published Mar. 31, 1925.
Yarns, Worsted and cotton. Arlington Mills. 46,838; renewed Oct. 10, 1925.

CLASS 44.

Dental plaster and surgical plaster of Paris. Certain-teed Products Corporation. 199,755; June 16; Serial No. 206,767; published Mar. 31, 1925.
Dental pliers. Arrow Supply & Importing Company. 199,744; June 16; Serial No. 207,442; published Mar. 31, 1925.
Diagnosing instrument for the determination of heat dissipation from the body. R. R. V. Manufacturing Company. 199,748; June 16; Serial No. 207,346; published Mar. 31, 1925.
Electrosurgical apparatus for dissection, etc. Acme-International X-Ray Co. 199,661; June 16; Serial No. 198,494; published Oct. 23, 1924.
Manicure sets. Northam Warren Corporation. 199,705; June 16; Serial No. 209,186; published Apr. 7, 1925.
Pads, medical, coils, and massage vibrators, Warming. L. A. Olmsted. 199,804; June 16; Serial No. 170,669; published Mar. 31, 1925.
Pessaries, double-action syringes, etc. F. K. Oepping. 199,790; June 16; Serial No. 204,720; published Mar. 31, 1925.
Plasters and pads for treating abnormal growths and conditions of the feet. Arrowsmith Manufacturing Company. 199,690; June 16; Serial No. 192,878; published Apr. 7, 1925.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,688; June 16; Serial No. 192,881; published Apr. 7, 1925.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,691; June 16; Serial No. 192,877; published Apr. 7, 1925.
Supports for the arches and other parts of the feet. Arrowsmith Manufacturing Company. 199,692; June 16; Serial No. 192,875; published Apr. 7, 1925.

CLASS 45.

Beverages and mineral water and essences of herbs for making same. E. Braun. 199,626; June 16; Serial No. 202,374; published Mar. 31, 1925.
Beverages and syrups for manufacturing same, Tonic. Coca-Cola Company. 47,189; renewed Oct. 31, 1925.
Ginger ale. Buckeye Producing Co. 199,840; June 16; Serial No. 209,525; published Mar. 31, 1925.
Water, Mineral. Paulson Medicinal Well Co. 199,779; June 16; Serial No. 205,353; published Mar. 31, 1925.

CLASS 46.

Alimentary pastes. A. Musher. 199,781; June 16; Serial No. 205,282; published Mar. 31, 1925.
Apples and pears. White Bros. & Crum Co. 199,612; June 16; Serial No. 209,012; published Mar. 24, 1925.
Apples, cantaloupes, pears, cherries, etc. F. E. Nellis & Company. 199,616; June 16; Serial No. 199,555; published Sept. 30, 1924.
Beans, Baked. Joseph Campbell Company. 47,154; renewed Oct. 31, 1925.
Candies. H. Brune. 199,802; June 16; Serial No. 178,163; published Nov. 27, 1923.
Candies. Sperry Candy Company. 199,606; June 16; Serial No. 209,192; published Mar. 24, 1925.
Candy. Adam Hoffman Company. 199,762; June 16; Serial No. 208,545; published Mar. 31, 1925.
Candy. Foster Honey and Mercantile Co. 199,641; June 16; Serial No. 200,677; published Apr. 7, 1925.
Candy. Hawley & Hoops. 199,653; June 16; Serial No. 202,210; published Nov. 18, 1924.
Candy. Robert A. Johnston Company. 199,623; June 16; Serial No. 200,765; published Nov. 4, 1924.
Candy. Nunnally Company. 199,591; June 16; Serial No. 195,456; published July 1, 1924.
Candy. Sweets Company of America, Incorporated. 199,794; June 16; Serial No. 204,879; published Apr. 7, 1925.

Candy. Universal Theatres Concession Company. 199,596; June 16; Serial No. 198,488; published Mar. 31, 1925.
Candy. P. Wunderle. 47,305; renewed Oct. 31, 1925.
Canned fruits and vegetables and jam. Pikeville Canning & Preserving Company. 199,614; June 16; Serial No. 208,927; published Mar. 24, 1925.
Canned fruits, berries, and vegetables. Eugene Fruit Growers Association. 199,625; June 16; Serial No. 208,798; published Mar. 31, 1925.
Canned goods. S. A. Smith Company. 199,602; June 16; Serial No. 179,235; published Jan. 8, 1924.
Canned peas. Beaver Canning Company. 199,752; June 16; Serial No. 206,874; published Mar. 31, 1925.
Canned peas and corn. Keene-Belvidere Canning Company. 199,619; June 16; Serial No. 199,260.
Canned salmon. Shepard Point Packing Company. 199,842; June 16; Serial No. 209,550; published Mar. 31, 1925.
Canned shrimp. Marine Products, Incorporated. 199,696; June 16; Serial No. 190,262; published Apr. 7, 1925.
Canned spiced fish meats. Bonance & Baton. 199,764; June 16; Serial No. 208,504; published Apr. 7, 1925.
Canned vegetables. B. Cole Jr. & Co. 199,592; June 16; Serial No. 194,395; published July 1, 1924.
Canned vegetables. Cuyler Packing Corp. 199,633; June 16; Serial No. 204,997; published Mar. 31, 1925.
Canned vegetables, fruit jelly, and preserved fruit. Interstate Wholesale Grocers, Inc. 199,758; June 16; Serial No. 208,598; published Mar. 31, 1925.
Chocolate and cocoa products. Hershey Brothers. 199,656; June 16; Serial No. 201,668; published Nov. 18, 1924.
Chocolate nut bar, Milk-. Klein Chocolate Company. 199,604; June 16; Serial No. 209,324; published Mar. 24, 1925.
Coffee. Berdan Co. 199,717; June 16; Serial No. 208,220; published Apr. 7, 1925.
Coffee. McCord-Stewart Co. 199,751; June 16; Serial No. 207,068; published Mar. 31, 1925.
Coffee, Roasted. Geo. R. Newell & Co. 199,588; June 16; Serial No. 196,609; published Sept. 30, 1924.
Flour, Wheat. Bay City Milling Company. 199,665; June 16; Serial No. 208,508; published Mar. 31, 1925.
Flour, Wheat. Piedmont Mills Inc. 44,878; renewed July 4, 1925.
Fruits and fresh pears, Dried. James Mills Orchards Corporation. 199,757; June 16; Serial No. 208,599; published Mar. 31, 1925.
Fruits and grapes. Pioneer Fruit Company. 199,716; June 16; Serial No. 208,606; published Mar. 31, 1925.
Fruits, fresh grapes, fresh citrous fruits, melons, and eggs and dressed poultry. Fresh deciduous. J. J. Graves. 199,767; June 16; Serial No. 208,894; published Apr. 7, 1925.
Ham, bacon, and sausage. Chandler and Rudd Company. 199,682; June 16; Serial No. 196,431; published Apr. 7, 1925.
Lard substitutes. Aspegren & Co. 199,817; June 16; Serial No. 188,290; published Mar. 25, 1924.
Lemons, Fresh. James Mills Orchards Corporation. 199,766; June 16; Serial No. 208,414; published Mar. 31, 1925.
Macaroni. L. Lambrose & Company. 199,836–7; June 16; Serial Nos. 208,710–11; published Mar. 31, 1925.
Mayonnaise and Thousand Island salad dressing, sandwich spread, and olive mayonnaise. Kellogg Products, Inc., 199,643; June 16; Serial No. 199,942; published Mar. 31, 1925.
Mayonnaise, olive mayonnaise, catchup, and chili sauce. Austin, Nichols & Co. 199,761; June 16; Serial No. 208,550; published Mar. 31, 1925.
Oil, Olive. A. Deluca. 199,886; June 16; Serial No. 208,644; published Mar. 31, 1925.
Oil, Olive. La Montagne Brothers, Inc. 199,889; June 16; Serial No. 208,661; published Mar. 31, 1925.
Pastry Service shells. Novelty Products, Inc. 199,667; June 16; Serial No. 206,430; published Mar. 31, 1925.
Pie fillings, cream filling, and jelly powder. Columbia Food Products Co. 199,740; June 16; Serial No. 207,709; published Apr. 7, 1925.
Potato chips and mayonnaise salad dressing. A. I. Hormats. 199,784; June 16; Serial No. 208,068; published Mar. 31, 1925.
Rice. Rosenberg Bros. & Co. 199,695; June 16; Serial No. 190,980; published Mar. 17, 1925.
Sandwiches, Toasted. King Bun Company. 199,756; June 16; Serial No. 206,872; published Apr. 7, 1925.
Sausage. G. H. Hammond Company. 199,789; June 16; Serial No. 204,768; published Mar. 31, 1925.
Sirup, Corn. Union Starch & Refining Company. 199,647; June 16; Serial No. 203,919; published Apr. 7, 1925.
Sirup, Table. Union Starch & Refining Company. 199,648; June 16; Serial No. 208,914; published Apr. 7, 1925.
Sirups. H. T. Cottam & Company. 199,759; June 16; Serial No. 208,572; published Apr. 7, 1925.
Sirups. Towle Syrup Company. 27,113; renewed Oct. 1, 1925.
Soups. Joseph Campbell Company. 47,153; renewed Oct. 31, 1925.
Stearine for food purposes, Deodorized vegetable. Procter and Gamble Company. 199,771; June 16; Serial No. 208,312; published Apr. 7, 1925.
Tea and coffee. Delano, Potter & Co. 199,608; June 16; Serial No. 209,122; published Mar. 24, 1925.
Tea, Uncolored Japan. E. B. Miller & Co. 47,146; renewed Oct. 31, 1925.
Teas. G. B. Farrington Company. 199,620; June 16; Serial No. 199,934; published Mar. 31, 1925.

CLASS 47.

Champagne. American Wine Co. 46,969; renewed Oct. 17, 1925.
Wines, Still and sparkling. C. F. Lauber. 47,606; renewed Nov. 14, 1925.

CLASS 49.

Rum. Felton & Co. 46,829; renewed Oct. 10, 1925.
Whisky. H. Blum. 199,630; June 16; Serial No. 204,392; published Mar. 31, 1925.
Whisky. C. F. Lauber. 47,561; renewed Nov. 14, 1925.

CLASS 50.

Curtains, Window. M. S. Smith. 199,645; June 16; Serial No. 199,651; published Mar. 10, 1925.

ALPHABETICAL LIST OF LABELS.

Accuracy In Daintiness. For Wrist Watches. Adolphe Schwob, Inc. 28,839; June 16.
All Sweet Brand Almonds With The Skins On. For Packaged Almond Meats. W. Prentiss, Jr. 28,837; June 16.
Always Fresh. For Coffee. Jas. H. Forbes Tea & Coffee Co. 28,813; June 16.
American Anglo-Yiddish Calendar. For Calendars. Anglo-Yiddish Calendar Co. 28,793; June 16.
American Beauty. For Pasteurised American Loaf Cheese. E. Kahn's Sons Company. 28,823; June 16.
American Beauty. For Pasteurised Pimento Loaf Cheese. E. Kahn's Sons Company. 28,822; June 16.
American Beauty. For Pasteurised Swiss Loaf Cheese. E. Kahn's Sons Company. 28,821; June 16.
Blair's No. 7 Herb Tonic. For Herb Tonic. Blair & Son Medicine Co. 28,797; June 16.
Bump Off For Sore Faces. For a Lotion. Sutton & Alderman, Druggists. 28,844; June 16.
Bushy Hair Tonic. For Hair Tonic. Gardaras-Georgopoulos Co. 28,802; June 16.
Camel. For Fresh Oranges. Orange Heights Fruit Association. 28,835; June 16.
Cameo. For Porcelain Enamel Products. California Metal Enameling Co. 28,801; June 16.
Children's Circus. For Rubber Stamps. Joggerst Manufacturing Company. 28,820; June 16.
Choose Between These Two Delightful Armand Powders. For Face Powder. Armand Company. 28,795; June 16.
Columbia High Tension Radio "B" Battery. For Electric Batteries. National Carbon Company. 28,833; June 16.
Cowan's Big 5 Laundry Blue. For Laundry Blue. C. M. Cowan & Company. 28,804; June 16.
C-Printing Manila. For Paper. Groveton Paper Company. 28,816; June 16.
Delight. For Cantaloupes. Farmers Produce Company. 28,811; June 16.
Detroits Original Stout. For Malt Extract. F. L. Brzoska. 28,799; June 16.
Dr. Kindick's Tooth Brush Antiseptic. For Tooth Brush Cabinets. R. H. Gindick. 28,814; June 16.
Duro. For Automobile Cleaner. P. Engstrum. 28,810; June 16.
Dutch Lunch, a Meister Product, Made in the Country. For Candy Bars. Meister Candy Company. 28,829; June 16.
Golden Dip Salad Dressing. For Salad Dressing. H. Edwards. 28,808; June 16.
Herb Tea. For Herb Tea. R. Maurer. 28,828; June 16.
Hickory Shirred Elastic. For Elastic. A. Stein & Company. 28,843; June 16.
Honey Nut Weat. For Uncooked Breakfast Food. National Farm Products Co. 28,834; June 16.
Imperial Elixir. For Hair Tonics. Imperial Perfumery and Barber's Supplies, Inc. 28,819; June 16.
Iona Special Blend. For Coffee. Great Atlantic & Pacific Tea Company. 28,815; June 16.
J. Chas. Tippett's Cough, Croup, & Hooping Cough Syrup. For Cough, Croup, and Whooping-Cough Sirup. J. C. Tippett. 28,845; June 16.
Kactus Mellow. For Cactus Dessert and Cake Patties Filled with the Dessert. Cactus Products Company. 28,800; June 16.

Kleckner's. For Pure Spanish Paprika. D. Kleckner. 28,826; June 16.
L-B. For a Preparation for the Treatment of Mange. C. B. Eaton Chemical Company. 28,807; June 16.
Le Baume Rosé. For Hand and Face Lotion. F. N. Beard. 28,796; June 16.
Lushus Fruit Preserves. For Preserves. D. B. Scully Syrup Co. 28,841; June 16.
Miami Sea Salt. For Sea Salt. J. Engler. 28,809; June 16.
Minerva. For Fresh Pineapple. West Indies Fruit Importing Co. 28,847; June 16.
Monarch Germ-A-Side. For Germicide. Monarch Laboratories, Inc. 28,831; June 16.
Nu-Platen. For Containers of Nu-Platen. R. T. Davis. 28,805; June 16.
On Time All The Time. For Watches. Adolphe Schwob, Inc. 28,840; June 16.
100% Bran. For Cereal Breakfast Food. Kellogg Company. 28,824; June 16.
Pain Cracker. For Medicinal Plasters. Duane Remedies Corporation. 28,806; June 16.
Paint. For House Paints, Floor Paints, Roof Paints, Varnish Stains, Enamels, Cement Paints, and Paints in General. Progress Paint Mfg. Co. 28,838; June 16.
Parrot Talkagraph. For Transcribing and Reproducing Disk Attachments. Kinwit Co. Inc. 28,825; June 16.
Red Raven. For Brooms. E. H. Hunt. 28,818; June 16.
Ski-Bow. For Playing Cards. S. F. Hansel. 28,817; June 16.
Skidoo Creamy Cleanser. For Cleansing Paste. The Skidoo Company. 28,842; June 16.
Speedex Ansco Film. For Photographic Films. Ansco Photoproducts, Inc. 28,794; June 16.
Stout-Arch Shoes. For Shoes. Lane Bryant, Inc. 28,798; June 16.
The New Velvet Fountain Pen Ink. For Ink. Velvet Ink Co. 28,846; June 16.
The Original Receiving Set. For Miniature Toilet Sets. H. Fishelov & Co. 28,812; June 16.
Vista Del Monte. For Grapes. W. H. Lorens. 28,827; June 16.
We thank you for the order that caused this box of thirty, ten cent packages of California Almond Tallé. For a Confection. W. Prentiss, jr. 28,836; June 16.
Whisk Cleans Everything without Suds. For Cleansing Powder Prepared in Granular and Powdered Form. Chemical Products Co. of America. 28,803; June 16.
Whole Wheat. For Bread. Miller-Parrott Baking Co. 28,830; June 16.
Yucca. For Oranges. Mutual Orange Distributors. 28,832; June 16.

ALPHABETICAL LIST OF PRINTS.

A food you can safely prescribe because it is always the same. For Wheat Breakfast Food. Cream of Wheat Co. 7,995; June 16.
Be sure to see that it's "B. V. D." For Athletic Underwear. B. V. D. Company. 7,985; June 16.
De Luxe Daintie. For Cake Decorators. De Luxe Cake Decorator Company. 7,998; June 16.
Every 500 Miles. For Lubricating Apparatus. Bassick Manufacturing Company. 7,993; June 16.
Fleur de Nuit. For Perfume. Babbitt Company. 7,988; June 16.
Free—Only One to A Person. For Perfume. Babbitt Company. 7,987; June 16.
Good-wingfoot-Year Balloons They Wear Long—Increase Braking Efficiency—Reduce Repair Bills—Improve Appearance of Your Car—Afford Better Traction—Make Your Car Last Longer and The Cost Is Low. For Vehicle Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,000; June 16.
High Grade Industrial Chemicals. For Acids, Alums, Alumina, Sulphate of Alumina, Soda Products, Salt, Lyes, Liquid Chlorine, Chlorine Products, Chlorine Gas, Hydrogen Gas, Gas Purifiers, Heavy Chemicals, Water Softeners and Cleansers, Kryolith, Bauxite, and Nitrate of Soda. Pennsylvania Salt Manufacturing Company. 8,003; June 16.
Important Special Coupon For You. For Perfume. Babbitt Company. 7,991; June 16.
Look before you leap. For Athletic Underwear. B. V. D. Company. 7,983; June 16.
"Looking for the label" after you're sorry won't change it to "B. V. D."! For Athletic Underwear. B. V. D. Company. 7,984; June 16.
Sunburst Coal. For Coal. Lansing Ice & Fuel Co. 8,002; June 16.
Take extra care in feeding during baby's second summer. For Wheat Breakfast Food. Cream of Wheat Co. 7,997; June 16.
The Babbitt Company, Inc.—Dear Customer: Many thanks for your order for "Fleur de Nuit" Double Compact. For Compacts. Babbitt Company. 7,992; June 16.
The Babbitt Company, Inc.—Dear Customer: We know that you cannot help but be pleased with this, our "Three Bottle Special" Perfume. For Perfume. Babbitt Company. 7,990; June 16.
The Kane Antennæ. For Antennæ for Radios. Kane Antennae Company. 8,001; June 16.
The Marvo Oriental Girl. For Bath Powder. Bramwell Manufacturing Company. 7,994; June 16.
Thirty Years Ago Chauncey Depew Told Men How To Keep Fit. For Wheat Breakfast Food. Cream of Wheat Co. 7,996; June 16.
Valuable Coupon—Another one of our big advertising features to better acquaint the women of America with Babbitt's Fleur de Nuit products. For Compacts. Babbitt Company. 7,989; June 16.
Valuable Coupon entitling the holder to Babbitt's Famous "Three Bottle Special." For Perfume. Babbitt Company. 7,986; June 16.
You would be too courteous to embarrass a guest in a situation like this. For Crane's Cordlinear. Eaton, Crane & Pike Company. 7,999; June 16.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Wool, artificial straw and horsehair, staple and mixed raw fibers, etc., Raw. Naamlooze Vennootschap Nederlandsche Kunstzijdefabriek. 211,539; June 16.

CLASS 2.

Bags and flexible containers. Cottonluxe Manufacturing Co. 212,891; June 16.
Bins and tanks, Sheet-metal. Columbian Steel Tank Company. 206,941; June 16.
Bottles, Vacuum. Great Northern Mfg. Co. 212,609; June 16.
Containers or receptacle, Heat-insulated. J. E. O'Brien. 212,287; June 16.
Paper bags. American Lakes Paper Company. 202,476; June 16.
Paper garment bags. Roseth Corporation. 212,753; June 16.
Tanks, Iron and steel. Pfaudler Company. 213,039; June 16.

CLASS 3.

Bags, Shopping, school, and bathing. Lederer Utility Bag Co. 195,699; June 16.
Trunks and hand luggage. Oshkosh Trunk Company. 212,094–5; June 16.
Wallets and portfolios. J. A. Parker. 213,732; June 16.

CLASS 4.

Oil-stain remover. Drake Corporation. 213,700; June 16.
Soap. Globe Soap Company. 213,634–5; June 16.
Soap. Chas. W. Young & Co. 212,844; June 16.

CLASS 5.

Adhesive cloth. Western Fur Co. 212,659; June 16.
Cement, Mending. O. L. Albertson. 210,995; June 16.

CLASS 6.

Absorbent, alteratives, analgesics, etc. Lehn & Fink, Inc. 210,406; June 16.
Alcohol, Scented spirits medicated. Lehn & Fink, Inc. 210,483; June 16.
Almond meal. Lehn & Fink, Inc. 210,468; June 16.
Alteratives, analgesics, anæsthetics, anodynes, etc. W. Taggart. 198,199; June 16.
Antiseptic and deodorant powder. Reese Chemical Co. 212,750; June 16.
Baking powder, Bateman drops, castor oil, quinine, etc. Webb Manufacturing Company. 211,815; June 16.
Batteries, Fluid for storage. Daley Electric Chemical Company. 210,292; June 16.
Cleansing solvent for drains. S. Lewis. 206,302; June 16.
Cream, Cold. Lambert Pharmacal Company. 212,623; June 16.
Cream for sunburn, tan, chapped hands, face, and lips. F. A. Gardner. 209,396; June 16.
Cream, Vanishing. Lehn & Fink, Inc. 210,459; June 16.
Creams, face powders, rouge, etc. Chicago Hairdressing Academy, Inc. 210,712; June 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Dandruff, eczema of the scalp, falling hair, etc., Preparation for the treatment of. J. W. McClendon. 211,794; June 16.
Dental preparations. R. J. Vaughan. 209,756; June 16.
Digitalis, Tincture of. Parke, Davis & Company. 213,142; June 16.
Douche or wash. C. M. Mitchell. 213,184; June 16.
Dyes. Monroe Drug Company. 212,278; June 16.
Hair, Pomade for the. Standard Laboratories, Inc. 206,331; June 16.
Hair tonic. B. Borowikow. 212,783; June 16.
Hair tonic, cold cream, and cold tablets. F. A. Gardner. 209,397; June 16.
Insecticides. D. W. Manners. 212,744; June 16.
Laxative medicine. Prescription House, of Houston. 210,577; June 16.
Liniment, A. J. Durrenberger. 211,738; June 16.
Massage lotion, cold creams, face powders, and wrinkle remover. C. L. Wheeler. 195,473; June 16.
Medicinal preparation. M. Murphy. 210,133; June 16.
Medicinal preparation. Mag Rhu Company. 212,624; June 16.
Medicinal preparations for dyspepsia, etc. A. J. Ditman. 213,067; June 16.
Medicinal salts. Toksion Chemical Corporation. 211,878; June 16.
Medicine for coughs, colds, etc. M. V. Boutté. 213,221; June 16.
Medicine for whooping cough. J. M. Glover. 208,908; June 16.
Nail polish. Bevil, Inc. 210,111; June 16.
Oil, Antiseptic. A. C. Benkwitz Bruhn. 213,111; June 16.
Oil, Homogenised cod-liver. Fairchild Bros. & Foster. 213,289; June 16.
Oil, Mineral. Lehn & Fink, Inc. 210,461; June 16.
Oils, Essential. Heine & Co. 213,505–9; June 16.
Oils, Essential. Heine & Co. 213,511; June 16.
Perfumes, toilet waters, rouges, face and talcum powders, etc. 212,587; June 16.
Pills, Kidney and bladder. J. R. Watkins Company. 213,270; June 16.
Plasters. Seamless Rubber Company. 211,761; June 16.
Powder, cold, vanishing, and tissue creams, perfumes, tooth paste, etc., Face. E. A. Allan. 198,440; June 16.
Powder, Face-cream. Mrs. H. T. Graham. 203,078; June 16.
Preparation for bleaching and disinfecting purposes. Henkel & Cie. Gesellschaft mit beschränkter Haftung. 202,702; June 16.
Preparation for coughs, colds, hoarseness, asthma, etc., Liquid. Bertol Drug Corp. 197,698; June 16.
Preparation for the human hair and head. Tetra Laboratories, Inc. 212,512; June 16.
Preparation for the removal of hair. A. Maier. 213,246; June 16.
Preparation for treating goiter. H. Schmidt. 197,390; June 16.
Remedy for dyspepsia, indigestion, nervousness, etc. Conquerine Company. 212,719; June 16.
Remedy for whooping cough, asthma, etc. Lehn & Fink, Inc. 210,485; June 16.
Rouges and lip sticks. J. Donnelly. 213,228; June 16.
Soda, Silicate of. Philadelphia Quartz Company. 209,937; June 16.
Solution for the treatment of cancer. S. S. Posavac. 191,403; June 16.
Suppositories, Vaginal. G. M. Stubblefield. 207,893; June 16.
Tonic or remedy for poultry. C. H. Hubbard. 212,263; June 16.
Tyne-cleaning composition. F. Pfeffer. 212,961; June 16.
Washes, Mouth. Elliott Co. 213,231; June 16.

CLASS 8.

Pipes and cigar and cigarette holders, Smokers'. Kaufmann Bros. & Bondy. 212,335; June 16.

CLASS 9.

Pistols, revolvers, rifles, guns, ammunition, etc. Rheinische Metallwaaren- und Maschinenfabrik. 202,953–4; June 16.

CLASS 13.

Butts. Stanley Works. 214,284; June 16.
Christmas-tree ornaments, Hangers for. J. J. Etges. 212,679; June 16.
Enameled hollow ware. Aktiebolaget Separator. 208,497; June 16.
Hinges. Stanley Works. 214,286–7; June 16.
Pipes, Cast-iron. Faultless Castings Co. 212,601; June 16.
Rubber force cups, basin and sink stoppers. Unidex Rubber Company. 213,052; June 16.
Washes, Metal. Stanley Works. 214,285; June 16.

CLASS 14.

Metals and metal alloys. Arnold Metal Manufacturing Company. 212,117; June 16.

CLASS 15.

Gasoline and lubricating oils and greases. Independent Oil Men of America. 212,264–8; June 16.
Gasoline and lubricating oils and greases. Independent Oil Men of America. 212,269; June 16.
Gasoline, kerosene, lubricating oils and greases. Kuns Oil Co. 209,671; June 16.
Oils and greases. General Petroleum Corporation. 208,097; June 16.
Oils and greases, Lubricating. United Oil Company. 208,689; June 16.
Oils and greases, Lubricating. Lincoln Oil and Paint Company. 213,021; June 16.
Oils, Lubricating. Plough Chemical Company. 167,054; June 16.
Oils, Lubricating. J. E. Schlott. 207,264; June 16.
Oils, Sewing machine and motor. J. R. Watkins Company. 211,904; June 16.

CLASS 16.

Colors and lead in oil. Jas. H. Prince Paint Company. 195,768; June 16.
Oil and varnish stains. Jas. H. Prince Paint Company. 195,765; June 16.
Paint and varnish remover. D. G. Cleland. 212,542; June 16.
Paint, Wall. Geo. D. Wetherill & Co. 212,769; June 16.
Paints. Eugene E. Nice Company. 212,567–8; June 16.
Paints and ready-mixed colors in oil, House and paste. Jas. H. Prince Paint Company. 195,770; June 16.
Polishes. H. T. Nichols. 209,585; June 16.
Polishes, Automobile. H. C. Thompson. 205,242; June 16.
Varnish. Wadsworth, Howland & Co. 190,868; June 16.

CLASS 17.

Cigarettes. Beiser & Babayan. 172,492; June 16.
Cigars. Bayuk Cigars Incorporated. 211,968–70; June 16.
Cigars, cigarettes, manufactured smoking and leaf tobaccos. W. S. Fortune. 211,466; June 16.

CLASS 22.

Game, Card. B. E. Dale. 196,238; June 16.
Games, Card. G. J. Laframboise. 211,851; June 16.
Golf balls. Gimble Brothers, Inc. 178,917; June 16.
Golf balls. Faultless Rubber Company. 208,286; June 16.
Rubber dolls, balls, and animals, parlor games, etc. Société Française Treugolnik. 181,656; June 16.
Toy ranges and engines. Great Northern Mfg. Co. 212,611; June 16.
Toys and blanks from which to form such toys. Ted Morton Co. 178,351; June 16.
Wagons, etc., Children's coaster. Burnham Manufacturing Co. 213,360; June 16.

CLASS 23.

Blades and applicators, Wood tongue. John H. Mulholland Company. 212,450; June 16.
Concrete tools and machinery, etc. Ideal Concrete Machinery Company. 212,185; June 16.
Hammers, hatchets, planes, and braces. Vaughan & Bushnell Mfg. Co. 212,637; June 16.
Handles, Wooden tool. Turner Day & Woolworth Handle Company. 210,101; June 16.
Handles, Wooden tool. Turner Day & Woolworth Handle Company. 210,104; June 16.
Marking or painting lines or bands on streets, etc., Apparatus or machines for. Tennessee Tool Works, Inc. 210,866; June 16.
Pliers. Master Plier Corporation. 212,821; June 16.
Presses, Power. Fox Machine Company. 212,379; June 16.
Saws, axes, hatchets, adzes, and hammers, Hand, circular, and band. C. Moll. 206,182; June 16.
Spraying liquids, Machines for. Campbell-Hausfeld Company. 212,540; June 16.
Strand-examining machines. Cheney Brothers. 212,541; June 16.
Toast-sandwich machine. Holcomb & Hoke Manufacturing Company. 210,962; June 16.
Typewriting machines and parts thereof. Electrical Communigraph Company. 209,562; June 16.
Vacuum cleaning apparatus. Maico Products Corporation. 213,446; June 16.
Wrenches. J. Sisolak. 212,509; June 16.

CLASS 26.

Precision instruments, Vernier adjusters for. G. H. Taber. 212,839; June 16.

CLASS 29.

Dusters, Unimpregnated cloth. Keystone Sanitary Supply Co. 211,664; June 16.
Toothbrushes. Pebeco, Inc. 210,498; June 16.

CLASS 33.

Bowls, shades, domes, prisms, etc., made of glass. Incandescent Supply Company. 199,626; June 16.
Salad sets, cosmetic jars, etc. Franklin Novelties, Inc. 208,648; June 16.

CLASS 39.

Aprons, bonnets, boots, dresses, gloves, etc. Erd Marshall Co. 207,186; June 16.
Bath robes. F. C. Huyck & Sons. 197,151; June 16.
Bathing suits, sweaters, shirts, etc. Sperry & Hutchinson Company. 211,954; June 16.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Blouses and jumpers, Boys'. M. Bacon. 209,270; June 16.
Boots and shoes. Ault-Williamson Shoe Co. 212,522; June 16.
Boots and shoes. Ault-Williamson Shoe Co. 212,991; June 16.
Boots and shoes. Graham-Bumgarner Company. 213,133; June 16.
Boots, shoes, and oxfords. Huiskamp Bros. Co. 194,350; June 16.
Boots, shoes, and slippers. H. E. Slayton. 198,427; June 16.
Boots, shoes, and slippers. Sawyer Boot & Shoe Co. 211,950; June 16.
Clothing, Men's, boys', and youths'. Chas. Douglis Mack Co. 213,229; June 16.
Coats, frocks, and suits, Women's and girls'. M. Nathan and Brother, Incorporated. 211,756; June 16.
Coats, vests, suits, and trousers. Jain-Sol Clothing Co. 211,935; June 16.
Dresses, boys' suits, creepers, and rompers, Girls'. H. E Rust. 211,710; June 16.
Frocks. Kaumagraph Co. 213,242; June 16.
Gowns, bloomers, etc., Ladies' and misses'. American Maid Undergarment Co. 208,090; June 16.
Hats, Children's. Fishbein & Kaplan. 193,997; June 16.
Hats, hat frames and linings, Women's. Apex Hat Frame Co. 212,226; June 16.
Hats, Ladies'. Simon Millinery Supply Co. 210,762; June 16.
Hats, Ladies'. Paris Wholesale Millinery Company. 211,222; June 16.
Hosiery. Peerless-W-Company. 212,028; June 16.
Hosiery. R. Rakofsky. 212,102; June 16.
Hosiery. Pennsylvania Silk Hosiery Mills, Inc. 212,826; June 16.
Hosiery and knitted and netted underwear. Richmond Hosiery Mills. 199,324; June 16.
Hosiery and underwear. M. Alperin & Sons, Inc. 208,216; June 16.
Hosiery, sweaters, dress and work shirts, etc. T. J. Cooper & Sons. 212,423; June 16.
Mufflers and reefers. M. & H. Block Co. 211,152; June 16.
Neckties. Grip Bow Tie Company. 206,978; June 16.
Shirts. J. D. Silberstein & Sons, Inc. 212,046; June 16.
Shirts, Men's. J. Lichtman. 211,599; June 16.
Shoes. Traveler Shoe Company. 210,256; June 16.
Shoes. W. Saklad. 210,317; June 16.
Shoes. H. W. Merriam Shoe Company. 212,277; June 16.
Shoes, Babies' soft-soled. Endicott Johnson Corporation. 211,522; June 16.
Shoes, Men's leather. Florsheim Shoe Company. 200,879; June 16.
Shoes, Women's leather. Veilman, Lawrence Co. 209,512; June 16.
Stiffeners for boots and shoes. Preble-Thompson Box Toe Company. 212,457; June 16.
Stockings. F. Mahn. 213,245; June 16.
Suits. L. J. & C. D. Jaffee, Inc. 206,529; June 16.
Suits and overcoats, Men's. Blum & Spiselman. 209,524; June 16.
Suits, Men's. Gottfried-Weiss Co. 213,018; June 16.
Suits, topcoats, caps, etc., Men's. Burkhardt Bros. Co. 210,707; June 16.
Sweatbands. Harris & Tipograph, Inc. 210,387; June 16.
Trousers, Men's. H. Srenco. 211,063; June 16.
Underwear, gloves, dresses, etc. Alms & Doepke Co. 192,296; June 16.
Uniforms and dresses. Betsy Brown Garment Co. 190,147; June 16.

CLASS 42.

Billiard cloth. Brunswick-Balke-Collender Company. 213,481; June 16.
Billiard cloth. Brunswick-Balke-Collender Company. 213,483–4; June 16.
Cotton and linen goods in the piece. Jacob Miller's Sons Co. 210,802; June 16.
Cotton, etc., piece goods. Edgar K. Frank & Co. 213,705; June 16.
Cotton piece goods. American Bleached Goods Company. 211,146; June 16.
Cotton piece goods. Spartan Mills. 211,303; June 16.
Cotton, wool, etc., fabrics. Turner & Vandam, Inc. 213,675; June 16.
Cotton, wool, silk, and artificial silk fabrics, and combinations of the same. Turner & Vandam, Inc. 213,601; June 16.
Doilies. Bernard Rice's Sons, Inc. 212,152; June 16.
Fabrics in the piece, Pile. Sidney Blumenthal & Co. 213,478; June 16.
Hair nets. K. Than. 211,960; June 16.
Lace in the piece, Hand-embroidered netted. M. Fertig. 212,680; June 16.
Mohair piece goods and piece goods of combinations. Goodall Worsted Co. 209,985; June 16.
Rugs, laces, and embroideries, Chinese. M. S. Crow, Inc. 206,827; June 16.
Sateen in the piece. Chas. R. De Bevoise Co. 196,514; June 16.
Scarfs, table runners, and small floor rugs. H. M. Cook. 212,121; June 16.
Sheetings, drills, and drapery cloths. Fearing, Whiton & Co. 208,582; June 16.
Shirtings, Cotton. W. J. Baxter Co. 193,320; June 16.
Silk, artificial silk, wool, etc., piece goods. Haas Brothers Fabrics Corporation. 212,732; June 16.
Silk piece goods. Lewis-Rieser Co. 213,581; June 16.
Towels. Carson Pirie Scott & Co. 212,854; June 16.
Woolen piece goods. M. Garfunkel. 195,953–4; June 16.
Woolen piece goods. Forstmann & Huffmann Company. 212,681; June 16.
Woolen piece goods. Forstmann & Huffmann Company. 218,629; June 16.

CLASS 43.

Rubber thread. United States Rubber Company. 198,769; June 16.
Yarn. Fibre Development Company. 212,326; June 16.
Yarn made from degummed flax fiber. Fibre Development Company. 212,327; June 16.
Yarn made from degummed jute fiber. Fibre Development Company. 212,328; June 16.

CLASS 44.

Deafness and impaired hearing, Apparatus for the treatment of. Audiotone Company. 204,926; June 16.
Gauze for surgical use. A. Lumiere Laboratories. 212,499; June 16.
Perfumizers. Franklin Simon & Co. 212,791; June 16.

CLASS 45.

Beverage sold as a soft drink and sirups and extracts for making same. Kola-Mist Syrup and Extract Co. 200,819; June 16.
Beverages. Tip-Top Bottling Company. 211,877; June 16.
Beverages sold as soft drinks. C. A. L. Reed. 212,201; June 16.

CLASS 46.

Almonds, Chocolate-coated. Ko-Ko Kandy Co. 203,825; June 16.
Apples, Fresh. D. R. Bingham. 209,329; June 16.
Biscuits, crackers, cakes, and wafers. National Biscuit Company. 212,863; June 16.
Bread. Edw. Fox Baking Co. 207,814; June 16.
Bread, cake, and doughnuts. W. L. Goodnow Co. 194,706; June 16.
Butter. F. J. Kaufman. 212,926; June 16.
Butter. P. E. Sharpless Co. 211,497; June 16.
Butter and cheese. Dels-Fertig Company. 212,897–8; June 16.
Candy. Blanke-Wenneker Candy Co. 211,252; June 16.
Candy. Bonita Co. 212,419; June 16.
Candy. H. Tomaszewski. 211,879; June 16.
Canned corn. Iowa Canning Co. 213,649; June 16.
Canned fish, Neptune Sea Food Company. 210,398; June 16.
Canned salmon, tunny fish, sardines, etc. R. C. Williams & Company. 209,115; June 16.
Cheese. T. M. Sinclair & Co. 212,833; June 16.
Coffee, tea, cocoa, and chocolate. Old Slip Tea Trading Company. 195,121; June 16.
Eggs. Vineland Co-Operative Poultry Asso., Inc. 204,685; June 16.
Feed, Chicken. West Texas Fuel Co. 196,417; June 16.
Feedstuffs—namely, a mixture of grain, alfalfa, and corn-sugar molasses. Corn Products Refining Company. 212,480; June 16.
Flour, bread, muffins, and cake. G. W. Moench. 191,081; June 16.
Flour, Wheat. Central Kansas Milling Company. 204,349; June 16.
Flour, Wheat. Colorado Milling & Elevator Co. 212,593; June 16.
Flour, Wheat. C. A. Gambrill Manufacturing Company. 205,918; June 16.
Flour, Wheat. Russell-Miller Milling Co. 212,641; June 16.
Flour, Wheat. Russell-Miller Milling Co. 212,966–7; June 16.
Fruits, Fresh citrous and deciduous. Mountain View Fruit Association. 209,557; June 16.
Haddock fillets, finnan haddie, salt codfish, etc. Bay State Fishing Company. 212,365; June 16.
Meal for use in poultry mashes. Lamar Alfalfa Milling Co. 210,671; June 16.
Middlings, Shorts Wheat. Russell-Miller Milling Co. 212,965; June 16.
Nuts sliced and salted, Shelled Brazil. United Fig & Date Company. 204,338; June 16.
Oil, Olive. E. Panza. 195,415; June 16.
Oleomargarine. John F. Jelke Company. 207,578; June 16.
Rice, wheat flour, corn meal, corn chops, shorts, and feeds, American Grocer Company. 207,488–9; June 16.
Rolls. E. Mandelbaum. 211,445; June 16.
Sauce or condiment, Edible. P. Baca. 211,566; June 16.
Spinach, Fresh. C. D. Jarratt Company. 207,081; June 16.

CLASS 48.

Sirup malt. L. Levy. 196,968; June 16.

CLASS 49.

Brandies, liqueurs, etc., and extracts for making alcoholic beverages. E. Braun. 210,039; June 16.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abbey, Albert W., and C. W. Dohm, assignors to The Continental Roofing and Manufacturing Company, Baltimore, Md. Shingle strip. Des. 67,565; June 16.
Acme Card System Company. (See Rosenberger, Andrew F., assignor.)
Adams, Bertram E., and J. A. Blair, Gold Hill, Oreg. Hydraulic power transmission. 1,542,206; June 16.
Adams, Frank A., assignor to George F. Merrell, Incorporated, Rochester, N. Y. Washing machine. 1,542,650; June 16.
Adelmann, Hans, assignor to Ham Boiler Corporation, New York, N. Y. Octagonal ham boiler. 1,542,023; June 16.
Adjustable Rack Company. (See Ebert, Walter R., assignor.)
Aetna Automatic Oil Burner, Incorporated. (See Scheminger, John, jr., assignor.)
Agricola, Karl A., et al. (See Agricola, Richard F., assignor.)
Agricola, Richard F., Saginaw, assignor of one-third to K. A. Agricola and one-third to W. L. Agricola, Detroit, Mich. Apparatus for refining metal. 1,541,778; June 16.
Agricola, William L., et al. (See Agricola, Richard F., assignor.)
Åkeriund, Åke O., Stockholm, Sweden. Screen for Röntgen-ray examination. 1,542,204; June 16.
Akers, Charles W., Nashville, Tenn. Mold for making concrete blocks. 1,542,021; June 16.
Aktiebolaget Arv. (See Hasait, Max, assignor.)
Aktiebolaget Gerh. Arehns Mekaniska Verkstad. (See Ekstrom, G. C., Örström, and Johnson, assignors.)
Albanese, Gaetano, Brooklyn, N. Y. Base for towel sterilizers and like apparatus. 1,541,777; June 16.
Aldendorff, Fritz, Berlin-Wilmersdorf, Germany, assignor to P. Kolisch, New York, N. Y. Electromechanical telephone system. 1,541,779; June 16.
Alessandro, Jack, Waco, Tex. Ice chute. 1,542,651; June 16.
Alexander, Thomas J., Selma, Calif. Truck. 1,542,028; June 16.
Allen, Ralph W., et al. (See Nyman, Carl J., assignor.)
Allen, William E. (See Taylor, Henry A., assignor.)
Allenson, John, St. Paul, Minn., assignor to St. Paul Foundry Company. Jail-locking mechanism. 1,542,205; June 16.
All-In-One Manufacturing Company, The. (See Lieberthal, Robert H., assignor.)
Allmendinger, Fredy, New York, N. Y. Lady's girdle. Des. 67,566; June 16.
Alterton, Guy E., San Francisco, Calif. Finger ring. Des. 67,567; June 16.
Alvord, W. C. (See Thomas, Edwin E., assignor.)
American Bottle Company, The. (See Stewart, Gayle D., assignor.)
American Car Company. (See Bryant, Harvey L., assignor.)
American Cyanamid Company. (See Cooper, Kenneth F., assignor.)
American Hoist & Derrick Company. (See Sederholm, John E., assignor.)
American Lithographic Company. (See Bamett, William H., assignor.)
American Lithographic Company. (See Dietsche, Adolph, jr., assignor.)
American National Company, The. (See Weber, John, assignor.)
American Optical Company. (See Tillyer, Edgar D., assignor.)
American Pulley Company, The. (See Bilger, Walter A., assignor.)
American Radiator Company. (See Eggiesten, Lewis W., assignor.)
American Telephone and Telegraph Company. (See Watson, Edward F., assignor.)
American Thread Company, The. (See Clark, Robert K., assignor.)
American Universal Mill Company. (See Grey, Henry, assignor.)
Ames, Glenn R., assignor to White Eagle Oil and Refining Company, Kansas City, Mo. Globe for gasoline pumps. Des. 67,568; June 16.
Amidon, Guy A. (See Lyreman, W. H., and Amidon.)
Amos, John A., assignor to Oliver Electric and Manufacturing Company, St. Louis, Mo. Lighting fixture. 1,542,594; June 16.
Anderson, Charles S., Port Angeles, assignor of one-half to T. F. Rixon, Beaver, Wash. Combination tool. 1,542,652; June 16.
Anderson, John S. (See Johnson, John G., assignor.)
Andreasen, Andreas B. (See Christensen, A. E., and Andreasen.)
Andrew, James M., Farrell, and E. T. Hadley, Sharon, Pa. Repairing furnace roofs. 1,542,351; June 16.
Anibal, Benjamin H., Cleveland, Ohio. Door. 1,542,595; June 16.
Ankeny, Floyd H., Chicago, Ill. Grapefruit-preparing device. 1,542,352; June 16.
Anthes, Albert N., assignor of one-half to R. F. Gunther, Quincy, Ill. Self-lubricating spring. 1,542,756; June 16.
Authony, Louis W., Albany, Oreg. Traction wheel. 1,542,206; June 16.
Archer, Thomas P. (See Heintz, E. E., and Archer.)
Arlington Machine Works, Inc. (See Carlson, John, assignor.)
Armbrust, Ferdinand, Jamestown, R. I. Attachment for plumbers' pots. 1,542,653; June 16.
Armour, Richard, Los Angeles, Calif. Drill jar and making same. 1,541,911; June 16.
Armour, William, Edinburg, Ind. Filling cup. 1,542,654; June 16.
Armstrong, Edwin H., Yonkers, N. Y., assignor, by mesne assignments, to Westinghouse Electric & Manufacturing Company. Wave signaling system. 1,541,780; June 16.
Armstrong, Thos H. (See Rigby, Albert V., assignor.)
Ash, James R., Guys Mills, Pa. Internal-combustion engine attachment. 1,542,353; June 16.
Asphalt Cold Mix Limited. (See Mackay, Hugh A., assignor.)
Atkinson, Ralph W. (See Fisher, H. W., and Atkinson.)
Atmospheric Nitrogen Corporation. (See Greathouse, Lucien H., assignor.)
Atsumi, Bunso, Tokyo, Japan. Power control in internal-combustion motors. 1,542,354; June 16.
Auld, John A. (See Jones, E. F., and Auld.)
Automatic Electric Company. (See Willis, Bernard D., assignor.)
Autopoint Manufacturing Company. (See Hasselquist, Hugo S., assignor.)
Axiotes, Anthony A., Newport, R. I. Lobster trap. 1,541,781; June 16.
Ayres, Elwood B., assignor to Proctor & Schwartz, Incorporated, Philadelphia, Pa. Steam humidifier. 1,542,655; June 16.
Asbill, John L., assignor of one-half to J. W. Roberts, Lexington, Tenn. Cotton-picker's truck. 1,541,888; June 16.
Baar, Peter, Zeeland, Mich. Chick container. 1,542,034; June 16.
Baets, Henry, St. Louis, Mo. Drying apparatus. 1,541,889; June 16.
Baker, Cornelius E., Indianola, Iowa. Disk sharpener. 1,542,757; June 16.
Baker, Hubert E., Muskegon Heights, Mich., assignor to Manning, Maxwell & Moore, Inc., New York, N. Y. Spring suspension for traveling cranes. 1,541,782; June 16.
Baker, James S. S., London, England. Bottle. Des. 67,569; June 16.
Baker, William E., assignor to Webb Engineering Company, Erie, Pa. Fuel-gas-generating plant. 1,542,758; June 16.
Baker, William E., assignor to Webb Engineering Company, Erie, Pa. Fluid-fuel burner. 1,542,759; June 16.
Baker, William E., assignor to Webb Engineering Company, Erie, Pa. Fluid-fuel burner. 1,542,760; June 16.
Ball, Henry P., assignor to Redtop Electric Co., Inc., New York, N. Y. Electric heater and stove. 1,542,330; June 16.
Ballman, Charles W., Indianapolis, Ind. Brush cleaner. 1,542,025; June 16.
Balod, Edward, New York, N. Y. Marlinespike. 1,542,656; June 16.
Bancel, Paul A., Nutley, assignor to Ingersoll-Rand Company, Jersey City, N. J. Condensing unit. 1,542,596; June 16.

Bansett, William H., Bergenfield, N. J., assignor to American Lithographic Company, New York, N. Y. Printing-press-tripping mechanism. 1,541,890; June 16.

Barbet, Emile A., Paris, France. Condensing arrangement of rectifying apparatus. 1,541,912; June 16.

Barkelew Electric Manufacturing Company, The. (See Denny, C. W., McLaughlin, and Helwig, assignors.)

Barker, George S., Denver, Colo. Vulcanizing machine. 1,542,207; June 16.

Barker, Guy E., Waterloo, Iowa. Pipe-bending apparatus. 1,542,355; June 16.

Barnes, Cassius A., Los Angeles, Calif. Shade bracket. 1,542,657; June 16.

Barr and Stroud, Limited. (See Macgill, Charles D., assignor.)

Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Automotive brake-control valve. 1,541,918; June 16.

Bartholomew, John R., Berkeley, Calif., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Brake-shoe head. 1,541,914; June 16.

Barton, T. J., et al. (See Patton, Samuel I., assignor.)

Bates, Albert H., Elgin, Ill., assignor, by mesne assignments, to The Hoover Company, North Canton, Ohio. Suction cleaner. 1,542,597; June 16.

Bates, Arthur, Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching uppers to soles in the manufacture of shoes. 1,541,783; June 16.

Bates, C. J., & Son. (See Watrous, William R., assignor.)

Bath, John, assignor to John Bath & Co., Inc., Worcester, Mass. Adjustable internal gauge. 1,542,026; June 16.

Bath, John, & Co. (See Bath, John, assignor.)

Bayley, Elden D. and W., Springfield, Ohio. Road-building apparatus. 1,542,356; June 16.

Bayley, William. (See Bayley, Elden D. and W.)

Bean Spray Pump Co. (See Oliver, Immanuel A., assignor.)

Beatty, John D., Ivanhoe, N. C. Tension device. 1,542,487; June 16.

Becker, B. V., et al., trustees. (See Ctephenson, Leigh J., assignor.)

Becher, Henry F., Orange, Calif. Automobile turntable. 1,542,357; June 16.

Becker, John F., Dubuque, Iowa. Cigar and cigarette holder. 1,541,891; June 16.

Beckwith, Hildred C., Linton, Ind. Haystacker. 1,542,658; June 16.

Begtrup, Edward F., Jersey City, assignor to Metal & Thermit Corporation, Chrome, N. J. Plugging crucibles. 1,542,598; June 16.

Bein, George H., Cleveland, Ohio. Car stop. 1,541,892; June 16.

Bell, John, & Croyden Limited. (See Mascall, George S., assignor.)

Bellamore, David H., New York, N. Y., assignor to The Mosler Safe Company, Hamilton, Ohio. Combined key and combination lock. 1,542,858; June 16.

Benbow, James D., assignor to Western Wheeled Scraper Company, Aurora, Ill. Railway dump car. 1,541,784; June 16.

Bencasa, Pietro, New York, assignor of thirty per cent to Antonio Tedesco, Brooklyn, N. Y. Shoe-shining machine. 1,542,659; June 16.

Berger, George C., Fosstown, Minn. Clothespin. 1,542,208; June 16.

Bergeron, Alfred, New Bedford, Mass. Wrist-pin mounting. 1,542,209; June 16.

Berkeley, Laurence J. (See Donovan, P. H., and Berkeley.)

Bersted, Alfred and M., Chicago, Ill. Waffle iron or similar article. Des. 67,570; June 16.

Bersted, Martin. (See Bersted, Alfred and M.)

Bertrand, Frederic E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Apparatus for use in attaching heels. 1,541,785; June 16.

Berson, Louis, Philadelphia, Pa., assignor to Philadelphia Ice Cream Cone Machinery Company. Ice-cream-cone baking machine. 1,541,893; June 16.

Bessolo, William L., Clearwater, Calif. Tongs. 1,542,359; June 16.

Bethea, Norman C., Dunn, N. C. Automobile-spring jack. 1,542,360; June 16.

Bethlehem Steel Company. (See Drake, William T., assignor.)

Betulander, Gotthilf A., Sodertorne Villastad, Sweden, assignor to The Relay Automatic Telephone Company, Limited, London, England. Interconnection of electrical lines. 1,542,361; June 16.

Betz, Arthur. (See Fisher, H. J., and Betz.)

Bevill, Chalbourn, Bushnell, Fla. Cultivator blade. 1,541,894; June 16.

Bezanson, Osborne, assignor to Merrimac Chemical Company, Woburn, Mass. Manufacture of sulphuric acid by the contact process. 1,542,488; June 16.

Biberman, Herbert J. (See Laskin, B., and Biberman.)

Biggert, Florence C., jr., assignor to United Engineering & Foundry Company, Pittsburgh, Pa. Rolling mill. Re16,096; June 16.

Bilger, Walter A., assignor to The American Pulley Company, Philadelphia, Pa. Supporting platform or table. 1,542,783; June 16.

Bing, Julius, assignor to the Firm Magnet-Werk G. m. b. H., Eisenach Specialfabrik für Elektromagnet-Apparate, Eisenach, Thuringia, Germany. Electromagnetic separator. 1,541,915; June 16.

Biondo, Philip M., assignor of one-third to J. Messina and one-third to C. Ciravola, Brooklyn, N. Y. Penholder and protector. 1,541,916; June 16.

Blackburn, James B. (See Fogler, George L., assignor.)

Blaine, Joseph R., assignor to Miehle Printing Press and Manufacturing Company, Chicago, Ill. Hand and automatic roll trip. 1,542,027; June 16.

Blair, George W., assignor to Mishawaka Rubber and Woolen Manufacturing Company, Mishawaka, Ind. Overshoe. Des. 67,571; June 16.

Blair, Grover F., Bellevue, Ohio, assignor of one-half to R. A. Blair, Fort Wayne, Ind. Guard-rail construction. 1,542,028; June 16.

Blair, Joseph A. (See Adams, B. B., and Blair.)

Blair, Robert S., Stamford, Conn. Container for tennis rackets and the like. 1,541,895; June 16.

Blair, Rolandis A. (See Blair, Grover F., assignor.)

Blakely, William W., Detroit, Mich. Shipment fastener. 1,542,362; June 16.

Blakslee, Fred J. (See Longstreet, A. J., Califf, and Blakslee.)

Blanco, Aurelio S., Habana, Cuba. Faucet. 1,542,284; June 16.

Blanton, Howard B., Iowa Park, Tex. Combination gas anchor and sand settler with perforations. 1,542,599; June 16.

Bleecker, Warren F. (See Cheley, W. J., and Bleecker.)

Blocff, Isabelle M., assignor to The Q. R. S. Music Company, Chicago, Ill. Instruction roll. 1,542,029; June 16.

Boecher, Edward C., Chicago, Ill. Transformer housing and mounting means. 1,542,600; June 16.

Bohr, Frank M., Boston, Mass. Shoe. Des. 67,572; June 16.

Bonaba, David, Cooma, New South Wales, Australia. Foot-arch-supporting device. 1,542,210; June 16.

Bonwitt, Gustav, Berlin, Germany. Covering or capsule for bottles, jars, or the like and fabricating the same. 1,542,434; June 16.

Boonzaier, Gregorio J., et al., executors. (See Boonzaier, Wilhelm G.)

Boonzaier, Wilhelm G., deceased, London, England; I. K. Holland and G. J. Boonzaier, executors. Coupling for railway or other vehicles. 1,542,211; June 16.

Bornemeier, Arthur E., Lincoln, and M. T. Bornemeier, Murdock, Nebr. Oil burner. 1,542,798; June 16.

Bornemeier, Martin T. (See Bornemeier, Arthur E. and M. T.)

Bornhauser, Otto E., and John E. Herman, Sandusky, Ohio. Producing gypsum blocks. 1,542,601; June 16.

Bosco, George B., Chicago, Ill. Form clamp. 1,541,896; June 16.

Boss Manufacturing Company, The. (See White, Charles W., assignor.)

Bovey, Thomas, Chicago, Ill. Automobile heater. 1,542,363; June 16.

Bowe, David W., Detroit, Mich. Rod socket. 1,541,917; June 16.

Bowen, Roy. (See McKinley, John E., assignor.)

Bowerbank, John W., Kidderminster, England. Gas burner and heating appliance. 1,542,212; June 16.

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 67,573; June 16.

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 67,574; June 16.

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 67,575; June 16.

Bown, Lewis H., East Aurora, assignor to Buffalo Pottery, Buffalo, N. Y. Plate or similar article. Des. 67,576; June 16.

Boyd, Kyle E., Lindside, W. Va. Railway tie and rail fastening means. 1,542,660; June 16.

Bradley, Milton, Company. (See Bruhn, Lucy M., assignor.

Bradley, William A., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Plow frame. 1,542,364; June 16.

Bradshaw, Joe B., Stanford, Ky. Can opener. 1,542,661; June 16.

Branigan, Joseph, Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Glass-working machine. 1,542,365; June 16.

Brennan, John W., Denver, Colo. Drainage tile. 1,541,918; June 16.

Brensinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Can body and producing same. 1,542,662; June 16.

Brensinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Can body and producing same. 1,542,663; June 16.

Brensinger, Julius, Fairfield, assignor to The Max Ams Machine Company, Bridgeport, Conn. Soldering the seams of metallic bodies. 1,542,664; June 16.

Briggs, Edward R., Berkeley, Calif. Seed and fertiliser scatterer. 1,541,919; June 16.

Briggs Manufacturing Company. (See Maise, Herman C., assignor.)

Bristol, Edward S., assignor to Leeds & Northrup Company, Philadelphia, Pa. Control method and apparatus. 1,542,030; June 16.

Drittinger, Heinrich, Offenbach, Germany. Spiral-drill-grinding machine. 1,541,920; June 16.

Brockett, Thomas P., Goldsboro, N. C. Jack. 1,542,213; June 16.

Brockway, Charles E., Grundy Center, Iowa. Boot-sock garter. 1,542,331; June 16.

Brough, William R., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube base. 1,542,366; June 16.

Brough, William R. (See Housekeeper, W. G., and Brough.)

Bruhn, Lucy M., Jamaica Plain, Mass., assignor to Milton Bradley Company. Educational device. 1,542,031; July 16.

Bruns, J. L. (See King, James G., assignor.)

Bryan, George A., Springfield, Ill. Wrought metal socket for legs or standards or the like. 1,542,367; June 16.

Bryant, Harvey L., Newark, N. J., assignor to American Car Company, New York, N. Y. Drier. 1,542,332; June 16.

Bryce, Allan E., Providence, R. I. Pot-handle holder. 1,542,368; June 16.

Buckner, Leon, New York, N. Y. Heel. 1,542,602; June 16.

Buedingen, William L., Milwaukee, Wis. Game. 1,541,897; June 16.

Buehrer, Emil C., Oakland, Calif. Fountain marking brush. 1,542,333; June 16.

Buffalo Pottery. (See Bown, Lewis H., assignor.)

Buford, Benjamin R., et al. (See Gramm, John A., assignor.)

Burgess, James K., Montclair, N. J. Dial-telephone attachment. 1,541,756; June 16.

Burgess, Lysle P., Los Angeles, Calif. Pump lining. 1,542,334; June 16.

Burkhardt, Gustave, Chicago, Ill. Bowling-alley lamp. 1,542,603; June 16.

Burney, James A. (See Pemberton, J. D., and Burney.)

Burrage, George B., et al., trustees. (See Stephenson, Leigh J., assignor.)

Buschmann, Ernst, Ronsdorf, Germany. Reed for weavers' looms. 1,542,699; June 16.

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,542,604; June 16.

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,542,605; June 16.

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,542,606; June 16.

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,542,607; June 16.

Bussmann, Henry T., St. Louis, Mo. Electric fuse. 1,542,608; June 16.

By-Products Fuel Machine Co., et al. (See Coleman, R. B., and Humphrey, assignors.)

Byrd, Charles, Fort Wayne, Ind. Floor brush. 1,542,369; June 16.

Cadgène, Ernest, Englewood Cliffs, and G. Dupont, Paterson, N. J. Method and apparatus for printing textile fabrics. 1,541,787; June 16.

Cadoret, Louis A., Pawtucket, R. I. Shuttle-threading device. 1,542,214; June 16.

Calhoun, George E., L. White, and L. Hayes; said L. Hayes and said G. B. Calhoun assignors to A. Williams and B. Peterson, West Frankfort, Ill. Fuel economizer. 1,542,695; June 16.

Califf, Frank A. (See Longstreet, A. J., Califf, and Blakslee.)

Cammen, Leon, New York, N. Y. Ship. 1,542,870; June 16.

Campbell, Leverett D., Latonia, Ky., assignor to The Globe Folding Box Company, Cincinnati, Ohio. Display carton. 1,542,285; June 16.

Canaday, Orpha P., Fort Wayne, Ind. Hose coupling. 1,542,871; June 16.

Caps, John E., Wilmette, Ill. Water softener and filter. 1,541,921; June 16.

Carborundum Company, The. (See Hawke, C. E., and Johnson, assignors.)

Cardarelli, Emilio, Boston, Mass., assignor of one-third to N. Petitti, Boston, Mass. Hose coupling. 1,542,335; June 16.

Carithers, Robert L. (See Griffeth, William G., assignor.)

Carlberg, August E., assignor, by mesne assignments, to Walden-Worcester, Incorporated, Worcester, Mass. Wrench. 1,542,336; June 16.

Carlisle, George J., Niles, Mich. Oil burner. 1,541,788; June 16.

Carlson, Gustave S., St. Paul, Minn. Goblet or similar article. Des. 67,577; June 16.

Carlson, John, assignor to Arlington Machine Works, Inc., St. Paul, Minn. Clothesline reel. 1,542,485; June 16.

Caroselli, Romulus, Detroit, Mich. Device for supporting electric wall brackets. 1,542,032; June 16.

Carr Fastener Company. (See Carr, Fred S., assignor.)

Carr, Fred S., Newton, Mass., assignor to Carr Fastener Company, Cambridge, Mass. Fastener. 1,542,761; June 16.

Carter, Van Roy, Los Angeles, Calif. Fluid clutch transmission for motor vehicles and the like. 1,542,215; June 16.

Caruso, Louis, Irvington, N. J., assignor to The Lionel Corporation. Electrical connecter for toy train tracks. 1,542,337; June 16.

Casablanca, Frank J., and M. F. Gaido, Cardenas, assignors to The Continuous Clarifier and Settler Co., Habana, Cuba. Continuous clarifying apparatus. 1,542,666; June 16.

Caspar, Charles H., Philadelphia, Pa. Dealcoholization and apparatus for performing the same. 1,541,789; June 16.

Casper, William L., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Transformer. 1,542,372; June 16.

Ceever, Henry R., St. Augustine, Fla. Golf-practicing apparatus. 1,542,489; June 16.

Chamberlain, George J., Milwaukee, Wis. Wrench. 1,541,898; June 16.

Chaney, Franklin V., assignor to Chaton Fibre Company, Boston, Mass. Leatherboard felt. 1,541,922; June 16.

Chapman, Frank, Winamac, Ind. Water motor. 1,542,610; June 16.

Chapman, George P., Long Beach, Calif. Visible-map container. 1,541,899; June 16.

Chassis Lubricator Company, The. (See Locke, S. D., and Desch, assignors.)

Chaton Fibre Company. (See Chaney, Franklin V., assignor.)

Cheley, William J., Casper, Wyo., and W. F. Bleecker, Boulder, Colo., assignors to Zero Hour Torpedo Company, Casper, Wyo. Well-exploding device. 1,541,790; June 16.

Chevenard, Pierre, Imphy, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Industrial apparatus for thermo-metric analysis. 1,542,216; June 16.

Chicago Shoe Machinery Company. (See Du Mais, L. J., and Miner, assignors.)

Christensen, Axel B., and A. B. Andreassen, Port Washington, N. Y. Floor-surfacing machine. 1,542,667; June 16.

Christofferson Christian A., St. Paul, Minn. Antifriction pipe carrier. 1,541,791; June 16.

Christopher, Calvin F., Canton, N. C. Motor. 1,541,900; June 16.

Chritton, George A. (See Drysdale, George A., assignor.)

Ciravola, Charles, et al. (See Biondo, Philip M., assignor.)

Claremont Laboratories, Inc. (See Readeker, William C., assignor.)

Clark, Harry G. (See MacGown, H. L., and Clark.)

Clark, Horace O., Waukegan, Ill. Link. 1,542,490; June 16.

Clark, Robert K., Springfield, Mass., assignor to The American Thread Company, New York, N. Y. Spool. 1,542,611; June 16.

Clark, Walter, Toronto, Ontario, Canada. Portable electric heater. Des. 67,578; June 16.

Clasen, Wilhelm, assignor to Richard Kahn Aktiengesellschaft, Berlin, Germany. Liquid-fuel burner. 1,542,491; June 16.

Cleary, Kathryn A. (See Scanlan, D. J., and Keane, assignors.)

Cluett, George E., Epsom, Auckland, New Zealand. Interlocking means for use in the construction of concrete reenforcement frames and other analogous purposes. 1,542,492; June 16.

Cocking, Richard, Waltham, Mass. Textile fabric. Des. 67,579; June 16.

Cocking, Richard, Waltham, Mass. Textile fabric. Des. 67,580; June 16.

Cohen, Iser P., New York, N. Y. Knitted blouse. Des. 67,581; June 16.

Cole, Ira V., Seattle, Wash. Arrow. 1,542,762; June 16.

Cole, Joseph E., Dacre, Ontario, Canada. Rural-mail box. 1,542,217; June 16.

Colegrove, William J., and L. A. Vandervoort, assignors to Oil Well Accessories Corporation, Ranger, Tex. Straight-line-lift pump jack. 1,542,763; June 16.

Coleman, Gilbert R., Jersey City, N. J., assignor of one-half to T. F. Kent, New York, N. Y. Application of Babbitt and lining metals to the surface of railway and other journal bearings. 1,542,338; June 16.

Coleman, James R., Washington, D. C. Cotter pin. 1,542,493; June 16.

Coleman, Patrick E., Providence, R. I. Timber clamp. 1,542,339; June 16.

Coleman, Robert B., and G. C. Humphrey, assignors of one-twentieth to D. D. Sayer, one-twentieth to D. D. Sayer, trustee, two-twentieths to J. B. Dawson, and sixteen-twentieths to By-Products Fuel Machine Co., Los Angeles, Calif. Material-compressing machine. 1,541,901; June 16.

Collar, Lloyd D., Alameda, assignor to Collar Valve Corporation, Oakland, Calif. Valve. 1,542,612; June 16.

Collar Valve Corporation. (See Collar, Lloyd D., assignor.)

Collins, Harry R., Allentown, Pa., assignor to Fuller-Lehigh Company. Drier. 1,541,902; June 16.

Collins, Leon L., Pleasantville, N. J. Automatic power-operated pneumatic surfacer. 1,542,494; June 16.
Colonial Lamp & Fixture Works. (See Nelson, Theodore J., assignor.)
Comfort, Edward W., Winchester, and A. W. Thompson, Lowell, assignors to Parks-Cramer Company, Boston, Mass. Thermostatic regulator. 1,542,033; June 16.
Comfort, Edward W., Winchester, and A. W. Thompson, Lowell, assignors to Parks-Cramer Company, Boston, Mass. Thermostatic regulator. 1,542,034; June 16.
Compo Manufacturing Company, The. (See Holshausen, Richard J., assignor.)
Condit Electrical Manufacturing Company. (See Greene, Austin E., assignor.)
Cone, Mark R., Baltimore, Md., assignor to The Union Trust Company, Cleveland, Ohio. Dispersion of bituminous materials and making same. 1,542,035; June 16.
Conner, C. H. (See Davidson, Joseph G., assignor.)
Connolly, James H., Pawtucket, R. I. Braiding machine. 1,541,792; June 16.
Connors, John W., Dedham, assignor to The Reece Button Hole Machine Company, Boston, Mass. Thread-trimming device for buttonhole sewing machines. 1,542,764; June 16.
Conrad, Lula L., Johnstown, Pa. Electric iron. 1,542,218; June 16.
Conrader, Rudolph, Erie, Pa. Tank-discharge-controlling device. 1,542,036; June 16.
Constantinesco, George, Waybridge, England. Transmitting power. 1,542,668; June 16.
Continental Roofing and Manufacturing Company, The. (See Abbey, A. W., and Dohm.)
Continuous Clarifier and Settler Co., The. (See Casablanca, F. J., and Galdo, assignors.)
Conveyors Corporation of America. (See Zimmermann, Carl F., assignor.)
Cook, Adoniram J., Westerlo, N. Y., assignor to The P. & M. Company, Chicago, Ill. Boltless rail anchor. 1,542,669; June 16.
Cooper, George S. (See Larson, Ivar C., assignor.)
Cooper, Kenneth F., Great Neck, assignor to American Cyanamid Company, New York, N. Y. Fumigating apparatus. 1,541,793; June 16.
Cortes, Carlos E., Martines, Calif., assignor to Shell Company of California. Process of and apparatus for making concrete structures. 1,542,037; June 16.
Costa, Armando, Great Kills, N. Y. Spraying device. 1,541,794; June 16.
Cote, Baptiste, St. Ignatius, Mont. Combined rock picker and harrow. 1,542,670; June 16.
Coupland, James, Chicago, Ill. Window. 1,542,373; June 16.
Cox, Edwin R., Los Angeles, Calif. Heat exchanger. 1,542,613; June 16.
Craig, Burnie J., Cleveland, Ohio. Running shoe. 1,542,671; June 16.
Craig, Clyde L., Washington, Ohio. Steering device. 1,542,436; June 16.
Craig, James. (See Thomson, C. C., and Craig.)
Crapo, George B., Marion, Mass. Watch support. 1,542,672; June 16.
Cress, H. G., Company, The. (See Cress, Horatio G., assignor.)
Cress, Horatio G., assignor to The H. G. Cress Company, Troy, Ohio. Educational device. 1,541,795; June 16.
Crites, Joe, Evanston, assignor to Raymond Brothers Impact Pulverizer Co., Chicago, Ill. Means for pulverizing, feeding, and burning fuel. 1,541,903; June 16.
Crofoot, John B., Chicago, Ill. Stapling machine. 1,542,340; June 16.
Crompton & Knowles Loom Works. (See Wakefield, Walter H., assignor.)
Crooks, Robert A. (See Morgan, C. B., and Crooks.)
Crowell, Frank S., assignor to The Edward N. Riddle Company, Toledo, Ohio. Ring for lighting fixtures. Des. 67,582; June 16.
Crown Gas Radiator Company. (See Fisher, H. J., and Betz, assignors.)
Cummings, Edmund O. (See Norris, J. F., and Cummings.)
Cummings, William F. (See Perry, George E., assignor.)
Cunningham & Cade. (See Cunningham, Ira W., assignor.)
Cunningham, Ira W., assignor to Cunningham & Cade, St. Louis, Mo. Bouquet. 1,541,923; June 16.
Curtis, Edwin C., Kingston, and G. E. Reynolds, Wyoming, Pa. Window shade and curtain fixture. 1,541,904; June 16.
Daechsel, Frederick A., assignor of three-fourths to W. F. Powell, Ottawa, Ontario, Canada. Furnace. 1,542,219; June 16.
Daimler-Motoren-Gesellschaft. (See Reinsch, Alfred, assignor.)
Dale, Joseph L., Wise, Va. Trap. 1,542,673; June 16.
Daley, Roland B., Chicago, Ill. Phonograph tone arm. 1,542,374; June 16.
Dalton, John T., assignor to Golden Belt Manufacturing Company, Durham, N. C. Handling and bunching bags. 1,542,375; June 16.
Darius, Charles A., Montclair, N. J. Preheater. 1,542,220; June 16.
Darling, Alice O., Tilton, N. H. Pillow and chest supporter. 1,542,674; June 16.
Darlington, Philip J., Boston, Mass. Micrometer caliper. 1,541,796; June 16.
Darr, Earl A., et al, executors. (See Kraft, Henry P.)
Davenport, Robert E., Fort Worth, Tex. Moisture trap. 1,542,437; June 16.
Davidson, Joseph G., Pittsburgh, Pa., assignor to C. H. Conner, New York, N. Y. Method and apparatus for cracking oils. 1,541,905; June 16.
Davidson, William F., St. Paul, Minn. Telephone system. 1,541,926; June 16.
Davidson, William I., Long Beach, Calif. Trick deck of cards. 1,541,925; June 16.
Davis, Alexis P. (See Goldstein, A. S., and Davis.)
Dawson, John B., et al. (See Coleman, E. B., and Humphrey, assignors.)
Day, Albert V. T., Paris, France. Telautograph apparatus. 1,542,038; June 16.
Dayton Steel Racquet Company, The. (See Larned, William A., assignor.)
Dean, Highland Z. (See Minnick, F. L., and Dean.)
Dean-Minnick Steel Wheel Company. (See Minnick, F. L., and Dean, assignors.)
Dean, Purvis E., Boyne City, Mich. House-wall structures. 1,542,286; June 16.
De Busk, William H., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,542,039; June 16.
Deckert, Oscar E., Syracuse, N. Y., assignor, by mesne assignments, to Liberty National Bank, trustee. Pressing machine. 1,542,341; June 16.
Dedmon, Robert L. (See Ingram, Clifton M., assignor.)
De Jarnette, Henry, Des Moines, Iowa. Sectional inking roller. 1,542,221; June 16.
Delacuvellerie, Ernest, assignor to the Société Anonyme "Brevets Fourcault," Dampremy, Belgium. Furnace for use in the manufacture of sheet glass by vertical drawing. 1,541,906; June 16.
De Lavaud, Dimitri S., Paris, France. Pawl mechanism. 1,542,040; June 16.
Dempsey, John, Belfast, Ireland. Machine for depositing semifluid, pasty, or doughlike materials. 1,542,287; June 16.
De Muth, Luther D., New Philadelphia, Ohio. Seat. 1,542,675; June 16.
Denemark, Jacob, Trenton, N. J. Pressing machine. 1,541,907; June 16.
Dennison, French E., assignor to Lipman Refrigeration Company, Beloit, Wis. Refrigerating cabinet. 1,541,797; June 16.
Denny, Charles W., W. E. McLaughlin, and G. Helwig, assignors to The Barkelew Electric Manufacturing Company, Middletown, Ohio. Radiophone plug. 1,541,798; June 16.
Deppeler, John H., Weehawken, assignor to Metal & Thermit Corporation, Chrome, N. J. Refractory crucible. 1,542,784; June 16.
Deutsche Maschinenfabrik A. G. (See Henrich, Hermann, assignor.)
Dickinson, Harry S., Moline, Ill., assignor, by mesne assignments, to Moline Implement Company. Power shift for cultivators. 1,542,376; June 16.
Dietsche, Adolph, jr., assignor to American Lithographic Company, New York, N. Y. Display device. 1,541,908; June 16.
Divine, Robert E., Chicago, Ill. Soap. 1,542,438; June 16.
Dobbin, Henry F., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone instrument. 1,542,377; June 16.
Doble, Charles F., Wollaston, Mass. Dishwashing machine. 1,542,041; June 16.
Doctor, Paul, Denver, Colo. Luggage carrier. 1,542,342; June 16.
Dodge, Ethel C., East Greenwich, R. I. Compartment steam cooker. 1,541,799; June 16.
Dohm, Charles W. (See Abbey, A. W., and Dohm.)
D'Olier, William L., Philadelphia, Pa. Separator. 1,542,288; June 16.
Dolph, Fred A., Washington, D. C. Rapid type printer. 1,542,222; June 16.
Dolph, Fred A., Washington, D. C. Printing machine. 1,542,223; June 16.
Donovan, Patrick H., Chicago, and L. J. Berkeley, Evanston, Ill., assignors to The P & M Company, Chicago, Ill. Rail anchor. 1,542,042; June 16.
Dosch, Charles R. (See Locke, S. D., and Dosch.)
Doughty, Herman W., assignor to The Nineteen Hundred Washer Company, Binghamton, N. Y. Clothes wringer. 1,542,439; June 16.
Downes, Marion A., West Roxbury, Mass. Phonograph attachment. 1,542,289; June 16.
Drake, Alden M., assignor to The Heald Machine Company, Worcester, Mass. Grinding-wheel dresser. 1,542,343; June 16.
Drake, Frederick C., J. W. Hough, H. J. Iddings, and L. D. Pierson, Mapleton, Iowa. Battery case. 1,542,676; June 16.
Drake, Joseph E., Blue Rapids, Kans. Grain-car door. 1,542,224; June 16.
Drake, William T., Harrisburg, assignor to Bethlehem Steel Company, Bethlehem, Pa. Apparatus for handling rails. 1,542,043; June 16.

Draper Corporation. (See Hollins, Denis M., assignor.)
Draper Corporation. (See Rhoades, Alonzo E., assignor.)
Drawe, Rudolf, Charlottenburg, assignor to Ehrhardt & Sehmer Aktiengesellschaft, Saarbrucken, Saargebeit, Germany. Two-cylinder double-acting four-cycle gas engine. 1,542,677; June 16.
Dreiginas, Walter, Baltimore, Md. Sewed article and making same. 1,542,678; June 16.
Dreyfus, Henry, London, England. Manufacture of cellulose ethers. 1,542,541; June 16.
Drying Systems, Inc. (See Harrison, Burt S., assignor.)
Drysdale, George A., Indianapolis, Ind., assignor to G. A. Charlton, Chicago, Ill. Iron alloy. 1,542,440; June 16.
Du Bois, Virgil L. (See Moody, C. F., and Du Bois.)
Dudley, Houston, assignor to Gray & Dudley Company, Nashville, Tenn. Heater. Des. 67,583; June 16.
Dudley, Howard T., Saginaw, Mich. Flask-positioning device for pattern plates. 1,542,226; June 16.
Duffy, James P. B. (See Murphy, Thomas J., assignor.)
Du Mais, Leo J., and F. E. Miner, assignors to Chicago Shoe Machinery Company, Chicago, Ill. Awl-shifting and stitch-regulating mechanism for leather-stitching machines. 1,541,800; June 16.
Dumont, Gustave, Neuilly-sur-Seine, France. Device for operating the brakes of all the four wheels of a vehicle. 1,542,290; June 16.
Dunn, Thomas, St. Charles, Mo. Pump jack. 1,542,679; June 16.
Dunn, William W., assignor to Silex Company, Malden, Mass. Handle for percolators. Des. 67,584; June 16.
Dunne, Edward F., jr., Morristown, N. J., assignor to Wirebounds Patents Company. Machine for use in making boxes. 1,541,927; June 16.
Dupont, Georga. (See Cadgene, E., and Dupont.)
Durham, Thompson E., Sault Ste. Marie, Canada. Broke remover for paper machines. 1,541,928; June 16.
Durning, Robert E., Bellevue, Pa. Valve lock. 1,541,801; June 16.
Dutro, Leslie C., Long Beach, Calif. Oil cup. 1,542,044; June 16.
Duval d'Adrian, Alexander L., Washington, Pa. Bending readily breakable metals. 1,541,924; June 16.
Dwyer, Ambrose. (See Hoover, W. C., and Dwyer.)
Early, Bartholomew F., Boston, Mass. Shock absorber for bed bottoms and the like. 1,541,909; June 16.
Eberling, Charles M., Cleveland, Ohio. Battery terminal connecter. 1,542,680; June 16.
Ebert, Walter R., Milwaukee, Wis., assignor to Adjustable Rack Company. Adjustable rack. 1,542,495; June 16.
Echevarria, Eduardo, Granite City, Ill. Talking manikin 1,542,542. June 16.
Eckstein, Nathan. (See Gordon, S., and Eckstein.)
Economides, Michael J., Brooklyn, N. Y. Adjustable wrench. 1,542,291; June 16.
Eddy, Guy F., Medford, Oreg. Washing machine. 1,542,292; June 16.
Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Air valve. 1,541,929; June 16.
Eggleston, Lewis W., Buffalo, N. Y., assignor to American Radiator Company, Chicago, Ill. Air valve. 1,541,930; June 16.
Ehrenfeld, Ralph, East Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mounting for sewing-machine motors. 1,541,802; June 16.
Ehrhardt & Sehmer Aktiengesellschaft. (See Drawe, Rudolph, assignor.)
Ehrlinger, Edmund P., Janesville, Wis. Printer's galley. 1,542,441; June 16.
Eifel, Joseph, Detroit, Mich. Wrench. 1,542,123; June 16.
Ekström, Gunnar C. G. Örström, Stockholm, and B. A. E. Johnson, Appelviken, assignors to Aktiebolaget Gerb. Arehns Mekaniska Verkstad, Stockholm, Sweden. Packing cigarettes. 1,541,931; June 16.
Elecrom Limited. (See Grah, Richard, assignor.)
Electric Water Sterilizer & Ozone Company. (See Hartman, Frank E. and H. B. assignors.)
Ellis, Giovanni E., assignor to Vickers Limited, Westminster, London, England. Submarine mine. 1,542,543; June 16.
Elliott, William S., Pittsburgh, Pa. Separation of air and dissolved gases from liquids. 1,542,544; June 16.
Elliott, William S., Pittsburgh, Pa. Separation of air and dissolved gases and liquids. 1,542,545; June 16.
Ellis, Lewis M., Toledo, Ohio, assignor to Winslow Safety High Pressure Boiler Company, Chicago, Ill. Rotary engine. 1,542,614; June 16.
Ellwood, Charles D., assignor to Walker Manufacturing Company, Racine, Wis. Lifting jack. 1,542,794; June 16.
Emerson, Jerome E., assignor to Niagara Textile Company, Lockport, N. Y. Textile fabric or similar article. Des. 67,585; June 16.
Emerson, Jerome E., assignor to Niagara Textile Company, Lockport, N. Y. Textile fabric or similar article. Des. 67,586; June 16.
Emerson, Jerome E., assignor to Niagara Textile Company, Lockport, N. Y. Textile fabric or similar article. Des. 67,587; June 16.
Equipment Specialties Co. (See Gilles, William R., assignor.)
Erhard, Elmer S., Curwensville, Pa. Wheel. 1,542,681; June 16.
Esser, Peter, Clifton, N. J. Calisthenic toy. 1,542,045; June 16.
Estes, Walker S. (See Kotzebue, Meinhard H., assignor.)
Eureka Vacuum Cleaner Company. (See Field, Egbert R., assignor.)
Evans, Arthur B., Leeds, England. Sheet-gripping mechanism of printing machines. 1,541,932; June 16.
Evans, Edwin R., Detroit, Mich. Motor vehicle. 1,541,803; June 16.
Evans, George E., Waco, Tex. Air-blast flue and nozzle for cotton gins. 1,542,293; June 16.
Evans, Owen, Binger, Okla. Bolt. 1,542,682; June 16.
Everett, James M., assignor of one-half to C. M. Hunt, Lake Wales, Fla. Transplanting pot. 1,542,683; June 16.
Everhart, Edgar, Atlanta, Ga. Obtaining magnesia from dolomite. 1,542,684; June 16.
Fafnir Bearing Company, The. (See Smith, John W., assignor.)
Fahnestock, Harry W., Chicago, Ill. Track-signal-flag holder. 1,542,226; June 16.
Fairbanks, E. and T., and Company. (See Taylor, William H., assignor.)
Falder, Simon N., Los Angeles, Calif. Inkwell base. Des. 67,588; June 16.
Falk, Hilbert L., New Orleans, La. Telephone transmitter. 1,542,685; June 16.
Falkinburg, Samuel S., Chicago, Ill. Rebound check. 1,542,046; June 16.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Train-control drive mechanism. 1,541,933; June 16.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Rail-sanding device. 1,541,934; June 16.
Farmer, Clyde C., Pittsburgh, assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Slack adjuster. 1,541,935; June 16.
Fath, Charles, Canton, Ohio. Nonskid-chain attachment. 1,542,686; June 16.
Fenton, Paul W., New York, N. Y. Price-exhibiting device. 1,542,378; June 16.
Fenton, William T., et al, trustee. (See Stephenson, Leigh J., assignor.)
Ferrari, Laurent, Beausoleil, assignor to The Societe Francaise pour l'Exploitation des Procedes Canaval-Ferrari, Beziers, Herault, France. Manufacture of dies, matrices, punches, and like objects molded in the hot state. 1,542,047; June 16.
Ferriter, John P., Oceanport, and W. H. Johnson, Red Bank, N. J. Device for repeating alternating current telegraph signals by means of vacuum tubes. 1,542,546; June 16.
Field, Egbert R., assignor to Eureka Vacuum Cleaner Company Detroit, Mich. Brush attachment for vacuum-cleaning tube. 1,541,804; June 16.
Fielding, John. (See Whitaker, J. P., and Fielding.)
Fife, Ikley C., Chicago, Ill. Fastener. 1,541,936; June 16.
Finn, Abraham, Elisabeth, N. J. Plastering device. 1,542,687; June 16.
Firestone Tire and Rubber Company, The. (See Stubbs, Herman O., assignor.)
Fisher, Henry W. and R. W. Atkinson, Perth Amboy, N. J., assignors to Standard Underground Cable Company, Pittsburgh, Pa. Cable installation. 1,541,937; June 16.
Fisher, Herman J., and A. Betz, assignors to Crown Gas Radiator Company, Pasadena, Calif. Radiator guard. 1,542,227; June 16.
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Flaherty, John R., St. Louis, Mo. Oil burner. 1,542,379; June 16.
Fleming, Clifford A., Huntsville, Mo. Flytrap. 1,541,805; June 16.
Flick, Lorens, Providence, assignor to Sayles Finishing Plants, Inc., Saylesville, R. I. Machine for ornamenting fabrics. 1,541,806; June 16.
Florida Dehydrating and Preserving Co. (See Green, Charles A., assignor.)
Florida Dehydrating and Preserving Co. (See Schmidt, Henrik J., assignor.)
Fogler, George L., assignor to J. B. Blackburn, Pittsburg, Pa. Burner. 1,542,294; June 16.
Ford Duplex Timer and Accessories Company, The. (See Goldstein, A. S., and Davis, assignors.)
Forester, James, New York, N. Y. Mechanic's horse. 1,542,048; June 16.
Forhan Company. (See Terry, Harry L., assignor.)
Fortune, Carl F. (See Gentry, W. E., and Fortune.)
Foster, Charles B., Indianapolis, Ind. Storage plant. 1,542,380; June 16.
Foster, Guy T., Dayton, Ohio, assignor to Locomotive Economizer Corporation, New York, N. Y. Feed-water heater. 1,542,295; June 16.
Foster, Joseph F., Jackman, Me. Snowshoe. 1,542,496; June 16.
Foster Machine Company. (See McKean, John O., assignor.)
Fouracre, Allan. (See Fouracre, William J. and A.)
Fouracre, William J. and A., Harden, near Bingley, England. Device for indicating spring pressure upon spinning-machine rollers. 1,542,049; June 16.

Fournier, Joseph, Somersworth, N. H. Check. 1,542,688; June 16.
Fraim, Samuel K., Lancaster, Pa. Padlock. 1,542,442; June 16.
Frankland, William, Rochester, Victoria, and T. E. Maloney, Paddington, Sydney, New South Wales, Australia. Apparatus for cleaning article interiors. 1,542,689; June 16.
Franklin, James D., Chattanooga, Tenn. Wrench. 1,542,228; June 16.
Fraser, George H., Brooklyn, N. Y. Air separator. 1,542,050; June 16.
Frederick, William W., Coshocton, Ohio. Hospital truck. 1,541,938; June 16.
Freedman, Max, Chelsea, Mass. Block-making machine. 1,542,497; June 16.
Freund, Zdenko, Newark, N. J. Finger ring. Des. 67,589; June 16.
Frick, Chester A., assignor to Glascock Brothers Manufacturing Company, Muncie, Ind. Automobile body. 1,542,785; June 16.
Friedenthal, Hans, assignor to Industrie-Verwaltung-Aktiengesellschaft, Berlin-Charlottenburg, Germany. Bromine solution. 1,541,910; June 16.
Frimmel, Hobart F. (See Heller, H., and Frimmel.)
Fromhold, Alexander F., assignor to S. H. Pomeroy Company, Inc., New York, N. Y. Metal window frame. 1,542,786; June 16.
Fuller, Claud E., New York, N. Y. Valve-operating mechanism. 1,542,787; June 16.
Fuller, Everett W. (See Norris, J. F., and Fuller.)
Fuller-Lehigh Company. (See Collins, Harry R., assignor.)
Furber, Frederick M., Revere, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Method and apparatus for treating shoes. 1,541,807; June 16.
Gabriel, John C., New York, N. Y., and A. G. Landeen, Caldwell, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Discharge-device system. 1,542,381; June 16.
Galbreath, Lon, et al., trustees. (See Sharpe, William A., assignor.)
Galdo, Manuel F. (See Casablanca, F. J., and Galdo.)
Gallagher, George D., Washington, D. C., assignor, by mesne assignments, of twenty-five one hundred and fourths, to N. T. Hoos, twenty-five one hundred and fourths to R. B. Walten, four one hundred and fourths to M. G. Schanberger, Baltimore, Md., and twenty-five one hundred and fourths to C. F. Moore, Washington, D. C., and twenty-five one hundred and fourths to J. M. Matthews, Baltimore County, Md. Safety-razor-blade stropper. 1,542,382; June 16.
Gantt, Jacob P., Wagener, S. C. Battery-charging switchboard. 1,542,229; June 16.
Gants, Andrew, Youngstown, Ohio. Open-hearth-furnace door frame. 1,542,690; June 16.
Ganz, Adolf, New Brighton, N. Y. Welding torch. 1,542,230; June 16.
Gardiner, Lupton, Mongonui, North Auckland, New Zealand. Metal shoe for concrete and other piles. 1,542,498; June 16.
Garfield, Walter S., Dothan, Ala. Combined corner shield and caster. 1,542,231; June 16.
Gargan, Joseph, Peabody, Mass. Boot and shoe construction. 1,542,499; June 16.
Garrett, H. J., et al. (See Patton, Samuel I., assignor.)
Garson, Frank B. H., Lawrence, Mass. Internal-combustion engine. 1,542,765; June 16.
Gedney, Charles L., St. Paul, Minn. Circuit breaker for motor vehicles. 1,542,051; June 16.
Gehrke, Lenard P., Spencer, Wis. Milk cooler and aerator. 1,542,691; June 16.
General Fire Extinguisher Company. (See Loepsinger, Albert J., assignor.)
General Phonograph Company. (See Heineman, Otto, assignor.)
Gentry, Walter E., and C. F. Fortune, Abilene, Tex. Safety transferable financial certificate. 1,542,692; June 16.
George, Enoch, jr. (See Regan, W. J., and George.)
George, Joseph L., Cincinnati, Ohio. Capsule mold. 1,541,939; June 16.
Germain, Edward F., Saginaw, Mich, assignor, by mesne assignments, of three-fourths to L. Germain, jr., trustee, Pittsburgh, Pa. Composition of matter for making flush tanks, water-closet seats and covers. 1,542,615; June 16.
Germain, L., jr., trustee. (See Germain, Edward F., assignor.)
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vestor Sons, Inc., Providence, R. I. Bobeche for lighting fixtures. Des. 67,590; June 16.
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Canopy for lighting fixtures. Des. 67,591; June 16.
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Plate for lighting fixtures. Des. 67,592; June 16.
Gibbons, Willis A. (See Hopkinson, E., and Gibbons.)
Gibbs, Herbert G., London, England. Kite balloon. 1,542,547; June 16.
Gibson, James V., Baker, Oreg. Door carrier. 1,542,296; June 16.
Gillet, Alexis F., assignor to Jubilee Manufacturing Company, Omaha, Nebr. Foot accelerator. 1,542,052; June 16.
Gillette, Herbert B., Grand Rapids, Mich. Wheel for roller-bearing dry-kiln trucks. 1,541,940; June 16.
Gillies, William R., assignor to Equipment Specialties Co., Chicago, Ill. Car-door fastener. 1,542,053; June 16.
Gillmore, Millard, Oak Park, Ill. Door. 1,542,443; June 16.
Girin, Pierre, Paris, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Alloy. 1,542,232; June 16.
Girin, Pierre, Paris, assignor to Societe Anonyme de Commentry, Fourchambault & Decazeville, Paris, France. Alloy. 1,542,233; June 16.
Glascock Brothers Manufacturing Company. (See Frick, Chester A., assignor.)
Globe Folding Box Company, The. (See Campbell, Leverett D., assignor.)
Goboo, Stefan, Chicago, Ill. Hydraulic recoil check. 1,542,054; June 16.
Golden Belt Manufacturing Company. (See Dalton, John T., assignor.)
Golden, James M., Paso Robles, Calif. Germicide tank. 1,542,234; June 16.
Goldstein, Abraham S., and A. P. Davis, assignors to The Ford Duplex Timer and Accessories Company, Baltimore, Md. Timer. 1,541,941; June 16.
Gooding, George E., assignor to John T. Robinson Company, Boston, Mass. Tape-applying mechanism for box-covering machines. 1,542,444; June 16.
Goodman, Lazure L., assignor to Real Silk Hosiery Mills, Indianapolis, Ind. Sample case container and display structure. 1,542,788; June 16.
Goodrich, B. F., Company, The. (See Hoover, W. C., and Dwyer, assignors.)
Goodrich, B. F., Company, The. (See Pierson, Robert M., assignor.)
Goodrich, Sylvester C., Wellston, Ohio. Traffice guide-post. Des. 67,593; June 16.
Goodwin, Walter C. (See Hodgkins, C. H., and Goodwin.)
Gordon, Charles, Milwaukee, Wis., and A. W. Ridlin, Saginaw, Mich., assignors, by mesne assignments, to The Gordon Form Lathe Company, Cleveland, Ohio. Lathe. 1,542,803; June 16.
Gordon, Daniel E., Fort Worth, Tex. Hoisting implement. 1,542,545; June 16.
Gordon Form Lathe Company, The. (See Gordon, C., and Ridlin, assignors.)
Gordon, Samuel, and N. Eckstein, New York, N. Y. Table. 1,542,693; June 16.
Gordon, Samuel S., Providence, R. I. Self-lubricating textile ring. 1,542,500; June 16.
Government of the United States. (See Hall, Andrew T., assignor.)
Gowing, Milton A., Portland, Oreg. Tool holder. 1,542,694; June 16.
Grah, Richard, assignor to Elecrom Limited Sheffield, England. Electrolytic deposition of metallic chromium. 1,542,549; June 16.
Graham, David M., Bordulac, N. Dak., assignor to Graham-Roach Harvester & Stacker Company of North Dakota. Stacking and curing grain. 1,542,235; June 16.
Graham-Roach Harvester & Stacker Company of North Dakota. (See Graham, David M., assignor.)
Gramm, John A., assignor of one-eighth to A. J. Urbish, one-eighth to J. P. Thomas, one-eighth to B. R. Buford, and one-eighth to D. B. Mathers, Dallas, Tex. Automatic train-stopping apparatus. 1,542,297; June 16.
Grauel, Edwin L., Cincinnati, Ohio. Locking device control. 1,542,445; June 16.
Grauel, Edwin L., assignor to The Graulock Company, Cincinnati, Ohio. Locking device. 1,542,446; June 16.
Graulock Company, The. (See Grauel, Edwin L., assignor.)
Gray & Dudley Company. (See Dudley, Houston, assignor.)
Gray, Malcolm A. (See Paterson, A. D., and Gray.)
Gray, Walter H., Davenport, Iowa. Bowling-alley system. 1,542,804; June 16.
Greathouse, Lucien H., Clarendon, Va., assignor to Atmospheric Nitrogen Corporation, Syracuse, N. Y. Producing ammonium nitrate. 1,541,808; June 16.
Green, Charles A., Whitehouse, Fla., assignor, by mesne assignments, to Florida Dehydrating and Preserving Co., Jacksonville, Fla. Dehydrator. 1,542,616; June 16.
Greenblatt, Max, New York, N. Y. Slipper. 1,542,236; June 16.
Greene, Austin E., Medford Hillside, Mass., assignor, by mesne assignments, to Condit Electrical Manufacturing Company, Circuit interrupter. 1,542,501; June 16.
Greene, Ralph L., Attleboro, Mass., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle. 1,542,237; June 16.
Greensburg Tool and Machine Company. (See Highducheck, Joseph M., assignor.)
Greenwood, Othello O., Lowell, Mass. Shade for windshield protectors. 1,541,942; June 16.
Gregory, Charles E., Hazelton, N. Dak. Jack. 1,542,695; June 16.

Grey, Henry, deceased, New York, N. Y., by American Universal Mill Company, Scranton, Pa., assignee. Rolling flanged metal beam or bar. Re16,097; June 16.
Griffith, William G., Charlotte, N. C., assignor to E. L. Carithers, Winder, Ga. Universal joint. 1,542,238; June 16.
Griggs, Jay T. (See Prilipp, W. R., and Griggs.)
Grigsby-Grunow-Hinds Co. (See Grunow, W. C., and Johnson, assignors.)
Grunow, William C., Chicago, and O. Johnson, Brookfield, assignors to Grigsby-Grunow-Hinds Co., Chicago, Ill. Visor-cover stretching and frame-inserting machine. 1,542,550; June 16.
Gruss, Roland M., San Francisco, Calif. Shock absorber. 1,541,943; June 16.
Guerlay, Hampton A., Houston, Tex. Piston ring. 1,541,944; June 16.
Guerrant, Russell H., Chicago, Ill. Shoe for foundry men and the like. 1,542,502; June 16.
Guilborg, Arthur V., Chicago, Ill. Antifriction insert for springs. 1,542,055; June 16.
Gunther, Robert F. (See Anthes, Albert N., assignor.)
Guy, Frederick M., and O. D. Heavenrich, Ypsilanti, Mich. Valve mechanism. 1,542,617; June 16.
Guy, Maurice, and J. J. Ruiz, Detroit, Mich. Engine. 1,542,056; June 16.
Haaga, Emil, Stuttgart, Germany. Circular-knitting frame. 1,541,809; June 16.
Hara, Carl, St. Moritz-Bad Engadin, Switzerland. Roller skate. 1,542,239; June 16.
Hadley, Ralph T. (See Andrew, J. M., and Hadley.)
Hagan, Howard E., Omaha, Nebr. Automobile tag. 1,542,551; June 16.
Hagen, George J., Company. (See Talley, Randal E., assignor.)
Hague, Alfred E., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone system. 1,542,383; June 16.
Haidle, Christian, Post Falls, Idaho. Meat hook. 1,542,503; June 16.
Hall, Andrew T., Newport, R. I., assignor to the Government of the United States. Torpedo. 1,542,384; June 16.
Hall, Harvey H., Adams County, Colo. Electrically operated disappearing bed. 1,542,766; June 16.
Halvorsen, Olaf, and W. T. Seibels, Chicago, Ill.; said Seibels assignor to said Halvorsen. Pass case. 1,542,124; June 16.
Ham Boiler Corporation. (See Adelmann, Hans, assignor.)
Hamerstadt, William D., Indianapolis, Ind. Metallic spidered fiber pulley. 1,542,125; June 16.
Hamilton, Margaret, Memphis, Tenn. Bathing cap 1,541,810; June 16.
Hamilton, William H. W., Rochester, N. Y., assignor of one-half to J. H. Huntsman, San Francisco, Calif. Vacuum refrigerator. 1,541,945; June 16.
Hanna, M. A., Company, The. (See Worthington, Edward B., assignor.)
Hanna, William T., Cincinnati, Ohio. Locomotive stoker. 1,542,344; June 16.
Hardie, Robert W., Fanwood, N. J. Humidifying air. 1,542,696; June 16.
Harding, Dana E., Danvers, assignor to Harding Engineering Company, East Boston, Mass. Leather-ironing machine. 1,542,447; June 16.
Harding Engineering Company. (See Harding, Dana E., assignor.)
Harley-Davidson Motor Co. (See Ziska, Adam, jr., assignor.)
Harper, William, jr., assignor to Skywing Aircraft Corporation, New York, N. Y. Treating engine fuel. 1,542,448; June 16.
Harries, Alfred. (See John, L. H., and Harries.)
Harris, Albert, Toronto, Ontario, Canada. Automobile bumper. 1,542,240; June 16.
Harris, George H., Stockton, Calif. Header-frame and feed-spout connection. 1,542,126; June 16.
Harris, James E., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Thermionic cathode and making the same. 1,542,385; June 16.
Harrison, Burt S., assignor to Drying System, Inc., Chicago, Ill. Atomizer. 1,541,946; June 16.
Harrison, Wade H., Petersburg, Va. Garment-hanger-supporting mechanism for wardrobe trunks. 1,542,298; June 16.
Hartley, Ralph V. L., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum-tube design. 1,542,386; June 16.
Hartman, Frank E., and H. B. Hartman, assignors to Electric Water Steriliser & Ozone Company, Scottdale, Pa. Electrolytic cell. 1,541,947; June 16.
Hartman, Harry B. (See Hartman, Frank E. and H. B.)
Hartmann, Carl, San Francisco, Calif. Gas burner. 1,542,241; June 16.
Hartmann Trunk Company. (See Rasmussen, Martin, assignor.)
Hartung, Carl A., Berlin, Germany. Method and apparatus for carrying out automatic gas analysis by weight. 1,542,242; June 16.
Hasait, Max, Dresden, Germany, assignor to Aktiebolaget Ara, Stockholm, Sweden. Rotary stage. 1,542,299; June 16.
Hasler, Joseph, Brooklyn, assignor to William R. Noe & Sons, New York, N. Y. Adapter for lamp shades. 1,541,948; June 16.
Hasselquist, Hugo S., assignor, by mesne assignments, to Autopoint Manufacturing Company, Chicago, Ill. Pencil. 1,542,449; June 16.
Hassett, Richard R., Lexington, Ky. Race-track starting gate. 1,542,767; June 16.
Hastings, Charles B., New York, N. Y. Portable electric saw. 1,542,127; June 16.
Hatch, Arnold S. (See Scott, John F., assignor.)
Hathaway, Edgar F., Wellesley, assignor to Shawmut Engineering Company, Boston, Mass. Assembling tube frames for looms. 1,542,805; June 16.
Hauffe, Chester N., Columbus, O. Demountable rim. 1,541,949; June 16.
Haugen, Arthur H., Tintah, Minn. Car-door holding and sealing device. 1,542,450; June 16.
Haushalter, John, Milwaukee, Wis. Universal mandrel. 1,542,128; June 16.
Hawke, Clarence E., and B. M. Johnson, Metuchen, N. J., assignor to The Carborundum Company, Niagara Falls, N. Y. Furnace. 1,542,552; June 16.
Hay, David G., Chicago, Ill. Finger ring. 1,542,345; June 16.
Hay, John T., Canton, Ohio, assignor to United Alloy Steel Corporation, New York, N. Y. Pickling steel sheets. 1,542,451; June 16.
Hayes, Benjamin P., Kansas City, Mo. Strip-feeding mechanism for adding machines. 1,542,129; June 16.
Hayes, Benjamin P., Kansas City, Mo. Ribbon-shifting mechanism for adding or like machines. 1,542,130; June 16.
Hayes, Frederick C. (See Willenbrock, August, assignor.)
Hayes, Lemon. (See Calhoun, G. B., White, and Hayes.)
Hays, Frank V., jr., West Orange, N. J. Shield for light bulbs. 1,542,131; June 16.
Hazel-Atlas Glass Co. (See Stenhouse, Thomas, assignor.)
Heald Machine Company. (See Drake, Alden M., assignor.)
Heavenrich, Osmond D. (See Guy, F. M., and Heavenrich.)
Heesch, Henry W., assignor to The Taylor Instrument Companies, Rochester, N. Y. Pen for recording apparatus. 1,541,950; June 16.
Heeter, Charles M., Butler, Pa. Oil-well derrick. 1,541,811; June 16.
Heide, William A., Detroit, Mich. Spark plug. 1,542,504; June 16.
Heincke, Martin L., Springfield, Ill. Jack. 1,542,132; June 16.
Heincke, Martin L., Springfield, Ill. Tire-changing device. 1,542,133; June 16.
Heineken, Michael. (See Piening, C., and Heineken.)
Heineman, Otto, New York, N. Y., assignor to General Phonograph Corporation. Radio loud speaker. Des. 67,594; June 16.
Heineman, Otto, New York, N. Y., assignor to General Phonograph Corporation. Radio loud speaker. Des. 67,595; June 16.
Heineman, Otto, New York, N. Y., assignor to General Phonograph Corporation. Radio loud speaker. Des. 67,596; June 16.
Heineman, Otto, New York, N. Y., assignor to General Phonograph Corporation. Radio loud speaker. Des. 67,597; June 16.
Heintz, Ernest E., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Window and regulator coupling. 1,542,134; June 16.
Heintz, Ernest E., and T. P. Archer, assignors to Ternstedt Manufacturing Company, Detroit, Mich. Window-sash channel. 1,541,951; June 16.
Heinzelman, William F., Pittsburgh, Pa. Tooth-cleaning implement. 1,542,243; June 16.
Heitz, Albert J., Vincennes, Ind. Electromagnetic switch. 1,542,768; June 16.
Heller, Hugo, and H. F. Frimmel, Milwaukee, Wis.; said Frimmel assignor to said Heller. Producing ornaments. 1,541,952; June 16.
Helwig, George. (See Denny, C. W., McLaughlin, and Helwig.)
Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,542,244; June 16.
Henrich, Hermann, assignor to Deutsche Maschinenfabrik A. G., Duisburg, Germany. Charging shaft furnaces with finely-ground charging material by feeding into the smelting zone. 1,542,245; June 16.
Henry, William D., Greenville, Ill. Towing tongue. 1,542,769; June 16.
Hepler, Walter. (See Reed, W. B., and Hepler.)
Herman, John E. (See Bornhauser, O. E., and Herman.)
Hermani, Henry, assignor to The Tin Decorating Company, Baltimore, Md. Toy savings bank. 1,541,953; June 16.
Herr, Herbert T., Philadelphia, Pa., assignor to Westinghouse Electric and Manufacturing Company. Nozzle-control mechanism for steam turbines. 1,542,387; June 16.
Hersh, Harry, Marinette, Wis. Combined bell and buzzer. 1,541,954; June 16.

Hess, John H., Bloomington, Nebr. Bracket device for construction of temporary plank seats. 1,542,770; June 16.

Highducheck, Joseph M., assignor to Greensburg Tool and Machine Company, Greensburg, Pa. Horizontal and vertical tractor hitch. 1,541,812; June 16.

Hills, Louis N., Haybro, Colo. Fruit-juice separator. 1,542,771; June 16.

Hirvonen, Erik J., Worcester, Mass., assignor to Leland-Gifford Company. Brake. 1,542,135; June 16.

Hively, Ossian, Alliance, Ohio. Reversing mechanism for valves. 1,542,452; June 16.

Hobbs, Weston J. (See Riblet, Royal N., assignor.)

Höchstädter, Martin, assignor to N. V. Lijn Protectie, 's Gravenhage, Netherlands. Safety circuit cut-out. 1,541,813; June 16.

Hodge, William B., Charlotte, N. C., assignor to Parks-Cramer Company, Boston, Mass. Humidifier. 1,542,136; June 16.

Hodgkins, Charles H., and W. C. Goodwin, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electromagnet contactor. 1,541,814; June 16.

Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Marine turbine. 1,542,453; June 16.

Hoffman, James D. (See Ross, D. E., and Hoffman.)

Hoffman, Joseph F., Maplewood, assignor to Johnson Automobile Lock Company, St. Louis, Mo. Automobile lock. 1,542,137; June 16.

Hogassian, Aram, New York, N. Y. Belt buckle. 1,542,246; June 16.

Holland, Irene K., et al., executors. (See Boonzaier, Wilhelm G.)

Hollenbeck, Elijah A., Shelby County, Mo. Motor cultivator. 1,541,955; June 16.

Hollins, Denis M., Blackburn, England, assignor to Draper Corporation, Hopedale, Mass. Automatic weft-replenishing mechanism for looms. 1,542,772; June 16.

Holmes, Bradford B., New York, N. Y. Mounting for auxiliary springs. 1,542,773; June 16.

Holmgren, Eric A., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shaping shoe-upper materials. 1,541,815; June 16.

Holshausen, Richard J., assignor to The Compo Manufacturing Company, Westport, Conn. Stapling machine. 1,541,956; June 16.

Homans, Thomas S., assignor to Intertype Corporation, Brooklyn, N. Y. Matrix releasing and delivering means. 1,542,774; June 16.

Hood, James B., Newark, N. J. Locking device for bolt nut and the like. 1,542,247; June 16.

Hooper, Harris G., San Francisco, Calif. Shock absorber. 1,541,957; June 16.

Hoos, Nannie T., et al. (See Gallagher, George D., assignor.)

Hoover Company, The. (See Bates, Albert H., assignor.)

Hoover, William C., and A. Dwyer, assignors to The B. F. Goodrich Company, New York, N. Y. Method and apparatus for grinding hard rubber. 1,542,346; June 16.

Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Braiding carrier. 1,542,454; June 16.

Hopkinson, Ernest, and W. A. Gibbons, New York, N. Y., assignors to Revere Rubber Company, Chelsea, Mass. Employing water solutions of rubber and articles so produced. 1,542,388; June 16.

Horawa, Frank, Detroit, Mich. Diaphragm valve. 1,541,958; June 16.

Hornbeck, George H., Cuba City, Wis. Stovepipe connection. 1,542,553; June 16.

Horvath, Alexander, Chicago, Ill. Breast watch. Des. 67,598; June 16.

Hou, Te-Pang. (See Jackson, D. D., Rogers, and Hou.)

Hough, John W. (See Drake, F. C., Hough, Iddings, and Pierson.)

Hounsfield, Leslie H., Croydon, England. Two-stroke-cycle engine. 1,542,697; June 16.

Housekeeper, William G., assignor to Western Electric Company, Incorporated, New York, N. Y. Vacuum pump. 1,542,390; June 16.

Housekeeper, William G., New York, N. Y., and W. R. Brough, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Vacuum-insulated terminal. 1,542,389; June 16.

Hoyden, Olav. Point Loma, Calif. Portable cooling, turning-over, and sacking apparatus. 1,542,057; June 16.

Howard, Ebenezer, Welwyn Garden City, England. Shorthand machine. 1,542,455; June 16.

Howarth, John H., Lanett, assignor to West Point Manufacturing Co., Langdale, Ala. Loom. 1,541,959; June 16.

Howe, Charles P., Walters, Okla. Working barrel. 1,542,248; June 16.

Howe, Chester C., New Kensington, Pa. Wringer. 1,542,391; June 16.

Hubbard, Burtt J., Kokomo, Ind. Automobile signal. 1,541,816; June 16.

Hull, Matthew R., assignor to Rex Manufacturing Company, Connersville, Ind. Connecting means for two-part automobile doors. 1,541,960; June 16.

Humm, George H., Fairfield, Conn., assignor to Radio Foundation, Inc., Brooklyn, N. Y. Variable-resistance grid leak for radio apparatus. 1,541,817; June 16.

Humphrey, George C. (See Coleman, E. B., and Humphrey.)

Humphreys, Omar R. (See Humphreys, Walter G. and O. R.)

Humphreys, Walter G. and O. R., Omaha, Nebr. Trench machine. 1,541,818; June 16.

Hunt, Charles M. (See Everett, James M., assignor.)

Hunter, David E., assignor to The Shaw-Walker Co., Muskegon, Mich. Furniture-top construction. 1,542,138; June 16.

Huntsman, Joseph H. (See Hamilton, William H. W., assignor.)

Hurt, Samuel N., assignor to Toledo Scale Company, Toledo, Ohio. Rack foot or support. 1,542,249; June 16.

Husted, Harry F., Dallas, Pa. Equalizer for ladders. 1,542,775; June 16.

Huther, William F., Canton, Ohio. Roller-bearing structure. 1,542,300; June 16.

Iddings, Harry J. (See Drake, F. C., Hough, Iddings, and Pierson.)

Ideal Roller & Mfg. Co. (See Linder, Oscar, assignor.)

Industrie-Verwaltung-Aktiengesellschaft. (See Friedenthal, Hans, assignor.)

Ingersoll-Rand Company. (See Bancel, Paul A., assignor.)

Ingram, Clifton M., assignor of one-half to R. L. Dedmon, Porter, Okla. Well-drilling tool. 1,542,776; June 16.

Inman, Harry C., et al. (See Meredith, Jaquelin M., assignor.)

Innes, Roy S., Madison, S. Dak. Cream separator. 1,542,250; June 16.

Intarvia Company. (See McKee, Ralph H., assignor.)

Intercontinental Development Company. (See Kopp, Roger S., assignor.)

Intertype Corporation. (See Homans, Thomas S., assignor.)

Irwin, John, et al. (See Whittemore, Carl B., assignor.)

Ives, Harry C., Bridgeport, Conn. assignor to The Ives Manufacturing Corporation. Truck for toy railway cars. 1,542,139; June 16.

Ives Manufacturing Corporation, The. (See Ives, Harry C., assignor.)

Jackson, Daniel D., A. Rogers, Brooklyn, and Te-Pang Hou, New York, N. Y. Method of and liquor for producing tanned leather. 1,541,819; June 16.

Jacobs, Stanley E., Brooklyn, and L. J. Schmehl, Larchmont, assignors to Stanley-Everett Corporation, New York, N. Y. Rheostat. 1,541,961; June 16.

Jacobus, George R., Hawthorne, N. J. Golf tee. 1,542,505; June 16.

Jagenberg, Emil, Dusseldorf, Germany. Manufacture of packages of rolled webs of paper. 1,541,962; June 16.

Jagenburg, Eugene R., New York, N. Y. Fruit-slice-cutting machine. 1,542,554; June 16.

Jaloszynski, Stanislaw. (See Kromp, M., and Jaloszynski.)

Jasper, Christiaan H., Rotterdam, Netherlands. Safety device for nuts on bolts. 1,541,963; June 16.

Jenner Glaswerk Schott & Gen. (See Schott, Erich, assignor.)

John, Lewis H., and A. Harries, Johnstown, Pa. Jointing and raking tool. 1,541,964; June 16.

Johns, Frank L., Tacoma, Wash. Blank-form book 1,542,456; June 16.

Johns-Manville, Incorporated. (See Wardell, Henry R., assignor.)

Johnson, Allan E. P., assignor of one-half to C. and H. V. Tilley, Toronto, Ontario, Canada. Foot rest for shoe-shine parlors. 1,542,141; June 16.

Johnson, Anna L. E., Marietta, Minn. Card game. 1,542,392; June 16.

Johnson Automobile Lock Company. (See Hoffmann, Joseph F., assignor.)

Johnson, Boyd M. (See Hawke, C. E., and Johnson.)

Johnson, Bror A. E. (See Ekstrom, G. C., Örström, and Johnson.)

Johnson, Harry C., Mason City, Nebr. Automatic stacker-tooth point. 1,542,698; June 16.

Johnson, John G., assignor of one-half to J. S. Anderson, Tacoma, Wash. Compressor. 1,542,140; June 16.

Johnson, Lawrence, et al., trustees. (See Sharpe, William A., assignor.)

Johnson, Otto. (See Grunow, W. C., and Johnson.)

Johnson, Peter, Seattle, Wash. Fluid-fuel burner. 1,542,142; June 16.

Johnson, Wright H. (See Ferriter, J. P., and Johnson.)

Joksch, Rudolf. (See Schember, K., and Joksch.)

Jones, Adrian D., Chagford, England. Heating device. 1,542,506; June 16.

Jones, Edwin F., and J. A. Auld, Erie, Pa. Material-handling apparatus. 1,542,143; June 16.

Jones, Ephraim R., Corbin, Ky. Embalming accessory. 1,542,699; June 16.

Jones, Laban E., assignor of one-half to M. L. McDermott, Anaconda, Mont. Signal. 1,542,555; June 16.

Jones, Percy L., Medford, Mass. Vapor-supply apparatus for fuel charges of internal-combustion engines. 1,542,301; June 16.

Jordahl, Anders, New York, N. Y. Dust separator. 1,542,556; June 16.

Jordan, Lawrence F., Deer Park, Wash. Motor vehicle. 1,541,965; June 16.

Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Projecting tumbler holder. Des. 67,599; June 16.

Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Projecting soap dish. Des. 67,600; June 16.

Jordan, Roy E., Newark, N. J., assignor to The Mosaic Tile Company. Combination soap holder and grab rail. Des. 67,601; June 16.

Jordon, L. L. (See McMahan, William L., assignor.)

Jorgensen, Bernhardt, Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,541,820; June 16.

Joseph, Ralph, London, England. Folding stool and the like. 1,542,700; June 16.

Joyce-Cridland Company, The. (See Spear, Walter A., assignor.)

Joyner, Taylor M., St. Cloud, Minn. Transmission gearing. 1,542,701; June 16.

Jubilee Manufacturing Company. (See Gillet, Alexis F., assignor.)

Kahn, Richard, Aktiengesellschaft. (See Classen, Wilhelm, assignor.)

Kaplan, Isidor, New York, N. Y. Adjustable cap. 1,542,302; June 16.

Kappele, Henry, Stamford, Conn. Press. 1,541,966; June 16.

Karamanos, Demetrios K., Joliet, Ill. Gas burner. 1,542,393; June 16.

Kaufman, Ralph A., Seattle, Wash. Oven for treating vehicle bodies. 1,542,145; June 16.

Kaufman, Adolph G., New York, N. Y. External hot-blast burner. 1,542,394; June 16.

Katsumoto, Yasutaro, Nishi-ku, Osaka, Japan. Core of transformers. 1,542,144; June 16.

Kayser, Charles H., Montclair, N. J. Automatic traffic-signal mechanism. 1,542,396; June 16.

Keane, John J. (See Scanlan, D. J., and Keane.)

Kearney, Martin W., Sheridan, Wyo. Adjustable line pole. 1,542,507; June 16.

Keating, Maurice. (See Lyman, Frederic S., assignor.)

Kelch, James W., J. J. Sunday, and F. Schlueter, Detroit, Mich. Heater for automobiles. 1,541,821; June 16.

Kellogg Switchboard and Supply Company. (See Kosak, Edward J., assignor.)

Kelly, Adelbert F., Spokane, Wash. Vehicle wheel. 1,542,068; June 16.

Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,542,303; June 16.

Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,542,304; June 16.

Kelso, William, assignor to The McConway & Torley Company, Pittsburgh, Pa. Car coupler. 1,542,305; June 16.

Kelso, William, assignor to The McConway & Torley Company Pittsburgh, Pa. Car coupler. 1,542,306; June 16.

Kener, Edward, jr., Buffalo, N. Y. Incinerator. 1,542,457; June 16.

Kennedy, Robert A., Lavonia, Ga. Wrench. 1,542,307 June 16.

Kenney, Frank A., Denver, Colo. System of automobile lighting. 1,542,059; June 16.

Kent, Thomas F. (See Coleman, Gilbert B., assignor.)

Kerch, Andrew A., Chicago, Ill. Valve lifter. 1,541,822 June 16.

Ketteler, Victor, Neshkoro, Wis. Dirigible headlight fo automobiles. 1,542,251; June 16.

Kimble, Martin, Washington, D. C. Tide and curren motor. 1,542,252; June 16.

Kimmel, William B., San Francisco, Calif. Stove. 1,542,146; June 16.

King, James G., Edgewater, assignor to J. L. Bruns, Denver, Colo. Tire lock. 1,542,060; June 16.

King, John G., Morristown, N. J. Passenger-identification device. 1,542,061; June 16.

Kingsland, Roger L., Fairmont, W. Va. Method of and apparatus for controlling arc welding. 1,542,702 June 16.

Kirkham, Walter J., Helena, Ark. Water-closet. 1,542,703; June 16.

Kirkpatrick, John M., Anaconda, Mont. Valve for inner tubes. 1,542,704; June 16.

Kirschbraun, Lester, Chicago, Ill. Making waterproo felted compositions. 1,542,557; June 16.

Kirshner, Abraham S., Philadelphia, Pa. Fruit and like press. 1,542,558; June 16.

Kiskadden, Charles R., Sheboygan, Wis. Combination flowerpot, lamp, and smoking stand. Des. 67,602 June 16.

Klasing, Augustus F., Chicago, Ill., assignor to The Klasing Car Brake Company. Brake-operating mechanism. 1,542,062; June 16.

Klasing, Augustus F. (See Nuessle, Edward, assignor.)

Klasing Car Brake Company, The. (See Klasing, Augustus F., assignor.)

Klein, Max, assignor to Mosse, Incorporated, New York, N. Y. Textile fabric. Des. 67,603; June 16.

Kline, Harry, Kerman, Calif. Wheeled scraper. 1,542,308; June 16.

Klink, Arthur V., Danbury, Conn. Ball game. 1,542,396; June 16.

Klinkenstein, Gustavo, New York, N. Y., J. L. Litomy, Glen Ridge, and E. Plavecsky, West Orange, N. J. Wafer capsule. 1,541,967; June 16.

Klymax Feeder Company. (See Morrison, Lewis E., assignor.)

Klymax Feeder Company. (See Plum, S. H., 2d, and Sibole, assignors.)

Klymax Feeder Company. (See Sibole, Percy L., assignor.)

Knight, Donald B., Brooklyn, N. Y. Refrigeration. 1,541,968; June 16.

Knight, Sidney W., London, England, assignor to Parker Brothers, Salem, Mass. Game apparatus. 1,542,063; June 16.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Assembling machine. 1,541,823; June 16.

Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for treating shoe uppers. 1,541,824; June 16.

Koenigkramer, Frederick, Cincinnati, Ohio. Chair. 1,542,508; June 16.

Kolisch, Paul. (See Aldendorff, Fritz, assignor.)

König, Albert, assignor to the Firm Carl Zeiss, Jena, Germany. Theodolite with compass. 1,542,397; June 16.

Kopp, Roger S., Duluth, Minn., assignor to Intercontinental Development Company. Composition board and making the same. 1,542,559; June 16.

Koppers Development Corporation, The. (See Koppers, Heinrich, assignor.)

Koppers, Heinrich, Essen-Ruhr, Germany, assignor to The Koppers Development Corporation, Pittsburgh, Pa. Coke-oven gas-main valve. 1,542,065; June 16.

Koretsky, Harry M., and B. H. Teitelbaum, Brooklyn; said Teitelbaum assignor to said Harry M. Koretsky and I. Koretsky, New York, N. Y. Dry-cell battery. 1,542,705; June 16.

Koretsky, Israel. (See Koretsky, H. M., and Teitelbaum, assignors.)

Kotsebue, Meinhard H., assignor of three-fourths to W. S. Estes, Tulsa, Okla. Gudgeon for bull wheels. 1,542,253; June 16.

Kosak, Edward J., Cicero, assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Winding machine. 1,541,969; June 16.

Klug, Alfred W., Milwaukee, Wis. Flag bracket. 1,542,458; June 16.

Kraft, Henry P., deceased, Ridgewood, N. J.; E. J. Phillipe and E. A. Darr, executors. Dust cap. 1,542,064; June 16.

Kragiel, William, Paterson, N. J. Musical whistle. 1,542,147; June 16.

Krakauer, Abraham, Brooklyn, N. Y. Self-locking spring. 1,541,825; June 16.

Kramariuk, Peter, Sault Ste. Marie, Ontario, Canada. Puzzle. 1,542,148; June 16.

Krautter, William D. (See Krautter, William F., assignor.)

Krautter, William F., assignor of one-half to W. D. Krautter, Chicago, Ill. Lock. 1,542,560; June 16.

Kromp, Michael, and S. Jaloszynski, Montreal, Quebec, Canada. Valve lock for gasoline conduits. 1,541,970; June 16.

Kroutl, Emil, Budweis, Czechoslovakia. Pencil having a slidable lead. 1,541,826; June 16.

Kueny, Albert, Danbury, Iowa. Vacuum-feed device. 1,542,509; June 16.

Kuhlman, Henry J., Colesburg, Iowa. Operating means for pump jacks. 1,542,459; June 16.

Ladd, John W. B., assignor to Randall-Faichney Corporation, Boston, Mass. Syringe. 1,542,777; June 16.

La Hodny, William, assignor to Standard Mirror Co., Inc., Buffalo, N. Y. Mirror bracket. Des. 67,604; June 16.

Laisy, Oscar J., Cleveland, Ohio. Collapsible form. 1,541,827; June 16.

Lampert, Henry H., Chicago, Ill. Wedge jack. 1,541,971; June 16.

Lanchester, Frederick W., Birmingham, England. Balancing of reciprocating engines. 1,542,254; June 16.

Lancia, Vincenzo, Turin, Italy. Motor car. 1,542,510; June 16.

Lancia, Vincenzo, Turin, Italy. Shock absorber. 1,542,511; June 16.

Landeen, Arvid G. (See Gabriel, J. C., and Landeen.)

Landry, Joseph A., Mont-Joli, Quebec, Canada. Traction device. 1,542,149; June 16.

Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Metal weather strip. 1,541,972; June 16.

Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Metal weather strip. 1,541,973; June 16.

Lane, Alfred M., assignor to Monarch Metal Products Company, St. Louis, Mo. Metal weather strip. 1,541,974; June 16.

Lang, Archibald C., Leetsdale, Pa. Attaching device. 1,542,706; June 16.

Langfeldt, Grover H., Normal, Ill. Automatic lubricating supply system. 1,542,707; June 16.
Larned, William A., Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Tennis racket and the like. 1,541,828; June 16.
Larned, William A., Summit, N. J., assignor to The Dayton Steel Racquet Company, Dayton, Ohio. Tennis racket and the like. 1,541,829; June 16.
Larrañaga, Peter J. M., London, England. Construction of roads and ways. 1,541,830; June 16.
Larson, Ivar C., assignor, by mesne assignments, to G. S. Cooper, Providence, R. I. Safety attachment for power presses. 1,542,708; June 16.
Larson, Wilhelm L., Oslo, Minn. Circuit breaker. 1,542,709; June 16.
Laskey, William B., Brooklyn, N. Y. Making filled candy. 1,542,710; June 16.
Laskin, Benjamin, and H. J. Biberman, Philadelphia, Pa. Sanitary cover for pillows. 1,542,561; June 16.
Le Duke, Lawrence B., Lawrence, Mich. Spraying apparatus. 1,542,309; June 16.
Leeds & Northrup Company. (See Bristol, Edward S., assignor.)
Legge, Alfred G., Brockton, Mass. Making and using arch-supporting insoles. 1,542,460; June 16.
Legge, Arthur V., Melbourne, Victoria, Australia. Roasting furnace. 1,542,150; June 16.
Lehman, Calvin H., Johnstown, Pa. Smoker's set. Des. 67,605; June 16.
Lehtonen, Matti, Chisholm, Minn. Gate latch. 1,542,151; June 16
Leland-Gifford Company. (See Hirvonen, Erik J., assignor.)
Leon, Lewicki J., Chicago, Ill. Bird-cage body. Des. 67,606; June 16.
Leonard, Clarence C., Erie, Pa. Direction signal for automobiles. 1,542,152; June 16.
Leppert, Henry E., New Britain, assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Electric snap switch. 1,542,310; June 16.
Leslie, John W., Evanston, assignor to Signode System, Inc., Chicago, Ill. Tire-strapping press. 1,542,235; June 16.
Lester, Norbert J. C., Knoxville, Tenn. Timer. 1,541,975; June 16.
Lett, James A., Portsmouth, Ohio. Illuminated level. 1,542,512; June 16.
Levoz, Toussaint, Heer, Belgium. Furnace for melting and treating ores and metals generally. 1,542,502; June 16.
Lewis, Howard D., Pictou, Nova Scotia, Canada. Sanitary toilet-seat covering. 1,542,153; June 16.
Lewis-Shepard Company. (See Lovejoy, Ralph M., assignor.)
Lewis, Thomas, New Cumberland, Ohio. Temporary shock support. 1,542,066; June 16.
Liberty National Bank, trustee. (See Deckert, Oscar R., assignor.)
Lieberthal, Robert H., assignor to The All-In-One Manufacturing Company, Bridgeport, Conn. Collapsible tube. 1,542,583; June 16.
Liese, Paul, Tempelhof, Germany. Grid window. 1,542,564; June 16.
Limperos, Chrest, Wilmington, Del. Directing signal for an automobile. Des. 67,607; June 16.
Linder, Oscar, assignor to Ideal Roller & Mfg. Co., Chicago, Ill. Making molded articles. 1,541,831; June 16.
Lindholm, William, Bridgeport, Conn. Adjustable bracket. 1,542,618; June 16.
Lindvall, Sten E., Altona, Germany. Push-button switch. 1,542,154; June 16.
Lionel Corporation, The. (See Caruso, Louis, assignor.)
Lipman Refrigeration Company. (See Dennison, French E., assignor.)
Litomy, John L. (See Klinkenstein, G., Litomy, and Plavecsky.)
Locke, Albert R., Chicago, Ill. Lamp mounting. 1,542,619; June 16.
Locke, Sylvanus D., Bridgeport, Conn. Portable flexible track and making the same. 1,541,832; June 16.
Locke, Sylvanus D., Bridgeport, and C. R. Douch, Stratford, assignors to The Chassis Lubricator Company, Bridgeport, Conn. Lubricating apparatus. 1,542,311; June 16.
Locomotive Economizer Corporation. (See Foster, Guy T., assignor.)
Lödel, Georg, Georgensgmund, Germany. Lifting device for movable weirs and the like. 1,542,461; June 16.
Loepsinger, Albert J., Providence, R. I., assignor to General Fire Extinguisher Company. Sprinkler system. 1,542,462; June 16.
Loeven, William A., Los Angeles, Calif. Portable punch. 1,542,711; June 16.
Loewe, Bernard, Zurich, Switzerland. Spinning and piecing apparatus. 1,542,620; June 16.
Logan, Henry H., Chicago, Ill. Safety brake engine. 1,541,833; June 16.
Longren, Albin K., Topeka, Kans. Fuselage. 1,541,976; June 16.
Longstreet, Abraham J., F. A. Callif., and F. J. Blakeslee, Grand Rapids, Mich. Cart. 1,542,621; June 16.
Lorens, William A., assignor to The Otaka Fabric Company, Hartford, Conn. Paper making. 1,541,977; June 16.
Lorenz, William A., and S. Shaw, Hartford, Conn.; said Shaw assignor of his entire right to said Lorenz. Airplane propeller and making the same. 1,541,978; June 16.
Lösel, Franz, Brunn, Czechoslovakia. Axial turbine. 1,541,834; June 16.
Lovejoy, Ralph M., Meredith, N. H., assignor to Lewis-Shepard Company, South Boston, Mass. Hoisting machine. 1,542,067; June 16.
Lowther, John W., Pittsburgh, Pa. Traffic signal for street crossings. 1,541,979; June 16.
Luber, Solomon, assignor to Standard Solophone Mfg. Co., Inc., New York, N. Y. Game device. 1,541,980; June 16.
Lucas, Owen D., Bamwater, assignor to Vickers Limited, London, England. Breech loading gun. 1,541,981; June 16.
Luck, Mary R., Dallas, Tex., assignor of one-half to N. R. McElroy, New Orleans, La. Sleeveless one-piece robe. 1,542,622; June 16.
Luitwieler, Samuel W., Rochester, N. Y. Cam-driven pump. 1,542,312; June 16.
Luitwieler, Samuel W., Rochester, N. Y. Cam-driven pump. 1,542,313; June 16.
Luitwieler, Samuel W., Rochester, N. Y. Cam-driven pump. 1,542,314; June 16.
Lum, George R., assignor to Western Electric Company, Incorporated, New York, N. Y. Loud-speaking telephone receiver. Des. 67,608; June 16.
Luts, William R., St. James, Mo. Trap nest. 1,541,982; June 16.
Lyman, Frederic S., assignor of one-half to M. Keating, Salt Lake City, Utah. Seed separator. 1,542,155; June 16.
Lyon, George A., Allenhurst, N. J. Automobile buffer device. 1,542,623; June 16.
Lyreman, Walter H., Los Angeles, Calif., and G. A. Amidon, Brighton, Colo. Internal-combustion engine. 1,542,463; June 16.
Macgill, Charles D., assignor to Barr and Stroud, Limited, Glasgow, Scotland. Indicator apparatus. 1,542,465; June 16.
MacGown, Harold L., and H. G. Clark, Gorham, N. H. Sled attachment for automobiles. 1,542,628; June 16.
Mackay, Hugh A., assignor to Asphalt Cold Mix Limited, London, England. Bituminous emulsion. 1,542,626; June 16.
MacKay-White, Eric W., Edmonton, Alberta, Canada. Differential gear. 1,542,069; June 16.
Mackintosh, George, Oceanside, N. Y. Interchangeable directory strip. 1,542,789; June 16.
Macy, Alfred J., Chicago, Ill. Searchlight. 1,542,259; June 16.
Maden, Albert, Waterfoot, England. Profile template. 1,542,158; June 16.
Magnet-Werk G. m. b. H. Eisenach Spezialfabrik für Elektromagnet-Apparate. (See Bing, Julius, assignor.)
Mahony, William F., Washington, D. C. Golf tee. 1,542,514; June 16.
Mairesse, Georges G. U. M., Paris, France. Process for finishing textile materials. 1,542,795; June 16.
Mairesse, Georges G. U. M., Paris, France. Color-printing process. 1,542,796; June 16.
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Threshold. 1,541,837; June 16.
Maloney, Thomas E. (See Frankland, W., and Maloney.)
Manning, Maxwell & Moore, Inc. (See Baker, Hubert E., assignor.)
Marquis, George A., Lewiston, Me. Electrocuting rat trap. 1,541,985; June 16.
Marsh, Willard R., Memphis, Tenn. Folding table. 1,541,838; June 16.
Marston, Marvin R., Long Beach, Calif. Automatic tightening cot or the like. 1,542,260; June 16.
Martin, John B., Shreveport, La. Elevator for sucker rods. 1,541,986; June 16.
Martin, L. T., et al., trustees. (See Sharpe, William A., assignor.)
Martin, Robert W., Glenoma, Wash., assignor to R. W. Martin Company, Tenino, Wash. Nut lock. 1,542,073; June 16.
Martin, R. W., Company. (See Martin, Robert W., assignor.)
Martin, William F., Harrisburg, Pa. Coal washer and separator. 1,542,627; June 16.
Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
Mascall, George S., assignor to John Bell & Croyden Limited, London, England. Valve for sterilizing apparatus. 1,541,987; June 16.
Mason, John, and H. Mueller, Chicago, Ill. Automatic thumber. 1,542,628; June 16.
Massuere, Mark H., Cheyenne, Wyo. Tire-chain tool. 1,542,629; June 16.
Mathers, D. B., et al. (See Gramm, John A., assignor.)
Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,542,566; June 16.
Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,542,567; June 16.

Mathes, Robert C., assignor to Western Electric Company, Incorporated, New York, N. Y. Secret signaling. 1,542,565; June 16.
Matthews, J. Marsh, et al. (See Gallagher, George D., assignor.)
Max Ams Machine Company, The. (See Brensinger, Julius, assignor.)
Maxwell, Edwin F., Berkeley, Calif. Archer's arrow nock and finger grip. 1,542,159; June 16.
Maxwell, John S., and E. H. Rothrock, Pittsburg, Kans. Swaging tool. 1,542,160; June 16.
May, William, Belgium, Wis. Beet harvester. 1,542,466; June 16.
Mayer, Walter S., Philadelphia, Pa. Electric ground clamp. 1,542,074; June 16.
McAlear, James, and B. W. Riesbeck, Chicago, assignors to The McAlear Mfg. Co., Chicago, Ill. Controlling device for heaters. 1,542,068; June 16.
McAlear Mfg. Co., The. (See McAlear, J., and Riesbeck, assignors.)
McClelland, James D., Mount Vernon, N. Y. Grinding machine. 1,542,624; June 16.
McConway & Torley Company, The. (See Kelso, William, assignor.)
McConway & Torley Company, The. (See Regan, William J., assignor.)
McConway & Torley Company, The. (See Regan W. J., and George, assignors.)
McCullough, Charles, San Francisco, Calif. Egg-washing machine. 1,542,347; June 16.
McDermott, Michael L. (See Jones, Laban B., assignor.)
McElroy, N. R. (See Luck, Mary R., assignor.)
McGill, Philip K., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Electromagnetic device. 1,542,396; June 16.
McGowan, Robert B., Cincinnati, Ohio. Ground vase. 1,541,983; June 16.
McIntyre, Winfield E., Fayetteville, N. Y. Paper-making machine. 1,542,256; June 16.
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Slub catcher. 1,542,399; June 16.
McKee, Harry E., Brooklyn, N. Y. Stem handle. 1,542,070; June 16.
McKee, Ralph H., assignor to Intarvin Company, New York, N. Y. Production of esters of fatty acids. 1,542,513; June 16.
McKeon, William D., assignor of one-half to A. R. Petterson, Worcester, Mass. Socket wrench. 1,542,071; June 16.
McKinley, John E., assignor of one-fourth to E. Bowen, Oakland, Nebr. Shears sharpener. 1,541,835; June 16.
McLaughlin, William E. (See Deany, C. W., McLaughlin, and Helwig.)
McLendon, Thomas S., Carrollton, Ga. Poultry nest. 1,542,154; June 16.
McMahan, William L., assignor of one-third of L. L. Jordon, Oskaloosa, Iowa. Drafting system for locomotives. 1,542,257; June 16.
McMenamin, Joseph, Philadelphia, Pa. Mineral detector and rectifier for radio reception. 1,542,258; June 16.
McMinn, Raymond H., Chicago, Ill. Coin-controlled clock. 1,541,984; June 16.
McNab, Alexander, Bridgeport, Conn. Sound-locating device. 1,541,836; June 16.
McNeil, Isaac M., Venice, Calif. Wave motor. 1,542,464; June 16.
McNeill, Price H., Olympia, Wash. Automobile lamp. 1,542,072; June 16.
McNulty, Sterrett B., Los Angeles, Calif. Adjustable phonograph repeater. 1,542,157; June 16.
Mead, Ezra B., assignor to Ottumwa Iron Works, Ottumwa, Iowa. Brake control. 1,542,515; June 16.
Meissner, Herman A., St. Petersburg, Fla., assignor to Westinghouse Electric & Manufacturing Company. Elastic-fluid turbine. 1,542,402; June 16.
Mellus, Grover B., Los Angeles, Calif. Hose. 1,542,161; June 16.
Meredith, Jaquelin M., Norfolk, Va., assignor of one-third to H. C. Inman, Berwyn, Md., and one-third to T. A. Nuckols, Norfolk, Va. Collapsible tire rim. 1,542,630; June 16.
Merrell, George F., Inc. (See Adams, Frank A., assignor.)
Merrick, William A., Los Angeles, Calif. Thermostat control for water heaters. 1,542,712; June 16.
Merrimac Chemical Company. (See Bonnamen, Osborne, assignor.)
Messina, Joseph, et al. (See Biondo, Philip M., assignor.)
Metal & Thermit Corporation. (See Bogtrap, Edward F., assignor.)
Metal & Thermit Corporation. (See Doppelar, John H., assignor.)
Metalweld Service Corporation. (See Oschsle, Joseph S., assignor.)
Metzler, Lawrence W. and W. L., Topeka, Kans. Electric lamp-maintenance device. 1,541,839; June 16.
Metzler, Walter L. (See Metzler, Lawrence W. and W. L.)
Meyer, Florence L., San Francisco, Calif. Doll. Des. 67,609; June 16.
Meyer, Hans B., New York, N. Y. Toy bed or article of similar nature. Des. 67,610; June 16.
Meyer, William, Chicago, Ill. Drying. 1,541,985; June 16.
Meylach, Louis. (See Page, L. M., and Meylach.)
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold. 1,542,797; June 16.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold. 1,542,798; June 16.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold. 1,542,800; June 16.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold. 1,542,801; June 16.
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Tire mold. 1,542,802; June 16.
Midwest Air Filters, Inc. (See Runback, Karl G., assignor.)
Miehle Printing Press and Manufacturing Company. (See Blaine, Joseph R., assignor.)
Miles, George F., Torrington, Conn. Fishing reel. 1,542,405; June 16.
Milk Bottle Crate Company. (See Stoddard, Robert, assignor.)
Miller, A. L. et al, trustees. (See Sharpe, William A., assignor.)
Miller, Charles A., Washington, D. C. Radio dial adjuster. 1,542,563; June 16.
Miller, James G., Norfolk, Va. Double-decked car ferry. 1,541,989; June 16.
Miller, Raymond J. (See O'Neill, T. F., and Miller.)
Miller Rubber Company, The. (See Riley, Ralph E., assignor.)
Miner, Floyd E. (See Du Mais, L. J., and Miner.)
Mininberg, Nathan, Minneapolis, Minn. Batter dropper 1,541,990; June 16.
Minnick, Frederick L., and H. Z. Dean, Ellensburg, assignors to Dean-Minnick Steel Wheel Company, Seattle, Wash. Vehicle wheel. 1,542,076; June 16.
Mishawaka Rubber and Woolen Manufacturing Company. (See Blair, George W., assignor.)
Mitchell, John D., Stocksfield, England. Device for opening tins, cans, cartons, and the like. 1,542,075; June 16.
Moline Implement Company. (See Bradley, William A., assignor.)
Moline Implement Company. (See Dickinson, Harry S., assignor.)
Monarch Metal Products Company. (See Lane, Alfred M., assignor.)
Mondi, Angelo, Salina, Pa. Automatic feeding table. 1,542,569; June 16.
Monk, Reginald H., et al. (See Whittemore, Carl E., assignor.)
Montague, John W., New York, N. Y. Textile fabric used for draperies. Des. 67,611; June 16.
Moody, Joseph F. and V. L. Du Bois, Tulsa, Okla. Safety hook. 1,541,991; June 16.
Moore, Callie F., et al. (See Gallagher, George D., assignor.)
Moore, James L., assignor to The Moore Steam Turbine Corporation, Wellesville, N. Y. Turbine bleeder valve. 1,542,162; June 16.
Moore, Jay C., Fredonia, Pa. Electric generator circuit. 1,542,261; June 16.
Moore, John C., Connersville, Ind. Headlight and signal control for vehicles. 1,542,077; June 16.
Moore Steam Turbine Corporation, The. (See Moore, James L., assignor.)
Moratta, Mathew M., Princeton, Ind. Self-tightening bolt. 1,542,467; June 16.
Morde, Albert, New Bedford, Mass. Adjustable carrier strap. 1,542,163; June 16.
Morgan, Charles B., and R. A. Crooks, Kansas City, Mo. Writing machine. 1,541,840; June 16.
Morgan, Maywood C., Portsmouth, Ohio. Valve-spring compressor. 1,542,078; June 16.
Morgan, William W., Philadelphia, Pa. Plumber's bib. Des. 67,612; June 16.
Moriarty, Benedict E., Howard, S. Dak. Door latch. 1,541,992; June 16.
Morris, Stephen, New York, N. Y. Baby-carriage hood. Des. 67,613; June 16.
Morrison, Lewis and T. L., East Leavenworth, Mo. Spark plug. 1,542,631; June 16.
Morrison, Lewis E., Newark, N. J., assignor to Klymax Feeder Company, Printing press. 1,542,632; June 16.
Morrison, Thomas L. (See Morrison, Lewis and T. L.)
Morton, John B., jr., Charleston, W. Va. Floor-cleaning machine. 1,542,262; June 16.
Mosaic Tile Company, The. (See Jordan, Roy E., assignor.)
Mosler Safe Company, The. (See Bellamere, David H., assignor.)
Mosse, Incorporated. (See Klein, Max, assignor.)
Mueller, Adolph, trustee. (See Mueller, P., and Schuermann, assignors.)
Mueller, Herman. (See Mason, J., and Mueller.)
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee, Decatur, Ill. Supply valve for drinking fountains. 1,542,570; June 16.
Mueller, Philip, and A. C. Schuermann, assignors to A. Mueller, trustee. Mixing valve. 1,542,571; June 16.

Mueller, William A., Washington, D. C. Door bolt. 1,542,468; June 16.
Müller, Friederich, assignor to Pratt & Whitney Company, Hartford, Conn. Grinding machine and method of grinding. Re16,096; June 16.
Mulligan, Ann., San Diego, Calif. Location-indicating means for maps. 1,542,079; June 16.
Murck, Knud, New York, N. Y., assignor to New York Blue Print Paper Co., Inc. Work table for lithoprinting. 1,542,633; June 16.
Murphy, Thomas J., Astoria, assignor of one-half to J. P. B. Duffy, Rochester, N. Y. Speed governor. 1,542,080; June 16.
Musser, Robert B., Seattle, Wash. Refrigerating device. 1,542,081; June 16.
Myers, Harry A., assignor to G. A. Reach, Philadelphia, Pa. Baseball glove. 1,542,516; June 16.
N. V. Lijn Protectie. (See Höchstädter, Martin, assignor.)
Naamlooze Vennootschap "Ago" Maatschappij tot het Verwerken Veredelen en Drogen van Hout. (See Pfleumer, Frits, assignor.)
Naamloose Vennootschap Norit Witsuiker Maatschappij (also called Norit White Sugar Company). (See Sauer, Johan N. A., assignor.)
Nashua Gummed and Coated Paper Company. (See Van Sluys, Adolph C., assignor.)
Nashua Gummed and Coated Paper Company. (See Van Sluys, A. C., and Perry, assignors.)
Nason Manufacturing Company. (See Pfeiffer, Otto J., assignor.)
National Brooder Company, The. (See Runyan, Paul W., assignor.)
National Carbon Company. (See Voorhees, Lee J., assignor.)
National Standard Company. (See Hopkins, Arthur C., assignor.)
Nesbr, Jacob B., Hartsdale, N. Y. Cigar extinguisher. 1,541,841; June 16.
Nelson, Bernard, Chicago, Ill. Automobile fender. 1,542,469; June 16.
Nelson, Christian V., assignor to Washburn Crosby Company, Minneapolis, Minn. Cord winding and cutting device. 1,542,082; June 16.
Nelson, Edwin E., jr. (See Williams, G. J., and Nelson.)
Nelson, Joseph E., & Sons. (See Tanner, Inos B., assignor.)
Nelson, Swan, Chicago, Ill. Bag holder. 1,542,164; June 16.
Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Chicago, Ill. Lighting fixture. 1,542,778; June 16.
Ner-A-Car Corporation. (See Neracher, Carl A., assignor.)
Neracher, Carl A., Syracuse, N. Y., assignor to Ner-A-Car Corporation. Third-wheel attachment for motor cycles. 1,541,993; June 16.
New York Blue Print Paper Co. (See Murck, Knud, assignor.)
Niagara Textile Company. (See Emerson, Jerome E., assignor.)
Nickle, Orean C., Las Animas, Colo. Hay press. 1,542,263; June 16.
Nielsen, Niels J., Aarhus, Denmark. Continuously sterilizing milk and the like. 1,541,994; June 16.
Nineteen Hundred Washer Company, The. (See Doughty, Herman W., assignor.)
Nixon, Moses C., Chicago, Ill. Propeller apparatus. 1,542,083; June 16.
Noe, William R., & Sons. (See Hasler, Joseph, assignor.)
Noell, Elmer F., assignor to The Printing Machinery Company, Cincinnati, Ohio. Printing-plate-clamping device. 1,542,315; June 16.
Nordquist, Carl C., Menominee, Mich. Combination fruit tool. 1,542,470; June 16.
Norris, James F., and E. W. Fuller, Cambridge, Mass. Making acids from aromatic hydrocarbons. 1,542,264; June 16.
Norris, James F., and E. O. Cummings, Cambridge, Mass. Making aminosalicylic acid. 1,542,265; June 16.
Nuckols, Temple A., et al. (See Meredith, Jaquelin M., assignor.)
Nuessle, Edward, assignor of one-half to A. F. Klasing, Denver, Colo. Saw set. 1,542,471; June 16.
Nye, Marion A., Erie, Pa. Brake release. 1,542,634; June 16.
Nyman, Carl J., assignor of one-half to E. W. Allen, Winsted, and one-half to A. B. Wellman, Torrington, Conn. Circuit closer. 1,542,635; June 16.
O & J Machine Company, The. (See Oslund, Charles H., assignor.)
Odum, George, Chicago, Ill. Device for smoothing or dressing rails. 1,541,995; June 16.
Oeschle, Joseph S., assignor to Metalweld Service Corporation, Philadelphia, Pa. Marine unit. 1,542,165; June 16.
Oil Well Accessories Corporation. (See Colegrove, W. J., and Vandervoort, assignor.)
Olander, Kemuel B., Minneapolis, Minn. Ironing table. 1,542,084; June 16.
Oliver Electric and Manufacturing Company. (See Amos, John A., assignor.)
Oliver, Immanuel A., Santa Clara, assignor Bean Spray Pump Co. San Jose, Calif. Governor for power-driven pumps. 1,541,996; June 16.
Olson, Alfred, Clark, S. Dak. Barrel support. 1,542,636; June 16.
Olson, Alfred, Clark, S. Dak. Barrel support. 1,542,713; June 16.
O'Neal, Jay F., Waterloo, Iowa. Trolley shoe. 1,542,572; June 16.
O'Neill, Thomas F., New Haven, Conn., and R. J. Miller, New York, N. Y. Warm-air syringe. 1,542,472; June 16.
Orrock, John W., Montreal, Quebec, Canada. Weatherproof rail stand for track scales. 1,542,166; June 16.
Örström, Gustaf. (See Ekstrom, G. C., Örström, and Johnson.)
Osgood, Philip S., Cleveland, Ohio. Light projector. 1,541,842; June 16.
Oslund, Charles H., assignor to The O & J Machine Company, Worcester, Mass. Reenforced wire-drawing block. 1,542,714; June 16.
Ostendorf, Peter, Vienna, Austria. Siemens-Martin furnace. 1,541,843; June 16.
Ostheimer, Frank C., and L. F. Roberson, Virgil, Kans. Pipe-gripping device. 1,542,167; June 16.
Ostrom, John S., assignor to Henry Rhine & Company, San Francisco, Calif. Molding machine for shaping plastic material. 1,542,848; June 16.
Oswego Falls Corporation. (See Wright, Wilbur L., assignor.)
Otaka Fabric Company, The. (See Lorens, William A., assignor.)
Ottumwa Iron Works. (See Mead, Ezra B., assignor.)
Owens, Dabney P., Lake Worth, Fla. Tractor chain. 1,542,715; June 16.
P & M Company, The. (See Cook, Adoniram J., assignor.)
P & M Company, The. (See De Busk, William H., assignor.)
P & M Company, The. (See Donovan, P. H., and Berkeley, assignors.)
P & M Company, The. (See Warr, Harold G., assignor.)
Package Machinery Company. (See Smith, Elmer L., assignor.)
Packard Motor Car Company. (See Tibbetts, Milton, assignor.)
Page, Leslie M., Maplewood, N. J., and L. Meylach, Brooklyn, N. Y. Hat-lining-blocking machine. 1,541,997; June 16.
Paige, Arthur E., Philadelphia, Pa. Thermostatically-controlled valve. 1,542,573; June 16.
Pallin, Ferguson, Limited. (See Pallin, George, assignor.)
Pallin, George, assignor to Ferguson Pallin Limited, Manchester, England. Circuit breaker. 1,541,998; June 16.
Paley Engineering Company. (See Paley, Lewis A., assignor.)
Paley, Lewis A., Buffalo, assignor to Paley Engineering Company, New York, N. Y. Molded article and manufacturing same. 1,541,999; June 16.
Palmer, Edward W. (See Palmer, William H., and E. W.)
Palmer, William H. and E. W., San Diego, Calif. Drill-rod-joint connection. 1,542,266; June 16.
Park, Emma L. (See Park, Watson and E. L.)
Park, Watson and E. L., Fair Ground, Ontario, Canada. Porridge mixer. 1,542,574; June 16.
Parker Brothers. (See Knight, Sidney W., assignor.)
Parker, Philip, Woburn, Mass. Device for supporting pipe coils. 1,542,267; June 16.
Parkerton, Clarence E., Danbury, Conn. Spark plug. 1,542,268; June 16.
Parks-Cramer Company. (See Comfort, E. W., and Thompson, assignors.)
Parks-Cramer Company. (See Hodge, William B., assignor.)
Parsons, Burt L., Brooklyn, N. Y. Headpiece. 1,542,000; June 16.
Partlow, Howard W., Utica, N. Y. Diaphragm valve. 1,542,517; June 16.
Pate, Robert L., Springfield, Mo. Radiator cover. 1,541,844; June 16.
Patent Button Company, The. (See Purinton, Forrest G., assignor.)
Paterson, Archie D., and M. A. Gray, London, England; said Gray assignor to said Paterson. Carburetor. 1,542,168; June 16.
Pathe Cinema, Anciens Etablissements Pathe Freres. (See Saline, Georges A., assignor.)
Patton, Samuel I., assignor of one-third to H. J. Garrett, Dallas, and one-third to T. J. Barton, Fort Worth, Tex. Window-screen fastener. 1,542,269; June 16.
Paulson, Fred, Geneva, Ill. Artificial bait. 1,542,404; June 16.
Payne, William H., Pittsburgh, Pa. Means for protecting furnace electrodes. 1,542,716; June 16.
Pawsat, Ewald F., assignor to Wald Manufacturing Company, Sheboygan, Wis. Luggage carrier. 1,542,807; June 16.
Pearsoe, Charles H., Brooklin, Mass. Fuse. 1,542,169; June 16.
Pearson, Robert D. (See Selden, C. C., and Pearson.)
Pease, Isaac M., Cincinnati, Ohio. Truss. 1,542,717; June 16.
Pemberton, James D., and J. A. Burney, Plant City, Fla. Nonglaring headlight for vehicles. 1,542,718; June 16.

Penwell, Lewis, assignor to L. F. Penwell, Helena, Mont. Tire-chain carrier. 1,542,719; June 16.
Penwell, Lewis F. (See Penwell, Lewis, assignors.)
Perry, George E., assignor to W. F. Cummings, Chicago, Ill. Lamp support. 1,542,575; June 16.
Perry, Winthrop L. (See Van Sluys, A. C., and Perry.)
Permon, Anton, Charlerol, Pa. Radiator. 1,542,085; June 16.
Peterman, William C., Rutherford, N. J., assignor to The Western Union Telegraph Company, New York, N. Y. Tape transmitter. 1,542,779; June 16.
Peters, John, Mingo, Kans. Milking stool. 1,542,518; June 16.
Peterson, Bert, et al. (See Calhoun, G. E., White, and Hayes, assignors.)
Peterson, Reuben G., Wessington Springs, S. Dak. Stock waterer. 1,542,270; June 16.
Petitti, Nicola. (See Cardarelli, Emilio, assignor.)
Petterson, Arthur R. (See McKeon, William D., assignor.)
Petchone, Ward B., assignor to Willard Storage Battery Company, Cleveland, Ohio. Apparatus for and method of applying cross connecters to storage-battery terminal posts. 1,542,405; June 16.
Pettis, Clifton D., New York, N. Y. Casting mold. 1,542,637; June 16.
Pettis, Clifton D., New York, N. Y. Casting mold. 1,542,638; June 16.
Pettis, Clifton D., New York, N. Y. Casting mold. 1,542,639; June 16.
Pettis, Clifton D., New York, N. Y. Permanent casting mold. 1,542,640; June 16.
Pettis, Clifton D., New York, N. Y. Permanent casting mold. 1,542,641; June 16.
Pettis, Clifton D., New York, N. Y. Mold. 1,542,642; June 16.
Pettis, Clifton D., New York, N. Y. Mold and method of molding. 1,542,643; June 16.
Pfeiffer, Otto J., New York, N. Y., assignor to Nason Manufacturing Company. Pipe union. 1,542,406; June 16.
Pfleumer, Frits, Dresden-A, Germany, assignor to Naamloose Vennootschap "Ago" Maatschappij tot het Verwerken Veredelen en Drogen van Hout, ter Apel (Gron.), Netherlands. Process and device for making form pieces of wood. 1,542,576; June 16.
Philadelphia Ice Cream Cone Machinery Company. (See Berson, Louis, assignor.)
Phillips, Arthur H., Hulberton, N. Y. Receptacle facer. 1,542,810; June 16.
Phillips, Edgar J., et al., executors. (See Kraft, Henry P.)
Phillips, Walter B., Clinton, Ill. Fencing machine. 1,542,720; June 16.
Philp, George E., Los Angeles, Calif. Bedspring stretcher. 1,542,066; June 16.
Phippe, Samuel G. W., assignor to Roneo Limited, London, England. Addressing or like printing machine. 1,542,577; June 16.
Phoel, Philip, New Dorp, N. Y. Ring spring. 1,542,087; June 16.
Piening, Charles, and M. Heineken, Hamburg, Germany. System of grain ventilation. 1,542,721; June 16.
Pierrel, Anthony R., Washington, La. Packing ring. 1,542,170; June 16.
Pierson, Leroy D. (See Drake, F. C., Hough, Iddings, and Pierson.)
Pierson, Ridgely B., Quincy, Ill. Combination cuff. 1,542,473; June 16.
Pierson, Robert M., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Cushion tire. Des. 67,614; June 16.
Pilati, Gaetano, Florence, Italy. Building block. 1,542,001; June 16.
Pines Manufacturing Company. (See Raleigh, James F., assignor.)
Pinnell, William K., Sedalia, Colo. Thermostatic circuit closer. 1,542,722; June 16.
Pitia, George A. (See Zeiki, Louis, assignor.)
Planett, Fred E., assignor to Planett Manufacturing Company, Oakland, Calif. Corner bead. 1,542,317; June 16.
Planett Manufacturing Company. (See Planett, Fred E., assignor.)
Plavecsky, Emil. (See Klinkenstein, G., Litomy, and Plavecsky.)
Plum, S. Haines, 2d, Madison, and P. L. Sibole, Newark, N. J., assignors to Klymax Feeder Company. Paper-transferring mechanism. 1,542,644; June 16.
Pollock, Gordon B., Hollywood, Calif. Make-up mirror. 1,542,318; June 16.
Pomeroy, S. H., Company. (See Fromhold, Alexander F., assignor.)
Pool, Andrew B. (See Pool, Byron R. and A. B.)
Pool, Byron R. and A. B., Norris City, Ill. Internal-combustion engine. 1,542,578; June 16.
Pool, Elmer C., New Castle, Pa., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,542,579; June 16.
Post, Edward C., assignor to Vapor Car Heating Company, Inc., Chicago, Ill. Thermostatic cell. 1,542,088; June 16.
Powell, William F. (See Daechsel, Frederick A., assignor.)
Power Specialty Company. (See Primrose, John, assignor.)
Pratt, Fred D., Green Bay, Wis. Refrigerator. 1,542,723; June 16.
Pratt & Whitney Company. (See Müller, Friederich, assignor.)
Price, George H., Corsicana, Tex. Device for replacing belts. 1,542,580; June 16.
Price, Osborne I., Frederick, Md. Radio apparatus. 1,542,724; June 16.
Prilipp, William R., Meservey, and J. T. Griggs, Goodell, Iowa. Tractor drawbar. 1,542,581; June 16.
Primrose, John, Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Oil heater. 1,542,089; June 16.
Primrose, John, Dongan Hills, assignor to Power Specialty Company, New York, N. Y. Oil heater. 1,542,090; June 16.
Prindle, Edwin J., East Orange, assignor to United Shoe Machinery Corporation, Paterson, N. J. Automatic shoe machine. 1,542,091; June 16.
Printing Machinery Company, The. (See Noell, Elmer F., assignor.)
Proctor & Schwartz, Incorporated. (See Ayres, Elwood B., assignor.)
Prouty, George W., Milton, Mass. Wrapping machine. 1,542,474; June 16.
Pupin, Michael I., Norfolk, Conn., assignor to Westinghouse Electric and Manufacturing Company, East Pittsburgh, Pa. Electrical wave transmission. 1,541,845; June 16.
Purdue University. (See Ross, D. E., and Hoffman, assignors.)
Purinton, Forrest G., assignor to The Patent Button Company, Waterbury, Conn. Feeding mechanism. 1,541,846; June 16.
Pyles, Robert M., Long Beach, Calif. Rotary jar. 1,542,319; June 16.
Pym, Charles F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Gripper. 1,541,847; June 16.
Q R S Music Company. (See Bloch, Isabelle M., assignor.)
R. & S. Non-Defecting Valve Company. (See Richardson, Edward E., assignor.)
Radio Foundation, Inc. (See Humm, George H., assignor.)
Raics, Paul A., Providence, R. I. Cam-forming machine. 1,542,582; June 16.
Rainbolt, Oral F., Lyons, Ind. Friction safety stop. 1,542,519; June 16.
Raleigh, James F., assignor to Pines Manufacturing Company, Chicago, Ill. Shutter apparatus for radiators. 1,542,407; June 16.
Ramsey, Clifford C., Cleveland, Ohio. Article holder. 1,542,271; June 16.
Randall-Faichney Corporation. (See Ladd, John W. B., assignor.)
Rasmussen, Martin, assignor to Hartmann Trunk Company, Racine, Wis. Trunk lock. 1,542,092; June 16.
Ravelo, Juan P., Habana, Cuba. Automobile bumper. 1,542,272; June 16.
Ravelo, Juan P., Habana, Cuba. Front fender for automobiles. 1,542,273; June 16.
Ravenor, Wilfred F., Vancouver, British Columbia, Canada. Fuel-oil combustion. 1,542,171; June 16.
Ray, Alfred C., Butte, Mont., assignor of one-eighth to O. Schubert, Basin, Mont. Coffin. 1,542,725; June 16.
Raymond Brothers Impact Pulverizer Co. (See Crites, Joe, assignor.)
Raymond Brothers Impact Pulverizer Company. (See Raymond, Fred L., assignor.)
Raymond, Fred L., Evanston, assignor to Raymond Brothers Impact Pulverizer Company, Chicago, Ill. Feed-regulating mechanism. 1,541,848; June 16.
Raymond, Samuel W., Adrian, Mich. Adjustable tractor hitch. 1,542,093; June 16.
Raymond, Samuel W., Adrian, Mich. Tractor cultivator. 1,542,094; June 16.
Re, Enrico, Vineland, N. J. Motor. 1,542,002; June 16.
Reach, George A. (See Myers, Harry A., assignor.)
Real Silk Hosiery Mills. (See Goodman, Lazare L., assignor.)
Reed Propeller Co., The. (See Reed, Sylvanus A., assignor.)
Readeker, William C., Chicago, Ill., assignor to Claremont Laboratories, Inc. Motion-picture machine. 1,542,408; June 16.
Readeker, William C., Chicago, Ill., assignor to Claremont Laboratories, Inc. Motion-picture machine. 1,542,409; June 16.
Readeker, William C., Chicago, Ill., assignor to Claremont Laboratories, Inc. Motion-picture machine. 1,542,410; June 16.
Reardon, Robert E., assignor to Victory Sparkler Specialty Company, Elkton, Md. Toy pistol. 1,542,520; June 16.
Reddig, Charles E., Kew Gardens, Richmond Hill, assignor to Western Electric Company, Incorporated, New York, N. Y. Prime-mover dynamo plant. 1,542,411; June 16.
Redfox Electric Co. (See Ball, Henry P., assignor.)

Reece Button Hole Machine Company, The. (See Connors, John W., assignors.)
Reed, Sylvanus A., assignor to The Reed Propeller Co. Inc., New York, N. Y. Aeronautical propeller. 1,542,412; June 16.
Reed, Warren B., and W. Hepler, Morgan City, La. Drilling apparatus. 1,542,172; June 16.
Refrigo Corporation. (See Schweinle, Charles, assignor.)
Regan, William J., Wilkinsburg, assignor to The McConway & Torley Company, Pittsburgh, Pa. Draft gear. 1,542,726; June 16.
Regan, William J., Wilkinsburg, and E. George, Jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,542,727; June 16.
Regan, William J., Wilkinsburg, and E. George, Jr., assignors to The McConway & Torley Company, Pittsburgh, Pa. Railway draft appliance. 1,542,728; June 16.
Reid, William, Philadelphia, Pa. Garment hanger. 1,542,320; June 16.
Reinhold, John J., Marietta, Pa. Insulating machine. 1,542,095; June 16.
Reinsch, Alfred, Berlin-Marienfelde, assignor to Daimler-Motoren-Gesellschaft, Stuttgart-Unterturkheim, Germany. Air-discharge device with internal-combustion engines. 1,542,003; June 16.
Relay Automatic Telephone Company, The. (See Betulander, Gotthilf A., assignor.)
Relyea, George W., Charleston, S. C. Marine paint. 1,542,790; June 16.
Renner, John, Madison, Nebr. Closet-tank valve. 1,542,321; June 16.
Renshaw, William B., assignor to The Westinghouse Air Brake Company, Wilmerding, Pa. Car-door-control device. 1,542,004; June 16.
Retallack, John B., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange testing system. 1,542,418; June 16.
Revere Rubber Company. (See Hopkinson, E., and Gibbons, assignors.)
Rex Manufacturing Company. (See Hull, Matthew R., assignor.)
Reynolds Brake Corporation. (See Reynolds, Joy S., assignor.)
Reynolds, Edward F., Santa Barbara, Calif. Gas engine. 1,542,522; June 16.
Reynolds, George E. (See Curtis, E. C., and Reynolds.)
Reynolds, H. M., Shingle Company. (See Reynolds, Harry M., assignor.)
Reynolds, Harry M., assignor to H. M. Reynolds Shingle Company, Grand Rapids, Mich. Heating and circulating liquid in a heating tank. 1,541,849; June 16.
Reynolds, Joy S., San Francisco, Calif., assignor to Reynolds Brake Corporation, Detroit, Mich. Brake system for vehicle trains. 1,542,173; June 16.
Reynolds, Theodore E., Cincinnati, Ohio. Pump. 1,542,521; June 16.
Rhine, Henry, & Company. (See Ostrom, John S., assignor.)
Rhoades, Alonzo E., assignor to Draper Corporation, Hopedale, Mass. Intermittently-operated temple thread cutter. 1,542,729; June 16.
Riblet, Royal N., assignor of one-half to W. J. Hobbs, Spokane, Wash. Thermoelectric indicator. 1,542,096; June 16.
Rich, Lester J., Washington, D. C. Apparatus for the electrical transmission of intelligence. 1,542,524; June 16.
Rich, Lester J., Washington, D. C. Reduction of interference from harmonics. 1,542,525; June 16.
Richard, Charles D., West New Brighton, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,542,414; June 16.
Richard, Joseph H., Minneapolis, Minn. Knockdown cabinet. 1,542,274; June 16.
Richards, John C. N., Lincoln, Nebr. Device for making stereoscopic photographs. 1,542,730; June 16.
Richardson, Edward E., assignor to The R. & S. Non-Deflecting Valve Company, Elyria, Ohio. Carburetor. 1,542,415; June 16.
Ricks, Fred, and R. B. Woodcock, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Lasting and sewing machine. 1,541,850; June 16.
Riddle, Edward N., Company. (See Crowell, Frank S., assignor.)
Ridlin, Alfred W. (See Gordon C., and Ridlin.)
Rick, Rudolph A., Rhinelander, Wis. Drip pan. 1,542,523; June 16.
Riesbeck, Ernest W. (See McAleer, J., and Riesbeck.)
Rigby, Albert V., Sharon, assignor to Thos. H. Armstrong, Farrell, Pa. Rolling mill. 1,542,349; June 16.
Riley, Ralph R., assignor to The Miller Rubber Company, Akron, Ohio. Hollow elastic playing ball. 1,542,005; June 16.
Ripley, Albert H., Bay City, Mich. Perforating attachment. 1,542,097; June 16.
Ripley, Charles T., Chicago, Ill. Composite packing material. 1,542,068; June 16.
Ristau, Wilhelm M., jr., Fredericksburg, Tex. Dual fuel-supply system. 1,541,851; June 16.
Rixon, Theodore F. (See Anderson, Charles S., assignor.)
Roberson, Lige F. (See Ostheimer, F. C., and Roberson.)
Roberts, John Y., Los Angeles, Calif. Gaseous-fuel burner. 1,542,582; June 16.
Roberts, J. W. (See Ashill, John L., assignor.)
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for working uppers over lasts. 1,541,852; June 16.
Robidoux, Louis, Norfolk Downs, Mass. Detachable half sole and heel. 1,542,174; June 16.
Robinson, Amos S., Columbus, Ohio. Automobile bed. 1,542,526; June 16.
Robinson, John T., Company. (See Gooding, George E., assignor.)
Robinson, William H., Morton Grove, Ill. Greenhouse-fumigating lamp. 1,542,175; June 16.
Rodrigues, Manuel H., Honolulu, Hawaii. Electric alarm clock. 1,542,275; June 16.
Rogers, Allen. (See Jackson, D. D., Rogers, and Hou.)
Rogers, Fred B., et al., trustees. (See Sharpe, William A., assignor.)
Rogers, Harry E., et al., trustees. (See Sharpe, William A., assignor.)
Rogers, Theron M., Fellows, Calif. Fishing tool. 1,542,009; June 16.
Rollman, Michael A., Mount Joy, Pa. Combination fruit press, potato masher, and strainer. 1,542,322; June 16.
Rollman, Michael A., Mount Joy, Pa. Ice-cream freezer. 1,542,323; June 16.
Roneo Limited. (See Phipps, Samuel G. W., assignor.)
Rose, Cyrus C., Walthill, Nebr. Harness. 1,542,176; June 16.
Rose, Millard F., Hutchinson, Kans. Cutting machine. 1,542,527; June 16.
Rose, Robert, Birmingham, England. Tennis racket and the like. 1,542,177; June 16.
Rose, William H., Toronto, Ontario, Canada. System of steam distribution and condensation control. 1,542,100; June 16.
Ross, William H., Jersey City, N. J. Liquid-dispensing device. 1,542,584; June 16.
Rosenberger, Andrew F., Chicago, Ill., assignor, by mesne assignments, to Acme Card System Company. Listing device. 1,542,585; June 16.
Ross, David E., and J. D. Hoffman, assignors to Purdue University, La Fayette, Ind. Ventilating system. 1,542,178; June 16.
Rothrock, Robert H. (See Maxwell, J. S., and Rothrock.)
Rottmann, Clarence J., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Absorption bulb. 1,541,853; June 16.
Ruberoid Co., The. (See Ruess, Royce A., assignor.)
Rubin, David N., Winthrop, and B. Shapiro, Boston, Mass. Automatic portable mailing machine. 1,542,586; June 16.
Rudkin, William P., Oklahoma City, Okla. Liquid-fuel burner. 1,542,528; June 16.
Ruess, Royce A., Washington, D. C., assignor to The Ruberoid Co. Shingle and making. 1,542,475; June 16.
Ruiz, Joseph J. (See Guy, M., and Ruiz.)
Runbäck, Hilma S., executrix. (See Runback, Karl G.)
Runbäck, Karl G., deceased; H. S. Runbäck, executrix, assignor to Midwest Air Filters, Inc., New York, N. Y. Air filter. 1,542,529; June 16.
Runyan, Paul W., assignor to The National Brooder Company, Springfield, Ohio. Brooder stove. Des. 67,615; June 16.
Runyan, Paul W., assignor to The National Brooder Company, Springfield, Ohio. Brooder stove. Des. 67,616; June 16.
St. Paul Foundry Company. (See Allenson, John, assignor.)
Salins, Georges A., assignor to Pathe Cinema, Anciens Etablissements Pathe Freres, Vincennes, Seine, France. Machine for treating cinematograph films. 1,542,530; June 16.
Salom, Pedro G., jr., Philadelphia, Pa. Toy automobile. Des. 67,617; June 16.
Salvucci, Daniel R., Philadelphia, Pa. Box with opening device. 1,541,854; June 16.
Samour, Anoush M., Boston, Mass. Wind wheel and method of making. 1,542,324; June 16.
Samuels, Lesser, New York, N. Y. Cuff button. 1,542,325; June 16.
Sands, Ernest, Charleston, S. C. Trap. 1,541,855; June 16.
Sands, Ernest, Charleston, S. C. Trap. 1,541,856; June 16.
Sanford, Hugh W., Knoxville, Tenn. Spring. 1,542,179; June 16.
Sargent, Charles E., Clinton, Iowa. Internal-combustion engine. 1,542,476; June 16.
Saucke, Herman, New York, N. Y. Pipe fitting. 1,542,645; June 16.
Sauer, Johan N. A., assignor to Naamlooze Vennootschap Norit Witzuiker Maatschappij (also called Norit Whits Sugar Company), Amsterdam, Netherlands. Decolorising carbon particularly for medicinal use. 1,542,006; June 16.
Savage, Arthur J., San Diego, Calif. Firearm. 1,542,477; June 16.
Sawyer, George, Atlantic, Mass. Oil burner. 1,542,326; June 16.
Sayer, Dade D., trustee, et al. (See Coltman, R. B., and Humphrey, assignors.)

Sayles Finishing Plants, Inc. (See Flick, Lorenz, assignor.)
Scanlan, Daniel J., St. Louis, and J. J. Keane, assignors of one-fifth to K. A. Cleary, St. Louis County, Mo. Draft regulator. 1,542,416; June 16.
Schanberger, Marguerite G., et al. (See Gallagher, George D., assignor.)
Schechner, Kornelius, Vienna-Atzgersdorf, Austria, and R. Jokesch, Prague-Karolinenthal, Czechoslovakia. Mass-control apparatus. 1,542,478; June 16.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automomatic Oil Burner, Incorporated, New York, N. Y. Liquid-fuel-feeding device for rotary oil burners. 1,542,531; June 16.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Liquid-fuel-feeding device. 1,542,532; June 16.
Scherl, Edmund, New York, N. Y. Automatic valve-controlling device. 1,542,417; June 16.
Schleicher, Paul E., Chicago, Ill. Top inclosure for radiators. 1,542,101; June 16.
Schlemp, Paul A., New York, N. Y. Necktie frame. 1,542,533; June 16.
Schlueter, Fredrick. (See Kelch, J. W., Sunday, and Schlueter.)
Schmehl, Louis J. (See Jacobs, S. R., and Schmehl.)
Schmidling, Joseph L., assignor of one-half to B. Sprague, Milwaukee, Wis. Following work rest. 1,542,418; June 16.
Schmidt, Henrik J., assignor to Florida Dehydrating and Preserving Co., Jacksonville, Fla. Dehydrator. 1,542,587; June 16.
Schneider & Cie. (See Schneider, Eugene, assignor.)
Schneider, Eugene, assignor to Schneider & Cie., Paris, France. Apparatus for ascertaining the altitude of aerial targets. 1,542,534; June 16.
Schneider, Joseph A., Buffalo, N. Y., assignor to Alfred Vester Sons, Inc., Providence, R. I. Canopy for lighting fixtures. Des. 67,618; June 16.
Schnell, William, assignor to Tennstedt Manufacturing Company, Detroit, Mich. Radiator cap. Des. 67,619; June 16.
Schortmann, Walter P., Springfield, Mass. Gyrating toy. 1,542,731; June 16.
Schott, Erich, assignor to the Firm Jenaer Glaswerk Schott & Gen., Jena, Germany. Making suspension insulators of glass. 1,542,588; June 16.
Schrans, Charles A., assignor to W. Wood, trading as R. D. Wood & Company, Philadelphia, Pa. Coal feeder for gas producers. 1,542,732; June 16.
Schroeder, Frank J., Altoona, Pa. Cutting tool. 1,542,007; June 16.
Schubert, Otto. (See Ray, Alfred C., assignor.)
Schuermann, Anton C. (See Mueller P., and Schuermann.)
Schulze, Albert A., Zorn, Tex. Lister. 1,542,733; June 16.
Schuster, Otto P., North Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Control apparatus. 1,541,857; June 16.
Schweinle, Charles, assignor to Refrigo Corporation, Milwaukee, Wis. Automatic control for refrigerating machines. 1,542,479; June 16.
Scoll, Jacob, Evanston, Ill. Doll. Des. 67,620; June 16.
Scott, John F., Cohoes, N. Y., assignor, by mesne assignments, to A. S. Hatch, Albany, N. Y. Combination garment. 1,541,858; June 16.
Scruggs, Reuser Y., Habira, Ga. Pipe thimble. 1,542,480; June 16.
Sederholm, John E., assignor to America Hoist & Derrick Company, St. Paul, Minn. Electric rivet heater. 1,542,096; June 16.
Seely, Thomas H., Malden, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Insole-reenforcing machine. 1,541,859; June 16.
Seibels, William T. (See Halvorsen, O., and Seibels.)
Seidman, Charles, Philadelphia, Pa. Necktie fabric. 1,542,589; June 16.
Seiden, Clarence C., and R. D. Pearson, Los Angeles, Calif. Art of and apparatus for the treatment of plant fiber or the like. 1,542,180; June 16.
Sette, Frances, et al. (See Sette, Friederich, assignor.)
Sette, Friederich, Iron Ridge, assignor of one-fourth to F. Sette and one-fourth to M. Sette, Milwaukee, Wis. Valve. 1,542,102; June 16.
Sette, Madia, et al. (See Sette, Friederich, assignor.)
Sevilla Blanco, Aurelio. (See Blanco, Aurelio S.)
Shaib, George, Brooklyn, N. Y. Knitted blouse. Des. 67,621; June 16.
Shamhow Shuttle Company. (See Greene, Ralph L., assignor.)
Shapiro, Benjamin. (See Rubin, D. N., and Shapiro.)
Sharpe, William A., Denver, Colo., assignor to H. R. Rogers, F. R. Rogers, L. T. Martin, A. L. Miller, L. Galbreath, L. Johnson, and W. A. Sharpe, trustees of Consolidated Producers Trust, Lusk, Wyo. Carbon-black and power generator. 1,541,860; June 16.
Sharpe, Wm. A., et al., trustees. (See Sharpe, William A., assignor.)
Shaw, Stillman. (See Lorenz, W. A., and Shaw.)
Shaw-Walker Co., The. (See Hunter, David E., assignor.)
Shaw, William F., Denver, Colo. Dispensing stopper. 1,541,861; June 16.
Shawmut Engineering Company. (See Hathaway, Edgar F., assignor.)
Shell Company of California. (See Cortes, Carlos E., assignor.)
Sherfy, Harold W., Columbia, La. Sheet gripper. 1,542,734; June 16.
Sherman, Eaton G., Hollywood, Calif. Shoe rack. 1,542,181; June 16.
Shipley, Thomas, York, Pa. Air-feeding system for ice cans. 1,542,735; June 16.
Shipman, Cleo, Hamlin, Tex. Weed-cutting attachment for plows. 1,542,009; June 16.
Shoemaker, Alvin H., Seattle, Wash. Skate wheel. 1,542,103; June 16.
Shutt, William F., Dolores, Tex. Underreamer. 1,542,736; June 16.
Sibole, Percy L., Newark, N. J., assignor to Klymax Feeder Company. Printing press. 1,542,646; June 16.
Sibole, Percy L. (See Plum, S. H., 2d, and Sibole.)
Signode System, Inc. (See Leslie, John W., assignor.)
Sikma, William H., Oakglen, Ill. Handling device. 1,542,010; June 16.
Silex Company. (See Dunn, William W., assignor.)
Silvester, Robert H., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Lasting machine. 1,541,862; June 16.
Simpson, Harlow M., assignor to Simpson Specialty Company, Fort Morgan, Colo. Bag rack. 1,541,863; June 16.
Simpson, Hiram R., San Francisco, Calif. Portable surgical light. 1,542,011; June 16.
Simpson Specialty Company. (See Simpson, Harlow M., assignor.)
Skates, John W., Carlin, S. Dak. Rerailing device. 1,542,737; June 16.
Skywing Aircraft Corporation. (See Harper, William, jr., assignor.)
Slingsby, Harry C., London, England. Hand truck. 1,542,327; June 16.
Small, Clarence, Binghamton, N. Y. Hot-water bottle. 1,542,276; June 16.
Small, Ralph D., Chicago, Ill. Shoe-tree. 1,542,419; June 16.
Smith Cannery Machines Co. (See Waugh, Edward H., assignor.)
Smith, Elmer L., assignor to Package Machinery Company, Springfield, Mass. Strip feeding, cutting, and delivering mechanism. 1,542,104; June 16.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,541,864; June 16.
Smith, John M., Raleigh, N. C. Advertising device. 1,542,788; June 16.
Smith, John W., assignor to The Fafnir Bearing Company, New Britain, Conn. Lapping machine. 1,541,865; June 16.
Smith, Percy C., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. measured-service automatic telephone system. 1,542,105; June 16.
Smith, William H., assignor to Triangular Construction Company Limited, East Molesey, England. Press for molding plastic substances. 1,542,739; June 16.
Snedeker, Aaron V. (See Turner, W. R., and Snedeker.)
Société Anonyme "Brevets Fourcault." (See Delacuvellerie, Ernest, assignor.)
Societe Anonyme de Commentry, Fourchambault & Decazeville. (See Chevenard, Pierre, assignor.)
Societe Anonyme de Commentry Fourchambault & Decazeville. (See Girin, Pierre, assignor.)
Societe Française pour l'Exploitation des Procedes Casaval-Ferrari. (See Ferrari, Laurent, assignor.)
Sonora Phonograph Company. (See Wolff, Joseph, assignor.)
Sorensen, Martin, Chicago, Ill. Automatic oil-feeding apparatus. 1,541,866; June 16.
Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Portable dispensing device. 1,542,780; June 16.
Sparks, Charles F., St. Louis, Mo. Calcining method and apparatus. 1,542,647; June 16.
Sparks, John H., Westville, N. J. Vehicle wheel. 1,541,867; June 16.
Spasiante, Saverio A., New York, N. Y. Tie holder. 1,542,182; June 16.
Spear, Walter A., assignor to The Joyce-Cridland Company, Dayton, Ohio. Self-lowering lifting jack. 1,541,868; June 16.
Spencer, Forrest H., Spirit Lake, Idaho. Padlock. 1,542,106; June 16.
Spencer, Ira H., West Hartford, Conn. Gas engine. 1,542,277; June 16.
Spillman, Edward T., assignor to The V-W Ventilator Company, Columbus, Ohio. Ventilator. 1,542,740; June 16.
Spillman, Oliver P., Houston, Tex. Jumping toy. 1,542,012; June 16.
Spiro, Walter J., White Plains, N. Y. Edge molding. 1,542,481; June 16.
Sprague, Edward. (See Schmidling, Joseph L., assignor.)
Sprenger, Richard, Berlin-Henningsdorf, Germany. Production of ceramic ware. 1,541,869; June 16.
Sprinkle, Lake H., Brooklyn, N. Y. Artificial tooth. 1,542,535; June 16.

Sprong, Severn D., Brooklyn, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Apparatus for adding to the output of a main power station the output of one or more distant sources. Re16,099; June 16.

Standard Mirror Co. (See La Hodny, William, assignor.)

Standard Solophone Mfg. Co. (See Luber, Solomon, assignor.)

Standard Underground Cable Company. (See Fisher, H. W., and Atkinson, assignors.)

Standish, John F., Winthrop, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Attaching heels. 1,541,870; June 16.

Stanley-Everett Corporation. (See Jacobs, S. E., and Schmehl, assignors.)

Tanner, Inos B., assignor to Joseph H. Nelson & Sons, Chicago, Ill. Liquid-treating apparatus. 1,542,186; June 16.

Staszak, John, and F. Sztukowski, Cudahy, Wis. Bottle-cap printing and making machine. 1,542,482; June 16.

Stebelton, Boyd, Baltimore, Ohio. Demountable rim. 1,542,741; June 16.

Steinberg, Edgar, Berlin-Wilmersdorf, assignor to Ultra-Heilstrahlen-Apparate Aktien-Gesellschaft, Berlin, Germany. Light-conducting rod for therapeutical purposes. 1,542,183; June 16.

Stenhouse, Thomas, Washington, Pa., assignor to Hazel-Atlas Glass Co., Wheeling, W. Va. Plunger-operating mechanism for glass furnaces. 1,542,013; June 16.

Stephenson, Leigh J., et al., trustees. (See Stephenson, Leigh J., assignor.)

Stephenson, Leigh J., Oakmont, Pa., assignor to B. V. Becker, L. J. Stephenson, G. B. Burrage, W. T. Fenton, and L. A. Williams, trustees, Chicago, Ill. Motor-control system. 1,542,483; June 16.

Stevens, A. Leo, Belleville, Ill. Aircraft-housing device. 1,542,484; June 16.

Stevenson, Faye A., Lancaster, Ohio. Perpetual calendar. 1,542,742; June 16.

Stevenson, Faye A., Lancaster, Ohio. Reference calendar. 1,542,743; June 16.

Stevenson, Walter N., Evanston, assignor of one-half to E. V. Swangren, Maywood, Ill. Supply reel for feeding coiled wire and like flexible strip material. 1,542,485; June 16.

Stewart, Gayle D., assignor to The American Bottle Company, Toledo, Ohio. Bottle. Des. 67,622; June 16.

Stickel, Charles W., Rochester, N. Y. Method and device for crimping eyelashes. 1,542,614; June 16.

Stillman, Frederick O., Melrose, Mass. Logarithmic calculating device. 1,541,871; June 16.

Stoddard, Robert, assignor to Milk Bottle Crate Company, Chicago, Ill. Box or crate. 1,541,872; June 16.

Stoll, Frank M., Denver, Colo., assignor to The Stoll Manufacturing Co. Tent. 1,542,184; June 16.

Stoll Manufacturing Co., The. (See Stoll, Frank M., assignor.)

Stone, Abraham, Brooklyn, N. Y. Garment bag. 1,542,490; June 16.

Strickland, Clarence E., Atlantic City, N. J. Valve. 1,542,015; June 16.

Stronach, David L., Columbia, S. C. Pipe. Des. 67,623; June 16.

Strongson, Herman L., Brooklyn, N. Y., assignor, by mesne assignments, to The Thomas & Betts Co., Elizabeth, N. J. Cable box. 1,542,421; June 16.

Stubbs, Herman O., assignor to The Firestone Tire and Rubber Company, Akron, Ohio. Rubber-punching machine. 1,542,422; June 16.

Stull, Jacob H., Fremont, Ohio. Permutation lock. 1,542,016; June 16.

Sturges, Clarence B. (See Weiss, Carl W., assignor.)

Sunday, James J. (See Kelch, J. W., Sunday, and Schlueter.)

Sutherland, John G., Oakwood, Ohio. Combination tire carrier and bumper. 1,542,107; June 16.

Swangren, Edwin V. (See Stevenson, Walter N., assignor.)

Swarocski, Antoni, Detroit, Mich. Turbine. 1,542,536; June 16.

Sweet, Alvin H., assignor to Title Guarantee and Trust Company, trustee, Los Angeles, Calif. Brake band. 1,542,185; June 16.

Sweitzer, August, Fort Wayne, Ind. Automobile steering gear. 1,542,744; June 16.

Sztukowski, Frank. (See Stasszak, J., and Sztukowski.)

Talley, Randal E., Irwin, Pa., assignor to George J. Hagan Company. Electric furnace. 1,542,278; June 16.

Tanner, Inos B., assignor to Joseph E. Nelson & Sons, Chicago, Ill. Tank. 1,542,188; June 16.

Tanner, Inos B., assignor to Joseph E. Nelson & Sons, Chicago, Ill. Liquid-treating apparatus. 1,542,187; June 16.

Taylor, Charles W., Salt Lake City, Utah. Sound amplifier. Des. 67,624; June 16.

Taylor, George A., Boston, Mass. Preventing leakage past the pistons of internal-combustion engines. 1,542,423; June 16.

Taylor, George E., Auburn, Mass. Bottle cleaner. 1,542,108; June 16.

Taylor, Henry A., assignor of one-half to W. E. Allen, Morris, Ill. Weather strip for windows. 1,541,873; June 16.

Taylor Instrument Companies, The. (See Hessch, Henry W., assignor.)

Taylor, William H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Platform scale. 1,542,109; June 16.

Ter Meer, Gustav, Hanover-Linden, Germany. Overflow manifold for centrifugal separators. 1,542,401; June 16.

Ter Meer, Gustav, Hanover, Germany. Mechanism for controlling the operation of machines and apparatus. 1,542,400; June 16.

Tedesco, Antonio. (See Beninceasa, Pietro, assignor.)

Teitelbaum, Boris H. (See Koretsky, H. M., and Teitelbaum.)

Tembey, Samuel, Nanaimo, British Columbia, Canada. Trip device for preventing breakage of transmission ropes. 1,542,110; June 16.

Ternstedt Manufacturing Company. (See Heintz, Ernest E., assignor.)

Ternstedt Manufacturing Company. (See Schnell, William, assignor.)

Ternstedt Manufacturing Company. (See Heintz, E. E., and Archer, assignors.)

Terry, Harry L., Chicago, Ill., assignor to Forban Company, New York, N. Y. Bottle. Des. 67,625; June 16.

Terry, William F., Washington, D. C. Automobile signal. 1,542,017; June 16.

Textilwerk Horn A.-G. (See Zimmermann, Robert, assignor.)

Thomas & Betts Co., The. (See Strongson, Herman L., assignor.)

Thomas, Edwin E., assignor of one-half to W. C. Alvord, Portland, Oreg. Lawn sprinkler. 1,542,648; June 16.

Thomas, James P., et al. (See Gramm, John A., assignor.)

Thompson, Albert W. (See Comfort, E. W., and Thompson.)

Thompson, John W., jr., Drakesville, Iowa. Burglar alarm. 1,542,745; June 16.

Thompson, Ralph A., Garland, Pa. Shoe or ankle ornament. 1,542,189; June 16.

Thomson, Charles C., and J. Craig, Butler, Pa. Nut and bolt assembling machine. 1,541,874; June 16.

Thornley, Joseph H., New York, N. Y. Forming cast-in-place pile. 1,542,590; June 16.

Tibbetts, Milton, assignor to Packard Motor Car Company, Detroit, Mich. Internal-combustion engine. 1,542,111; June 16.

Tilley, Charles, et al. (See Johnson, Allan R. P., assignor.)

Tilley, Herbert V., et al. (See Johnson, Allan R. P., assignor.)

Tillyer, Edgar D., assignor to American Optical Company, Southbridge, Mass. Lens-testing instrument. 1,542,112; June 16.

Timmons, John S., Philadelphia, Pa. Telephone instrument. 1,542,746; June 16.

Tin Decorating Company, The. (See Hermani, Henry, assignor.)

Title Guarantee and Trust Company, trustee. (See Sweet, Alvin H., assignor.)

Toledo Scale Company. (See Hem, Halvor O., assignor.)

Toledo Scale Company. (See Pool, Elmer C., assignor.)

Toledo Scale Company. (See Hurt, Samuel N., assignor.)

Townsend, Arthur J., Canton, Ohio. Sheet-metal-slitting machine. 1,542,424; June 16.

Travis, John M., St. Louis, Mo. Beverage-dispensing fixture. Des. 67,626; June 16.

Traylor, Bruce W., Philadelphia, Pa. Spring shackle. 1,542,190; June 16.

Triangular Construction Company Limited. (See Smith, William H., assignor.)

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,627; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,628; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,629; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,630; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,631; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,632; June 16.

Trippi, Anthony, Buffalo, N. Y. Mirror. Des. 67,633; June 16.

Trumbull Electric Manufacturing Company, The. (See Leppert, Henry E., assignor.)

Tunstall, William B., Worcester, Mass. Washing apparatus. 1,542,018; June 16.

Turner, William E., Newark, and A. V. Suedeker, East Orange, N. J. Window cleaner. 1,542,279; June 16.

Turtletaub, Herman, Perth Amboy, N. J. Glass bottle. Des. 67,634; June 16.

Ultra-Heilstrahlen-Apparate Aktien-Gesellschaft. (See Steinberg, Edgar, assignor.)

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)

Union Trust Company, The. (See Cone, Mark E., assignor.)

United Alloy Steel Corporation. (See Hay, John T., assignor.)

United Engineering & Foundry Company. (See Biggert, Florence C., jr., assignor.)

United Shoe Machinery Corporation. (See Bates, Arthur, assignor.)

United Shoe Machinery Corporation. (See Bertrand, Frederic E., assignor.)

United Shoe Machinery Corporation. (See Furber, Frederick M., assignor.)

United Shoe Machinery Corporation. (See Holmgren, Eric A., assignor.)

United Shoe Machinery Corporation. (See Jorgensen, Bernhardt, assignor.)

United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)

United Shoe Machinery Corporation. (See Prindle, Edwin J., assignor.)

United Shoe Machinery Corporation. (See Pym, Charles F., assignor.)

United Shoe Machinery Corporation. (See Ricks, F., and Woodcock, assignors.)

United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)

United Shoe Machinery Corporation. (See Seely, Thomas H., assignor.)

United Shoe Machinery Corporation. (See Silvester, Robert H., assignor.)

United Shoe Machinery Corporation. (See Standish, John F., assignor.)

United Shoe Machinery Corporation. (See Varney, Everett W., assignor.)

United Shoe Machinery Corporation. (See Winkley, Erastus E., assignor.)

U. S. Industrial Alcohol Co. (See Willkie, Herman F., assignor.)

Urbish, A. J., et al. (See Gramm, John A., assignor.)

V-W Ventilator Company, The. (See Spillman, Edward T., assignor.)

Vandervoort, Levi A. (See Colegrove, W. J., and Vandervoort.)

Vandivier, Arlando M., Indianapolis, Ind. Separator strip for concrete floor construction. 1,542,591; June 16.

Van Horn, Vernon A., Big Rapids, Mich. Tamping grouser for tractors. 1,542,537; June 16.

Van Hüllen, Josef, Crefeld, Germany. Mold box for block presses. 1,542,191; June 16.

Van Inwagen, Charles L., Rutherford, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Wrench. 1,542,425; June 16.

Van Sluys, Adolph C., assignor to Nashua Gummed and Coated Paper Company, Nashua, N. H. Packaging machine. 1,542,781; June 16.

Van Sluys, Adolph C., and W. L. Perry, assignors to Nashua Gummed and Coated Paper Company, Nashua, N. H. Packaging machine. 1,542,782; June 16.

Vapor Car Heating Company. (See Post, Edward C., assignor.)

Varney, Everett W., Newton, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for and method of lasting shoes. 1,541,875; June 16.

Vautrot, Joseph A., Mobile, Ala. Check-book holder. 1,542,192; June 16.

Veil-Picard, Charles E., Paris, France. Manufacturing elastic tires with recesses filled with air under pressure. 1,542,791; June 16.

Velting, Anton, Maspeth, N. Y. Method and apparatus for making lamp filaments. 1,542,592; June 16.

Verney, Vincenzo, Rome, Italy. Centrifugal machine. 1,542,747; June 16.

Vester, Alfred, Sons, Inc. (See Gerth, Ruth L., assignor.)

Vester, Alfred, Sons, Inc. (See Schneider, Joseph A., assignor.)

Vickers, Limited. (See Ellis, Giovanni E., assignor.)

Vickers Limited. (See Lucas, Owen D., assignor.)

Victorsohn, Morris, Brooklyn, N. Y. Motor resetter. 1,541,876; June 16.

Victory Sparkler Specialty Company. (See Reardon, Robert E., assignor.)

Vogel, Carl H., Buffalo, N. Y. Disappearing step. 1,542,113; June 16.

Von Kando, Kalman, Budapest, Hungary. Alternating-current power-transmission plant. 1,542,426; June 16.

Voorhees, Lee J., Binghamton, N. Y., assignor to National Carbon Company, Inc. Electrical switch. 1,541,877; June 16.

Wachenhusen, Frederick H. (See Wachenhusen, Paul F. and F. H.)

Wachenhusen, Paul F., Brighton, and F. H. Wachenhusen, Malden, Mass. Pay envelope. 1,542,280; June 16.

Wakefield, Walter H., assignor to Crompton & Knowles Loom Works, Worcester, Mass. Let-back for loom take-ups. 1,542,328; June 16.

Wald, Frank A., Camp Hill, Pa. Heating furnace. 1,542,193; June 16.

Wald Manufacturing Company. (See Pawsat, Ewald F., assignor.)

Walden-Worcester, Incorporated. (See Carlberg, August E., assignor.)

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,542,194; June 16.

Walker Manufacturing Company. (See Ellwood, Charles D., assignor.)

Walten, Ruth B., et al. (See Gallagher, George B., assignor.)

Walter, Isaac S., Delaware, Ohio. Hammer. 1,542,748; June 16.

Walton, Allyn B., Lorain, Ohio. Lighting fixture. Des. 67,635; June 16.

Wardell, Henry R., New York, N. Y., assignor to Johns-Manville, Incorporated. Non-heat-conducting covering. 1,542,427; June 16.

Warner, Irving, Bellefonte, Pa. Lime-burning process. 1,542,195; June 16.

Warr, Harold G., Park Ridge, Ill., assignor to The P & M Company, Chicago, Ill. Rail anchor. 1,542,114; June 16.

Washburn Crosby Company. (See Nelson, Christian V., assignor.)

Watrous, William B., assignor to C. J. Bates & Son, Chester, Conn. Machine for turning blanks for crochet hooks and other articles. 1,542,428; June 16.

Watson, Edward F., assignor to American Telephone and Telegraph Company, Yonkers, N. Y. Single polar telegraph circuits. 1,541,878; June 16.

Watson, Edward F., assignor to American Telephone and Telegraph Company, Yonkers, N. Y. Single polar telegraph circuits. 1,541,879; June 16.

Watson, Edward F., assignor to American Telephone and Telegraph Company, Yonkers, N. Y. Single polar telegraph circuits. 1,541,880; June 16.

Watson, Edward F., assignor to American Telephone and Telegraph Company, Yonkers, N. Y. Single polar telegraph circuits. 1,541,881; June 16.

Waun, Edward H., assignor to Smith Cannery Machines Co., Seattle, Wash. Fish-dressing machine. 1,542,196; June 16.

Webb Engineering Company. (See Baker, William E., assignor.)

Weber, August, Jersey City Heights, N. J. Toy aeroplane. 1,542,197; June 16.

Weber, Charles, Chicago, Ill. Signal. 1,542,749; June 16.

Weber, John, assignor to The American National Company, Toledo, Ohio. Juvenile wagon body. 1,542,429; June 16.

Weis, Adolph O., Cleveland, Ohio. Food-storing dishes. 1,542,115; June 16.

Weiss, Carl W., Brooklyn, N. Y., assignor of one-half to C. B. Sturges, Fairfield, Conn. Transmission device. 1,541,882; June 16.

Welcker, Rudolph, Springfield, Mass. Tank car. 1,542,116; June 16.

Welds Ware Products Company. (See Wiltsie, Spencer A., assignor.)

Wellman, Arthur B., et al. (See Wyman, Carl J., assignor.)

Wellman, Seth A., Mason City, Iowa. Gate latch. 1,542,198; June 16.

Wemp, Ernest E., Detroit, Mich. Clutch disk. 1,541,883; June 16.

Wendling, George X., San Francisco, Calif. Square end nail or staple. 1,542,281; June 16.

Wertz, Louis C., Center, Colo. Potato-digging machine. 1,542,750; June 16.

West, Frank, East San Diego, Calif. Air-brake-control apparatus. 1,542,117; June 16.

Westbury, William, Caney, Kans. Window-glass apparatus. 1,542,118; June 16.

Western Electric Company. (See Branigan, Joseph, assignor.)

Western Electric Company. (See Brough, William R., assignor.)

Western Electric Company. (See Casper, William L., assignor.)

Western Electric Company. (See Dobbin, Henry F., assignor.)

Western Electric Company. (See Gabriel, J. C., and Landeen, assignors.)

Western Electric Company. (See Hague, Alfred E., assignor.)

Western Electric Company. (See Harris, James E., assignor.)

Western Electric Company. (See Hartley, Ralph V. L., assignor.)

Western Electric Company. (See Housekeeper, William G., assignor.)

Western Electric Company. (See Housekeeper, W. G., and Brough, assignors.)

Western Electric Company. (See Lum, George E., assignor.)

Western Electric Company. (See Mathes, Robert C., assignor.)

Western Electric Company. (See McGall, Philip K., assignor.)

Western Electric Company. (See Reddig, Charles H., assignor.)

Western Electric Company. (See Retallack, John B., assignor.)

Western Electric Company. (See Richard, Charles, D., assignor.)

Western Electric Company. (See Smith, Percy C., assignor.)

Western Electric Company. (See Van Inwagen, Charles L., assignor.)
Western Electric Company. (See Williams, Samuel B., jr., assignor.)
Western Union Telegraph Company, The. (See Peterman, William C., assignor.)
Western Wheeled Scraper Company. (See Benbow, James D., assignor.)
Westinghouse Air Brake Company, The. (See Bartholomew, John R., assignor.)
Westinghouse Air Brake Company, The. (See Farmer, Clyde C., assignor.)
Westinghouse Air Brake Company, The. (See Renshaw, William B., assignor.)
Westinghouse Electric & Manufacturing Company. (See Armstrong, Edwin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Ehrenfeld, Ralph, assignor.)
Westinghouse Electric and Manufacturing Company. (See Herr, Herbert T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Hodgkins, C. H., and Goodwin, assignors.)
Westinghouse Electric and Manufacturing Company. (See Hodgkinson, Francis, assignor.)
Westinghouse Electric & Manufacturing Company. (See Meissner, Herman A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Pupin, Michael I., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rottmann, Clarence J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Schuster, Otto P., assignor.)
Westinghouse Electric & Manufacturing Company. (See Sprong, Severn D., assignor.)
West Point Manufacturing Co. (See Howarth, John H., assignor.)
Wever, Albert B., Chipley, Fla. Poison duster. 1,542,480; June 16.
Wheatley, George H., Chicago, Ill. Method of and apparatus for compressing amorphous carbon. 1,542,119; June 16.
Whitaker, Joseph P., Apponaug, and J. Fielding, Providence, R. I. Instrument for measuring optical frames. 1,542,019; June 16.
White, Chrles W., assignor to The Boss Manufacturing Company, Kewanee, Ill. Glove. 1,542,199; June 16.
White, Frank M., Chicago, Ill. Signal device for motor vehicles. 1,542,431; June 16.
White Eagle Oil and Refining Company. (See Ames, Glenn E., assignor.)
White, Lewis. (See Calhoun, G. B., White, and Hayes.)
White, William E., Clifton, Forge, Va. Mechanical movement. 1,542,486; June 16.
Whittemore, Carl R., assignor to J. Irwin, and E. H. Monk, Montreal, Quebec, Canada. Treating titaniferous iron ores and the products thereof. 1,542,350; June 16.
Wragg, Matthew W., Akron, Ohio. Sash lock. 1,542,754; June 16.
Widre, Harry, Detroit, Mich. Advertising apparatus. 1,542,120; June 16.
Wilkerson, Daniel N., Washington, D. C. Clothesline. 1,542,200; June 16.
Willard Storage Battery Company. (See Pettibone, Ward B., assignor.)
Willenbrock, August, Richmond Hill, N. Y., assignor of one-half to F. C. Hayes, Battle Creek, Mich. Valve mechanism for internal-combustion engines. 1,542,792; June 16.
Williams, Arthur, et al. (See Calhoun, G. B., White, and Hayes, assignors.)
Williams, Elmer R., Springfield, Mo. Water heater. 1,542,282; June 16.
Williams, George J., and E. K. Nelson, jr., Tampa, Fla. Cigar lighter. 1,542,782; June 16.
Williams, Louis N. D., Ogonts, Pa. Device for transferring knitted webs. 1,542,593; June 16.
Williams, Lynn A., et al., trustees. (See Stephenson, Leigh J., assignor.)
Williams, Margaret M., Campbell, Calif. Hat. Des. 67,636; June 16.
Williams, Samuel B., jr., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Carrier-wave communicating system. 1,542,121; June 16.
Willis, Bernard D., Oak Park, assignor to Automatic Electric Company, Chicago, Ill. Multioffice telephone system. 1,542,649; June 16.
Willkie, Herman F., Baltimore, Md., assignor to U. S. Industrial Alcohol Co., Inc., Purifying acetone. 1,542,538; June 16.
Wilson, John T., Los Angeles, Calif. Theft signal. 1,542,201; June 16.
Wilson, Mary F. F., New Rochelle, N. Y. Artificial flower. 1,542,432; June 16.
Wilson, Walter A., Armley, Leeds, England. Mold. 1,542,751; June 16.
Wiltsie, Spencer A., assignor to Welda Ware Products Company, Erie, Pa. Welding aluminum. 1,542,753; June 16.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Machine for use in the manufacture of shoes. 1,541,884; June 16.
Winslow Safety High Pressure Boiler Company. (See Ellis, Lewis M., assignor.)
Wirebounds Patents Company. (See Dunne, Edward F., jr., assignor.)
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Cabinet for sound-producing devices. Des. 67,637; June 16.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radio loud-speaker cabinet. Des. 67,638; June 16.
Wolff, Joseph, Brooklyn, N. Y., assignor to Sonora Phonograph Company, Inc. Radio loud-speaker cabinet. Des. 67,639; June 16.
Wolff, Wallace B., Chicago, Ill. Slicing machine. 1,541,885; June 16.
Wolter, Ferdinand R., Minneapolis, Minn. Mop pail and wringer. 1,541,886; June 16.
Wood, Walter. (See Schrans, Charles A., assignor.)
Woodcock, Reginald B. (See Ricks, F., and Woodcock.)
Worthington, Edward B., assignor to The M. A. Hanna Company, Cleveland, Ohio. Burning pulverulent fuels. 1,542,122; June 16.
Wright, Wilbur L., assignor to Oswego Falls Corporation, Fulton, N. Y. Rendering paper impervious. 1,542,539; June 16.
Wullstein, Herman F., Salt Lake City, Utah. Screen. 1,541,887; June 16.
Yassukovitch, Michel S., New York, N. Y. Ash tray. 1,542,755; June 16.
Yount, Rose G., Calwa City, Calif. Self-closing bleed cock for air brakes. 1,542,329; June 16.
Zanfagna, Frank, Providence, R. I. Toy. 1,542,283; June 16.
Zeiss, Firm Carl. (See König, Albert, assignor.)
Zero Hour Torpedo Company. (See Cheley, W. J., and Bleecker, assignors.)
Zgliczynski, Stefan, Baltimore, Md. Automatic wind motor. 1,542,483; June 16.
Zimmermann, Carl F., assignor to Conveyers Corporation of America, Chicago, Ill. Ash conveyer. 1,542,020; June 16.
Zimmermann, Robert, Tubach, assignor to the Firm Textilwerk Horn A.-G., Horn-on-the-Bodensee, Switzerland. Production of transparent effects in cotton fabrics. 1,542,202; June 16.
Zizka, Adam, jr., assignor to Harley-Davidson Motor Co., Milwaukee, Wis. Transmission. 1,542,806; June 16.
Zsiki, Louis, assignor of one-third to G. Pitlu, Wharton, N. J. Ship propulsion and control means. 1,542,540; June 16.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 16TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator, Foot. A. F. Gillet. 1,542,052; June 16.
Acetone, Purifying. H. F. Wilkie. 1,542,538; June 16.
Acid by the contact process, Manufacture of sulphuric. O. Bezanson. 1,542,486; June 16.
Acid, Making aminosalicylic. J. F. Norris and E. O. Cummings. 1,542,265; June 16.
Acids from aromatic hydrocarbons, Making. J. F. Norris and E. W. Fuller. 1,542,364; June 16.
Adding machines, Strip-feeding mechanism for. B. P. Hayes. 1,542,129; June 16.
Adjustable bracket. W. Lindholm. 1,542,618; June 16.
Adjustable cap. I. Kaplan. 1,542,302; June 16.
Adjustable rack. W. R. Ebert. 1,542,495; June 16.
Adjustable wrench. M. J. Economides. 1,542,291; June 16.
Advertising apparatus, H. Widre. 1,542,120; June 16.
Advertising device. J. M. Smith. 1,542,788; June 16.
Aerial targets, Apparatus for ascertaining the altitude of. E. Schneider. 1,542,534; June 16.
Air brakes, Self-closing bleed cock for. R. G. Yount. 1,542,329; June 16.
Aircraft-housing device. A. L. Stevens. 1,542,484; June 16.
Air, Humidifying. R. W. Hardie. 1,542,696; June 16.
Air separator. G. H. Fraser. 1,542,050; June 16.
Alarm: *See*—
Burglar alarm.
Alloy. P. Girin. 1,542,232–3; June 16.
Alloy, Iron. G. A. Drysdale. 1,542,440; June 16.
Ammonium nitrate, Producing. L. H. Greathouse. 1,541,808; June 16.
Archer's arrow, neck and finger grip. B. F. Maxwell. 1,542,150; June 16.
Arrow. I. V. Cole. 1,542,762; June 16.
Article holder. C. C. Ramsey. 1,542,271; June 16.
Ash conveyer. C. F. Zimmermann. 1,542,020; June 16.
Assembling machine. N. H. Knowlton. 1,541,823; June 16.
Atomizer. B. S. Harrison. 1,541,946; June 16.
Attaching device. A. C. Lang. 1,542,706; June 16.
Automobile body. C. A. Frick. 1,542,785; June 16.
Automobile buffer device. G. A. Lyon. 1,542,623; June 16.
Automobile bumper. A. Harris. 1,542,240; June 16.
Automobile bumper. J. P. Ravelo. 1,542,272; June 16.
Automobile directing signal. C. Limperos. Des. 67,607; June 16.
Automobile direction signal. C. C. Leonard. 1,542,152; June 16.
Automobile doors, Connecting means for two-part. M. R. Hull. 1,541,960; June 16.
Automobile fender. B. Nelson. 1,542,469; June 16.
Automobile heater. T. Bovey. 1,542,363; June 16.
Automobile heater. J. W. Keich, J. J. Sunday, and F. Schlueter. 1,541,821; June 16.
Automobile lighting, System of. F. A. Kenney. 1,542,069; June 16.
Automobile lock. J. F. Hoffmann. 1,542,137; June 16.
Automobile signal. B. J. Hubbard. 1,541,816; June 16.
Automobile signal. W. F. Terry. 1,542,017; June 16.
Automobile sled attachment. H. L. MacGown and H. G. Clark. 1,542,625; June 16.
Automobile-spring jack. N. C. Bethrea. 1,542,860; June 16.
Automobile turntable. H. F. Becher. 1,542,867; June 16.
Automobiles, Front fender for. J. P. Ravelo. 1,542,273; June 16.
Bag: *See*—
Garment bag.
Bag holder. S. Nelson. 1,542,184; June 16.
Bag rack. H. M. Simpson. 1,541,868; June 16.
Bags, Handling and bunching. J. T. Dalton. 1,542,876; June 16.
Bait, Artificial. F. Paulson. 1,542,404; June 16.
Ball: *See*—
Playing ball.
Balloon, Kite. H. G. Gibbs. 1,542,547; June 16.
Barrel support. A. Olson. 1,542,636; June 16.
Barrel support. A. Olson. 1,542,712; June 16.
Barrel, Working. C. P. Howe. 1,542,248; June 16.
Bathing cap. M. Hamilton. 1,541,810; June 16.
Batter dropper. N. Minsberg. 1,541,990; June 16.
Battery: *See*—
Dry-cell battery.
Battery case. F. C. Drake, J. W. Hough, H. J. Iddings, and L. D. Pierson. 1,542,676; June 16.
Battery terminal connecter. C. M. Eberling. 1,542,680; June 16.
Beam or bar, Rolling flanged metal. H. Grey. Re16,097; June 16.
Bearing structure, Roller-. W. F. Huther. 1,542,300; June 16.
Bed, Automobile. A. S. Robinson. 1,542,526; June 16.
Bed, Electrically operated disappearing. H. H. Hall. 1,542,766; June 16.
Bedspring stretcher. G. E. Philp. 1,542,086; June 16.
Bell and buzzer, Combined. H. Hersh. 1,541,954; June 16.
Belts, Device for replacing. G. H. Price. 1,542,580; June 16.
Bending readily-breakable metals. A. L. Duval d'Adrian. 1,541,924; June 16.
Beverage-dispensing fixture. J. M. Travis. Des. 67,626; June 16.
Bituminous emulsion. H. A. Mackay. 1,542,626; June 16.
Bituminous material and making same, Dispersion of. M. B. Cone. 1,542,035; June 16.
Block: *See*—
Building block. Wire-drawing block.
Block-making machine. M. Freedman. 1,542,497; June 16.
Blouse, Knitted. I. P. Cohen. Des. 67,581; June 16.
Blouse, Knitted. G. Shaib. Des. 67,621; June 16.
Boiler: *See*—
Ham boiler.
Bolt: *See*—
Door bolt. Self-tightening bolt.
Bolt. O. Evans. 1,542,682; June 16.
Bolt nuts and the like, Locking device for. J. B. Hood. 1,542,247; June 16.
Book, Blank-form. F. L. Johns. 1,542,456; June 16.
Boot and shoe construction. J. Gargan. 1,542,490; June 16.
Bottle. J. S. S. Baker. Des. 67,569; June 16.
Bottle. G. D. Stewart. Des. 67,622; June 16.
Bottle. H. L. Terry. Des. 67,625; June 16.
Bottle-cap printing and making machine. J. Stasiak and F. Sztukowski. 1,542,482; June 16.
Bottle cleaner. G. E. Taylor. 1,542,106; June 16.
Bottles, jars, or the like and fabricating the same, Covering or capsule for. G. Bonwitt. 1,542,484; June 16.
Bouquet. I. W. Cunningham. 1,541,928; June 16.
Bowling-alley system. W. H. Gray. 1,542,804; June 16.
Box: *See*—
Cable box. Mail box.
Box-covering machines, Tape-applying mechanism for. C. E. Gooding. 1,542,444; June 16.
Box or crate. R. Stoddard. 1,541,872; June 16.
Box with opening device. D. E. Salvucci. 1,541,854; June 16.
Boxes, Machine for use in making. E. F. Dunne, jr. 1,541,927; June 16.
Bracket: *See*—
Adjustable bracket. Shade bracket.
Flag bracket.
Braiding carrier. A. C. Hopkins. 1,542,454; June 16.
Braiding machine. J. H. Connolly. 1,541,792; June 16.
Brake. E. J. Hirvonen. 1,542,155; June 16.
Brake band. A. H. Sweet. 1,542,185; June 16.
Brake control. E. B. Mead. 1,542,515; June 16.
Brake-control apparatus, Air-. F. West. 1,542,117; June 16.
Brake-operating mechanism. A. F. Klasing. 1,542,062; June 16.
Brake release. M. A. Nye. 1,542,634; June 16.
Brake-shoe head. J. R. Bartholomew. 1,541,914; June 16.
Bromine solution. H. Friedenthal. 1,541,910; June 16.
Brush cleaner. C. W. Ballman. 1,542,025; June 16.
Brush, Floor. C. Byrd. 1,542,369; June 16.
Brush, Fountain marking. E. C. Buehrer. 1,542,333; June 16.
Buckle, Belt. A. Horasnian. 1,542,246; June 16.
Building block. G. Pilati. 1,542,001; June 16.
Bulb, Absorption. C. J. Bottmann. 1,541,853; June 16.
Burglar alarm. J. W. Thompson, jr. 1,542,745; June 16.
Burner: *See*—
Fluid-fuel burner. Hot-blast burner.
Gas burner. Liquid-fuel burner.
Gaseous-fuel burner. Oil burner.
Burner. G. L. Fogler. 1,542,294; June 16.

Burners, Liquid-fuel-feeding device for rotary oil. J. Scheminger, jr. 1,542,531; June 16.
Cabinet for sound-producing devices. J. Wolff. Des. 67,637; June 16.
Cabinet, Knockdown. J. H. Richard. 1,542,274; June 16.
Cable box. H. L. Strongson. 1,542,421; June 16.
Cable installation. H. W. Fisher and R. W. Atkinson. 1,541,937; June 16.
Cage body, Bird-. L. J. Leon. Des. 67,606; June 16.
Calcining method and apparatus. C. F. Sparks. 1,542,647; June 16.
Calendar, Perpetual. F. A. Stevenson. 1,542,742; June 16.
Calendar, Reference. F. A. Stevenson. 1,542,743; June 16.
Caliper, Micrometer. P. J. Darlington. 1,541,706; June 16.
Cam-forming machine. P. A. Raiche. 1,542,582; June 16.
Can body and producing same. J. Brensinger. 1,542,662–3; June 16.
Can opener. J. B. Bradshaw. 1,542,661; June 16.
Candy, Making filled. W. B. Laskey. 1,542,710; June 16.
Capsule mold. J. L. George. 1,541,939; June 16.
Capsule, Wafer. G. Klinkenstein, J. L. Litmony, and B. Plavecsky. 1,541,967; June 16.
Car coupler. W. Kelso. 1,542,308–6; June 16.
Car-door-control device. W. B. Renshaw. 1,542,004; June 16.
Car-door fastener. W. R. Gillies. 1,542,053; June 16.
Car door, Grain-. J. E. Drake. 1,542,224; June 16.
Car-door holding and sealing device. A. H. Haugen; 1,542,450; June 16.
Car ferry, Double-decked. J. G. Miller. 1,541,989; June 16.
Car, Motor. V. Lancia. 1,542,510; June 16.
Car, Railway dump. J. D. Benbow. 1,541,784; June 16.
Car stop. G. H. Bein. 1,541,892; June 16.
Car, Tank. R. Welcker. 1,542,116; June 16.
Carbon-black and power generator. W. A. Sharpe. 1,541,860; June 16.
Carbon particularly for medicinal use, Decolorising. J. N. A. Sauer. 1,542,006; June 16.
Carbon, Method of and apparatus for compressing amorphous. G. H. Wheatley. 1,542,119; June 16.
Carburetor. A. D. Paterson and M. A. Gray. 1,542,168; June 16.
Carburetor. E. E. Richardson. 1,542,415; June 16.
Cards, Trick deck of. W. I. Davidson. 1,541,925; June 16.
Carriage hood, Baby-. S. Morris. Des. 67,613; June 16.
Carrier: *See*—
Braiding carrier. Pipe carrier.
Door carrier. Tire-chain carrier.
Luggage carrier.
Carrier strap, Adjustable. A. Morde. 1,542,163; June 16.
Cart. A. J. Longstreet, F. A. Califf, and F. J. Blakslee. 1,542,621; June 16.
Case: *See*—
Battery case. Pass case.
Casting mold. C. D. Pettis. 1,542,637–9; June 16.
Casting mold, Permanent. C. D. Pettis. 1,542,640–1; June 16.
Centrifugal machine. V. Verney. 1,542,747; June 16.
Ceramic ware, Production of. R. Sprenger. 1,541,869; June 16.
Certificate, Safety transferable financial. W. E. Gentry and C. F. Fortune. 1,542,692; June 16.
Chair. F. Koeniskramer. 1,542,508; June 16.
Check. J. Fournier. 1,542,688; June 16.
Check-book holder. J. A. Vautrot. 1,542,192; June 16.
Check, Rebound. S. S. Falkinburg. 1,542,046; June 16.
Chick container. P. Baar. 1,542,024; June 16.
Chute, Ice. J. Alessandro. 1,542,651; June 16.
Cigar and cigarette holder. J. F. Becker. 1,541,891; June 16.
Cigar extinguisher. J. E. Neahr. 1,541,841; June 16.
Cigar lighter. G. J. Williams and E. K. Nelson, jr. 1,542,752; June 16.
Cigarette, Packing. G. C. Ekström, G. Orström, and B. A. E. Johnson. 1,541,931; June 16.
Circuit breaker. W. L. Larson. 1,542,709; June 16.
Circuit breaker. G. Pallin. 1,541,998; June 16.
Circuit closer. C. J. Nyman. 1,542,635; June 16.
Circuit cut-out, Safety. M. Höchstädter. 1,541,813; June 16.
Circuit interrupter. A. E. Greene. 1,542,501; June 16.
Clamp: *See*—
Electric ground clamp. Timber clamp.
Form clamp.
Clarifying apparatus, Continuous. F. J. Casablanca and M. F. Galdo. 1,542,666; June 16.
Cleaner: *See*—
Bottle cleaner. Suction cleaner.
Brush cleaner. Window cleaner.
Cleaning article interiors, Apparatus for. W. Frankland and T. E. Maloney. 1,542,689; June 16.
Clock, Coin-controlled. R. H. McMinn. 1,541,984; June 16.
Clock, Electric alarm. M. H. Rodrigues. 1,542,275; June 16.
Closet: *See*—
Water-closet.
Clothesline. D. N. Wilkerson. 1,542,200; June 16.
Clothesline reel. J. Carlson. 1,542,435; June 16.
Clothespin. G. C. Berger. 1,542,208; June 16.
Clothes wringer. H. W. Doughty. 1,542,439; June 16.
Clutch disk. R. E. Wemp. 1,541,883; June 16.
Coal feeder for gas producers. C. A. Schrans. 1,542,782; June 16.
Coal washer and separator. W. F. Martin. 1,542,627; June 16.
Coffin. A. C. Ray. 1,542,725; June 16.
Collapsible form. O. J. Laley. 1,541,827; June 16.
Collapsible tube. R. H. Lieberthal. 1,542,563; June 16.
Composition board and making the same. E. S. Kopp. 1,542,559; June 16.
Compressing machine, Material-. E. B. Coleman and G. C. Humphrey. 1,541,901; June 16.
Compressor. J. G. Johnson. 1,542,140; June 16.
Concrete and other piles, Metal shoe for. L. Gardiner. 1,542,498; June 16.
Concrete blocks, Mold for making. C. W. Akers. 1,542,021; June 16.
Concrete floor construction, Separator strip for. A. M. Vandivier. 1,542,591; June 16.
Concrete reenforcement frames and other analogous purposes, Interlocking means for use in the construction of. G. E. Ciuett. 1,542,492; June 16.
Concrete structure, Process of and apparatus for making. C. E. Cortes. 1,542,037; June 16.
Condensing arrangement of rectifying apparatus. E. A. Barbet. 1,541,912; June 16.
Condensing unit. P. A. Bancel. 1,542,596; June 16.
Control apparatus. O. P. Schuster. 1,541,857; June 16.
Control method and apparatus. E. S. Bristol. 1,542,030; June 16.
Controlling arc welding, Method of and apparatus for. R. L. Kingsland. 1,542,702; June 16.
Cooker, Compartment steam. E. C. Dodge. 1,541,799; June 16.
Cooling, turning-over, and sacking apparatus, Portable. O. Hovden. 1,542,067; June 16.
Cord winding and cutting device. C. V. Nelson. 1,542,082; June 16.
Corner bead. F. E. Planett. 1,542,317; June 16.
Corner shield and caster, Combined. W. S. Garfield. 1,542,231; June 16.
Cotter pin. J. R. Coleman. 1,542,493. June 16.
Cotton fabrics. Process for production of transparent effects in. R. Zimmermann. 1,542,202; June 16.
Cotton gins, Air-blast flue and nozzle for. G. E. Evans. 1,542,293; June 16.
Coupling: *See*—
Hose coupling.
Cranes, Spring suspension for traveling. H. B. Baker. 1,541,782; June 16.
Cream separator. R. S. Innes. 1,542,250; June 16.
Crochet hooks and other articles, Machine for turning blanks for. W. R. Watrous. 1,542,428; June 16.
Crucible, Refractory. J. H. Deppeler. 1,542,784; June 16.
Crucibles, Plugging. E. F. Begtrup. 1,542,598; June 16.
Cuff button. L. Samuels. 1,542,325; June 16.
Cuff, Combination. R. B. Pierson. 1,542,473; June 16.
Cultivator-blade. C. Bevill. 1,541,894; June 16.
Cultivator, Motor. E. A. Hollenbeck. 1,541,955; June 16.
Cultivators, Power-shift for. H. S. Dickinson. 1,542,370; June 16.
Cup: *See*—
Filling cup. Oil cup.
Cutter: *See*—
Thread cutter.
Cutting machine. M. F. Rose. 1,542,527; June 16.
Cutting tool. F. J. Schroeder. 1,542,007; June 16.
Cycle engine, Two-stroke-. L. H. Hounsfield. 1,542,697; June 16.
Dealcoholization and apparatus for performing the same. C. H. Caspar. 1,541,789; June 16.
Dehydrator. C. A. Green. 1,542,616; June 16.
Dehydrator. H. J. Schmidt. 1,542,587; June 16.
Derrick, Oil-well. C. M. Heeter. 1,541,811; June 16.
Dies, matrices, punches, and like objects molded in the hot state, Manufacture of. L. Ferrari. 1,542,047; June 16.
Directory strip, Interchangeable. G. Mackintosh. 1,542,789; June 16.
Discharge-device system. J. C. Gabriel and A. G. Landeen. 1,542,381; June 16.
Dishes, Food-storing. A. O. Weis. 1,542,115; June 16.
Dishwashing machine. C. F. Doble. 1,542,041; June 16.
Dispensing device, Portable. C. Spaeth. 1,542,780; June 16.
Dispensing stopper. W. F. Shaw. 1,541,861; June 16.
Display carton. L. D. Campbell. 1,542,285; June 16.
Display device. A. Dietsche, jr. 1,541,908; June 16.
Doll. F. L. Meyer. Des. 67,609; June 16.
Doll. J. Scoll. Des. 67,620; June 16.
Door. B. H. Anibal. 1,542,595; June 16.
Door. M. Gilmore. 1,542,443; June 16.
Door bolt. W. A. Mueller. 1,542,468; June 16.
Door carrier. J. V. Gibson. 1,542,296; June 16.
Door latch. B. E. Moriarty. 1,541,992; June 16.
Draft regulator. D. J. Scanlan and J. J. Keane. 1,542,416; June 16.

Drier. H. L. Bryant. 1,542,382; June 16.
Drier. H. E. Collins. 1,541,902; June 16.
Drill jar and making same. R. Armour. 1,541,911; June 16.
Drill-rod-joint connection. W. H. and E. W. Palmer. 1,542,266; June 16.
Drilling apparatus. W. B. Reed and W. Hepler. 1,542,172; June 16.
Drilling tool, Well-. C. M. Ingram. 1,542,776; June 16.
Drip pan. R. A. Rick. 1,542,523; June 16.
Dropper: *See*—
Batter dropper.
Dry-cell battery. H. M. Koretzky and B. H. Teitelbaum. 1,542,705; June 16.
Drying. W. Meyer. 1,541,988; June 16.
Drying apparatus. H. Basts. 1,541,889; June 16.
Dust cap. H. P. Kraft. 1,542,064; June 16.
Dust separator. A. Jordahl. 1,542,556; June 16.
Dynamo plant, Prime-mover. C. E. Reddig. 1,542,411; June 16.
Educational device. L. M. Bruhn. 1,542,031; June 16.
Educational device. H. G. Cress. 1,541,795; June 16.
Egg-washing machine. C. McCullough. 1,542,347; June 16.
Electric furnace. R. E. Talley. 1,542,278; June 16.
Electric generator circuit. J. C. Moore. 1,542,261; June 16.
Electric ground clamp. W. E. Mayer. 1,542,074; June 16.
Electric heater and stove. H. P. Ball. 1,542,330; June 16.
Electric heater, Portable. W. Clark. Des. 67,578; June 16.
Electric iron. L. L. Conrad. 1,542,218; June 16.
Electric snap switch. H. E. Leppert. 1,542,310; June 16.
Electrical lines, Interconnection of. G. A. Betulander. 1,542,361; June 16.
Electrical switch. L. J. Voorhees. 1,541,877; June 16.
Electrical transmission of intelligence, Apparatus for the. L. J. Rich. 1,542,524; June 16.
Electrical wave transmission. M. I. Pupin. 1,541,845; June 16.
Electrodes, Protecting furnace. W. H. Payne. 1,542,716; June 16.
Electrolytic cell. F. E. and H. B. Hartman. 1,541,947; June 16.
Electrolytic deposition of metallic chromium. R. Grah. 1,542,549; June 16.
Electromagnet contactor. C. H. Hodgkins and W. C. Goodwin. 1,541,814; June 16.
Electromagnetic device. P. K. McGall. 1,542,398; June 16.
Electromagnetic separator. J. Bing. 1,541,915; June 16.
Electromagnetic switch. A. J. Heitz. 1,542,768; June 16.
Embalming accessory. E. R. Jones. 1,542,699; June 16.
Engine: *See*—
Cycle engine. Rotary engine.
Gas engine. Safety brake engine.
Internal-combustion engine.
Engine. M. Guy and J. J. Ruiz. 1,542,056; June 16.
Engine attachment, Internal-combustion-. J. R. Ash. 1,542,353; June 16.
Engine fuel, Treating. W. Harper, jr. 1,542,448; June 16.
Engines, Air-discharge device with internal-combustion. A. Reinsch. 1,542,003; June 16.
Engines, Balancing of reciprocating. F. W. Lanchester. 1,542,254; June 16.
Engines, Preventing leakage past the pistons of internal-combustion. G. A. Taylor. 1,542,423; June 16.
Engines, Vapor-supply apparatus for fuel charges of internal-combustion. P. L. Jones. 1,542,501; June 16.
Esters of fatty acids, Production of. R. H. McKee. 1,542,519; June 16.
Ethers, Manufacture of cellulose. H. Dreyfus. 1,542,541; June 16.
Eyelashes, Method and device for crimping. C. W. Stickel. 1,542,014; June 16.
Fabric: *See*—
Necktie fabric.
Fabrics, Machine for ornamenting. L. Flick. 1,541,806; June 16.
Fastener. F. S. Carr. 1,542,761; June 16.
Fastener. I. C. Fife. 1,541,936; June 16.
Faucet. A. Sevilla Blanco. 1,542,284; June 16.
Feed-regulating mechanism. F. I. Raymond. 1,541,848; June 16.
Feed-water heater. G. T. Foster. 1,542,295; June 16.
Feeding mechanism. P. G. Purinton. 1,541,846; June 16.
Feeding table, Automatic. A. Mondi. 1,542,569; June 16.
Felt, Leatherboard. F. V. Chaney. 1,541,922; June 16.
Fencing machine. W. B. Phillips. 1,542,720; June 16.
Fender: *See*—
Automobile fender.
Fiber or the like, Art of and apparatus for the treatment of plant. C. C. Selden and R. D. Pearson. 1,542,180; June 16.
Filling cup. W. Armour. 1,542,854; June 16.
Films, Machine for treating cinematograph. G. A. Salins. 1,542,530; June 16.
Filter, Air. K. G. Eumback. 1,542,529; June 16.
Finger ring. G. E. Alterton. Des. 67,567; June 16.
Finger ring. Z. Freund. Des. 67,589; June 16.
Finger ring. D. G. Hay. 1,542,345; June 16.
Firearm. A. J. Savage. 1,542,477; June 16.
Fish-dressing machine. E. H. Waugh. 1,542,196; June 16.
Fishing reel. G. F. Miles. 1,542,403; June 16.
Fishing tool. T. M. Rogers. 1,542,090; June 16.
Flag bracket. A. W. Klug. 1,542,458; June 16.
Flag holder, Track-signal-. H. W. Fahnestock. 1,542,226; June 16.
Floor-cleaning machine. J. B. Mortan, jr. 1,542,262; June 16.
Floor-surfacing machine. A. B. Christensen and A. B. Andreassen. 1,542,667; June 16.
Flower, Artificial. M. F. F. Wilson. 1,542,432; June 16.
Flower pot, lamp, and smoking stand, Combination. C. B. Kinkadden. Des. 67,603; June 16.
Fluid-fuel burner. W. E. Baker. 1,542,759–60; June 16.
Fluid-fuel burner. P. Johnson. 1,542,142; June 16.
Flush tanks, water-closet seats, and covers, Composition of matter for making. E. F. Germain. 1,542,615; June 16.
Flytrap. C. A. Fleming. 1,541,805; June 16.
Folding table. W. E. Marsh. 1,541,838; June 16.
Foot-arch-supporting device. D. Bonaba. 1,542,210; June 16.
Foot rest for shoe-shine parlors. A. R. P. Johnson. 1,542,141; June 16.
Form clamp. G. E. Bosco. 1,541,896; June 16.
Fruit and like press. A. S. Kirshner. 1,542,558; June 16.
Frame: *See*—
Furnace-door frame. Plow frame.
Knitting frame. Window frame.
Necktie frame.
Fruit-juice separator. L. N. Hills. 1,542,771; June 16.
Fruit press, potato masher, and strainer, Combination. M. A. Rollman. 1,542,322; June 16.
Fruit-slice-cutting machine. E. R. Jagenburg. 1,542,554; June 16.
Fruit tool, Combination. C. C. Nordquist. 1,542,470; June 16.
Fuel economizer. G. B. Calhoun, L. White, and L. Hayes. 1,542,665; June 16.
Fuel, Pulverising, feeding, and burning. J. Crites. 1,541,908; June 16.
Fuel-supply system, Dual. W. M. Ristau, jr. 1,541,851; June 16.
Fuels, Burning pulverulent. E. B. Worthington. 1,542,122; June 16.
Fumigating apparatus. K. F. Cooper. 1,541,798; June 16.
Furnace: *See*—
Electric furnace. Roasting furnace.
Heating furnace. Siemens-Martin furnace.
Furnace. F. A. Daechsel. 1,542,219; June 16.
Furnace. C. E. Hawke and B. M. Johnson. 1,542,552; June 16.
Furnace door frame, Open-hearth-. A. Gantz. 1,542,690; June 16.
Furnace for melting and treating ores and metals generally. T. Levoz. 1,542,562; June 16.
Furnace for use in the manufacture of sheet-glass by vertical drawing. E. Delacuvellerie. 1,541,906; June 16.
Furnace roofs, Repairing. J. M. Andrew and R. T. Hadley. 1,542,351; June 16.
Furnaces with finely-ground charging material by feeding into the smelting zone, Charging shaft. H. Henrich. 1,542,245; June 16.
Furniture-top construction. D. E. Hunter. 1,542,133; June 16.
Fuse. C. H. Pearson. 1,542,169; June 16.
Fuse, Electric. H. T. Bussmann. 1,542,604–8; June 16.
Fuselage. A. K. Longren. 1,541,976; June 16.
Game. W. L. Buedinger. 1,541,897; June 16.
Game apparatus. S. W. Knight. 1,542,068; June 16.
Game, Ball. A. V. Klink. 1,542,396; June 16.
Game, Card. A. L. R. Johnson. 1,542,392; June 16.
Game device. S. Luber. 1,541,980; June 16.
Garment bag. A. Stone. 1,542,420; June 16.
Garment, Combination. J. F. Scott. 1,541,856; June 16.
Garment hanger. W. Reid. 1,542,320; June 16.
Garter, Boot-sock. C. E. Brockway. 1,542,331; June 16.
Gas analysis by weight, Method and apparatus for carrying out automatic. C. A. Hartung. 1,542,242; June 16.
Gas anchor and sand settler with perforations, Combination. H. B. Blanton. 1,542,599; June 16.
Gas burner. C. Hartmann. 1,542,241; June 16.
Gas burner. D. K. Karamanos. 1,542,393; June 16.
Gas burner and heating appliance. J. W. Bowerbank. 1,542,212; June 16.
Gas engine. E. F. Reynolds. 1,542,522; June 16.
Gas engine. I. H. Spencer. 1,542,277; June 16.
Gas engine, Two-cylinder double-acting four-cycle. E. Drawe. 1,542,677; June 16.
Gas-generating plant, Fuel-. W. E. Baker. 1,542,758; June 16.
Gases from liquids, Separation of air and dissolved. W. S. Elliott. 1,542,544–5; June 16.
Gaseous-fuel burner. J. V. Roberts. 1,542,588; June 16.
Gate: *See*—
Race-track starting gate.

Gauge: *See*—
Internal gauge.
Gear, Differential. E. W. MacKay-White. 1,542,069; June 16.
Gear, Draft. W. J. Regan. 1,542,726; June 16.
Gearing, Transmission. T. M. Joyner. 1,542,701; June 16.
Germicide tank. J. M. Golden. 1,542,234; June 16.
Girdle, Lady's. F. Allmendinger. Des. 67,566; June 16.
Glass bottle. H. Turtletaub. Des. 67,634; June 16.
Glass furnaces, Plunger-operating mechanism for. T. Stenhouse. 1,542,013; June 16.
Glass-working machine. J. Brunigan. 1,542,365; June 16.
Glove. C. W. White. 1,542,199; June 16.
Glove, Baseball. H. A. Myers. 1,542,516; June 16.
Goblet or similar article. G. S. Carlson. Des. 67,577; June 16.
Golf-practicing apparatus. H. R. Cecver. 1,542,489; June 16.
Golf tee. G. R. Jacobus. 1,542,505; June 16.
Golf tee. W. F. Mahony. 1,542,514; June 16.
Grain, Stacking and curing. D. M. Graham. 1,542,235; June 16.
Grain ventilation, System of. C. Pleuing and M. Heineken. 1,542,721; June 16.
Grapefruit-preparing device. F. H. Ankeny. 1,542,352; June 16.
Grinding machine. J. D. McClelland. 1,542,624; June 16.
Grinding machine and method of grinding. F. Miller. Re16,098; June 16.
Grinding machine, Spiral-drill-. H. Brittinger. 1,542,020; June 16.
Grinding-wheel dresser. A. M. Drake. 1,542,343; June 16.
Gripper. C. F. Pym. 1,541,847; June 16.
Guidepost, Traffic. S. C. Goodrich. Des. 67,593; June 16.
Gun, Breech-loading. O. D. Lucas. 1,541,981; June 16.
Gypsum blocks, Producing. O. E. Bornhauser and J. E. Herman. 1,542,601; June 16.
Ham boiler, Octagonal. H. Adelmann. 1,542,022; June 16.
Hammer. I. S. Walter. 1,542,748; June 16.
Handle: *See*—
Stem handle.
Handling device. W. H. Sikma. 1,542,010; June 16.
Hanger: *See*—
Garment hanger.
Harmonics, Reduction of interference from. L. J. Rich. 1,542,525; June 16.
Harness. C. C. Rose. 1,542,176; June 16.
Harvester, Beet. W. May. 1,542,466; June 16.
Hat. M. M. Williams. Des. 67,636; June 16.
Hat-lining-blocking machine. L. M. Page and L. Meylach. 1,541,997; June 16.
Hay press. O. C. Nickle. 1,542,263; June 16.
Haystacker. H. C. Beckwith. 1,542,658; June 16.
Header-frame and feed-spout connection. G. H. Harris. 1,542,126; June 16.
Headlight and signal control for vehicles. J. C. Moore. 1,542,077; June 16.
Headlight for automobiles, Dirigible. V. Ketteler. 1,542,251; June 16.
Headlight for vehicles, Nonglaring. J. D. Pemberton and J. A. Burney. 1,542,718; June 16.
Headpiece. B. L. Parsons. 1,542,000; June 16.
Heat exchanger. E. R. Cox. 1,542,618; June 16.
Heater: *See*—
Automobile heater. Rivet heater.
Feed-water heater. Water heater.
Oil heater.
Heater. H. Dudley. Des. 67,582; June 16.
Heating device. A. D. Jones. 1,542,506; June 16.
Heating furnace. F. A. Wald. 1,542,193; June 16.
Heaters, Controlling device for. J. McAlear and E. W. Riesbeck. 1,542,068; June 16.
Heel. L. Buckner. 1,542,602; June 16.
Heels, Apparatus for use in attaching. F. E. Bertrand. 1,541,785; June 16.
Heels, Attaching. J. F. Standish. 1,541,870; June 16.
Hoisting implement. D. E. Gordon. 1,542,548; June 16.
Hoisting machine. R. M. Lovejoy. 1,542,067; June 16.
Hook: *See*—
Meat hook. Safety hook.
Hose. G. B. Mellus. 1,542,161; June 16.
Hose coupling. O. P. Canaday. 1,542,371; June 16.
Hose coupling. E. Cardarelli. 1,542,335; June 16.
Hospital truck. W. W. Frederick. 1,541,938; June 16.
Hot-blast burner, External. A. G. Kaufman. 1,542,394; June 16.
Hot-water bottle. C. Small. 1,542,276; June 16.
Humidifier. W. B. Hodge. 1,542,136; June 16.
Humidifier, Steam. E. B. Ayres. 1,542,655; June 16.
Ice cans, Air-feeding system for. T. Shipley. 1,542,735; June 16.
Ice-cream-cone-baking machine. L. Berzon. 1,541,893; June 16.
Ice-cream freezer. M. A. Rollman. 1,542,323; June 16.
Identification device, Passenger-. J. G. King. 1,542,061; June 16.
Incinerator. E. Keuer, jr. 1,542,457; June 16.
Indicator: *See*—
Thermoelectric indicator.
Indicator apparatus. C. D. Macgill. 1,542,465; June 16.
Inking roller, Sectional. H. De Jarnette. 1,542,221; June 16.
Inkwell base. S. N. Falder. Des. 67,588; June 16.
Insole-reenforcing machine. T. H. Seely. 1,541,859; June 16.
Insoles, Making and using arch-supporting. A. G. Legge. 1,542,480; June 16.
Instruction roll. I. M. Bloch. 1,542,029; June 16.
Insulating machine. J. J. Reinhold. 1,542,095; June 16.
Insulators of glass, Making suspension. E. Schott. 1,542,588; June 16.
Internal-combustion engine. F. B. H. Garson. 1,542,705; June 16.
Internal-combustion engine. W. H. Lyreman and G. A. Amidon. 1,542,463; June 16.
Internal-combustion engine. B. R. and A. E. Pool. 1,542,578; June 16.
Internal-combustion engine. C. E. Sargent. 1,542,476; June 16.
Internal-combustion engine. M. Tibbetts. 1,542,111; June 16.
Internal gauge, Adjustable. J. Bath. 1,542,026; June 16.
Iron: *See*—
Electric iron.
Ironing table. K. B. Olander. 1,542,084; June 16.
Jack: *See*—
Automobile spring jack. Pump jack.
Lifting jack. Wedge jack.
Jack. T. P. Brockett. 1,542,213; June 16.
Jack. C. E. Gregory. 1,542,695; June 16.
Jack. M. L. Heineke. 1,542,131; June 16.
Jail-locking mechanism. J. Allenson. 1,542,205; June 16.
Jar: *See*—
Rotary jar.
Joint: *See*—
Universal joint.
Jointing and raking tool. L. H. John and A. Harries. 1,541,964; June 16.
Key and combination lock, Combined. D. H. Bellamore. 1,542,258; June 16.
Knitted webs, Device for transferring. L. N. D. Williams. 1,542,593; June 16.
Knitting frame, Circular-. E. Haaga. 1,541,809; June 16.
Ladders, Equalizer for. H. F. Husted. 1,542,775; June 16.
Lamp, Automobile. P. H. McNeill. 1,542,072; June 16.
Lamp, Bowling-alley. G. Burkhardt. 1,542,603; June 16.
Lamp filaments, Method and apparatus for making. A. Velting. 1,542,592; June 16.
Lamp, Greenhouse-fumigating. W. H. Robinson. 1,542,175; June 16.
Lamp-maintenance device, Electric-. L. W. and W. L. Metzler. 1,541,839; June 16.
Lamp mounting. A. R. Locke. 1,542,619; June 16.
Lamp shades, Adapter for. J. Hasler. 1,541,948; June 16.
Lamp support. G. E. Perry. 1,542,575; June 16.
Lapping machine. J. W. Smith. 1,541,865; June 16.
Lasting and sewing machine. F. Ricks and R. B. Woodcock. 1,541,850; June 16.
Lasting machine. R. H. Silvester. 1,541,862; June 16.
Latch, Gate. M. Lehtonen. 1,542,151; June 16.
Latch, Gate. S. A. Wellman. 1,542,198; June 16.
Lathe. C. Gordon and A. W. Ridlin. 1,542,803; June 16.
Lawn sprinkler. E. E. Thomas. 1,542,648; June 16.
Leather-ironing machine. D. R. Harding. 1,542,447; June 16.
Leather, Method of and liquor for producing tanned. D. D. Jackson, A. Rogers, and T. Hou. 1,541,819; June 16.
Leather-stitching machines, Awl-shifting and stitch-regulating mechanism for. L. J. Du Mais and F. E. Miner. 1,541,800; June 16.
Lens-testing instrument. E. D. Tillyer. 1,542,112; June 16.
Level, Illuminated. J. A. Lett. 1,542,512; June 16.
Lifter: *See*—
Valve lifter.
Lifting jack. C. D. Ellwood. 1,542,794; June 16.
Lifting jack, Self-lowering. W. A. Spear. 1,541,868; June 16.
Light: *See*—
Surgical light.
Light bulbs, Shield for. F. V. Hays, jr. 1,542,131; June 16.
Light-conducting rod for therapeutical purposes. E. Steinberg. 1,542,183; June 16.
Light projector. F. S. Osgood. 1,541,842; June 16.
Lighting fixture. J. A. Amos. 1,542,594; June 16.
Lighting fixture. T. J. Nelson. 1,542,778; June 16.
Lighting fixture. A. B. Walton. Des. 67,635; June 16.
Lightning-fixture bobeche. R. L. Gerth. Des. 67,590; June 16.
Lighting-fixture canopy. R. L. Gerth. Des. 67,591; June 16.
Lighting-fixture canopy. J. A. Schneider. Des. 67,618; June 16.
Lighting-fixture plate. R. L. Gerth. Des. 67,592; June 16.
Lighting-fixture ring. F. S. Crowell. Des. 67,582; June 16.

Lime-burning process. I. Warner. 1,542,195; June 16.
Link. H. O. Clark. 1,542,490; June 16.
Liquid-dispensing device. W. H. Rose. 1,542,584; June 16.
Liquid-fuel burner. W. Classen. 1,542,491; June 16.
Liquid-fuel burner. W. F. Rudkin. 1,542,528; June 16.
Liquid-fuel feeding device. J. Scheminger, jr. 1,542,532; June 16.
Liquid in a heating tank, Heating and circulating. H. M. Reynolds. 1,541,849; June 16.
Liquid-treating apparatus. I. B. Tanner. 1,542,186–7; June 16.
Lister. A. A. Schulze. 1,542,732; June 16.
Listing device. A. F. Rosenberger. 1,542,585; June 16.
Lithoprinting, Work table for. K. Murck. 1,542,633; June 16.
Lobster trap. A. A. Arbotes. 1,541,781; June 16.
Lock: *See*—
Automobile lock. Tire lock.
Nut lock. Trunk lock.
Permutation lock. Valve lock.
Sash lock.
Lock. W. F. Krautter. 1,542,560; June 16.
Locking device. E. L. Grauel. 1,542,446; June 16.
Locking-device control. E. L. Grauel. 1,542,445; June 16.
Locking spring, Self-. A. Krakauer. 1,541,825; June 16.
Locomotive stoker. W. T. Hanna. 1,542,344; June 16.
Locomotives, Drafting system for. W. L. McMahan. 1,542,257; June 16.
Logarithmic calculating device. F. O. Stillman. 1,541,871; June 16.
Loom. H. C. Howarth. 1,541,959; June 16.
Loom take-ups. Let-back for. W. H. Wakefield. 1,542,328; June 16.
Looms, Assembling tube frames for. E. F. Hathaway. 1,542,805; June 16.
Looms, Automatic weft-replenishing mechanism for. D. M. Hollins. 1,542,772; June 16.
Lubricating apparatus. S. D. Locke and C. B. Dosch. 1,542,311; June 16.
Lubricating supply system, Automatic. G. H. Langfeldt. 1,542,707; June 16.
Luggage carrier. P. Doctor. 1,542,842; June 16.
Luggage carrier. E. F. Pawnt. 1,542,807; June 16.
Machines and apparatus, Mechanism for controlling the operation of. G. ter Meer. 1,542,400; June 16.
Magnesia from dolomite, Obtaining. E. Everhart. 1,542,684; June 16.
Mail box, Rural. J. E. Cole. 1,542,217; June 16.
Mandrel, Universal. J. Haushalter. 1,542,128; June 16.
Manifold for centrifugal separators, Overflow. G. ter Meer. 1,542,401; June 16.
Manikin, Talking. E. Echevarria. 1,542,542; June 16.
Map-container, Visible-. G. P. Chapman. 1,541,899; June 16.
Maps, Location-indicating means for. A. Mulligan. 1,542,079; June 16.
Marine unit. J. S. Oechsle. 1,542,165; June 16.
Marlinespike. E. Balod. 1,542,656; June 16.
Material-handling apparatus. E. F. Jones and J. A. Auld. 1,542,143; June 16.
Matrix releasing and delivering means. T. S. Homans. 1,542,774; June 16.
Meat hook. C. Haidle. 1,542,503; June 16.
Mechanical movement. W. E. White. 1,542,486; June 16.
Mechanics horse. J. Forester. 1,542,043; June 16.
Metal, Apparatus for refining. E. F. Agricola. 1,541,778; June 16.
Milk and the like, Continuously sterilizing. N. J. Nielsen. 1,541,994; June 16.
Milk cooler and aerator. L. P. Gehrke. 1,542,691; June 16.
Mill: *See*—
Rolling mill.
Mine, Submarine. G. E. Ellis. 1,542,548; June 16.
Mirror. A. Trippi. Des. 67,627–33; June 16.
Mirror bracket. W. La Hodney. Des. 67,604; June 16.
Mirror, Make-up. G. B. Pollock. 1,542,318; June 16.
Mixer: *See*—
Porridge mixer.
Moisture trap. R. E. Davenport. 1,542,487; June 16.
Mold: *See*—
Capsule mold. Tire mold.
Casting mold.
Mold. C. D. Pettis. 1,542,642; June 16.
Mold. W. A. Wilson. 1,542,751; June 16.
Mold and method of molding. C. D. Pettis. 1,542,843; June 16.
Molded article and manufacturing same. L. A. Paley. 1,541,999; June 16.
Molded articles, Making. O. Linder. 1,541,951; June 16.
Molding, Edge. W. J. Spiro. 1,542,481; June 16.
Molding machine for shaping plastic material. J. S. Ostrom. 1,542,348; June 16.
Map pail and wringer. F. E. Wolter. 1,541,886; June 16.
Motor: *See*—
Tide and current motor. Wave motor.
Water motor. Wind motor.
Motor. C. F. Christopher. 1,541,900; June 16.
Motor. E. Re. 1,542,002; June 16.
Motor-control system. L. J. Stephenson. 1,542,463; June 16.
Motor cycles, Third-wheel attachment for. C. A. Neracher. 1,541,993; June 16.
Motor resetter. M. Victorsohn. 1,541,878; June 16.
Motors, Power control in internal-combustion. B. Atsumi. 1,542,354; June 16.
Nail or staple, Square-end. G. X. Wendling. 1,542,281; June 16.
Nailing machine, Automatic portable. D. N. Rubin and B. Shapiro. 1,542,586; June 16.
Necktie fabric. C. Seidman. 1,542,589; June 16.
Necktie frame. P. A. Schlemp. 1,542,523; June 16.
Nest, Poultry. T. S. McLendon. 1,542,156; June 16.
Nonheat-conducting covering. H. R. Wardell. 1,542,427; June 16.
Nonskid-chain attachment. C. Fath. 1,542,686; June 16.
Nut and bolt assembling machine. C. C. Thomson and J. Craig. 1,541,874; June 16.
Nut lock. R. W. Martin. 1,542,073; June 16.
Nuts on bolts, Safety device for. C. H. Jasper. 1,541,963; June 16.
Oil burner. A. E. and M. T. Bornemeier. 1,542,793; June 16.
Oil burner. G. J. Carlisle. 1,541,788; June 16.
Oil burner. J. R. Flaherty. 1,542,379; June 16.
Oil burner. G. Sawyer. 1,542,326; June 16.
Oil combustion, Fuel-. W. F. Ravenor. 1,542,171; June 16.
Oil cup. L. C. Dutro. 1,542,044; June 16.
Oil-feeding apparatus, Automatic. M. Sorenson. 1,541,866; June 16.
Oil heater. J. Primrose. 1,542,069–90; June 16.
Oils, Method and apparatus for cracking. J. G. Davidson. 1,541,905; June 16.
Optical frames, Instrument for measuring. J. P. Whitaker and J. Fielding. 1,542,019; June 16.
Ores and the products thereof, Treating titaniferous iron. C. R. Whittemore. 1,542,350; June 16.
Ornaments, Producing. H. Heller and H. F. Frimmel. 1,541,952; June 16.
Overshoe. G. W. Blair. Des. 67,571; June 16.
Packaging machine. A. C. van Sluys. 1,542,781; June 16.
Packaging machine. A. C. van Sluys and W. L. Perry. 1,542,782; June 16.
Packing material, Composite. C. T. Ripley. 1,542,698; June 16.
Packing ring. A. S. Pierrel. 1,542,170; June 16.
Padlock. S. R. Fraim. 1,542,442; June 16.
Padlock. F. H. Spencer. 1,542,106; June 16.
Paint, Marine. G. W. Belyea. 1,542,790; June 16.
Pan: *See*—
Drip pan.
Paper impervious, Rendering. W. L. Wright. 1,542,539; June 16.
Paper machines, Broke remover for. T. E. Durham. 1,541,928; June 16.
Paper making. W. A. Lorenz. 1,541,977; June 16.
Paper-making machine. W. E. McIntyre. 1,542,256; June 16.
Paper, Manufacture of packages of rolled webs of. E. Jagenberg. 1,541,962; June 16.
Paper-transferring mechanism. S. H. Plum, 2d, and P. L. Sibole. 1,542,644; June 16.
Pass case. O. Halvorsen and W. T. Seibels. 1,542,124; June 16.
Pasty or doughlike materials, Machine for depositing semifluid. J. Dempsey. 1,542,287; June 16.
Pattern plates, Flask-positioning device for. H. T. Dudley. 1,542,225; June 16.
Pawl mechanism. D. S. de Lavaud. 1,542,040; June 16.
Pay envelope. P. F. and F. H. Wachenhuesen. 1,542,280; June 16.
Pen for recording apparatus. H. W. Heesch. 1,541,950; June 16.
Pencil. H. S. Hasselquist. 1,542,449; April 16.
Pencil having a slidable lead. E. Kroutl. 1,541,826; June 16.
Penholder and protector. P. M. Biondo. 1,541,916; June 16.
Percolator handle. W. W. Dunn. Des. 67,584; June 16.
Perforating attachment. A. E. Ripley. 1,542,097; June 16.
Permutation lock. J. H. Stull. 1,542,016; June 16.
Phonograph attachment. M. A. Downes. 1,542,289; June 16.
Phonograph repeater, Adjustable. S. E. McNulty. 1,542,157; June 16.
Phonograph tone arm. R. B. Daley. 1,542,874; June 16.
Photographs, Device for making stereoscopic. J. C. N. Richards. 1,542,730; June 16.
Picture machine, Motion-. W. C. Roadeker. 1,542,408–10; June 16.
Pile, Forming cast-in-place. J. H. Thornley. 1,542,500; June 16.
Pillow and chest supporter, Combined. A. O. Darling. 1,542,674; June 16.
Pin: *See*—
Cotter pin.
Pipe. D. L. Stronach. Des. 67,623; June 16.
Pipe-bending apparatus. G. E. Barker. 1,542,855; June 16.
Pipe carrier, Antifriction. C. A. Christofferson. 1,541,791; June 16.
Pipe coils, Device for supporting. P. Parker. 1,542,267; June 16.

Pipe fitting. H. Saucke. 1,542,645; June 16.
Pipe-gripping device. F. C. Ostheimer and L. P. Roberson. 1,542,167; June 16.
Pipe thimble. R. Y. Scruggs. 1,542,480; June 16.
Pipe union. O. J. Pfeiffer. 1,542,406; June 16.
Piston ring. H. A. Guerlay. 1,541,944; June 16.
Plastering device. A. Finn. 1,542,687; June 16.
Plate or similar article. L. H. Bown. Des. 67,573–6; June 16.
Platform or table, Supporting. W. A. Bilger. 1,542,783; June 16.
Playing ball, Hollow elastic. R. E. Riley. 1,542,005; June 16.
Plow frame. W. A. Bradley. 1,542,364; June 16.
Plows, Weed-cutting attachment for. C. Shipman. 1,542,009; June 16.
Plumber's bib. W. W. Morgan. Des. 67,612; June 16.
Plumbers' pots, Attachment for. F. Armbrust. 1,542,653; June 16.
Poison duster. A. B. Wever. 1,542,430; June 16.
Pole, Adjustable line. M. W. Kearney. 1,542,507; June 16.
Porridge mixer. W. and E. L. Park. 1,542,574; June 16.
Pot: *See*—
Transplanting pot.
Pot-handle holder. A. E. Bryce. 1,542,368; June 16.
Potato-digging machine. L. C. Wertz. 1,542,750; June 16.
Power-operated pneumatic surfaces, Automatic. L. L. Collins. 1,542,494; June 16.
Power station the output of one or more distant sources, Apparatus for adding to the output of a main. S. D. Sprong. Re16,099; June 16.
Power transmission, Hydraulic. B. E. Adams and J. A. Blair. 1,542,203; June 16.
Power-transmission plant, Alternating-current. K. v. Kando. 1,542,426; June 16.
Power, Transmitting. G. Constantinesco. 1,542,668; June 16.
Preheater. C. A. Darius. 1,542,220; June 16.
Press: *See*—
Fruit and like press.
Hay press.
Printing press.
Tire-strapping press.
Press. H. Kappele. 1,541,966; June 16.
Press for molding plastic substances. W. H. Smith. 1,542,739; June 16.
Presses, Mold box for block. J. van Hüllen. 1,542,191; June 16.
Presses, Safety attachment for power. I. C. Larson. 1,542,708; June 16.
Pressing machine. O. R. Deckert. 1,542,341; June 16.
Pressing machine. J. Denemark. 1,541,907; June 16.
Price-exhibiting device. P. W. Fenton. 1,542,378; June 16.
Printer, Rapid type. F. A. Dolph. 1,542,222; June 16.
Printer's galley. E. P. Ehrlinger. 1,542,441; June 16.
Printing machine. F. A. Dolph. 1,542,223; June 16.
Printing machine, Addressing or like. S. W. Phipps. 1,542,577; June 16.
Printing machines, Sheet-gripping mechanism of. A. B. Evans. 1,541,932; June 16.
Printing-plate-clamping device. E. F. Noell. 1,542,315; June 16.
Printing press. L. E. Morrison. 1,542,632; June 16.
Printing press. P. L. Sibole. 1,542,646; June 16.
Printing-press tripping mechanism. W. H. Bansett. 1,541,890; June 16.
Printing process, Color-. G. G. U. M. Mairesse. 1,542,796; June 16.
Profile template. A. Maden. 1,542,158; June 16.
Propeller, Aeronautical. S. A. Reed. 1,542,412; June 16.
Propeller and making the same, Airplane. W. A. Lorens and S. Shaw. 1,541,978; June 16.
Propeller apparatus. M. C. Nixon. 1,542,083; June 16.
Pulley, Metallic-spiderod fiber. W. D. Hamerstadt. 1,542,125; June 16.
Pump. T. E. Reynolds. 1,542,521; June 16.
Pump, Cam-driven. S. W. Luitwieler. 1,542,312–14; June 16.
Pump jack. T. Dunn. 1,542,679; June 16.
Pump jack, Straight-line-lift. W. J. Colegrove and L. A. Vandervoort. 1,542,763; June 16.
Pump jacks, Operating means for. H. J. Kuhlman. 1,542,459; June 16.
Pump lining. L. P. Burgess. 1,542,334; June 16.
Pump, Vacuum. W. G. Houskeeper. 1,542,890; June 16.
Pumps, Globe for gasoline. G. R. Ames. Des. 67,568; June 16.
Pumps, Governor for power-driven. I. A. Oliver. 1,541,996; June 16.
Punch, Portable. W. A. Loeven. 1,542,711; June 16.
Push-button switch. S. E. Lindvall. 1,542,154; June 16.
Puzzle. P. Kramariuk. 1,542,148; June 16.
Race-track starting gate. R. R. Hassett. 1,542,767; June 16.
Rack: *See*—
Adjustable rack.
Bag rack.
Shoe rack.
Rack foot or support. S. N. Hurt. 1,542,240; June 16.
Radiator. A. Persson. 1,542,085; June 16.
Radiator cap. W. Schnell. Des. 67,619; June 16.
Radiator cover. R. L. Pate. 1,541,844; June 16.
Radiator guard. H. J. Fisher and A. Betz. 1,542,227; June 16.
Radiators, Shutter apparatus for. J. F. Raleigh. 1,542,407; June 16.
Radiators, Top inclosure for. P. B. Schleicher. 1,542,101; June 16.
Radio apparatus. O. I. Price. 1,542,724; June 16.
Radio apparatus, Variable-resistance grid leak for. G. H. Humm. 1,541,817; June 16.
Radio dial adjuster. C. A. Miller. 1,542,568; June 16.
Radio loud speaker. O. Heineman. Des. 67,594–7; June 16.
Radio loud-speaker cabinet. J. Wolff. Des. 67,638–9; June 16.
Radio phone plug. C. W. Denny, W. E. McLaughlin, and G. Helwig. 1,541,798; June 16.
Radioreception, Mineral detector and rectifier for. J. McMenamin; 1,542,258; June 16.
Rail anchor. W. H. De Busk. 1,542,039; June 16.
Rail anchor. P. H. Donovan and L. J. Berkeley. 1,542,042; June 16.
Rail anchor. H. G. Warr. 1,542,114; June 16.
Rail anchor, Boltless. A. J. Cook. 1,542,669; June 16.
Rail construction, Guard-. G. F. Blair. 1,542,028; June 16.
Rail-sanding device. C. C. Farmer. 1,541,934; June 16.
Rails, Apparatus for handling. W. T. Drake. 1,542,043; June 16.
Rails, Device for smoothing or dressing. G. Odum. 1,541,995; June 16.
Railway and other journal bearings, Application of Babbitt and lining metals to the surface of. G. R. Coleman. 1,542,338; June 16.
Railway draft appliance. W. J. Regan and E. George, jr. 1,542,727–8; June 16.
Railway or other vehicles, Coupling for. W. G. Boonzaier. 1,542,211; June 16.
Railway tie and rail-fastening means. K. E. Boyd. 1,542,660; June 16.
Rat trap, Electrocuting. G. A. Marquis. 1,541,985; June 16.
Razor-blade stropper, Safety-. G. D. Gallagher. 1,542,382; June 16.
Receptacle facer. A. H. Phillips. 1,542,316; June 16.
Recoil check, Hydraulic. S. Gobos. 1,542,054; June 16.
Reed for weavers' looms. R. Buschmann. 1,542,609; June 16.
Reel: *See*—
Clothesline reel.
Fishing reel.
Refrigerating cabinet. F. E. Dennison. 1,541,797; June 16.
Refrigerating device. R. B. Musser. 1,542,061; June 16.
Refrigerating machines, Automatic control for. C. Schweinle. 1,542,479; June 16.
Refrigeration. D. B. Knight. 1,541,968; June 16.
Refrigerator. F. D. Pratt. 1,542,723; June 16.
Refrigerator, Vacuum. W. H. W. Hamilton. 1,541,945; June 16.
Regulator: *See*—
Draft regulator.
Thermostatic regulator.
Rerailing device. J. W. Skates. 1,542,737; June 16.
Rheostat. S. E. Jacobs and L. J. Schmehl. 1,541,961; June 16.
Ribbon-shifting mechanism for adding or like machines. B. P. Hayes. 1,542,130; June 16.
Rim, Demountable. C. M. Hauffe. 1,541,949; June 16.
Rim, Demountable. B. Stebelton. 1,542,741; June 16.
Ring: *See*—
Finger ring.
Packing ring.
Piston ring.
Textile ring.
Ring spring. P. Phoel. 1,542,087; June 16.
Rivet heater, Electric. J. E. Sederheim. 1,542,008; June 16.
Road-building apparatus. E. D. and W. Bayley. 1,542,356; June 16.
Roads and ways, Construction of. P. J. Larrañaga. 1,541,830; June 16.
Roasting furnace. A. V. Leggo. 1,542,150; June 16.
Robe, Sleeveless one-piece. M. E. Luck. 1,542,622; June 16.
Rock picker and harrow, Combined. B. Cote. 1,542,670; June 16.
Roll trip, Hand and automatic. J. E. Blaine. 1,542,027; June 16.
Roller: *See*—
Inking roller.
Rolling mill. F. C. Biggert, jr. Re16,096; June 16.
Rolling mill. A. V. Rigby. 1,542,349; June 16.
Röntgen-ray examination, Screen for. Å. O. Åkerlund. 1,542,204; June 16.
Rotary engine. L. M. Ellis. 1,542,614; June 16.
Rotary jar. R. M. Pyles. 1,542,319; June 16.
Rubber and articles so produced, Employing water solutions of. E. Hopkinson and W. A. Gibbons. 1,542,388; June 16.
Rubber, Method and apparatus for grinding hard. W. C Hoover and A. Dwyer. 1,542,846; June 16.
Rubber-punching machine. H. O. Stubbs. 1,542,423; June 16.
Safety-brake engine. H. H. Logan. 1,541,883; June 16.
Safety hook. J. F. Moody and V. L. Du Bois. 1,541,991; June 16.
Safety stop, Friction. O. F. Rainbolt. 1,542,519; June 16.
Sales-control apparatus. K. Schember and R. Joksch. 1,542,478; June 16.

Sample case, container, and display structure. L. L. Goodman. 1,542,788; June 16.
Sanitary cover for pillows. B. Laskin and H. J. Biberman. 1,542,561; June 16.
Sanitary toilet-seat covering. H. D. Lewis. 1,542,153; June 16.
Sash lock. M. W. Wragg. 1,542,754; June 16.
Saw, Portable electric. C. B. Hastings. 1,542,127; June 16.
Sawset. E. Nuessle. 1,542,471; June 16.
Scale, Platform. W. H. Taylor. 1,542,109; June 16.
Scale, Weighing. H. O. Hess. 1,542,244; June 16.
Scale, Weighing. E. C. Pool. 1,542,579; June 16.
Scraper, Wheeled. H. Kline. 1,542,908; June 16.
Screen. H. F. Wullstein. 1,541,887; June 16.
Searchlight. A. J. Macy. 1,542,259; June 16.
Seat. L. B. De Muth. 1,542,675; June 16.
Seats, Bracket device for construction of temporary plank. J. H. Hess. 1,542,770; June 16.
Seed and fertilizer scatterer. E. R. Briggs. 1,541,919; June 16.
Seed separator. F. S. Lyman. 1,542,155; June 16.
Self-lubricating spring. A. N. Anthes. 1,542,756; June 16.
Self-tightening bolt. M. M. Moratta. 1,542,467; June 16.
Separator: *See*—
Air separator.
Cream separator.
Dust separator.
Electromagnetic separator.
Fruit-juice separator.
Seed separator.
Separator. W. L. D'Olier. 1,542,288; June 16.
Sewed article and making same. W. Dreiginas. 1,542,678; June 16.
Sewing-machine motors, Mounting for. R. Ehrenfeld. 1,541,802; June 16.
Sewing machines, Thread-trimming device for buttonhole. J. W. Connors. 1,542,784; June 16.
Shackle, Spring. B. W. Traylor. 1,542,190; June 16.
Shade and curtain fixture, Window. E. C. Curtis and G. E. Reynolds. 1,541,904; June 16.
Shade bracket. C. A. Barnes. 1,542,657; June 16.
Sharpener, Disk. C. E. Baker. 1,542,757; June 16.
Sharpener, Shears. J. E. McKinley. 1,541,835; June16.
Sheet gripper. H. W. Sherfy. 1,542,734; June 16.
Sheet-metal-slitting machine. A. J. Townsend. 1,542,424; June 16.
Shingle and making. B. A. Ruess. 1,524,475; June 16.
Shingle strip. A. W. Abbey and C. W. Dohm. Des. 67,565; June 16.
Ship. L. Cammen. 1,542,370; June 16.
Ship propulsion and control means. L. Zeikl. 1,542,540; June 16.
Shipment fastener. W. W. Blakely. 1,542,362; June 16.
Shock absorber. R. M. Gruss. 1,541,943; June 16.
Shock absorber. H. G. Hooper. 1,541,957; June 16.
Shock absorber. V. Lancia. 1,542,511; June 16.
Shock absorber for bed bottoms and the like. B. F. Early. 1,541,900; June 16.
Shock support, Temporary. T. Lewis. 1,542,066; June 16.
Shoe. F. M. Bohr. Des. 67,572; June 16.
Shoe for foundrymen and the like. R. H. Guerrant. 1,542,502; June 16.
Shoe machine, Automatic. E. J. Prindle. 1,542,091; June 16.
Shoe or ankle ornament. R. A. Thompson. 1,542,189; June 16.
Shoe rack. B. G. Sherman. 1,542,181; June 16.
Shoe, Running. B. J. Craig. 1,542,671; June 16.
Shoe-shining machine. P. Reninciasa. 1,542,659 June 16.
Shoe tree. E. D. Small. 1,542,419; June 16.
Shoe-upper materials, Shaping. E. A. Holmgren. 1,541,815; June 16.
Shoe uppers, Machine for treating. N. H. Knowlton. 1,541,824; June 16.
Shoes, Machine for and method of lasting. E. W. Varney. 1,541,875; June 16.
Shoes, Machine for use in the manufacture of. E. E. Winkley. 1,541,884; June 16.
Shoes, Method and apparatus for treating. F. M. Farber. 1,541,807; June 16.
Shorthand machine. E. Howard. 1,542,455; June 16.
Shuttle. E. L. Greene. 1,542,237; June 16.
Shuttle-threading device. L. A. Caderet. 1,542,214; June 16.
Siemens-Martin furnace. P. Ostendorf. 1,541,843; June 16.
Signal: *See*—
Automobile direction signal.
Automobile signal.
Theft signal.
Signal. L. E. Jones. 1,542,555; June 16.
Signal. C. Weber. 1,542,749; June 16.
Signaling, Secret. R. C. Mathes. 1,542,585–7; June 16.
Signaling system, Wave. E. H. Armstrong. 1,541,780; June 16.
Skate, Roller. C. Hass. 1,542,239; June 16.
Skate wheel. A. H. Shoemaker. 1,542,103; June 16.
Slack adjuster. C. C. Farmer. 1,541,935; June 16.
Slicing machine. W. B. Wolff. 1,541,885; June 16.
Slipper. M. Greenblatt. 1,542,236; June 16.
Slub catcher. J. O. McKean. 1,542,399; June 16.
Smoker's set. C. H. Lehman. Des. 67,605; June 16.
Snowshoe. J. F. Foster. 1,542,496; June 16.
Soap. R. E. Divine. 1,542,438; June 16.
Soap dish, Projecting. R. E. Jordan. Des. 67,600; June 16.
Soap holder and grab rail, Combination. R. E. Jordan. Des. 67,601; June 16.
Socket for legs or standards or the like, Wrought-metal. G. A. Bryan. 1,542,367; June 16.
Socket, Rod. D. W. Bowe. 1,541,917; June 16.
Socket wrench. W. D. McKeon. 1,542,071; June 16.
Soldering the seams of metallic bodies. J. Breusinger. 1,542,664; June 16.
Sole and heel, Detachable half. L. Robidoux. 1,542,174; June 16.
Soles in the manufacture of shoes, Attaching uppers to. A. Bates. 1,541,783; June 16.
Sound amplifier. C. W. Taylor. Des. 67,624; June 16.
Sound-locating device. A. McNab. 1,541,836; June 16.
Spark plug. W. A. Heide. 1,542,504; June 16.
Spark plug. L. and T. L. Morrison. 1,542,631; June 16.
Spark plug. C. E. Parkerton. 1,542,268; June 16.
Speed governor. T. J. Murphy. 1,542,080; June 16.
Spinning and piecing apparatus. B. Loewe. 1,542,620; June 16.
Spinning-machine rollers, Device for indicating spring pressure upon. W. J. and A. Fouracre. 1,542,049; June 16.
Spool. R. K. Clark. 1,542,611; June 16.
Spraying apparatus. L. B. Le Duke. 1,542,809; June 16.
Spraying device. A. Costa. 1,541,794; June 16.
Spring: *See*—
Locking spring.
Ring spring.
Self-lubricating spring.
Spring. H. W. Sanford. 1,542,179; June 16.
Spring, Antifriction insert for. A. V. Gullborg. 1,542,055; June 16.
Springs, Mounting for auxiliary. B. B. Holmes. 1,542,773; June 16.
Sprinkler: *See*—
Lawn sprinkler.
Sprinkler system. A. J. Loepsinger. 1,542,462; June 16.
Stacker tooth point, Automatic. H. C. Johnson. 1,542,698; June 16.
Stage, Rotary. M. Hasait. 1,542,289; June 16.
Stapling machine. J. B. Crofoot. 1,542,340; June 16.
Stapling machine. R. J. Holshausen. 1,541,956; June 16.
Steam distribution and condensation control, System of. W. H. Rose. 1,542,100; June 16.
Steel sheets, Pickling. J. T. Hay. 1,542,451; June 16.
Steering device. C. L. Craig. 1,542,436; June 16.
Steering gear, Automobile. A. Sweitzer. 1,542,744; June 16.
Stem handle. H. E. McKee. 1,542,070; June 16.
Step, Disappearing. C. H. Vogel. 1,542,113; June 16.
Sterilizers and like apparatus, Base for towel. G. Albanese. 1,541,777; June 16.
Stool and the like, Folding. R. Joseph. 1,542,700; June 16.
Stool, Milking. J. Peters. 1,542,518; June 16.
Stopper: *See*—
Dispensing stopper.
Storage battery terminal posts, Apparatus for and method of applying cross connecters to. W. B. Pettibone. 1,542,405; June 16.
Storage plant. C. B. Foster. 1,542,880; June 16.
Stone. W. B. Kimmel. 1,542,146; June 16.
Stove, Brooder. P. W. Runyan. Des. 67,615–16; June 16.
Stove-pipe connection. G. H. Hornbeck. 1,542,553; June 16.
Strap: *See*—
Carrier strap.
Strip feeding, cutting, and delivering mechanism. E. L. Smith. 1,542,104; June 16.
Sucker rods, Elevator for. J. B. Martin. 1,541,986; June 16.
Suction cleaner. A. H. Bates. 1,542,597; June 16.
Surgical light, Portable. H. R. Simpson. 1,542,011; June 16.
Swaging tool. J. S. Maxwell and R. H. Rothrock. 1,542,160; June 16.
Switch: *See*—
Electric snap switch.
Electrical switch.
Electromagnetic switch.
Push-button switch.
Telephone switch.
Switchboard, Battery-charging. J. P. Gantt. 1,542,229; June 16.
Syringe. J. W. B. Ladd. 1,542,777; June 16.
Syringe, Warm-air. T. F. O'Neill. 1,542,472; June 16.
Table: *See*—
Feeding table.
Folding table.
Ironing table.
Table. S. Gordon and N. Eckstein. 1,542,693; June 16.
Tag, Automobile. H. E. Hagan. 1,542,551; June 16.
Tank: *See*—
Germicide tank.
Tank. I. B. Tanner. 1,542,188; June 16.
Tank-discharge controlling device. R. Conrader. 1,542,036; June 16.
Tape transmitter. W. C. Peterman. 1,542,779; June 16.
Telautograph apparatus. A. V. T. Day. 1,542,038; June 16.
Telegraph circuits, Single polar. E. F. Watson. 1,541,878–81; June 16.

Telegraph signals by means of vacuum tubes, Device for repeating-alternating current. J. P. Ferriter and W. H. Johnson. 1,542,546; June 16.
Telephone attachment, Dial. J. K. Burgess. 1,541,786; June 16.
Telephone exchange testing system. J. B. Retallack. 1,542,413; June 16.
Telephone instrument. H. F. Dobbin. 1,542,377; June 16.
Telephone instrument. J. S. Timmons. 1,542,746; June 16.
Telephone receiver, Loud-speaking. G. R. Lum. Des. 67,608; June 16.
Telephone switch, Automatic. C. D. Richard. 1,542,414; June 16.
Telephone system. W. F. Davidson. 1,541,926; June 16.
Telephone system, Automatic. A. E. Hague. 1,542,383; June 16.
Telephone system, Electromechanical. F. Aldendorff. 1,541,779; June 16.
Telephone system, Measured-service automatic. P. C. Smith. 1,542,105; June 16.
Telephone system, Multioffice. B. D. Willis. 1,542,649; June 16.
Telephone transmitter. H. L. Falk. 1,542,685; June 16.
Tennis racket and the like. W. A. Larned. 1,541,828–9; June 16.
Tennis racket and the like. R. Rose. 1,542,177; June 16.
Tennis rackets and the like, Container for. R. S. Blair. 1,541,895; June 16.
Tension device. J. D. Beatty. 1,542,487; June 16.
Tent. F. M. Stoll. 1,542,184; June 16.
Textile fabric. E. Cocking. Des. 67,579–80; June 16.
Textile fabric. M. Klein. Des. 67,902; June 16.
Textile fabric or similar article. J. E. Emerson. Des. 67,585–7; June 16.
Textile fabric used for draperies. J. W. Montague. Des. 67,611; June 16.
Textile fabrics, Method and apparatus for printing. E. Cadgène and G. Dupont. 1,541,787; June 16.
Textile materials, Finishing. G. G. U. M. Mairesse. 1,542,795; June 16.
Textile ring, Self-lubricating. S. S. Gordon. 1,542,500; June 16.
Theft signal. J. T. Wilsen. 1,542,201; June 16.
Theodolite with compass. A. König. 1,542,397; June 16.
Thermionic cathode and making the same. J. E. Harris. 1,542,885; June 16.
Thermoelectric indicator. R. N. Riblet. 1,542,096; June 16.
Thermometric analysis, Industrial apparatus for. P. Chevenard. 1,542,216; June 16.
Thermostatic cell. E. C. Post. 1,542,088; June 16.
Thermostatic circuit closer. W. K. Pinnell. 1,542,722; June 16.
Thermostatic regulator. E. W. Comfort and A. W. Thompson. 1,542,033–4; June 16.
Thread cutter, Intermittently-operated temple. A. E. Rhoades. 1,542,729; June 16.
Threshold. H. C. Maise. 1,541,837; June 16.
Thumber, Automatic. J. Mason and H. Mueller. 1,542,628; June 16.
Tide and current motor. M. Kimble. 1,542,252; June 16
Tie holder. S. A. Spaziante. 1,542,182; June 16.
Tightening cot or the like, Automatic. M. R. Marston. 1,542,260; June 16.
Tile, Drainage. J. W. Brennan. 1,541,918; June 16.
Timber clamp. P. E. Coleman. 1,542,339; June 16.
Timer. A. S. Goldstein and A. P. Davis. 1,541,941; June 16.
Timer. N. J. C. Lester. 1,541,975; June 16.
Tins, cans, cartons, and the like, Device for opening. J. D. Mitchell. 1,542,075; June 16.
Tire carrier and bumper, Combination. J. G. Sutherland. 1,542,107; June 16.
Tire-chain carrier. L. Penwell. 1,542,719; June 16.
Tire-chain tool. M. H. Massuere. 1,542,629; June 16.
Tire-changing device. M. L. Heincke. 1,542,133; June 16.
Tire, Cushion. R. M. Pierson. Des. 67,614; June 16
Tire lock. J. G. King. 1,542,060; June 16.
Tire mold. T. Midgley. 1,542,797–802; June 16.
Tire rim, Collapsible. J. M. Meredith. 1,542,630 June 16.
Tire-strapping press. J. W. Leslie. 1,542,255; June 16.
Tires with recesses filled with air under pressure, Manufacturing elastic. C. E. Veil-Picard. 1,542,701; June 16.
Tongs. W. L. Bessole. 1,542,359; June 16.
Tool, Combination. C. S. Anderson. 1,542,652; June 16.
Tool holder. M. A. Gowing. 1,542,694; June 16.
Tooth, Artificial. L. H. Sprinkle. 1,542,535; June 16.
Tooth-cleaning implement. W. F. Heinzelmann. 1,542,243; June 16.
Torch, Welding. A. Gans. 1,542,230; June 16.
Torpedo. A. T. Hall. 1,542,284; June 16.
Towing tongue. W. D. Henry. 1,542,769; June 16.
Toy. F. Zanfagna. 1,542,283; June 16.
Toy aeroplane. A. Weber. 1,542,197; June 16.
Toy automobile. P. G. Salom, jr. Des. 67,617; June 16.
Toy bed or similar article. H. B. Meyer. Des. 67,610; June 16.
Toy, Calisthenic. P. Esser. 1,542,045; June 16.
Toy, Gyrating. W. P. Schortmann. 1,542,781; June 16.
Toy, Jumping. O. P. Spilman. 1,542,012; June 16.
Toy pistol. R. E. Reardon. 1,542,520; June 16.
Toy railway cars, Truck for. H. C. Ives. 1,542,189; June 16.
Toy savings bank. H. Hermani. 1,541,953; June 16.
Toy-train tracks, Electrical connector for. L. Caruso. 1,542,337; June 16.
Track and making same, Portable flexible. S. D. Locke. 1,541,832; June 16.
Track scales, Weatherproof rail stand for. J. W. Orrock. 1,542,166; June 16.
Traction device. J. A. Landry. 1,542,149; June 16.
Traction wheel. L. W. Anthony. 1,542,206; June 16.
Tractor chain. D. P. Owens. 1,542,715; June 16.
Tractor cultivator. S. W. Raymond. 1,542,094; June 16.
Tractor drawbar. W. R. Prillpp and J. T. Griggs. 1,542,521 June 16.
Tractor hitch, Adjustable. S. W. Raymond. 1,542,093; June 16.
Tractor hitch, Horizontal and vertical. J. M. Highducheck. 1,541,812; June 16.
Tractors, Tamping grouser for. V. A. Van Horn. 1,542,537; June 16.
Traffic signal for street crossings. J. W. Lowther. 1,541,979; June 16.
Traffic-signal mechanism, Automatic. C. H. Kayser. 1,542,395; June 16.
Train-control drive mechanism. C. C. Farmer. 1,541,983; June 16.
Train-stopping apparatus, Automatic. J. A. Gramm. 1,542,297; June 16.
Trains, Brake system for vehicle. J. S. Reynolds. 1,542,173; June 16.
Transformer. W. L. Casper. 1,542,372; June 16.
Transformer housing and mounting means. E. C. Boecher. 1,542,600; June 16.
Transformers, Core of. Y. Katsumoto. 1,542,144; June 16.
Transmission. A. Ziaka, jr. 1,542,806; June 16.
Transmission device. C. W. Weiss. 1,541,882; June 16.
Transmission ropes, Trip device for preventing breakage of. S. Tembey. 1,542,110; June 16.
Transplanting pot. J. M. Everett. 1,542,683; June 16.
Trap: *See*—
Lobster trap. Rat trap.
Moisture trap.
Trap. J. L. Dale. 1,542,673; June 16.
Trap. E. Sands. 1,541,855–6; June 16.
Trap nest. W. R. Luts. 1,541,962; June 16.
Tray, Ash. M. S. Yassukovitch. 1,542,765; June 16.
Tree: *See*—
Shoe tree.
Trench machine. W. G. and O. R. Humphreys. 1,541,818; June 16.
Trolley shoe. J. F. O'Neal. 1,542,572; June 16.
Truck. T. J. Alexander. 1,542,023; June 16.
Truck, Cotton-picker's. J. L. Asbill. 1,541,888; June 16.
Truck, Hand. H. C. Slingsby. 1,542,827; June 16.
Trucks, Wheel for roller-bearing dry-kiln. H. B. Gillette. 1,541,940. June 16.
Trunk lock. M. Rasmussen. 1,542,092; June 16.
Trunks, Garment-hanger-supporting mechanism for wardrobe. W. H. Harrison. 1,542,298; June 16.
Truss. I. M. Pease. 1,542,717; June 16.
Tube; *See*—
Collapsible tube.
Tumbler holder, Projecting. R. E. Jordan. Des. 67,599; June 16.
Turbine. A. Swarocski. 1,542,536; June 16.
Turbine, Axial. F. Lösel. 1,541,834; June 16.
Turbine, Elastic-fluid. H. A. Meissner. 1,542,402; June 16.
Turbine, Marine. F. Hodgkinson. 1,542,458; June 16.
Turbines, Nozzle-control mechanism for steam. H. T. Herr. 1,542,387; June 16.
Typewriting machine. J. A. B. Smith. 1,541,864; June 16.
Typewriting machine. J. Waldheim. 1,542,194; June 16.
Underreamer. W. F. Shutt. 1,542,786; June 16.
Universal joint. W. G. Griffeth. 1,542,238; June 16.
Uppers over lasts, Machine for working. B. Jorgensen. 1,541,820; June 16.
Uppers over lasts, Machine for working. W. T. B. Roberts. 1,541,852; June 16.
Vacuum-cleaning tools, Brush attachment for. E. R. Field. 1,541,804; June 16.
Vacuum-feed device. A. Kueny. 1,542,509; June 16.
Vacuum insulated terminal. W. G. Housekeeper and W. E. Brough. 1,542,389; June 16.
Vacuum-tube base. W. E. Brough. 1,542,388; June 16.
Vacuum-tube design. R. V. L. Hartley. 1,542,386; June 16.
Valve. L. D. Collar. 1,542,612; June 16.
Valve. F. Sette. 1,542,102; June 16.
Valve. C. E. Strickland. 1,542,015; June 16.
Valve, Air. L. W. Eggleston. 1,541,929–30; June 16.
Valve, Automotive brake-control. J. E. Bartholomew. 1,541,813; June 16.
Valve, Closet-tank. J. Renner. 1,542,821; June 16.
Valve, Coke-oven gas-main. H. Koppers. 1,542,065; June 16.
Valve-controlling device, Automatic. E. Scharl. 1,542,417; June 16.
Valve, Diaphragm. F. Horawa. 1,541,958; June 16.

Valve, Diaphragm. H. W. Partlow. 1,542,517; June 16.
Valve for drinking fountains, Supply. P. Mueller and A. C. Schuermann. 1,542,570; June 16.
Valve for inner tubes. J. M. Kirkpatrick. 1,542,704; June 16.
Valve for sterilizing apparatus. G. S. Mascall. 1,541,987; June 16.
Valve lifter. A. A. Kerch. 1,541,822; June 16.
Valve lock. R. E. Durang. 1,541,801; June 16.
Valve lock for gasoline conduits. M. Kromp and S. Jaloszynski. 1,541,970; June 16.
Valve mechanism. F. M. Guy and O. D. Heavenrich. 1,542,617; June 16.
Valve mechanism for internal-combustion engines. A. Willenbrock. 1,542,792; June 16.
Valve, Mixing. P. Mueller and A. C. Schuermann. 1,542,571; June 16.
Valve operating mechanism. C. B. Fuller. 1,542,787; June 16.
Valve-spring compressor. M. C. Morgan. 1,542,078; June 16.
Valve, Thermostatically-controlled. A. B. Paige. 1,542,573; June 16.
Valve, Turbine bleeder. J. L. Moore. 1,542,162; June 16.
Valves, Reversing mechanism for. O. Hively. 1,542,452; June 16.
Vase, Ground. R. B. McGowan. 1,541,983; June 16.
Vehicle bodies, Oven for treating. R. A. Kauffman. 1,542,145; June 16.
Vehicle, Motor. E. E. Evans. 1,541,803; June 16.
Vehicle, Motor. L. F. Jordan. 1,541,985; June 16.
Vehicle wheel. A. F. Kelly. 1,542,058; June 16.
Vehicle wheel. F. L. Minnick and H. E. Dean. 1,542,076; June 16.
Vehicle wheel. J. H. Sparks. 1,541,887; June 16.
Vehicles and the like, Fluid-clutch transmission for motor. V. Carter. 1,542,215; June 16.
Vehicles, Circuit breaker for motor. C. L. Gedney. 1,542,051; June 16.
Vehicles, Signal device for motor. F. M. White. 1,542,431; June 16.
Ventilating system. D. E. Ross and J. D. Hoffman. 1,542,178; June 16.
Ventilator. E. T. Spillman. 1,542,740; June 16.
Visor-cover stretching and frame-inserting machine. W. C. Grunow and O. Johnson. 1,542,550; June 16.
Vulcanizing machine. G. S. Barker. 1,542,207; June 16.
Waffle iron or similar article. A. and M. Bersted. Des. 67,570; June 16.
Wagon body, Juvenile. J. Weber. 1,542,429; June 16.
Wall brackets, Device for supporting electric. R. Caroselli. 1,542,032; June 16.
Wall structure, House-. P. E. Dean. 1,542,286; June 16.
Washing apparatus. W. E. Tunstall. 1,542,018; June 16.
Washing machine. F. A. Adams. 1,542,650; June 16.
Washing machine. G. F. Eddy. 1,542,292; June 16.
Watch, Breast. A. Horvath. Des. 67,598; June 16.
Watch support. G. B. Crapo. 1,542,672; June 16.
Water-closet. W. J. Kirkham. 1,542,703; June 16.
Waterer, Stock. R. J. Peterson. 1,542,270; June 16.
Water heater. E. R. Williams. 1,542,282; June 16.
Water heaters, Thermostat-control for. W. A. Merrick. 1,542,713; June 16.
Water motor. F. Chapman. 1,542,610; June 16.
Waterproof felted compositions, Making. L. Kirschbraun. 1,542,557; June 16.
Water softener and filter. J. E. Caps. 1,541,921; June 16.
Wave communicating system, Carrier-. S. B. Williams, jr. 1,542,121; June 16.
Wave motor. I. M. McNeil. 1,542,464; June 16.
Weather strip for windows. H. A. Taylor. 1,541,873; June 16.
Weather strip, Metal. A. M. Lane. 1,541,972–4; June 16.
Wedge jack. H. H. Lampert. 1,541,971; June 16.
Weirs and the like, Lifting device for movable. G. Lödel. 1,542,461; June 16.
Welding aluminum. S. A. Wiltsie. 1,542,753; June 16.
Well-exploding device. W. J. Cheley and W. F. Bleecker. 1,541,790; June 16.
Wheel: *See*—
Skate wheel. Vehicle wheel.
Traction wheel.
Wheel. E. S. Erhard. 1,542,681; June 16.
Wheels, Gudgeon for bull. M. H. Kotzebue. 1,542,253; June 16.
Wheels of a vehicle, Device for operating the brakes of all the four. G. Dumont; 1,542,290; June 16.
Whistle, Musical. W. Kraglel. 1,542,147; June 16.
Wind motor, Automatic. S. Zgliczynski. 1,542,433; June 16.
Winding machine. E. J. Kozak. 1,541,969; June 16.
Windshield protectors, Shade for. O. O. Greenwood. 1,541,942; June 16.
Wind wheel and making. A. M. Samour. 1,542,324; June 16.
Window. J. Coupland. 1,542,378; June 16.
Window and regulator coupling. E. E. Heintz. 1,542,134; June 16.
Window cleaner. W. R. Turner and A. V. Snedeker. 1,542,279; June 16.
Window frame, Metal. A. F. Fromhold. 1,542,786; June 16;
Window-glass apparatus. W. Westbury. 1,542,118; June 16.
Window, Grid. P. Liese. 1,542,564; June 16.
Window-sash channel. E. E. Heintz and T. P. Archer. 1,541,951; June 16.
Window-screen fastener. S. I. Patton. 1,542,269; June 16.
Wire and like flexible strip material, Supply reel for feeding coiled. W. N. Stevenson. 1,542,485; June 16.
Wire-drawing block, Reenforced-. C. H. Oslund. 1,542,714; June 16.
Wood, Process and device for making form pieces of. F. Pfleumer. 1,542,576; June 16.
Work rest, Following. J. L. Schmidling. 1,542,418; June 16.
Wrapping machine. G. W. Prouty. 1,542,474; June 16.
Wrench: *See*—
Adjustable wrench. Socket wrench.
Wrench. A. E. Cariberg. 1,542,336; June 16.
Wrench. G. J. Chamberlain. 1,541,898; June 16.
Wrench. J. Eifel. 1,542,123; June 16.
Wrench. J. D. Franklin. 1,542,228; June 16.
Wrench. R. A. Kennedy. 1,542,307; June 16.
Wrench. C. L. Van Inwagen. 1,542,425; June 16.
Wringer: *See*—
Clothes wringer.
Wringer. C. C. Howe. 1,542,891; June 16.
Wrist-pin mounting. A. Bergeron. 1,542,209; June 16.
Writing machine. C. B. Morgan and R. A. Crooks. 1,541,840; June 16.

CLASSIFICATION OF PATENTS

JUNE 16, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 23: 1,541,966
1,542,340
5.2: 1,541,927
44: 1,542,743
46: 1,542,508
2— 19: 1,542,516
68: 1,541,810
74: 1,542,622
78: 1,541,856
128: 1,542,473
161: 1,542,199
176: 1,542,000
197: 1,542,302
240: 1,542,161
245: 1,542,180
247: 1,542,678
5— 89: 1,541,936
112: 1,542,290
133: 1,542,706
264: 1,541,825
338: 1,542,674
354: 1,542,561
8— 20: 1,542,202
10— 155: 1,541,874
12— 1: 1,541,807
2: 1,541,892
4: 1,541,823
1,541,852
6: 1,541,850
10: 1,541,820
11.1: 1,541,847
12: 1,541,875
17: 1,541,884
1,542,091
20: 1,541,859
51: 1,541,824
97: 1,541,815
125: 1,541,785
128.3: 1,542,419
145: 1,541,783
147: 1,541,870
15— 8: 1,542,597
26: 1,542,650
38: 1,542,026
51: 1,542,262
72: 1,542,680
126: 1,542,279
134: 1,542,333
158: 1,541,804
211: 1,542,108
262: 1,541,896
265: 1,542,141
16— 14: 1,542,761
24: 1,542,231
17— 3: 1,542,196
18— 9: 1,542,119
17: 1,541,996
19: 1,542,207
35: 1,541,939
38: 1,542,707
1,542,708
1,542,800
43: 1,542,191
1,542,799
1,542,801
1,542,802
47.5: 1,542,601
52: 1,542,346
56: 1,541,978
57: 1,542,434
58: 1,541,831
1,541,900
1,542,398
59: 1,542,701
19— 59: 1,542,208
66: 1,542,180
20— 0.5: 1,541,811
1.123: 1,542,209
19: 1,542,206
30: 1,542,224
1,542,450
59: 1,542,373
69: 1,541,873
1,541,972
1,541,973
1,541,974
20— 74: 1,542,481
22— 77: 1,542,336
92: 1,542,643
99: 1,542,630
116: 1,542,641
126: 1,542,537
130: 1,542,636
152: 1,542,640
157: 1,542,225
177: 1,542,643
23— 67: 1,542,684
108: 1,541,808
176: 1,542,486
216: 1,541,910
232: 1,542,242
24— 5: 1,541,923
19: 1,541,896
56: 1,542,533
84: 1,542,706
93: 1,541,936
110: 1,542,325
137: 1,542,208
180: 1,542,246
241: 1,541,991
25— 27: 1,542,751
41: 1,542,497
45: 1,542,739
121: 1,542,021
131: 1,541,917
156: 1,541,999
27— 23: 1,542,699
31: 1,542,725
28— 65: 1,542,899
29— 86.3: 1,541,822
1,542,078
67.1: 1,542,360
98: 1,542,007
30— 3: 1,542,075
1,542,661
31— 4: 1,542,691
37: 1,542,516
32— 9: 1,542,128
1,542,535
33— 27: 1,542,562
147: 1,541,796
175: 1,542,158
178: 1,542,026
200: 1,542,019
34— 6: 1,541,902
12: 1,542,532
19: 1,542,145
26: 1,541,988
30: 1,542,567
1,542,616
46: 1,541,989
48: 1,542,100
35— 1: 1,542,681
4: 1,542,079
9: 1,541,795
36— 12: 1,542,226
26: 1,542,602
42: 1,542,174
45: 1,542,499
80: 1,542,502
88.5: 1,542,331
89: 1,542,671
71: 1,542,210
76: 1,542,460
37— 132: 1,542,808
144: 1,541,818
38— 24: 1,542,767
40— 2: 1,542,551
7: 1,541,908
10: 1,542,061
16: 1,541,899
28: 1,542,289
64: 1,542,789
67: 1,542,378
104: 1,542,738
115: 1,542,742
1,542,743
131: 1,542,619
132: 1,542,603
41— 10: 1,541,982
13: 1,542,432
42— 16: 1,542,477
42— 57: 1,542,520
43— 46: 1,542,404
66: 1,541,791
70: 1,542,673
81: 1,541,855
1,541,856
98: 1,541,985
125: 1,542,175
145: 1,542,430
45— 1: 1,542,495
11: 1,541,838
26: 1,542,509
31: 1,542,138
52: 1,542,274
113: 1,542,693
135: 1,542,271
46— 14: 1,542,324
40: 1,542,542
45: 1,542,045
46: 1,542,147
1,542,197
1,542,288
54: 1,542,804
47— 7: 1,542,688
41: 1,541,983
49— 3: 1,542,305
17: 1,541,906
53: 1,542,116
55: 1,542,013
81: 1,542,588
50— 23: 1,541,966
51— 86: 1,542,382
95: 1,542,624
161: 1,541,865
175: 1,542,667
219: 1,541,920
225: R. 16,098
53— 1: 1,541,799
54— 29: 1,542,176
55— 17: 1,542,670
108: 1,542,466
137: 1,542,750
56— 209: 1,542,126
431: 1,542,066
58— 19: 1,542,275
59— 91: 1,542,490
60— 46: 1,542,384
67: 1,542,162
94: 1,542,544
1,542,545
61— 5: 1,542,500
16: 1,541,918
22: 1,542,461
57: 1,542,037
78: 1,542,498
62— 4: 1,542,479
60: 1,542,525
94: 1,541,998
95: 1,541,797
159: 1,542,735
63— 17: 1,542,087
1,542,245
64— 4.1: 1,542,253
17: 1,542,126
51: 1,542,580
62: 1,542,200
103: 1,542,806
65— 15: 1,542,115
66— 20: 1,541,809
33: 1,542,598
67— 3: 1,542,200
9: 1,541,907
1,542,341
10: 1,542,084
18: 1,542,292
19: 1,542,650
32: 1,542,391
1,542,439
37: 1,542,018
69— 1: 1,542,550
70— 19: 1,542,016
46: 1,542,500
50: 1,542,445
53: 1,542,358
90: 1,542,137
108: 1,542,108
70— 108: 1,542,443
122: 1,542,060
72— 13: 1,542,188
41: 1,542,001
49: 1,542,286
55: 1,542,351
99: 1,542,564
101: 1,542,591
121: 1,542,317
128: 1,542,687
137: 1,541,964
74— 5: 1,542,763
7: 1,541,900
1,542,568
8: 1,542,498
14: 1,542,312
1,542,313
1,542,314
1,542,400
1,542,459
1,542,679
16: 1,542,040
26: 1,541,802
1,541,882
34: 1,542,701
38: 1,542,254
39: 1,542,053
53: 1,542,668
54: 1,542,464
1,542,486
79: 1,542,435
1,542,022
75— 1: 1,542,232
1,542,233
18: 1,542,350
45: 1,542,440
76— 61: 1,542,471
82: 1,541,835
85: 1,542,757
101: 1,541,911
107: 1,542,047
80— 34: R. 16,097
54: R. 16,096
56: 1,542,349
81— 60: 1,542,071
62: 1,541,896
64: 1,542,167
67: 1,542,359
86: 1,542,128
1,542,226
90: 1,542,425
121: 1,542,336
150: 1,542,307
179: 1,542,201
83— 2: 1,542,418
19: 1,542,868
84— 26: 1,542,164
40: 1,542,050
44: 1,541,948
56: 1,541,887
1,542,627
71: 1,541,915
84— 477: 1,542,029
85— 30: 1,542,261
32: 1,542,467
87— 5: 1,542,436
88— 1: 1,542,318
2.2: 1,542,534
2.6: 1,542,397
17: 1,542,410
18.4: 1,542,409
18.7: 1,542,408
27: 1,542,120
56: 1,542,112
89— 1: 1,541,981
91— 13: 1,542,482
43: 1,542,654
45: 1,541,794
67.8: 1,542,221
98— 3: 1,541,922
40: 1,542,557
92— 43: 1,542,256
49: 1,541,928
70: 1,541,977
93— 1: 1,541,992
5: 1,542,781
1,542,782
54: 1,542,444
94— 22: 1,541,830
48: 1,542,356
95— 86: 1,542,730
94: 1,542,530
96— 11: 1,541,792
13: 1,542,454
97— 47: 1,541,955
1,542,094
107: 1,542,364
133: 1,542,009
154: 1,542,376
165: 1,542,733
201: 1,541,894
98— 4: 1,542,740
26: 1,542,235
1,542,721
27: 1,542,178
99— 18: 1,541,994
100— 20: 1,541,901
24: 1,542,268
31: 1,542,255
41: 1,542,322
57: 1,542,010
1,542,022
101— 32: 1,542,795
1,542,796
49: 1,542,577
94: 1,542,222
1,542,228
114: 1,541,806
127: 1,541,787
131: 1,542,633
140: 1,541,800
267: 1,542,632
1,542,644
352: 1,542,027
385: 1,542,315
408: 1,542,734
413: 1,541,932
103— 3: 1,542,543
4: 1,541,790
26: 1,542,169
103— 42: 1,541,996
179: 1,542,248
218: 1,542,780
220: 1,542,599
236: 1,542,509
104— 1: 1,541,995
41: 1,542,357
200: 1,541,892
271: 1,542,737
105— 117: 1,541,933
163: 1,541,782
208: 1,542,139
231: 1,542,116
277: 1,541,784
106— 31: 1,542,615
107— 12: 1,542,348
28: 1,541,990
1,542,287
121— 70: 1,542,614
122— 42.6: 1,542,295
169: 1,542,219
165: 1,542,282
123— 25: 1,542,201
1,542,353
33: 1,542,003
47: 1,542,448
50: 1,542,522
1,542,578
53: 1,542,697
63: 1,542,677
73: 1,542,277
74: 1,542,463
78: 1,542,056
79: 1,542,476
80: 1,542,765
81: 1,542,617
90: 1,542,354
119: 1,542,665
121: 1,541,851
124: 1,542,111
146.5: 1,542,051
169: 1,542,268
1,542,504
1,542,631
190: 1,542,792
124— 7: 1,542,159
26: 1,542,762
125— 8: 1,542,494
11: 1,542,343
126— 9: 1,542,146
40: 1,542,212
55: 1,542,417
202: 1,542,227
314: 1,542,480
343.5: 1,541,849
1,542,653
350: 1,542,341
1,542,696
361: 1,541,777
128— 106: 1,542,717
231: 1,542,777
257: 1,542,472
258: 1,542,276
129— 16: 1,542,585
130— 18: 1,542,155
131— 51: 1,541,841
1,541,891
1,542,755
132— 32: 1,542,014
92: 1,542,343
134— 1: 1,542,085
1,542,626
40: 1,542,790
65: 1,541,860
135— 4: 1,542,184
136— 113: 1,542,705
166: 1,542,676
137— 30: 1,542,200
21: 1,541,987
68: 1,542,036
78: 1,542,030
104: 1,542,321
148: 1,542,452
153: 1,542,517

127— 188: 1,542,357	175— 298: 1,542,229	200— 26: 1,541,975
139— 80: 1,541,959	338: 1,541,814	32: 1,542,635
166: 1,542,698	356: 1,542,144	60: 1,541,877
192: 1,542,609	361: 1,542,373	64: 1,542,154
207: 1,542,237	177— 7: 1,541,954	67: 1,542,310
228: 1,542,214	311: 1,542,077	87: 1,542,709
232: 1,542,772	339: 1,542,017	1,542,768
266: 1,542,729	1,542,555	97: 1,542,398
314: 1,542,326	337: 1,542,431	106: 1,541,998
284: 1,542,589	351: 1,542,096	133: 1,542,604
140— 110: 1,542,086	178— 2: 1,541,878	1,542,605
141— 9: 1,542,041	1,541,879	1,542,606
142— 17: 1,542,426	1,541,880	135: 1,542,607
143— 72: 1,542,127	1,541,881	1,542,608
144— 309: 1,542,570	17: 1,542,779	139: 1,542,723
146— 8: 1,542,353	19: 1,542,098	150: 1,542,501
1,542,470	60: 1,542,524	170: 1,451,857
6: 1,542,554	66: 1,542,525	201— 55: 1,541,981
81: 1,542,527	70: 1,542,546	57: 1,541,817
102: 1,541,985	179— 1: 1,541,920	204— 1: 1,542,540
196: 1,542,347	1,542,565	5: 1,541,947
148— 8: 1,542,451	1,542,566	64: 1,542,378
149— 4: 1,541,819	1,542,567	1,542,563
19: 1,542,447	9: 1,542,105	1,542,716
150— 34: 1,542,788	15: 1,542,121	205— 20: 1,542,714
35: 1,542,124	18: 1,541,779	206— 7: 1,542,420
151— 25: 1,542,347	1,542,261	44: 1,542,255
1,542,446	1,542,333	57: 1,542,153
26: 1,542,075	27: 1,542,649	206— 45: 1,541,998
29: 1,541,983	27.5: 1,542,414	173: 1,542,229
32: 1,542,682	30: 1,541,786	181: 1,542,108
152— 12: 1,542,064	114: 1,542,746	184: 1,542,496
1,542,704	122: 1,541,836	210— 16: 1,542,187
14: 1,542,686	124: 1,542,085	18: 1,542,186
1,542,719	158: 1,542,377	34: 1,541,921
51: 1,542,058	171: 1,541,780	58: 1,542,666
153— 40: 1,542,355	175: 1,542,413	70: 1,542,747
65: 1,542,592	180— 5: 1,542,625	74: 1,542,771
79: 1,542,160	17: 1,542,089	201: 1,542,288
154— 28: 1,542,559	22: 1,541,958	211— 2: 1,541,863
1,542,759	44: 1,542,558	13: 1,542,320
45: 1,542,427	183— 34: 1,542,437	14: 1,542,181
155— 2: 1,542,770	44: 1,542,234	15: 1,542,208
26: 1,542,508	48: 1,542,520	17: 1,542,182
179: 1,542,675	75: 1,542,550	24: 1,542,672
156— 24: 1,541,904	184— 7: 1,542,311	213— 62: 1,542,727
1,542,657	58: 1,542,044	1,542,728
187— 1: 1,542,133	108: 1,541,906	65: 1,542,726
158— 4: 1,542,394	107: 1,542,311	1,542,707
20: 1,542,760	185— 9: 1,542,002	127: 1,542,304
36: 1,542,758	39: 1,541,976	146: 1,542,305
36.3: 1,542,531	187— 78: 1,542,519	1,542,306
53: 1,542,708	188— 3: 1,542,173	214— 1: 1,542,149
63: 1,542,585	78: 1,542,135	16: 1,542,389
65: 1,542,142	80: 1,542,054	106: 1,542,390
76: 1,542,294	106: 1,542,390	187: 1,542,080
77: 1,541,946	187: 1,542,080	203: 1,541,985
1,542,379	236: 1,541,914	240: 1,542,185
81: 1,542,326	236: 1,541,914	1,542,186
92: 1,541,786	240: 1,542,185	215— 47: 1,541,961
1,542,528	189— 7: 1,542,208	217— 5: 1,542,723
168: 1,542,491	24: 1,542,507	60: 1,541,872
117.5: 1,542,171	46: 1,542,443	218— 12: 1,541,846
164— 6.6: 1,542,424	75: 1,542,786	219— 3: 1,541,924
22: 1,542,422	76: 1,541,951	7: 1,542,753
68: 1,542,104	190— 8: 1,542,700	8: 1,542,703
94: 1,542,711	191— 32: 1,542,357	12: 1,542,664
100: 1,542,097	59.1: 1,542,572	13: 1,542,098
166— 19: 1,542,776	192— 15: 1,542,057	19: 1,542,320
167— 2: 1,541,967	59: 1,542,215	25: 1,542,210
7: 1,542,006	60: 1,542,308	32: 1,542,752
1,542,513	107: 1,541,883	220— 9: 1,541,945
169— 30: 1,542,462	120: 1,542,110	43: 1,541,854
170— 36: 1,542,433	134: 1,542,708	96: 1,542,388
96: 1,542,252	193— 40: 1,542,651	221— 60: 1,542,552
115: 1,542,610	194— 84: 1,541,984	94: 1,542,584
163: 1,542,083	195— 1: 1,541,789	222— 4: 1,542,126
173: 1,542,412	13: 1,541,912	222— 31: 1,541,997
171— 225: 1,542,493	196— 110: 1,542,089	224— 5: 1,552,153
313: 1,542,261	1,542,090	29: 1,542,342
172— 238: 1,542,426	121: 1,541,905	1,542,807
173— 250: 1,542,680	197— 9: 1,542,456	226— 5: 1,541,951
273: 1,542,074	17: 1,541,840	17: 1,542,316
334: 1,541,798	127: 1,541,864	228— 64: 1,542,775
174— 177: 1,542,133	186: 1,542,194	229— 15: 1,542,026
175— 294: 1,541,813	199— 19: 1,542,774	230— 5: 1,542,140
1,541,957	200— 24: 1,541,941	13: 1,542,300

230— 27: 1,542,821	253— 136: 1,542,536	260— 94: 1,542,744
233— 4: 1,541,968	254— 2: 1,542,132	98.2: 1,542,511
17: 1,542,317	78: 1,542,630	106: 1,542,510
233— 47: 1,542,401	94: 1,542,696	106.5: 1,541,808
234— 11: 1,542,216	100: 1,542,213	153: 1,542,469
235— 1: 1,542,465	102: 1,542,794	166: 1,542,113
60: 1,542,130	108: 1,541,866	179: 1,542,362
70: 1,541,871	104: 1,541,971	261— 19: 1,542,102
236— 10: 1,542,416	255— 19: 1,542,720	263— 1: 1,542,220
33: 1,532,573	37: 1,542,319	57: 1,542,622
35: 1,542,407	72: 1,543,172	63: 1,542,466
42: 1,542,068	77: 1,543,736	264— 13: 1,542,015
44: 1,542,033	257— 43: 1,542,866	265— 30: 1,542,708
1,452,034	119: 1,542,150	80: 1,542,645
1,542,126	132: 1,541,844	98: 1,542,371
46: 1,542,712	136: 1,542,868	124: 1,542,296
63: 1,541,980	1,542,506	188: 1,542,553
237— 79: 1,542,101	140: 1,542,086	188: 1,542,225
238— 19: 1,542,026	241: 1,541,831	267— 80: 1,542,492
243: 1,542,660	262: 1,542,613	96: 1,542,288
250: 1,542,042	258— 98: 1,542,228	266— 1: 1,542,170
1,542,126	144: 1,542,574	R. 16,090
46: 1,542,712	260— 108: 1,542,264	31: 1,542,411
63: 1,541,980	109: 1,542,295	261— 14: 1,541,994
330: 1,542,039	134: 1,542,288	263— 38: 1,542,161
1,542,114	152: 1,542,541	48: 1,542,053
240— 7: 1,542,072	261— 41: 1,542,198	52: 1,542,196
1,542,718	47: 1,542,415	67: 1,542,466
8.4: 1,542,512	116: 1,542,081	90: 1,542,093
8.5: 1,542,011	123: 1,541,833	202: 1,542,260
41: 1,541,842	262— 15: 1,541,843	1,542,754
48.4: 1,542,060	20: 1,542,647	238: 1,541,902
48.6: 1,542,131	43: 1,542,552	268— 56: 1,542,107
52: 1,542,575	44: 1,542,600	1,542,240
53: 1,542,778	48: 1,542,596	1,542,272
61: 1,542,259	1,542,784	1,542,273
62: 1,542,261	266— 1: 1,542,049	1,542,623
73: 1,542,594	6: 1,542,478	284— 20: 1,541,830
85: 1,542,052	27: 1,542,249	26: 1,542,308
128: 1,541,948	48: 1,542,579	83: 1,542,663
242— 6: 1,542,474	62: 1,542,244	93: 1,542,727
84.5: 1,542,626	71: 1,542,109	91: 1,541,986
84.7: 1,542,408	1,542,126	114: 1,542,090
96: 1,542,435	266— 6: 1,542,043	286— 19: 1,542,785
113: 1,542,052	27: 1,542,245	28: 1,541,837
114: 1,542,435	54: 1,541,776	1,542,470
118: 1,542,611	267— 20: 1,542,179	45: 1,541,960
156: 1,541,960	49: 1,542,055	48: 1,542,506
244— 2: 1,541,957	80: 1,542,756	66: 1,542,526
1,542,270	84: 1,541,942	96: 1,541,943
1,542,484	1,542,190	1,542,201
4: 1,542,547	60: 1,541,900	287— 5: 1,541,920
6: 1,541,837	1,542,046	9: 1,542,088
30: 1,541,979	65: 1,542,773	289— 30: 1,542,200
246— 190: 1,542,297	73: 1,542,487	88: 1,542,655
477: 1,542,226	71: 1,542,048	91: 1,542,048
247— 1: 1,542,600	268— 4: 1,542,134	96: 1,541,798
26: 1,542,421	271— 2.5: 1,542,120	301— 22: 1,541,949
248— 1: 1,542,618	61: 1,542,646	33: 1,542,680
20: 1,542,694	272— 31: 1,542,731	35: 1,542,741
30: 1,542,548	273— 33: 1,542,806	44: 1,542,257
34: 1,542,257	1,542,514	48: 1,542,206
37: 1,542,458	35: 1,542,489	60: 1,541,940
41: 1,542,782	72: 1,541,922	1,542,561
56: 1,542,713	1,541,923	80: 1,542,676
200— 17: 1,542,381	1,542,177	302— 17: 1,542,057
20: 1,541,945	74: 1,541,896	20: 1,542,020
27: 1,542,396	86: 1,542,208	303— 6: 1,542,004
1,542,395	95: 1,542,013	1,542,117
1,542,398	100: 1,541,897	49: 1,541,833
1,542,399	105: 1,542,052	1,542,515
31: 1,542,258	122: 1,541,980	54: 1,541,913
34: 1,542,204	152: 1,542,202	70: 1,542,534
41: 1,542,724	153: 1,541,926	80: 1,542,320
251— 6: 1,541,801	160: 1,542,146	304— 5: 1,542,048
1,541,970	274— 15: 1,542,187	1,542,367
8: 1,542,406	20: 1,542,574	40: 1,542,330
27: 1,542,384	275— 2: 1,541,910	305— 5: 1,541,920
38: 1,542,612	276— 40: 1,542,441	9: 1,542,140
127: 1,542,280	277— 18: 1,542,571	10: 1,541,832
134: 1,542,102	280— 29: 1,541,886	1,542,715
1,542,576	33.10: 1,541,813	306— 29: 1,542,909
144: 1,542,332	33.12: 1,542,581	308— 7: 1,541,791
150: 1,542,070	33.44: 1,542,005	243: 1,542,098
167: 1,542,065	33.55: 1,542,709	
252— 69: 1,541,824	40: 1,542,622	
70: 1,542,458	50: 1,542,337	
77: 1,542,498		

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A/S Firda, Maaloy, Norway. Tinned and preserved fish and meat, fish balls, meat balls, sausage, etc. 199,914; June 23; Ser. No. 204,390; published Apr. 7, 1925.

Acme Brick Company, Fort Worth, Tex. Brick. 200,057; June 23; Serial No. 208,544; published Mar. 31, 1925.

Admiral Tire & Rubber Company. (See Guenther, Arthur A.)

Air Reduction Company, Incorporated, New York, N. Y. Oxyacetylene welding and cutting apparatus. 199,934; June 23; Serial No. 207,221; published Apr. 7, 1925.

Altorfer Bros. Co., East Peoria, Ill. Washing machines. 200,082; June 23; Serial No. 207,643; published Apr. 7, 1925.

American Autoparts Company, Detroit, Mich. Automobile bumpers. 199,921; June 23; Serial No. 205,637; published Mar. 31, 1925.

American Bleached Goods Company, New York, N. Y., Chicago, Ill., and St. Louis, Mo. Cotton goods in the piece. 199,969; June 23; Serial No. 168,327; published July 22, 1924.

American Cellulose & Chemical Manufacturing Company, Ltd., The, New York, N. Y. Knitted, netted, and textile fabrics in the piece. 200,026; June 23; Serial No. 206,175; published Apr. 14, 1925.

American Furnace Company, St. Louis, Mo. Furnaces and heaters. 200,107; June 23.

American Laundry Machinery Company, The, Cincinnati, Ohio. Washing and dry-cleaning machines. 199,896; June 23; Serial No. 182,328; published Sept. 16, 1924.

Amity Leather Products Co., West Bend, Wis. Leather products. 199,982; June 23; Serial No. 200,537; published Mar. 3, 1925.

Arcade File Works, Anderson, Ind. Files and rasps. 48,781; renewed Oct. 10, 1925.

Arcadia French Pastry and Candy Mfg. Co., New York, N. Y. Nut wafers. 200,096; June 23; Serial No. 206,147; published Apr. 14, 1925.

Arnold, F. E., & Co., New York, N. Y. Toilet soap. 199,890; June 23; Serial No. 191,158; published July 1, 1924.

Artsilk Knitting Mills Inc., West New York, N. J. Knitted-artificial-silk fabrics. 199,906; June 23; Serial No. 205,811; published Apr. 14, 1925.

Associated Merchandising Corporation, New York, N. Y. Women's shoes. 199,905; June 23; Serial No. 210,215; published Apr. 14, 1925.

Associated Merchandising Corporation, New York, N. Y. Men's shoes. 200,005; June 23; Serial No. 210,216; published Apr. 7, 1925.

Athletic Tea Company, St. Louis, Mo. Tea, coffee, flavoring extracts, spices, cocoa, etc. 199,971; June 23; Serial No. 164,481; published Apr. 7, 1925.

Automatic Incubator Co., The, Delaware, Ohio. Incubators and brooders. 200,186; June 23.

Autometal Corporation, Niagara Falls, N. Y. Complete receiving sets and parts thereof. 200,015; June 23; Serial No. 209,194; published Apr. 7, 1925.

Badische Anilin- & Soda-Fabrik, Ludwigshafen-on-the-Rhine, Germany. Fertilizers. 199,938–9; June 23; Serial Nos. 207,486–7; published Apr. 14, 1925.

Bartram, Edward E., Los Angeles, Calif. Spinning tops. 200,042; June 23; Serial No. 209,272; published Apr. 14, 1925.

Bass, E. & J., Inc., New York, N. Y. Cigar and cigarette lighting devices. 199,933; June 23; Serial No. 207,118; published Apr. 7, 1925.

Beaver Products Company, Inc., The, Buffalo, N. Y. Plaster. 199,923; June 23; Serial No. 205,728; published Mar. 31, 1925.

Beaver Products Company, Inc., The, Buffalo, N. Y. Finishing plaster. 199,923; June 23; Serial No. 205,729; published Mar. 31, 1925.

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Beaver Products Company, Inc., The, Buffalo, N. Y. Blackboard. 199,981; June 23; Serial No. 201,424; published Mar. 31, 1925.

Becker, Walter G., Philadelphia, Pa. Men's furnishings—viz, bathing suits, bath robes, belts for personal wear, etc. 200,122; June 23; Serial No. 206,180; published Apr. 14, 1925.

Becker, Walter G., Philadelphia, Pa. Men's furnishings. 200,123; June 23; Serial No. 208,686; published Apr. 14, 1925.

Belch, Paul F., Company, Chicago and Bloomington, Ill. Candy. 200,131; June 23; Serial No. 210,084; published Apr. 14, 1925.

Bennett, David A., Chicago, Ill. Preparation for the treatment of the skin. 200,178; June 23.

Bethlehem Shipbuilding Corporation, Ltd., Bethlehem, Pa. Boats and vessels, railroad and other cars, etc. 200,180; June 23.

Birdsey Flour Mills, Macon, Ga. Self-rising wheat flour. 199,915; June 23; Serial No. 204,004; published Apr. 7, 1925.

Birmingham Clay Products Co., Sibleyville and Birmingham, Ala. Fire and building brick. 200,056; June 23; Serial No. 208,556; published Mar. 31, 1925.

Bibbing & Altshuler, Inc., New York, N. Y. Umbrellas, parasols, and canes. 200,103; June 23; Serial No. 210,218; published Apr. 14, 1925.

Blumers, John, & Bros. Inc., New York, N. Y. Cheese. 199,986; June 23; Serial No. 194,430; published Jan. 6, 1925.

Bonwit Teller & Company, New York, N. Y. Suits, coats, dresses, underwear, hats, etc. 200,188; June 23.

Boyd Milling Company, Sharpsville, Pa. Wheat flour. 199,953; June 23; Serial No. 208,276; published Mar. 31, 1925.

Brand, William, & Co., New York, N. Y. Raw mica. 200,172; June 23.

Brunswick-Balke-Collender Company, The, Wilmington, Del., and Chicago, Ill. Billiard and pocket-billiard balls; 200,041; June 23; Serial No. 209,276; published Apr. 14, 1925.

Bull, Fred D., Ithaca, N. Y. Leather shoes. 199,997; June 23; Serial No. 208,092. published Apr. 14, 1925.

Burnham Manufacturing Co., Charles City, Iowa. Coaster wagons. 200,155; June 23.

Buss-Linthicum Thorson, Inc., Chicago, Ill., and New York, N. Y. Watches. 200,029; June 23; Serial No. 207,965; published Apr. 7, 1925.

C. B. C. Film Sales Corporation, New York, N. Y. Moving pictures. 200,182; June 23.

Campbell Gas Engine Company Limited, The, Kingston, Halifax, England. Oil and gas engines. 199,920; June 23; Serial No. 205,049; published Apr. 14, 1925.

Campe Corporation, The, New York, N. Y. Knitted sweaters, hosiery, and knitted underwear. 200,112; June 23; Serial No. 209,974; published Apr. 14, 1925.

Cartlidge, Christopher, doing business as Original Trenton Cracker Company, Trenton, N. J. Crackers. 200,061; June 23; Serial No. 208,697; published Mar. 31, 1925.

Catron & Massingale, Somerset, Ky. Medicine for epilepsy, nervous diseases, etc. 200,185; June 23.

Caumont, Leon F., doing business as The Kemolene Company, New York, N. Y. Remedy for rheumatism and a reconstructive tonic. 200,153; June 23.

Certified Dry Mat Corporation, New York, N. Y. Matrix, dry mat or board. 199,942; June 23; Serial No. 207,553; published Mar. 31, 1925.

Challenge Cream and Butter Association, Los Angeles, Calif. Eggs. 200,066; June 23; Serial No. 208,640; published Apr. 7, 1925.

Champion, Adriana M., doing business as Non-Pareil Cosmetic Co., Wichita, Kans. Antiseptic oil, bandoline, complexion meal, etc. 200,166; June 23.

Cheramy, Inc., New York, N. Y. Perfumes, face powder, etc. 199,950; June 23; Serial No. 208,042; published Mar. 24, 1925.

Cherry City Milling Company, Salem, Oreg. Wheat and pancake flour, cereal breakfast food, poultry and stock feeds. 199,948; June 23; Serial No. 207,615; published Apr. 7, 1925.

Church & Dwight Company, New York, N. Y. Baking soda, saleratus, and baking powder. 46,901; renewed Oct. 17, 1925.

Church & Dwight Company, New York, N. Y. Sal soda. 46,902; renewed Oct. 17, 1925.

Clark Tractractor Company, Buchanan, Mich. Tractors. 200,148; June 23; Serial No. 209,461; published Apr. 7, 1925.

Cleveland Engineering Laboratories Company, The, Cleveland, Ohio. Alternating-current rectifiers, storage batteries, and parts thereof. 200,008; June 23; Serial No. 199,933; published Apr. 7, 1925.

Cleveland Trencher Company, The, Cleveland, Ohio. Trench-digging machines. 200,091; June 23; Serial No. 208,794; published Apr. 14, 1925.

Cluett, Peabody & Co. Inc., Troy, N. Y. Dress and negligee shirts. 200,111; June 23; Serial No. 209,897; published Apr. 14, 1925.

Cocraft, Susanna Laboratories, Inc., New York, N. Y. Face masks and skin-treating appliances. 200,092; June 23; Serial No. 208,898; published Apr. 14, 1925.

Columbus Machine Co., The, Columbus, Ohio. Valves and pipe fittings. 200,175; June 23.

Cope Bros. & Co., Limited, Liverpool and London, England. Smoking tobacco and cigarettes. 200,129–30; June 23; Serial Nos. 210,162–3; published Apr. 14, 1925.

Coppel, Alexander, Solingen, Germany. Hair and beard clippers and neck shavers. 199,940; June 23; Serial No. 207,493; published Apr. 7, 1925.

Couch, Buel, doing business as Kan Eater Co., Sioux City, Iowa. Can openers. 200,090; June 23; Serial No. 208,456; published Apr. 14, 1925.

Crawford Johnson & Co., Birmingham, Ala. Nonalcoholic, maltless, carbonated beverages and sirup for compounding same. 200,039–40; June 23; Serial No. 209,279–80; published Apr. 14, 1925.

Crescent Stove Works, Evansville, Ind. Heating stoves. 200,053; June 23; Serial No. 208,959; published Apr. 7, 1925.

Crosley Manufacturing Company, The, Cincinnati, Ohio. Radio receiving sets and parts thereof. 200,018; June 23; Serial No. 209,077; published Apr. 7, 1925.

Da Lee, Minton L., Oklahoma City, Okla. Tombstones and monuments. 199,946; June 23; Serial No. 207,710; published Mar. 31, 1925.

De Bevoise, Chas. R., Co., Newark, N. J. Brassières. 199,904; June 23; Serial No. 210,046; published Apr. 14, 1925.

Decker, Richard M., Company, Chicago, Ill. Theft-prevention locking devices. 199,930; June 23; Serial No. 206,996; published Mar. 17, 1925.

Delacour & Lewis Corporation, New York, N. Y. Tobacco pipes. 200,012; June 23; Serial No. 209,282; published Apr. 14, 1925.

Delta File Works, Philadelphia, Pa. Files. 200,098; June 23; Serial No. 208,280; published Apr. 14, 1925.

Dow Chemical Company, The, Midland, Mich. Vat dyes. 200,164; June 23.

Drager Fruit Co., Salem, Oreg. Canned prunes. 200,184; June 23.

Dunne, W. H., Co., The, Norwich, N. Y. Canned vegetables, and fish, evaporated milk, condensed milk, etc. 199,919; June 23; Serial No. 205,000; published Apr. 7, 1925.

Duriron Company, Inc., The, Dayton, Ohio. Cast-metal picking crates, jet members, etc., of corrosion-resisting composition. 200,100; June 23; Serial No. 207,233; published Apr. 14, 1925.

Dwyer, John W., Philadelphia, Pa. Athletic wearing apparel. 199,954; June 23; Serial No. 192,068; published Apr. 7, 1925.

Earl & Wilson, Troy, N. Y. Dress, negligee, sport, and undershirts, collars, and cuffs. 200,121; June 23; Serial No. 208,387; published Apr. 14, 1925.

Eastern Steel Castings, Newark, N. J. Steel, iron, and other castings, drop forgings, and cast and forged boiler fittings. 200,099; June 23; Serial No. 206,773; published Apr. 14, 1925.

Eaton Axle and Spring Company, The, Cleveland, Ohio. Axles, springs, and bumpers for vehicles. 199,991; June 23; Serial No. 192,317; published Mar. 31, 1925.

Edinburg Canning Co. (See Naomi Canning Co.)

Edison Citrus Association, Edison, Calif. Fresh oranges. 200,110; June 23; Serial No. 205,819; published Apr. 14, 1925.

Edmonds Shoe Company, Milwaukee, Wis. Leather shoes. 200,006; June 23; Serial No. 209,979; published Apr. 14, 1925.

Eiseman, Samuel, & Co., Inc., New York, N. Y. Prints in the piece. 200,031; June 23; Serial No. 207,658; published Apr. 14, 1925.

Factory Products Distributors, The, Chicago, Ill. Salad dressings. 199,999; June 23; Serial No. 206,662; published Feb. 24, 1925.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 200,078; June 23; Serial No. 209,906; published Apr. 14, 1925.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 200,133; June 23; Serial No. 209,907; published Apr. 14, 1925.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 200,134; June 23; Serial No. 209,904; published Apr. 14, 1925.

Fagersta Bruks Aktiebolag, Fagersta, Sweden. Iron and steel. 200,135–7; June 23; Serial Nos. 209,900–2; published Apr. 14, 1925.

Falk & Rees Chemical Company, Minneapolis, Minn. Hand lotion and camphor cream. 200,167; June 23.

Farquhar, A. B., Company, Limited, York, Pa. Plows, plow stocks, hay presses, grain separators, etc. 200,059; June 23; Serial No. 208,803; published Apr. 14, 1925.

Farwell, John V., Company, Chicago, Ill. Cotton and silk piece goods. 199,902; June 23; Serial No. 196,014; published Apr. 14, 1925.

Field & Flint Co., Boston and Brockton, Mass. Shoes. 199,894; June 23; Serial No. 175,718; published June 5, 1923.

Fishbeck Soap Company, San Francisco, Calif. Soap. 199,898; June 23; Serial No. 191,066; published Apr. 15, 1924.

Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. 199,966; June 23; Serial No. 178,031; published Mar. 31, 1925.

Fitger Company, The, Duluth, Minn. Beverages. 200,052; June 23; Serial No. 209,030; published Apr. 14, 1925.

Fitzpatrick & Draper, Kingston, N. Y. Cigars and cigarettes. 200,154; June 23; Serial No. 209,632; published Apr. 14, 1925.

Fleishhacker Paper Box Co., San Francisco, Calif. Paper boxes and cartons. 199,949; June 23; Serial No. 207,981; published Apr. 14, 1925.

Food Products Ltd., London, England. Flavoring essence, chocolate, pea soup, gruel. 200,171; June 23.

Forstmann & Huffmann Company, Passaic N. J. Woolen piece goods. 199,900; June 23; Serial No. 195,370; published Apr. 14, 1925.

Forstmann & Huffmann Company, Passaic N. J. Woolen piece goods. 199,905; June 23; Serial No. 204,602; published Apr. 14, 1925.

Fox, J. G., doing business as J. G. Fox & Company, Seattle, Wash. Beverages. 200,146; June 23; Serial No. 209,568; Apr. 14, 1925.

Fransblau, Nathan, doing business as Leon Milly Shop, New York, N. Y. Ladies' and misses' hats. 200,006; June 23; Serial No. 209,781; published Apr. 7, 1925.

Fremont Packing Company, Fremont, Nebr. Dressed poultry. 200,077; June 23; Serial No. 210,117; published Apr. 14, 1925.

Funnies, Chicago, Ill. Card games. 200,087; June 23; Serial No. 209,392; published Apr. 14, 1925.

G. & G. Atlas Systems, Inc., New York, N. Y. Pneumatic-tube systems and parts thereof. 200,109; June 23; Serial No. 208,512; published Apr. 14, 1925.

G. S. H. Specialty Company, The, Grand Rapids, Mich. Rakes. 200,095; June 23; Serial No. 201,235; published Apr. 14, 1925.

Galion Iron Works & Mfg. Co., The, Galion, Ohio. Road graders. 200,038; June 23; Serial No. 209,341; published Apr. 7, 1925.

General Storage Battery Co., St. Louis, Mo. Automobile and radio storage batteries. 200,009; June 23; Serial No. 209,647; published Apr. 7, 1925.

Golden Rule Baking Company, The, Kansas City, Mo. Bread. 200,058; June 23; Serial No. 208,807; published Mar. 31, 1925.

Goldsmith, Joseph, jr., doing business as Goldsmith Manufacturing Co., Providence, R. I. Shoe trees. 200,050; June 23; Serial No. 209,083; published Apr. 7, 1925.

Gordon Shirt Company, Chicago, Ill. Work shirts. 199,897; June 23; Serial No. 190,501; published Apr. 14, 1925.

Goudiss, C. Houston, New York, N. Y. Bread. 199,968; June 23; Serial No. 171,018; published Mar. 24, 1925.

Grant, W. T., & Co., Louisville, Ky., assignor to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky. Leaf tobacco. 45,675–7; renewed Aug. 29, 1925.

Grant, W. T., & Co., Lousville, Ky., assignor to The Tobacco Rehandling Co. Ltd., Liverpool, England, and Louisville, Ky. Leaf tobacco. 45,701–3; renewed Aug. 29, 1925.

Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Grape juice. 199,975; June 23; Serial No. 208,267; published Apr. 14, 1925.

Grennan Cake Corporations, now by change of name Grennan Bakeries, Incorporated, Detroit, Mich. Icing preparations, food-flavoring extracts, and baking mixtures for cakes. 199,960; June 23; Serial No. 190,407; published Apr. 7, 1925.

Grumbacher, Max, New York, N. Y. Artists' brushes. 200,173; June 23.

Guenther, Arthur A., doing business as Admiral Tire & Rubber Company, St. Louis, Mo. Automobile tires and inner tubes. 199,963; June 23; Serial No. 186,365; published Jan. 1, 1924.

Guggenheim, Herbert, doing business as The Guggenheim Co., Washington, D. C. Ginger ale. 200,128; June 23; Serial No. 210,167; published Apr. 14, 1925.

Haenichen Bros. Silk Co., Paterson, N. J. Umbrella silk piece goods. 199,988; June 23; Serial No. 193,397; published Nov. 4, 1924.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 199,907; June 23; Serial No. 205,827; published Apr. 7, 1925.

Hamilton, M. B., & Co., Leavenworth, Kans. Work gloves, mittens, and gauntlets. 200,000–1; June 23; Serial Nos. 205,828–9; published Apr. 7, 1925.

Hammond Bag & Paper Co., Wellsburg, W. Va. Paper bags. 199,955; June 23; Serial No. 192,019; published Apr. 14, 1925.

Harlow, Joseph N., Hannibal, Mo. Preparation to be used in the treatment of corns. 200,170; June 23.

Hess, Goldsmith & Co., Inc., New York, N. Y. Silk piece goods. 200,115; June 23; Serial No. 209,215; published Apr. 14, 1925.

Hicks, William B., doing business as Nutmeat Specialty Co., Syracuse, N. Y. Sandwiches. 200,181; June 23.

Hinds, A. S., Co., Portland, Me. Cream for the face, hands, skin, and complexion. 200,147; June 23; Serial No. 209,476; published Apr. 14, 1925.

Hocking Valley Mfg. Co., Lancaster, Ohio. Farming implements. 200,088; June 23; Serial No. 208,984; published Apr. 14, 1925.

Hoff Metal Products Company, New York, N. Y. Tire chains. 200,070; June 23; Serial No. 208,591; published Apr. 14, 1925.

Holley Carburetor Company, Detroit, Mich. Gray-iron pistons. 200,082; June 23; Serial No. 209,343; published Apr. 14, 1925.

Hollywood Products Company. (See Miscovich, John V.)

Holtite Manufacturing Co., Baltimore, Md. Rubber heels and soles for shoes. 200,020; June 23; Serial No. 208,909; published Apr. 7, 1925.

Holyoke Belting Company, Holyoke, Mass. Leather belting. 200,072; June 23; Serial No. 208,400; published Mar. 31, 1925.

Holyoke Belting Company, Holyoke, Mass. Belt cement. 200,160; June 23.

Hovden, E., Co., Monterey, Calif. Canned fish and fruits. 199,990; June 23; Serial No. 192,385; published May 6, 1924.

Howard, George E., doing business as G. E. Howard & Company, Newburgh, N. Y. Canned vegetables, fruits, and fish. 200,090; June 23; Serial No. 210,058; published Apr. 14, 1925.

Hoyt's Products. (See Miscovich, John V.)

Humphry, Charles A., doing business as Swans Down Wheat Hearts Company, Evansville, Ind. Breakfast food. 199,916; June 23; Serial No. 204,555; published Feb. 3, 1925.

Huyck, F. C., & Sons, Albany, N. Y. Papermakers' felts. 200,179; June 23.

Illinois Oil Company, Rock Island, Ill. Ready mixed paints. 200,168; June 23.

International Welding Engineering Corporation, Chicago, Ill. Welding wire. 200,086; June 23; Serial No. 189,160; published Apr. 14, 1925.

Interstate Casket Company, Kansas City, Mo. Burial dresses and suits. 200,114; June 23; Serial No. 210,059; published Apr. 14, 1925.

Inter-State Radio Co., New York, N. Y. Radio loud speakers, transformers, etc. 200,002; June 23; Serial No. 201,950; published Apr. 7, 1925.

Jefferson Candy Co. (See Schutter-Johnson Candy Co., assignor.)

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 199,936; June 23; Serial No. 207,371; published Apr. 14, 1925.

Jelke, John F., Company, Chicago, Ill. Oleomargarine. 200,043–4; June 23; Serial Nos. 209,217–18; published Apr. 7, 1925.

Joslin, Dr. Medical Co. (See Whaley, Daniel J.)

Kadet Kruger Co., Chicago, Ill. Neckwear. 199,910; June 23; Serial No. 207,191; published Apr. 14, 1925.

Kali Manufacturing Co., Philadelphia, Pa. Compound for tinweighting of silk. 200,162; June 23.

Kali Manufacturing Co., Philadelphia, Pa. Compound used for boiling out the oil and foreign substance from silk and artificial silk. 200,163; June 23.

Kan Eater Co. (See Couch, Buel.)

Katzin, Sonia, Chicago, Ill. Millinery. 200,028; June 23; Serial No. 207,996; published Apr. 7, 1925.

Keasbey & Mattison Company, Ambler, Pa. Pipe covering. 199,962; June 23; Serial No. 187,626; published Mar. 31, 1925.

Kellogg Company, Battle Creek, Mich. Cereal breakfast food. 199,964; June 23; Serial No. 185,182; published Apr. 7, 1925.

Kemolene Company, The. (See Caumont, Leon F.)

Kennedy, A. M., & Co., Inc., New York, N. Y. Presses for embossing, marking, printing, and stamping. 199,947; June 23; Serial No. 207,789; published Apr. 7, 1925.

Kimball, John A., doing business Kimdim Speciality Works, Taylorville, Ill. Headlight controls. 199,959; June 23; Serial No. 190,459; published Mar. 31, 1925.

Kimdim Speciality Works. (See Kimball, John A.)

Kingston Cake Co. (See Levy, Reuben H.)

Kinney Chemical Products Co., Knoxville, Tenn. Wood, furniture, and automobile polish. 199,965; June 23; Serial No. 183,576; published Mar. 10, 1925.

Kleinert, I. B., Rubber Company, New York, N. Y. Sanitary bloomers. 200,101; June 23; Serial No. 207,745; published Apr. 14, 1925.

Kohlenite Products Co., Inc., New York, N. Y. Brushes for motors and dynamos. 200,017; June 23; Serial No. 209,090; published Apr. 7, 1925.

Kurfees, James F., Paint Co.; J. F. Kurfees Paint Company, Incorporated, Louisville, Ky., successor. Liquid or ready-mixed paints. 47,075; renewed Oct. 24, 1925.

Landa, Guillermo B., doing business as The Sharpenette Sales Co., New York, N. Y. Razor-blade-sharpening device. 200,081; June 23; Serial No. 209,853; published Apr. 14, 1925.

Lardner Monument Works, Lockport, N. Y. Monuments, markers, and memorial stones. 199,958; June 23; Serial No. 190,795; published Mar. 31, 1925.

Lee Rubber and Tire Corporation, New York, N. Y. Brake linings. 200,049; June 23; Serial No. 209,098; published Mar. 31, 1925.

Leon Milly Shop. (See Fransblau, Nathan.)

Levy, Reuben H., doing business as Kingston Cake Co., Kingston, Pa. Cakes, pies, and bread. 199,980; June 23; Serial No. 201,569; published Mar. 31, 1925.

Lionel Trading Co. Inc., New York, N. Y. Perfumes, toilet waters, face lotions, etc. 199,904; June 23; Serial No. 204,038; published Jan. 6, 1925.

Loeffler, Brewer & Co., Inc., New York, N. Y. Cotton and cotton and silk mixed piece goods. 200,080; June 23; Serial No. 207,791; published Apr. 14, 1925.

Loewenstein, Hans, doing business as Neue Industrie Werke Hermann Berninghaus, Berlin, Germany. Sockets. 200,108; June 23; Serial No. 200,206; published Apr. 14, 1925.

Lothrop, Lee & Shepard Co., Boston, Mass. Books. 47,426; renewed Nov. 7, 1925.

Loudonville Milling Company, The, Loudonville, Ohio. Wheat flour. 200,065; June 23; Serial No. 208,665; published Mar. 31, 1925.

M J R Metallwarenfabrik Josef Rosenthal Aktiengesellschaft, Vienna, Austria. Liquid-fuel cooking stoves. 199,985; June 23; Serial No. 196,468; published Apr. 7, 1925.

Made Well Knitting Mills, Inc., New York, N. Y. Cravats, mufflers, neckties, and reefers. 200,126; June 23; Serial No. 196,532; published Apr. 14, 1925.

Maison Marie, Saginaw, Mich. Candy. 199,917; June 23; Serial No. 204,712; published Apr. 14, 1925.

Maney Milling Co., Omaha, Nebr. Wheat flour. 200,036; June 23; Serial No. 209,418; published Apr. 14, 1925.

Manhattan Knitting Mills, The, New York, N. Y. Swimming suits. 200,045; June 23; Serial No. 209,132; published Apr. 7, 1925.

Manhattan Knitting Mills, New York, N. Y. Sweaters. 200,139; June 23; Serial No. 209,799; published Apr. 7, 1925.

Manly, John B., Company, Chicago, Ill. Suits, vests, coats, and trousers. 200,124; June 23; Serial No. 207,085; published Apr. 7, 1925.

Markwell Manufacturing Co., Inc., New York, N. Y. Knives, cord cutters, stapling machines, clamping benches, etc. 199,929; June 23; Serial No. 206,794; published Apr. 7, 1925.

Massolt Bottling Co., The, Minneapolis, Minn. Beverages. 200,035; June 23; Serial No. 209,419; published Apr. 14, 1925.

McCurrach, James, & Brother, New York, N. Y. Neckties. 200,141–2; June 23; Serial Nos. 209,739–40; published Apr. 7, 1925.

Mereen-Johnson Machine Co., Minneapolis, Minn. Vertical resaws, squeezers, matchers, etc. 200,107; June 23; Serial No. 198,579; published Apr. 14, 1925.

Metal Stamping Company, Long Island City, N. Y. Bumpers. 200,071; June 23; Serial No. 208,530; published Mar. 31, 1925.

Meyer, Beatrice, Ltd., New York, N. Y. Perfume. 200,150; June 23; Serial No. 209,423; published Apr. 14, 1925.

Miller, Daniel, Company, Baltimore, Md. Cotton, silk, and woolen piece goods, cotton and linen sheets, etc. 200,014; June 23; Serial No. 209,231; published Apr. 14, 1925.

Miller, Philip, doing business as The Miller Overall Mfg. Co., Shelbyville, Ind. Men's overalls, jackets, and overall union suits, etc. 200,021; June 23; Serial No. 208,817; published Apr. 14, 1925.

Miscovich, John V., doing business as Hollywood Products Company and Hoyt's Products, Los Angeles, Calif. Ginger ale. 199,927; June 23; Serial No. 206,422; published Apr. 14, 1925.

Monomac Spinning Company, Boston, Mass. Yarns of wool and silk. 200,011; June 23; Serial No. 209,306; published Apr. 14, 1925.

Moore, William R., jr., doing business as Moore Engineering Company, Hagerstown, Md. Lathes, reamers, grinders, etc. 200,144; June 23; Serial No. 209,676; published Apr. 14, 1925.

Morehead Golf Company, Milwaukee, Wis. Golf clubs. 200,143; June 23; Serial No. 209,677; published Apr. 14, 1925.

Morse, A. G., Co., Inc., Chicago, Ill. Candy. 200,076; June 23; Serial No. 210,081; published Apr. 14, 1925.

Motion, William G., Los Angeles, Calif. Fish food. 200,093; June 23; Serial No. 208,155; published Apr. 14, 1925.

Munn, John R., doing business as J. R. Munn Co., New York, N. Y. Men's clothing. 200,119; June 23; Serial No. 209,053; published Apr. 14, 1925.

Nadherny, Clark J., Chicago, Ill. Oven mittens. 200,019; June 23; Serial No. 208,993; published Apr. 7, 1925.

Naomi Canning Co., doing business as Edinburg Canning Co., Edinburg, Ind. Canned vegetables. 200,127; June 23; Serial No. 210,308; published Apr. 14, 1925.

National Shirt Shops, Inc., New York, N. Y. Men's neckwear. 200,055; June 23; Serial No. 208,819; published Apr. 7, 1925.

National Shirt Shops, Inc., New York, N. Y. Men's underwear of knitted or textile fabric. 200,069; June 23; Serial No. 208,602; published Apr. 7, 1925.

Neue Industrie Werke Hermann Berninghaus. (See Loewenstein, Hans.)

Neuhaus-Kuoch Chemical Corporation, Buffalo, N. Y. Acid-proof cement for building purposes. 200,047–8; June 23; Serial Nos. 209,099–100; published Apr. 7, 1925.

New England Auto Products Company, New Haven, Conn. Universal joints and parts thereof, etc. 200,094; June 23; Serial No. 208,416; published Apr. 14, 1925.

Newman, Sigmund, doing business as The Radio Constructor, New York, N. Y. Kits containing flexible wires and templates and instructions for building radio sets. 200,013; June 23; Serial No. 209,233; published Apr. 7, 1925.

New Rochelle Coal & Lumber Co., New Rochelle, N. Y. Cases or cabinets, mantels, tables, seats, and benches. 199,977; June 23; Serial No. 202,561; published Mar. 31, 1925.

New Rochelle Coal & Lumber Co., New Rochelle, N. Y. Timber. 199,978; June 23; Serial No. 202,457; published Mar. 31, 1925.

New York Yacht, Launch & Engine Co., Morris Heights, New York, N. Y. Gasoline marine motors and internal-combustion engines. 200,089; June 23; Serial No. 208,417; published Apr. 14, 1925.

Neyman Knitting Mills, Brooklyn, N. Y. Knitted wool fabric. 200,010; June 23; Serial No. 209,491; published Apr. 14, 1925.
Non-Pareil Cosmetic Co. (See Champion, Adriana M.)
Nowlin, A. S., & Company, Lynchburg, Va. Coal. 200,074; June 23; Serial No. 208,357; published Apr. 7, 1925.
Nutmeat Specialty Co. (See Hicks, William S.)
Ohio Glass Products Company, The, Massillon, Ohio. Glass jars and bottles. 199,900; June 23; Serial No. 206,587; published Apr. 14, 1925.
Original Trenton Cracker Company. (See Cartlidge Christopher.)
Owensboro Milling Co., Owensboro, Ky. Wheat flour. 200,083; June 23; Serial No. 209,427; published Apr. 14, 1925.
Pacific & Atlantic Photos, Inc., New York, N. Y. Machines and apparatus for distance transmission of photographs electrically. 199,998; June 23; Serial No. 207,629; published Apr. 7, 1925.
Pacific Wire Works, Inc., Seattle, Wash. Wire cloth and screens. 200,060; June 23; Serial No. 208,717; published Mar. 31, 1925.
Panelyte Board Company, The, Trenton, N. J. Construction materials. 199,981; June 23; Serial No. 189,986; published Mar. 3, 1925.
Paris Medicine Company. (See Winstead, S. H., Medicine Co., assignor.)
Pasadena Biscuit Company, Pasadena, Calif. Graham crackers made with honey. 200,157; June 23.
Pasfield Soap Company, Brooklyn, N. Y. Medical, toilet, and shaving soap. 46,471; renewed Sept. 19, 1925.
Patten, John S., Engineering Co. Inc., New York, N. Y. Marine oil-burning system, oil-firing-furnace fronts, oil burners, etc. 199,925; June 23; Serial No. 205,945; published Mar. 31, 1925.
Pearl City Fruit Co., Ltd., Honolulu, Hawaii. Canned pineapple. 200,075; June 23; Serial No. 210,310; published Apr. 14, 1925.
Penn Leather Co., Philadelphia, Pa. Leather blanks. 199,976; June 23; Serial No. 202,630; published Mar. 31, 1925.
Perfolastic, Inc., New York, N. Y. Elastic girdles. 200,004; June 23; Serial No. 210,312; published Apr. 7, 1925.
Philadelphia Hosiery Mills, Philadelphia, Tenn. Hosiery. 200,064; June 23; Serial No. 208,675; published Apr. 7, 1925.
Pioneer Instrument Company, Brooklyn, N. Y. Compasses, banking indicators, pilot tubes, etc. 200,087; June 23; Serial No. 208,928; published Apr. 14, 1925.
Pittsburgh Engineering Company, Jeannette, Pa. Cast-iron pipe fittings. 200,132; June 23; Serial No. 209,938; published Apr. 14, 1925.
Pottstown Steel Company, Douglassville, Pa. Portable buildings, warehouses, bungalows, garages, and the like. 199,941; June 23; Serial No. 207,515; published Mar. 31, 1925.
Precise Instrument Company, Brooklyn, N. Y. Transformers. 200,022; June 23; Serial No. 208,777; published Apr. 7, 1925.
Prince, Jas. H., Paint Company, Boston, Mass. Mixed paint and paste paint. 200,176; June 23.
Probey, T. O., Company, Inc., assignee to Probey's Incorporated, Washington, D. C. Automobile tires. 200,152; June 23.
Quick-Heat Company, Inc., New York, N. Y. Solidified alcohol. 200,151; June 23.
Radio Constructor, The. (See Newman, Sigmund.)
Ramstone Corporation, New York, N. Y. Radio receiving sets and parts thereof. 199,996; June 23; Serial No. 209,106; published Apr. 7, 1925.
Reed Tobacco Company, Richmond, Va. Cigarettes. 200,118; June 23; Serial No. 209,107; published Apr. 7, 1925.
Reinschild Chemical Co., The, New York, N. Y. Preparation for the treatment of the intestinal tract. 200,016; June 23; Serial No. 209,138; published Mar. 31, 1925.
Reliance Manufacturing Company, Chicago, Ill. Men's and boys' work shirts and boys' blouses. 200,117; June 23; Serial No. 209,175; published Apr. 14, 1925.
Reymer & Brothers, Incorporated, Pittsburgh, Pa. Candy. 46,680–7; renewed Oct. 8, 1925.
Rhodes, James H., & Company, Chicago, Ill. Sponges and chamois skins. 199,948; June 23; Serial No. 207,886; published Apr. 7, 1925.
Richardson Silk Company, Chicago, Ill., and New York, N. Y. Cotton threads and yarns. 200,105; June 23; Serial No. 151,563; published Nov. 29, 1921.
Rivera, Francisco S., Lucena, Spain. Olive oils. 199,945; June 23; Serial No. 207,686; published Apr. 7, 1925.
Roberts-Frank Company, Chicago, Ill. Ladies' vests, slips, petticoats, nightgowns, etc. 200,024; June 23; Serial No. 208,610; published Apr. 14, 1925.
Rock Island Register Company, Rock Island, Ill. Warm-air registers. 200,048; June 23; Serial No. 208,612; published Mar. 31, 1925.
Ruben, Abraham, Pittsburgh, Pa. Tobacco products. 199,972; June 23; Serial No. 150,292; published Jan. 31, 1922.
Ruberoid Co., The, Boundbrook, N. J., and New York, N. Y. Composition shingles. 199,931; June 23; Serial No. 207,033; published Mar. 31, 1925.
S. & H. Dyeing Co. Inc., West New York, N. J. Thread and yarn. 200,023; June 23; Serial No. 206,723; published Apr. 14, 1925.
St. Louis Coffee & Spice Mills, St. Louis, Mo. Coffee, tea, food-flavoring extracts, and spices. 199,989; June 23; Serial No. 192,504; published Apr. 7, 1924.
Salina Poultry Company, The, Salina, Kans. Dressed poultry. 200,079; June 23; Serial No. 209,942; published Apr. 14, 1925.
Sampeck Clothes, Inc., New York, N. Y. Suits and coats for men and boys. 200,104; June 23; Serial No. 210,253; published Apr. 14, 1925.
Sanford, Stephen & Sons, Inc., Amsterdam, N. Y. Knitted fabric carpets and rugs. 200,154; June 23.
San Joaquin Baking Co., Fresno, Calif. Bread. 200,189; June 23.
Schnabl, Josef, doing business as Jac. Schnabl & Co., Vienna, Austria. Cigarette papers. 199,913; June 23; Serial No. 196,679; published Apr. 14, 1925.
Schnellpressenfabrik Act.-Ges. Heidelberg, Heidelberg, Germany. Book-printing machines, platen presses, etc. 200,084; June 23; Serial No. 209,007; published Apr. 14, 1925.
Schramm, William P., Brooklyn, N. Y. Beverages and cordials and sirups and extracts used in the preparation of same. 200,054; June 23; Serial No. 208,929; published Apr. 14, 1925.
Schreiber Products Corporation, Buffalo, N. Y. Coffee. 199,956; June 23; Serial No. 191,510; published Apr. 14, 1925.
Schreier, Konrad Co., The, Sheboygan, Wis. Wholewheat flour. 199,932; June 23; Serial No. 207,084; published Mar. 31, 1925.
Schutter-Johnson Candy Co., assignee to Jefferson Candy Co., Chicago, Ill. Candy. 199,992; June 23; Serial No. 192,227; published Apr. 14, 1925.
Seatless Valve Company, New York, N. Y. Valves for draining liquids from receptacles. 200,102; June 23; Serial No. 203,008; published Apr. 14, 1925.
Sharpenette Sales Co., The. (See Landa, Guillermo B.)
Shawmut Woolen Mills, Stoughton, Mass., and New York, N. Y. Knitted woolen cloth. 199,978; June 23; Serial No. 105,997; published Nov. 25, 1919.
Shepard Norwell Co., Boston, Mass. Dry goods. 200,027; June 23; Serial No. 208,111; published Apr. 14, 1925.
Sherr Bros., New York, N. Y. Dresses and frocks. 200,140; June 23; Serial No. 209,754; published Apr. 7, 1925.
Smartnet Bonbonniere, Inc., New York, N. Y. Candy. 200,097; June 23; Serial No. 210,413; published Apr. 14, 1925.
Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils, Angouleme, Charente, France. Cigarette wrappers and papers. 199,901; June 23; Serial No. 195,421; published Apr. 14, 1925.
Societe l'Aliment Essentiel, Nanterre, France. Prepared bread for infants and invalids. 199,918; June 23; Serial No. 204,794; published Apr. 7, 1925.
Sodastream Limited, Camden Town, London, England. Soda fountains and parts thereof. 200,085; June 23; Serial No. 209,143; published Apr. 14, 1925.
Southern Press Cloth Manufacturing Company, Augusta, Ga. Oil-press cloth. 200,063; June 23; Serial No. 208,684; published Mar. 31, 1925.
Southern Soda Works Company, Nashville, Tenn. Baking powder and cooking soda. 45,521; renewed Aug. 22, 1925.
Spiegle, Geo. M., & Co., Philadelphia, Pa. Lumber. 199,967; June 23; Serial No. 172,017; published Mar. 31, 1925.
Stamina Foods Co. Ltd., Bootle, Liverpool, England. Dog, poultry, and bird foods. 199,984; June 23; Serial No. 198,262; published Feb. 10, 1925.
Star Milling Company, Minneapolis, Minn. Wheat flour. 199,970; June 23; Serial No. 164,686; published Apr. 7, 1925.
Straus, Nathan, & Sons, Inc., New York, N. Y. Chinaware. 200,125; June 23; Serial No. 206,801; published Apr. 14, 1925.
Strawbridge & Clothier, Philadelphia, Pa. Hosiery. 200,113; June 23; Serial No. 210,089; published Apr. 14, 1925.
Superior Metal Products, Inc., Greeley, Colo. Automobile tire chains. 199,952; June 23; Serial No. 208,167; published Apr. 14, 1925.
Sumer, Morris, New York, N. Y. Fur wearing apparel—vis, coats, boas, collars, and stoles. 199,951; June 23; Serial No. 208,078; published Apr. 7, 1925.
Swans Down Wheat Hearts Company. (See Humphry, Charles A.)
Tablet & Ticket Company, The, Chicago, Ill. Celluloid letters for changeable signs. 199,983; June 23; Serial No. 199,331; published Apr. 7, 1925.
Terra Bella Citrus Association, Terra Bella, Calif. Fresh citrous fruits. 199,979; June 23; Serial No. 201,721; published Oct. 7, 1924.

Textiles Development Corporation, New York, N. Y. Woven cord fabrics for use in the manufacture of tires and fabric belting. 199,957; June 23; Serial No. 191,102; published Apr. 7, 1925.
Theatrical Poster Co. (See Uhler, Emil E.)
Thibault Milling Co., Little Rock, Ark. Wheat flour, corn meal, and feeds. 199,937; June 23; Serial No. 207,480; published Mar. 31, 1925.
Thompson Bros. Shoe Co., Brockton, Mass. Men's, women's, and boys' boots and shoes. 200,007; June 23; Serial No. 209,950; published Apr. 14, 1925.
Tiffin Pure Food Corporation, The, Detroit, Mich. Cheese. 200,062; June 23; Serial No. 208,688; published Mar. 31, 1925.
Tobacco Rehandling Co. Ltd., The. (See Grant, W. T., & Co., assignor.)
Toilaid Company, The, New York, N. Y. Dispensing devices for toilet preparations, etc. 199,987; June 23; Serial No. 194,064; published Mar. 31, 1925.
Trojan Coal Mining Company, Clearfield, Pa. Coal. 199,935; June 23; Serial No. 207,278; published Mar. 31, 1925.
Tunnell, F. W., & Company, Inc., Philadelphia, Pa. Vegetable glue. 200,149; June 23; Serial No. 209,443; Apr. 14, 1925.
Uhler, Emil E., doing business as Theatrical Poster Co., Chicago, Ill. Products of a printing establishment and studio, posters, etc. 200,159; June 23.
Union Starch & Refining Company, Columbus, Ind. Corn sirup. 199,974; June 23; Serial No. 203,915; published Apr. 7, 1925.
United States Graphite Co., The, Saginaw, Mich. Lubricating rings. 200,106; June 23; Serial No. 192,457; Apr. 14, 1925.
United Steel and Wire Company, Battle Creek, Mich. Display and counter baskets. 200,165; June 23.
Unity Cotton Mills, La Grange, Ga. Hose and belting duck. 200,025; June 23; Serial No. 208,538; published Apr. 14, 1925.
Unity Cotton Mills, La Grange, Ga. Cord, chafer, and liner fabrics, and like cotton piece goods. 200,064; June 23; Serial No. 208,537; published Apr. 14, 1925.
Universal Boring Machine Company, Hudson, Mass. Boring machines. 200,159; June 23.
Universal Boring Machine Company, Hudson, Mass. Boring machines. 200,161; June 23.
Verdure, Inc., New York, N. Y. Fertilizer. 199,933; June 23; Serial No. 192,202; published Apr. 14, 1925.
Voliva, Wilbur G., doing business as Zion Institutions & Industries, Zion, Ill. Combined baby walker and car. 200,046; June 23; Serial No. 209,113; published Apr. 14, 1925.
Voss & Stern, Inc., New York, N. Y. Cotton and silk piece goods. 199,908; June 23; Serial No. 206,203; published Apr. 14, 1925.
Wagner, C. B., jr., doing business as Wagner Specialty Co., Burlington, Wis. Bull rings. 200,156; June 23.
Walker, Elizabeth, Minneapolis, Minn. Toy building blocks and demountable toys. 200,138; June 23; Serial No. 209,883; published Apr. 14, 1925.
Wappler Electric Company, Inc., Long Island city, N. Y. High-frequency electric machines. 200,174; June 23.
Ward, Joseph E., (Bredbury) Limited, Bredbury, Stockport, and London, England. Men's hats and caps. 199,911–12; June 23; Serial Nos. 207,277–8; published Apr. 7 1925.
Warner, George W., & Co., Inc., New York, N. Y. Stocks and dies, pipe cutters, vises, wrenches, etc. 199,926; June 23; Serial No. 205,967; published Mar. 17, 1925.
Waterhouse, Josephine S., doing business as Waterhouse Manufacturing Co. and as J. S. Waterhouse, Los Angeles, Calif. Baby yards. 200,177; June 23.
Weiss & Zahler, New York, N. Y. Mufflers. 200,116; June 23; Serial No. 209,513; published Apr. 7, 1925.
Werner Export Company Inc., New York, N. Y. Shirts, underwear, hosiery, sweaters, etc. 199,895; June 23; Serial No. 180,569; published Apr. 14, 1925.
Western Cartridge Company, Wilmington, Del., and East Alton, Ill. Shot shells. 199,903; June 23; Serial No. 202,472; published Apr. 14, 1925.
Western Maryland Dairy, Baltimore, Md. Poultry and stock feeding food. 200,061; June 23; Serial No. 209,072; published Apr. 7, 1925.
Wheat's Ice Cream Company, Buffalo, N. Y. Ice cream. 200,067; June 23; Serial No. 208,627; published Apr. 7, 1925.
Whiles, Frederick W., Los Angeles, Calif. Salve. 200,183; June 23.
White Satin Sugar Company, Minneapolis, Minn. Wheat flour. 199,928; June 23; Serial No. 206,759; published Apr. 14, 1925.
Wholey, Daniel J., doing business as Dr. Joslin Medical Co., Lowell, Mass. Medicine for diarrhea, cramps, colds, etc. 200,158; June 23.
Wilcox-Hayes Co., The, Portland, Oreg. Wheat flour. 199,944; June 23; Serial No. 207,638; published Apr. 7, 1925.
Winstead, S. H. Medicine Co., Paducah, Ky., assignor to Paris Medicine Company, St. Louis, Mo. Preparations for treatment of certain named diseases. 47,462; renewed Nov. 7, 1925.
Yatter, Samuel, Co., Chicago, Ill. Suits, overcoats, trousers, and raincoats. 200,073; June 23; Serial No. 208,895; published Apr. 7, 1925.
York Manufacturing Co. Inc., New York, N. Y. Dress patterns of voile, etc. 200,120; June 23; Serial No. 208,543; published Apr. 7, 1925.
Yorke Shirt Company, The, Glens Falls and New York, N. Y. Negligee and dress shirts. 200,033; June 23; Serial No. 207,538; published Apr. 14, 1925.
Zion Institutions & Industries. (See Voliva, Wilbur G.)

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

Colker, Abraham, doing business as A. Colker Mfg. Co., Newport, Ky. Milo Joy. For Chewing Gum. 28,848; June 23.
French-American Cloak & Suit Mfg. Co., Los Angeles, Calif. Wilshire. For Women's Cloaks. 28,849; June 23.
Gatlin Laboratories, Inc., Minneapolis, Minn. Egyptol Junior. For Egyptol, Jr., a Medicinal Preparation. 28,850; June 23.
Gatlin Laboratories, Inc., Minneapolis, Minn. Egyptol Red Caps. For a Medicinal Product. 28,851; June 23.
Hunsinger, Edw., Cleveland, Ohio. Sweetheart Bath Salts. For Bath Salts. 28,852; June 23.
Inserillo, F., & Co., Kansas City, Mo. Blue Seal Extra Fancy. For Bananas. 28,853; June 23.
Inserillo, F., & Co., Kansas City, Mo. Red Seal Fancy. For Bananas. 28,854; June 23.
Kaplan & Levine. (See Menasha Printing and Carton Company, assignee.)
Kuehn, Emil, doing business as Schramm-Schramm Co., Chicago, Ill. Heidelberg Brand Malt Extract. For Malt Extract. 28,855; June 23.
McLeansboro Creamery Company. (See Menasha Printing and Carton Company, assignee.)
Menasha Printing and Carton Company, Menasha, Wis., assignee to Kaplan & Levine, New York, N. Y. Homeid Butter. For Butter. 28,856; June 23.
Menasha Printing and Carton Company, Menasha, Wis., assignee to McLeansboro Creamery Company, McLeansboro, Ill. Gold Label. For Butter. 28,857; June 23.
Polychrome Supply Company, St. Louis, Mo. B. & B. Polychrome Clay. For Metal Packages Containing Polychrome Clay. 28,858; June 23.
Safeway Stores, Incorporated, Los Angeles, Calif. Packed For Safeway Stores, Incorporated. For Matches. 28,859; June 23.
Schramm-Schramm Co. (See Kuehn, Emil.)
Toewear Hosiery Inc., Norristown, Pa. Gingham Socks. For Hosiery. 28,860; June 23.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

Babbitt Co. Inc., The, Philadelphia, Pa. Special Offer No. For Perfume. 8,004; June 23.
Beaver Machine & Tool Co. Inc., Newark, N. J. Xtra-Tape. For Electrical Wiring Devices. 8,005; June 23.
Duluth Show Case Company, Duluth, Minn. Show It and Sell It. For Store Equipment. 8,006; June 23.
Eaton, Crane & Pike Company, Pittsfield, Mass. Crane's Cordlinear. For Paper. 8,007; June 23.
Forhan Company, New York, N. Y. Four out of Five now lose! For Preparation for the Teeth. 8,008; June 23.
Gripastik Company, The, Dover, Ohio. The Gripastik Co. For tools. 8,009; June 23.
King Card Company, Philadelphia, Pa. Print Your Christmas Cards. For Christmas Cards. 8,010; June 23.
Red Top Malt Extract Co., The, Cincinnati, Ohio. Taste it! Smell it! It's Entirely Different! For Malt Extract. 8,011; June 23.
Squibb, E. R., & Sons, New York, N. Y. Sensitive teeth warn of Acid Decay at The Danger Line. For Dental Cream. 8,012; June 23.
Squibb, E. R., & Sons, New York, N. Y. Safeguard your health at The Danger Line. For Dental Cream. 8,013. June 23.

Squibb, E. R., & Sons, New York, N. Y. You, too, are warned of trouble at The Danger Line. For Dental Cream. 8,014. June 23.
Squibb, E. R., & Sons, New York, N. Y. The Peril at The Danger Line. For Dentral Cream. 8,015; June 23.
Squibb, E. R., & Sons, New York, N. Y. Safeguard your health at The Danger Line. For Dental Cream. 8,016; June 23.
Squibb, E. R., & Sons, New York, N. Y. Beware! warns The Danger Line. For Dental Cream. 8,017; June 23.
Squibb, E. R., & Sons, New York, N. Y. Stop Acid Decay at The Danger Line. For Dental Cream. 8,018; June 23.
Squibb, E. R., & Sons, New York, N. Y. Watch the Danger Line! For Dental Cream. 8,019; June 23.
Squibb, E. R., & Sons, New York, N. Y. Prevention. For Dental Cream. 8,020; June 23.
Strombeck-Becker Mfg. Co., Moline, Ill. Plate No. 1. For No. 1 Diamoblox—Namely, an Instructive Game. 8,021; June 23.
Strombeck-Becker Mfg. Co., Moline, Ill. Plate No. H1. For No. 1 Hexoblox—Namely, an Instructive Game. 8,023; June 23.
Strombeck-Becker Mfg. Co., Moline, Ill. Plate No. H2. For No. 1 Hexoblox—Namely, an Instructive Game. 8,022; June 23.
Western Pine Manufacturers Association, Portland, Oreg. List of Members. For Lumber and Lumber Products. 8,024. June 23.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abraham & Straus, Inc., New York, N. Y. Linen piece goods, bed sheets, woolen and cotton piece goods, etc. 210,433; June 23.
Acme White Lead & Color Works, Hamtramck, Mich. Insecticides and fungicides. 213,758; June 23.
Actien Gesellschaft für Anilin Fabrikation, Berlin, Germany. Antiseptics and internal disinfectants. 210,994; June 23.
Adams, J. D., & Company, Indianapolis, Ind. Road graders. 214,042; June 23.
Alaska Salmon Company, San Francisco, Calif. Canned salmon. 210,779; June 23.
Albany Perforated Wrapping Paper Company, Albany, N. Y. Toilet paper. 200,080; June 23.
Allen-Hurd Company, Boston, Mass. Fresh celery. 212,709; June 23.
Allerton Drug Company, Inc., New York, N. Y. Laxative compounds, preparation for hemorrhoidal complaints, and blood purifiers. 210,996; June 23.
Alps Drug Co., Inc., The, New York, N. Y. Perfumery, hair tonic, and face powder. 212,710; June 23.
Altmann, Anton V., jr., Syracuse, N. Y. Beverages sold as soft drinks and sirups for making the same. 212,116; June 23.
Amendola, T. M., doing business as T. M. Amendola & Co., Dinuba, Calif. Fresh grapes. 205,806; June 23.
American Chicle Company, Long Island City, N. Y. Candy, mints, breathlets, and cachous. 210,946; June 23.
American Crayon Company, The, Sandusky, Ohio. Plastic modeling material. 212,847; June 23.
American Hard Rubber Company, Hempstead and New York, N. Y. Hard-rubber combs. 214,045–6; June 23.
American Lakes Paper Company, Chicago, Ill. Wrapping paper. 202,477; June 23.
American Oak Leather Co., The, Cincinnati, Ohio. Leather. 200,523; June 23.
American Stove Company, St. Louis, Mo. Publication issued monthly. 211,513; June 23.
Angelo Bros. Limited, Calcutta, British India. Prepared shellacs. 195,610; June 23.
Anheuser-Busch, Incorporated, St. Louis, Mo. Barley-malt sirup and hop-flavored barley-malt sirup. 213,215; June 23.
Askania-Werke A.-G. vormals Centralwerkstatt-Dessau und Carl Bamberg-Friedenau, Berlin-Friedenau, Germany. Physical, optical, nautical, etc., measuring, signaling, etc., apparatus and instruments. 208,373; June 23.
Aspegren & Co., Inc., New York, N. Y. Vegetable shortening. 214,006; June 23.
Associated Merchandising Corporation, New York, N. Y. Men's shoes. 213,884; June 23.
Atlantic Mills, Olneyville, Providence, R. I. Worsted piece goods. 212,473; June 23.
Auld's Inc., Columbus, Ohio. College, high-school, class, etc., emblems, bar pins, chains, etc. 185,552; June 23.
Ballantine and Sons, Newark, N. J. Malt sirup for food purposes. 208,553; June 23.
Barber Asphalt Company, The, Philadelphia, Pa. Shingles. 212,779; June 23.
Bauer & Black, Chicago, Ill. Burning deodorants. 207,608; June 23.
Bay City Beverage Company, Bay City, Mich. Beverage. 211,823; June 23.
Beacon Radio Mfg. Co. Inc., Brooklyn, N. Y. Radio receiving sets and parts thereof, jacks, plugs, etc. 211,001; June 23.
Berger Auto Signal Device Co., Incorporated, The, doing business also as S & S Machine & Tool Co., New York, N. Y. Electric stop and direction signal lights used on automobiles. 209,963; June 23.
Berliner, Jacob S., New York, N. Y. Cold-cream-impregnated tissue. 212,850; June 23.
Berliner, Strauss & Meyer, Inc., New York, N. Y. Scarfs and neckties. 212,668; June 23.
Bodner & Edwards, New York, N. Y. Cashmere mufflers. 213,426; June 23.
Bohemian Distributing Co. Inc., Los Angeles, Calif. Beverages sold as soft drinks and sirups for making the same. 212,883; June 23.
Bradford Motor Works, Bradford, Pa. Seamless steel work barrels. 213,950; June 23.
Bristol Bay Packing Company, San Francisco, Calif. Canned salmon. 210,524; June 23.
Broadcaster Corporation, The, Chicago, Ill. Photographs. 204,696; June 23.
Brogger, George F., doing business as Brogger Sales Company, Chicago, Ill. Cloths and textile fabrics for the removal of cold cream and face lotions. 213,560; June 23.
Brown-Edwards Company, New York, N. Y. Vegetable oils. 200,979; June 23.
Brown-Edwards Company, New York, N. Y. Vegetable oils. 201,074–5; June 23.
Brown, McCleane, Pittsburgh, Pa. Rolled iron and steel. 211,403–6; June 23.
Bryant, M. B., & Co. Inc., New York, N. Y. Wedding, scarf, and finger rings. 211,455–6; June 23.
Buckeye Paint & Varnish Co., The, Toledo, Ohio. Paste paint. 212,996; June 23.
Budd, Edward G., Manufacturing Company, Philadelphia, Pa. Automobile bodies. 195,569; June 23.
Bustanoby, Doris, New York, N. Y. Beverage sold as a soft drink. 196,509–10; June 23.
California Almond Confections Company. (See Prentiss, William, jr.)
Cannon, Robert, doing business as Cannon Confectionery Company, Burlington, Vt. Candy suckers. 212,232; June 23.
Caro & Company Inc., New York, N. Y. Ladies' kimonos, housedresses, house aprons, etc. 212,320; June 23.
Central Scientific Company, Chicago, Ill. Chemical reagents. 213,004; June 23.
Chiknut Corporation, Brooklyn, N. Y. Pure vegetable fat for cooking. 212,888; June 23.
Cincrete, Inc., Clarksburg, W. Va. Concrete cinder blocks, tiles, and other cinder concrete products, materials, and supplies. 211,977; June 23.
Colpe, Lorne H., San Francisco, Calif. Rouge, rouge compacts, and refills for same. 210,884; June 23.
Consolidated Tea Co. Inc., New York, N. Y. Tea. 212,800; June 23.
Continental Paper & Bag Mills Corporation, New York, N. Y. Paper towels. 212,594; June 23.
Cream Store, Inc., Portland, Oreg. Candies. 206,608; June 23.
Cream Store, Inc., The, Portland, Oreg. Candies. 212,595; June 23.
Crystal Chemical Company Inc., The, New York, N. Y. Preparation for coughs, etc. 213,771; June 23.
Dallas Manufacturing Co., The, Huntsville, Ala. Cotton piece goods. 211,982–4; June 23.
Daniels Cornell Company, The, Manchester, N. H. Canned vegetables, pork and beans, fruits, fish, shell fish, etc. 211,157; June 23.
Davidson Radio Corporation, New York, N. Y. Electrical devices consisting of radiocondensers. 205,516; June 23.
Davis & Bennett, Inc., Worcester, Mass. Aqueous wax dispersions. 213,120; June 23.
Davis & Geck, Inc., Brooklyn, N. Y. Surgical and dental needles and combined needles and sutures. 213,774; June 23.
Delman, Herman B., New York, N. Y. Shoes and hosiery. 21,987; June 23.
De Long Hook and Eye Company, The, Philadelphia, Pa. Hairpins. 197,365; June 23.
Dennie, Frank B., doing business as Jersee Company, Minneapolis, Minn. Egg mash. 210,887;
Dennie, Frank B., doing business as Jersee Company, Minneapolis, Minn. Chick starter. 210,888; June 23.
Dennie, Frank B., doing business as Jersee Company, Minneapolis, Minn. Growing mash. 210,889; June 23.
Desmond, Las C., El Paso, Tex. Preparation for baldness, gray hair, and wrinkles. 211,907; June 23.
Detmer, Bruner & Mason, Inc., New York, N. Y. Woolen and worsted fabrics in the piece. 213,282–5; June 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Detroit Silver Fox Farms, Detroit, Mich. Fox pelts. 208,885; June 23.
Deutsch, Herman, New York, N. Y. Eyeglass wiper. 213,066; June 23.
Dixie Metal Products Co., Birmingham, Ala. Cabinets for shower baths. 213,868; June 23.
Dunne, Frank W., Co., Oakland, Calif. Ready-mixed paints, paint enamels, varnishes, etc. 211,521; June 23.
Electrical Research Laboratories, Inc., Chicago, Ill. Radio receiving sets, loud speakers, transformers, etc. 211,464; June 23.
Emro Shirt Co., Inc., The, Louisville, Ky. Sport shirts. 211,991; June 23.
Ensign Company, The, Battle Creek Mich. Medicines. 212,789; June 23.
Equity Construction Company, New York, N. Y. Sand and gravel. 176,610; June 23.
European Fabric Corporation, New York, N. Y. Silks, brocades, and velvet piece goods. 213,072; June 23.
Federal Gauge Co., The, Chicago, Ill. Lead wires for electrical connections to mercury-tube switches. 211,347; June 23.
Fertié Ltd., New York, N. Y. Bakery products, fruit preserves, confectionery, etc. 210,958; June 23.
Fellows Gasoline Company, Los Angeles, Calif. Petroleum products. 211,523; June 23.
Ferté, Emile P., Los Angeles, Calif. Medicinal compound to be used in the treatment of rheumatism, colds, grippe, etc. 211,161; June 23.
Fisk Rubber Company, The, Chicopee Falls, Mass. Rubber tires. 210,054; June 23.
Fitzgerald, Anna, Waterbury, Conn. Liquid wash for open sores, eczema, mortifying sores, etc. 212,131; June 23.
Fogle, Arnold B., doing business as Fogle Spark Plug Manufacturing Company, Shelbyville, Ind. Spark plugs. 211,203; June 23.
Foreman National Bank, The, Chicago, Ill. Negotiable paper. 201,553–4; June 23.
Fremont Beverage Company, Fremont, Nebr. Dressed chickens, capons, fowls, broilers, and roasters. 213,706–7; June 23.
Fuks, Caesar A., Brooklyn, N. Y. Felt dental polishing wheels. 214,018; June 23.
Gallub, Philip, New York, N. Y. Silk piece goods. 206,665; June 23.
Garland, Harrison W., Bay City, Mich. Monthly magazine. 211,090; June 23.
General Beverage Products Co. (See Gordon, William J.)
Gerstein, Louis, New York, N. Y. Bias binding. 210,453; June 23.
Golding Fabrics Corporation, New York, N. Y. Silk, wool, cotton, etc., piece goods. 213,168; June 23.
Golding Fabrics Corporation, New York, N. Y. Silk, wool, cotton, etc., piece goods. 213,170; June 23.
Goldman, Sigmund L., doing business as Red Sun Products Co., Chicago, Ill. Malt sirup. 213,172; June 23.
Gordon Fruit Products Inc., Los Angeles, Calif. Table sirups, flavoring extracts for foods, fruit juices, etc. 211,205; June 23.
Gordon, William J., doing business as General Beverage & Products Co., Lancaster, Ohio. Malt extract and malt hop extract. 210,725; June 23.
Graton & Knight Manufacturing Company, The, Worcester, Mass. Belts and belting, etc. 208,345; June 23.
Great Northern Mfg. Co., Chicago, Ill. Knives, forks, spoons, etc., of base metal. 212,607; June 23.
Great Stuff Products Company, Minneapolis, Minn. Soap. 164,513; June 23.
Greenberg, Gallen & Co., Inc., New York, N. Y. Coats, vests, overcoats, etc., for men, youths, and boys. 212,684; June 23.
Gregory, Frank H., Bay City, Mich. Card game. 213,371; June 23.
Gulf Concrete Pipe Company, Houston, Tex. Concrete pipe, tile, and building blocks. 211,680; June 23.
Gutierres Velez, Guillermo, New York, N. Y. Coffee. 206,118; June 23.
Hagerstown Shoe & Legging Co., Hagerstown, Md. Children's leather shoes. 214,078; June 23.
Hammel, Riglander & Co., New York, N. Y. Nippers, pliers, and pincers. 210,612; June 23.
Hankins, Alvin H., Seattle, Wash. Finger rings, charms, medals, brooches, etc. 194,707; June 23.
Hanson Brothers Scale Company, Chicago, Ill. Weighing scales. 213,237; June 23.
Hargrove, E. E., Dallas, Tex. Medicinal preparation for gonorrhea, syphilis, and general blood tonic. 205,640; June 23.
Harper, James A., Supply Co., The, Kansas City, Mo. Cake flavoring and leavening mixture, dry. 211,744; June 23.
Haus Neuerburg O. H. G., Trier, Germany. Cigars, snuff, cigarettes, and tobaccos. 201,438; June 23.
Havana Manufacturing Company, Havana, Ill. Plowshares, lister shares, middle breaker shares, shovels, and shapes. 212,491; June 23.
Hawkeye Produce Company, Charlton, Iowa. Eggs. 211,946; June 23.
Hawley, Folsom Company, Boston, Mass. Flannel shirts, underwear for men and boys, hosiery, etc. 210,888; June 23.
Heine & Co., New York, N. Y. Essential oils. 213,501; June 23.
Heller, B., & Company, Chicago, Ill. Flavoring compound used in meat and meat products. 207,504; June 23.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, kerosene, lubricating oils and greases, etc. 167,395; June 23.
Hercules Gasoline Co., Los Angeles, Calif. Gasoline, petroleum, fuel oils, etc. 169,131; June 23.
Holland Varnish Company, Limited, The, Montreal, Quebec, Canada. Paints, paint oils, varnishes, etc. 212,258; June 23.
Houbigant, Inc., New York, N. Y. Perfume, toilet waters, face powder, etc. 213,899; June 23.
Hustler Toy Corporation, Sterling, Ill. Toys and games. 209,847; June 23.
Hutchins, Estella W., doing business as The Kool-on Company, New Haven, Ind. Healing hand lotion and shampoos. 210,792; June 23.
Huth, Walter H., doing business as Walbert Manufacturing Co., Chicago, Ill. Radio adjusting devices. 192,699; June 23.
Impervious Fabrics Company, Inc., Mount Vernon, N. Y. Waterproofed woven, knitted, and felted fabrics. 160,135. June 23.
Impervious Fabrics Company, Inc., Mount Vernon, N. Y. Waterproofed woven, knitted, and felted fabrics. 165,082; June 23.
International Steel Wool Corporation, Springfield, Ohio. Steel wool. 208,295; June 23.
Inter-Ocean Radio Corporation, Jersey City, N. J. Sound-amplifying horns for radio loud speakers. 211,271; June 23.
Jack O'Jack Company, The, Chicago, Ill. Crackers. 204,660; June 23.
Jeffrey Manufacturing Co., The, Columbus, Ohio. Rubber belting. 213,306–7; June 23.
Jenkins, William P., Dayton, Ohio. Medicine for kidney and b'adder troubles. 213,901; June 23.
Jersee Company. (See Dennie, Frank B.)
Jones, Helen L., New York, N. Y. Marmalade. 212,334; June 23.
Jordan Machine Tool Company, The, Minneapolis, Minn. Cylinder-boring machines. 212,556; June 23.
Kalbfleisch Corporation, The, New York, N. Y. Carboys. 211,788; June 23.
Kenney, Frank J., Dorchester, Nebr. Cigars. 214,366; June 23.
Keystone Watch Case Company, The, Philadelphia, Pa., and Riverside, N. J. Watches, watchcases, watch movements, and parts thereof. 209,166; June 23.
Kirsch Manufacturing Company, Sturgis, Mich. Metal curtain rods and attachments therefor. 211,442; June 23.
Knoebber, T., Co. Inc., Cincinnati, Ohio. Platinum bracelets, pins, and finger rings. 211,110; June 23.
Kohinoor Company, The, Providence, R. I. Pyroxylin lacquers and thinners, knifing compounds, and varnishes. 212,005; June 23.
Kolide Laboratories, Inc., New York, N. Y. Medicinal preparation—namely, an iodine colloid. 211,276; June 23.
Kool-on Company, The. (See Hutchins, Estella W.)
Kraus, Walter S., doing business as The Treecraft Co., New York, N. Y. Evergreens, trees, shrubs, grass, and flowers. 211,750; June 23.
Kronberg, Frank, Mount Angel, Oreg. Powders to be fed to animals. 213,441; June 23.
Kuehn, Charles A., St. Louis, Mo. Artificial flowers and leaves, etc., chenille. 209,411; June 23.
Lardo, The Blind Man, San Francisco, Calif. Window shades. 210,041; June 23.
Lehn & Fink, Inc., New York, N. Y. Flavoring extracts for foods. 210,484; June 23.
Lehn & Fink, Inc., New York, N. Y. Tea. 210,487; June 23.
Lesquendieu, J., Paris, France. Bath salts. 213,713; June 23.
Lewis, Samuel, New York, N. Y. Metal polish. 209,803; June 23.
Liberto, Frank, & Co., San Antonio, Tex. Castor oil, ammonia, and bluing. 212,740; June 23.
Liberty Radio Corporation, Los Angeles, Calif. Antenna tuners for radio sets. 210,674; June 23.
Limbert, John W., doing business as The Nutwheat Milling Co., Muncie, Ind. Breakfast cereal food. 211,280; June 23.
Lippincott, Henry S., Red Bank, N. J. Candy. 200,899; June 23.
Lockwood Co., Waterville, Me. Cotton piece goods. 212,007–9; June 23.
Low, N. S., & Co. Inc., New York, N. Y. Instrument trays. X-Ray apparatus, elastic stockings, surgical instruments, etc. 190,754; June 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Lowrey, Geo. N., Co., The, New York, N. Y. Printed periodical published monthly and at other intervals. 210,918; June 23.
Lyon & Healy, Inc., Chicago, Ill. Bass and snare drums, cymbals, and drumsticks. 191,634; June 23.
Lyon & Healy, Inc., Chicago, Ill. Bass and snare drums, cymbals, drumsticks, and cowbells. 191,635; June 23.
Magoay & Buscher, New York, N. Y. Banjo resonator attachment. 176,683; June 23.
Manhattan Electrical Supply Company, Incorporated, New York, N. Y. Dry batteries. 210,245; June 23.
Mann, Leo, Central Falls, R. I. Mattresses. 209,735; June 23.
Marcus & Marcus, Los Angeles, Calif. Glandular preparation. 213,587; June 23.
Marx, Maurice P., New York, N. Y. Electric boudoir lamps. 208,919; June 23.
Master Builders Company, The, Cleveland, Ohio. Colored cement, materials used for water proofing, etc., cement and concrete, and materials for patching stone and cement and concrete. 208,304; June 23.
Master Builders Company, The, Cleveland, Ohio. Paints, paint enamels, coloring pigments, and paint oils. 211,939; June 23.
May, Sidney E., Chicago, Ill. Chocolates and candies. 212,015; June 23.
McAnlis, James L., Cleveland, Ohio. Liquid shampoo, hair tonic, vanishing and cold creams, and face powder. 161,574; June 23.
McQuay Radiator Corporation, St. Paul, Minn. Rebound checks and snubbers. 212,822; June 23.
Mercury Manufacturing Company, Chicago, Ill. Electrical tractors and parts thereof. 209,230; June 23.
Mettler, Lee B., doing business as Lee B. Mettler Company, Los Angeles, Calif. Device for indicating the water level and when the water is boiling in radiators of automobiles, etc. 213,368; June 23.
Mifsud, Jose L., New York, N. Y. Cigarettes. 214,211; June 23.
Miller Rubber Company, The, Akron, Ohio. Pneumatic tires. 212,393; June 23.
Millinery Mart, Inc., The, New York, N. Y. Ladies' hats. 207,588; June 23.
Mor Fekete, doing business as Mor Fekete Chemisch-pharmazeutische Fabrik, Vienna, Austria. Pills. 195,233; June 23.
Munyon Remedy Company, Scranton, Pa. Tonic and body-building preparation and also used for enriching the blood. 210,743; June 23.
Murphy Varnish Company, Newark, N. J. Paints and varnishes. 213,027; June 23.
National Beverage Company, Chicago, Ill. Beverages sold as soft drinks. 208,003; June 23.
National Dairy Co., The, Toledo, Ohio. Skim milk concentrated with cream added. 177,921; June 23.
National Mill & Lumber Company, San Francisco, Calif. Ironing boards. 211,117; June 23.
National Sewing Machine Company, Belvidere, Ill. Sewing machines. 211,870; June 23.
Needham, Edward F., Los Angeles, Calif. Precast concrete vacuumized walls. 210,854; June 23.
Nelson, Isidor, New York, N. Y. Household and office furniture. 205,705; June 23.
New England Mica Co., Waltham, Mass. Mica insulating units. 213,140; June 23.
Newman Dube & Co., New York, N. Y. Boys' suits. 195,807; June 23.
New York Appetizer Company, The, Cleveland, Ohio. Sturgeon, bloaters, white fish, etc. 212,286; June 23.
Nice, Eugene E., Company, Philadelphia, Pa. Paints. 212,589; June 23.
Norris, Inc., Atlanta, Ga. Candy. 213,912; June 23.
Northland Farms. (See Sproul, William W.)
Nutwheat Milling Co., The. (See Limbert, John W.)
Ogden, Robert D., Hale, England. Game similar to tennis. 210,572; June 23.
O-Kola Company, Cincinnati, Ohio. Sirup used in the preparation of soft drinks. 212,945; June 23.
Olmstead, Albert, Philadelphia, Pa. Preparation used in the manipulation and conditioning of artificial silk. 213,729; June 23.
Opell, G. W., Co., The, Vincennes, Ind. Cakes. 195,831; June 23.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 212,949; June 23.
Pacolet Mfg. Co., Pacolet and Spartanburg, S. C., and New Holland, Ga. Cotton piece goods. 212,956–7; June 23.
Palanti, Mario, Beunos Aires, Argentina. Blocks, bricks, roof and floor tiles, and mosaic blocks. 180,720; June 23.
Palumbo, Michele, Medford, Mass. Palliative for paralysis. 213,189; June 23.
Paper Novelty Company, The, Green Bay, Wis. Paper napkins. 212,098; June 23.
Parisian Mfg. Co., New York, N. Y. Dresses. 203,051; June 23.
Pawtucket Manufacturing Co., Pawtucket, R. I. Bolts, studs, nuts, screens, etc. 210,009; June 23.
Peerless Sweater Mills, Inc., New York, N. Y. Knitted dresses, sweaters, and suits. 212,347; June 23.
Pilcher, J. V., doing business as J. V. Pilcher Mfg. Co., Louisville, Ky. Separable cuff buttons. 210,315; June 23.
Pilot Electric Mfg. Co., Inc., Brooklyn, N. Y. Condensers, jacks, plugs, rheostats, etc. 211,052; June 23.
Pinkham Holdings Co., Los Angeles, Calif. Fresh grapes. 212,962; June 23.
Placentia Orange Growers Association, Fullerton, Calif. Fresh oranges, lemons, grapefruit. 211,424; June 23.
Placentia Orange Growers Association, Fullerton, Calif. Fresh oranges, lemons, and grapefruit. 213,798–9; June 23.
Plankinton Packing Company, Milwaukee, Wis. Butter. 211,427; June 23.
Plant, Geo. P. Milling Company, St. Louis, Mo. Plain and self-rising wheat flour. 210,856; June 23.
Polte, Magdeburg, Germany. Domestic and kitchen utensils and gate valves. 208,159; June 23.
Powhatan Spring Water Co., The, Bridgeport, Conn. Distilled and spring waters, and beverages sold as soft drinks. 212,697; June 23.
Prentiss, William, jr., doing business as California Almond Confections Company, Long Beach, Calif. Nuts, candies, and confections. 211,614; June 23.
Preservaline Manufacturing Company, The, Brooklyn, N. Y. Chemicals for curing meats, preservatives, antiseptics, etc. 209,814; June 23.
Princess Z. (See Zizianoff, Princess Nina.)
Puckett, Paul R., Atlanta, Ga. Flash lights. 205,888; June 23.
Quaker City Chocolate & Confectionery Company, Philadelphia, Pa. Candy. 213,915; June 23.
Quave Canning Company, Biloxi, Miss. Canned vegetables. 214,094; June 23.
Radio Games Company, Peoria, Ill. Card game. 195,909; June 23.
Red Sun Products Co. (See Goldman, Sigmund L.)
Republic Knitting Mills, Inc., Brooklyn, N. Y. Knitted sweaters, suits, and dresses for women. 212,505; June 23.
Respro Inc., Providence, R. I. Adhesively-integrated fibrous material. 210,687; June 23.
Rex Products & Mfg. Company, Detroit, Mich. Water-softening powders of trisodium phosphate base. 188,932; June 23.
Reynolds Cosmetic & Hair Store. (See Walters, Maud R.)
Ridge, Jackson, doing business as Ridge Stucco Products Co., Los Angeles, Calif. Stucco. 213,921; June 23.
Riverdale Products Company, Chicago, Ill. Meat scraps, digester tankage, and animal feeds. 208,999; June 23.
Robinson, C. D., Company, St. Paul, Minn. Sugar. 210,500; June 23.
Rowsome, Richard S., Detroit, Mich. Automobile and furniture polish. 212,507; June 23.
S & S Machine & Tool Co. (See Berger Auto Signal Device Co.)
Sal-I-O Company, The, Le Roy, N. Y. Table salt containing iodine. 213,102; June 23.
San-I-Sal Laboratories, Inc., Washington, D. C. Laxative. 213,321; June 23.
Sax, Adolphe, Paris, France. Saxophones, tambourines, cymbals, etc. 203,539; June 23.
Schwartz Bros., Philadelphia, Pa. Portable chemical fire extinguishers. 212,968; June 23.
Sheaffer, W. A., Pen Co., Fort Madison, Iowa. Pens and pencils. 212,402; June 23.
Shelloid Co., The, Providence, R. I. Finishes possessing the character of enamel. 211,872; June 23.
Shepard Norwell Company, Boston, Mass. Gents' cravats, scarfs, mufflers, etc. 212,459; June 23.
Sidenberg, G., & Co., New York, N. Y. Piece goods of artificial silk and of silk and cotton mixtures. 210,813; June 23.
Slater, Howard W., doing business as Westchester Farm Products Company, Mamaroneck, N. Y. Butter. 185,506; June 23.
Slazenger, Frank L., Corporation, New York, N. Y. Golf clubs, tennis rackets, footballs, etc. 212,834; June 23.
Smith-McCord-Townsend Dry Goods Co., Kansas City, Mo. Fancy printed cotton poupee fabrics. 212,758; June 23.
Smith, Perkins & Co., Rochester, N. Y. Tea and coffee. 205,370; June 23.
Smith, Warner & Co., Inc., New York, N. Y. Fur trimmings. 195,022; June 23.
Société A. Crespel, Lille, France. Threads. 212,746; June 23.
Solvay Process Company, The, Solvay, N. Y. Chemical preparation for cleansing, bleaching, and softening hard water. 213,806; June 23.
Soma Products Co., Los Angeles, Calif. Bath salts, laxative tonic, mineral tablet and salts. 202,901; June 23.

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Sproul, William W., doing business as Northland Farms, Grand Rapids, Mich. Live chicks and eggs. 212,869; June 23.
Staatliche Porzellan Manufaktur Meissen, Meissen, Germany. Porcelain goods and earthenware. 209,705; June 23.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Coupon books. 213,203; June 23.
Standard Oil Company, Whiting, Ind., and Chicago, Ill. Coupon books and coupons. 213,204; June 23.
Stauffer Chemical Co., San Francisco, Calif. Soil fertilizer. 213,285; June 23.
Stein Brothers, Williamsport, Pa. Coats, vests, pants, shirts, knickerbockers, and overalls. 211,765; June 23.
Sterling Telephone and Electric Company Limited, The, London, England. Complete telephone and telegraph systems and radio receiving sets and parts thereof. 194,677; June 23.
String, J. S. & J. F., Incorporated, New Haven, Conn. Liquid fuel systems, burners, furnaces, heaters, and torches. 199,006; June 23.
Susser, Morris, New York, N. Y. Dressed furs. 211,958; June 23.
Tannenbaum, Isidor, doing business as I. Tannenbaum Co., New York, N. Y. Watches, watchcases, and watch movements. 214,036; June 23.
Thomson, S. H., Manufacturing Co., The, Dayton, Ohio. Radiator caps equipped with locks. 212,655; June 23.
Tiemann, George, & Co., New York, N. Y. Surgical instruments and parts thereof. 213,934; June 23.
Tiemann, George, & Co., New York, N. Y. Surgical instruments and parts thereof. 213,999; June 23.
Tokalon Chemical Corporation, New York, N. Y. Medicinal salts. 212,650; June 23.
Treecraft Co., The. (See Kraus, Walter S.)
Unique Art Manufacturing Co., Newark, N. J. Toy pianos and toy characters performing in connection therewith. 209,444; June 23.
United Printing Company, The, Youngstown, Ohio. Weekly publication. 210,691; June 23.
United States Graphite Co., The, Saginaw, Mich. Graphite boiler-scale preventive. 192,455; June 23.
Upland Lemon Growers Association, Upland, Calif. Fresh oranges, lemons, and grapefruit. 213,817; June 23.
Vivi, Inc., New York, N. Y. Face powders, packs, and creams, toilet waters, etc. 213,465–6; June 23.
W-K Electric Company, Kenosha, Wis. Radio receiving sets and parts thereof. 209,264; June 23.
Walbert Manufacturing Co. (See Huth, Walter H.)
Wallbrun, Kling & Co., Chicago, Ill. Card-writing ink. 211,895; June 23.
Walters, Maud R., doing business as Reynolds Cosmetic & Hair Store, St. Paul, Minn. Face lotion, massage cream, bleaching lotion, antiseptic oil, etc. 172,365; June 23.
Ware Shoals Mfg. Co., Ware Shoals, S. C., and New York, N. Y. Cotton piece goods. 212,840; June 23.
Warin & Cie, Paris, France. Hair tonic, rouges, toilet waters, etc. 209,258; June 23.
Waterbury, Jewel F., Lincoln, Nebr. Razor strops and razor-strop paste. 208,326; June 23.
Watkins, J. R., Company, The, Winona, Minn. Coffees. 202,728; June 23.
Weatherup, James, Philadelphia, Pa. Salves for treatment of colds, etc. 193,482; June 23.
Weideman Company, Inc., The, Cleveland, Ohio. Candy. 213,751; June 23.
West Kentucky Coal Company, Newark, N. J.; Sturgis and Paducah, Ky.; Cedar Rapids, Iowa; Madison, Wis.; Evansville and New Albany, Ind.; Louisville, Earlington, and Madisonville, Ky.; and Nashville and Memphis, Tenn. Coal. 211,807; June 23.
Westchester Farm Products Company. (See Slater, Howard W.)
Western Grocer Company, Marshalltown, Iowa. Cheese, creamery butter, dry lima beans, etc. 191,152; June 23.
Williams, D. S., doing business as Williams Bros. & Company, Wilkes-Barre, Pa. Canned vegetables and fruits, fruit preserves, corn meal, etc. 210,990; June 23.
Williams, R. C., & Company, Inc., New York, N. Y. Allspice, sliced dried beef, bouillon cubes, etc. 195,252; June 23.
Willich and Company, New Orleans, La. Rice. 211,818–19; June 23.
Windsor Manufacturing Co., Philadelphia, Pa. Worsted goods in the piece. 210,840; June 23.
Wireless Radio Corporation, New York, N. Y. Radio receiving sets and radio parts—namely, condensers, loud speakers, transformers, etc. 211,647; June 23.
Wireless Radio Corporation, New York, N. Y. Radio receiving sets and radio parts—namely, condensers. 211,648; June 23.
Wolsey Ltd., Leicester, England. Articles of clothing. 211,730; June 23.
Wootton & Dye, Plano and Dallas, Tex. Telephone reference cards. 213,107; June 23.
Wunderlin, August H., doing business as A. H. Wunderlin Company, Fort Wayne, Ind. Artificial fish baits. 212,168; June 23.
Wyman, Partridge & Co., Minneapolis, Minn. Knickers and long coats. 212,772; June 23.
Zizianoff, Princess Nina, doing business as Princess Z, New York, N. Y. Ladies' garments. 212,708; June 23.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 1.

Coal. A. S. Nowlin & Company. 200,072; June 23; Serial No. 208,357; published Apr. 7, 1925.
Coal. Trojan Coal Mining Company. 199,935; June 23; Serial No. 207,272; published Mar. 31, 1925.
Leather blanks. Penn Leather Company. 199,976; June 23; Serial No. 202,939; published Mar. 31, 1925.
Mica, Raw. William Brand & Co. 200,172; June 23.
Sponges and chamois skins. James H. Rhodes & Company. 199,946; June 23; Serial No. 207,886; published Apr. 7, 1925.
Timber. New Rochelle Coal & Lumber Co. 199,978; June 23; Serial No. 202,457; published Mar. 31, 1925.

CLASS 2.

Bags, Paper. Hammond Bag & Paper Co. 199,955; June 23; Serial No. 192,019; published Apr. 14, 1925.
Baskets, Display and counter. United Steel and Wire
Boxes and cartons, Paper. Fleischhacker Paper Box Co. 199,949; June 23; Serial No. 207,981; published Apr. 199,94[illegible] June 23; Serial No. 207,981; published Apr. 14, 1925.

CLASS 3.

Leather products. Amity Leather Products Co. 199,982; June 23; Serial No. 200,537; published Mar. 3, 1925.

CLASS 4.

Soap. Fischbeck Soap Company. 199,898; June 23; Serial No. 191,066; published Apr. 15, 1924.
Soap, Medical, toilet, and shaving. Penfield Soap Company. 46,471; renewed Sept. 19, 1925.
Soap, Toilet. F. R. Arnold & Co. 199,899; June 23; Serial No. 191,158; published July 1, 1924.

CLASS 5.

Cement, Belt. Holyoke Belting Company. 200,160; June 23.

Glue, Vegetable. F. W. Tunnell & Company. 200,149; June 23; Serial No. 200,443; published Apr. 14, 1925.

CLASS 6.

Alcohol, Solidified. Quick-Heat Company. 200,151; June 23.
Baking powder and cooking soda. Southern Soda Works Company. 45,521; renewed Aug. 22, 1925.
Baking soda and powder and saleratus. Church & Dwight Company. 46,901; renewed Oct. 17, 1925.
Compound used for boiling out the oil and foreign substance from silk and artificial silk. Kali Manufacturing Co. 200,163; June 23.
Corns, Preparation for. J. N. Harlow. 200,170; June 23.
Cream for the face, hands, etc. A. S. Hinds Co. 200,147; June 23; Serial No. 209,476; published Apr. 14, 1925.
Dyes, Vat. Dow Chemical Company. 200,164; June 23.
Lotion and camphor cream, Hand. Falk & Rees Chemical Company. 200,167; June 23.
Medicine for diarrhea, cramps, etc. D. J. Wholey. 200,158; June 23.
Medicine for the treatment of epilepsy, etc. Catron & Massingale. 200,185; June 23.
Oil, brilliantine, massage cream, etc., Antiseptic. A. M. Champion. 200,166; June 23.
Preparation for treatment of the intestinal tract. Reinschild Chemical Co. 200,016; June 23; Serial No. 209,188; published Mar. 31, 1925.
Preparation for treatment of the skin. D. A. Bennett. 200,178; June 23.
Preparations for treatment of certain named diseases. S. H. Winstead Medicine Co. 47,462; renewed Nov. 7, 1925.
Perfume. Beatrice Meyer, Ltd. 200,150; June 23; Serial No. 209,423; published Apr. 14, 1925.
Perfumes, toilet water, etc. Cheramy, Inc. 199,960; June 23; Serial No. 208,042; published Mar. 24, 1925.

Perfumes, toilet waters, face lotions, etc. Lionel Trading Co. 199,904; June 23; Serial No. 204,038; published Jan. 6, 1925.
Remedy for rheumatism and a reconstructive tonic. L. F. Caumont. 200,153; June 23.
Salve. F. W. Whiles. 200,183; June 23.
Soda. Sal. Church & Dwight Company. 46,902; renewed Oct. 17, 1925.

CLASS 8.

Cigarette papers. J. Schnabl. 199,913; June 23; Serial No. 196,679; published Apr. 14, 1925.
Cigarette wrappers and papers. Société Anonyme d'Exploitation des Papeteries L. Lacroix Fils. 199,901; June 23; Serial No. 195,421; published Apr. 14, 1925.
Pipes, Tobacco. Delncour & Lewis Corporation. 200,012; June 23; Serial No. 209,282; published Apr. 14, 1925.

CLASS 9.

Shells, Shot. Western Cartridge Company. 199,903; June 23; Serial No. 202,472; published Apr. 14, 1925.

CLASS 10.

Fertilizer. Verdure, Inc. 199,993; June 23; Serial No. 192,202; published Apr. 14, 1925.
Fertilizers. Badische Anilin- & Soda-Fabrik. 199,938–9; June 23; Serial Nos. 207,486–7; published Apr. 14, 1925.

CLASS 12.

Brick. Acme Brick Company. 200,057; June 23; Serial No. 208,544; published Mar. 31, 1925.
Brick, Fire and building. Birmingham Clay Products Co. 200,056; June 23; Serial No. 208,556; published Mar. 31, 1925.
Buildings, warehouses, bungalows, garages, and the like, Portable. Pottstown Steel Company. 199,941; June 23; Serial No. 207,515; published Mar. 31, 1925.
Cement for building purposes, Acid-proof. Neuhaus-Kuock Chemical Corporation. 200,047–8; June 23; Serial Nos. 209,099–100; published Apr. 7, 1925.
Construction materials. Panelyte Board Company. 199,961; June 23; Serial No. 189,986; published Mar. 3, 1925.
Lumber. Geo. M. Spiegle & Co. 199,967; June 23; Serial No. 172,017; published Mar. 31, 1925.
Pipe covering. Keasbey & Mattison Company. 199,962; June 26; Serial No. 187,626; published Mar. 31, 1925.
Plaster. Beaver Products Company. 199,922; June 23; Serial No. 205,728; published Mar. 31, 1925.
Plaster. Beaver Products Company. 199,924; June 23; Serial No. 205,733; published Mar. 31, 1925.
Plaster, Finishing. Beaver Products Company. 199,923; June 23; Serial No. 205,729; published Mar. 31, 1925.
Shingles. Ruberoid Co. 199,931; June 23; Serial No. 207,033; published Mar. 31, 1925.
Wire cloth and screens. Pacific Wire Works, Inc. 200,060; June 23; Serial No. 208,717; published Mar. 31, 1925.

CLASS 13.

Dispensing devices for toilet preparations. Tollaid Company. 199,987; June 23; Serial No. 194,064; published Mar. 31, 1925.
Pipe fittings. Pittsburgh Engineering Company. 200,132; June 23; Serial No. 209,938; published Apr. 14, 1925.
Rings, Bull. C. B. Wagner, jr. 200,156; June 23.
Sockets for use in securing screws, nails, etc. H. Loewenstein. 200,108; June 23; Serial No. 200,206; published Apr. 14, 1925.
Tire chains. Hoff Metal Products Company. 200,070; June 23; Serial No. 208,591; published Apr. 14, 1925.
Tire chains, Automobile. Superior Metal Products, Inc. 199,952; June 23; Serial No. 208,167; published Apr. 14, 1925.
Valves and pipe fittings. Columbus Machine Co. 200,175; June 23.
Valves for draining oil from crank cases of motor vehicl s. Seatless Valve Company. 200,102; June 23; Serial No. 203,008; published Apr. 14, 1925.

CLASS 14.

Castings, forgings, and boiler fittings. Eastern Steel Castings. 200,099; June 23; Serial No. 206,773; published Apr. 14, 1925.
Iron and steel. Fagersta Bruks Aktiebolag. 200,078; June 23; Serial No. 209,906; published Apr. 14, 1925.
Iron and steel. Fagersta Bruks Aktiebolag. 200,133; June 23; Serial No. 209,907; published Apr. 14, 1925.
Iron and steel. Fagersta Bruks Aktiebolag. 200,134; June 23; Serial No. 209,904; published Apr. 14, 1925.
Iron and steel. Fagersta Bruks Aktiebolag. 200,135–7; June 23; Serial Nos. 209,900–2; published Apr. 14, 1925.
Pickling crates, jet members, pipe fittings, and valve parts. Duriron Company. 200,100; June 23; Serial No. 207,233; published Apr. 14, 1925.
Welding wire. International Welding Engineering Corporation. 200,086; June 23; Serial No. 189,160; published Apr. 14, 1925.

CLASS 16.

Paint and paste paint, Mixed. Jas. H. Prince Paint Company. 200,176; June 23.
Paints. Illinois Oil Company. 200,168; June 23.
Paints, Liquid or ready-mixed. James F. Kurfees Paint Co. 47,075; renewed Oct. 24, 1925.
Polish, Wood, furniture, and automobile. Kinney Chemical Products Co. 199,965; June 23; Serial No. 183,576; published Mar. 10, 1925.

CLASS 17.

Cigarettes. Reed Tobacco Company. 200,118; June 23; Serial No. 209,107; published Apr. 7, 1925.
Cigars and cigarettes. Fitzpatrick & Draper. 200,145; June 23; Serial No. 209,632; published Apr. 14, 1925.
Tobacco and cigarettes. Cope Bros. & Co. 200,129–30; June 23; Serial Nos. 210,162–3; published Apr. 14, 1925.
Tobacco, Leaf. W. T. Grant & Co. 45,701–3; renewed Aug. 29, 1925.
Tobacco, Leaf. W. T. Grant & Co. 45,675–7; renewed Aug. 29, 1925.
Tobacco products. A. Ruben. 199,972; June 23; Serial No. 150,292; published Jan. 31, 1922.

CLASS 19.

Automobile bumpers. American Autoparts Company. 199,921; June 23; Serial No. 205,627; published Mar. 31, 1925.
Axles, springs, and bumpers for vehicles. Eaton Axle and Spring Company. 199,991; June 23; Serial No. 192,317; published Mar. 31, 1925.
Boats and vessels, railway and other cars, etc. Bethlehem Shipbuilding Corporation. 200,180; June 23.
Bumpers. Metal Stamping Company. 200,071; June 23; Serial No. 206,580; published Mar. 31, 1925.
Headlight controls. J. A. Kimball. 199,959; June 23; Serial No. 190,459; published Mar. 31, 1925.

CLASS 21.

Batteries, Automobile and radio storage. General Storage Battery Co. 200,009; June 23; Serial No. 209,647; published Apr. 7, 1925.
Brushes for motors and dynamos. Kohlenite Products Co. 200,017; June 23; Serial No. 209,090; published Apr. 7, 1925.
Current rectifiers, storage batteries, and parts thereof. Cleveland Engineering Laboratories Company. 200,003; June 23; Serial No. 199,933; published Apr. 7, 1925.
Photographs, electrically, Machines and apparatus for distance transmission of. Pacific & Atlantic Photos, Inc. 199,998; June 23; Serial No. 207,629; published Apr. 7, 1925.
Radio loud speakers, transformers, etc. Inter-State Radio Co. 200,002; June 23; Serial No. 201,959; published Apr. 7, 1925.
Radio receiving sets and parts thereof. Autometal Corporation. 200,015; June 23; Serial No. 209,194; published Apr. 7, 1925.
Radio receiving sets and parts thereof. Crosley Manufacturing Company. 200,018; June 23; Serial No. 209,077; published Apr. 7, 1925.
Radio receiving sets and parts thereof. Ramstone Corporation. 199,996; June 23; Serial No. 209,106; published Apr. 7, 1925.
Transformers. Precise Instrument Company. 200,022; June 23; Serial No. 208,777; published Apr. 7, 1925.
Wires and templates and instructions for building radio sets, Kits containing flexible. S. Newman. 200,013; June 23; Serial No. 209,233; published Apr. 7, 1925.

CLASS 22.

Baby walker and car, Combined. W. G. Volivn. 200,046; June 23; Serial No. 209,118; published Apr. 14, 1925.
Billiard and pocket-billiard balls. Brunswick-Balke-Collender Company. 200,041; June 23; Serial No. 209,276; published Apr. 14, 1925.
Games, Card. Funnies. 200,037; June 23; Serial No. 209,392; published Apr. 14, 1925.
Golf clubs. Morehead Golf Company. 200,143; June 23; Serial No. 209,677; published Apr. 14, 1925.
Tops, Spinning. E. B. Bertram. 200,042; June 23; Serial No. 209,272; published Apr. 14, 1925.
Toy building blocks and demountable toys. E. Walker. 200,138; June 23; Serial No. 209,883; published Apr. 14, 1925.
Wagons, Coaster. Burnham Manufacturing Co. 200,155; June 23.

CLASS 23.

Boring machines. Universal Boring Machine Company. 200,159; June 23.
Boring machines. Universal Boring Machine Company. 200,161; June 23.
Can openers. B. Couch. 200,090; June 23; Serial No. 208,456; published Apr. 14, 1925.
Clippers and neck shavers, Hair and beard. A. Coppel. 199,940; June 23; Serial No. 207,493; published Apr. 7, 1925.
Compound for tin weighting of silk. Kali Manufacturing Co. 200,162; June 23.
Engines, Oil and gas. Campbell Gas Engine Company Limited. 199,920; June 23; Serial No. 205,049; published Apr. 14, 1925.

Farming implements. Hocking Valley Mfg. Co. 200,088; June 23; Serial No. 208,984; published Apr. 14, 1925.
Files. Delta File Works. 200,096; June 23; Serial No. 206,280; published Apr. 14, 1925.
Files and rasps. Arcade File Works. 46,781; renewed Oct. 10, 1925.
Graders, Road. Gallon Iron Works & Mfg. Co. 200,085; June 23; Serial No. 209,341; published Apr. 7, 1925.
Joints, etc. New England Auto Products Company. 200,094; June 23; Serial No. 208,416; published Apr. 14, 1925.
Knives, cord cutters, stapling machines, clamping benches, etc. Markwell Manufacturing Co. 199,929; June 23; Serial No. 206,794; published Apr. 7, 1925.
Lathes, reamers, grinders, etc. W. E. Moore, jr. 200,144; June 23; Serial No. 209,676; published Apr. 14, 1925.
Lubricating rings. United States Graphite Co. 200,106; June 23; Serial No. 192,457; published Apr. 14, 1925.
Motors and internal-combustion engines, Gasoline marine. New York Yacht, Launch & Engine Co. 200,089; June 23; Serial No. 208,417; published Apr. 14, 1925.
Pistons. Holley Carburetor Company. 200,082; June 23; Serial No. 209,343; published Apr. 14, 1925.
Plows, hay presses, grain separators, etc. A. B. Farquhar Company. 200,059; June 23; Serial No. 208,803; publishing Apr. 14, 1925.
Pneumatic-tube systems and parts thereof. G. & G. Atlas Systems Inc. 200,109; June 23; Serial No. 208,512; published Apr. 14, 1925.
Presses for embossing, marking, printing, and stamping. A. M. Kennedy & Co. 199,947; June 23; Serial No. 207,789; published Apr. 7, 1925.
Printing and bookbinding and kindred industries, Machines and parts for the. Schnellpressenfabrik Act.-Ges. Heidelberg. 200,084; June 23; Serial No. 209,007; published Apr. 14, 1925.
Rakes. G. S. H. Specialty Company. 200,095; June 23; Serial No. 201,235; published Apr. 14, 1925.
Resaws, squeezers, matches, etc., Vertical. Mereen-Johnson Machine Co. 200,107; June 23; Serial No. 198,579; published Apr. 14, 1925.
Sharpening device, Razor-blade-. G. B. Landa. 200,081; June 23; Serial No. 209,853; published Apr. 14, 1925.
Soda fountains and parts thereof. Sodastream Limited. 200,085; June 23; Serial No. 209,142; published Apr. 14, 1925.
Stocks and dies, pipe cutters, vises, etc. George W. Warner & Co. 199,926; June 23; Serial No. 205,067; published Mar. 17, 1925.
Tractors. Clark Tructractor Company. 200,148; June 23; Serial No. 206,461; published Apr. 7, 1925.
Trench-digging machines. Cleveland Trencher Company. 200,091; June 23; Serial No. 208,794; published Apr. 14, 1925.

CLASS 24.

Washing and dry-cleaning machines. American Laundry Machinery Company. 199,896; June 23; Serial No. 182,328; published Sept. 16, 1924.
Washing machines. Altorfer Bros. Co. 200,032; June 23; Serial No. 207,643; published Apr. 7, 1925.

CLASS 25.

Locking devices. Theft-prevention. Richard M. Decker Company. 199,930; June 23. Serial No. 206,996; published Mar. 17, 1925.

CLASS 26.

Compasses, banking indicators, pilot tubes, etc. Pioneer Instrument Company. 200,087; June 23; Serial No. 208,928; published Apr. 14, 1925.
Pictures, Moving. C. B. C. Film Sales Corporation. 200,182; June 23.

CLASS 27.

Watches. Buss-Linthicum-Thorson, Inc. 200,029; June 23; Serial No. 207,965; published Apr. 7, 1925.

CLASS 29.

Brushes, Artists'. M. Grumbacher. 200,173; June 23.

CLASS 30.

Chinaware. Nathan Straus & Sons, Inc. 200,125; June 23; Serial No. 206,601; published Apr. 14, 1925.

CLASS 32.

Baby yards. J. S. Waterhouse. 200,177; June 23.
Cabinets, mantels, tables, seats, and benches. New Rochelle Coal & Lumber Co. 199,977; June 23; Serial No. 202,561; published Mar. 31, 1925.

CLASS 33.

Glass jars and bottles. Ohio Glass Products Company. 199,909; June 23; Serial No. 206,537; published Apr. 14, 1925.

CLASS 34.

Furnaces and heaters. American Furnace Company. 200,187; June 23.
Lighting devices, Cigar and cigarette. E. & J. Bass, Inc. 199,933; June 23; Serial No. 207,118; published Apr. 7, 1925.
Oil-burning system, oil-firing-furnace fronts, oil burners, etc., Marine. John S. Patten Engineering Co. 199,925; June 23; Serial No. 205,945; published Mar. 31, 1925.
Registers, Warm-air. Rock Island Register Company. 200,068; June 23; Serial No. 208,612; published Mar. 31, 1925.
Stoves. Crescent Stove Works. 200,053 June 23; Serial No. 208,959; published Apr. 7, 1925.
Stoves, Cooking. M J B Metallwarenfabrik Josef Rosenthal Aktiengesellschaft. 199,985; June 23; Serial No. 196,468; published Apr. 7, 1925.
Welding and cutting apparatus, Oxyacetylene. Air Reduction Company. 199,934; June 23; Serial No. 207,221; published Apr. 7, 1925.

CLASS 35.

Belting, Leather. Holyoke Belting Company. 200,074; June 23; Serial No. 208,400; published Mar. 31, 1925.
Brake linings. Lee Rubber and Tire Corporation. 200,049; June 23; Serial No. 209,093; published Mar. 31, 1925.
Tires. T. O. Probey Company. 200,152; June 23.
Tires and fabric belting, Woven cord fabrics for use in the manufacture of. Textiles Development Corporation. 199,957; June 23; Serial No. 191,102; published Apr. 7, 1925.
Tires and inner tubes, Automobile. A. A. Guenther. 199,983; June 23; Serial No. 186,365; published Jan. 1, 1924.
Tires, Rubber. Fisk Rubber Company. 199,966; June 23; Serial No. 178,031; published Mar. 31, 1925.

CLASS 38.

Books. Lothrop, Lee & Shepard Co. 47,426; renewed Nov. 7, 1925.
Printing establishment and studio products, posters, etc. E. E. Uhler. 200,169; June 23.

CLASS 39.

Bathing suits, belts, collars, caps, etc. W. G. Becker. 200,122; June 23; Serial No. 208,180; published Apr. 14, 1925.
Bathing suits, belts, collars, caps, etc. W. G. Becker. 200,123; June 23; Serial No. 208,036; published Apr. 14, 1925.
Boots and shoes. Thompson Bros. Shoe Co. 200,007; June 23; Serial No. 209,950; published Apr. 14, 1925.
Brassières. Chas. R. De Bevoise Co. 199,994; June 23; Serial No. 210,046; published Apr. 14, 1925.
Burial dresses and suits. Interstate Casket Company. 200,114; June 23; Serial No. 210,050; published Apr. 14, 1925.
Clothing, Men's. J. R. Munn. 200,119; June 23; Serial No. 209,053; published Apr. 14, 1925.
Cravats, mufflers, necktles, and reefers. Made Well Knitting Mills, Inc. 200,126; June 23; Serial No. 196,532; published Apr. 14, 1925.
Dress patterns of voile, etc. York Maufacturing Co. 200,120; June 23; Serial No. 208,543; published Apr. 7, 1925.
Dresses and frocks. Sherr Bros. 200,140; June 23; Serial No. 209,754; published Apr. 7, 1925.
Fur coats, boas, collars, and stoles. M. Susser. 199,951; June 23; Serial No. 208,078; published Apr. 7, 1925.
Girdles, Elastic. Perfolastic, Inc. 200,004; June 23; Serial No. 210,312; published Apr. 7, 1925.
Gloves, mittens, and gauntlets, Work. M. B. Hamilton & Co. 200,000–1; June 23; Serial Nos. 205,828–9; published Apr. 7, 1925.
Gloves, mittens, gauntlets. M. B. Hamilton & Co. 199,907; June 23; Serial No. 205,827; published Apr. 7, 1925.
Hats. N. Fransblau. 200,008; June 23; Serial No. 209,781; published Apr. 7, 1925.
Hats and caps, Men's. Joseph H. Ward (Bredbury) Limited. 199,911–12; June 23; Serial Nos. 207,277–8; published Apr. 7, 1925.
Hosiery. Philadelphia Hosiery Mills. 200,064; June 23; Serial No. 208,675; published Apr. 7, 1925.
Hosiery. Strawbridge & Clothier. 200,113; June 23; Serial No. 210,089; published Apr. 14, 1925.
Millinery. S. Katzin. 200,028; June 23; Serial No. 207,906; published Apr. 7, 1925.
Mittens, Oven. C. J. Nadherny. 200,019; June 23; Serial No. 208,993; published Apr. 7, 1925.
Mufflers. Weiss & Zahler. 200,116; June 23; Serial No. 209,513; published Apr. 7, 1925.
Necktles. J. McCurrach & Brother. 200,141–2; June 23; Serial Nos. 209,739–40; published Apr. 7, 1925.
Neckwear. Kadet Kruger Co. 199,910; June 23; Serial No. 207,191; published Apr. 14, 1925.
Neckwear, Men's. National Shirt Shops, Inc. 200,055; June 23; Serial No. 208,819; published Apr. 7, 1925.
Overalls, jackets, and overall union suits, children's play suits and rompers, Men's. P. Miller. 200,021; June 23; Serial No. 208,817; published Apr. 14, 1925.
Rubber heels and soles. Holtite Manufacturing Co. 200,023; June 23; Serial No. 208,900; published Apr. 7, 1925.
Shirts. Cluett, Peabody & Co. 200,111; June 23; Serial No. 209,897; published Apr. 14, 1925.
Shirts. Yorke Shirt Company. 200,033; June 23; Serial No. 207,538; published Apr. 14, 1925.

Shirts and boys' blouses, Men's and boys' work. Reliance Manufacturing Company. 200,117; June 23; Serial No. 209,175; published Apr. 14, 1925.
Shirts, skirts, waists, hats, etc. Shepard Norwell Co. 200,027; June 23; Serial No. 206,111; published Apr. 14, 1925.
Shirts, undershirts, collars, and cuffs. Earl & Wilson. 200,121; June 23; Serial No. 208,387; published Apr. 14, 1925.
Shirts, underwear, hosiery, sweaters, etc. Werner Export Company. 199,895; June 23; Serial No. 180,569; published Apr. 14, 1925.
Shirts, Work. Gordon Shirt Company. 199,897; June 23; Serial No. 190,501; published Apr. 14, 1925.
Shoes. Field & Flint Co. 199,894; June 23; Serial No. 175,718; published June 5, 1923.
Shoes, Leather. F. D. Ball. 199,997; June 23; Serial No. 208,092; published Apr. 14, 1925.
Shoes, Leather. Edmonds Shoe Company. 200,006; June 23; Serial No. 209,979; published Apr. 14, 1925.
Shoes, Men's. Associated Merchandising Corporation. 200,005; June 23; Serial No. 210,210; published Apr. 7, 1925.
Shoes, Women's. Associated Merchandising Corporation. 199,996; June 23; Serial No. 210,215; published Apr. 14, 1925.
Suits and coats for men and boys. Sampeck Clothes, Inc. 200,104; June 23; Serial No. 210,252; published Apr. 14, 1925.
Suits, overcoats, trousers, and raincoats. Samuel Yatter Co. 200,073; June 23; Serial No. 208,886; published Apr. 7, 1925.
Suits, riding habits, dresses, skirts, etc. Bonwit Teller & Company. 200,188; June 23.
Suits, vests, coats, and trousers. John B. Manly Company. 200,124; June 23; Serial No. 207,086; published Apr. 7, 1925.
Sweaters. Manhattan Knitting Mills. 200,139; June 23; Serial No. 209,799; published Apr. 7, 1925.
Sweaters, hosiery, and knitted underwear. Campe Corporation. 200,112; June 23; Serial No. 209,974; published Apr. 14, 1925.
Swimming suits. Manhattan Knitting Mills. 200,045; June 23; Serial No. 209,132; published Apr. 7, 1925.
Underwear, Men's. National Shirt Shops, Inc. 200,069; June 23; Serial No. 208,602; published Apr. 7, 1925.
Vests, slips, petticoats, bloomers, etc. Roberts-Frank Company. 200,024; June 22; Serial No. 208,810; published Apr. 14, 1925.
Wearing apparel, Athletic. J. W. Dwyer. 199,954; June 23; Serial No. 192,068; published Apr. 7, 1925.

CLASS 41.

Umbrellas, parasols, and canes. Bissing & Altshuler, Inc. 200,103; June 23; Serial No. 210,218; published Apr. 14, 1925.

CLASS 42.

Carpets and rugs. Stephen Sanford & Sons, Inc. 200,154; June 23.
Cotton and cotton and silk mixed piece goods. Loeffler, Brewer & Co. 200,030; June 23; Serial No. 207,791; published Apr. 14, 1925.
Cotton and silk piece goods. John V. Farwell Company. 199,902; June 23; Serial No. 196,014; published Apr. 14, 1925.
Cotton and silk piece goods. Voss & Stern, Inc. 199,906; June 23; Serial No. 206,203; published Apr. 14, 1925.
Cotton goods in the piece. American Bleached Goods Company. 199,940; June 23; Serial No. 166,337; published July 22, 1924.
Cotton, silk, and woolen piece goods, sheets, pillowcases, and towels. Daniel Miller Company. 200,014; June 23; Serial No. 209,231; published Apr. 14, 1925.
Duck, Hose and belting. Unity Cotton Mills. 200,025; June 23; Serial No. 208,538; published Apr. 14, 1925.
Fabrics in the piece. American Cellulose & Chemical Manufacturing Company. 200,026; June 23; Serial No. 208,175; published Apr. 14, 1925.
Fabrics in the piece, Cord, chafer, etc. Unity Cotton Mills. 200,034; June 23; Serial No. 208,537; published Apr. 14, 1925.
Knitted woolen cloth. Shawmut Woolen Mills. 199,973 June 23; Serial No. 105,997; published Nov. 25, 1919
Prints in the piece. Samuel Eiseman & Co. 200,081 June 23; Serial No. 207,658; published Apr. 14, 1925
Silk fabrics, Artificial. Artzilk Knitting Mills Inc 199,906; June 23; Serial No. 206,811; published Apr 14, 1925.
Silk piece goods. Hess, Goldsmith & Co. 200,115; June 23; Serial No. 209,215; published Apr. 14, 1925.
Umbrella silk piece goods. Haenichen Bros. Silk Co 199,953; June 23; Serial No. 193,397; published Nov 4, 1924.
Wool fabric, Knitted. Neyman Knitting Mills. 200,010; June 23; Serial No. 209,491; published Apr. 14, 1925
Woolen piece goods. Forstmann & Huffmann Company 199,900; June 23; Serial No. 195,370; published Apr. 14, 1925.
Woolen piece goods. Forstmann & Huffmann Company. 199,905; June 23; Serial No. 204,602; published Apr 14, 1925.

CLASS 43.

Thread and yarn. S. & H. Dyeing Co. 200,023; June 23; Serial No. 208,723; published Apr. 14, 1925.
Threads and yarns, Cotton. Richardson Silk Company. 200,105; June 23; Serial No. 151,563; published Nov. 29, 1921.
Yarns. Menomme Spinning Company. 200,011; June 23; Serial No. 209,300; published Apr. 14, 1925.

CLASS 44.

Electric machines, High-frequency. Wappler Electric Company. 200,174; June 23.
Face masks and skin-treating appliances. Susanna Cocroft Laboratories, Inc. 200,092; June 23; Serial No. 208,898; published Apr. 14, 1925.
Sanitary bloomers. I. B. Kleinert Rubber Company. 210,101; June 23; Serial No. 207,145; published Apr. 14, 1925.

CLASS 45.

Beverages. Fitger Company. 200,052; June 23; Serial No. 209,030; published Apr. 14, 1925.
Beverages. J. G. Fox. 200,146; June 23; Serial No. 209,568; published Apr. 14, 1925.
Beverages. Mamoit Bottling Co. 200,035; June 23; Serial No. 209,419; published Apr. 14, 1925.
Beverages and cordials and sirups and extracts used in the preparation of same. W. P. Schramm. 200,054; June 23; Serial No. 208,929; published Apr. 14, 1925.
Beverages and sirups for compounding same. Crawford Johnson & Co. 200,039–40; June 23; Serial Nos. 209,279–80; published Apr. 14, 1925.
Ginger ale. H. Guggenheim. 200,128; June 23; Serial No. 210,167; published Apr. 14, 1925.
Ginger ale. J. V. Miscovich. 199,927; June 23; Serial No. 206,422; published Apr. 14, 1925.
Grape juice. Great Atlantic & Pacific Tea Company. 199,975; June 23; Serial No. 208,267; published Apr. 14, 1925.

CLASS 46.

Bread. Golden Rule Baking Company. 200,068; June 23; Serial No. 208,807; published Mar. 31, 1925.
Bread. C. H. Goodiss. 199,988; June 23; Serial No. 171,018; published Mar. 24, 1925.
Bread. San Joaquin Baking Co. 200,189; June 23.
Bread for infants and invalids, Prepared. Societe l'Aliment Essentiel. 199,918; June 23; Serial No. 204,794; published Apr. 7, 1925.
Cakes, pies, and bread. R. H. Levy. 199,960; June 23; Serial No. 201,569; published Mar. 31, 1925.
Candy. Paul F. Beich Company. 200,131; June 23; Serial No. 210,034; published Apr. 14, 1925.
Candy. Maison Marie. 199,917; June 23; Serial No. 204,712; published Apr. 14, 1925.
Candy. A. G. Morse Co. 200,076; June 23; Serial No. 210,081; published Apr. 14, 1925.
Candy. Reymer & Brothers, Incorporated. 46,686–7; renewed Oct. 3, 1925.
Candy. Schutter-Johnson Candy Co. 199,902; June 23; Serial No. 192,227; published Apr. 14, 1925.
Candy. Smartset Bonbonniere, Inc. 200,097; June 23; Serial No. 210,413; published Apr. 14, 1925.
Canned fish and fruits. K. Hovden Co. 199,990; June 23; Serial No. 192,385; published May 6, 1924.
Canned goods. G. R. Howard. 200,060; June 23; Serial No. 210,058; published Apr. 14, 1925.
Canned goods, condensed milk, potted meat, etc. W. H. Dunne Co. 199,949; June 23; Serial No. 205,000; published Apr. 7, 1925.
Canned pineapple. Pearl City Fruit Co. 200,075; June 23; Serial No. 210,310; published Apr. 14, 1925.
Canned prunes. Drager Fruit Co. 200,184; June 23.
Canned vegetables. Naomi Canning Co. 200,127; June 23; Serial No. 210,308; published Apr. 14, 1925.
Cheese. John Blumers & Bros. Inc. 199,986; June 23; Serial No. 194,430; published Jan. 6, 1925.
Cheese. Tilsn Pure Food Corporation. 200,062; June 23; Serial No. 208,688; published Mar. 31, 1925.
Coffee. Schreiber Products Corporation. 199,956; June 23; Serial No. 191,510; published Apr. 14, 1925.
Coffee, tea, food-flavoring extracts, and spices. St. Louis Coffee & Spice Mills. 199,989; June 23; Serial No. 192,504; published Apr. 7, 1925.
Crackers. C. Cartlidge. 200,061; June 23; Serial No. 208,697; published Mar. 31, 1925.
Crackers, Graham. Pasadena Biscuit Company. 200,157; June 23.
Eggs. Challenge Cream and Butter Association. 200,066; June 23; Serial No. 208,640; published Apr. 7, 1925.
Flavoring essence, chocolate, pea soup, gruel. Food Products Ltd. 200,171; June 23.
Flour, cereal breakfast food, poultry and stock feeds, Wheat and pancake. Cherry City Milling Company. 199,943; June 23; Serial No. 207,615; published Apr. 7, 1925.
Flour, corn meal, and feeds, Wheat. Thibault Milling Co. 199,937; June 23; Serial No. 207,480; published Mar. 31, 1925.
Flour, Wheat. Birdsey Flour Mills. 199,915; June 23; Serial No. 204,004; published Apr. 7, 1925.
Flour, Wheat. Boyd Milling Company. 199,953; June 23; Serial No. 2[illegible]3,276; published Mar. 31, 1925.

Flour, Wheat. Loudonville Milling Company. 200,065; June 23; Serial No. 208,665; published Mar. 31, 1925.
Flour, Wheat. Maney Milling Co. 200,036; June 23; Serial No. 209,418; published Apr. 14, 1925.
Flour, Wheat. Owensboro Milling Co. 200,082; June 23; Serial No. 209,427; published Apr. 14, 1925.
Flour, Wheat. Star Milling Company. 199,979; June 23; Serial No. 164,886; published Apr. 7, 1925.
Flour, Wheat. White Satin Sugar Company. 199,928; June 23; Serial No. 206,759; published Apr. 14, 1925.
Flour, Wheat. Wilcox-Hayes Co. 199,944; June 23; Serial No. 207,638; published Apr. 7, 1925.
Flour, Whole-wheat. Konrad Schreier Co. 199,932; June 23; Serial No. 207,064; published Mar. 31, 1925.
Food, Breakfast. C. A. Humphrey. 199,916; June 23; Serial No. 204,555; published Feb. 3, 1925.
Food, Cereal breakfast. Ralston Company. 199,964; June 23; Serial No. 185,182; published Apr. 7, 1925.
Food, Fish. W. G. Motion. 200,033; June 23; Serial No. 208,155; published Apr. 14, 1925.
Food, Poultry and stock breeding. Western Maryland Dairy. 200,051; June 23; Serial No. 208,072; published Apr. 7, 1925.
Foods, dog, poultry, and bird. Stamina Foods Co. Ltd. 199,984; June 23; Serial No. 198,262; published Feb. 10, 1925.
Fruits, Fresh citrous. Terra Bella Citrus Association. 199,979; June 23; Serial No. 201,721; published Oct. 7, 1924.
Ice cream. Wheat's Ice Cream Company. 200,067; June 23; Serial No. 208,627; published Apr. 7, 1925.
Icing preparations, food-flavoring extracts, and baking mixtures for cakes. Grennan Cake Corporation. 199,960; June 23; Serial No. 190,407; published Apr. 7, 1925.
Oils, Olive. F. S. Rivera. 199,945; June 23; Serial No. 207,086; published Apr. 7, 1925.
Oleomargarine. John F. Jelke Company. 199,936; June 23; Serial No. 207,371; published Apr. 14, 1925.
Oleomargarine. John F. Jelke Company. 200,043–4; June 23; Serial Nos. 209,217–18; published Apr. 7, 1925.
Oranges. Edison Citrus Association. 200,110; June 23; Serial No. 205,819; published Apr. 14, 1925.
Poultry, Dressed. Fremont Packing Company. 200,077; June 23; Serial No. 210,117; published Apr. 14, 1925.
Poultry, Dressed. Salina Poultry Company. 200,079; June 23; Serial No. 209,942; published Apr. 14, 1925.
Salad dressings. Factory Products Distributors. 199,999; June 23; Serial No. 206,662; published Feb. 24, 1925.
Sandwiches. W. B. Hicks. 200,181; June 23.
Sirup, Corn. Union Starch & Refining Company. 199,974; June 23. Serial No. 203,915; published Apr. 7, 1925.
Tea, coffee, flavoring extracts, spices, cocoa, etc. Athletic Tea Company. 199,971; June 23; Serial No. 164,481; published Apr. 7, 1925.
Tinned and preserved fish and meat, fish and meat balls, sausage, farce fish and meat. A/S Firda. 199,914; June 23; Serial No. 204,390; published Apr. 7, 1925.
Wafers, Nut. Arcadia French Pastry and Candy Mfg. Co. 200,098; June 23; Serial No. 206, 147; published Apr. 14, 1925.

CLASS 50.

Blackboard. Beaver Products Company. 199,961; June 23; Serial No. 201,424; published Mar. 31, 1925.
Felts, Papermakers'. F. C. Huyck & Sons. 200,179; June 23.
Incubators and brooders. Automatic Incubator Co. 200,186; June 23.
Letters for changeable signs, Celluloid. Tablet & Ticket Company. 199,983; June 23; Serial No. 199,331; published Apr. 7, 1925.
Matrix dry mat or board. Certified Dry Mat Corporation. 199,942; June 23; Serial No. 207,553; published Mar. 31, 1925.
Monuments, markers, and memorial stones. Lardner Monument Works. 199,958; June 23; Serial No. 190,795; published Mar. 31, 1925.
Oil-press cloth. Southern Press Cloth Manufacturing Company. 200,083; June 23; Serial No. 208,684; published Mar. 31, 1925.
Shoe trees. J. Goldsmith, jr. 200,050; June 23; Serial No. 209,083; published Apr. 7, 1925.
Tombstones and monuments. M. I. Da Lee. 199,946; June 23; Serial No. 207,710; published Mar. 31, 1925.

ALPHABETICAL LIST OF LABELS.

B. & B. Polychrome Clay. For Metal Packages Containing Polychrome Clay. Polychrome Supply Company. 28,858; June 23.
Blue Seal Extra Fancy. For Bananas. F. Inserillo & Co. 28,853; June 23.
Egyptol Junior. For Egyptol Jr., a Medicinal Preparation. Gatlin Laboratories, Inc. 28,850; June 23.
Egyptol Red Caps. For a Medicinal Product. Gatlin Laboratories, Inc. 28,851; June 23.
Gingham Socks. For Hosiery. Toewear Hosiery Inc. 28,860; June 23.
Gold Label. For Butter. Menasha Printing and Carton Company. 28,857; June 23.
Heidelberg Brand Malt Extract. For Malt Extract. E. Kuehn. 28,855; June 23.
Homaid Butter. For Butter. Menasha Printing and Carton Company. 28,856; June 23.
Milo Joy. For Chewing Gum. A. Colker. 28,848; June 23.
Packed For Safeway Stores, Incorporated. For Matches. Safeway Stores, Incorporated. 28,859; June 23.
Red Seal Fancy. For Bananas. F. Inserillo & Co. 28,854; June 23.
Sweetheart Bath Salts. For Bath Salts. E. Hunsinger. 28,852; June 23.
Wilshire. For Women's Cloaks. French-American Cloak & Suit Mfg. Co. 28,849; June 23.

ALPHABETICAL LIST OF PRINTS.

Beware! warns The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,017; June 23.
Crane's Cordlinear. For Paper. Eaton, Crane & Pike Company. 8,007; June 23.
Four out of Five now lose! For Preparation for the Teeth. Forhan Company. 8,008; June 23.
List of Members. For Lumber and Lumber Products. Western Pine Manufacturers Association. 8,024; June 23.
Plate No. 1. For No. 1 Diamoblox—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 8,021; June 23.
Plate No. H1. For No. 1 Hexoblox—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 8,023; June 23.
Plate No. H2. For No. 2 Hexoblox—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 8,022; June 23.
Prevention. For Dental Cream. E. R. Squibb & Sons. 8,020; June 23.
Print Your Christmas Cards. For Christmas Cards. King Card Company. 8,010; June 23.
Safeguard your health at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,013; June 23.
Safeguard your health at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,016; June 23.
Sensitive teeth warn of Acid Decay at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,012; June 23.
Show It and Sell It. For Store Equipment. Duluth Show Case Company. 8,006; June 23.
Special Offer No. For Perfume. Babbitt Co. 8,004; June 23.
Stop Acid Decay at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,018; June 23.
Taste it! Smell it! It's Entirely Different. For Malt Extract. Red Top Malt Extract Co. 8,011; June 23.
The Gripnatik Co. For Tools. Gripnatik Company. 8,009; June 23.
The Peril at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,015; June 23.
Watch The Danger Line! For Dental Cream. E. R. Squibb & Sons. 8,019; June 23.
Xtra-Taps. For Electrical Wiring Devices. Beaver Machine & Tool Co. 8,005; June 23.
You, too, are warned of trouble at The Danger Line. For Dental Cream. E. R. Squibb & Sons. 8,014; June 23.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Coal. West Kentucky Coal Company. 211,397; June 23.
Evergreens, trees, shrubs, grass, and flowers. W. S. Kraus. 211,750; June 23.
Furs, Dressed. M. Susser. 211,958; June 23.
Leather. American Oak Leather Co. 209,523; June 23.
Pelts, Fox. Detroit Silver Fox Farms. 208,385; June 23.
Plastic modeling material. American Crayon Company. 212,847; June 23.

CLASS 2.

Barrels, Seamless steel work. Bradford Motor Works. 213,950; June 23.
Carboys. Kalbfleisch Corporation. 211,788; June 23.

CLASS 4.

Eyeglass wiper. H. Deutsch. 213,066; June 23.
Polish, Metal. S. Lewis. 209,303; June 23.
Razor strops and razor-strop paste. J. F. Waterbury. 208,826; June 23.
Soap. Great Stuff Products Company. 164,513; June 23.
Steel wool. International Steel Wool Corporation. 206,295; June 23.

CLASS 6.

Antiseptics and internal disinfectants. Actien Gesellschaft für Anilin Fabrikation. 210,994; June 23.
Chemical preparation for cleansing, bleaching, and softening of hard water. Solvay Process Company. 213,800; June 23.
Chemical reagents. Central Scientific Company. 213,004; June 23.
Chemicals for curing meats, preservatives, antiseptics, etc. Preservaline Manufacturing Company. 209,514; June 23.
Cream-impregnated tissues, Cold-. J. S. Berliner. 212,850; June 23.
Deodorants, Burning. Bauer & Black. 207,608; June 23.
Glandular preparation. Marcus & Marcus. 213,587; June 23.
Hair tonic, rouges, toilet water, etc. Warin & Cie. 209,258; June 23.
Insecticides and fungicides. Acme White Lead & Color Works. 213,758; June 23.
Laxative compounds, preparation for hemorrhoidal complaints, and blood purifiers. Allerton Drug Company. 210,996; June 23.
Laxatives. San-I-Sal Laboratories, Inc. 213,321; June 23.
Lotion and shampoos, Healing hand. E. W. Hutchins. 210,792; June 23.
Lotion, massage cream, bleaching lotion, antiseptic oil, etc., Face. M. R. Walters. 172,365; June 23.
Medicinal compound to be used in the treatment of rheumatism, colds, grippe, etc. E. P. Ferté. 211,161; June 23.
Medicinal preparation and blood tonic. E. E. Hargrove. 205,640; June 23.
Medicinal preparation—namely, an iodine colloid. Kolide Laboratories, Inc. 211,276; June 23.
Medicine for kidney and bladder troubles. W. P. Jenkins. 213,901; June 23.
Medicines. Ensign Company. 212,789; June 23.
Oil, ammonia, and bluing, Castor-. Frank Liberto & Co. 212,740; June 23.
Oils, Essential. Heine & Co. 213,501; June 23.
Palliative for paralysis. M. Palumbo. 213,189; June 23.
Perfume, toilet water, face powder, etc. Houbigant, Inc. 213,899; June 23.
Perfumery, hair tonic, and face powder. Alps Drug Co. 212,710; June 23.
Pills. Mor Fekete. 195,283; June 23.
Powders, packs, and creams, toilet waters, etc., Face. Vivi, Inc. 213,465–6; June 23.
Powders to be fed to animals. F. Kronberg. 213,441; June 23.
Preparation for baldness, gray hair, and wrinkles. L. C. Desmond. 211,907; June 23.
Preparation for coughs, etc. Crystal Chemical Company. 213,771; June 23.
Preparation used in the manipulation and conditioning of artificial silk. A. Olmstead. 213,720; June 23.
Rouge, rouge compacts, and refills for same. L. H. Colpe. 210,884; June 23.
Salt containing iodine, Table. Sal-I-O Company. 213,102; June 23.
Salts, Bath. J. Lesquendieu. 213,713; June 23.
Salts, laxative tonic, mineral tablet, etc., Bath. Soma Products Co. 202,901; June 23.
Salts, Medicinal. Tokalon Chemical Corporation. 212,656; June 23.

Salves for treatment of colds, etc. J. Weatherup. 193,482; June 23.
Shampoo, hair tonic, vanishing and cold cream, and face powder in cream form, Liquid. J. L. McAnlis. 161,574; June 23.
Tonic, etc. Munyon Remedy Company. 210,743; June 23.
Wash for open and mortifying sores and eczema and as a gargle for diphtheria and sore throats. A. Fitzgerald. 212,131; June 23.
Water-softening powders. Rex Products & Mfg. Company. 188,932; June 23.
Wax dispersions, Aqueous. Davis & Bennett, Inc. 213,120; June 23.

CLASS 10.

Fertilizer, Soil. Stauffer Chemical Co. 213,265; June 23.

CLASS 11.

Ink, Card-writing. Wallbrunn, Kling & Co. 211,395; June 23.

CLASS 12.

Blocks for the construction of houses, bricks, roof tiles, etc. M. Palanti. 180,720; June 23.
Cement, materials used for waterproofing, etc., cement and concrete, and materials for patching stone and cement and concrete, Colored. Master Builders Company. 208,304; June 23.
Concrete cinder blocks, tiles, and other cinder concrete products, material, and supplies. Cincrete, Inc. 211,977; June 23.
Concrete pipe, tile, and building blocks. Gulf Concrete Pipe Company. 211,680; June 23.
Concrete vacuumized walls, Precast. E. F. Needham. 210,854; June 23.
Sand and gravel. Equity Construction Company. 176,610; June 23.
Shingles. Barber Asphalt Company. 212,779; June 23.
Stucco. J. Ridge. 213,921; June 23.

CLASS 13.

Bolts, studs, nuts, screws, etc. Pawtucket Manufacturing Co. 210,006; June 23.
Cabinets for shower baths. Dixie Metal Products Co. 213,368; June 23.
Curtain rods and attachments therefor, Metal. Kirsch Manufacturing Company. 211,442; June 23.
Domestic and kitchen utensils and gate valves. Polte. 208,159; June 23.

CLASS 14.

Iron and steel, Rolled. M. Brown. 211,403–6; June 23.

CLASS 15.

Gasoline, kerosene, petroleum, distillates, fuel oils, etc. Hercules Gasoline Co. 167,395; June 23.
Gasoline, kerosene, petroleum, distillates, fuel oils, etc. Hercules Gasoline Co. 169,131; June 23.
Graphite boiler-scale preventive. United States Graphite Co. 192,455; June 23.
Oils for use as lubricants and in the manufacture of lubricants, Vegetable. Brown-Edwards Company. 200,979; June 23.
Oils, Vegetable. Brown-Edwards Company. 210,074–5; June 23.
Petroleum products. Fellows Gasoline Company. 211,523; June 23.

CLASS 16.

Finishes. Shelloid Co. 211,872; June 23.
Lacquers and thinners, knifing compounds, and varnishes, Pyroxlin. Kohinoor Company. 212,005; June 23.
Paint, Paste. Buckeye Paint & Varnish Co. 212,906; June 23.
Paints. Eugene E. Nice Company. 212,569; June 23.
Paints and varnishes. Murphy Varnish Company. 213,027; June 23.
Paints, paint enamels, coloring pigments, and paint oils. Master Builders Company. 211,989; June 23.
Paints, paint enamels, varnishes, etc., Ready-mixed. Frank W. Dunne Co. 211,521; June 23.
Paints, paint oils, and enamels, varnishes, etc. Holland Varnish Company. 212,258; June 23.
Polish, Automobile and furniture. R. S. Rowsome. 212,507; June 23.
Shellacs, Prepared. Angelo Bros. Limited. 195,610; June 23.

CLASS 17.

Cigarettes. J. L. Mifsud. 214,211; June 23.
Cigars. F. J. Kenney. 214,366; June 23.

Cigars, snuff, stogies, cigarettes, tobaccos. Haus Neuerburg O. H. G. 201,438; June 23.

CLASS 19.

Automobile bodies. Edward G. Budd Manufacturing Company. 195,569; June 23.
Checks and snubbers, Rebound. McQuay Radiator Corporation. 212,822; June 23.

CLASS 21.

Batteries, Dry. Manhattan Electric Supply Company. 210,245; June 23.
Condensers, jacks, plugs, rheostats, dials, radio receiving sets, and parts thereof. Pilot Electric Mfg. Co. 211,052; June 23.
Flash lights. P. R. Puckett. 208,888; June 23.
Lamps, Electric boudoirs. M. P. Marx. 208,919; June 23.
Lights used on automobiles, Electric stop and direction signal. Berger Auto Signal Device Co. 209,963; June 23.
Mica insulating units. New England Mica Co. 213,140; June 23.
Radio adjusting devices. W. H. Huth. 192,699; June 23.
Radiocondensers. Davidson Radio Corporation. 205,516; June 23.
Radio receiving sets and parts thereof. W-K Electric Company. 209,264; June 23.
Radio receiving sets and parts thereof, condensers, jacks, plugs, etc. Beacon Radio Mfg. Co. 211,001; June 23.
Radio receiving sets and radio parts. Wireless Radio Corporation. 211,647–8; June 23.
Radio receiving sets, loud speakers, transformers, etc. Electrical Research Laboratories, Inc. 211,464; June 23.
Radio sets, Antenna tuners for. Liberty Radio Corporation. 210,674; June 23.
Sound-amplifying horns for radio loud speakers. Inter-Ocean Radio Corporation. 211,271; June 23.
Spark plugs. A. B. Fogle. 211,203; June 23.
Telephone and telegraph systems, radio receiving sets and parts thereof, Complete. Sterling Telephone and Electric Company Limited. 194,677; June 23.
Tractors and parts thereof, Electrical. Mercury Manufacturing Company. 209,230; June 23.
Wires for electrical connections to mercury-tube switches, Lead. Federal Gauge Co. 211,347; June 23.

CLASS 22.

Fish baits, Artificial. A. H. Wunderlin. 212,168; June 23.
Game, Card. F. H. Gregory. 213,371; June 23.
Game, Card. Radio Games Company. 195,909; June 23.
Game similar to tennis. R. D. Ogden. 210,572; June 23.
Golf clubs, tennis rackets, footballs, etc. Frank L. Slazenger Corporation. 212,884; June 23.
Toy pianos and toy characters performing in connection therewith. Unique Art Manufacturing Co. 209,444; June 23.
Toys and games. Hustler Toy Corporation. 209,847; June 23.

CLASS 23.

Cylinder-boring machines. Jordan Machine Tool Company. 212,556; June 23.
Fire extinguishers, Portable chemical. Schwartz Bros. 212,968; June 23.
Knives, forks, spoons, etc., of base metal. Great Northern Mfg. Co. 212,607; June 23.
Machines, Sewing. National Sewing Machine Company. 211,370; June 23.
Nippers, pliers, and pincers. Hammel, Riglander & Co. 210,612; June 23.
Plowshares, cultivator shovels, etc. Havana Manufacturing Company. 212,491; June 23.
Road graders. J. D. Adams & Company. 214,042; June 23.

CLASS 24.

Ironing boards. National Mill & Lumber Company. 211,117; June 23.

CLASS 25.

Radiator caps equipped with locks. S. H. Thomson Manufacturing Co. 212,655; June 23.

CLASS 26.

Indicating the water level and when the water is boiling in radiators, Device for. L. B. Mettler. 213,388; June 23.
Measuring and scientific appliances. Askania-Werke A.-G. vormals Centralwerkstatt Dessau und Carl Bamberg-Friedenau. 208,373; June 23.
Scales, Weighing. Hanson Brothers Scale Company. 213,287; June 23.

CLASS 27.

Watches, watchcases, and watch movements. I. Tannenbaum. 214,036; June 23.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 209,168; June 23.

CLASS 28.

Buttons, Separable cuff. J. V. Pilcher. 210,815; June 23.
Bracelets, pins, and finger rings, Platinum. T. Knoebber Co. 211,110; June 23.
Emblems, badges, and finger rings, etc. Auld's Inc. 185,552; June 23.
Rings, charms, medals, brooches, etc., Finger. A. H. Hankins. 194,707; June 23.
Rings, Wedding, scarf, and finger. M. B. Bryant & Co. 211,458–6; June 23.

CLASS 30.

Porcelain goods and earthenware. Staatliche Porzellan Manufaktur Meissen. 209,705; June 23.

CLASS 32.

Furniture, Household and office. I. Nelson. 205,705; June 23.
Mattresses. L. Mann. 209,735; June 23.
Shades, Window. Lando, The Blind Man. 210,061; June 23.

CLASS 34.

Liquid-fuel systems, burners, furnaces, heaters, and torches. J. S. & J. F. String, Incorporated. 199,096; June 23.

CLASS 35.

Belting, Rubber. Jeffrey Manufacturing Co. 213,306–7; June 23.
Belts and belting, diaphragms, disks, etc. Graton & Knight Manufacturing Company. 208,345; June 23.
Tires, Pneumatic. Miller Rubber Company. 212,393; June 23.
Tires, Rubber. Fisk Rubber Company. 210,054; June 23.

CLASS 36.

Banjo resonator attachments. Magosy & Buscher. 176,683; June 23.
Drums, cymbals, and drumsticks, Bass and snare. Lyon & Healy, Inc. 191,634; June 23.
Drums, cymbals, drumsticks, and cowbells. Lyon & Healy, Inc. 191,635; June 23.
Phonographs. Broadcaster Corporation. 204,696; June 23.
Saxophones, tambourines, cymbals, etc. A. Sax. 203,539; June 23.

CLASS 37.

Paper napkins. Paper Novelty Company. 212,098; June 23.
Paper, Toilet. Albany Perforated Wrapping Paper Company. 200,080; June 23.
Paper towels. Continental Paper & Bag Mills Corporation. 212,594; June 23.
Paper, Wrapping. American Lakes Paper Company. 202,477; June 23.
Pens and pencils. W. A. Sheaffer Pen Co. 212,402; June 23.
Telephone reference cards. Wootton & Dye. 213,107; June 23.

CLASS 38.

Books and coupons, Coupon. Standard Oil Company. 213,204; June 23.
Books, Coupon. Standard Oil Company. 213,203; June 23.
Magazine, Monthly. H. W. Garland. 211,090; June 23.
Paper, Negotiable. Foreman National Bank. 201,553–4; June 23.
Periodical. Geo. N. Lowrey Co. 210,913; June 23.
Publication, Monthly. American Stove Company. 211,513; June 23.
Publication, Weekly. United Printing Company. 210,591; June 23.

CLASS 39.

Coats, suits, overcoats, etc., for men, youths, and boys. Greenberg, Gallen & Co. 212,664; June 23.
Clothing. Stein Brothers. 211,765; June 23.
Clothing. Wolsey Ltd. 211,730; June 23.
Dresses. Parisian Mfg. Co. 203,051; June 23.
Dresses, sweaters, and suits, Knitted. Peerless Sweater Mills, Inc. 212,847; June 23.
Furnishings, Gents'. Shepard Norwell Company. 212,459; June 23.
Garments, Ladies'. Princess N. Zisianoff. 212,706; June 23.
Hats, Ladies'. Millinery Mart, Inc. 207,588; June 23.
Kimonos, house dresses, aprons, bathrobes. Caro & Company. 212,320; June 23.
Knickers and long coats. Wyman, Partridge & Co. 212,772; June 23.
Mufflers, Cashmere. Bodner & Edwards. 213,426; June 23.
Scarfs and neckties. Berliner, Strauss & Meyer, Inc. 212,668; June 23.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Shirts, Sport. Enro Shirt Co. 211,991; June 23.
Shirts, underwear for men and boys, hosiery, etc. Hawley, Folsom Company. 210,388; June 23.
Shoes and hosiery. H. B. Delman. 211,987; June 23.
Shoes, Children's leather. Hagerstown Shoe & Legging Co. 214,073; June 23.
Shoes, Men's. Associated Merchandising Corporation. 213,884; June 23.
Suits, Boys. Newman Dube & Co. 195,807; June 23.
Sweaters, suits, and dresses for women. Knitted. Republic Knitting Mills, Inc. 212,505; June 23.

CLASS 40.

Artificial flowers and leaves, etc., Chenille. C. A. Kuehh. 209,411; June 23.
Binding, Bias. L. Gerstein. 210,453; June 23.
Combs, Hard-rubber. American Hard Rubber Company. 214,045–6; June 23.
Fur trimmings. Smith, Warner & Co. 195,022; June 23.
Hairpins. De Long Hook and Eye Company. 197,365; June 23.

CLASS 42.

Clothes and textile fabrics. G. F. Brogger. 213,560; June 23.
Cotton piece goods. Dallas Manufacturing Co. 211,982–4; June 23.
Cotton piece goods. Lockwood Co. 212,007–9; June 23.
Cotton piece goods. Pacolet Mfg. Co. 212,949; June 23.
Cotton piece goods. Pacolet Mfg. Co. 212,956–7; June 23.
Cotton piece goods. Ware Shoals Manufacturing Co. 212,840; June 23.
Cotton pongee fabrics, Fancy printed. Smith-McCord-Townsend Dry Goods Co. 212,758; June 23.
Linen, woolen, silk, and cotton piece goods, sheets, pillowcases, etc. Abraham & Straus, Inc. 210,4[illegible]; June 23.
Silk and of artificial silk and cotton mixtures. Piece goods of. G. Sidenberg & Co. 210,813; June 23.
Silk piece goods. P. Gallub. 206,665; June 23.
Silk, wool, cotton, etc., piece goods. Golding Fabrics Corporation. 213,168; June 23.
Silk, wool, cotton, etc., piece goods. Golding Fabrics Corporation. 213,170; June 23.
Silks, brocades, and velvets in the piece. European Fabric Corporation. 213,072; June 23.
Woolen and worsted fabrics in the piece. Detmer, Bruner & Mason, Inc. 213,282–5; June 23.
Worsted goods in the piece. Windsor Manufacturing Co. 210,940; June 23.
Worsted piece goods. Atlantic Mills. 212,473; June 23.

CLASS 43.

Threads. Société A. Crespel. 213,746; June 23.

CLASS 44.

Dental polishing wheels, Felt. C. A. Fuks. 214,018; June 23.
Surgical and dental needles and combined needles and sutures. Davis & Geck, Inc. 213,774; June 23.
Surgical instruments and parts thereof. George Tiemann & Co. 213,934; June 23.
Surgical instruments and parts thereof. George Tiemann & Co. 213,999; June 23.
Trays, X-ray apparatus, elastic stockings, etc., Instrument. N. S. Low & Co. 199,754; June 23.

CLASS 45.

Beverage sold as a soft drink. D. Bustanoby. 196,506–10; June 23.
Beverages. National Beverage Company. 208,008; June 23.
Beverages sold as soft drinks and sirups for making the same. A. V. Altmann, jr. 212,116; June 23.
Beverages sold as soft drinks and sirups for making the same. Bohemian Distributing Co. 212,883; June 23.
Sirup used in the production of soft drinks. O-Kola Company. 212,945; June 23.
Waters and beverages sold as soft drinks, Distilled and spring. Powhatan Spring Water Co. 212,697; June 23.

CLASS 46.

Allspice, sliced dried beef, bouillon cubes, etc. R. C. Williams & Company. 195,252; June 23.
Bakery products, fruit preserves, confectionary, etc. Fegté Ltd. 210,958; June 23.
Butter. Plankinton Packing Company. 211,427; June 23.
Butter. H. W. Slater. 185,506; June 23.
Cakes. G. W. Opell Co. 195,831; June 23.
Candies. Cream Store, Inc. 206,608; June 23.
Candies. Cream Store, Inc. 212,596; June 23.
Candy. H. S. Lippincott. 200,899; June 23.
Candy. Norris, Inc. 213,912; June 23.
Candy. Quaker City Chocolate & Confectionery Company. 213,915; June 23.
Candy. Weideman Company. 213,751; June 23.
Candy suckers or lollipops. E. Cannon. 212,282; June 23.
Canned salmon. Alaska Salmon Company. 210,779; June 23.
Canned salmon. Bristol Bay Packing Company. 210,524; June 23.
Canned vegetables. Quave Canning Company. 214,094; June 23.
Canned vegetables and fruits, fruit preserves, corn meal, etc. D. S. Williams. 210,990; June 23.
Canned vegetables, pork and beans, fruits, fish, shell fish, and dried beef, tea, etc. Daniels Cornell Company. 211,157; June 23.
Celery, Fresh. Allen-Hurd Company. 212,709; June 23.
Cheese, creamery butter, oleomargarine, etc. Western Grocer Company. 191,152; June 23.
Chick starter. F. B. Dennie. 210,885; June 23.
Chicks and eggs, Live. W. W. Sproul. 212,860; June 23.
Chickens, capons, fowls, broilers, and roasters, Dressed. Fremont Beverage Company. 213,706–7; June 23.
Chocolates and candies. S. E. May. 212,016; June 23.
Coffee. G. Gutierres Veles. 206,118; June 23.
Coffees. J. R. Watkins Company. 202,726; June 23.
Confectionery. American Chicle Company. 210,946; June 23.
Crackers. Jack O'Jack Company. 204,660; June 23.
Egg mash. F. B. Dennie. 210,887; June 23.
Eggs. Hawkeye Produce Company. 211,846; June 23.
Fat for cooking, Pure vegetable. Chilnut Corporation. 212,886; June 23.
Flavoring and leavening mixture, dry, Cake. James A. Harper Supply Co. 211,744; June 23.
Flavoring compound used in meats and meat products. B. Heller & Company. 207,504; June 23.
Flavoring extracts for foods. Lehn & Fink, Inc. 210,484; June 23.
Flour, Wheat. Geo. P. Plant Milling Company. 210,856; June 23.
Food, Breakfast cereal. J. W. Limbert. 211,280; June 23.
Grapes, Fresh. T. M. Amendola. 206,809; June 23.
Grapes, Fresh. Pinkham Holdings Co. 212,962; June 23.
Malt extract and malt hop extract. W. J. Gordon. 210,725; June 23.
Malt sirup. S. L. Goldman. 213,172; June 23.
Marmalade. H. L. Jones. 212,834; June 23.
Mash, Growing. F. B. Dennie. 210,889; June 23.
Meat scraps, digester tankage, and animal feeds. Riverdale Products Company. 208,999; June 23.
Milk concentrated with cream added, Skim. National Dairy Co. 177,021; June 23.
Nuts, candies, confections. W. Prentiss, jr. 211,614; June 23.
Oranges, lemons, grapefruit, Fresh. Placentia Orange Growers Association. 211,424; June 23.
Oranges, lemons, and grapefruit, Fresh. Placentia Orange Growers Association. 213,798–9; June 23.
Oranges, lemons, and grapefruit, Fresh. Upland Lemon Growers Association. 213,817; June 23.
Rice. Willich and Company. 211,818–19; June 23.
Shortening, Vegetable. Aspegren & Co. 214,006. June 23.
Sirup and hop-flavored barley-malt sirup, Barley-malt. Anheuser-Busch, Incorporated. 213,215; June 23.
Sirup, Malt. P. Ballantine and Sons. 208,553; June 23.
Sirups, flavoring extracts, fruit juices, honey, etc., Table. Gordon Fruit Products, Inc. 211,205; June 23.
Sturgeon, white fish, mackerel, pickled tomatoes, etc. New York Appetizer Company. 212,286; June 23.
Sugar. C. D. Robinson Company. 210,500; June 23.
Tea. Consolidated Tea Co. 212,890; June 23.
Tea. Lehn & Fink Inc. 210,487; June 23.
Tea and coffee. Smith, Perkins & Co. 205,370; June 23.

CLASS 48.

Beverage. Bay City Beverage Co. 211,823; June 23.

CLASS 50.

Adhesively-integrated fibrous material. Respo Inc. 210,687; June 23.
Waterproofed woven, knitted, and felted fabrics. Impervious Fabrics Company. 160,135; June 23.
Waterproofed woven, knitted, and felted fabrics. Impervious Fabrics Company. 165,082; June 23.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

A-B-C Transit Refrigeration Company. (See Dungan, John E., assignor.)
A-B-C Transit Refrigeration Co. (See Penwell, Lewis, assignor.)
A-B-C Transit Refrigeration Company. (See Walker, George E., assignor.)
Abrams, Herman, Philadelphia, assignor to Crescent Brass Mfg. Co., Reading, Pa. Plate for lighting fixtures. Des. 67,640; June 23.
Abromski, John V., Philadelphia, Pa. Mother and child identification means. 1,542,270; June 23.
Ackley, Raymond E. (See Frazier, P., and Ackley.)
Adams, William S., Philadelphia, Pa. Indicator for moving-picture machines. 1,542,806; June 23.
Addressograph Company. (See Duncan, Joseph S., assignor.)
Adelmo, Giorgi, Spring Valley, Ill. Electric vibrator for razors and the like. 1,542,846; June 23.
Aetna Automatic Oil Burner, Incorported. (See Schesninger, John, jr.)
Aktiebolaget Ferrolegeringar. (See Daniell, S. D., and Kalling, assignors.)
Albanese, Gaetano, Brooklyn, N. Y. Dishwashing machine. 1,543,308; June 23.
Albrecht, John, Kewaunee, Wis. Nail-feeding mechanism for box-nailing machines. 1,542,811; June 23.
Aldridge, John C. (See Cox, J. C., and Aldridge.)
Alexander, Francis H., Newcastle-on-Tyne, and J. W. Gillie, North Shields, England. Inclinometer. 1,542,809; June 23.
Alexandrescu, Alexander M., Cleveland, Ohio. Valve-grinding tool. 1,543,589; June 23.
Allen, Edgar, Cambridge, Ohio. Cigarette holder. 1,543,043; June 23.
Allen, Frederick C., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Milling machine. 1,543,242; June 23.
Allen, S. L., & Co. (See Mader, Joseph, assignor.)
Allerton, Robert W., South Orange, N. J., assignor to Worthington Pump and Machinery Corporation, New York, N. Y. Shaft packing. 1,543,309; June 23.
Allied Belting Company, The. (See Menke, Jacob, assignor.)
Allison, Albert J., assignor to The A. A. Simonds-Dayton Company, Dayton, Ohio. Roll for beating engines. 1,542,812; June 23.
Altwegg, Jean, Lyon, France, assignor to Societe Chimique des Usines du Rhone, Paris, France. Preliminary treatment of cellulose prior to esterification. 1,543,310; June 23.
American Gasaccumulator Company. See Hagberg, Carl, assignor.)
American Gasaccumulator Company. (See Medén, E. H., and Lindahl, assignors.)
American Laundry Machinery Company, The. (See Waream, C. E., and Dreher, assignors.)
American Optical Company. (See Boutelle, William H., assignor.)
American Radiator Company. (See Robinson, Edwin E., assignor.)
American Stove Company. (See Munzner, Charles, assignor.)
American Stone Company. (See Nicolaus, Frederic G., assignor.)
American Telephone and Telegraph Company. (See Bailey, Rand S., assignor.)
American Telephone and Telegraph Company. (See Bascom, Henry M., assignor.)
American Telephone and Telegraph Company. (See Thompson, George K., assignor.)
American Thread Company, The. (See Hardman, Peter, assignor.)
Amon, Fred H. (See Falor, A. E., Dickson, and Amon.)
Anderson, Alexander, assignor to E. Holley, Detroit, Mich. Mold cleaning, heating, and lampblacking device. 1,543,085; June 23.
Anderson, Emmitt S., Fort Francis, Ontario, Canada. Couch roll. 1,543,540; June 23.
Anderson, Ernst G. K., Chicago, Ill. Spotlamp mounting. 1,543,272; June 23.
Anderson, Ernst G. K., assignor, by mesne assignments, to Appleton Electric Co., Chicago, Ill. Focusing device for electric lamps. 1,543,271; June 23.
Anderson, Harry G., Chicago, Ill. Automatic control for toilets. 1,543,311; June 23.
Andrée, William E., Chicago, Ill., assignor, by mesne assignments, of one-half to Metropolitan Trust Company, trustee, New York, N. Y. Garment press. 1,543,413; June 23.
Anglada, Joseph A., Jenkintown, Pa., assignor to Electrocar Corporation, New York, N. Y. Motor mounting and power transmission mechanism for motor vehicles. 1,543,044; June 23.
Anthony, Thomas P., Edgewater Park, N. J., assignor to United States Cast Iron Pipe & Foundry Company, Burlington, N. J. Core for centrifugal pipe molds. 1,542,810; June 23.
Appleton Electric Co. (See Anderson, Ernst G. K., assignor.)
Armstrong, Adam, Three Rivers, Mich. Trap. 1,543,312; June 23.
Armstrong-Blum Manufacturing Company. (See Blum, George J., assignor.)
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Power-excavating machine and actuating the same. 1,542,981; June 23.
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Power-excavating machine and actuating the same. 1,542,982; June 23.
Armstrong, Fullerton G. G., Beverley, England. Shock absorber for motor cars and other motor road vehicles. 1,543,243; June 23.
Armstrong, Robert E., et al., trustees. (See Josephson, Walter S., assignor.)
Arnold, Matthew H., Los Angeles, Calif. Hose coupler. 1,543,356; June 23.
Asaturien, Setrak, Babylon, N. Y. Discount lunch and premium check. 1,543,414; June 23.
A/S Autoslaede. (See Bjering, Hans C., assignor.)
Ashleman, Adolph E., and T. E. Haney, Waco, Tex. Signal. 1,543,541; June 23.
Atwood, James T., Rockford, Ill. Door buffer. 1,542,813; June 23.
Austin, Arthur O. Barberton, assignor, by mesne assignments, to The Ohio Brass Company, Mansfield, Ohio. Insulator. 1,543,313; June 23.
Automatic Electric Company. (See Ray, Arthur J., assignor.)
Automatic Machinery and Equipment Company. (See Hires, John E., assignor.)
Averill Manufacturing Corporation. (See Webb, Zaida B., assignor.)
Babcock, Richard E., et al. (See Shamblin, Harvey C., assignor.)
Babcock, William S., et al. (See Shamblin, Harvey C., assignor.)
Bachman, John S., S. A. Moak, and S. C. Lewis, Rome, Ga. Leno loom. 1,543,045; June 23.
Bachmayer, Joseph J. (See Saxton, A. H. and J. B., and Bachmayer.)
Baehr, Christian F., assignor to The Van Dorn Electric Tool Company, Cleveland, Ohio. Glue pot. 1,543,086; June 23.
Bagnor, Elizabeth, Pittsfield, Mass. Restraining body bed brace. 1,543,653; June 23.
Bailey, Rand S., Montclair, N. J., assignor to American Telephone and Telegraph Company. Signaling system. 1,542,847; June 23.
Baker, Benjamin F., St. John, New Brunswick, Canada. Separable cuff button. 1,543,148; June 23.
Baker, John A., Los Angeles, Calif. Well pump. 1,543,087; June 23.
Baker-Perkins Company. (See Pointon, John H., assignor.)
Baldwin, Clarence D., Deming, Wash. Cow-tail holder. 1,543,542; June 23.
Ball, Jay O., Bogota, N. J. Process and apparatus for ornamenting sheet material. 1,543,200; June 23.
Ballard, Bland H., Berkeley, assignor of one-half to George W. Schofield, San Francisco, Calif. Balance-wheel support. 1,543,088; June 23.
Bally, Oscar, Basel, Switzerland, assignor to the Firm Haco Gesellschaft A.-G. Bern, Gumligen, Switzerland. Albumen dyestuff compound and making same. 1,543,543; June 23.
Baney, J. B. (See Haney, Edwin H., assignor.)
Bannister, Bryant. (See Peebles, I. A., and Bannister.)
Baradat, Claudio. (See Lieo, A., and Baradat.)
Barber, Frank E., assignor to Intertype Corporation, Brooklyn, N. Y. Justification means for line-casting machines. 1,543,590; June 23.

Bardwell, Joseph, and H. G. Prouty, Whitman, Mass. Picker stem. 1,543,089; June 23.
Barlow, William E., Trevose, assignor to H. A. Dygert, Philadelphia, Pa. Swaging machine. 1,543,648; June 23.
Barnes, John H., Norwich, Conn. Closure for shoe uppers. 1,542,848; June 23.
Bartsch, Herbert E. (See Camp, P. B., and Bartsch.)
Bascom, Henry M., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Signaling system. 1,542,840; June 23.
Batts, John T., Los Angeles, Calif. Packing case for garments. 1,543,046; June 23.
Baumann, Alfred E., Milwaukee, Wis. Concrete form. 1,543,090; June 23.
Baur, Emil, Zurich, Switzerland. Recovery of hydrogen and oxygen by electrolysis. 1,543,357; June 23.
Baur, Paul, and R. E. Lauck, Taylor, Tex. Automatic control for hot-water incubators. 1,543,358; June 23.
Bausch & Lomb Optical Company. (See Poser, Max, assignor.)
Baynard, William H., Boston, assignor to Harry H. Beckwith, Brookline, Mass. Shoe heater. 1,542,814; June 23.
Beaumont, R. H., Co. (See Hale, William E., assignor.)
Beaver, David J. (See Curtis, A. S., and Beaver.)
Beck, Robert W., Lewiston, Idaho. Wedge-block lock for school desks. 1,543,591; June 23.
Beckwith, Harry H. (See Baynard, William H., assignor.)
Beeman, Edmund D., et al. (See Teeter, Harry, assignor.)
Beghetti, Peter, San Francisco, Calif. Clamp and tightener for tie wires. 1,543,491; June 23.
Behrsing, David, and C. A. Godshalk, assignors to Fox Automotive Products Corporation, Philadelphia, Pa. Tilting steering wheel for motor vehicles. 1,543,047; June 23.
Bell, Ivan C., assignor to The Guiberson Corporation, Dallas, Tex. Pumping apparatus. 1,543,201; June 23.
Bell Register, Inc. (See Bell, Samuel J., assignor.)
Bell, Samuel J., Springfield, Mass., assignor to Bell Register, Inc., Woonsocket, R. I. Fare-box apparatus. 1,543,359; June 23.
Bellah, Glover B., Port Lavaca, Tex. Lamp-burner attachment. 1,543,048; June 23.
Belsky, William, assignor to Paragon Button Corporation, New York, N. Y. Button clamp. 1,543,592; June 23.
Benda, Ludwig. Mainkur, near Frankfort-on-the-Main, Germany, assignor to Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung. Benzoxazolon-5-arsonic acid. 1,543,544; June 23.
Bennett, Cladius E., Barcelona, Spain. Instrument for locating and observing defective insulator units. 1,542,815; June 23.
Bennett, Joseph A., Rexford, N. Y. Smoking-pipe-cleaning attachment. 1,543,049; June 23.
Benson, Frank R., Kecoughtan, assignor to Newport News Shipbuilding & Dry Dock Company, Newport News, Va. Breakage link. 1,543,050; June 23.
Benson, Mark, New York, N. Y., and F. H. Wagner, Baltimore, Md.; said Wagner assignor to said Benson. Power fluid and producing same. 1,543,273; June 23.
Bentley, Richard E., Sherman, Tex. Awning for automobiles. 1,543,593; June 23.
Bentley, Robert J., Monroe, Mich. Card-index box. 1,542,810; June 23.
Bens & Cie., Rheinsche Automobil- u. Motoren-Fabrik, Aktiengesellschaft. (See Eltze, Kurt, assignor.)
Bergmann, Carl, jr., West Hoboken, N. J., assignor of one-half to G. R. Thompson, New York, N. Y. Drawn article and making the same. 1,542,983; June 23.
Berman, Murray T., New York, N. Y. Amusement apparatus. 1,543,594; June 23.
Bernheim, Matthew, New York, N. Y. Clothing display and sales cabinet. 1,542,817; June 23.
Berry, George W., Leeds, England. Apparatus for trimming and shaping hollow articles. 1,543,202; June 23.
Berthelote, Joseph T., Goldbutte, Mont. Stile. 1,543,091; June 23.
Best, Frank E., Inc. (See Best, Frank E., assignor.)
Best, Frank E., assignor to Frank E. Best, Inc., Seattle, Wash. Securing means for lock housings. 1,543,314; June 23.
Beynon, Harry A., Kansas City, Mo. Portable servitor. 1,543,092; June 23.
Bickl, John A., St. Louis, Mo. Center and eccentric marking device. 1,543,093; June 23.
Bigler, Sheridan S., New Philadelphia, Ohio. Auxiliary motor cut-off for pressure systems. 1,543,149; June 23.
Bilton, George E., Toronto, Ontario, Canada. Workbox. 1,543,492; June 23.
Binns, Ralph H., New York, N. Y. Blotter. 1,542,818; June 23.
Bjering, Hans C., Gjovik, assignor to A/S. Autoslaede, Christiania, Norway. Clutch. 1,543,360; June 23.
Black Rock Mfg. Co., The. (See Pianarosa, L. J., and Nicholas, assignors.)
Blanc, David W., Chicago, Ill. Radiator cap. Des. 67,641; June 23.
Blanc, David W., Chicago, Ill. Radiator cap. Des. 67,642; June 23.
Bland, John, Chicago, Ill. Spreader. 1,543,315; June 23.
Blecker, Harry, and S. K. Krapp, Reading, Pa. Cap with eyeshade. 1,543,094; June 23.
Blood, Bryant H., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Taper gauge. 1,543,244; June 23.
Bloodgood, James H., Tampa, Fla. Combination saw. 1,543,051; June 23.
Bloom, Arthur R., Minneapolis, Minn. Slogan card game. 1,542,819; June 23.
Bloom, Carl T., assignor of one-half to L. Tung, Oakland, Calif. Automobile signal casing. Des. 67,643; June 23.
Blum, George J., assignor to Armstrong-Blum Manufacturing Company, Chicago, Ill. Welding machine. 1,542,984; June 23.
Boatner, Edward M., San Antonio, Tex. Dental apparatus. 1,543,545; June 23.
Bode, John H., Bellevue, Pa. Rolling-mill appliance. 1,543,649; June 23.
Boden, George, assignor, by mesne assignments, to Scovill Manufacturing Company, Waterbury, Conn. Marking pin. 1,542,820; June 23.
Boenning, William M., Manitowoc, Wis. Shock absorber. 1,543,361; June 23.
Bohannon, Lloyd J., Kansas City, Mo. Support for vehicle batteries. 1,542,821; June 23.
Bohn Aluminum & Brass Corporation. (See Bohn, C. B., & Frown, assignors.)
Bohn, Charles B., and D. Frown, assignors, by mesne assignments, to Bohn Aluminum & Brass Corporation, Detroit, Mich. Mold. 1,543,657; June 23.
Bold, Frederick. (See Pearson, C. H., and Bold.)
Bolens, Coite H., et al., administrators. (See Bowser, Augustus.)
Boletino, Rosario, Vancouver, British Columbia, Canada. Electric cooking device. 1,543,362; June 23.
Bollinger, George T., Lockport, La. Valve. 1,542,851; June 23.
Bolton, Philip W., and W. N. Minnicar, Coffeyville, Kans. Outlet valve. 1,543,595; June 23.
Bommer, Emil, Brooklyn, N. Y. Spring-hinge member. 1,543,415; June 23.
Bonsall, Charles D., Parnassus, Pa., assignor to Union Metal Products Company, Chicago, Ill. Car-wall structure. 1,543,416; June 23.
Borra, Pacifico, West Hoboken, N. J. Dissipating fog. 1,543,363; June 23.
Borserine, Lewis H. (See Thomas, Jesse R., assignor.)
Bourassa, Joseph C. E., Montreal, Quebec, Canada. Cylinder press. 1,543,493; June 23.
Boutelle, William H., Sturbridge, assignor to American Optical Company, Southbridge, Mass. Ophthalmic mounting. 1,543,494; June 23.
Bowie, Augustus J., San Francisco, Calif. Oil circuit breaker. 1,543,495; June 23.
Bowser, Augustus, deceased, by C. H. Bolens and C. S. Fair, administrators, Fort Wayne, Ind. Liquid-dispensing apparatus. 1,543,274; June 23.
Bradley, Paul E., et al. (See Shamblin, Harvey C., assignor.)
Bradnack, John H., New Haven, assignor to The Tubular Products Company, Southington, Conn. Eyelet-inserting tool. 1,542,985; June 23.
Brand, Jesse, New York, N. Y. Smokehouse. 1,543,596; June 23.
Brandes, C., Inc. (See Dietrich, Frederick, assignor.)
Braren, Lorenz K., Munich, Germany. Automatic cutting machine. 1,543,203; June 23.
Brauer, Leo A. (See Irvin, J. L., and Brauer.)
Brautigam, John W., Bronx, N. Y. Framing device for motion-picture machines. 1,543,597; June 23.
Breeze, Alfred B., Cincinnati, assignor to The Cincinnati Ball Crank Company, Oakley, Cincinnati, Ohio. Steering reach rod. 1,543,364; June 23.
Breeze, Alfred B., Cincinnati, assignor to The Cincinnati Ball Crank Company, Oakley, Cincinnati, Ohio. Reach rod. 1,543,365; June 23.
Bremer, Harry A., assignor to Bremer-Tully Manufacturing Company, Chicago, Ill. System of radio communication. 1,543,417; June 23.
Bremer-Tully Manufacturing Company. (See Bremer, Harry A., assignor.)
Breneman, Paul E., assignor to C. R. Wilson Body Company, Detroit, Mich. Metallic vehicle body. 1,543,496; June 23.
Breslauer, Joseph, and G. Darier, assignors to Société d'Etudes Chimiques pour l'Industrie, Geneva, Switzerland. Manufacture of nitrogenic and phosphatic combinations. 1,542,986; June 23.
Bridgman, J. Allington, assignor to The Wilbur White Chemical Company, Owego, N. Y. Autoclave or the like. 1,543,275; June 23.
Briggs Manufacturing Company. (See Maise, Herman C., assignor.)
Bristow, Francis G. W., Sydney, Australia, assignor to M. W. McArdle, Chicago, Ill. Comb and fixed cutter for sheep shears. 1,543,316; June 23.
British Lighting and Ignition Company. (See Turner, E. O., and Tuppen, assignors.)
Brouyette, Charles D., Topeka, Kans. Spring bottom. 1,543,095; June 23.
Brown, Abner W., assignor to The Paraffine Companies, Inc., San Francisco, Calif. Stay for hollow rolls of flexible pliant sheet material. 1,543,052; June 23.
Brown & Bigelow. (See Fischer, Howard L., assignor.)

Brown Company. (See Sherman, John C., assignor.)
Brown, Harold, Kansas City, Kans. Paper weight. Des. 67,644; June 23.
Brownsey, Oscar, assignor to U. S. Slicing Machine Company, Laporte, Ind. Holder for slicing machines. 1,543,317; June 23.
Buckeye Incubator Company, The. (See Smith, Samuel B., assignor.)
Budlong, Kenneth J., assignor to National Regulator Company, Chicago, Ill. Regulator for high-pressure systems. 1,543,418; June 23.
Buesnod, Alfred C., New York, N. Y. Variable temperature method of curing and treating tobacco. 1,543,245; June 23.
Buffington, Calvin A., Berkshire, N. Y. Folding chair. 1,543,598; June 23.
Burger, Leopold F., Riverside, Ill., assignor to International Harvester Company. Automatic fuel switch. 1,543,688; June 23.
Burnham, Locke H., Pittsfield, Mass., assignor to General Electric Company. Forced oil transformer. 1,543,546; June 23.
Burns, Peter E., Syracuse, assignor of one-half to F. L. Morse, Ithaca, N. Y. Snap catch for hooks. 1,543,240; June 23.
Burns, Raymond W., Poughkeepsie, N. Y., assignor to James L. Taylor Mfg. Co. Pressure foot attachment for clamps. 1,543,410; June 23.
Busch, Auguste, assignor to the Firm Elektrisitätswerke Lonza, Basel, Switzerland. Burner for solid fuels. 1,542,852; June 23.
Buschman, Sol L., assignor to Metal Package Corporation of New York, New York, N. Y. Container. 1,543,053; June 23.
Bushnell, John B., Berkeley, assignor to Crocker Manufacturing Co., San Francisco, Calif. Key purse. 1,543,054; June 23.
Cady, Sherman W., Hamilton, Ontario, Canada, assignor, by mesne assignments, to International Harvester Company, Chicago, Ill. Tractor harrow. 1,543,639; June 23.
Callahan, Bennett L., Abilene, Kans. Vacuum cleaner. 1,542,987; June 23.
Callahan, Joseph J., Cornwells Heights, Pa. Propeller. 1,542,853; June 23.
Camp, Percy B., Maywood, Ill., assignor to Universal Draft Gear Attachment Company. Car coupler. 1,543,469; June 23.
Camp, Percy B., Maywood, and H. E. Bartsch, Chicago, Ill., assignors to Universal Draft Gear Attachment Co. Brake mechanism. 1,543,470; June 23.
Campbell, Charles H., Springfield, Ohio. Article for making cigarettes. 1,543,096; June 23.
Campbell, Frank J., assignor to First National Bank in Detroit, Detroit, Mich. Advertising sign or similar article. Des. 67,645; June 23.
Candriani, Ricardo, Buenos Aires, Argentina. Security means for checks. 1,543,366; June 23.
Canton, Frederick F., San Rafael, Calif. Dispensing container. 1,543,097; June 23.
Cardoza, Matthew, New Bedford, Mass. Ball game. 1,543,318; June 23.
Carlson, Charles J., Helena, Mont. Automobile body. 1,542,854; June 23.
Carlson, Charles W., and W. P. Davis, Chicago Heights, Ill. Dirigible headlight. 1,543,150; June 23.
Carpenter, Edward J., Port Ewen, N. Y. Fishing device. 1,543,247; June 23.
Carr, Steve, et al. (See Laurenman, E. E., and Cuyler, assignors.)
Carr, William, Melvern, Kans. Adjustable chair back. 1,543,367; June 23.
Carrier Engineering Corporation. (See Carrier, Willis H., assignor.)
Carrier, Willis H., assignor to Carrier Engineering Corporation, New York, N. Y. Speed controlling means for paper-drying machines. 1,543,368; June 23.
Carroll, Edward B., Memphis, Tenn. Cotton-picking device. 1,543,547; June 23.
Carter, Carnie B., and A. E. Cope, Pittsburgh, Pa., assignors to S. Karpen & Bros., Chicago, Ill. Producing a phenolic condensation product. 1,543,369; June 23.
Carstarphen, William P., assignor to Nite-Eye Light Corporation, Denver, Colo. Headlight redector. 1,542,988; June 23.
Carter, Nicholas, and M. Krivokucha, Chicago, Ill. Shock absorber for automobiles. 1,543,098; June 23.
Carter, William A., Yonkers, N. Y. Game. 1,543,319; June 23.
Catron, John J., assignor to Catron Manufacturing Company, Bonham, Tex. Fluid-dispenser-supply control. 1,543,204; June 23.
Catron Manufacturing Company. (See Catron, John J., assignor.)
Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Eccentric connection. 1,542,855; June 23.
Chalman, John E., assignor to Union Special Machine Company, Chicago, Ill. Looper-thread controller for sewing machines. 1,542,856; June 23.
Chandler, Homer P., assignor to The Ohio Brass Company, Mansfield, Ohio. Electric fuse casing. 1,542,822; June 23.
Chandler & Price Company, The. (See Reichart, William M., assignor.)
Chase, Philip H., Bala, Pa. Electric distribution system. 1,543,370; June 23.
Chatfield, Franklin, assignor to Munsingwear Corporation, Minneapolis, Minn. Undergarment. 1,542,857; June 23.
Cheesman, Cleon A., Lake Placid, N. Y. Combination garment hanger. 1,543,248; June 23.
Chester, Frank R., New York, N. Y. Leaf turner. 1,543,599; June 23.
Chiles, George S., assignor to The Ohio Steel Foundry Company, Lima, Ohio. Spring plank. 1,543,055; June 23.
Cincinnati Ball Crank Company, The. (See Breeze, Alfred B., assignor.)
Citizens of the United States of America. (See Thelen, Rolf.)
Clark, Dwight T., East Orange, N. J. Puzzle. 1,543,600; June 23.
Clark, J. Dudley. (See May, John W., assignor.)
Clark, Matthew L. (See Neal, L., and Clark.)
Clasen, John C., St. Louis, Mo., assignor, by mesne assignments, to Clasen Naturephone Company, Wilmington, Del. Sound reproducing or recording mechanism for phonographs. 1,543,056; June 23.
Clasen Naturephone Company. (See Clasen, John C., assignor.)
Clements, Elmer R., Riverton, Nebr. Hog oiler. 1,543,601; June 23.
Clook, George L., Syracuse, N. Y. Shock absorber. 1,542,858; June 23.
Cloyd, Oscar P., Clinton, Ind. Overhead-valve cover. 1,543,548; June 23.
Coberly, Clarence J., Los Angeles, Calif., assignor, by mesne assignments, to Purox Company, Denver, Colo. Oxygen-control lever for oxyacetylene cutting torches. 1,543,471; June 23.
Cofrancesco, Peter, and W. P. Thiede, assignors to The Fafnir Bearing Company, New Britain, Conn. Double-row ball bearing. 1,543,320; June 23.
Cohen, Hyman E., assignor to United States Hoffman Machinery Corporation, New York, N. Y. Pressing machine. 1,543,549; June 23.
Coler, Merton A. (See Paulsen, N., and Coler.)
Colonial Lamp & Fixture Works. (See Nelson, Theodore J., assignor.)
Colonna, Frank, Brooklyn, N. Y. Automatic thermostatic gas cut-off. 1,543,057; June 23.
Columbia Safety Sash Company. (See McAskill, John, assignor.)
Commercial Cable Company, The. (See Connery, Alder F., assignor.)
Commonwealth Steel Company. (See Gibson, George H., assignor.)
Compton, Marion H., Muscatine, Iowa. Acetylene-gas generator. 1,543,058; June 23.
Connery, Alder F., Jamaica, assignor of one-half to The Commercial Cable Company, New York, N. Y. Cable telegraphy. 1,542,860; June 23.
Connery, Alder F., Springfield, assignor of one-half to Postal Telegraph-Cable Company, New York, N. Y. Regenerative vibratory repeater for telegraph circuits. 1,542,859; June 23.
Connery, William M., Philadelphia, Pa. Air-cooled damper. 1,542,989; June 23.
Conrad, John W., Cedarville, W. Va., and M. P. Kerr, Newickley, Pa. Tower. 1,542,861; June 23.
Continental Can Company. (See Taliaferro, John C., jr., assignor.)
Cook, Charles H., Gardiner, Me., assignor to United Shoe Machinery Corporation, Paterson, N. J. Work guard for sewing machines. 1,543,276; June 23.
Cook, Fred E. (See Couche, E. E., and Cook.)
Coolidge, William D., Schenectady, N. Y., assignor to General Electric Company. X-ray apparatus. 1,543,654; June 23.
Cooper, Alva H., Atlanta, Ga. Blow-out shoe. 1,543,131; June 23.
Cooper, Ellis W., New York, N. Y. Speed-controlling mechanism. 1,543,420; June 23.
Copeman, Lloyd G., Flint, Mich. Refrigerator construction. 1,542,862; June 23.
Correale, Ernest and G., West Hoboken, N. J. Billiard table. 1,543,550; June 23.
Correale, Giovanni. (See Correale, Ernest and G.)
Cosgrove, Thomas. (See Neal, L., and Clark, assignors.)
Costello, Robert P., East Calgary, Alberta, Canada. Hot-air furnace. 1,543,059; June 23.
Cottier, Harold A., Brooklyn, N. Y. Crown-mounted porcelain-facing element. 1,543,421. June 23.
Couche, Edward E., and F. E. Cook, Youngstown, Ohio. Safety bracket for ladders. 1,543,551; June 23.
Coulson, William, Mechanicville, N. Y. Pump-control valve for locomotive train lines. 1,543,552; June 23.
Coultas, Wilbur J., assignor to Deere & Company, Moline, Ill. Lever. 1,543,422; June 23.
Coune, Felix, Chicago, Ill. Hair-drying apparatus. 1,543,423; June 23.
Courtier, Jules, Paris, France. Restorer of normal ignition for dual-ignition apparatus of internal-combustion engines. 1,543,277; June 23.
Couty, Louis T., Tulle, France. Stabilizing float for ships. 1,543,152; June 23.

Cowell, William H., Winthrop, Mass. Manufacturing stitch-down shoes. 1,543,099; June 23.
Cowles, Clifford W., New Britain, Conn., assignor to Groundulet Company, Newark, N. J. Light source covering. 1,543,424; June 23.
Cox, John C., and J. C. Aldridge, Centralia, Ill. Car coupling. 1,543,553; June 23.
Coxe, Albert E. (See Carter, C. B., and Coxe.)
Crabtree, Albert M., Duncan, Okla. Indicator for type-casting machines. 1,543,278; June 23.
Craig, William D., Kansas City, Mo. Wood-feathering machine. 1,543,100; June 23.
Craven, William H., Philipsburg, Pa. Carton filler. 1,543,249; June 23.
Creighton, Elmer E. F., Schenectady, N. Y., assignor to General Electric Company. Insulated electrical conductor. 1,542,843; June 23.
Crescent Brass Mfg. Co. (See Abrams, Herman, assignor.)
Crichton, Fred T., Chicago, Ill., assignor of forty-nine hundredths to G. T. Crichton. Steering wheel. 1,543,101; June 23.
Crichton, Grace T. (See Crichton, Fred T., assignor.)
Christiani, Anthony W., Red Bank, N. J. Tile-fettling machine. 1,543,425; June 23.
Crocker Manufacturing Co. (See Bushnell, John B., assignor.)
Crossman, Martin R., Boston, Mass. Bubble blower. 1,543,279; June 23.
Crowell, Charles H., Brooklyn, N. Y. Marked gummed tape. 1,543,060; June 23.
Crowell, Charles H., Brooklyn, N. Y. Nonpilfering shipping container. 1,543,205; June 23.
Cummings, John H. (See Raber, M., and Cummings.)
Cummings, Thomas H., St. Louis, Mo. Power attachment for motor vehicles. 1,543,426; June 23.
Curtiss Aeroplane and Motor Company. (See Mummert, Harvey C., assignor.)
Curtiss Aeroplane & Motor Company. (See Nutt, Arthur, assignor.)
Curtis, Alfred S., and D. J. Beaver; said Curtis assignor of his interest to Western Electric Company, Incorporated, New York, N. Y. Thermostat. 1,542,850; June 23.
Cuyler, George W. (See Saurenman, E. E., and Cuyler.)
Daimler-Motoren-Gesellschaft. (See Porsche, Ferdinand, assignor.)
Daniell, Sven D., and B. M. S. Kalling, Trollhattan, assignors to Aktiebolaget Ferrolegeringar, Stockholm, Sweden. Producing metals and alloys. 1,543,321; June 23.
Danielson, Oscar A., Brooklyn, N. Y. Balanced transmission for distant indicators. 1,543,061; June 23.
Danzer, Charles M., assignor of one-half to C. E. Rupp, Hagerstown, Md. Applying bottle cap removers. 1,543,554; June 23.
Darier, Georges. (See Breslauer, J., and Darier.)
Darragh, John J., Memphis, Tenn. Siphon and supporting means for the same. 1,543,260; June 23.
Daulton, Ernest N., Fitchburg, Mass. Table roll for paper machines. 1,543,281; June 23.
Davis, Bethuel M., Chicago, Ill. Speed controlling and indicating device. 1,543,062; June 23.
Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Rocker-shaft bearing for looms. 1,543,555; June 23.
Davis, Norris K., San Francisco, Calif. Safety stop and lock for loading skips. 1,543,322; June 23.
Davis, Walter P. (See Carlson, C. W., and Davis.)
Davis, William S. (See Fox, C. R., and Davis.)
Dawley, James C. (See Ripsch, C. W., and Dawley.)
Dawson, James, and Son, Limited. (See Dawson, James, assignor.)
Dawson, James, assignor to James Dawson and Son, Limited, Lincoln, England. Driving rope. 1,543,068; June 23.
Day, Albert, London, England. Machine for labeling packets, boxes, and the like. 1,543,153; June 23.
Day, J. H., Company, The. (See Moores, Joel, assignor.)
De Bajligethy, Max P., Houston, Tex. Still. 1,542,864; June 23.
Dedouch, Joseph A., Oak Park, Ill. Medallion mounting. 1,543,371; June 23.
Deere & Company. (See Coultas, Wilbur J., assignor.)
Dehle, Otto T., Watertown, Mass. Washing machine. 1,543,323; June 23.
De Loe, Edgar B., Sapulpa, Okla. Lock washer. 1,543,282; June 23.
Denham, George M., et al. (See Tester, Harry, assignor.)
Denis, Emile, Billancourt, and F. Hippert, Paris, France. Combined crushing, pulverizing, and separating machine. 1,543,556; June 23.
Denney, Carroll K., New York, N. Y. Nipple. 1,543,427; June 23.
Dennis, Samuel K., Chicago, Ill., assignor to International Harvester Company. Variable drive for planters. 1,543,602; June 23.
Dennis, Samuel K., Chicago, Ill., assignor to International Harvester Company, Chicago, Ill. Planter-drive mechanism. 1,543,603; June 23.
Denton, Chan, Colony, Kans. Attachment for mowing machines. 1,543,472; June 23.
De Raeve, Adhémar J., Sydney, New South Wales, Australia. Treating trade waste waters to clarify and sterilize the same and to extract fats therefrom. 1,543,524; June 23.
Devereaux, William C., assignor to Ferro Stamping & Manufacturing Company, Detroit, Mich. Door latch. 1,543,064; June 23.
De Vore, Charles D., assignor of one-half to H. L. Stern, Philadelphia, Pa. Vernier adjustment device. 1,543,640; June 23.
Dickson, John B. (See Falor, A. E., Dickson, and Amon.)
Didrickson, Christopher A., Harvey, N. Dak. Folding camp table. 1,543,872; June 23.
Dietrich, Frederick, Flushing, assignor to C. Brandes, Inc., New York, N. Y. Headband for telephone head-sets. 1,543,325; June 23.
Dietz, Benjamin H., and A. B. Hansen, Chicago, Ill. Combined phonograph and radio receiver cabinet. Des. 67,646; June 23.
Di Tomasso, Attilio, East Boston, Mass. Tape holder. 1,542,990; June 23.
Dodgson, Frank L., Rochester, assignor to General Railway Signal Company, Gates, N. Y. Automatic speed-control system for railways. 1,543,641; June 23.
Doen, Loran F., Cleveland, Ohio. Cooking utensil. 1,543,373; June 23.
Doering, George H., Brooklyn, N. Y. Trolling spoon. 1,543,206; June 23.
D'Olier, William. (See Geiger, Eugen, assignor.)
Donald, William G., Oakland, Calif., assignor to Sanitary Drain Flusher, Inc. Hose connection for faucets. 1,543,558; June 23.
Donnelley, R. R., & Sons Company. (See Frasier, P., and Ackley, assignors.)
Donnelly, Walter W., Fort Worth, Tex. Filler for the clamped ends of belts. 1,543,559; June 23.
Dornbusch, Fred, Ottawa, Ill. Portable woodworking machine. 1,542,991; June 23.
Dougherty, H. D., & Company. (See Swenson, Hejmert A., assignor.)
Douglass, Leon F., Menlo Park, Calif. Masking photographic film while exposure is being made. 1,543,085; June 23.
Downie, Robert R., assignor to Keystone Driller Company, Beaver Falls, Pa. Excavating machine. 1,543,250; June 23.
Downs, Lincoln S., East Cleveland, Ohio. Valve. 1,542,992; June 23.
Drake, John L., Indianapolis, Ind. Automatic dirigible automobile headlight. 1,543,428; June 23.
Draper Corporation. (See Davis, Harry A., assignor.)
Dreher, Albert J. (See Warram, C. E., and Dreher.)
Dubilier Condenser & Radio Corporation. (See Dubilier, William, assignor.)
Dubilier, William, New York, N. Y., assignor to Dubilier Condenser & Radio Corporation. Condenser and clamp therefor. 1,543,326; June 23.
Duisberg, Walter. (See Huismann, J., Duisberg, Hentrich, and Zeh.)
Duncan, Joseph S., assignor to Addressograph Company, Chicago, Ill. Sectional printing form bed. 1,543,066; June 23.
Dungan, John E., Moundsville, W. Va., assignor, by mesne assignments, to A-B-C Transit Refrigeration Company, Helena, Mont. Refrigerating device and container. 1,542,903; June 23.
Dunlop, Charles H., Brooklyn, N. Y. Educational appliance. 1,543,067; June 23.
Dunn, George W., Newport, Ky. Building block. Des. 67,647; June 23.
Durbin, Vernon Newton, assignor to The Holtzer-Cabot Electric Company, Roxbury, Mass. Method and apparatus for testing telephone receivers. 1,542,994; June 23.
Duriron Company, The. (See Jacobsen, Oystein, assignor.)
Duriron Company, The. (See Schenck, Peirce D., assignor.)
Duriron Company, The. (See Scott, Walter H., assignor.)
Dygert, Henry A. (See Barlow, William E., assignor.)
Eastern Tool & Manufacturing Company. (See Erb, J., and Montan, assignors.)
Eastham, Melville, assignor to General Radio Company, Cambridge, Mass. Condenser. 1,542,995; June 23.
Eaton Axle & Spring Company, The. (See Zimmerman, Thomas, assignor.)
Eberhardt, Walter, assignor to The Herschede Hall Clock Company, Cincinnati, Ohio. Spring-tension regulator. 1,543,560; June 23.
Eberling, Charles M., Cleveland, Ohio. Block machine. 1,543,068; June 23.
Economy Paper Company, The. (See Shelley, Edgar B., assignor.)
Edmunds & Jones Corporation. (See Godley, Charles E., assignor.)
Ehrenfeld, Harry E., Baltimore, Md. Station indicator. 1,543,561; June 23.
Eklund, John G., assignor to St. Joseph Iron Works, St. Joseph, Mich. Basket-making machine. 1,542,930; June 23.
Electric Boat Company. (See Spear, Lawrence Y., assignor.)

Electrocar Corporation. (See Anglada, Joseph A., assignor.)
Elektrizitätswerke Lonza. (See Busch, Auguste, assignor.)
Ellis, Charles S., Chicago, Ill. Automatic toaster. 1,543,069; June 23.
Ellsworth, Albert L. (See Harley, Bertron G., assignor.)
Elze, Kurt, Mannheim-Kafertal, Germany, assignor to Benz & Cie., Rheinische Automobil- u. Motoren-Fabrik Aktiengesellschaft, Mannheim, Germany. Internal-combustion engine. 1,543,429; June 23.
Emmet, William L. R., Schenectady, N. Y., and S. T. Thorpe; said Emmet assignor to General Electric Company and said Thorpe assignor to The Horton Manufacturing Company, Bristol, Conn. Seamed metal article. 1,543,497; June 23.
Emrich, Merritt L., assignor to United States Foil Company, Louisville, Ky. Display card. Des. 67,648; June 23.
Engel, Joseph, New York, N. Y. Ring. Des. 67,649; June 23.
Equipment Specialties Co. (See Hull, George A., assignor.)
Erb, John, Newark, and A. Montan, West Orange, assignors to Eastern Tool & Manufacturing Company, Bloomfield, N. J. Clip for joining crossbars. 1,542,207; June 23.
Erickson, Herbert H., assignor to Weil-Ransom Company, Chicago, Ill. Dust mop. 1,542,906; June 23.
Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
Erie Steam Shovel Company. (See Vleary, Arthur C., assignor.)
Ernest, Albert C. (See German, R. A., and Ernest.)
Ertl, George J., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill. Roller skate. 1,543,070; June 23.
Ertz, George L., Los Angeles, Calif. Vaporizing fuel in internal-combustion engines. 1,543,071; June 23.
Eunson, Joseph W. (See Stokes, H. P., and Eunson.)
Everett, Arthur C., Boston, assignor to Pneumatic Scale Corporation, Limited, Quincy, Mass. Packaging machine. 1,543,574; June 23.
Everett, Ira, Sayre, Pa., assignor, by mesne assignments, to Kennoway Manufacturing Company. Car-roof construction. 1,543,327; June 23.
Fafnir Bearing Company, The. (See Cofrancesco, P., and Thiede, assignors.)
Fahrenholtz, Henry. (See Hoffman, W. F., and Fahrenholtz.)
Fair, Charles S., et al., administrators. (See Bowser, Augustus.)
Fairbanks, E. and T., and Company. (See Stubbs, David W., assignor.)
Fairchild, Sherman M., Oneonta, N. Y. Exposure device for photographic cameras. 1,543,208; June 23.
Falor, Abram E., J. B. Dickson, and F. H. Amon, Akron, Ohio, assignors to The B. F. Goodrich Company, New York, N. Y. Nonsticking liner for sheet rubber. 1,543,283; June 23.
Farbenfabriken verm. Friedr. Bayer and Co. (See Habl, Hans, assignor.)
Farbenfabriken vorm. Friedr. Bayer and Co. (See Köhrs, Georg, assignor.)
Fassinger, Charles, Carrick, assignor to Oliver Iron & Steel Corporation, Pittsburgh, Pa. Mechanism for feeding blanks and the like. 1,543,251; June 23.
Faultless Rubber Company, The. (See Miller, Thomas W., assignor.)
Fayette, George J., Blaine, Wash. Sky-line logging-carriage lock. 1,543,473; June 23.
Federal Electric Company. (See Ogle, Elmer L., assignor.)
Fenner, Harriet E., Des Moines, Iowa. Mail-box flag. 1,543,072; June 23.
Ferro Stamping & Manufacturing Company. (See Devereaux, William C., assignor.)
Fiege, Carl W., Healdsburg, Calif. Dehydrator. 1,543,073; June 23.
Fifield, Albert P., Newark, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Sewing machine. 1,542,865; June 23.
Filer, Frank F., Marshalltown, Iowa. Stock fountain. 1,543,375; June 23.
Finch, Francis E., New York, N. Y., assignor to Ruggles-Coles Engineering Company, York, Pa. Dust collector. 1,542,866; June 23.
Finkelstein, Morris S., New York, N. Y. Lock. 1,542,997; June 23.
Finlayson, Mark M. (See Reutter, Fred C., assignor.)
First National Bank in Detroit. (See Campbell, Frank J., assignor.)
Fisch, Henry W. (See Fish, C. A., and Fisch.)
Fischer, Howard L., assignor to Brown & Bigelow, St. Paul, Minn. Perpetual memorandum pad. 1,543,430; June 23.
Fischer, John U. (See Kurrell, T., Schneider, and Fischer.)
Fish, Charles A., and H. W. Fisch, Los Angeles, Calif. Reenforced collar. 1,543,604; June 23.
Fisher, Edith C., Cleveland, Ohio. Oven pan. 1,542,867; June 23.
Fitch, Ora L., Point Marion, Pa. Level. 1,543,376; June 23.
Fleischer, Nathan I., Cincinnati, Ohio. Display rack. 1,543,102; June 23.
Fleming, Ivan R., Almdale, England. Sea anchor. 1,543,562; June 23.
Fleming, James R., Scranton, Pa. Journal box. 1,542,998; June 23.
Fletcher Works, Incorporated. (See Lochler, Bruno C., assignor.)
Flick, John B. (See Kishline, Floyd F., assignor.)
Foote, Edward B., assignor to Taylor Instrument Companies, Rochester, N. Y. Automatic electric switch. 1,542,931; June 23.
Ford, Charles L., Memphis, Tenn. Extension for electric starter buttons. 1,543,284; June 23.
Ford, Harry, and G. H. Taylor, Staffordshire, England. Ignition distributor. 1,543,377; June 23.
Foreman, Donald, Portland, Oreg. Game apparatus. 1,543,074; June 23.
Fornaca, Guido, Turin, Italy. System of operating turntables by means of tractors. 1,543,075; June 23.
Fox Automotive Products Corporation. (See Behrsing, D., and Godshalk, assignors.)
Fox, Clarence R., and W. S. Davis, Lebanon, Pa. Disposing of garbage. 1,543,154; June 23.
Fradet, Charles, assignor to W. Schindler, Asnieres, France. Lubrication of parts rotating at high speed. 1,543,155; June 23.
Frazier, Orville Z., Grand Rapids, Mich. Humidifier for internal-combustion engines. 1,542,999; June 23.
Frazier, Philip, and R. E. Ackley, assignors to R. R. Donnelley & Sons Company, Chicago, Ill. Bookbinding machine. 1,543,378; June 23.
Frederickson, Clayton E., Chicago, Ill. Accelerator for automobile engines. 1,543,285; June 23.
Freiberg, Peter, Lithonia, Ga. Combined compound and direct-acting steam engine. 1,543,431; June 23.
Fried. Krupp Aktiengesellschaft. (See Oesterlen, O., and Wieser, assignors.)
Fried. Krupp Grusonwerk Aktiengesellschaft. (See Ullrich, Georg, assignor.)
Frown, Daniel. (See Bohn, C. B., and Frown.)
Fulford, Lester E., Edgewood, assignor to Fulford Mfg. Co., Providence, R. I. Fastener device. 1,543,076; June 23.
Fulford Mfg. Co. (See Fulford, Lester E., assignor.)
Fuller, Claud E., New York, N. Y. Antifriction bearing. 1,543,252; June 23.
Fuller-Lehigh Company. (See Kinyon, Alonzo G., assignor.)
Fullington, William H., assignor to K. J. Riddell, Cleveland, Ohio. Thread cutter. 1,542,932; June 23.
Fulton, Claude V., Hyde Park, South Australia, Australia. Medicine container and spoon. 1,543,209; June 23.
Fulton Iron Works Company. (See Hildebrand, Reinhard, assignor.)
Funk, Robert V., Chicago Heights, assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Fencepost. 1,543,390; June 23.
G. R. S. Products, Inc., The. (See Howe, Winthrop K., assignor.)
Gall, John H., and G. Swanson, Marshfield, Oreg. Combined safety valve and signal for pneumatic tires. 1,543,077; June 23.
Gammestad, Thor, Pittsburgh, Pa. Folding apparatus for metallic sheets. 1,543,000; June 23.
Garris, Marian A., Spokane, Wash. Cabinet. 1,543,563; June 23.
Ganneden, Alfred H., Croydon, England. Geyser. 1,543,564; June 23.
Gavard, George F., Los Angeles, Calif. Advertising device. 1,543,005; June 23.
Gaynor, Edwin G., Stratford, Conn. Magnetic core. 1,543,091; June 23.
Geiger, Eugen, Karlsruhe, Germany, assignor to William D'Olier, New York, N. Y. Cleaning apparatus. 1,543,002; June 23.
General Electric Company. (See Bernham, Locke H., assignor.)
General Electric Company. (See Coolidge, William D., assignor.)
General Electric Company. (See Creighton, Elmer E. F., assignor.)
General Electric Company. (See Emmet, W. L. R., and Thorpe, assignors.)
General Electric Company. (See Gosling, Joseph W., assignor.)
General Electric Company. (See Harrison, Ward, assignor.)
General Electric Company. (See Hobart, Henry M., assignor.)
General Electric Company. (See Knoderer, Homer G., assignor.)
General Electric Company. (See Otis, Albert N., assignor.)
General Electric Company. (See Sprenger, George W., assignor.)
General Electric Company. (See Tremor, Edward D., assignor.)
General Electric Company. (See Wilkinson, James, assignor.)
General Motors Corporation. (See Lee, John M., assignor.)

General Motors Corporation. (See Short, Charles R., assignor.)
General Motors Corporation. (See Whitten, Frank A., assignor.)
General Radio Company. (See Eastham, Melville, assignor.)
General Railway Signal Company. (See Dodgson, Frank L., assignor.)
General Rubber Company. (See Hopkinson, Ernest, assignor.)
Genfert, William O., Arch Creek, and C. Stromquist, Miami, Fla.; said Stromquist assignor to said Gepfert. Mixing device. 1,542,933; June 23.
German, Roy A., and A. C. Ernest, Waco, Tex. Square. 1,543,585; June 23.
Gerth, Ruth L., Minneapolis, Minn., assignor to Alfred Vester Sons, Inc., Providence, R. I. Canopy for lighting fixtures. Des. 67,650; June 23.
Gerwig, Walter H., Parkersburg, W. Va. Securing means for typewriters. 1,543,253; June 23.
Gibson, Alexander T., Oakland, Calif. Window lock. 1,543,156; June 23.
Gibson, George H., assignor to Commonwealth Steel Company, St. Louis, Mo. Car truck. 1,542,868; June 23.
Gillie, John W. (See Alexander, F. H., and Gillie.)
Gillinder & Sons, Inc. (See Gillinder, Edgar A., assignor.)
Gillinder, Edgar A., assignor to Gillinder & Sons, Inc., Philadelphia, Pa. Glass illuminating bowl. Des. 67,651; June 23.
Gindraux, Jules C., Spokane, Wash. Nonskid fabric shoe. 1,543,003; June 23.
Gleichrichter-Aktiengesellschaft. (See Seitz, Oskar, assignor.)
Globe Slicing Machine Co. (See Sivertsen, Peter, assignor.)
Glockler, John E., Pittsburgh, Pa. Latch for refrigerator doors and the like. 1,543,078; June 23.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Wall bracket. Des. 67,652; June 23.
Goddard, Wilfred B., assignor to Thomas Day Company, San Francisco, Calif. Wall bracket. Des. 67,653; June 23.
Godley, Charles E., Detroit, Mich. Lamp door. Des. 67,654; June 23.
Godley, Charles E., assignor to Edmunds & Jones Corporation, Detroit, Mich. Combination tail lamp. 1,543,079; June 23.
Godshalk, Clarence A. (Behrsing, D., and Godshalk.)
Goodding, Elmer J., Camanche, Calif. Water wheel. 1,543,004; June 23.
Goode, John F. (See Graves, Henry W., assignor.)
Goodlett, Nicholas M., New York, N. Y. Apparatus for making crinkled paper. 1,543,432; June 23.
Goodman Manufacturing Company. (See Pray, Thomas E., assignor.)
Goodrich, B. F., Company, The. (See Falor, A. E., Dickson, and Amon, assignors.)
Goodrich, Clarence L., Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Thread gauge and making the same. 1,543,254; June 23.
Goodrich, Norris E., assignor to Sanitarium and Hospital Equipment Company, Battle Creek, Mich. Variable-speed driving gear for motors. 1,543,328; June 23.
Goodwin, Ernest G., New York, N. Y., assignor, by mesne assignments, to Goodwin Side Bearing Co., Inc., Wilmington, Del. Side bearing. 1,543,329; June 23.
Goodwin Side Bearing Co. (See Goodwin, Ernest G., assignor.)
Gordon, Louise, New York, N. Y. Ice-cream oven. 1,543,255; June 23.
Gosling, Joseph W., Schenectady, N. Y., assignor to General Electric Company. Canopy for light globes. Des. 67,655; June 23.
Gouner, Leonidas E. (See Ruckstuhl, Charles W., assignor.)
Grandjean, Marc, Paris, France. Stenographic machine. 1,543,286; June 23.
Grant, Herbert M., San Diego, Calif. Vehicle fuel-tank filler-cap lock. 1,543,256; June 23.
Grasselli Dyestuff Corporation. (See Huismann, J., Duisberg, Hentrich, and Zeh, assignors.)
Graves, Henry W., assignor of one-half to J. F. Goode, Chicago, Ill. Street-traffic system. 1,543,060; June 23.
Greaves, Abilio M. de S., Cambridge, Mass. Thermostatic circuit closer. 1,543,557; June 23.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,542,934; June 23.
Greenawalt, William E., Denver, Colo. Metallurgical process. 1,524,935; June 23.
Greenberg, Max, assignor of one-half to H. S. Kanton and one-half to S. Greenberg, Cleveland, Ohio. Stand boiler. 1,543,257; June 23.
Greenberg, Sadie, et al. (See Greenberg, Max, assignor.)
Greenstreet, James F., deceased, by Ella Parke, administratrix, Kewanee, Ill. Radiator attachment. 1,542,869; June 23.
Gregg, Otis T., Hackensack, N. J. Cane-car attachment. 1,542,870; June 23.
Grenler, Joseph N., Brooklyn, N. Y. Skylight construction. 1,543,330; June 23.
Greve, Herman L., assignor to International Mailing Tube and Wrapper Company, Brooklyn, N. Y. Mailing wrapper. 1,543,642; June 23.
Grieb, Alfred, assignor to The Singer Manufacturing Company, Elizabeth, N. J. Presser mechanism for sewing machines. 1,542,871; June 23.
Gross, Miriam, Chicago, Ill. Dress. Des. 67,656; June 23.
Groundulet Company. (See Cowles, Clifford W., assignor.)
Gruman, Horace F., St. Louis, Mo., assignor to Lewis Invisible Stitch Machine Co. Edge-trimming machine. 1,542,872; June 23.
Guarantee Liquid Measure Company. (See Mackenzie, George W., assignor.)
Guiberson Corporation, The. (See Bell, Ivan C., assignor.)
Guiberson Corporation, The. (See Kaough, Joseph W., assignor.)
Guild, George C., Clinton, Mass. Apparatus for package dyeing. 1,543,643; June 23.
Gunderman, Lester S., Pittsburgh, Pa. Safety device for clothes wringers. 1,542,936; June 23.
Guth, Frederick A., Columbus, Ohio. Mine door. 1,543,005; June 23.
Haco Gesellschaft, A.-G. Bern. (See Bally, Oscar, assignor.)
Hadley, Art, assignor to The Hadley Company, Providence, R. I. Making buckle frames. 1,543,644; June 23.
Hadley Company, The. (See Hadley, Art, assignor.)
Hagberg, Carl, Stockholm, Sweden, assignor to American Gasaccumulator Company, Elizabeth, N. J. Porous mass for storing explosive gases. 1,542,873; June 23.
Hahl, Hans, Elberfeld, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Pharmaceutical compound. 1,543,287; June 23.
Hale, William E., Fort Washington, assignor to R. H. Beaumont Co., Philadelphia, Pa. System for handling coal, ashes, and the like. 1,543,483; June 23.
Hammond, Clayson R., Salem, Oreg. Piston and connecting rod for engines. 1,543,498; June 23.
Hammond, John H., jr., Gloucester, Mass. Optical instrument. 1,542,937; June 23.
Hammond, John H., jr., Gloucester, Mass. Automatic antenna system. 1,542,938; June 23.
Hampel, Karl, Chicago, Ill. Game. 1,542,874; June 23.
Haney, Edwin H., assignor of one-eighth to J. B. Baney, Denver, Colo. Lubricating system. 1,542,875; June 23.
Haney, Thomas E. (See Ashleman, A. E., and Haney.)
Hannifin, Arthur V., Chicago, Ill. Boring bar and the like. 1,543,006; June 23.
Hansen, Albert E. (See Dietz, B. H., and Hansen.)
Hansen, Hans P., Ketchikan, Alaska. Fishing device. 1,543,081; June 23.
Hanson, Bengt M. W., Hartford, Conn. Grinding machines. 1,542,876; June 23.
Hanson, Bengt M. W., Hartford, Conn. Tap. 1,543,007; June 23.
Hanson, Harry A., and V. F. Zohodiakin, Oakland, Calif. Motor-vehicle driving mechanism. 1,543,008; June 23.
Hardman, Peter, Willimantic, Conn., assignor to The American Thread Company, Jersey City, N. J. Card-forming machine. 1,543,434; June 23.
Harley, Bertron G., North Tonawanda, N. Y., assignor to A. L. Ellsworth, Toronto, Canada. Boat-control device. 1,543,082; June 23.
Harman, Stevens P., Maplewood, N. J. Mobile furnace stoker. 1,542,877; June 23.
Harms, George, and R. C. Walker, Peoria, Ill. Sectional furnace casing. 1,543,379; June 23.
Harrell, George F., Oakland, Calif. Forming and baking pastry crusts. 1,543,380; June 23.
Harris, Carl C., assignor to Rodney Hunt Machine Company, Orange, Mass. Flanged roll cap. 1,543,381; June 23.
Harris, Carl C., assignor to Rodney Hunt Machine Company, Orange, Mass. End support for hollow rolls. 1,543,382; June 23.
Harris, Carl C., assignor to Rodney Hunt Machine Company, Orange, Mass. Reel. 1,543,383; June 23.
Harris, John C., and C. N. Mayfield, Richland Center, Wis. Aeroplane brake. 1,543,566; June 23.
Harrison, Jacob H., Falls City, Nebr. Combined mop and wringer. 1,543,258; June 23.
Harrison, Ward, Cleveland, Ohio, assignor to General Electric Company. Lighting fixture. 1,543,606; June 23.
Harten, John, Hartford, Conn., assignor to Pratt & Whitney Company, New York, N. Y. Contour tool grinder. 1,543,259; June 23.
Hatcher, Alice, administratrix. (See Hatcher, Matt.)
Hatcher, Matt, deceased, Sipsey, Ala.; A. Hatcher, administratrix. Mirror mounting for dressers. 1,543,490; June 23.
Hays, George M. (See Meserole, Milton D., assignor.)
Heale, Joseph M., Toronto, Ontario, Canada. Bed couch. 1,543,103; June 23.
Hedges, Edward G., Newark, N. J. Spreader for urinal stalls. 1,543,009; June 23.
Heekin Can Company, The. (See Miller, Rudolph A., assignor.)
Heisey, A. H., & Company. (See Heisey, Thomas C., assignor.)
Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Gob'et. Des. 67,657; June 23.

Heisey, Thomas C., assignor to A. H. Heisey & Company, Newark, Ohio. Goblet. Des. 67,658; June 23.
Henderson, Olive G., Ann Arbor, Mich. Combined desk and chair. 1,543,500; June 23.
Hendler, Lionel M., Baltimore, Md. Advertising device. Des. 67,659; June 23.
Hentrich, Winfried. (See Huismann, J., Duisberg, Hentrich, and Zeh.)
Herr, Paul E., Watseka, Ill. Starting-crank holder. 1,543,260; June 23.
Herschede Hall Clock Company, The. (See Eberhardt, Walter, assignor.)
Hersog, Oliver, Berlin-Dahlem, Germany. Dissolving substances with the aid of emulsions of wool fat. 1,543,384; June 23.
Hersog, Oliver, Berlin-Dahlem, Germany. Obtaining sulphonated products of wool fat. 1,543,157; June 23.
Hiatt, Leroy V., Douglas, Ariz. Display rack. 1,543,501; June 23.
Hibbard, Oramel E., Greenwich, Ohio. Paper clip. 1,543,385; June 23.
Hibbs, Charles B., Newport, N. C. Radius rod for automotive vehicles. 1,543,567; June 23.
Hickmann, Paul, Chemnitz, Germany. Propeller. 1,543,261; June 23.
Hildebrand, Reinhard, Webster Groves, assignor to Fulton Iron Works Company, St. Louis, Mo. Automatic stopping device. 1,542,878; June 23.
Hinrichsen, Edward E. (See Williams, S. B., and Hinrichsen.)
Hippert, Frederick. (See Denis, E., and Hippert.)
Hires, John E., Langhorne, Pa., assignor to Automatic Machinery and Equipment Company. Scoring and cutting rule. 1,542,879; June 23.
Hoag, Charles A., De Kalb, Ill. Colostomy appliance. 1,543,104; June 23.
Hobart, Henry M., Niskayuna, N. Y., assignor to General Electric Company. Dynamo-electric machine. 1,543,502; June 23.
Hobart, William C., and F. A. Nicholson, Tacoma, Wash. Sticker for door stock. 1,543,158; June 23.
Hobbs, Hiram E., Enid, Okla. Rotary well-drilling tool. 1,542,880; June 23.
Hoenemann, Theodor E., assignor to Thermo-Wall Construction Company, Boston, Mass. Building construction. 1,543,331; June 23.
Hoffman, Adolph, Rochester, N. Y. Adjustable supporting mechanism for drawing boards. 1,542,881; June 23.
Hoffman, William F., and H. Fahrenholtz, Dayton, Ky. Building block. 1,542,882; June 23.
Holden, Frank, Hampstead, London, England, assignor of one-third to Measurement, Limited, London, England, and one-third to La Compagnie pour la Fabrication des Compteurs et Materiel d'Usines à Gas, Paris, France. Meter. 1,542,883; June 23.
Holed Tite Packing, Inc. (See Koppelman, Morris, assignor.)
Holley, Earl. (See Anderson, Alexander, assignor.)
Holliger, Gottlieb R. (See Woolrich, E., and Holliger.)
Hollstein, Paul G., Carlstadt, N. J., assignor to J. M. Lehmann Company, Inc., New York, N. Y. Cocoa powder plant. 1,542,884; June 23.
Holmes, Grant, Danville, Ill., assignor to The Marion Steam Shovel Company, Marion, Ohio. Coaling device. 1,543,435; June 23.
Holmquest, Herman F. (See Johnson, S. A., and Holmquest.)
Holtzer-Cabot Electric Company, The. (See Durbin, Vernon, assignor.)
Holtzman, John, New York, N. Y. Razor-blade sharpener. 1,543,386; June 23.
Hood, Calvin T., Chicago, Ill. Single-unit tire chain. 1,543,436; June 23.
Hopkins, Arthur C., assignor to National Standard Company, Niles, Mich. Crank for lifting jacks. 1,543,332; June 23.
Hopkins, Fredrick H., and W. W. Moody, Kansas, Ill. Headlight mechanism. 1,543,159; June 23.
Hopkinson, Ernest, assignor to General Rubber Company, New York, N. Y. Process and apparatus for treating liquid material. 1,542,939; June 23.
Horn, Max, et al. (See Yeomans, Frank P., assignor.)
Horsting, William F., assignor to Standard Leather Machinery Co., Chicago, Ill. Leather-roughening machine. 1,542,885; June 23.
Horton Manufacturing Company, The. (See Emmet, W. L. R., and Thorpe, assignors.)
Hotchkiss, Mark S., Johnson City, N. Y. Road rail or forms. 1,542,886; June 23.
Hottel, Louis W., assignor to M. Liebel, jr., Erie, Pa. Battery-box handle. 1,543,160; June 23.
Howard, Charles H., Sauzus, assignor to Paper Products Machine Company, Boston, Mass. Bag-filling machine. 1,543,437; June 23.
Howard, Thomas A., Murray, Utah. Hand dip net. 1,543,568; June 23.
Howe, Winthrop K., Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y. Operating gearing for washing machines. 1,543,105; June 23.
Howe, Winthrop K., Rochester, N. Y., assignor, by mesne assignments, to The G. R. S. Products, Inc., Colonie, N. Y. Safety wringer control for washing machines. 1,543,106; June 23.
Hughes, Edward J., Bloomfield, N. J. Flange joint. 1,542,940; June 23.
Hughes, Hugh E., assignor to The Weed Control Company of California, Berkeley, Calif. Weed-destroying composition and producing the same. 1,543,107; June 23.
Huismann, Johann, Wiesdorf, near Cologne, W. Duisberg, Leverkusen, near Cologne, W. Hentrich and L. Zeh, Wiesdorf, near Cologne, Germany, assignors to Grasselli Dyestuff Corporation, New York, N. Y. Aminoalkylaminonaphthalene sulphonic acids. 1,543,589; June 23.
Hull, George A., assignor to Equipment Specialties Co., Chicago, Ill. Fastener for the door racks of railway cars. 1,543,161; June 23.
Hungerford, Warren H. (See Peters, F. M., and Hungerford.)
Hunt, Rodney, Machine Company. (See Harris, Carl C., assignor.)
Hutt, Albert E., Ardmore, Pa. Silent valve-operating mechanism. 1,543,438; June 23.
Ilias, José B., Habana, Cuba. Manufacturing artificial turpentine. 1,543,570; June 23.
Illinois Watch Case Company. (See Brabbe, Roy J., assignor.)
Inland Steel Company. (See Funk, Robert V., assignor.)
Inland Steel Company. (See Knopke, Raymond C., assignor.)
International Harvester Company. (See Burger, Leopold F., assignor.)
International Harvester Company. (See Cady, Sherman W., assignor.)
International Harvester Company. (See Dennis, Samuel K., assignor.)
International Harvester Company. (See Kowalsky, Andrew, assignor.)
International Harvester Company. (See Peterson, Walter R., assignor.)
International Harvester Company. (See Sharp, Charles S., assignor.)
International Mailing Tube and Wrapper Company. (See Greve, Herman L., assignor.)
International Motor Company. (See Manville, Keith R., assignor.)
Intertype Corporation. (See Barber, Frank E., assignor.)
Intertype Corporation. (See Sperry, Samuel E., assignor.)
Iron Oxide Products, Inc. (See Snellenberger, Richard O., assignor.)
Irvin, John L., and L. A. Brauer, Beaumont, Tex. Oxyacetylene pipe-cutter attachment. 1,542,887; June 23.
Irving, Frank J., Buffalo, N. Y., assignor to Pines Winterfront Company, Chicago, Ill. Thermostatic valve device for radiator shutters, etc. 1,543,333; June 23.
Iversen, Lorenz, Pittsburgh, Pa., assignor to Mesta Machine Company. Rolling mill. 1,543,108; June 23.
Iverson, Thomas O., Rochester, Minn. Fastener for window screens or storm windows. 1,542,888; June 23.
Jacobs, Daniel B., Swan Valley, Idaho. Garter. 1,543,571; June 23.
Jacobsen, Oystein, Dayton, Ohio, assignor to The Duriron Company, Inc. Concentrating pan. 1,542,941; June 23.
Jacobson, Axel, Two Harbors, Minn. Fishhook. 1,542,942; June 23.
Jacobson, David L. (See Sperr, F. W., jr., and Jacobson.)
Jenkins, Lloyd B., Bruin, Pa. Rail tie and fastener. 1,543,162; June 23.
Johnson, Bluford, et al. (See Saurenman, E. E., and Cuyler, assignors.)
Johnson, Carroll R., Essex, Iowa. Motor-starting device. 1,542,889; June 23.
Johnson, Frederick H., Northboro, Mass. Punch. 1,543,010; June 23.
Johnson, John T., Lengby, Minn. Map holder. 1,543,474; June 23.
Johnson, Sven A., and H. F. Holmquest, Brooklyn, N. Y. Compressor. 1,543,163; June 23.
Johnson, Victor S., Chicago, Ill. Renewable sign plate. 1,543,439; June 23.
Jones, Burrell L., Oakland, Calif. Wall bed. 1,543,440; June 23.
Jones, Burrell L., Oakland, Calif. Mattress clamp. 1,543,441; June 23.
Josephson, Walter S., New York, N. Y., assignor to G. W. Morley and R. R. Armstrong, trustees, Toronto, Ontario, Canada. Vehicle wheel. 1,542,943; June 23.
Joslin, Edwin E., Portland, Oreg. Automatic liquid control. 1,543,164; June 23.
Joyce-Cridland Company, The. (See Ripsch, C. W., and Dawley, assignors.)
Joyce, Emma C., Richmond Hill, N. Y. Water-waving comb. 1,543,572; June 23.
Jung, George H., jr., Cincinnati, Ohio. Arch brace. 1,543,573; June 23.
Kablick, Gustav. (See Reiners, W., and Kablick.)
Kalling, B. M. S. (See Daniell, S. D., and Kalling.)
Kanegafuchi Boseki Kabushiki Kwaisha. (See Senga, S., Kawata, and Naito, assignors.)
Kanton, Herman S., et al. (See Greenberg, Max, assignor.)
Knouch, Joseph W., assignor to The Guiberson Corporation, Dallas, Tex. Wrench. 1,543,210; June 23.

Karpen, S., & Bros. (See Carter, C. B., and Cox, assignors.)
Kass, Samuel M., Philadelphia, Pa. Clip bracket for curtain rods. 1,543,109; June 23.
Kasser, Morris, San Francisco, Calif. Filling and emptying device. 1,543,574; June 23.
Kauf, Adolf. (See Meili, Jean, assignor.)
Kaufman, Adam W., Milwaukee, Wis. Smoke kit. Des. 67,660; June 23.
Kawalle, Karl, Manitowoc, Wis. Safety razor 1,543,387; June 23.
Kawaski, Utakichi, San Francisco, Calif. Bottle. 1,542,944; June 23.
Kawata, Iwane. (See Senga, S., Kawata, and Naito.)
Kennoway Manufacturing Company. (See Everett, Irr, assignor.)
Kerr, Milton P. (See Conrad, J. W., and Kerr.)
Kessler, Clarence A., assignor to Penrod Walnut & Veneer Company, Kansas City, Mo. Sawing machine. 1,543,165; June 23.
Keystone Driller Company. (See Downie, Robert R, assignor.)
Kleruff, C. R., & Co. (See Ravenscroft, Alva E., assignor.)
King, Robert P., Greensboro, N. C. Wall cabinet. Des. 67,661; June 23.
Kinyon, Alonzo G., Allentown, Pa., assignor to Fuller Lehigh Company. Fluent pulverized fuel. 1,542,945; June 23.
Kirkland, Carroll M., Seattle, Wash., assignor to Miller Saw Trimmer Company, Pittsburgh, Pa. Sheet-positioning device for printing presses. 1,543,388; June 23.
Kishline, Floyd P., assignor to J. B. Flick, Detroit, Mich. Housing for universal joints. 1,543,575; June 23.
Kitterman, Jesse C., assignor of one-half to R. R. Rowe, Corydon, Ind. Umbrella case. 1,542,890; June 23.
Kitto, William H., jr., Detroit, Mich. Auxiliary air valve. 1,543,110; June 23.
Klaassen, John H., George, Iowa. Poultry feeder. 1,542,891; June 23.
Klein, Leon, Brooklyn, N. Y. Knitting-machine attachment. 1,543,011; June 23.
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Chandelier. Des. 67,662; June 23.
Klein, Max, New York, N. Y., assignor to Shapiro & Aronson, Inc. Chandelier. Des. 67,663; June 23.
Klimis, Apostolos K., Baltimore, Md. Instantaneous heater. 1,543,012; June 23.
Klipstein, Raleigh I., Des Plaines, Ill. Valve tappet and the like for internal-combustion engines. 1,543,111; June 23.
Knight, Charles H., Louisville, Ky. Mold. 1,543,380; June 23.
Knoderer, Homer G., Englewood, N. J., assignor to General Electric Company. Outlet box. 1,543,576; June 23.
Knopke, Raymond C., Wheaton, assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Fencepost. 1,543,391; June 23.
Knopke, Raymond C., Glen Ellyn, assignor, by mesne assignments, to Inland Steel Company, Chicago, Ill. Fencepost. 1,543,392; June 23.
Knott, John T., Peru, Ind. Laundry-tray faucet. 1,543,393; June 23.
Koenig, Conrad A., Auburn, N. Y. Forming a serrated edge. 1,542,892; June 23.
Köhres, Georg, assignor to Farbenfabriken vorm. Friedr. Bayer and Co., Leverkusen, near Cologne-on-the-Rhine, Germany. Wool dye of the pyrone series. 1,543,166; June 23.
Kokesch, Edward P., Primate, Saskatchewan, and W. F. Saumer, Hayter, Alberta, Canada. Extension table. 1,543,442; June 23.
Kooperstein, Louis, assignor to West Disinfecting Company, New York, N. Y. Dispensing valve. 1,543,211; June 23.
Koppelman, Morris, Brooklyn, N. Y., assignor to Holed Tite Packing, Inc. Container for eggs or the like. 1,543,443; June 23.
Koppers Company, The. (See Sperr, F. W., jr., and Jacobson, assignors.)
Kortgardner, George, jr., Cincinnati, Ohio, assignor to The Kortgardner Trucking Company. Scraper. 1,543,167; June 23.
Kortgardner Trucking Company, The. (See Kortgardner, George, jr., assignor.)
Kowalsky, Andrew, Oak Park, assignor to International Harvester Company, Chicago, Ill. Grease cup. 1,542,607; June 23.
Krabbe, Roy J., assignor to Illinois Watch Case Company, Elgin, Ill. Watchcase. 1,543,444; June 23.
Kramer, Andrew A., Kansas City, Mo. Faucet. 1,543,018; June 23.
Krapp, Samuel K. (See Blecker, H., and Krapp.)
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc. Lighting fixture. Des. 67,664; June 23.
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc. Chandelier. Des. 67,665; June 23.
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc. Lighting fixture part. Des. 67,666; June 23.
Krause, Arthur R., Woodhaven, N. Y., assignor to The Lion Electric Manufacturing Co. Inc. Lighting fixture arm. Des. 67,667; June 23.
Kreutzberger, Paul, Bellevue, France. Tape, dies, and the like. 1,542,893; June 23.
Krivokucha, Milan. (Carter, N., and Krivokucha.)
Kronenbitter, Frank E., Maywood, Ill. Percolator spout. 1,543,014; June 23.
Kuhn, Edmond, New York, N. Y. Latch for the frame jaws of purses, hand bags, or the like. 1,543,577; June 23.
Kurrell, Theodore, H. Schneider, and J. U. Fischer, San Francisco, Calif. Cooking stove. 1,543,212; June 23.
Kvarnstrom, Alfred T., assignor to S. Solomon, Detroit, Mich. Cable connecter. 1,543,218; June 23.
Labeasse, Paul C., New Orleans, La. Accelerator. 1,543,578; June 23.
Lacey, James D. (See Sunderman, Frederick B., assignor.)
La Compagnie pour la Fabrication des Compteurs et Matériel d'Usines à Gaz, et al. (See Holden, Frank, assignor.)
Lamson Company, The. (See Maclaren, James G., assignor.)
Langner, Paul P., Minneapolis, Minn. Combination cane or the like and signal. 1,542,894; June 23.
Lare, Charles A., Baltimore, Md. Combined photographic printer and enlarger. 1,543,015; June 23.
Lare, Charles A., Baltimore, Md. Combined photographic printer and enlarger. 1,543,016; June 23.
Larose, Leo M., Detroit, Mich., assignor to I. Weinstein, Chicago, Ill. Signal lamp for vehicles. 1,543,168; June 23.
Larson, John M., and V. G. Leach, Chicago, Ill., assignors to National Regulator Company, Chicago, Ill. Regulator for high-pressure systems. 1,543,445; June 23.
Laube, Joseph M., Bellingham, Wash. Heating furnace. 1,542,112; June 23.
Lauck, Robert E. (See Baur, P., and Larick.)
Lauer, William J., Argyle, Minn. Dental hot-air-syringe outlet. 1,543,579; June 23.
Laukhuff, Alfred, Shorewood, assignor to A. O. Trostel, Milwaukee, Wis. Die. 1,543,288; June 23.
Law, Charles R., Mansfield, La. Heralling frogs. 1,542,895; June 23.
Lawson, Oscar L., Lynn, Mass. Tack-driving device. 1,542,946; June 23.
Lea, John M., assignor to General Motors Corporation, Detroit, Mich. Storage battery. 1,543,017; June 23.
Leach, Vernon G. (See Larson, J. M., and Leach.)
Lechler, Bruno, C., assignor of one-half to Fletcher Works, Incorporated, Philadelphia, Pa. Centrifugal machine. 1,543,289; June 23.
Le Feuvre, Richard, Spokane, Wash. Flue cleaner. 1,543,018; June 23.
Lehmann, J. M., Company. (See Hollstein, Paul G., assignor.)
Lehmhaus, Elmer, Hamilton, Ohio. Window lock. 1,543,019; June 23.
Leidecker, Foster H., assignor to The Leidecker Tool Company, Marietta, Ohio. Making spiral auger stems, bits, and substitutes. 1,543,606; June 23.
Leidecker Tool Company, The. (See Leidecker, Foster H., assignor.)
Lemmon, Walter S., New York, N. Y. Resonant converter. 1,543,475; June 23.
Leopold Cassella & Co. Gesellschaft mit beschränkter Haftung. (See Benda, Ludwig, assignor.)
Levitt Millinery Company. (See Ziegler, Harry, assignor.)
Lévy, Ephraim A., and J. Safont, Mexico, Mexico. Process and apparatus for separating palpable powder by sustentation. 1,543,169; June 23.
Lewis Invisible Stitch Machine Co. (See Gruman, Horace F., assignor.)
Lewis, James, Ottawa, Ontario, Canada. Casting printing slugs. 1,543,580; June 23.
Lewis, Royal S., Yakima, Wash. Snubbing device. 1,543,581; June 23.
Lewis, Starling C. (See Bachman, J. S., Moak, and Lewis.)
Lidgeon, Gustave, Chicago, Ill. Pump-feed oil can. 1,542,896; June 23.
Liebel, M., jr. (See Hottel, Louis W., assignor.)
Lindahl, Carl. (See Medén, E. H., and Lindahl.)
Lion Electric Manufacturing Co. (See Krause, Arthur R., assignor.)
Lleo, Alberto, and C. Baradat, Barcelona, Spain; said Baradat assignor to said Lleo. Engine-lubrication system. 1,543,113; June 23.
Lloyd, Charles E. H., Los Angeles, Calif. Machine tool. 1,543,114; June 23.
Loeb, Laurence M., New Rochelle, N. Y. Bathroom wall construction. 1,543,334; June 23.
Lombard, Huel B., Brookings, S. Dak. Merry-go-round. 1,543,020; June 23.
Long, Barnett, Martinsburg, W. Va. Window-shade bracket. 1,543,170; June 23.
Long, Joseph B., Cleburne, Tex. Long-sweep attachment for cultivators. 1,543,115; June 23.
Lonsdale, William H., Brownsburg, Quebec, Canada. Driving attachment for automobiles. 1,542,897; June 23.
Loomis Machine Company, The. (See Lott, Daniel L., assignor.)

Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid turbine. 1,543,171; June 23.
Lösel, Franz, Brunn, Czechoslovakia. Elastic-fluid turbine. 1,543,172; June 23.
Lott, Daniel L., assignor to The Loomis Machine Company, Tiffin, Ohio. Screw gearing. 1,543,173; June 23.
Loughridge, Matthew H., Bogota, N. J. Rail bond. 1,542,898; June 23.
Luce, Grafton E., Chicago, Ill. Gooseneck boom for bricksetters. 1,543,214; June 23.
Lundstedt, Antone R., assignor of one-half to E. J. Marshall, Salt Lake City, Utah. Collapsible sanitary fish creel. 1,543,446; June 23.
Lyons Flynn Company, The. (See Lyons, George W., assignor.)
Lyons, George W., assignor to The Lyons Flynn Company, New Haven, Conn. Food article. 1,543,650; June 23.
MacKay, Francis W., Norwalk, Conn. Outing suit. 1,543,582; June 23.
MacKenzie, George W., Beaver, Pa. Liquid-dispensing apparatus. 1,542,947; June 23.
MacKenzie, George W., Beaver, assignor to Guarantee Liquid Measure Company, Rochester, Pa. Liquid-dispensing apparatus. 1,542,948; June 23.
Maclaren, James G., Mamaroneck, assignor to The Lamson Company, Syracuse, N. Y. Power controller for pneumatic-dispatch systems. 1,543,215; June 23.
Maddocks, Arthur, Denver, Colo. Manhole cover. 1,542,900; June 23.
Mader, Joseph, Philadelphia, Pa., assignor to S. L. Allen & Co., Inc. Power-lift agricultural implement. 1,543,116; June 23.
Magidson, Louis. (See Minkin, I., and Magidson.)
Maise, Herman C., assignor to Briggs Manufacturing Company, Detroit, Mich. Tool for forcing fastener-concealing strips in place on drip moldings of vehicle bodies. 1,543,335; June 23.
Manville, Keith R., Elmhurst, assignor to International Motor Company, New York, N. Y. Method of and apparatus for forming an explosive mixture. 1,542,823; June 23.
Marion Steam Shovel Company, The. (See Holmes, Grant, assignor.)
Marsh, Robert G., Detroit, Mich. Soda fountain. 1,543,610; June 23.
Marshall, Eli J. (See Lundstedt, Antone R., assignor.)
Marshall, Harry B., St. Louis, Mo. Carbon pile rheostat. 1,543,083; June 23.
Martin Air Dog Company. (See Martin, Frederick E., assignor.)
Martin, Frederick E., Weed, assignor to Martin Air Dog Company, San Francisco, Calif. Setting and controlling mechanism for controlling movement of dogs on sawmill carriages. 1,543,216; June 23.
Martin, Frederick E., Berkeley, assignor to Martin Air Dog Company, San Francisco, Calif. Tapering means for sawmill carriages. 1,543,217; June 23.
Martin, Frederick E., Berkeley, assignor to Martin Air Dog Company, San Francisco, Calif. Tapering mechanism. 1,543,218; June 23.
Marvel, Edward W., Philadelphia, Pa., assignor, by mesne assignments, to The Mosler Lock Company, Covington, Ky. Changeable combination key lock. 1,543,447; June 23.
Mason, Joseph F., Fulton, Mo. Portable loading device. 1,543,219; June 23.
Mason, Ralph L., Tacoma, Wash. Tool. 1,543,583; June 23.
Matson, Francis G., Washington, D. C. Stove or oven. 1,543,220; June 23.
Matson, Francis G., Washington, D. C. Device for molding and baking hollow edible articles. 1,543,221; June 23.
Mattson, Joseph B., Minneapolis, Minn. Paper liner for cake decorators. 1,543,174; June 23.
Maxfield, Joseph P., Millburn, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Acoustical aid for deaf persons. 1,543,117; June 23.
Maxwell Motor Corporation. (See Maynard, Howard E., assignor.)
May, John W., assignor of one-eighth to J. D. Clark, Boston, Mass. Device for unlocking lasts. 1,542,901; June 23.
Mayer, Max, New York, N. Y. Radiocabinet. Des. 67,668; June 23.
Mayfield, Clarence N. (See Harris, J. C., and Mayfield.)
Maynard, Howard E., Detroit, assignor to Maxwell Corporation, Highland Park, Mich. Vehicle brake. 1,543,448; June 23.
McArdle, Michael W. (See Bristow, Francis G. W., assignor.)
McArthur, Neill P., Wakulla, N. C. Spraying machine. 1,543,021; June 23.
McAskill, John, assignor to Columbia Safety Sash Company, Inc., Brooklyn, N. Y. Sliding and swinging window. 1,542,899; June 23.
McCarthy, Wilfrid J., Kenilworth, England. Magazine spanner. 1,543,175; June 23.
McCarty, William E., Athens, Ga. Heater. 1,543,176; June 23.
McCutcheon, Everett, Cleveland, Ohio. Air, gas, and vapor mixer. 1,543,476; June 23.
McIntire, Francis M., Mullikin, Mich. Anti-kicking device. 1,543,336; June 23.

McIntosh, Louis C., Los Angeles, Calif. Semiautomatic telegraph transmitter. 1,543,609; June 23.
McKane, John, London, England. Wall paper or a similar article. Des. 67,670; June 23.
McKane, John, London, England. Wall paper or a similar article. Des. 67,671; June 23.
McKay, Donald, Montgomery, Ala. Locomotive headlight. 1,543,503; June 23.
McVeety, James H., Memphis, Tenn. Attachment for road-grader blades. 1,543,222; June 23.
McVeety, James H., Memphis, Tenn. Shoe for grader blades. 1,543,223; June 23.
Measurement, Limited, et al. (See Holden, Frank, assignor.)
Mecham, Emil, Wetzlar, Germany. Moving-picture apparatus. 1,543,224; June 23.
Medén, Eliof H., Short Hills, and C. Lindahl, Hillside, N. J., assignors to American Gasaccumulator Company, Elizabeth, N. J. Flash-light apparatus. 1,543,177; June 23.
Meili, Jean, Veltheim, near Winterthur, assignor to A. Kauf, Zurich, Switzerland. Fluid-sprinkling device. 1,543,178; June 23.
Melton, Claude E. (See Pyle, F. A., and Melton.)
Menke, Jacob, assignor to The Allied Belting Company, Greenville, Ohio. Apron. 1,543,584; June 23.
Merriett, Raymond S., Syracuse, N. Y. Electromagnetic appliance for railways. 1,542,902; June 23.
Merriman, Robert M., Akron, Ohio. Tire tread. Des. 67,669; June 23.
Merriman, Walter J., Lake View, Ohio. Wire reel. 1,542,824; June 23.
Mershon, Ralph D., New York, N. Y. Electrolytic apparatus having filmed electrodes. 1,543,225; June 23.
Meserole, Milton D., Milford, assignor of one-half to G. M. Hayes, New Haven, Conn. Pencil sharpener. 1,543,226; June 23.
Mesta Machine Company. (See Iversen, Lorenz, assignor.)
Metal Package Corporation of New York. (See Buschman, Sol L., assignor.)
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Quick-firing gun. 1,543,262; June 23.
Methlin, Nicolas E., assignor to Schneider & Cie., Paris, France. Piece of artillery. 1,543,263; June 23.
Metropolitan Trust Company, trustee. (See Andreé, William E., assignor.)
Metzger, Benjamin L., and T. D. Sheely, Toledo, Ohio. Cigar lighter. 1,543,290; June 23.
Mezel, George, Cinchco, Va. Pencil sharpener. 1,543,504; June 23.
Michaud, Elzear, Chicago, Ill. Tilting steering wheel. 1,542,949; June 23.
Middleton, Charles H., and H. A. Selner, Camden, N. J. Grease gun. 1,543,505; June 23.
Miller, Andrew, and F. D. Mills, Caney, Kans. Valve-trip mechanism. 1,543,179; June 23.
Miller, Ferdinand F., Ciasoli, Mont. Spare rim and tire carrier. 1,543,337; June 23.
Miller, Henry C., Waterford, N. Y. Thread-trimming mechanism for buttonhole machines. 1,543,022; June 23.
Miller, Rudolph A., assignor to The Heekin Can Company, Cincinnati, Ohio. Synchronized press and oven conveyer. 1,543,585; June 23.
Miller Saw Trimmer Company. (See Kirkland, Carroll M., assignor.)
Miller, Thomas W., assignor to The Faultless Rubber Company, Ashland, Ohio. Making hollow rubber articles, such as nipples, finger cots, bulbs, and the like. 1,543,506; June 23.
Millers Falls Company. (See Parsons, William J., assignor.)
Mills, Benjamin F., Sioux City, Iowa. Oil burner. 1,543,586; June 23.
Mills, Fred D. (See Miller, A., and Mills.)
Mine Appliances Company. (See Shanaberger, Carl V., assignor.)
Miner, W. H., Inc. (See O'Connor, John F., assignor.)
Minkin, Israel, and L. Magidson, Dorchester, Mass. Protecting commercial paper. 1,543,227; June 23.
Minnard, Paul, Detroit, Mich. Device for use in rebushing spring shackles. 1,543,023; June 23.
Minnear, William N. (See Bolton, P. W., and Minnear.)
Moak, Sidney A. (See Bachman, J. S., Moak, and Lewis.)
Mohr, William H., Reading, Pa. Flag stand. Des. 67,672; June 23.
Monitor Controller Company. (See Whittingham, George H., assignor.)
Montan, Adolph. (See Erb, J., and Montan.)
Moody, Windell W. (See Hopkins, F. H., and Moody.)
Moore, Harvey W., San Francisco, Calif. Electric jack. 1,543,181; June 23.
Moore, Oro H., Payson, Utah. Elevating mechanism for root harvesters. 1,543,180; June 23.
Moores, Joel, assignor to The J. H. Day Company, Cincinnati, Ohio. Pan conveyer. 1,542,903; June 23.
Morgan, Porter A., Bartlesville, Okla. Vacuum-controlled regulator. 1,543,264; June 23.
Morin, Joseph A., Newark, N. J. Carroting machine. 1,543,182; June 23.

Morley, George W., et al., trustee. (See Josephson, Walter S., assignor.)
Morrill, Alfred R., Swampscott, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Inseam-sewing machine. 1,543,265; June 23.
Morris, William A., El Reno, Okla. Heel plate. 1,543,024; June 23.
Morrow, Thomas A., Wilburton, Okla. Flytrap. 1,543,228; June 23.
Morse, Frank L. (See Burns, Peter E., assignor.)
Mortimer, Charles G., Glen Ridge, N. J. Tape-feeding machine. 1,543,183; June 23.
Mosler Lock Company, The. (See Marvel, Edward W., assignor.)
Mueller, Adolph, trustee. (See Mueller, Philip, assignor.)
Mueller, Philip, assignor to A. Mueller, trustee, Decatur, Ill. Stream regulator for cocks. 1,543,291; June 23.
Mummert, Harvey C., Hollis, assignor by mesne assignments, to Curtiss Aeroplane and Motor Company Inc., Garden City, N. Y. Wing-strut fastening for aeroplanes. 1,543,651; June 23.
Munsingwear Corporation. (See Chatfield, Franklin, assignor.)
Munzner, Charles, Chicago, Ill., assignor to American Stove Company, St. Louis, Mo. Gas burner. 1,543,507; June 23.
Murdock, Max, Streator, Ill. Book-filing cabinet. 1,543,292; June 23.
Naito, Ryoichi. (See Senga, S., Kawata, and Naito.)
National Blank Book Company. (See Schade, John, assignor.)
National Bundle Tyer Company. (See Saxton, A. H and J. B., and Bachmayer, assignors.)
National Carbon Co. (See Rider, Carl S., assignor.)
National Fibreform Company. (See Thompson, Harry J. assignor.)
National Regulator Company. (See Budlong, Kenneth J., assignor.)
National Regulator Company. (See Larson, J. M., and Leach, assignors.)
National Standard Company. (See Hopkins, Arthur C assignor.)
Neal, George F., Oaklyn, N. J. Electrical insulator 1,543,508; June 23.
Neal, Louis, and M. L. Clark, Carbondale, Pa., assignors of one-half to said Neal, one-fourth to said Clark, and one-fourth to T. Cosgrove. Scranton, Pa. Ratchet wrench. 1,543,338; June 23.
Neikirk, John O., Lombard, assignor to Rodger Ballast Car Company, Chicago, Ill. Car construction. 1,543,477; June 23.
Nelson, Lewis D., Coldwater, Mich. Automobile heater. 1,543,339; June 23.
Nelson, Theodore J., assignor to Colonial Lamp & Fixture Works, Chicago, Ill. Folding lamp. 1,543,293 June 23.
Nelson, William E., Washington, D. C. Concrete building structure. 1,543,509; June 23.
Neumann, Julius J., Chicago, Ill. Mouthpiece for saxophones. 1,543,294; June 23.
Newberry, John A., Allegan, Mich. Coffee urn. 1,543,340; June 23.
Newbould, Maurice, Peterborough, England. Preventing uncontrolled backward movement of automobiles and the like. 1,543,478; June 23.
Newman, Joseph B., Ravenna, Ky. Mouthpiece for musical instruments. 1,543,655; June 23.
Newport News Shipbuilding & Dry Dock Company. (See Benson, Frank R., assignor.)
Newton, John C., Minneapolis, Minn. Spark plug. 1,542,825; June 23.
Nicholas, William. (See Planarosa, L. J., and Nicholas.)
Nichols, William H., Wilkinsburg, Pa. Pattern for making rolls. 1,543,229; June 23.
Nicholson, Frank H., Philadelphia, assignor to The Union Switch & Signal Company, Swissvale, Pa. Railway-traffic-controlling apparatus. 1,543,118; June 23.
Nicholson, Frederick A. (See Hobart, W. C., and Nicholson.)
Nicolaus, Frederic G., Cleveland, Ohio, assignor to American Stove Company, St. Louis, Mo. Sliding door for stoves. 1,543,510; June 23.
Niedecken, Edward F., Milwaukee, Wis. Valve template. 1,543,511; June 23.
Nielsen-Barton Chuck & Tool Company. (See Nielsen, Holger, assignor.)
Nielsen, Holger, Lawton, Mich. Lathe center. 1,542,827; June 23.
Nielsen, Holger, assignor to Nielson-Barton Chuck & Tool Company, Lawton, Mich. Chuck. 1,542,826; June 23.
Niles-Bement-Pond Company. (See Sears, Willard T., assignor.)
Nite-Eye Light Corporation. (See Carstarphen, William P., assignor.)
Nordness, Reinhart L., assignor of one-half to H. A. Roseth, Lily, S. Dak. Clutch-pedal control. 1,542,904; June 23.
Norris, Nelson H., Renfrew, Ontario, Canda. Flexible neck bearing. 1,543,025; June 23.
Norrlin, Charles H., Philadelphia, Pa. Automobile radiator. 1,542,905; June 23.
Noyes, Henry O., Oakland, Calif. Hack saw. 1,543,512; June 23.
Nutt, Arthur, assignor, by mesne assignments, to Curtiss Aeroplane & Motor Company, Inc., Garden City, Long Island, N. Y. Starter for internal-combustion engines. 1,543,479; June 23.
Oakes, Lucian R., assignor to The Oakes Manufacturing Company, Tipton, Ind. Heat control. 1,543,184; June 23.
Oakes Manufacturing Company, The. (See Oakes, Lucian R., assignor.)
O'Connor, John F., Chicago, Ill., assignor, by mesne assignments, to W. H. Miner, Inc. Friction shock-absorbing mechanism. 1,542,828; June 23.
Oesterlen, Otto, Essen, and K. Wieser, Werden, assignors to Fried. Krupp Aktiengesellschaft, Essen-on-the-Rhur, Germany. Slow combustion fuse for projectiles. 1,543,513; June 23.
Ogle, Elmer L., assignor to Federal Electric Company, Chicago, Ill. Fuse. 1,542,950; June 23.
Ohio Brass Company, The. (See Austin, Arthur O., assignor.)
Ohio Brass Company, The. (See Chandler, Homer P., assignor.)
Ohio Steel Foundry Company, The. (See Chiles, George S., assignor.)
Oldberg Manufacturing Company. (See Oldberg, Virgil, assignor.)
Oldberg, Virgil, assignor to Oldberg Manufacturing Company, Detroit, Mich. Muffler. 1,542,829; June 23.
O'Lear, Martin M., Brackenridge, Pa. Adjustable headlight. 1,543,230; June 23.
Oliver Iron & Steel Corporation. (See Fassinger, Charles, assignor.)
O'Malley, John F., Mamaroneck, N. Y. Safety razor. 1,543,587; June 23.
Olson, George W., Muskegon, Mich. Milling-machine attachment. 1,543,611; June 23.
O'Neill, Edward R., jr. (See Pace, Ethel M., assignor.)
Otis, Albert N., Schenectady, N. Y., assignor to General Electric Company. Electric steam boiler. 1,543,514; June 23.
Pace, Ethel M., Vicksburg, Miss., assignor of one-half to E. R. O'Neill, jr., New Orleans, La. Sound modulator. 1,542,906; June 23.
Page, Arden C., Cincinnati, Ohio. Comb. 1,543,588; June 23.
Palmenberg, Emil T., New York, N. Y. Pedestal for merchandise display fixtures. Des. 67,673; June 23.
Palmer, Alphonso T., Chicago, Ill. Anticreeper. 1,543,231; June 23.
Paper Products Machine Company. (See Howard, Charles H., assignor.)
P & M Company, The. (See Warr, Harold G., assignor.)
Paraffine Companies, The. (See Brown, Abner W., assignor.)
Paragon Button Corporation. (See Belsky, William, assignor.)
Parish, Winnifred B. (See Schwartz, Morris, assignor.)
Park City Cornice Works, Incorporated. (See Pitz, A. G., and Saur, assignors.)
Parke, Ella, administratrix. (See Greenstreet, James F.)
Parker, Herbert L., jr., St. Louis, Mo. Clothesrack. 1,542,830; June 23.
Parker, William H., Toledo, Ohio. Adjustable card holder. 1,543,295; June 23.
Parks, Arthur S., assignor to Sandwich Manufacturing Co., Sandwich, Ill. Attachment for magnetos. 1,543,480; June 23.
Parsons, Edward T., Newark, and E. J. Sternberg, Lyons Farms, N. J., assignors to Thomson Machine Company. Apparatus for molding dough. 1,542,831; June 23.
Parsons, Edward T., Newark, and E. J. Sternberg, Lyons Farms, N. J., assignors to Thomson Machine Company. Dough-molding machine. 1,542,832; June 23.
Parsons, Edward T., Newark, and E. J. Sternberg, Lyons Farms, N. J., assignors to Thomson Machine Company. Roll-molding machine. 1,542,833; June 23.
Parsons, John E., Los Angeles, Calif. Composition board and making the same. 1,543,394; June 23.
Parsons, William J., assignor to Millers Falls Company, Millers Falls, Mass. Hack-saw frame. 1,543,185; June 23.
Pascaud, Jules L. A., Paris, France. Chair. 1,543,612; June 23.
Patton, John G., Philadelphia, Pa. Soap container for shaving soap and the like. 1,543,481; June 23.
Patton, John R., Haynesville, La. Transmission lubricator. 1,543,613; June 23.
Paulsen, Nels, and M. A. Coler, Chicago, Ill. Smoking pipe. 1,543,395; June 23.
Paxton, Clifford M., Brooklyn, N. Y. Propelling system and method. 1,543,026; June 23.
Pearson, Charles H., Brookline, and F. W. Bold, Chelsea, Mass.; said Bold assignor to said Pearson. Fuse. 1,543,232; June 23.
Peaslee, Alexander S. L., Oak Park, Ill. Automatic controlling means for electric pumps. 1,543,482; June 23.
Peebles, Thomas A., and B. Bannister, Pittsburgh, Pa. Method of burning pulverized fuel and burner for pulverized fuel. 1,542,834; June 23.
Peerless Soap Company. (See Todt, Frederick, assignor.)
Pence, Homer O., Spring Valley, Wis. Oil-pipe cleaner. 1,543,614; June 23.

Penrod Walnut & Veneer Company. (See Kessler, Clarence A., assignor.)
Penwell, Lewis, Chicago, Ill., assignor to A-B-C Transit Refrigeration Co., Helena, Mont. System of refrigeration. 1,543,027; June 23.
People of the United States. (See Thelen, Rolf.)
Perkins, Augustus T., Oak Park, assignor to Webster Mfg. Company, Chicago, Ill. Car-dumping apparatus. 1,542,951; June 23.
Perkins, James A., Opelousas, La. Steering-gear connecting rod. 1,543,186; June 23.
Perkins, John A., Minneapolis, Minn. Dockage tester and operating the same. 1,543,028; June 23.
Peters, Frank M., and W. H. Hungerford, assignor to Peters Machinery Company, Chicago, Ill. Wrapping machine. 1,543,296; June 23.
Peters Machinery Company. (See Peters, F. M., and Hungerford, assignors.)
Peterson, Edwin A., Stockton, and G. Peterson, Elsinore, Calif. Shoe. 1,543,187; June 23.
Peterson, George. (See Peterson, Edwin A. and G.)
Peterson, Walter E., Park Ridge, assignor to International Harvester Company, Chicago, Ill. Disk-harrow control. 1,543,615; June 23.
Pfannenstiehl, Harry, Maplewood, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Distributing apparatus. 1,543,119; June 23.
Pfeiffer, Frederick, sr., Freeport, N. Y. Game apparatus. 1,543,616; June 23.
Phelps Dodge Corporation. (See Samuel, John M., assignor.)
Photo Sales Service Corporation. (See Urquhart, David G., assignor.)
Planarosa, Louis J., Trenton, N. J., and W. Nicholas, assignor to The Black Rock Mfg. Co., Bridgeport, Conn. Rubber-cutting-off machine. 1,542,907; June 23.
Pickard, Lynn W., Sacramento, Calif. Cultivator bracket and cutter. 1,543,515; June 23.
Pines Winterfront Company. (See Irving, Frank J., assignor.)
Piper, Frederick G., Winchester, England. Headlight and the like. 1,543,617; June 23.
Pitz, Adolph G., and O. X. Saur, assignor to Park City Cornice Works, Incorporated, Bridgeport, Conn. Truss lift. 1,543,341; June 23.
Plass, Ernest L., Elmhurst, Ill. Support. 1,542,952; June 23.
Pneumatic Scale Corporation. (See Everett, Arthur C., assignor.)
Pohl, Emil, Austin, Pa. Machine for coating, coloring, or otherwise treating paper. 1,542,835; June 23.
Pointon, John E., Peterborough, England, assignor to Baker-Perkins Company, Incorporated, White Plains, N. Y. Machine for the mixing and kneading of bread dough. 1,542,908; June 23.
Porsche, Ferdinand, Stuttgart-Unterturkheim, Germany, assignor to Daimler-Motoren-Gesellschaft, Wurttemberg, Germany. Radiator for internal-combustion engines. 1,543,342; June 23.
Poser, Max, assignor to Bausch & Lomb Optical Company, Rochester, N. Y. Stereocampimeter. 1,543,188; June 23.
Posson, Edward, Chicago, Ill. Self-centering side bearing. 1,542,836; June 23.
Posson, Edward, Chicago, Ill. Railway car. 1,542,837; June 23.
Postal Telegraph-Cable Company. (See Connery, Alder F., assignor.)
Powell, Daniel D., Seagraves, Tex. Clamp. 1,543,286; June 23.
Powell, William. (See Reigeluth, R. J., and Powell.)
Pratt & Whitney Company. (See Allen, Frederick C., assignor.)
Pratt & Whitney Company. (See Blood, Bryant H., assignor.)
Pratt & Whitney Company. (See Goodrich, Clarence L., assignor.)
Pratt & Whitney Company. (See Harten, John, assignor.)
Pray, Thomas E., assignor to Goodman Manufacturing Company, Chicago, Ill. Cutter head for coal-cutting machines. 1,543,516; June 23.
Prescott, Jacob O., Forest City, Iowa. Wire stretcher and splicer. 1,543,233; June 23.
Prince-Smith, William, and D. Waterhouse, Keighley, England. Spinning, twisting, and analogous machine. 1,543,618; June 23.
Prophet, Robert M., Rutherford, N. J., assignor to Reiss-Premier Pipe Company, Chicago, Ill. Smoking pipe. 1,542,828; June 23.
Prouty, Harris G. (See Bardwell, J., and Prouty.)
Pryor, Reginald C., Houghton, Mich. Seesaw. 1,543,619; June 23.
Puening, Franz, Chicago, Ill. Heating. 1,542,953; June 23.
Puening, Franz, Pittsburgh, Pa. Heating apparatus. 1,542,954; June 23.
Puening, Franz, Aspinwall, Pa. Heating method and apparatus. 1,542,955; June 23.
Puening, Franz, Aspinwall, Pa. Heating method and apparatus. 1,542,956; June 23.
Puening, Franz, Pittsburgh, Pa. Heating apparatus. 1,542,957; June 23.
Pusak, Joseph F., Brooklyn, assignor to David H. Zell, Inc., New York, N. Y. Coin bank. 1,543,483; June 23.
Punzak, Joseph F., Brooklyn, assignor to David H. Zell, Inc., New York, N. Y. Coin bank. 1,543,484; June 23.
Purox Company. (See Coberly, Clarence J., assignor.)
Pyle, Fay A., and C. E. Melton, Scottsbluff, Nebr. Boiler-feed regulator. 1,543,517; June 23.
Quinn, Paul W. (See Roden, J. J., Quinn, and Roden.)
Raber, Mathias, and J. H. Cummings, Bend, Oreg. Fish-hook holder. 1,543,120; June 23.
Ramsey, William B., Atlanta, Ga. Tooth-paste-serving device. 1,543,518; June 23.
Rastetter, William C., Fort Wayne, Ind. Folding chair. Des. 67,674; June 23.
Rastetter, William C., Fort Wayne, Ind. Folding chair. 1,543,386; June 23.
Ravenscroft, Alva E., assignor to C. R. Kieruiff & Co., Los Angeles, Calif. Double-deck combined take-up and pay-out wire reel. 1,543,121; June 23.
Ravenscroft, Alva E., assignor to C. R. Kieruiff & Co., Los Angeles, Calif. Single-disk pay-out and take-up wire reel. 1,543,122; June 23.
Rawls, Sol W., Franklin, Va. Screen for windshields. 1,543,189; June 23.
Rawson, William S., London, England. Treatment of hydromagnesite. 1,543,620; June 23.
Ray, Arthur J., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,542,958; June 23.
Raybestos Company, The. (See Ross, Elmer R., assignor.)
Reardon, Robert E., Columbia, Pa., assignor to Victory Sparkler & Specialty Company, Elkton, Md. Toy pistol. 1,542,959; June 23.
Redden, Alfred C., Seattle, Wash. Calk. 1,542,960; June 23.
Redpath, Robert C., Olathe, Kans. Road grader. 1,543,645; June 23.
Reeves, Francis M., Bogard, Mo. Governor for Fordson tractors. 1,542,839; June 23.
Regan, Joseph, Rockville, Conn. Brick. 1,542,909; June 23.
Reichart, William M., assignor to The Chandler & Price Company, Cleveland, Ohio. Inking roll for printing presses. 1,543,029; June 23.
Reid, Core H., Niagara Falls, N. Y. Fuel-burning grate. 1,542,910; June 23.
Reigeluth, Ray J., New Haven, and W. Powell, Hamden, Conn. Hammer mechanism used in driving sheathing. 1,542,961; June 23.
Reineke, Charles, assignor to The Reineke Motor Corporation, New York, N. Y. Engine. 1,543,485; June 23.
Reineke Motor Corporation, The. (See Reineke, Charles, assignor.)
Reinert, Wilhelm and G., Kahlisch, Munich-Gladbach, Germany. Rotary thread guide for cross winding frames. 1,543,519; June 23.
Reiss-Premier Pipe Company. (See Prophet, Robert M., assignor.)
Remington Typewriter Company. (See Smith, Charles E., assignor.)
Renard, Louis, Santa Rosa, Calif. Post puller. 1,543,123; June 23.
Reutter, Fred C., assignor of one-half to M. M. Finlayson, Los Banos, Calif. Wire-twisting tool. 1,543,520; June 23.
Rhude, Alonzo B., Plummer, Idaho. Spear-projecting trap. 1,543,030; June 23.
Richardson Ball Bearing Skate Company. (See Ertl, George J., assignor.)
Ricker, Norman H., Houston, Tex., assignor to Western Electric Company, Incorporated, New York, N. Y. Frequency standard. 1,543,124; June 23.
Riddell, Katharine J. (See Fullington, William H., assignor.)
Rider, Carl S., Lansing, Mich., assignor to National Carbon Co. Inc. Multiple-connection dry-cell battery. 1,542,911; June 23.
Ripsch, Charles W., and J. C. Dawley, assignors to The Joyce-Cridland Company, Dayton, Ohio. Positive stop for lifting jacks. 1,543,486; June 23.
Ristau, Wilhelm M., jr., Fredericksburg, Tex. Dual-ignition system. 1,543,521; June 23.
Robinson, Edwin E., Akron, Ohio, assignor to American Radiator Company, Chicago, Ill. Tire-liner cleaner. 1,543,297; June 23.
Robinson, Hugh R., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Control of relays. 1,543,125; June 23.
Robinson, James T. (See Smothers, Robert J., assignor.)
Rockwell, Charles, Newcastle, Wyo. Motor-vehicle-engine lubricating system. 1,542,912; June 23.
Roden, David C. (See Roden, J. J., Quinn, and Roden.)
Roden, John J., and P. W. Quinn, Minneapolis, and D. C. Roden, St. Paul, Minn. Auto brake-testing device. 1,542,962; June 23.
Rodger Ballast Car Company. (See Neikirk, John O., assignor.)
Roseth, Henry A. (See Nordness, Reinhart L., assignor.)
Ross, Elmer R., assignor to The Raybestos Company, Bridgeport, Conn. Detachable car for transmission bands. 1,543,522; June 23.
Ross, Elmer R., assignor to The Raybestos Company, Bridgeport, Conn. Detachable car for transmission bands. 1,543,523; June 23.

Rossman, Anges R., Scotch Plains, N. J. Sleeping car. 1,543,298; June 23.
Rowe, Russell R. (See Kitterman, Jesse C., assignor.)
Ruckstuhl, Charles W., assignor of one-half to L. E. Gonner, New Orleans, La. Cane-juice-settling tank. 1,543,621; June 23.
Ruggles-Coles Engineering Company. (See Finch, Francis E., assignor.)
Rupp, Charles E. (See Danser, Charles M., assignor.)
Russell, William K., Sharon, Wash. Cultivator. 1,542,968; June 23.
Rust, Robert R., New York, N. Y. Water heater. 1,543,449; June 23.
Ryder, Frank A., Chicago, Ill. Envelope. 1,542,964; June 23.
Sadtler, Helena S., Springfield Township, Montgomery County, Pa. Indelible transfer compound. 1,542,965; June 23.
Safety Pipe, Inc. (See Swerdlow, David, assignor.)
Safont, José. (See Lévy, E. A., and Safont.)
Sagul, Edward A., Newark, N. J. Marking tag. 1,543,190; June 23.
Sainson, Eugene, Great Kills, N. Y. Plate or similar article. Des. 67,675; June 23.
St. Joseph Iron Works. See Eklund, John G., assignor.)
Samuel, John M., Douglas, Ariz., assignor of fifty-five one-hundredths to Phelps Dodge Corporation. Metallurgical apparatus. 1,542,966; June 23.
Sandwich Manufacturing Co. (See Parks, Arthur S., assignor.)
Sanitarium and Hospital Equipment Company. (See Goodrich, Norris E., assignor.)
Sanitary Drain Flusher, Inc. (See Donald, William G., assignor.)
Saumer, William F. (See Kokesch, E. P., and Saumer.)
Saur, Otto X. (See Pits, A. G., and Saur.)
Saurenman, Edward E., and G. W. Cuyler, assignor of one-sixth to B. Johnson and one-sixth to S. Carr, Herington, Kans. Flue cleaner. 1,542,191; June 23.
Saxton, Albert H. and J. B., and J. J. Bachmayer, assignors to National Bundle Tyer Company, Blissfield, Mich. Bundle tier. 1,542,840; June 23.
Saxton, James B. (See Saxton, A. H. and J. B., and Bachmayer.)
Sayers, Royd R. (See Yant, W., and Sayers.)
Schade, John, assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, having as trustees, F. B. Towne, E. S. Towne, J. M. Towne, and F. W. Wilson. Locking means for telescoping elements. 1,542,841; June 23.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Preheating and distributing device for rotary oil burners. 1,543,234; June 23.
Scheminger, John, jr., Providence, R. I., assignor to Aetna Automatic Oil Burner, Incorporated, New York, N. Y. Oil-distributing head. 1,543,235; June 23.
Schenck, Peirce D., Dayton, Ohio, assignor to The Duriron Company, Inc. Cooling or heating tube. 1,542,842; June 23.
Schindler, Walter. (See Fradet, Charles, assignor.)
Schless, Maurice J., New York, N. Y. Display case. Des. 67,676; June 23.
Schmitz, Frederick, Alexandria, Ind. Lens. 1,543,126; June 23.
Schneider & Cie. (See Methlin, Nicolas E., assignor.)
Schneider, Heinrich. (See Kurrell, T., Schneider, and Fischer.)
Schoenhut, Harry E., Philadelphia, Pa., assignor to P. Sullivan, New York, N. Y. Animal doll. Des. 67,677; June 23.
Schofield, George W. (See Ballard, Bland H., assignor.)
Schramm, Theodore W., Bay City, Mich. Powder puff. 1,543,450; June 23.
Schroeder, Charles S., assignor to The Yale & Towne Manufacturing Company, Stamford, Conn. Padlock. 1,543,397; June 23.
Schwartz, Morris, assignor of one-half to W. B. Parish, Chicago, Ill. Bushing structure. 1,543,451; June 23.
Scott, Walter H., Dayton, Ohio, assignor to The Duriron Company, Inc. Digestion apparatus. 1,542,843; June 23.
Scovill Manufacturing Company. (See Boden, George, assignor.)
Sears, Willard T., Montclair, N. J., assignor to Nilos-Bement-Pond Company, New York, N. Y. Rotating table for radial drills. 1,543,236; June 23.
Seattle Astoria Iron Works. (See Troyer, Nelson, assignor.)
Seitz, Calvin B. (See Seitz, William J., and C. B.)
Seitz, Oskar, Baden, Switzerland, assignor to Gleichrichter-Aktiengesellschaft, Glarus, Switzerland. Vacuum meter. 1,542,913; June 23.
Seitz, William J. and C. B., Detroit, Mich. Vehicle axle. 1,543,452; June 23.
Selser, Harry A. (See Middleton, C. H., and Selser.)
Semones, Robert H., Dayton, Ohio. Combination vehicle spring, bumper, and shock absorber. 1,543,487; June 23.
Senga, Seiichiro, I. Kawata, and R. Naito, Kobe, Japan, assignors to Kanegafuchi Boseki Kabushiki Kwaisha, Tokyo, Japan. Filament supplier for silk-reeling machines. 1,543,398; June 23.
Serlin, Samuel H., Chicago, Ill. Amplifying horn. Des. 67,678; June 23.
Seyboldt, Carl F., Defiance, Ohio. Antirattling device. 1,542,844; June 23.
Seymour, James M., Newark, N. J. Drying kiln. 1,542,845; June 23.
Shamblin, Harvey C., Miami, Okla., assignor of two-fifths to himself, two-fifths to P. E. Bradley, Joplin, Mo., one-tenth to R. E. Babcock, and one-tenth to W. S. Babcock, Washington, D. C. Cleaning and warming system for the spark plugs of multicylinder internal-combustion engines and parts thereof. 1,543,646; June 23.
Shanaberger, Carl V., Indiana, Pa., assignor to Mine Appliances Company. Dump car. 1,542,914; June 23.
Shapiro & Aronson, Inc. (See Klein, Max, assignor.)
Sharp, Charles S., Auburn, N. Y., assignor to International Harvester Company. Tandem disk harrow. 1,543,622; June 23.
Sheely, Thomas D. (See Metzger, B. L., and Sheely.)
Shelley, Edgar E., assignor to The Economy Paper Company, Newark, N. J. Paper-towel-vending machine. 1,543,299; June 23.
Sherman, Howard B., Battle Creek, Mich. Battery clip. 1,543,524; June 23.
Sherman, John C., Portland, Me., assignor to Brown Company, Berlin, N. H. Paper yarn and producing the same. 1,542,915; June 23.
Shiras, David R., Pittsburgh, Pa. Silage-ejecting device. 1,543,525; June 23.
Shoenberg, Milton H., San Francisco, Calif. Electric heater. 1,542,967; June 23.
Shore, William E., New York, N. Y. Thermostatic control for oil burners. 1,543,127; June 23.
Short, Charles R., assignor to General Motors Corporation, Detroit, Mich. Gear-cutting machine. 1,543,031; June 23.
Sill Stove Works. (See Thomas, John A., assignor.)
Simerson, Charles H., West New York, N. J. Jack device for automobiles. 1,543,300; June 23.
Simonds, A. A., Dayton Company, The. (See Allison, Albert J., assignor.)
Simpson, Frank B. Poughkeepsie, N. Y. Curtain for automobiles. 1,543,192; June 23.
Simpson, James A., Toronto, Ontario, Canada. Baker's oven. 1,543,128; June 23.
Singer Manufacturing Company, The. (See Fifield, Albert F., assignor.)
Singer Manufacturing Company, The. (See Grieb, Alfred, assignor.)
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. End structure for railway cars. 1,543,032; June 23.
Sivertsen, Peter, assignor to Globe Slicing Machine Co. Inc., New York, N. Y. Slicing machine. 1,543,243; June 23.
Sjostrom, Louis O., and M. D. Spencer, Meyers Falls, Wash. Ditch-forming machine. 1,543,367; June 23.
Skogerson, John A., Sioux City, Iowa. Latch. 1,542,916; June 23.
Smart, Summey R., Circle, Mont. Lead leveler. 1,543,623; June 23.
Smith, Charles E., Brooklyn, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,543,193; June 23.
Smith, Frank J., Dodge City, Kans. Hog-scalding apparatus. 1,543,129; June 23.
Smith, Frederick W. (See Walker, Herbert A., assignor.)
Smith, Herbert K., assignor to M. P. Smith, New Orleans, La. Wrist watch band. 1,543,399; June 23.
Smith, Major & Stevens Limited. (See Stevens, Percy H., assignor.)
Smith, Merle P. (See Smith, Herbert K., assignor.)
Smith, Samuel B., Cleveland, assignor to The Buckeye Incubator Company, Springfield, Ohio. Incubator. 1,543,130; June 23.
Smithline, Jacques, Brooklyn, N. Y. Stethoscope. 1,543,453; June 23.
Smothers, Robert J., assignor of one-half to J. T. Robinson, Holyoke, Mass. Printing press. 1,543,526; June 23.
Smothers, Robert J., assignor of one-half to J. T. Robinson, Holyoke, Mass. Phototypographic character slug. 1,543,527; June 23.
Smothers, Robert J., assignor of one-half to J. T. Robinson, Holyoke, Mass. Phototypographic rotogravure character slug. 1,543,528; June 23.
Snellenberger, Richard O., Chicago, assignor to Iron Oxide Products, Inc., Cicero, Ill. Manufacture of iron oxide. 1,542,968; June 23.
Snelling, Walter O., Allentown, Pa. Electrode. 1,543,033; June 23.
Snowden, Byron S., Albany, N. Y. Railway hand car. 1,543,624; June 23.
Societe Chemique des Usines en Rhone. (See Altwegg, Jean, assignor.)
Société d' Etudes Chemiques pour l'Industrie. (See Breslauer, J., and Darier, assignors.)
Solomon, Samuel. (See Kvarnstrom, Alfred T., assignor.)
Sonoda, Shingo, Kyoto, Japan. Improving the physical properties of electrolytically deposited copper sheets. 1,543,237; June 23.
Sørensen, Anders T. (See Thygesen, J. P. N., and Sørensen.)

Sørensen, Niels P. (See Thygesen, J. P. N., and Sørensen.)
Sparks, William, assignor to The Sparks-Withington Company, Jackson, Mich. Bracket. 1,543,455; June 23.
Sparks, William, Jackson, Mich., assignor to The Sparks-Withington Company, Cleveland, Ohio. Bracket. 1,543,454; June 23.
Sparks-Withington Company, The. (See Sparks, William, assignor.)
Spear, Lawrence Y., New London, Conn., assignor to Electric Boat Company, New York, N. Y. Gun mounting for submarines. 1,542,969; June 23.
Spear, Lawrence Y., assignor to Electric Boat Company, Groton, Conn. Gun mounting for submarines. 1,542,970; June 23.
Spencer, Corte J., Dundee, N. Y. Bull poke. 1,543,194; June 23.
Spencer, Myron D. (See Sjostrom, L. O., and Spencer.)
Sperr, Frederick W., jr., and H. L. Jacobson, assignors to The Koppers Company, Pittsburgh, Pa. Producing alkali-metal carbonates. 1,542,971; June 23.
Sperry, Samuel E., Woodhaven, assignor to Intertype Corporation, Brooklyn, N. Y. Casting mechanism for typographical machines. 1,543,625; June 23.
Sprenger, George W., Lynn, Mass., assignor to General Electric Company. Electromagnetic measuring instrument. 1,543,529; June 23.
Squier, Isaac C., North Plainfield, N. J. Inking mechanism for printing presses. 1,543,084; June 23.
Standard Leather Machinery Co. (See Horsting, William F., assignor.)
Stansbury, George E., Danville, Ill. Attachment for rocking chairs. 1,543,626; June 23.
Staples, Ralph H., Mount Vernon, Ind. Burner. 1,542,917; June 23.
Starkey, John B., Montreal, Quebec, Canada. Power-transmitting device. 1,543,400; June 23.
Steinmetz, Joseph A., Philadelphia, Pa. Golf-practice apparatus. 1,543,401; June 23.
Stern, Russel W., Bethlehem, Pa. Coal-handling plant. 1,543,627; June 23.
Stern, Harry L. (See De Vore, Charles D., assignor.)
Sternberg, Ernst J. (See Parsons, E. T., and Sternberg.)
Stevens, Percy H., assignor to Smith, Major & Stevens Limited, Northampton, England. Hydraulic braking device for shaft-operated lifts. 1,543,402; June 23.
Stevens, Sylvester G., Duluth, Minn. Threshold. 1,543,034; June 23.
Stickel, Harry C., Dawson, Pa. Railway-car truck. 1,543,403; June 23.
Stirling, Robert, Dormans Park, England. Apparatus for controlling oil wells. 1,543,488; June 23.
Stock, Friedrich J. J., Munich, Germany. Regenerating worn cinematographic films. 1,543,301; June 23.
Stokes, Harry P., Plymouth, and J. W. Eunson, London, England. Rail-dressing machine. 1,543,404; June 23.
Stough, Jay A., Tulsa, Okla. Tank-roof covering. 1,543,131; June 23.
Stover, Roy L., Oklahoma City, Okla. Spark plug. 1,543,628; June 23.
Stransky, Leo G., Pukwana, S. Dak. Vaporizing attachment. 1,543,530; June 23.
Strauss, Joseph B., Chicago, Ill. Bascule bridge. 1,542,972; June 23.
Streib, Charles, Hoboken, N. J. Flag or flower stand. 1,543,656; June 23.
Streisel, Fred A., Cleveland, Ohio. Holder for bread kneaders or the like. 1,543,531; June 23.
Strid, Sven J., Chicago, Ill. Securing a wooden lining to a corrugated wall. 1,543,035; June 23.
Stromquist, Charlie. (See Gepfert, W. O., and Stromquist.)
Stubbs, David W., Chicago, Ill., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighing scale. 1,542,918; June 23.
Sturges, Dwight C., Melrose, Mass. Bathtub adjunct. 1,543,238; June 23.
Sullivan, Pat. (See Schoenhut, Harry E., assignor.)
Summerbell, William J., Alhambra, Calif. Roofing-truss structure. 1,542,919; June 23.
Sunderman, Frederick E., Newburgh, assignor, by mesne assignments, to J. D. Lacey, New York, N. Y. Piston construction. 1,543,652; June 23.
Swangren, Charles O., Maywood, Ill. Hammer. 1,543,457; June 23.
Swanson, Gust. (See Gall, J. H., and Swanson.)
Sweet, Arthur E., assignor to W. D. Tripple, Tacoma, Wash. Oil burner. 1,543,132; June 23.
Swenson, Hejmert A., assignor to S. D. Dougherty & Company, Incorporated, Philadelphia, Pa. Bedpan support. 1,542,920; June 23.
Swenson, Herman C., Houston, Minn. Auxiliary heater. 1,543,405; June 23.
Swerdlow, David, Brooklyn, assignor to Safety Pipe, Inc., New York, N. Y. Pipe. 1,543,302; June 23.
Takamine Ferment Co. (See Takamine, Jokichi, jr., assignor.)
Takamine, Jokichi, jr., Clifton, N. J., assignor to Takamine Ferment Co., New York, N. Y. Starch-free bran and making the same. 1,543,458; June 23.
Talbot, William P., Millbrook, N. Y. Necktie support. 1,543,303; June 23.
Talbaferro, John C., jr., Baltimore, Md., assignor to Continental Can Company, Inc., Syracuse, N. Y. Ball for paint cans or the like. 1,543,406; June 23.
Tandy, David S., Walters, Okla. Fishing tool. 1,543,407; June 23.
Tatosian, Martin, Bridgeport, Conn. Combined sled and velocipede. 1,543,239; June 23.
Taylor, Frank E., Broken Bow, Nebr. Applicator. 1,543,629; June 23.
Taylor, George H. (See Ford, H., and Taylor.)
Taylor Instrument Companies. (See Foote, Edward B., assignor.)
Taylor, James L., Mfg. Co. (See Burns, Raymond W., assignor.)
Talyor, Lawrence H., Iola, Kans. Domestic press. 1,543,036; June 23.
Teeter, Harry, assignor of one-third to E. D. Beeman and one-third to G. M. Denham, Spokane, Wash. Automatic picture-display apparatus. 1,543,240; June 23.
Teeter, James F., Forest Park, Ill. Adjustable light fixture. 1,543,037; June 23.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the people of the United States. Reversible-circulation internal-fan kiln. 1,543,344; June 23.
Thelen, Rolf, Madison, Wis., dedicated, by mesne assignments, to the citizens of the United States of America. Reversible-circulation internal-fan kiln. 1,543,459; June 23.
Thermo-Wall Construction Company. (See Hoenemann, Theodor E., assignor.)
Thiede, William. (See Cofrancesco, P., and Thiede.)
Thieme, Anna D., Hannover, Germany. Collapsible packing case or the like of sheet metal. 1,542,268; June 23.
Thomas Day Company. (See Goddard, Wilfred B., assignor.)
Thomas, Jesse B., Kansas City, Kans., assignor to Lewis H. Borneriue, Kansas City, Mo. Stove. 1,542,921; June 23.
Thomas, John A., assignor to Sill Stove Works, Rochester, N. Y. Heating apparatus. 1,543,630; June 23.
Thompson, George G., assignor to Wisner Manufacturing Company, New York, N. Y. Can-cover steriliser. 1,543,345; June 23.
Thompson, George K., Maplewood, N. J., assignor to American Telephone and Telegraph Company. Telephone receiver. 1,542,922; June 23.
Thompson, Gustave R. (See Bergmann, Carl, jr., assignor.)
Thompson, Harry J., assignor to National Fibreform Company, San Francisco, Calif. Fruit container. 1,543,038; June 23.
Thomson Machine Company. (See Parsons, E. I., and Sternberg, assignors.)
Thorpe, Samuel T. (See Emmet, W. L. R., and Thorpe.)
Thygesen, Jens P. N. A. T. Sørensen, and N. P. Sørensen, Langaa, Denmark. Device for cutting up fetal and like objects in animals. 1,543,193; June 23.
Tilley, Frederick W. Hamilton, Ontario, Canada. Billiard and pool table cushion. 1,543,133; June 23.
Timidaiski, David, Scobeyville, N. J. Stake-securing means. 1,543,532; June 23.
Tiregage Valve Corporation. (See Welton, Park E., assignor.)
Titus, Henry W., New York, N. Y. Headgear for exercisers. 1,543,346; June 23.
Todd, Libanus M., Rochester, N. Y. Shelter. 1,543,134; June 23.
Todd, William O., Los Angeles, Calif. Deep-well pumping apparatus. 1,543,488; June 23.
Todt, Frederick, assignor to Peerless Soap Company, Los Angeles, Calif. Soap-dispensing device. 1,543,631; June 23.
Tomlinson, Charles H., assignor to The Tomlinson Coupler Company, Mansfield, Ohio. Coupler. 1,543,304; June 23.
Tomlinson Coupler Company, The. (See Tomlinson, Charles H., assignor.)
Tomkins, John D., Valatie, N. Y. Paper-making machine. Re16,100; June 23.
Trailer Truck Company, The. (See Utter, Lee E., assignor.)
Treanor, Edward D., Pittsfield, Mass., assignor to General Electric Company. Incased electrical apparatus. 1,543,533; June 23.
Trinca, Francis L., Caulfield, Victoria, Australia. Appliance for assisting child birth. 1,543,632; June 23.
Trinks, Franz, Brunswick, Germany. Calculating machine. 1,543,196; June 23.
Tripple, W. D. (See Sweet, Arthur E., assignor.)
Trostel, Albert O. (See Laukhuff, Alfred, assignor.)
Troyer, Nelson, assignor of one-half to Seattle Astoria Iron Works, Seattle, Wash. Can-body-forming machine. 1,543,460; June 23.
Trumbull Electric Manufacturing Company, The. (See Wheeler, Frank T., assignor.)
Tubular Products Company, The. (See Bradnack, John H., assignor.
Tung, Lee. (See Bloom, Carl T., assignor.)
Tuppen, Edward. (See Turner, E. O., and Tuppen.)

Turner, Ernest O., and E. B. Tuppen, assignors to The British Lighting and Ignition Company, Limited, Birmingham, England. Ignition magneto. 1,543,347; June 23.

Ullrich, Georg, Magdeburg, assignor to the Firm Fried. Krupp Grusonwerk Aktiengesellschaft, Magdeburg-Buckau, Germany. Wet magnetic separation on roller separators. 1,543,534; June 23.

Ulrich, Christian D., North Little Rock, Ark. Expansible clamp. 1,543,197; June 23.

Underwood Typewriter Company. (See Waldheim, John, assignor.)

Underwood, Walter J., London, England. Control of railway trains. 1,543,461; June 23.

Union Metal Products Company. (See Bonsall, Charles D., assignor.)

Union Metal Products Company. (See Sisson, Vinton E., assignor.)

Union Special Machine Company. (See Chalman, John E., assignor.)

Union Switch & Signal Company. (See Nicholson, Frank H., assignor.)

United Shoe Machinery Corporation. (See Cook, Charles H., assignor.)

United Shoe Machinery Corporation. (See Morrill, Alfred R., assignor.)

United States Cast Iron Pipe & Foundry Company. (See Anthony, Thomas P., assignor.)

United States Foil Company. (See Emrich, Merritt L., assignor.)

United States Hoffman Machinery Corporation. (See Cohen, Hyman E., assignor.)

Universal Draft Gear Attachment Company. (See Camp, Percy B., assignor.)

Universal Draft Gear Attachment Co. (See Camp, P. B., and Bartsch, assignors.)

Universal Draft Gear Attachment Co. (See Wrigley, Henry I., assignor.)

Urquhart, David G., assignor to Photo Sales Service Corporation, Chicago, Ill. Photographic-printing apparatus. 1,542,923; June 23.

U. S. Slicing Machine Company. (See Brownsey, Oscar, assignor.)

U. S. Slicing Machine Company. (See Van Berkel, Wilhelmus A., assignor.)

Utter, Lee E., assignor to The Trailer Truck Company, Nashotah, Wis. Traveling rotative bolster. 1,542,973; June 23.

Van Berkel, Wilhelmus A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Laporte, Ind. Meat-slicing machine. 1,543,305; June 23.

Van Berkel, Wilhelmus A., Rotterdam, Netherlands, assignor to U. S. Slicing Machine Company, Laporte, Ind. Slicing machine. 1,543,306; June 23.

Van Dorn Electric Tool Company, The. (See Baehr, Christian F., assignor.)

Van Dorn Iron Works Company, The. (See Whitehouse, John T., assignor.)

Van Gelder, Henry J., and J. Ward, Brooklyn, N. Y. Nut lock. 1,543,638; June 23.

Vaszin, Aurel, Dayton, Ohio. Amusement device. 1,543,462; June 23.

Venton, Frederick, Chicago, Ill. Flexible pipe joint 1,543,348; June 23.

Venzlaff, Richard, assignor of one-third to A. von Mumm and one-third to W. von Mumm, Berlin, Germany Steering stepper. 1,543,535; June 23.

Vervoort, Lambert H., Washington, D. C. Bearing. 1,543,039; June 23.

Vester, Alfred, Sons, Inc. (See Gerth, Ruth L., assignor.)

Vicary, Arthur C., assignor to Erie Steam Shovel Company, Erie, Pa. Power excavating machine and actuating the same. 1,542,974; June 23.

Victory Sparkler & Specialty Company. (See Reardon, Robert E., assignor.)

Vincon, Gustavo, Villar Perosa, near Pinerolo, Italy. Ball bearing. 1,543,135; June 23.

Von Mumm, Arthur, et al. (See Venzlaff, Richard, assignor.)

Von Mumm, Walter, et al. (See Venzlaff, Richard, assignor.)

Wagner, Frederick H. (See Benson, M., and Wagner.)

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,542,924; June 23.

Waldheim, John, Elizabeth, N. J., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,542,975; June 23.

Walker, George B., Washington, D. C., assignor to A-B-C Transit Refrigeration Company, New York, N. Y. Refrigerating apparatus. 1,543,040; June 23.

Walker, Herbert A., Fullerton, assignor to F. W. Smith, Whittier, Calif. Brake-band structure. 1,543,536; June 23.

Walker, Roy C. (See Harms, G., and Walker.)

Walker, Sheridan A., New York, N. Y. Refrigerator. 1,543,349; June 23.

Walters, Marion I., Washington, D. C. Water meter. 1,543,198; June 23.

Wambold, H. M., Jermyn, Pa. Shoe polisher. 1,542,925; June 23.

Ward, James B., Nashville, Tenn. Dough-cutting machine. 1,543,136; June 23.

Ward, John. (See Van Gelder, H. J., and Ward.)

Warnam, Charles E., and A. J. Dreher, Norwood, assignors to The American Laundry Machinery Company, Cincinnati, Ohio. Collar-ironing machine. 1,543,350; June 23.

Warner Gear Company. (See White, Samuel O., assignor.)

Warr, Harold G., Park Ridge, assignor to The P & M Company, Chicago, Ill. Railway-track implement. 1,543,463; June 23.

Waterhouse, David. (See Prince-Smith, W., and Waterhouse.)

Weaton, George F., Rivermines, Mo. Apparatus for continuously indicating and controlling the degree of concentration of liquids in evaporating vessels. 1,543,137; June 23.

Weaver, Floyd C., Washington, D. C. Lapping gauge blocks. 1,543,041; June 23.

Webb, Barbra, Everett, Wash. Tray. Des. 67,679; June 23.

Webb, Zaida B., Astoria, assignor to Averill Manufacturing Corporation, New York, N. Y. Figure toy. 1,543,351; June 23.

Webster Mfg. Company. (See Perkins, Augustus T., assignor.)

Weed Control Company of California. (See Hughes, Hugh E., assignor.)

Well-Ransom Company. (See Erickson, Herbert H., assignor.)

Weinstein, Isreal. (See Larose, Leo M., assignor.)

Welborn, Edgar C., Evanston, Ill. Man-power device. 1,543,464; June 23.

Welch, Clarence R., Denver, Colo. Hoisting-engine controller. 1,543,138; June 23.

Wells, Ray A., Lucerne, Mo. Mud hook. 1,542,976; June 23.

Welton, Park E., Cuyahoga Falls, Ohio, assignor to Tire-gage Valve Corporation, Charleston, W. Va. Pneumatic tire-pressure gauge. 1,542,926; June 23.

Wentworth, William E., San Antonio, Tex. Well-pulling machinery. 1,543,269; June 23.

Wertheimer, Sydney B., Brooklyn, N. Y. Lustrous fabric for decorative purposes. 1,543,634; June 23.

West Disinfecting Company. (See Kooperstein, Louis, assignor.)

Western Electric Company. (See Curtis, A. S., and Beaver, assignors.)

Western Electric Company. (See Maxfield, Joseph P., assignor.)

Western Electric Company. (See Pfannenstiehl, Harry, assignor.)

Western Electric Company. (See Ricker, Norman H., assignor.)

Western Electric Company. (See Robinson, Hugh R., assignor.)

Western Electric Company. (See Williams, S. B., and Hinrichsen, assignors.)

Wheeler, Frank T., assignor to The Trumbull Electric Manufacturing Company, Plainville, Conn. Inclosed switch construction. 1,543,352; June 23.

Whipple, Amos E., assignor to Whitin Machine Works, Whitinsville, Mass. Thread guide. 1,543,139; June 23.

Whitaker, Hobert B., Norton, Va. Tool box. 1,542,927; June 23.

White, Samuel O., assignor to Warner Gear Company, Muncie, Ind. Automobile brake. 1,543,647; June 23.

Whitehouse, John T., assignor to The Van Dorn Iron Works Company, Cleveland, Ohio. Jail-door-locking mechanism. 1,543,140; June 23.

Whitin Machine Works. (See Whipple, Amos E., assignor.)

Whitlock Cordage Company. (See Whitlock, Herbert V., assignor.)

Whitlock, Herbert V., Elizabeth, assignor to Whitlock Cordage Company, Jersey City, N. J. Rope structure. Re16,101; June 23.

Whitten, Frank A., assignor to General Motors Corporation, Detroit, Mich. Muffler for internal-combustion engines. 1,543,042; June 23.

Whittingham, George H., assignor to Monitor Controller Company, Baltimore, Md. Thermally-operated circuit. 1,543,408; June 23.

Wickson, Gladys E., Victoria, British Columbia, Canada. Building block. 1,543,635; June 23.

Wieser, Karl. (See Oesterlen, O., and Wieser.)

Wiggers, John. (See Wiggers, Otto and J.)

Wiggers, Otto and J., Walla Walla, Wash. Expansible piston. 1,543,409; June 23.

Wilbur White Chemical Company, The. (See Bridgman, J. Allington, assignor.)

Wilkinson, James, Lynn, Mass., assignor to General Electric Company. Dynamo-electric machine. 1,543,587; June 23.

Williams, John L., Los Angeles, Calif. Valve. 1,543,410; June 23.

Williams, Samuel B., Brooklyn, and E. E. Hinrichsen, assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,542,977; June 23.

Williamson, Hugh, Bournemouth, England. Golf club. 1,543,636; June 23.

Wilson, C. R., Body Company. (See Breneman, Paul E., assignor.)

Wilson, George E., Omaha, Nebr. Hand reel. 1,543,489; June 23.

Wilson, Tom, Johnstown, Pa. Mail appliance. 1,543,307; June 23.

Wine, William E., Toledo, Ohio. Side bearing. 1,543,538; June 23.

Winebrake, Charles J., Newark, N. J. Gate. 1,543,199; June 23.

Wisner Manufacturing Company. (See Thompson, George G., assignor.)

Witherell, Arthur L., Wethersfield, Conn. Liquid register. 1,543,465; June 23.

Wittig, Alvin C., Hartford, Wis. Picking table for pea viners and cleaners and the like. 1,543,411; June 23.

Wolff, Albert, Berlin, German. Production of disinfecting solutions which are capable of being regenerated. 1,542,928; June 23.

Wolfe, Harry S., New Rochelle, N. Y. Hose. 1,543,353; June 23.

Woll, John M., Kittanning, Pa. Device for controlling the flow of wells. 1,543,637; June 23.

Wood, George H., Roanoke, Va. Wax-applying and polishing device. 1,543,412; June 23.

Wood, William H., Cleveland, Ohio. Lamp. 1,543,141; Woodbury, John E., Worcester, Mass. Sheet-separating machine. 1,543,490; June 23.

Woods, Frank G., Memphis, Tenn. Baby carrier for automobiles. 1,543,142; June 23.

Woolrich, Edward, Sault Ste. Marie, Ontario, and G. R. Holliger, Montreal, Quebec, Canada. Centrifugal drier. 1,542,929; June 23.

Worthington, Charles C., Dunfield, N. J. Tee stand. 1,543,466; June 23.

Worthington Pump and Machinery Corporation. (See Allerton, Robert W., assignor.)

Woznuck, Michail, Philadelphia, Pa. Toy. 1,543,143; June 23.

Wright, Attie, Marshfield, Wis. Flour bin. 1,543,241; June 23.

Wright, Kirk K., assignor to R. G. Wright & Co., Buffalo, N. Y. Heat exchanger. 1,542,978; June 23.

Wright, R. G., & Co. (See Wright, Kirk K., assignor.)

Wrightson, Elsie M., Mobile, Ala. Danger-indicating device for highways. 1,543,589; June 23.

Wrigley, Henry I., Chicago, Ill., assignor to Universal Draft Gear Attachment Co. Brake mechanism. 1,543,467; June 23.

Wurm, Henry, Cleveland, Ohio. Marble shooter. 1,543,144; June 23.

Yale & Towne Manufacturing Company, The. (See Schroeder, Charles S., assignor.)

Yant, William, Pittsburgh, Pa., and R. R. Sayers, Washington, D. C. Estimation of carbon monoxide. 1,542,979; June 23.

Yaxley, Ernest E., Chicago, Ill. Resistance-adjusting device. 1,543,468; June 23.

Yeomans, Frank P., assignor of one-half to S. Yeomans, Oakland, and one-half to M. Horn, San Francisco, Calif. Controller handle. 1,543,145; June 23.

Yeomans, Selman, et al. (See Yeomans, Frank P., assignor.)

Yingling, John E., Topeka, Kans. Headlight lamp. 1,542,980; June 23.

Zacher, Fred T., St. Louis, Mo. Folding machine. 1,543,354; June 23.

Zeh, Ludwig. (See Huismann, J., Duisberg, Hentrich, and Zeh.)

Zell, David H., Inc. (See Punsak, Joseph F., assignor.)

Ziegler, Harry, assignor to Levitt Millinery Company, St. Louis, Mo. Hatrock. Des. 67,680; June 23.

Zimmerer, Ferdinand H., St. Louis, Mo. Truck for supporting form rollers on printing presses. 1,543,146; June 23.

Zimmerman, Thomas, assignor, by mesne assignments, to The Eaton Axle & Spring Company, Cleveland, Ohio. Axle. 1,543,147; June 23.

Zipf, Eugene W., Mineral Ridge, Ohio. Closure seal. 1,543,355; June 23.

Zohodiakin, Victor F. (See Hanson, H. A., and Zohodiakin.)

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 23D DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Accelerator. P. C. Labasse. 1,543,578; June 23.
Accoustical aid for deaf persons. J. P. Maxfield. 1,543,117; June 23.
Acetylene-gas generator. M. H. Compton. 1,543,058; June 23.
Acid, Benzoxazolon-5-arsonic. L. Benda. 1,543,544; June 23.
Acids, Aminoalkylaminonaphthalene sulphonic. J. Huismann, W. Duisberg, W. Hentrich, and L. Zeh. 1,543,569; June 23.
Advertising device. G. F. Gavard. 1,543,605; June 23.
Advertising device. L. M. Hendler. Des. 67,659; June 23.
Aeroplane brake. J. C. Harris and C. N. Mayfield. 1,543,566; June 23.
Aeroplanes, Wing strut fastening for. H. C. Mummert. 1,543,651; June 23.
Agricultural implement, Power-lift. J. Mader. 1,543,116; June 23.
Air, gas, and vapor mixer. E. McCutcheon. 1,543,476; June 23.
Air valve, Auxiliary. W. H. Kitto, jr. 1,543,110; June 23.
Alkali-metal carbonates, Producing. F. W. Sperr, jr., and D. L. Jacobson. 1,542,971; June 23.
Amusement apparatus. M. T. Berman. 1,543,594; June 23.
Amusement device. A. Vasnin. 1,543,462; June 23.
Anchor, Sea. I. R. Fleming. 1,543,562; June 23.
Antenna system, Automatic. J. H. Hammond, jr. 1,542,938; June 23.
Anticreeper. A. T. Palmer. 1,543,231; June 23.
Antikicking device. F. M. McIntyre. 1,543,336; June 23.
Antirattling device. C. F. Seyboldt. 1,542,844; June 23.
Appliance for assisting child birth. F. L. Trinca. 1,543,632; June 23.
Applicator. F. E. Taylor. 1,543,629; June 23.
Apron. J. Menke. 1,543,584; June 23.
Arch brace. G. H. Jung, jr. 1,543,573; June 23.
Artillery, Piece of. N. E. Methlin. 1,543,263; June 23.
Auger stems, bits, and substitutes, Making spiral. L. H. Leidecker. 1,543,608; June 23.
Auto brake-testing device. J. J. Roden, P. W. Quinn, and D. C. Roden. 1,542,962; June 23.
Autoclave or the like. J. A. Bridgman. 1,543,275; June 23.
Automobile body. C. J. Carlson. 1,542,854; June 23.
Automobile brake. S. O. White. 1,543,647; June 23.
Automobile curtain. F. B. Simpson. 1,543,192; June 23.
Automobile engines, Accelerator for. C. E. Frederickson. 1,543,285; June 23.
Automobile heater. L. D. Nelson. 1,543,339; June 23.
Automobile radiator. C. H. Norrlin. 1,542,905; June 23.
Automobile signal-casing. C. T. Bloom. Des. 67,643; June 23.
Automobiles and the like, Preventing uncontrolled backward movement of. M. Newbould. 1,543,478; June 23.
Automobiles, Driving attachment for. W. H. Lonsdale. 1,542,897; June 23.
Automobiles, Jack device for. C. H. Simerson. 1,543,300; June 23.
Auxiliary heater. H. C. Swenson. 1,543,405; June 23.
Awning for automobiles. R. E. Bentley. 1,543,593; June 23.
Axle. T. Zimmerman. 1,543,147; June 23.
Axle, Vehicle. W. J. and C. B. Seitz. 1,543,452; June 23.
Baby carrier for automobiles. F. G. Woods. 1,543,142; June 23.
Bag-filling machine. C. H. Howard. 1,543,437; June 23.
Bail for paint cans or the like. J. C. Taliaferro, jr. 1,543,406; June 23.
Balance-wheel support. B. H. Ballard. 1,543,088; June 23.
Bank, Coin. J. F. Punsak. 1,543,483–4; June 23.
Basket-making machine. J. G. Eklund. 1,542,930; June 23.
Bathtub adjunct. D. C. Sturges. 1,543,238; June 23.
Battery: *See*—
Storage battery.
Battery-box handle. L. W. Hottel. 1,543,160; June 23.
Battery clip. H. H. Sherman. 1,543,524; June 23.
Batteries, Support for vehicle. L. J. Bobannon. 1,542,821; June 23.
Bearing. L. H. Vervoort. 1,543,039; June 23.
Bearing, Antifriction. C. E. Fuller. 1,543,252; June 23.
Bearing, Ball. G. Vincon. 1,543,135; June 23.
Bearing, Double-row ball. P. Cofrancesco and W. P. Thiede. 1,543,320; June 23.
Bearing, Flexible neck. N. H. Norris. 1,543,625; June 23.
Bearing, Self-centering side. E. Possom. 1,542,836; June 23.
Bearing, Side. E. G. Goodwin. 1,543,329; June 23.
Bearing, Side. W. E. Wine. 1,543,538; June 23.
Bed brace, Restraining body. E. Bagnor. 1,543,653; June 23.
Bedpan support. H. A. Swenson. 1,542,920; June 23.
Bed, Wall. B. L. Jones. 1,543,440; June 23.
Belts, Filler for the clamped ends of. W. W. Donnelly. 1,543,559; June 23.
Billiard and pool table cushion. F. W. Tilley. 1,543,133; June 23.
Billiard table. E. and G. Correale. 1,543,559; June 23.
Bin: *See*—
Flour bin.
Blanks and the like, Mechanism for feeding. C. Fassinger. 1,543,251; June 23.
Block: *See*—
Building block.
Block machine. C. M. Eberling. 1,543,068; June 23.
Blotter. R. H. Binns. 1,542,816; June 23.
Blow-out shoe. A. H. Cooper. 1,543,151; June 23.
Board and making the same, Composition. J. E. Parsons. 1,543,394; June 23.
Boat-control device. B. G. Harley. 1,543,082; June 23.
Boiler: *See*—
Electric steam boiler. Stand boiler.
Boiler-feed regulator. F. A. Pyle and C. E. Melton. 1,543,517; June 23.
Bolster, Traveling rotative. L. E. Utter. 1,542,978; June 23.
Bookbinding machine. P. Frazier and R. E. Askley. 1,543,378; June 23.
Boom for bricksetters, Gooseneck. G. B. Luce. 1,543,214; June 23.
Boring bar and the like. A. V. Hanntân. 1,543,006; June 23.
Bottle. U. Kawasaki. 1,542,944; June 23.
Bottle-cap removers, Applying. C. M. Danzer. 1,543,554; June 23.
Box: *See*—
Index box. Outlet box.
Journal box. Tool box.
Brace: *See*—
Arch brace. Bed brace.
Bracket: *See*—
Shade bracket.
Bracket, W. Sparks. 1,543,454–5; June 23.
Brake: *See*—
Aeroplane brake. Vehicle brake.
Automobile brake.
Brake-band structure. H. A. Walker. 1,543,536; June 23.
Brake mechanism. P. B. Camp and H. E. Bartsch. 1,543,470; June 23.
Brake mechanism. H. I. Wrigley. 1,543,467; June 23.
Bread kneaders or the like, Holder for. F. A. Streisel. 1,543,531; June 23.
Breakage link. F. R. Benson. 1,543,050; June 23.
Brick. J. Regan. 1,542,909; June 23.
Bridge, Bascule. J. B. Strauss. 1,542,972; June 23.
Bubble blower. M. R. Crossman. 1,543,279; June 23.
Buckle frame, Making. A. Hadley. 1,543,644; June 23.
Building block. G. W. Dunn. Des. 67,647; June 23.
Building block. W. F. Hoffman and H. Fabrenholtz. 1,542,882; June 23.
Building block. G. E. Wickson. 1,543,635; June 23.
Building construction. T. E. Hoenemann. 1,543,331; June 23.
Burner: *See*—
Gas burner. Oil burner.
Burner. R. H. Staples. 1,542,917; June 23.
Burner for solid fuels. A. Busch. 1,542,852; June 23.
Burners, Preheating and distributing device for rotary oil. J. Schemminger, jr. 1,543,224; June 23.
Burning pulverized fuel and burner for pulverized fuel. T. A. Peebles and B. Bannister. 1,542,834; June 23.
Bushing structure. M. Schwartz. 1,543,451; June 23.
Button clamp. W. Belsky. 1,543,592; June 23.

Buttonhole machines, Thread-trimming mechanism for. H. C. Miller. 1,543,022; June 23.
Cabinet. M. A. Garris. 1,543,563; June 23.
Cabinet, Wall. E. P. King. Des. 67,661; June 23.
Cable connecter. A. T. Kvarnstrom. 1,543,213; June 23
Cake decorators, Paper liner for. J. B. Mattson 1,543,174; June 23.
Calculating machine. F. Trinks. 1,543,196; June 23
Calk. A. C. Redden. 1,542,999; June 23.
Cameras, Exposure device for photographic. S. M. Fairchild. 1,543,208; June 23.
Camp table, Folding. C. A. Didrichsen. 1,543,372 June 23.
Can-body-forming machine. N. Troyer. 1,543,460 June 23.
Cane-juice-settling tank. C. W. Ruckstuhl. 1,543,621; June 23.
Cane or the like and signal, Combination. P. F. Langner 1,542,894; June 23.
Cap with eyeshade. H. Blecker and S. K. Krapp 1,543,094; June 23.
Car attachment, Cane. O. T. Gregg. 1,542,870; June 23
Car construction. J. O. Neikirk. 1,543,477; June 23
Car coupler. P. B. Camp. 1,543,469; June 23.
Car coupling. J. C. Cox and J. C. Aldridge. 1,543,558 June 23.
Car, Dump. C. V. Shanaberger. 1,542,914; June 23.
Car-dumping apparatus. A. T. Perkins. 1,542,951; June 23.
Car, Railway. E. Posson. 1,542,887; June 23.
Car, Railway hand. B. S. Snowden. 1,543,624; June 23.
Car-roof construction. I. Everett. 1,543,327; June 23.
Car, Sleeping. A. R. Rossman. 1,543,298; June 23.
Car truck, Railway. H. C. Stiebel. 1,543,403; June 23.
Car-wall structure. C. D. Bonsall. 1,543,416; June 23.
Cars, End structure for railway. V. E. Sisson. 1,543,032; June 23.
Cars, Fastener for the floor racks of railway. G. A. Hull. 1,543,161; June 23.
Carbon monoxide, Estimation of. W. Yant and R. R. Sayers. 1,542,979; June 23.
Card-forming machine. P. Hardman. 1,543,434; June 23.
Card holder, Adjustable. W. H. Parker. 1,543,295; June 23.
Carroting machine. J. A. Morin. 1,543,182; June 23.
Carten diller. W. H. Craven. 1,543,249; June 23.
Case: *See*—
Packing case. Umbrella case.
Casting machines, Justification means for line-. F. E. Barber. 1,543,590; June 23.
Casting printing slugs. J. Lewis. 1,543,580; June 23.
Cellulose prior to esterification, Preliminary treatment of. J. Altwegg. 1,543,310. June 23.
Centrifugal machine. B. C. Lechler. 1,543,289; June 23.
Chair: *See*—
Folding chair.
Chair. J. L. A. Pascaud. 1,543,612; June 23.
Chair back, Adjustable. W. Carr. 1,543,367; June 23.
Chairs, Attachment for rocking. G. E. Stansbury. 1,543,626; June 23.
Chandelier. M. Klein. Des. 67,662–3; June 23.
Chandelier. A. E. Krause. Des. 67,665; June 23.
Checks, Security means for. R. Candriani. 1,543,366; June 23.
Chuck. H. Nilsen. 1,542,826; June 23.
Cigar lighter. P. L. Metzger and T. D. Sheely. 1,543,290; June 23.
Cigarette holder. B. Allen. 1,543,043; June 23.
Cigarettes, Article for making. C. H. Campbell. 1,543,066; June 23.
Cinematographic films, Regenerating worn. F. J. J. Stock. 1,543,301; June 23.
Circuit closer, Thermostatic. A. M. de S. Greaves. 1,543,557; June 23.
Circuit controller, Thermally-operated. G. H. Whittingham. 1,543,408; June 23.
Clamp: *See*—
Button clamp. Mattress clamp.
Expansible clamp.
Clamp. D. D. Powell. 1,543,286; June 23.
Clamps, Pressure-foot attachment for. R. W. Burns. 1,543,419; June 23.
Cleaner: *See*—
Flue cleaner. Tire-liner cleaner.
Pipe cleaner. Vacuum cleaner.
Cleaning apparatus. E. Geiger. 1,543,002; June 23.
Clip: *See*—
Battery clip. Paper clip.
Clothesrack. H. L. Parker, jr. 1,542,830; June 23.
Clutch. H. C. Bjering. 1,543,300; June 23.
Clutch-pedal control. E. L. Nordness. 1,542,904; June 23.
Coal, ashes, and the like, System for handling. W. E. Hale. 1,543,435; June 23.
Coal-cutting machines, Cutter head for. T. B. Pray. 1,543,516; June 23.
Coal-handling plant. R. W. Stem. 1,543,627; June 23.
Coaling device. G. Holmes. 1,543,435; June 23.
Cocks, Stream regulator for. P. Mueller. 1,543,291; June 23.
Cocoa powder plant. P. G. Hollstein. 1,542,884; June 23.
Coffee urn. J. A. Newberry. 1,543,340; June 23.
Collar, Reenforced. C. A. Fish and H. W. Finch. 1,543,604; June 23.
Colostomy appliance. C. A. Hoag. 1,543,104; June 23.
Comb: *See*—
Waving comb.
Comb. A. C. Page. 1,543,588; June 23.
Compressor. S. A. Johnson and H. F. Holmquest. 1,543,163; June 23.
Concentrating pan. O. Jacobsen. 1,542,941; June 23.
Concrete-building structure. W. E. Nelson. 1,543,509; June 23.
Concrete form. A. E. Baumann. 1,543,090; June 23.
Condenser. M. Eastham. 1,542,995; June 23.
Condenser and clamp therefor. W. Dubilier. 1,543,326; June 23.
Container. S. L. Buschman. 1,543,053; June 23.
Controller handle. F. P. Yeomans. 1,543,145; June 23.
Cooking device, Electric. R. Biletino. 1,543,362; June 23.
Cooking utensil. L. F. Doen. 1,543,378; June 23.
Cooling or heating tube. P. D. Schenck. 1,542,842; June 23.
Copper sheets, Improving the physical properties of electrolytically deposited. S. Sonoda. 1,543,237; June 23.
Core, Magnetic. E. G. Gaynor. 1,543,001; June 23.
Corrugated wall, Securing a wooden lining to a. S. J. Strid. 1,543,035; June 23.
Cotton-picking device. E. B. Carroll. 1,543,547; June 23.
Couch, Bed. J. P. N. Heale. 1,543,108; June 23.
Couch roll. E. S. Anderson. 1,543,540; June 23.
Coupler. C. H. Tomlinson. 1,543,304; June 23.
Coupler, Hose. M. H. Arnold. 1,543,356; June 23.
Cow-tail holder. C. D. Baldwin. 1,543,542; June 23.
Crank for lifting jacks. A. C. Hopkins. 1,543,332; June 23.
Crossbars, Clip for joining. J. Erb and A. Montan. 1,543,207; June 23.
Crushing, pulverizing, and separating machine, Combined. R. Dennis and F. Hippert. 1,543,556; June 23.
Cuff button, Separable. B. F. Baker. 1,543,148; June 23.
Cultivator. W. K. Russell. 1,542,963; June 23.
Cultivator bracket and cutter. L. W. Pickard. 1,543,515; June 23.
Cultivators, Long-sweep attachment for. J. B. Long. 1,543,115; June 23.
Cup: *See*—
Grease cup.
Curtain rods, Clip bracket for. S. M. Kass. 1,543,109; June 23.
Cutter: *See*—
Thread cutter.
Cutting machine, Automatic. L. K. Brarea. 1,543,203; June 23.
Cylinder press. J. C. E. Bourassa. 1,543,493; June 23.
Damper, Air-cooled. W. M. Connery. 1,542,989; June 23.
Dehydrator. C. W. Fiege. 1,543,073; June 23.
Dental apparatus. E. M. Boatner. 1,543,545; June 23.
Desk and chair, Combined. O. G. Henderson. 1,543,500; June 23.
Desks, Wedge-block lock for school. E. W. Beck. 1,543,591; June 23.
Die. A. Laukhuff. 1,543,288; June 23.
Digestion apparatus. W. H. Scott. 1,542,843; June 23.
Dish-washing machine. G. Albanese. 1,543,308; June 23.
Disinfecting solutions which are capable of being regenerated, Production of. A. Wolff. 1,542,928; June 23.
Dispatch systems, Power controller for pneumatic. J. G. Maclaren. 1,543,215; June 23.
Dispensing container. F. F. Canton. 1,543,097; June 23.
Display and sales cabinet, Clothing. M. Bernheim. 1,542,817; June 23.
Display card. M. L. Emrich. Des. 67,648; June 23.
Display case. M. J. Schiess. Des. 67,676; June 23.
Display fixtures, Pedestal for merchandise. E. T. Palmesberg. Des. 67,673; June 23.
Display rack. N. I. Fleischer. 1,543,102; June 23.
Display rack. L. V. Hiatt. 1,543,501; June 23.
Distributing apparatus. H. Pfannenstiehl. 1,543,119; June 23.
Ditch-forming machine. L. O. Sjostrom and M. D. Spencer. 1,543,397; June 23.
Dockage tester and operating same. J. A. Perkins. 1,543,028; June 23.
Doll, Animal. H. E. Schoenhut. Des. 76,677; June 23.
Domestic press. L. H. Taylor. 1,543,036; June 23.
Door buffer. J. T. Atwood. 1,542,813; June 23.
Dough, Apparatus for molding. E. T. Parsons and E. J. Sternberg. 1,542,881; June 23.
Dough-cutting machine. J. B. Ward. 1,543,136; June 23.
Dough, Machine for the mixing and kneading of bread. J. E. Pointon. 1,542,908; June 23.
Dough-molding machine. E. T. Parsons and E. J. Sternberg. 1,542,882; June 23.
Drawing boards, Adjustable supporting mechanism for. A. Hoffman. 1,542,881; June 23.
Drawn article and making same. C. Bergmann, jr. 1,542,963; June 23.
Dress. M. Groen. Des. 67,656; June 23.
Dressers Mirror mounting for. M. Hatcher. 1,543,490; June 23
Drier, Centrifugal. E. Woolrich and G. R. Holliger, 1,542,929; June 23.
Dry-cell battery, Multiple-connection. C. S. Rider. 1,542,911; June 23.
Dust collector. F. E. Finch. 1,542,866; June 23.
Dust mop. H. H. Erickson. 1,542,996; June 23.

Dye of the pyrone series, Wool. G. Köhres. 1,543,166; June 23.
Dyestuff compound and making same, Albumen. O. Bally. 1,543,543; June 23.
Dynamo-electric machine. H. M. Hobart. 1,543,502; June 23.
Eccentric connection. J. E. Chalman. 1,542,855; June 23.
Educational appliance. C. H. Dunlop. 1,543,067; June 23.
Egg container. M. Koppelman. 1,543,443; June 23.
Electric distribution system. P. H. Chase. 1,543,370; June 23.
Electric heater. M. H. Shoenberg. 1,542,967; June 23.
Electric jack. H. W. Moore. 1,543,181; June 23.
Electric lamps, Focusing device for. E. G. K. Anderson. 1,543,271; June 23.
Electric machine, Dynamo-. J. Wilkinson. 1,543,537; June 23.
Electric starter buttons, Extension for. C. L. Ford. 1,543,284; June 23.
Electric steam boiler. A. N. Otis. 1,543,514; June 23.
Electric switch, Automatic. E. B. Foote. 1,542,931; June 23.
Electrical apparatus, Incased. E. D. Treanor. 1,543,533; June 23.
Electrode. W. O. Snelling. 1,543,033; June 23.
Electrolytic apparatus having filmed electrodes. R. D. Mershon. 1,543,225; June 23.
Electromagnetic appliance for railways. R. S. Merriett. 1,542,902; June 23.
Emulsions of wool fat, Dissolving substances with the aid of. O. Hersog. 1,543,384; June 23.
Engine. C. Reineke. 1,543,485; June 23.
Engine lubricating system, Motor-vehicle-. C. Rockwell. 1,542,912; June 23.
Engine-lubrication system. A. Lleo and C. Baradat. 1,543,113; June 23.
Engines and parts thereof, Cleaning and warming system for the spark plugs of multi-cylinder internal-combustion. H. C. Shamblin. 1,543,646; June 23.
Engines, Humidifier for internal-combustion. O. Z. Frazier. 1,542,999; June 23.
Engines, Muffler for internal-combustion. F. A. Whitten. 1,543,042; June 23.
Engines, Piston and connecting rod for. C. R. Hammond. 1,543,498; June 23.
Engines, Radiator for internal-combustion. F. Porsche. 1,543,342; June 23.
Engines, Restorer of normal ignition for dual-ignition apparatus of internal-combustion. J. Courtier. 1,543,277; June 23.
Engines, Roll for beating. A. J. Allison. 1,542,812; June 23.
Engines, Starter for internal-combustion. A. Nutt. 1,543,479; June 23.
Engines, Valve tappet and the like for internal-combustion. R. I. Klipstein. 1,543,111; June 23.
Engines, Vaporizing fuel in internal-combustion. G. L. Erts. 1,543,071; June 23.
Envelope. F. A. Ryder. 1,542,964; June 23.
Excavating machine. R. R. Downie. 1,543,250; June 23.
Excavating machine and actuating same, Power. A. C. Vicary. 1,542,974; June 23.
Excavating machine and actuating the same, Power. E. J. Armstrong. 1,542,981–2; June 23.
Expansible clamp. C. D. Ulrich. 1,543,197; June 23.
Explosive mixture, Method of and apparatus for forming an. K. R. Manville. 1,542,823; June 23.
Extension table. E. P. Kokesch and W. F. Saumer. 1,543,442; June 23.
Eyelet-inserting tool. J. H. Bradnack. 1,542,985; June 23.
Fabric for decorative purposes, Lustrous. S. B. Wertheimer. 1,543,634; June 23.
Fare-box apparatus. S. J. Bell. 1,543,350; June 23.
Fastener device. L. E. Fulford. 1,543,076; June 23.
Faucet. A. A. Kramer. 1,543,013; June 23.
Faucet, Laundry-tray. J. T. Knott. 1,543,393; June 23.
Faucets, Hose connection for. W. G. Donald. 1,543,558; June 23.
Fencepost. R. V. Funk. 1,543,390; June 23.
Fencepost. R. C. Knopke. 1,543,391–2; June 23.
Fetal and like objects in animals, Device for cutting up. J. P. N. Thygesen, and A. T. and N. P. Sørensen. 1,543,195; June 23.
Filing cabinet, Book-. M. Murdock. 1,543,202; June 23.
Filling and emptying device. M. Kasser. 1,543,574; June 23.
Fish creel, Collapsible sanitary. A. R. Lundstedt. 1,543,446; June 23.
Fishhook. A. Jacobson. 1,542,942; June 23.
Fishhook holder. M. Raber and J. H. Cummings. 1,543,120; June 23.
Fishing device. E. J. Carpenter. 1,543,247; June 23.
Fishing device. H. P. Hansen. 1,543,081; June 23.
Fishing tool. D. S. Tandy. 1,543,407; June 23.
Flag or flower stand. C. Streib. 1,543,656; June 23.
Flag stand. W. H. Mohr. Des. 67,672; June 23.
Flange joint. E. J. Hughes. 1,542,940; June 23.
Flanged roll cap. C. C. Harris. 1,543,381; June 23.
Flash-light apparatus. E. H. Medén and C. Lindahl. 1,543,177; June 23.
Flour bin. A. Wright. 1,543,241; June 23.
Flue cleaner. R. Le Feuvre. 1,543,018; June 23.
Flue cleaner. E. E. Sauremann and G. W. Cuyler. 1,543,191; June 23.
Fluid-dispenser-supply control. J. J. Catron. 1,543,204; June 23.
Flytrap. T. A. Morrow. 1,543,228; June 23.
Fog, Dissipating. P. Borra. 1,543,363; June 23.
Folding chair. C. A. Buffington. 1,543,598; June 23.
Folding chair. W. C. Rastetter. Des. 67,674; June 23.
Folding chair. W. C. Rastetter. 1,543,396; June 23.
Folding machine. F. T. Zacher. 1,543,354; June 23.
Food article. G. W. Lyons. 1,543,650; June 23.
Fountain: *See*—
Soda fountain. Stock fountain.
Frame: *See*—
Saw frame.
Frequency standard. N. H. Ricker. 1,543,124; June 23.
Friction shock-absorbing mechanism. J. F. O'Connor. 1,542,828; June 23.
Frog, Rerailing. C. R. Law. 1,542,895; June 23.
Fruit container. H. J. Thompson. 1,543,038; June 23.
Fuel, Fluent pulverized. A. G. Kinyon. 1,542,945; June 23.
Fuel switch, Automatic. L. F. Burger. 1,543,638; June 23.
Fuel-tank filler-cap lock, Vehicle. H. M. Grant. 1,543,256; June 23.
Furnace: *See*—
Heating furnace. Hot-air furnace.
Furnace casing, Sectional. G. Harms and R. C. Walker. 1,543,379; June 23.
Furnace stoker, Mobile. S. P. Harman. 1,542,877; June 23.
Fuse. E. L. Ogle. 1,542,950; June 23.
Fuse. C. H. Pearson and F. W. Bold. 1,543,232; June 23.
Fuse casing, Electric. H. P. Chandler. 1,542,822; June 23.
Fuse for projectiles, Slow combustion. O. Oesterlen and K. Wieser. 1,543,513; June 23.
Game. W. A. Carter. 1,543,319; June 23.
Game. K. Hampel. 1,542,874; June 23.
Game apparatus. D. Foreman. 1,543,074; June 23.
Game apparatus. F. Pfeiffer, sr. 1,543,616; June 23.
Game, Ball. M. Cardoza. 1,543,318; June 23.
Game, Slogan card. A. R. Bloom. 1,542,819; June 23.
Garbage, Disposing of. C. R. Fox and W. S. Davis. 1,543,154; June 23.
Garment hanger, Combination. C. A. Cheesman. 1,543,248; June 23.
Garment press. W. E. Andreé. 1,543,413; June 23.
Garter. D. B. Jacobs. 1,543,571; June 23.
Gas burner. C. Munzner. 1,543,507; June 23.
Gas cut-off, Automatic thermostatic. F. Colonna. 1,543,057; June 23.
Gases, Porous mass for storing explosive. C. Hagberg. 1,542,873; June 23.
Gate. C. J. Winebrake. 1,543,199; June 23.
Gauge: *See*—
Taper gauge. Tire-pressure gauge.
Gauge blocks, Lapping. F. C. Weaver. 1,543,041; June 23.
Gear-cutting machine. C. R. Short. 1,543,031; June 23.
Gear for motors, Variable-speed driving. N. B. Goodrich. 1,543,328; June 23.
Geyser. A. H. Gausden. 1,543,564; June 23.
Glass illuminating bowl. E. A. Gillinder. Des. 67,651; June 23.
Glue pot. C. F. Baehr. 1,543,086; June 23.
Goblet. T. C. Heisey. Des. 67,657–8; June 23.
Golf club. H. Williamson. 1,543,636; June 23.
Golf-practice apparatus. J. A. Steinmetz. 1,543,401; June 23.
Governor for Fordson tractors. F. M. Reeves. 1,542,839; June 23.
Grader blades, Attachment for road-. J. H. McVeety. 1,543,222; June 23.
Grader blades, Shoe for. J. H. McVeety. 1,543,223; June 23.
Grader, Road. R. C. Redpath. 1,543,645; June 23.
Grate, Fuel-burning. C. H. Reid. 1,542,910; June 23.
Grease cup. A. Kowalsky. 1,543,607; June 23.
Grinding machine. B. M. W. Hanson. 1,542,876; June 23.
Gummed tape, Marked. C. H. Crowell. 1,543,060; June 23.
Gun, Grease. C. H. Middleton and H. A. Selser. 1,543,505; June 23.
Gun mounting for submarines. L. Y. Spear. 1,542,969–70; June 23.
Gun, Quick-firing. N. E. Methlin. 1,543,262; June 23.
Hair-drying apparatus. F. Coune. 1,543,428; June 23.
Hammer. C. O. Swangren. 1,543,457; June 23.
Hammer mechanism used in driving sheathing. R. J. Reigeluth and W. Powell. 1,542,961; June 23.
Handle: *See*—
Battery-box handle. Controller handle.
Hand reel. G. E. Wilson. 1,543,489; June 23.
Hanger: *See*—
Garment hanger.
Harrow control, Disk-. W. R. Peterson. 1,543,615; June 23.
Harrow, Tandem disk. C. S. Sharp. 1,543,622; June 23.
Harrow, Tractor. S. W. Cady. 1,543,639; June 23.

Harvesters, Elevating mechanism for root. O. H. Moore. 1,543,180; June 23.
Hatrack. H. Ziegler. Des. 67,660; June 23.
Headgear for exercisers. H. W. Titus. 1,543,346; June 23.
Headlight, Adjustable. M. M. O'Lear. 1,543,220; June 23.
Headlight and the like. F. G. Piper. 1,543,617; June 23.
Headlight, Automatic dirigible automobile. J. L. Drake. 1,543,428; June 23.
Headlight, Dirigible. C. W. Carlson and W. P. Davis. 1,543,150; June 23.
Headlight lamp. J. E. Yingling. 1,542,980; June 23.
Headlight, Locomotive. D. McKay. 1,543,503; June 23.
Headlight mechanism. F. H. Hopkins and W. W. Moody. 1,543,159; June 23.
Headlight reflector. W. P. Carstarphen. 1,542,988; June 23.
Heat control. L. R. Oakes. 1,543,184; June 23.
Heat exchanger. K. K. Wright. 1,542,978; June 23.
Heater: *See*—
Automobile heater. Instantaneous heater.
Auxiliary heater. Shoe heater.
Electric heater. Water heater.
Heater. W. E. McCarty. 1,543,176; June 23.
Heating. F. Puening. 1,542,953; June 23.
Heating apparatus. F. Puening. 1,542,954; June 23.
Heating apparatus. F. Puening. 1,542,957; June 23.
Heating apparatus. J. A. Thomas. 1,543,630; June 23.
Heating furnace. J. M. Laube. 1,543,112; June 23.
Heating method and apparatus. F. Puening. 1,542,955–6; June 23.
Heel plate. W. A. Morris. 1,543,024; June 23.
High-pressure systems, Regulator for. K. J. Budlong. 1,543,418; June 23.
High-pressure systems, Regulator for. J. M. Larson and V. G. Leach. 1,543,445; June 23.
Highways, Danger-indicating device for. E. M. Wrightson. 1,543,539; June 23.
Hinge member, Spring. E. Bommer. 1,543,415; June 23.
Hog-scalding apparatus. F. J. Smith. 1,543,129; June 23.
Hoisting-engine controller. C. R. Welch. 1,543,138; June 23.
Hollow articles, Apparatus for trimming and shaping. G. W. Berry. 1,543,202; June 23.
Hollow rolls, End support for. C. C. Harris. 1,543,382; June 23.
Hook: *See*—
Mud hook.
Hooks, Snap catch for. P. E. Burns. 1,543,246; June 23.
Horn, Amplifying. S. H. Serlin. Des. 67,678; June 23.
Hose. H. S. Wolff. 1,543,353; June 23.
Hot-air furnace. R. P. Costello. 1,543,050; June 23.
Housing for universal joints. F. F. Kishline. 1,543,575; June 23.
Hydrogen and oxygen by electrolysis, Recovery of. E. Baur. 1,543,857; June 23.
Hydromagnesite treatment. W. S. Rawson. 1,543,620; June 23.
Ice-cream oven. L. Gordon. 1,543,255; June 23.
Identification means, Mother and child. J. V. Abronski. 1,543,270; June 23.
Ignition distributor. H. Ford and G. H. Taylor. 1,543,377; June 23.
Ignition magneto. E. O. Turner and E. B. Tuppen. 1,543,347; June 23.
Ignition system, Dual. - W. M. Ristau, jr. 1,543,521; June 23.
Inclinometer. F. H. Alexander and J. W. Gillie. 1,542,809; June 23.
Incubator. S. B. Smith. 1,543,130; June 23.
Incubators, Automatic control for hot-water. P. Baur and R. E. Lauck. 1,543,358; June 23.
Index box, Card-. R. J. Bentley. 1,542,816; June 23.
Indicator: *See*—
Station indicator.
Inking roll for printing presses. W. M. Reichart. 1,543,029; June 23.
Instantaneous heater. A. K. Klimis. 1,543,012; June 23.
Insulated electrical conductor. E. E. F. Creighton. 1,542,863; June 23.
Insulator. A. O. Austin. 1,543,318; June 23.
Insulator, Electrical. G. F. Neal. 1,543,506; June 23.
Insulator units, Instrument for locating and observing defective. C. E. Bennett. 1,542,815; June 23.
Internal-combustion engine. K. Eltze. 1,543,429; June 23.
Iron oxide, Manufacture of. R. O. Snellenberger. 1,542,968; June 23.
Ironing machine, Collar-. C. E. Waream and A. J. Dreher. 1,543,350; June 23.
Jack: *See*—
Electric jack.
Joint: *See*—
Flange joint. Pipe joint.
Journal box, J. R. Fleming. 1,542,998; June 23.
Key lock, Changeable-combination. E. W. Marvel. 1,543,447; June 23.
Key purse. J. B. Bushnell. 1,543,054; June 23.
Kiln, Drying. J. M. Seymour. 1,542,845; June 23.
Kiln, Reversible-circulation internal-fan. R. Thelen. 1,543,344; June 23.
Kiln, Reversible-circulation internal-fan. R. Thelen. 1,543,459; June 23.
Knitting-machine attachment. L. Klein. 1,543,011; June 23.
Ladders, Safety bracket for. E. E. Couche and F. E. Cook. 1,543,551; June 23.
Lamp. W. H. Wood. 1,543,141; June 23.
Lamp-burner attachment. G. B. Bellah. 1,543,048; June 23.
Lamp, Combination tail. C. E. Godley. 1,543,079; June 23.
Lamp door. C. E. Godley. Des. 67,654; June 23.
Lamp, Folding. T. J. Nelson. 1,543,295; June 23.
Lamp for vehicles, Signal. L. M. Larose. 1,543,168; June 23.
Lasts, Device for unlocking. J. W. May. 1,542,901; June 23.
Latch. J. A. Skogerson. 1,542,916; June 23.
Latch, Door. W. C. Devereaux. 1,543,064; June 23.
Latch for refrigerator doors and the like. J. H. Glockler. 1,543,078; June 23.
Lathe center. H. Nielsen. 1,542,827; June 23.
Leaf turner. F. R. Chester. 1,543,599; June 23.
Leather-roughening machine. W. F. Horsting. 1,542,885; June 23.
Lens. F. Schmitz. 1,543,126; June 23.
Level. O. L. Fitch. 1,543,376; June 23.
Lever. W. J. Coultas. 1,543,422; June 23.
Lifting jacks, Positive stop for. C. W. Ripsch and J. C. Dawley. 1,543,486; June 23.
Lifts, Hydraulic braking device for shaft-operated. P. H. Stevens. 1,543,402; June 23.
Light fixture, Adjustable. J. F. Teeter. 1,543,087; June 23.
Light-globe canopy. J. W. Goaling. Des. 67,655; June 23.
Light-source covering. C. W. Cowles. 1,543,424; June 23.
Lighting fixture. W. Harrison. 1,543,606; June 23.
Lighting fixture. A. R. Krause. Des. 67,664; June 23.
Lighting-fixture arm. A. R. Krause. Des. 67,667; June 23.
Lighting-fixture canopy. R. L. Gerth. Des. 67,650; June 23.
Lighting-fixture part. A. R. Krause. Des. 67,666; June 23.
Lighting-fixture plate. H. Abrams. Des. 67,640; June 23.
Liquid control, Automatic. E. E. Joslin. 1,543,164; June 23.
Liquid-dispensing apparatus. A. Bowser. 1,543,274; June 23.
Liquid-dispensing apparatus. G. W. MacKenzie. 1,542,947–8; June 23.
Liquid material, Process and apparatus for treating. E. Hopkinson. 1,542,939; June 23.
Liquid register. A. L. Witherell. 1,543,465; June 23.
Liquids in evaporating vessels, Apparatus for continuously indicating and controlling the degree of concentration of. G. F. Weaton. 1,543,137; June 23.
Lead leveler. S. R. Smart. 1,543,623; June 23.
Loading device, Portable. J. F. Mason. 1,543,219; June 23.
Loading skips, Safety stop and lock for. N. K. Davis. 1,543,322; June 23.
Lock: *See*—
Key lock. Nut lock.
Logging-carriage lock. Window lock.
Lock. M. S. Finkelstein. 1,542,997; June 23.
Lock housings, Securing means for. F. B. Best. 1,543,314; June 23.
Lock washer. E. B. De Lee. 1,543,282; June 23.
Locking means for telescoping elements. J. Schade. 1,542,841; June 23.
Locking mechanism. Jail-door-. J. T. Whitehouse. 1,543,140; June 23.
Logging-carriage lock, Sky-line. G. J. Fayette. 1,543,473; June 23.
Loom, Leno. J. S. Bachman, S. A. Moak, and S. C. Lewis. 1,543,645; June 23.
Looms, Rocker-shaft bearing for. H. A. Davis. 1,543,555; June 23.
Lubricating system. E. H. Haney. 1,542,875; June 23.
Lubrication of parts rotating at high speed. C. Fradet. 1,543,155; June 23.
Lubricator: *See*—
Transmission lubricator.
Lunch and premium check, Discount. S. Asaturian. 1,543,414; June 23.
Machine tool. C. E. H. Lloyd. 1,543,114; June 23.
Magazine spanner. W. J. McCarthy. 1,543,175; June 23.
Magneto attachment. A. S. Parks. 1,543,480; June 23.
Mail-box flag. H. E. Fenner. 1,543,072; June 23.
Mailing wrapper. H. L. Greve. 1,543,642; June 23.
Manhole cover. A. Maddocks. 1,542,900; June 23.
Map holder. J. T. Johnson. 1,543,474; June 23.
Marble shooter. H. Wurm. 1,543,144; June 23.
Marking device, Center and eccentric. J. A. Bickl. 1,543,093; June 23.
Marking pin. G. Boden. 1,542,820; June 23.
Mattress clamp. B. L. Jones. 1,543,441; June 23.
Measuring instrument, Electromagnetic. G. W. Sprenger. 1,543,529; June 23.
Meat-slicing machine. W. A. van Berkel. 1,543,305; June 23.
Medallion mounting. J. A. Dedouch. 1,543,371; June 23.

Medicine container and spoon. C. V. Fulton. 1,543,209; June 23.
Memorandum pad, Perpetual-. H. L. Fischer. 1,543,430 June 23.
Merry-go-round. H. B. Lombard. 1,543,020; June 23.
Metal article, Seamed. W. L. R. Emmet and S. T. Thorpe. 1,543,497; June 23.
Metals and alloys, Producing. S. D. Danieli and B. M. S. Kalling. 1,543,321; June 23.
Metallurgical apparatus. J. M. Samuel. 1,542,966 June 23.
Metallurgical process. W. E. Greenawalt. 1,542,934–5 June 23.
Meter: *See*—
Vacuum meter. Water meter.
Meter. F. Holden. 1,542,883; June 23.
Mill: *See*—
Rolling mill.
Mill appliance. T. Wilson. 1,543,307; June 23.
Mill appliance, Rolling-. J. H. Bode. 1,543,640; June 23
Milling machine. F. C. Allen. 1,543,242; June 23.
Milling-machine attachment. G. W. Olson. 1,543,611 June 23.
Mine door. F. A. Guth. 1,543,005; June 23.
Mixing device. W. O. Gepfert and C. Stromquist. 1,542,933; June 23.
Mold. C. B. Bohn and D. Frown. 1,543,657; June 22.
Mold. C. H. Knight. 1,543,389; June 23.
Mold cleaning, heating, and lampblacking device. A Anderson. 1,543,085; June 23.
Molding and baking hollow edible articles, Device for. F. G. Matson. 1,543,221; June 23.
Mop and wringer, Combined. J. H. Harrison. 1,543,258; June 23.
Motor-starting device. C. R. Johnson. 1,542,889 June 23.
Mowing-machine attachment. C. Denton. 1,543,472; June 23.
Mud hook. R. A. Wells. 1,542,976; June 23.
Muffler. V. Oldberg. 1,543,829; June 23.
Musical instruments, Mouthpiece for. J. B. Newman. 1,543,655; June 23.
Nailing machines, Nail-feeding mechanism for box-. J. Albrecht. 1,542,811; June 23.
Necktie support. W. P. Talbot. 1,543,303; June 23.
Net, Hand dip. T. A. Howard. 1,543,568; June 23.
Nipple. C. K. Denney. 1,543,427; June 23.
Nitrogenic and phosphatic combination, Manufacture of. J. Breslauer and G. Darier. 1,542,986; June 23.
Nonskid fabric shoe. J. C. Gindraux. 1,543,003; June 23.
Nut lock. H. J. Van Gelder and J. Ward. 1,543,633; June 23.
Oil burner. B. F. Mills. 1,543,586; June 23.
Oil burner. A. E. Sweet. 1,543,132; June 23.
Oil burners, Thermostatic control for. W. E. Shore. 1,543,127; June 23.
Oil circuit breaker. A. J. Bowie. 1,543,495; June 23.
Oil-distributing head. J. Scheminger, jr. 1,543,235; June 23.
Oil transformer, Forced. L. H. Burnham. 1,543,546; June 23.
Oiler, Hog. E. R. Clements. 1,543,601; June 23.
Ophthalmic mounting. W. H. Boutelle. 1,543,494; June 23.
Optical instrument. J. H. Hammond, jr. 1,542,937; June 23.
Outlet box. H. G. Knoderer. 1,543,576; June 23.
Oven, Baker's. J. A. Simpson. 1,543,128; June 23.
Oven pan. E. C. Fisher. 1,542,867; June 23.
Oxyacetylene pipe-cutter attachment. J. L. Irvin and L. A. Brauer. 1,542,887; June 23.
Package dyeing, Apparatus for. G. C. Guild. 1,543,643; June 23.
Packaging machine. A. C. Everett. 1,543,374; June 23.
Packets, boxes, and the like, Machine for labeling. A. Day. 1,543,153; June 23.
Packing case for garments. J. T. Batts. 1,543,046; June 23.
Packing case or the like of sheet metal, Collapsible. A. D. Thieme. 1,543,268; June 23.
Padlock. C. S. Schroeder. 1,543,397; June 23.
Pan: *See*—
Concentrating pan. Oven pan.
Pan conveyer. J. Moores. 1,542,903; June 23.
Paper, Apparatus for making crinkled. N. M. Goodlett. 1,543,452; June 23.
Paper clip. O. E. Hibbard. 1,543,385; June 23.
Paper-drying machines, Speed-controlling means for. W. H. Carrier. 1,543,368; June 23.
Paper, Machine for coating, coloring, or otherwise treating. E. Pohl. 1,542,835; June 23.
Paper machines, Table roll for. E. N. Daulton 1,543,281; June 23.
Paper-making machine. J. D. Tompkins. Re16,100; June 23.
Paper or a similar article, Wall. J. McKane. Des. 67,670–1; June 23.
Paper, Protecting commercial. I. Minkin and L. Magidson. 1,543,227; June 23.
Paper-towel-vending machine. E. E. Shelley. 1,543,299; June 23.
Paper weight. H. Brown. Des. 67,644; June 23.
Paper yarn and producing same. J. C. Sherman. 1,542,915; June 23.
Pastry crusts, Forming and baking. G. F. Harris. 1,543,380; June 23.
Pattern for making rolls. W. H. Nichols. 1,543,209; June 23.
Pharmaceutical compound. H. Habl. 1,543,287; June 23.
Phenolic condensation product, Producing a. C. R. Carter and A. E. Coxe. 1,543,369; June 23.
Phonograph and radio receiver cabinet, Combined. B. H. Dietz and A. E. Hansen. Des. 67,646; June 23.
Phonographs, Sound reproducing or recording mechanism for. J. C. Clasen. 1,543,056; June 23.
Photographic film while exposure is being made, Masking. L. F. Douglass. 1,543,085; June 23.
Photographic printer and enlarger, Combined. C. A. Lare. 1,543,015–16; June 23.
Photographic printing apparatus. D. G. Urquhart. 1,542,928; June 23.
Phototypographic character slug. R. J. Smothers. 1,543,527; June 23.
Phototypographic rotogravure character slug. R. J. Smothers. 1,543,528; June 23.
Picker stem. J. Bardwell and H. G. Prouty. 1,543,089; June 23.
Picking table for pea viners and cleaners and the like. A. C. Wittig. 1,543,411; June 23.
Picture apparatus, Moving-. E. Mechau. 1,543,224; June 23.
Picture-display apparatus, Automatic. H. Teeter. 1,543,240; June 23.
Picture machines, Framing device for motion-. J. W. Brantigam. 1,543,597; June 23.
Picture machines, Indicator for moving-. W. S. Adams. 1,542,808; June 23.
Pin: *See*—
Marking pin.
Pipe: *See*—
Smoking pipe.
Pipe. D. Swerdlow. 1,543,302; June 23.
Pipe cleaner, Oil-. H. O. Pence. 1,543,614; June 23.
Pipe-cleaning attachment, Smoking-. J. A. Bennett. 1,543,049; June 23.
Pipe joint, Flexible. F. Venton. 1,543,348; June 23.
Pipe molds, Core for centrifugal. T. P. Anthony. 1,542,810; June 23.
Piston construction. F. R. Sunderman. 1,543,652; June 23.
Piston, Expansible. O. and J. Wiggers. 1,543,409; June 23.
Planter-drive mechanism. S. K. Dennis. 1,543,603; June 23.
Planters, Variable drive for. S. K. Dennis. 1,543,602; June 23.
Plate or similar article. E. Sainson. Des. 67,675; June 23.
Poke, Bull. C. J. Spencer. 1,543,194; June 23.
Polisher, Shoe. H. M. Wambold. 1,542,925; June 23.
Porcelain-facing element, Crown-mounted. H. A. Cottler. 1,543,421; June 23.
Post puller. L. Renari. 1,543,128; June 23.
Pot: *See*—
Glue pot.
Poultry feeder. J. H. Klaassen. 1,542,891; June 23.
Powder by sustentation, Process and apparatus for separating palpable. E. A. Lévy and J. Safont. 1,543,109; June 23.
Powder puff. T. W. Schramm. 1,543,460; June 23.
Power device. Man-. E. C. Welborn. 1,543,464; June 23.
Power fluid and producing same. M. Benson and F. H. Wagner. 1,543,273; June 23.
Power-transmitting device. J. B. Starkey. 1,543,400; June 23.
Press: *See*—
Cylinder press. Garment press.
Domestic press. Printing press.
Press and oven conveyer, Synchronized. R. A. Miller. 1,543,585; June 23.
Presses, Sheet-positioning device for printing. C. M. Kirkland. 1,543,388; June 23.
Pressing machine. H. B. Cohen. 1,543,549; June 23.
Pressure systems, Auxiliary motor cut-off for. S. S. Bigler. 1,543,149; June 23.
Printing-form bed, Sectional. J. S. Duncan. 1,543,066; June 23.
Printing press. R. J. Smothers. 1,543,526; June 23.
Printing presses, Inking mechanism for. I. C. Squier. 1,543,084; June 23.
Propeller. J. J. Callahan. 1,542,858; June 23.
Propeller. P. Hickmann. 1,543,261; June 23.
Propelling system and method. C. M. Paxton. 1,543,026; June 23.
Puller: *See*—
Post puller.
Pump-feed oil can. G. Lidseen. 1,542,896; June 23.
Pumps, Automatic controlling means for electric. A. S. L. Peaslee. 1,543,482; June 23.
Pumping apparatus. I. C. Bell. 1,543,201; June 23.
Pumping apparatus, Deep-well. W. O. Todd. 1,543,488; June 23.
Punch. F. H. Johnson. 1,543,010; June 23.
Purses, hand bags, or the like, Latch for the frame jaws of. E. Kuhn. 1,543,577; June 23.
Puzzle. D. T. Clark. 1,543,600; June 23.
Rack: *See*—
Display rack.

Radial drills, Rotating table for. W. T. Sears. 1,543,230; June 23.
Radiator attachment. J. F. Greenstreet. 1,542,869; June 23.
Radiator cap. D. W. Blanc. Des. 67,641–2; June 23.
Radiator shutters, etc., Thermostatic valve device for. F. J. Irving. 1,543,333; June 23.
Radiocabinet. M. Mayer. Des. 67,668; June 23.
Radiocommunication, System of. H. A. Bremer. 1,543,417; June 23.
Rail bond. M. H. Loughridge. 1,542,896; June 23.
Rail-dressing machine. H. P. Stokes and J. W. Hansen. 1,543,404; June 23.
Rail tie and fastener. L. B. Jenkins. 1,543,162; June 23.
Railway-track implement. H. G. Warr. 1,543,463; June 23.
Railway-traffic-controlling apparatus. F. H. Nicholson. 1,543,118; June 23.
Railway-train control. W. J. Underwood. 1,543,461; June 23.
Railways, Automatic speed-control system for. F. L. Dodgson. 1,543,641; June 23.
Ratchet wrench. L. Neal and M. L. Clark. 1,543,338; June 23.
Razor, Safety. K. Kawalic. 1,543,387; June 23.
Razor, Safety. J. F. O'Malley. 1,543,587; June 23.
Razors and the like, Electric vibrator for. G. Adelmo. 1,542,846; June 23.
Reach rod. A. B. Breese. 1,543,365; June 23.
Reel: *See*—
Hand reel. Wire reel.
Reel. C. C. Harris. 1,543,383; June 23.
Refrigerating apparatus. G. B. Walker. 1,543,040; June 23.
Refrigerating device and container. J. B. Dungan. 1,542,993; June 23.
Refrigeration system. L. Penwell. 1,543,027; June 23.
Refrigerator. S. A. Walker. 1,543,349; June 23.
Refrigerator construction. L. C. Copeman. 1,542,862; June 23.
Register: *See*—
Liquid register.
Regulator: *See*—
Boiler-feed regulator. Spring-tension regulator.
Relays, Control of. H. E. Robinson. 1,543,125; June 23.
Resistance-adjusting device. E. E. Yaxley. 1,543,468; June 23.
Resonant converter. W. S. Lemmon. 1,543,475; June 23.
Rheostat, Carbon pile. H. B. Marshall. 1,543,083; June 23.
Rim and tire carrier, Spare. F. F. Miller. 1,543,237; June 23.
Ring. J. Engel. Des. 67,649; June 23.
Road rail or form. M. S. Hotchkiss. 1,542,886; June 23.
Rod: *See*—
Reach rod.
Roll-molding machine. E. T. Parsons and E. J. Sternberg. 1,542,833; June 23.
Roller separators, Wet magnetic separation on. G. Ullrich. 1,543,534; June 23.
Rolling mill. L. Iversen. 1,543,108; June 23.
Roofing-truss structure. W. J. Summerbell. 1,542,919; June 23.
Rope, Driving. J. Dawson. 1,543,063; June 23.
Rope structure. H. V. Whitlock. Re16,101; June 23.
Rubber articles, such as nipples, finger cots, bulbs, and the like, Making hollow. T. W. Miller. 1,543,506; June 23.
Rubber cutting-off machine. L. J. Pianarosa and W. Nicholas. 1,542,907; June 23.
Rule, Scoring and cutting. J. R. Hires. 1,542,879; June 23.
Saw, Combination. J. H. Bloodgood. 1,543,051; June 23.
Saw frame, Hack. W. J. Parsons. 1,542,185; June 23.
Saw, Hack. H. O. Noyes. 1,543,512; June 23.
Sawing machine. C. A. Kessler. 1,543,165; June 23.
Sawmill carriages, Setting and controlling mechanism for controlling movement of dogs on. F. E. Martin. 1,543,216; June 23.
Sawmill carriages, Tapering means for. F. E. Martin. 1,543,217; June 23.
Saxophones, Mouthpiece for. J. J. Neumann. 1,543,291; June 23.
Scale, Weighing. D. W. Stubbs. 1,542,918; June 23.
Scraper. G. Kortgardner, jr. 1,543,167; June 23.
Screen: *See*—
Windshield screen.
Screens or storm windows, Fastener for window. T. O. Iverson. 1,542,888; June 23.
Screw gearing. D. L. Lott. 1,543,173; June 23.
Seal, Closure. E. W. Zipf. 1,543,355; June 23.
Seesaw. R. C. Pryor. 1,543,619; June 23.
Serrated edge, Forming a. C. A. Koenig. 1,542,892; June 23.
Servitor, Portable. H. A. Beynon. 1,543,092; June 23.
Sewing machine. A. F. Fifield. 1,542,865; June 23.
Sewing machine, Inseam. A. R. Morrill. 1,543,265; June 23.
Sewing machines, Looper-thread controller for. J. E. Chalman. 1,542,856; June 23.
Sewing machines, Presser mechanism for. A. Grist 1,542,871; June 23.
Sewing machines, Work guard for. C. H. Cook. 1,543,276; June 23.
Shade bracket, Window-. B. Long. 1,543,170; June 23.
Shaft packing. R. W. Allerton. 1,543,809; June 23.
Sharpener, Pencil. M. D. Meserole. 1,543,226; June 23.
Sharpener, Pencil. G. Mesel. 1,543,504; June 23.
Sharpener, Razor-blade. J. Holtzman. 1,543,386; June 23.
Shears, Comb and fixed cutter for sheep. F. G. W. Bristow. 1,543,316; June 23.
Sheet material, Process and apparatus for ornamenting. J. O. Ball. 1,543,200; June 23.
Sheet material, Stay for hollow rolls of flexible pliant. A. W. Brown. 1,543,052; June 23.
Sheet rubber, Nonsticking liner for. A. E. Fuler, J. B. Dickson, and F. H. Amon. 1,543,288; June 23.
Sheet-separating machine. J. E. Woodbury. 1,543,490; June 23.
Sheets, Folding apparatus for metallic. T. Gannestad. 1,543,000; June 23.
Shelter. L. M. Todd. 1,543,134; June 23.
Shipping container, Nonpilfering. C. H. Crowell. 1,543,205; June 23.
Ships, Stabilizing float for. L. T. Couty. 1,543,152; June 23.
Shock absorber. W. M. Boenning. 1,543,361; June 23.
Shock absorber. G. L. Clook. 1,542,858; June 23.
Shock absorber for automobiles. N. Carter and M. Krivokucha. 1,543,098; June 23.
Shock absorber for motor cars and other motor road vehicles. F. G. G. Armstrong. 1,543,243; June 23.
Shoe. E. A. and G. Peterson. 1,543,187; June 23.
Shoe heater. W. H. Baynard. 1,542,814; June 23.
Shoe uppers, Closure for. J. H. Barnes. 1,542,845; June 23.
Shoes, Manufacturing stitch-down. W. H. Cowell. 1,543,099; June 23.
Sign or similar article, Advertising. F. J. Campbell. Des. 67,645; June 23.
Sign plate, Renewable. V. S. Johnson. 1,543,439; June 23.
Signal. A. E. Ashleman and T. E. Haney. 1,543,541; June 23.
Signaling system. R. S. Bailey. 1,542,847; June 23.
Signaling system. H. M. Bascom. 1,542,849; June 23.
Silage-ejecting device. D. R. Shiras. 1,543,525; June 23.
Silk-reeling machines, Filament supplier for. S. Senga, I. Kawata, and R. Naito. 1,543,398; June 23.
Siphon and supporting means for the same. J. J. Darragh. 1,543,280; June 23.
Skate, Roller. G. J. Ertl. 1,543,070; June 23.
Skylight construction. J. N. Grenier. 1,543,330; June 23.
Sled and velocipede, Combined. M.Tatosian. 1,543,239; June 23.
Slicing machine. P. Sivertsen. 1,543,843; June 23.
Slicing machine. W. A. van Berkel. 1,543,206; June 23.
Slicing machines, Holder for. O. Brownsey. 1,543,317; June 23.
Smokehouse. J. Brand. 1,543,596; June 23.
Smoke kit. A. W. Kaufman. Des. 67,660; June 23.
Smoking pipe. N. Paulsen and M. A. Coler. 1,543,395; June 23.
Smoking pipe. R. M. Prophet. 1,542,838; June 23.
Snubbing device. R. B. Lewis. 1,543,581; June 23.
Soap container for shaving soap and the like. J. G. Patton. 1,543,481; June 23.
Soap-dispensing device. F. Todt. 1,543,631; June 23.
Soda fountain. E. G. Marsh. 1,543,610; June 23.
Sound modulator. E. M. Pace. 1,542,906; June 23.
Spark plug. J. C. Newton. 1,542,825; June 23.
Spark plug. R. L. Stover. 1,543,628; June 23.
Spear-projecting trap. A. B. Rhude. 1,543,030; June 23.
Speed controlling and indicating device. B. M. Davis. 1,543,062; June 23.
Speed-controlling mechanism. B. W. Cooper. 1,543,420; June 23.
Spinning, twisting, and analogous machine. W. Prince-Smith and D. Waterhouse. 1,543,618; June 23.
Spotlamp mounting. E. C. E. Anderson. 1,543,272; June 23.
Spout, Percolator. F. E. Kronenbitter. 1,543,014; June 23.
Spraying machine. N. P. McArthur. 1,543,021; June 23.
Spreader. J. Bland. 1,543,315; June 23.
Spring bottom. C. D. Brouyette. 1,543,095; June 23.
Spring plant. G. S. Chiles. 1,543,055; June 23.
Spring shackles, Device for use in rebushing. P. Minard. 1,543,023; June 23.
Spring-tension regulator. W. Eberhardt. 1,543,560; June 23.
Sprinkling device, Fluid-. J. Meili. 1,543,178; June 23.
Square. R. A. German and A. C. Ernest. 1,543,565; June 23.
Stake-securing means. D. Timidaiski. 1,543,532; June 23.
Stand: *See*—
Flag or flower stand. Tee stand.
Stand boiler. M. Greenberg. 1,543,257; June 23.
Starch-free bran and making the same. J. Takamine, jr. 1,543,458; June 23.
Starting crank holder. P. E. Herr. 1,543,260; June 23.
Station indicator. H. E. Ehrenfeld. 1,543,561; June 23.
Steam engine, Combined-compound and direct-acting. P. Freiberg. 1,543,431; June 23.
Steering-gear connecting rod. J. A. Perkins. 1,543,186; June 23.

Steering reach rod. A. B. Breese. 1,543,364; June 23.
Steering stepper. R. Vensiaff. 1,543,535; June 23.
Steering wheel. F. T. Crichton. 1,543,101; June 23.
Steering wheel for motor vehicles, Tilting. D. Behrsing and C. A. Godshalk. 1,543,047; June 23.
Steering wheel, Tilting. B. Michaud. 1,543,949; June 23.
Stenographic machine. M. Grandjean. 1,543,286; June 23.
Stereocampimeter. M. Poser. 1,543,188; June 23.
Steriliser, Can-cover. G. G. Thompson. 1,543,345; June 23.
Stethoscope. J. Smithline. 1,543,453; June 23.
Sticker for door stock. W. C. Hobart and F. A. Nicholson. 1,543,158; June 23.
Still. M. F. De Bajligethy. 1,542,864; June 23.
Still. J. T. Berthelote. 1,543,091; June 23.
Stock fountain. F. F. Filer. 1,543,375; June 23.
Stopping device, Automatic. R. Hildebrand. 1,542,878; June 23.
Storage battery. J. M. Lea. 1,543,017; June 23.
Stove. J. R. Thomas. 1,542,921; June 23.
Stove, Cooking. T. Kurrell, H. Schneider, and J. U. Fischer. 1,543,212; June 23.
Stove or oven. F. G. Matson. 1,543,220; June 23.
Stoves, Sliding door for. F. G. Nicolaus. 1,543,510; June 23.
Suit, Outing. F. W. MacKay. 1,543,582; June 23.
Sulphonated products of wool fat, Obtaining. O. Herzog. 1,543,157; June 23.
Support. E. L. Plass. 1,542,962; June 23.
Swaging machine. W. E. Barlow. 1,543,648; June 23.
Switch: *See*—
Electric switch. Fuel switch.
Switch construction, Inclosed-. F. T. Wheeler. 1,543,352; June 23.
Syringe outlet, Dental hot-air-. W. J. Lauer. 1,543,579; June 23.
Tack-driving device. O. L. Lawson. 1,542,946; June 23.
Tag, Marking. E. A. Sagui. 1,543,190; June 23.
Tank-roof covering. J. A. Stough. 1,543,131; June 23.
Tap. B. M. W. Hanson. 1,543,007; June 23.
Taps, dies, and the like. P. Kreutzberger. 1,542,893; June 23.
Tape-feeding machine. C. G. Mortimer. 1,543,183; June 23.
Tape holder. A. Di Tomasso. 1,542,990; June 23.
Taper gauge. B. H. Blood. 1,543,244; June 23.
Tapering mechanism. F. E. Martin. 1,543,218; June 23.
Tee stand. C. C. Worthington. 1,543,466; June 23.
Telegraph circuits, Regenerative vibratory repeater for. A. F. Connery. 1,542,859; June 23.
Telegraph transmitter, Semiautomatic. L. C. McIntosh. 1,543,609; June 23.
Telegraphy, Cable. A. F. Connery. 1,542,860; June 23.
Telephone-exchange system. S. B. Williams and E. E. Hinrichsen. 1,542,977; June 23.
Telephone headsets, Headband for. F. Dietrich. 1,543,325; June 23.
Telephone receiver. G. K. Thompson. 1,542,922; June 23.
Telephone receivers, Method and apparatus for testing. V. Durbin. 1,542,994; June 23.
Telephone system, Automatic. A. J. Ray. 1,542,958; June 23.
Thermostat. A. S. Curtis and D. J. Beaver. 1,542,850; June 23.
Thread cutter. W. H. Fullington. 1,542,932; June 23.
Thread gauge and making the same. C. L. Goodrich. 1,543,254; June 23.
Thread guide. A. E. Whipple. 1,543,139; June 23.
Threshold. S. G. Stevens. 1,543,034; June 23.
Tier, Bundle. A. H. and J. B. Saxton and J. J. Bachmayer. 1,542,840; June 23.
Tile-fettling machine. A. W. Cristiani. 1,543,425; June 23.
Tire chain, Single unit. C. T. Hood. 1,543,436; June 23.
Tire-liner cleaner. E. B. Robinson. 1,543,297; June 23.
Tire-pressure gauge, Pneumatic. P. E. Welton. 1,542,926; June 23.
Tire-tread. R. M. Merriman. Des. 67,669; June 23.
Tires, Combined safety valve and signal for pneumatic. J. H. Gall and G. Swanson. 1,543,077; June 23.
Toaster, Automatic. C. S. Ellis. 1,543,089; June 23.
Tobacco, Variable temperature method of curing and treating. A. C. Buensod. 1,543,245; June 23.
Toilets, Automatic control for. H. G. Anderson. 1,543,311; June 23.
Tool. R. L. Mason. 1,543,583; June 23.
Tool box. H. B. Whitaker. 1,542,927; June 23.
Tool grinder, Contour. J. Harten. 1,543,259; June 23.
Tooth-paste-serving device. W. B. Ramsey. 1,543,518; June 23.
Torches, Oxygen-control lever for oxyacetylene cutting. C. J. Coberly. 1,543,471; June 23.
Tower. J. W. Conrad and M. P. Kerr. 1,542,861; June 23.
Toy. M. Wosnuck. 1,543,143; June 23.
Toy, Figure. Z. B. Webb. 1,543,351; June 23.
Toy pistol. R. E. Reardon. 1,542,959; June 23.
Traffic system, Street-. H. W. Graves. 1,543,080; June 23.
Transfer compound, Indelible. H. S. Sadtler. 1,542,965; June 23.
Transmission bands, Detachable ear for. E. R. Ross. 1,543,522–3; June 23.
Transmission for distant indicators, Balanced. O. A. Danielson. 1,543,061; June 23.
Transmission lubricator. J. R. Patton. 1,543,613; June 23.
Trap. A. Armstrong. 1,543,312; June 23.
Tray. B. Webb. Des. 67,679; June 23.
Trimming machine, Edge-. H. F. Gruman. 1,542,872; June 23.
Trolling spoon. G. H. Doering. 1,543,206; June 23.
Truck, Car. G. H. Gibson. 1,542,868; June 23.
Truck for supporting form rollers on printing presses. F. H. Zimmerer. 1,543,146; June 23.
Truss lift. A. G. Pits and O. F. Saur. 1,543,341; June 23.
Turbine, Elastic-fluid. F. Lösel. 1,543,171–2; June 23.
Turntables by means of tractors, System of operating. G. Fornaca. 1,543,075; June 23.
Turpentine, Manufacturing artificial. J. B. Ilias. 1,543,570; June 23.
Tube: *See*—
Cooling or heating tube.
Type-casting machines, Indicator for. A. M. Crabtree. 1,543,278; June 23.
Typewriters, Securing means for. W. H. Gerwig. 1,543,253; June 23.
Typewriting machine. C. E. Smith. 1,543,193; June 23.
Typewriting machine. J. Waldheim. 1,542,924; June 23.
Typewriting machine. J. Waldheim. 1,542,975; June 23.
Typographical machines, Casting mechanism for. S. E. Sperry. 1,543,625; June 23.
Umbrella case. J. C. Kitterman. 1,542,890; June 23.
Undergarment. F. Chatfield. 1,542,857; June 23.
Urinal stalls, Spreader for. E. G. Hedges. 1,543,009; June 23.
Vacuum cleaner. B. L. Callahan. 1,542,987; June 23.
Vacuum-controlled regulator. P. A. Morgan. 1,543,264; June 23.
Vacuum meter. O. Seits. 1,542,913; June 23.
Valve. G. T. Bollinger. 1,542,851; June 23.
Valve. L. S. Downs. 1,542,992; June 23.
Valve. J. L. Williams. 1,543,410; June 23.
Valve cover, Overhead. O. P. Cloyd. 1,543,548; June 23.
Valve, Dispensing. L. Kooperstein. 1,543,211; June 23.
Valve for locomotive train lines, Pump-control. W. Coulson. 1,543,552; June 23.
Valve-grinding tool. A. M. Alexandrescu. 1,543,589; June 23.
Valve-operating mechanism, Silent-. A. B. Hutt. 1,543,438; June 23.
Valve, Outlet. P. W. Bolton and W. N. Minnear. 1,543,595; June 23.
Valve template. E. F. Niedecken. 1,543,511; June 23.
Valve-trip mechanism. A. Miller and F. D. Mills. 1,543,179; June 23.
Vaporizing attachment. L. G. Stransky. 1,543,530; June 23.
Vehicle bodies, Tool for forcing fastener-concealing strips in place on drip moldings of. H. C. Maise. 1,543,335; June 23.
Vehicle body, Metallic. P. E. Breneman. 1,543,496; June 23.
Vehicle brake. H. E. Maynard. 1,543,448; June 23.
Vehicle driving mechanism, Motor-. H. A. Hanson and V. F. Zobodiakin. 1,543,008; June 23.
Vehicle, Power attachment for motor. T. H. Cummings. 1,543,426; June 23.
Vehicle spring bumper and shock absorber, Combination. R. H. Semones. 1,543,487; June 23.
Vehicle wheel. W. S. Josephson. 1,542,948; June 23.
Vehicles, Motor mounting and power-transmission mechanism for motor. J. A. Angiada. 1,543,044; June 23.
Vehicles, Radius rod for automotive. C. B. Hibbs. 1,543,567; June 23.
Vernier-adjustment device. C. D. De Vore. 1,543,640; June 23.
Wall bracket. W. B. Goddard. Des. 67,652–3; June 23.
Wall construction, Bathroom-. L. M. Loeb. 1,543,334; June 23.
Washer: *See*—
Lock washer.
Washing machine. O. T. Dehle. 1,543,323; June 23.
Washing machines, Operating gearing for. W. K. Howe. 1,543,105; June 23.
Washing machines, Safety-wringer control for. W. K. Howe. 1,543,106; June 23.
Waste waters to clarify and sterilize the same and to extract fats therefrom, Treating trade. A. J. de Raeve. 1,543,324; June 23.
Watchcase. R. J. Krabbe. 1,543,444; June 23.
Water heater. R. R. Rust. 1,543,449; June 23.
Water meter. M. I. Walters. 1,543,198; June 23.
Water wheel. E. J. Gooding. 1,543,004; June 23.
Waving comb, Water-. E. C. Joyce. 1,543,572. June 23.
Wax-applying and polishing device. G. H. Wood. 1,543,412; June 23.
Weed-destroying composition and producing same. H. E. Hughes. 1,543,107; June 23.
Welding machine. G. J. Blum. 1,542,984; June 23.
Well-drilling tools, Rotary. H. B. Hobbs. 1,542,880; June 23.

Well-pulling machinery. W. E. Wentworth. 1,543,269; June 23.
Well pump. J. A. Baker. 1,543,087; June 23.
Wells, Apparatus for controlling oil. R. Stirling. 1,543,456; June 23.
Wells, Device for controlling the flow of. J. M. Woll. 1,543,637; June 23.
Wheel: *See*—
Steering wheel. Water wheel.
Vehicle wheel.
Winding frames, Rotary thread guide for cross- W. Reiners and G. Kahlisch. 1,543,519; June 23.
Window lock. A. T. Gibson. 1,543,156; June 23.
Window lock. E. Lehmhaus. 1,543,010; June 23.
Windshield screen. S. W. Rawls. 1,543,189; June 23.
Window, Sliding and swinging. J. McAskill. 1,543,390; June 23.
Wire reel. W. J. Merriman. 1,542,824; June 23.
Wire reel, Double-deck combined take-up and pay-out. A. E. Ravenscroft. 1,543,121; June 23.
Wire reel, Single-disk pay-out and take-up. A. E. Ravenscroft. 1,543,122; June 23.
Wire stretcher and splicer. J. O. Prescott. 1,543,233; June 23.
Wire-twisting tool. F. C. Reutter. 1,543,520; June 23.
Wires, Clamp and tightener for tie. P. Beghetti. 1,543,491; June 23.
Wood-feathering machine. W. D. Craig. 1,543,100; June 23.
Woodworking machine, Portable. F. Dornbusch. 1,542,991; June 23.
Workbox. G. E. Bilton. 1,543,492; June 23.
Wrapping machine. F. M. Peters and W. H. Hungerford. 1,543,296; June 23.
Wrench: *See*—
Ratchet wrench.
Wrench. J. W. Kaough. 1,543,210; June 23.
Wringers, Safety device for clothes. L. S. Gunderman. 1,542,936; June 23.
Wrist-watch band. H. K. Smith. 1,543,399; June 23.
X-ray apparatus. W. D. Coolidge. 1,543,654; June 23.

CLASSIFICATION OF PATENTS

ISSUED JUNE 23, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 16: 1,542,811
46: 1,542,946
2— 10: 1,543,094
51: 1,543,584
61: 1,543,353
78: 1,543,857
120: 1,543,604
220: 1,543,582
4— 42: 1,543,164
85: 1,543,311
173: 1,543,334
185: 1,543,236
5— 13: 1,543,108
94: 1,543,142
164: 1,543,440
270: 1,543,095
308: 1,542,920
320: 1,543,441
6— 19: 1,543,643
21: 1,543,182
10— 114: 1,542,932
141: 1,542,802
1,543,007
163: 1,543,251
11— 4: 1,543,378
12— 1: 1,543,914
135: 1,542,904
142: 1,543,099
14— 41: 1,543,972
15— 8: 1,542,957
15: 1,543,397
21: 1,543,002
119: 1,543,266
135: 1,542,925
229: 1,542,906
243: 1,543,018
16— 86: 1,542,812
1,542,844
119: 1,543,160
183: 1,543,416
17— 13: 1,543,120
18— 43: 1,543,288
47.5: 1,543,304
80: 1,542,930
86: 1,543,305
19— 3: 1,543,308
20— 1: 1,543,134
46: 1,542,809
94: 1,543,034
21— 36: 1,543,085
134: 1,543,087
162: 1,543,220
170: 1,543,310
23— 63: 1,542,971
86: 1,542,928
200: 1,542,965
220: 1,542,979
246: 1,542,873
250: 1,542,843
274: 1,542,941
290: 1,543,275
24— 37: 1,543,559
56: 1,542,808
110: 1,543,148
116: 1,543,467
153: 1,543,395
216: 1,543,076
228: 1,542,766
249: 1,543,268
25— 43: 1,543,068
104: 1,543,425
118: 1,542,886
1,543,000
121: 1,543,491
26— 3: 1,543,644
11: 1,543,202
27: 1,543,114
84: 1,542,833
89: 1,543,080
30— 1: 1,543,316
12: 1,543,387
1,543,587
32— 39: 1,543,421
33— 75: 1,543,865
137: 1,542,900
191: 1,543,003
33— 199: 1,543,244
1,543,254
215: 1,543,376
220: 1,542,800
34— 12: 1,542,845
19: 1,543,459
25: 1,543,423
28: 1,542,929
46: 1,543,073
1,543,344
48: 1,543,366
35— 3: 1,543,067
10: 1,543,420
36— 50: 1,542,846
51: 1,543,187
67: 1,542,960
71: 1,543,573
74: 1,543,024
37— 98: 1,543,267
108: 1,543,645
133: 1,543,167
179: 1,543,223
1,543,228
38— 8: 1,543,091
9: 1,543,199
40— 10: 1,543,370
11: 1,543,205
39: 1,543,571
21: 1,543,198
25: 1,542,820
26: 1,542,605
39: 1,543,474
98: 1,543,561
104: 1,543,599
126: 1,543,439
131: 1,543,454
132: 1,543,108
42— 57: 1,542,959
43— 11: 1,543,508
17: 1,543,247
31: 1,543,446
32: 1,543,120
45: 1,543,205
58: 1,543,020
59: 1,542,942
118: 1,543,226
44— 1: 1,542,945
45— 8: 1,543,466
9: 1,543,442
13: 1,542,820
1,543,208
51: 1,543,052
52: 1,543,353
77: 1,543,302
110: 1,543,261
46— 31: 1,543,370
40: 1,543,251
47— 57: 1,543,056
190: 1,542,923
51— 39: 1,543,559
40: 1,543,366
97: 1,542,876
100: 1,543,259
178: 1,543,404
278: 1,543,641
53— 1: 1,543,373
8: 1,543,014
1,543,340
8: 1,542,957
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61— 73: 1,542,951
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114: 1,543,057
68— 9: 1,543,350
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70— 14: 1,542,907
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71— 6: 1,543,154
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73— 31: 1,542,913
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76— 104: 1,542,902
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61: 1,543,238
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126: 1,543,178
82— 33: 1,542,827
83— 11: 1,542,169
1,543,556
42: 1,543,264
71: 1,543,594
94: 1,543,620
84— 283: 1,543,204
300: 1,543,656
87— 6: 1,543,224
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26: 1,543,167
88— 16.5: 1,543,224
17: 1,543,597
89— 19.5: 1,543,201
24: 1,543,016
1,543,018
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29: 1,543,188
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37: 1,542,970
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38: 1,543,009
90— 4: 1,543,031
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18: 1,543,611
91— 12: 1,542,835
14.5: 1,543,188
43: 1,543,412
67.95: 1,543,060
68: 1,543,283
93— 22: 1,542,812
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1,543,382
1,543,383
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95— 2: 1,543,206
38: 1,543,374
94— 35: 1,542,909
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72: 1,543,116
205: 1,543,115
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101— 23: 1,543,209
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264: 1,543,006
401.2: 1,543,560
414: 1,543,386
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102— 36: 1,543,232
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107— 9: 1,542,831
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107— 57: 1,543,126
66: 1,543,221
108— 5.5: 1,543,327
16: 1,543,320
22: 1,542,919
110— 104: 1,542,834
111— 38: 1,543,602
112— 35: 1,543,255
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114: 1,543,592
219: 1,542,955
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241: 1,542,856
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114— 0.5: 1,543,263
191: 1,543,152
209: 1,543,562
115— 14: 1,543,026
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116— 34: 1,543,077
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117— 3: 1,542,915
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118— 18: 1,543,618
119— 44: 1,543,130
52: 1,542,891
73: 1,543,375
106: 1,543,542
123— 1: 1,543,336
142: 1,543,194
157: 1,543,091
120— 24: 1,542,818
94: 1,543,504
96: 1,543,226
121— 38: 1,542,851
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122— 18: 1,543,257
201: 1,543,191
123— 26: 1,542,999
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33: 1,543,426
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127: 1,543,636
133: 1,543,071
148: 1,543,277
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149: 1,543,480
160: 1,543,626
152— 11.5: 1,542,926
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1,543,646
185: 1,543,479
126— 30: 1,543,212
1,543,220
153— 16: 1,543,000
32: 1,542,983
81: 1,543,383
155— 3: 1,542,800
29: 1,543,612
82: 1,543,301
142: 1,543,208
1,543,508
164: 1,543,307
156— 22: 1,543,109
24: 1,543,170
158— 27: 1,543,471
43.4: 1,543,127
45.5: 1,543,132
53: 1,543,593
63: 1,542,921
77: 1,543,234
1,543,238
91: 1,543,917
164— 28: 1,542,779
42: 1,543,208
60: 1,543,434
61: 1,542,872
1,542,907
94: 1,543,010

166— 15: 1,543,637
170— 98: 1,543,004
156: 1,543,261
168: 1,542,953
171— 34: 1,542,988
95: 1,543,520
209: 1,543,247
253: 1,543,502
1,543,537
175— 264: 1,542,863
273: 1,543,524
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318: 1,543,313
366: 1,543,508
176— 21: 1,543,001
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294: 1,543,370
317: 1,543,225
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368: 1,543,124
178— 53: 1,543,119
71: 1,542,959
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114: 1,542,922
156: 1,543,325
171: 1,543,126
175: 1,542,994
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27: 1,543,906
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183— 86: 1,542,866
184— 1: 1,543,155
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7: 1,543,375
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189— 239: 1,543,536
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11: 1,543,372
191— 13: 1,543,462
192— 2: 1,543,402
17: 1,543,081
23: 1,543,608
140: 1,543,136
196— 119: 1,542,964
197— 110: 1,543,193
151: 1,543,286
186: 1,542,924
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233: 1,543,022
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47: 1,543,625
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59: 1,543,052
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179: 1,543,070
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211— 6: 1,542,241
14: 1,543,501
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33: 1,543,299
212— 122: 1,543,473
213— 34: 1,542,825
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182: 1,543,553
214— 6: 1,543,214
16: 1,543,627
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217— 7: 1,542,863
46: 1,542,927
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218— 1: 1,542,985
219— 4: 1,542,964
10: 1,543,362
20: 1,542,950
32: 1,543,390
34: 1,542,967
36: 1,543,545
38: 1,543,012
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6: 1,543,268
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46: 1,543,053
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221— 51: 1,542,896
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103: 1,542,948
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57.5: 1,543,642
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60: 1,543,551
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232— 4: 1,543,483
1,543,484
15: 1,543,250
232— 34: 1,543,072
235— 73: 1,543,196
91: 1,543,465
236— 4: 1,543,356
35: 1,543,233
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62: 1,543,312
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1,543,445
237— 12.2: 1,543,339
238— 3: 1,543,539
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315: 1,543,231
240— 7: 1,543,079
41: 1,543,141
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44: 1,543,230
45.2: 1,542,980
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250— 41: 1,543,996
1,543,326
252— 1: 1,543,107
253— 87: 1,543,172
89: 1,543,171
122: 1,543,060
254— 31: 1,543,123
81: 1,543,233
94: 1,543,300
103: 1,543,181
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166: 1,543,269
255— 76: 1,542,860
257— 131: 1,542,906
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177: 1,543,408
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216: 1,543,449
231: 1,542,842
259— 81: 1,542,908
128: 1,543,323
260— 4: 1,543,369
9: 1,543,543
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152: 1,542,819
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33.44: 1,543,304
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198: 1,543,133
224: 1,543,538
226: 1,543,280

ALPHABETICAL LIST OF REGISTRANTS OF TRADE-MARKS.

Abbey-Ross Corporation, The, New York, N. Y. Medicinal preparation for disorders of the stomach, liver, blood, and kidneys, and medicinal digestive preparations. 200,270; June 30; Serial No. 206,116; published Apr. 7, 1925.

Acme Products Company, New Orleans and De Quincy, La. Pine oil for use in disinfectants, etc. 200,414; June 30; Serial No. 207,540; published Apr. 14, 1925.

Allen-Bradley Company, Milwaukee, Wis. Electrical switches. 200,375; June 30; Serial No. 197,126; published Apr. 21, 1925.

Ammen, Charles, Company, Ltd., Alexandria, La. Baby powder. 200,424; June 30; Serial No. 208,446; published Apr. 7, 1925.

American Circular Loom Company, Pittsburgh, Pa., and New York, N. Y. Metal conduits for electrical conductors. 200,267; June 30; Serial No. 206,344; published Apr. 14, 1925.

American Heel Co., Nashua, N. H. Heels. 200,286; June 30; Serial No. 209,374; published Apr. 14, 1925.

American Varnish Company, The, Chicago, Ill. Varnishes. 47,642; renewed Nov. 14, 1925.

American Varnish Company, The, Chicago, Ill. Varnishes. 47,755; renewed Nov. 21, 1925.

Am-Pico Storage Battery Company, Chicago, Ill. Storage batteries and storage-battery plates. 200,206; June 30; Serial No. 181,876; published Apr. 14, 1925.

Anesthae Chemical Co. (See Krug, George H.)

Ansted & Burk Co., The, Springfield, Ohio. Wheat flour. 200,197; June 30; Serial No. 198,442; published Apr. 21, 1925.

Ardito, Giambattista, Hoboken, N. J. Medicated oil for rheumatism. 47,479; renewed Nov. 7, 1925.

Arlington Mfg. Co., Clarendon, Va. Lotion for chapped hands and face. 200,427; June 30; Serial No. 207,772; published Mar. 31, 1925.

Aunt Jemima Mills Company, St. Joseph, Mo. Self-rising flour. 200,381; June 30; Serial No. 210,156; published Apr. 21, 1925.

Austrian, Joseph E., New York, N. Y. Puzzle book. 200,315; June 30; Serial No. 205,982; published Apr. 7, 1925.

Automatic Electrical Devices Company, The, Cincinnati, Ohio. Electrical rectifiers. 200,209; June 30; Serial No. 192,168; published Apr. 21, 1925.

Bakelite Corporation, New York, N. Y. Armatures, bobbin heads, buttons, end bells, etc. 200,372; June 30; Serial No. 202,578; published Apr. 7, 1925.

Baltimore Butterine Company, The, Baltimore, Md. Oleomargarine. 200,402; June 30; Serial No. 208,499; published Apr. 21, 1925.

Bay State Milling Company, Winona, Minn. Wheat flour. 200,382; June 30; Serial No. 210,033; published Apr. 21, 1925.

Beckworth, Otto Q., doing business as Bee Gee Bee Manufacturing Co., Los Angeles, Calif. Electrically-heated devices. 200,466 June 30.

Bee Gee Bee Manufacturing Co. (See Beckworth, Otto Q.)

Beems and Williamson, doing business as Bewilda Products Co., Los Angeles, Calif. Hair tonic. 200,430; June 30; Serial No. 207,612; published Mar. 31, 1925.

Benjamin, William J., doing business as Benjamin Drug Co., Midland Park, N. J. Tablets, cough sirup, pile ointment, etc. 200,409; June 30; Serial No. 208,124; published Apr. 21, 1925.

Bennett Day Importing Company, Inc., New York, N. Y. Nuts in their natural state, beans, peas, and figs in a dried state. 200,396; June 30; Serial No. 208,893; published Apr. 14, 1925.

Bethlehem Steel Company, Bethlehem, Pa. Door sill and 200,483; June 30.

Bethlehem Steel Company, Bethlehem, Pa. Hydraulic accumulators, bars, blades, disks, mill cams, etc. 200,490; June 30.

Bewilda Products Co. (See Beems and Williamson.)

Birkett Mills, The, Penn Yan, N. Y. Buckwheat flour. 200,284; June 30; Serial No. 207,339; published Apr. 21, 1925.

Bizzoni Process Co., Inc., The, Long Island City, N. Y. Chemical preparations for waving or curling the hair. 200,353; June 30; Serial No. 209,273; published Mar. 31, 1925.

Blatchford Calf Meal Company, Waukegan, Ill. Feed for animals. 200,285; June 30; Serial No. 207,226; published Apr. 21, 1925.

Blatchford Calf Meal Company, Waukegan, Ill. Cattle feed. 200,368; June 30; Serial No. 206,716; published Apr. 21, 1925.

Bloch, F. V., doing business as Pacific Produce Co., San Francisco, Calif. Fresh and dried garlic. 200,469; June 30.

Blue Seal Supply Co. (See McKey & Co.)

Bond Pickle Company, Oconto, Wis. Pickles. 200,477; June 30.

Bourday, Inc., New York, N. Y. Perfumes. 200,311; June 30; Serial No. 209,274; published Mar. 31, 1925.

Bridges, Albert F., & Co. Inc., Chicago, Ill. Fresh vegetables, canned, salted, dried, pickled, and fresh fish, breakfast cereals, etc. 200,232; June 30; Serial No. 187,294; published Jan. 13, 1925.

Brotherhood Investment Company, Mentor, Ohio. Monthly publication. 200,325; June 30; Serial No. 198,449; published Apr. 7, 1925.

Budden, Lucy, doing business as Mrs. G. H. Windsor, Hamilton, Mont. Cough medicine. 200,338; June 30; Serial No. 210,042; published Apr. 14, 1925.

Buehler Brothers, Inc., Chicago, Ill. Nut oleomargarine. 200,470; June 30.

Burndept Limited, London, England. Wireless apparatus. 200,294; June 30; Serial No. 193,028; published Apr. 21, 1925.

C-T Radio Corporation, New York, N. Y. Vacuum radio tubes. 200,248; June 30; Serial No. 200,626; published Apr. 14, 1925.

California Bottling Works, Los Angeles, Calif. Beverages. 200,261; June 30; Serial No. 209,560; published Apr. 21, 1925.

Canton Steel Company, Pittsburgh, Pa.; Canton Steel Company, New York, N. Y. Steel. 47,626; renewed Nov. 14, 1925.

Caplan, David, Co., Boston, Mass. Bias-fold tape. 200,312; June 30; Serial No. 209,200; published Apr. 7, 1925.

Carlson, Ray A., Chicago, Ill. Periodical publications. 200,318; June 30; Serial No. 209,187; published Apr. 7, 1925.

Carpenter Manufacturing Co., The, Norwich, Conn. Tinsel cord. 200,471; June 30.

Cella, Louis, Inc., New York, N. Y. Candies. 200,330; June 30; Serial No. 192,673; published Apr. 14, 1925.

Celluloid Company, The, Newark, N. J., and New York, N. Y. Collar buttons. 200,309; June 30; Serial No. 209,885; Apr. 7, 1925.

Cerebos, Limited, Durham and London, England. Preparation for thickening, coloring and seasoning gravy, soups, and stews. 200,403; June 30; Serial No. 208,842; published Apr. 14, 1925.

Checker Chemical Company. (See Scanlon, Paul J.)

Chemical Process Corporation, Chicago, Ill. Carbon paper. 200,373; June 30; Serial No. 199,820; published Apr. 7, 1925.

Chicago Granitine Manufacturing Company, Chicago, Ill. Stationary laundry tubs. 200,238; June 30; Serial No. 210,350; published Apr. 14, 1925.

Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus and machines for boring, drilling, etc., also generator sets for operating such tools. 200,387; June 30; Serial No. 209,278; published Apr. 21, 1925.

Chicago Pneumatic Tool Company, New York, N. Y. Electrical apparatus, and machines, etc. 200,401; June 30; Serial No. 206,509; published Apr. 21, 1925.

Clemson, George N.; Clemson Bros. Inc., Middletown, N. Y., successor. Saws. 47,070; renewed Nov. 14, 1925.

Coleman, John L., New York, N. Y. Finger rings. 200,246; June 30; Serial No. 209,024; published Apr. 14, 1925.

Colonial Lamp & Fixture Works, assignor to Colonial Lamp & Fixture Works, Chicago, Ill. Electric lighting fixtures. 200,380; June 30; Serial No. 153,541; published Apr. 7, 1925.

Columbia Phonograph Company, Inc., Bridgeport, Conn. Phonograph records, both recording and reproducing, etc. 200,363; June 30; Serial No. 208,127; published Apr. 21, 1925.

Columbus Gear & Pump Company, The, Columbus, Ohio. Electrical engine- and belt driven power pumps. 200,456; June 30; Serial No. 209,721; published Apr. 21, 1925.

Colytt Laboratories, The. (See Watkins, Frederick A.)

Corega Chemical Company, Cleveland, Ohio. Dental powder. 200,438; June 30; Serial No. 208,719; published Mar. 31, 1925.

Cornell Wood Products Company, Cornell, Wis., and Chicago, Ill. Radiopanels, switchboard panels, and insulated composition boards. 200,251; June 30; Serial No. 208,183; published Apr. 14, 1925.

Corn Fix Co., Inc., Newark, N. J. Remedy for corns, calli, and bunions. 200,256; June 30; Serial No. 210,447; published Apr. 21, 1925.

Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 47,795–7; published Nov. 21, 1925.

Crucible Steel Company of America, Pittsburgh, Pa.; Crucible Steel Company of America, New York, N. Y. Steel. 47,846; renewed Nov. 21, 1925.

Crystal Chemical Co., Inc., The, New York, N. Y. Incense. 200,358; June 30; Serial No. 208,960; published Mar. 31, 1925.
Cummings, Patrick J., doing business as The Jewelry and Cutlery Novelty Company, North Attleboro, Mass. Pocketknives. 200,446; June 30; Serial No. 210,291; published Apr. 21, 1925.
Curtis, Joseph A., Detroit, Mich. Chocolate candy bars filled with peanuts. 200,296; June 30; Serial No. 199,091; published Apr. 21, 1925.
D. X. Instrument Company, Harrisburg, Pa. Lightning arresters. 200,280; June 30; Serial No. 207,860; published Apr. 21, 1925.
Daus, Felix F., Duplicator Company, Inc., New York, N. Y. Revolving duplicators. 200,412; June 30; Serial No. 207,854; published Apr. 7, 1925.
Davidson, Jemima, doing business as J. Davidson & Son, New Bedford, Mass. Ham. 200,369; June 30; Serial No. 205,296; published Apr. 21, 1925.
Dawson & Son, New Medford, Mass. Ale. 47,595; renewed Nov. 14, 1925.
Deep Sea Salmon Company, Seattle, Wash. Canned salmon. 200,473; June 30.
Dennison Manufacturing Company, Framingham, Mass. Tags. 200,407; June 30; Serial No. 208,284; published Apr. 7, 1925.
Dent, Charles H., doing business as Dent Chemical Company, Grand Rapids, Mich. Toilet waters, perfumes, and creams. 200,360; June 30; Serial No. 208,574; published Apr. 7, 1925.
Detroit Graphite Company, Detroit, Mich. Ready-mixed paint. 200,459; June 30; Serial No. 208,229; published Apr. 21, 1925.
Diaz, Julian, doing business as J. Diaz Medicine Company, Tampa, Fla. Tonic medicine for kidney and bladder trouble, rheumatism, etc. 200,345; June 30; Serial No. 209,834; published Apr. 14, 1925.
Ditzler Color Co., Detroit, Mich. Japan colors, varnishes, paints, etc. 200,457; June 30; Serial No. 209,389; published Apr. 21, 1925.
Domino House. (See Sullivan, Marguerite.)
Dubilier Condenser & Radio Corporation, New York, N. Y. Electrical condensers. 200,292; June 30; Serial No. 197,195; published Apr. 21, 1925.
Dunbarr, Earle H., Trinidad, Colo. Insecticides. 200,267; June 30; Serial No. 209,210; published Mar. 31, 1925.
Duncan Sisters Music Publishers, Chicago, Ill. Musical compositions and publications. 200,320; June 30; Serial No. 204,310; published Apr. 7, 1925.
Dutch Maid Products. (See Eba, Earl M.)
Dynamic Radio Company. (See Krans, William.)
Dziubinski, Athanasius, Holdingford, Minn. Wound-healing salve. 200,305; June 30; Serial No. 209,467; published Apr. 14, 1925.
Eba, Earl M., doing business as Dutch Maid Products, Seattle, Wash. Mayonnaise and salad dressing, cornmeal mush, tartar sauce, etc. 200,226; June 30; Serial No. 206,225; published Apr. 7, 1925.
Edal Products Co., Chicago, Ill. Skin lotion. 200,301; June 30; Serial No. 209,836; published Apr. 14, 1925.
Electrical Manufacturing Co. (See Kent, Charles W.)
Electrical Products Manufacturing Company, Providence, R. I. Loud-speaking telephones, transformers, etc. 200,411; June 30; Serial No. 207,022; published Apr. 14, 1925.
Electrical Research Laboratories, Inc., Chicago, Ill. Radiodials. 200,400; June 30; Serial No. 208,645; published Apr. 21, 1925.
Emmerich, Chas., & Co., Chicago, Ill. Pillows. 200,308; June 30; Serial No. 209,890; published Apr. 7, 1925.
Endless Life Food and Drink Company. (See Jefferson, George F.)
Esterbrook Steel Pen Manufacturing Company, The, Camden, N. J. Drawing and lettering pens. 200,297; June 30; Serial No. 210,541; published Apr. 14, 1925.
Eugene Ltd., New York, N. Y. Preparations to be used in the permanent waving of the hair. 200,352; June 30; Serial No. 209,286; published Mar. 31, 1925.
Fanning, Omar A., Streator, Ill. Pickles. 200,304; June 30; Serial No. 200,727; published Apr. 14, 1925.
Fashion Hat Frame Co., The, New York, N. Y. Hat frames. 200,252; June 30; Serial No. 207,978; published Apr. 14, 1925.
Federal Telephone & Telegraph Co., Buffalo, N. Y. Telephone and telegraph apparatus and radio apparatus. 200,485; June 30.
Federal Yarn Corporation, New York, N. Y. Cotton tape. 200,329; June 30; Serial No. 193,036; published Apr. 7, 1925.
Firth, John, New York, N. Y. Soldering fluid. 200,215; June 30; Serial No. 209,339; published Apr. 7, 1925.
Fones, Alfred C., doing business as The Laroma Chemical Company, Bridgeport, Conn. Toothbrushes. 200,278; June 30; Serial No. 207,927; published Apr. 21, 1925.
Fox River Paper Company, Appleton, Wis. Writing paper. 200,318; June 30; Serial No. 204,550; published Apr. 7, 1925.
Fraxé, Glenn B., doing business as Fraxé Laboratories, Los Angeles, Calif. Blend of oils for treating the hair after permanent waving. 200,351; June 30; Serial No. 209,289; published Mar. 31, 1925.
General Electric Company, Schenectady, N. Y. Electrical switches, fuses, insulating compounds, etc. 200,199; June 30; Serial No. 196,338; published Apr. 21, 1925.
General Instrument Corporation, New York, N. Y. Electron tube and amplification units or stages, etc. 200,396; June 30; Serial No. 208,849; published Apr. 21, 1925.
General Instrument Corporation, New York, N. Y. Electrical insulation compound for use in electrical and radio apparatus. 200,397; June 30; Serial No. 208,848; published Apr. 21, 1925.
Georgia Show Case Co., Montgomery, Ala. Furniture and fixtures for banks, stores, offices, and jewelry establishments. 200,333; June 30; Serial No. 174,204; published Apr. 7, 1925.
Gibson-Howell Company. (See Ukemco Corporation.)
Gilbert & Co. Inc., New York, N. Y. Watches. 200,245; June 30; Serial No. 209,033; published Apr. 14, 1925.
Gilbert, Edgar, doing business as Gilbert Laboratories, White Plains, N. Y. Medicinal preparation for guaiacol for phthisis, pneumonia, etc. 200,344; June 30; Serial No. 209,841; published Apr. 14, 1925.
Gillies Coffee Co., New York, N. Y. Preparation of chocolate or cocoa for beverages. 200,390; June 30; Serial No. 208,757; published Apr. 21, 1925.
Girouard, Arthur J., doing business as The Wonder Chemical Company, West Springfield, Mass. Bleaching fluid and cornsoap water. 200,441; June 30; Serial No. 199,916; published Apr. 7, 1925.
Glorient, Inc., New York, N. Y. Dyes. 200,355; June 30; Serial No. 209,124; published Mar. 31, 1925.
Goldberg, George, Inc., New York, N. Y. Jewelry, and more particularly ring mountings. 200,248; June 30; Serial No. 208,758; published Apr. 14, 1925.
Goldfarb, Benjamin, New York, N. Y. Remedy for coughs, colds, and bronchitis. 200,219; June 30; Serial No. 209,162; published Mar. 31, 1925.
Goldsmith Stern & Co., New York, N. Y. Watches, watchcases, watch movements, and parts of the same. 200,242; June 30; Serial No. 209,911; published Apr. 14, 1925.
Good, Harry H. (See Tutt, Dr., Mfg. Co., assignor.)
Gordon, Louis W., Co. Inc., New York, N. Y., assignor to N. B. Thayer & Co., Inc., East Rochester, N. H. Boots and shoes. 200,378; June 30; Serial No. 176,839; published Apr. 7, 1925.
Gray, Dorothy, New York, N. Y. Face, talcum, and astringent powders, cleansing cream, depilatories, etc. 200,419; June 30; Serial No. 208,781; published Apr. 14, 1925.
Great Atlantic & Pacific Tea Company, The, Jersey City, N. J. Cereal breakfast foods. 200,300; June 30; Serial No. 194,602; published Apr. 21, 1925.
Griesman, Louis, Nanuet, N. Y. Disinfectant, deodorant, and germicide compound. 200,228; June 30; Serial No. 204,258; published Mar. 10, 1925.
Grube, August, Logansport, Ind. Breakfast food, the principal ingredient of which is corn meal. 200,288; June 30; Serial No. 204,906; published Apr. 21, 1925.
Guilmont & Peters, Chicago, Ill. Tint for the hair. 200,211; June 30; Serial No. 209,913; published Apr. 7, 1925.
Guyton, Frank, doing business as Wellsten Bottling Works, St. Louis, Mo. Nonalcoholic, noncereal, maltless beverages. 200,237; June 30; Serial No. 210,660; published Apr. 21, 1925.
Halfhill Packing Corp., Long Beach, Calif. Canned fish, canned vegetables, and relishes. 200,418; June 30; Serial No. 206,783; published Apr. 14, 1925.
Hall, Charles G., New York, N. Y. Radio receiving apparatus. 200,196; June 30; Serial No. 202,991; published Apr. 21, 1925.
Hall Paint Company, Inc., Buffalo, N. Y. Boiled or raw linseed oil, turpentine, etc. 200,460; June 30; Serial No. 207,565; published Apr. 21, 1925.
Haupt, Peter. (See New Athens Milling Co., assignee.)
Hans Neuerburg o. H. G., Trier, Germany. Tobacco, snuff, cigars, stogies, and cigarettes. 200,478; June 30.
Haus Neuerburg o. H. G., Trier, Germany. Cigars, cigarettes, cigarillos, and tobaccos. 200,493; June 30.
Herbert & Herbert, Inc., Perth Amboy, N. J. Colloidal-sulphur and lime-sulphur solution. 200,332; June 30; Serial No. 191,705; published Apr. 14, 1925.
Hess Bros., New York, N. Y. Food products—viz, sardellen, pâté de foie gras, etc. 200,319; June 30; Serial No. 204,317; published Apr. 14, 1925.
Hill, Ambrose L., doing business as A. L. Hill, D. D. S., Kingston, N. Y. Antiseptic preparation for treatment of pyorrhea, etc. 200,423; June 30; Serial No. 207,741; published Mar. 31, 1925.
Hoffman Bros., Inc., New York, N. Y. Watches, watch movements, watchcases, clocks, and parts thereof. 200,377; June 30; Serial No. 192,122; published Apr. 21, 1925.
Hoffman, J. L., Co., Allentown, Pa. Stock and poultry tonic. 200,324; June 30; Serial No. 202,114; published Apr. 14, 1925.
Hoffman-La Roche Chemical Works, The, New York, N. Y. Tablet containing a laxative preparation. 200,220; June 30; Serial No. 209,126; published Mar. 31, 1925.

Home Distributors, Inc., Chicago, Ill. Ladies' dresses, aprons, frocks, and blouses. 200,259; June 30; Serial No. 210,057; published Apr. 14, 1925.
Hooper, Wm. E., & Sons Co., Woodberry, Baltimore, Md. Mail sacks, coal bags, coin sacks, etc. 200,260; June 30; Serial No. 209,662; published Apr. 21, 1925.
Horback, Peter A., Cincinnati, Ohio. Hop-flavored malt syrup for food purposes. 200,222; June 30; Serial No. 207,934; published Apr. 7, 1925.
Houghton, E. F., & Co., Philadelphia, Pa. Preparations of an oil nature for textile fabrics. 200,434; June 30; Serial No. 206,071; published Mar. 31, 1925.
Hovey, H. A., & Co., Boston, Mass. Butter and eggs. 200,421; June 30; Serial No. 206,577; published Apr. 14, 1925.
Hoyt, E. W., & Co. (See Shedd, Freeman B.)
Hoyt, Peggy, Inc., New York, N. Y. Perfume, toilet water, cold cream, etc. 200,431; June 30; Serial No. 206,807; published Mar. 31, 1925.
Hudnut, Richard, New York, N. Y. Face powders, talcs, bath salts, etc. 200,218; June 30; Serial No. 209,165; published Mar. 31, 1925.
Hudson Manufacturing Company, The, Minneapolis, Minn. Sprayers and parts thereof. 200,461; June 30; Serial No. 207,463; published Apr. 21, 1925.
Hurd, George B., & Co., New York, N. Y. Writing paper and envelopes. 47,760; renewed Nov. 21, 1925.
Hyman & Oppenheim, New York, N. Y. Auxiliary hair pieces. 200,406; June 30; Serial No. 206,142; published Apr. 7, 1925.
Hyman, Isaac, & Sons, doing business as Red Seal Mills, New York, N. Y. Twine. 200,413; June 30; Serial No. 207,575; published Apr. 7, 1925.
Indianapolis Glove Company, Indianapolis, Ind. Gloves. 200,354; June 30. Serial No. 208,984; published Apr. 14, 1925.
Indian Hill Company, The, Chicago, Ill. Ginger ale and drupe for making same. 200,226; June 30; Serial No. 210,667; published Apr. 21, 1925.
Ingersoll, Robt. H., & Bro., New York, N. Y., assignors to Waterbury Clock Company, Waterbury, Conn. Watches and clocks. 47,471; renewed Nov. 7, 1925.
Inkxtendo Mfg. Co. (See Melton, Walter F.)
Irongland Company, San Francisco, Calif. Medicinal gland tonic. 200,266; June 30; Serial No. 209,216; published Mar. 31, 1925.
Irvin, Etta, Hamtramck, Mich. Tonic for hair and scalp. 200,314; June 30; Serial No. 208,886; published Apr. 14, 1925.
Jackson Box Company, The, Norwood, Ohio. Cartons shipping boxes, and containers. 200,289; June 30; Serial No. 209,128; published Apr. 21, 1925.
Jefferson, George F., doing business as Endless Life Food and Drink Company, Cincinnati, Ohio. Biscuits, bread, buns, cake, cookies, etc. 200,287; June 30; Serial No. 205,481; published Apr. 21, 1925.
Jewelry and Cutlery Novelty Company, The. (See Cummings, Patrick J.)
Johns-Pratt Company, The, Hartford, Conn. Electrical switches, 200,383–4; June 30; Serial Nos. 209,849–50; published Apr. 21, 1925.
Kalix Cup Company, Boston, Mass. Paper drinking cups and dispensers therefor. 200,289; June 30; Serial No. 201,665; published Apr. 21, 1925.
Kavanagh, William H. J., Chicago, Ill. Potatoes. 200,416; June 30; Serial No. 207,387; published Apr. 14, 1925.
Keen Kola Manufacturing Co., Dallas, Tex. Beverage. 200,264; June 30; Serial No. 209,852; published Apr. 21, 1925.
Keller, W. B., Publishing Co., New York, N. Y. Publication issued monthly. 200,317; June 30; Serial No. 206,926; published Apr. 7, 1925.
Kent, Charles W., doing business as Electreat Manufacturing Co., Peoria, Ill. Machines for intermittently lighting electric lights. 200,434; June 30.
Kenworthy Grain & Milling Co., Tacoma, Wash. Cereals—namely feeds, corn meal, rolled oats, etc. 200,295; June 30; Serial No. 192,488; published Apr. 21, 1925.
Kersten, Morris, doing business as Kersten Electric Co., Chicago, Ill. Electric-iron cord sets, flatirons, toasters, etc. 200,365; June 30; Serial No. 207,082; published Apr. 21, 1925.
Keystone Watch Case Company, The, Philadelphia, Pa. Watches, watchcases, watch movements, and parts thereof. 200,376; June 30; Serial No. 196,838; published Apr. 21, 1925.
Kleinert, I. B., Rubber Company, New York, N. Y. Dress shields. 200,299–300; June 30. Serial Nos. 210,172–3; Apr. 7, 1925.
Koerner Furniture Manufacturing Company, Inc., Boston, Mass. Upholstered divans and chairs. 200,422; June 30; Serial No. 208,173; published Apr. 7, 1925.
Krans, William, doing business as Dynamic Radio Company and Mike's Radio Shops, New York, N. Y. Radio sets and apparatus. 200,435; June 30; Serial No. 206,879; published Apr. 7, 1925.
Krug, George H., doing business as Anesthes Chemical Co., Baltimore, Md. Local anesthetic. 200,340; June 30; Serial No. 209,409; published Mar. 31, 1925.
La Cara Food Company. (See Vihas, Fred L.)
La Fontaine, Eleonora V., Brooklyn, N. Y. Almond table syrup. 200,225; June 30; Serial No. 184,409; published Apr. 7, 1925.

Lambros & Sons, Bellaire, Ohio. Antiseptic healing and smoothing ointment. 200,348; June 30; Serial No. 209,418; published Mar. 31, 1925.
Lamphraft. (See Marx, Maurice P.)
Lanoil System Ltd., New York, N. Y. Preparations for the hair, hair-waving fluids, etc. 200,224; June 30; Serial No. 174,908; published Nov. 13, 1923.
Laroma Chemical Company, The. (See Fones, Alfred C.)
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Medicinal preparation for the treatment of constipation. 200,339; June 30; Serial No. 209,994; published Apr. 14, 1925.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Medicinal preparation for the treatment of obesity. 200,340; June 30; Serial No. 209,992; published Apr. 14, 1925.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Deodorant. 200,341; June 30; Serial No. 209,991; published Apr. 14, 1925.
Learned, W. E., doing business as Scientific Research Laboratories, New York, N. Y. Soap used for reducing obesity. 200,472; June 30.
Lehn & Fink, Inc., New York, N. Y. Nonirritating astringent and antiseptic ointment. 200,444; June 30; Serial No. 210,476; published Apr. 21, 1925.
Livy, Milton L., New York, N. Y. Vaginal suppositories. 200,432; June 30; Serial No. 206,319; published Apr. 7, 1925.
Long Island Beverage Company, Inc., Astoria, N. Y. Nonalcoholic, noncereal, maltless beverages and sirups for making same. 200,229; June 30; Serial No. 210,241; published Apr. 21, 1925.
Los Angeles Barber Supply Co. Inc., Los Angeles, Calif. Toilet water, scalp pomade, shampoo, etc. 200,247; June 30; Serial No. 209,484; published Mar. 31, 1925.
Louis R. (See Raffo, Louis.)
Lowry, William J., doing business as Punctual Pharmacals. Windsor Hills, Baltimore, Md. Preparation for treatment of cramps, colic, etc. 200,307; June 30; Serial No. 209,416; published Apr. 14, 1925.
Mackenzie, Robt. F., Co., The, Cleveland, Ohio. Candy. 200,202; June 30; Serial No. 192,404; published Apr. 7, 1925.
Magnavox Company, The, Oakland, Calif. Electrical sound magnifying and amplifying devices. 200,379; June 30; Serial No. 170,588; published Apr. 7, 1925.
Mait Products Co. (See Milgram, Nathan.)
Marsh, C. A. & Co., Attleboro, Mass. Buckles, chains, and cuff buttons. 200,468; June 30.
Marshall Manufacturing Co., The, Marshall, Tex. Shipping baskets. 200,279; June 30; Serial No. 207,875; published Mar. 10, 1925.
Marx, Maurice P., doing business as Lamphraft, New York, N. Y. Electric boudoir lamps. 200,476; June 30.
Marx & Rawolle Inc., New York, N. Y. Oil stains. 200,464; June 30; Serial No. 206,887; published Apr. 21, 1925.
McKey & Co.: Blue Seal Supply Co. Boston, Mass., successor. Extracts, essences, tinctures, and perfumery. 26,690; renewed June 18, 1925.
McTague, Agnes, doing business as McTague Laboratories and McTague Institute, Cleveland, Ohio. Preparation for treating the scalp and hair. 200,217; June 30; Serial No. 209,170; published Mar. 31, 1925.
Melton, Walter F., doing business as Inkxtendo Mfg. Co., Dallas, Tex. Ink regulators, reducers, driers, etc. 200,198; June 30; Serial No. 197,491; published Apr. 14, 1925.
Mennen Company, The, Newark, N. J. Talcum powder. 200,348; June 30; Serial No. 209,856; published Mar. 31, 1925.
Merrell, Wm. S., Company, The, Cincinnati, Ohio. Antiphlogistic and local anodyne. 200,268; June 30; Serial No. 209,171; published Mar. 31, 1925.
Meyers Corporation, Inc., Mandan, N. Dak. Lotion for the skin and complexion. 200,281; June 30; Serial No. 207,750; published Mar. 31, 1925.
Middleby, Jos., Jr., Boston, Mass. Jams. 200,480; June 30.
Mike's Radio Shops. (See Krans, William.)
Milgram, Nathan, doing business as Malt Products Co., Kansas City, Mo. Malt for food purposes. 200,239; June 30; Serial No. 201,204; published Oct. 7, 1924.
Miller R., Milwaukee, Wis., and Chicago, Ill. Salve and liniment. 200,433; June 30; Serial No. 206,253; published Apr. 7, 1925.
Miller, Thomas, C., doing business as Puego Company, Cleveland, Ohio. Medicine. 200,423; June 30; Serial No. 208,474; published Mar. 31, 1925.
Monroe Drug Company, Quincy, Ill. Dyes. 200,425; June 30; Serial No. 208,415; published Mar. 31, 1925.
Murphy, Maurice, doing business as Murphy Remedies Company, Pittsburgh, Pa. Medicinal preparation exercising a remedial effect in the treatment of indigestion and stomach trouble. 200,336; June 30; Serial No. 210,134; published Apr. 14, 1925.
Murrmann, Annie R., Danville, Ill. Medicine for treatment of the lungs, etc. 200,429; June 30; Serial No. 207,625; published Apr. 7, 1925.
Musical Products Distributing Co. Inc., New York, N. Y. Radio receiving sets and parts thereof. 200,261; June 30; Serial No. 208,388; published Apr. 21, 1925.

National Biscuit Company, Jersey City, N. J., and New York, N. Y. Biscuits, crackers, cakes, and cookies. 200,282; June 30; Serial No. 207,670; published Apr. 21, 1925.

National Cable Compound Company, Incorporated, The, Mitchell, Ind. Battery terminal compound. 200,440; June 30; Serial No. 201,671; published Mar. 31, 1925.

National Candy Company. (See Packham, O. H., Candy Manufacturing Company.)

National Washboard Company, Chicago, Ill., and Saginaw, Mich. Washboards. 200,491; June 30.

Nebraska Consolidated Mills Company, doing business as St. Edward Mills, Omoha, Nebr. Wheat flour. 200,240; June 30; Serial No. 210,072; published Apr. 21, 1925.

Nelsine Chemical Co., Chicago, Ill. Hair color restorer. 200,263; June 30; Serial No. 209,489; published Apr. 7, 1925.

New Athens Milling Co., assignor to Peter Haupt, doing business as White Dove Flour Mills, New Athens, Ill. Flour. 46,131; renewed Sept. 5, 1925.

Newspaper Advertiser Publishing Company, Inc., New York, N. Y. Name of its publication. 200,404; June 30; Serial No. 208,604; published Apr. 7, 1925.

Newton, Chambers & Co., Limited, Sheffield, England. Starch and blue for laundry purposes, perfumery, disinfectant fluid, etc. 200,323; June 30; Serial No. 203,087; published Apr. 14, 1925.

Noble, Kenneth B., doing business as Noble Manufacturing Company, Hartford, Conn. Mechanical toys. 200,291; June 30; Serial No. 198,667; published Apr. 21, 1925.

Nolan, Edward A., St. Paul, Minn. Corn and bunion treatment. 200,350; June 30; Serial No. 209,313; published Mar. 31, 1925.

Oertel, Carl H., Baltimore, Md. Medicines for colds, grippe, and influenza. 200,453; June 30; Serial No. 206,856; published Apr. 21, 1925.

Old Grand-Dad Distillery Co., Louisville, Ky. Whisky. 200,273; June 30; Serial No. 208,864; published Apr. 21, 1925.

Olmsted, Leon A., doing business as Vim Chain Stores, Chicago, Ill. Electric tapes, dry cells, doorbells, etc. 200,256; June 30; Serial No. 206,631; published Apr. 21, 1925.

Onaola Cosmetic Co., Los Angeles, Calif. Hair dressing. 200,342; June 30; Serial No. 209,935; published Apr. 14, 1925.

Orbis Products Trading Co., Inc., New York, N. Y. Gum arabic and tragacanth, perfumery, essential oils, thymol, menthol, etc. 200,335; June 30; Serial No. 210,135; published Apr. 14, 1925.

Pacific Coast Biscuit Company, Seattle, Wash. Cream crackers. 200,385; June 30; Serial No. 209,494; published Apr. 21, 1925.

Pacific Produce Co. (See Bloch, F. V.)

Palmer, Isaac E.; The I. E. Palmer Company, Middletown, Conn., successor. Hammocks. 44,449; renewed July 4, 1925.

Palmigiano, Antonio, Rochester, N. Y. Canned fish. 200,417; June 30; Serial No. 206,916; published Apr. 14, 1925.

Parfumerie Rigaud, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 200,265; June 30; Serial No. 209,241; published Mar. 31, 1925.

Parfumerie Rigaud, Inc., New York, N. Y. Perfume, toilet water, face powder, etc. 200,354; June 30; Serial No. 209,242; published Mar. 31, 1925.

Parfumerie Rigaud, Inc., New York, N. Y. Face powders. 200,443; June 30; Serial No. 210,980; published Apr. 21, 1925.

Parks Brothers & Rogers, Inc., Providence, R. I. Separable cuff button. 200,190; June 30; Serial No. 208,082; published Apr. 14, 1925.

Pathé Chemical Company, Brooklyn, N. Y. Moth-repellent compounds. 200,214; June 30; Serial No. 209,809; published Apr. 7, 1925.

Peaster, Walter G., Silver City, Miss. Preparation for the treatment of cystitis, gonorrhea, etc. 200,406; June 30; Serial No. 208,481; published Mar. 31, 1925.

Peckham, O. H., Candy Manufacturing Company; National Candy Company, St. Louis, Mo., successor. Lozenges and candy. 27,142; renewed Oct. 8, 1925.

Pennsylvania Salt Manufacturing Co., Philadelphia, Pa. Lye. 200,405; June 30; Serial No. 208,478; published Mar. 31, 1925.

Perfection Manufacturing Company, Brooklyn, N. Y. Bead cords and strings. 200,492; June 30.

Permatype Record Writing Machine Company, Newark, N. J. Record-writing machines. 200,445; June 30; Serial No. 210,314; published Apr. 21, 1925.

Picard, Hermann & Fils, Alexora Watch Manfactory, La Chaux-de-Fonds, Switzerland. Watches, watchcases watch movements, and dials and parts of watches 200,367; June 30; Serial No. 206,975; published Apr 21, 1925.

Pickett, Pauline, Farmington, Mich. Confection consisting of a core of comb honey surrounded by an edible coating of candy. 200,221; June 30; Serial No. 208,007; published Apr. 7, 1925.

Poehlman, John & Sons, Baltimore, Md. Butter and eggs. 200,276; June 30; Serial No. 206,480; published Apr. 21, 1925.

Pohl, Ed., Reval, Esthonia. Safety matches. 200,286; June 30; Serial No. 206,801; published Apr. 21, 1925.

Portage Wholesale Grocery Company, Portage, Wis. Peanut butter, olives, salad dressing, mayonnaise, pickles, etc. 200,310; June 30; Serial No. 209,318; published Apr. 14, 1925.

Preservaline Manufacturing Company, The, Brooklyn, N. Y. Coloring for meat food products. 200,212; June 30; Serial No. 209,812; published Apr. 7, 1925.

Press Publishing Company, New York, N. Y. Daily comic strip in a newspaper. 200,326–7; June 30; Serial Nos. 193,731–2; published Apr. 7, 1925.

Press Publishing Company, New York, N. Y. Daily comic strip in a newspaper. 200,328; June 30; Serial No. 193,729; published Apr. 7, 1925.

Preventosan Laboratories. (See Sunshine, Jacob.)

Priebe & Sons, Inc., Chicago, Ill. Dressed poultry and eggs. 200,420; June 30; Serial No. 206,749; published Apr. 14, 1925.

Propp, M., Co., The, New York, N. Y. Electric sockets. 200,203; June 30; Serial No. 191,570; published Apr. 21, 1925.

Propp, M., Co., The, New York, N. Y. Miniature-electric-light clusters. 200,204; June 30; Serial No. 191,569; published Apr. 21, 1925.

Punctual Pharmacals. (See Lowry, William J.)

Pusgo Company. (See Miller, Thomas C.)

Pyramid Button Co., Providence, R. I. Collar buttons which are made of or plated with precious metals. 200,241; June 30; Serial No. 209,940; published Apr. 14, 1925.

Radio Service Inc., Peekskill, N. Y. Radio receiving sets. 200,193; June 30; Serial No. 203,388; published Apr. 14, 1925.

Radiotive Corporation, Brooklyn, N. Y. Radio loud speakers. 200,195; June 30; Serial No. 203,006; published Apr. 21, 1925.

Radway & Company, New York, N. Y. Preparation for the treatment of dyspepsia, indigestion, etc. 200,227; June 30; Serial No. 205,548; published Apr. 7, 1925.

Rand Sanatorium Company, The, Atwood, Kans. Multigermicides, blood and nerve correctives. 200,337; June 30; Serial No. 210,082; published Apr. 14, 1925.

Red Dragon Laboratories. (See Wynne, Clarence P.)

Red Seal Mills. (See Hyman, L., & Sons.)

Reefer, Eugene J. (See Sullivan, Marguerite, assignor.)

Reid-Seeley Company, Inc., The, New York, N. Y. Chemical stain remover and cleaner and nap raiser for fabrics. 200,462; June 30; Serial No. 206,375; published Apr. 21, 1925.

Resas, Inc., New York, N. Y. Radio receiving sets. 200,370; June 30; Serial No. 204,979; published Apr. 21, 1925.

Richards, Dr., Dyspepsia Tablet Association, New York, N. Y. Medicinal preparation for use as a general tonic. 200,426; June 30; Serial No. 208,261; published Mar. 31, 1925.

Rinald Brothers Paint Works, Inc., Philadelphia, Pa. Varnishes, dry paints, paste paints, etc., and colors and dyes used in connection therewith. 200,463; June 30; Serial No. 206,190; published Apr. 21, 1925.

Rising, B. D., Paper Company, Housatonic, Mass. Bond, linen, ledger, wedding, and index Bristol papers. 46,378; renewed Sept. 19, 1926.

Rising, B. D., Paper Company, Housatonic, Mass. Bond, linen, ledger, wedding, and index Bristol papers. 46,972; renewed Oct. 17, 1925.

Rising, B. D., Paper Company, Housatonic, Mass. Bond, linen, ledger, wedding, and index Bristol papers. 47,710; renewed Nov. 14, 1925.

Rochambeau Import & Export Co., New York, N. Y. Perfumes. 200,230; June 30; Serial No. 195,539; published Feb. 17, 1925.

Rogers, H. L., Co., Inc., New York, N. Y. Tobacco pouches, cigar, cigarette, and pipe cases, and humidors. 200,366; June 30; Serial No. 206,977; published Apr. 21, 1925.

Ross, Sydney, Co., The, Newark, N. J. Preparations for the treatment of bowel and liver diseases. 200,223–4; June 30; Serial Nos. 207,634–5; published Mar. 31, 1925.

Rumo, Louis, doing business as R. Louis, New York, N. Y. Transformations and wigs. 200,415; June 30; Serial No. 207,406; published Apr. 7, 1925.

Ryan, James F., Diagonal, Iowa. Preparation for the treatment of eczema and dandruff. 200,356; June 30; Serial No. 209,108; published Mar. 31, 1925.

Sacol Laboratory, Brooklyn, N. Y. Condition and tonic tablets for dogs. 200,350; June 30; Serial No. 208,613; published Apr. 7, 1925.

Safety Electric Products Co., Los Angeles, Calif. Externally-operated electrical switches, switchboards, etc. 200,206; June 30; Serial No. 188,984; published Apr. 21, 1925.

St. Edward Mills. (See Nebraska Consolidated Mills Company.)

Salerni, Rocco, doing business as The Salerni Co., Astoria, N. Y. Strings for harps and violins and similar stringed musical instruments. 200,393; June 30; Serial No. 209,002; published Apr. 21, 1925.

Sands, Taylor & Wood Company, Somerville, Mass. Wheat flour. 200,247; June 30; Serial No. 209,000; published Apr. 21, 1925.

Sands, Taylor & Wood Company, Somerville, Mass. Wheat flour. 200,271–2; June 30; Serial Nos. 209,003–4; published Apr. 21, 1925.

Sands, Taylor & Wood Company, Somerville, Mass. Wheat flour. 200,392; June 30; Serial No. 209,005; published Apr. 21, 1925.

Sargent, Alexis D. (See Shedd, Freeman B., assignor.)

Sargent, Mortimer W., East Orange, N. J. Hand lotion. 200,442; June 30; Serial No. 195,093; published Jan. 1, 1924.

Sayles Finishing Plants, Inc., Saylesville, R. I. Cotton piece goods. 200,205; June 30; Serial No. 189,526; published Apr. 21, 1925.

Saylor, M. C., & Co., Brooklyn, N. Y. Radio reproducers—namely, loud speakers, etc. 200,255; June 30; Serial No. 207,407; published Apr. 14, 1925.

Scanlon, Paul J., doing business as Checker Chemical Company, Boston, Mass. Boiler and radiator liquids. 200,437; June 30; Serial No. 206,492; published Jan. 20, 1925.

Scholl Manufacturing Company, Inc., Chicago, Ill. Shoes, boots, and slippers. 200,374; June 30; Serial No. 199,253; published Apr. 7, 1925.

Scientific Products, Inc., Chicago, Ill. Chocolated cod-liver oil for food purposes. 200,225; June 30; Serial No. 208,597; published Apr. 7, 1925.

Scientific Research Laboratories. (See Learned, W. R.)

Severa, Waclav F., assignor to W. F. Severa Co., Cedar Rapids, Iowa. Certain named medicines and toilet preparations. 26,635; renewed June 4, 1926.

Sexton, John, and Company, Chicago, Ill. Fruit marmalades, butters, preserves, and jellies, cranberry sauce, etc. 200,207; June 30; Serial No. 187,898; published Apr. 7, 1925.

Sexton, John, and Company, Chicago, Ill. Rice, prepared mustard, and tomato catchup. 200,324; June 30; Serial No. 187,773; published Apr. 14, 1925.

Sharf, Charles, Lowell, Mass. Ice cream. 200,223; June 30; Serial No. 203,658; published Apr. 14, 1925.

Sharples Specialty Co., The, Philadelphia, Pa. Centrifugal machines. 200,389; June 30; Serial No. 209,180; published Apr. 7, 1925.

Shedd, Freeman B., doing business as E. W. Hoyt & Co., assignor to A. D. Sargent, Lowell, Mass. Dentifrices. 46,144; renewed Sept. 5, 1925.

Sherman and Company, New York, N. Y. Evaporated milk. 200,410; June 30; Serial No. 208,078; published Apr. 14, 1925.

Singer, Marcos, assignor to X-Apt Radio Corporation, New York, N. Y. Vernier dials for radio apparatus. 200,250; June 30; Serial No. 208,264; published Apr. 14, 1925.

Stein and Blaine, New York, N. Y. Perfumes. 200,213; June 30; Serial No. 209,878; published Apr. 7, 1925.

Stein, S. & Co., New York, N. Y. Woolen goods. 200,481–3; June 30.

Sterling Manufacturing Company, The, Cleveland, Ohio. Electrical apparatus. 200,474; June 30.

Stevens & Thompson Paper Co., New York, N. Y. Plates, cups, saucers, etc. 200,293; June 30; Serial No. 198,888; published Dec. 23, 1924.

Stieff, Chas. M., Inc., Baltimore, Md. Pianos. 200,475; June 30.

Smith, D. C., Kane, Pa. Hair grower. 200,489; June 30; Serial No. 208,609; published Mar. 31, 1925.

Smith, Kline & French Company, Philadelphia, Pa. Medicine for bronchitis, etc. 200,357; June 30; Serial No. 209,008; published Mar. 31, 1925.

Societe Anonyme des Gants Buscarlet, Paris, France. Leather gloves. 200,331; June 30; Serial No. 192,044; published Apr. 14, 1925.

Standard Remedy Company, The, Baltimore, Md. Analgesic balm. 200,306; June 30; Serial No. 209,436; published Apr. 14, 1925.

Stanley Works, The, New Britain, Conn. Vises, bit braces, breast drills, etc. 200,486; June 30.

Stein, Abraham, Washington, D. C. Shoe soles. 200,391; June 30; Serial No. 209,069; published Apr. 14, 1925.

Strawbridge & Clothier, Philadelphia, Pa. Pianos. 200,479; June 30.

Sullivan, Marguerite, doing business as Domino House, assignor to E. J. Reefer and said Marguerite Sullivan, copartners, doing business as Domino House, Philadelphia, Pa. Complexion clay. 200,235; June 30; Serial No. 164,337; published Mar. 31, 1925.

Sultan, Ernest J., Manufacturing Co., The, San Francisco, Calif. Davenports, chairs, tables, etc. 200,303; June 30; Serial No. 209,820; published Apr. 7, 1925.

Sunshine, Jacob, doing business as Preventosan Laboratories, New York, N. Y. Preventives for venereal diseases. 200,262; June 30; Serial No. 209,505; published Apr. 7, 1925.

Suomen Valtamerentakainen Kauppa Oy, Helsingfors, Finland. Wheat flour. 200,276–7; June 30; Serial Nos. 208,439–40; published Apr. 21, 1925.

Sutbo Co., Indianapolis, Ind. Skin lotion. 200,274; June 30; Serial No. 208,492; published Mar. 10, 1925.

Swartzbaugh Manufacturing Company, The. (See Toledo Cooker Co.)

Tenenbaum, J., & Sons, New York, N. Y. Ladies' hats. 200,489; June 30.

Textile Finishing Products, Inc., Saylesville, R. I. Preparations for softening the fiber of textile fabrics. 200,210; June 30; Serial No. 210,022; published Apr. 7, 1925.

Thayer, N. B., & Co. (See Gordon, Louis W., Co., assignee.)

Tiffany Manufacturing Company, Newark, N. J. Automobile parking lamps, signal lamps, etc. 200,253; June 30; Serial No. 207,808; published Apr. 14, 1925.

Toledo Cooker Co., The, by change of name now known as The Swartzbaugh Manufacturing Co., Toledo, Ohio. Electric hot plates, percolators, fireless cookers, etc. 200,487; June 30.

Trampe Spark Plug Co., Inc., St. Louis, Mo. Spark plugs. 200,398; June 30; Serial No. 208,790; published Apr. 21, 1925.

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 200,447–8; June 30; Serial Nos. 210,102–3; published Apr. 21, 1925.

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 200,449–52; June 30; Serial Nos. 210,097–100; published Apr. 21, 1925.

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 200,454; June 30; Serial No. 210,096; published Apr. 21, 1925.

Turner Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 200,455; June 30; Serial No. 210,093; published Apr. 21, 1925.

Tutt, Dr., Mfg. Co., assignee to H. H. Good, doing business as Dr. Tutt Mfg. Co., New York, N. Y. Liver pills. 45,691; renewed Aug. 29, 1925.

Udell Works, The, Indianapolis, Ind. Talking machines. 200,290; June 30; Serial No. 201,117; published Apr. 21, 1925.

Ukemco Corporation, New York, N. Y. Shampoo preparation. 200,231; June 30; Serial No. 194,033; published Apr. 7, 1925.

Ukemco Corporation, doing business as Gibson-Howell Company, Inc., New York, N. Y. Cold cream, hair tonic, and dandruff remedy. 200,436; June 30; Serial No. 205,499; published Apr. 7, 1925.

Union Starch & Refining Company, Columbus, Ind. Corn and sugar sirup. 200,321; June 30; Serial No. 208,916; published Apr. 14, 1925.

U-Profit Manufacturing Co. Inc., New York, N. Y. Men's caps and hats. 200,388; June 30; Serial No. 209,256; published Apr. 7, 1925.

Vanity Fair Silk Mills, Reading, Pa. Underwear consisting of vests, bloomers, knickerbockers, etc. 200,192; June 30; Serial No. 204,641; published Apr. 14, 1925.

Vermont Farm Machinery Company, Bellows Falls, Vt. Clothes-washing machines and wringer mechanisms. 200,244; June 30; Serial No. 209,112; published Apr. 14, 1925.

Victory Sparkler & Specialty Company, Elkton, Md. Sparklers, sun wheels, snakes, etc. 200,248; June 30; Serial No. 208,366; published Apr. 21, 1925.

Vlias, Fred L., doing business as La Cara Food Company, Pierre, S. Dak. Infants' food. 200,302; June 30; Serial No. 209,824; published Apr. 14, 1925.

Vim Chain Stores. (See Olmsted, Leon A.)

Wagner, Theodore B., New York, N. Y. Nutrition salt. 200,316; June 30; Serial No. 206,045; published Apr. 14, 1925.

Wanamaker, John, New York, N. Y. Radio receiver sets, radio A storage batteries, etc. 200,254; June 30; Serial No. 207,422; published Apr. 14, 1925.

Waterbury Clock Company. (See Ingersoll, Robt. H., & Bro., assignor.)

Watkins, Frederick A., doing business as The Colytt Laboratories, Chicago, Ill. Telephone mouth pieces. 200,362; June 30; Serial No. 206,327; published Apr. 21, 1925.

Watkins, J. R., Co., The, Winona, Minn. Liquid face powders. 200,486; June 30.

Weaver-Jackson Co. Inc., Los Angeles, Calif. Hair dye. 200,466; June 30.

Webster-Butterfield Company, The, Baltimore, Md. Catchup, jelly, and canned goods. 200,467; June 30.

Weeks, Frank A., New York, N. Y. Pencil and cleaning composition erasers. 45,607; renewed Aug. 22, 1925.

Weill, Raphael, and Company, Inc., San Francisco, Calif. Women's hats. 200,194; June 30; Serial No. 203,068; published Apr. 14, 1925.

Weingartzs Bros., New York, N. Y. Brassières, girdles, corsets, etc. 200,390; June 30; Serial No. 209,114; published Apr. 14, 1925.

Wellston Bottling Works. (See Guyton, Frank.)

Whelan, Omer G., Richmond, Ind. White and yellow corn meal, graham flour, etc. 200,371; June 30; Serial No. 208,215; published Apr. 21, 1925.

White Dove Flour Mills. (See New Athens Milling Co.)

Wilcox-Hayes Co., The, Portland, Oreg. Wheat flour. 200,283; June 30; Serial No. 207,699; published Apr. 21, 1925.

Willey, C. A., Company, Long Island City, N. Y. Lacquers, ready-mixed paints, varnishes etc. 200,488; June 30; Serial No. 208,883; published Apr. 21, 1925.

Williamson, Harry A., Denver, Colo. Facial creams. 200,216; June 30; Serial No. 200,259; published Apr. 7, 1926.

Wilton Manufacturing Company, Inc., New York, N. Y. Cotton piece goods. 200,191; June 30; Serial No. 205,970; published Apr. 21, 1925.
Windsor, Mrs. G. H. (See Budden, Lucy.)
Wireless Resistor Company of America, The, now American Resistor Company, Milwaukee, Wis. Resistors and resistance units for rheostats, electric driers, etc. 200,201; June 30; Serial No. 193,693; published Apr. 14, 1925.
Wonder Chemical Company. (See Girouard, Arthur, J.)
Wynne, Clarence P., doing business as Red Dragon Laboratories, Scranton, Pa. Penetrating application for aches, sprains, etc. 200,246; June 30, Serial No. 209,520; published Apr. 14, 1925.
X-Art Radio Corporation. (See Singer, Marcus, assignor.)
Yvetti Co., New York, N. Y. Hair goods. 200,298; June 30; Serial No. 210,262; published Apr. 7, 1925.

ALPHABETICAL LIST OF REGISTRANTS OF LABELS.

American Cyanamid Company, New York, N. Y. Cyanogas. For a Powdered Fumigant Which Liberates a Poisonous Gas in the Air. 28,861; June 30.
Beauty Products Company, San Antonio, Tex. Brille Glemcomb. For a Liquid Preparation for the Hair. 28,868; June 30.
Blue Diamond Company, Los Angeles, Calif. Blue Diamond. For Elastic Stucco. 28,864; June 30.
Brechet & Richter Co., Minneapolis, Minn. Concentrated Imitation Fruit Nectar. For Concentrated Soft Drink Preparations. 28,865; June 30.
Bucher, Wilson G., Marietta, Pa. Bucher's Mexi Salve. For a Salve. 28,866; June 30.
Burkhardt Corporation, Roxbury, Boston, Mass. Ye King's Pale. For a Beverage. 28,867; June 30.
Case & Martin Company, Chicago, Ill. Tea Room Pies. For Pies. 28,868; June 30.
Challenge Cream and Butter Association, Los Angeles, Calif. Challenge. For Butter. 28,869; June 30.
Chetelat, André, Co., Baltimore, Md. Mocha-Chocolata. For a Compound for Making Beverages. 28,962; June 30.
Citron, Abraham, doing business as Dr. Voulsky's Mfg. Co., Philadelphia, Pa. Dr. Voulsky's Russian White Liniment. For Liniment. 28,870; June 30.
Citrus Products Co., Chicago, Ill. Frozen Sucker. For Frozen Confections. 28,871; June 30.
Clover Meadow Creamery Co., The, Cleveland, Ohio. Clover Meadow. For Dairy Products, Particularly Milk. 28,872; June 30.
Clover Meadow Creamery Co., The, Cleveland, Ohio. Clover Meadow. For Dairy Products, Particularly Milk. 28,873; June 30.
Covina Citrus Association, Covina, Calif. Cougar. For Oranges. 28,874; June 30.
Covina Citrus Association, Covina, Calif. Red C. For Oranges. 28,875; June 30.
De Vol Drug Company, Columbus, Ohio. English's Cold and Grippe Capsule. For Cold and Grippe Remedy. 28,876; June 30.
Diamond, Joseph, Jacksonville, Fla. Diamond's Rheumatism Powders. For Rheumatism Powders. 28,877; June 30.
Hynd, A. C., Buffalo, N. Y. A. C. Hynd's Germicide Skin Ku-Rill. For a Preparation for the Face and Skin. 28,878; June 30.
Ima Products Corp., Los Angeles, Calif. Ima. For a Cleaner. 28,879; June 30.
Interstate Iron & Steel Company, Chicago, Ill. Angeta. For Screws. 28,880; June 30.
Interstate Iron & Steel Company, Chicago, Ill. Angeta. For Screws. 28,881; June 30.
Lantz Bros. Baking Co., St. Louis, Mo. Grandma's Raisin Pound Cake. For Raisin Pound Cake. 28,882; June 30.
Lantz Bros. Baking Co., St. Louis, Mo. Grandma's Spiced Fruit Cake. For Spiced Fruit Cake. 28,883; June 30.
Lantz Bros. Baking Co., St. Louis, Mo. Grandma's Nut Pound Cake. For Nut Pound Cake. 28,884; June 30.
Lantz Bros. Baking Co., St. Louis, Mo. Grandma's Cake. For Cake. 28,885; June 30.
Madder, William B., St. Louis, Mo. Freezoleum Headache Plasters. For Headache Plasters. 28,886; June 30.
Meister Candy Company, Cambridge, Wis. Ike's Mike The Candy You Like. A Meister Product Made in the Country. For Candy Bars. 28,887; June 30.
Meister Candy Company, Cambridge, Wis. Meister's Ace High. For Candy Bars. 28,888; June 30.
Menasha Printing and Carton Company, Menasha, Wis., assignor to Twin City Cooperative Egg & Poultry Association, St. Paul, Minn. Twin City. For Eggs. 28,889; June 30.
Menasha Printing and Carton Company, Menasha, Wis., assignor to C. A. Van Deusen Company, Hudson, N. Y. Meadowbrook. For Eggs. 28,890; June 30.
Metal Products Company, Des Moines, Iowa. Fitzwel Ford Car Fender Brace. For Fender Braces for Ford Cars. 28,891; June 30.
Mission Provision Co., San Antonio, Tex. Juanita. For Pure Lard. 28,892; June 30.
National Carbon Company, Inc., New York, N. Y. Eveready Columbia Hot Shot. For Electric Batteries. 28,893; June 30.
National Carbon Company, Inc., New York, N. Y. Eveready Columbia Ignitor. For Electric Batteries. 28,894; June 30.
Newcastle Fruit Growers Association, Newcastle, Calif. Covered Wagon. For Fresh Deciduous Fruits. 28,895; June 30.
Olive Heights Citrus Association, Olive, Calif. Atlas. For Oranges. 28,896; June 30.
Olive Heights Citrus Association, Olive, Calif. Mount of Olive. For Oranges. 28,897; June 30.
Olive Heights Citrus Association, Olive, Calif. Hector. For Oranges. 28,898; June 30.
Olive Heights Citrus Association, Olive, Calif. Troy. For Oranges. 28,899; June 30.
Pauley, Charles V., New Canaan, Conn. Tree Paint. For Tree Paint. 28,900; June 30.
Port-O, Inc., Portland, Oreg. Jelly Fruit. For Receptacles Containing a Jelly Base. 28,901; June 30.
Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow. For Canned Artichokes. 28,902; June 30.
Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow. For Canned Sweet Potatoes. 28,903; June 30.
Pratt-Low Preserving Company, Santa Clara, Calif. Prattlow. For Canned Hearts of Artichokes. 28,904; June 30.
Pro-Phy-Lac-Tic Brush Company, Northampton, Mass. Pro-phy-lac-tic Tooth Brush. For Tooth Brushes. 28,905; June 30.
Quoloil Corporation, New York, N. Y. Quoloil. For Fuel Oil Burners and Linings and on Containers of Fuel Oil. 28,906; June 30.
Ruehl, William, Milwaukee, Wis. Nimsmore Real Coffee, Ruehl Method. For Coffee. 28,907; June 30.
Sonnenberg Bros. Inc., New York, N. Y. Chatham Special. For Cigars. 28,908; June 30.
Tonkin Distributing Co., San Francisco, Calif. Banner Bouquet. For Nonalcoholic Cocktails. 28,909; June 30.
Twin City Cooperative Egg & Poultry Association. (See Menasha Printing and Carton Company, assignor.)
Van Deusen, C. A., Company. (See Menasha Printing and Carton Company, assignor.)
Voulsky's, Dr., Mfg. Co. (See Citron, Abraham.)
Wheeler & Metter Mercantile Company, St. Joseph, Mo. Miss Society Ladies Pure Thread Silk Hose. For Ladies Hosiery. 28,910; June 30.

ALPHABETICAL LIST OF REGISTRANTS OF PRINTS.

American Lead Pencil Company, New York, N. Y. Unique Thin Lead Colored Pencils C-55. For Colored Pencils. 8,025; June 30.
American Lead Pencil Company, New York, N. Y. Blue Band Velvet Pencils C-53. For Lead Pencils. 8,026; June 30.
B. V. D. Company, Inc., The, New York, N. Y. Not Exactly Dressed—But Well-Dressed Just the Same. For Athletic Underwear. 8,027; June 30.
B. V. D. Company, Inc., The, New York, N. Y. It all Comes Out in the Wash. For Athletic Underwear. 8,028; June 30.
B. V. D. Company, Inc., The, New York, N. Y. The Test of Time. For Athletic Underwear. 8,029; June 30.
B. V. D. Company, Inc., The, New York, N. Y. Blessings on Thee "B. V. D." in These Hot Summer Days! For Athletic Underwear. 8,030; June 30.
B. V. D. Company, Inc., The, New York, N. Y. What Men Know Without Studying. For Athletic Underwear. 8,031; June 30.
B. V. D. Company, Inc., The, New York, N. Y. Which Would You Have Him Say to Himself? For Athletic Underwear. 8,032; June 30.

B. V. D. Company, Inc., The, New York, N. Y. Get the Underwear you ask for. For Athletic Underwear. 8,033; June 30.
Cream of Wheat Co., Minneapolis, Minn. Says Judge Elbert H. Gary "In the business of keeping fit my first care is a simple diet." For Wheat Breakfast Food. 8,034; June 30.
Goodyear Tire & Rubber Company, The, Akron, Ohio. Good Tires Deserve Good Tubes Good—(Wingfoot)—Year Tubes. For Inner Tubes for Pneumatic Tires Composed Wholly or in Part of Rubber. 8,035; June 30.
Jell-O Company, Inc., The, Le Roy, N. Y. Fruited Jell-O. For Jell-O, a Dessert Preparation. 8,036; June 30.
Jell-O Company, Inc., The, Le Roy, N. Y. The Answer to the Demand. For Jell-O, a Dessert Preparation. 8,037; June 30.
Marathon Rubber Company, Inc., Akron, Ohio. Marathon Tires—for endurance—for speed—etc. For Vehicle Tires Composed Wholly or in Part of Rubber. 8,039; June 30.
McAvoy, Emily C., Chicago, Ill. McAvoy. For Gowns, Suits, Wraps, Furs, Millinery. 8,038; June 30.
Mendenhall, Edward E., Mankota, Minn. Black Gopher. For Coal. 8,040; June 30.
Randolph Marketing Company, Riverside, Calif. The Brand That Suits in Citrus Fruits. For Fresh Citrous Fruits. 8,041; June 30.
Schmickl-Bryon, Inc., New York, N. Y. Train Box. For Luggage. 8,042; June 30.
Spiegel, Harry W., New York, N. Y. Scotchie Bow. For Men's Neckwear. 8,043; June 30.
Squibb, E. R., & Sons, New York, N. Y. Squibb Week Starts tomorrow! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salt. 8,044; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Hundreds of thousands of people. For Dental Cream. 8,045; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. The Demand for Squibb's Dental Cream. For Dental Cream. 8,046; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Yes—most teeth decay can be prevented. For Dental Cream. 8,047; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Only a skilled dentist can cure pyorrhea. For Dental Cream. 8,048; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Squibb's Dental Cream. For Dental Cream. 8,049; June 30.
Squibb, E. R., & Sons, New York, N. Y. Squibb Week Only 3 days left to get this Squibb Service Package—free. For Dental Cream. 8,050; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Million of men demand this protection every day. For Dental Cream. 8,051; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Three Years Ago. For Dental Cream. 8,052; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. What millions of women have learned. For Dental Cream. 8,053; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Tonight—will your teeth have this protection? For Dental Cream. 8,054; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. This Morning. For Dental Cream. 8,055; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. What The Danger Line means to you. For Dental Cream. 8,056; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Another Reason. For Dental Cream. 8,057; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. Your little ones. For Dental Cream. 8,058; June 30.
Squibb, E. R., & Sons, New York, N. Y. Constant Vigilance. For Dental Cream. 8,059; June 30.
Squibb, E. R., & Sons, New York, N. Y. This Week is Squibb Week—this Squibb Service Package for your medicine cabinet! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salt. 8,060; June 30.
Squibb, E. R., & Sons, New York, N. Y. I fink you'll be better tomorrow. For Household Products—Bicarbonate of Soda, Epsom Salt, Castor Oil, Boric Acid, Milk of Magnesia, Dental Cream, Saccharin Tablets, Extract of Vanilla. 8,061; June 30.
Squibb, E. R., & Sons, New York, N. Y. The Danger Line warns of peril. For Dental Cream. 8,062; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. This morning millions of men. For Dental Cream. 8,063; June 30.
Squibb, E. R., & Sons, New York, N. Y. Practice Precaution. For Dental Cream. 8,064; June 30.
Squibb, E. R., & Sons, doing business as Squibb's, New York, N. Y. If you want your children to brush their teeth regularly. For Dental Cream. 8,065; June 30.
Strombeck-Becker Mfg. Co., Moline Ill. Plate No. 2. For No. 2 Diamoblox—Namely an Instructive Game. 8,066; June 30.
Wolff, Zella, Mexia, Tex. Penny Odd. For Coffee. 8,067; June 30.

ALPHABETICAL LIST OF TRADE-MARK APPLICANTS.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Abbott Laboratories, Chicago, Ill. Medicinal preparations to allay cough. 194,685; June 30.
Abraham & Straus, Inc., New York, N. Y. Coats and dresses for women and misses. 213,154; June 30.
Abrams, Wm., New York, N. Y. Union suits, underwear, pyjamas, shirts and blouses. 208,887; June 30.
Acme Brick Company, Fort Worth, Tex. Brick. 213,347; June 30.
Allen, Joseph B., doing business as Pax-O-Vees Products Company, Memphis, Tenn. Tonics. 212,846; June 30.
American Chain Company, Inc., New York, N. Y., and Bridgeport, Conn. Snubbers and shock absorbers for automobiles. 213,473; June 30.
Apex Hosiery Company, Inc., Philadelphia, Pa. Silk hosiery. 213,882; June 30.
Artmart Linen Co., Inc., New York, N. Y. Decorative linens. 210,398; June 30.
Bachman Chocolate Manufacturing Company, Mount Joy, Pa. Candy. 214,391; June 30.
Bailis Bros., Mount Vernon, N. Y. Beverages. 213,681; June 30.
Baker-Bolin Company, The, Cleveland, Ohio. Barley-malt extract. 210,622; June 30.
Ballard & Ballard Co., Louisville, Ky. Self-rising flour. 108,785; June 30.
Banks, Frederic S., doing business as F. S. Banks & Co., New York, N. Y. Footballs, basket balls, soccer balls, etc. 195,325; June 30.
Barber Asphalt Company, The, Philadelphia, Pa. Starters for strip shingles. 213,474; June 30.
Bay City Milling Company, Bay City, Mich. Malt syrup for food purposes. 211,738; June 30.
Beech-Nut Packing Company, Canajoharie, N. Y. Candies. 194,042; June 30.
Bell Remedy Co., Stoughton, Mass. Pile-remedy salve. 214,007; June 30.
Beadiner & Schlesinger. (See Schlesinger, Maurice F.)
Berger, Harry, doing business as Harry Berger Shirt Company, New York, N. Y. Collars, pajamas, nightrobes, etc. 212,315; June 30.
Bia-Shone Hosiery Corporation, Philadelphia, Pa. Hosiery. 213,618; June 30.
Blumenthal, Sidney & Co. Inc., New York, N. Y. Pile fabrics in the piece. 214,283; June 30.
Booth Fisheries Company, Chicago, Ill. Canned salmon. 213,949; June 30.
Brewer, Walpole, Atlanta, Ga. Swagger sticks. 213,688; June 30.
Brownlee, Roy H., Pittsburgh, Pa. Dentifrice 213,951; June 30.
Brunworth & Goins, Pasadena, Calif. Artificial fish bait. 213,158; June 30.
Buckley, Herbert M., Tooting, London, England. Hats or caps. 211,827; June 30.
Buckley, W. K. Limited, Toronto, Canada. Remedies for asthma, catarrh, colds, croup, etc. 212,997; June 30.
Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft, Berlin, Germany. Dissolvents, lactic acid, lactates, etc. 204,891; June 30.
California Optical Company, San Francisco, Calif. Ophthalmic lenses and eyeglass frames. 212,591; June 30.
Carbondale Machine Company, The, Carbondale, Pa. Ammonia condensers for refrigerating apparatus. 212,119; June 30.
Cavalieri, Lina, Neuilly-sur-Seine, France. Face, hand, and skin lotions, and milks, etc. 206,345; June 30.
Cayton, Bert A., doing business as Me-Ton Medicine Company, Indianapolis, Ind. General tonic and oil liniment. 212,592; June 30.
Chappell, William R., doing business as Universal Cover Fastener Company, New York, N. Y. Nettings, scrims, marquisettes, and mosquito-net canopies. 213,529-30; June 30.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Charabot & Cie., Grasse, France. Natural oils and other extraction products derived from flowers, leaves, etc. 210,159; June 30.
Chemische Fabrik Pott & Co., Dresden, Germany. Preparations for treating textile fibers and fabrics. 196,436; June 30.
Chicago Roller Skate Company, Chicago, Ill. Recoil checks for motor-driven vehicles. 211,782; June 30.
Coast Manufacturing Supply Company, Livermore, Calif. Preparation for sealing the joints of safety fuse and caps used in blasting operations. 209,720; June 30.
Colonial Chemical Corporation, Reading, Pa. Prophylactic ointment. 213,488; June 30.
Continental Paper & Bag Mills Corporation, New York, N. Y. Wrapping paper. 214,202; June 30.
Copperweld Steel Company, Pittsburgh and Rankin, Pa. Metal in sheet, rod, strap, ribbon, hoop, band, and wire form. 210,440; June 30.
Cortes, Edmund, New York, N. Y. Fly killer in liquid form. 214,237; June 30.
Cosmic Arts, Inc., New York, N. Y. Perfumery and cosmetics. 213,617–23; June 30.
Cosmo Cosmetic Corporation, Inc., New York, N. Y. Lip rouge. 209,156; June 30.
Crawford, Merritt, New York, N. Y. Motion-picture trade paper. 214,531; June 30.
Dotties, Baking Company. (See Hochstein, Louis I.)
Drew, Irving, Company, The, Portsmouth, Ohio. Boots, shoes, and slippers. 211,272; June 30.
Ducharme, Ephrem, Chicopee Falls, Mass. Beverages. 213,702; June 30.
Duluth Universal Milling Company, Duluth, Minn. Wheat flour. 211,020; June 30.
Eaton, Charles A., Company, Brockton, Mass. Leather, fabric, and combination leather and fabric shoes. 213,166; June 30.
Enterprise Manufacturing Company, The, Akron, Ohio. Fish stringers. 213,627; June 30.
Eureka Pyorrhea Products Co., Tulsa, Okla. Dentifrice. 214,204; June 30.
Fair Play Caramels, Inc., Johnson City, N. Y. Candy. 206,231; June 30.
Federal Mill & Elevator Co., Inc., Lockport, N. Y. Wheat flour. 213,290; June 30.
Federated Cereal Mills of America, Owensboro, Ky. Egg mash, scratch feed, hog drops, etc. 206,389; June 30.
Finley, Gerald G., Topeka, Kans. Milk. 212,549; June 30.
Fisher, A. C., & Co. Inc., New York, N. Y. Ladies' hand bags. 213,434; June 30.
Fredrikstad Preserving Co., Fredrikstad, Norway. Canned herrings. 202,940; June 30.
Gall, Oakley & Allen, Inc., Long Island City, N. Y. Ready-mixed paint. 213,563; June 30.
Garfinkel & Ritter, New York, N. Y. Silk crêpe. 211,675; June 30.
Gates, Robert J., New York, N. Y. Preparation for removing hair. 213,565; June 30.
Glengalr Company, Franklin, N. H. Hosiery. 212,079; June 30.
Gold Star Products Co., The, Detroit, Mich. Malt sirup. 211,842; June 30.
Goodlatte, F. R., & Sons (Inc.), Delawanna, N. J. Table coverings of oilcloth and oiled-cloth-type materials. 214,475; June 30.
Grant, W. T., Company, Lynn, Mass., and New York, N. Y. Sanitary napkins. 212,179; June 30.
Great Northern Mfg. Co., Chicago, Ill. Weighing scales. 212,606; June 30.
Griffith-Durney Co., San Francisco, Calif. Canned fruit and pineapple. 213,076; June 30.
Griffith-Durney Co., San Francisco, Calif. Canned fruit, vegetables, and pineapple. 213,077; June 30.
Griffith-Durney Co., San Francisco, Calif. Canned fruits, vegetables, pineapple, and sardines. 213,078; June 30.
Griffith-Durney Co., San Francisco, Calif. Canned pineapple. 213,235; June 30.
Haarmann Vinegar & Pickle Co., Omaha, Nebr. Vinegar, chowchow, pickles, etc. 211,742–3; June 30.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, wool, and cotton. 213,966; June 30.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, wool, and cotton. 213,968; June 30.
Haas Brothers Fabrics Corporation, New York, N. Y. Piece goods made of silk, wool, and cotton. 214,414; June 30.
Haas-Heid Co., Kansas City, Mo. Ladies' hats. 189,050; June 30.
Haldinstein, George E., doing business as P. Haldinstein & Sons, Norwich, England. Boots and shoes. 198,865; June 30.
Hanifen, John E., Company, Philadelphia, Pa. Underwear. 212,808; June 30.
Herrmann Handkerchief Co. Inc., The, New York, N. Y. Handkerchiefs. 207,133; June 30.
Hochstein, Louis I., doing business as Dotties Baking Company, New York, N. Y. Home-made cakes. 207,589; June 30.
Huiskamp Bros. Co., The, Keokuk, Iowa. Boots, shoes, and oxfords. 194,349; June 30.
Hunt, Charles A., doing business as The Myles Hunt Chemical Co., Detroit, Mich. Medicine for the treatment of leucorrhea. 196,916; June 30.
Jameson-Hevener Company, St. Paul, Minn. Grass, garden, and field seeds. 213,175; June 30.
Jenkins, William P., Dayton, Ohio. Blood alterative and tonic. 213,902; June 30.
Julian & Kokenge Company, The, Cincinnati, doing business as The Lape & Adler Company, Columbus, Ohio. Boots and shoes. 212,143; June 30.
Kajutol Laboratories. (See Skala, L. F.)
Katzman, Louis, New York, N. Y. Musical compositions. 213,974; June 30.
Keehn Brothers, Chicago, Ill. Shoes. 214,021; June 30.
Kenny, C. D., Co., Baltimore, Md. Tea. 210,965; June 30.
Kirschbaum, A. B., Company, Philadelphia, Pa. Men's and young men's outer suits and overcoats. 212,927–30; June 30.
Kohrs Packing Company, Davenport, Iowa. Sausage. 214,426; June 30.
Kulek, Jakow, New York, N. Y. Medical compounds for rheumatism, headache, cold, etc. 212,148; June 30.
Lape & Adler Company, The. (See Julian & Kokenge Company.)
Legg, John A., Pontiac, Mich. Shoes. 212,820; June 30.
Leuffen, C., & Co., Fabrik Chem. und Pharm. Preparate, Eitorf-on-the-Sieg, Germany. Liniment for the treatment of nervous disorders, neuralgia, rheumatism, etc. 210,913; June 30.
Licht, Abraham M., doing business as Sek-Kil-O Chemical Company, St. Louis, Mo. Evaporating crystals. 212,742; June 30.
Licht, Abraham M., doing business as Sek-Kil-O Chemical Company, St. Louis, Mo. Disinfectants. 212,743; June 30.
Lippman & Adasko, New York, N. Y. Suits and topcoats. 213,847; June 30.
Lisman, F. J., & Co., New York, N. Y. Magazine. 213,585; June 30.
Ljungs Chocolad- & Cacao-Fabrik, Malmo, Sweden. Chocolate and cocoa. 209,929; June 30.
Lorraine Manufacturing Co., Pawtucket, R. I. Fabrics of artificial silk and cotton in the piece. 213,445; June 30.
Lysol, Incorporated, New York, N. Y. Ointment employed in the treatment of skin eruptions and local irritations. 210,489; June 30.
Macfadden Publications Incorporated, New York, N. Y. Monthly magazine. 214,027; June 30.
Macy, R. H., & Co. Inc., New York, N. Y. Rugs. 213,181; June 30.
Mahon, Robert H., Vancouver, British Columbia, Canada. Wheat flour. 209,417; June 30.
Maillard, Henry, New York, N. Y. Candy. 213,086; June 30.
Mansfield Drug Co., Columbus, Ohio. Preparation for the treatment of liver and kidney disorders. 213,247; June 30.
McCready Publishing Company, New York, N. Y. Monthly trade publication. 213,909; June 30.
Methow-Pateros Growers, Inc., Pateros, Wash. Fresh apples. 214,[illegible]; June 30.
Metropolitan Paving Brick Company, The, Canton and Minerva, Ohio, and Bessemer, Pa. Building and paving bricks and blocks. 213,387; June 30.
Mettler Fruit Co., Shafter, Calif. Fresh grapes. 214,174; June 30.
Miller's, Jacob, Sons Co., Inc., Philadelphia, Pa. Silk goods, linen goods, and mixtures of linen and silk. 212,017; June 30.
Miner-Hillard Milling Co., Wilkes-Barre, Pa. Breakfast food. 207,624; June 30.
Milton Canning Company, Milton, Del. Canned vegetables and fruits. 213,025–6; June 30.
Monarch Mills, Union and Lockhart, S. C. Cotton piece goods. 214,264; June 30.
Morana Incorporated, New York, N. Y. Aromatic compounds suitable for perfumery purposes. 214,265; June 30.
Morse & Burt Co., Inc., Brooklyn, N. Y. Rubber heels. 211,943; June 30.
Mo-Ton Medicine Company. (See Cayton, Bert A.)
Murphy-Gorman Company, The, Danbury, Conn. Men's hats. 211,116; June 30.
New Diamond Point Pen Co. Inc., New York, N. Y. Fountain pens. 213,521; June 30.
Nielsen, Anders, doing business as Nielsen-Finn Dairy Company, Moline, Ill. Butter and eggs. 213,453; June 30.
Omega Chemical Company, The, New York, N. Y. Preparation for the treatment of rheumatism, lumbago, neuralgia, etc. 205,544; June 30.
Page, Joseph G., doing business as J. G. Page Chemical Co., Buffalo, N. Y. Hair dressing and tonic. 213,913; June 30.

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[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Parisian Chocolate Company. (See Vinikow, Joseph.)
Park Lane Corporation, New York, N. Y. Mineral water. 214,437; June 30.
Parker Brothers, Portland, Me., and Salem, Mass. Games. 213,898; June 30.
Parker Brothers, Portland, Me., and Salem, Mass. Games. 213,400; June 30.
Parr, Joseph A., Manchester, N. H. Medicinal preparation for dyspepsia, indigestion, sick headache, etc. 179,321; June 30.
Pensyl, A. E., Manufacturing Co., Spencer, Iowa. Cement. 213,857; June 30.
People's Monthly Company, Des Moines, Iowa. Periodical publications. 214,267; June 30.
Pet Milk Company, St. Louis, Mo. Evaporated milk. 211,120; June 30.
Pex-O-Vees Products Company. (See Allen, Joseph B.)
Philadelphia Tabloid Publishing Company, The, Philadelphia, Pa. Daily newspaper. 213,914; June 30.
Pierce, Louis H., doing business as L. H. Pierce Textile Company, Lebanon, Pa. Underskirts, bloomers, step-ins, etc. 211,123; June 30.
Pioneer Orchards. (See Westgard, Chris.)
Plant Bros. & Co., Portland, Me., and Manchester, N. H. Shoes. 212,828; June 30.
Qumas Medical Company, The, Toledo, Ohio. Medicines for colds and influenza. 213,916; June 30.
Rainbow Dairy Products Company. (See Utgard, Alfred H.)
Read, John T., Northampton, England. Boots and shoes. 214,615; June 30.
Regatta Manufacturing Co., Inc., Baltimore, Md. Athletic underwear. 213,101; June 30.
Remiller Co., The, New York, N. Y. Rouge. 213,920; June 30.
Rock River Woolen Mills, Chicago, Ill. Woolen goods in the piece. 214,181; June 30.
Roessler & Hasslacher Chemical Company, The, New York, N. Y. Hexamethylenetetramine, paraformaldehyde, aldehyde ammonia, etc. 211,493; June 30.
Rothschild & Sons, Inc., Kansas City, Mo. Men's cravats. 212,867; June 30.
Schlesinger, Maurice F., doing business as Bendiner & Schlesinger, New York, N. Y. Medicine for coughs, colds, croup, asthma, etc. 212,664; June 30.
Sammon Plaster Board Company, Buffalo, N. Y. Land plaster or agricultural gypsum. 195,129; June 30.
Schindel-McDaniels Company, New York, N. Y. Bed sheets, bedspreads and pillowcases. 214,381; June 30.
Schlesinger, Maurice F., doing business as Bendiner & Schlesinger, New York, N. Y. Toilet preparations. 212,665; June 30.
Schmelzer Company, The, Kansas City, Mo. Golf balls. 213,670; June 30.
Schmid, Julius, Inc., New York, N. Y. Pencils. 214,185; June 30.
Sek-Kil-O Chemical Company. (See Licht, Abraham M.)
Siegel Brothers Inc., Chicago, Ill. Caps. 214,281; June 30.
Silverstein, Harry, Brooklyn, N. Y. Men's hats. 202,038; June 30.
Simpson, Wm., Sons & Co., Philadelphia, Pa. Silk and cotton goods in the piece. 213,926; June 30.
Sircom, E. H., Company, Melrose, Mass. Knitted ladies' slips, bloomers, undervests, etc. 212,909; June 30.
Skala, L. F., doing business as Kajutol Laboratories, Chicago, Ill. Medicine for rheumatism, lumbago, etc. 213,744; June 30.
Smiles and Giggles Publishing Co., Inc., Newark, N. J. Monthly magazine. 214,100; June 30.
Smith, Albert E., East Wareham, Mass. Cotton piece goods. 212,835; June 30.
Smith, Alice E., New York, N. Y. Skin-improving fluid. 213,928; June 30.
Smith-Frank Packing Company, Sacramento, Calif. Canned and dried fruits and canned vegetables. 214,283; June 30.
Smith, Kline & French Company, Philadelphia, Pa. Mouth wash. 213,929; June 30.
Société Française Trëugolnik Levallois-Perret, France. Rubber footwear. 181,658; June 30.
Springfield Coca Cola Bottling Company, Springfield, Ohio. Beverage. 211,875; June 30.
Staassfurter Chemische Fabrik vormals Vorster & Grüneberg Actien-Gesellschaft, Staassfurt, Germany. Animal and plant killing chemicals, disinfectants, and purgative drugs for men and animals. 200,293; June 30.
Standard Oil Company (New Jersey), Bayonne, N. J. Asphalt and asphalt brick filler. 214,513; June 30.
Star Company, New York, N. Y. Newspaper section. 214,444; June 30.
Star Extract Works, Inc., New York, N. Y. Flavorings and flavoring extracts. 176,509; June 30.
Stetson Shoe Company, Inc., The, Weymouth, Mass. Boots and shoes. 208,438; June 30.
Street & Smith Corporation, New York, N. Y. Semimonthly magazine. 214,221; June 30.
Sumter Packing Company, Inc., The, Sumter, S. C. Canned vegetables. 212,973; June 30.
Superfos Company, Inc., The, New York, N. Y. Chemical compositions used for hardening and waterproofing building materials. 213,529–31; June 30.
Thomas Grate Bar Co., Valdosta, Ga., and Birmingham, Ala. Grate bars. 213,533; June 30.
Tinto Corporation, Newark, N. J. Hair dye. 212,976; June 30.
Turner, Day & Woolworth Handle Company, Louisville, Ky. Wooden tool handles. 210,094; June 30.
United Hosiery Stores Co., Chicago, Ill. Hosiery. 197,634; June 30.
United States Rubber Company, New York, N. Y. Golf balls. 213,602; June 30.
Universal Cover Fastener Company. (See Chappell, William R.)
Utgard, Alfred H., doing business as Rainbow Dairy Products Company, Portland, Oreg. Cottage, pimento, and brick cheese, and sandwich spreads. 207,375; June 30.
Valvoline Oil Company, Edgewater, N. J., and New York, N. Y. Petroleum and mineral jelly. 212,580; June 30.
Vinikow, Joseph, doing business as Parisian Chocolate Company, Seattle, Wash. Assorted chocolates. 211,507; June 30.
Wakefield, C. C., & Company, Limited, London, England. Oils. 213,539; June 30.
Walker, Wm. H., & Co., Buffalo, N. Y. Shoes. 210,202; June 30.
Wanamaker, John, Philadelphia, Philadelphia, Pa. Hosiery. 213,938; June 30.
Ward, Marcus, Inc., Boston, Mass. Writing paper. 214,490; June 30.
Washburn, F. B., & Co., Brockton, Mass. Bread. 212,464; June 30.
Wechsler Barber Silk Company, Inc., New York, N. Y. Silk piece goods. 213,940; June 30.
Westgard Chris, doing business as Pioneer Orchards, Brawley, Calif. Fresh citrous fruits and pomegranates. 201,521; June 30.
White, S. S., Dental Manufacturing Company, The, Philadelphia, Pa. Artificial teeth. 209,189–90; June 30.
Wilkins, John H., Co., Washington, D. C. Coffee. 214,302; June 30.
Williams Cut Sole Company, Boston, Mass. Leather soles. 206,205; June 30.
Wilson, S. F., and Co. Chicago, Ill. Shirts. 212,878; June 30.
Witman-Schwarz Corp., The, Hamburg, Pa. Canned corn. 206,243; June 30.
Yaple, Earle P., Greenburg, N. Y. Honey. 211,731; June 30.
Zero Hour Torpedo Company, Casper, Wyo. Bombs. 212,845; June 30.
Zollinger & Schroth, Inc., New York, N. Y. Silk piece goods. 214,447; June 30.

CLASSIFIED LIST OF TRADE-MARKS REGISTERED.

CLASS 2.

Baskets, Shipping. Marshall Manufacturing Co. 200,279; June 30; Serial No. 207,875; published Mar. 10, 1925.
Cartons, shipping boxes, and containers. Jackson Box Company. 200,269; June 30; Serial No. 209,128; published April 21, 1925.
Mail sacks, coal bags, etc. Wm. E. Hooper & Sons Co. 200,260; June 30; Serial No. 209,662; published Apr. 21, 1925.
Paper drinking cups and dispensers therefor. Kalix Cup Company. 200,289; June 30; Serial No. 201,685; published Apr. 21, 1925.
Plates, cups, saucers, etc. Stevens & Thompson Paper Co. 200,293; June 30; Serial No. 196,888; published Dec. 23, 1924.

CLASS 4.

Soap. W. E. Learned. 200,472; June 30.

CLASS 6.

Anesthetic, Local. G. H. Krug. 200,349; June 30; Serial No. 209,409; published Mar. 31, 1925.
Antiphlogistic and local anodyne. Wm. S. Merrell Company. 200,268; June 30; Serial No. 209,171; published Mar. 31, 1925.
Antiseptic preparation for treatment of pyorrhea, etc. A. L. Hill. 200,428; June 30; Serial No. 207,741; published Mar. 31, 1925.
Balm, Analgesic. Standard Remedy Company. 200,306; June 30; Serial No. 209,436; published Apr. 14, 1925.

Battery terminal compound. National Cable Compound Company. 200,440; June 30; Serial No. 201,671; published Mar. 31, 1925.
Bleaching fluid and cormond water. A. J. Girouard. 200,441; June 30; Serial No. 199,916; published Apr. 7, 1925.
Boiler and radiator liquids. P. J. Scanlon. 200,437; June 30; Serial No. 206,492; published Jan. 20, 1925.
Clay, Complexion. M. Sullivan. 200,235; June 30; Serial No. 164,837; published Mar. 31, 1925.
Coloring for meat food products. Preservaline Manufacturing Company. 200,212; June 30; Serial No. 209,812; published Apr. 7, 1925.
Corn and bunion treatment. A. E. Nolan. 200,350; June 30; Serial No. 209,813; published Mar. 31, 1925.
Cough medicine. L. Budden. 200,338; June 30; Serial No. 210,042; published Apr. 14, 1925.
Cream, hair tonic, and dandruff remedy, Cold. Ukemco Corporation. 200,436; June 30; Serial No. 206,499; published Apr. 7, 1925.
Creams, Facial. H. M. Williamson. 200,216; June 30; Serial No. 209,259; published Apr. 7, 1925.
Dentifrices. F. B. Shedd. 46,144; renewed Sept. 5, 1925.
Deodorant. W. E. Learned. 200,341; June 30; Serial No. 209,991; published Apr. 14, 1925.
Disinfectant, deodorant, and germicide compound. L. Griessman. 200,228; June 30; Serial No. 204,258; published Mar. 10, 1925.
Dyes. Glorient, Inc. 200,353; June 30; Serial No. 209,124; published Mar. 31, 1925.
Dyes. Monroe Drug Company. 200,425; June 30; Serial No. 208,415; published Mar. 31, 1925.
Extracts, essences, tinctures, and perfumery. McKey & Co. 26,899; renewed June 18, 1925.
Gum arabic, perfumery, essential oils, etc. Orbis Products Trading Co. 200,235; June 30; Serial No. 210,135; published Apr. 14, 1925.
Hair and scalp tonic. E. Irvin. 200,314; June 30; Serial No. 208,886; published Apr. 14, 1925.
Hair color restorer. Nelsine Chemical Co. 200,263; June 30; Serial No. 209,489; published Apr. 7, 1925.
Hairdressing. Onaola Cosmetic Co. 200,342; June 30; Serial No. 209,935; published Apr. 14, 1925.
Hair dye. Weaver-Jackson Co. 200,466; June 30.
Hair grower. D. C. Smith. 200,439; June 30; Serial No. 208,609; published Mar. 31, 1925.
Hair tint. Gullmont & Peters. 200,211; June 30; Serial No. 209,913; published Apr. 7, 1925.
Hair tonic. Beems and Williamson. 200,430; June 30; Serial No. 207,612; published Mar. 31, 1925.
Hair-waving preparation, Permanent. Eugene Ltd. 200,352; June 30; Serial No. 209,286; published Mar. 31, 1925.
Incense. Crystal Chemical Co. 200,358; June 30; Serial No. 208,960; published Mar. 31, 1925.
Insecticides. E. H. Dunbarr. 200,267; June 30; Serial No. 209,210; published Mar. 31, 1925.
Lotion. Arlington Mfg. Co. 200,427; June 30; Serial No. 207,775; published Mar. 31, 1925.
Lotion. Myers Corporation, Inc. 200,281; June 30; Serial No. 207,750; published Mar. 31, 1925.
Lotion, Hand. M. W. Sargeant. 200,442; June 30; Serial No. 185,092; published Jan. 1, 1924.
Lotion, Skin. Edal Products Co. 200,301; June 30; Serial No. 209,836; published Apr. 14, 1925.
Lotion, Skin. Sutho Co. 200,274; June 30; Serial No. 208,492; published Mar. 10, 1925.
Lye. Pennsylvania Salt Manufacturing Co. 200,405; June 30; Serial No. 208,478; published Mar. 31, 1925.
Medicinal preparation for disorders of the stomach, liver, blood, etc. Abbey-Ross Corporation. 200,270; June 30; Serial No. 209,116; published Apr. 7, 1925.
Medicinal preparation for indigestion and stomach trouble. M. Murphy. 200,336; June 30; Serial No. 210,134; published Apr. 14, 1925.
Medicinal preparation for phthisis, pneumonia, etc. E. Gilbert. 200,344; June 30; Serial No. 209,841; published Apr. 14, 1925.
Medicinal preparation for the treatment of constipation. W. E. Learned. 200,339; June 30; Serial No. 209,994; published Apr. 14, 1925.
Medicinal preparation for the treatment of obesity. W. E. Learned. 200,340; June 30; Serial No. 209,992; published Apr. 14, 1925.
Medicinal preparation for use as a general tonic. Dr. Richards Dyspepsia Tablet Association. 200,426; June 30; Serial No. 208,261; published Mar. 31, 1925.
Medicine. T. C. Miller. 200,423; June 30; Serial No. 208,474; published Mar. 31, 1925.
Medicine for bronchitis, etc. Smith, Kline & French Company. 200,357; June 30; Serial No. 209,008; published Mar. 31, 1925.
Medicine for the treatment of the lungs, etc. A. E. Murrmann. 200,429; June 30; Serial No. 207,625; published Apr. 7, 1925.
Medicines and toilet preparations, Certain named. W. F. Severn. 26,635; renewed June 4, 1925.
Medicines for colds, grippe, and influenza. C. H. Oertel. 200,453; June 30; Serial No. 206,856; published Apr. 21, 1925.
Moth-repellent compounds. Pathé Chemical Company. 200,214; June 30; Serial No. 209,809; published Apr. 7, 1925.
Multigermicides and blood and nerve correctives. Rand Sanatorium Company. 200,337; June 30; Serial No. 210,083; published Apr. 14, 1925.
Oil for rheumatism, Medicated. G. Ardito. 47,479; renewed Nov. 7, 1925.
Oil for use in disinfectants, perfumery, shampoo preparations, etc., Pine. Acme Products Company. 200,414; June 30; Serial No. 207,540; published Apr. 14, 1925.
Oils for treating the hair after permanent waving. G. B. Frasé. 200,351; June 30; Serial No. 209,289; published Mar. 31, 1925.
Ointment. Lambros & Sons. 200,348; June 30; Serial No. 209,413; published Mar. 31, 1925.
Ointment. Lehn & Fink, Inc. 200,444; June 30; Serial No. 210,476; published Apr. 21, 1925.
Penetrating application for relief of aches, sprains, etc. C. P. Wynne. 200,346; June 30; Serial No. 209,520; published Apr. 14, 1925.
Perfume, toilet water, cold cream, etc. Peggy Hoyt, Inc. 200,431; June 30; Serial No. 206,897; published Mar. 31, 1925.
Perfume, toilet water, etc. Parfumerie Rigaud, Inc. 200,254; June 30; Serial No. 209,242; published Mar. 31, 1925.
Perfume, toilet water, face powder, etc. Parfumerie Rigaud, Inc. 200,265; June 30; Serial No. 209,241; published Mar. 31, 1925.
Perfumes. Bourday, Inc. 200,311; June 30; Serial No. 209,274; published Mar. 31, 1925.
Perfumes. Rochambeau Import & Export Co. 200,230; June 30; Serial No. 195,539; published Feb. 17, 1925.
Perfumes. Stein and Blaine. 200,213; June 30; Serial No. 209,878; published Apr. 7, 1925.
Pills, Liver. Dr. Tutt Mfg. Co. 45,691; renewed Aug. 29, 1925.
Powder, Baby. Charles Ammen Company. 200,424; June 30; Serial No. 208,446; published Apr. 7, 1925.
Powder, Dental. Corega Chemical Company. 200,436; June 30; Serial No. 208,719; published Mar. 31, 1925.
Powder, Talcum. Meanea Company. 200,345; June 30; Serial No. 209,856; published Mar. 31, 1925.
Powders, creams, depilatories, rouges, etc. D. Gray. 200,419; June 30; Serial No. 206,781; published Apr. 14, 1925.
Powders, Face. Parfumerie Rigaud, Inc. 200,442; June 30; Serial No. 210,980; published Apr. 21, 1925.
Powders, Liquid face. J. R. Watkins Co. 200,486; June 30.
Powders, talcs, bath salts, etc., Face. Richard Hudnut. 200,218; June 30; Serial No. 209,165; published Mar. 31, 1925.
Preparation for the treatment of cystitis, gonorrhea, etc. W. G. Peaster. 200,406; June 30; Serial No. 208,481; published Mar. 31, 1925.
Preparation for the treatment of dyspepsia, indigestion, etc. Radway & Company. 200,227; June 30; Serial No. 205,548; published Apr. 7, 1925.
Preparation for treating the scalp and hair. A. McTague. 200,217; June 30; Serial No. 209,170; published Mar. 31, 1925.
Preparation for treatment of cramps, colic, etc. W. J. Lowry. 200,307; June 30; Serial No. 209,416; published Apr. 14, 1925.
Preparation for treatment of eczema and dandruff. J. F. Ryan. 200,256; June 30; Serial No. 209,108; published Mar. 31, 1925.
Preparations for softening the fiber of textile fabrics. Textile Finishing Products, Inc. 200,210; June 30; Serial No. 210,022; published Apr. 7, 1925.
Preparations for the hair. Lanoil System Ltd. 200,234; June 30; Serial No. 174,903; published Nov. 18, 1923.
Preparations for the treatment of bowel and liver diseases. Sydney Ross Co. 200,232–4; June 30; Serial Nos. 207,634–5; published Mar. 31, 1925.
Preparations for waving or curling the hair. Bissoni Process Co. 200,353; June 30; Serial No. 209,278; published Mar. 31, 1925.
Preparations of an oily nature for treating textile fabrics. E. F. Houghton & Co. 200,424; June 30; Serial No. 206,071; published Mar. 31, 1925.
Remedy for corns, calli, and bunions. Corn Fix Co. 200,258; June 30; Serial No. 210,447; published Apr. 21, 1925.
Remedy for coughs, colds, and bronchitis. E. Goldfarb. 200,219; June 30; Serial No. 209,162; published Mar. 31, 1925.
Salt, Nutrition. T. B. Wagner. 200,316; June 30; Serial No. 206,045; Apr. 14, 1925.
Salve. A. Dzubinski. 200,305; June 30; Serial No. 209,467; published Apr. 14, 1925.
Salve and liniment. E. Miller. 200,433; June 30; Serial No. 206,253; published Apr. 7, 1925.
Shampoo preparation. Ukemco Corporation. 200,231; June 30; Serial No. 194,033; published Apr. 7, 1925.
Soldering fluid. J. Firth. 200,215; June 30; Serial No. 209,339; published Apr. 7, 1925.
Stain remover and cleaner and nap raiser for fabrics. Reid-Seeley Company. 200,462; June 30; Serial No. 206,375; published Apr. 21, 1925.
Starch, blue, perfumery, disinfectants, etc. Newton Chambers, & Co. Limited. 200,222; June 30. Serial No. 203,087; published Apr. 14, 1925.

Sulphur and lime-sulphur solution, Colloidal. Herbert & Herbert, Inc. 200,332; June 30; Serial No. 191,705; published Apr. 14, 1925.
Suppositories, Vaginal. M. I. Livy. 200,432; June 30. Serial No. 206,319; published Apr. 7, 1925.
Tablet containing a laxative preparation. Hoffmann-La Roche Chemical Works. 200,220; June 30; Serial No. 209,126; published Mar. 31, 1925.
Tablets, cough sirup, pile ointment, etc. W. J. Benjamin. 200,409; June 30; Serial No. 206,124; published Apr. 14, 1925.
Tablets for dogs, Condition and tonic. Sacol Laboratory. 200,350; June 30; Serial No. 208,613; published Apr. 7, 1925.
Toilet water, scalp pomade, shampoo, etc. Los Angeles Barber Supply Co. 200,347; June 30; Serial No. 209,484; published Mar. 31, 1925.
Toilet waters, perfumes, and creams. C. H. Dent. 200,360; June 30; Serial No. 208,574; published Apr. 7, 1925.
Tonic, Gland. Irongland Company. 200,266; June 30; Serial 209,216; published Mar. 31, 1925.
Tonic medicine. J. Diaz. 200,345; June 30; Serial No. 209,834; published Apr. 14, 1925.
Tonic, Stock and poultry. J. L. Hoffman Co. 200,324; June 30; Serial No. 202,114; published Apr. 14, 1925
Venereal-disease preventives. J. Sunshine. 200,262; June 30; Serial No. 209,505; published Apr. 7, 1925.

CLASS 7.

Tinsel cord. Carpenter Manufacturing Co. 200,471; June 30.
Twine. L. Hyman & Sons. 200,413; June 30; Serial No. 207,575; published Apr. 7, 1925.

CLASS 9.

Tobacco pouches, humidors, etc. H. L. Rogers Co. 200,366; June 30; Serial No. 206,977; published Apr. 21, 1925.

CLASS 9.

Matches, Safety. E. Pohl. 200,286; June 30; Serial No. 206,801; published Apr. 21, 1925.
Sparklers, sun wheels, torpedoes, etc. Victoty Sparkler & Specialty Company. 200,249; June 30; Serial No. 208,366; published Apr. 21, 1925.

CLASS 11.

Ink regulators, reducers, driers, etc. W. F. Meiton. 200,198; June 30; Serial No. 197,491; published Apr. 14, 1925.
Paper, Carbon. Chemical Process Corporation. 200,373; June 30; Serial No. 199,820; published Apr. 7, 1925.

CLASS 12.

Bars, bolts, buckles, hooks, nails, etc. Bethlehem Steel Company. 200,483; June 30.

CLASS 24.

Steel. Canton Steel Company. 47,626; renewed Nov. 14, 1925.
Steel Crucible Steel Company of America. 47,795–7; renewed Nov. 21, 1925.
Steel. Crucible Steel Company of America. 47,846; renewed Nov. 21, 1925.

CLASS 16.

Japan colors; varnishes, paints, etc. Ditzler Color Co. 200,457; June 30; Serial 208,389; published Apr. 21, 1925.
Lacquers, paints, varnishes, colors, and undercoatings. C. A. Willey Company. 200,458; June 30; Serial No. 206,883; published Apr. 21, 1925.
Oil, turpentine, paints, etc., Linseed. Hall Paint Company. 200,460; June 30; Serial No. 207,565; published Apr. 21, 1925.
Paint, Ready-mixed. Detroit Graphite Company. 200,459; June 30; Serial No. 206,229; published Apr. 21, 1925.
Stains, Oil. Marr & Rawolle, Inc. 200,464; June 30; Serial No. 203,887; published Apr. 21, 1925.
Varnishes. American Varnish Company. 47,642; renewed Nov. 14, 1925.
Varnishes. American Varnish Company. 47,756; renewed Nov. 21, 1925.
Varnishes, paints, and colors and dyes used in connection therewith. Rinald Brothers Paint Works, Inc. 200,463; June 30; Serial No. 206,190; published Apr. 21, 1925.

CLASS 17.

Cigars, cigarettes, cigarillos, tobaccos. Hans Neuerburg e. H. G. 200,499; June 30.
Tobaccos, snuff, cigars, stogies, and cigarettes. Hans Neuerburg e. H. G. 200,478; June 30.

CLASS 21.

Armatures, buttons, fuse blocks, etc. Bakelite Corporation. 200,372; June 30; Serial No. 202,576; published Apr. 7, 1925.
Automobile parking lamps, signal lamps, etc. Tiffany Manufacturing Company. 200,253; June 30; Serial No. 207,803; published Apr. 14, 1925.
Batteries and storage battery plates, Storage. Am-Plus Storage Battery Company. 200,208; June 30; Serial No. 181,876; published Apr. 14, 1925.
Electric-iron cord sets, flatirons, toasters, air heaters, and grills. M. Kersten. 200,265; June 30; Serial No. 207,082; published Apr. 21, 1925.
Electric-light clusters. M. Propp Co. 200,204; June 30; Serial No. 191,569; published Apr. 21, 1925.
Electric lighting fixtures. Colonial Lamp & Fixture Works. 200,380; June 30; Serial No. 158,541; published Apr. 7, 1925.
Electric lights, Machines for intermittently lighting. C. W. Kent. 200,484; June 30.
Electric sockets. M. Propp Co. 200,203; June 30; Serial No. 191,570; published Apr. 21, 1925.
Electric tapes, dry cells, doorbells, etc. L. E. Olmsted. 200,256; June 30; Serial No. 206,631; published Apr. 21, 1925.
Electric tools, and generator sets for operating same. Chicago Pneumatic Tool Company. 200,401; June 30; Serial No. 208,509; published Apr. 21, 1925.
Electrical apparatus. Sterling Manufacturing Company. 200,474; June 30.
Electrical apparatus and machines for boring, drilling, etc., also generators for operating same. Chicago Pneumatic Tool Company. 200,387; June 30; Serial No. 209,278; published Apr. 21, 1925.
Electrical condensers. Dubilier Condenser & Radio Corporation. 200,292; June 30; Serial No. 197,195; published Apr. 21, 1925.
Electrical conductors, Metal conduits for. American Circular Loom Company. 200,257; June 30; Serial No. 206,344; published Apr. 14, 1925.
Electrical goods for use with electrical apparatus, Safety Electric Products Co. 200,206; June 30; Serial No. 188,934; published Apr. 21, 1925.
Electrical insulation compound. General Instrument Corporation. 200,397; June 30; Serial No. 208,848; published Apr. 21, 1925.
Electrical rectifiers. Automatic Electrical Devices Company. 200,209; June 30; Serial No. 192,168; published Apr 21, 1925.
Electrical resistors and resistance units for rheostats, lightning arresters, etc., Wireless Resistor Company of America. 200,201; June 30; Serial No. 193,693; published Apr. 14, 1925.
Electrical switches. Allen-Bradley Company. 200,378; June 30; Serial No. 197,126; published Apr. 21, 1925.
Electrical switches. Johns-Pratt Company. 200,353–4; June 30; Serial Nos. 209,849–50; published Apr. 21, 1925.
Electrical switches, fuses, insulating compounds, etc. General Electric Company. 200,199; June 30; Serial No. 196,338; published Apr. 21, 1925.
Electrically-heated devices. O. Q. Beckworth. 200,465; June 30.
Electron-tube amplification units or stages, etc. General Instrument Corporation. 200,396; June 30; Serial No. 208,849; published Apr. 21, 1925.
Hot plates, electric percolators, pads, etc., Portable electric. Toledo Cooker Co. 200,487; June 30.
Lamps, Electric bracket. M. P. Marx. 200,476; June 30.
Lightning arresters. D. K. Instrument Company. 200,230; June 30; Serial No. 207,960; published Apr. 21, 1925.
Radio apparatus, Vernier dials for. M. Singer. 200,250; June 30; Serial No. 208,264; published Apr. 14, 1925.
Radiodials. Electrical Research Laboratories, Inc. 200,400; June 30; Serial No. 208,645; published Apr. 21, 1925.
Radio loud speaker. Radiotive Corporation. 200,195; June 30; Serial No. 208,006; published Apr. 21, 1925.
Radiopanels, switchboard panels, and insulated composition boards. Cornell Wood Products Company. 200,251; June 30; Serial No. 208,182; published Apr. 14, 1925.
Radio receiver sets, batteries, loud speakers, plugs, antenna equipment, and radiotubes. John Wanamaker, New York. 200,254; June 30; Serial No. 207,422; published Apr. 14, 1925.
Radio receiving apparatus. C. G. Hall. 200,196; June 30; Serial No. 202,991; published Apr. 21, 1925.
Radio receiving sets. Radio Service Inc. 200,193; June 30; Serial No. 203,288; published Apr. 14, 1925.
Radio receiving sets. Resas, Inc. 200,370; June 30; Serial No. 204,979; published Apr. 21, 1925.
Radio receiving sets and parts thereof. Musical Products Distributing Co. 200,361; June 30; Serial No. 208,856; published Apr. 21, 1925.
Radioreproducers. M. C. Saylor & Co. 200,255; June 30; Serial No. 207,407; published Apr. 14, 1925.
Radio sets and apparatus. W. Krans. 200,435; June 30; Serial No. 206,879; published Apr. 7, 1925.
Radiotubes. C-P Radio Corporation. 200,242; June 30; Serial No. 209,626; published Apr. 14, 1925.
Spark plugs. Trumpe Spark Plug Co. 200,396; June 30; Serial No. 206,790; published Apr. 21, 1925.
Telephone and telegraph apparatus and radio apparatus. Federal Telephone & Telegraph Co. 200,485; June 30.
Telephone mouthpiece. F. A. Watkins. 200,362; June 30. 30; Serial No. 208,327; published Apr. 21, 1925.
Telephones, transformers, rheostats, etc. Electrical Products Manufacturing Company. 200,411; June 30; Serial No. 207,922; published Apr. 14, 1925.

Wireless apparatus. Burndept Limited. 200,294; June 30; Serial No. 193,028; published Apr. 21, 1925.

CLASS 22.

Hammocks. I. E. Palmer. 44,449; renewed July 4, 1925.

Toys, Mechanical. K. B. Noble. 200,291; June 30; Serial No. 198,667; published Apr. 21, 1925.

CLASS 23.

Centrifugal machines. Sharples Specialty Co. 200,389; June 30; Serial No. 209,180; published Apr. 7, 1925.
Hydraulic accumulators, bars, blades, etc. Bethlehem Steel Company. 200,490; June 30.
Pocketknives. P. J. Cummings. 200,446; June 30; Serial No. 210,291; published Apr. 21, 1925.
Pumps, Electrical engine and belt driven power. Columbus Gear & Pump Company. 200,456; June 30; Serial No. 200,721; published Apr. 21, 1925.
Record-writing machines. Permatype Record Writing Machine Company. 200,445; June 30; Serial No. 210,314; published Apr. 21, 1925.
Saws. G. N. Clemson. 47,670; renewed Nov. 14, 1925.
Sprayers and parts thereof. Hudson Manufacturing Company. 200,461; June 30; Serial No. 207,463; published Apr. 21, 1925.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 200,447–8; June 30; Serial Nos. 210,102–3; published Apr. 21, 1925.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 200,449–52; June 30; Serial Nos. 210,097–100; published Apr. 21, 1925.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 200,454; June 30; Serial No. 210,096; published Apr. 21, 1925.
Tool handles, Wooden. Turner Day & Woolworth Handle Company. 200,455; June 30; Serial No. 210,093; published Apr. 21, 1925.
Vises, bit braces, breast drills, etc. Stanley Works. 200,488; June 30.

CLASS 24.

Laundry tubs, Stationary. Chicago Granitine Manufacturing Company. 200,238; June 30; Serial No. 210,350; published Apr. 14, 1925.
Washboards. National Washboard Company. 200,491; June 30.
Washing machines and wringer mechanisms, Clothes. Vermont Farm Machinery Company. 200,244; June 30; Serial No. 209,112; published Apr. 14, 1925.

CLASS 27.

Watches. Gilbert & Co. 200,245; June 30; Serial No. 209,038; published Apr. 14, 1925.
Watches and clocks. Robt. H. Ingersoll & Bro. 47,471; renewed Nov. 7, 1925.
Watches, watchcases, watch movements and dials, etc. Picard, Hermann & Fils. Alexora Watch Manufactory. 200,367; June 30; Serial No. 206,975; published Apr. 21, 1925.
Watches, watchcases, watch movements, and parts of the same. Goldsmith Stern & Co. 200,242; June 30; Serial No. 209,911; published Apr. 14, 1925.
Watches, watchcases, watch movements, and parts thereof. Keystone Watch Case Company. 200,376; June 30; Serial No. 193,838; published Apr. 21, 1925.
Watches, watch movements, watchcases, clocks, and parts thereof. Hoffman Bros., Inc. 200,377; June 30; Serial No. 192,122; published Apr. 21, 1925.

CLASS 28.

Bead cords and strings. Perfection Manufacturing Company. 200,492; June 30.
Buckles, chains, and cuff buttons. C. A. Marsh & Co. 200,468; June 30.
Buttons, Collar. Pyramid Button Co. 200,241; June 30; Serial No. 209,940; published Apr. 14, 1925.
Buttons, Cuff. Parks Brothers & Rogers, Inc. 200,190; June 30; Serial No. 206,082; published Apr. 14, 1925.
Ring mountings. George Goldberg, Inc. 200,248; June 30; Serial No. 206,758; published Apr. 14, 1925.
Rings, Finger. J. L. Coleman. 200,246; June 30; Serial No. 209,024; published Apr. 14, 1925.

CLASS 29.

Toothbrushes. A. C. Fones. 200,278; June 30; Serial No. 207,927; published Apr. 21, 1925.

CLASS 32.

Davenports, chair, tables, etc. Ernest J. Sultan Manufacturing Co. 200,303; June 30; Serial No. 209,820; published Apr. 7, 1925.
Divans and chairs, Upholstered. Koerner Furniture Manufacturing Company. 200,422; June 30; Serial No. 206,173; published Apr. 7, 1925.
Furniture and fixtures for banks, stores, offices, and jewelry establishments. Georgia Show Case Co. 200,333; June 30; Serial No. 174,204; published Apr. 7, 1925.
Pillows. Chas. Enmerich & Co. 200,308; June 30; Serial No. 209,390; published Apr. 7, 1925.

CLASS 36.

Harps, violins, and similar instruments, Strings for. R. Salerni. 200,393; June 30; Serial No. 209,002; published Apr. 21, 1925.
Phonograph records, phonograph apparatus for recording and reproducing sound, etc. Columbia Phonograph Company. 200,363; June 30; Serial No. 208,127; published Apr. 21, 1925.
Pianos. Chas. M. Stieff Inc. 200,475; June 30.
Pianos. Strawbridge & Clothier. 200,479; June 30.
Sound magnifying and amplifying devices, Electrical. Magnavox Company. 200,379; June 30; Serial No. 170,588; published Apr. 7, 1925.
Talking machines. Udell Works. 200,290; June 30; Serial No. 201,117; published Apr. 21, 1925.

CLASS 37.

Duplicators, Revolving. Felix F. Dane Duplicator Company. 200,412; June 30; Serial No. 207,854; published Apr. 7, 1925.
Paper and envelopes, Writing. George B. Hurd & Co. 47,760; renewed Nov. 21, 1925.
Paper, Writing. Fox River Paper Company. 200,318; June 30; Serial No. 204,550; published Apr. 7, 1925.
Papers, Bond, linen, ledger, wedding, and index Bristol. B. D. Rising Paper Company. 46,378; renewed Sept. 19,1925.
Papers, Bond, linen, ledger, wedding, and index Bristol. B. D. Rising Paper Company. 46,972; renewed Oct. 17, 1925.
Papers, Bond, linen, ledger, wedding, and index Bristol. B. D. Rising Paper Company. 47,710; renewed Nov. 14, 1925.
Pencil and cleaning composition erasers. F. A. Weeks. 45,607; renewed Aug. 22, 1925.
Pens, Drawing and lettering. Esterbrook Steel Pen Manufacturing Company. 200,297; June 30; Serial No. 210,541; published Apr. 14, 1925.
Tags. Dennison Manufacturing Company. 200,407; June 30; Serial No. 208,283; published Apr. 7, 1925.

CLASS 38.

Books, Puzzle. J. E. Austrian. 200,315; June 30; Serial No. 205,982; published Apr. 7, 1925.
Musical compositions and publications. Duncan Sisters Music Publishers. 200,320; June 30; Serial No. 204,310; published Apr. 7, 1925.
Newspaper, Daily comic strip in s. Press Publishing Company. 200,326–7; June 30; Serial Nos. 193,731–2; published Apr. 7, 1925.
Newspaper, Daily comic strip in s. Press Publishing Company. 200,328; June 30; Serial No. 193,729; published Apr. 7, 1925.
Publication. W. B. Keller Publishing Co. 200,317; June 30; Serial No. 205,926; published Apr. 7, 1925.
Publication, Monthly. Brotherhood Investment Company. 200,325; June 30; Serial No. 198,449; published Apr. 7, 1925.
Publication, Name of its. Newspaper Advertiser Publishing Company. 200,404; June 30; Serial No. 208,604; published Apr. 7, 1925.
Publications, Periodical. R. A. Carlson. 200,313; June 30; Serial No. 209,137; published Apr. 7, 1925.

CLASS 39.

Boots and shoes. Louis W. Gordon Co. 200,378; June 30; Serial No. 176,239; published Apr. 7, 1925.
Brassières, girdles, corsets, etc. Weingarten Bros. 200,390; June 30; Serial No. 209,114; published Apr. 14, 1925.
Caps and hats, Men's. U-Profit Manufacturing Co. 200,388; June 30; Serial No. 209,258; published Apr. 7, 1925.
Dresses, aprons, frocks, and blouses, Ladies'. Home Distributors, Inc. 200,259; June 30; Serial No. 210,057; published Apr. 14, 1925.
Gloves. Indianapolis Glove Company. 200,394; June 30; Serial No. 208,986; published Apr. 14, 1925.
Gloves, Leather. Societe Anoyme des Gants Buscarlet. 200,331; June 30; Serial No. 192,044; published Apr. 14, 1925.
Hat frames. Fashion Hat Frame Co. 200,252; June 30. Serial No. 207,978; published Apr. 14, 1925.
Hats, Ladies'. J. Tenenbaum & Sons. 200,489; June 30.
Hats, Women's. Raphael Weill and Company. 200,194; June 30; Serial No. 203,063; published Apr. 14, 1925.
Heels. American Heel Co. 200,386; June 30; Serial No. 209,374; published Apr. 14, 1925.
Shoes, boots, and slippers. Scholl Manufacturing Company. 200,374; June 30; Serial No. 199,253; published Apr. 7, 1925.
Soles, Shoe. A. Stein. 200,391; June 30; Serial No. 209,059; published Apr. 14, 1925.
Underwear. Vanity Fair Silk Mills. 200,192; June 30; Serial No. 204,641; published Apr. 14; 1925.

CLASS 40.

Buttons, Collar. Celluloid Company. 200,309; June 30; Serial No. 209,385; published Apr. 7, 1925.
Dress shields. I. B. Kleinert Rubber Company. 200,299–300; June 30; Serial Nos. 210,172–3; published Apr. 7, 1925.

Hair goods. Yvette Co. 200,298; June 30; Serial No. 210,262; published Apr. 7, 1925.
Hair pieces, Auxiliary. Hyman & Oppenheim. 200,408; June 30; Serial No. 208,142; published Apr. 7, 1925.
Tape, Bias-fold. David Caplan Co. 200,312; June 30; Serial No. 209,200; published Apr. 7, 1925.
Tape, Cotton. Federal Yarn Corporation. 200,329; June 30; Serial No. 193,036; published Apr. 7, 1925.
Transformations and wigs. L. Ruffo. 200,415; June 30; Serial No. 207, 406; published Apr. 7, 1925.

CLASS 42.

Cotton piece goods. Sayles Finishing Plants, Inc. 200,205; June 30; Serial No. 189,526; published Apr. 21, 1925.
Cotton piece goods. Wilton Manufacturing Company. 200,191; June 30; Serial No. 205,970; published Apr. 21, 1925.
Woolen goods. S. Stein & Co. 200,481–2; June 30.

CLASS 45.

Beverage. Keen Kola Manufacturing Co. 200,264; June 30; Serial No. 209,352; published Apr. 21, 1925.
Beverages. California Bottling Works. 200,261; June 30; Serial No. 209,560; published Apr. 21, 1925.
Beverages. F. Guyton. 200,237; June 30. Serial No. 210,660; published Apr. 21, 1925.
Beverages and syrups for making same. Long Island Beverage Company. 200,239; June 30; Serial No. 210,241; published Apr. 21, 1925.
Ginger ale and syrups for making same. Indian Hill Company. 200,236; June 30; Serial No. 210,667; published Apr. 21, 1925.

CLASS 46.

Biscuits, bread, pies, etc. G. F. Jefferson. 200,287; June 30; Serial No. 205,481; published Apr. 21, 1925.
Biscuits, crackers, cakes, and cookies. National Biscuit Company. 200,282; June 30; Serial No. 207,670; published Apr. 21, 1925.
Butter and eggs. H. A. Hovey & Co. 200,421; June 30; Serial No. 206,577; published Apr. 14, 1925.
Butter and eggs. John Poehlman & Sons. 200,275; June 30; Serial No. 206,480; published Apr. 21, 1925.
Candies. Louis Celia, Inc. 200,330; June 30; Serial No. 192,673; published Apr. 14, 1925.
Candy. Robt. F. Mackenzie Co. 200,202; June 30; Serial No. 192,404; published Apr. 7, 1925.
Canned fish. A. Palmigiano. 200,417; June 30; Serial No. 206,916; published Apr. 14, 1925.
Canned fish and vegetables and relishes. Halfhill Packing Corp. 200,418; June 30; Serial No. 206,783; published Apr. 14, 1925.
Canned salmon. Deep Sea Salmon Company. 200,473; June 30.
Catchup, jelly, and canned goods. Webster-Butterfield Company. 200,467; June 30.
Cereal breakfast foods. Great Atlantic & Pacific Tea Company. 200,200; June 30; Serial No. 194,602; published Apr. 21, 1925.
Cereals. Kenworthy Grain & Milling Co. 200,295; June 30; Serial No. 192,488; published Apr. 21, 1925.
Chocolate candy bars filled with peanuts. J. A. Curtis. 200,296; June 30; Serial No. 190,091; published Apr. 21, 1925.
Confection. P. Pickett. 200,221; June 30; Serial No. 208,007; published Apr. 7, 1925.
Crackers, Cream. Pacific Coast Biscuit Company. 200,385; June 30; Serial No. 209,494; published Apr. 21, 1925.
Feed, Cattle. Blatchford Calf Meal Company. 200,366; June 30; Serial No. 206,716; published Apr. 21, 1925.
Feed for animals. Blatchford Calf Meal Company. 200,285; June 30; Serial No. 207,226; published Apr. 21, 1925.
Flour. New Athens Milling Co. 46,151; renewed Sept. 5, 1925.
Flour, Buckwheat. Birkett Mills. 200,284; June 30; Serial No. 207,389; published Apr. 21, 1925.
Flour, Self-rising. Aunt Jemima Mills Company. 200,381; June 30; Serial No. 210,156; published Apr. 21, 1925.
Flour, Wheat. Austed & Burk Co. 200,197; June 30; Serial No. 198,442; published Apr. 21, 1925.
Flour, Wheat. Bay State Milling Company. 200,382; June 30; Serial No. 210,033; published Apr. 21, 1925.
Flour, Wheat. Nebraska Consolidated Mills Company. 200,240; June 30; Serial No. 210,072; published Apr. 21, 1925.
Flour, Wheat. Sands, Taylor & Woods Company. 200,247; June 30; Serial No. 209,006; published Apr. 21, 1925.
Flour, Wheat. Sands, Taylor & Wood Company. 200,271–2; June 30; Serial Nos. 209,002–4; published Apr. 21, 1925.
Flour, Wheat. Sands, Taylor & Wood Company. 200,392; June 30; Serial No. 209,005; published Apr. 21, 1925.
Flour, Wheat. Suomen Valtamerentakainen Kauppa Oy. 200,276–7; June 30; Serial Nos. 208,439–40; published June 30, 1925.
Flour, Wheat. Wilcox-Hayes Co. 200,283; June 30; Serial No. 207,639; published Apr. 21, 1925.
Food, Breakfast. A. Grube. 200,288; June 30; Serial No. 204,906; published Apr. 21, 1925.
Food, Infants'. F. L. Vilas. 200,302; June 30; Serial No. 209,824; published Apr. 14, 1925.
Food products. Hess Bros. 200,319; June 30; Serial No. 204,317; published Apr. 14, 1925.
Garlic. F. V. Bloch. 200,460; June 30.
Ham. J. Davidson. 200,369; June 30; Serial No. 205,396; published Apr. 21, 1925.
Ice cream. C. Sharf. 200,322; June 30; Serial No. 203,659; published Apr. 14, 1925.
Jams. Jos. Middleby, Jr., Inc. 200,480; June 30.
Lozenges and candy. O. H. Peckham Candy Manufacturing Company. 27,142; renewed Oct. 6, 1925.
Malt. N. Milgram. 200,229; June 30; Serial No. 201,204; published Oct. 7, 1924.
Marmalades, butters, preserves and jellies, cranberry sauce, etc., Fruit. John Sexton and Company. 200,207; June 30; Serial No. 187,898; published Apr. 7, 1925.
Mayonnaise and salad dressings, corn-meal mush, tartar sauce, etc. E. M. Eba. 200,226; June 30; Serial No. 208,225; published Apr. 7, 1925.
Meal, flour, mash, and feed. O. G. Whelan. 200,371; June 30; Serial No. 208,215; published Apr. 21, 1925.
Milk, Evaporated. Sherman and Company. 200,410; June 30; Serial No. 208,073; published Apr. 14, 1925.
Nuts, beans, peas, and figs. Bennett Day Importing Company. 200,395; June 30; Serial No. 208,893; published Apr. 21, 1925.
Oil, Chocolated cod-liver. Scientific Products, Inc. 200,225; June 30; Serial No. 206,597; published Apr. 7, 1925.
Oleomargarine. Baltimore Butterine Company. 200,402; June 30; Serial No. 208,499; published Apr. 21, 1925.
Oleomargarine, Nut. Buehler Brothers, Inc. 200,470; June 30.
Peanut butter, olives, wheat flour, etc. Portage Wholesale Grocery Co. 200,310; June 30; Serial No. 209,818; published Apr. 14, 1925.
Pickles. Bond Pickle Company. 200,477; June 30.
Pickles. O. A. Fanning. 200,304; June 30; Serial No. 209,727; published Apr. 14, 1925.
Potatoes. W. H. J. Kavanagh. 200,416; June 30; Serial No. 207,387; published Apr. 14, 1925.
Poultry and eggs, Dressed. Priebe & Sons, Inc. 200,420; June 30; Serial No. 206,749; published Apr. 14, 1925.
Preparation for thickening, coloring, and seasoning gravy, soups, and stews. Cerebos, Limited. 200,405; June 30; Serial No. 208,842; published Apr. 14, 1925.
Preparation of chocolate or cocoa for beverages. Gillies Coffee Co. 200,399; June 30; Serial No. 206,757; published Apr. 21, 1925.
Rice, prepared mustard, and tomato catchup. John Sexton and Company. 200,334; June 30; Serial No. 187,773; published Apr. 14, 1925.
Sirup, Corn and sugar. Union Starch & Refining Company. 200,321; June 30; Serial No. 208,916; published Apr. 14, 1925.
Sirup, Malt. P. A. Horback. 200,222; June 30; Serial No. 207,934; published Apr. 7, 1925.
Sirups, Almond table. E. V. La Fontaine. 200,223; June 30; Serial No. 184,409; published Apr. 7, 1925.
Vegetables, canned fish, salted fish, breakfast cereals, etc. Albert F. Bridges & Co. 200,232; June 30; Serial No. 187,294; published Jan. 13, 1925.

CLASS 48.

Ale. Dawson & Son. 47,595; renewed Nov. 14, 1925.

CLASS 49.

Whisky. Old Grand-Dad Distillery Co. 200,273; June 30; Serial No. 208,864; published Apr. 21, 1925.

ALPHABETICAL LIST OF LABELS.

A. C. Hynd's Germicide Skin Ex-Rill. For a Preparation for the Face and Skin. A. C. Hynd. 28,878; June 30.
Atlas. For Oranges. Olive Heights Citrus Association. 28,896; June 30.
Augers. For Screws. Interstate Iron & Steel Company. 28,880–1; June 30.
Banner Bouquet. For Nonalcoholic Cocktails. Tonkin Distributing Co. 28,900; June 30.
Blue Diamond. For Electric Stucco. Blue Diamond Company. 28,864; June 30.
Brillo Glosscomb. For a Liquid Preparation for the Hair. Beauty Products Company. 28,868; June 30.
Bucher's Mere Salve. For a Salve. W. G. Bucher. 28,866; June 30.
Challenge. For Butter. Challenge Cream and Butter Association. 28,869; June 30.

Chatham Special. For Cigars. Sonnenberg Bros. Inc. 28,906; June 30.
Clover Meadow. For Dairy Products, Particularly Milk. Clover Meadow Creamery Co. 28,872-3; June 30.
Concentrated Imitation Fruit Nectar. For Concentrated Soft Drink Preparations. Brechet & Richter Co. 28,895; June 30.
Cougar. For Oranges. Covina Citrus Association. 28,874; June 30.
Covered Wagon. For Fresh Deciduous Fruits. Newcastle Fruit Growers Association. 28,896; June 30.
Cyanogas. For a Powdered Fumigant Which Liberates a Poisonous Gas in the Air. American Cyanamid Company. 28,861; June 30.
Diamond's Rheumatism Powders. For Rheumatism Powders. J. Diamond. 28,877; June 30.
Dr. Voulsky's Russian White Liniment. For Liniment. A. Citron. 28,870; June 30.
English's Cold and Grippe Capsule. For Cold and Grippe Remedy. De Vol Drug Company. 28,876; June 30.
Eveready Columbia Hot Shot. For Electric Batteries. National Carbon Company. 28,893; June 30.
Eveready Columbia Ignitor. For Electric Batteries. National Carbon Company. 28,894; June 30.
Fitzwel Ford Car Fender Brace. For Fender Braces for Ford Cars. Metal Products Company. 28,891; June 30.
Freezoleum Headache Plasters. For Headache Plasters. W. B. Madder. 28,886; June 30.
Frozen Sucker. For Frozen Confections. Citrus Products Co. 28,871; June 30.
Grandma's Raisin Pound Cake. For Raisin Pound Cake. Lantz Bros. Baking Co. 28,882; June 30.
Grandma's Spiced Fruit Cake. For Spiced Fruit Cake. Lantz Bros. Baking Co. 28,883; June 30.
Grandma's Nut Pound Cake. For Nut Pound Cake. Lantz Bros. Baking Co. 28,884; June 30.
Grandma's Cake. For Cake. Lantz Bros. Baking Co. 28,885; June 30.
Hector. For Oranges. Olive Heights Citrus Association. 28,898; June 30.
Ike's Mike The Candy You Like. A Meister Product made in the Country. For Candy Bars. Meister Candy Company. 28,887; June 30.
Ima. For a Cleaner. Ima Products Corp. 28,879; June 30.
Jelly Fruit. For Receptacles Containing a Jelly Base. Pert-O, Inc. 28,901; June 30.
Juanita. For Pure Lard. Mission Provision Co. 28,892; June 30.
Meadowbrook. For Eggs. Menasha Printing and Carton Company. 28,890; June 30.
Meister's Ace High. For Candy Bars. Meister Candy Company. 28,888; June 30.
Miss Society Ladies Pure Thread Silk Hose. For Ladies Hosiery. Wheeler & Metter Mercantile Company. 28,910; June 30.
Mocha-Chocolate. For a Compound for Making Beverages. André Chetelat Co. 28,903; June 30.
Mount of Olive. For Oranges. Olive Heights Citrus Association. 28,897; June 30.
Nimemore Real Coffee, Ruehl Method. For Coffee. W. Ruehl. 28,907; June 30.
Prattlow. For Canned Artichokes. Pratt-Low Preserving Company. 28,902; June 30.
Prattlow. For Canned Sweet Potatoes. Pratt-Low Preserving Company. 28,908; June 30.
Prattlow. For Canned Hearts of Artichokes. Pratt-Low Preserving Company. 28,904; June 30.
Pro-phy-lac-tic Tooth Brush. For Tooth Brushes. Pro-Phy-Lac-Tic Brush Company. 28,905; June 30.
Quoloil. For Fuel Oil Burners and Linings and on Containers of Fuel Oil. Quoloil Corporation. 28,909; June 30.
Red C. For Oranges. Covina Citrus Association. 28,875; June 30.
Tea Room Pies. For Pies. Case & Martin Company. 28,868; June 30.
Tree Paint. For Tree Paint. C. V. Pauley. 28,900; June 30.
Troy. For Oranges. Olive Heights Citrus Association. 28,899; June 30.
Twin City. For Eggs. Menasha Printing and Carton Company. 28,889; June 30.
Ye King's Pale. For Beverage. Burkhardt Corporation. 28,867; June 30.

ALPHABETICAL LIST OF PRINTS.

Another Reason. For Dental Cream. E. R. Squibb & Sons. 8,057; June 30.
Black Gopher. For Coal. E. E. Mendenhall. 8,040; June 30.
Blessings on Thee, "B. V. D." in These Hot Summer Days! For Athletic Underwear. B. V. D. Company. 8,030; June 30.
Blue Band Velvet Pencils C-53. For Lead Pencils. American Lead Pencil Company. 8,026; June 30.
Constant Vigilance. For Dental Cream. E. R. Squibb & Son. 8,059; June 30.
Fruited Jell-O. For Jell-O, a Dessert Preparation. Jell-O Company. 8,036; June 30.
Get the Underwear you ask for. For Athletic Underwear. B. V. D. Company. 8,033; June 30.
Good Tires Deserve Good Tubes Good—(Wingfoot)—Year Tubes. For Inner Tubes for Pneumatic Tires Composed Wholly or in Part of Rubber. Goodyear Tire & Rubber Company. 8,035; June 30.
Hundreds of thousands of people. For Dental Cream. E. R. Squibb & Sons. 8,045; June 30.
I fink you'll be better tomorrow. For Household Products—Bicarbonate of Soda, Epsom Salt, Castor Oil, Boric Acid, Milk of Magnesia, Dental Cream, Saccharin Tablets, Extract of Vanilla. E. R. Squibb & Sons. 8,061; June 30.
If you want your children to brush their teeth regularly. For Dental Cream. E. R. Squibb & Sons. 8,065; June 30.
It all Comes Out In the Wash. For Athletic Underwear. B. V. D. Company. 8,028; June 30.
Marathon Tires—for endurance—for speed—etc. For Vehicle Tires Composed Wholly or in Part of Rubber. Marathon Rubber Company. 8,039; June 30.
McAvoy. For Gowns, Suits, Wraps, Furs, Millinery. E. C. McAvoy. 8,038; June 30.
Million of men demand this protection every day. For Dental Cream. E. R. Squibb & Sons. 8,051; June 30.
Not Exactly Dress—But Well-Dressed Just the Same. For Athletic Underwear. B. V. D. Company. 8,027; June 30.
Only a skilled dentist can cure Pyorrhea. For Dental Cream. E. R. Squibb & Sons. 8,048; June 30.
Penny Odd. For Coffee. Z. Wolff. 8,067; June 30.
Plate No. 2. For No. 2 Dimmobloz—Namely, an Instructive Game. Strombeck-Becker Mfg. Co. 8,066; June 30.
Practice Precaution. For Dental Cream. E. R. Squibb & Sons. 8,064; June 30.
Says Judge Elbert H. Gary "In the business of keeping fit my first care is a simple diet." For Wheat Breakfast Food. Cream of Wheat Co. 8,034; June 30.
Scotchie Bow. For Men's Neckwear. H. W. Spiegel. 8,043; June 30.
Squibb's Dental Cream. For Dental Cream. E. R. Squibb & Sons. 8,049; June 30.
Squibb Week Only 3 days left to get this Squibb Service Package—free. For Dental Cream. E. R. Squibb & Sons. 8,050; June 30.
Squibb Week Starts to-morrow! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salt. E. R. Squibb & Sons. 8,044; June 30.
The Answer to the Demand. For Jell-O, a Dessert Preparation. Jell-O Company. 8,037; June 30.
The Brand That Suits in Citrous Fruits. For Fresh Citrous Fruits. Randolph Marketing Company. 8,041; June 30.
The Danger Line warns of peril. For Dental Cream. E. R. Squibb & Sons. 8,062; June 30.
The Demand for Squibb's Dental Cream. For Dental Cream. E. R. Squibb & Sons. 8,046; June 30.
The Test of Time. For Athletic Underwear. B. V. D. Company. 8,029; June 30.
This Morning. For Dental Cream. E. R. Squibb & Sons. 8,055; June 30.
This morning millions of men. For Dental Cream. E. R. Squibb & Sons. 8,063; June 30.
This Week is Squibb Week—this Squibb Service Package for your medicine cabinet! For Cold Cream, Dental Cream, Talcum Powder, Analgesic Balm, Sodium Bicarbonate, and Epsom Salt. E. R. Squibb & Sons. 8,060; June 30.
Three Years Ago. For Dental Cream. E. R. Squibb & Sons. 8,052; June 30.
Tonight—will your teeth have this protection? For Dental Cream. E. R. Squibb & Sons. 8,054; June 30.
Train Boy. For Luggage. Schmickl-Bryon, Inc. 8,042; June 30.
Unique Thin Lead Colored Pencils C-55. For Colored Pencils. American Lead Pencil Company. 8,025; June 30.
What Men Know Without Studying. For Athletic Underwear. B. V. D. Company. 8,031; June 30.
What millions of women have learned. For Dental Cream. E. R. Squibb & Sons. 8,053; June 30.
What The Danger Line means to you. For Dental Cream. E. R. Squibb & Sons. 8,056; June 30.
Which Would You Have Him Say to Himself? For Athletic Underwear. B. V. D. Company. 8,032; June 30.
Yes—most teeth decay can be prevented. For Dental Cream. E. R. Squibb & Sons. 8,047; June 30.
Your little ones. For Dental Cream. E. R. Squibb & Sons. 8,058; June 30.

CLASSIFIED LIST OF TRADE-MARK TITLES.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

CLASS 1.

Seeds. Jameson-Hevener Company. 213,175; June 30.

CLASS 3.

Bags, Ladies' hand. A. C. Fisher & Co. 213,434; June 30.

CLASS 5.

Preparation for sealing the joints of safety fuse and caps used in blasting. Coast Manufacturing & Supply Company. 209,720; June 30.

CLASS 6.

Alterative and tonic, Blood. W. P. Jenkins. 213,902; June 30.
Aromatic compounds. Menans Incorporated. 214,365; June 30.
Cement. A. B. Penyi Manufacturing Co. 213,857; June 30.
Chemicals for killing animals and plants, disinfectants, and purgative drugs. Stassfurter Chemische Fabrik vormals Verster & Grüneberg Action-Gesellschaft. 200,293; June 30.
Dentifrice. E. H. Brownlee. 213,951; June 30.
Dentifrice. Eureka Pyorrhea Products Co. 214,304; June 30.
Disinfectants. A. M. Licht. 212,743; June 30.
Dissolvents, lactates, iodides, etc. Byk-Guldenwerke Chemische Fabrik Aktiengesellschaft. 204,891; June 30.
Dye, Hair. Tiato Corporation. 212,976; June 30.
Evaporating crystals. A. M. Licht. 212,742; June 30.
Fly killer. E. Cortes. 214,237; June 30.
Hair dressing and tonic. J. G. Page. 213,913; June 30.
Hexamethylenetetramine, paraformaldehyde, aldehyde, ammonia, etc. Roessler & Hasslacher Chemical Company. 211,493; June 30.
Laxative, blood tonic, etc. J. B. Allen. 212,846; June 30.
Liniment. C. Leuffen & Co. Fabrik Chem. und Pharm. Präparate. 210,912; June 30.
Lotions and milks, astringent waters, etc., Face, hand, and skin. L. Cavalieri. 206,345; June 30.
Medical compounds. J. Kulek. 212,148; June 30.
Medicinal preparation for coughs. Abbott Laboratories. 194,686; June 30.
Medicinal preparation for dyspepsia, etc. J. A. Parr. 179,321; June 30.
Medicine for coughs, asthma, etc. M. F. Schlesinger. 212,664; June 30.
Medicine for leucorrhea. C. A. Hunt. 196,916; June 30.
Medicine for rheumatism, lumbago, etc. L. F. Skala. 213,744; June 30.
Medicines for colds and influenza. Qumar Medical Company. 213,916; June 30.
Mouth wash. Smith, Kline & French Company. 213,929; June 30.
Oils and other extraction products, Natural. Charabot & Cie. 210,159; June 30.
Ointment. Lysol, Incorporated. 210,489; June 30.
Ointment, Prophylactic. Colonial Chemical Corporation. 213,486; June 30.
Perfumery and cosmetics. Cosmetic Arts, Inc. 213,517-23; June 30.
Petroleum and mineral jelly and catarrh remedy. Valvoline Oil Company. 212,580; June 30.
Preparation for removing hair. R. J. Gates. 213,505; June 30.
Preparation for the treatment of liver and kidney disorders. Mansfield Drug Co. 213,247; June 30.
Preparation for the treatment of rheumatism, etc., dentifrice, hair pomade, etc. Omega Chemical Company. 205,844; June 30.
Preparations for treating textile fibers and fabrics. Chemische Fabrik Pott & Co. 196,486; June 30.
Remedies for asthma, hay fever, catarrh, etc. W. K. Buckley, Limited. 212,997; June 30.
Rouge. Remiller Co. 213,920; June 30.
Rouge, Lip. Cosmo Cosmetic Corporation. 209,154; June 30.
Salve, Pile-remedy. Bell Remedy Co. 214,007; June 30.
Skin-improving fluid. A. E. Smith. 213,928; June 30.
Toilet preparations. M. F. Schlesinger. 212,665; June 30.
Tonic and oil liniment, General. B. A. Cayton. 212,502; June 30.

CLASS 9.

Bombs. Zero Hour Torpedo Company. 212,845; June 30.

CLASS 10.

Plaster or agricultural gypsum, Land. Samson Plaster Board Company. 195,129; June 30.

CLASS 12.

Asphalt and asphalt brick filler. Standard Oil Company (New Jersey). 214,513; June 30.
Brick. Acme Brick Company. 213,347; June 30.
Bricks and blocks. Metropolitan Paving Brick Company. 213,387; June 30.
Building materials, Compositions for hardening and waterproofing. Superfoe Company. 213,529-31; June 30.
Shingles, Starters for strip. Barber Asphalt Company. 213,474; June 30.

CLASS 14.

Metal. Copperweld Steel Company. 210,446; June 30.

CLASS 15.

Oils. C. C. Wakefield & Company. 213,539; June 30.

CLASS 16.

Paint. Gall, Oakley & Allen, Inc. 213,563; June 30.

CLASS 19.

Automobiles, Snubbers and shock absorbers for. American Chain Company. 213,478; June 30.
Checks, Recoil. Chicago Roller Skate Company. 211,782; June 30.

CLASS 20.

Rugs. R. H. Macy & Co. 213,181; June 30.
Table coverings. T. R. Goodlaite & Sons, (Inc.) 214,475; June 30.

CLASS 22.

Balls, Golf. Schmelzer Company. 213,670; June 30.
Balls, Golf. United States Rubber Company. 213,692; June 30.
Balls, leaders, and snelled hooks for fishing tackle. F. S. Banks. 195,825; June 30.
Fish bait, Artificial. Brunworth & Geina. 213,158; June 30.
Fish stringers. Enterprise Manufacturing Company. 213,627; June 30.
Game, Board. Parker Brothers. 213,398; June 30.
Game, Board. Parker Brothers. 213,400; June 30.

CLASS 23.

Handles, Wooden tool. Turner, Day & Woolworth Handle Company. 210,094; June 30.

CLASS 28.

Lenses and eyeglass frames, Ophthalmic. California Optical Company. 212,591; June 30.
Scales, Weighing. Great Northern Mfg. Co. 212,698; June 30.

CLASS 31.

Refrigerating apparatus, Ammonia condensers for. Carbondale Machine Company. 212,119; June 30.

CLASS 34.

Grate bars. Thomas Grate Bar Co. 213,533; June 30.

CLASS 37.

Paper, Wrapping. Continental Paper & Bag Mills Corporation. 214,202; June 30.
Paper, Writing. Marcus Ward, Inc. 214,490; June 30.
Pencils. Julius Schmid, Inc. 214,185; June 30.
Pens, Fountain. New Diamond Point Pen Co. 213,521; June 30.

CLASS 38.

Magazine. P. J. Lennan & Co. 213,585; June 30.
Magazine, Monthly. Mcfadden Publications Incorporated. 214,027; June 30.
Magazine, Monthly. Smiles and Giggles Publishing Co. 214,100; June 30.
Magazines. Street & Smith Corporation. 214,221; June 30.
Musical compositions. L. Katzman. 213,974; June 30.
Newspaper, Daily. Philadelphia Tabloid Publishing Company. 213,914; June 30.
Newspaper section. Star Company. 214,444; June 30.
Picture trade paper, Motion. M. Crawford. 214,581; June 30.
Publications, Periodical. People's Monthly Company. 214,267; June 30.
Publications, Trade. McCready Publishing Company. 213,909; June 30.

CLASS 39.

Boots and shoes. G. E. Haldiastein. 198,865; June 30.
Boots and shoes. J. T. Read. 214,615; June 30.

PUBLISHED FOR OPPOSITION.

[Act of Feb. 20, 1905, Sec. 6, as amended Mar. 2, 1907.]

Boots and shoes. Stetson Shoe Company. 206,438; June 30.
Boots and shoes, Leather. Julian & Kokenge Company. 212,143; June 30.
Boots, shoes, and oxfords. Huiskamp Bros. Co. 194,349; June 30.
Boots, shoes, and slippers. Irving Drew Company. 211,272; June 30.
Cape. Siegel Brothers Inc. 214,281; June 30.
Coats and dresses. Abraham & Straus. 213,154; June 30.
Collars, pyjamas, night robes, underwear, and shirts. H. Berger. 212,315; June 30.
Cravats, Men's. Rothschild & Sons, Inc. 212,867; June 30.
Hats, Ladies'. Haas-Held Co. 189,050; June 30.
Hats, Men's. Murphy-German Company. 211,116; June 30.
Hats, Men's. H. Silverstein. 202,038; June 30.
Hats or caps. H. M. Buckley. 211,827; June 30.
Hosiery. Bia-Shone Hosiery Corporation. 213,613; June 30.
Hosiery. Glengair Company. 212,079; June 30.
Hosiery. John Wanamaker Philadelphia. 213,933; June 30.
Hosiery. United Hosiery Stores Co. 197,634; June 30.
Hosiery, Silk. Apex Hosiery Company. 213,882; June 30.
Rubber boots and shoes. Société Française Triangolnik. 181,658; June 30.
Rubber heels. Morse & Burt Co. 211,943; June 30.
Shirts, Men's negligee. S. F. Wilson and Co. 212,873; June 30.
Shoes. Charles A. Eaton Company. 213,166; June 30.
Shoes. Keehn Brothers. 214,021; June 30.
Shoes. J. A. Legg. 212,820; June 30.
Shoes. Wm. H. Walker & Co. 210,302; June 30.
Shoes. Plant Bros. & Co. 212,828; June 30.
Slips, bloomers, petticoats, etc., Knitted ladies'. R. H. Sircom Company. 212,969; June 30.
Soles, Leather. Williams Cut Sole Company. 206,205; June 30.
Suits and overcoats. A. B. Kirschbaum Company. 212,927–30; June 30.
Suits and topcoats. Lippman & Adasko. 213,847; June 30.
Swagger sticks. W. Brewer. 213,688; June 30.
Underskirts, bloomers, vests, dresses, etc. L. H. Pierce. 211,123; June 30.
Underwear. John E. Hanifen Company. 212,808; June 30.
Underwear, Athletic. Regatta Manufacturing Co. 213,101; June 30.
Union suits, underwear, pyjamas, shirts, and boys' blouses. W. Abrams. 208,887; June 30.

CLASS 42.

Cotton piece goods. Monarch Mills. 214,264; June 30.
Cotton piece goods. A. E. Smith. 212,835; June 30.
Crêpe in the piece, Silk. Garfinkel & Ritter. 211,675; June 30.
Fabrics, Pile. Sidney Blumenthal & Co. 214,233; June 30.
Handkerchiefs. Herrmann Handkerchief Co. 207,133; June 30.
Linens, Decorative. Artmart Linen Co. 210,333; June 30.
Nettings, scrims, marquisettes, and mosquito-net canopies. W. E. Chappell. 213,829–30; June 30.
Sheets, bedspreads, and pillowcases. Schindel-McDaniels. 214,281; June 30.
Silk and cotton fabric in the piece, Artificial. Lorraine Manufacturing Co. 213,445; June 30.
Silk and cotton goods in the piece. Wm. Simpson, Sons & Co. 213,926; June 30.
Silk, cotton, and wool piece goods. Haas Brothers Fabrics Corporation. 213,968; June 30.
Silk, linen, and mixtures of silk and linen piece goods. Jacob Miller's Sons Co. 212,017; June 30.
Silk piece goods. Wechsler Barber Silk Company. 213,940; June 30.
Silk piece goods. Zollinger & Schroth, Inc. 214,447; June 30.
Silk, wool, and cotton piece goods. Haas Brothers Fabrics Corporation. 213,966; June 30.
Silk, wool, and cotton piece goods. Haas Brothers Fabrics Corporation. 214,414; June 30.
Woolen goods in the piece. Rock River Woolen Mills. 214,121; June 30.

CLASS 44.

Sanitary napkins. W. T. Grant Company. 212,179; June 30.
Teeth, Artificial. S. S. White Dental Manufacturing Company. 209,189–90; June 30.

CLASS 45.

Beverage. Springfield Coca Cola Bottling Company. 211,975; June 30.
Beverages. Bailis Bros. 213,681; June 30.
Beverages. E. Ducharme. 213,702; June 30.
Water, Mineral. Park Lane Corporation. 214,437; June 30.

CLASS 46.

Apples, Fresh. Methow-Pateros Growers, Inc. 214,266; June 30.
Bread. F. B. Washburn & Co. 212,484; June 30.
Butter and eggs. A. Nielsen. 213,458; June 30.
Cakes. L. I. Hochstein. 207,869; June 30.
Candy. Bachman Chocolate Manufacturing Company. 214,391; June 30.
Candy. Fair Play Caramels, Inc. 206,231; June 30.
Candy. H. Maillard. 213,066; June 30.
Candies. Beech-Nut Packing Company. 194,042; June 30.
Canned and dried fruits and canned vegetables. Smith-Frank Packing Company. 214,283; June 30.
Canned corn. Witman-Schwarz Corp. 206,243; June 30.
Canned fruit and pineapple. Griffith-Durney Co. 213,076; June 30.
Canned fruit, vegetables, pineapple. Griffith-Durney Co. 213,077; June 30.
Canned fruits, vegetables, pineapple, and sardines. Griffith-Durney Co. 213,075; June 30.
Canned herrings. Fredrikstad Preserving Co. 202,940; June 30.
Canned pineapple. Griffith-Durney Co. 213,225; June 30.
Canned salmon. Booth Fisheries Company. 213,949; June 30.
Canned vegetables. Sumter Packing Company. 213,978; June 30.
Canned vegetables and fruits. Milton Canning Company. 213,025–6; June 30.
Cheese and sandwich spreads. A. H. Utgard. 207,275; June 30.
Chocolate and cocoa. Ljungs Chocladt- & Cacao-Fabrik. 209,929; June 30.
Chocolates, Assorted. J. Vinikow. 211,507; June 30.
Coffee. John H. Wilkins Co. 214,302; June 30.
Flavorings and flavoring extracts. Star Extract Works, Inc. 176,509; June 30.
Flour, Patent wheat. Duluth Universal Milling Company. 211,020; June 30.
Flour, Self-rising. Ballard & Ballard Co. 196,785; June 30.
Flour, Wheat. Federal Mill & Elevator Co. 213,290; June 30.
Flour, Wheat. R. H. Mahon. 209,417; June 30.
Food, Breakfast. Miner-Hillard Milling Co. 207,624; June 30.
Fruits and pomegranates, Fresh citrous. C. Westgard. 201,521; June 30.
Grapes, Fresh. Mettler Fruit Co. 214,174; June 30.
Honey. E. P. Yaple. 211,731; June 30.
Mash, scratch feed, hog chops, etc., Egg. Federated Cereal Mills of America. 206,289; June 30.
Milk. G. G. Finley. 212,549; June 30.
Milk, Evaporated. Pet Milk Company. 211,120; June 30.
Sausage. Kuhrs Packing Company. 214,426; June 30.
Sirup, Malt. Bay City Milling Company. 211,733; June 30.
Sirup, Malt. Gold Star Products Co. 211,842; June 30.
Tea. C. D. Kenny Co. 210,865; June 30.
Vinegar, chowchow, mustard, etc. Haarmann Vinegar & Pickle Co. 211,742–3; June 30.

CLASS 48.

Barley-malt extract. Baker-Boltz Company. 210,532; June 30.

ALPHABETICAL LIST OF PATENTEES

TO WHOM

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Aubbott, James N., Christopher, Ky. Tire for mine-locomotive wheels. 1,543,971; June 30.
Abercrombie, James E. (See Cameron, H. S., and Abercrombie.)
Abrams, Herbert T. (See Bayles, L. C., and Abrams.)
Absolute Con-Tac-Tor Corporation. (See Phelan, Louis A. M., assignor.)
Adams, Charles E., and F. J. Metzger, New York, N. Y., assignors to Air Reduction Company, Incorporated. Illuminated instrument. 1,543,973; June 30.
Adams, Thomas O., assignor to The Wise-McClung Manufacturing Company, New Philadelphia, Ohio. Nozzle and brush adjusting device. 1,543,972; June 30.
Adams, Walter A., Rochester, N. Y. Workbench. 1,544,292; June 30.
Addis, Charles N., Downers Grove, assignor to P. H. Appell, Evanston, Ill. Truing up connecting rods, pistons, etc. 1,543,812; June 30.
Advance Machine Company. (See Antoine, A. D., Richardson, and Gebert, assignors.)
Advance Manufacturing Company, The. (See Saborsky, Arthur D., assignor.)
Agasote Millboard Company, The. (See Cormie, John, assignor.)
Air Reduction Company. (See Adams, C. E., and Metzger, assignors.)
Air Reduction Company. (See Holderer, George B., assignor.)
Aktiebolaget Ars. (See Haskit, Max, assignor.)
Alaska Refrigerator Company, The. (See Gillard, James L., assignor.)
Alden, Herbert W., assignor to The Timken-Detroit Axle Company, Detroit, Mich. Differential mechanism and assembling same. 1,544,363; June 30.
Alexander, Verne P., assignor of one-half to N. Koenig, Chicago, Ill. Bank novelty. 1,543,658; June 30.
Allen, Claud E., Moncton, New Brunswick, Canada. Anchor. 1,544,121; June 30.
American Dressler Tunnel Kilns, Inc. (See Dressler, Conrad, assignor.)
American Equipment Company, The. (See Dickinson, William W., jr., assignor.)
American Hardware Corporation, The. (See Henry, William K., assignor.)
American Hoist & Derrick Co. (See Crosby, Oliver, assignor.)
American Lurgi Corporation. (See Weidmann, Hans, assignor.)
American Machine & Foundry Company. (See Bronander, Wilhelm B., assignor.)
American Machine & Foundry Company. (See Gwinn, G. W., and Bronander, assignors.)
American Machine & Foundry Company. (See Gwinn, George W., assignor.)
American Machine and Foundry Company. (See Klein, Maximilian, assignor.)
American Rolling Mill Company, The. (See Tytus, John B., assignor.)
American Telephone and Telegraph Company. (See Hunter, Russell N., assignor.)
American Telephone and Telegraph Company. (See Ilgenfritz, Lester M., assignor.)
American Telephone and Telegraph Company. (See Parker, E. D., and Vernam, assignors.)
Ammidon and Company. (See Momberger, William G., assignor.)
Anakin Lock & Alarm Co. (See Murray, Walter E., assignor.)
Anderson-Barngrover Mfg. Co. (See Wellman, Harvey P., assignor.)
Anderson, Charles O., Omaha, Nebr. Adjusting means for railway brakes. 1,544,053; June 30.
Anderson, Klaus, Savannah, Ga. Camera. 1,543,741; June 30.
Anderson, Walter S. (See Udale, S. M., and Anderson.)
Anshen, Louis J., Providence, R. I. Watch book. 1,544,538; June 30.
Antoine, Alfred D., M. H. Richardson, Chicago, and A. H. Gebert, Wilmette, assignors to Advance Machine Company, Chicago, Ill. Picture-exhibiting apparatus. 1,544,364; June 30.
Appell, Paul H. (See Addis, Charles N., assignor.)
Armstrong, Edwin J., assignor to Erie Steam Shovel Company, Erie, Pa. Excavating machine. 1,544,054; June 30.
Arnold, Harold A., et al. (See Huff, Bert M., assignor.)
Aronson, Harvey M., et al. (See Lindenlauf, Joseph, assignor.)
Arpin, John E., Wisconsin Rapids, Wis. Plant for separating coke. 1,544,365; June 30.
Arpin, John E., Wisconsin Rapids, Wis. Centrifugal separator. 1,544,366; June 30.
Arrow Electric Company, The. (See Nero, Arvid H., assignor.)
Ashworth, Everett, New York, N. Y., assignor to Westinghouse Electric & Manufacturing Company. Motor for gathering reels. 1,543,690; June 30.
Atlas Engineering Works, The. (See Lovell, W. H., and Brown, assignors.)
Atwood, George F., Newark, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Impulse-generating device. 1,543,813; June 30.
Automatic Electric Company. (See Eriksson, Charles J., assignor.)
Automatic Electric Company. (See Madsen, Fred T., assignor.)
Avery, Meredith D., Chicago, Ill. Method of and apparatus for purifying liquids. 1,544,052; June 30.
B. B. Specialty Company. (See Burke, Claton E., assignor.)
Babcock & Wilcox Company, The. (See Sargent, F., and Jacobus, assignors.)
Babitzky, Samuel, Chicago, Ill. Closure for receptacles. 1,543,742; June 30.
Badische Anilin- & Soda-Fabrik. (See Lüttringhaus, A., and Kačer, assignors.)
Bahnson, Frederic F., Winston-Salem, N. C. Automatic control for humidifiers. 1,544,418; June 30.
Bahun, Mark, Ironwood, Mich. Lock. 1,544,419; June 30.
Baits, Stuart G., assignor to Hudson Motor Car Company, Detroit, Mich. Combined spring shackle and shock absorber. 1,543,659; June 30.
Baker, James H., assignor to E. Westberg, Los Angeles, Calif. Pneumatic pressure device. 1,543,897; June 30.
Baldwin, Andrew J., Pikeville, Ky. Mine-car coupling. 1,544,203; June 30.
Ballard, Chester A., Terre Haute, Ind. Lock and handle for bowling balls or the like. 1,543,743; June 30.
Ballou, B. A. & Co. (See Morehouse, Eugene, assignor.)
Balmer, J. H., Co. (See Balmer, John H., assignor.)
Balmer, John H., Maplewood, assignor to J. H. Balmer Co., Newark, N. J. Towel-bar post. Des. 67,681; June 30.
Banner, Otto A., assignor to The Falk Corporation, Milwaukee, Wis. Oil engine. 1,544,524; June 30.
Banning, Jane M., Hinsdale, Ill. Hammock. 1,543,814; June 30.
Barclay, George P., Uniontown, Pa. Ice-cream-filling machine. 1,544,122; June 30.
Barnes, Herman E., Houston, Tex. Lapping and grinding machine. 1,543,974; June 30.
Barney, Edwin E., New Rochelle, assignor to Remington Typewriter Company, Ilion, N. Y. Typewriting machine. 1,544,204; June 30.
Barrett, Richard L., Chicago, Ill. Grease cup. 1,544,205; June 30.
Barron, Andrew J., Cincinnati, Ohio, assignor, by mesne assignments, to Phoenix Horse Shoe Company, New York, N. Y. Automotive-vehicle cross spring seat. 1,543,898; June 30.
Barschow, Hubert A., Laporte, Ind., assignor to E. Hoffman, Cleveland, Ohio. Thermostatic regulator for ovens. 1,543,744; June 30.
Barton, Perry F., Escalon, Calif. Trash-dumping weeder. 1,544,123; June 30.
Basterreix, Pierre P., Butte, Mont. Signal lamp. 1,544,420; June 30.
Bausman, Alonzo L., assignor to National Equipment Company, Springfield, Mass. Machine for automatically molding confections. 1,543,745; June 30.
Baumbach, Emil A., Chicago, Ill. Punch-holder jack. 1,543,661; June 30.
Baumgartener, Otto G., Wrightstown, Wis. Pulley handler and rope catcher. 1,544,124; June 30.
Baverey, François, assignor to Societe du Carburateur Zenith, Lyon, France. Carburetor. 1,543,975; June 30.
Bayles, Lewis C., Easton, Pa., and H. T. Abrams, Orange, assignors to Ingersoll-Rand Company, Jersey City, N. J. Fluid-pressure pumping apparatus. 1,543,815; June 30.

Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Valve for rock drills. 1,543,816; June 30.

Bayles, Lewis C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Pressure-regulating device. 1,543,817; June 30.

Baylor, Harry D., Sellersburg, Ind., assignor to Louisville Cement Company, Louisville, Ky. Plaster. 1,544,421; June 30.

Beach, H. D., Company. (See Gibson, Francis W., assignor.)

Beard, Henry C., Sour Lake, assignor of one-half to Mrs. N. A. Cravens, Silsbee, Tex. Tank thief. 1,544,206; June 30.

Beat, William N., Cicero, Ill. Golf club. 1,543,691; June 30.

Beaven, W. J. (See Williams, Clinton F., assignor.)

Becket, Frederick M., assignor to Electric Metallurgical Company, New York, N. Y. Welding rod. 1,544,422; June 30.

Beers, Boyce L., assignor to The Underfeed Stoker Company of America, Detroit, Mich. Tuyère structure for single-retort stokers. 1,544,207; June 30.

Behymer, Ida H., Redlands, Calif. Child's folding chair. 1,544,423; June 30.

Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Vehicle body. 1,543,818; June 30.

Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Motor vehicle. 1,543,819; June 30.

Belden, Edward H., assignor to The Willys-Overland Company, Toledo, Ohio. Automobile frame. 1,543,820; June 30.

Bell, Gerald G., Ottawa, Ontario, Canada. Rail coach. 1,544,128; June 30.

Bellido, Hernán C., assignor to A. de la Fuente y Quiñones, Habana, Cuba. Wrapping machine. 1,544,129; June 30.

Belot, Emile, Paris, France. Continuous machine for the froning of tobacco leaves and for flattening the ribs of the same. 1,543,976; June 30.

Bemiss, George. (See Powell, J. M., and Bemiss.)

Bemiss, James F., Brooklyn, N. Y. Universal coupling. 1,543,977; June 30.

Benner, Harry P. (See Egloff, G., and Benner.)

Bennett, Ashley C., Minneapolis, Minn. Oil burner. 1,544,208; June 30.

Benton, George W., Conneaut, Ohio. Machine for making handle grips. 1,543,748; June 30.

Bernard, William A., assignor to The William Schollhorn Company, New Haven, Conn. Hand tool. 1,543,890; June 30.

Bernhardt, Paul A., assignor to Loeffelholz Co., Milwaukee, Wis. Ventilator. 1,544,209; June 30.

Berry, Edward R., Malden, Mass., assignor to General Electric Company. Quartz working. 1,544,293; June 30.

Berry, Perrin L., Water Valley, Miss. Permutation lock. 1,544,424; June 30.

Bertels, Arnold S., Tenafly, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Testing system for automatic telephone switches. 1,543,900; June 30.

Bethlehem Steel Company. (See Ibach, Emil, assignor.)

Bethlehem Steel Products Company. (See Hildebrand, Henry Y., assignor.)

Bicknell, Frank P., Denver, Colo. Labeling device. 1,542,901; June 30.

Biebel, Herman M., Oakmont, Pa., assignor to Westinghouse Electric and Manufacturing Company. Oven. 1,543,692; June 30.

Bierce, Ernest C., assignor to Refineries Clay Co., Los Angeles, Calif. Treating colloidal clay. 1,544,210; June 30.

Bihl, Charles H., Ira, Tex. Cotton chopper. 1,544,2[illegible]; June 30.

Birdwell, Hubert A. (See Walker, W. S., and Birdwell.)

Black, Arthur F., Selby, Calif. Shock absorber. 1,543,978; June 30.

Black, Arthur F., Selby, Calif. Shock absorber. 1,543,979; June 30.

Blackburn, Jasper, Webster, Mo. Foot speed selector for automobile transmissions. 1,543,821; June 30.

Blaicher, Ernest C., Belmar, assignor to Interstate Smelting and Refining Co., Inc., Newark, N. J. Making finger rings. 1,544,367; June 30.

Blank, Joseph, Newport, Ky., assignor to J. A. Fay & Egan Company, Cincinnati, Ohio. Scroll saw. 1,544,425; June 30.

Blaschke, John G., Hot Springs, Ark. Perfume vaporizer. 1,544,212; June 30.

Blood, Roy F., Rochester, N. Y. Cabinet. 1,543,980; June 30.

Blum, Carl R., Berlin-Schoneberg, Germany. Indicator for the reproduction of music. 1,544,428; June 30.

Blum, Carl R., Berlin-Schoneberg, Germany. Reproduction of music in synchronism with moving pictures. 1,544,427; June 30.

Board, Edward, Philadelphia, Pa. Bearing for rotors of radio apparatus. 1,543,902; June 30.

Boehmer, Norris. (See Ellis, C., and Boehmer.)

Boltz, Adam, Glendale, N. Y. Puzzle. 1,543,693; June 30.

Booth, Levis, Plainfield, N. J. Manufacturing pulp or paper. 1,543,663; June 30.

Booth, William T., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Calling device. 1,543,662; June 30.

Bott, George E. (See Mueller, F. E., and Bott.)

Bouché, William F., Lancaster, N. Y., assignor, by mesne assignments, to The Gould Coupler Company. Electrical system of distribution. 1,543,981; June 30.

Boyd, Alexander H. (See Breniser, Orson W., assignor.)

Brand & Oppenheimer, Incorporated. (See Zoline, Orrin E., assignor.)

Brandes, C., Inc. (See Dietrich, Frederick, assignor.)

Brandwood, John, T., and J., Elton, Bury, England. Fluted spindle. 1,543,660; June 30.

Brandwood, Joseph. (See Brandwood, John, T., and J.)

Brandwood, Thomas. (See Brandwood, John, T., and J.)

Branning, George, Ross Township, Allegheny County, assignor to N. Branning, Pittsburgh, Pa. Game. 1,544,515; June 30.

Branning, Neille. (See Branning, George, assignor.)

Brautigam, John M., Indianapolis, Ind. Sectional folding minnow trap. 1,544,213; June 30.

Breisig, Franz, Berlin, Germany. Method and arrangement for determining crosstalk in multicircuit systems. 1,544,127; June 30.

Breniser, Orson W., assignor of one-half to A. H. Boyd, Philadelphia, Pa. Hair curler. 1,544,425; June 30.

Brennan, Frank C., St. Louis, Mo. Sand-finish float. 1,544,368; June 30.

Brey, Victor A., Minneapolis, Minn. Footprinting or impression. 1,543,747; June 30.

Breyley, Rupert, Painesville, Ohio. Car stop. 1,544,369; June 30.

Bronander, Wilhelm B., Montclair, N. J., assignor to American Machine & Foundry Company. Package sealing, stamping, and recording machine. 1,543,922; June 30.

Bronander, Wilhelm B. (See Gwinn, G. W., and Bronander.)

Brown, George G., Huntington, W. Va. Heater. 1,543,748; June 30.

Brown, H. L., et al. (See McDonald, Harry D., assignor.)

Brown, John, Wenatchee, Wash. Box-stamping machine. 1,544,429; June 30.

Brown, Martin W. (See Lovell, W. H., and Brown.)

Brown, Mary B., Brooklyn, N. Y. Drainer for sinks. 1,544,430; June 30.

Brown, Peter, assignor of one-third to D. A. Landress, Chattanooga, Tenn. Reversible auto light. 1,543,982; June 30.

Brown, W. H. (See Vowell, Groves C., assignor.)

Broyles, John E., Coco Solo, Canal Zone. Airship. 1,544,431; June 30.

Bruna, Alfred E., assignor to Metal Package Corporation of New York, New York, N. Y. Combined box cover and picture frame. 1,544,214; June 30.

Brush, Bert H. (See Jones, M. W., and Brush.)

Bryant Electric Company, The. (See Goodridge, Gilbert W., assignor.)

Budd, Edward G., Manufacturing Company. (See Lodwinks, Joseph, assignor.)

Budd, Selden J., Manhasset, N. Y., and J. C. Ford, Woodbury, N. J. Fishing reel. 1,544,128; June 30.

Budd, Walter P. (See Harward, V. J., and Budd.)

Burke, Claton E., assignor to B. B. Specialty Company, Minneapolis, Minn. Snow pusher. 1,544,370; June 30.

Burns, Elmer Z., Madison, N. J., assignor to Thermogen Equipment Company, Inc. Automatic draft controller. 1,543,983; June 30.

Burt, Hugh V., Rock Island, Ill. Fish lure. 1,544,129; June 30.

Buscher, Henry, West Hoboken, N. J. Punch-press unloader. 1,543,623; June 30.

Buschman, Abraham L., New York, N. Y. Floral lamp socket. 1,544,371; June 30.

Butler, Arthur C., Boston, Mass. Drawing mechanism. 1,543,984; June 30.

Buxton, Incorporated. (See Buxton, Warner R., assignor.)

Buxton, Warner R., Longmeadow, Mass., assignor to Buxton, Incorporated. Case for keys and the like. 1,543,749; June 30.

Caldwell, Harold L. and M. A., assignors to The Caldwell Manufacturing Company, Columbus, Ohio. Infant's dressing table. 1,543,985; June 30.

Caldwell, Lyle, Lompoc, assignor to The Celite Company, Los Angeles, Calif. Heat-insulating composition. 1,544,215; June 30.

Caldwell Manufacturing Company, The. (See Caldwell, Harold L. and M. A., assignors.)

Caldwell, Marcus A. (See Caldwell, Harold L. and M. A.)

Callowhill, Percy J., assignor to Theodore W. Foster & Bro. Company, Providence, R. I. Mirror or similar article. Des. 67,682; June 30.

Camel Company. (See Creer, Hugh E., assignor.)

Camel Company. (See Elliott, Percy M., assignor.)

Cameron, Harry S., and J. S. Abercrombie, Houston, Tex. Casing perforator. 1,543,908; June 30.

Campbell, Donald J., Muskegon Heights, Mich. Molding apparatus. 1,544,216; June 30.

Campbell, J. B., Manufacturing Co. (See Siegel, Samuel J., assignor.)

Campbell, James C. (See Hatcher, O. M., and Campbell.)

Campbell, Lester E., Mobile, Ala. Metal wheel block. 1,544,372; June 30.

Capes, Delbert E., Chicago, Ill. Brake-operating means for vehicles. 1,543,664; June 30.

Carborundum Company, The. (See Power, Henry E., assignor.)

Carlstedt, Gustav A., Edmonds, Wash. Egg-grading scale. 1,544,432; June 30.

Carr, Arthur J., Houston, Tex. Safety slip for holding pipe in wells. 1,543,904; June 30.

Cary Manufacturing Co. (See McCheaney, John S., assignor.)

Cary Manufacturing Co. (See Ragona, Vincent, assignor.)

Castricum, Martin, Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Preparing cord fabric. 1,544,217; June 30.

Celite Company, The. (See Caldwell, Lyle, assignor.)

Celite Company, The. (See Coes, Harold T., assignor.)

Celite Company, The. (See Teitsworth, Clark S., assignor.)

Chadeloid Chemical Company. (See Ellis, Carleton, assignor.)

Chadeloid Chemical Company. (See Ellis, C., and Boehmer, assignors.)

Chambers, John E., Shelbyville, Ind. Cooking stove. 1,543,694; June 30.

Champion, C. V., & Company. (See Champion, Charles V., assignor.)

Champion, Charles V., assignor to C. V. Champion & Company, Danville, Ill. Display case. 1,544,218; June 30.

Chisholm, Stanley L. (See Wilson, R. E., Parsons, and Chisholm.)

Christensen, Herman. (See Vincent, Ernest H., assignor.)

Christensen, Niels C., Salt Lake City, Utah. Concentrating solutions. 1,544,130; June 30.

Cincinnati Car Company, The. (See Elliott, Thomas, assignor.)

Claude, Georges, Paris, France, assignor, by mesne assignments, to Lazote, Inc. Direct synthesis of ammonia. 1,544,373; June 30.

Clawson, Monroe S., Upper Montclair, N. J. Lined crucible. 1,543,905; June 30.

Clinch, George B., Mulberry, Fla. Centrifugal washing and drying apparatus. 1,543,986; June 30.

Colby, Ora A., Irwin, Pa., assignor to Westinghouse Electric & Manufacturing Company. Brass-melting furnace. 1,543,695; June 30.

Cole, Raymond A., assignor to Norton Company, Worcester, Mass. Grinding machine. 1,544,545; June 30.

Collar, Lloyd D., assignor to Collar Valve Corporation, Oakland, Calif. Valve. 1,544,219; June 30.

Collar Valve Corporation. (See Collar, Lloyd D., assignor.)

Collins, William P., San Francisco, Calif. Door handle. Des. 67,683; June 30.

Colloidal Soap Products Corporation. (See Pettit, Robert M., assignor.)

Colman, Howard D., Rockford, assignor, by mesne assignments, to E. S. Netherent, Evanston, Ill. Warping. 1,544,035; June 30.

Columbia Mills, The. (See Myers, Eleazar, assignor.)

Columbia Phonograph Company. (See Whitten, Francis S., assignor.)

Columbian Carbon Company. (See Lewis, George C., assignor.)

Comfort, Edward W., Winchester, assignor to Parks-Cramer Company, Boston, Mass. Hygrometric indicator, recorder, and regulator. 1,544,516; June 30.

Congoleum Company, The. (See Van Bibber, Arthur R., assignor.)

Conill, Fernman O., Marseille, France. Razor construction. 1,544,374; June 30.

Conklin, John M., Bell, Calif. Electric four-wheel automobile transmission. 1,544,517; June 30.

Connor, James F., Cleveland, Ohio. Cuff link. 1,544,131; June 30.

Conrad, Frank, Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Regulator system. 1,543,696; June 30.

Conrad, Hollis C., Jacksonville, Fla. Amusement house. 1,544,220; June 30.

Conway, Roy D., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Alarm system for automatic telephone exchanges. 1,543,665; June 30.

Cook, Henry, Weiston, Ohio. Nut lock. 1,544,132; June 30.

Cook, William H., Lee, Mass. Expansible rim. 1,544,375; June 30.

Cooney, Henry, Sugar Grove, Ohio. Blending light hydrocarbons. 1,543,750; June 30.

Copley, Almon W., and R. D. Evans, Wilkinsburg, Pa., assignors to Westinghouse Electric and Manufacturing Company. System of distribution. 1,543,697; June 30.

Cormie, John, assignor to The Agasote Millboard Company, Trenton, N. J. Building construction. 1,543,698; June 30.

Corning Glass Works. (See Littleton, J. T., jr., and Fulcher, assignors.)

Corning Glass Works. (See Hilbert, Otto W., assignor.)

Corning Glass Works. (See Murphy, John W., assignor.)

Cornwall & Patterson Manufacturing Company, The. (See Slattery, John W., assignor.)

Coes, Harold T., Lompoc, assignor to The Celite Company, Los Angeles, Calif. Semirefractory heat-insulating composition, products, and making of the same. 1,544,433; June 30.

Countryman, John V., Selma, Iowa. Shingling bracket. 1,544,221; June 30.

Craft, Edward B., Hackensack, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,543,824; June 30.

Crane Packing Company. (See Walton, Julian M., assignor.)

Crane, Samuel G., assignor to Toledo Scale Company, Toledo, Ohio. Electric-check-printing scale. 1,543,751; June 30.

Cravens, Mrs. N. A. (See Beard, Henry C., assignor.)

Creed, Frederick G., Croydon, England. Telegraphic receiving apparatus for producing punched tape. 1,543,906; June 30.

Creer, Hugh E., assignor, by mesne assignments, to Camel Company, Chicago, Ill. Door-operating mechanism. 1,544,376; June 30.

Crichton, Leslie N., Edgewood Park, Pa., assignor to Westinghouse Electric and Manufacturing Company. Disconnecting switch. 1,543,699; June 30.

Cromartie, George G., East Orange, and E. W. Nielsen, Newark, N. J. Receiver. 1,543,907; June 30.

Crosby, Oliver, assignor to American Hoist & Derrick Co., St. Paul, Minn. Dipper-tooth point for excavating shovels. 1,544,222; June 30.

Crystal Waxing Company, The. (See Muchmore, William H., assignor.)

Culver, Clarence C., Washington, D. C. Tridimensional radio compass. 1,544,133; June 30.

Cutler-Hammer Mfg. Co., The. (See Re Qua, Frederick L., assignor.)

Dahlberg, C. F. (See Shaw, John K., assignor.)

Dalton, Hubert, Stamford, Conn. Clutch mechanism for motor-driven power-supply units. 1,544,377; June 30.

Daly Manufacturing Company, The. (See Snow, Arthur L., assignor.)

Darnic, Samuel J., Washington, D. C. Dress attachment. 1,544,223; June 30.

Darlington, George W., San Pedro, Calif. Polish for automobiles and the like. 1,544,224; June 30.

Daugherty, Elmo M., Webb City, Mo. Ore jig. 1,543,987; June 30.

Daugherty, Joseph E. (See Tolbert, James, assignor.)

Davenport Machine & Foundry Company. (See Hansen, Charles, assignor.)

David, Joseph A., Elizabeth, N. J. Blade construction for paddle wheels. 1,544,134; June 30.

Davies, Josiah, Oshawa, Ontario, Canada. Parlor baseball game. 1,543,700; June 30.

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Shuttle-feeler thread parter and clamp. 1,544,526; June 30.

Davis, Harry A., assignor to Draper Corporation, Hopedale, Mass. Loom shuttle. 1,544,527; June 30.

Davis, Verner F., West Orange, N. J. Flush valve. 1,543,988; June 30.

Dawes, Elizabeth M., executrix. (See Dawes, John L.)

Dawes, John L., deceased, Pittsburgh, Pa.; E. M. Dawes, executrix. Sign. Des. 67,684; June 30.

Dearborn Brass Company. (See Durey, Carl E., assignor.)

De Barros, Jose, Sacramento, Calif. Shoe-lace fastener. 1,544,225; June 30.

De Bus, Louis K., Cincinnati, Ohio. Handle for golf sticks. 1,544,226; June 30.

Deck, Lee, Shreveport, La. Combined testing pump and gauge. 1,543,989; June 30.

De Forest, Lee, New York, N. Y., assignor, by mesne assignments, to De Forest Phonofilm Corporation, Jersey City, N. J. Electrical means for producing musical notes. 1,543,990; June 30.

De Forest Phonofilm Corporation. (See De Forest, Lee, assignor.)

De la Fuente y Quiñones, Alfredo. (See Bellido, Hernán C., assignor.)

Denk, Emil S., St. Louis, Mo. Machine for marking enameled ware. 1,544,135; June 30.

De Pampihilis, Gennaro, New York, N. Y. Printing gauge. 1,543,991; June 30.

De Pree, Edward J. (See Van Zoeren, G. J., and De Pree.)

Detrick, M. H., Company. (See Hoebein, Louis H., assignor.)

Diamond Electric Specialties Corporation. (See Kahn, W. D., and Thomson, assignors.)

Dickey, Daniel A., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Mold for propellers. 1,543,701; June 30.

Dickinson, William W., jr., Little Rock, Ark., assignor to The American Equipment Company, Chicago, Ill. Apparatus for transporting and setting brick and the like. 1,543,752; June 30.

Dietrich, Frederick, Flushing, assignor to C. Brandes, Inc., New York, N. Y. Electrical connection for telephone headsets. 1,544,136; June 30.
Dimick, Daniel B., Birmingham, Ala. Apparatus for molding pipe. 1,544,056; June 30.
Dimick, Daniel B., Birmingham, Ala. Cast pipe and joint therefor. 1,544,057; June 30.
Dimick, Daniel B., Birmingham, Ala. Pipe mold 1,544,058; June 30.
Dimick, Daniel B., Birmingham, Ala. Casting pipe. 1,544,059; June 30.
Dimick, Daniel B., Birmingham, Ala. Apparatus, for casting pipe. 1,544,060; June 30.
Dimick, Daniel B., Birmingham, Ala. Pattern for casting pipe. 1,544,061; June 30.
Dimick, Daniel B., Birmingham, Ala. Molding of spiral corrugated cast-iron pipe. 1,544,062; June 30.
Discrola, Inc. (See Jenkins, Charles F., assignor.)
Dobbin, Henry F., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,543,666; June 30.
Dobbin, Henry F., assignor to Western Electric Company, Incorporated, New York, N. Y. Switching device. 1,543,825; June 30.
Dodge, Winthrop R., Timmins, Ontario, Canada. Apparatus for electrodeposition of precious ores. 1,544,227; June 30.
Dolan, John K., Oakland, Calif. Rabbit hutch. 1,543,826; June 30.
Dominic, Charles G., assignor of one-fifth to W. J. Gear, Springfield, Mo. Thermostat sign flasher. 1,543,763; June 30.
Donahoe, Clara. (See Grady, Peter W., assignor.)
Doner, James. (See Hoar, Samuel T., assignor.)
Donnelly, Joseph W. (See Entwisle, T. J., Donnelly, and O'Mara.)
Donon, Pierre E. M., Paris, France. Device for the continuous and progressive control of a series of speeds. 1,543,754; June 30.
Dooley, John H., New Bedford, assignor to Whitin Machine Works, Whitinsville, Mass. Waste collector for combing machines. 1,544,228; June 30.
Doty, J. G., Pump Company. (See Doty, Jerald G., assignor.)
Doty, Jerald G., assignor to J. G. Doty Pump Company, St. Louis, Mo. Liquid-dispensing nozzle. 1,534,827; June 30.
Doughty, George D., Post, Tex. Cross-word-puzzle game. 1,544,434; June 30.
Doust, William J. (See Modrell, Fred H., assignor.)
Doyle, Ann G., Chicago, Ill. Combined shoe tree and drier. 1,543,828; June 30.
Doyle, Ann G., Chicago, Ill. Drier form. 1,543,829; June 30.
Draper Corporation. (See Davis, Harry A., assignor.)
Draper Corporation. (See Stimpson, Wallace L., assignor.)
Draper Corporation. (See Willard, George H., assignor.)
Dressler, Conrad, Cleveland, Ohio, assignor to American Dressler Tunnel Kilns, Inc., New York, N. Y. Continuous kiln and operating same. 1,543,830; June 30.
Drew, John E., assignor to Wade & Butcher Corporation, Jersey City, N. J. Hunting knife. Des. 67,685; June 30.
Dreyer, Otto, Essen-on-the-Ruhr, Germany. Device for protecting electrical circuits from overheating. 1,544,137; June 30.
Dreyer, Otto, Essen-on-the-Ruhr, Germany. Protective device for electric-current-consuming apparatus. 1,544,138; June 30.
Driemeyer, Edward W., Cincinnati, Ohio, assignor to The K-D Lamp Company. Vehicle lamp. Des. 67,686; June 30.
Driscoll, Con, Oilfields, Calif. Nut lock. 1,544,378; June 30.
Dubbs, Carbon P., Wilmette, assignor, to Universal Oil Products Company, Chicago, Ill. Apparatus for treating hydrocarbon oils. 1,543,831; June 30.
Dubbs, Carbon P., Wilmette, assignor to Universal Oil Products Company, Chicago, Ill. Treating hydrocarbon oils. 1,543,832; June 30.
Ducios, Gustave, Lowell, Mass. Film gripper and holder. 1,544,139; June 30.
Dudley, Benjamin B., Visalia, Calif. Folding cot. 1,544,140; June 30.
Dufault, John A., Cleveland, Ohio. Button fastener. 1,544,087; June 30.
Duncan, William Y., jr. (See Kearns, J., and Duncan.)
Dunwoody, Henry H. C., Washington, D. C. Telephone-transmitter amplifier and repeater. 1,543,992; June 30.
Du Rees, Alexander I. G., Winnetka, Ill. Crosschain connecter for antiskid chains. 1,543,702; June 30.
Durey, Carl E., assignor to Dearborn Brass Company, Cedar Rapids, Iowa. Waste-valve-controlling device. 1,544,068; June 30.
Duro Pump and Manufacturing Company, The. (See Eisenhauer, Charles P., assignor.)
Dusseris, Henri P. E. S., Paris, France. Apparatus for movable publicity. 1,544,435; June 30.
Dyer, Frank L., Montclair, N. J. Magnetic recorder. 1,544,379; June 30.
Dyer, Harry W., New York, N. Y. Revolving door. 1,543,703; June 30.
Dykmans, Joseph, assignor to Société Anonyme Imexinel, Brussels, Belgium. Electric liquid heater. 1,544,294; June 30.
Dyrssen, Waldemar, New York, N. Y. Operating electric furnaces. 1,543,908; June 30.
Dryssen, Waldemar, Tarrytown, N. Y. Apparatus for heating air and gases. 1,543,909; June 30.
Easterday, Harry E., Martinsburg, and W. H. Kennedy, Bedington, W. Va. Wire support. 1,544,436; June 30.
Ebbesen, Peter, Hollywood, Calif. Lock. 1,543,755; June 30.
Economy Heater Co. (See Johnson, Lawrence E., assignor.)
Eddins, Rufus R., Marlin, Tex. Slip cover for automobiles. 1,544,141; June 30.
Eddy, Harold C., assignor to Petroleum Rectifying Company of California, Los Angeles, Calif. Electrical dehydrator for petroleum emulsions. 1,544,528; June 30.
Edgar, Frank M., assignor to Ternstedt Manufacturing Company, Detroit, Mich. Handle assembly. 1,544,229; June 30.
Edmond, Oscar G., assignor of one-half to White Pine Sash Company, Spokane, Wash. Relishing machine. 1,543,757; June 30.
Edmondson, Walter H., Anadarko, Okla. Attachment for cultivators. 1,544,295; June 30.
Edmonston, David B., Washington, D. C. Golf-practicing device. 1,544,380; June 30.
Edwards, Donald V., Troy, N. Y., assignor to Pittsburgh Transformer Company, Casing for electrical apparatus. 1,544,296; June 30.
Edwards, Joseph B., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Control dial. Des. 67,687; June 30.
Egloff, Gustav, and H. P. Benner, Independence, Kans., assignors to Universal Oil Products Company, Chicago, Ill. Treated carbonaceous fuel. 1,543,833; June 30.
Ehrhart, Raymond N., Edgewood, assignor to Elliott Company, Pittsburgh, Pa. Ejector. 1,543,834; June 30.
Eidlitz, Charles L., New York, N. Y., assignor to Metropolitan Electric Manufacturing Company. Safety Switch and fuse box. 1,544,089; June 30.
Einfeldt, Ernest E., assignor to G. W. French, J. L. Hecht, and W. H. Stackhouse, Davenport, Iowa, composing the firm of French & Hecht. Wheel structure. 1544,297; June 30.
Eisenhauer, Charles P., assignor to The Duro Pump and Manufacturing Company, Dayton, Ohio. Deep-well pump. 1,544,142; June 30.
Eldon, Albert J., Mount Vernon, assignor to The Hodgman Rubber Company, Tuckahoe, N. Y. Rubber doll. Des. 67,688; June 30.
Electro Metallurgical Company. (See Becket, Frederick M., assignor.)
Electro Metallurgical Company. (See Hambuechen, Carl, assignor.)
Elkington, William D., Eau Claire, Wis. Adjustable timing gear. 1,543,993; June 30.
Elliott Company. (See Ehrhart, Raymond N., assignor.)
Elliott-Fisher Company. (See Foothorap, Harry A., assignor.)
Elliott, Nellie S., executrix. (See Elliott, Percy M.)
Elliott, Percy M., deceased, Chicago, Ill.; N. S. Elliott, executrix, assignor to Camel Company, Chicago, Ill. Railway-car door. 1,544,208; June 30.
Elliott, Thomas, assignor to The Cincinnati Car Company, Cincinnati, Ohio. Railway-car window. 1,543,835; June 30.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Making chlorinated rubber. 1,544,529; June 30.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company, New York, N. Y. Making chlorinated rubber and products derived therefrom. 1,544,530; June 30.
Ellis, Carleton, and N. Boehmer, Montclair, N. J., assignors to Chadeloid Chemical Company. Chlorinating rubber. 1,544,531; June 30.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Making chlorinated rubber. 1,544,532; June 30.
Ellis, Carleton, Montclair, N. J., assignor to Chadeloid Chemical Company. Treating rubber. 1,544,533; June 30.
Ellis, Carleton, and N. Boehmer, Montclair, N. J.; said Boehmer assignor to Chadeloid Chemical Company, New York, N. Y. Chlorinated rubber product and making same. 1,544,534; June 30.
Ellis, Carleton, and N. Boehmer, Montclair, N. J., assignors to Chadeloid Chemical Company. Chlorinated rubber compounds and making same. 1,544,535; June 30.
Ellis, David S., Newtown, New South Wales, Australia. Telephone register. 1,544,437; June 30.
Elmen, Gustaf W., Bogota, and C. F. Ort, assignors to Western Electric Company, Incorporated, New York, N. Y. Method and system for amplifying variable currents. 1,544,381; June 30.
Elofson, John S., Hasty, Minn. Sanitary coupling device for pumps. 1,543,758; June 30.
English, John J., New York, N. Y. Furnace. 1,544,290; June 30.

Enslin, Herbert E., Beverly, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Edge-finishing machine. 1,543,756; June 30.
Entler, Viktor, Bremen, Germany. Combustion motor. 1,544,382; June 30.
Entwisle, Thomas J., J. W. Donnelly, and H. P. O'Mara, assignors of three-fourths to the said Entwisle and one-fourth to E. L. Martin, New Orleans, La. Tank-car valve. 1,544,143; June 30.
Eppenstein, Otto, assignor to the Firm of Carl Zeiss, Jena, Germany. Measuring device. 1,544,090; June 30.
Epprecht, Gottlieb, Ridgewood, N. J. Apparatus for purifying liquids. 1,544,383; June 30.
Erickson, Charles J., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,544,300; June 30.
Erie Steam Shovel Company. (See Armstrong, Edwin J., assignor.)
Erskine, James R., Jacksonville, Fla. Toe plate for automobile running boards. Des. 67,689; June 30.
Ertl, George J., assignor to Richardson Ball Bearing Skate Company, Chicago, Ill. Truck socket plate for roller skates. 1,543,910; June 30.
Esheiman, Edward H., Birmingham, Ala. Laundry and garment press. 1,544,539; June 30.
Evans, Robert D. (See Copier, A. W., and Evans.)
Evelyn, Harry C., Chicago, Ill. Signal for motor vehicles. 1,543,704; June 30.
Excelsior Tree Felling Saw Co. (See Hubbard, Moses G., assignor.)
Fahnestock, Archie P., assignor to Fahnestock Electric Company, Long Island City, N. Y. Spring terminal clip. 1,544,301; June 30.
Fahnestock Electric Company. (See Fahnestock, Archie P., assignor.)
Fairbanks, E. and T., and Company. (See Taylor, William H., assignor.)
Fales, George O., Omaha, Nebr. Vehicle direction signal. 1,543,759; June 30.
Falk Corporation, The. (See Brauner, Otto A., assignor.)
Fandrey, Albert J., Indianapolis, Ind. Air purifier and moistener. 1,543,760; June 30.
Fankhauser, William. (See Nitardy, F. W., Fankhauser, and Zachmann.)
Fay, J. A., & Egan Company. (See Blank, Joseph, assignor.)
Fekete, Stephen I., and M. H. Toncray, assignors to Hudson Motor Car Company, Detroit, Mich. Brake-operating means for automobiles. 1,544,302; June 30.
Fell, Frank W., Haworth, N. J. Ribbon. Des. 67,690; June 30.
Fell, Frank W., Haworth, N. J. Ribbon. Des. 67,691; June 30.
Fell, Frank W., Haworth, N. J. Ribbon. Des. 67,692; June 30.
Fellows, Martha D., South Pasadena, Calif. Lingerie clasp. 1,544,303; June 30.
Fenn, James A., assignor to Phoenix-Hermetic Company, Chicago, Ill. Sterilizing hermetically-sealed packages. 1,544,304; June 30.
Fenn, Margaret F. (See Fenn, William B., assignor.)
Fenn, William B., assignor to M. F. Fenn, Port Washington, N. Y. Method of and apparatus for sterilizing and sealing canned fruits, vegetables, or the like. 1,544,384; June 30.
Ferguson Bros. Mfg. Co. (See Wagner, Andrew, assignor.)
Ferguson, John G., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Inductometer. 1,543,994; June 30.
Fetter, Samuel H., assignor of one-half to T. J. Purdy, Sunbury, Pa. Road-repairing apparatus. 1,544,438; June 30.
Field, Joseph C., Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Signaling system. 1,543,836; June 30.
Fielder, Reuben E., New York, N. Y. Axle drive equipment for motor vehicles. 1,544,439; June 30.
Finley, Dozier, Berkeley, assignor to The Paraffine Companies, Inc., San Francisco, Calif. Roofing. 1,544,144; June 30.
Finley, Sam E., Atlanta, Ga. Making roadways. 1,544,440; June 30.
Fischer, Bernhard E., Omaha, Nebr. Device for killing rats, mice, or other rodents. 1,543,761; June 30.
Fischer, Charles, New York, N. Y. Spring band clasp. 1,543,837; June 30.
Fisher, David H., Albany, N. Y. Appliance carrier for automobiles. 1,543,995; June 30.
Fisher, George F., Roselle, N. J., assignor to Morgan & Wright, Manufacture of tire treads. 1,544,305; June 30.
Fisk Rubber Company, The. (See Castricum, Martin, assignor.)
Fisk Rubber Company, The. (See Hasseltine, Reginald, assignor.)
Fisk Rubber Company, The. (See Kelly, Herbert P., assignor.)
Fisk Rubber Company, The. (See Maynard, Charles E., assignor.)
Fisk Rubber Company, The. (See Midgley, Thomas, assignor.)
Fitzgerald, Maurice E., et al. (See Huff, Bert M., assignor.)
Flint, William G., Colton, Calif. Handle cup. Des. 67,693. June 30.
Flodin, Nels P., assignor to Lake Shore Engine Works, Marquette, Mich. Hoist. 1,543,705; June 30.
Fogarty, John G., assignor of one-half to S. Shepard, Rochester, N. Y. Excavating machine. 1,543,838; June 30.
Foland, John S. (See Richardson, W., and Foland.)
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Storage spool. 1,544,145; June 30.
Foothorap, Harry A., Harrisburg, Pa., assignor to Elliott-Fisher Company. Shifting type head. 1,544,146; June 30.
Ford, John C. (See Budd, S. J., and Ford.)
Forsberg, Oscar P., Yonkers, assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,543,667; June 30.
Foster, Herbert K., assignor to The Keystone Watch Case Company, Riverside, N. J. Watchcase appendage. Des. 67,694; June 30.
Foster, Herbert K., assignor to The Keystone Watch Case Company, Riverside, N. J. Watchcase appendage. Des. 67,695; June 30.
Foster Machine Company. (See McKean, John O., assignor.)
Foster, Theodore W., & Bro., Company. (See Callowhill, Percy J., assignor.)
Fostoria Glass Company. (See Roe, Calvin B., assignor.)
Forshee, Oscar F. (See Goodrum, C. H., and Forsberg.)
Forshee, Margaret K. (See Rodger, William M., assignor.)
Fothergill, Harry, Westminter, London, England. Boiler feed-water-supply system. 1,543,911; June 30.
Fralick, Henry F., Grand Rapids, Mich. Horseshoe. 1,543,762; June 30.
Frankel, Louis. (See Voigt, Max T., assignor.)
Franks, William L., Louisville, Ky. Device for trimming sod. 1,543,996; June 30.
Franzen, Eric T., Maplewood, N. J. Primer. 1,544,306; June 30.
Fraser, George, Topeka, Kans. Grease plug. 1,544,385; June 30.
Freeman, Warren H., and E. J. Lee, St. Cloud, Minn. Affixing poster bills. 1,544,518; June 30.
French & Hecht. (See Einfeldt, Ernest E.)
French, G. Watson, et al. (See Einfeldt, Ernest E., assignor.)
Fridolph, Annette, Kansas City, Mo. Shoulder strap. 1,544,386; June 30.
Fröhlich, Jaroslav, assignor to Society of Chemical Industry in Basle, Basel, Switzerland. New dyestuffs and making same. 1,544,441; June 30.
Fulcher, Gordon S. (See Littleton, J. T., jr., and Fulcher.)
Fullips, George A., Milwaukee, Wis. Machine for grinding valves. 1,544,307; June 30.
Fulton, Thomas M., Hawthorn, Victoria, Australia. Casement-window fitting. 1,544,387; June 30.
Gadda, Erik, Silverton, Oreg. Harrow. 1,544,442; June 30.
Gale, Francis G., Waterville, Quebec, Canada. Corner fastening for mattress frames. 1,543,839; June 30.
Gambel, Christian J., New Orleans, La. Decolorizing carbon and producing the same. 1,543,763; June 30.
Gammeter, John R., Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Doorcheck strap. 1,543,912; June 30.
Garceion, George H., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Resilient drive wheel. 1,543,706; June 30.
Garford, Francis S., Lougheed, Alberta, Canada. Fence-wire staple. 1,543,764; June 30.
Gaw-O'Hara Envelope Co. (See Olgay, Albert, assignor.)
Gear, Washington J. (See Dominic, Charles G., assignor.)
Gebert, Albert E. (See Antoine, A. D., Richardson, and Gebert.)
Gegenheimer, Ralph E. (See Vaughn, C. F., and Gegenheimer.)
Gelpi, Leopoldo C., Vieques, P. R. Game apparatus. 1,544,308; June 30.
General Carbonic Co. (See Minor, Henry R., assignor.)
General Electric Company. (See Berry, Edward E., assignor.)
General Electric Company. (See Hewlett, E. M., and Willard, assignors.)
General Electric Company. (See Hull, Albert W., assignor.)
General Electric Company. (See Stewart, Glenn E., assignor.)
General Electric Company. (See White, William C., assignor.)
General Gas Light Company. (See Humphrey, Hubert E., assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Gewecke, Hermann, assignor.)
Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches. (See Von Arco, Georg, assignor.)

Gewecke, Hermann, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for eliminating noises in high-frequency telephony through power lines. 1,543,668; June 30.

Gibbs, Eugene U., York, Pa. Thrust bearing. 1,544,443; June 30.

Gibson, Earl S. (See Williams, S. B., and Gibson.)

Gibson, Francis W., West Roxbury, Mass., assignor to H. D. Beach Company, Coshocton, Ohio. Display device. 1,544,309; June 30.

Gibson, George H., Montclair, N. J. Furnace regulation. 1,544,091; June 30.

Gibson, George H., Montclair, N. J. Combustion regulation. 1,544,310; June 30.

Gildino, Giuseppe, Westminster, England. Burning of liquid fuel in boiler and other furnaces or heating apparatus. 1,543,997; June 30.

Gilewicz, Michael K., New York, N. Y. Fender. 1,544,444; June 30.

Gill, Edwin R., Yonkers, N. Y. Friction band. 1,543,707; June 30.

Gillard, James L., assignor to The Alaska Refrigerator Company, Muskegon, Mich. Showing wall fillings. 1,543,913; June 30.

Gilman, George H., Belmont, Mass. Drilling machine. 1,543,765; June 30.

Gilmore, William C., Waco, Tex. Gas generator. 1,544,445; June 30.

Glndre, Eugene, assignor to Societe Anonyme la Carbone, Levallois-Perret, France. Connection of electric conductors. 1,543,998; June 30.

Globe Machine and Stamping Company, The. (See Green, Lee B., assignor.)

Goff, Harold W., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone switch. 1,543,914; June 30.

Goldschmidt A.-G., Th. (See Hägglund, Erik, assignor.)

Goldsmith, Nathan, Newark, N. J. Reenforcing element for trunks. 1,543,999; June 30.

Goodrich, B. F., Company, The. (See Gammeter, John R., assignor.)

Goodrich, B. F., Company, The. (See Wise, George, assignor.)

Goodridge, Gilbert W., Fairfield, assignor to The Bryant Electric Company, Bridgeport, Conn. Electric switch. 1,544,446; June 30.

Goodrum, Charles L., New York, and O. F. Forsberg, Yonkers, assignors to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone switch. 1,543,069; June 30.

Gorin, Fred P., Seattle, Wash. Letter-feed-controlled rebound lock. 1,544,147; June 30.

Gould Coupler Company, The. (See Bouché, William F., assignor.)

Gouldbourn, Joseph, and W. T. Minett, Leicester, England, assignors to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,543,766; June 30.

Goulds Manufacturing Company. (See Smith, Sidney S., assignor.)

Gouverneur, Minor F. H., assignor to Locke Insulator Corporation, Baltimore, Md. Connecting insulators. 1,544,148; June 30.

Grady, Peter W., Grand Forks, N. Dak., assignor of one-fourth to C. Donahoe, Seattle, Wash. Wrench. 1,544,000; June 30.

Graffenberger, Friedrich, Milwaukee, Wis. Collapsible box. 1,544,311; June 30.

Graham, Frank H., assignor to Western Electric Company, Incorporated, New York, N. Y. Coordinate switch. 1,543,670; June 30.

Graham Glass Company, The. (See Miller, Frank R., assignor.)

Grant, Thomas H. (See Zickos, John T. and W. T., assignors.)

Gray, Matthew L., assignor to Plymouth Rubber Company, Inc., Canton, Mass. Elastic border band and ruffle and producing the same. 1,544,312; June 30.

Green, Henry M., Los Angeles, Calif., assignor to E. P. Hopkins, Council Bluffs, Iowa. Pump. 1,544,230; June 30.

Green, Lee B., Lakewood, assignor to The Globe Machine and Stamping Company, Cleveland, Ohio. Dusting apparatus. 1,543,915; June 30.

Green, Lee B., Lakewood, assignor to The Globe Machine and Stamping Company, Cuyahoga, Ohio. Dusting apparatus. 1,543,916; June 30.

Greenawalt, Lewis J., Mansfield, Ohio, assignor to Westinghouse Electric Products Company. Electric cigar lighter. 1,543,708; June 30.

Griffin, Samuel P., Orlando, Fla. Clutch. 1,544,447; June 30.

Griffin, Samuel P., Orlando, Fla. House-moving truck. 1,544,448; June 30.

Grigoleit, Henry, Chicago, Ill. Multiple-valve control. 1,543,840; June 30.

Grigoleit, Henry J., assignor to Kellogg Switchboard and Supply Company, Chicago, Ill. Pressure-feed system. 1,543,841; June 30.

Griswold, Frank W., Minneapolis, Minn. Traffic semaphore. Des. 67,696; June 30.

Groenebaum, Wilhelm, Neu-Babelsberg, near Berlin, Germany, assignor to the Firm Naamlooze Vennootschap Financiecle Maatschappij Driebergen, Amsterdam, Netherlands. Electrostatic reproducer for talking machines and the like. 1,544,001; June 30.

Grove, Bruce H. (See Wright, J. H., and Grove.)

Grove, Frank H., Columbiana, Ohio. Steam-jacketed mold. 1,544,002; June 30.

Guignard, Christopher G., Columbia, S. C. Automatic cutter for cutting a tubular gauze covering for sanitary napkins. 1,543,917; June 30.

Gulf Refining Company. (See McAfee, Almer M., assignor.)

Gumaer, Jackson B., Kansas City, Mo. Telephone receiver. 1,544,313; June 30.

Gunn, Robert W., and W. A. S. Thompson, Los Angeles, Calif. Standing-valve connection. 1,543,918; June 30.

Gwinn, George W., Brooklyn, N. Y., and W. B. Bronander, Montclair, N. J., assignors to American Machine & Foundry Company, New York, N. Y. Envelope-charging device. 1,543,842; June 30.

Gwinn, George W., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Wax-seal-cooling mechanism. 1,543,843; June 30.

Gwinn, George W., Brooklyn, N. Y., assignor to American Machine & Foundry Company. Article-feeding device. 1,543,844; June 30.

Gwyer, Herbert J., Yonkers, N. Y. Refrigerator-lining construction. 1,544,288; June 30.

Haarberg, Cato, Fox Lake, Ill., and C. Haarberg, Trondhjem, Norway. Measuring faucet. 1,544,449; June 30.

Haarberg, Christian. (See Haarberg, Cato and C.)

Habighorst, Harry A., Portsmouth, Va. Excelsior knife. 1,543,919; June 30.

Hägglund, Erik, Heidelberg, assignor to the Firm of Th. Goldschmidt A.-G., Essen, Germany. Process and plant for manufacturing carbohydrates from vegetable matter. 1,544,149; June 30.

Hale, Edward J., Minco, Okla. Broom-corn tabler. 1,544,450; June 30.

Hall, Arthur J., Winchcombe, England, and P. L. Mardis, Swissvale, Pa., assignors to Westinghouse Electric and Manufacturing Company. Switch mechanism. 1,543,709; June 30.

Hall, Walter H., Denver, Colo. Egg carrier. 1,544,289; June 30.

Hambuechen, Carl, Mount Vernon, N. Y., assignor to Electro Metallurgical Company. Electrodeposition of chromium. 1,544,451; June 30.

Hammond, John H., jr. (See Tronor, Albert D., assignor.)

Hands, Howard A., Swissvale, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heater-control system. 1,543,710; June 30.

Haner, Frank L., San Diego, Calif. Amusement or game apparatus. 1,544,452; June 30.

Hanks, Marshall W., Madison, Wis. Controller-actuating device. 1,544,311; June 30.

Hanscom, Herbert, Fryeburg, Me. Advertising device. 1,543,852; June 30.

Hansen, Charles, assignor to Davenport Machine & Foundry Company, Davenport, Iowa. Street-lamp standard. Des. 67,697; June 30.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,543,845; June 30.

Hansen, Charles C., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,543,846; June 30.

Harbison, Howard C., Wayne, Pa. Basket-ball goal. 1,544,453; June 30.

Hardgrave, Everett J., San Angelo, Tex. Combination lock. 1,544,454; June 30.

Harding, Thomas C. (See Jagger, P. B., and Harding.)

Hargens, Frank. (See Hoisington, H., and Hargens.)

Harris, Roy E., St. Edward, Nebr. Air-brake attachment. 1,544,290; June 30.

Harrison, Thomas L., Philadelphia, Pa. Collapsible-tube-closing machine. 1,544,315; June 30.

Harward, Vernon J., and W. P. Budd, Durham, N. C. Roofing clip. 1,544,391; June 30.

Harward, Vernon J., and W. P. Budd, Durham, N. C. Roofing clip. 1,544,392; June 30.

Hasalt, Max, Dresden, Germany, assignor to Aktiebolaget Ars, Stockholm, Sweden. Theater stage. 1,544,150; June 30.

Hatcher, Oscar M., and J. C. Campbell, Mankato, Minn. Arbor press. 1,544,393; June 30.

Haseltine, Reginald, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Apparatus for forming tire beads. 1,544,316; June 30.

Heath, Spencer, Baltimore, Md. Adjustable and reversible propeller. Re16,102; June 30.

Hecht, Joseph L., et al. (See Einfeldt, Ernest E., assignor.)

Heeter, Thomas E., St. Louis, Mo. Book-making machine. 1,544,394; June 30.

Hergen, Oscar E., Des Moines, Iowa. Pitching court. 1,543,767; June 30.

Hegna, Herbert, Sisseton, assignor of one-half to W. D. Worner, Aberdeen, S. Dak. Dirigible headlight construction. 1,544,395; June 30.

Heidbrink, Jay A., Minneapolis, Minn. Electrically-operated surgical bone-cutting device. 1,543,847; June 30.

Heine Safety Boiler Company. (See Richardson, W., and Foland, assignors.)

Helfenstein, Alois, Vienna, Austria, assignor to Union Carbide Company, New York, N. Y. Method of and apparatus for forming continuous electrodes. 1,544,151; June 30.

Hem, Halvor O., assignor to Toledo Scale Company, Toledo, Ohio. Weighing scale. 1,543,768; June 30.

Hemco Electric Manufacturing Company. (See McKinley, Benjamin P., assignor.)

Hemje, Fooke, Hildreth, Nebr. Piston guide for windmills. 1,544,152; June 30.

Henderson, Albert, assignor to Henderson Corporation, Pittsburgh, Pa. Reenforced concrete construction. 1,543,848; June 30.

Henderson, Albert, Albany, Ga. Pipe coupling. 1,544,004; June 30.

Henderson, Albert E., Toronto, Ontario, Canada. Projectile and controlling the flight thereof. 1,544,000; June 30.

Henderson Corporation. (See Henderson, Albert, assignor.)

Henoch, Hanley, New York, assignor to Onondaga Pottery Company, Syracuse, N. Y. Plate or similar article of manufacture. Des. 67,698; June 30.

Henry, William K., assignor to The American Hardware Corporation, New Britain, Conn. Remote thermally-controlled door closer. 1,544,396; June 30.

Herbsleb, August F. (See Soss, Augustus M., assignor.)

Herman Nelson Corporation, The. (See Shurtleff, Wilfred, assignor.)

Hermann, Clarence C. (See Litchfield, H. L., and E. C., Speer, and Hermann.)

Hermann, Joseph, jr. (See Strasburger, W., and Hermann.)

Hevea Corporation, The. (See Loomis, C. C., and Stump, assignors.)

Hewlett, Edward R., and W. W. Willard, Schenectady, N. Y., assignors to General Electric Company. Resilient support. 1,543,769; June 30.

Heymoss, George J., jr., Detroit, Mich. Horseshoe pad. Re16,104; June 30.

Hibbard, Charles T., Minneapolis, Minn. Flexible fly-wheel. 1,543,849; June 30.

Hickman, Clarence N., New York, N. Y. Mine. 1,543,920; June 30.

Hilbert, Otto W., assignor to Corning Glass Works, Corning, N. Y. Glass batch. 1,543,770; June 30.

Hildebrand, Henry Y., Johnstown, Pa., assignor, by mesne assignments, to Bethlehem Steel Products Company. Apparatus for and disk rolling. 1,544,317; June 30.

Hill, John I., Mexia, Tex. Collapsible paste tube and closure therefor. 1,544,005; June 30.

Hinrichsen, Edward E., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,543,671; June 30.

Hoar, Samuel T., Meaderville, assignor of one-half to J. Domer, Butte, Mont. Power shovel. 1,543,771; June 30.

Hobbs, William H., Piedmont, Calif. Utensil for handling pie tins. 1,544,281; June 30.

Hodgkinson, Francis, Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine-blade lashing. 1,544,318; June 30.

Hodgman Rubber Company, The. (See Eldon, Albert J., assignor.)

Hoffman, Carl, Allentown, Pa. Door lock. 1,544,319; June 30.

Hoffman, Earl E. (See McKinley, C. W., and Hoffman.)

Hoffman, Rudolph. (See Barschow, Hubert A., assignor.)

Hoffstetter, Carl H., assignor to Odin Stove Manufacturing Company, Erie, Pa. Stove. 1,544,397; June 30.

Hoisington, Harry, and F. Hargens, Davenport, Iowa. Support for single-front targets. 1,543,711; June 30.

Holderer, George B., New Rochelle, assignor to Air Reduction Company, Incorporated, New York, N. Y. Explosive cartridge. 1,543,850; June 30.

Holderer, George B., New Rochelle, assignor to Air Reduction Company, Incorporated, New York, N. Y. Explosive cartridge. 1,543,851; June 30.

Holley, Clarence M. (See Stewart, B. C., and Holley.)

Holley, Earl. (See Udale, S. M., and Anderson, assignors.)

Holmes, Abbie W., Providence, R. I. Identification tag. Des. 67,689; June 30.

Holmes, Ernest, Company. (See Holmes, Ernest W., assignor.)

Holmes, Ernest W., assignor to Ernest Holmes Company, Chattanooga, Tenn. Lifting jack. 1,544,006; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,066; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,067; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,068; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,070; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,071; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,072; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,074; June 30.

Holmes, Morris P., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,075; June 30.

Holmes, Morris P., Claremont, N. H., assignor, by mesne assignments, to The Jeffrey Manufacturing Company, Columbus, Ohio. Mining machine. 1,544,398; June 30.

Holmgren, Frank, Stagg, Calif. Extensible level and straightedge. 1,544,153; June 30.

Holt, Harris B., Dormont, assignor to Rosedale Foundry and Machine Company, Pittsburgh, Pa. Traveling grate. 1,544,399; June 30.

Holt, Thomas G., Kansas City, Mo. Floor-sanding machine. 1,544,400; June 30.

Homan Copy Holder Company, The. (See Homan, Walter A., assignor.)

Homan, Walter A., Denver, Colo., assignor to The Homan Copy Holder Company. Copyholder. 1,544,401; June 30.

Hoover Company, The. (See Stewart, B. C., and Holley, assignors.)

Hopkins, Earl P. (See Green, Henry M., assignor.)

Horsting, William F., Chicago, Ill., assignor to Standard Leather Machinery Company. Butt-bend side holder. 1,543,672; June 30.

Hosbein, Louis H., assignor to M. H. Detrick Company, Chicago, Ill. Furnace-arch construction. 1,544,154; June 30.

Houbigant, Inc. (See Javal, Fernand, assignor.)

Hough, Axel C., assignor to Hough Shade Corporation, Janesville, Wis. Tension device. 1,544,320; June 30.

Hough Shade Corporation. (See Hough, Axel C., assignor.)

Hoyt, Raymond K. (See Racine, Hector Q., assignor.)

Hubbard, Moses G., Chatham, N. J., assignor to Excelsior Tree Felling Saw Co., Inc. Tree-felling apparatus. 1,544,092; June 30.

Hudson Motor Car Company. (See Batts, Stuart G., assignor.)

Hudson Motor Car Company. (See Fekete, S. L., and Tonegray, assignors.)

Huff, Bert M., assignor of one-third to H. A. Arnold, Detroit, and one-third to M. E. Fitzgerald, Pontiac, Mich. Metallic alloy. 1,543,921; June 30.

Hughes, Arthur S., Mansfield, Ohio. Toilet partition. 1,544,007; June 30.

Hugo, Theodor, Wilmersdorf, near Berlin, Germany. Endless drying chain for envelope-making machines. 1,544,402; June 30.

Hull, Albert W., Schenectady, N. Y., assignor to General Electric Company. Negative-resistance device. 1,544,321; June 30.

Hull, Francis I. S. (See Maddox, H. B., and Hull.)

Hummel, William L., Chicago, Ill. Refrigerator. 1,544,403; June 30.

Hummel, William L., Chicago, Ill. Toothbrush attachment. 1,544,404; June 30.

Humphrey, Hubert E., assignor to General Gas Light Company, Kalamazoo, Mich. Fender for a fireplace. Des. 67,700; June 30.

Humphrey, Hubert E., assignor to General Gas Light Company, Kalamazoo, Mich. Fender for a fireplace. Des. 67,701; June 30.

Humphrey, Hubert E., assignor to General Gas Light Company, Kalamazoo, Mich. Fender for a fireplace. Des. 67,702; June 30.

Humphreys, Omar E. (See Humphreys, Walter G. and O. E.)

Humphreys, Walter G. and O. E., Omaha, Nebr. Pulley structure for trench-filling machines. 1,543,922; June 30.

Hunt, Howard W., Cincinnati, Ohio. Power-transmitting device. 1,544,455; June 30.

Hunter, John S., Waverley, New South Wales, Australia. Hydraulic-elevator installation. 1,544,405; June 30.

Hunter, Russell N., Brooklyn, N. Y., assignor to American Telephone and Telegraph Company. Apparatus for neutralising radio interference on wire lines. 1,543,772; June 30.

Hunter, Victor T., Bradford, Ontario, Canada. Collapsible box or crate. 1,543,923; June 30.

Huntoon, William C., jr., East Greenwich, R. I. Collapsible tube. 1,544,232; June 30.

Hunziker, Otto F., La Grange, Ill., assignor to The Pfaudler Co., Rochester, N. Y. Apparatus for deodorizing cream. 1,543,853; June 30.

Hurd, Thornton P., Valparaiso, Ind. Window-shade-roller-supporting means. 1,544,406; June 30.

Hussey, William G. (See Phillips, W. H., and Hussey.)

Hutchinson, Mackintosh, Philadelphia, Pa. Woodworking machine. 1,544,456; June 30.

Ibach, Emil, assignor to Bethlehem Steel Company, Bethlehem, Pa. Manufacture of wheels. 1,543,773; June 30.

Ibach, Emil, assignor to Bethlehem Steel Company, Bethlehem, Pa. Manufacture of metal wheels. 1,543,774; June 30.

Igo, Joseph H., Chicago Heights, Ill. Jacking attachment for motor vehicles. 1,544,233; June 30.

Ilgenfritz, Lester M., Orange, N. J., assignor to American Telephone and Telegraph Company. Apparatus for neutralizing radio interference on wire lines. 1,543,775; June 30.

Ingersoll-Rand Company. (See Bayles, Lewis C., assignor.)

Ingersoll-Rand Company (See Bayles, L. C., and Abrams, assignors.)

Ingersoll-Rand Company. (See Hansen, Charles C., assignor.)
Ingersoll-Rand Company. (See Lear, Earl B., assignor.)
Ingersoll-Rand Company. (See Prellwitz, William, assignor.)
Ingersoll-Rand Company. (See Redfield, Snowden B., assignor.)
Ingersoll-Rand Company. (See Slater, Fred M., assignor.)
International Cigar Machinery Company. (See Rundell, Rupert E., assignor.)
International Corset Company. (See Schopbach, Charles H., assignor.)
International Silver Company. (See Munson, Craig D., assignor.)
Interstate Smelting and Refining Co. (See Blatcher, Ernest C., assignor.)
Iowa Thresher Company. (See Loffler, Charles L., assignor.)
Jacobs, David E., New York, N. Y. Hairpin. Des. 67,703; June 30.
Jacobs, David E., New York, N. Y. Hairpin. Des. 67,704; June 30.
Jacobs, Louis, et al. (See Lichter, Malvin, assignor.)
Jacobus, David S. (See Sargent, F., and Jacobus.)
Jagger, Mary P., executrix. (See Jagger, P. B., and Harding, assignors.)
Jagger, Peter B., deceased, by M. P. Jagger, executrix, London, and T. C. Harding, Cleckheaton; said Harding assignor to M. P. Jagger, London, England. Rope-untwisting machinery. 1,543,924; June 30.
James, George E., Los Angeles, Calif. Brush guide for compasses. 1,544,284; June 30.
Javal, Fernand, Paris, France, assignor to Houbigant, Inc., New York, N. Y. Box. Des. 67,705; June 30.
Jeffers, Carl H., Canton, Ohio. Locomotive stoker. 1,544,407; June 30.
Jefferson, Leonidas E., Baltimore, Md. Rope guide. 1,544,008; June 30.
Jeffrey Manufacturing Company, The. (See Holmes, Morris P., assignor.)
Jenkins, Charles F., assignor to Discrola, Inc., Washington, D. C. Objective lens. 1,544,155; June 30.
Jenkins, Charles F., Washington, D. C. Transmitting pictures by wireless. 1,544,156; June 30.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Radio receiving device. 1,544,157; June 30.
Jenkins, Charles F., assignor to Jenkins Laboratories, Washington, D. C. Wireless broadcasting of pictures. 1,544,158; June 30.
Jenkins Laboratories. (See Jenkins, Charles F., assignor.)
Jensen, John J., assignor of one-half to W. B. Strichers, Melham, S. Dak. Plowpoint. 1,544,406; June 30.
Jento, Ford C., assignor of one-half to A. McIntyre, Hamilton, Ontario, Canada. Electric water heater. 1,544,159; June 30.
Jetter, William, Collingswood, N. J., and W. S. Lemmon, New York, N. Y. Ball-bearing trolley wheel. 1,543,712; June 30.
Johnson Automatic Sealer Co. (See Sunderman, Richard, assignor.)
Johnson, Edgar D. (See Wilbur, R. S., and Johnson.)
Johnson, Lawrence E., Melrose, assignor to Economy Heater Co., Inc., Lynn, Mass. Combustion chamber for fuel burners. 1,543,776; June 30.
Johnson, Lewis H., Bloomfield, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,543,854; June 30.
Johnson, Morris J., and A. C. Schinnes, Minneapolis, Minn. Puller for fan-drive pulleys. 1,544,235; June 30.
Johnson, William, Ontario, Oreg. Ditch former. 1,544,409; June 30.
Jones, Albert S., Chattanooga, Tenn., assignor to Lucey Manufacturing Corporation, New York, N. Y. Well-casing wrench. 1,544,457; June 30.
Jones Everett Machine Co. (See Jones, M. W., and Brush, assignors.)
Jones, Francis S., assignor of one-third to M. E. Jones and one-third to L. W. Jones, West New Brighton, N. Y. Presser-foot attachment. 1,544,410; June 30.
Jones, Leon W., et al. (See Jones, Francis S., assignor.)
Jones, Mary E., et al. (See Jones, Francis S., assignor.)
Jones, Monrowe W., and B. H. Brush; said Jones assignor to Jones Everett Machine Co., Ardmore, Okla. Combined casing and tool spear. 1,544,009; June 30.
Jordan, Eugène, assignor to Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude), Paris, France. Generator of electric current. 1,544,010; June 30.
Joy, William H., Lansing, Mich. Luggage carrier. 1,543,855; June 30.
Jurgens, Julius. (See Jurgens, Robert S., assignor.)
Jurgens, Robert S., assignor of one-half to J. Jurgens, St. Paul, Minn. Radiator attachment. 1,543,925; June 30.
K-D Lamp Company, The. (See Driemeyer, Edward W., assignor.)
Kačer, Filip. (See Lüttringhaus, A., and Kačer.)
Kahn, Walter D., West Orange, and G. A. Thomson, assignors to Diamond Electric Specialties Corporation, Newark, N. J. Portable electric light. 1,544,236; June 30.
Karr, Francis, Holland, Mich. Spring. 1,544,237; June 30.
Kasley, Alexander T., Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Governor. 1,544,238; June 30.
Kats, Jack, New York, N. Y. Book end or similar article. Des. 67,706; June 30.
Kearns, John, Conshohocken, and W. Y. Duncan, jr., Barren Hill, Pa. Tire-mold-handling device. 1,544,011; June 30.
Kellermann, Bessie, Denver, Colo. Heading lettuce. 1,544,322; June 30.
Kelley, John I., Mount Union, Pa. Ornament for motometers. 1,544,160; June 30.
Kellogg Switchboard and Supply Company. (See Edwards, Joseph B., assignor.)
Kellogg Switchboard and Supply Company. (See Grigoleit, Henry J., assignor.)
Kelly, Herbert P., Springfield, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Crank mechanism for cutting machines. 1,544,239; June 30.
Kelly-Springfield Tire Company. (See Waters, Reginald H., assignor.)
Kemp, Archie R., Towaco, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Vulcanizing rubber and similar materials. 1,543,926; June 30.
Kener, Edward, jr., Buffalo, N. Y. Incinerator. 1,544,323; June 30.
Kennedy, William H. (See Easterday, H. E., and Kennedy.)
Kent, Bert M. (See Sébille, Leo P., assignor.)
Kern, Harry H., Cornell, Wis. Game of pass. 1,544,411; June 30.
Kersten, Otto, Highland Park, Mich. Cut-out assembly. 1,543,927; June 30.
Keystone Watch Case Company, The. (See Foster, Herbert K., assignor.)
Kieffer, Eugene T., and W. B. Stevenson, Philadelphia, Pa., assignors to Victor Talking Machine Company. Cabinet for talking machines. Des. 67,707; June 30.
Kim, Arthur A., Pittsburgh, Pa. Gasoline reserve tank. 1,544,458; June 30.
Kim, Julius, Pittsburgh, Pa. Sanitary cover. 1,544,459; June 30.
King, Edward A., Dorchester, Mass., assignor to Lion Collars & Shirts, Inc., Troy, N. Y. Collar. 1,544,013; June 30.
King, Samuel F., Birmingham, Ala. Sand-molding apparatus. 1,544,063; June 30.
Kitchin, John W., Horley, and V. Lefebure, London, England. Treatment of timber. 1,544,013; June 30.
Klein, Maximilian, North Plainfield, N. J., assignor to American Machine and Foundry Company. Packaging-machine article feed. 1,544,093; June 30.
Klukas, Edward H. M., Balaton, Minn. Cultivator. 1,543,777; June 30.
Knowles, Bernard D., New York, N. Y. Automatic wrapping machine. 1,543,673; June 30.
Knowlton, Norwood H., Rockport, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Power-applying mechanism. 1,543,778; June 30.
Koenig, Nicholas. (See Alexander, Verne P., assignor.)
Kohn, Milton M., New York, N. Y. Burner and oven. 1,544,014; June 30.
Kovacs, Theodor, Berlin, Germany. Drawing-pen nib, more particularly for fountain pens. 1,544,161; June 30.
Krebs, Heilmuth E., Fayetteville, Tex. Cultivator. 1,544,094; June 30.
Kremp, August, Baden-Baden, Germany, assignor of one-half to W. Nuss, Building stone. 1,544,412; June 30.
Kugler, Otto, sr., Philadelphia, Pa. Safety clutch controller for automobiles. 1,544,324; June 30.
Kurowski, Alfred G. F., Brooklyn, assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,544,240; June 30.
Lacy, James E., et al. (See Terry, Joseph T., assignor.)
Lacy, Richard H., et al. (See Terry, Joseph T., assignor.)
Ladd, James B. (See Schultz, Edward, assignor.)
Lake Shore Engine Works. (See Flodin, Nels P., assignor.)
Lakhovsky, Georges, Paris, France. Horn and amplifier for sound-recording and sound-reproducing apparatus. 1,544,460; June 30.
Lamy, A., & Son, Inc. (See Lamy, Edward J., assignor.)
Lamy, Edward J., assignor to A. Lamy & Son, Inc., Elizabeth, N. J. Cooper stove. 1,544,015; June 30.
Land, Rector E., Houston, Tex., assignor to Petroleum Rectifying Company. Electrical dehydrator. 1,543,928; June 30.
Landress, Drew A. (See Brown, Peter, assignor.)
Lanphere, Clive W., Brooklyn, N. Y. Doorlock with automatic interlocking bolt. 1,543,929; June 30.
Lanphere, Clive W., New York, N. Y. Interlocking automatic lock. 1,543,930; June 30.
Lantz, Frank V., McArthur, Ohio. Washing machine. 1,544,325; June 30.
Laughlin, Elmyr A., Oregon, assignor of one-half to H. A. Laughlin and one-half to J. E. H. Potts, Chicago, Ill. Car mounting. 1,544,241; June 30.
Laughlin, Elmyr A., et al. (See Laughlin, Elmyr A., assignor.)

Laux, John W., Philadelphia, Pa. Waxing device. 1,543,713; June 30.
Lavery, George L., assignor to The West Steel Casting Company, Cleveland, Ohio. Cast-metal wheel. 1,544,242; June 30.
La Vigne, Alfred J., Milwaukee, Wis. Back brace. 1,544,162; June 30.
Law, Harry B., New York, N. Y. Theatrical illusion. 1,543,931; June 30.
Lawrence, Ralph G., San Francisco, Calif. Clock case. 1,544,461; June 30.
Lawyer, Calvin, Newburyport, Mass. Traffic signal. 1,544,462; June 30.
Lazote, Inc. (See Claude, Georges, assignor.)
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,543,674; June 30.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,543,675; June 30.
Lear, Earl B., Phillipsburg, assignor to Ingersoll-Rand Company, Jersey City, N. J. Double-drum hoist. 1,543,858; June 30.
Le Cuivre Natif. (See Soulié-Cottineau, Henri P., assignor.)
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Composite body for automobiles. 1,543,857; June 30.
Ledwinka, Joseph, assignor to Edward G. Budd Manufacturing Company, Philadelphia, Pa. Detachable upholstery. 1,543,858; June 30.
Lee, Bernard J. (See Freeman, W. H., and Lee.)
Lee, Lester E., Presque Isle, Me. Frame attachment for potato diggers. 1,544,541; June 30.
Lefebure, Victor. (See Kitchin, J. W., and Lefebure.)
Lehberger, Catherine, Newark, N. J. Garbage receptacle. 1,544,243; June 30.
Lehmann & Co. (See Lehmann, J. C., and Timmerman, assignors.)
Lehmann, Julius C., and G. H. Timmerman, Brooklyn, N. Y., assignors to Lehmann & Co. Combined wind deflector, mirror and spotlight. 1,544,244; June 30.
Lelansky, George F., assignor by operation of law to E. A. McCuskey, trustee in bankruptcy of The Holmes Automobile Company, Canton, Ohio. Engine-hood shutter. 1,544,326; June 30.
Leman, Edwin D., East Orange, N. J., assignor to United States Radium Corporation. Radium therapeutic device. 1,543,859; June 30.
Lemmon, Walter S. (See Jetter, W., and Lemmon.)
Leondreese, Victoria, New Orleans, La. Brassière and diaphragm supporter. 1,544,245; June 30.
Lengefeld, Byron H., New Orleans, La. Box top. 1,544,463; June 30.
Leslie, Harry J., St. Joseph, Mo. Tool for removing bushings. 1,544,246; June 30.
Lewis, George C., New Dorp, N. Y., assignor to Columbian Carbon Company, Williamsport, Pa. Method and apparatus for blasting. 1,544,247; June 30.
Lichter, Malvin, assignor to M. Lichter and L. Jacobs, trading as Stickless Fan Company, New York, N. Y. Fan. Des. 67,708; June 30.
Lichter, Malvin, et al. (See Lichter, Malvin, assignor.)
Liebl, Joseph, West Hatfield, assignor of one-half to H. McLeod, Hatfield, Mass. Spring seat support. 1,544,248; June 30.
Lier, Robert P., Mitchell, S. Dak. Automobile bumper and brace. 1,544,163; June 30.
Lindenlauf, Joseph, assignor of three-eighths to H. Stratman and two-eighths to H. M. Aronson, Pittsburgh, Pa. Rolled-sheet-metal piling. 1,543,676; June 30.
Lion Collars & Shirts, Inc. (See King, Edward A., assignor.)
Lippe, Morris, New York, N. Y. Bed construction. 1,544,249; June 30.
Litchfield, Edgar C. (See Litchfield, H. L. and E. C., Speer, and Hermann.)
Litchfield, Henry L. and E. C., V. Speer, and C. C. Hermann; said Speer and said Hermann assignors to H. L. Litchfield and E. C. Litchfield, Waterloo, Iowa. Vehicle. 1,544,413; June 30.
Little, George M., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Heat-treating furnace. 1,543,714; June 30.
Littleton, Jesse T., jr., and G. E. Fulcher, assignors to Corning Glass Works, Corning, N. Y. Manufacture of insulators. 1,543,779; June 30.
Litzenberg, William R. (See May, H. W., and Mathewson, assignors.)
Lobbey, Fred T., Winslow, Ind., assignor to Sullivan Machinery Company. Mining machine. 1,544,089; June 30.
Locke Insulator Corporation. (See Gouverneur, Minor F. H., assignor.)
Loeffelbols Co. (See Bernhardt, Paul A., assignor.)
Loewenthal, Marc, New York, N. Y. Diagram chart. 1,544,327; June 30.
Loffler, Charles L., assignor to Iowa Thresher Company, Des Moines, Iowa. Band cutter and feeder. 1,543,860; June 30.
Long, Scott E., Belleville, Ill. Anti-rattling attachment for windshields. 1,544,464; June 30.
Loomis, Chauncey C., Yonkers, and H. E. Stump, Brooklyn, N. Y., assignors, by mesne assignments, to The Hevea Corporation. Use of colloidal sulphur and latex. 1,543,932; June 30.
Lopez, Domingo, St. Albans, W. Va. Production of calcium arsenates. 1,544,250; June 30.
Louisville Cement Company. (See Baylor, Harry D., assignor.)
Lovell, William H., and M. W. Brown, assignors to The Atlas Engineering Works, Galveston, Tex. Truck. 1,544,465; June 30.
Lucey Manufacturing Corporation. (See Jones, Albert S., assignor.)
Lucken, Leo, Cincinnati, Ohio. Arch appliance. 1,543,780; June 30.
Lundius, Eric R., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Testing device for telephone-exchange systems. 1,543,933; June 30.
Lüttringhaus, Arthur, and F. Kačer, Mannheim, assignors to Badische Anilin & Soda-Fabrik, Ludwigshafen-on-Rhine, Germany. Manufacture of vat dyestuffs of the anthraquinone series. 1,544,095; June 30.
Lyding, Edwin, assignor to S. Weisglass & Company, Inc., Brooklyn, N. Y. Crib corner lock. 1,544,251; June 30.
Lyman, Winnifred C., Southampton, Mass. Score card and pencil holder. 1,544,016; June 30.
MacInnes, Robert H., assignor to D. Moore Company, Limited, Hamilton, Ontario, Canada. Electric-stove heater element. 1,543,938; June 30.
Mack, Stephen. (See Walentowic, John, assignor.)
Maclachlan, Angus, Perth Amboy, N. J., assignor to Maclachlan Reduction Process Co., New York, N. Y. Treating sewage. 1,543,939; June 30.
Maclachlan Reduction Process Co. (See Maclachlan, Angus, assignor.)
Maddox, Henry R., and F. I. S. Hull, Richmond, Va. Signaling device. 1,544,020; June 30.
Mädler, Franz, Berlin, Germany, assignor to Maedler Engine Corporation, Cleveland, Ohio. Internal-combustion engine. 1,543,717; June 30.
Madsen, Fred T., assignor to Automatic Electric Company, Chicago, Ill. Automatic telephone system. 1,544,330; June 30.
Maedler Engine Corporation. (See Mädler, Franz, assignor.)
Magruder, Walter D. (See Nelson, Oscar J., assignor.)
Malaval, Pierre, and R. P. E. Paquelier, Paris, France. Removable liner for guns. 1,544,469; June 30.
Mallory, Harry C., deceased, New York, N. Y.; S. R. Mallory, administratrix. Condenser. 1,543,677; June 30.
Mallory, Sue R., administratrix. (See Mallory, Harry C.)
Malm, Edward A., Wadena, Minn. Sash stop. 1,544,470; June 30.
Malmgren, Nels L., Chicago, Ill. Wedge. 1,544,331; June 30.
Mance, Frank A., Detroit, Mich., assignor to Studebaker Corporation. Determining the relative hardness of abrasive or similar substances. 1,544,332; June 30.
Mann, Albert, Stroud, England. Cover and binding for books. 1,544,252; June 30.
Månsson, Peder E. (See Persson, A. V., and Månsson.)
Marbury, Ralph E., Edgewood Park, Pa., assignor to Westinghouse Electric & Manufacturing Company. Loud-speaking device for wireless. 1,543,718; June 30.
Mardis, Paul L. (See Hall, A. J., and Mardis.)
Marion Machine, Foundry & Supply Company. (See Smith, Edwin B., assignor.)
Marks, William B., Waterbury, Conn. Electric time switch. 1,544,333; June 30.
Marsh, Frederick A., Columbus, Ohio. Insulator. 1,544,164; June 30.
Maraland, Roland, Essington, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine blading. 1,544,253; June 30.
Martin, Edward L. (See Entwisle, T. J., Donnelly, and O'Mara, assignors.)
Martin, Hugh E., Madison, Wis. Portable flytrap for doors. 1,544,334; June 30.
Marvel Equipment Company, The. (See Spaeth, Charles, assignor.)
Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft. (See Pielstick, Gustav, assignor.)
Mathesius, Walther, Chicago, Ill. Water-cooled bosh plate. 1,543,940; June 30.
Mathesius, Walther, Chicago, Ill. Apparatus for cleaning gas. 1,543,941; June 30.
Mathesius, Walther, Chicago, Ill. Cleaning gas. 1,543,942; June 30.
Mathewson, Bradford A. (See May, H. W., and Mathewson.)
Mathieson Alkali Works, Inc., The. (See Mauran, Max, assignor.)
Mathieson Alkali Works, Inc., The. (See Vaughn, C. F., and Gegenheimer, assignors.)
Matson Lace Tipping Machine Company. (See Matson, Carl A., assignor.)
Matson, Carl A., Lynnfield, assignor to Matson Lace Tipping Machine Company, Boston, Mass. Lace-tipping machine. 1,544,165; June 30.
Maue, Frederick W., Shamokin, Pa. Reed-shifting means for warping machines. 1,543,782; June 30.
Mauran, Max, Niagara Falls, assignor to The Mathieson Alkali Works, Inc., New York, N. Y. Valve for liquefied-gas containers. 1,544,098; June 30.
May, Horace W., and E. A. Mathewson, Orosi, assignors of one-fourth to W. R. Litzenberg, Los Angeles, Calif. Game. 1,544,254; June 30.

Maynard, Charles E., Northampton, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Making non-porous tubes and other articles. 1,544,255; June 30.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Making aluminum chloride. 1,544,328; June 30.
McAfee, Almer M., Port Arthur, Tex., assignor to Gulf Refining Company, Pittsburgh, Pa. Preparation of bauxite. 1,543,934; June 30.
McChesney, John S., Chicago, Ill., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Tension means for wire-tying machines. 1,544,096; June 30.
McChesney, John S., Chicago, Ill., assignor to Cary Manufacturing Co., Brooklyn, N. Y. Tension device for wire-tying machines. 1,544,097; June 30.
McCord, George K., and H. H. Schwark, Fort Worth, Tex. Radiator cap. 1,544,017; June 30.
McCord Radiator & Manufacturing Co. (See McCord, William W., assignor.)
McCord, William W., Wyandotte, assignor to McCord Radiator & Mfg. Co., Detroit, Mich. Method of and apparatus for producing copper sheets electrolytically. 1,543,861; June 30.
McCreary, Edward, assignor to J. McCreary and E. J. McCreary, Cohoes, N. Y. Machine for treating blankets or fabrics. 1,544,466; June 30.
McCreary, Edward J., et al. (See McCreary, Edward, assignor.)
McCreary, John, et al. (See McCreary, Edward, assignor.)
McCue, H. J., Company, The. (See McCue, Harry J., assignor.)
McCue, Harry J., Cleveland, Ohio, assignor to The H. J. McCue Company. Draft arm for soda fountains. 1,543,715; June 30.
McCue, Harry J., Cleveland, Ohio, assignor to The H. J. McCue Company. Draft arm for soda fountains. 1,543,716; June 30.
McCuskey, E. A., trustee. (See Lelansky, George F.)
McDonald, Harry D., assignor of one-fourth to J. E. Staley, one-fourth to H. L. Brown and one-fourth to M. C. McDonald, Los Angeles, Calif. Cigar lighter or similar article. Des. 67,709; June 30.
McDonald, James J., Roseville, Calif. Electric cut-out. 1,544,467; June 30.
McDonald, Maude C., et al. (See McDonald, Harry D., assignor.)
McDonald, Una, assignor of one-half to E. Puddy, Belton, Tex. Combined foot rest and curtain holder. 1,544,018; June 30.
McEwen, Willard M., Chicago, Ill. Tire tool. 1,543,862; June 30.
McGee, Oscar P., Dallas, Tex. Elevator-door closer and check. 1,543,935; June 30.
McGinty, Hugh L., Pittsburgh, Pa., assignor to Sengbusch Self-Closing Inkstand Company, Milwaukee, Wis. Sponge cup or receptacle. Des. 67,710; June 30.
McIntosh, Robert, Ashland, Ohio. Attachment for foot pedals. 1,544,256; June 30.
McIntyre, Arthur. (See Jento, Ford C., assignor.)
McKean, John O., assignor to Foster Machine Company, Westfield, Mass. Winding machine. 1,544,257; June 30.
McKinley, Benjamin P., Flushing, assignor to Hemco Electric Manufacturing Company, Long Island City, N. Y. Plug connecter or similar article. Des. 67,711; June 30.
McKinley, Charles W., and E. E. Hoffman, assignors to Willys-Overland Company, Toledo, Ohio., Sand-blast equipment. 1,544,519; June 30.
McKinney, James P., jr., Pittsburgh, Pa. Making hinges. 1,544,329; June 30.
McKune, Frank B., Hamilton, Ontario, Canada. Appliance for the continuous transfer of molten metal. 1,544,166; June 30.
McLeod, Hugh. (See Liebl, Joseph, assignor.)
McMaster, James A., Springfield, Mass. Adjustable foot rest for automobiles. 1,544,258; June 30.
McMillan, Archibald S., St. Louis, Mo., and G. W. Whipple, Cherryvale, Kans. Pulverized-coal feeder. 1,543,986; June 30.
McNames, William, Aberdeen, S. Dak. Burglar-alarm system. 1,544,019; June 30.
McNeal, Edward K., Forestville, N. Y. Erasure-receiving attachment for typewriters. 1,544,064; June 30.
McNeill, Fred L., Annawan, Ill. Humidifier for internal-combustion engines. 1,543,781; June 30.
McPhee, William J., Lakeside, Oreg. Bee board. 1,544,468; June 30.
McQuaid, Harry W., and A. G. Ripberger, assignors to The Timken Roller Bearing Company, Canton, Ohio. Device for and system of regulating temperatures. 1,544,259; June 30.
McQuarrie, James L., assignor to Western Electric Company, Incorporated, New York, N. Y. Automatic telephone-exchange system. 1,543,937; June 30.
Medford, Manor H., Canton, N. C. Steering wheel. 1,543,783; June 30.
Melville, Ward, New York, N. Y. Shoe heel. Des. 67,712; June 30.
Mengel, Charles C., assignor to The Mengel Company, Louisville, Ky. Wheel. 1,544,260; June 30.
Mengel Company, The. (See Mengel, Charles C., assignor.)
Merrick, Silas C., assignor to Standard Horse Nail Co., New Brighton, Pa. Manufacturing machine keys. 1,544,021; June 30.
Merrill, Frank W., East Orange, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method and apparatus for electrical regulation. 1,543,863; June 30.
Merritt, Louis G., Lockport, N. Y. Power transmission for veneer lathes. 1,543,678; June 30.
Merten, William J., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Sectional electric furnace. 1,543,719; June 30.
Metal Package Corporation of New York. (See Bruna, Alfred E., assignor.)
Metropolitan Electric Manufacturing Company. (See Eidlitz, Charles L., assignor.)
Metzger, Floyd J. (See Adams, C. E., and Metzger.)
Metzroth, William, Syracuse, N. Y. Controlling means for starters for internal-combustion engines. 1,544,261; June 30.
Mexco Limited. (See Scott, Alexander C., assignor.)
Midgley, Thomas, Hampden, assignor to The Fisk Rubber Company, Chicopee Falls, Mass. Marking rubber. 1,544,262; June 30.
Milmoe, Michael J., assignor to F. B. Redington Company, Chicago, Ill. Conveyer. 1,543,948; June 30.
Miller, Charles R., Houston, Tex. Ice-scoring machine. 1,543,864; June 30.
Miller, Frank R., assignor to The Graham Glass Company, Evansville, Ind. Bottle. Des. 67,718; June 30.
Miller, George W., Waynesville, N. C. Combination tool. 1,544,471; June 30.
Miller, James S., Clinton, Nebr. Self-closing automobile gate. 1,544,022; June 30.
Milwaukee Air Power Pump Company. (See Rogers, Homer S., assignor.)
Miner, James B., Bend, Oreg. Muzzle. 1,543,784; June 30.
Minett, Wilfred T. (See Gouldbourn, J., and Minett.)
Minor, Henry E., Ossining, assignor to General Carbonic Co., New York, N. Y. Curing molded rubber articles and apparatus therefor. 1,544,023; June 30.
Mitchell, Earnest E., Detroit, Mich. Tire-fabric-stripping machine. 1,543,944; June 30.
Modrell, Fred H., assignor of one-half to W. J. Doust, Spokane, Wash. Cuff button. 1,543,785; June 30.
Moeller, Henry L., and W. J. Willenborg, Weehawken, N. J. Safety device for tanks containing inflammable liquids. 1,544,024; June 30.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanisms for sewing machines. 1,543,945; June 30.
Moffatt, James R., assignor to Union Special Machine Company, Chicago, Ill. Feeding mechanism for sewing machines. 1,543,946; June 30.
Momberger, William G., assignor to Ammidon and Company, Baltimore, Md. Spoon. Des. 67,714; June 30.
Montgomery, Frank L., Buffalo, N. Y. Una-rail system. 1,544,263; June 30.
Moore, Charles C., San Francisco, Calif. Apparatus for the dehydration of vegetable produce. 1,543,947; June 30.
Moore, Charles C., San Francisco, Calif. Producing fruit cakes. 1,543,948; June 30.
Moore, D., Company. (See MacInnes, Robert H., assignor.)
Moore, Daniel H., Portland Oreg. Condiment holder. 1,544,472; June 30.
Moore, Oscar W., Chicago, Ill. Automobile radiator cap. Des. 67,715; June 30.
Moran, Peter E., Woodward, Iowa. Elevator dump structure. 1,544,264; June 30.
Morehouse, Eugene, assignor to B. A. Ballou & Co., Inc., Providence, R. I. Safety catch. 1,544,335; June 30.
Morgan & Wright. (See Fisher, George F., assignor.)
Morris, Harold W., Waltham, Mass., assignor to Frederick Osann Company, New York, N. Y. Stop mechanism. 1,544,025; June 30.
Morris, Howard I., Los Angeles, Calif, assignor, by mesne assignments, to The Yoder-Morris Company, Cleveland, Ohio. Method and apparatus for making tire treads. 1,544,065; June 30.
Morris, Jan, New York, N. Y. Combination lock. 1,544,265; June 30.
Morse, Wilbert C., Hollister, Idaho. Incubator. 1,544,026; June 30.
Muchmore, William H., assignor to The Crystal Waxing Company, Middletown, Ohio. Wrapper for wax sheets of paper. 1,543,865; June 30.
Mueller, Frederick E., and G. R. Bott, assignors to Norma-Hoffman Bearings Corporation, New York, N. Y. Textile spindle. 1,544,266; June 30.
Mueller, John J., jr., Ottawa, Ill. Plating device. 1,544,027; June 30.
Munson, Craig D., Wallingford, assignor to International Silver Company, Meriden, Conn. Combined doll and silverware holder. 1,544,267; June 30.
Murphy, John W., assignor to Corning Glass Works, Corning, N. Y. Workholder. 1,543,786; June 30.
Murray, Walter E., Fort Dodge, Nebr., assignor to Anakin Lock & Alarm Co., Chicago, Ill. Safe-door attachment. 1,544,268; June 30.
Myers, Eleazar, Leonia, N. J., assignor to The Columbia Mills, Incorporated. Fabric clamp. 1,544,336; June 30.

Naamlooze Vennootschap Financieele Maatschappij Driebergen. (See Groenebaum, Wilhelm, assignor.)
Nachman, Fred A. (See Sucksdorf, Louis A., assignor.)
Naida, William, Paterson, N. J. Collar button. 1,544,473; June 30.
National Blank Book Company. (See Schade, John, assignor.)
National Equipment Company. (See Bausman, Alonzo L., assignor.)
National Lace and Embroidery Company. (See Schmid, Werner, assignor.)
Naugle, Harry M., and A. J. Townsend, Canton, Ohio. Expanded-metal manufacture. 1,544,028; June 30.
Naugle, Harry M., and A. J. Townsend, Canton, Ohio. Expanded-metal manufacture. 1,544,269; June 30.
Neely, Carlos O. (See Williams, S. H., and Neely.)
Nelson, Fred S., Chicago, Ill. Card holder. 1,544,270; June 30.
Nelson, Hans J., Palo Alto, Calif. Water lifter and condenser. 1,544,029; June 30.
Nelson, Oscar J., assignor of one-half to W. D. Magruder, Canton, Ohio. Air-cleaning device. 1,544,271; June 30.
Nero, Arvid H., New Britain, assignor to The Arrow Electric Company, Hartford, Conn. Electric switch. 1,544,474; June 30.
Nethercut, Edgar S. (See Colman, Howard D., assignor.)
Nielsen, Elmer W. (See Cromartie, G. G., and Nielsen.)
Nightingale, Andrew J., Huntington Beach, Calif. Core-barrel connection. 1,544,167; June 30.
Nitardy, Ferdinand W., W. Fankhauser, Brooklyn, and F. Zachmann, Jamaica, assignors to E. R. Squibb & Sons, New York, N. Y. Bottle. Des. 67,716; June 30.
Nock, Harold E., assignor to Towle Manufacturing Company, Newburyport, Mass. Plate or analogous article. Des. 67,717; June 30.
Nolan, James A., Bowerston, Ohio. Feeder and scale for kickback dumps. 1,544,475; June 30.
Nolan, William E., San Francisco, Calif. Geared drill brace. 1,544,168; June 30.
Nordengren, Sven G., Landskrona, Sweden. Digging machine. 1,544,337; June 30.
Norma-Hoffman Bearings Corporation. (See Mueller, F. E., and Bott, assignors.)
Norton Company. (See Cole, Raymond A., assignor.)
Notvest, William R., Euclid, Ohio. Testing slate for electrical purposes. 1,543,866; June 30.
Nuebling, Edward, New York, N. Y. Window screen. 1,544,099; June 30.
Nuss, William. (See Kremp, August, assignor.)
Nuttall, R. D., Company. (See Phillips, W. H., and Hussey, assignors.)
Nya Nordiska Kullager Aktiebolaget. (See Peterson, Karl W., assignor.)
Nygren, Alfred M., Freeport, N. Y. High-pressure steam system. 1,544,888; June 30.
Oak Rubber Company, The. (See Shira, John W., assignor.)
Oderman, Theodore E., Oklahoma City, Okla. Bacon skinner. 1,544,339; June 30.
Odin Stove Manufacturing Company. (See Hoffstetter, Carl H., assignor.)
Oficer, Charles B., Chicago, Ill., assignor to Sullivan Machinery Company. Air-lift pumping mechanism. 1,544,100; June 30.
Olson, Olaf E., Chicago, Ill. Combined water column and liquid-level gauge. 1,544,340; June 30.
Olsay, Albert, Glen Ellyn, assignor to Gaw-O'Hara Envelope Co., Chicago, Ill. Envelope fastener and patch-applying machine. 1,544,101; June 30.
Olson, Adolph W., Mahnomen, Minn. Folding mail box. 1,543,949; June 30.
Olson, Oscar A., Chicago, Ill., assignor to Potent Dry Battery Company, Denver, Colo. Electrolyte for storage batteries. 1,543,787; June 30.
O'Mara, Henry P. (See Entwisle, T. J., Donnelly, and O'Mara.)
Onondaga Pottery Company. (See Henoch, Hanley, assignor.)
Oppenheim, René, assignor to the Société Anonyme le Carbone, Levallois-Perret, Seine, France. Rendering porous electrodes impermeable to liquids. 1,544,030; June 30.
Ort, Carl F. (See Elmen, G. W., and Ort.)
Orwig, James R., Okmulgee, Okla. Clip bar. 1,544,169; June 30.
Osann, Frederick, Company. (See Morris, Harold W., assignor.)
Osborn, George W., Cleveland Heights, Ohio. Gauge-cock model. 1,544,341; June 30.
Osborne Electro-Gas Vaporizer Company, The. (See Osborne, Leonard W., assignor.)
Osborne, Leonard W., assignor to The Osborne Electro-Gas Vaporizer Company, Baltimore, Md. Electric vaporizer. 1,544,476; June 30.
Osgood, Robert C., Claremont, N. H., assignor to Sullivan Machinery Company. Mining machine. 1,544,078; June 30.
Page, Howard L., Chicago, Ill. Reproducer for sound records. 1,543,867; June 30.
Palotee, John J., Youngstown, Ohio. Motor wrecking truck. 1,544,477; June 30.
Pancoast, Donald F., Cleveland, Ohio. Method of and apparatus for producing high-frequency electric welds and product resulting therefrom. 1,544,272; June 30.
Paquelier, René P. E. (See Malaval, P., and Paquelier.)
Paraffin Companies, The. (See Finley, Dozier, assignor.)
Paramount Rubber Consolidated, Inc. (See Roberts, Fred T. and W. E., assignors.)
Parker, John C., East Marion, Mass. Toy. 1,543,788; June 30.
Parker, Raisemond D., and G. S. Vernam, Brooklyn, N. Y., assignors to American Telephone and Telegraph Company. Printing-telegraph exchange system. 1,543,789; June 30.
Parks-Cramer Company. (See Comfort, Edward W., assignor.)
Parsons, Leon W. (See Wilson, R. E., Parsons, and Chisholm.)
Pattison, Albert W., Lockport, N. Y. Burner. 1,544,170; June 30.
Payne, Manfred D., Newark, N. J. Building block. 1,544,478; June 30.
Pease, F. F., Inc. (See Pease, Fred F., assignor.)
Pease, Fred F., East Braintree, assignor to F. F. Pease Inc., Boston, Mass. Confectionery-wrapping machine. 1,544,171; June 30.
Pedersen, Peder O., Frederiksberg, near Copenhagen, Denmark, assignor, by mesne assignments, to Poulsen Wireless Corporation. Arc generator. 1,544,102; June 30.
Pehrson, Jonas, assignor of one-fourth to F. O. Eickerman, Winnipeg, Manitoba, Canada. Cattle guard. 1,543,790; June 30.
Penn, Thomas G., Chicago, Ill. Calendar. 1,544,479; June 30.
Perkins, Alfred, Birmingham, England. Sorting and classifying of flat sheets, tallies, cards, or the like. 1,544,172; June 30.
Persson, Aksel V., Essington, and P. R. Månsson, Philadelphia, Pa. Windshield protector. 1,544,173; June 30.
Pescara, Raul P., Barcelona, Spain. Parachute propeller for helicopters. 1,544,174; June 30.
Petersen, Johannes, Aalborg, Denmark. Safety crank handle for autos. 1,544,175; June 30.
Peterson, Karl W., assignor, by mesne assignments, to Nya Nordiska Kullager Aktiebolaget, Gottenburg, Sweden. Roller or ball bearing. 1,544,176; June 30.
Petitpierre, Edouard E., Paris, France. Storage means for gases and the like. 1,543,679; June 30.
Pettit, Robert M., Baltimore, Md., assignor to Colloidal Soap Products Corporation, Dover, Del. Making soaps and detergents. 1,544,103; June 30.
Pettit, Robert M., Baltimore, Md., assignor to Colloidal Soap Products Corporation, Dover, Del. Making soaps and detergents. 1,544,104; June 30.
Petroleum Rectifying Company of California. (See Eddy, Harold C., assignor.)
Petroleum Rectifying Company. (See Land, Rector E., assignor.)
Pfaudler Co., The. (See Hunsiker, Otto F., assignor.)
Pfeifer, Ferdinand. (See Taylor, A. C., and Pfeifer.)
Phelan, Louis A. M., assignor to Absolute Con-Tac-Ter Corporation, Beloit, Wis. Thermostatic coil. 1,544,342; June 30.
Phillips, William H., Aspinwall, and W. G. Hussey, Pittsburgh, Pa., assignors to R. D. Nuttall Company. Flexible coupling. 1,543,720; June 30.
Phoenix-Hermetic Company. (See Fenn, James A., assignor.)
Phoenix Horse Shoe Company. (See Barron, Andrew J., assignor.)
Pleistick, Gustav, assignor to the Firm: Maschinenfabrik Augsburg-Nuernberg, Aktiengesellschaft, Augsburg, Germany. Compressed-air starting device for internal-combustion engines. 1,544,177; June 30.
Pierce, George, Montreal, Quebec, Canada. Automobile headlight. 1,543,951; June 30.
Pitter, Walter C., Eltham, England. Transmission gearing. 1,543,791; June 30.
Pittsburgh Transformer Company. (See Edwards, Donald V., assignor.)
Platt, Clarence D., Bridgeport, Conn. Electric switch. 1,543,952; June 30.
Plymouth Rubber Company. (See Gray, Matthew L., assignor.)
Poirier, Octave A., Gladstone, Minn. Expectorating device for vehicles. 1,543,868; June 30.
Polleys, Charles G., West Somerville, Mass. Wave motor. 1,544,031; June 30.
Polinkowsky, Lipa, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,543,869; June 30.
Posnick, George, Springfield, Mass. Attachment for hair clippers. 1,544,105; June 30.
Patent Dry Battery Company. (See Olson, Oscar A., assignor.)
Potes, Henry C. A., Levallois-Perret, France. Shock absorber for vehicles. 1,544,032; June 30.
Potter, James C., Pawtucket, R. I. Spinning and twisting machine. 1,544,033; June 30.
Potts, Joshua R. H., et al. (See Laughlin, Elmyr A., assignor.)
Poulsen Wireless Corporation. (See Pedersen, Peder O., assignor.)
Powell, John M., and G. Bemies, Fort Smith, Ark. Manually-propelled vehicle. 1,544,178; June 30.
Power, Henry E., assignor to The Carborundum Company, Niagara Falls, N. Y. Abrasive composition. 1,544,343; June 30.

Prange, Henry T., Kalamazoo, Mich. Magnifying glass. 1,543,870; June 30.
Prellwitz, William, Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Water-tube backhead connection for rock drills. 1,543,871; June 30.
Price, Hampton M., New York, N. Y. Instrument cabinet or similar article. Des. 67,718; June 30.
Procter, Joseph H., Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Radiant heating unit. 1,543,721; June 30.
Puddy, Edwin. (See McDonald, Una, assignor.)
Purdy, Truman J. (See Fetter, Samuel H., assignor.)
Putrow, Earl P., assignor to The Valtul Corporation, Milwaukee, Wis. Push-rod-adjusting tool. 1,544,520; June 30.
Pym, Arthur F., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Shoe-shaping apparatus. 1,543,792; June 30.
Racine, Hector Q., assignor to E. K. Hoyt, Atlantic, Mass. Door-securing means. 1,544,480; June 30.
Ragona, Vincent, New York, assignor to Cary Manufacturing Co., Brooklyn, N. Y. Making corrugated fasteners. 1,544,344; June 30.
Rahling, Henry D., Buffalo, N. Y. Bib mounting. 1,544,345; June 30.
Ratcliff, Peary F., Shreveport, La. Weedless fishhook. 1,544,034; June 30.
Rawlings, Charles W., Fairfield, Ohio. Detachable crank for automobile engines and the like. 1,544,179; June 30.
Rawson, William S., Springfield, Mass. Socket. 1,544,414; June 30.
Redfield, Snowden B., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Centrifugal unloader. 1,543,680; June 30.
Redington, F. B., Company. (See Milmoe, Michael J., assignor.)
Reese, Louis C., Saginaw, Mich. Baking bread and other articles. 1,544,481; June 30.
Refineries Clay Co. (See Bierce, Ernest C., assignor.)
Reineke, Charles, assignor to The Reineke Motor Corporation, New York, N. Y. Internal-combustion multi-stroke engine. 1,544,482; June 30.
Reineke Motor Corporation, The. (See Reineke, Charles, assignor.)
Reiter, Ralph H., Akron, Ohio. Piston ring. 1,544,180; June 30.
Remington Typewriter Company. (See Barney, Edwin E., assignor.)
Rench, William S., San Diego, Calif. Card holder. 1,544,035; June 30.
Re Qua, Frederick L., assignor to The Cutler-Hammer Mfg. Co., Milwaukee, Wis. Circuit controller. 1,543,722; June 30.
Reynolds, Melvin S., Woodlawn, Pa. Beam box for scales. 1,544,346; June 30.
Richards, Jessie A., et al., executors. (See Smith, De Wane B.)
Richardson Ball Bearing Skate Company. (See Ertl, George J., assignor.)
Richardson, Myron H. (See Antoine, A. D., Richardson, and Gebert.)
Richardson, William, and J. S. Foland, assignors to Heine Safety Boiler Company, St. Louis, Mo. Tool for installing handhole closures in boilers. 1,544,181; June 30.
Ricks, Harry W., Los Angeles, Calif. Graphic chart. 1,544,182; June 30.
Riggs, George E. (See Thayer, Fileston O., assignor.)
Ripberger, Alexander G. (See McQuaid, H. W., and Ripberger.)
Rivitz, Charles S., Cleveland, Ohio. Ladder shoe. 1,543,723; June 30.
Roberts, Fred T. and W. E., Yonkers, assignors to Paramount Rubber Consolidated, Inc., Tuckahoe, N. Y. Football. 1,543,724; June 30.
Roberts, William E. (See Roberts, Fred T. and W. E.)
Roberts, William T. B., Leicester, England, assignor to United Shoe Machinery Corporation, Paterson, N. J. Work support. 1,543,793; June 30.
Robinson, Eber, Greenville, S. C., assignor to Shambow Shuttle Company, Woonsocket, R. I. Spool. 1,543,794; June 30.
Robison, Benjamin T., East Bakersfield, Calif. Saw clamp. 1,544,183; June 30.
Rockwell, Hugh M., Bristol, Conn., assignor, by mesne assignments, to Standard Steel and Bearings Incorporated, Wilmington, Del. Continuous reading gauge. 1,543,795; June 30.
Rodger, William M., Wollaston, assignor to M. K. Forshee, Dorchester, Mass. Slipper. Des. 67,719; June 30.
Rodolausse, Eloi, St.-Antonin, France. Speed-controlling device for railway, tramway, and similar trains. 1,544,483; June 30.
Roe, Calvin B., assignor to Fostoria Glass Company, Moundsville, W. Va. Glass-molding apparatus. 1,543,725; June 30.
Roger, Gabriel C., Bordeaux, France. Embroidery-couching machine. 1,544,484; June 30.
Rogers, Homer S., assignor, by mesne assignments, to Milwaukee Air Power Pump Company, Milwaukee, Wis. Pneumatic pump. 1,544,347; June 30.
Romanelli, Louis, Chicago, Ill. Radio loud speaker. Des. 67,720; June 30.
Rorke, Edward F., St. Louis, Mo. Apparatus for purifying and conditioning water. 1,544,348; June 30.
Rosedale Foundry and Machine Company. (See Holt, Harris B., assignor.)
Rosencrants, Milton J., New York, N. Y. Nickel-chromium alloy and making same. 1,544,086; June 30.
Rosencrants, Milton J., New York, N. Y. Nickel-chromium alloy and making same. 1,544,087; June 30.
Rothschild, David T., Portland, Oreg. Carton. 1,543,953; June 30.
Rottgardt, Karl, Dahlem, near Berlin, Germany, assignor to Westinghouse Electric & Manufacturing Company. Radio transmission - recording system. 1,543,726; June 30.
Ruben, Samuel, New York, N. Y. Vacuum-tube apparatus. 1,543,873; June 30.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar-machine pasting device. 1,543,873; June 30.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Safety cigar-wrapper cutter. 1,543,874; June 30.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar-bunch-reducing mechanism. 1,543,875; June 30.
Rundell, Rupert E., Rockville Center, N. Y., assignor to International Cigar Machinery Company. Cigar-bunch-making mechanism. 1,543,876; June 30.
Ryan, Daniel J., Cleveland, Ohio. Apparatus for making cores. 1,544,038; June 30.
Saborsky, Arthur D., Cleveland, Ohio, assignor to The Advance Manufacturing Company, Detroit, Mich. Storing mechanism for type. 1,544,039; June 30.
Saborsky, Arthur D., Cleveland, Ohio, assignor, by mesne assignments, to The Advance Manufacturing Company, Detroit, Mich. Type distributing, storing, and setting mechanism. 1,544,040; June 30.
Samuel, William E. (See Sutherland, B. D., and Samuel.)
Sargent, Frederick, Glencoe, Ill., and D. S. Jacobus, Jersey City, assignors to The Babcock & Wilcox Company, Bayonne, N. J. Method of and apparatus for limiting concentration of salts in water in boilers. 1,543,727; June 30.
Saunders, Edward W., St. Louis, Mo. Exhaust-gas deflector for power-operated vehicles. 1,543,877; June 30.
Sawtelle, Elver E., Des Moines, Iowa. Demountable rim. 1,543,878; June 30.
Sawyer Specialty Scales Company. (See Sawyer, Walter E., assignor.)
Sawyer, Walter E., assignor to Sawyer Specialty Scales Company, Jacksonville, Fla. Weighing scale. 1,544,273; June 30.
Saxegaard, Andreas, Christiania, Norway. Domestic cooker. 1,544,274; June 30.
Schade, John, assignor to National Blank Book Company, Holyoke, Mass., a Voluntary Trust Association of Copartnership, F. B., E. S., and J. M. Town and F. W. Wilson, trustees. Loose-leaf book. 1,543,879; June 30.
Scheifele, Frederick W., Audubon, N. J. Crude-oil burner. 1,543,796; June 30.
Schinnes, Alf C. (See Johnson, M. J., and Schinnes.)
Schirnhofer, John P., Paintsville, Ky. Well drilling and fishing jar. 1,544,041; June 30.
Schmid, Werner, Brooklyn, assignor to National Lace and Embroidery Company, New York, N. Y. Doily. Des. 67,721; June 30.
Schmid, Werner, Brooklyn, assignor to National Lace and Embroidery Company, New York, N. Y. Doily. Des. 67,722; June 30.
Schmid, Werner, Brooklyn, assignor to National Lace and Embroidery Company, New York, N. Y. Doily. Des. 67,723; June 30.
Schmid, Werner, Brooklyn, assignor to National Lace and Embroidery Company, New York, N. Y. Doily. Des. 67,724; June 30.
Schnell, William, assignor to Shepard Art Metal Company, Detroit, Mich. Coating automobile door handles. 1,544,184; June 30.
Schnell, William, assignor to Shepard Art Metal Company, Detroit, Mich. Polishing machine. 1,544,185; June 30.
Scholihorn, William, Company, The. (See Bernard, William A., assignor.)
Schoonmaker, William H., Montclair, N. J. Combustion-engine attachment. 1,543,681; June 30.
Schopbach, Charles H., assignor to International Corset Company, Aurora, Ill. Combined corset and brassière. 1,544,186; June 30.
Schroeder, Peter, Buffalo, Minn. Chair. 1,544,187; June 30.
Schultz, Edward, Chicago, Ill., assignor to J. B. Ladd, Des Moines, Iowa. Swivel caster and bracket. 1,544,349; June 30.
Schulz, John H., Milwaukee, Wis. Resilient wheel. 1,543,728; June 30.
Schwark, Horace H. (See McCord, G. K., and Schwark.)
Sciortino, Joseph, Youngstown, Ohio. Nutcracker. 1,543,797; June 30.
Scott, Alexander C., Cardiff, Wales, assignor to Mexico Limited, London, England. Explosive. 1,543,798; June 30.
Scott, William M., Tredyffrin Township, Chester County, Pa. Switch-housing structure. 1,544,106; June 30.
Scoville, James D., assignor to S. Morgan Smith Co., York, Pa. Draft tube for hydraulic turbines. 1,544,485; June 30.

Sears, Charles H., Centralia, Wash. Sheave or pulley. 1,544,275; June 30.
Sebille, Leo P., assignor of one-half to B. M. Kent, Cleveland, Ohio. Tire carrier. 1,543,682; June 30.
Secretary of War of the United States of America, trustee. (See Wilson, E. E., Parsons, and Chisholm, assignors.)
Sedlak, Jacob, New York, N. Y. Switching device for radio sets. 1,544,486; June 30.
Segato, Charles H., Copenhagen, Denmark. Ringing tank for water-closets and the like. 1,543,799; June 30.
Sengbusch Self-Closing Inkstand Company. (See McGinty, Hugh L., assignor.)
Shambow, John C., assignor to Shambow Shuttle Company, Woonsocket, R. I. Shuttle. 1,544,276; June 30.
Shambow Shuttle Company. (See Robinson, Eber, assignor.)
Shambow Shuttle Company. (See Shambow, John C., assignor.)
Sharples, Arthur E., Providence, R. I. Chuck. 1,544,107; June 30.
Shaw, John K., Minneapolis, assignor to C. F. Dahlberg, St. Paul, Minn. Fiber board or felted interlaced fibers. 1,544,042; June 30.
Shaw, William, jr., et al. (See Shaw, William, sr., assignor.)
Shaw, William, sr., assignor of one-third to W. Shaw, jr., Esmond, R. I., and M. B. Sousa, Fall River, Mass. Spinning machine. 1,544,487; June 30.
Sheehan, Thomas C., Upper Montclair, N. J., assignor to Wade & Butcher Corporation. Making knife blades, etc. 1,543,880; June 30.
Shepard Art Metal Company. (See Schnell, William, assignor.)
Shepard, Stanley. (See Fogarty, John G., assignor.)
Sherwood, Charles F., Mill Valley, Calif. Reducing friction. 1,544,488; June 30.
Shewty, William M., Chicago, Ill., assignor to Space Saver Dish Company. Nestable container. 1,543,800; June 30.
Shira, John W., assignor to The Oak Rubber Company, Ravenna, Ohio. Toy balloon. 1,543,934; June 30.
Shobe, Chester L., Peru, Kans. Distributor and timer combined for internal-combustion engines. 1,544,043; June 30.
Shurtleff, Wilfred, assignor to The Herman Nelson Corporation, Moline, Ill. Controlling device for radiators. 1,543,881; June 30.
Siegel, Samuel J., New York, N. Y., assignor to J. B. Campbell Manufacturing Co., Salem, N. J. Oilcloth or similar article. Des. 67,726; June 30.
Simone, Aaron, New York, N. Y. Diamond die. 1,543,683; June 30.
Sisson, Glen B., Pendleton, Ind. Mixture control for internal-combustion engines. 1,544,350; June 30.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall for railway cars. 1,544,351; June 30.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall for railway cars. 1,544,352; June 30.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall for railway cars. 1,544,353; June 30.
Sisson, Vinton E., assignor to Union Metal Products Company, Chicago, Ill. Corrugated wall for railway cars. 1,544,354; June 30.
Skinner Horse-Hoof Combination Sweep Company. See Skinner, M. T., assignor.)
Skinner, M. T., Cleburne, Tex., assignor to Skinner Horse-Hoof Combination Sweep Company. Wing-sweep attachment for plows. 1,543,882; June 30.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Heist. 1,543,684; June 30.
Slater, Fred M., Easton, Pa., assignor to Ingersoll-Rand Company, Jersey City, N. J. Automatic air-feed regulator for rock drills. 1,543,883; June 30.
Slattery, John W., assignor to The Cornwall & Patterson Manufacturing Company, Bridgeport, Conn. Plating barrel. 1,544,188; June 30.
Slazenger, Frank L., New York, N. Y. Golf club. 1,544,489; June 30.
Slepian, Joseph, Wilkinsburg, Pa., assignor to Westinghouse Electric & Manufacturing Company. Electrolytic cell. 1,543,729; June 30.
Sloan, Alfred C., Philadelphia, Pa. Molding device. 1,543,955; June 30.
Smith, Alfred P., et al., executors. (See Smith, De Wane B.)
Smith, Andrew, San Mateo, Calif. Process of and apparatus for automatic electric arc welding. 1,544,044; June 30.
Smith, Andrew, Milwaukee, Wis. Oil pan for internal-combustion motors. 1,544,189; June 30.
Smith, Anna H. (See Smith, Henry H., assignor.)
Smith, Benjamin H., Turtle Creek, Pa., assignor to Westinghouse Electric & Manufacturing Company. Measuring system. 1,543,730; June 30.
Smith, D. E., & Company. (See Smith, De Wane B., assignor.)
Smith, De Wane B., deceased, Utica, N. Y.: G. R., M. H., and A. P. Smith and J. A. Richards, executors, assignors to D. B. Smith & Company, Inc., Utica, N. Y. Sprayer. 1,544,490; June 30.
Smith, Earl H., Marion, Ill. Piston. 1,544,491; June 30.
Smith, Edwin B., assignor to Marion Machine, Foundry & Supply Company, Marion, Ind. Grate construction. 1,543,801; June 30.
Smith, Golden E., et al., executors. (See Smith, De Wane B.)
Smith, Henry H., assignor of one-half to A. H. Smith, Berwyn, Pa. Making bronze. 1,544,108; June 30.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,543,731; June 30.
Smith, Jesse A. B., Stamford, Conn., assignor to Underwood Typewriter Company, New York, N. Y. Typewriting machine. 1,544,109; June 30.
Smith, John C., Los Angeles, Calif. Semiaero dirigible. 1,544,190; June 30.
Smith, Joseph B., Portland, Oreg. Automobile bed. 1,544,277; June 30.
Smith, Myron H., et al., executors. (See Smith, De Wane B.)
Smith, Orro N. (See Thomas, N. B., and Smith.)
Smith, Roland L., Belmont, Mass. Portable electric searchlight. 1,544,191; June 30.
Smith, Sidney S., assignor to Goulds Manufacturing Company, Seneca Falls, N. Y. Belt tightener. 1,544,192; June 30.
Smith S. Morgan, Co. (See Scoville, James D., assignor.)
Snow, A. Elwood, administrator. (See Wilcox, Merrill M.)
Snow, Arthur E., assignor to The Daly Manufacturing Company, Cincinnati, Ohio. Garment-pressing device. 1,544,492; June 30.
Snow, Barton S., Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill. Material-elevating apparatus. 1,544,278; June 30.
Snow, Barton S., Batavia, Ill., assignor to T. W. Snow Construction Co., Chicago, Ill. Mater-handling apparatus. 1,544,279; June 30.
Snow, Barton S., assignor to T. W. Snow Construction Co., Chicago, Ill. Material elevating and storage apparatus. 1,544,280; June 30.
Snow, T. W., Construction Co. (See Snow, Barton S., assignor).
Snowden, Arthur, Vancouver, British Columbia, Canada. Measuring pump for service stations. 1,544,193; June 30.
Société Anonyme Imexinel. (See Dykmans, Joseph, assignor.)
Société Anonyme la Carbone. (See Gindre, Eugène, assignor.)
Société Anonyme la Carbone. (See Oppenheim, René, assignor.)
Societe du Carburateur Zenith. (See Baverey, François, assignor.)
Societe l'Air Liquide (Societe Anonyme pour l'Etude et l'Exploitation des Procedes Georges Claude). (See Jordan, Eugène, assignor.)
Society of Chemical Industry in Basle. (See Fröhlich, Jaroslav, assignor.)
Sommer, William H., Peoria, Ill. Automatic coupler for industrial trucks. 1,544,355; June 30.
Sosa, Augustus M., assignor of one-half to A. F. Herbeleb, Cincinnati, Ohio. Balancing and apparatus therefor. 1,544,521; June 30.
Soule, Arthur C., San Francisco, Calif. Sash mounting. 1,543,956; June 30.
Soulié-Cottineau, Henri P., Villefranche, assignor to Le Cuivre Natif, Paris, France. Recuperation of metals from waste products. 1,544,495; June 30.
Sousa, Manuel B., et al. (See Shaw, William, sr., assignor.)
Space Saver Dish Company. (See Shewry, William M., assignor.)
Spaeth, Charles, assignor to The Marvel Equipment Company, Cleveland, Ohio. Hand truck. 1,544,356; June 30.
Spears, J. P., Chicago, Ill. Cigarette case. 1,544,045; June 30.
Speer, Victor. (See Litchfield, Henry L. and E. C., Speer, and Hermann.)
Spoehr, Arthur G. H. and A. C. E., Mintaro, South Australia, Australia. Attachment to the grain-cleaning device of a grain-harvesting machine. 1,544,494; June 30.
Spoehr, August C. E. (See Spoehr, Arthur G. H. and A. C. E.)
Sprague, Clifford, Nederland, Colo. Hack-saw frame. 1,544,496; June 30.
Sprecher, Peter W., Milwaukee, Wis. Electric fixture. 1,544,281; June 30.
Squibb, E. R., & Sons. (See Nitardy, F. W., Funkhauser, and Zachmann, assignors.)
Stackhouse, W. H., et al. (See Einfeldt, Ernest E., assignor.)
Staffa, Joseph and R., Chicago, Ill. Hat carrier. 1,544,046; June 30.
Staffa, Rudolf. (See Staffa, Joseph and R.)
Staley, John E., et al. (See McDonald, Harry D., assignor.)
Staley, Joseph H., Columbus, Ind. Preheating humidifier. 1,543,732; June 30.
Stall, Walter T., Brockton, Mass. Tackling dummy. 1,544,110; June 30.
Staman, Ray M. (See Struthers, G. E., and Staman.)
Standard Horse Nail Co. (See Merrick, Silas C., assignor.)

Standard Leather Machinery Company. (See Horsting, William F., assignor.)
Standard Steel and Bearings Incorporated. (See Rockwell, Hugh M., assignor.)
Stange, Christopher L., St. Louis, Mo. Lingerie button. Des. 67,726; June 30.
Stansfield, Alfred, Montreal, Quebec, Canada. Reducing ores. 1,544,111; June 30.
Stant, Ivan H. (See Stant, Kyle E. and I. H.)
Stant, Kyle E. and I. H., assignors to The Stant Machine Company, Connersville, Ind. Lock for radiator caps. 1,543,802; June 30.
Stant Machine Company, The. (See Stant, Kyle E. and I. H., assignors.)
Starks, John J., assignor to The Starks Manufacturing Co., Kansas City, Mo. Dipping and drying machine. 1,544,496; June 30.
Starks Manufacturing Co., The. (See Starks, John J., assignor.)
Starr, Wyatt C., Lake Wales, Fla. Self-tightening rope drum. 1,544,497; June 30.
Stary, Emil F., Cedar Rapids, Iowa. Gas engine. 1,543,803; June 30.
Steele, Lawrence C., Pittsburgh, Pa. Apparatus for handling metal sheets after pickling. 1,543,733; June 30.
Steiner, Edward, Auburn, Wash. Trellising hook. 1,543,957; June 30.
Steinwand, Otto J., Selma, Calif. Preparing fruits. 1,544,282; June 30.
Stevenson, William B. (See Kieffer, E. T., and Stevenson.)
Stewart, Burt C., Birmingham, and C. M. Holley, Detroit, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio. Automatic expansion valve. 1,544,194; June 30.
Stewart, Burt C., Birmingham, and C. M. Holley, Highland Park, Mich., assignors, by mesne assignments, to The Hoover Company, North Canton, Ohio. Controlling flow of fluid from the high to the low pressure lines of a fluid-circulating system. 1,544,195; June 30.
Stewart, Glenn E., Philadelphia, Pa., assignor to General Electric Company. Control system for electric switches. 1,544,536; June 30.
Stickless Fan Company. (See Lichter, Malvin.)
Stilson, Herbert A., Chicago, Ill. Automatic animal trap. 1,543,884; June 30.
Stimpson, Wallace I., assignor to Draper Corporation, Hopedale, Mass. Filling feeler bobbin. 1,544,522; June 30.
Stinson, Theodore H., Snohomish, Wash. Dirigible headlight. 1,544,047; June 30.
Stokely, Ray L., Floral Park, assignor to Western Electric Company, Incorporated, New York, N. Y. Semi-automatic telephone system. 1,543,685; June 30.
Stone, Alba E., Everett, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Pulling-over machine. 1,543,804; June 30.
Stout, Harry H., Douglas, Ariz. Treatment of copper metallurgical slag. 1,544,048; June 30.
Strasburger, William, and J. Hermann, jr., Cincinnati, Ohio. Rolling pin. Des. 67,727; June 30.
Stratman, Herman, et al. (See Lindenlauf, Joseph, assignor.)
Strichers, William B. (See Jensen, John J., assignor.)
Struthers, Garret E., and R. M. Staman, Walnut, Iowa. Cream separator. 1,544,498; June 30.
Studebaker Corporation. (See Mance, Frank A., assignor.)
Stull, John, Lecompton, Kans. Fencepost-brace holder. 1,544,283; June 30.
Stump, Horace E. (See Loomis, C. C., and Stump.)
Suckoff, Louis A., assignor of one-half to F. A. Nachman, Chicago, Ill. Spring assembly for upholstery. 1,544,415; June 30.
Suckoff, Louis A., assignor of one-half to F. A. Nachman, Chicago, Ill. Making spring assemblies for upholstery. 1,544,416; June 30.
Sullivan, Edwin Q., Red Bluff, Calif. Safety razor. 1,544,112; June 30.
Sullivan, John L., Berkeley, Calif. Wire-fastening device. Re16,103; June 30.
Sullivan Machinery Company. (See Holmes, Morris P., assignor.)
Sullivan Machinery Company. (See Lobbey, Fred T., assignor.)
Sullivan Machinery Company. (See Officer, Charles B., assignor.)
Sullivan Machinery Company. (See Osgood, Robert C., assignor.)
Sullivan Machinery Company. (See Treese, Edmund C., assignor.)
Sullivan Machinery Company. (See Wyman, Charles W., assignor.)
Sunderman, Richard, New York, N. Y., assignor to Johnson Automatic Sealer Co., Ltd., Battle Creek, Mich. Carton or container. 1,544,499; June 30.
Sutherland, Benjamin D., and W. E. Samuel, Llanelly, Wales. Trailer for vehicles. 1,543,958; June 30.
Swars, Paul G., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Trolley conductor and suspension means therefor. 1,543,734; June 30.
Sweet, Emma L., Wallace, Idaho. Game apparatus. 1,544,500; June 30.
Tackett, James R., Olive Hill, Ky. Broom stiffening and protecting device. 1,543,805; June 30.
Tait, Robert A., Los Angeles, Calif. Air valve. 1,544,284; June 30.
Taylor, Andrew C., Marysville, and F. Pfeifer, Springfield, Ohio, said Pfeifer assignor, by mesne assignments, to the said Taylor. Tiltable support for automobile headlights. 1,543,885; June 30.
Taylor, William H., assignor to E. and T. Fairbanks and Company, St. Johnsbury, Vt. Weighbeam-supporting means. 1,543,735; June 30.
Tedens, August J., Kendallville, Ind., assignor of one-half to C. J. Tedens. Rotary cultivator. 1,544,501; June 30.
Tedens, Clarence J. (See Tedens, August J., assignor.)
Teitsworth, Clark S., Lompoc, Calif., assignor to The Celite Company, Los Angeles, Calif. Heat-insulating composition. 1,544,196; June 30.
Ternstedt Manufacturing Company. (See Edgar, Frank M., assignor.)
Terry, Joseph T., Alhambra, assignor of one-half to J. E. Lacy, and one-eighth to R. H. Lacy, Los Angeles, Calif. Treating ores. 1,544,197; June 30.
Thatcher, Charles J., New York, N. Y. Electrolytic process. 1,544,357; June 30.
Thayer, Tilcston O., assignor of two-fifths to George E. Rigss, Albany, Oreg. Gate. 1,544,540; June 30.
Thermocen Equipment Company. (See Burns, Elmer Z., assignor.)
Thomas, Benjamin D., assignor of one-half to Thomas-Morse Aircraft Corporation, Ithaca, N. Y. Engine mounting for airplanes. 1,544,358; June 30.
Thomas, Horace T., Lansing, Mich. Sleeve for bearings. 1,543,959; June 30.
Thomas-Morse Aircraft Corporation. (See Thomas, Benjamin D., assignor.)
Thomas, Noble B., and O. N. Smith, Logansport, Ind. Iron. 1,544,502; June 30.
Thomas, Phillips, Edgewood, Pa., assignor to Westinghouse Electric & Manufacturing Company. Translating pressure variations. 1,543,736; June 30.
Thompson, Don N., Syracuse, N. Y. Electric-fixture switch. 1,543,806; June 30.
Thompson, John, Philadelphia, Pa. Tire tread. Des. 67,728; June 30.
Thompson, Willsie A. S. (See Gunn, R. W., and Thompson.)
Thomson, George A. (See Kahn, W. D., and Thomson.)
Thomson, Volney W., El Paso, Tex. Can. 1,544,506; June 30.
Thornhill-Anderson Company. (See Thornhill, Edwin B., assignor.)
Thornhill, Edwin B., Hurley, N. Mex., assignor to Thornhill-Anderson Company, Muskogee, Okla. Production of tin from ores thereof. 1,544,198; June 30.
Thornton, Frank, jr., Pittsburgh, Pa., assignor to Westinghouse Electric & Manufacturing Company. Automatic electric toaster. 1,543,737; June 30.
Timken-Detroit Axle Company, The. (See Alden, Herbert W., assignor.)
Timken Roller Bearing Company, The. (See McQuaid, H. W., and Ripberger, assignors.)
Timmerman, George H. (See Lehmann, J. C., and Timmerman.)
Tobin, Charles J. (See Tobin, John R. and C. J.)
Tobin, John R. and C. J., Langford, S. Dak. Insect guard and mussle. 1,543,960; June 30.
Tolbert, James, assignor of one-half to J. E. Daugherty, Richmond, Ind. Sidewalk edger. 1,544,359; June 30.
Toledo Scale Company. (See Crane, Samuel G., assignor.)
Toledo Scale Company. (See Hem, Halvor O., assignor.)
Tomlinson, Clifford J., West Allis, Wis. Rotary kiln. 1,544,504; June 30.
Tomray, Millard H. (See Frketo, S. L., and Tomray.)
Tope, William H., Chicago, Ill. Automobile camp bed. 1,544,505; June 30.
Torda, Theodore, Budapest, Hungary. Alternating-current induction motor. 1,544,118; June 30.
Towle Manufacturing Company. (See Nock, Harold E., assignor.)
Townsend, Arthur J. (See Naugle, H. M., and Townsend.)
Townsend, John S., assignor to Whiting Corporation, Harvey, Ill. Combination locomotive jack and driver lift. 1,543,807; June 30.
Treese, Edmund C., Huntington, W. Va., assignor to Sullivan Machinery Company. Mining machine. 1,544,076; June 30.
Treese, Edmund C., Huntington, W. Va., assignor to Sullivan Machinery Company. Mining machine. 1,544,077; June 30.
Trenor, Albert D., Gloucester, Mass., assignor to John H. Hammond, jr., Gloucester, Mass. System for the control of dirigible devices from a distance. 1,544,040; June 30.
Trotter, Henry R., Swarthmore, Pa., assignor to Westinghouse Electric and Manufacturing Company. Bleeder turbine. 1,544,285; June 30.
Trumble Gas Trap Co. (See Trumble, Milon J., assignor.)
Trumble, Milon J., assignor to Trumble Gas Trap Co., Los Angeles, Calif. Gas trap. 1,544,286; June 30.

Turner, Hubert S., Brooklyn, N. Y. Telephone system. 1,543,880; June 30.
Turnmire, Francis L., Oakland, Calif. Tire carrier. 1,543,808; June 30.
Tytus, John B., assignor to The American Rolling Mill Company, Middletown, Ohio. Metal-pickling process. 1,544,508; June 30.
Udale, Stanley M., and W. S. Anderson, assignors to E. Holley, Detroit, Mich. Die straightener. 1,544,360; June 30.
Underfeed Stoker Company of America, The. (See Beers, Royce L., assignor.)
Underwood, Roy C., Sydney, New South Wales, Australia. Cabinet for talking-machine record disks. 1,543,738; June 30.
Underwood Typewriter Company. (See Kurowski, Alfred G. F., assignor.)
Underwood Typewriter Company. (See Smith, Jesse A. B., assignor.)
Union Carbide Company. (See Helfenstein, Alois, assignor.)
Union Metal Products Company. (See Sisson, Vinton E., assignor.)
Union Special Machine Company. (See Moffatt, James R., assignor.)
United Shoe Machinery Corporation. (See Enslin, Herbert E., assignor.)
United Shoe Machinery Corporation. (See Gouldbourn, J., and Minett, assignors.)
United Shoe Machinery Corporation. (See Knowlton, Norwood H., assignor.)
United Shoe Machinery Corporation. (See Pyne, Arthur F., assignor.)
United Shoe Machinery Corporation. (See Roberts, William T. B., assignor.)
United Shoe Machinery Corporation. (See Stone, Alba E., assignor.)
United Shoe Machinery Corporation. (See Winsley, Erastus E., assignor.)
United States Radium Corporation. (See Leman, Edwin D., assignor.)
Universal Oil Products Company. (See Dubbs, Carbon P., assignor.)
Universal Oil Products Company. (See Egloff, G., and Brauer, assignors.)
Valtul Corporation, The. (See Putrow, Earl P., assignor.)
Van Bibber, Arthur E., assignor to The Congoleum Company, Philadelphia, Pa. Binder for floor coverings. 1,544,507; June 30.
Van Norman, Charles E., assignor to Van Norman Machine Tool Company, Springfield, Mass. Grinding machine. 1,544,287; June 30.
Van Norman Machine Tool Company. (See Van Norman, Charles E., assignor.)
Van Ormer, Banks W., Folsom, Pa., assignor to Westinghouse Electric and Manufacturing Company. Turbine blading. 1,544,288; June 30.
Van Zoeren, Gerrit J., and E. J. De Free, Holland, Mich. Reagent. 1,543,961; June 30.
Vaughn, Charles F., and R. E. Gegenheimer, Niagara Falls, assignors to The Mathieson Alkali Works, Inc., New York, N. Y. Electrolysis of alkali-metal chlorides. 1,544,078; June 30.
Veeder, Curtis H., assignor to The Veeder Manufacturing Company, Hartford, Conn. Hub odometer. 1,544,079. June 30.
Veeder Manufacturing Company, The. (See Veeder, Curtis H., assignor.)
Vernam, Gilbert S. (See Parker, R. D., and Vernam.)
Victor Talking Machine Company. (See Kieffer, E. T. and Stevenson, assignors.)
Vincent, Ernest H., Oakland, assignor of one-half to H. Christensen, San Francisco, Calif. Condenser. 1,544,199; June 30.
Voigt, Max T., Reading, Pa., assignor to L. Frankel, New York, N. Y. Transmission apparatus. 1,544,080; June 30.
Von Arco, Georg, assignor to Gesellschaft für Drahtlose Telegraphie m. b. H. Hallesches, Berlin, Germany. Arrangement for generating high-frequency energy. 1,544,508; June 30.
Vowell, Grover C., Ellenton, Fla., assignor of one-half to W. H. Brown, Manatee County, Fla. Spraying machine. 1,544,509; June 30.
Vowels, Walter R., St. Louis, Mo. Window cooler. 1,543,739; June 30.
Vreeland Apparatus Company. (See Vreeland, Frederick K., assignor.)
Vreeland, Frederick K., Montclair, N. J., assignor to Vreeland Apparatus Company, Inc., New York, N. Y. Transmitting intelligence by radiant energy. 1,544,081; June 30.
Wade & Butcher Corporation. (See Drew, John H., assignor.)
Wade & Butcher Corporation. (See Sheehan, Thomas C., assignor.)
Wadell, Albert H., Newark, N. J. Machine for facing the bearings of connecting rods. 1,544,361; June 30.
Wagner, Andrew, West Hoboken, N. J., assignor to Ferguson Bros. Mfg. Co., Hoboken, N. J. Table-top structure. 1,544,289; June 30.
Wagstaff, Andrew L., assignor to Wagstaff Box Manufacturing Company, Kansas City, Mo. Bottle case. 1,543,887; June 30.
Wagstaff Box Manufacturing Company. (See Wagstaff, Andrew L., assignor.)
Wahle, Adolph, Davenport, Iowa. Centrifugal blower. 1,543,740; June 30.
Walentowic, John, Verona, assignor of one-half to S. Mack, Oakmont, Pa. Combined flue stopper and stove-pipe support. 1,543,962; June 30.
Walker, Tom E., Alexandria, La. Shell. 1,543,809; June 30.
Walker, Winfield S., and H. A. Birdwell Limestone, Tenn. Retainer for floor boards. 1,543,810; June 30.
Walstad, Louis J., Oakland, Calif. Saw table. 1,544,290; June 30.
Walton, Julian N., New York, N. Y., assignor to Crane Packing Company, Chicago, Ill. Metallic packing. 1,543,963; June 30.
Ware, John H., Los Angeles, Calif. Swage. 1,544,510; June 30.
Waterhouse, Gerald C., Pasadena, Calif. Traffic signal. 1,544,200; June 30.
Waters, Charles B., Montclair, N. J. Welding process. 1,544,201; June 30.
Waters, Reginald H., Cumberland, Md., assignor to Kelly-Springfield Tire Company, New York, N. Y. Tread for a vehicle tire. Des. 67,729; June 30.
Weidmann, Hans, Frankfort-on-the-Main, Germany, assignor to American Lurgi Corporation, New York, N. Y. Recovering pure lithium salts. 1,544,114; June 30.
Weisglass, S., & Company. (See Lyding, Edwin, assignor.)
Weiss, Max, New York, N. Y. Toy device. 1,544,512; June 30.
Wellman, Harvey P., San Francisco, assignor to Anderson-Barngrover Mfg. Co., San Jose, Calif. Treating canned goods. 1,543,964; June 30.
Wells, Herbert J. C., New York, N. Y. Liquid-raising system. 1,544,082; June 30.
Wengraf, Frederick W., New Haven, Conn., assignor to Wilhelmine Wengraf, Chicago, Ill. Hoist. 1,543,686; June 30.
Wengraf, Wilhelmine. (See Wengraf, Frederick W., assignor.)
Westberg, Edward. (See Baker, James H., assignor.)
Western Electric Company. (See Atwood, George F., assignor.)
Western Electric Company. (See Bertels, Arnold S., assignor.)
Western Electric Company. (See Booth, William T., assignor.)
Western Electric Company. (See Conway, Roy D., assignor.)
Western Electric Company. (See Craft, Edward S., assignor.)
Western Electric Company. (See Dobbin, Henry F., assignor.)
Western Electric Company. (See Elmer, G. W., and Ort, assignors.)
Western Electric Company. (See Ferguson, John G., assignor.)
Western Electric Company. (See Field, Joseph C., assignor.)
Western Electric Company. (See Forsberg, Oscar F., assignor.)
Western Electric Company. (See Goff, Harold W., assignor.)
Western Electric Company. (See Goodrum, C. H., and Forsberg, assignors.)
Western Electric Company. (See Graham, Frank H., assignor.)
Western Electric Company. (See Hinrichsen, Edward E., assignor.)
Western Electric Company. (See Johnson, Lewis H., assignor.)
Western Electric Company. (See Kemp, Archie R., assignor.)
Western Electric Company. (See Lundius, Eric E., assignor.)
Western Electric Company. (See McQuarrie, James L., assignor.)
Western Electric Company. (See Merrill, Frank W., assignor.)
Western Electric Company. (See Polinkowsky, Lipa, assignor.)
Western Electric Company. (See Stokely, Ray L., assignor.)
Western Electric Company. (See Wilbur, R. S., and Johnson, assignors.)
Western Electric Company. (See Williams, Robert E., assignor.)
Western Electric Company. (See Williams, Samuel B., assignor.)
Western Electric Company. (See Wilson, S. B., and Gibson, assignors.)
West Steel Casting Company, The. (See Lavery, George L., assignor.)
Weymouth, Harry G., Cleveland, Ohio. Fuel device for motors. 1,543,965; June 30.
Westinghouse Electric & Manufacturing Company. (See Ashworth, Everett, assignor.)
Westinghouse Electric and Manufacturing Company. (See Biebel, Herman M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Colby, Ora A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Conrad, Frank, assignor.)

Westinghouse Electric and Manufacturing Company. (See Copley, A. W., and Evans, assignors.)
Westinghouse Electric and Manufacturing Company. (See Crichton, Leslie N., assignor.)
Westinghouse Electric & Manufacturing Company. (See Dickey, Daniel A., assignor.)
Westinghouse Electric & Manufacturing Company. (See Garceion, George H., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hall, A. J., and Mardis, assignors.)
Westinghouse Electric & Manufacturing Company. (See Hands, Howard A., assignor.)
Westinghouse Electric and Manufacturing Company. (See Hodgkinson, Francis, assignor.)
Westinghouse Electric and Manufacturing Company. (See Kasley, Alexander T., assignor.)
Westinghouse Electric & Manufacturing Company. (See Little, George M., assignor.)
Westinghouse Electric & Manufacturing Company. (See Marbury, Ralph E., assignor.)
Westinghouse Electric and Manufacturing Company. (See Marsland, Roland, assignor.)
Westinghouse Electric & Manufacturing Company. (See Merton, William J., assignor.)
Westinghouse Electric & Manufacturing Company. (See Procter, Joseph H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Rottgardt, Karl, assignor.)
Westinghouse Electric & Manufacturing Company. (See Slepian, Joseph, assignor.)
Westinghouse Electric & Manufacturing Company. (See Smith, Benjamin H., assignor.)
Westinghouse Electric & Manufacturing Company. (See Swarz, Paul G., assignor.)
Westinghouse Electric & Manufacturing Company. (See Thomas, Phillips, assignor.)
Westinghouse Electric & Manufacturing Company. (See Thornton, Frank, jr., assignor.)
Westinghouse Electric and Manufacturing Company. (See Trotter, Henry R., assignor.)
Westinghouse Electric and Manufacturing Company. (See Van Ormer, Banks W., assignor.)
Westinghouse Electric Products Company. (See Greenawalt, Lewis J., assignor.)
Wheary-Burge Trunk Company. (See Wheary, George H., assignor.)
Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Wardrobe trunk. Des. 67,731; June 30.
Wheary, George H., assignor to Wheary-Burge Trunk Company, Racine, Wis. Wardrobe trunk. Des. 67,730; June 30.
Whipple, George W. (See McMillan, A. S., and Whipple.)
White Pine Sash Company. (See Edmond, Oscar G., assignor.)
White, William C., Schenectady, N. Y., assignor to General Electric Company. System for producing oscillations. 1,544,202; June 30.
Whitin Machine Works. (See Dooley, John H., assignor.)
Whiting Corporation. (See Townsend, John S., assignor.)
Whitney, Carl H., Craig, Nebr. Game. 1,544,511; June 30.
Whitten, Francis S., Miami, Fla., assignor, by mesne assignments, to Columbia Phonograph Company, Inc. Methods and means for surfacing or edging articles. 1,544,063; June 30.
Wickes, Powers A., assignor to Willamette Iron and Steel Works, Portland, Oreg. Diaphragm air-friction device. 1,543,888; June 30.
Wickes, Powers A., assignor to Willamette Iron and Steel Works, Portland, Oreg. Logging engine. 1,543,889; June 30.
Wiener, David, New York, N. Y. Doll. 1,544,034; June 30.
Wiger, Louis, Chicago, Ill. Adjustable saw-setting gauge. 1,543,687; June 30.
Wilbur, Ray S., Lyndhurst, and E. D. Johnson, East Orange, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Switching system. 1,543,688; June 30.
Wilcox, Merrill M., deceased, Saginaw, Mich.; A. E. Snow, administrator. Rotary tappet. 1,544,382; June 30.
Wild, Joseph P., Waukesha, Wis. Tumbling and sand-blast-cleaning machine. 1,544,518; June 30.
Wiley, Samuel, Metuchen, N. J. Fuse. 1,543,689; June 30.
Willamette Iron and Steel Works. (See Wickes, Powers A., assignor.)
Willard, Eugene K., Boston, Mass. Motion-picture projector apparatus. 1,543,892; June 30.
Willard, George H., assignor to Draper Corporation, Hopedale, Mass. Feeler mechanism for looms. 1,544,423; June 30.
Willard, Waldo W. (See Hewlett, E. M., and Willard.)
Willenborg, Walter J. (See Moeller, H. L., and Willenborg.)
Williams, Clinton P., assignor of one-half to W. J. Beaven, Tonkawa, Okla. Elevator. 1,543,966; June 30.
Williams, John C., assignor to John C. Williams Corporation, Miami, Fla. Mechanical movement and engine. 1,543,891; June 30.
Williams, John C., Corporation. (See Williams, John C., assignor.)
Williams, Louis N. D., Ogontz, Pa. Device for transferring knitted fabrics. 1,544,085; June 30.
Williams, Robert R., Roselle, N. J., assignor to Western Electric Company, Incorporated, New York, N. Y. Method of and apparatus for vulcanizing rubber. 1,543,890; June 30.
Williams, Samuel B., Brooklyn, assignor to Western Electric Company, Incorporated, New York, N. Y. Telephone system. 1,543,893; June 30.
Williams, Samuel B., Brooklyn, N. Y., and E. S. Gibson, Ridgewood, N. J., assignors to Western Electric Company, Incorporated, New York, N. Y. Telephone-exchange system. 1,543,967; June 30.
Williams, Sion H., and C. O. Neely, Hornbeck, Tenn. Combination insect trap and bait bucket. 1,543,968; June 30.
Willys-Overland Company, The. (See Belden, Edward H., assignor.)
Willys-Overland Company. (See McKinley, C. W., and Hoffman, assignors.)
Wilson, Robert E., L. W. Parsons, and S. L. Chisholm, Cambridge, Mass., assignors to the Secretary of War of the United States of America, trustee. Production of alkali-earth-metal permanganates. 1,544,115; June 30.
Wilson, William F., Tieton, Wash. Ditching plow. 1,543,894; June 30.
Winkley, Erastus E., Lynn, Mass. Detonating mechanism. 1,543,895; June 30.
Winkley, Erastus E., Lynn, Mass., assignor to United Shoe Machinery Corporation, Paterson, N. J. Matrix roll and making the same. 1,544,050; June 30.
Winslow, Russell, Worcester, Mass., assignor to The Samuel Winslow Skate Manufacturing Company. Roller skate. 1,544,116; June 30.
Winslow, Samuel, Skate Manufacturing Company, The. (See Winslow, Russell, assignor.)
Wise, George, Akron, Ohio, assignor to The B. F. Goodrich Company, New York, N. Y. Tire-building apparatus. 1,543,896; June 30.
Wise-McClung Manufacturing Company, The. (See Adams, Thomas O., assignor.)
Witherow Steel Company. (See Witherow, William P., assignor.)
Witherow, William P., assignor to Witherow Steel Company, Pittsburgh, Pa. Car step and making the same. 1,544,417; June 30.
Wood, Louis P., Nisland, S. Dak. Dumping body for trucks and wagons. 1,544,537; June 30.
Worner, William D. (See Hegne, Herbert, assignor.)
Wright, John H., and E. H. Grove, Byron, Calif. Automatic train stop. 1,544,514; June 30.
Wright, Lulu T., Los Angeles, Calif. Bottle holder. 1,544,291; June 30.
Wright, William C., Lynn Haven, Fla. Billiard-cue-tip holder. 1,543,811; June 30.
Wyatt, Ernest V., New York, N. Y. Gravity pneumatic lid check. 1,544,117; June 30.
Wyman, Charles W., Claremont, N. H., assignor to Sullivan Machinery Company. Combined strainer and pipe coupling. 1,544,086; June 30.
Yancey, William F., Philadelphia, Pa. Underwater periscope. 1,544,118; June 30.
Yoder-Morris Company, The. (See Morris, Howard I., assignor.)
Young, Noel, Noblesville, Ind. Cantilever-spring construction. 1,543,969; June 30.
Zachmann, Frank. (See Nitardy, F. W., Fankhauser, and Zachmann.)
Zaun, George F., San Bernardino, Calif. Lamp and lantern. 1,544,119; June 30.
Zeiss, Firm of Carl. (See Eppenstein, Otto, assignor.)
Zickerman, Frederik O. (See Pehrson, Jonas, assignor.)
Zickos, John T. and W. T., assignors of one-third to T. H. Grant, Fulton, Mo. Confection apparatus. 1,544,120; June 30.
Zickos, William T. (See Zickos, John T. and W. T.)
Zippler, Francis J., Avalon, Pa. Furnace construction. 1,543,970; June 30.
Zitzerman, Jacob, Brooklyn, N. Y. Console cabinet or similar article. Des. 67,732; June 30.
Zoline, Orrin E., assignor to Brand & Oppenheimer, Incorporated, New York, N. Y. Bias cutting. 1,544,051; June 30.

ALPHABETICAL LIST OF INVENTIONS

FOR WHICH

PATENTS WERE ISSUED ON THE 30TH DAY OF JUNE, 1925.

NOTE.—Arranged in accordance with the first significant character or word of the name (in accordance with city and telephone directory practice). Includes patents, reissues, and designs.

Abrasive composition. H. E. Power. 1,544,343; June 30.
Abrasive or similar substances, Determining the relative hardness of. F. A. Mance. 1,544,332; June 30.
Advertising device. H. Hanscom. 1,543,852; June 30.
Air and gases, Apparatus for heating. W. Dyrssen. 1,543,900; June 30.
Air-brake attachment. R. E. Harris. 1,544,390; June 30.
Air-cleaning device. O. J. Nelson. 1,544,271; June 30.
Air-lift-pumping mechanism. C. B. Officer. 1,544,100; June 30.
Air purifier and moistener. A. J. Fandrey. 1,543,760; June 30.
Airplanes, Engine mounting for. B. D. Thomas. 1,544,358; June 30.
Airship. J. E. Broyles. 1,544,433; June 30.
Air valve. E. A. Tait. 1,544,284; June 30.
Alkali-earth-metal permanganates, Production of. R. E. Wilson, L. W. Parsons, and S. L. Chisholm. 1,544,115; June 30.
Alloy and making same, Nickel-chromium. M. J. Rosencrantz. 1,544,036–7; June 30.
Alloy, Metallic. B. M. Huff. 1,543,921; June 30.
Aluminum chloride, Making. A. M. McAfee. 1,544,328; June 30.
Ammonia, Direct synthesis of. G. Claude. 1,544,373; June 30.
Amusement house. H. C. Conrad. 1,544,220; June 30.
Amusement or game apparatus. F. L. Haner. 1,544,452; June 30.
Anchor, C. E. Allen. 1,544,121; June 30.
Animal trap, Automatic. H. A. Stilson. 1,543,864; June 30.
Antiskid chains. Cross-chain connecter for. A. I. G. Du Rees. 1,543,702; June 30.
Arbor press. O. M. Hatcher and J. C. Campbell. 1,544,393; June 30.
Arc generator. P. O. Pedersen. 1,544,102; June 30.
Arc welding, Process of and apparatus for automatic electric. A. Smith. 1,544,044; June 30.
Arch appliance. L. Lucken. 1,543,780; June 30.
Auto light, Reversible. P. Brown. 1,543,982; June 30.
Autos, Safety crank handle for. J. Petersen. 1,544,175; June 30.
Automatic telephone system. F. T. Madsen. 1,544,330; June 30.
Automobile bumper and brace. B. P. Lier. 1,544,163; June 30.
Automobile door handles, Coating. W. Schnell. 1,544,184; June 30.
Automobile frame. E. H. Belden. 1,543,820; June 30.
Automobile gate, Self-closing. J. S. Miller. 1,544,022; June 30.
Automobile radiator cap. O. W. Moore. Des. 67,715; June 30.
Automobile running boards, Toe plate for. J. E. Erskine. Des. 67,689; June 30.
Automobile transmission, Electric four-wheel. J. M. Conklin. 1,544,517; June 30.
Automobile transmissions, Foot-speed selector for. J. Blackburn. 1,543,821; June 30.
Automobiles, Adjustable foot rest for. J. A. McMaster. 1,544,258; June 30.
Automobiles, Appliance carrier for. D. H. Fisher. 1,543,993; June 30.
Automobiles, Brake-operating means for. S. I. Pekete and M. H. Toncray. 1,544,302; June 30.
Automobiles, Composite body for. J. Ledwinka. 1,543,857; June 30.
Automobiles, Safety-clutch controller for. O. Kugler, sr. 1,544,324; June 30.
Automobiles, Slip cover for. E. R. Eddins. 1,544,141; June 30.
Bacon skinner. T. E. Oderman. 1,544,339; June 30.
Balancing and apparatus therefor, A. M. Sosa. 1,544,521; June 30.
Band cutter and feeder. C. L. Loller. 1,543,860; June 30.
Band, Friction. E. R. Gill. 1,543,707; June 30.
Bank novelty. V. P. Alexander. 1,543,638; June 30.
Bar: See—
Clip bar.
Barrel, Plating. J. W. Slattery. 1,544,188; June 30.
Baseball game, Parlor. J. Davies. 1,543,700; June 30.
Basket-ball goal. H. C. Harbison. 1,544,453; June 30.
Batteries, Electrolyte for storage. O. A. Olson. 1,543,787; June 30.
Bauxite, Preparation of. A. M. McAfee. 1,543,934; June 30.
Bearing, Roller or ball. K. W. Peterson. 1,544,176; June 30.
Bearing, Thrust. E. U. Gibbs. 1,544,443; June 30.
Bearings of connecting rods, Machine for facing the. A. H. Wadell. 1,544,361; June 30.
Bearings, Sleeve for. H. T. Thomas. 1,543,959; June 30.
Bed, Automobile. J. E. Smith. 1,544,277; June 30.
Bed, Automobile camp. W. H. Tope. 1,544,505; June 30.
Bed construction. M. Lippe. 1,544,249; June 30.
Belt tightener. S. C. Smith. 1,544,192; June 30.
Bee board. W. J. McPhee. 1,544,468; June 30.
Bias cutting. O. B. Zoline. 1,544,051; June 30.
Bib mounting. H. D. Rahling. 1,544,346; June 30.
Billiard-cue-tip holder. W. C. Wright. 1,543,811; June 30.
Blankets or fabrics, Machine for treating. E. McCreary. 1,544,466; June 30.
Blasting, Method and apparatus for. G. C. Lewis. 1,544,247; June 30.
Block: See—
Building block. Wheel block.
Blower, Centrifugal. A. Wahle. 1,543,740; June 30.
Board: See—
Bee board.
Bobbin, Filling-feeder. W. I. Stimpson. 1,544,522; June 30.
Boiler-feed-water-supply system. H. Fothergill. 1,543,911; June 30.
Bone-cutting device, Electrically-operated surgical. J. A. Heidbrink. 1,543,847; June 30.
Book end or similar article. J. Katz. Des. 67,706; June 30.
Book, Loose-leaf. J. Schade. 1,543,879; June 30.
Book-making machine. T. E. Heeter. 1,544,394; June 30.
Books, Covers and binding for. A. Mann. 1,544,252; June 30.
Bosh plate, Water-cooled. W. Mathesius. 1,543,940; June 30.
Bottle. F. R. Miller. Des. 67,713; June 30.
Bottle. F. W. Nitardy, W. Fankhauser, and F. Zachmann. Des. 67,716; June 30.
Bottle case. A. L. Waxstaff. 1,543,887; June 30.
Bottle holder. L. T. Wright. 1,544,291; June 30.
Bowling balls or the like, Lock and handle for. C. A. Ballard. 1,543,743; June 30.
Box: See—
Collapsible box. Mail box.
Box. F. Javal. Des. 67,706; June 30.
Box cover and picture frame, Combined. A. E. Bruns. 1,544,214; June 30.
Box or crate, Collapsible. V. T. Hunter. 1,543,923; June 30.
Box top. B. H. Lengsfield. 1,544,463; June 30.
Brace: See—
Geared drill brace.
Bracer, Back. A. J. La Vigne. 1,544,162; June 30.
Bracket: See—
Shingling bracket.
Brass melting furnace. O. A. Colby. 1,543,695; June 30.
Brassière and diaphragm supporter. V. Landrasse. 1,544,245; June 30.
Bread and other articles, Baking. L. C. Reese. 1,544,481; June 30.
Brick and the like, Apparatus for transporting and setting. W. W. Dickinson, jr. 1,543,752; June 30.
Bronze, Making. H. H. Smith. 1,544,108; June 30.
Broom-corn tabler. E. J. Hale. 1,544,450; June 30.
Broom stiffening and protecting device. J. R. Tackett. 1,543,805; June 30.
Building block. M. D. Payne. 1,544,478; June 30.
Building construction. J. Cormie. 1,543,698; June 30.
Burglar-alarm system. W. McNamee. 1,544,019; June 30.
Burner: See—
Oil burner.
Burner. A. W. Pattison. 1,544,170; June 30.
Burner and oven. M. M. Kohn. 1,544,014; June 30.
Burners, Combustion chamber for fuel. L. E. Johnson. 1,543,776; June 30.
Butt-bend side holder. W. F. Horsting. 1,543,672; June 30.
Button, Collar. W. Naida. 1,544,478; June 30.
Button fastener. J. A. Dufault. 1,544,067; June 30.
Button, Lingerie. C. L. Stange. Des. 67,726; June 30.
Cabinet. R. F. Blood. 1,543,980; June 30.

Cabinet or similar article, Console. J. Zitzerman. Des. 67,732; June 30.
Cabinet or similar article, Instrument. H. M. Price. Des. 67,718; June 30.
Cakes, Producing fruit. C. C. Moore. 1,543,943; June 30.
Calcium arsenates, Production of. D. Lopez. 1,544,250; June 30.
Calendar. T. G. Penn. 1,544,479; June 30.
Calling device. W. T. Booth. 1,543,662; June 30.
Camera. K. Anderson. 1,543,741; June 30.
Can. V. W. Thomson. 1,544,508; June 30.
Canned fruits, vegetables, or the like, Method of and apparatus for sterilising and sealing. W. B. Fenn. 1,544,384; June 30.
Canned goods, Treating. H. P. Wellman. 1,543,964; June 30.
Cantilever-spring construction. N. Young. 1,543,969; June 30.
Car coupling, Mine-. A. J. Baldwin. 1,544,203; June 30.
Car door, Railway-. P. M. Elliott. 1,544,298; June 30.
Car mounting. E. A. Laughlin. 1,544,241; June 30.
Car step and making the same. W. P. Witherow. 1,544,417; June 30.
Car stop. R. Breyley. 1,544,369; June 30.
Cars, Corrugated wall for railway. V. E. Sisson. 1,544,351–4; June 30.
Carbohydrates from vegetable matter, Process and plant for manufacturing. E. Högglund. 1,544,149; June 30.
Carbon and producing same, Decolorising. C. J. Gambel. 1,543,763; June 30.
Carburetor. F. Baverey. 1,543,975; June 30.
Card and pencil holder, Score. W. C. Lyman. 1,544,016; June 30.
Card holder. F. S. Nelson. 1,544,270; June 30.
Card holder. W. S. Rench. 1,544,035; June 30.
Carrier: *See*—
Egg carrier. Luggage carrier.
Hat carrier. Tire carrier.
Carton. D. T. Rothschild. 1,543,953; June 30.
Carton or container. R. Sunderman. 1,544,499; June 30.
Cartridge, Explosive. G. B. Holderer. 1,543,850–1; June 30.
Case: *See*—
Bottle case. Clock case.
Cigarette case. Display case.
Casing perforator. H. S. Cameron and J. S. Abercrombie. 1,543,903; June 30.
Cast-iron pipe, Molding of spiral corrugated. D. B. Dimick. 1,544,062; June 30.
Cast pipe and joint therefor. D. B. Dimick. 1,544,057; June 30.
Casting pipe. D. B. Dimick. 1,544,059; June 30.
Casting pipe, Apparatus for. D. B. Dimick. 1,544,060; June 30.
Casting pipe, Pattern for. D. B. Dimick. 1,544,061; June 30.
Catch, Safety. E. Morehouse. 1,544,335; June 30.
Cattle guard. J. Pehrson. 1,543,790; June 30.
Centrifugal separator. J. B. Arpin. 1,544,366; June 30.
Chair. P. Schroeder. 1,544,187; June 30.
Chair, Child's folding. I. H. Behymer. 1,544,423; June 30.
Chart, Iagram. M. Loewenthal. 1,544,327; June 30.
Chart, Graphic. H. W. Ricks. 1,544,182; June 30.
Check-printing scale, Electric. S. G. Crane. 1,543,751; June 30.
Chopper: *See*—
Cotton chopper.
Chuck. A. E. Sharples. 1,544,107; June 30.
Cigar-bunch-making mechanism. R. E. Rundell. 1,543,876; June 30.
Cigar-bunch-reducing mechanism. R. E. Rundell. 1,543,875; June 30.
Cigar lighter, Electric. L. J. Greenawalt. 1,543,708; June 30.
Cigar lighter or similar article. H. D. McDonald. Des. 67,709; June 30.
Cigar-machine-pasting device. R. E. Rundell. 1,543,873; June 30.
Cigar-wrapper cutter, Safety. R. E. Rundell. 1,543,874; June 30.
Cigarette case. J. P. Spears. 1,544,045; June 30.
Circuit controller. F. L. ReQua. 1,543,722; June 30.
Clamp: *See*—
Fabric clamp. Saw clamp.
Clasp: *See*—
Lingerie clasp. Spring-band clasp.
Clay, Treating colloidal. E. C. Bierce. 1,544,210; June 30.
Clip: *See*—
Roofing clip. Spring terminal clip.
Clip bar. J. R. Orwig. 1,544,169; June 30.
Clock case. E. G. Lawrence. 1,544,461; June 30.
Clutch. S. P. Grimm. 1,544,447; June 30.
Coal feeder, Pulverized. A. S. McMillan and C. W. Whipple. 1,543,936; June 30.
Coke, Plant for separating. J. B. Arpin. 1,544,365; June 30.
Collapsible box. F. Graffenberger. 1,544,311; June 30.
Collapsible tube. W. C. Huntoon, jr. 1,544,232; June 30.
Collar. E. A. King. 1,544,012; June 30.
Combination lock. E. J. Hardgrave. 1,544,454; June 30.
Combination lock. J. Morris. 1,544,265; June 30.
Combing machines, Waste collector for. J. H. Dooley. 1,544,228; June 30.
Combustion motor. V. Entler. 1,544,382; June 30.
Combustion regulation. G. H. Gibson. 1,544,810; June 30.
Compasses, Brush guide for. G. E. Janes. 1,544,234; June 30.
Concentrating solutions. N. C. Christensen. 1,544,130; June 30.
Concrete construction, Reinforced. A. Henderson. 1,543,848; June 30.
Condenser. H. C. Mallory. 1,543,677; June 30.
Condenser. E. H. Vincent. 1,544,199; June 30.
Condiment holder. D. H. Moore. 1,544,472; June 30.
Confection apparatus. J. T. and W. T. Zickos. 1,544,120; June 30.
Confectionery-wrapping machine. F. F. Pease. 1,544,171; June 30.
Confections, Machine for automatically molding. A. L. Bausman. 1,543,745; June 30.
Connecting rods, pistons, etc., Truing up. C. N. Addis. 1,543,812; June 30.
Controller-actuating device. M. W. Hanks. 1,544,314; June 30.
Conveyor. M. J. Milmoe. 1,543,945; June 30.
Cooker, Domestic. A. Saxegaard. 1,544,274; June 30.
Cooler: *See*—
Window cooler.
Coordinate switch. F. H. Graham. 1,543,670; June 30.
Copper metallurgical slag, Treatment of. H. H. Stout. 1,544,048; June 30.
Copper sheets electrolytically, Method of and apparatus for producing. W. W. McCord. 1,543,861; June 30.
Copy holder. W. A. Homan. 1,544,401; June 30.
Cord fabric, Preparing. M. Castricum. 1,544,217; June 30.
Core-barrel connection. A. J. Nightingale. 1,544,167; June 30.
Cores, Apparatus for making. D. J. Ryan. 1,544,038; June 30.
Corrugated fastener, Making. V. Ragona. 1,544,344; June 30.
Corset and brassière, Combined. C. H. Schopbach. 1,544,186; June 30.
Cot, Folding. B. B. Dudley. 1,544,140; June 30.
Cotton chopper. C. H. Bihl. 1,544,211; June 30.
Coupling: *See*—
Car coupling. Pipe coupling.
Flexible coupling. Universal coupling.
Cream, Apparatus for deodorising. O. F. Hunziker. 1,543,853; June 30.
Cream separator. G. E. Struthers and R. M. Staman. 1,544,498; June 30.
Crib corner lock. E. Lyding. 1,544,251; June 30.
Crucible, Lined. M. S. Clawson. 1,543,905; June 30.
Cuff button. F. H. Modrell. 1,543,785; June 30.
Cuff link. J. F. Connor. 1,544,131; June 30.
Cultivator. E. H. M. Klukas. 1,543,777; June 30.
Cultivator. H. E. Krebs. 1,544,094; June 30.
Cultivator, Rotary. A. J. Teders. 1,544,501; June 30.
Cultivators, Attachment for. W. H. Edmondson. 1,544,295; June 30.
Cup: *See*—
Grease cup.
Cup, Handle. W. G. Flint. Des. 67,693; June 30.
Current induction motor, Alternating-. T. Torda. 1,544,118; June 30.
Currents, Method and system for amplifying variable. G. W. Elmen and C. F. Ort. 1,544,381; June 30.
Cut-out assembly. O. Kersten. 1,543,927; June 30.
Cutter: *See*—
Cigar-wrapper cutter.
Cutting machines, Crank mechanism for. H. P. Kelly. 1,544,289; June 30.
Dehydrator, Electrical. R. E. Land. 1,543,928; June 30.
Dehydrator for petroleum emulsions, Electrical. H. C. Eddy. 1,544,528; June 30.
Detonating mechanism. E. E. Winkley. 1,543,895; June 30.
Dial, Control. J. B. Edwards. Des. 67,687; June 30.
Diamond die. A. Simons. 1,543,685; June 30.
Diaphragm air-friction device. P. A. Wickes. 1,543,885; June 30.
Die: *See*—
Diamond die.
Die straightener. S. M. Udale and W. S. Anderson. 1,544,360; June 30.
Differential mechanism and assembling same. H. W. Alden. 1,544,363; June 30.
Digging machine. S. G. Nordengren. 1,544,337; June 30.
Dipping and drying machine. J. J. Starks. 1,544,496; June 30.
Dirigible devices from a distance, System for the control of. A. D. Trenor. 1,544,049; June 30.
Dirigible, Semiaero. J. C. Smith. 1,544,190; June 30.
Disconnecting switch. L. N. Crichton. 1,543,699; June 30.
Disk rolling, Apparatus for and method of. H. Y. Hildebrand. 1,544,317; June 30.
Display case. C. V. Champion. 1,544,218; June 30.
Display device. F. W. Gibson. 1,544,309; June 30.

Distribution, System of. A. W. Copley and R. D. Evans. 1,543,907; June 30.
Ditch former. W. Johnson. 1,544,402; June 30.
Doily. W. Schmid. Des. 67,721–4; June 30.
Doll, D. Wiener. 1,544,064; June 30.
Doll and silverware holder, Combined. C. D. Munsee. 1,544,267; June 30.
Doorcheck strap. J. R. Gammeter. 1,543,912; June 30.
Door closer, Remote thermally-controlled. W. K. Neary. 1,544,396; June 30.
Door handle. W. P. Collins. Des. 67,683; June 30.
Door lock. C. Hoffman. 1,544,319; June 30.
Door lock with automatic interlocking bolt. C. W. Lamphere. 1,543,929; June 30.
Door-operating mechanism. H. B. Crean. 1,544,376; June 30.
Door, Revolving. H. W. Dyer. 1,543,703; June 30.
Door-securing means. H. O. Racine. 1,544,480; June 30.
Draft controller, Automatic. E. E. Burns. 1,543,963; June 30.
Drawing mechanism. A. C. Butler. 1,543,984; June 30.
Dress attachment. S. J. Dantzic. 1,544,223; June 30.
Dressing table, Infant's. H. L. and M. A. Caldwell. 1,543,985; June 30.
Drier form. A. G. Doyle. 1,543,829; June 30.
Drilling machine. G. H. Gilman. 1,543,765; June 30.
Drive wheel, Resilient. G. H. Garcelon. 1,543,706; June 30.
Drum hoist, Double-. E. B. Lear. 1,543,674–5; June 30.
Drum hoist, Double-. E. B. Lear. 1,543,856; June 30.
Dusting apparatus. L. E. Green. 1,543,915–16; June 30.
Dyestuffs and making same, New. J. Fröhlich. 1,544,441; June 30.
Dyestuffs of the anthraquinone series, Manufacture of vat. A. Léttringhaus and F. Keser. 1,544,095; June 30.
Edge-finishing machine. H. E. Enslin. 1,543,756; June 30.
Egg carrier. W. H. Hall. 1,544,389; June 30.
Egg-grading scale. G. A. Carlstedt. 1,544,432; June 30.
Ejector. E. N. Earhart. 1,543,834; June 30.
Elastic border band and ruffle and producing the same. M. L. Gray. 1,544,312; June 30.
Electric conductors, Connection of. E. Gindre. 1,543,906; June 30.
Electric current-consuming apparatus, Protective device for. O. Dreyer. 1,544,135; June 30.
Electric cutout. J. J. McDonald. 1,544,467; June 30.
Electric fixture. P. W. Sprecher. 1,544,281; June 30.
Electric-fixture switch. D. N. Thompson. 1,543,806; June 30.
Electric furnace, Sectional. W. J. Merten. 1,543,719; June 30.
Electric light, Portable. W. D. Kahn and G. A. Thomson. 1,544,236; June 30.
Electric switch. G. W. Goodridge. 1,544,446; June 30.
Electric switch. A. H. Nero. 1,544,474; June 30.
Electric switch. C. D. Platt. 1,543,952; June 30.
Electric time switch. W. B. Marks. 1,544,332; June 30.
Electrical apparatus, Casing for. D. V. Edwards. 1,544,296; June 30.
Electrical circuits from overheating, Device for protecting. O. Dreyer. 1,544,137; June 30.
Electrical regulation, Method and apparatus for. F. W. Merrill. 1,543,963; June 30.
Electrical system of distribution. W. F. Bosch. 1,543,981; June 30.
Electrodeposition of chromium. C. Hambeechen. 1,544,451; June 30.
Electrodes impermeable to liquids, Rendering porous. E. Oppenheim. 1,544,080; June 30.
Electrodes, Method of and apparatus for forming continuous. A. Helfenstein. 1,544,151; June 30.
Electrolysis of alkali-metal chlorides. C. F. Vaughn and E. B. Gogenheimer. 1,544,078; June 30.
Electrolytic cell. J. Slepian. 1,543,729; June 30.
Electrolytic process. C. J. Tautscher. 1,544,357; June 30.
Elevating and storage apparatus, Material. B. F. Snow. 1,544,280; June 30.
Elevating apparatus, Material-. B. F. Snow. 1,544,278; June 30.
Elevator. C. F. Williams. 1,543,966; June 30.
Elevator-door closer and check. O. P. McGee. 1,543,935; June 30.
Elevator-dump structure. P. E. Morse. 1,544,264; June 30.
Elevator installation, Hydraulic. J. S. Hunter. 1,544,465; June 30.
Embroidery-couching machine. G. C. Roger. 1,544,484; June 30.
Enameled ware, Machine for marking. E. S. Deuk. 1,544,135; June 30.
Engine: *See*—
Gas engine. Logging engine.
Internal-combustion engine. Oil engine.
Internal-combustion multi-stroke engine.
Engine attachment, Combustion-. W. H. Schoonmaker. 1,543,681; June 30.
Engine-hood shutter. G. F. Kalansky. 1,544,328; June 30.
Engines and the like, Detachable crank for automobile. C. W. Rawlings. 1,544,179; June 30.
Engines, Compressed-air starting device for internal-combustion. G. Pielstick. 1,544,177; June 30.
Engines, Controlling means for starters for internal-combustion. W. Metzroth. 1,544,261; June 30.
Engines, Distributor and timer combined for internal-combustion. C. L. Shobe. 1,544,048; June 30.
Engines, Humidifier for internal-combustion. F. L. McNeill. 1,543,781; June 30.
Engines, Mixture control for internal-combustion. G. R. Simon. 1,544,350; June 30.
Envelope-charging device. G. W. Gwinn and W. B. Bronander. 1,543,842; June 30.
Envelope fastener and patch-applying machine. A. Olguy. 1,544,101; June 30.
Envelope-making machines, Endless drying chain for. T. Huso. 1,544,402; June 30.
Excavating machine. E. J. Armstrong. 1,544,054; June 30.
Excavating machine. J. G. Fogarty. 1,543,838; June 30.
Explosive. A. C. Scott. 1,543,798; June 30.
Fabric: *See*—
Cord fabric.
Fabric clamp. E. Myers. 1,544,336; June 30.
Fan. M. Liehter. Des. 67,708; June 30.
Faucet, Measuring. C. and C. Haarberg. 1,544,449; June 30.
Feeder and scale for kickback dumps. J. A. Nolan. 1,544,476; June 30.
Feeding device, Article-. G. W. Gwinn. 1,543,844; June 30.
Fence-post-brace holder. J. Stull. 1,544,283; June 30.
Fence-wire staple. F. S. Garford. 1,543,764; June 30.
Fender. M. K. Gilewics. 1,544,444; June 30.
Fender for a fireplace. H. R. Humphrey. Des. 67,700–2; June 30.
Fiber board of felted interlaced fibers. J. K. Shaw. 1,544,042; June 30.
Film gripper and holder. G. Duclos. 1,544,139; June 30.
Fishhook, Weedless. P. F. Ratcliff. 1,544,034; June 30.
Fishing reel. S. J. Budd and J. C. Ford. 1,544,128; June 30.
Fish lure. H. V. Burt. 1,544,129; June 30.
Flexible coupling. W. H. Phillips and W. G. Hussey. 1,543,720; June 30.
Floor boards, Retainer for. W. S. Walker and H. A. Birdwell. 1,543,810; June 30.
Floor coverings, Binder for. A. E. Van Bibber. 1,544,507; June 30.
Floor-sanding machine. T. G. Holt. 1,544,400; June 30.
Flue stopper and stovepipe support, Combined. J. Walentowic. 1,543,962; June 30.
Fluid-circulating system, Controlling flow of fluid from the high to the low pressure lines of a. E. C. Stewart and C. M. Holley. 1,544,195; June 30.
Fluted spindle. J. T., and J. Brandwood. 1,543,660; June 30.
Flytrap for doors, Portable. H. E. Martin. 1,544,334; June 30.
Flywheel, Flexible. C. T. Hibbard. 1,543,849; June 30.
Football. F. T. and W. E. Roberts. 1,543,724; June 30.
Foot pedals, Attachment for. E. McIntosh. 1,544,256; June 30.
Footprinting or impression device. V. A. Brey. 1,543,747; June 30.
Foot rest and curtain holder, Combined. U. McDonald. 1,544,018; June 30.
Frame: *See*—
Automobile frame. Saw frame.
Friction, Reducing. C. F. Sherwood. 1,544,488; June 30.
Fruits, Preparing. O. J. Steinwand. 1,544,282; June 30.
Fuel in boiler and other furnaces or heating apparatus, Burning of liquid. G. Gidino. 1,543,997; June 30.
Fuel, Treated carbonaceous. G. Ilioff and H. P. Benner. 1,543,833; June 30.
Furnace: *See*—
Brass melting furnace. Heat-treating furnace.
Electric furnace.
Furnace. J. J. English. 1,544,299; June 30.
Furnace arch construction. L. H. Hosbein. 1,544,154; June 30.
Furnace construction. F. J. Zippler. 1,543,979; June 30.
Furnace regulation. G. H. Gibson. 1,544,091; June 30.
Furnaces, Operating electric. W. Dyreson. 1,543,968; June 30.
Fuse. S. Wiley. 1,543,689; June 30.
Game. G. Branning. 1,544,515; June 30.
Game. H. W. May and B. A. Mathewson. 1,544,264; June 30.
Game. C. H. Whitney. 1,544,511; June 30.
Game apparatus. L. C. Geipl. 1,544,508; June 30.
Game apparatus. E. L. Sweet. 1,544,500; June 30.
Game, Cross-word-puzzle. G. D. Doughty. 1,544,494; June 30.
Game of pass. H. H. Kern. 1,544,411; June 30.
Garbage receptacle. C. Lehberger. 1,544,243; June 30.
Gas, Apparatus for cleaning. W. Matheslus. 1,543,941; June 30.
Gas, Cleaning. W. Matheslus. 1,543,942; June 30.
Gas engine. E. P. Starr. 1,543,908; June 30.

Gas generators. W. C. Gilmore. 1,544,445; June 30.
Gas trap. M. J. Trumble. 1,544,286; June 30.
Gases and the like, Storage means for. E. E. Pettipierre. 1,543,679; June 30.
Gasoline reserve fuel. A. A. Kim. 1,544,459; June 30.
Gate: See—
Automobile gate.
Gate. T. O. Thayer. 1,544,540; June 30.
Gauge: See—
Printing gauge. Saw-setting gauge.
Reading gauge.
Gauge-cock weight. G. W. Osborn. 1,544,241; June 30.
Gear, Adjustable timing. W. D. Elkington. 1,543,993; June 30.
Geared drill brace. W. E. Nolan. 1,544,166; June 30.
Generating high-frequency energy, Arrangement for. G. von Arco. 1,544,508; June 30.
Generator: See—
Arc generator. Gas generator.
Generator of electric current. E. Jordan. 1,544,010; June 30.
Glass: See—
Magnifying glass.
Glass batch. O. W. Hilbert. 1,543,770; June 30.
Glass-molding apparatus. C. B. Roe. 1,543,725; June 30.
Golf club. W. N. Beat. 1,543,691; June 30.
Golf club. T. L. Sissenger. 1,544,489; June 30.
Golf-practicing device. D. B. Edmonston. 1,544,380; June 30.
Golf sticks, Handle for. L. K. De Bus. 1,544,220; June 30.
Governor. A. T. Kasley. 1,544,238; June 30.
Grain-harvesting machine, Attachment to the grain-cleaning device of a. A. G. H. and A. C. E. Spoehr. 1,544,494; June 30.
Grate construction. E. B. Smith. 1,543,801; June 30.
Grate, Traveling. H. B. Holt. 1,544,399; June 30.
Grease cup. E. L. Barrett. 1,544,205; June 30.
Grease plug. G. Fraser. 1,544,385; June 30.
Grinding machine. R. A. Cole. 1,544,525; June 30.
Grinding machine. C. E. Van Norman. 1,544,287; June 30.
Guard and muzzle, Insect. J. R. and C. J. Tobin. 1,543,960; June 30.
Guns, Removable liner for. P. Malaval and R. P. E. Paqueller. 1,544,469; June 30.
Hair clippers, Attachment for. G. Poenick. 1,544,105; June 30.
Hair curler. O. W. Brenner. 1,544,428; June 30.
Hair pin. D. E. Jacobs. Des. 67,702–4; June 30.
Hammock. J. M. Banning. 1,543,814; June 30.
Handle assembly. F. M. Edgar. 1,544,229; June 30.
Handle grips, Machine for making. G. W. Benton. 1,543,749; June 30.
Handling apparatus, Material-. B. S. Snow. 1,544,270; June 30.
Harrow. E. Gaddis. 1,544,442; June 30.
Hat carrier. J. and R. Staffa. 1,544,046; June 30.
Headlight, Automobile. G. Pierce. 1,543,951; June 30.
Headlight construction, Dirigible. H. Hegna. 1,544,295; June 30.
Headlight, Dirigible. T. H. Stimson. 1,544,047; June 30.
Headlights, Tiltable support for automobile. A. C. Taylor and F. Pfeifer. 1,543,885; June 30.
Heat-insulating composition. C. S. Teitsworth. 1,544,196; June 30.
Heat-treating furnace. G. M. Little. 1,543,714; June 30.
Heater: See—
Liquid heater. Water heater.
Heater. G. G. Brown. 1,543,748; June 30.
Heater-control system. H. A. Hands. 1,543,710; June 30.
Heating unit, Radiant. J. H. Procter. 1,543,721; June 30.
Heel, Shoe. W. Melville. Des. 67,712; June 30.
Helicopters, Parachute propeller for. R. P. Pescara. 1,544,174; June 30.
High-pressure-steam system. A. M. Nygren. 1,544,338; June 30.
Hinges, Making. J. P. McKinney, jr. 1,544,329; June 30.
Hoist. N. P. Flodin. 1,543,705; June 30.
Hoist. F. M. Slater. 1,543,684; June 30.
Hoist. F. W. Wengraf. 1,543,686; June 30.
Hoist, Double-drum. C. C. Hansen. 1,543,845–6; June 30.
Hook: See—
Trellising hook. Watch hook.
Horseshoe. H. F. Fralick. 1,543,762; June 30.
Horseshoe pad. G. J. Heymoes, jr. Rei6,104; June 30.
House: See—
Amusement house.
Hub odometer. C. H. Veeder. 1,544,079; June 30.
Humidifier, Preheating. J. H. Staley. 1,543,733; June 30.
Humidifiers, Automatic control for. F. F. Bahnson. 1,544,418; June 30.
Hydrocarbons, Blending light. H. Cooney. 1,543,750; June 30.
Hygrometric indicator, recorder, and regulator. E. W. Comfort. 1,544,516; June 30.
Ice-cream-filling machine. G. P. Barclay. 1,544,122; June 30.
Ice-scoring machine. C. R. Miller. 1,543,864; June 30.
Illuminated instrument. C. E. Adams and F. J. Metzger. 1,543,978; June 30.
Impulse-generating device. G. P. Atwood. 1,543,813; June 30.
Incinerator. E. Keser, jr. 1,544,323; June 30.
Incubator. W. C. Morse. 1,544,026; June 30.
Inductometer. J. G. Ferguson. 1,543,994; June 30.
Insect trap and bait bucket, Combination. S. H. Williams and C. O. Neely. 1,543,968; June 30.
Insulator. F. A. Marsh. 1,544,164; June 30.
Insulating composition, Heat-. L. Caldwell. 1,544,215; June 30.
Insulating composition, product, and making the same, Semirefractory heat-. H. T. Coes. 1,544,433; June 30.
Insulators, Connecting. M. F. H. Gouverneur. 1,544,148; June 30.
Insulators, Manufacture of. J. T. Littleton, jr., and G. S. Fulcher. 1,543,779; June 30.
Interlocking automatic lock. C. W. Lanphere. 1,543,930; June 30.
Internal-combustion engine. F. Midler. 1,543,717; June 30.
Internal-combustion multistroke engine. C. Reinche. 1,544,432; June 30.
Iron. N. B. Thomas and O. N. Smith. 1,544,502; June 30.
Jack: See—
Lifting jack. Punch holder jack.
Keys and the like, Case for. W. R. Burton. 1,543,749; June 30.
Keys, Manufacturing machine. S. C. Merrick. 1,544,021; June 30.
Kiln and operating same, Continuous. C. Dressler. 1,543,830; June 30.
Kiln, Rotary. C. J. Tomlinson. 1,544,504; June 30.
Knife blades, etc., Making. T. C. Sheehan. 1,543,880; June 30.
Knife, Excelsior. H. A. Habighorst. 1,543,919; June 30.
Knife, Hunting. J. E. Drew. Des. 67,685; June 30.
Knitted fabric, Device for transferring. L. M. D. Williams. 1,544,085; June 30.
Labeling device. F. P. Bicknell. 1,543,901; June 30.
Lace fastener, Shoe-. J. de Barros. 1,544,225; June 30.
Lace-tipping machine. C. A. Matson. 1,544,165; June 30.
Ladder shoe. C. S. Rivits. 1,543,723; June 30.
Lamp and lantern. G. F. Zaun. 1,544,119; June 30.
Lamp, Signal. P. P. Basterreix. 1,544,420; June 30.
Lamp socket, Plural. A. L. Buechman. 1,544,371; June 30.
Lamp standard, Street-. C. Hansen. Des. 67,697; June 30.
Lamp, Vehicle. E. W. Driemeyer. Des. 67,686; June 30.
Lapping and grinding machine. H. E. Barnes. 1,543,974; June 30.
Laundry and garment press. E. H. Rebelman. 1,544,589; June 30.
Lens, Objective. C. F. Jenkins. 1,544,155; June 30.
Letter-feed-controlled rebound lock. F. P. Goria. 1,544,147; June 30.
Lettuce, Heading. B. Kellermann. 1,544,322; June 30.
Level and straight edge, Extensible. F. Holmgren. 1,544,153; June 30.
Lid check, Gravity pneumatic. E. V. Wyatt. 1,544,117; June 30.
Lifting jack. E. W. Holmes. 1,544,006; June 30.
Light: See—
Auto light. Electric light.
Lingerie clasp. M. D. Fellows. 1,544,308; June 30.
Liquid heater, Electric. J. D. Dykmans. 1,544,294; June 30.
Liquid-raising system. H. J. C. Wells. 1,544,082; June 30.
Liquids, Apparatus for purifying. G. Epprecht. 1,544,383; June 30.
Liquids, Method of and apparatus for purifying. M. D. Avery. 1,544,062; June 30.
Lithium salts, Recovering pure. E. Weidmann. 1,544,114; June 30.
Lock: See—
Combination lock. Nut lock.
Crib corner lock. Permutation lock.
Door lock.
Interlocking automatic lock.
Lock. M. Bahun. 1,544,419; June 30.
Lock. P. Ebbesen. 1,543,755; June 30.
Locomotive jack and driver lift, Combination. J. S. Townsend. 1,543,807; June 30.
Locomotive stoker. C. H. Jeffers. 1,544,407; June 30.
Logging engine. P. A. Wicker. 1,543,889; June 30.
Loom shuttle. H. A. Davis. 1,544,527; June 30.
Looms, Feeler mechanism for. G. H. Willard. 1,544,523; June 30.
Luggage carrier. W. H. Jay. 1,543,855; June 30.
Magnetic recorder. F. L. Dyer. 1,544,379; June 30.
Magnifying glass. H. T. Prange. 1,543,870; June 30.
Mail box, Folding. A. W. Olson. 1,543,949; June 30.
Matrix roll and making same. E. E. Winkley. 1,544,050; June 30.
Mattress frames, Corner fastening for. F. G. Gale. 1,543,839; June 30.
Measuring device. O. Eppenstein. 1,544,090; June 30.
Measuring system. B. H. Smith. 1,543,780; June 30.
Metal, Appliance for the continuous transfer of molten. F. B. McKune. 1,544,166; June 30.

Metal manufacture, Expanded. H. M. Naegle and A. J. Townsend. 1,544,028; June 30.
Metal manufacture, Expanded. H. M. Naegle and A. J. Townsend. 1,544,269; June 30.
Metal-pickling process. J. B. Tytus. 1,544,506; June 30.
Metal sheets after pickling, Apparatus for handling. L. C. Steele. 1,543,788; June 30.
Metal wheel, Cast. G. L. Lavery. 1,544,242; June 30.
Metal wheels, Manufacture of. M. Ibach. 1,543,774; June 30.
Metals from waste products, Recuperation of. H. P. Soulie-Cottineau. 1,544,493; June 30.
Mine. C. N. Hickman. 1,543,920; June 30.
Mining machine. M. P. Holmes. 1,544,066–8; June 30.
Mining machine. M. P. Holmes. 1,544,070–1; June 30.
Mining machine. M. P. Holmes. 1,544,072; June 30.
Mining machine. M. P. Holmes. 1,544,074–5; June 30.
Mining machine. M. P. Holmes. 1,544,396; June 30.
Mining machine. F. T. Lobbey. 1,544,069; June 30.
Mining machine. E. C. Osgood. 1,544,073; June 30.
Mining machine. E. C. Treese. 1,544,076–7; June 30.
Minnow trap, Sectional folding. J. M. Brantigam. 1,544,218; June 30.
Mirror or similar article. P. J. Callowhill. Des. 67,682; June 30.
Mold: See—
Pipe mold. Steam jacketed mold.
Molding apparatus. D. J. Campbell. 1,544,216; June 30.
Molding device. A. C. Sloan. 1,543,955; June 30.
Motometers, Ornament for. J. I. Kelley. 1,544,160; June 30.
Motor: See—
Combustion motor. Wave motor.
Current-induction motor.
Motor vehicles, Axle drive equipment for. R. E. Fielder. 1,544,439; June 30.
Motors, Fuel device for. H. G. Weymouth. 1,543,966; June 30.
Motors, Oil pan for internal-combustion. A. Smith. 1,544,189; June 30.
Movable publicity, Apparatus for. H. F. E. S. Dusserre. 1,544,485; June 30.
Movement and engine, Mechanical. J. C. Williams. 1,543,891; June 30.
Multicircuit systems, Method and arrangement for determining crosstalk in. F. Breisig. 1,544,127; June 30.
Music in synchronism with moving pictures, Reproduction of. C. R. Blum. 1,544,427; June 30.
Music, Indicator for the reproduction of. C. R. Blum. 1,544,426; June 30.
Musical notes, Electrical means for producing. L. de Forest. 1,543,990; June 30.
Mussle. J. B. Miner. 1,543,784; June 30.
Negative-resistance device. A. W. Hull. 1,544,321; June 30.
Neutable container. W. M. Shewry. 1,543,800; June 30.
Nozzle and brush adjusting device. T. O. Adams. 1,543,972; June 30.
Nozzle, Liquid-dispensing. J. G. Doty. 1,543,827; June 30.
Nut cracker. J. Sciortino. 1,543,737; June 30.
Nut lock. H. Cook. 1,544,132; June 30.
Nut lock. C. Driscoll. 1,544,378; June 30.
Oil burner. A. C. Bennett. 1,544,206; June 30.
Oil burner, Crude-. F. W. Scheifele. 1,543,796; June 30.
Oil engine. O. A. Banner. 1,544,524; June 30.
Oilcloth or similar article. S. J. Siegel. Des. 67,725; June 30.
Oils, Apparatus for treating hydrocarbon. C. P. Dubbs. 1,543,881; June 30.
Oils, Treating hydrocarbon. C. P. Dubbs. 1,543,882; June 30.
Ore jig. E. M. Daugherty. 1,543,687; June 30.
Ores, Apparatus for electrodeposition of precious. W. R. Dodge. 1,544,227; June 30.
Ores, Reducing. A. Stansfield. 1,544,111; June 30.
Ores, Treating. J. T. Terry. 1,544,197; June 30.
Oscillations, System for producing. W. C. White. 1,544,202; June 30.
Oven. H. M. Blebel. 1,543,692; June 30.
Ovens, Thermostatic regulator for. H. A. Barschow. 1,543,744; June 30.
Packaging-machine article feed. M. Klein. 1,544,093; June 30.
Packing, Metallic. J. N. Walton. 1,543,963; June 30.
Pad: See—
Horseshoe pad.
Paddle wheels, Blade construction for. J. A. David. 1,544,134; June 30.
Paper, Wrapper for wax sheets of. W. H. Mashmore. 1,543,865; June 30.
Partition, Toilet. A. S. Hughes. 1,544,607; June 30.
Paste tube and closure therefor, Collapsible. J. I. Hill. 1,544,005; June 30.
Pen nib, more particularly for fountain pens, Drawing-. T. Kovacs. 1,544,161; June 30.
Periscope, Underwater. W. F. Yancey. 1,544,118; June 30.
Permutation lock. P. L. Berry. 1,544,424; June 30.
Picture-exhibiting apparatus. A. D. Antotus, M. H. Richardson, and A. E. Gobert. 1,544,364; June 30.
Picture-projector apparatus, Motion-. E. K. Willard. 1,543,892; June 30.
Pie tins, Utensil for handling. W. H. Hobbs. 1,544,221; June 30.
Pipe: See—
Casting pipe.
Pipe, Apparatus for molding. D. B. Dimick. 1,544,056; June 30.
Pipe coupling. A. Henderson. 1,544,004; June 30.
Pipe mold. D. B. Dimick. 1,544,055; June 30.
Piston. E. H. Smith. 1,544,491; June 30.
Piston ring. E. H. Reiter. 1,544,180; June 30.
Pitching court. O. E. Hergen. 1,543,767; June 30.
Plaster. H. D. Baylor. 1,544,421; June 30.
Plate or analogous article. H. E. Nock. Des. 67,717; June 30.
Plate or similar article of manufacture. H. Henech. Des. 67,698; June 30.
Plating device. J. J. Mueller, jr. 1,544,027; June 30.
Plow, Ditching. W. F. Wilson. 1,543,894; June 30.
Plowpoint. J. J. Jensen. 1,544,408; June 30.
Plows, Wing-sweep attachment for. M. T. Skinner. 1,543,882; June 30.
Plug connector or similar article. B. P. McKinley. Des. 67,711; June 30.
Pneumatic pressure device. J. H. Baker. 1,543,897; June 30.
Polish for automobiles and the like. G. W. Darlaton. 1,544,224; June 30.
Polishing machine. W. Schnell. 1,544,185; June 30.
Poster bills, Affixing. W. H. Freeman and E. J. Lee. 1,544,518; June 30.
Potato diggers, Frame attachment for. L. R. Lee. 1,544,541; June 30.
Power-applying mechanism. N. H. Knowlton. 1,543,774; June 30.
Power shovel. S. T. Hoar. 1,543,771; June 30.
Power-supply units, Clutch mechanism for motor-driven. H. Dalton. 1,544,377; June 30.
Power transmission for veneer lathes. L. C. Merritt. 1,543,678; June 30.
Power-transmitting device. H. W. Hunt. 1,544,455; June 30.
Press: See—
Arbor press.
Presser-foot attachment. F. S. Jones. 1,544,410; June 30.
Pressing device, Garment. A. E. Snow. 1,544,493; June 30.
Pressure-feed system. H. J. Grigoleit. 1,543,841; June 30.
Pressure-regulating device. L. C. Bayles. 1,543,817; June 30.
Pressure variations, Translating. P. Thomas. 1,543,786; June 30.
Primer. E. T. Franzen. 1,544,306; June 30.
Printing gauge. G. de Pamphilis. 1,543,991; June 30.
Projectile and controlling the flight thereof. A. E. Henderson. 1,544,003; June 30.
Propeller, Adjustable and reversible. S. Heath. Rei6,103; June 30.
Propellers, Mold for. D. A. Dickey. 1,543,701; June 30.
Pulley handler and rope catcher. O. G. Baumgartener. 1,544,124; June 30.
Pulleys, Puller for fan-drive. M. J. Johnson and A. C. Schinnes. 1,544,235; June 30.
Pulling-over machine. J. Gouldbourn and W. T. Mipott. 1,543,766; June 30.
Pulling-over machine. A. E. Stone. 1,543,904; June 30.
Pulp or paper, Manufacturing. L. M. Booth. 1,543,685; June 30.
Pump. H. M. Green. 1,544,230; June 30.
Pump and gauge, Combined testing. L. Deck. 1,543,989; June 30.
Pump, Deep-well. C. P. Eisenhauer. 1,544,142; June 30.
Pump for service stations, Measuring. A. Snowden. 1,544,198; June 30.
Pump, Pneumatic. H. S. Rogers. 1,544,347; June 30.
Pumping apparatus, Fluid-pressure. L. C. Bayles and E. T. Abrams. 1,543,815; June 30.
Pumps, Sanitary coupling device for. J. S. Hinton. 1,543,758; June 30.
Punch-holder jack. E. A. Baumbach. 1,543,661; June 30.
Punch-press unloader. H. Buscher. 1,543,823; June 30.
Push-rod-adjusting tool. E. P. Putrow. 1,544,520; June 30.
Puzzle. A. Bolts. 1,543,698; June 30.
Quarts working. M. R. Berry. 1,544,298; June 30.
Rabbit hutch. J. K. Dolan. 1,543,826; June 30.
Radiant energy, Transmitting intelligence by. F. K. Vreeland. 1,544,081; June 30.
Radiator attachment. R. S. Jurgens. 1,543,925; June 30.
Radiator cap. G. K. McCord and H. H. Schwartz. 1,544,017; June 30.
Radiator caps, Lock for. K. E. and I. H. Stant. 1,543,802; June 30.
Radiators, Controlling device for. W. Shurtleff. 1,543,881; June 30.
Radio apparatus, Bearing for rotors of. E. Beard. 1,543,902; June 30.
Radio compass, Tridimensional. C. C. Culver. 1,544,133; June 30.

Radio interference on wire lines, Apparatus for neutralising. E. N. Hunter. 1,543,772; June 30.
Radio interference on wire lines, Apparatus for neutralising. L. M. Ilgenfritz. 1,543,775; June 30.
Radio loud speaker. L. Romanelli. Des. 67,720; June 30.
Radio receiving device. C. F. Jenkins. 1,544,157; June 30.
Radio sets, Switching device for. J. Sedlak. 1,544,486; June 30.
Radio transmission recording system. K. Rottgardt. 1,543,726; June 30.
Radium therapeutic device. E. D. Leman. 1,543,859; June 30.
Rail coach. G. G. Bell. 1,544,125; June 30.
Railway brakes, Adjusting means for. C. O. Anderson. 1,544,053; June 30.
Railway-car window. T. Elliott. 1,543,835; June 30.
Railway tramway and similar trains, Speed-controlling device for. E. Rodolausse. 1,544,483; June 30.
Rats, mice, or other rodents, Devices for killing. B. E. Fischer. 1,543,761; June 30.
Razor construction. F. O. Conill. 1,544,374; June 30.
Razor, Safety. E. Q. Sullivan. 1,544,112; June 30.
Reading gauge, Continuous. H. M. Rockwell. 1,543,795; June 30.
Reagent. G. J. Van Zoeren and E. J. De Pree. 1,543,961; June 30.
Receiver. G. G. Cromartie and E. W. Nielsen. 1,543,907; June 30.
Receptacle closure. S. Babitzky. 1,543,742; June 30.
Reel: *See*—
Fishing reel.
Reels, Motor for gathering. E. Ashworth. 1,543,690; June 30.
Refrigerator. W. L. Hummel. 1,544,403; June 30.
Refrigerator-lining construction. H. J. Gwyer. 1,544,388; June 30.
Register: *See*—
Telephone register.
Regulator system. F. Conrad. 1,543,696; June 30.
Relishing machine. O. G. Edmond. 1,543,757; June 30.
Resilient support. E. M. Hewlett and W. W. Willard. 1,543,769; June 30.
Resilient wheel. J. H. Schulz. 1,543,728; June 30.
Ribbon. F. W. Fell. Des. 67,690–2; June 30.
Rim, Demountable. E. E. Sawtelle. 1,543,878; June 30.
Rim, Expansible. W. H. Cook. 1,544,375; June 30.
Ring: *See*—
Piston ring.
Rings, Making finger. E. C. Blaicher. 1,544,367; June 30.
Road-repairing apparatus. S. H. Fetter. 1,544,438; June 30.
Roadways, Making. S. E. Finley. 1,544,440; June 30.
Rock drills, Automatic air-feed regulator for. F. M. Slater. 1,543,883; June 30.
Rock drills, Water-tube back-head connection for. W. Prellwitz. 1,543,871; June 30.
Rod: *See*—
Welding rod.
Roofing. D. Finley. 1,544,144; June 30.
Roofing clip. V. J. Harward and W. P. Budd. 1,544,391–2; June 30.
Roller skates, Truck-socket plate for. G. J. Ertl. 1,543,910; June 30.
Rolling-pin. W. Strasburger and J. Hermann, jr. Des. 67,727; June 30.
Rope drum, Self-tightening. W. C. Starr. 1,544,497; June 30.
Rope guide. L. E. Jefferson. 1,544,008; June 30.
Rope-untwisting machinery. P. B. Jagger and T. C. Harding. 1,543,924; June 30.
Rubber and products derived therefrom, Making chlorinated. C. Ellis. 1,544,530; June 30.
Rubber and similar materials, Vulcanising. A. R. Kemp. 1,543,926; June 30.
Rubber articles and apparatus therefor, Curing molded. H. R. Minor. 1,544,023; June 30.
Rubber, Chlorinating. C. Ellis and N. Boehmer. 1,544,531; June 30.
Rubber doll. A. J. Eldon. Des. 67,688; June 30.
Rubber, Making chlorinated. C. Ellis. 1,545,529; June 30.
Rubber, Making chlorinated. C. Ellis. 1,545,532; June 30.
Rubber, Marking. F. Midgley. 1,544,262; June 30.
Rubber, Method of and apparatus for vulcanising. R. R. Williams. 1,543,890; June 30.
Rubber product and making same, Chlorinated. C. Ellis and N. Boehmer. 1,544,534–5; June 30.
Rubber, Treating. C. Ellis. 1,544,533; June 30.
Safe-door attachment. W. E. Murray. 1,544,268; June 30.
Salts in water in boilers, Method of and apparatus for limiting concentration of. F. Sargent and D. S. Jacobus. 1,543,727; June 30.
Sand-blast equipment. C. W. McKinley and E. E. Hoffman. 1,544,519; June 30.
Sand-finish float. F. C. Brennan. 1,544,368; June 30.
Sand-molding apparatus. S. F. King. 1,544,063; June 30.
Sanitary cover. J. Kim. 1,544,450; June 30.
Sanitary napkins, Automatic cutter for cutting a tubular gauze covering for. C. G. Guignard. 1,543,917; June 30.
Sash mounting. A. C. Soule. 1,543,956; June 30.
Sash stop. E. A. Malm. 1,544,470; June 30.
Saw clamp. B. T. Robison. 1,544,183; June 30.
Saw frame, Hack-. C. Sprague. 1,544,495; June 30.
Saw, Scroll. J. Blank. 1,544,425; June 30.
Saw-setting gauge, Adjustable. L. Wiger. 1,543,667; June 30.
Saw table. L. J. Walstad. 1,544,200; June 30.
Scale, Weighing. H. O. Hem. 1,543,768; June 30.
Scale, Weighing. W. E. Sawyer. 1,544,273; June 30.
Scales, Beam box for. M. S. Reynolds. 1,544,346; June 30.
Screen: *See*—
Window screen.
Seal-cooling mechanism, Wax-. G. W. Gwinn. 1,543,843; June 30.
Sealing, stamping, and recording machine, Package. W. B. Bronander. 1,543,822; June 30.
Seat: *See*—
Vehicle-cross-spring seat.
Searchlight, Portable electric. R. L. Smith. 1,544,191; June 30.
Semaphore, Traffic. F. W. Griswold. Des. 67,696; June 30.
Separator: *See*—
Centrifugal separator. Cream separator.
Sewage, Treating. A. Maclachlan. 1,543,939; June 30.
Sewing machines, Feeding mechanism for. J. R. Moffatt. 1,543,945–6; June 30.
Shade-roller-supporting means, Window-. T. P. Hurd. 1,544,406; June 30.
Sheave or pulley. C. H. Sears. 1,544,275; June 30.
Sheet-metal-piling, Rolled. J. Lindenlauf. 1,543,676; June 30.
Sheets, tallies, cards, or the like, Sorting and classifying of flat. A. Perkins. 1,544,172; June 30.
Shell. T. R. Walker. 1,543,809; June 30.
Shingling bracket. J. V. Countryman. 1,544,221; June 30.
Shock absorber. A. F. Black. 1,543,978–9; June 30.
Shock absorber for vehicles. H. C. A. Potes. 1,544,082; June 30.
Shoe-shaping apparatus. A. F. Pym. 1,543,792; June 30.
Shoe tree and drier, Combined. A. G. Doyle. 1,543,828; June 30.
Shoulder strap. A. Fridolph. 1,544,356; June 30.
Shovel: *See*—
Power shovel.
Shovels, Dipper-tooth point for excavating. O. Crosby. 1,544,222; June 30.
Shuttle. J. C. Shambow. 1,544,276; June 30.
Shuttle-feeler thread parter and clamp. H. A. Davis. 1,544,526; June 30.
Sidewalk edger. J. Tolbert. 1,544,359; June 30.
Sign. J. L. Dawes. Des. 67,684; June 30.
Sign flasher, Thermostat. C. G. Dominic. 1,543,753; June 30.
Signal: *See*—
Traffic signal. Vehicle signal.
Vehicle-direction signal.
Signaling device. H. R. Maddox and F. I. S. Hull. 1,544,020; June 30.
Signaling system. J. C. Field. 1,543,886; June 30.
Sink drainer. M. B. Brown. 1,544,430; June 30.
Skate, Roller. R. Winslow. 1,544,116; June 30.
Slate for electrical purposes, Testing. W. R. Notvest. 1,543,866; June 30.
Slipper. W. M. Rodger. Des. 67,719; June 30.
Snow pusher. C. E. Burke. 1,544,370; June 30.
Soaps and detergents, Making. R. M. Pettit. 1,544,103–4; June 30.
Socket. W. S. Rawson. 1,544,414; June 30.
Sod, Device for trimming. W. L. Franks. 1,543,996; June 30.
Soda fountains, Draft arm for. H. J. McCue. 1,543,715–16; June 30.
Sound-recording and sound-reproducing apparatus, Horn and amplifier for. G. Lakhovsky. 1,544,460; June 30.
Sound records, Reproducer for. H. L. Page. 1,543,867; June 30.
Spear, Combined casing and tool. M. W. Jones and B. H. Brush. 1,544,009; June 30.
Speeds, Device for the continuous and progressive control of a series of. P. E. M. Donon. 1,543,754; June 30.
Spindle: *See*—
Fluted spindle. Textile spindle.
Spinning and twisting machine. J. C. Potter. 1,544,033; June 30.
Spinning machine. W. Shaw, sr. 1,544,487; June 30.
Sponge cup or receptacle. H. L. McGinty. Des. 67,710; June 30.
Spool. E. Robinson. 1,543,794; June 30.
Spool, Storage. H. A. Foothorap. 1,544,145; June 30.
Spoon. W. G. Momberger. Des. 67,714; June 30.
Sprayer. D. B. Smith. 1,544,490; June 30.
Spraying machine. G. C. Vowell. 1,544,509; June 30.
Spring. F. Karr. 1,544,237; June 30.
Spring-band clasp. C. Fischer. 1,543,837; June 30.
Spring-seat support. J. Liebl. 1,544,348; June 30.
Spring shackle and shock absorber, Combined. B. G. Baits. 1,543,669; June 30.
Spring terminal clip. A. P. Fahnestock. 1,544,301; June 30.

Stamping machine, Box-. J. Brown. 1,544,429; June 30.
Steam jacketed mold. F. H. Grove. 1,544,002; June 30.
Steering wheel. M. H. Medford. 1,543,783; June 30.
Sterilising hermetically-sealed packages. J. A. Penn. 1,544,304; June 30.
Stokers, Tuyère structure for single-retort. R. L. Beers. 1,544,207; June 30.
Stone, Building. A. Kremp. 1,544,413; June 30.
Stop mechanism. H. W. Morris. 1,544,025; June 30.
Stove. C. H. Hoffstetter. 1,544,397; June 30.
Stove, Cooking. J. E. Chambers. 1,543,694; June 30.
Stove, Cooper. E. J. Lamy. 1,544,015; June 30.
Stove heater element, Electric. R. H. MacInnes. 1,543,938; June 30.
Strainer and pipe coupling, Combined. C. W. Wyman. 1,544,086; June 30.
Strap: *See*—
Doorcheck strap. Shoulder strap.
Sulphur and latex, Use of colloidal. C. C. Loomis and H. E. Stump. 1,543,932; June 30.
Surfacing or edging articles, Methods and means for. F. S. Whitten. 1,544,083; June 30.
Swage. J. H. Ware. 1,544,510; June 30.
Switch: *See*—
Coordinate switch. Electric switch.
Disconnecting switch. Electric time switch.
Electric-fixture switch. Telephone switch.
Switch and fuse box, Safety. C. L. Eldlitz. 1,544,089; June 30.
Switch-housing structure. W. M. Scott. 1,544,106; June 30.
Switch mechanism. A. J. Hall and P. L. Mardis. 1,543,709; June 30.
Switching device. E. B. Craft. 1,543,824; June 30.
Switching device. H. F. Dobbin. 1,543,825; June 30.
Switching system. R. S. Wilbur and E. D. Johnson. 1,543,688; June 30.
Switches, Control system for electric. O. E. Stewart. 1,544,536; June 30.
Swivel caster and bracket. E. Schultz. 1,544,349; June 30.
Table: *See*—
Dressing table. Saw table.
Table-top structure. A. Wagner. 1,544,289; June 30.
Tackling dummy. W. T. Stall. 1,544,110; June 30.
Tag, Identification. A. W. Holmes. Des. 67,699; June 30.
Talking-machine cabinet. E. T. Kieffer and W. B. Stevenson. Des. 67,707; June 30.
Talking-machine-record disks, Cabinet for. R. C. Underwood. 1,543,738; June 30.
Talking machines and the like, Electrostatic reproducer for. W. Groenebaum. 1,544,001; June 30.
Tank: *See*—
Gasoline reserve tank.
Tank thief. H. C. Beard. 1,544,206; June 30.
Tanks containing inflammable liquids, Safety device for. H. L. Moeller and W. J. Willenborg. 1,544,024; June 30.
Trap: *See*—
Animal trap. Minnow trap.
Tappet, Rotary. M. M. Wilcox. 1,544,362; June 30.
Targets, Support for single-front. H. Hoisington and F. Hargens. 1,543,711; June 30.
Telegraphic receiving apparatus for producing punched tape. F. G. Creed. 1,543,906; June 30.
Telephone-exchange system. L. H. Johnson. 1,543,854; June 30.
Telephone-exchange system. L. Polinkowsky. 1,543,889; June 30.
Telephone-exchange system. S. B. Williams and E. S. Gibson. 1,543,967; June 30.
Telephone-exchange system, Automatic. J. L. McQuarrie. 1,543,937; June 30.
Telegraph-exchange system, Printing. R. D. Parker and G. S. Vernam. 1,543,789; June 30.
Telephone-exchange systems, Testing device for. E. R. Landius. 1,543,933; June 30.
Telephone exchanges, Alarm system for automatic. R. D. Conway. 1,543,665; June 30.
Telephone headsets, Electrical connection for. F. Dietrich. 1,544,136; June 30.
Telephone receiver. J. B. Gumaer. 1,544,313; June 30.
Telephone register. D. S. Ellis. 1,544,437; June 30.
Telephone switch. H. W. Goff. 1,543,914; June 30.
Telephone switch, Automatic. H. F. Dobbin. 1,543,666; June 30.
Telephone switch, Automatic. O. F. Forsberg. 1,543,667; June 30.
Telephone switch, Automatic. C. L. Goodrum and O. F. Forsberg. 1,543,669; June 30.
Telephone switches, Testing system for automatic. A. S. Bertels. 1,543,900; June 30.
Telephone system. E. E. Hinrichsen. 1,543,671; June 30.
Telephone system. H. S. Turner. 1,543,886; June 30.
Telephone system. S. B. Williams. 1,543,893; June 30.
Telephone system, Automatic. C. J. Erickson. 1,544,300; June 30.
Telephone system, Semiautomatic. R. L. Stokely. 1,543,685; June 30.
Telephone transmitter, amplifier, and repeater. H. H. C. Dunwoody. 1,543,902; June 30.
Telephony through power lines, Arrangement for eliminating noises in high-frequency. H. Gewecke. 1,543,668; June 30.
Temperatures, Device for and system of regulating. H. W. McQuaid and A. G. Ripberger. 1,544,259; June 30.
Tension device. A. C. Hough. 1,544,320; June 30.
Textile spindle. F. E. Mueller and G. E. Bott. 1,544,268; June 30.
Theater stage. M. Hasait. 1,544,150; June 30.
Theatrical illusion. H. R. Law. 1,543,931; June 30.
Thermostatic coil. L. A. M. Phelan. 1,544,342; June 30.
Timber, Treatment of. J. W. Kitchin and V. Lefebure. 1,544,013; June 30.
Tin from ores thereof, Production of. E. B. Thornhill. 1,544,198; June 30.
Tire beads, Apparatus for forming. R. Haseltine. 1,544,316; June 30.
Tire-building apparatus. G. Wise. 1,543,606; June 30.
Tire carrier. L. P. Sébille. 1,543,682; June 30.
Tire carrier, F. L. Turmaire. 1,543,808; June 30.
Tire-fabric-stripping machine. E. E. Mitchell. 1,543,944; June 30.
Tire for mine-locomotive wheels. J. N. Abbott. 1,543,871; June 30.
Tire-mold-handling device. J. Kearns and W. Y. Duncan, jr. 1,544,011; June 30.
Tire tool. W. M. McEwen. 1,543,862; June 30.
Tire tread. J. Thompson. Des. 67,725; June 30.
Tire, Tread for a vehicle. R. H. Waters. Des. 67,729; June 30.
Tire treads, Manufacture of. G. F. Fisher. 1,544,305; June 30.
Tire treads, Method and apparatus for making. H. I. Morris. 1,544,065; June 30.
Toaster, Automatic electric. F. Thornton, jr. 1,543,737; June 30.
Tobacco leaves and for flattening the ribs of the same, Continuous machine for the ironing of. E. Belot. 1,543,976; June 30.
Tool, Combination. G. W. Miller. 1,544,471; June 30.
Tool for installing handhole closures in boilers. W. Richardson and J. S. Foland. 1,544,181; June 30.
Tool for removing bushings. H. J. Leslie. 1,544,240; June 30.
Tool, Hand. W. A. Bernard. 1,543,899; June 30.
Toothbrush attachment. W. L. Hummel. 1,544,404; June 30.
Towel-bar post. J. H. Balmer. Des. 67,681; June 30.
Toy. J. O. Parker. 1,543,788; June 30.
Toy balloon. J. W. Shira. 1,543,934; June 30.
Toy device. M. Weiss. 1,544,512; June 30.
Tramc signal. C. Lawyer. 1,544,462; June 30.
Tramc signal. G. C. Waterhouse. 1,544,200; June 30.
Train stop, Automatic. J. H. Wright and B. H. Grove. 1,544,514; June 30.
Transmission apparatus. M. T. Voigt. 1,544,080; June 30.
Transmission gearing. W. C. Pitter. 1,543,791; June 30.
Trash-dumping weeder. P. F. Barton. 1,544,128; June 30.
Tree-felling apparatus. M. G. Hubbard. 1,544,002; June 30.
Trellising hook. E. Steiner. 1,543,957; June 30.
Trench-filling machines, Pulley structure for. W. G. and O. R. Humphreys. 1,543,922; June 30.
Trolley conductor and suspension means therefor. P. G. Swars. 1,543,734; June 30.
Trolley wheel, Ball bearing. W. Jetter and W. S. Lemmon. 1,543,712; June 30.
Truck. W. H. Lovell and M. W. Brown. 1,544,465; June 30.
Truck, Hand. C. Spaeth. 1,544,356; June 30.
Truck, House-moving. S. P. Griffin. 1,544,443; June 30.
Truck, Motor-wrecking. J. J. Palotee. 1,544,477; June 30.
Trucks and wagons, Dumping body for. L. P. Wood. 1,544,537; June 30.
Trucks, Automatic couples for industrial. W. H. Sommer. 1,544,355; June 30.
Trunk, Wardrobe. G. H. Wheary. Des. 67,730–1; June 30.
Trunks, Reenforcing element for. N. Goldsmith. 1,543,999; June 30.
Tube: *See*—
Collapsible tube.
Tube-closing machine, Collapsible. T. L. Harrison. 1,544,315; June 30.
Tubes and other articles, Making nonporous. C. E. Maynard. 1,544,255; June 30.
Tumbling and sand-blast-cleaning machine. J. P. Wild. 1,544,513; June 30.
Turbine-blade lashing. F. Hodgkinson. 1,544,318; June 30.
Turbine blading. R. Marsland. 1,544,253; June 30.
Turbine blading. B. W. Van Orner. 1,544,288; June 30.
Turbine, Bleeder. H. R. Trotter. 1,544,285; June 30.
Turbines, Draft tube for hydraulic. J. D. Scoville. 1,544,485; June 30.
Type distributing, storing, and setting mechanism. A. D. Saborsky. 1,544,050; June 30.
Type head, Shifting. H. A. Foothorap. 1,544,146; June 30.
Type, Storing mechanism for. A. D. Saborsky. 1,544,689; June 30.

Typewriters, Erasure-receiving attachment for. B. K. McNeal. 1,544,064; June 30.
Typewriting machine. E. E. Barney. 1,544,204; June 30.
Typewriting machine. A. G. F. Kurowski. 1,544,240; June 30.
Typewriting machine. J. A. B. Smith. 1,543,731; June 30.
Typewriting machine. J. A. B. Smith. 1,544,109; June 30.
Una-rail system. F. L. Montgomery. 1,544,263; June 30.
Universal coupling. J. F. Bemies. 1,543,977; June 30.
Unloader, Centrifugal. S. R. Redfield. 1,543,680; June 30.
Upholstery, Detachable. J. Ledwinka. 1,543,858; June 30.
Upholstery, Making spring assemblies for. L. A. Suckoff. 1,544,416; June 30.
Upholstery, Spring assembly for. L. A. Suckoff. 1,544,415; June 30.
Vacuum tube apparatus. S. Ruben. 1,543,872; June 30.
Valve. L. D. Collar. 1,544,219; June 30.
Valve, Automatic expansion. B. C. Stewart and C. M. Holley. 1,544,194; June 30.
Valve connection, Standing. R. W. Gunn and W. A. S. Thompson. 1,543,918; June 30.
Valve control, Multiple. H. Grigoleit. 1,543,840; June 30.
Valve-controlling device, Waste. C. E. Durey. 1,544,088; June 30.
Valve, Flush. V. F. Davis. 1,543,988; June 30.
Valve for liquefied-gas containers. M. Mauran. 1,544,098; June 30.
Valve for rock drills. L. C. Bayles. 1,543,816; June 30.
Valve Tank-car. T. J. Entwisle, J. W. Donnelly, and H. P. O'Mara. 1,544,143; June 30.
Valves, Machine for grinding. G. A. Fullips. 1,544,307; June 30.
Vaporizer, Electric. L. W. Osborne. 1,544,476; June 30.
Vaporizer, Perfume. J. G. Blaschke. 1,544,212; June 30.
Vegetable produce, Apparatus for the dehydration of. C. C. Moore. 1,543,947; June 30.
Vehicle. H. L. and E. C. Litchfield, V. Speer, and C. C. Hermann. 1,544,413; June 30.
Vehicle body. E. H. Belden. 1,543,818; June 30.
Vehicle cross-spring seat, Automobile. A. J. Barron. 1,543,898; June 30.
Vehicle-direction signal. G. O. Fales. 1,543,759; June 30.
Vehicle, Manually-propelled. J. M. Powell and G. Bemies. 1,544,178; June 30.
Vehicle, Motor. E. H. Belden. 1,543,819; June 30.
Vehicle signal, Motor. H. C. Evelyn. 1,543,704; June 30.
Vehicle trailer. B. D. Sutherland and W. E. Samuel. 1,543,958; June 30.
Vehicles, Brake-operating means for. D. R. Capes. 1,543,064; June 30.
Vehicles, Exhaust-gas deflector for power-operated. E. W. Saunders. 1,543,877; June 30.
Vehicles, Expectorating device for. O. A. Poirier. 1,543,868; June 30.
Vehicles, Jacking attachment for motor. J. H. Igo. 1,544,223; June 30.
Ventilator. P. A. Bernhardt. 1,544,209; June 30.
Wall fillings, Showing. J. L. Gillard. 1,543,913; June 30.
Warping. H. D. Colman. 1,544,055; June 30.
Warping machines, Reed-shifting means for. F. W. Maue. 1,543,782; June 30.
Washing and drying apparatus, Centrifugal. G. B. Clinch. 1,543,986; June 30.
Washing machine. F. V. Lantz. 1,544,325; June 30.
Watchcase appendage. H. K. Foster. Des. 67,694-5; June 30.
Watch hook. L. J. Ansben. 1,544,538; June 30.
Water, Apparatus for purifying and conditioning. E. F. Rorke. 1,544,548; June 30.
Water-closets and the like, Rinsing tank for. C. H. Segato. 1,543,799; June 30.
Water column and liquid-level gauge, Combined. O. E. Oleson. 1,544,340; June 30.
Water heater, Electric. F. C. Jento. 1,544,159; June 30.
Water lifter and condenser. H. J. Nelson. 1,544,029; June 30.
Wave motor. C. G. Polleys. 1,544,031; June 30.
Waxing device. J. W. Laux. 1,543,713; June 30.
Wedge. N. L. Malmgren. 1,544,331; June 30.
Weigh-beam-supporting means. W. H. Taylor. 1,543,735; June 30.
Welding rod. F. M. Becket. 1,544,422; June 30.
Welding process. C. B. Waters. 1,544,201; June 30.
Welds and product resulting therefrom, Apparatus for producing high-frequency electric. D. F. Pancoast. 1,544,272; June 30.
Well-casing wrench. A. S. Jones. 1,544,457; June 30.
Well drilling and fishing jar. J. P. Schirnhofer. 1,544,041; June 30.
Wells, Safety slips for holding pipe in. A. J. Carr. 1,543,904; June 30.
Wheel: *See*—
Drive wheel. Steering wheel.
Metal wheel. Trolley wheel.
Resilient wheel.
Wheel. C. C. Mengel. 1,544,260; June 30.
Wheel block, Metal. L. E. Campbell. 1,544,372; June 30.
Wheel structure. B. E. Elnfeldt. 1,544,297; June 30.
Wheels, Manufacture of. E. Ibach. 1,543,773; June 30.
Wind deflector, mirror, and spotlight, Combined. J. C. Lehmann and G. H. Timmerman. 1,544,244; June 30.
Winding machine. J. O. McKean. 1,544,257; June 30.
Windmills, Piston guide for. F. Hemje. 1,544,152; June 30.
Window cooler. W. R. Vowels. 1,543,739; June 30.
Window fitting, Casement. T. M. Fulton. 1,544,337; June 30.
Window screen. E. Nuebling. 1,544,090; June 30.
Windshield protector. A. V. Persson and P. R. MAnsson. 1,544,173; June 30.
Windshields, Antirattling attachment for. S. E. Long. 1,544,464; June 30.
Wire-fastening device. J. L. Sullivan. Re16,103; June 30.
Wire support. H. E. Easterday and W. H. Kennedy. 1,544,486; June 30.
Wire-tying machines, Tension means for. J. S. McChesney. 1,544,096-7; June 30.
Wireless broadcasting of pictures. C. F. Jenkins. 1,544,158; June 30.
Wireless, Loud-speaking device for. R. E. Marbury. 1,543,718; June 30.
Wireless, Transmitting picture by. C. F. Jenkins. 1,544,156; June 30.
Woodworking machine. M. Hutchinson. 1,544,456; June 30.
Workbench. W. A. Adams. 1,544,292; June 30.
Workholder. J. W. Murphy. 1,543,786; June 30.
Work support. W. T. B. Roberts. 1,543,793; June 30.
Wrapping machine. H. C. Bellido. 1,544,126; June 30.
Wrapping machine, Automatic. B. D. Knowles. 1,543,673; June 30.
Wrench: *See*—
Well-casing wrench.
Wrench. P. W. Grady. 1,544,000; June 30.

CLASSIFICATION OF PATENTS

JUNE 30, 1925.

NOTE.—First number—class, second number—subclass, third number—patent number.

1— 41: 1,543,793
2— 30: 1,544,186
42: 1,544,245
44: 1,544,102
131: 1,544,012
215: 1,544,322
249: 1,544,051
3— 19: 1,543,709
209: 1,544,086
266: 1,543,958
5— 112: 1,544,140
118: 1,544,277
1,544,305
122: 1,543,814
132: 1,544,340
1,544,351
225: 1,543,839
256: 1,544,237
352: 1,544,415
353: 1,544,416
6— 4: 1,544,408
7— 1: 1,544,830
8— 18: 1,543,905
10— 31: 1,544,344
12— 4: 1,543,804
9: 1,543,766
51: 1,543,792
15— 18: 1,543,977
1,544,173
170: 1,543,905
266: 1,544,404
16— 39: 1,544,349
66: 1,544,117
82: 1,543,912
18— 1: 1,544,165
2: 1,544,011
4: 1,544,023
10: 1,544,305
34: 1,543,797
38: 1,544,092
42: 1,544,316
53: 1,543,890
1,543,926
1,543,932
1,544,255
59: 1,544,168
61: 1,544,302
19— 116: 1,544,228
130: 1,543,984
20— 1.11: 1,543,730
1.123: 1,544,150
4: 1,543,698
18: 1,543,702
40.8: 1,544,173
42: 1,543,986
52.1: 1,543,835
22— 13: 1,544,088
14: 1,544,056
1,544,060
18: 1,544,063
25: 1,544,063
36: 1,544,216
45: 1,543,955
133: 1,544,056
147: 1,544,106
158: 1,544,360
189: 1,544,061
195: 1,544,060
199: 1,544,059
23— 53: 1,544,250
58: 1,544,118
63: 1,544,114
95: 1,543,994
1,544,326
100: 1,544,378
346: 1,543,979
360: 1,543,981
352: 1,544,388
24— 73: 1,544,308
81: 1,544,016
97: 1,544,087
102: 1,543,785
1,544,131
121: 1,544,226
157: 1,544,326
235: 1,544,238
242: 1,543,702
243: 1,543,904
244: 1,544,336
248: 1,544,330
25— 156: 1,544,422
26— 87: 1,544,466
30: 1,543,782
32: 1,544,055
29— 11: 1,544,329
33: 1,544,063
35: 1,544,325
35.1: 1,544,326
35.2: 1,544,181
1,544,345
148: 1,544,021
189: 1,543,774
160.6: 1,544,307
30— 1: 1,544,105
12: 1,544,113
1,544,374
34: 1,543,909
1,544,327
37: 1,544,326
75: 1,544,471
148: 1,543,795
150: 1,543,813
302: 1,543,927
308: 1,544,153
34— 18: 1,544,015
72: 1,543,726
77: 1,543,770
78.1: 1,544,308
81: 1,543,779
80— 11: 1,544,196
1,544,198
51— 13: 1,544,813
14: 1,544,319
20: 1,544,307
72: 1,544,321
74: 1,544,135
95: 1,544,327
119: 1,543,974
170: 1,544,030
1,544,033
231: 1,544,326
300: 1,544,343
54— 60: 1,543,988
55— 11: 1,544,442
32: 1,544,450
35: 1,544,401
60: 1,544,120
60: 1,543,920
16: 1,544,177
60: 1,543,576
65: 1,544,408
5: 1,544,192
48: 1,544,443
32: 1,543,778
54: 1,543,902
65: 1,544,341
91: 1,543,977
100: 1,543,730
65— 15: 1,543,809
57: 1,544,473
66— 32: 1,544,085
68— 9: 1,544,492
1,544,330
16: 1,544,326
69— 1: 1,543,756
70— 14: 1,543,939
20: 1,544,319
48: 1,543,930
33: 1,544,265
84: 1,544,434
90: 1,544,434
70: 1,544,419
1,544,218
71— 5: 1,543,939
73— 1: 1,543,948
20: 1,544,412
40: 1,544,478
116: R. 16,103
16: 1,544,368
73— 62: 1,544,340
74— 1: 1,544,362
6: 1,543,849
7: 1,544,439
16: 1,544,482
20: 1,544,178
21: 1,544,455
26: 1,543,706
28: 1,543,908
33: 1,543,788
1,544,179
38: 1,544,220
39: 1,543,764
1,544,362
1,544,324
54: 1,545,791
1,545,891
58: 1,545,821
81: 1,544,356
98: 1,544,363
108: 1,544,491
109: 1,544,180
75— 1: 1,543,921
1,544,036
1,544,037
1,544,108
14: 1,544,111
17: 1,544,196
18: 1,544,493
62: 1,544,045
78: 1,544,183
104: 1,543,980
77— 62: 1,544,107
80— 16: 1,543,773
1,544,317
81— 66: 1,544,457
1,544,000
108: 1,543,908
82— 4: 1,544,361
83— 50: 1,544,365
79: 1,543,987
84— 483: 1,544,426
87— 16: 1,544,103
1,544,104
88— 1: 1,544,118
16.2: 1,544,427
16.8: 1,544,155
24: 1,543,982
72: 1,544,493
91: 1,544,364
99: 1,543,970
1,544,000
89— 16: 1,544,469
91— 36: 1,543,713
42: 1,544,496
1,544,120
68: 1,544,184
92— 28: 1,543,993
93— 2: 1,543,943
4: 1,544,126
5: 1,544,171
6: 1,543,942
30: 1,544,101
75: 1,544,402
94— 29: 1,544,440
4: 1,544,426
5: 1,544,288
28: 1,544,211
36: 1,544,501
47: 1,544,094
126: 1,544,488
128: 1,543,982
144.1: 1,544,122
158: 1,543,777
206: 1,543,984
237: 1,543,995
443: 1,544,417
96— 18: 1,544,196
1,544,215
22: 1,544,523
1,544,524
29: 1,544,520
1,544,530
1,544,531
98— 8: 1,543,994
1,544,295
11: 1,543,949
1,544,304
99— 8: 1,544,478
101— 43: 1,544,439
213: 1,544,135
415: 1,543,991
103— 2: 1,543,895
5,544,008
129— 30: 1,544,274
1,544,550
30: 1,544,014
42: 1,543,994
92: 1,544,397
130: 1,543,748
39: 1,543,689
319: 1,543,902
103— 11: 1,544,100
180: 1,543,915
190: 1,544,142
222: 1,543,841
226: 1,544,220
237: 1,544,089
248: 1,543,815
246: 1,544,347
104— 32: 1,543,807
92: 1,544,393
200: 1,544,360
105— 34: 1,544,135
107: 1,544,077
410: 1,544,351
107— 3: 1,543,745
55: 1,544,481
108— 7: 1,544,144
33: 1,544,391
1,544,392
109— 11: 1,544,208
110— 187: 1,544,323
1,543,891
144— 3: 1,544,458
40: 1,544,360
44: 1,544,327
206: 1,543,970
36: 1,544,329
241: 1,543,919
90: 1,544,154
104: 1,543,926
112— 100: 1,544,484
161: 1,544,410
210: 1,543,945
113— 54: 1,544,315
114— 21: 1,544,049
207: 1,544,121
116— 52: 1,543,759
54: 1,544,462
63: 1,544,200
80: 1,544,019
135: 1,544,182
117— 1: 1,543,924
119— 33: 1,544,457
47: 1,544,033
60: 1,544,206
119— 16: 1,543,826
120— 31: 1,544,461
43: 1,544,161
121— 5: 1,543,988
10: 1,543,871
28: 1,543,816
123— 1: 1,543,737
6: 1,543,940
126— 35: 1,543,981
1,543,733
1,543,945
1,544,226
1,544,238
1,544,337
1,544,338
127— 3: 1,544,376
213: 1,544,227
264: 1,544,326
270: 1,544,338
141— 11: 1,544,490
143— 63: 1,544,023
73: 1,544,435
123: 1,544,230
144— 3: 1,543,757
6: 1,543,757
44: 1,544,327
206: 1,543,970
241: 1,543,919
145— 34: 1,544,496
68: 1,544,188
146— 16: 1,543,797
100: 1,544,320
149— 31: 1,543,673
150— 40: 1,543,740
151— 2: 1,544,378
9: 1,544,123
153— 51: 1,543,726
155— 80: 1,544,510
1: 1,544,337
4: 1,544,339
9: 1,543,890
1,543,944
1,543,966
1,544,098
41: 1,544,394
45.9: 1,544,043
49: 1,544,307
156— 58: 1,544,368
67: 1,544,187
130: 1,544,423
180: 1,543,958
183: 1,544,141
186— 15: 1,544,008
34: 1,544,008
358: 1,543,704
365: 1,543,671
177— 7: 1,543,980
320: 1,544,030
1,544,430
340: 1,543,896
178— 2: 1,543,789
7: 1,544,156
1,544,157
1,544,158
92: 1,543,906
179— 2: 1,543,668
1,543,669
6.3: 1,543,955
14: 1,544,427
18: 1,543,954
1,543,959
1,543,960
77: 1,544,208
1,543,957
1,544,027
1,544,029
1,544,030
1,544,031
27: 1,543,746
27.5: 1,543,969
1,543,957
1,543,959
1,543,670

178— 27.5: 1,543,884
1,543,885
1,543,914
62: 1,543,988
78: 1,543,772
1,543,776
86: 1,543,662
1,543,813
100.1: 1,543,887
1,544,091
1,544,379
114: 1,543,907
1,544,136
115: 1,544,313
119: 1,543,718
121: 1,543,736
132: 1,543,902
171: 1,544,321
1,544,391
178: 1,543,930
1,543,933
1,544,137
190— 1: 1,543,977
94: 1,543,919
1,544,541
99: 1,543,920
192— 87: 1,544,460
199— 5.7: 1,544,326
25: 1,544,271
61: 1,544,098
121: 1,543,942
194— 45: 1,544,205
66: 1,544,338
106: 1,544,189
197— 30: 1,544,406
198— 32: 1,544,372
77: 1,543,694
207: 1,544,053
250: 1,543,707
199— 16: 1,543,686
34: 1,544,607
46: 1,544,298
49: 1,544,306
62: 1,544,326
200— 37: 1,543,999
201— 39: 1,543,734
68: 1,543,712
202— 13: 1,544,080
21: 1,544,377
76: 1,544,447
85: 1,543,988
119: 1,544,025
206— 12: 1,543,780
30: 1,543,838
107: 1,543,531
207— 78: 1,544,149
128: 1,543,731
129: 1,544,109
170: 1,544,147
1,544,200
181: 1,544,094
186: 1,544,204
198— 20: 1,543,944
219: 1,543,943
200— 8: 1,543,722
16: 1,544,446
21: 1,544,043
35: 1,544,323
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48: 1,543,699
56: 1,543,836
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64: 1,543,806
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87: 1,543,927
88: 1,544,136
122: 1,543,788
1,544,137
140: 1,544,314
168: 1,544,106
203— 5: 1,544,020
1,544,348
204— 1: 1,544,451
9: 1,544,357
11: 1,543,801
1,544,027
1,544,126
15: 1,544,227
34: 1,543,926
1,544,536
25: 1,544,052
58: 1,544,078
64: 1,543,686
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1,543,905
1,543,908
65: 1,544,151
205— 89: 1,543,683
209— 8: 1,544,046
87: 1,543,805
207— 1: 1,543,883
208— 173: 1,544,116
179: 1,543,910
210— 74: 1,543,988
211— 16: 1,543,788
213— 18: 1,544,202
214— 2: 1,544,475
6: 1,543,752
16: 1,544,280
49: 1,544,264
80: 1,544,477
102: 1,543,838
126: 1,544,278
1,544,279
132: 1,543,771
135: 1,544,084
216— 2: 1,543,832
44: 1,543,991
62: 1,544,515
217— 7: 1,544,388
1,544,500
19: 1,543,887
20.5: 1,544,289
36: 1,543,613
47: 1,543,935
53: 1,544,189
219— 6: 1,544,372
8: 1,544,044
1,544,429
10: 1,544,301
19: 1,543,737
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22: 1,544,806
32: 1,543,709
34: 1,543,731
35: 1,543,698
37: 1,543,883
38: 1,544,294
1,544,476
39: 1,544,159
45: 1,544,213
220— 24: 1,543,802
36: 1,544,263
47: 1,543,782
55: 1,544,024
1,544,098
1,544,206
221— 24: 1,544,345
25: 1,544,803
60: 1,544,096
1,544,282
102: 1,544,196
117: 1,544,449
120: 1,543,915
222— 7: 1,544,884
223— 17: 1,543,829
224— 20: 1,543,682
1,543,855
1,543,903
1,544,018
225— 25: 1,543,710
26: 1,543,715
5: 1,544,008
107: 1,544,122
226— 61: 1,543,728
230— 8: 1,544,462
18: 1,544,499
17: 1,543,908
22: 1,544,311
236— 11: 1,543,740
13: 1,543,894
24: 1,543,680
1,543,817
232— 17: 1,543,959
233— 17: 1,544,269
234— 101: 1,544,331
235— 95: 1,544,079
236— 4: 1,544,628
14: 1,544,310
15: 1,543,744
24.5: 1,544,091
42: 1,543,981
44: 1,544,413
1,544,516
69: 1,544,259
239— 76: 1,543,989
240— 2: 1,543,973
1,544,180
8.5: 1,544,191
1,544,296
28: 1,544,119
61: 1,543,895
1,543,951
93: 1,543,989
1,544,011
1,544,305
75: 1,544,281
241— 12: 1,544,286
242— 18: 1,544,237
46: 1,544,145
91: 1,543,999
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244— 2: 1,544,052
8: 1,544,189
6: 1,544,481
19: 1,544,174
21: 1,544,388
246— 49: 1,544,534
189: 1,544,360
183: 1,544,488
248— 65: 1,544,391
249— 8: 1,543,726
1,544,051
11: 1,544,138
14: 1,544,486
27: 1,543,873
30: 1,544,302
33: 1,544,169
251— 23: 1,544,219
141: 1,544,284
148: 1,544,342
158: 1,543,327
252— 2: 1,544,216
3: 1,543,709
253— 4: 1,544,091
17: 1,544,486
69: 1,544,295
77: 1,544,253
1,544,328
1,544,318
254— 2: 1,544,008
51: 1,544,086
1,544,097
120: 1,543,981
147: 1,544,497
185: 1,543,674
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1,543,686
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1,543,845
1,543,846
1,543,856
187: 1,543,889
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255— 27: 1,544,041
51: 1,543,705
256— 72: 1,544,157
256— 10: 1,543,709
35: 1,544,288
53: 1,543,764
257— 94: 1,543,611
95: 1,543,677
1,544,017
1,544,190
260— 11: 1,543,197
38: 1,543,441
44: 1,544,095
261— 12: 1,543,889
30: 1,543,709
111: 1,543,941
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263— 20: 1,544,088
1,544,027
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1,544,039
1,544,070
1,544,071
1,544,072
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1,544,076
1,544,336
268— 2: 1,543,714
6: 1,543,719
1,543,890
19: 1,543,989
269— 14: 1,544,236
273— 6: 1,544,373
8: 1,543,731
12: 1,544,362
48: 1,543,734
1,544,346
1,544,433
62: 1,543,705
275— 3: 1,544,396
6: 1,544,376
7: 1,543,733
277— 11: 1,543,709
17: 1,543,978
1,543,979
41: 1,543,989
82: 1,543,893
1,544,169
84: 1,543,680
73: 1,543,987
278— 8: 1,543,985
279— 20: 1,543,673
282— 2: 1,544,290
10: 1,543,981
283— 26: 1,544,089
55: 1,544,110
64: 1,543,748
65: 1,543,734
70: 1,543,811
77: 1,543,691
80: 1,544,489
81: 1,544,226
376— 26: 1,544,482
26: 1,543,779
26: 1,544,288
100: 1,543,797
113: 1,544,411
118: 1,543,988
1,544,434
126: 1,544,611
127: 1,544,488
134: 1,544,364
1,544,513
378— 26: 1,544,649
43: 1,544,689
379— 1: 1,543,788
380—66. 12: 1,544,385
26: 1,544,156
26: 1,544,449
102: 1,544,469
151: 1,543,988
381— 37: 1,544,283
382— 1: 1,543,747
385— 174: 1,544,004
387— 26: 1,543,788
388— 1: 1,543,968
390— 1: 1,544,010
26: 1,544,326
392— 200: 1,543,788
213: 1,544,404
206: 1,544,387
230: 1,544,470
232: 1,544,489
250: 1,544,239
393— 41: 1,544,644
58: 1,544,165
1,544,383
85: 1,544,650
385— 18: 1,543,971
396— 1: 1,543,810
26: 1,543,897
1,544,431
27: 1,543,899
33: 1,543,811
75: 1,544,288
120: 1,544,491
397— 12: 1,544,342
398— 16: 1,544,388
399— 46: 1,544,388
97: 1,544,499
401— 17: 1,543,978
31: 1,544,879
36: 1,544,397
46: 1,544,389
1,544,393
402— 37: 1,544,497
404— 26: 1,544,221
405— 217: 1,544,176
236: 1,543,969
241: 1,544,498

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VOL 333 - 335

1925